

Cover Page

Order ID : P4633

Project ID : NJ Air PT

Client : Chemtech Consulting Group

Lab Sample Number

P4633-01

Client Sample Number

E070-1100

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 : _____

Date: 12/3/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



SHIPPING DOCUMENTS



A Waters Company

Invoice #	094106
Customer #	C307001
Date	10/25/2024
Page	1 of 1

Packing Slip

Bill To:

ChemTech Consulting GP
284 Sheffield St
Mountainside, NJ, USA 07092-2319

Accounts Payable

Ship To:

ChemTech Consulting GP
284 Sheffield St
Mountainside, NJ, USA 07092-2319

Sohil Jodhani

Email Address: sohil@chemtech.net

Received by: SJ (908) 728-3152

Order Comments:

10/30/2024
10:00



1698937

Cust Svc Rep		Payment Terms	Shipping Method	Purchase Order #		Order #
		NET 30	FEDEX ECON	240918-01		00180283
QTY	CAT #	Product		Type	Lot #	Study #
1	1000	Volatiles in Gas Cylinder		PT	E070-1100	AE 070
1	HAZ	UN Packaging / Haz Surcharge		MISC	HAZ	

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094106



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

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

CASE NARRATIVE

Chemtech Consulting Group

Project Name: NJ Air PT

Project # N/A

Chemtech Project # P4633

Test Name: VOCMS Group3

A. Number of Samples and Date of Receipt:

1 Air sample was received on 10/30/2024.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: VOCMS Group3. This data package contains results for VOCMS Group3.

C. Analytical Techniques:

The analysis performed on instrument MSVOA_L were done using GC column RTX-1, which is 60 meters, 0.32 mm id, 1.0 um df, Restek Cat. #10157. The Trap was supplied by Entech, glass bead and Tenax , Entech 7100A Preconcentrator. The analysis of VOCMS Group3 was based on method TO-15.

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 {P4911-02DUP} with File ID: VL041706.D met criteria except for m/p-Xylene[200%] due to difference in results of original and DUP.

The Blank Spike for {VL1120ABS01} with File ID: VL041699.D met requirements for all samples except for Naphthalene[131%] is failing high but no positive hit in associate sample therefore no corrective action taken.

The Blank Spike for {VL1121ABS01} with File ID: VL041713.D met requirements for all samples except for 1,1,2,2-Tetrachloroethane[59%], Benzyl Chloride[62%], Ethanol[50%], Naphthalene[133%] and Trichloroethene[143%] , Only dilution samples analyzed under this blank spike and dilution is not required for failing analytes, Therefore no further corrective action was taken.

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

The Initial Calibration met the requirements except for Naphthalene have more than 30% RSD in the Initial Calibration with dated 11/07/2024 with L Instrument but as per method two compounds as allowed to be fail.

The Continuous Calibration File ID VL041697.D met the requirements except for Naphthalene is failing high but no positive hit in associate sample therefore no corrective action taken.

The Continuous Calibration File ID VL041711.D met the requirements except for Dichlorodifluoromethane failing low and Naphthalene failing high, this CCC use for only dilutions samples and dilution is not required for failing analytes, Therefore no further corrective action was taken.

The Tuning criteria met requirements.

Samples E070-1100, E070-1100DL were diluted due to high concentrations.

E. Additional Comments:

The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.

The not QT review data is reported in the Miscellaneous.

The Manual Integrations are performed for the followings:

Manual Integration Report			
Sequence	vl110724	Instrument	MSVOA_I

VSTDICCC010	VL041674.D	Chlorobenzene-d5	MMDadoda	11/9/2024 3:47:24 AM	SAM	11/9/2024 10:41:41 AM	Peak Integrated by Software incorrectly
VSTDICCC010	VL041674.D	Ethanol	MMDadoda	11/9/2024 3:47:24 AM	SAM	11/9/2024 10:41:41 AM	Peak Integrated by Software incorrectly
VSTDICCC010	VL041674.D	Hexachloro-1,3-Butadiene	MMDadoda	11/9/2024 3:47:24 AM	SAM	11/9/2024 10:41:41 AM	Peak Integrated by Software incorrectly
VSTDICCC010	VL041674.D	m/p-Xylene	MMDadoda	11/9/2024 3:47:24 AM	SAM	11/9/2024 10:41:41 AM	Peak Integrated by Software incorrectly
VSTDICCC002	VL041675.D	1,1,2-Trichloroethane	MMDadoda	11/9/2024 3:47:25 AM	SAM	11/9/2024 10:41:47 AM	Peak Integrated by Software incorrectly

VSTDICC002	VL041675.D	1,4-Dioxane	MMDadoda	11/9/2024 3:47:25 AM	SAM	11/9/2024 10:41:47 AM	Peak Integrated by Software incorrectly
VSTDICC002	VL041675.D	Benzyl Chloride	MMDadoda	11/9/2024 3:47:25 AM	SAM	11/9/2024 10:41:47 AM	Peak Integrated by Software incorrectly
VSTDICC002	VL041675.D	Ethanol	MMDadoda	11/9/2024 3:47:25 AM	SAM	11/9/2024 10:41:47 AM	Peak Integrated by Software incorrectly
VSTDICC002	VL041675.D	m/p-Xylene	MMDadoda	11/9/2024 3:47:25 AM	SAM	11/9/2024 10:41:47 AM	Peak Integrated by Software incorrectly
VSTDICC002	VL041675.D	Tetrachloroethene	MMDadoda	11/9/2024 3:47:25 AM	SAM	11/9/2024 10:41:47 AM	Peak Integrated by Software incorrectly
VSTDICC001	VL041676.D	1,2,4- Trichlorobenzene	MMDadoda	11/9/2024 3:47:27 AM	SAM	11/9/2024 10:42:37 AM	Peak Integrated by Software incorrectly
VSTDICC001	VL041676.D	1,3-Butadiene	MMDadoda	11/9/2024 3:47:27 AM	SAM	11/9/2024 10:42:37 AM	Peak Integrated by Software incorrectly
VSTDICC001	VL041676.D	1,4-Dioxane	MMDadoda	11/9/2024 3:47:27 AM	SAM	11/9/2024 10:42:37 AM	Peak Integrated by Software incorrectly
VSTDICC001	VL041676.D	Benzyl Chloride	MMDadoda	11/9/2024 3:47:27 AM	SAM	11/9/2024 10:42:37 AM	Peak Integrated by Software incorrectly
VSTDICC001	VL041676.D	Bromoform	MMDadoda	11/9/2024 3:47:27 AM	SAM	11/9/2024 10:42:37 AM	Peak Integrated by Software incorrectly
VSTDICC001	VL041676.D	Hexachloro-1,3- Butadiene	MMDadoda	11/9/2024 3:47:27 AM	SAM	11/9/2024 10:42:37 AM	Peak Integrated by Software incorrectly
VSTDICC001	VL041676.D	m/p-Xylene	MMDadoda	11/9/2024 3:47:27 AM	SAM	11/9/2024 10:42:37 AM	Peak Integrated by Software incorrectly
VSTDICC001	VL041676.D	Naphthalene	MMDadoda	11/9/2024 3:47:27 AM	SAM	11/9/2024 10:42:37 AM	Peak Integrated by Software incorrectly
VSTDICC001	VL041676.D	Naphthalene,2- methyl-	MMDadoda	11/9/2024 3:47:27	SAM	11/9/2024 10:42:37	Peak Integrated

				AM		AM	by Software incorrectly
VSTDICC001	VL041676.D	t-1,3-Dichloropropene	MMDadoda	11/9/2024 3:47:27 AM	SAM	11/9/2024 10:42:37 AM	Peak Integrated by Software incorrectly
VSTDICC001	VL041676.D	trans-1,2-Dichloroethene	MMDadoda	11/9/2024 3:47:27 AM	SAM	11/9/2024 10:42:37 AM	Peak Integrated by Software incorrectly
VSTDICC001	VL041676.D	Vinyl Acetate	MMDadoda	11/9/2024 3:47:27 AM	SAM	11/9/2024 10:42:37 AM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL041677.D	1,1,2-Trichloroethane	MMDadoda	11/9/2024 3:47:30 AM	SAM	11/9/2024 10:42:45 AM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL041677.D	Naphthalene,2-methyl-	MMDadoda	11/9/2024 3:47:30 AM	SAM	11/9/2024 10:42:45 AM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL041677.D	Styrene	MMDadoda	11/9/2024 3:47:30 AM	SAM	11/9/2024 10:42:45 AM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL041677.D	t-1,3-Dichloropropene	MMDadoda	11/9/2024 3:47:30 AM	SAM	11/9/2024 10:42:45 AM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL041677.D	Tetrachloroethene	MMDadoda	11/9/2024 3:47:30 AM	SAM	11/9/2024 10:42:45 AM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL041677.D	Tetrahydrofuran	MMDadoda	11/9/2024 3:47:30 AM	SAM	11/9/2024 10:42:45 AM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL041677.D	Vinyl Acetate	MMDadoda	11/9/2024 3:47:30 AM	SAM	11/9/2024 10:42:45 AM	Peak Integrated by Software incorrectly
VSTDICC0.1	VL041678.D	1,1,1-Trichloroethane	MMDadoda	11/9/2024 3:47:32 AM	SAM	11/9/2024 10:41:22 AM	Peak Integrated by Software incorrectly
VSTDICC0.1	VL041678.D	1,1,2,2-Tetrachloroethane	MMDadoda	11/9/2024 3:47:32 AM	SAM	11/9/2024 10:41:22 AM	Peak Integrated by Software incorrectly
VSTDICC0.1	VL041678.D	1,2-Dibromoethane	MMDadoda	11/9/2024 3:47:32 AM	SAM	11/9/2024 10:41:22 AM	Peak Integrated by Software incorrectly

VSTDICC0.1	VL041678.D	Carbon Tetrachloride	MMDadoda	11/9/2024 3:47:32 AM	SAM	11/9/2024 10:41:22 AM	Peak Integrated by Software incorrectly
VSTDICC0.1	VL041678.D	Naphthalene	MMDadoda	11/9/2024 3:47:32 AM	SAM	11/9/2024 10:41:22 AM	Peak Integrated by Software incorrectly
VSTDICC0.1	VL041678.D	Tetrachloroethene	MMDadoda	11/9/2024 3:47:32 AM	SAM	11/9/2024 10:41:22 AM	Peak Integrated by Software incorrectly
VSTDICC0.1	VL041678.D	Trichloroethene	MMDadoda	11/9/2024 3:47:32 AM	SAM	11/9/2024 10:41:22 AM	Peak Integrated by Software incorrectly
VSTDICC0.03	VL041679.D	1,1,1-Trichloroethane	MMDadoda	11/9/2024 3:47:49 AM	SAM	11/9/2024 10:42:51 AM	Peak Integrated by Software incorrectly
VSTDICC0.03	VL041679.D	1,1,2,2-Tetrachloroethane	MMDadoda	11/9/2024 3:47:49 AM	SAM	11/9/2024 10:42:51 AM	Peak Integrated by Software incorrectly
VSTDICC0.03	VL041679.D	Carbon Tetrachloride	MMDadoda	11/9/2024 3:47:49 AM	SAM	11/9/2024 10:42:51 AM	Peak Integrated by Software incorrectly
VSTDICC0.03	VL041679.D	Tetrachloroethene	MMDadoda	11/9/2024 3:47:49 AM	SAM	11/9/2024 10:42:51 AM	Peak Integrated by Software incorrectly
VSTDICC0.03	VL041679.D	Trichloroethene	MMDadoda	11/9/2024 3:47:49 AM	SAM	11/9/2024 10:42:51 AM	Peak Integrated by Software incorrectly
VSTDICC0.03	VL041679.D	Vinyl Chloride	MMDadoda	11/9/2024 3:47:49 AM	SAM	11/9/2024 10:42:51 AM	Peak Integrated by Software incorrectly
VSTDICC015	VL041680.D	Ethanol	MMDadoda	11/9/2024 3:47:51 AM	SAM	11/9/2024 10:42:57 AM	Peak Integrated by Software incorrectly
VSTDICC015	VL041680.D	m/p-Xylene	MMDadoda	11/9/2024 3:47:51 AM	SAM	11/9/2024 10:42:57 AM	Peak Integrated by Software incorrectly
VSTDICC015	VL041680.D	Naphthalene, 2-methyl-	MMDadoda	11/9/2024 3:47:51 AM	SAM	11/9/2024 10:42:57 AM	Peak Integrated by Software incorrectly
VSTDICV010	VL041681.D	Chlorobenzene-d5	MMDadoda	11/9/2024 3:47:53	SAM	11/9/2024 10:43:26	Peak Integrated

				AM		AM	by Software incorrectly
VSTDICV010	VL041681.D	Ethanol	MMDadoda	11/9/2024 3:47:53 AM	SAM	11/9/2024 10:43:26 AM	Peak Integrated by Software incorrectly
VSTDICV010	VL041681.D	m/p-Xylene	MMDadoda	11/9/2024 3:47:53 AM	SAM	11/9/2024 10:43:26 AM	Peak Integrated by Software incorrectly

Sequence	VL112024	Instrument	MSVOA_I

VSTDCCC010	VL041697.D	Chlorobenzene-d5	SAM	11/21/2024 3:24:19 PM	MMDadoda	11/21/2024 3:23:37 PM	Peak Integrated by Software incorrectly
VSTDCCC010	VL041697.D	Ethanol	SAM	11/21/2024 3:24:19 PM	MMDadoda	11/21/2024 3:23:37 PM	Peak Integrated by Software incorrectly
VSTDCCC010	VL041697.D	m/p-Xylene	SAM	11/21/2024 3:24:19 PM	MMDadoda	11/21/2024 3:23:37 PM	Peak Integrated by Software incorrectly
VL1120ABS01	VL041699.D	Benzyl Chloride	SAM	11/21/2024 3:24:19 PM	MMDadoda	11/21/2024 3:23:38 PM	Peak Integrated by Software incorrectly
VL1120ABS01	VL041699.D	Chlorobenzene-d5	SAM	11/21/2024 3:24:19 PM	MMDadoda	11/21/2024 3:23:38 PM	Peak Integrated by Software incorrectly
VL1120ABS01	VL041699.D	Ethanol	SAM	11/21/2024 3:24:19 PM	MMDadoda	11/21/2024 3:23:38 PM	Peak Integrated by Software incorrectly
VL1120ABS01	VL041699.D	m/p-Xylene	SAM	11/21/2024 3:24:19 PM	MMDadoda	11/21/2024 3:23:38 PM	Peak Integrated by Software incorrectly

Sequence	VL112124	Instrument	MSVOA_I

VSTDCCC010	VL041711.D	Chlorobenzene-d5	SAM	11/22/2024 8:05:03 AM	MMDadoda	11/22/2024 3:32:18 PM	Peak Integrated by Software incorrectly

VSTDCCC010	VL041711.D	Ethanol	SAM	11/22/2024 8:05:03 AM	MMDadoda	11/22/2024 3:32:18 PM	Peak Integrated by Software incorrectly
VSTDCCC010	VL041711.D	Hexachloro-1,3-Butadiene	SAM	11/22/2024 8:05:03 AM	MMDadoda	11/22/2024 3:32:18 PM	Peak Integrated by Software incorrectly
VSTDCCC010	VL041711.D	m/p-Xylene	SAM	11/22/2024 8:05:03 AM	MMDadoda	11/22/2024 3:32:18 PM	Peak Integrated by Software incorrectly
VL1121ABS01	VL041713.D	1,2,4-Trichlorobenzene	SAM	11/22/2024 8:05:07 AM	MMDadoda	11/22/2024 3:32:23 PM	Peak Integrated by Software incorrectly
VL1121ABS01	VL041713.D	Chlorobenzene-d5	SAM	11/22/2024 8:05:07 AM	MMDadoda	11/22/2024 3:32:23 PM	Peak Integrated by Software incorrectly
VL1121ABS01	VL041713.D	Ethanol	SAM	11/22/2024 8:05:07 AM	MMDadoda	11/22/2024 3:32:23 PM	Peak Integrated by Software incorrectly
VL1121ABS01	VL041713.D	m/p-Xylene	SAM	11/22/2024 8:05:07 AM	MMDadoda	11/22/2024 3:32:23 PM	Peak Integrated by Software incorrectly
P4633-01DL	VL041714.D	Chloroethane	SAM	12/2/2024 9:05:45 AM	MMDadoda	12/3/2024 1:50:11 AM	Peak Integrated by Software incorrectly
P4633-01DL2	VL041715.D	1,1-Dichloroethene	SAM	12/2/2024 9:05:52 AM	MMDadoda	12/3/2024 1:50:13 AM	Peak Integrated by Software incorrectly
P4633-01DL2	VL041715.D	1,2,4-Trichlorobenzene	SAM	12/2/2024 9:05:52 AM	MMDadoda	12/3/2024 1:50:13 AM	Peak Integrated by Software incorrectly
P4633-01DL2	VL041715.D	Chloroethane	SAM	12/2/2024 9:05:52 AM	MMDadoda	12/3/2024 1:50:13 AM	Peak Integrated by Software incorrectly



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

F. Manual Integration Comments:

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

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

Signature_____

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: P4633

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:	P4633	OrderDate:	10/30/2024 11:21:00 AM
Client:	Chemtech Consulting Group	Project:	NJ Air PT
Contact:	QA Officer	Location:	VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4633-01	E070-1100	Air			10/25/24			10/30/24
			VOCMS Group3	TO-15			11/20/24	
P4633-01DL	E070-1100DL	Air			10/25/24			10/30/24
			VOCMS Group3	TO-15			11/21/24	
P4633-01DL	E070-1100DL2	Air			10/25/24			10/30/24
2			VOCMS Group3	TO-15			11/21/24	

Hit Summary Sheet SW-846

SDG No.: P4633

Client: Chemtech Consulting Group

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	E070-1100							
P4633-01	E070-1100	Air	Chloroethane	152	E	0.45	1.32	ug/m3
P4633-01	E070-1100	Air	Heptane	108	E	0.45	2.05	ug/m3
P4633-01	E070-1100	Air	1,1-Dichloroethene	88.8	E	0.56	1.98	ug/m3
P4633-01	E070-1100	Air	Carbon Tetrachloride	184	E	0.060	0.19	ug/m3
P4633-01	E070-1100	Air	Bromodichloromethane	141	E	0.54	3.35	ug/m3
P4633-01	E070-1100	Air	Toluene	168	E	0.41	1.88	ug/m3
P4633-01	E070-1100	Air	Total Xylenes	367	E	1.43	6.52	ug/m3
P4633-01	E070-1100	Air	m/p-Xylene	199	E	0.91	4.34	ug/m3
P4633-01	E070-1100	Air	o-Xylene	167	E	0.52	2.17	ug/m3
P4633-01	E070-1100	Air	1,2-Dichlorobenzene	201	E	0.48	3.01	ug/m3
P4633-01	E070-1100	Air	1,2,4-Trichlorobenzene	204	E	0.67	3.71	ug/m3
			Total Voc :	1980				
			Total Concentration:	1980				
Client ID:	E070-1100DL							
P4633-01DL	E070-1100DL	Air	Chloroethane	136	ED	0.90	2.64	ug/m3
P4633-01DL	E070-1100DL	Air	Heptane	99.2	D	0.90	4.10	ug/m3
P4633-01DL	E070-1100DL	Air	1,1-Dichloroethene	78.1	D	1.11	3.96	ug/m3
P4633-01DL	E070-1100DL	Air	Carbon Tetrachloride	170	D	0.13	0.38	ug/m3
P4633-01DL	E070-1100DL	Air	Bromodichloromethane	124	D	1.00	6.70	ug/m3
P4633-01DL	E070-1100DL	Air	Toluene	161	ED	0.83	3.77	ug/m3
P4633-01DL	E070-1100DL	Air	Total Xylenes	347	D	2.87	13.0	ug/m3
P4633-01DL	E070-1100DL	Air	m/p-Xylene	193	D	1.82	8.69	ug/m3
P4633-01DL	E070-1100DL	Air	o-Xylene	155	ED	1.04	4.34	ug/m3
P4633-01DL	E070-1100DL	Air	1,2-Dichlorobenzene	179	D	0.90	6.01	ug/m3
P4633-01DL	E070-1100DL	Air	1,2,4-Trichlorobenzene	174	D	1.26	7.42	ug/m3
			Total Voc :	1820				
			Total Concentration:	1820				
Client ID:	E070-1100DL2							
P4633-01DL2	E070-1100DL2	Air	Chloroethane	130	D	1.79	5.28	ug/m3
P4633-01DL2	E070-1100DL2	Air	Heptane	91.0	D	1.80	8.20	ug/m3
P4633-01DL2	E070-1100DL2	Air	1,1-Dichloroethene	75.3	D	2.22	7.93	ug/m3
P4633-01DL2	E070-1100DL2	Air	Carbon Tetrachloride	167	D	0.25	0.75	ug/m3
P4633-01DL2	E070-1100DL2	Air	Bromodichloromethane	116	D	2.08	13.4	ug/m3
P4633-01DL2	E070-1100DL2	Air	Toluene	155	D	1.66	7.54	ug/m3
P4633-01DL2	E070-1100DL2	Air	Total Xylenes	339	D	5.73	26.1	ug/m3
P4633-01DL2	E070-1100DL2	Air	m/p-Xylene	189	D	3.65	17.4	ug/m3

Hit Summary Sheet
SW-846

SDG No.: P4633

Client: Chemtech Consulting Group

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4633-01DL2	E070-1100DL2	Air	o-Xylene	150	D	2.08	8.69	ug/m3
P4633-01DL2	E070-1100DL2	Air	1,2-Dichlorobenzene	162	D	1.80	12.0	ug/m3
P4633-01DL2	E070-1100DL2	Air	1,2,4-Trichlorobenzene	137	D	2.52	14.8	ug/m3
Total Voc :				1710				
Total Concentration:				1710				

Project : NJ Air PT

Sampling Date : 10/25/24

Field Id Number : E070-1100

Analysis Date : 11/20/24

Laboratory Id Number : P4633-01

Target Analyts : Air Results

Chemical	Cas Number	Molecular Weight	Insert Results in PPBV	Qualifier	Generate Results in ug/m3	QAS Decision	Foot Notes
Chlorodifluoromethane	75-45-6	86.47	0.09	U	0.32		
Dichlorodifluoromethane	75-71-8	120.9	0.21	U	1.04		
Ethanol	64-17-5	46.07	0.32	U	0.6		
Chloromethane	74-87-3	50.49	0.1	U	0.21		
Vinyl Chloride	75-01-4	62.5	0.01	U	0.03		
Ethyl Acetate	141-78-6	97	0.08	U	0.32		
Bromomethane	74-83-9	94.94	0.14	U	0.54		
Chloroethane	75-00-3	64.52	57.6	E	152		
Tetrahydrofuran	109-99-9	72.11	0.13	U	0.38		
Trichlorofluoromethane	75-69-4	137.4	0.16	U	0.9		
Dichlorotetrafluoroethane	76-14-2	170.9	0.09	U	0.63		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.16	U	1.23		
Bromoethene	593-60-2	106.9	0.12	U	0.52		
Propene	115-07-1	42	0.15	U	0.26		
tert-Butyl alcohol	75-65-0	74.12	0.19	U	0.58		
Heptane	142-82-5	100.2	26.4	E	108		
Isopropyl Alcohol	67-63-0	60.1	0.07	U	0.17		
1,1-Dichloroethene	75-35-4	96.94	22.4	E	88.8		
Acetone	67-64-1	58.08	0.24	U	0.57		
Carbon Disulfide	75-15-0	76.14	0.16	U	0.5		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.12	U	0.43		
Methylene Chloride	75-09-2	84.94	0.19	U	0.66		
trans-1,2-Dichloroethene	156-60-5	96.94	0.19	U	0.75		
Vinyl Acetate	108-05-4	88	0.16	U	0.58		
1,1-Dichloroethane	75-34-3	98.96	0.13	U	0.53		
Cyclohexane	110-82-7	84.16	0.22	U	0.76		
2-Butanone	78-93-3	72.11	0.12	U	0.35		
Carbon Tetrachloride	56-23-5	153.8	29.2	E	183		
cis-1,2-Dichloroethene	156-59-2	96.94	0.09	U	0.36		
Chloroform	67-66-3	119.4	0.08	U	0.39		
1,1,1-Trichloroethane	71-55-6	133.4	0.01	U	0.05		
2,2,4-Trimethylpentane	540-84-1	114.2	0.1	U	0.47		
Benzene	71-43-2	78.11	0.09	U	0.29		
1,2-Dichloroethane	107-06-2	98.96	0.09	U	0.36		
Trichloroethene	79-01-6	131.4	0.02	U	0.11		

Project : NJ Air PT

Sampling Date : 10/25/24

Field Id Number : E070-1100

Analysis Date : 11/20/24

Laboratory Id Number : P4633-01

Target Analyts : Air Results

1,2-Dichloropropane	78-87-5	113	0.11	U	0.51		
Bromodichloromethane	75-27-4	163.8	21	E	140		
4-Methyl-2-Pentanone	108-10-1	100.2	0.09	U	0.37		
Toluene	108-88-3	92.14	44.6	E	168		
t-1,3-Dichloropropene	10061-02-6	111	0.06	U	0.27		
cis-1,3-Dichloropropene	10061-01-5	111	0.06	U	0.27		
1,1,2-Trichloroethane	79-00-5	133.4	0.07	U	0.38		
2-Hexanone	591-78-6	100	0.08	U	0.33		
Dibromochloromethane	124-48-1	208.3	0.07	U	0.6		
1,2-Dibromoethane	106-93-4	187.9	0.07	U	0.54		
Tetrachloroethene	127-18-4	165.8	0.02	U	0.14		
Chlorobenzene	108-90-7	112.6	0.08	U	0.37		
Ethyl Benzene	100-41-4	106.2	0.12	U	0.52		
m/p-Xylene	179601-23-1	106.2	45.9	E	199		
Total Xylenes	1330-20-7	106.2	84.4	E	366		
o-Xylene	95-47-6	106.2	38.5	E	167		
Styrene	100-42-5	104.1	0.11	U	0.47		
Bromoform	75-25-2	252.8	0.06	U	0.62		
Isopropylbenzene	98-82-8	120.19	0.09	U	0.44		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.01	U	0.07		
2-Chlorotoluene	95-49-8	126.6	0.11	U	0.57		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.11	U	0.54		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.08	U	0.39		
1,3-Dichlorobenzene	541-73-1	147	0.08	U	0.48		
1,4-Dichlorobenzene	106-46-7	147	0.05	U	0.3		
1,2-Dichlorobenzene	95-50-1	147	33.5	E	201		
1,2,4-Trichlorobenzene	120-82-1	181.5	27.5	E	204		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.09	U	0.96		
Naphthalene	91-20-3	128.17	0.08	U	0.42		
1,3-Butadiene	106-99-0	54.09	0.13	U	0.29		
4-Ethyltoluene	622-96-8	120.2	0.12	U	0.59		
Hexane	110-54-3	86.17	0.11	U	0.39		
Allyl Chloride	107-05-1	76.53	0.15	U	0.47		
Benzyl Chloride	100-44-7	126.59	0.18	U	0.93		
1,4-Dioxane	123-91-1	88.12	0.21	U	0.76		
Methyl Methacrylate	80-62-6	100.117	0.09	U	0.37		

Project : NJ Air PT

Sampling Date : 10/25/24

Field Id Number : E070-1100DL

Analysis Date : 11/21/24

Laboratory Id Number : P4633-01DL

Target Analyts : Air Results

Chemical	Cas Number	Molecular Weight	Insert Results in PPBV	Qualifier	Generate Results in ug/m3	QAS Decision	Foot Notes
Chlorodifluoromethane	75-45-6	86.47	0.18	UD	0.64		
Dichlorodifluoromethane	75-71-8	120.9	0.42	UD	2.08		
Ethanol	64-17-5	46.07	0.64	UD	1.21		
Chloromethane	74-87-3	50.49	0.2	UD	0.41		
Vinyl Chloride	75-01-4	62.5	0.03	UD	0.08		
Ethyl Acetate	141-78-6	97	0.16	UD	0.63		
Bromomethane	74-83-9	94.94	0.28	UD	1.09		
Chloroethane	75-00-3	64.52	51.6	ED	136		
Tetrahydrofuran	109-99-9	72.11	0.26	UD	0.77		
Trichlorofluoromethane	75-69-4	137.4	0.32	UD	1.8		
Dichlorotetrafluoroethane	76-14-2	170.9	0.18	UD	1.26		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.32	UD	2.45		
Bromoethene	593-60-2	106.9	0.24	UD	1.05		
Propene	115-07-1	42	0.3	UD	0.52		
tert-Butyl alcohol	75-65-0	74.12	0.38	UD	1.15		
Heptane	142-82-5	100.2	24.2	D	99.2		
Isopropyl Alcohol	67-63-0	60.1	0.14	UD	0.34		
1,1-Dichloroethene	75-35-4	96.94	19.7	D	78.1		
Acetone	67-64-1	58.08	0.48	UD	1.14		
Carbon Disulfide	75-15-0	76.14	0.32	UD	1		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.24	UD	0.87		
Methylene Chloride	75-09-2	84.94	0.38	UD	1.32		
trans-1,2-Dichloroethene	156-60-5	96.94	0.38	UD	1.51		
Vinyl Acetate	108-05-4	88	0.32	UD	1.15		
1,1-Dichloroethane	75-34-3	98.96	0.26	UD	1.05		
Cyclohexane	110-82-7	84.16	0.44	UD	1.51		
2-Butanone	78-93-3	72.11	0.24	UD	0.71		
Carbon Tetrachloride	56-23-5	153.8	27.1	D	170		
cis-1,2-Dichloroethene	156-59-2	96.94	0.18	UD	0.71		
Chloroform	67-66-3	119.4	0.17	UD	0.83		
1,1,1-Trichloroethane	71-55-6	133.4	0.02	UD	0.11		
2,2,4-Trimethylpentane	540-84-1	114.2	0.2	UD	0.93		
Benzene	71-43-2	78.11	0.17	UD	0.54		
1,2-Dichloroethane	107-06-2	98.96	0.18	UD	0.73		
Trichloroethene	79-01-6	131.4	0.03	UD	0.16		

Project : NJ Air PT

Sampling Date : 10/25/24

Field Id Number : E070-1100DL

Analysis Date : 11/21/24

Laboratory Id Number : P4633-01DL

Target Analyts : Air Results

1,2-Dichloropropane	78-87-5	113	0.22	UD	1.02		
Bromodichloromethane	75-27-4	163.8	18.5	D	123		
4-Methyl-2-Pentanone	108-10-1	100.2	0.19	UD	0.78		
Toluene	108-88-3	92.14	42.6	ED	160		
t-1,3-Dichloropropene	10061-02-6	111	0.12	UD	0.54		
cis-1,3-Dichloropropene	10061-01-5	111	0.13	UD	0.59		
1,1,2-Trichloroethane	79-00-5	133.4	0.14	UD	0.76		
2-Hexanone	591-78-6	100	0.16	UD	0.65		
Dibromochloromethane	124-48-1	208.3	0.13	UD	1.11		
1,2-Dibromoethane	106-93-4	187.9	0.14	UD	1.08		
Tetrachloroethene	127-18-4	165.8	0.03	UD	0.2		
Chlorobenzene	108-90-7	112.6	0.15	UD	0.69		
Ethyl Benzene	100-41-4	106.2	0.24	UD	1.04		
m/p-Xylene	179601-23-1	106.2	44.4	D	192		
Total Xylenes	1330-20-7	106.2	80	D	347		
o-Xylene	95-47-6	106.2	35.6	ED	154		
Styrene	100-42-5	104.1	0.22	UD	0.94		
Bromoform	75-25-2	252.8	0.11	UD	1.14		
Isopropylbenzene	98-82-8	120.19	0.17	UD	0.84		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.02	UD	0.14		
2-Chlorotoluene	95-49-8	126.6	0.22	UD	1.14		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.22	UD	1.08		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.16	UD	0.79		
1,3-Dichlorobenzene	541-73-1	147	0.16	UD	0.96		
1,4-Dichlorobenzene	106-46-7	147	0.11	UD	0.66		
1,2-Dichlorobenzene	95-50-1	147	29.8	D	179		
1,2,4-Trichlorobenzene	120-82-1	181.5	23.4	D	173		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.17	UD	1.81		
Naphthalene	91-20-3	128.17	0.15	UD	0.79		
1,3-Butadiene	106-99-0	54.09	0.26	UD	0.58		
4-Ethyltoluene	622-96-8	120.2	0.24	UD	1.18		
Hexane	110-54-3	86.17	0.22	UD	0.78		
Allyl Chloride	107-05-1	76.53	0.3	UD	0.94		
Benzyl Chloride	100-44-7	126.59	0.36	UD	1.86		
1,4-Dioxane	123-91-1	88.12	0.42	UD	1.51		
Methyl Methacrylate	80-62-6	100.117	0.17	UD	0.7		

Project : NJ Air PT

Sampling Date : 10/25/24

Field Id Number : E070-1100DL2

Analysis Date : 11/21/24

Laboratory Id Number : P4633-01DL2

Target Analyts : Air Results

Chemical	Cas Number	Molecular Weight	Insert Results in PPBV	Qualifier	Generate Results in ug/m3	QAS Decision	Foot Notes
Chlorodifluoromethane	75-45-6	86.47	0.35	UD	1.24		
Dichlorodifluoromethane	75-71-8	120.9	0.84	UD	4.15		
Ethanol	64-17-5	46.07	1.3	UD	2.45		
Chloromethane	74-87-3	50.49	0.39	UD	0.81		
Vinyl Chloride	75-01-4	62.5	0.06	UD	0.15		
Ethyl Acetate	141-78-6	97	0.32	UD	1.27		
Bromomethane	74-83-9	94.94	0.56	UD	2.17		
Chloroethane	75-00-3	64.52	49.2	D	129		
Tetrahydrofuran	109-99-9	72.11	0.52	UD	1.53		
Trichlorofluoromethane	75-69-4	137.4	0.64	UD	3.6		
Dichlorotetrafluoroethane	76-14-2	170.9	0.35	UD	2.45		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.64	UD	4.91		
Bromoethene	593-60-2	106.9	0.48	UD	2.1		
tert-Butyl alcohol	75-65-0	74.12	0.76	UD	2.3		
Propene	115-07-1	42	0.6	UD	1.03		
Heptane	142-82-5	100.2	22.2	D	91.0		
Isopropyl Alcohol	67-63-0	60.1	0.28	UD	0.69		
1,1-Dichloroethene	75-35-4	96.94	19	D	75.3		
Acetone	67-64-1	58.08	0.96	UD	2.28		
Carbon Disulfide	75-15-0	76.14	0.64	UD	1.99		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.48	UD	1.73		
Methylene Chloride	75-09-2	84.94	0.76	UD	2.64		
trans-1,2-Dichloroethene	156-60-5	96.94	0.76	UD	3.01		
Vinyl Acetate	108-05-4	88	0.64	UD	2.3		
1,1-Dichloroethane	75-34-3	98.96	0.52	UD	2.1		
Cyclohexane	110-82-7	84.16	0.88	UD	3.03		
2-Butanone	78-93-3	72.11	0.48	UD	1.42		
Carbon Tetrachloride	56-23-5	153.8	26.6	D	167		
cis-1,2-Dichloroethene	156-59-2	96.94	0.36	UD	1.43		
Chloroform	67-66-3	119.4	0.33	UD	1.61		
1,1,1-Trichloroethane	71-55-6	133.4	0.04	UD	0.22		
2,2,4-Trimethylpentane	540-84-1	114.2	0.4	UD	1.87		
Benzene	71-43-2	78.11	0.35	UD	1.12		
1,2-Dichloroethane	107-06-2	98.96	0.36	UD	1.46		
Trichloroethene	79-01-6	131.4	0.07	UD	0.38		

Project : NJ Air PT

Sampling Date : 10/25/24

Field Id Number : E070-1100DL2

Analysis Date : 11/21/24

Laboratory Id Number : P4633-01DL2

Target Analyts : Air Results

1,2-Dichloropropane	78-87-5	113	0.44	UD	2.03		
Bromodichloromethane	75-27-4	163.8	17.3	D	115		
4-Methyl-2-Pentanone	108-10-1	100.2	0.37	UD	1.52		
Toluene	108-88-3	92.14	41.2	D	155		
t-1,3-Dichloropropene	10061-02-6	111	0.24	UD	1.09		
cis-1,3-Dichloropropene	10061-01-5	111	0.26	UD	1.18		
1,1,2-Trichloroethane	79-00-5	133.4	0.28	UD	1.53		
2-Hexanone	591-78-6	100	0.32	UD	1.31		
Dibromochloromethane	124-48-1	208.3	0.26	UD	2.22		
1,2-Dibromoethane	106-93-4	187.9	0.29	UD	2.23		
Tetrachloroethene	127-18-4	165.8	0.06	UD	0.41		
Chlorobenzene	108-90-7	112.6	0.3	UD	1.38		
Ethyl Benzene	100-41-4	106.2	0.48	UD	2.08		
m/p-Xylene	179601-23-1	106.2	43.6	D	189		
Total Xylenes	1330-20-7	106.2	78.1	D	339		
o-Xylene	95-47-6	106.2	34.5	D	149		
Styrene	100-42-5	104.1	0.44	UD	1.87		
Bromoform	75-25-2	252.8	0.23	UD	2.38		
Isopropylbenzene	98-82-8	120.19	0.35	UD	1.72		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.04	UD	0.27		
2-Chlorotoluene	95-49-8	126.6	0.44	UD	2.28		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.44	UD	2.16		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.31	UD	1.52		
1,3-Dichlorobenzene	541-73-1	147	0.32	UD	1.92		
1,4-Dichlorobenzene	106-46-7	147	0.21	UD	1.26		
1,2-Dichlorobenzene	95-50-1	147	27	D	162		
1,2,4-Trichlorobenzene	120-82-1	181.5	18.5	D	137		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.34	UD	3.63		
Naphthalene	91-20-3	128.17	0.3	UD	1.57		
1,3-Butadiene	106-99-0	54.09	0.52	UD	1.15		
4-Ethyltoluene	622-96-8	120.2	0.48	UD	2.36		
Hexane	110-54-3	86.17	0.44	UD	1.55		
Allyl Chloride	107-05-1	76.53	0.6	UD	1.88		
Benzyl Chloride	100-44-7	126.59	0.72	UD	3.73		
1,4-Dioxane	123-91-1	88.12	0.84	UD	3.03		
Methyl Methacrylate	80-62-6	100.117	0.34	UD	1.39		

Method	Matrix	Parameter	Spike_Amt_ Added	Calculated MDL	MB Data	MB Datafile	New MDL TO Be Used	MDL Unit
TO-15	Air	1,1,1,2-Tetrachloroethane	0.4	0.090683682	0		0.091	ppbv
TO-15	Air	1,1,1-Trichloroethane	0.03	0.00947589	0		0.0095	ppbv
TO-15	Air	1,1,2,2-Tetrachloroethane	0.03	0.010183321	0		0.011	ppbv
TO-15	Air	1,1,2-Trichloroethane	0.4	0.070112514	0		0.071	ppbv
TO-15	Air	1,1,2-Trichlorotrifluoroethane	0.4	0.155560652	0		0.16	ppbv
TO-15	Air	1,1-Dichloroethane	0.4	0.122378743	0		0.13	ppbv
TO-15	Air	1,1-Dichloroethene	0.4	0.139735617	0		0.14	ppbv
TO-15	Air	1,2,4-Trichlorobenzene	0.4	0.084677012	0		0.085	ppbv
TO-15	Air	1,2,4-Trimethylbenzene	0.4	0.077496367	0		0.078	ppbv
TO-15	Air	1,2-Dibromoethane	0.4	0.071318853	0		0.072	ppbv
TO-15	Air	1,2-Dichlorobenzene	0.4	0.074250332	0		0.075	ppbv
TO-15	Air	1,2-Dichloroethane	0.4	0.090890005	0		0.091	ppbv
TO-15	Air	1,2-Dichloropropane	0.4	0.073346868	0.109	VL038919.D	0.11	ppbv
TO-15	Air	1,3,5-Trimethylbenzene	0.4	0.101198372	0		0.11	ppbv
TO-15	Air	1,3-Butadiene	0.4	0.124009143	0		0.13	ppbv
TO-15	Air	1,3-Dichlorobenzene	0.4	0.079013305	0		0.08	ppbv
TO-15	Air	1,4-Dichlorobenzene	0.4	0.052746151	0		0.053	ppbv
TO-15	Air	1,4-Dioxane	0.4	0.202123585	0		0.21	ppbv
TO-15	Air	2,2,4-Trimethylpentane	0.4	0.09988427	0		0.10	ppbv
TO-15	Air	2-Butanone	0.4	0.118687999	0		0.12	ppbv
TO-15	Air	2-Chlorotoluene	0.4	0.104141644	0		0.11	ppbv
TO-15	Air	2-Hexanone	0.4	0.080656229	0		0.081	ppbv
TO-15	Air	4-Ethyltoluene	0.4	0.112037051	0		0.12	ppbv
TO-15	Air	4-Methyl-2-Pentanone	0.4	0.092836933	0		0.093	ppbv
TO-15	Air	Acetone	0.4	0.234416891	0		0.24	ppbv
TO-15	Air	Allyl Chloride	0.4	0.145618654	0		0.15	ppbv
TO-15	Air	Benzene	0.4	0.086407689	0		0.087	ppbv
TO-15	Air	Benzyl Chloride	0.4	0.173895169	0		0.18	ppbv
TO-15	Air	Bromodichloromethane	0.4	0.076780313	0		0.077	ppbv
TO-15	Air	Bromoethene	0.4	0.115560124	0		0.12	ppbv
TO-15	Air	Bromoform	0.4	0.056947551	0		0.057	ppbv
TO-15	Air	Bromomethane	0.4	0.137678239	0		0.14	ppbv
TO-15	Air	Carbon Disulfide	0.4	0.157343925	0		0.16	ppbv
TO-15	Air	Carbon Tetrachloride	0.03	0.010617308	0		0.011	ppbv
TO-15	Air	Chlorobenzene	0.4	0.075202602	0		0.076	ppbv
TO-15	Air	Chlorodifluoromethane	0.4	0.087466815	0		0.088	ppbv
TO-15	Air	Chloroethane	0.4	0.163530318	0		0.17	ppbv
TO-15	Air	Chloroform	0.4	0.082232394	0		0.083	ppbv
TO-15	Air	Chloromethane	0.4	0.097292998	0		0.098	ppbv
TO-15	Air	cis-1,2-Dichloroethene	0.4	0.088332535	0		0.089	ppbv
TO-15	Air	cis-1,3-Dichloropropene	0.4	0.063248763	0		0.064	ppbv
TO-15	Air	Cyclohexane	0.4	0.217999816	0		0.22	ppbv
TO-15	Air	Dibromochloromethane	0.4	0.065703935	0		0.066	ppbv
TO-15	Air	Dichlorodifluoromethane	0.4	0.20957733	0		0.21	ppbv
TO-15	Air	Dichlorotetrafluoroethane	0.4	0.087348046	0		0.088	ppbv
TO-15	Air	Ethyl Acetate	0.4	0.078161123	0		0.079	ppbv
TO-15	Air	Ethyl Benzene	0.4	0.115413562	0		0.12	ppbv
TO-15	Air	Heptane	0.4	0.100800637	0		0.11	ppbv
TO-15	Air	Hexachloro-1,3-Butadiene	0.4	0.084169773	0		0.085	ppbv
TO-15	Air	Hexane	0.4	0.106485082	0		0.11	ppbv
TO-15	Air	Isopropyl Alcohol	0.4	0.068329134	0		0.069	ppbv
TO-15	Air	Isopropylbenzene	0.4	0.086744608	0		0.087	ppbv
TO-15	Air	m/p-Xylene	0.4	0.205831125	0		0.21	ppbv
TO-15	Air	Methyl Methacrylate	0.4	0.085528753	0		0.086	ppbv
TO-15	Air	Methyl tert-Butyl Ether	0.4	0.119546728	0		0.12	ppbv
TO-15	Air	Methylene Chloride	0.4	0.18405265	0.11	VL039022.D	0.19	ppbv
TO-15	Air	Naphthalene	0.4	0.074961199	0		0.075	ppbv
TO-15	Air	Naphthalene,2-methyl-	0.4	0.148496389	0		0.15	ppbv
TO-15	Air	n-Butylbenzene	0.4	0.08201719	0		0.083	ppbv
TO-15	Air	n-propylbenzene	0.4	0.0778963	0		0.078	ppbv
TO-15	Air	o-Xylene	0.4	0.117630235	0		0.12	ppbv
TO-15	Air	p-Isopropyltoluene	0.4	0.085704866	0		0.086	ppbv
TO-15	Air	Propene	0.4	0.143790814	0.14	VL039337.D	0.15	ppbv
TO-15	Air	sec-Butylbenzene	0.4	0.093164076	0		0.094	ppbv
TO-15	Air	Styrene	0.4	0.109444442	0		0.11	ppbv
TO-15	Air	t-1,3-Dichloropropene	0.4	0.059734415	0		0.06	ppbv
TO-15	Air	tert-Butyl alcohol	0.4	0.187711954	0		0.19	ppbv
TO-15	Air	tert-Butylbenzene	0.4	0.092760327	0		0.093	ppbv
TO-15	Air	Tetrachloroethene	0.03	0.014462962	0		0.015	ppbv
TO-15	Air	Tetrahydrofuran	0.4	0.122655048	0		0.13	ppbv
TO-15	Air	Toluene	0.4	0.109284	0		0.11	ppbv
TO-15	Air	trans-1,2-Dichloroethene	0.4	0.185264638	0		0.19	ppbv
TO-15	Air	Trichloroethene	0.03	0.016558175	0		0.017	ppbv
TO-15	Air	Trichlorofluoromethane	0.4	0.157465794	0		0.16	ppbv
TO-15	Air	Vinyl Acetate	0.4	0.152371485	0		0.16	ppbv
TO-15	Air	Vinyl Chloride	0.03	0.013585954	0		0.014	ppbv
TO-15	Air	Ethanol	0.4	0.317031286	0		0.32	ug/L

StddevVal	StudentsT Value	Instrument ID	Datafile1	Concentration1	Adate1	Datafile2	Concentration2
0.03485153	2.602	MSVOA_L	VL038602.D	0.51	03142022T18:52:00	VL038645.D	0.494
0.003641772	2.602	MSVOA_L	VL038599.D	0.03	03142022T17:01:00	VL038658.D	0.029
0.003913651	2.602	MSVOA_L	VL038599.D	0.03	03142022T17:01:00	VL038658.D	0.035
0.026945624	2.602	MSVOA_L	VL038602.D	0.44	03142022T18:52:00	VL038645.D	0.439
0.059785032	2.602	MSVOA_L	VL038602.D	0.47	03142022T18:52:00	VL038645.D	0.466
0.047032569	2.602	MSVOA_L	VL038602.D	0.45	03142022T18:52:00	VL038645.D	0.456
0.053703158	2.602	MSVOA_L	VL038602.D	0.43	03142022T18:52:00	VL038645.D	0.411
0.032543048	2.602	MSVOA_L	VL038602.D	0.3	03142022T18:52:00	VL038645.D	0.336
0.029783385	2.602	MSVOA_L	VL038602.D	0.38	03142022T18:52:00	VL038645.D	0.396
0.027409244	2.602	MSVOA_L	VL038602.D	0.38	03142022T18:52:00	VL038645.D	0.352
0.028535869	2.602	MSVOA_L	VL038602.D	0.45	03142022T18:52:00	VL038645.D	0.407
0.034930824	2.602	MSVOA_L	VL038602.D	0.41	03142022T18:52:00	VL038645.D	0.445
0.02818865	2.602	MSVOA_L	VL038602.D	0.43	03142022T18:52:00	VL038645.D	0.406
0.038892534	2.602	MSVOA_L	VL038602.D	0.33	03142022T18:52:00	VL038645.D	0.374
0.047659163	2.602	MSVOA_L	VL038602.D	0.42	03142022T18:52:00	VL038645.D	0.419
0.030366374	2.602	MSVOA_L	VL038602.D	0.42	03142022T18:52:00	VL038645.D	0.428
0.020271388	2.602	MSVOA_L	VL038602.D	0.42	03142022T18:52:00	VL038645.D	0.418
0.077680086	2.602	MSVOA_L	VL038602.D	0.46	03142022T18:52:00	VL038645.D	0.285
0.038387498	2.602	MSVOA_L	VL038602.D	0.39	03142022T18:52:00	VL038645.D	0.383
0.045614143	2.602	MSVOA_L	VL038602.D	0.4	03142022T18:52:00	VL038645.D	0.406
0.040023691	2.602	MSVOA_L	VL038602.D	0.37	03142022T18:52:00	VL038645.D	0.375
0.030997782	2.602	MSVOA_L	VL038602.D	0.3	03142022T18:52:00	VL038645.D	0.283
0.043058052	2.602	MSVOA_L	VL038602.D	0.34	03142022T18:52:00	VL038645.D	0.356
0.035679067	2.602	MSVOA_L	VL038602.D	0.3	03142022T18:52:00	VL038645.D	0.282
0.090091042	2.602	MSVOA_L	VL038602.D	0.43	03142022T18:52:00	VL038645.D	0.468
0.055964125	2.602	MSVOA_L	VL038602.D	0.4	03142022T18:52:00	VL038645.D	0.392
0.033208182	2.602	MSVOA_L	VL038602.D	0.38	03142022T18:52:00	VL038645.D	0.407
0.066831349	2.602	MSVOA_L	VL038602.D	0.44	03142022T18:52:00	VL038645.D	0.454
0.029508191	2.602	MSVOA_L	VL038602.D	0.43	03142022T18:52:00	VL038645.D	0.408
0.044412039	2.602	MSVOA_L	VL038602.D	0.42	03142022T18:52:00	VL038645.D	0.433
0.021886069	2.602	MSVOA_L	VL038602.D	0.38	03142022T18:52:00	VL038645.D	0.31
0.052912467	2.602	MSVOA_L	VL038602.D	0.43	03142022T18:52:00	VL038645.D	0.404
0.060470378	2.602	MSVOA_L	VL038602.D	0.37	03142022T18:52:00	VL038645.D	0.357
0.004080441	2.602	MSVOA_L	VL038599.D	0.03	03142022T17:01:00	VL038658.D	0.026
0.028901845	2.602	MSVOA_L	VL038602.D	0.48	03142022T18:52:00	VL038645.D	0.467
0.033615225	2.602	MSVOA_L	VL038602.D	0.45	03142022T18:52:00	VL038645.D	0.468
0.062847932	2.602	MSVOA_L	VL038602.D	0.44	03142022T18:52:00	VL038645.D	0.453
0.031603534	2.602	MSVOA_L	VL038602.D	0.45	03142022T18:52:00	VL038645.D	0.464
0.037391621	2.602	MSVOA_L	VL038602.D	0.47	03142022T18:52:00	VL038645.D	0.439
0.033947938	2.602	MSVOA_L	VL038602.D	0.36	03142022T18:52:00	VL038645.D	0.391
0.024307749	2.602	MSVOA_L	VL038602.D	0.3	03142022T18:52:00	VL038645.D	0.317
0.083781636	2.602	MSVOA_L	VL038602.D	0.42	03142022T18:52:00	VL038645.D	0.414
0.02525132	2.602	MSVOA_L	VL038602.D	0.39	03142022T18:52:00	VL038645.D	0.359
0.080544708	2.602	MSVOA_L	VL038602.D	0.49	03142022T18:52:00	VL038645.D	0.43
0.033569579	2.602	MSVOA_L	VL038602.D	0.5	03142022T18:52:00	VL038645.D	0.472
0.030038864	2.602	MSVOA_L	VL038602.D	0.39	03142022T18:52:00	VL038645.D	0.412
0.044355712	2.602	MSVOA_L	VL038602.D	0.33	03142022T18:52:00	VL038645.D	0.357
0.038739676	2.602	MSVOA_L	VL038602.D	0.35	03142022T18:52:00	VL038645.D	0.349
0.032348107	2.602	MSVOA_L	VL038602.D	0.48	03142022T18:52:00	VL038645.D	0.5
0.04092432	2.602	MSVOA_L	VL038602.D	0.37	03142022T18:52:00	VL038645.D	0.411
0.026260236	2.602	MSVOA_L	VL038602.D	0.47	03142022T18:52:00	VL038645.D	0.44
0.033337666	2.602	MSVOA_L	VL038602.D	0.4	03142022T18:52:00	VL038645.D	0.387
0.079104967	2.602	MSVOA_L	VL038602.D	0.76	03142022T18:52:00	VL038645.D	0.762
0.032870389	2.602	MSVOA_L	VL038602.D	0.31	03142022T18:52:00	VL038645.D	0.334
0.045944169	2.602	MSVOA_L	VL038602.D	0.41	03142022T18:52:00	VL038645.D	0.418
0.070735069	2.602	MSVOA_L	VL038602.D	0.49	03142022T18:52:00	VL038645.D	0.479
0.02880907	2.602	MSVOA_L	VL038602.D	0.25	03142022T18:52:00	VL038645.D	0.289
0.057070096	2.602	MSVOA_L	VL038602.D	0.14	03142022T18:52:00	VL038645.D	0.074
0.031520826	2.602	MSVOA_L	VL038602.D	0.35	03142022T18:52:00	VL038645.D	0.366
0.029937087	2.602	MSVOA_L	VL038602.D	0.37	03142022T18:52:00	VL038645.D	0.365
0.045207623	2.602	MSVOA_L	VL038602.D	0.36	03142022T18:52:00	VL038645.D	0.368
0.032938073	2.602	MSVOA_L	VL038602.D	0.35	03142022T18:52:00	VL038645.D	0.366
0.05526165	2.602	MSVOA_L	VL038602.D	0.44	03142022T18:52:00	VL038645.D	0.443
0.035804795	2.602	MSVOA_L	VL038602.D	0.38	03142022T18:52:00	VL038645.D	0.392
0.042061661	2.602	MSVOA_L	VL038602.D	0.26	03142022T18:52:00	VL038645.D	0.275
0.022957116	2.602	MSVOA_L	VL038602.D	0.27	03142022T18:52:00	VL038645.D	0.29
0.072141412	2.602	MSVOA_L	VL038602.D	0.44	03142022T18:52:00	VL038645.D	0.459
0.035649626	2.602	MSVOA_L	VL038602.D	0.37	03142022T18:52:00	VL038645.D	0.405
0.005558402	2.602	MSVOA_L	VL038599.D	0.03	03142022T17:01:00	VL038658.D	0.031
0.047138758	2.602	MSVOA_L	VL038602.D	0.3	03142022T18:52:00	VL038645.D	0.324
0.042	2.602	MSVOA_L	VL038602.D	0.31	03142022T18:52:00	VL038645.D	0.332
0.07120086	2.602	MSVOA_L	VL038602.D	0.4	03142022T18:52:00	VL038645.D	0.396
0.006363634	2.602	MSVOA_L	VL038599.D	0.03	03142022T17:01:00	VL038658.D	0.035
0.060517215	2.602	MSVOA_L	VL038602.D	0.46	03142022T18:52:00	VL038645.D	0.472
0.058559372	2.602	MSVOA_L	VL038602.D	0.4	03142022T18:52:00	VL038645.D	0.389
0.00522135	2.602	MSVOA_L	VL038599.D	0.03	03142022T17:01:00	VL038658.D	0.031
0.105747594	2.998	MSVOA_L	VL040210.D	0.438	02222023T00:52:00	VL040220.D	0.43

Adate2	Datafile3	Concentration3	Adate3	Datafile4	Concentration4	Adate4	Datafile5
03182022T03:39:00	VL039242.D	0.45	06082022T19:44:00	VL039436.D	0.45	07062022T02:26:00	VL039568.D
03212022T20:11:00	VL039329.D	0.036	06222022T20:53:00	VL039439.D	0.033	07062022T09:13:00	VL039570.D
03212022T20:11:00	VL039329.D	0.029	06222022T20:53:00	VL039439.D	0.035	07062022T09:13:00	VL039570.D
03182022T03:39:00	VL039242.D	0.417	06082022T19:44:00	VL039436.D	0.445	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.615	06082022T19:44:00	VL039436.D	0.498	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.493	06082022T19:44:00	VL039436.D	0.545	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.594	06082022T19:44:00	VL039436.D	0.485	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.318	06082022T19:44:00	VL039436.D	0.328	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.389	06082022T19:44:00	VL039436.D	0.387	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.392	06082022T19:44:00	VL039436.D	0.391	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.409	06082022T19:44:00	VL039436.D	0.393	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.494	06082022T19:44:00	VL039436.D	0.435	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.404	06082022T19:44:00	VL039436.D	0.451	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.421	06082022T19:44:00	VL039436.D	0.397	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.583	06082022T19:44:00	VL039436.D	0.486	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.409	06082022T19:44:00	VL039436.D	0.465	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.392	06082022T19:44:00	VL039436.D	0.41	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.454	06082022T19:44:00	VL039436.D	0.535	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.37	06082022T19:44:00	VL039436.D	0.425	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.438	06082022T19:44:00	VL039436.D	0.482	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.415	06082022T19:44:00	VL039436.D	0.401	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.309	06082022T19:44:00	VL039436.D	0.31	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.391	06082022T19:44:00	VL039436.D	0.393	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.371	06082022T19:44:00	VL039436.D	0.372	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.649	06082022T19:44:00	VL039436.D	0.621	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.58	06082022T19:44:00	VL039436.D	0.45	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.391	06082022T19:44:00	VL039436.D	0.429	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.328	06082022T19:44:00	VL039436.D	0.438	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.398	06082022T19:44:00	VL039436.D	0.395	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.526	06082022T19:44:00	VL039436.D	0.475	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.335	06082022T19:44:00	VL039436.D	0.322	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.535	06082022T19:44:00	VL039436.D	0.503	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.494	06082022T19:44:00	VL039436.D	0.389	07062022T02:26:00	VL039568.D
03212022T20:11:00	VL039329.D	0.028	06222022T20:53:00	VL039439.D	0.03	07062022T09:13:00	VL039570.D
03182022T03:39:00	VL039242.D	0.418	06082022T19:44:00	VL039436.D	0.473	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.489	06082022T19:44:00	VL039436.D	0.483	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.595	06082022T19:44:00	VL039436.D	0.52	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.453	06082022T19:44:00	VL039436.D	0.469	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.5	06082022T19:44:00	VL039436.D	0.482	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.403	06082022T19:44:00	VL039436.D	0.434	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.315	06082022T19:44:00	VL039436.D	0.327	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.428	06082022T19:44:00	VL039436.D	0.512	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.359	06082022T19:44:00	VL039436.D	0.37	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.618	06082022T19:44:00	VL039436.D	0.675	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.551	06082022T19:44:00	VL039436.D	0.51	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.376	06082022T19:44:00	VL039436.D	0.441	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.374	06082022T19:44:00	VL039436.D	0.381	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.33	06082022T19:44:00	VL039436.D	0.41	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.444	06082022T19:44:00	VL039436.D	0.472	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.394	06082022T19:44:00	VL039436.D	0.47	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.504	06082022T19:44:00	VL039436.D	0.465	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.425	06082022T19:44:00	VL039436.D	0.416	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.815	06082022T19:44:00	VL039436.D	0.805	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.347	06082022T19:44:00	VL039436.D	0.361	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.492	06082022T19:44:00	VL039436.D	0.452	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.684	06082022T19:44:00	VL039436.D	0.578	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.282	06082022T19:44:00	VL039436.D	0.302	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.155	06082022T19:44:00	VL039436.D	0.143	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.39	06082022T19:44:00	VL039436.D	0.374	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.394	06082022T19:44:00	VL039436.D	0.397	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.421	06082022T19:44:00	VL039436.D	0.403	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.378	06082022T19:44:00	VL039436.D	0.388	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.435	06082022T19:44:00	VL039436.D	0.521	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.411	06082022T19:44:00	VL039436.D	0.406	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.345	06082022T19:44:00	VL039436.D	0.302	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.309	06082022T19:44:00	VL039436.D	0.279	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.655	06082022T19:44:00	VL039436.D	0.505	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.403	06082022T19:44:00	VL039436.D	0.388	07062022T02:26:00	VL039568.D
03212022T20:11:00	VL039329.D	0.036	06222022T20:53:00	VL039439.D	0.034	07062022T09:13:00	VL039570.D
03182022T03:39:00	VL039242.D	0.346	06082022T19:44:00	VL039436.D	0.38	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.341	06082022T19:44:00	VL039436.D	0.37	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.64	06082022T19:44:00	VL039436.D	0.494	07062022T02:26:00	VL039568.D
03212022T20:11:00	VL039329.D	0.038	06222022T20:53:00	VL039439.D	0.034	07062022T09:13:00	VL039570.D
03182022T03:39:00	VL039242.D	0.596	06082022T19:44:00	VL039436.D	0.492	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.418	06082022T19:44:00	VL039436.D	0.437	07062022T02:26:00	VL039568.D
03212022T20:11:00	VL039329.D	0.043	06222022T20:53:00	VL039439.D	0.036	07062022T09:13:00	VL039570.D
02232022T13:12:00	VL040329.D	0.51	04102023T17:39:00	VL040349.D	0.633	04122023T23:23:00	VL040559.D

Concentration5	Adate5	Datafile6	Concentration6	Adate6	Datafile7	Concentration7	Adate7
0.433	08182022T21:04:00	VL039600.D	0.463	08262022T12:33:00	VL039709.D	0.402	10102022T23:30:00
0.03	08182022T22:24:00	VL039586.D	0.031	08252022T20:23:00	VL039711.D	0.03	10112022T00:45:00
0.03	08182022T22:24:00	VL039586.D	0.029	08252022T20:23:00	VL039711.D	0.03	10112022T00:45:00
0.404	08182022T21:04:00	VL039600.D	0.424	08262022T12:33:00	VL039709.D	0.412	10102022T23:30:00
0.448	08182022T21:04:00	VL039600.D	0.454	08262022T12:33:00	VL039709.D	0.438	10102022T23:30:00
0.426	08182022T21:04:00	VL039600.D	0.451	08262022T12:33:00	VL039709.D	0.445	10102022T23:30:00
0.394	08182022T21:04:00	VL039600.D	0.387	08262022T12:33:00	VL039709.D	0.427	10102022T23:30:00
0.314	08182022T21:04:00	VL039600.D	0.367	08262022T12:33:00	VL039709.D	0.373	10102022T23:30:00
0.342	08182022T21:04:00	VL039600.D	0.389	08262022T12:33:00	VL039709.D	0.389	10102022T23:30:00
0.361	08182022T21:04:00	VL039600.D	0.402	08262022T12:33:00	VL039709.D	0.375	10102022T23:30:00
0.408	08182022T21:04:00	VL039600.D	0.431	08262022T12:33:00	VL039709.D	0.448	10102022T23:30:00
0.411	08182022T21:04:00	VL039600.D	0.455	08262022T12:33:00	VL039709.D	0.418	10102022T23:30:00
0.444	08182022T21:04:00	VL039600.D	0.429	08262022T12:33:00	VL039709.D	0.373	10102022T23:30:00
0.331	08182022T21:04:00	VL039600.D	0.357	08262022T12:33:00	VL039709.D	0.342	10102022T23:30:00
0.405	08182022T21:04:00	VL039600.D	0.449	08262022T12:33:00	VL039709.D	0.422	10102022T23:30:00
0.368	08182022T21:04:00	VL039600.D	0.414	08262022T12:33:00	VL039709.D	0.399	10102022T23:30:00
0.404	08182022T21:04:00	VL039600.D	0.384	08262022T12:33:00	VL039709.D	0.439	10102022T23:30:00
0.373	08182022T21:04:00	VL039600.D	0.341	08262022T12:33:00	VL039709.D	0.418	10102022T23:30:00
0.348	08182022T21:04:00	VL039600.D	0.379	08262022T12:33:00	VL039709.D	0.392	10102022T23:30:00
0.314	08182022T21:04:00	VL039600.D	0.451	08262022T12:33:00	VL039709.D	0.354	10102022T23:30:00
0.312	08182022T21:04:00	VL039600.D	0.359	08262022T12:33:00	VL039709.D	0.348	10102022T23:30:00
0.27	08182022T21:04:00	VL039600.D	0.294	08262022T12:33:00	VL039709.D	0.326	10102022T23:30:00
0.284	08182022T21:04:00	VL039600.D	0.348	08262022T12:33:00	VL039709.D	0.355	10102022T23:30:00
0.322	08182022T21:04:00	VL039600.D	0.335	08262022T12:33:00	VL039709.D	0.32	10102022T23:30:00
0.363	08182022T21:04:00	VL039600.D	0.484	08262022T12:33:00	VL039709.D	0.5	10102022T23:30:00
0.418	08182022T21:04:00	VL039600.D	0.459	08262022T12:33:00	VL039709.D	0.379	10102022T23:30:00
0.345	08182022T21:04:00	VL039600.D	0.376	08262022T12:33:00	VL039709.D	0.398	10102022T23:30:00
0.394	08182022T21:04:00	VL039600.D	0.336	08262022T12:33:00	VL039709.D	0.356	10102022T23:30:00
0.382	08182022T21:04:00	VL039600.D	0.367	08262022T12:33:00	VL039709.D	0.377	10102022T23:30:00
0.408	08182022T21:04:00	VL039600.D	0.441	08262022T12:33:00	VL039709.D	0.388	10102022T23:30:00
0.305	08182022T21:04:00	VL039600.D	0.303	08262022T12:33:00	VL039709.D	0.293	10102022T23:30:00
0.364	08182022T21:04:00	VL039600.D	0.494	08262022T12:33:00	VL039709.D	0.464	10102022T23:30:00
0.399	08182022T21:04:00	VL039600.D	0.268	08262022T12:33:00	VL039709.D	0.332	10102022T23:30:00
0.03	08182022T22:24:00	VL039586.D	0.027	08252022T20:23:00	VL039711.D	0.03	10112022T00:45:00
0.431	08182022T21:04:00	VL039600.D	0.466	08262022T12:33:00	VL039709.D	0.46	10102022T23:30:00
0.456	08182022T21:04:00	VL039600.D	0.504	08262022T12:33:00	VL039709.D	0.446	10102022T23:30:00
0.462	08182022T21:04:00	VL039600.D	0.504	08262022T12:33:00	VL039709.D	0.531	10102022T23:30:00
0.423	08182022T21:04:00	VL039600.D	0.46	08262022T12:33:00	VL039709.D	0.411	10102022T23:30:00
0.392	08182022T21:04:00	VL039600.D	0.472	08262022T12:33:00	VL039709.D	0.485	10102022T23:30:00
0.36	08182022T21:04:00	VL039600.D	0.407	08262022T12:33:00	VL039709.D	0.438	10102022T23:30:00
0.277	08182022T21:04:00	VL039600.D	0.291	08262022T12:33:00	VL039709.D	0.284	10102022T23:30:00
0.376	08182022T21:04:00	VL039600.D	0.395	08262022T12:33:00	VL039709.D	0.383	10102022T23:30:00
0.339	08182022T21:04:00	VL039600.D	0.335	08262022T12:33:00	VL039709.D	0.301	10102022T23:30:00
0.62	08182022T21:04:00	VL039600.D	0.643	08262022T12:33:00	VL039709.D	0.694	10102022T23:30:00
0.454	08182022T21:04:00	VL039600.D	0.508	08262022T12:33:00	VL039709.D	0.473	10102022T23:30:00
0.341	08182022T21:04:00	VL039600.D	0.432	08262022T12:33:00	VL039709.D	0.395	10102022T23:30:00
0.297	08182022T21:04:00	VL039600.D	0.338	08262022T12:33:00	VL039709.D	0.334	10102022T23:30:00
0.347	08182022T21:04:00	VL039600.D	0.382	08262022T12:33:00	VL039709.D	0.407	10102022T23:30:00
0.447	08182022T21:04:00	VL039600.D	0.502	08262022T12:33:00	VL039709.D	0.468	10102022T23:30:00
0.385	08182022T21:04:00	VL039600.D	0.405	08262022T12:33:00	VL039709.D	0.435	10102022T23:30:00
0.458	08182022T21:04:00	VL039600.D	0.434	08262022T12:33:00	VL039709.D	0.481	10102022T23:30:00
0.361	08182022T21:04:00	VL039600.D	0.388	08262022T12:33:00	VL039709.D	0.405	10102022T23:30:00
0.673	08182022T21:04:00	VL039600.D	0.719	08262022T12:33:00	VL039709.D	0.688	10102022T23:30:00
0.3	08182022T21:04:00	VL039600.D	0.323	08262022T12:33:00	VL039709.D	0.346	10102022T23:30:00
0.337	08182022T21:04:00	VL039600.D	0.355	08262022T12:33:00	VL039709.D	0.396	10102022T23:30:00
0.536	08182022T21:04:00	VL039600.D	0.634	08262022T12:33:00	VL039709.D	0.499	10102022T23:30:00
0.28	08182022T21:04:00	VL039600.D	0.302	08262022T12:33:00	VL039709.D	0.291	10102022T23:30:00
0.158	08182022T21:04:00	VL039600.D	0.094	08262022T12:33:00	VL039709.D	0.149	10102022T23:30:00
0.321	08182022T21:04:00	VL039600.D	0.354	08262022T12:33:00	VL039709.D	0.358	10102022T23:30:00
0.332	08182022T21:04:00	VL039600.D	0.338	08262022T12:33:00	VL039709.D	0.347	10102022T23:30:00
0.315	08182022T21:04:00	VL039600.D	0.347	08262022T12:33:00	VL039709.D	0.354	10102022T23:30:00
0.316	08182022T21:04:00	VL039600.D	0.362	08262022T12:33:00	VL039709.D	0.358	10102022T23:30:00
0.499	08182022T21:04:00	VL039600.D	0.578	08262022T12:33:00	VL039709.D	0.533	10102022T23:30:00
0.359	08182022T21:04:00	VL039600.D	0.382	08262022T12:33:00	VL039709.D	0.371	10102022T23:30:00
0.23	08182022T21:04:00	VL039600.D	0.257	08262022T12:33:00	VL039709.D	0.278	10102022T23:30:00
0.252	08182022T21:04:00	VL039600.D	0.252	08262022T12:33:00	VL039709.D	0.273	10102022T23:30:00
0.384	08182022T21:04:00	VL039600.D	0.382	08262022T12:33:00	VL039709.D	0.454	10102022T23:30:00
0.345	08182022T21:04:00	VL039600.D	0.399	08262022T12:33:00	VL039709.D	0.371	10102022T23:30:00
0.03	08182022T22:24:00	VL039586.D	0.038	08252022T20:23:00	VL039711.D	0.03	10112022T00:45:00
0.299	08182022T21:04:00	VL039600.D	0.344	08262022T12:33:00	VL039709.D	0.389	10102022T23:30:00
0.288	08182022T21:04:00	VL039600.D	0.296	08262022T12:33:00	VL039709.D	0.33	10102022T23:30:00
0.375	08182022T21:04:00	VL039600.D	0.466	08262022T12:33:00	VL039709.D	0.437	10102022T23:30:00
0.03	08182022T22:24:00	VL039586.D	0.031	08252022T20:23:00	VL039711.D	0.04	10112022T00:45:00
0.436	08182022T21:04:00	VL039600.D	0.47	08262022T12:33:00	VL039709.D	0.385	10102022T23:30:00
0.42	08182022T21:04:00	VL039600.D	0.483	08262022T12:33:00	VL039709.D	0.363	10102022T23:30:00
0.03	08182022T22:24:00	VL039586.D	0.029	08252022T20:23:00	VL039711.D	0.03	10112022T00:45:00
0.636	07272023T03:27:00	VL040579.D	0.42	07312023T19:20:00	VL040747.D	0.607	10042023T19:33:00

Datafile8	Concentration8	Adate8	Datafile9	Concentration9	Adate9	Datafile10	Concentration10
VL040134.D	0.42	01302023T15:54:00	VL040210.D	0.383	02222023T00:52:00	VL040220.D	0.42
VL040136.D	0.03	01302023T17:08:00	VL040222.D	0.038	02232023T14:26:00	VL040223.D	0.033
VL040136.D	0.03	01302023T17:08:00	VL040222.D	0.032	02232023T14:26:00	VL040223.D	0.027
VL040134.D	0.41	01302023T15:54:00	VL040210.D	0.395	02222023T00:52:00	VL040220.D	0.43
VL040134.D	0.38	01302023T15:54:00	VL040210.D	0.476	02222023T00:52:00	VL040220.D	0.47
VL040134.D	0.38	01302023T15:54:00	VL040210.D	0.436	02222023T00:52:00	VL040220.D	0.45
VL040134.D	0.4	01302023T15:54:00	VL040210.D	0.452	02222023T00:52:00	VL040220.D	0.45
VL040134.D	0.32	01302023T15:54:00	VL040210.D	0.299	02222023T00:52:00	VL040220.D	0.32
VL040134.D	0.37	01302023T15:54:00	VL040210.D	0.375	02222023T00:52:00	VL040220.D	0.37
VL040134.D	0.39	01302023T15:54:00	VL040210.D	0.38	02222023T00:52:00	VL040220.D	0.38
VL040134.D	0.38	01302023T15:54:00	VL040210.D	0.378	02222023T00:52:00	VL040220.D	0.43
VL040134.D	0.4	01302023T15:54:00	VL040210.D	0.434	02222023T00:52:00	VL040220.D	0.44
VL040134.D	0.41	01302023T15:54:00	VL040210.D	0.432	02222023T00:52:00	VL040220.D	0.43
VL040134.D	0.35	01302023T15:54:00	VL040210.D	0.344	02222023T00:52:00	VL040220.D	0.34
VL040134.D	0.43	01302023T15:54:00	VL040210.D	0.396	02222023T00:52:00	VL040220.D	0.41
VL040134.D	0.37	01302023T15:54:00	VL040210.D	0.395	02222023T00:52:00	VL040220.D	0.42
VL040134.D	0.4	01302023T15:54:00	VL040210.D	0.402	02222023T00:52:00	VL040220.D	0.4
VL040134.D	0.41	01302023T15:54:00	VL040210.D	0.387	02222023T00:52:00	VL040220.D	0.43
VL040134.D	0.39	01302023T15:54:00	VL040210.D	0.352	02222023T00:52:00	VL040220.D	0.38
VL040134.D	0.38	01302023T15:54:00	VL040210.D	0.416	02222023T00:52:00	VL040220.D	0.44
VL040134.D	0.36	01302023T15:54:00	VL040210.D	0.34	02222023T00:52:00	VL040220.D	0.36
VL040134.D	0.32	01302023T15:54:00	VL040210.D	0.318	02222023T00:52:00	VL040220.D	0.34
VL040134.D	0.35	01302023T15:54:00	VL040210.D	0.321	02222023T00:52:00	VL040220.D	0.36
VL040134.D	0.36	01302023T15:54:00	VL040210.D	0.337	02222023T00:52:00	VL040220.D	0.37
VL040134.D	0.45	01302023T15:54:00	VL040210.D	0.482	02222023T00:52:00	VL040220.D	0.5
VL040134.D	0.36	01302023T15:54:00	VL040210.D	0.411	02222023T00:52:00	VL040220.D	0.45
VL040134.D	0.38	01302023T15:54:00	VL040210.D	0.359	02222023T00:52:00	VL040220.D	0.39
VL040134.D	0.29	01302023T15:54:00	VL040210.D	0.311	02222023T00:52:00	VL040220.D	0.38
VL040134.D	0.37	01302023T15:54:00	VL040210.D	0.378	02222023T00:52:00	VL040220.D	0.38
VL040134.D	0.37	01302023T15:54:00	VL040210.D	0.413	02222023T00:52:00	VL040220.D	0.42
VL040134.D	0.32	01302023T15:54:00	VL040210.D	0.32	02222023T00:52:00	VL040220.D	0.33
VL040134.D	0.4	01302023T15:54:00	VL040210.D	0.408	02222023T00:52:00	VL040220.D	0.49
VL040134.D	0.31	01302023T15:54:00	VL040210.D	0.391	02222023T00:52:00	VL040220.D	0.37
VL040136.D	0.03	01302023T17:08:00	VL040222.D	0.033	02232023T14:26:00	VL040223.D	0.037
VL040134.D	0.44	01302023T15:54:00	VL040210.D	0.414	02222023T00:52:00	VL040220.D	0.45
VL040134.D	0.43	01302023T15:54:00	VL040210.D	0.474	02222023T00:52:00	VL040220.D	0.46
VL040134.D	0.37	01302023T15:54:00	VL040210.D	0.416	02222023T00:52:00	VL040220.D	0.44
VL040134.D	0.47	01302023T15:54:00	VL040210.D	0.445	02222023T00:52:00	VL040220.D	0.42
VL040134.D	0.46	01302023T15:54:00	VL040210.D	0.443	02222023T00:52:00	VL040220.D	0.47
VL040134.D	0.38	01302023T15:54:00	VL040210.D	0.435	02222023T00:52:00	VL040220.D	0.38
VL040134.D	0.33	01302023T15:54:00	VL040210.D	0.284	02222023T00:52:00	VL040220.D	0.34
VL040134.D	0.49	01302023T15:54:00	VL040210.D	0.521	02222023T00:52:00	VL040220.D	0.34
VL040134.D	0.35	01302023T15:54:00	VL040210.D	0.343	02222023T00:52:00	VL040220.D	0.34
VL040134.D	0.48	01302023T15:54:00	VL040210.D	0.497	02222023T00:52:00	VL040220.D	0.49
VL040134.D	0.43	01302023T15:54:00	VL040210.D	0.431	02222023T00:52:00	VL040220.D	0.46
VL040134.D	0.39	01302023T15:54:00	VL040210.D	0.398	02222023T00:52:00	VL040220.D	0.42
VL040134.D	0.36	01302023T15:54:00	VL040210.D	0.309	02222023T00:52:00	VL040220.D	0.33
VL040134.D	0.34	01302023T15:54:00	VL040210.D	0.336	02222023T00:52:00	VL040220.D	0.37
VL040134.D	0.43	01302023T15:54:00	VL040210.D	0.421	02222023T00:52:00	VL040220.D	0.44
VL040134.D	0.41	01302023T15:54:00	VL040210.D	0.4	02222023T00:52:00	VL040220.D	0.41
VL040134.D	0.4	01302023T15:54:00	VL040210.D	0.479	02222023T00:52:00	VL040220.D	0.48
VL040134.D	0.38	01302023T15:54:00	VL040210.D	0.361	02222023T00:52:00	VL040220.D	0.4
VL040134.D	0.71	01302023T15:54:00	VL040210.D	0.699	02222023T00:52:00	VL040220.D	0.75
VL040134.D	0.35	01302023T15:54:00	VL040210.D	0.314	02222023T00:52:00	VL040220.D	0.35
VL040134.D	0.38	01302023T15:54:00	VL040210.D	0.421	02222023T00:52:00	VL040220.D	0.41
VL040134.D	0.44	01302023T15:54:00	VL040210.D	0.558	02222023T00:52:00	VL040220.D	0.57
VL040134.D	0.27	01302023T15:54:00	VL040210.D	0.246	02222023T00:52:00	VL040220.D	0.27
VL040134.D	0.19	01302023T15:54:00	VL040210.D	0.116	02222023T00:52:00	VL040220.D	0.21
VL040134.D	0.34	01302023T15:54:00	VL040210.D	0.349	02222023T00:52:00	VL040220.D	0.35
VL040134.D	0.34	01302023T15:54:00	VL040210.D	0.354	02222023T00:52:00	VL040220.D	0.36
VL040134.D	0.34	01302023T15:54:00	VL040210.D	0.331	02222023T00:52:00	VL040220.D	0.36
VL040134.D	0.33	01302023T15:54:00	VL040210.D	0.329	02222023T00:52:00	VL040220.D	0.34
VL040134.D	0.42	01302023T15:54:00	VL040210.D	0.432	02222023T00:52:00	VL040220.D	0.43
VL040134.D	0.36	01302023T15:54:00	VL040210.D	0.352	02222023T00:52:00	VL040220.D	0.37
VL040134.D	0.29	01302023T15:54:00	VL040210.D	0.262	02222023T00:52:00	VL040220.D	0.27
VL040134.D	0.3	01302023T15:54:00	VL040210.D	0.292	02222023T00:52:00	VL040220.D	0.3
VL040134.D	0.4	01302023T15:54:00	VL040210.D	0.395	02222023T00:52:00	VL040220.D	0.44
VL040134.D	0.35	01302023T15:54:00	VL040210.D	0.349	02222023T00:52:00	VL040220.D	0.36
VL040136.D	0.03	01302023T17:08:00	VL040222.D	0.029	02232023T14:26:00	VL040223.D	0.031
VL040134.D	0.42	01302023T15:54:00	VL040210.D	0.368	02222023T00:52:00	VL040220.D	0.42
VL040134.D	0.34	01302023T15:54:00	VL040210.D	0.297	02222023T00:52:00	VL040220.D	0.33
VL040134.D	0.35	01302023T15:54:00	VL040210.D	0.397	02222023T00:52:00	VL040220.D	0.42
VL040136.D	0.03	01302023T17:08:00	VL040222.D	0.027	02232023T14:26:00	VL040223.D	0.028
VL040134.D	0.4	01302023T15:54:00	VL040210.D	0.451	02222023T00:52:00	VL040220.D	0.45
VL040134.D	0.39	01302023T15:54:00	VL040210.D	0.438	02222023T00:52:00	VL040220.D	0.4
VL040136.D	0.03	01302023T17:08:00	VL040222.D	0.033	02232023T14:26:00	VL040223.D	0.038
VL040805.D	0.675	10252023T18:12:00					

Adate10	Datafile11	Concentration11	Adate11	Datafile12	Concentration12	Adate12	Datafile13
02232023T13:12:00	VL040329.D	0.45	04102023T17:39:00	VL040349.D	0.434	04122023T23:23:00	VL040559.D
02232023T15:04:00	VL040332.D	0.028	04102023T19:33:00	VL040346.D	0.027	04122023T19:50:00	VL040576.D
02232023T15:04:00	VL040332.D	0.023	04102023T19:33:00	VL040346.D	0.03	04122023T19:50:00	VL040576.D
02232023T13:12:00	VL040329.D	0.41	04102023T17:39:00	VL040349.D	0.403	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.42	04102023T17:39:00	VL040349.D	0.429	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.43	04102023T17:39:00	VL040349.D	0.4	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.44	04102023T17:39:00	VL040349.D	0.419	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.3	04102023T17:39:00	VL040349.D	0.302	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.34	04102023T17:39:00	VL040349.D	0.362	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.37	04102023T17:39:00	VL040349.D	0.398	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.38	04102023T17:39:00	VL040349.D	0.402	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.45	04102023T17:39:00	VL040349.D	0.427	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.41	04102023T17:39:00	VL040349.D	0.385	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.33	04102023T17:39:00	VL040349.D	0.311	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.38	04102023T17:39:00	VL040349.D	0.448	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.38	04102023T17:39:00	VL040349.D	0.392	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.39	04102023T17:39:00	VL040349.D	0.402	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.33	04102023T17:39:00	VL040349.D	0.33	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.35	04102023T17:39:00	VL040349.D	0.356	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.45	04102023T17:39:00	VL040349.D	0.451	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.32	04102023T17:39:00	VL040349.D	0.31	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.28	04102023T17:39:00	VL040349.D	0.29	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.32	04102023T17:39:00	VL040349.D	0.303	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.33	04102023T17:39:00	VL040349.D	0.339	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.58	04102023T17:39:00	VL040349.D	0.582	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.39	04102023T17:39:00	VL040349.D	0.402	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.37	04102023T17:39:00	VL040349.D	0.365	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.37	04102023T17:39:00	VL040349.D	0.421	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.38	04102023T17:39:00	VL040349.D	0.397	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.41	04102023T17:39:00	VL040349.D	0.415	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.31	04102023T17:39:00	VL040349.D	0.337	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.44	04102023T17:39:00	VL040349.D	0.51	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.34	04102023T17:39:00	VL040349.D	0.342	04122023T23:23:00	VL040559.D
02232023T15:04:00	VL040332.D	0.028	04102023T19:33:00	VL040346.D	0.025	04122023T19:50:00	VL040576.D
02232023T13:12:00	VL040329.D	0.45	04102023T17:39:00	VL040349.D	0.433	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.45	04102023T17:39:00	VL040349.D	0.453	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.4	04102023T17:39:00	VL040349.D	0.487	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.43	04102023T17:39:00	VL040349.D	0.456	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.47	04102023T17:39:00	VL040349.D	0.455	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.38	04102023T17:39:00	VL040349.D	0.376	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.29	04102023T17:39:00	VL040349.D	0.287	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.29	04102023T17:39:00	VL040349.D	0.35	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.35	04102023T17:39:00	VL040349.D	0.339	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.51	04102023T17:39:00	VL040349.D	0.483	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.46	04102023T17:39:00	VL040349.D	0.467	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.39	04102023T17:39:00	VL040349.D	0.394	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.32	04102023T17:39:00	VL040349.D	0.31	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.33	04102023T17:39:00	VL040349.D	0.336	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.45	04102023T17:39:00	VL040349.D	0.441	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.37	04102023T17:39:00	VL040349.D	0.365	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.47	04102023T17:39:00	VL040349.D	0.442	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.38	04102023T17:39:00	VL040349.D	0.363	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.66	04102023T17:39:00	VL040349.D	0.659	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.31	04102023T17:39:00	VL040349.D	0.305	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.41	04102023T17:39:00	VL040349.D	0.362	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.47	04102023T17:39:00	VL040349.D	0.533	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.26	04102023T17:39:00	VL040349.D	0.261	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.21	04102023T17:39:00	VL040349.D	0.19	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.33	04102023T17:39:00	VL040349.D	0.334	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.35	04102023T17:39:00	VL040349.D	0.345	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.31	04102023T17:39:00	VL040349.D	0.327	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.32	04102023T17:39:00	VL040349.D	0.314	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.42	04102023T17:39:00	VL040349.D	0.465	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.35	04102023T17:39:00	VL040349.D	0.335	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.26	04102023T17:39:00	VL040349.D	0.257	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.27	04102023T17:39:00	VL040349.D	0.256	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.46	04102023T17:39:00	VL040349.D	0.427	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.34	04102023T17:39:00	VL040349.D	0.327	04122023T23:23:00	VL040559.D
02232023T15:04:00	VL040332.D	0.022	04102023T19:33:00	VL040346.D	0.029	04122023T19:50:00	VL040576.D
02232023T13:12:00	VL040329.D	0.3	04102023T17:39:00	VL040349.D	0.347	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.29	04102023T17:39:00	VL040349.D	0.291	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.37	04102023T17:39:00	VL040349.D	0.391	04122023T23:23:00	VL040559.D
02232023T15:04:00	VL040332.D	0.029	04102023T19:33:00	VL040346.D	0.028	04122023T19:50:00	VL040576.D
02232023T13:12:00	VL040329.D	0.45	04102023T17:39:00	VL040349.D	0.47	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.37	04102023T17:39:00	VL040349.D	0.58	04122023T23:23:00	VL040559.D
02232023T15:04:00	VL040332.D	0.024	04102023T19:33:00	VL040346.D	0.029	04122023T19:50:00	VL040576.D

Concentration13	Adate13	Datafile14	Concentration14	Adate14	Datafile15	Concentration15	Adate15
0.48	07272023T03:27:00	VL040579.D	0.42	07312023T19:20:00	VL040747.D	0.488	10042023T19:33:00
0.03	07312023T17:18:00	VL040581.D	0.031	07312023T20:41:00	VL040772.D	0.035	10122023T01:48:00
0.031	07312023T17:18:00	VL040581.D	0.026	07312023T20:41:00	VL040772.D	0.029	10122023T01:48:00
0.459	07272023T03:27:00	VL040579.D	0.36	07312023T19:20:00	VL040747.D	0.405	10042023T19:33:00
0.573	07272023T03:27:00	VL040579.D	0.5	07312023T19:20:00	VL040747.D	0.557	10042023T19:33:00
0.535	07272023T03:27:00	VL040579.D	0.43	07312023T19:20:00	VL040747.D	0.527	10042023T19:33:00
0.527	07272023T03:27:00	VL040579.D	0.42	07312023T19:20:00	VL040747.D	0.481	10042023T19:33:00
0.33	07272023T03:27:00	VL040579.D	0.23	07312023T19:20:00	VL040747.D	0.305	10042023T19:33:00
0.389	07272023T03:27:00	VL040579.D	0.3	07312023T19:20:00	VL040747.D	0.361	10042023T19:33:00
0.425	07272023T03:27:00	VL040579.D	0.32	07312023T19:20:00	VL040747.D	0.359	10042023T19:33:00
0.442	07272023T03:27:00	VL040579.D	0.36	07312023T19:20:00	VL040747.D	0.45	10042023T19:33:00
0.519	07272023T03:27:00	VL040579.D	0.41	07312023T19:20:00	VL040747.D	0.426	10042023T19:33:00
0.452	07272023T03:27:00	VL040579.D	0.36	07312023T19:20:00	VL040747.D	0.42	10042023T19:33:00
0.33	07272023T03:27:00	VL040579.D	0.26	07312023T19:20:00	VL040747.D	0.321	10042023T19:33:00
0.412	07272023T03:27:00	VL040579.D	0.41	07312023T19:20:00	VL040747.D	0.466	10042023T19:33:00
0.388	07272023T03:27:00	VL040579.D	0.33	07312023T19:20:00	VL040747.D	0.412	10042023T19:33:00
0.438	07272023T03:27:00	VL040579.D	0.36	07312023T19:20:00	VL040747.D	0.382	10042023T19:33:00
0.373	07272023T03:27:00	VL040579.D	0.29	07312023T19:20:00	VL040747.D	0.257	10042023T19:33:00
0.398	07272023T03:27:00	VL040579.D	0.27	07312023T19:20:00	VL040747.D	0.335	10042023T19:33:00
0.448	07272023T03:27:00	VL040579.D	0.37	07312023T19:20:00	VL040747.D	0.443	10042023T19:33:00
0.35	07272023T03:27:00	VL040579.D	0.27	07312023T19:20:00	VL040747.D	0.325	10042023T19:33:00
0.303	07272023T03:27:00	VL040579.D	0.22	07312023T19:20:00	VL040747.D	0.283	10042023T19:33:00
0.32	07272023T03:27:00	VL040579.D	0.23	07312023T19:20:00	VL040747.D	0.317	10042023T19:33:00
0.348	07272023T03:27:00	VL040579.D	0.27	07312023T19:20:00	VL040747.D	0.302	10042023T19:33:00
0.674	07272023T03:27:00	VL040579.D	0.48	07312023T19:20:00	VL040747.D	0.65	10042023T19:33:00
0.436	07272023T03:27:00	VL040579.D	0.37	07312023T19:20:00	VL040747.D	0.511	10042023T19:33:00
0.397	07272023T03:27:00	VL040579.D	0.3	07312023T19:20:00	VL040747.D	0.386	10042023T19:33:00
0.425	07272023T03:27:00	VL040579.D	0.34	07312023T19:20:00	VL040747.D	0.307	10042023T19:33:00
0.467	07272023T03:27:00	VL040579.D	0.4	07312023T19:20:00	VL040747.D	0.409	10042023T19:33:00
0.508	07272023T03:27:00	VL040579.D	0.42	07312023T19:20:00	VL040747.D	0.506	10042023T19:33:00
0.352	07272023T03:27:00	VL040579.D	0.33	07312023T19:20:00	VL040747.D	0.349	10042023T19:33:00
0.543	07272023T03:27:00	VL040579.D	0.46	07312023T19:20:00	VL040747.D	0.496	10042023T19:33:00
0.46	07272023T03:27:00	VL040579.D	0.42	07312023T19:20:00	VL040747.D	0.477	10042023T19:33:00
0.036	07312023T17:18:00	VL040581.D	0.033	07312023T20:41:00	VL040772.D	0.031	10122023T01:48:00
0.481	07272023T03:27:00	VL040579.D	0.38	07312023T19:20:00	VL040747.D	0.489	10042023T19:33:00
0.526	07272023T03:27:00	VL040579.D	0.45	07312023T19:20:00	VL040747.D	0.55	10042023T19:33:00
0.516	07272023T03:27:00	VL040579.D	0.43	07312023T19:20:00	VL040747.D	0.576	10042023T19:33:00
0.521	07272023T03:27:00	VL040579.D	0.41	07312023T19:20:00	VL040747.D	0.501	10042023T19:33:00
0.486	07272023T03:27:00	VL040579.D	0.39	07312023T19:20:00	VL040747.D	0.544	10042023T19:33:00
0.405	07272023T03:27:00	VL040579.D	0.32	07312023T19:20:00	VL040747.D	0.431	10042023T19:33:00
0.295	07272023T03:27:00	VL040579.D	0.25	07312023T19:20:00	VL040747.D	0.298	10042023T19:33:00
0.301	07272023T03:27:00	VL040579.D	0.21	07312023T19:20:00	VL040747.D	0.317	10042023T19:33:00
0.403	07272023T03:27:00	VL040579.D	0.35	07312023T19:20:00	VL040747.D	0.381	10042023T19:33:00
0.54	07272023T03:27:00	VL040579.D	0.47	07312023T19:20:00	VL040747.D	0.562	10042023T19:33:00
0.516	07272023T03:27:00	VL040579.D	0.46	07312023T19:20:00	VL040747.D	0.509	10042023T19:33:00
0.424	07272023T03:27:00	VL040579.D	0.34	07312023T19:20:00	VL040747.D	0.441	10042023T19:33:00
0.32	07272023T03:27:00	VL040579.D	0.21	07312023T19:20:00	VL040747.D	0.299	10042023T19:33:00
0.341	07272023T03:27:00	VL040579.D	0.25	07312023T19:20:00	VL040747.D	0.355	10042023T19:33:00
0.466	07272023T03:27:00	VL040579.D	0.37	07312023T19:20:00	VL040747.D	0.479	10042023T19:33:00
0.38	07272023T03:27:00	VL040579.D	0.31	07312023T19:20:00	VL040747.D	0.465	10042023T19:33:00
0.451	07272023T03:27:00	VL040579.D	0.43	07312023T19:20:00	VL040747.D	0.426	10042023T19:33:00
0.379	07272023T03:27:00	VL040579.D	0.29	07312023T19:20:00	VL040747.D	0.386	10042023T19:33:00
0.735	07272023T03:27:00	VL040579.D	0.54	07312023T19:20:00	VL040747.D	0.682	10042023T19:33:00
0.283	07272023T03:27:00	VL040579.D	0.23	07312023T19:20:00	VL040747.D	0.324	10042023T19:33:00
0.468	07272023T03:27:00	VL040579.D	0.38	07312023T19:20:00	VL040747.D	0.472	10042023T19:33:00
0.619	07272023T03:27:00	VL040579.D	0.62	07312023T19:20:00	VL040747.D	0.625	10042023T19:33:00
0.274	07272023T03:27:00	VL040579.D	0.19	07312023T19:20:00	VL040747.D	0.258	10042023T19:33:00
0.107	07272023T03:27:00	VL040579.D	0.06	07312023T19:20:00	VL040747.D	0.133	10042023T19:33:00
0.361	07272023T03:27:00	VL040579.D	0.27	07312023T19:20:00	VL040747.D	0.343	10042023T19:33:00
0.355	07272023T03:27:00	VL040579.D	0.27	07312023T19:20:00	VL040747.D	0.369	10042023T19:33:00
0.355	07272023T03:27:00	VL040579.D	0.26	07312023T19:20:00	VL040747.D	0.301	10042023T19:33:00
0.357	07272023T03:27:00	VL040579.D	0.26	07312023T19:20:00	VL040747.D	0.313	10042023T19:33:00
0.436	07272023T03:27:00	VL040579.D	0.34	07312023T19:20:00	VL040747.D	0.471	10042023T19:33:00
0.393	07272023T03:27:00	VL040579.D	0.29	07312023T19:20:00	VL040747.D	0.354	10042023T19:33:00
0.242	07272023T03:27:00	VL040579.D	0.17	07312023T19:20:00	VL040747.D	0.266	10042023T19:33:00
0.283	07272023T03:27:00	VL040579.D	0.23	07312023T19:20:00	VL040747.D	0.312	10042023T19:33:00
0.539	07272023T03:27:00	VL040579.D	0.43	07312023T19:20:00	VL040747.D	0.394	10042023T19:33:00
0.366	07272023T03:27:00	VL040579.D	0.28	07312023T19:20:00	VL040747.D	0.381	10042023T19:33:00
0.025	07312023T17:18:00	VL040581.D	0.028	07312023T20:41:00	VL040772.D	0.044	10122023T01:48:00
0.353	07272023T03:27:00	VL040579.D	0.26	07312023T19:20:00	VL040747.D	0.351	10042023T19:33:00
0.285	07272023T03:27:00	VL040579.D	0.2	07312023T19:20:00	VL040747.D	0.288	10042023T19:33:00
0.477	07272023T03:27:00	VL040579.D	0.4	07312023T19:20:00	VL040747.D	0.507	10042023T19:33:00
0.027	07312023T17:18:00	VL040581.D	0.027	07312023T20:41:00	VL040772.D	0.039	10122023T01:48:00
0.589	07272023T03:27:00	VL040579.D	0.52	07312023T19:20:00	VL040747.D	0.561	10042023T19:33:00
0.487	07272023T03:27:00	VL040579.D	0.46	07312023T19:20:00	VL040747.D	0.456	10042023T19:33:00
0.03	07312023T17:18:00	VL040581.D	0.033	07312023T20:41:00	VL040772.D	0.041	10122023T01:48:00

Datafile16	Concentration16	Adate16	Department	AVG Concentration	Recovery
VL040805.D	0.428	10252023T18:12:00	VOC	0.45	110
VL040787.D	0.04	10232023T20:32:00	VOC	0.032	110
VL040787.D	0.04	10232023T20:32:00	VOC	0.03	100
VL040805.D	0.471	10252023T18:12:00	VOC	0.42	110
VL040805.D	0.476	10252023T18:12:00	VOC	0.48	120
VL040805.D	0.427	10252023T18:12:00	VOC	0.46	110
VL040805.D	0.47	10252023T18:12:00	VOC	0.45	110
VL040805.D	0.288	10252023T18:12:00	VOC	0.31	79
VL040805.D	0.435	10252023T18:12:00	VOC	0.37	93
VL040805.D	0.433	10252023T18:12:00	VOC	0.38	95
VL040805.D	0.405	10252023T18:12:00	VOC	0.41	100
VL040805.D	0.501	10252023T18:12:00	VOC	0.44	110
VL040805.D	0.456	10252023T18:12:00	VOC	0.42	100
VL040805.D	0.403	10252023T18:12:00	VOC	0.35	87
VL040805.D	0.455	10252023T18:12:00	VOC	0.44	110
VL040805.D	0.412	10252023T18:12:00	VOC	0.4	100
VL040805.D	0.414	10252023T18:12:00	VOC	0.4	100
VL040805.D	0.486	10252023T18:12:00	VOC	0.38	96
VL040805.D	0.434	10252023T18:12:00	VOC	0.37	93
VL040805.D	0.467	10252023T18:12:00	VOC	0.42	100
VL040805.D	0.42	10252023T18:12:00	VOC	0.35	88
VL040805.D	0.353	10252023T18:12:00	VOC	0.3	75
VL040805.D	0.397	10252023T18:12:00	VOC	0.34	84
VL040805.D	0.403	10252023T18:12:00	VOC	0.34	84
VL040805.D	0.576	10252023T18:12:00	VOC	0.53	130
VL040805.D	0.422	10252023T18:12:00	VOC	0.43	110
VL040805.D	0.445	10252023T18:12:00	VOC	0.38	96
VL040805.D	0.205	10252023T18:12:00	VOC	0.36	91
VL040805.D	0.458	10252023T18:12:00	VOC	0.4	100
VL040805.D	0.436	10252023T18:12:00	VOC	0.44	110
VL040805.D	0.34	10252023T18:12:00	VOC	0.33	82
VL040805.D	0.508	10252023T18:12:00	VOC	0.47	120
VL040805.D	0.361	10252023T18:12:00	VOC	0.38	95
VL040787.D	0.04	10232023T20:32:00	VOC	0.031	100
VL040805.D	0.454	10252023T18:12:00	VOC	0.45	110
VL040805.D	0.517	10252023T18:12:00	VOC	0.48	120
VL040805.D	0.435	10252023T18:12:00	VOC	0.47	120
VL040805.D	0.487	10252023T18:12:00	VOC	0.45	110
VL040805.D	0.458	10252023T18:12:00	VOC	0.46	120
VL040805.D	0.435	10252023T18:12:00	VOC	0.4	99
VL040805.D	0.335	10252023T18:12:00	VOC	0.3	75
VL040805.D	0.416	10252023T18:12:00	VOC	0.39	96
VL040805.D	0.384	10252023T18:12:00	VOC	0.36	89
VL040805.D	0.516	10252023T18:12:00	VOC	0.54	140
VL040805.D	0.505	10252023T18:12:00	VOC	0.48	120
VL040805.D	0.404	10252023T18:12:00	VOC	0.4	100
VL040805.D	0.406	10252023T18:12:00	VOC	0.33	82
VL040805.D	0.404	10252023T18:12:00	VOC	0.35	88
VL040805.D	0.446	10252023T18:12:00	VOC	0.45	110
VL040805.D	0.452	10252023T18:12:00	VOC	0.4	100
VL040805.D	0.442	10252023T18:12:00	VOC	0.45	110
VL040805.D	0.435	10252023T18:12:00	VOC	0.38	96
VL040805.D	0.888	10252023T18:12:00	VOC	0.72	180
VL040805.D	0.348	10252023T18:12:00	VOC	0.32	80
VL040805.D	0.353	10252023T18:12:00	VOC	0.41	100
VL040805.D	0.619	10252023T18:12:00	VOC	0.56	140
VL040805.D	0.226	10252023T18:12:00	VOC	0.27	66
VL040805.D	0	10252023T18:12:00	VOC	0.14	35
VL040805.D	0.415	10252023T18:12:00	VOC	0.35	88
VL040805.D	0.389	10252023T18:12:00	VOC	0.35	89
VL040805.D	0.439	10252023T18:12:00	VOC	0.35	87
VL040805.D	0.381	10252023T18:12:00	VOC	0.34	85
VL040805.D	0.467	10252023T18:12:00	VOC	0.46	110
VL040805.D	0.449	10252023T18:12:00	VOC	0.37	93
VL040805.D	0.35	10252023T18:12:00	VOC	0.27	67
VL040805.D	0.291	10252023T18:12:00	VOC	0.28	70
VL040805.D	0.37	10252023T18:12:00	VOC	0.45	110
VL040805.D	0.427	10252023T18:12:00	VOC	0.37	92
VL040787.D	0.04	10232023T20:32:00	VOC	0.032	110
VL040805.D	0.416	10252023T18:12:00	VOC	0.35	88
VL040805.D	0.38	10252023T18:12:00	VOC	0.31	78
VL040805.D	0.435	10252023T18:12:00	VOC	0.43	110
VL040787.D	0.05	10232023T20:32:00	VOC	0.033	110
VL040805.D	0.506	10252023T18:12:00	VOC	0.48	120
VL040805.D	0.341	10252023T18:12:00	VOC	0.43	110
VL040787.D	0.04	10232023T20:32:00	VOC	0.033	110
			VOC	0.544	136



QC SUMMARY

Surrogate Summary

SDG No.: P4633

Client: Chemtech Consulting Group

Analytical Method: SWTO-15

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
P4633-01	E070-1100	1-Bromo-4-Fluorobenzene	10	10.6	106	65	135
P4633-01DL	E070-1100DL	1-Bromo-4-Fluorobenzene	10	11.0	110	65	135
P4633-01DL2	E070-1100DL2	1-Bromo-4-Fluorobenzene	10	10.6	106	65	135
P4911-02DUP	IA1DUP	1-Bromo-4-Fluorobenzene	10	9.80	98	65	135
VL1120ABL01	VL1120ABL01	1-Bromo-4-Fluorobenzene	10	9.90	99	65	135
VL1120ABS01	VL1120ABS01	1-Bromo-4-Fluorobenzene	10	9.77	98	65	135
VL1121ABL01	VL1121ABL01	1-Bromo-4-Fluorobenzene	10	9.79	98	65	135
VL1121ABS01	VL1121ABS01	1-Bromo-4-Fluorobenzene	10	10.4	104	65	135

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4633

Client: Chemtech Consulting Group

Analytical Method: SWTO-15

Datafile : VL041699.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VL1120ABS01	Chlorodifluoromethane	10	8.90	ppbv	89			70	130	
	Dichlorodifluoromethane	10	7.30	ppbv	73			70	130	
	Ethanol	10	8.90	ppbv	89			70	130	
	Chloromethane	10	9.30	ppbv	93			70	130	
	Vinyl Chloride	10	10.0	ppbv	100			70	130	
	Ethyl Acetate	10	9.50	ppbv	95			70	130	
	Bromomethane	10	9.50	ppbv	95			70	130	
	Chloroethane	10	9.20	ppbv	92			70	130	
	Tetrahydrofuran	10	10.3	ppbv	103			70	130	
	Trichlorofluoromethane	10	9.40	ppbv	94			70	130	
	1,1,2-Trichlorotrifluoroethane	10	9.40	ppbv	94			70	130	
	Dichlorotetrafluoroethane	10	9.00	ppbv	90			70	130	
	Bromoethene	10	9.40	ppbv	94			70	130	
	tert-Butyl Alcohol	10	9.50	ppbv	95			70	130	
	Propene	10	9.00	ppbv	90			70	130	
	Heptane	10	10.3	ppbv	103			70	130	
	Isopropyl Alcohol	10	9.10	ppbv	91			70	130	
	1,1-Dichloroethene	10	9.50	ppbv	95			70	130	
	Acetone	10	9.10	ppbv	91			70	130	
	Carbon disulfide	10	10.7	ppbv	107			70	130	
	Methyl tert-butyl Ether	10	8.80	ppbv	88			70	130	
	Methylene Chloride	10	8.90	ppbv	89			70	130	
	trans-1,2-Dichloroethene	10	9.50	ppbv	95			70	130	
	Vinyl Acetate	10	9.20	ppbv	92			70	130	
	1,1-Dichloroethane	10	9.30	ppbv	93			70	130	
	Cyclohexane	10	9.80	ppbv	98			70	130	
	2-Butanone	10	9.30	ppbv	93			70	130	
	Carbon Tetrachloride	10	10.7	ppbv	107			70	130	
	cis-1,2-Dichloroethene	10	9.80	ppbv	98			70	130	
	Chloroform	10	9.40	ppbv	94			70	130	
	1,1,1-Trichloroethane	10	10.1	ppbv	101			70	130	
	2,2,4-Trimethylpentane	10	10.0	ppbv	100			70	130	
	Benzene	10	10.0	ppbv	100			70	130	
	1,2-Dichloroethane	10	9.70	ppbv	97			70	130	
	Trichloroethene	10	10.6	ppbv	106			70	130	
	1,2-Dichloropropane	10	9.80	ppbv	98			70	130	
	Bromodichloromethane	10	10.2	ppbv	102			70	130	
	4-Methyl-2-Pentanone	10	10.5	ppbv	105			70	130	
	Toluene	10	11.0	ppbv	110			70	130	
	t-1,3-Dichloropropene	10	11.4	ppbv	114			70	130	
	cis-1,3-Dichloropropene	10	11.1	ppbv	111			70	130	
	1,1,2-Trichloroethane	10	9.80	ppbv	98			70	130	
	2-Hexanone	10	11.2	ppbv	112			70	130	
	Dibromochloromethane	10	10.6	ppbv	106			70	130	
	1,2-Dibromoethane	10	11.2	ppbv	112			70	130	
	Tetrachloroethene	10	10.9	ppbv	109			70	130	
	Chlorobenzene	10	9.30	ppbv	93			70	130	
	Ethyl Benzene	10	10.7	ppbv	107			70	130	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4633

Client: Chemtech Consulting Group

Analytical Method: SWTO-15

Datafile : VL041699.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VL1120ABS01	m/p-Xylene	20	20.5	ppbv	103			70	130	
	o-Xylene	10	10.3	ppbv	103			70	130	
	Styrene	10	12.0	ppbv	120			70	130	
	Bromoform	10	11.1	ppbv	111			70	130	
	Isopropylbenzene	10	9.90	ppbv	99			70	130	
	1,1,2,2-Tetrachloroethane	10	9.80	ppbv	98			70	130	
	2-Chlorotoluene	10	10.4	ppbv	104			70	130	
	1,3,5-Trimethylbenzene	10	10.5	ppbv	105			70	130	
	1,2,4-Trimethylbenzene	10	10.0	ppbv	100			70	130	
	1,3-Dichlorobenzene	10	9.90	ppbv	99			70	130	
	1,4-Dichlorobenzene	10	9.90	ppbv	99			70	130	
	1,2-Dichlorobenzene	10	9.80	ppbv	98			70	130	
	1,2,4-Trichlorobenzene	10	10.5	ppbv	105			70	130	
	Hexachloro-1,3-butadiene	10	8.30	ppbv	83			70	130	
	Naphthalene	10	13.1	ppbv	131		*	70	130	
	1,3-Butadiene	10	9.90	ppbv	99			70	130	
	4-Ethyltoluene	10	10.8	ppbv	108			70	130	
	Hexane	10	9.70	ppbv	97			70	130	
	Allyl Chloride	10	9.90	ppbv	99			70	130	
	1,4-Dioxane	10	10.6	ppbv	106			70	130	
	Benzyl Chloride	10	11.2	ppbv	112			70	130	
	Methyl methacrylate	10	10.9	ppbv	109			70	130	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4633

Client: Chemtech Consulting Group

Analytical Method: SWTO-15

Datafile : VL041713.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VL1121ABS01	Chlorodifluoromethane	10	8.70	ppbv	87			70	130	
	Dichlorodifluoromethane	10	7.90	ppbv	79			70	130	
	Ethanol	10	5.00	ppbv	50		*	70	130	
	Chloromethane	10	9.10	ppbv	91			70	130	
	Vinyl Chloride	10	9.70	ppbv	97			70	130	
	Ethyl Acetate	10	9.30	ppbv	93			70	130	
	Bromomethane	10	8.10	ppbv	81			70	130	
	Chloroethane	10	9.20	ppbv	92			70	130	
	Tetrahydrofuran	10	10.4	ppbv	104			70	130	
	Trichlorofluoromethane	10	9.20	ppbv	92			70	130	
	1,1,2-Trichlorotrifluoroethane	10	9.40	ppbv	94			70	130	
	Dichlorotetrafluoroethane	10	9.00	ppbv	90			70	130	
	Bromoethene	10	9.30	ppbv	93			70	130	
	tert-Butyl Alcohol	10	9.40	ppbv	94			70	130	
	Propene	10	9.10	ppbv	91			70	130	
	Heptane	10	10.1	ppbv	101			70	130	
	Isopropyl Alcohol	10	9.40	ppbv	94			70	130	
	1,1-Dichloroethene	10	9.40	ppbv	94			70	130	
	Acetone	10	8.80	ppbv	88			70	130	
	Carbon disulfide	10	10.6	ppbv	106			70	130	
	Methyl tert-butyl Ether	10	9.40	ppbv	94			70	130	
	Methylene Chloride	10	8.70	ppbv	87			70	130	
	trans-1,2-Dichloroethene	10	9.50	ppbv	95			70	130	
	Vinyl Acetate	10	12.3	ppbv	123			70	130	
	1,1-Dichloroethane	10	9.30	ppbv	93			70	130	
	Cyclohexane	10	9.60	ppbv	96			70	130	
	2-Butanone	10	9.00	ppbv	90			70	130	
	Carbon Tetrachloride	10	10.4	ppbv	104			70	130	
	cis-1,2-Dichloroethene	10	9.80	ppbv	98			70	130	
	Chloroform	10	9.20	ppbv	92			70	130	
	1,1,1-Trichloroethane	10	10.0	ppbv	100			70	130	
	2,2,4-Trimethylpentane	10	9.80	ppbv	98			70	130	
	Benzene	10	9.80	ppbv	98			70	130	
	1,2-Dichloroethane	10	9.70	ppbv	97			70	130	
	Trichloroethene	10	14.3	ppbv	143		*	70	130	
	1,2-Dichloropropane	10	9.60	ppbv	96			70	130	
	Bromodichloromethane	10	10.0	ppbv	100			70	130	
	4-Methyl-2-Pentanone	10	10.4	ppbv	104			70	130	
	Toluene	10	10.7	ppbv	107			70	130	
	t-1,3-Dichloropropene	10	9.90	ppbv	99			70	130	
	cis-1,3-Dichloropropene	10	10.2	ppbv	102			70	130	
	1,1,2-Trichloroethane	10	9.50	ppbv	95			70	130	
	2-Hexanone	10	11.2	ppbv	112			70	130	
	Dibromochloromethane	10	10.2	ppbv	102			70	130	
	1,2-Dibromoethane	10	10.6	ppbv	106			70	130	
	Tetrachloroethene	10	10.4	ppbv	104			70	130	
	Chlorobenzene	10	9.70	ppbv	97			70	130	
	Ethyl Benzene	10	11.3	ppbv	113			70	130	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4633

Client: Chemtech Consulting Group

Analytical Method: SWTO-15

Datafile : VL041713.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VL1121ABS01	m/p-Xylene	20	21.4	ppbv	107			70	130	
	o-Xylene	10	11.0	ppbv	110			70	130	
	Styrene	10	12.6	ppbv	126			70	130	
	Bromoform	10	10.5	ppbv	105			70	130	
	Isopropylbenzene	10	10.2	ppbv	102			70	130	
	1,1,2,2-Tetrachloroethane	10	5.90	ppbv	59	*		70	130	
	2-Chlorotoluene	10	10.7	ppbv	107			70	130	
	1,3,5-Trimethylbenzene	10	10.9	ppbv	109			70	130	
	1,2,4-Trimethylbenzene	10	10.4	ppbv	104			70	130	
	1,3-Dichlorobenzene	10	10.2	ppbv	102			70	130	
	1,4-Dichlorobenzene	10	10.4	ppbv	104			70	130	
	1,2-Dichlorobenzene	10	10.0	ppbv	100			70	130	
	1,2,4-Trichlorobenzene	10	11.0	ppbv	110			70	130	
	Hexachloro-1,3-butadiene	10	8.80	ppbv	88			70	130	
	Naphthalene	10	13.3	ppbv	133	*		70	130	
	1,3-Butadiene	10	9.80	ppbv	98			70	130	
	4-Ethyltoluene	10	11.2	ppbv	112			70	130	
	Hexane	10	9.60	ppbv	96			70	130	
	Allyl Chloride	10	9.70	ppbv	97			70	130	
	1,4-Dioxane	10	10.9	ppbv	109			70	130	
	Benzyl Chloride	10	6.20	ppbv	62	*		70	130	
	Methyl methacrylate	10	10.9	ppbv	109			70	130	

Duplicate Sample Summary

Lab Sample Id :	P4911-02DUP	P4911-02
Client Id :	IA1DUP	IA1
DF :	1	1
Datafile :	VL041706.D	VL041705.D
Anal Date & Time :	11/20/2024 19:15	11/20/2024 18:35

Parameter	Result	Result	RPD
1,1,1-Trichloroethane	0	0	0
1,1,2,2-Tetrachloroethane	0	0	0
1,1,2-Trichloroethane	0	0	0
1,1,2-Trichlorotrifluoroethane	0	0	0
1,1-Dichloroethane	0	0	0
1,1-Dichloroethene	0	0	0
1,2,4-Trichlorobenzene	0	0	0
1,2,4-Trimethylbenzene	0	0	0
1,2-Dibromoethane	0	0	0
1,2-Dichlorobenzene	0	0	0
1,2-Dichloroethane	0	0	0
1,2-Dichloropropane	0	0	0
1,3,5-Trimethylbenzene	0	0	0
1,3-Butadiene	0	0	0
1,3-Dichlorobenzene	0	0	0
1,4-Dichlorobenzene	0	0	0
1,4-Dioxane	0	0	0
2,2,4-Trimethylpentane	0	0	0
2-Butanone	0.42	0.39	7.4
2-Chlorotoluene	0	0	0
2-Hexanone	0	0	0
4-Ethyltoluene	0	0	0
4-Methyl-2-Pentanone	0	0	0
Acetone	8.2	7.7	6.3
Allyl Chloride	0	0	0
Benzene	0.38	0.36	5.4
Benzyl Chloride	0	0	0
Bromodichloromethane	0	0	0
Bromoethene	0	0	0
Bromoform	0	0	0

Duplicate Sample Summary

Lab Sample Id :	P4911-02DUP	P4911-02
Client Id :	IA1DUP	IA1
DF :	1	1
Datafile :	VL041706.D	VL041705.D
Anal Date & Time :	11/20/2024 19:15	11/20/2024 18:35

Parameter	Result	Result	RPD
Bromomethane	0	0	0
Carbon Disulfide	0	0	0
Carbon Tetrachloride	0.06	0.06	0
Chlorobenzene	0	0	0
Chlorodifluoromethane	0.31	0.33	6.3
Chloroethane	0	0	0
Chloroform	0	0	0
Chloromethane	0.5	0.46	8.3
cis-1,2-Dichloroethene	0	0	0
cis-1,3-Dichloropropene	0	0	0
Cyclohexane	0	0	0
Dibromochloromethane	0	0	0
Dichlorodifluoromethane	0.77	0.64	18.4
Dichlorotetrafluoroethane	0	0	0
Ethanol	310	300	3.3
Ethyl Acetate	0	0	0
Ethyl Benzene	0	0	0
Heptane	0	0	0
Hexachloro-1,3-Butadiene	0	0	0
Hexane	1.1	0.99	10.5
Isopropyl Alcohol	16.4	16.2	1.2
Isopropylbenzene	0.12	0.13	8
m/p-Xylene	0.17	0	200 *
Methyl Methacrylate	0	0	0
Methyl tert-Butyl Ether	0	0	0
Methylene Chloride	2.3	2.1	9.1
Naphthalene	0	0	0
o-Xylene	0	0	0
Propene	1.8	1.6	11.8
Styrene	0	0	0
t-1,3-Dichloropropene	0	0	0

Duplicate Sample Summary

Lab Sample Id :	P4911-02DUP	P4911-02
Client Id :	IA1DUP	IA1
DF :	1	1
Datafile :	VL041706.D	VL041705.D
Anal Date & Time :	11/20/2024 19:15	11/20/2024 18:35

Parameter	Result	Result	RPD
tert-Butyl alcohol	0	0	0
Tetrachloroethene	0.03	0.03	0
Tetrahydrofuran	0	0	0
Toluene	0.43	0.41	4.8
trans-1,2-Dichloroethene	0	0	0
Trichloroethene	0	0	0
Trichlorofluoromethane	0.23	0.21	9.1
Vinyl Acetate	0	0	0
Vinyl Chloride	0	0	0

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VL1120ABL01

Lab Name: CHEMTECH

Contract: CHEM02

Lab Code: CHEM Case No.: P4633

SAS No.: P4633 SDG NO.: P4633

Lab File ID: VL041698.D

Lab Sample ID: VL1120ABL01

Date Analyzed: 11/20/2024

Time Analyzed: 12:36

GC Column: RTX-1 ID: 0.32 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA_L

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VL1120ABS01	VL1120ABS01	VL041699.D	11/20/2024
E070-1100	P4633-01	VL041701.D	11/20/2024
IA1DUP	P4911-02DUP	VL041706.D	11/20/2024

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VL1121ABL01

Lab Name: CHEMTECH

Contract: CHEM02

Lab Code: CHEM Case No.: P4633

SAS No.: P4633 SDG NO.: P4633

Lab File ID: VL041712.D

Lab Sample ID: VL1121ABL01

Date Analyzed: 11/21/2024

Time Analyzed: 09:38

GC Column: RTX-1 ID: 0.32 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA_L

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VL1121ABS01	VL1121ABS01	VL041713.D	11/21/2024
E070-1100DL	P4633-01DL	VL041714.D	11/21/2024
E070-1100DL2	P4633-01DL2	VL041715.D	11/21/2024

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CHEM02
Lab Code: CHEM Case No.: P4633 SAS No.: P4633 SDG NO.: P4633
Lab File ID: VL041672.D BFB Injection Date: 11/07/2024
Instrument ID: MSVOA_L BFB Injection Time: 08:58
GC Column: RTX-1 ID: 0.32 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	24.6
75	30.0 - 66.0% of mass 95	56.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 120.0% of mass 95	67.4
175	4.0 - 9.0% of mass 174	5.1 (7.5) 1
176	93.0 - 101.0% of mass 174	64.3 (95.3) 1
177	5.0 - 9.0% of mass 176	4.1 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICCC010	VSTDICCC010	VL041674.D	11/07/2024	10:15
VSTDICCC002	VSTDICCC002	VL041675.D	11/07/2024	10:55
VSTDICCC001	VSTDICCC001	VL041676.D	11/07/2024	11:34
VSTDICCC0.5	VSTDICCC0.5	VL041677.D	11/07/2024	12:13
VSTDICCC0.1	VSTDICCC0.1	VL041678.D	11/07/2024	12:52
VSTDICCC0.03	VSTDICCC0.03	VL041679.D	11/07/2024	13:31
VSTDICCC015	VSTDICCC015	VL041680.D	11/07/2024	14:12

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CHEM02
Lab Code: CHEM Case No.: P4633 SAS No.: P4633 SDG NO.: P4633
Lab File ID: VL041696.D BFB Injection Date: 11/20/2024
Instrument ID: MSVOA_L BFB Injection Time: 07:31
GC Column: RTX-1 ID: 0.32 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	24.4
75	30.0 - 66.0% of mass 95	55.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.2 (0.3) 1
174	50.0 - 120.0% of mass 95	67.2
175	4.0 - 9.0% of mass 174	5.3 (7.9) 1
176	93.0 - 101.0% of mass 174	64.9 (96.5) 1
177	5.0 - 9.0% of mass 176	4.4 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC010	VSTDCCC010	VL041697.D	11/20/2024	08:09
VL1120ABL01	VL1120ABL01	VL041698.D	11/20/2024	12:36
VL1120ABS01	VL1120ABS01	VL041699.D	11/20/2024	13:15
E070-1100	P4633-01	VL041701.D	11/20/2024	15:54
IA1DUP	P4911-02DUP	VL041706.D	11/20/2024	19:15

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CHEM02
Lab Code: CHEM Case No.: P4633 SAS No.: P4633 SDG NO.: P4633
Lab File ID: VL041710.D BFB Injection Date: 11/21/2024
Instrument ID: MSVOA_L BFB Injection Time: 08:12
GC Column: RTX-1 ID: 0.32 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	24.7
75	30.0 - 66.0% of mass 95	56.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.4 (0.6) 1
174	50.0 - 120.0% of mass 95	68.4
175	4.0 - 9.0% of mass 174	5 (7.3) 1
176	93.0 - 101.0% of mass 174	66.2 (96.8) 1
177	5.0 - 9.0% of mass 176	4.3 (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
VSTDCCC010	VSTDCCC010	VL041711.D	11/21/2024	08:50
VL1121ABL01	VL1121ABL01	VL041712.D	11/21/2024	09:38
VL1121ABS01	VL1121ABS01	VL041713.D	11/21/2024	10:16
E070-1100DL	P4633-01DL	VL041714.D	11/21/2024	14:12
E070-1100DL2	P4633-01DL2	VL041715.D	11/21/2024	15:06

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CHEM02
Lab Code: CHEM Case No.: P4633 SAS No.: P4633 SDG NO.: P4633
Lab File ID: VL041697.D Date Analyzed: 11/20/2024
Instrument ID: MSVOA_L Time Analyzed: 08:09
GC Column: RTX-1 ID: 0.32 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	1123470	5.21	3154540	6.67	3148630	11.48
UPPER LIMIT	1572850	5.54	4416350	7.00	4408080	11.81
LOWER LIMIT	674080	4.88	1892720	6.34	1889180	11.15
EPA SAMPLE NO.						
E070-1100	995553	5.21	2742439	6.67	2469424	11.48
IA1DUP	985172	5.21	2701411	6.67	2316943	11.49
VL1120ABL01	1071128	5.21	3057945	6.67	2649975	11.48
VL1120ABS01	1163679	5.21	3239097	6.67	3236609	11.48

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

AREA UPPER LIMIT = +40% of internal standard area
AREA LOWER LIMIT = -40% of internal standard area
RT UPPER LIMIT = +0.33 minutes of internal standard RT
RT LOWER LIMIT = -0.33 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.: P4633 SAS No.: P4633 SDG NO.: P4633
 Lab File ID: VL041711.D Date Analyzed: 11/21/2024
 Instrument ID: MSVOA_L Time Analyzed: 08:50
 GC Column: RTX-1 ID: 0.32 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	1173710	5.22	3217570	6.68	2996510	11.50
UPPER LIMIT	1643200	5.55	4504590	7.01	4195110	11.83
LOWER LIMIT	704228	4.89	1930540	6.35	1797900	11.17
EPA SAMPLE NO.						
E070-1100DL	1043249	5.23	2930669	6.69	2692925	11.50
E070-1100DL2	1063727	5.23	2922287	6.69	2654968	11.50
VL1121ABL01	1172035	5.22	3184705	6.68	2717854	11.50
VL1121ABS01	1134955	5.23	3168983	6.69	2890162	11.50

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

AREA UPPER LIMIT = +40% of internal standard area
 AREA LOWER LIMIT = -40% of internal standard area
 RT UPPER LIMIT = +0.33 minutes of internal standard RT
 RT LOWER LIMIT = -0.33 minutes of internal standard RT

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



SAMPLE DATA

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/25/24
Project:	NJ Air PT	Date Received:	10/30/24
Client Sample ID:	E070-1100	SDG No.:	P4633
Lab Sample ID:	P4633-01	Matrix:	Air
Analytical Method:	TO-15	Test:	VOCMS Group3
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL041701.D	1		11/20/24 15:54	VL112024

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-45-6	Chlorodifluoromethane	0.090	0.32	U	0.32	1.77	ug/m3
75-71-8	Dichlorodifluoromethane	0.21	1.04	U	1.04	2.47	ug/m3
64-17-5	Ethanol	0.32	0.60	U	0.60	0.94	ug/m3
74-87-3	Chloromethane	0.10	0.21	U	0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	0.010	0.030	U	0.030	0.080	ug/m3
141-78-6	Ethyl Acetate	0.080	0.32	U	0.32	1.98	ug/m3
74-83-9	Bromomethane	0.14	0.54	U	0.54	1.94	ug/m3
75-00-3	Chloroethane	57.6	152	E	0.45	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.13	0.38	U	0.38	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.16	0.90	U	0.90	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.16	1.23	U	1.23	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.090	0.63	U	0.63	3.49	ug/m3
593-60-2	Bromoethene	0.12	0.52	U	0.52	2.19	ug/m3
115-07-1	Propene	0.15	0.26	U	0.26	0.86	ug/m3
75-65-0	tert-Butyl alcohol	0.19	0.58	U	0.58	1.52	ug/m3
142-82-5	Heptane	26.4	108	E	0.45	2.05	ug/m3
67-63-0	Isopropyl Alcohol	0.070	0.17	U	0.17	1.23	ug/m3
75-35-4	1,1-Dichloroethene	22.4	88.8	E	0.56	1.98	ug/m3
67-64-1	Acetone	0.24	0.57	U	0.57	1.19	ug/m3
75-15-0	Carbon Disulfide	0.16	0.50	U	0.50	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.12	0.43	U	0.43	1.80	ug/m3
75-09-2	Methylene Chloride	0.19	0.66	U	0.66	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.19	0.75	U	0.75	1.98	ug/m3
108-05-4	Vinyl Acetate	0.16	0.58	U	0.58	1.80	ug/m3
75-34-3	1,1-Dichloroethane	0.13	0.53	U	0.53	2.02	ug/m3
110-82-7	Cyclohexane	0.22	0.76	U	0.76	1.72	ug/m3
78-93-3	2-Butanone	0.12	0.35	U	0.35	1.47	ug/m3
56-23-5	Carbon Tetrachloride	29.2	184	E	0.060	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.090	0.36	U	0.36	1.98	ug/m3
67-66-3	Chloroform	0.080	0.39	U	0.39	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.010	0.050	U	0.050	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.10	0.47	U	0.47	2.34	ug/m3
71-43-2	Benzene	0.090	0.29	U	0.29	1.60	ug/m3
107-06-2	1,2-Dichloroethane	0.090	0.36	U	0.36	2.02	ug/m3
79-01-6	Trichloroethene	0.020	0.11	U	0.11	0.16	ug/m3

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/25/24
Project:	NJ Air PT	Date Received:	10/30/24
Client Sample ID:	E070-1100	SDG No.:	P4633
Lab Sample ID:	P4633-01	Matrix:	Air
Analytical Method:	TO-15	Test:	VOCMS Group3
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL041701.D	1		11/20/24 15:54	VL112024

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
78-87-5	1,2-Dichloropropane	0.11	0.51	U	0.51	2.31	ug/m3
75-27-4	Bromodichloromethane	21.0	141	E	0.54	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.090	0.37	U	0.37	2.05	ug/m3
108-88-3	Toluene	44.6	168	E	0.41	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.060	0.27	U	0.27	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.060	0.27	U	0.27	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.070	0.38	U	0.38	2.73	ug/m3
591-78-6	2-Hexanone	0.080	0.33	U	0.33	2.04	ug/m3
124-48-1	Dibromochloromethane	0.070	0.60	U	0.60	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.070	0.54	U	0.54	0.77	ug/m3
127-18-4	Tetrachloroethene	0.020	0.14	U	0.14	0.20	ug/m3
108-90-7	Chlorobenzene	0.080	0.37	U	0.37	2.30	ug/m3
100-41-4	Ethyl Benzene	0.12	0.52	U	0.52	2.17	ug/m3
179601-23-1	m/p-Xylene	45.9	199	E	0.91	4.34	ug/m3
1330-20-7	Total Xylenes	84.4	367	E	1.43	6.52	ug/m3
95-47-6	o-Xylene	38.5	167	E	0.52	2.17	ug/m3
100-42-5	Styrene	0.11	0.47	U	0.47	2.13	ug/m3
75-25-2	Bromoform	0.060	0.62	U	0.62	5.17	ug/m3
98-82-8	Isopropylbenzene	0.090	0.44	U	0.44	2.46	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.010	0.070	U	0.070	0.21	ug/m3
95-49-8	2-Chlorotoluene	0.11	0.57	U	0.57	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.11	0.54	U	0.54	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.080	0.39	U	0.39	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.080	0.48	U	0.48	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.050	0.30	U	0.30	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	33.5	201	E	0.48	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	27.5	204	E	0.67	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.090	0.96	U	0.96	5.33	ug/m3
106-99-0	1,3-Butadiene	0.13	0.29	U	0.29	1.11	ug/m3
91-20-3	Naphthalene	0.080	0.42	UQ	0.42	0.52	ug/m3
622-96-8	4-Ethyltoluene	0.12	0.59	U	0.59	2.46	ug/m3
110-54-3	Hexane	0.11	0.39	U	0.39	1.76	ug/m3
107-05-1	Allyl Chloride	0.15	0.47	U	0.47	1.57	ug/m3
123-91-1	1,4-Dioxane	0.21	0.76	U	0.76	1.80	ug/m3
100-44-7	Benzyl Chloride	0.18	0.93	U	0.93	2.59	ug/m3
80-62-6	Methyl Methacrylate	0.090	0.37	U	0.37	2.05	ug/m3

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/25/24
Project:	NJ Air PT	Date Received:	10/30/24
Client Sample ID:	E070-1100	SDG No.:	P4633
Lab Sample ID:	P4633-01	Matrix:	Air
Analytical Method:	TO-15	Test:	VOCMS Group3
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL041701.D	1		11/20/24 15:54	VL112024

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.6			65 - 135	106%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	996000		5.211			
540-36-3	1,4-Difluorobenzene	2740000		6.674			
3114-55-4	Chlorobenzene-d5	2470000		11.48			

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112024\
 Data File : VL041701.D
 Acq On : 20 Nov 2024 15:54
 Operator : SY/MD
 Sample : P4633-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 E070-1100

Quant Time: Nov 21 05:10:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Nov 08 01:01:00 2024
 Response via : Initial Calibration

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

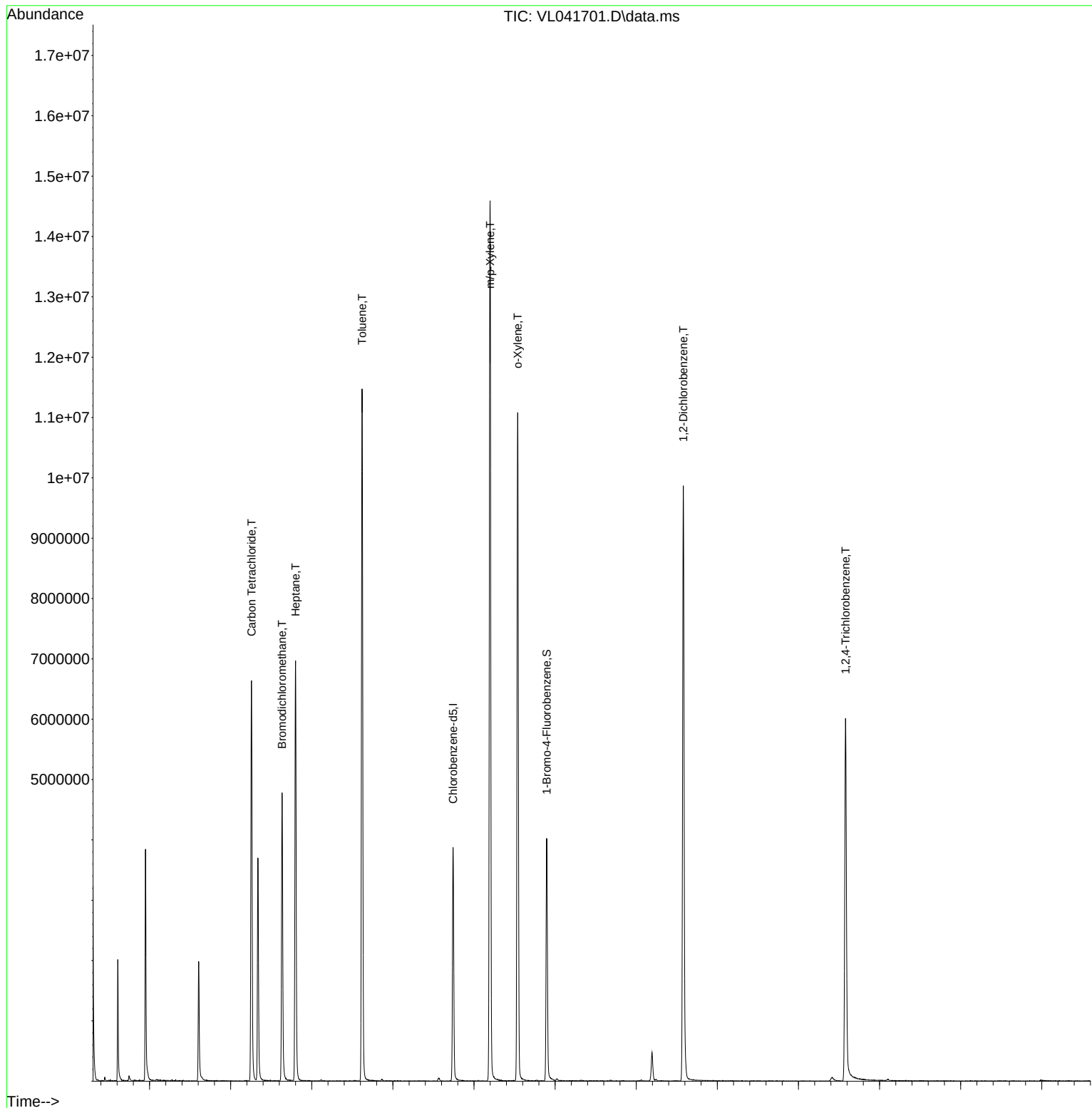
Internal Standards						
1) Bromochloromethane	5.211	49	995553	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.674	114	2742439	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.484	117	2469424	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.793	95	1923146	10.570	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	= 105.700%	
Target Compounds						
					Qvalue	
7) Chloroethane	3.218	64	1298494	57.565	ppbv	99
10) Heptane	7.600	43	3348007	26.435	ppbv	99
18) 1,1-Dichloroethene	3.902	96	1117194	22.360	ppbv	98
35) Carbon Tetrachloride	6.513	117	4228471	29.224	ppbv	99
42) Bromodichloromethane	7.269	83	3336894	20.947	ppbv	100
53) Toluene	9.240	91	9520444	44.554	ppbv	95
59) m/p-Xylene	12.397	91	11129849	45.909	ppbv	90
60) o-Xylene	13.079	91	8888252	38.448	ppbv	97
77) 1,2-Dichlorobenzene	17.162	146	5621685	33.447	ppbv	100
81) 1,2,4-Trichlorobenzene	21.162	180	2922058	27.478	ppbv	98

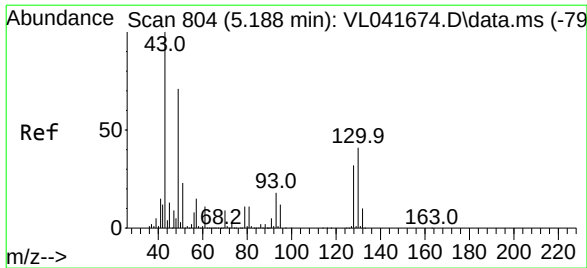
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112024\
Data File : VL041701.D
Acq On : 20 Nov 2024 15:54
Operator : SY/MD
Sample : P4633-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
E070-1100

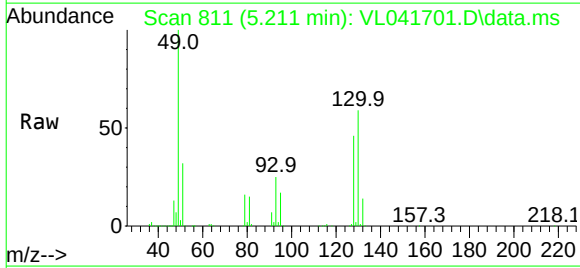
Quant Time: Nov 21 05:10:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Fri Nov 08 01:01:00 2024
Response via : Initial Calibration



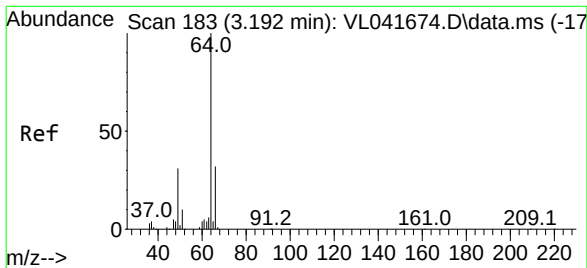
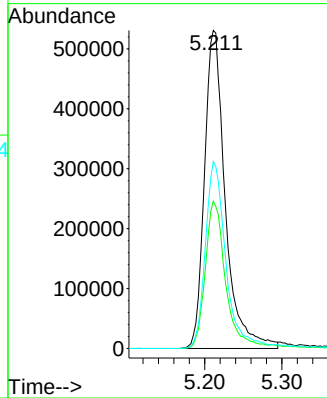
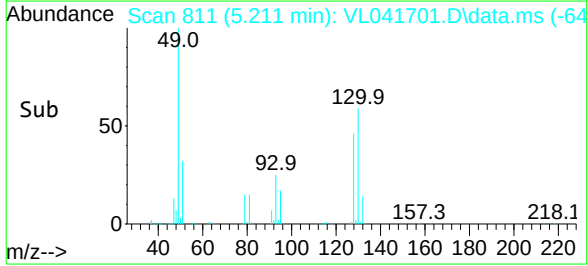


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.211 min Scan# 81
Delta R.T. 0.023 min
Lab File: VL041701.D
Acq: 20 Nov 2024 15:54

Instrument :
MSVOA_L
ClientSampleId :
E070-1100

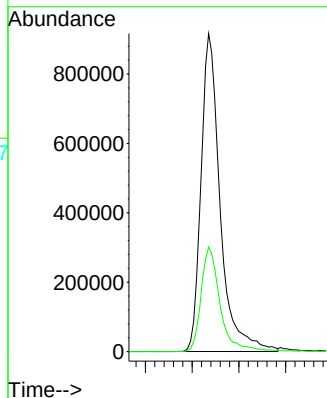
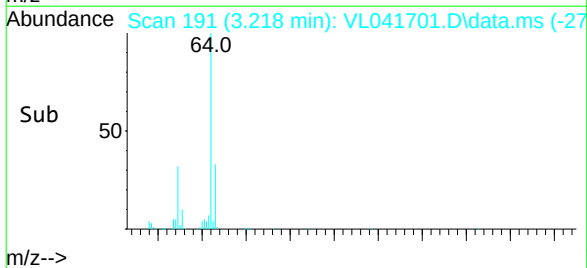
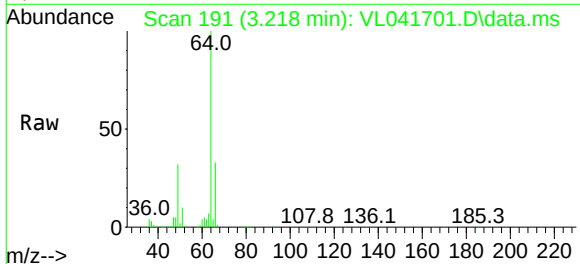


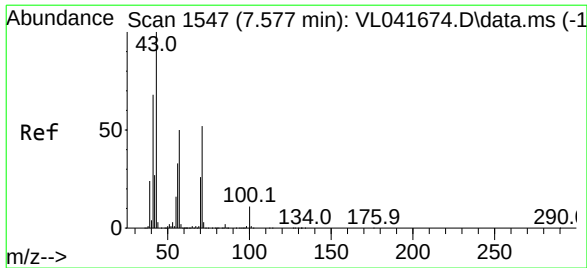
Tgt Ion: 49 Resp: 995553
Ion Ratio Lower Upper
49 100
128 46.5 23.8 71.2
130 60.1 30.1 90.5



#7
Chloroethane
Concen: 57.565 ppbv
RT: 3.218 min Scan# 191
Delta R.T. 0.026 min
Lab File: VL041701.D
Acq: 20 Nov 2024 15:54

Tgt Ion: 64 Resp: 1298494
Ion Ratio Lower Upper
64 100
66 32.9 25.9 38.9

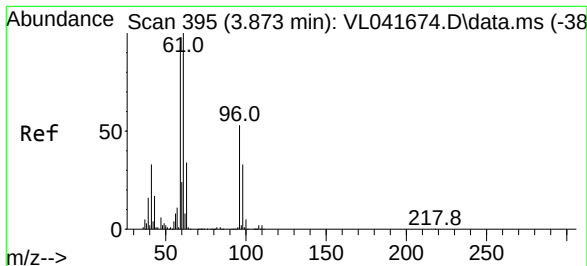
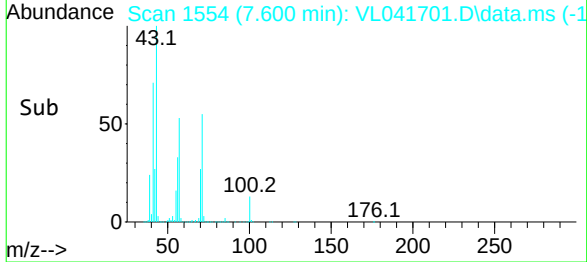
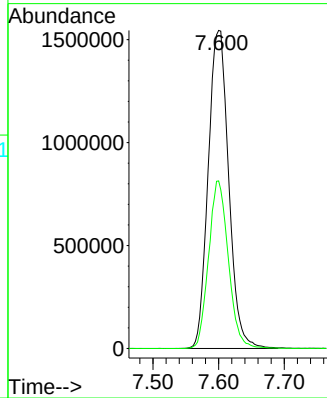
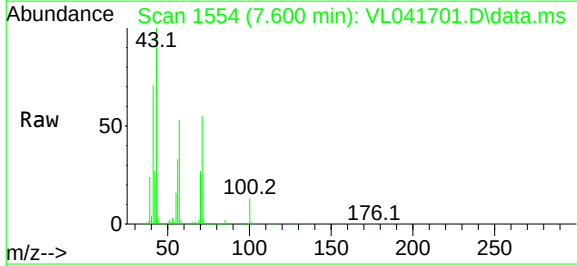




#10
Heptane
Concen: 26.435 ppbv
RT: 7.600 min Scan# 15
Delta R.T. 0.023 min
Lab File: VL041701.D
Acq: 20 Nov 2024 15:54

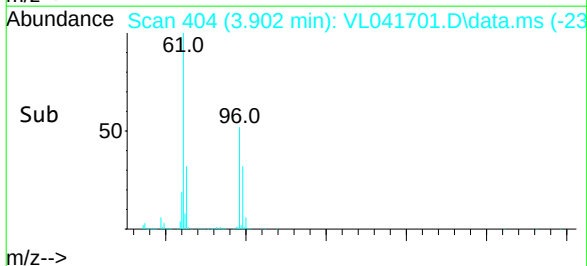
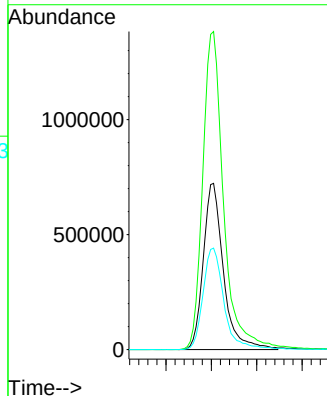
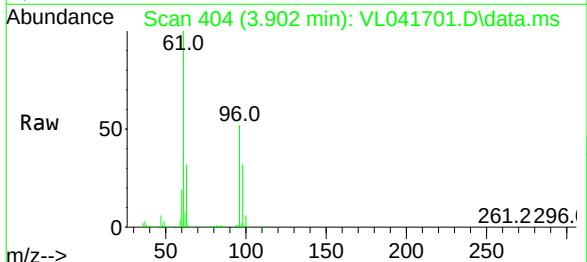
Instrument :
MSVOA_L
ClientSampleId :
E070-1100

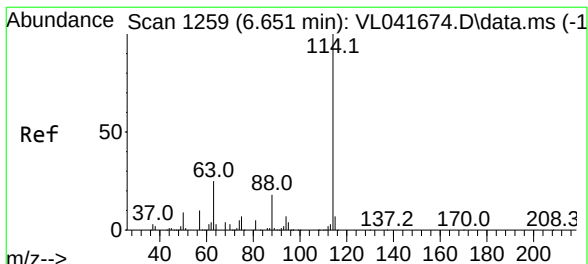
Tgt Ion: 43 Resp: 3348007
Ion Ratio Lower Upper
43 100
57 50.8 40.0 60.0



#18
1,1-Dichloroethene
Concen: 22.360 ppbv
RT: 3.902 min Scan# 404
Delta R.T. 0.029 min
Lab File: VL041701.D
Acq: 20 Nov 2024 15:54

Tgt Ion: 96 Resp: 1117194
Ion Ratio Lower Upper
96 100
61 191.4 150.7 226.1
98 61.0 49.4 74.2

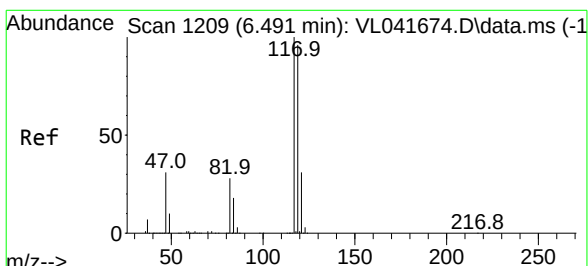
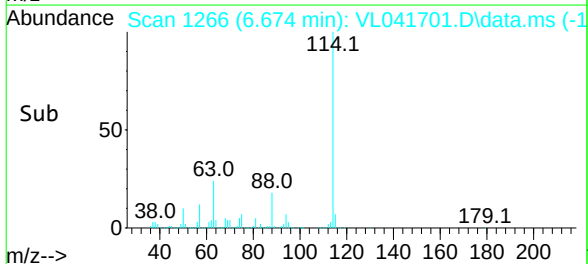
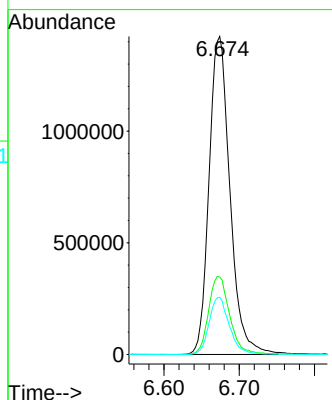
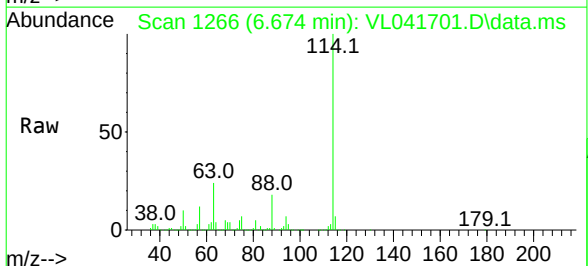




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 6.674 min Scan# 1216
 Delta R.T. 0.023 min
 Lab File: VL041701.D
 Acq: 20 Nov 2024 15:54

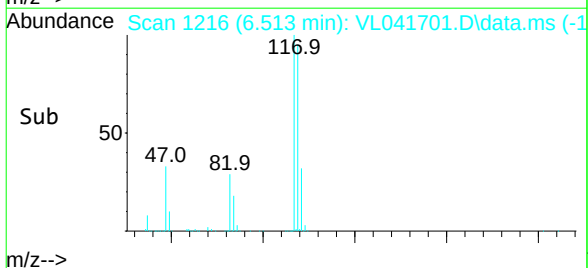
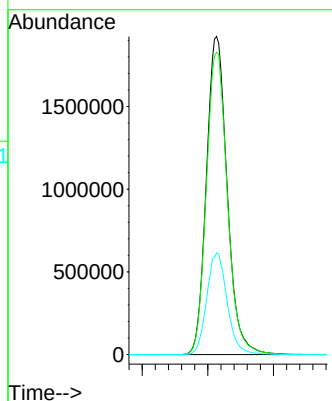
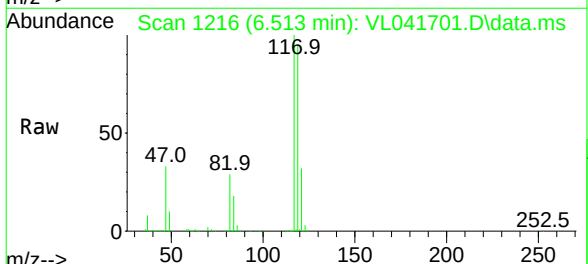
Instrument :
 MSVOA_L
 ClientSampleId :
 E070-1100

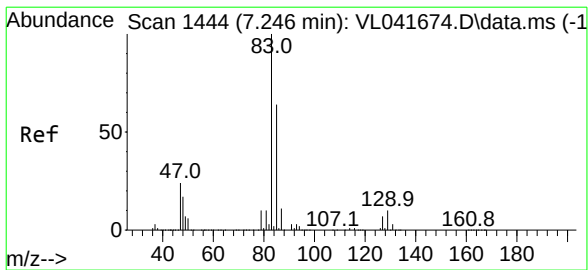
Tgt Ion:114 Resp: 2742439
 Ion Ratio Lower Upper
 114 100
 63 24.8 20.3 30.5
 88 17.6 14.2 21.4



#35
 Carbon Tetrachloride
 Concen: 29.224 ppbv
 RT: 6.513 min Scan# 1216
 Delta R.T. 0.023 min
 Lab File: VL041701.D
 Acq: 20 Nov 2024 15:54

Tgt Ion:117 Resp: 4228471
 Ion Ratio Lower Upper
 117 100
 119 95.0 77.2 115.8
 121 32.0 25.0 37.4





#42

Bromodichloromethane

Concen: 20.947 ppbv

RT: 7.269 min Scan# 14

Delta R.T. 0.023 min

Lab File: VL041701.D

Acq: 20 Nov 2024 15:54

Instrument :

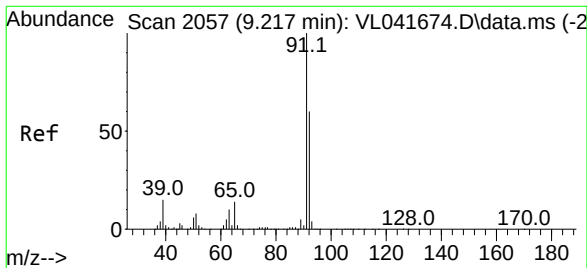
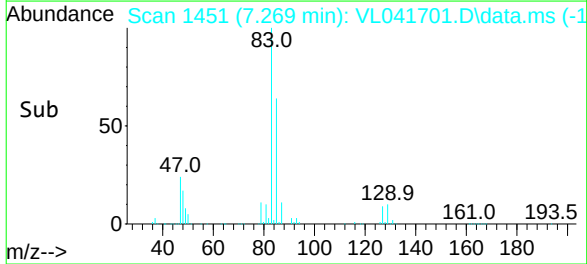
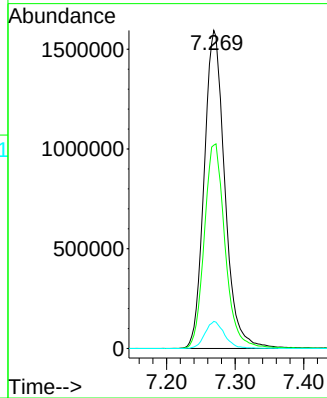
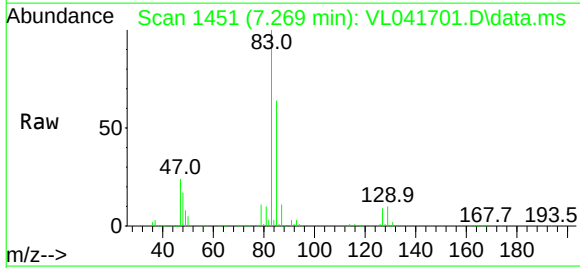
MSVOA_L

ClientSampleId :

E070-1100

Tgt Ion: 83 Resp: 3336894

Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.2	76.8
127	8.5	6.0	9.0



#53

Toluene

Concen: 44.554 ppbv

RT: 9.240 min Scan# 2064

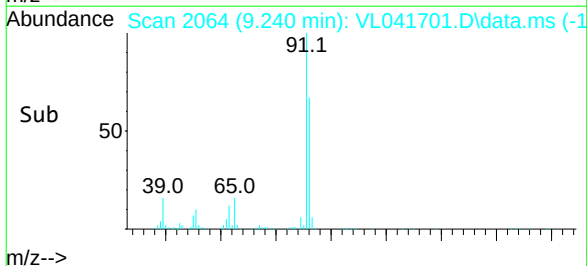
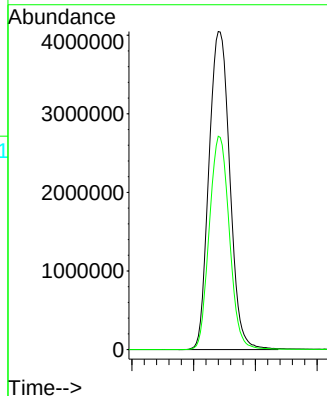
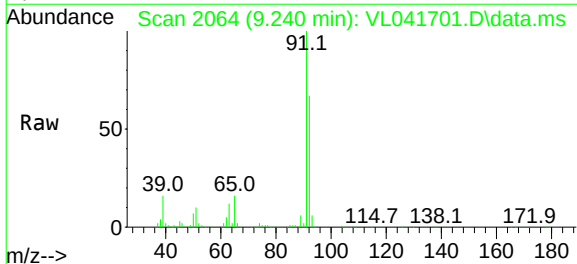
Delta R.T. 0.023 min

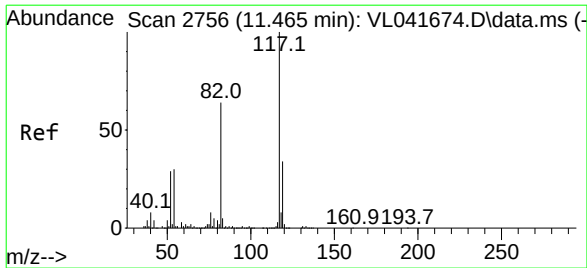
Lab File: VL041701.D

Acq: 20 Nov 2024 15:54

Tgt Ion: 91 Resp: 9520444

Ion	Ratio	Lower	Upper
91	100		
92	64.8	49.0	73.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.484 min Scan# 27

Delta R.T. 0.019 min

Lab File: VL041701.D

Acq: 20 Nov 2024 15:54

Instrument :

MSVOA_L

ClientSampleId :

E070-1100

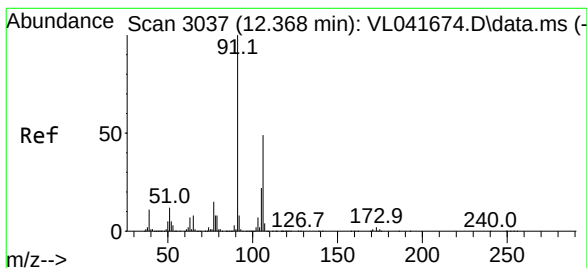
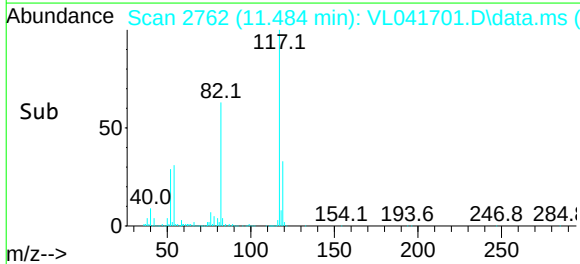
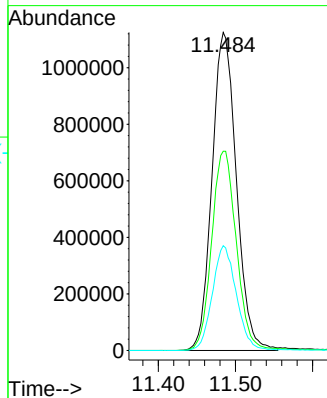
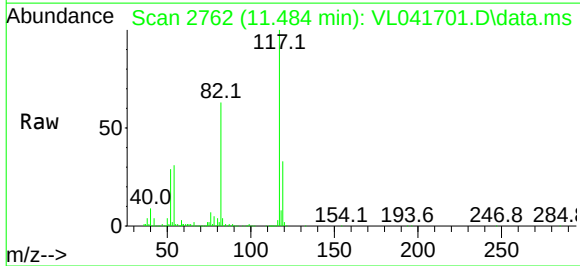
Tgt Ion:117 Resp: 2469424

Ion	Ratio	Lower	Upper

117	100		

82	63.8	49.8	74.8

119	32.7	24.2	36.4



#59

m/p-Xylene

Concen: 45.909 ppbv

RT: 12.397 min Scan# 3046

Delta R.T. 0.029 min

Lab File: VL041701.D

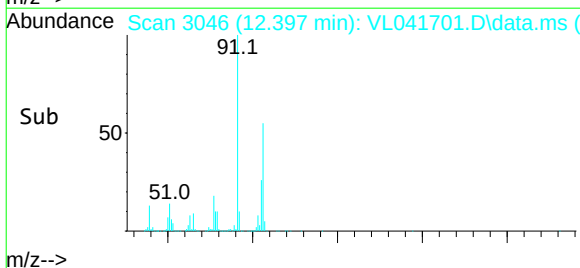
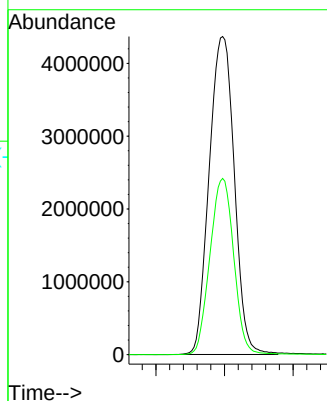
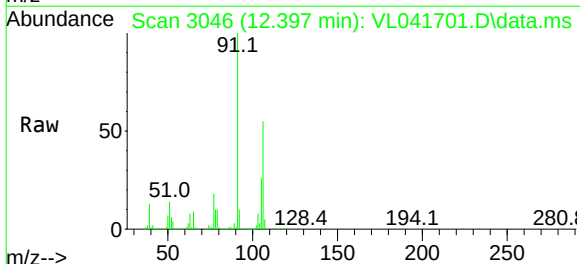
Acq: 20 Nov 2024 15:54

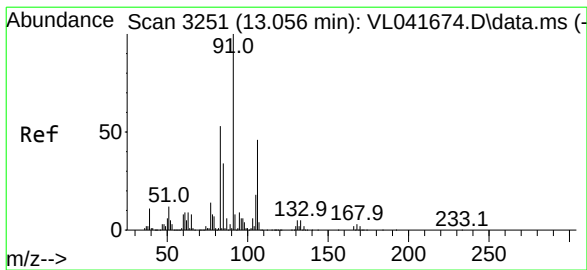
Tgt Ion: 91 Resp:11129849

Ion	Ratio	Lower	Upper

91	100		

106	52.6	36.9	55.3





#60

o-Xylene

Concen: 38.448 ppbv

RT: 13.079 min Scan# 32

Delta R.T. 0.023 min

Lab File: VL041701.D

Acq: 20 Nov 2024 15:54

Instrument :

MSVOA_L

ClientSampleId :

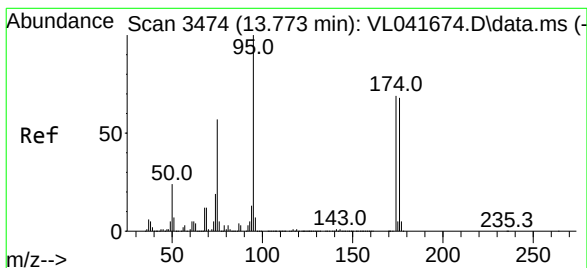
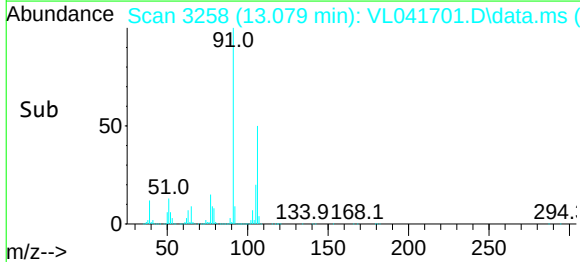
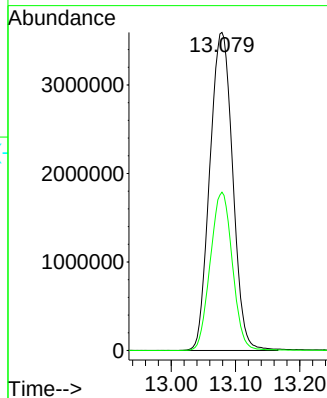
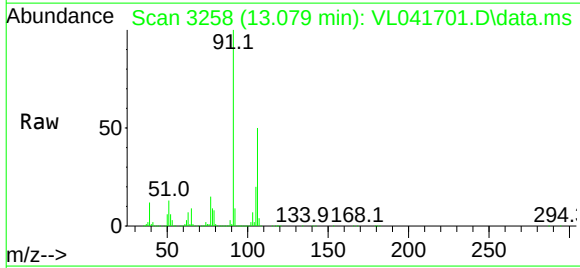
E070-1100

Tgt Ion: 91 Resp: 8888252

Ion Ratio Lower Upper

91 100

106 48.2 23.2 69.6



#68

1-Bromo-4-Fluorobenzene

Concen: 10.570 ppbv

RT: 13.793 min Scan# 3480

Delta R.T. 0.019 min

Lab File: VL041701.D

Acq: 20 Nov 2024 15:54

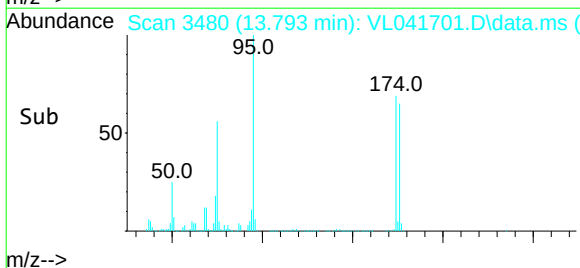
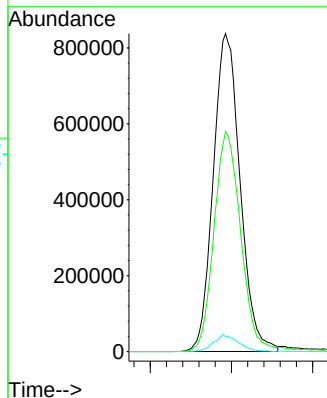
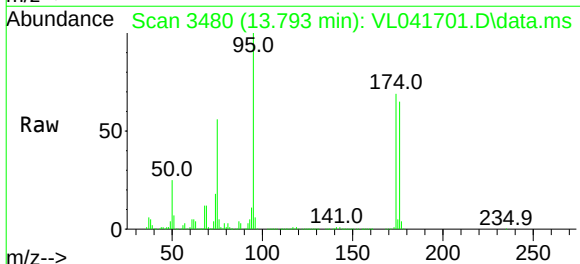
Tgt Ion: 95 Resp: 1923146

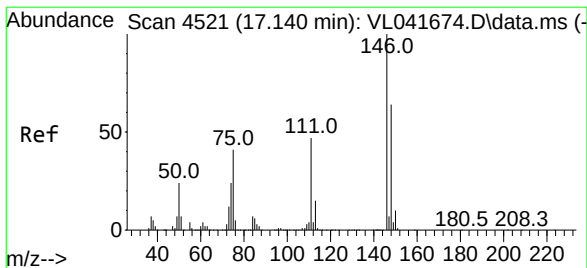
Ion Ratio Lower Upper

95 100

174 70.2 55.6 83.4

175 5.1 4.2 6.2





#77

1,2-Dichlorobenzene

Concen: 33.447 ppbv

RT: 17.162 min Scan# 4521

Delta R.T. 0.023 min

Lab File: VL041701.D

Acq: 20 Nov 2024 15:54

Instrument :

MSVOA_L

ClientSampleId :

E070-1100

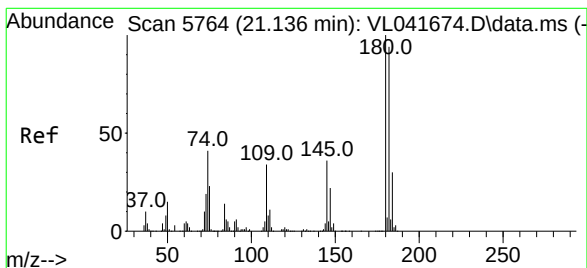
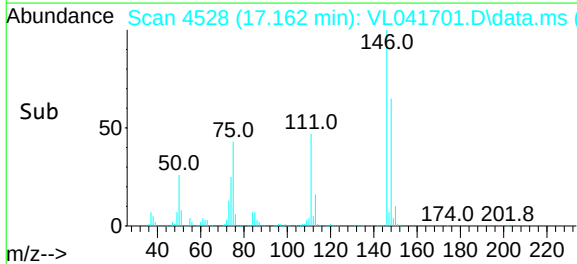
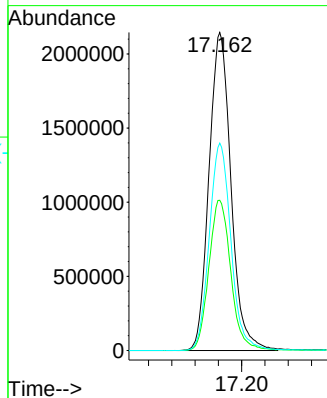
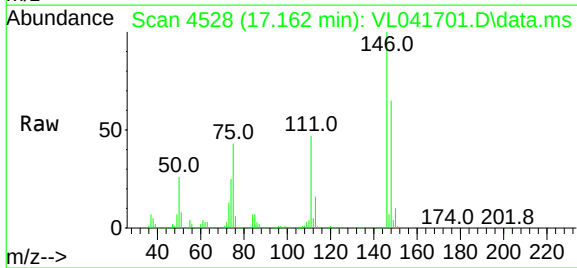
Tgt Ion:146 Resp: 5621685

Ion Ratio Lower Upper

146 100

111 47.3 23.4 70.3

148 64.5 32.1 96.5



#81

1,2,4-Trichlorobenzene

Concen: 27.478 ppbv

RT: 21.162 min Scan# 5772

Delta R.T. 0.026 min

Lab File: VL041701.D

Acq: 20 Nov 2024 15:54

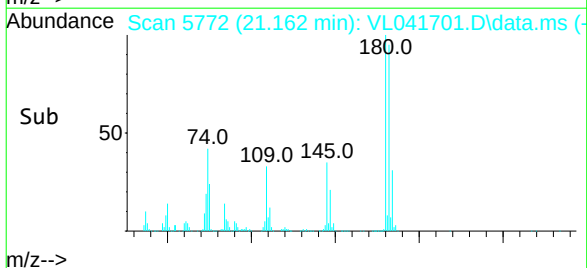
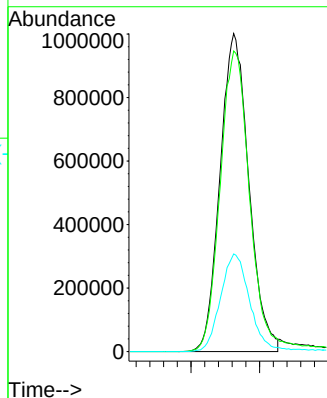
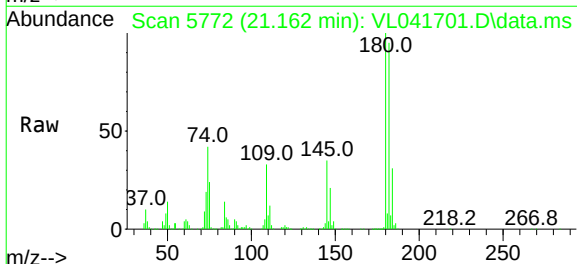
Tgt Ion:180 Resp: 2922058

Ion Ratio Lower Upper

180 100

182 99.9 78.2 117.2

184 31.8 25.0 37.4



Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/25/24
Project:	NJ Air PT	Date Received:	10/30/24
Client Sample ID:	E070-1100DL	SDG No.:	P4633
Lab Sample ID:	P4633-01DL	Matrix:	Air
Analytical Method:	TO-15	Test:	VOCMS Group3
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL041714.D	2		11/21/24 14:12	VL112124

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-45-6	Chlorodifluoromethane	0.18	0.64	UD	0.64	3.54	ug/m3
75-71-8	Dichlorodifluoromethane	0.42	2.08	UD	2.08	4.94	ug/m3
64-17-5	Ethanol	0.64	1.21	UDQ	1.21	1.88	ug/m3
74-87-3	Chloromethane	0.20	0.41	UD	0.41	2.07	ug/m3
75-01-4	Vinyl Chloride	0.030	0.080	UD	0.080	0.15	ug/m3
141-78-6	Ethyl Acetate	0.16	0.63	UD	0.63	3.97	ug/m3
74-83-9	Bromomethane	0.28	1.09	UD	1.09	3.88	ug/m3
75-00-3	Chloroethane	51.6	136	ED	0.90	2.64	ug/m3
109-99-9	Tetrahydrofuran	0.26	0.77	UD	0.77	2.95	ug/m3
75-69-4	Trichlorofluoromethane	0.32	1.80	UD	1.80	5.62	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.32	2.45	UD	2.45	7.66	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.18	1.26	UD	1.26	6.99	ug/m3
593-60-2	Bromoethene	0.24	1.05	UD	1.05	4.37	ug/m3
115-07-1	Propene	0.30	0.52	UD	0.52	1.72	ug/m3
75-65-0	tert-Butyl alcohol	0.38	1.15	UD	1.15	3.03	ug/m3
142-82-5	Heptane	24.2	99.2	D	0.90	4.10	ug/m3
67-63-0	Isopropyl Alcohol	0.14	0.34	UD	0.34	2.46	ug/m3
75-35-4	1,1-Dichloroethene	19.7	78.1	D	1.11	3.96	ug/m3
67-64-1	Acetone	0.48	1.14	UD	1.14	2.38	ug/m3
75-15-0	Carbon Disulfide	0.32	1.00	UD	1.00	3.11	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.24	0.87	UD	0.87	3.61	ug/m3
75-09-2	Methylene Chloride	0.38	1.32	UD	1.32	3.47	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.38	1.51	UD	1.51	3.96	ug/m3
108-05-4	Vinyl Acetate	0.32	1.15	UD	1.15	3.60	ug/m3
75-34-3	1,1-Dichloroethane	0.26	1.05	UD	1.05	4.05	ug/m3
110-82-7	Cyclohexane	0.44	1.51	UD	1.51	3.44	ug/m3
78-93-3	2-Butanone	0.24	0.71	UD	0.71	2.95	ug/m3
56-23-5	Carbon Tetrachloride	27.1	170	D	0.13	0.38	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.18	0.71	UD	0.71	3.96	ug/m3
67-66-3	Chloroform	0.17	0.83	UD	0.83	4.88	ug/m3
71-55-6	1,1,1-Trichloroethane	0.020	0.11	UD	0.11	0.33	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.20	0.93	UD	0.93	4.67	ug/m3
71-43-2	Benzene	0.17	0.54	UD	0.54	3.19	ug/m3
107-06-2	1,2-Dichloroethane	0.18	0.73	UD	0.73	4.05	ug/m3
79-01-6	Trichloroethene	0.030	0.16	UDQ	0.16	0.32	ug/m3

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/25/24
Project:	NJ Air PT	Date Received:	10/30/24
Client Sample ID:	E070-1100DL	SDG No.:	P4633
Lab Sample ID:	P4633-01DL	Matrix:	Air
Analytical Method:	TO-15	Test:	VOCMS Group3
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL041714.D	2		11/21/24 14:12	VL112124

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
78-87-5	1,2-Dichloropropane	0.22	1.02	UD	1.02	4.62	ug/m3
75-27-4	Bromodichloromethane	18.5	124	D	1.00	6.70	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.19	0.78	UD	0.78	4.10	ug/m3
108-88-3	Toluene	42.6	161	ED	0.83	3.77	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.12	0.54	UD	0.54	4.54	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.13	0.59	UD	0.59	4.54	ug/m3
79-00-5	1,1,2-Trichloroethane	0.14	0.76	UD	0.76	5.46	ug/m3
591-78-6	2-Hexanone	0.16	0.65	UD	0.65	4.09	ug/m3
124-48-1	Dibromochloromethane	0.13	1.11	UD	1.11	8.52	ug/m3
106-93-4	1,2-Dibromoethane	0.14	1.08	UD	1.08	1.54	ug/m3
127-18-4	Tetrachloroethene	0.030	0.20	UD	0.20	0.41	ug/m3
108-90-7	Chlorobenzene	0.15	0.69	UD	0.69	4.61	ug/m3
100-41-4	Ethyl Benzene	0.24	1.04	UD	1.04	4.34	ug/m3
179601-23-1	m/p-Xylene	44.4	193	D	1.82	8.69	ug/m3
1330-20-7	Total Xylenes	80.0	347	D	2.87	13.0	ug/m3
95-47-6	o-Xylene	35.6	155	ED	1.04	4.34	ug/m3
100-42-5	Styrene	0.22	0.94	UD	0.94	4.26	ug/m3
75-25-2	Bromoform	0.11	1.14	UD	1.14	10.3	ug/m3
98-82-8	Isopropylbenzene	0.17	0.84	UD	0.84	4.92	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.020	0.14	UDQ	0.14	0.41	ug/m3
95-49-8	2-Chlorotoluene	0.22	1.14	UD	1.14	5.18	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.22	1.08	UD	1.08	4.92	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.16	0.79	UD	0.79	4.92	ug/m3
541-73-1	1,3-Dichlorobenzene	0.16	0.96	UD	0.96	6.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.11	0.66	UD	0.66	6.01	ug/m3
95-50-1	1,2-Dichlorobenzene	29.8	179	D	0.90	6.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	23.4	174	D	1.26	7.42	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.17	1.81	UD	1.81	10.7	ug/m3
106-99-0	1,3-Butadiene	0.26	0.58	UD	0.58	2.21	ug/m3
91-20-3	Naphthalene	0.15	0.79	UDQ	0.79	1.05	ug/m3
622-96-8	4-Ethyltoluene	0.24	1.18	UD	1.18	4.92	ug/m3
110-54-3	Hexane	0.22	0.78	UD	0.78	3.52	ug/m3
107-05-1	Allyl Chloride	0.30	0.94	UD	0.94	3.13	ug/m3
123-91-1	1,4-Dioxane	0.42	1.51	UD	1.51	3.60	ug/m3
100-44-7	Benzyl Chloride	0.36	1.86	UDQ	1.86	5.18	ug/m3
80-62-6	Methyl Methacrylate	0.17	0.70	UD	0.70	4.09	ug/m3

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/25/24
Project:	NJ Air PT	Date Received:	10/30/24
Client Sample ID:	E070-1100DL	SDG No.:	P4633
Lab Sample ID:	P4633-01DL	Matrix:	Air
Analytical Method:	TO-15	Test:	VOCMS Group3
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL041714.D	2		11/21/24 14:12	VL112124

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	11.0			65 - 135	110%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	1040000		5.23			
540-36-3	1,4-Difluorobenzene	2930000		6.69			
3114-55-4	Chlorobenzene-d5	2690000		11.50			

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112124\
 Data File : VL041714.D
 Acq On : 21 Nov 2024 14:12
 Operator : SY/MD
 Sample : P4633-01DL 2X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 E070-1100DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/02/2024
 Supervised By :Mahesh Dadoda 12/03/2024

Quant Time: Nov 22 01:07:51 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Nov 22 01:00:55 2024

Response via : Initial Calibration

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

Internal Standards							
1) Bromochloromethane		5.230	49	1043249	10.000	ppbv	0.00
33) 1,4-Difluorobenzene		6.690	114	2930669	10.000	ppbv	0.00
55) Chlorobenzene-d5		11.504	117	2692925	10.000	ppbv	0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene		13.812	95	2181457	10.994	ppbv	0.00
Spiked Amount		10.000	Range	65 - 135	Recovery	= 109.900%	
Target Compounds							
							Qvalue
7) Chloroethane		3.237	64	610346m	25.821	ppbv	
10) Heptane		7.619	43	1604286	12.088	ppbv	99
18) 1,1-Dichloroethene		3.919	96	514801	9.832	ppbv	97
35) Carbon Tetrachloride		6.533	117	2096970	13.562	ppbv	98
42) Bromodichloromethane		7.288	83	1571344	9.230	ppbv	99
53) Toluene		9.259	91	4863423	21.298	ppbv	99
59) m/p-Xylene		12.413	91	5865203	22.185	ppbv	95
60) o-Xylene		13.095	91	4483154	17.783	ppbv	100
77) 1,2-Dichlorobenzene		17.179	146	2731245	14.901	ppbv	100
81) 1,2,4-Trichlorobenzene		21.182	180	1359517	11.723	ppbv	99

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

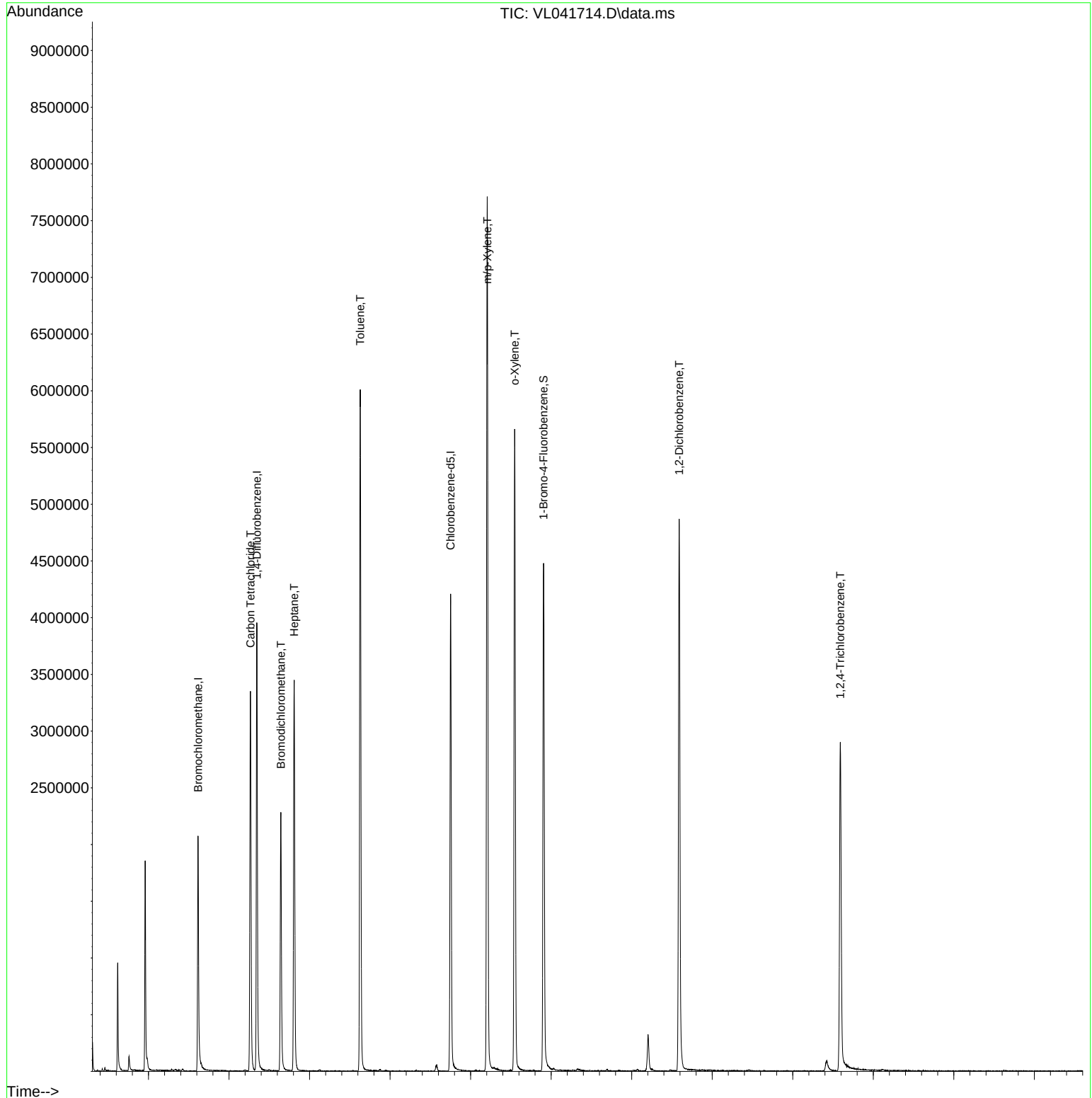
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112124\
Data File : VL041714.D
Acq On : 21 Nov 2024 14:12
Operator : SY/MD
Sample : P4633-01DL 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

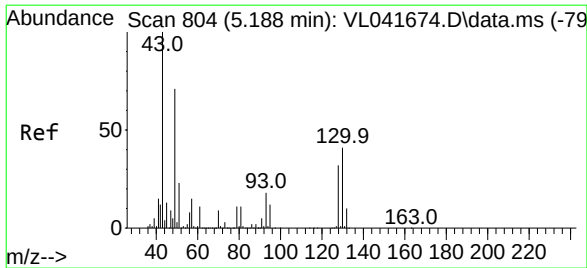
Instrument :
MSVOA_L
ClientSampleId :
E070-1100DL

Quant Time: Nov 22 01:07:51 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Nov 22 01:00:55 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

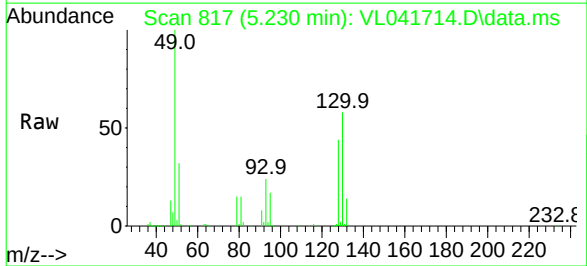
Reviewed By : Semsettin Yesilyurt 12/02/2024
Supervised By : Mahesh Dadoda 12/03/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.230 min Scan# 81
Delta R.T. 0.009 min
Lab File: VL041714.D
Acq: 21 Nov 2024 14:12

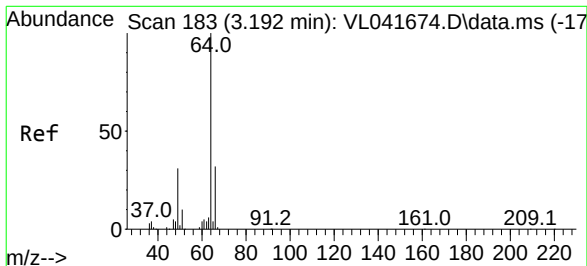
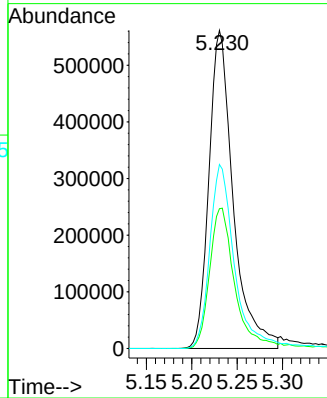
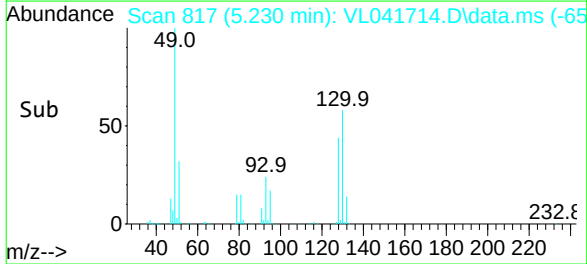
Instrument :
MSVOA_L
ClientSampleId :
E070-1100DL



Tgt Ion: 49 Resp: 1043249
Ion Ratio Lower Upper
49 100
128 47.4 23.8 71.2
130 61.0 30.1 90.5

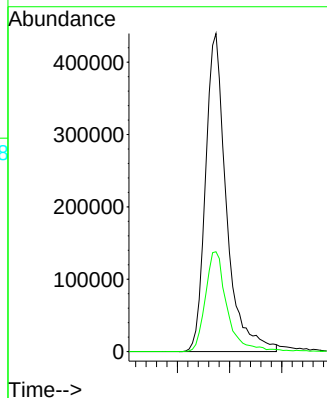
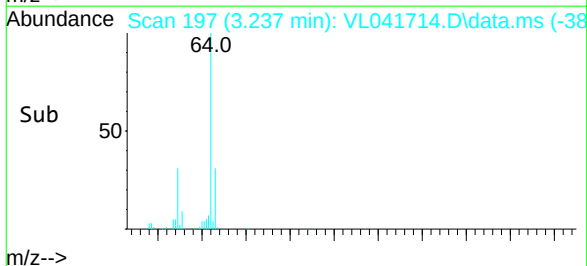
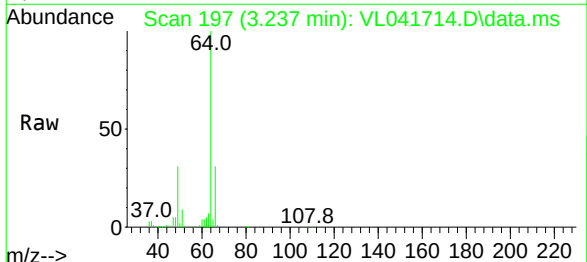
Manual Integrations
APPROVED

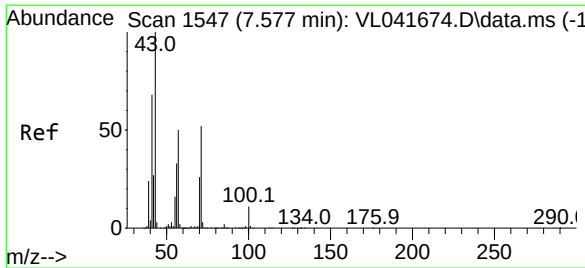
Reviewed By :Semsettin Yesilyurt 12/02/2024
Supervised By :Mahesh Dadoda 12/03/2024



#7
Chloroethane
Concen: 25.821 ppbv m
RT: 3.237 min Scan# 197
Delta R.T. 0.010 min
Lab File: VL041714.D
Acq: 21 Nov 2024 14:12

Tgt Ion: 64 Resp: 610346
Ion Ratio Lower Upper
64 100
66 31.4 25.9 38.9





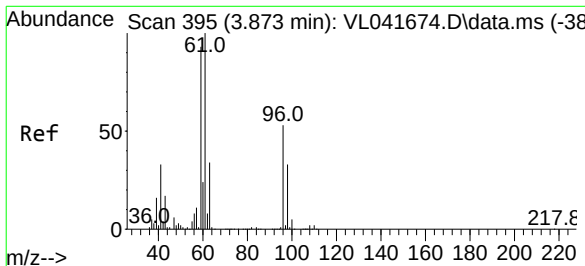
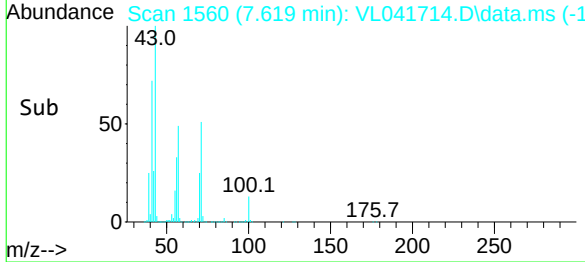
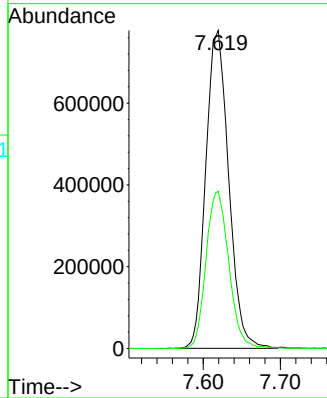
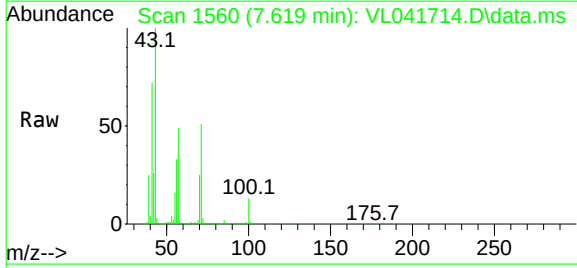
#10
Heptane
Concen: 12.088 ppbv
RT: 7.619 min Scan# 15
Delta R.T. 0.010 min
Lab File: VL041714.D
Acq: 21 Nov 2024 14:12

Instrument :
MSVOA_L
ClientSampleId :
E070-1100DL

Tgt Ion: 43 Resp: 1604286
Ion Ratio Lower Upper
43 100
57 49.3 40.0 60.0

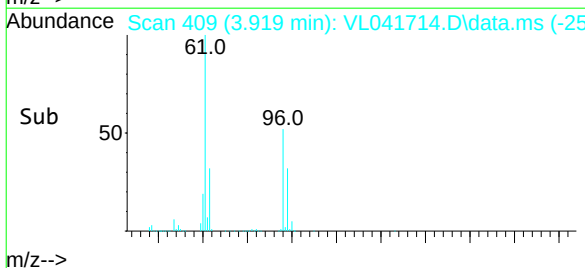
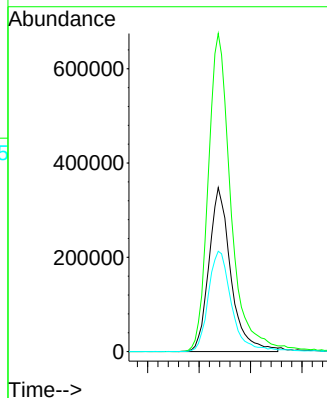
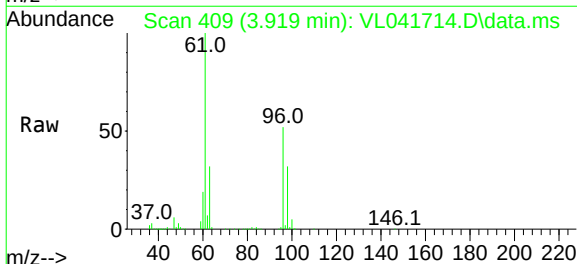
Manual Integrations
APPROVED

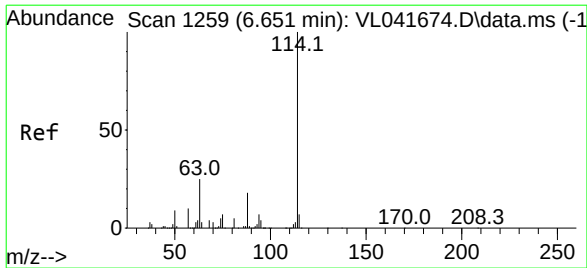
Reviewed By :Semsettin Yesilyurt 12/02/2024
Supervised By :Mahesh Dadoda 12/03/2024



#18
1,1-Dichloroethene
Concen: 9.832 ppbv
RT: 3.919 min Scan# 409
Delta R.T. 0.010 min
Lab File: VL041714.D
Acq: 21 Nov 2024 14:12

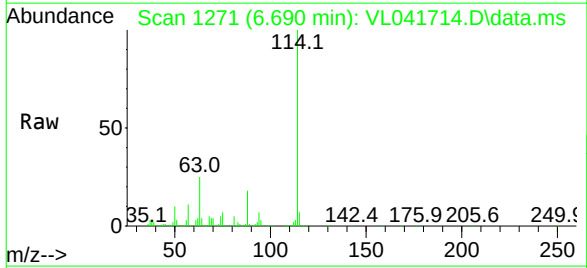
Tgt Ion: 96 Resp: 514801
Ion Ratio Lower Upper
96 100
61 194.0 150.7 226.1
98 61.1 49.4 74.2





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.690 min Scan# 1212
Delta R.T. 0.006 min
Lab File: VL041714.D
Acq: 21 Nov 2024 14:12

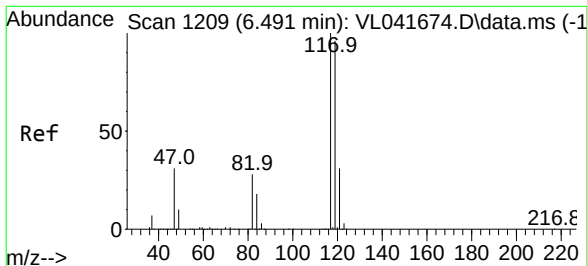
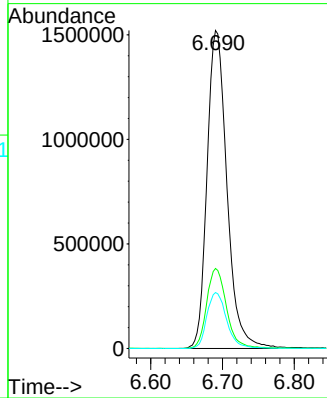
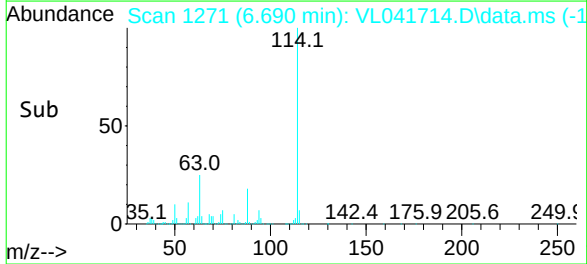
Instrument :
MSVOA_L
ClientSampleId :
E070-1100DL



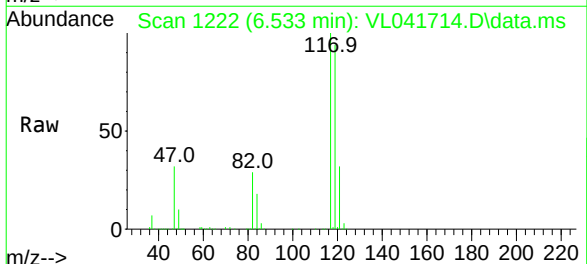
Tgt Ion:114 Resp: 2930669
Ion Ratio Lower Upper
114 100
63 25.2 20.3 30.5
88 17.6 14.2 21.4

Manual Integrations
APPROVED

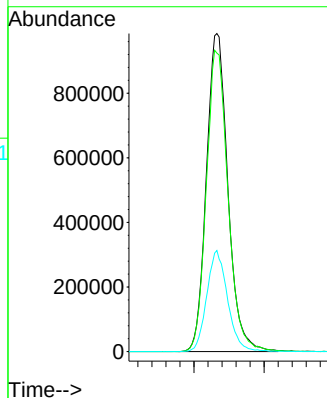
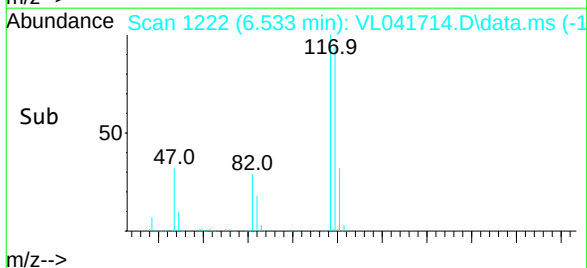
Reviewed By :Semsettin Yesilyurt 12/02/2024
Supervised By :Mahesh Dadoda 12/03/2024

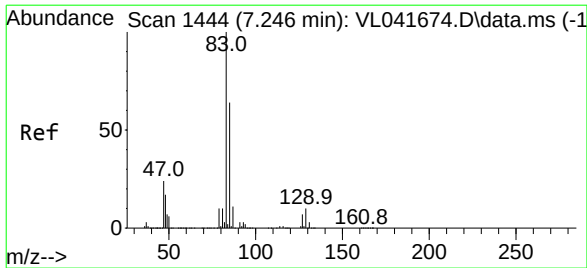


#35
Carbon Tetrachloride
Concen: 13.562 ppbv
RT: 6.533 min Scan# 1222
Delta R.T. 0.006 min
Lab File: VL041714.D
Acq: 21 Nov 2024 14:12



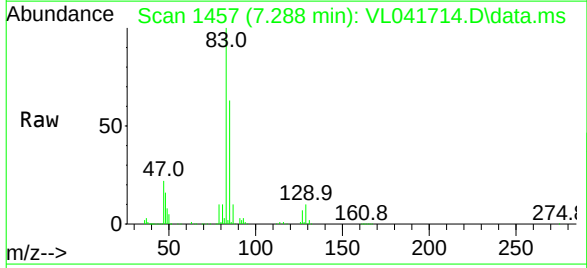
Tgt Ion:117 Resp: 2096970
Ion Ratio Lower Upper
117 100
119 93.8 77.2 115.8
121 31.8 25.0 37.4





#42
Bromodichloromethane
Concen: 9.230 ppbv
RT: 7.288 min Scan# 14
Delta R.T. 0.006 min
Lab File: VL041714.D
Acq: 21 Nov 2024 14:12

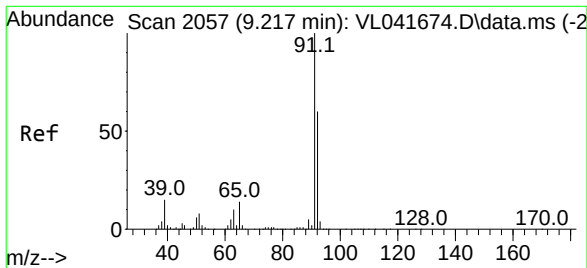
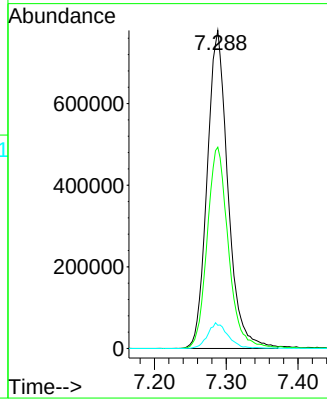
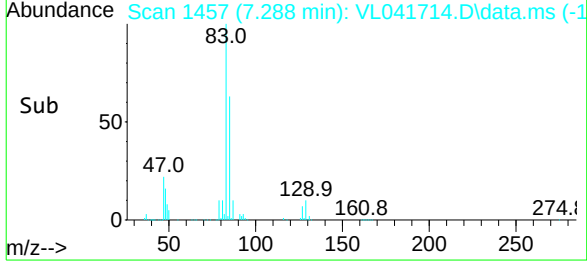
Instrument :
MSVOA_L
ClientSampleId :
E070-1100DL



Tgt Ion: 83 Resp: 1571344
Ion Ratio Lower Upper
83 100
85 63.3 51.2 76.8
127 7.3 6.0 9.0

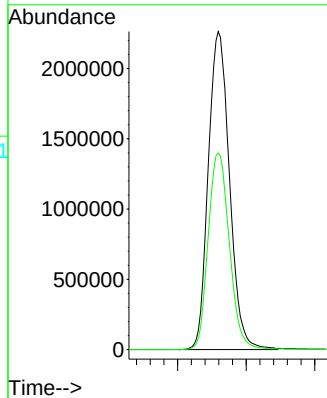
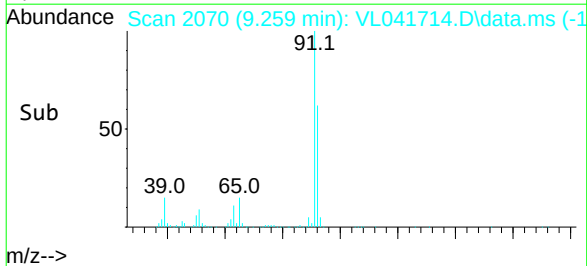
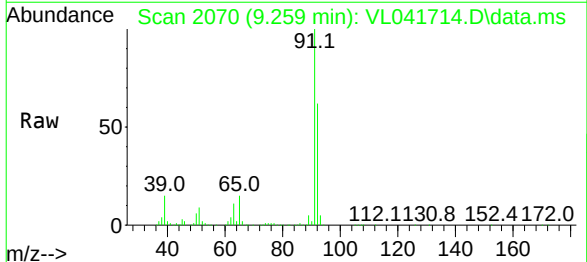
Manual Integrations
APPROVED

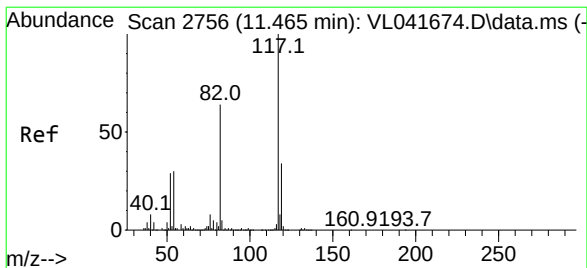
Reviewed By :Semsettin Yesilyurt 12/02/2024
Supervised By :Mahesh Dadoda 12/03/2024



#53
Toluene
Concen: 21.298 ppbv
RT: 9.259 min Scan# 2070
Delta R.T. 0.007 min
Lab File: VL041714.D
Acq: 21 Nov 2024 14:12

Tgt Ion: 91 Resp: 4863423
Ion Ratio Lower Upper
91 100
92 62.1 49.0 73.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.504 min Scan# 27

Delta R.T. 0.007 min

Lab File: VL041714.D

Acq: 21 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

E070-1100DL

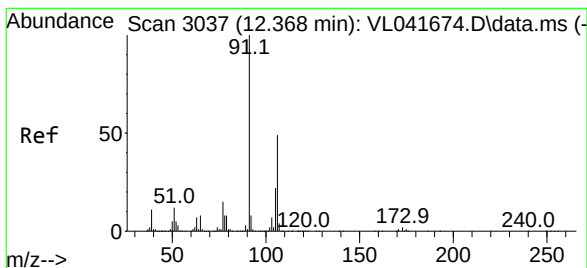
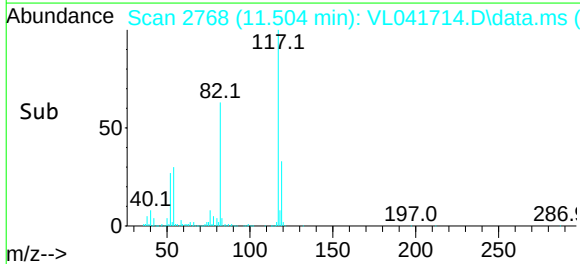
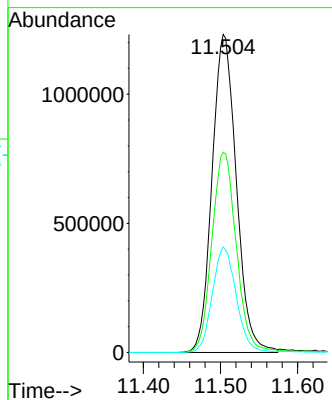
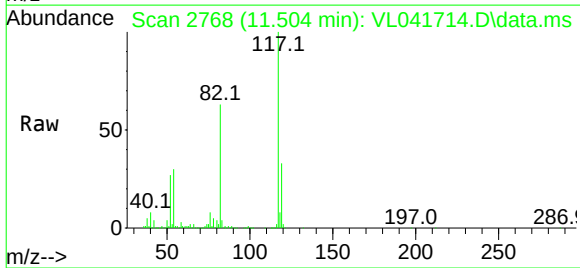
Tgt Ion:117 Resp: 2692925

Ion	Ratio	Lower	Upper
117	100		
82	64.3	49.8	74.8
119	32.9	24.2	36.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/02/2024
Supervised By :Mahesh Dadoda 12/03/2024



#59

m/p-Xylene

Concen: 22.185 ppbv

RT: 12.413 min Scan# 3051

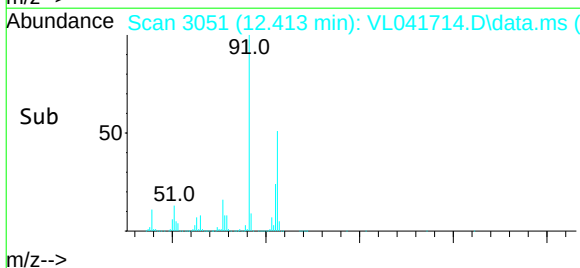
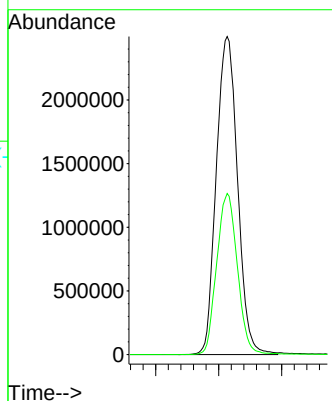
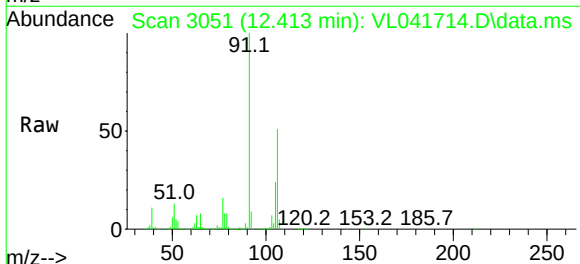
Delta R.T. 0.010 min

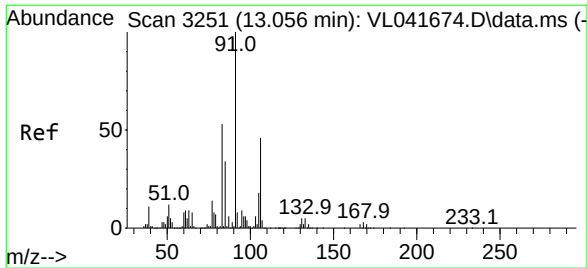
Lab File: VL041714.D

Acq: 21 Nov 2024 14:12

Tgt Ion: 91 Resp: 5865203

Ion	Ratio	Lower	Upper
91	100		
106	49.3	36.9	55.3





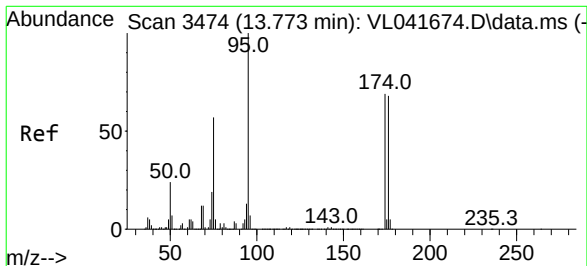
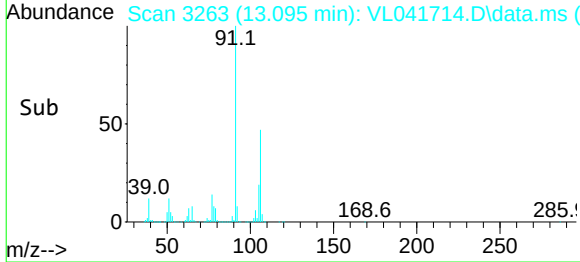
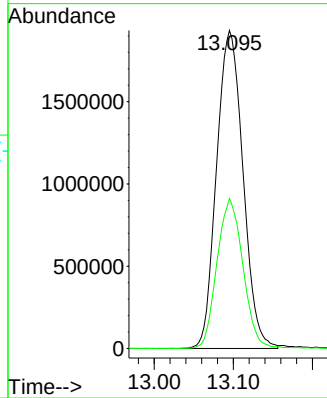
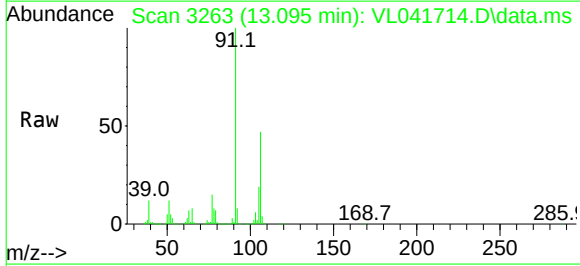
#60
o-Xylene
Concen: 17.783 ppbv
RT: 13.095 min Scan# 3251
Delta R.T. 0.006 min
Lab File: VL041714.D
Acq: 21 Nov 2024 14:12

Instrument :
MSVOA_L
ClientSampleId :
E070-1100DL

Tgt Ion: 91 Resp: 4483154
Ion Ratio Lower Upper
91 100
106 46.5 23.2 69.6

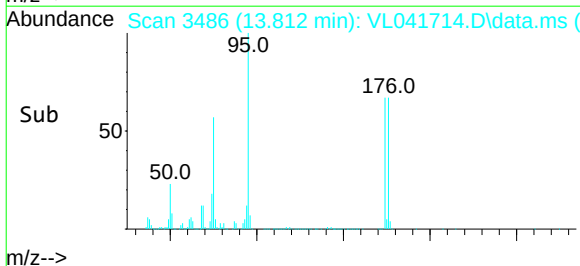
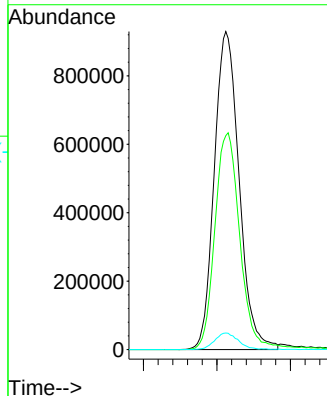
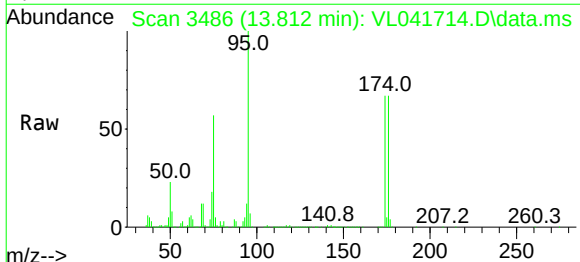
Manual Integrations
APPROVED

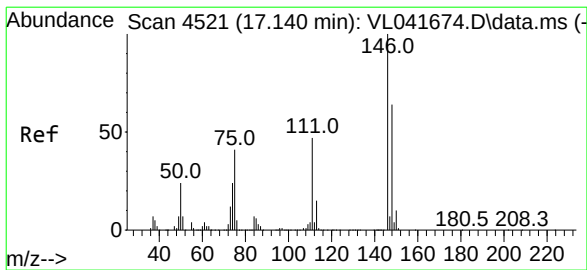
Reviewed By :Semsettin Yesilyurt 12/02/2024
Supervised By :Mahesh Dadoda 12/03/2024



#68
1-Bromo-4-Fluorobenzene
Concen: 10.994 ppbv
RT: 13.812 min Scan# 3486
Delta R.T. 0.006 min
Lab File: VL041714.D
Acq: 21 Nov 2024 14:12

Tgt Ion: 95 Resp: 2181457
Ion Ratio Lower Upper
95 100
174 69.7 55.6 83.4
175 5.1 4.2 6.2





#77

1,2-Dichlorobenzene

Concen: 14.901 ppbv

RT: 17.179 min Scan# 45

Delta R.T. 0.003 min

Lab File: VL041714.D

Acq: 21 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

E070-1100DL

Tgt Ion:146 Resp: 2731245

Ion Ratio Lower Upper

146 100

111 46.8 23.4 70.3

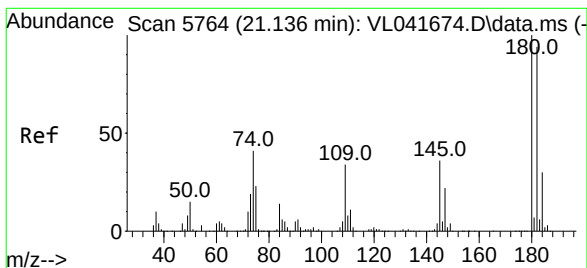
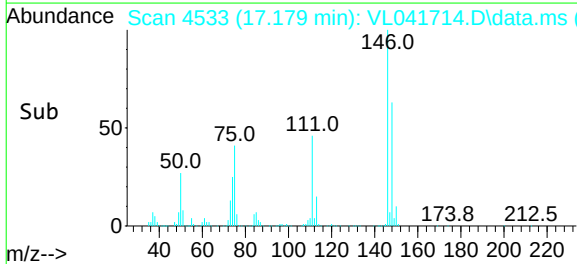
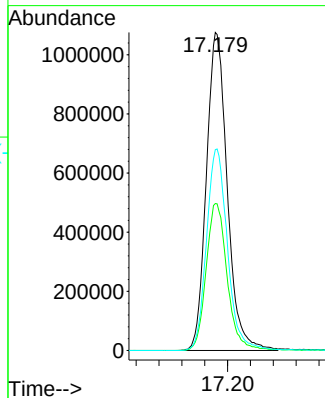
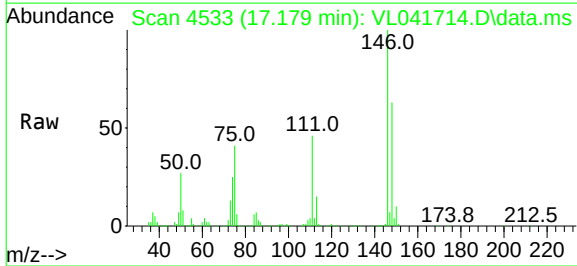
148 63.9 32.1 96.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/02/2024

Supervised By :Mahesh Dadoda 12/03/2024



#81

1,2,4-Trichlorobenzene

Concen: 11.723 ppbv

RT: 21.182 min Scan# 5778

Delta R.T. 0.006 min

Lab File: VL041714.D

Acq: 21 Nov 2024 14:12

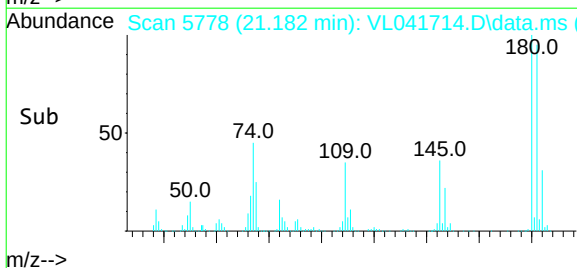
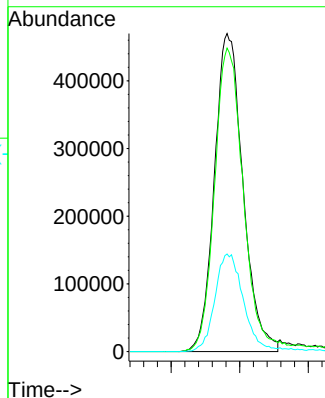
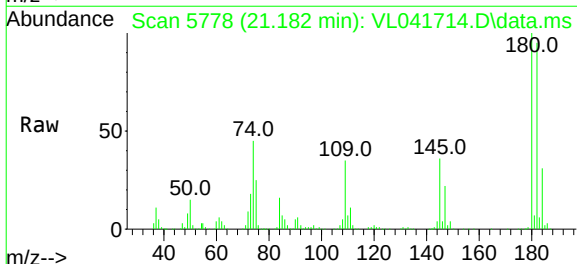
Tgt Ion:180 Resp: 1359517

Ion Ratio Lower Upper

180 100

182 99.3 78.2 117.2

184 31.4 25.0 37.4



Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/25/24
Project:	NJ Air PT	Date Received:	10/30/24
Client Sample ID:	E070-1100DL2	SDG No.:	P4633
Lab Sample ID:	P4633-01DL2	Matrix:	Air
Analytical Method:	TO-15	Test:	VOCMS Group3
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL041715.D	4		11/21/24 15:06	VL112124

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-45-6	Chlorodifluoromethane	0.35	1.24	UD	1.24	7.07	ug/m3
75-71-8	Dichlorodifluoromethane	0.84	4.15	UD	4.15	9.89	ug/m3
64-17-5	Ethanol	1.30	2.45	UDQ	2.45	3.77	ug/m3
74-87-3	Chloromethane	0.39	0.81	UD	0.81	4.13	ug/m3
75-01-4	Vinyl Chloride	0.060	0.15	UD	0.15	0.31	ug/m3
141-78-6	Ethyl Acetate	0.32	1.27	UD	1.27	7.93	ug/m3
74-83-9	Bromomethane	0.56	2.17	UD	2.17	7.77	ug/m3
75-00-3	Chloroethane	49.2	130	D	1.79	5.28	ug/m3
109-99-9	Tetrahydrofuran	0.52	1.53	UD	1.53	5.90	ug/m3
75-69-4	Trichlorofluoromethane	0.64	3.60	UD	3.60	11.2	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.64	4.91	UD	4.91	15.3	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.35	2.45	UD	2.45	14.0	ug/m3
593-60-2	Bromoethene	0.48	2.10	UD	2.10	8.74	ug/m3
115-07-1	Propene	0.60	1.03	UD	1.03	3.44	ug/m3
75-65-0	tert-Butyl alcohol	0.76	2.30	UD	2.30	6.06	ug/m3
142-82-5	Heptane	22.2	91.0	D	1.80	8.20	ug/m3
67-63-0	Isopropyl Alcohol	0.28	0.69	UD	0.69	4.92	ug/m3
75-35-4	1,1-Dichloroethene	19.0	75.3	D	2.22	7.93	ug/m3
67-64-1	Acetone	0.96	2.28	UD	2.28	4.75	ug/m3
75-15-0	Carbon Disulfide	0.64	1.99	UD	1.99	6.23	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.48	1.73	UD	1.73	7.21	ug/m3
75-09-2	Methylene Chloride	0.76	2.64	UD	2.64	6.95	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.76	3.01	UD	3.01	7.93	ug/m3
108-05-4	Vinyl Acetate	0.64	2.30	UD	2.30	7.20	ug/m3
75-34-3	1,1-Dichloroethane	0.52	2.10	UD	2.10	8.09	ug/m3
110-82-7	Cyclohexane	0.88	3.03	UD	3.03	6.88	ug/m3
78-93-3	2-Butanone	0.48	1.42	UD	1.42	5.90	ug/m3
56-23-5	Carbon Tetrachloride	26.6	167	D	0.25	0.75	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.36	1.43	UD	1.43	7.93	ug/m3
67-66-3	Chloroform	0.33	1.61	UD	1.61	9.77	ug/m3
71-55-6	1,1,1-Trichloroethane	0.040	0.22	UD	0.22	0.65	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.40	1.87	UD	1.87	9.34	ug/m3
71-43-2	Benzene	0.35	1.12	UD	1.12	6.39	ug/m3
107-06-2	1,2-Dichloroethane	0.36	1.46	UD	1.46	8.09	ug/m3
79-01-6	Trichloroethene	0.070	0.38	UDQ	0.38	0.64	ug/m3

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/25/24
Project:	NJ Air PT	Date Received:	10/30/24
Client Sample ID:	E070-1100DL2	SDG No.:	P4633
Lab Sample ID:	P4633-01DL2	Matrix:	Air
Analytical Method:	TO-15	Test:	VOCMS Group3
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL041715.D	4		11/21/24 15:06	VL112124

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
78-87-5	1,2-Dichloropropane	0.44	2.03	UD	2.03	9.24	ug/m3
75-27-4	Bromodichloromethane	17.3	116	D	2.08	13.4	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.37	1.52	UD	1.52	8.20	ug/m3
108-88-3	Toluene	41.2	155	D	1.66	7.54	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.24	1.09	UD	1.09	9.08	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.26	1.18	UD	1.18	9.08	ug/m3
79-00-5	1,1,2-Trichloroethane	0.28	1.53	UD	1.53	10.9	ug/m3
591-78-6	2-Hexanone	0.32	1.31	UD	1.31	8.18	ug/m3
124-48-1	Dibromochloromethane	0.26	2.22	UD	2.22	17.0	ug/m3
106-93-4	1,2-Dibromoethane	0.29	2.23	UD	2.23	3.07	ug/m3
127-18-4	Tetrachloroethene	0.060	0.41	UD	0.41	0.81	ug/m3
108-90-7	Chlorobenzene	0.30	1.38	UD	1.38	9.21	ug/m3
100-41-4	Ethyl Benzene	0.48	2.08	UD	2.08	8.69	ug/m3
179601-23-1	m/p-Xylene	43.6	189	D	3.65	17.4	ug/m3
1330-20-7	Total Xylenes	78.1	339	D	5.73	26.1	ug/m3
95-47-6	o-Xylene	34.5	150	D	2.08	8.69	ug/m3
100-42-5	Styrene	0.44	1.87	UD	1.87	8.52	ug/m3
75-25-2	Bromoform	0.23	2.38	UD	2.38	20.7	ug/m3
98-82-8	Isopropylbenzene	0.35	1.72	UD	1.72	9.83	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.040	0.27	UDQ	0.27	0.82	ug/m3
95-49-8	2-Chlorotoluene	0.44	2.28	UD	2.28	10.4	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.44	2.16	UD	2.16	9.83	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.31	1.52	UD	1.52	9.83	ug/m3
541-73-1	1,3-Dichlorobenzene	0.32	1.92	UD	1.92	12.0	ug/m3
106-46-7	1,4-Dichlorobenzene	0.21	1.26	UD	1.26	12.0	ug/m3
95-50-1	1,2-Dichlorobenzene	27.0	162	D	1.80	12.0	ug/m3
120-82-1	1,2,4-Trichlorobenzene	18.5	137	D	2.52	14.8	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.34	3.63	UD	3.63	21.3	ug/m3
106-99-0	1,3-Butadiene	0.52	1.15	UD	1.15	4.42	ug/m3
91-20-3	Naphthalene	0.30	1.57	UDQ	1.57	2.10	ug/m3
622-96-8	4-Ethyltoluene	0.48	2.36	UD	2.36	9.83	ug/m3
110-54-3	Hexane	0.44	1.55	UD	1.55	7.05	ug/m3
107-05-1	Allyl Chloride	0.60	1.88	UD	1.88	6.26	ug/m3
123-91-1	1,4-Dioxane	0.84	3.03	UD	3.03	7.21	ug/m3
100-44-7	Benzyl Chloride	0.72	3.73	UDQ	3.73	10.4	ug/m3
80-62-6	Methyl Methacrylate	0.34	1.39	UD	1.39	8.19	ug/m3

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/25/24
Project:	NJ Air PT	Date Received:	10/30/24
Client Sample ID:	E070-1100DL2	SDG No.:	P4633
Lab Sample ID:	P4633-01DL2	Matrix:	Air
Analytical Method:	TO-15	Test:	VOCMS Group3
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL041715.D	4		11/21/24 15:06	VL112124

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.6			65 - 135	106%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	1060000		5.23			
540-36-3	1,4-Difluorobenzene	2920000		6.687			
3114-55-4	Chlorobenzene-d5	2650000		11.50			

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112124\
 Data File : VL041715.D
 Acq On : 21 Nov 2024 15:06
 Operator : SY/MD
 Sample : P4633-01DL2 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 E070-1100DL2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/02/2024
 Supervised By :Mahesh Dadoda 12/03/2024

Quant Time: Nov 22 01:08:22 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Nov 22 01:00:55 2024

Response via : Initial Calibration

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

Internal Standards							
1) Bromochloromethane		5.230	49	1063727	10.000	ppbv	0.00
33) 1,4-Difluorobenzene		6.687	114	2922287	10.000	ppbv	0.00
55) Chlorobenzene-d5		11.503	117	2654968	10.000	ppbv	0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene		13.812	95	2071565	10.590	ppbv	0.00
Spiked Amount		10.000	Range 65 - 135		Recovery	= 105.900%	
Target Compounds							
							Qvalue
7) Chloroethane		3.237	64	296345m	12.296	ppbv	
10) Heptane		7.616	43	750273	5.544	ppbv	99
18) 1,1-Dichloroethene		3.918	96	252904m	4.737	ppbv	
35) Carbon Tetrachloride		6.532	117	1025832	6.653	ppbv	97
42) Bromodichloromethane		7.285	83	734738	4.328	ppbv	99
53) Toluene		9.256	91	2347642	10.310	ppbv	100
59) m/p-Xylene		12.410	91	2844916	10.915	ppbv	96
60) o-Xylene		13.092	91	2141646	8.617	ppbv	100
77) 1,2-Dichlorobenzene		17.182	146	1217081	6.735	ppbv	100
81) 1,2,4-Trichlorobenzene		21.188	180	528368m	4.621	ppbv	

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

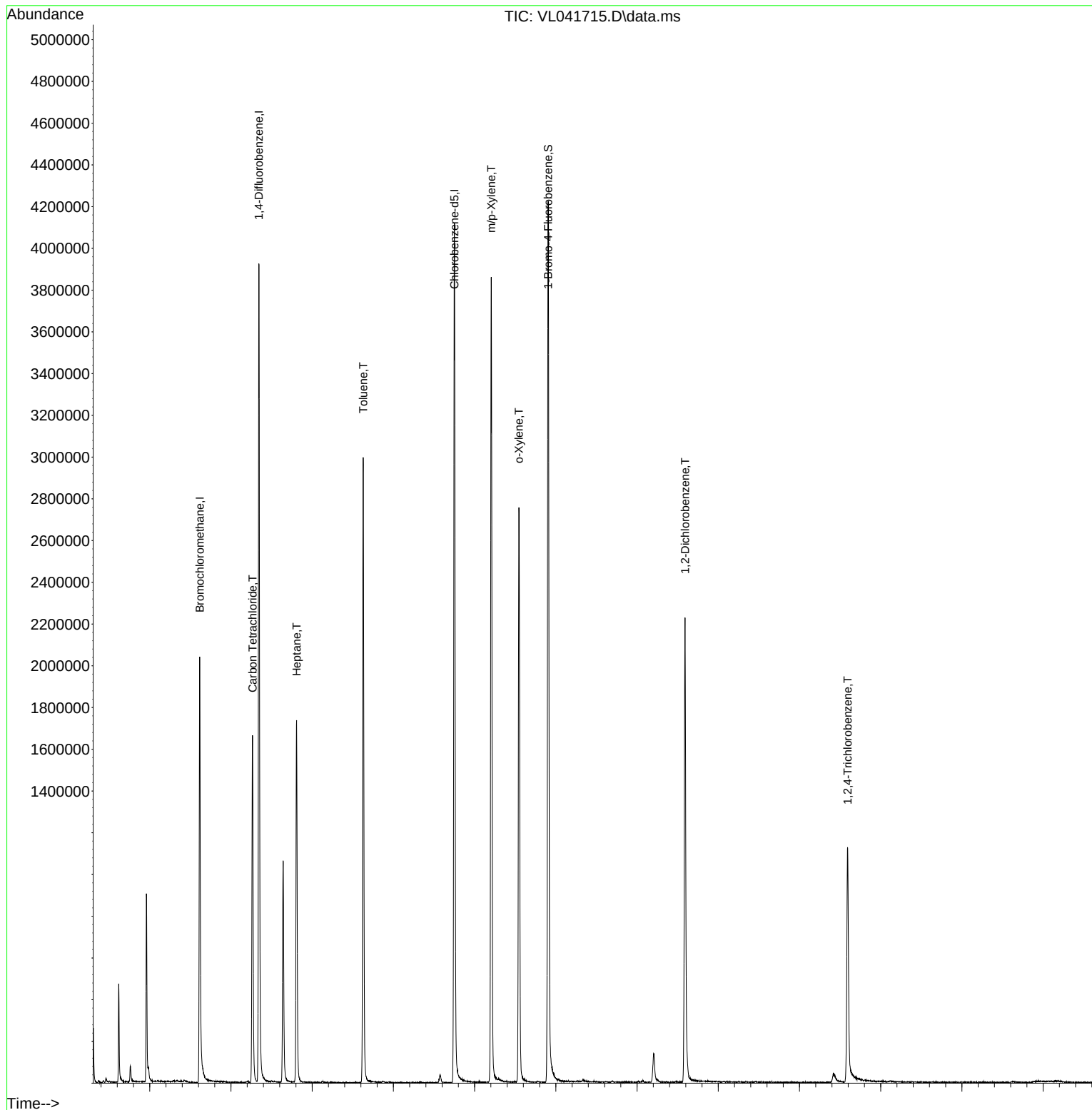
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112124\
Data File : VL041715.D
Acq On : 21 Nov 2024 15:06
Operator : SY/MD
Sample : P4633-01DL2 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

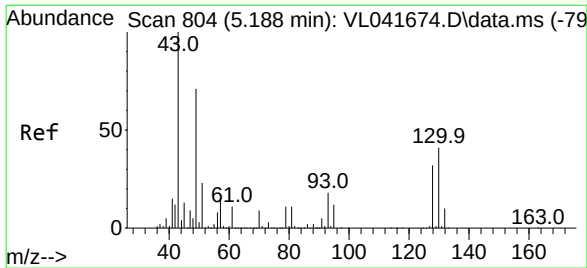
Instrument :
MSVOA_L
ClientSampleId :
E070-1100DL2

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/02/2024
Supervised By :Mahesh Dadoda 12/03/2024

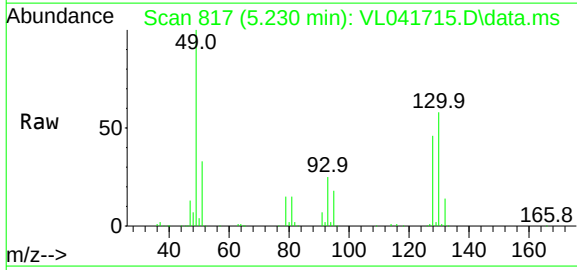
Quant Time: Nov 22 01:08:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Nov 22 01:00:55 2024
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.230 min Scan# 81
Delta R.T. 0.009 min
Lab File: VL041715.D
Acq: 21 Nov 2024 15:06

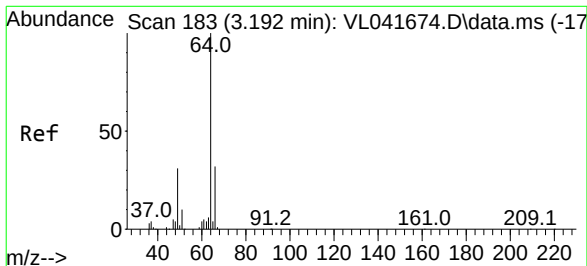
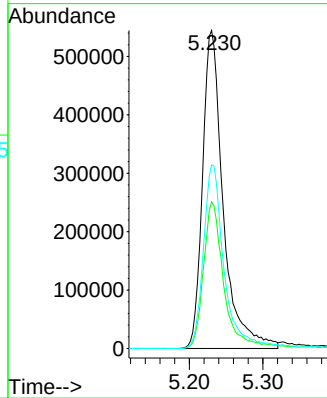
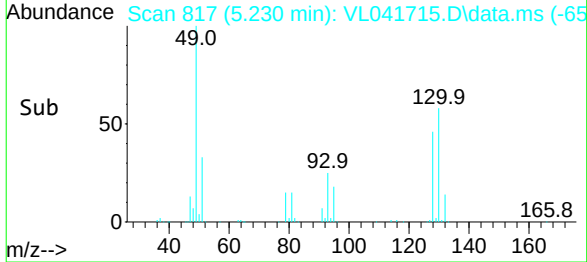
Instrument :
MSVOA_L
ClientSampleId :
E070-1100DL2



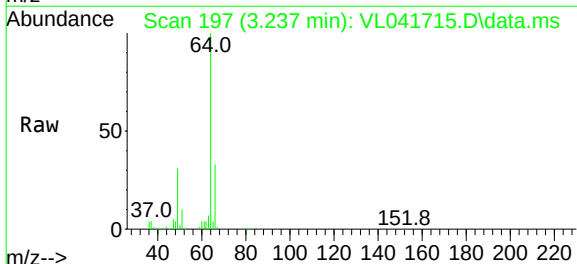
Tgt Ion: 49 Resp: 1063727
Ion Ratio Lower Upper
49 100
128 46.3 23.8 71.2
130 59.8 30.1 90.5

Manual Integrations
APPROVED

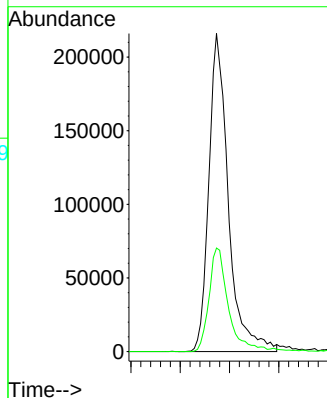
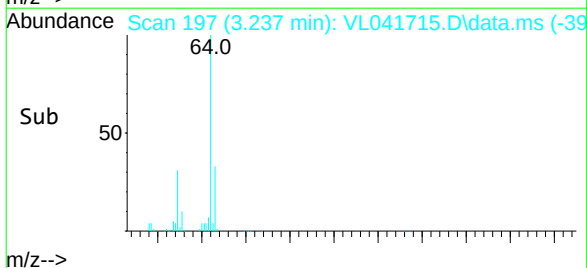
Reviewed By :Semsettin Yesilyurt 12/02/2024
Supervised By :Mahesh Dadoda 12/03/2024

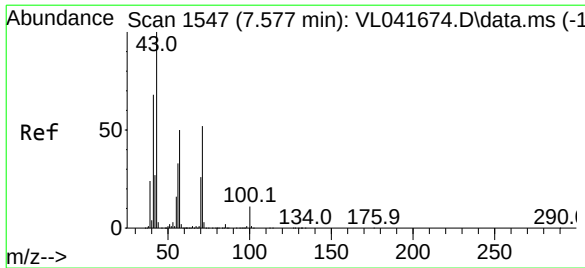


#7
Chloroethane
Concen: 12.296 ppbv m
RT: 3.237 min Scan# 197
Delta R.T. 0.010 min
Lab File: VL041715.D
Acq: 21 Nov 2024 15:06



Tgt Ion: 64 Resp: 296345
Ion Ratio Lower Upper
64 100
66 32.6 25.9 38.9





#10

Heptane

Concen: 5.544 ppbv

RT: 7.616 min Scan# 15

Delta R.T. 0.006 min

Lab File: VL041715.D

Acq: 21 Nov 2024 15:06

Instrument :

MSVOA_L

ClientSampleId :

E070-1100DL2

Tgt Ion: 43 Resp: 750273

Ion Ratio Lower Upper

43 100

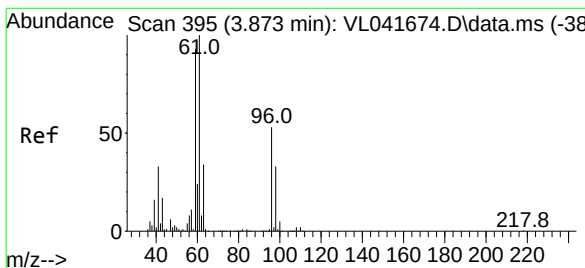
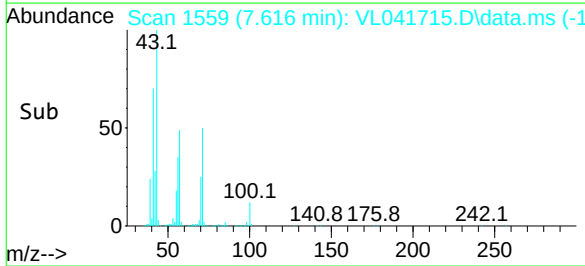
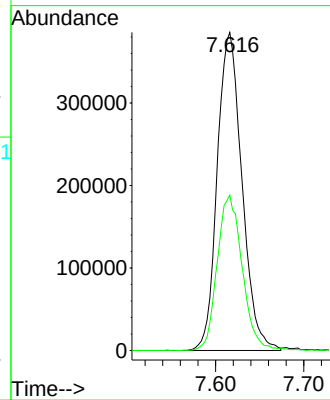
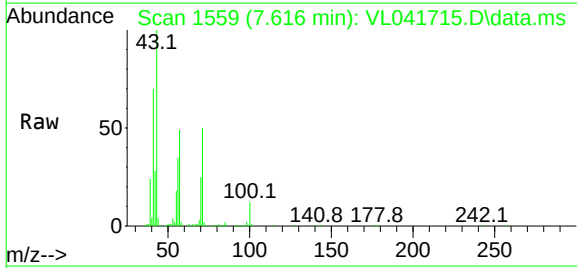
57 49.6 40.0 60.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/02/2024

Supervised By :Mahesh Dadoda 12/03/2024



#18

1,1-Dichloroethene

Concen: 4.737 ppbv m

RT: 3.918 min Scan# 409

Delta R.T. 0.010 min

Lab File: VL041715.D

Acq: 21 Nov 2024 15:06

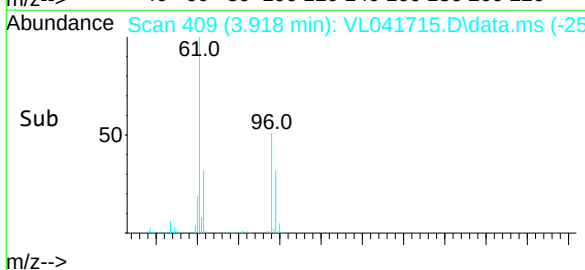
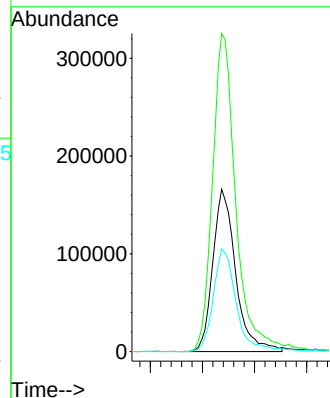
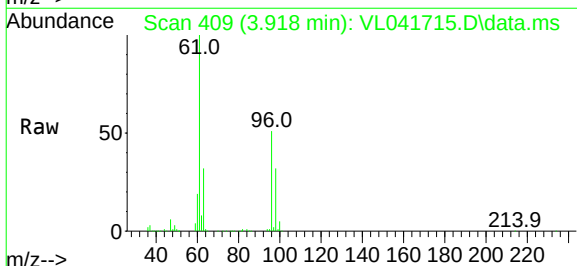
Tgt Ion: 96 Resp: 252904

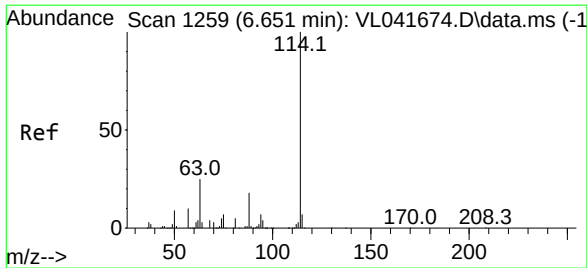
Ion Ratio Lower Upper

96 100

61 195.9 150.7 226.1

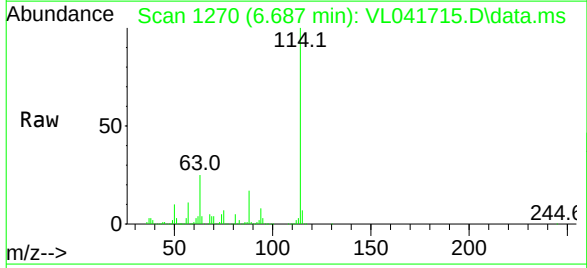
98 63.3 49.4 74.2





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.687 min Scan# 1222
Delta R.T. 0.003 min
Lab File: VL041715.D
Acq: 21 Nov 2024 15:06

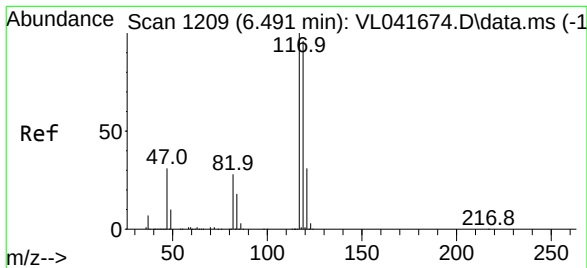
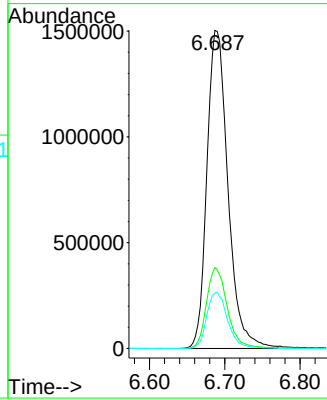
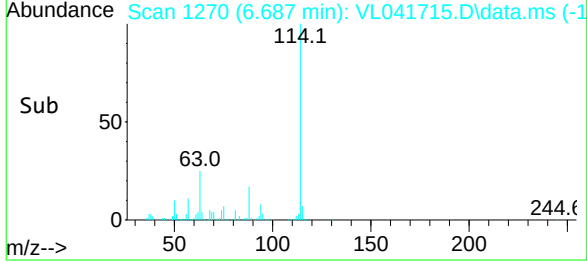
Instrument :
MSVOA_L
ClientSampleId :
E070-1100DL2



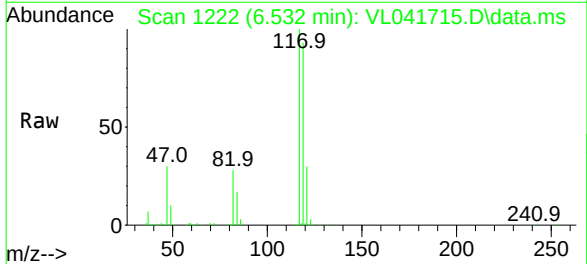
Tgt Ion:114 Resp: 2922287
Ion Ratio Lower Upper
114 100
63 25.3 20.3 30.5
88 17.6 14.2 21.4

Manual Integrations
APPROVED

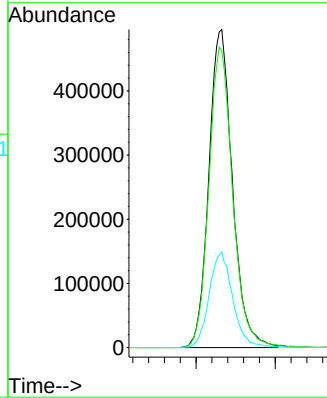
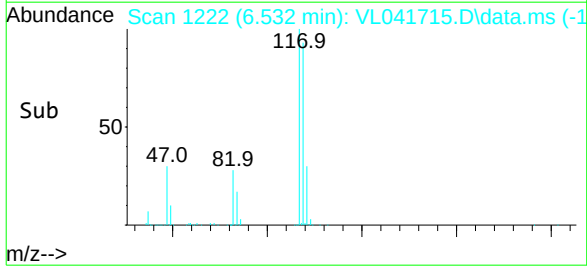
Reviewed By :Semsettin Yesilyurt 12/02/2024
Supervised By :Mahesh Dadoda 12/03/2024

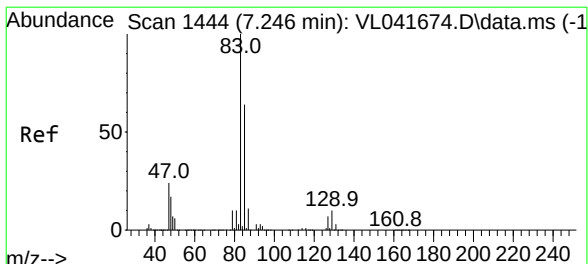


#35
Carbon Tetrachloride
Concen: 6.653 ppbv
RT: 6.532 min Scan# 1222
Delta R.T. 0.006 min
Lab File: VL041715.D
Acq: 21 Nov 2024 15:06



Tgt Ion:117 Resp: 1025832
Ion Ratio Lower Upper
117 100
119 93.2 77.2 115.8
121 30.1 25.0 37.4





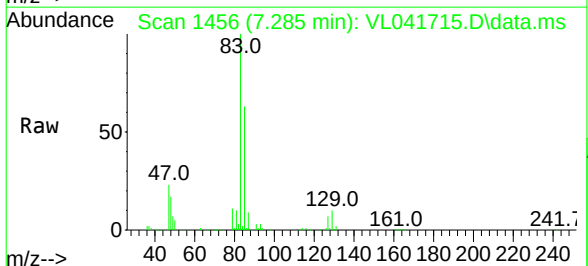
#42
 Bromodichloromethane
 Concen: 4.328 ppbv
 RT: 7.285 min Scan# 14
 Delta R.T. 0.003 min
 Lab File: VL041715.D
 Acq: 21 Nov 2024 15:06

Instrument :

MSVOA_L

ClientSampleId :

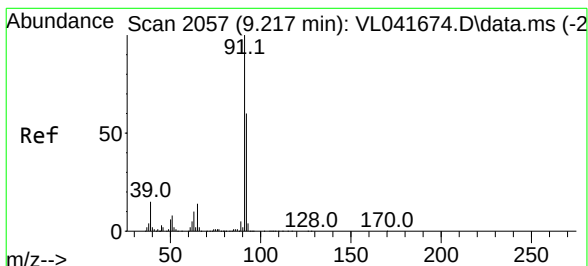
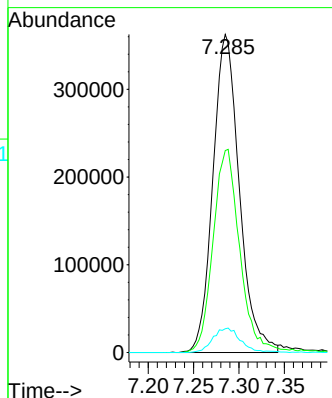
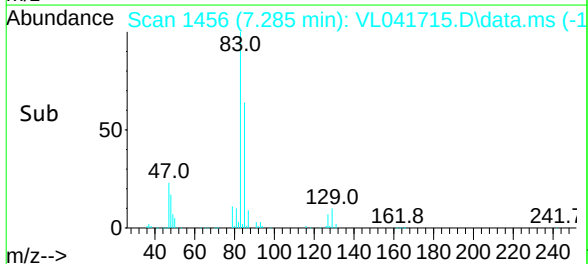
E070-1100DL2



Tgt Ion:	83	Resp:	734738
Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.2	76.8
127	7.5	6.0	9.0

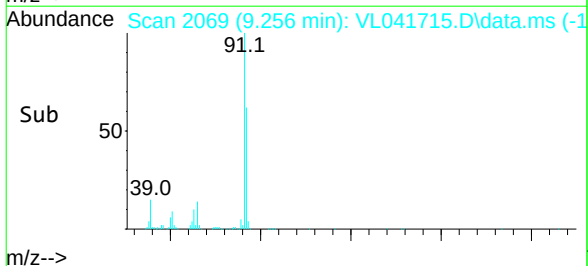
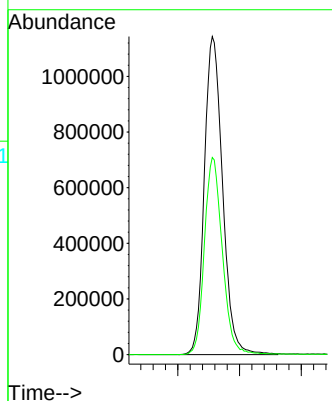
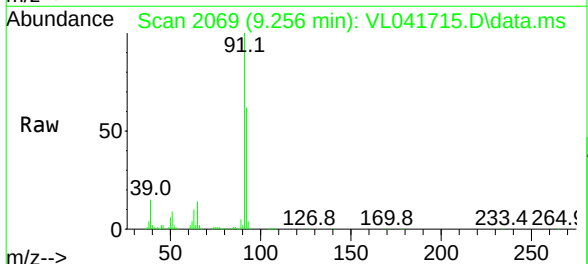
Manual Integrations
 APPROVED

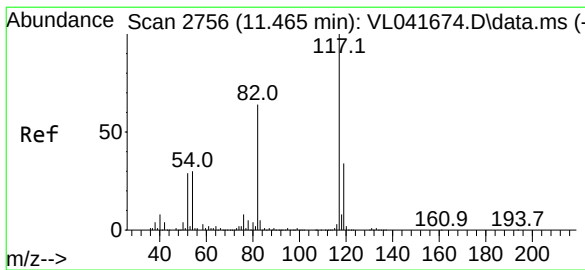
Reviewed By :Semsettin Yesilyurt 12/02/2024
 Supervised By :Mahesh Dadoda 12/03/2024



#53
 Toluene
 Concen: 10.310 ppbv
 RT: 9.256 min Scan# 2069
 Delta R.T. 0.003 min
 Lab File: VL041715.D
 Acq: 21 Nov 2024 15:06

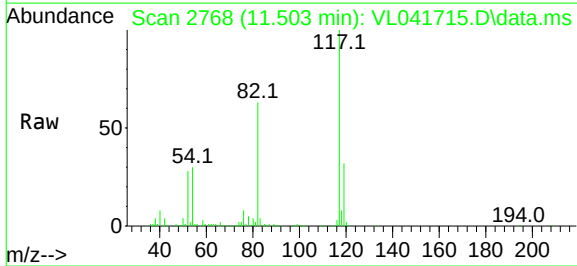
Tgt Ion:	91	Resp:	2347642
Ion	Ratio	Lower	Upper
91	100		
92	60.8	49.0	73.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.503 min Scan# 2756
Delta R.T. 0.006 min
Lab File: VL041715.D
Acq: 21 Nov 2024 15:06

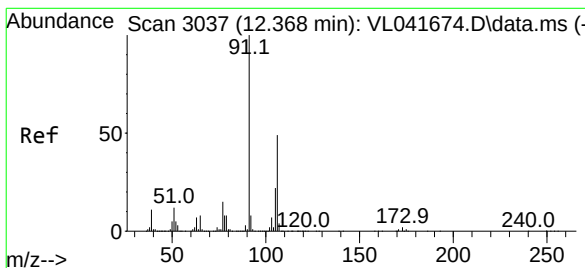
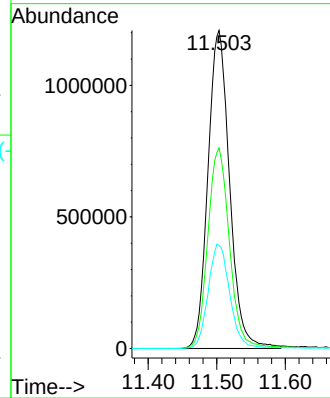
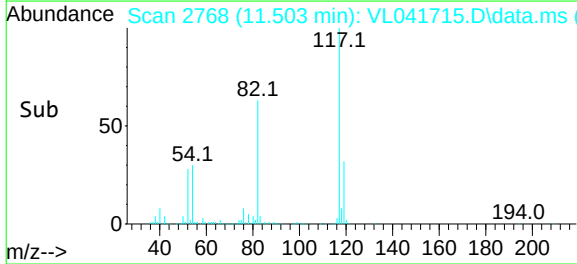
Instrument :
MSVOA_L
ClientSampleId :
E070-1100DL2



Tgt Ion: 117 Resp: 2654968
Ion Ratio Lower Upper
117 100
82 63.9 49.8 74.8
119 33.0 24.2 36.4

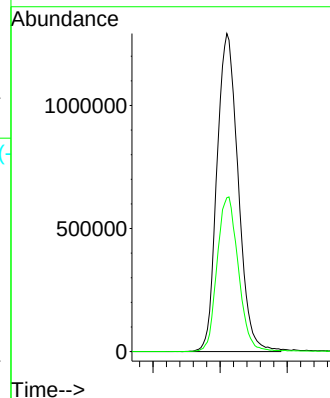
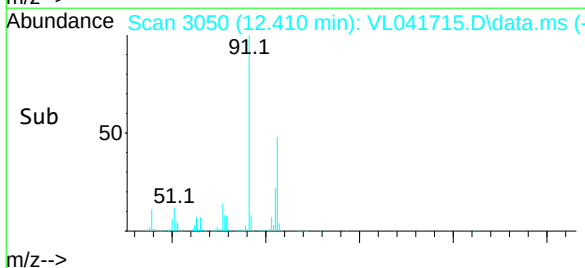
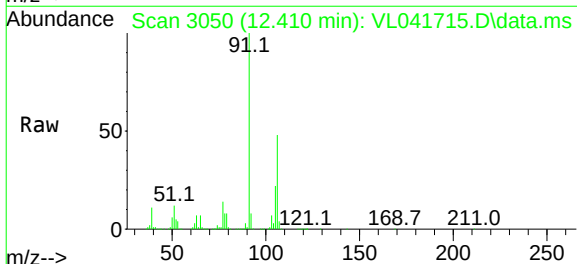
Manual Integrations
APPROVED

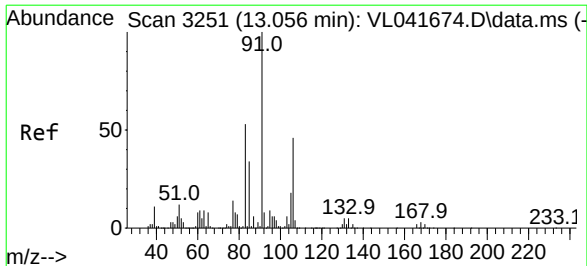
Reviewed By :Semsettin Yesilyurt 12/02/2024
Supervised By :Mahesh Dadoda 12/03/2024



#59
m/p-Xylene
Concen: 10.915 ppbv
RT: 12.410 min Scan# 3050
Delta R.T. 0.006 min
Lab File: VL041715.D
Acq: 21 Nov 2024 15:06

Tgt Ion: 91 Resp: 2844916
Ion Ratio Lower Upper
91 100
106 48.9 36.9 55.3





#60

o-Xylene

Concen: 8.617 ppbv

RT: 13.092 min Scan# 32

Delta R.T. 0.003 min

Lab File: VL041715.D

Acq: 21 Nov 2024 15:06

Instrument :

MSVOA_L

ClientSampleId :

E070-1100DL2

Tgt Ion: 91 Resp: 2141646

Ion Ratio Lower Upper

91 100

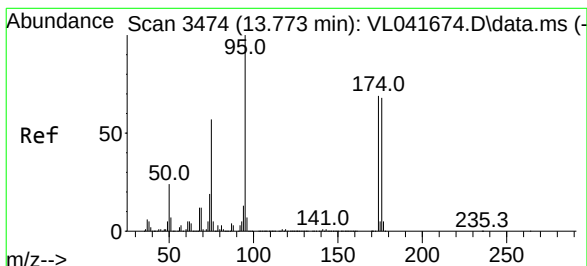
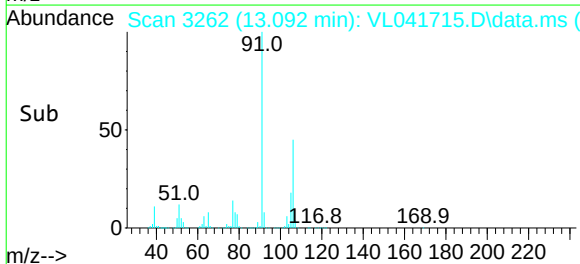
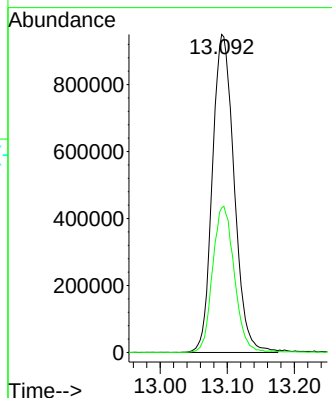
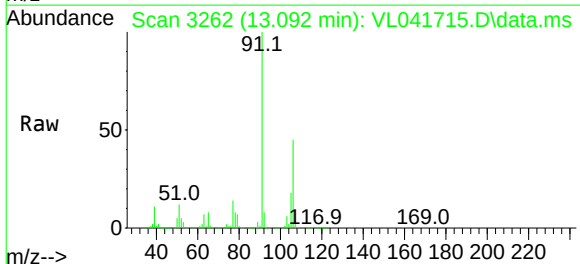
106 46.2 23.2 69.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/02/2024

Supervised By :Mahesh Dadoda 12/03/2024



#68

1-Bromo-4-Fluorobenzene

Concen: 10.590 ppbv

RT: 13.812 min Scan# 3486

Delta R.T. 0.006 min

Lab File: VL041715.D

Acq: 21 Nov 2024 15:06

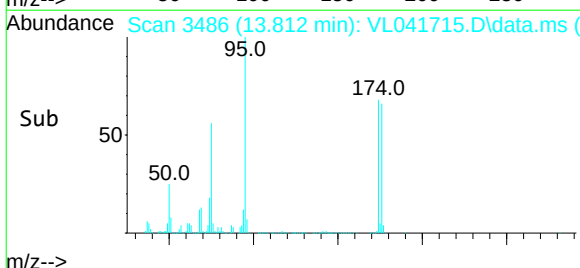
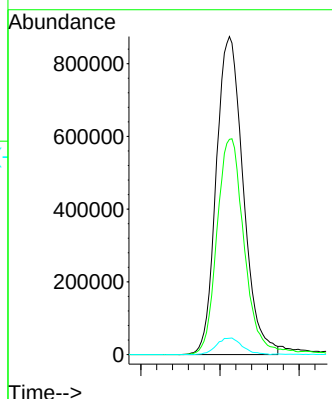
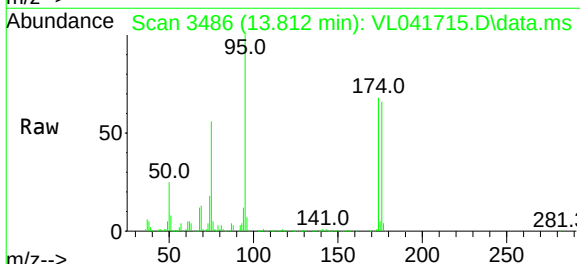
Tgt Ion: 95 Resp: 2071565

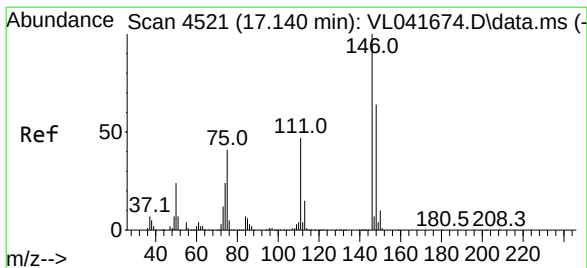
Ion Ratio Lower Upper

95 100

174 70.1 55.6 83.4

175 5.1 4.2 6.2





#77

1,2-Dichlorobenzene

Concen: 6.735 ppbv

RT: 17.182 min Scan# 45

Delta R.T. 0.006 min

Lab File: VL041715.D

Acq: 21 Nov 2024 15:06

Instrument :

MSVOA_L

ClientSampleId :

E070-1100DL2

Tgt Ion:146 Resp: 1217081

Ion Ratio Lower Upper

146 100

111 47.3 23.4 70.3

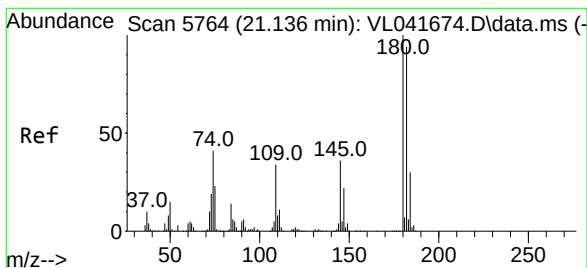
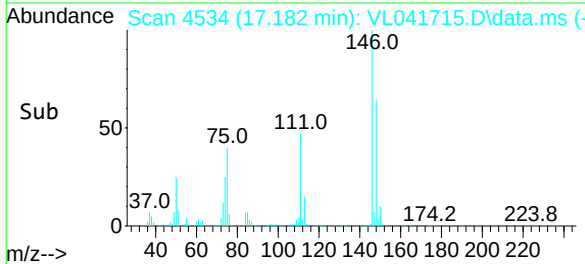
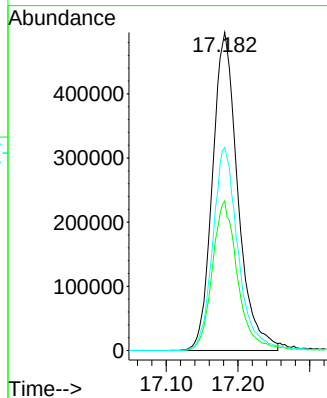
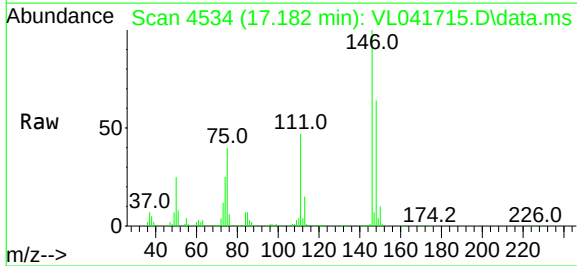
148 64.3 32.1 96.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/02/2024

Supervised By :Mahesh Dadoda 12/03/2024



#81

1,2,4-Trichlorobenzene

Concen: 4.621 ppbv m

RT: 21.188 min Scan# 5780

Delta R.T. 0.013 min

Lab File: VL041715.D

Acq: 21 Nov 2024 15:06

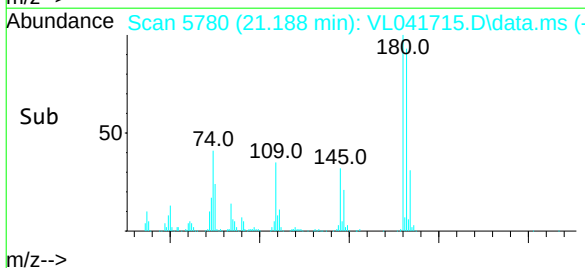
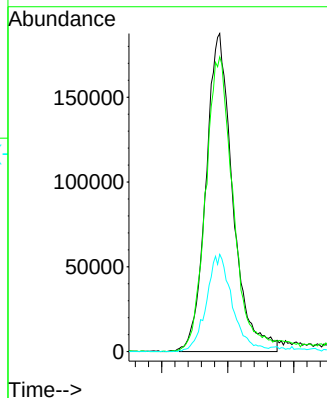
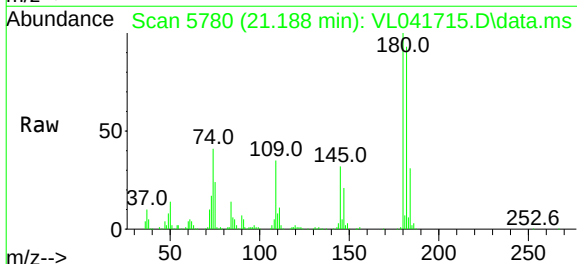
Tgt Ion:180 Resp: 528368

Ion Ratio Lower Upper

180 100

182 100.8 78.2 117.2

184 30.8 25.0 37.4





CALIBRATION SUMMARY

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\

Method File : VL110724AIR.M

Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

Last Update : Fri Nov 08 01:01:00 2024

Response Via : Initial Calibration

Calibration Files

0.03=VL041679.D 0.1 =VL041678.D 0.5 =VL041677.D 1 =VL041676.D 2 =VL041675.D 10 =VL041674.D 15 =VL041680.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			1.665	1.533	2.128	1.887	1.824	1.807	12.52
3) Chlorodifluoro...			1.407	1.386	1.360	1.190	1.172	1.303	8.66
4) Chloromethane			0.714	0.732	0.721	0.649	0.635	0.690	6.46
5) T Vinyl Chloride	0.643	0.490	0.627	0.660	0.680	0.626	0.621	0.621	9.91
6) T Bromomethane			0.337	0.328	0.347	0.317	0.318	0.329	3.87
7) Chloroethane			0.227	0.232	0.233	0.223	0.219	0.227	2.65
8) T Dichlorotetra...			1.783	1.677	1.685	1.476	1.446	1.613	9.02
9) T Propene			0.566	0.610	0.603	0.530	0.530	0.568	6.76
10) T Heptane			1.093	1.257	1.364	1.311	1.336	1.272	8.48
11) T Trichlorofluor...			1.609	1.644	1.673	1.480	1.465	1.574	6.09
12) T 1,1,2-Trichlor...			1.165	1.195	1.214	1.074	1.073	1.144	5.83
13) Ethanol			0.036	0.033	0.046	0.029	0.030	0.035#	19.45
14) T Bromoethene			0.486	0.465	0.476	0.431	0.442	0.460	5.06
15) T Acetone			1.201	1.403	1.348	1.098	1.103	1.231	11.36
16) T 1,3-Butadiene			0.585	0.572	0.689	0.627	0.632	0.621	7.40
17) tert-Butyl alc...			1.059	1.294	1.036	1.038	0.973	1.080	11.46
18) T 1,1-Dichloroet...			0.533	0.491	0.521	0.476	0.488	0.502	4.79
19) T Isopropyl Alcohol			0.561	0.696	0.600	0.552	0.532	0.588	11.03
20) T Methylene Chlo...			0.514	0.501	0.447	0.400	0.402	0.453	11.86
21) T Allyl Chloride			0.688	0.807	0.778	0.759	0.770	0.761	5.78
22) T trans-1,2-Dich...			0.475	0.515	0.529	0.484	0.493	0.499	4.51
23) T Vinyl Acetate			0.492	0.558	0.606	0.514	0.542	0.543	8.07
24) T 1,1-Dichloroet...			1.074	1.116	1.287	1.045	1.047	1.114	9.06
25) T Ethyl Acetate			2.443	2.674	2.681	2.463	2.477	2.548	4.69
26) T Hexane			0.881	1.031	1.025	0.966	0.991	0.979	6.19
27) T Carbon Disulfide			0.915	1.056	1.141	1.174	1.212	1.100	10.74
28) T Methyl tert-Bu...			0.591	0.669	0.739	0.573	0.578	0.630	11.45
29) T Chloroform			1.712	1.670	1.646	1.520	1.530	1.616	5.34
30) T Cyclohexane			0.901	0.744	0.852	0.825	0.846	0.833	6.87
31) T cis-1,2-Dichlo...			0.873	0.972	0.959	0.936	0.968	0.942	4.32
32) T 1,1,1-Trichlor...	1.373	1.289	1.468	1.574	1.619	1.488	1.507	1.474	7.66

33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.488	0.500	0.524	0.478	0.499	0.498	3.43
35) T Carbon Tetrach...	0.420	0.425	0.553	0.563	0.597	0.564	0.572	0.528	13.81
36) T Benzene			0.663	0.751	0.803	0.738	0.750	0.741	6.83
37) T 1,2-Dichloroet...			0.396	0.433	0.435	0.408	0.417	0.418	3.95
38) T Trichloroethene	0.273	0.232	0.264	0.289	0.320	0.303	0.313	0.285	10.81
39) T 1,2-Dichloropr...			0.278	0.299	0.308	0.284	0.294	0.293	4.03

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\										
Method File : VL110724AIR.M										
40) T	1,4-Dioxane			0.072	0.105	0.123	0.111	0.114	0.105	18.41
41) T	Tetrahydrofuran			0.234	0.281	0.309	0.295	0.304	0.284	10.65
42) T	Bromodichlorom...			0.533	0.566	0.615	0.590	0.601	0.581	5.52
43)	Methyl Methacr...			0.196	0.237	0.278	0.288	0.302	0.260	16.62
44) T	2,2,4-Trimethy...			1.086	1.306	1.391	1.251	1.241	1.255	8.91
45) T	t-1,3-Dichloro...			0.164	0.210	0.224	0.282	0.308	0.238	24.24
46) T	cis-1,3-Dichlo...			0.256	0.304	0.350	0.386	0.411	0.341	18.26
47) T	1,1,2-Trichlor...			0.323	0.315	0.325	0.308	0.313	0.317	2.30
48) T	Dibromochlorom...			0.396	0.458	0.511	0.515	0.528	0.482	11.34
49) T	Bromoform			0.317	0.383	0.427	0.459	0.474	0.412	15.45
50) T	4-Methyl-2-Pen...			0.611	0.753	0.841	0.806	0.811	0.764	11.97
51) T	2-Hexanone			0.411	0.496	0.601	0.627	0.649	0.557	18.01
52) T	Tetrachloroethene	0.202	0.192	0.248	0.279	0.285	0.276	0.285	0.252	15.83
53) T	Toluene			0.560	0.761	0.842	0.855	0.878	0.779	16.73
54) T	1,2-Dibromoethane	0.237		0.357	0.366	0.417	0.415	0.429	0.370	19.30
-----ISTD-----										
55) I	Chlorobenzene-d5									
56)	1,1,1,2-Tetrac...			0.426	0.434	0.443	0.381	0.377	0.412	7.56
57) T	Chlorobenzene			0.783	0.780	0.793	0.673	0.669	0.740	8.54
58) T	Ethyl Benzene			0.868	1.092	1.232	1.141	1.148	1.096	12.52
59) T	m/p-Xylene			0.832	1.019	1.112	0.975	0.971	0.982	10.29
60) T	o-Xylene			0.771	0.958	1.068	0.947	0.937	0.936	11.35
61) T	Styrene			0.250	0.336	0.416	0.456	0.475	0.386	24.14
62)	Isopropylbenzene			1.293	1.527	1.633	1.397	1.380	1.446	9.27
63) T	1,1,2,2-Tetrac...	0.731	0.568	0.693	0.740	0.773	0.660	0.656	0.689	9.95
64)	n-propylbenzene			0.325	0.377	0.430	0.378	0.382	0.378	9.76
65)	tert-Butylbenzene			1.123	1.382	1.503	1.251	1.238	1.299	11.25
66) T	Benzyl Chloride			0.083	0.088	0.098	0.108	0.123	0.100	15.94
67)	sec-Butylbenzene			1.586	1.944	2.139	1.761	1.728	1.831	11.68
68) S	1-Bromo-4-Fluo...	0.741	0.750	0.763	0.745	0.722	0.716	0.721	0.737	2.40
69)	p-Isopropyltol...			1.165	1.568	1.739	1.479	1.453	1.481	14.10
70)	n-Butylbenzene			1.233	1.579	1.758	1.510	1.495	1.515	12.49
71)	2-Chlorotoluene			0.848	1.082	1.182	1.055	1.059	1.045	11.64
72) T	4-Ethyltoluene			0.864	1.068	1.233	1.131	1.146	1.088	12.74
73) T	1,3,5-Trimethy...			0.794	0.946	1.096	0.967	0.973	0.955	11.27
74) T	1,2,4-Trimethy...			0.980	1.174	1.262	1.071	1.060	1.109	9.88
75) T	1,3-Dichlorobe...			0.643	0.711	0.750	0.659	0.672	0.687	6.30
76) T	1,4-Dichlorobe...			0.644	0.662	0.711	0.645	0.653	0.663	4.22
77) T	1,2-Dichlorobe...			0.643	0.722	0.739	0.643	0.657	0.681	6.76
78) T	Hexachloro-1,3...			0.620	0.620	0.583	0.428	0.441	0.538	17.89
79) T	Naphthalene	0.269		0.527	0.738	0.854	0.832	0.889	0.685	35.32
80) T	Naphthalene,2-...			0.121	0.128	0.161	0.140	0.197	0.149	20.61
81) T	1,2,4-Trichlor...			0.364	0.452	0.456	0.425	0.456	0.431	9.18

(#) = Out of Range

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
 Data File : VL041674.D
 Acq On : 7 Nov 2024 10:15
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Quant Time: Nov 08 00:09:03 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Nov 08 00:07:44 2024

Response via : Initial Calibration

Reviewed By :Mahesh Dadoda 11/09/2024
 Supervised By :Semsettin Yesilyurt 11/09/2024

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

Internal Standards						
1) Bromochloromethane	5.188	49	1170802	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.651	114	3260349	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	3326206m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.773	95	2380541	9.677	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.726	85	2208753	10.438	ppbv	100
3) Chlorodifluoromethane	2.671	51	1393427	9.135	ppbv	100
4) Chloromethane	2.809	50	760160	9.408	ppbv	100
5) Vinyl Chloride	2.915	62	732442	10.005	ppbv	100
6) Bromomethane	3.115	94	371242	9.628	ppbv	100
7) Chloroethane	3.192	64	260602	9.824	ppbv	100
8) Dichlorotetrafluoroethane	2.851	85	1728631	9.151	ppbv	100
9) Propene	2.690	41	619994	9.327	ppbv	100
10) Heptane	7.577	43	1534950	10.305	ppbv	100
11) Trichlorofluoromethane	3.555	101	1732857	9.401	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.060	101	1257722	9.388	ppbv	100
13) Ethanol	3.246	45	33738m	8.160	ppbv	
14) Bromoethene	3.362	108	504428	9.366	ppbv	100
15) Acetone	3.462	43	1285781	8.923	ppbv	100
16) 1,3-Butadiene	2.980	39	734062	10.160	ppbv	100
17) tert-Butyl alcohol	3.873	59	1215299	9.611	ppbv	100
18) 1,1-Dichloroethene	3.873	96	557278	9.484	ppbv	100
19) Isopropyl Alcohol	3.571	45	646252	9.266	ppbv	100
20) Methylene Chloride	3.928	84	468549	8.837	ppbv	100
21) Allyl Chloride	3.992	41	888517	9.979	ppbv	100
22) trans-1,2-Dichloroethene	4.442	96	566347	9.660	ppbv	100
23) Vinyl Acetate	4.623	43	602236	8.886	ppbv	100
24) 1,1-Dichloroethane	4.558	63	1223224	9.380	ppbv	100
25) Ethyl Acetate	5.201	43	2883606	9.668	ppbv	100
26) Hexane	5.208	57	1130877	9.869	ppbv	100
27) Carbon Disulfide	4.118	76	1374259	10.675	ppbv	100
28) Methyl tert-Butyl Ether	4.581	73	670928	9.092	ppbv	100
29) Chloroform	5.269	83	1779347	9.407	ppbv	100
30) Cyclohexane	6.597	84	965390	10.487	ppbv	100
31) cis-1,2-Dichloroethene	5.076	61	1095423	9.937	ppbv	100
32) 1,1,1-Trichloroethane	5.999	97	1742198	10.047	ppbv	100
34) 2-Butanone	4.780	43	1559421	9.606	ppbv	100
35) Carbon Tetrachloride	6.491	117	1838964	10.670	ppbv	100
36) Benzene	6.365	78	2404772	9.955	ppbv	100
37) 1,2-Dichloroethane	5.803	62	1331275	9.768	ppbv	100
38) Trichloroethene	7.288	130	986911	10.594	ppbv	100
39) 1,2-Dichloropropane	7.073	63	927055	9.711	ppbv	100
40) 1,4-Dioxane	7.282	88	361524	10.691	ppbv	100
41) Tetrahydrofuran	5.552	42	961227	10.379	ppbv	100
42) Bromodichloromethane	7.246	83	1922752	10.153	ppbv	100
43) Methyl Methacrylate	7.471	69	939057	11.071	ppbv	100
44) 2,2,4-Trimethylpentane	7.323	57	4079001	9.968	ppbv	100
45) t-1,3-Dichloropropene	8.706	75	920537	12.141	ppbv	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
 Data File : VL041674.D
 Acq On : 7 Nov 2024 10:15
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024
 Supervised By :Semsettin Yesilyurt 11/09/2024

Quant Time: Nov 08 00:09:03 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M

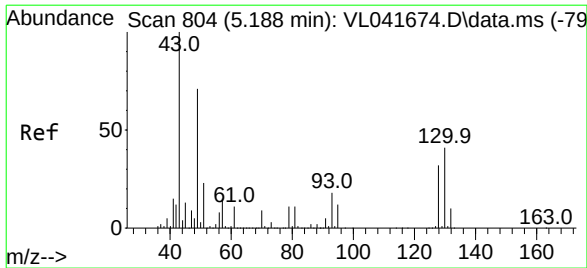
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Nov 08 00:07:44 2024

Response via : Initial Calibration

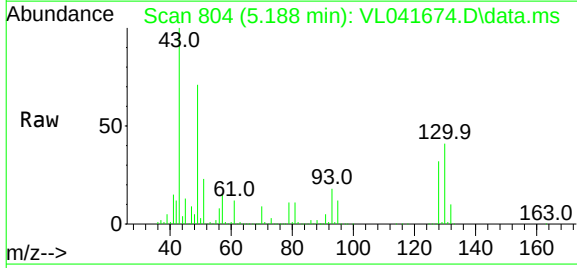
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.140	75	1257121	11.408	ppbv	100
47) 1,1,2-Trichloroethane	8.896	97	1003150	9.746	ppbv	100
48) Dibromochloromethane	9.709	129	1679053	10.690	ppbv	100
49) Bromoform	12.404	173	1497222	11.174	ppbv	100
50) 4-Methyl-2-Pentanone	8.179	43	2628657	10.544	ppbv	100
51) 2-Hexanone	9.548	43	2043690	11.281	ppbv	100
52) Tetrachloroethene	10.616	164	899580	10.893	ppbv	100
53) Toluene	9.217	91	2787590	10.973	ppbv	100
54) 1,2-Dibromoethane	10.008	107	1353490	11.262	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.507	131	1266326	9.142	ppbv	100
57) Chlorobenzene	11.526	112	2237328	9.024	ppbv	100
58) Ethyl Benzene	12.085	91	3795372	10.301	ppbv	100
59) m/p-Xylene	12.368	91	6483858m	19.671	ppbv	
60) o-Xylene	13.056	91	3148609	10.005	ppbv	100
61) Styrene	12.896	104	1515741	11.670	ppbv	100
62) Isopropylbenzene	14.027	105	4647017	9.566	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.043	83	2194609	9.578	ppbv	100
64) n-propylbenzene	14.912	120	1256955	9.895	ppbv	100
65) tert-Butylbenzene	16.088	119	4162243	9.533	ppbv	100
66) Benzyl Chloride	16.326	91	359794	11.442	ppbv	100
67) sec-Butylbenzene	16.635	105	5857608	9.519	ppbv	100
69) p-Isopropyltoluene	16.992	119	4920309	9.887	ppbv	100
70) n-Butylbenzene	17.882	91	5021145	9.843	ppbv	100
71) 2-Chlorotoluene	14.796	91	3508288	9.986	ppbv	100
72) 4-Ethyltoluene	15.191	105	3763123	10.297	ppbv	100
73) 1,3,5-Trimethylbenzene	15.349	105	3217635	10.042	ppbv	100
74) 1,2,4-Trimethylbenzene	16.104	105	3563067	9.559	ppbv	100
75) 1,3-Dichlorobenzene	16.326	146	2192903	9.524	ppbv	100
76) 1,4-Dichlorobenzene	16.471	146	2144446	9.479	ppbv	100
77) 1,2-Dichlorobenzene	17.140	146	2138612	9.353	ppbv	100
78) Hexachloro-1,3-Butadiene	22.631	225	1422723m	7.865	ppbv	
79) Naphthalene	21.384	128	2767333	12.072	ppbv	100
80) Naphthalene,2-methyl-	24.374	142	466005	10.957	ppbv	100
81) 1,2,4-Trichlorobenzene	21.136	180	1415249	9.925	ppbv	100

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.188 min Scan# 804
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

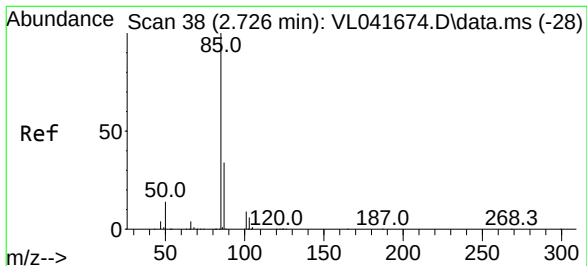
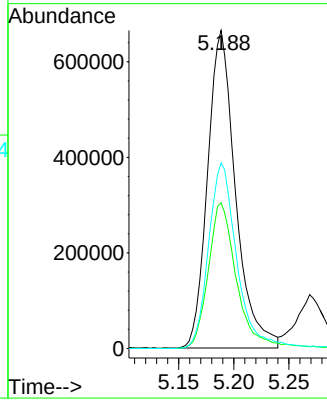
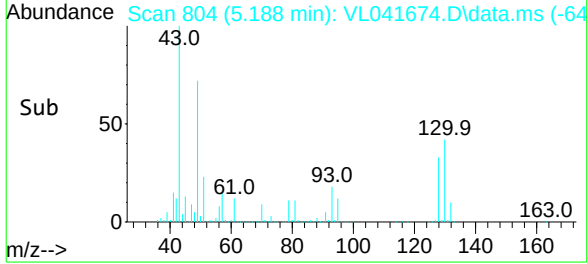
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



Tgt Ion: 49 Resp: 1170802
Ion Ratio Lower Upper
49 100
128 47.5 23.8 71.2
130 60.3 30.1 90.5

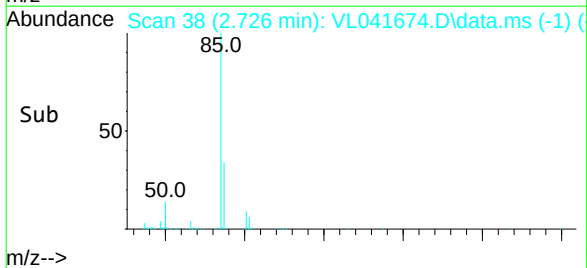
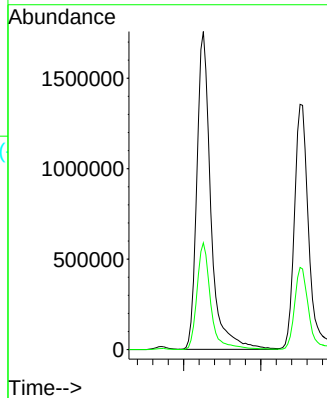
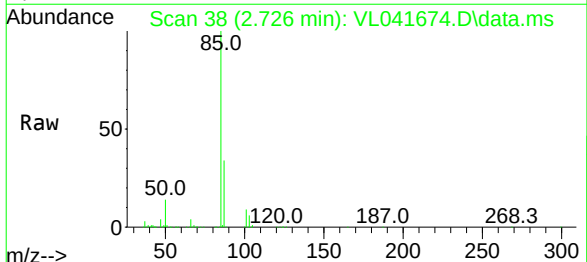
Manual Integrations
APPROVED

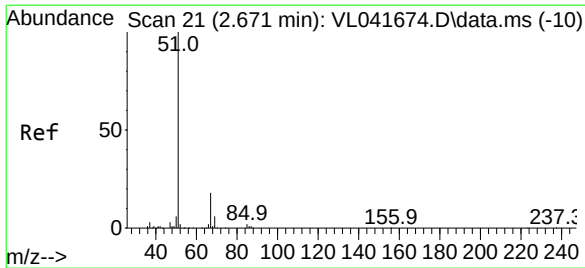
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#2
Dichlorodifluoromethane
Concen: 10.438 ppbv
RT: 2.726 min Scan# 38
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

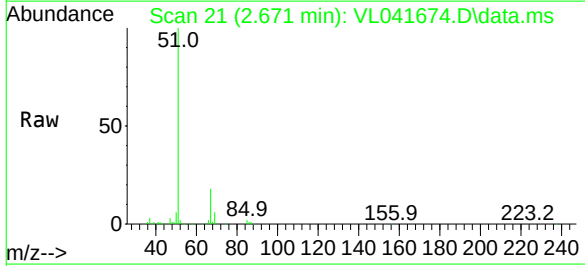
Tgt Ion: 85 Resp: 2208753
Ion Ratio Lower Upper
85 100
87 33.5 26.8 40.2





#3
Chlorodifluoromethane
Concen: 9.135 ppbv
RT: 2.671 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

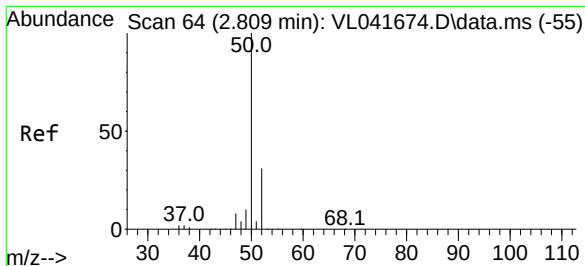
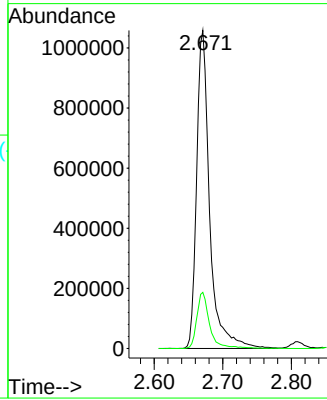
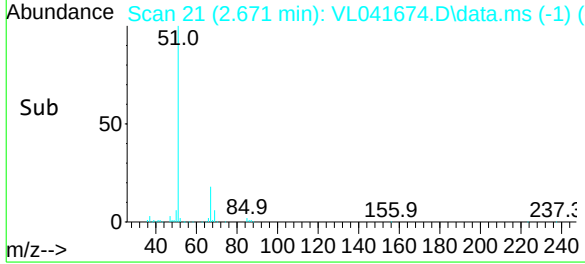
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



Tgt Ion: 51 Resp: 1393427
Ion Ratio Lower Upper
51 100
67 17.4 13.9 20.9

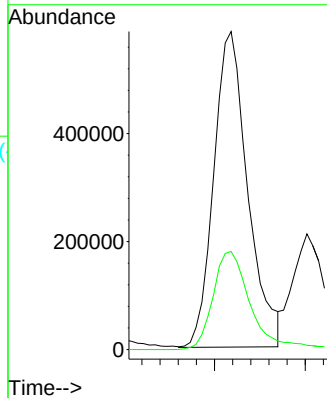
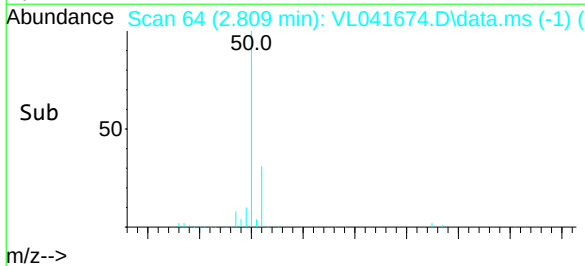
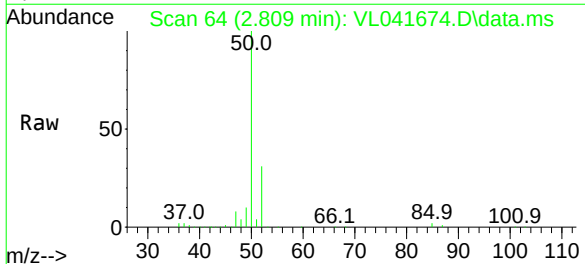
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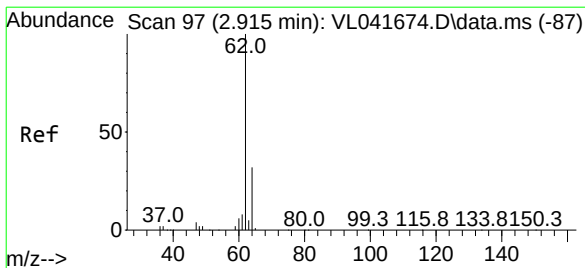
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#4
Chloromethane
Concen: 9.408 ppbv
RT: 2.809 min Scan# 64
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

Tgt Ion: 50 Resp: 760160
Ion Ratio Lower Upper
50 100
52 31.1 24.9 37.3





#5

Vinyl Chloride

Concen: 10.005 ppbv

RT: 2.915 min Scan# 97

Delta R.T. 0.000 min

Lab File: VL041674.D

Acq: 7 Nov 2024 10:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 62 Resp: 732442

Ion Ratio Lower Upper

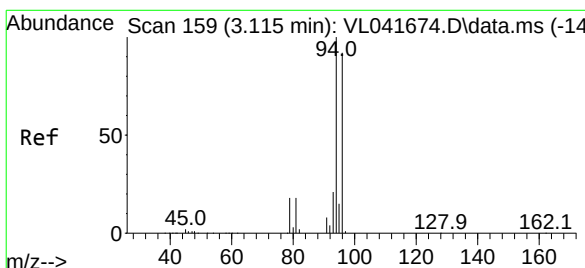
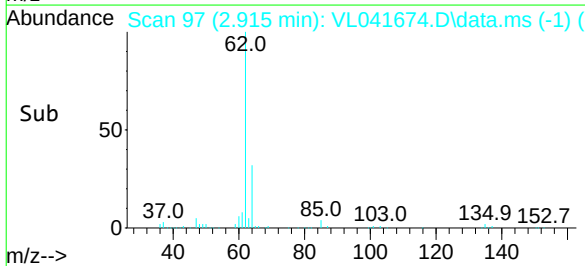
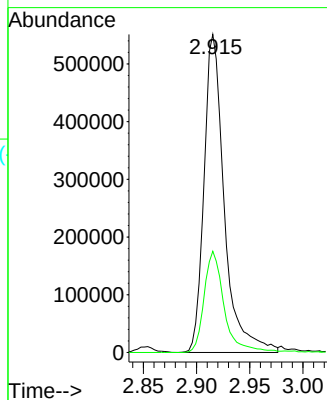
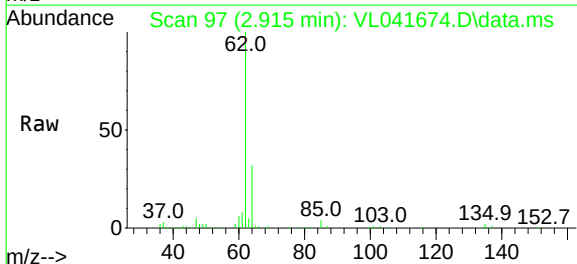
62 100

64 31.8 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#6

Bromomethane

Concen: 9.628 ppbv

RT: 3.115 min Scan# 159

Delta R.T. 0.000 min

Lab File: VL041674.D

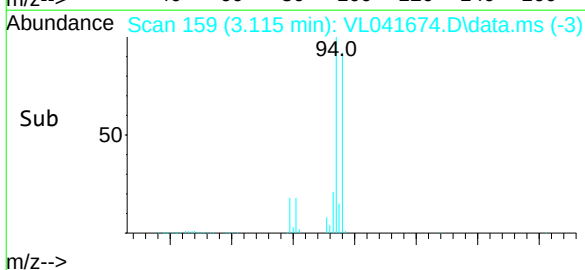
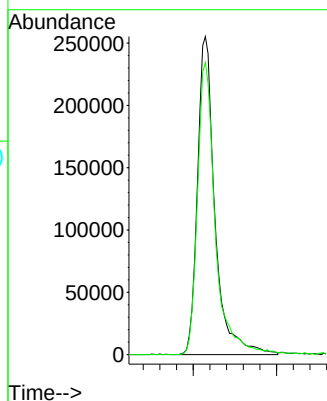
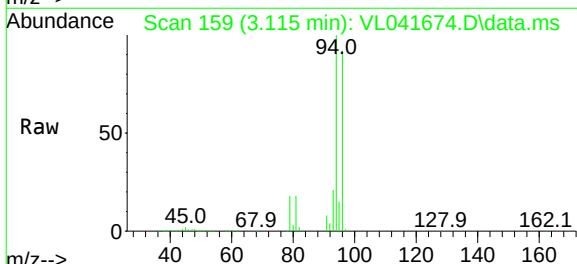
Acq: 7 Nov 2024 10:15

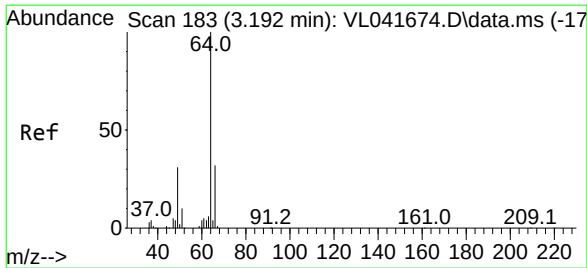
Tgt Ion: 94 Resp: 371242

Ion Ratio Lower Upper

94 100

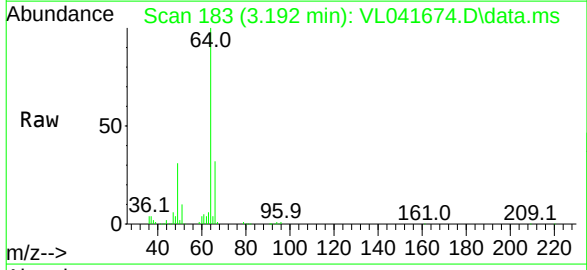
96 91.8 73.4 110.2





#7
Chloroethane
Concen: 9.824 ppbv
RT: 3.192 min Scan# 183
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

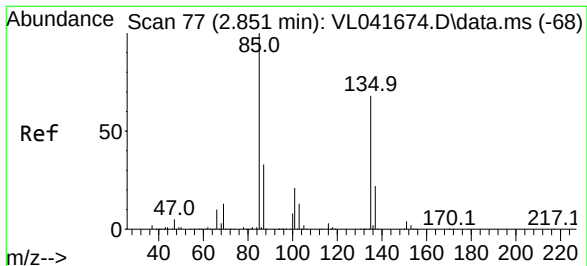
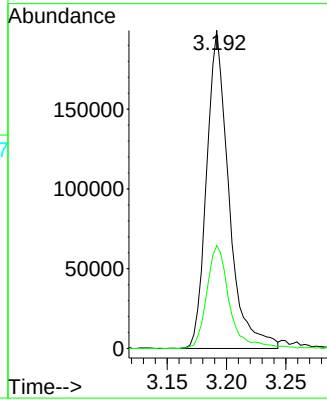
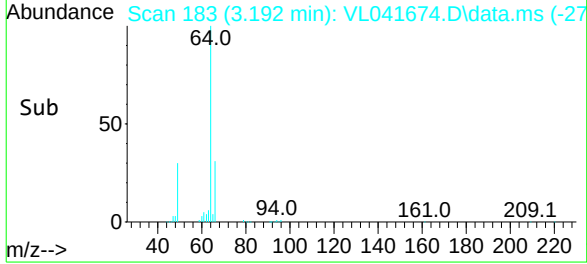
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



Tgt Ion: 64 Resp: 260602
Ion Ratio Lower Upper
64 100
66 32.4 25.9 38.9

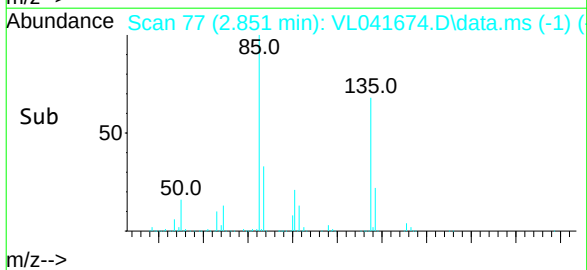
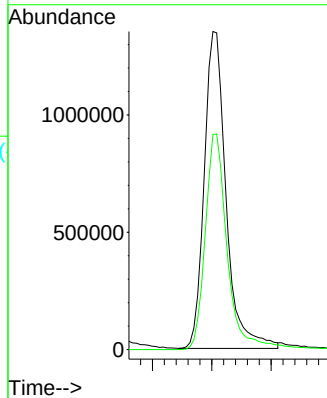
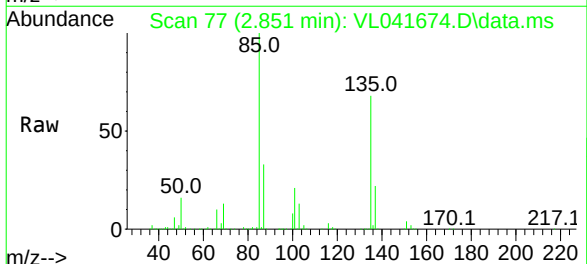
Manual Integrations
APPROVED

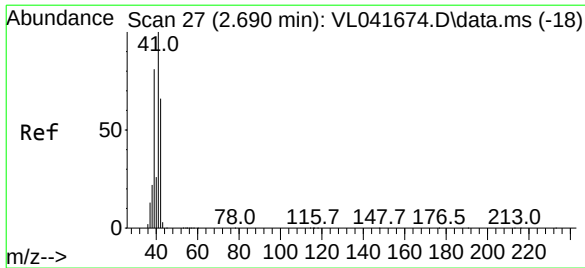
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#8
Dichlorotetrafluoroethane
Concen: 9.151 ppbv
RT: 2.851 min Scan# 77
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

Tgt Ion: 85 Resp: 1728631
Ion Ratio Lower Upper
85 100
135 69.4 55.5 83.3





#9

Propene

Concen: 9.327 ppbv

RT: 2.690 min Scan# 27

Delta R.T. 0.000 min

Lab File: VL041674.D

Acq: 7 Nov 2024 10:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 41 Resp: 619994

Ion Ratio Lower Upper

41 100

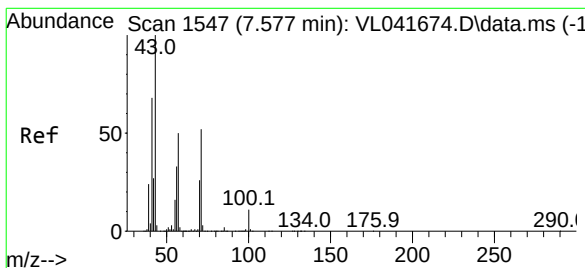
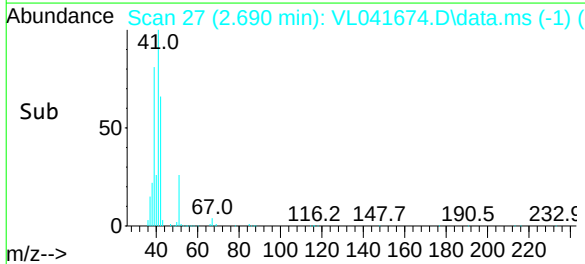
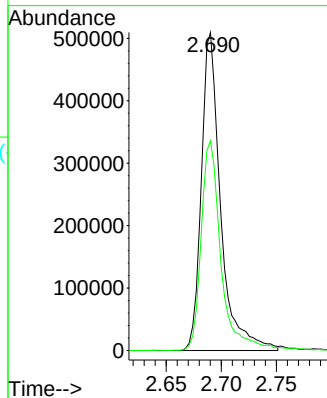
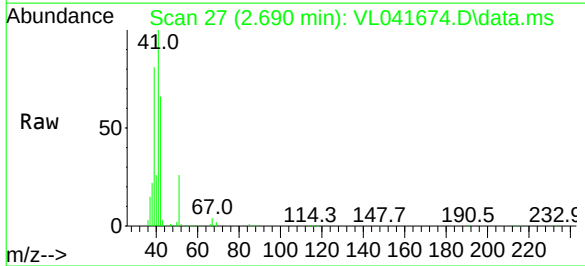
42 68.7 55.0 82.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024

Supervised By :Semsettin Yesilyurt 11/09/2024



#10

Heptane

Concen: 10.305 ppbv

RT: 7.577 min Scan# 1547

Delta R.T. 0.000 min

Lab File: VL041674.D

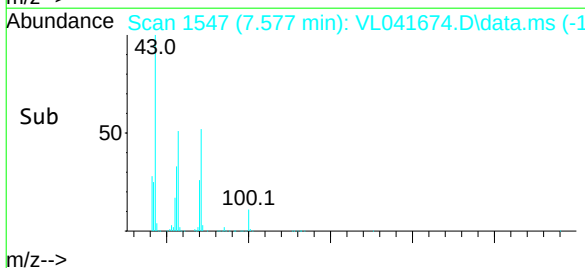
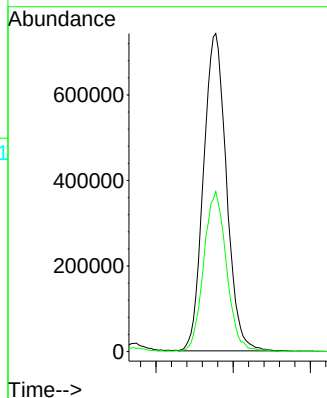
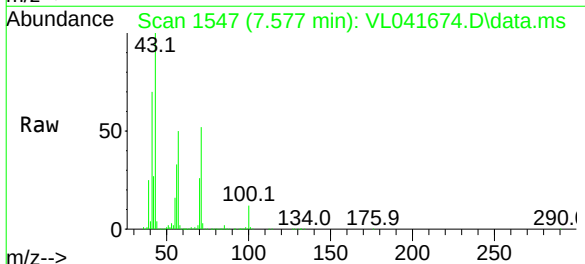
Acq: 7 Nov 2024 10:15

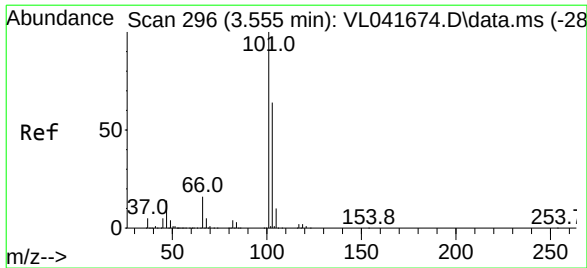
Tgt Ion: 43 Resp: 1534950

Ion Ratio Lower Upper

43 100

57 50.0 40.0 60.0





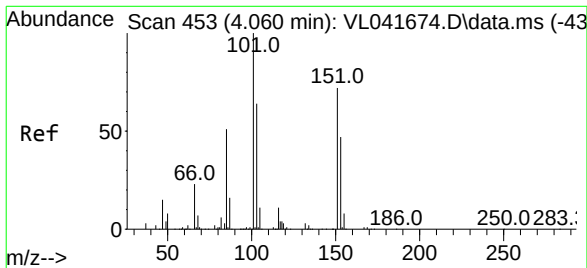
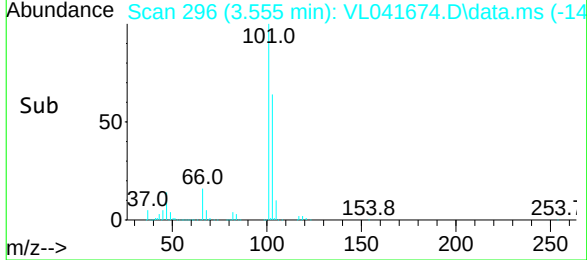
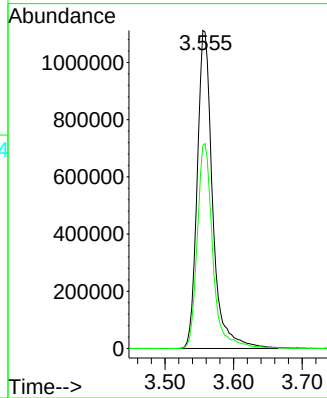
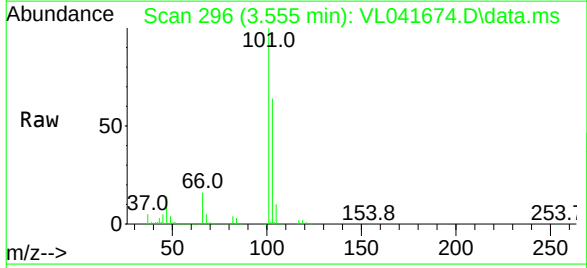
#11
Trichlorofluoromethane
Concen: 9.401 ppbv
RT: 3.555 min Scan# 296
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:101 Resp: 1732857
Ion Ratio Lower Upper
101 100
103 63.8 51.0 76.6

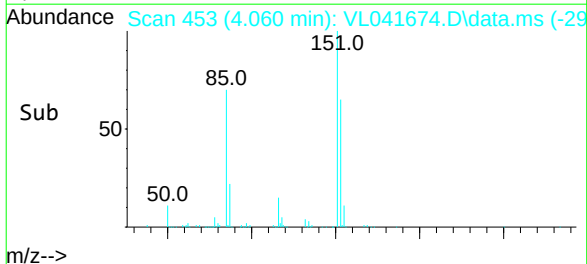
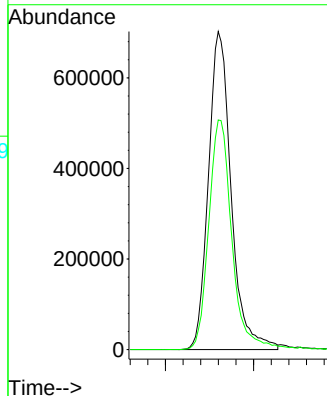
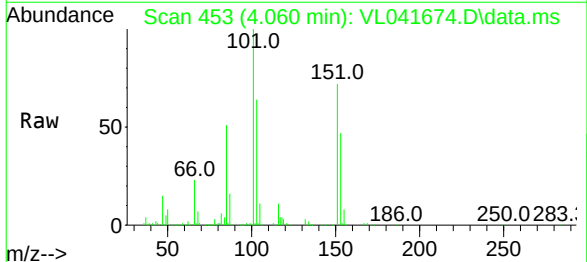
Manual Integrations
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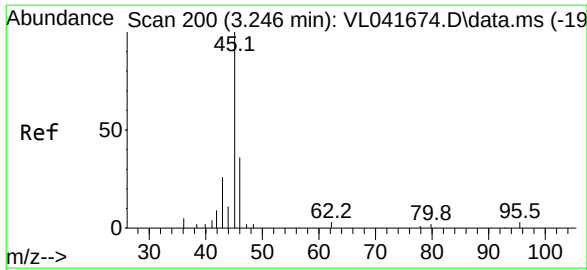
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.388 ppbv
RT: 4.060 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

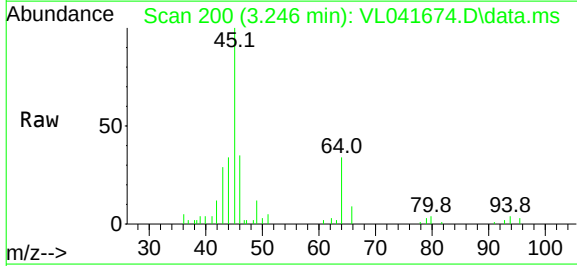
Tgt Ion:101 Resp: 1257722
Ion Ratio Lower Upper
101 100
151 73.9 59.1 88.7





#13
Ethanol
Concen: 8.160 ppbv m
RT: 3.246 min Scan# 200
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

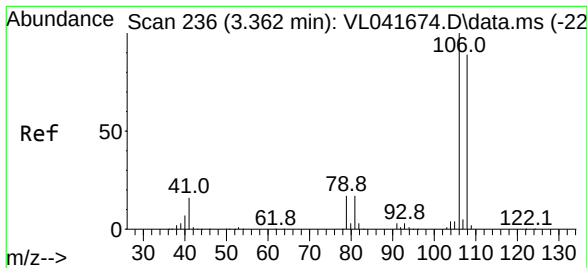
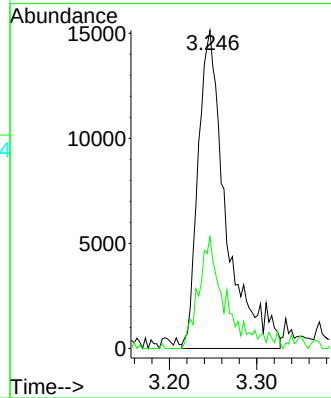
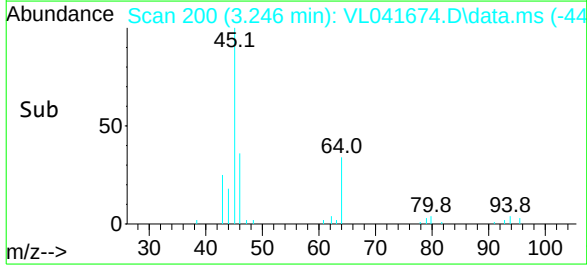
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



Tgt Ion: 45 Resp: 33738
Ion Ratio Lower Upper
45 100
46 34.5 13.8 55.2

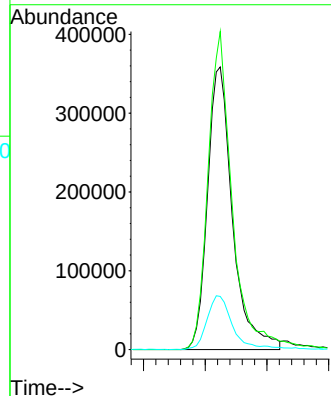
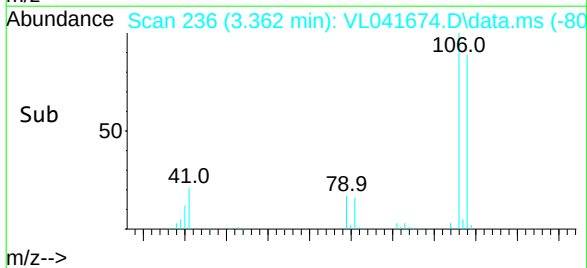
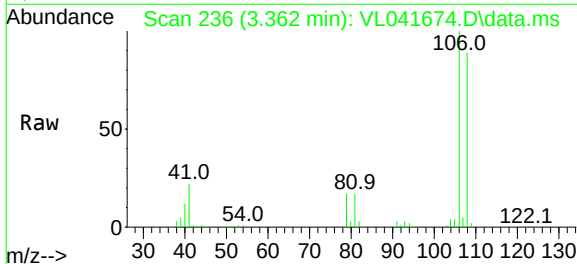
Manual Integrations
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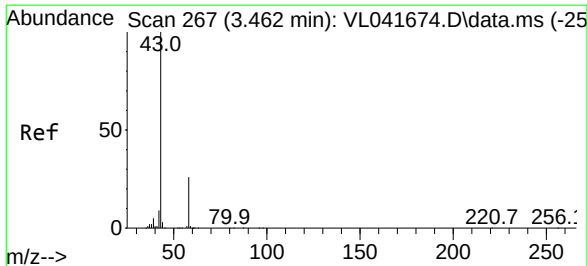
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#14
Bromoethene
Concen: 9.366 ppbv
RT: 3.362 min Scan# 236
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

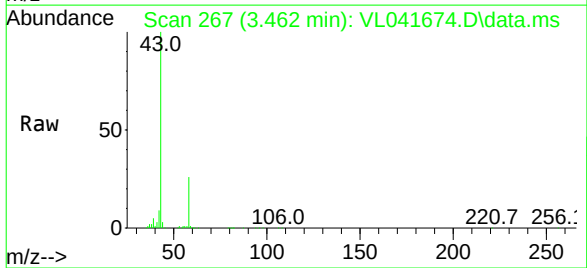
Tgt Ion:108 Resp: 504428
Ion Ratio Lower Upper
108 100
106 110.8 88.6 133.0
79 19.5 15.6 23.4





#15
Acetone
Concen: 8.923 ppbv
RT: 3.462 min Scan# 267
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

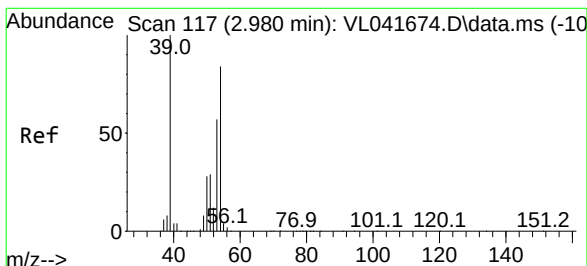
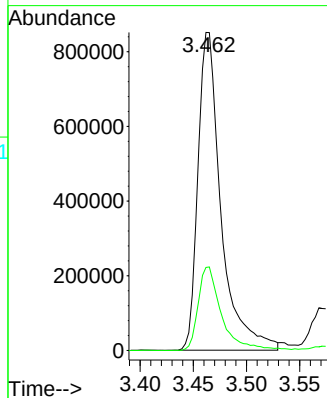
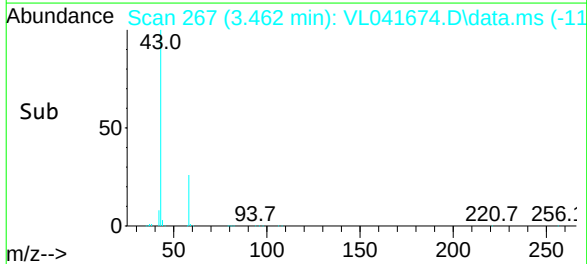
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



Tgt Ion: 43 Resp: 1285781
Ion Ratio Lower Upper
43 100
58 26.7 21.4 32.0

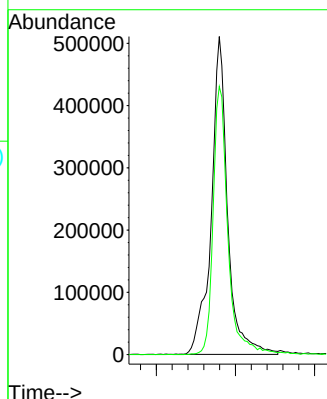
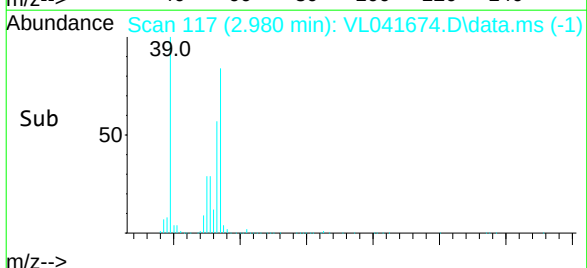
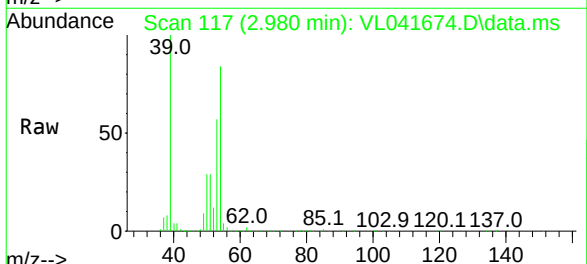
Manual Integrations
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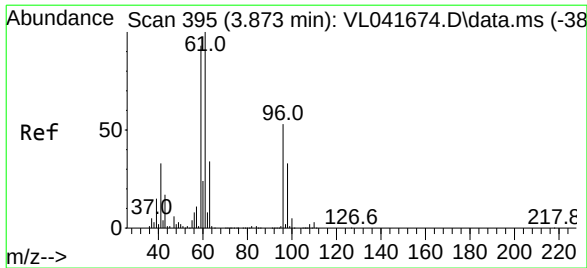
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#16
1,3-Butadiene
Concen: 10.160 ppbv
RT: 2.980 min Scan# 117
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

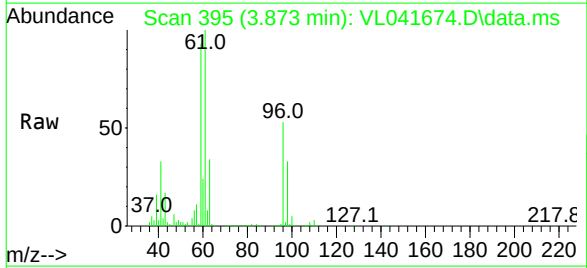
Tgt Ion: 39 Resp: 734062
Ion Ratio Lower Upper
39 100
54 76.6 61.3 91.9





#17
tert-Butyl alcohol
Concen: 9.611 ppbv
RT: 3.873 min Scan# 395
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

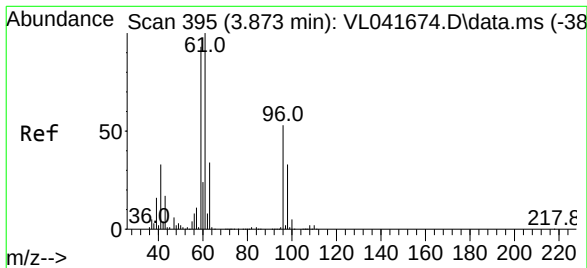
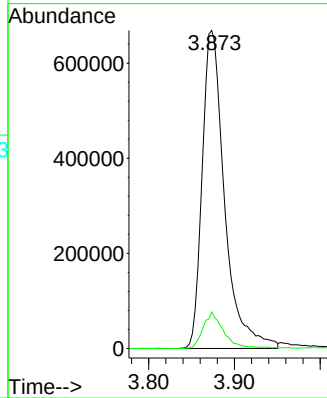
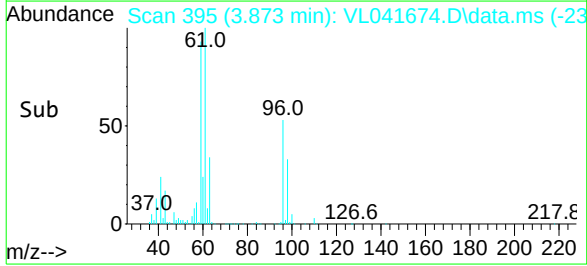
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



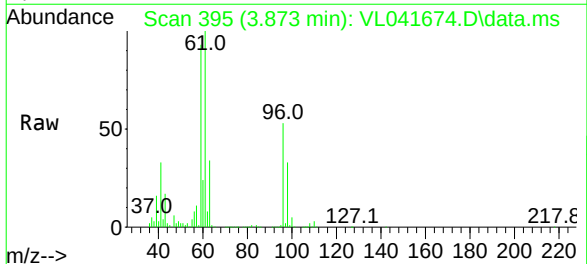
Tgt Ion: 59 Resp: 1215299
Ion Ratio Lower Upper
59 100
57 10.6 8.5 12.7

Manual Integrations
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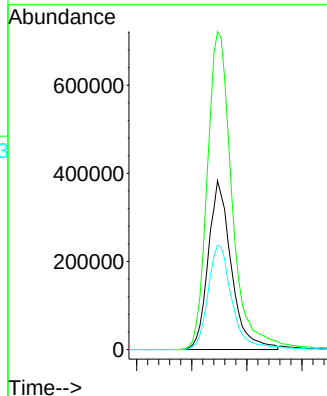
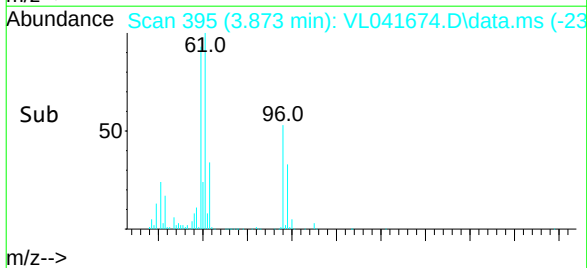
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024

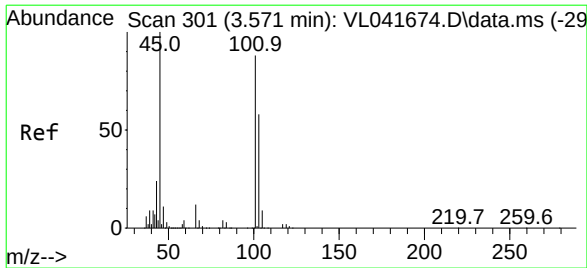


#18
1,1-Dichloroethene
Concen: 9.484 ppbv
RT: 3.873 min Scan# 395
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15



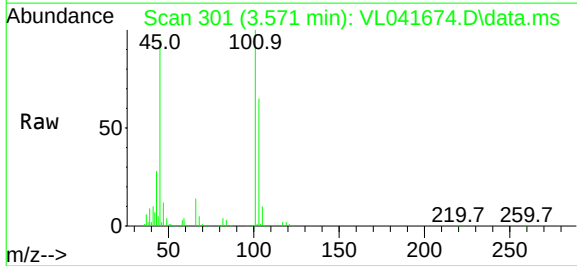
Tgt Ion: 96 Resp: 557278
Ion Ratio Lower Upper
96 100
61 188.4 150.7 226.1
98 61.8 49.4 74.2





#19
Isopropyl Alcohol
Concen: 9.266 ppbv
RT: 3.571 min Scan# 301
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

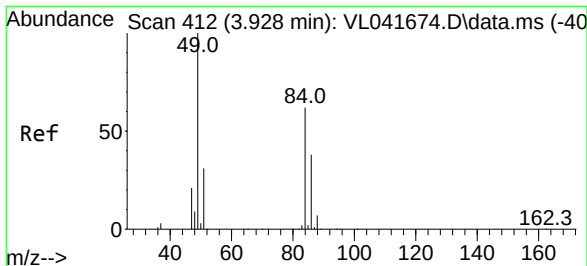
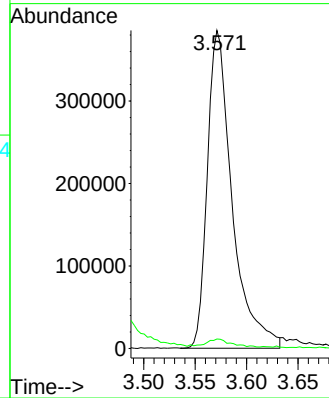
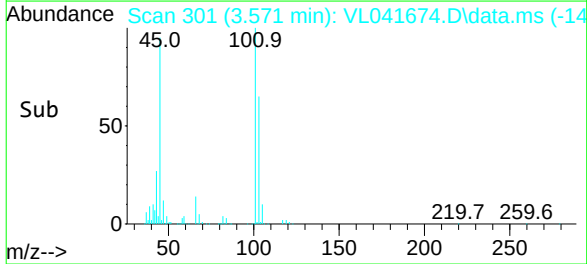
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



Tgt Ion: 45 Resp: 646252
Ion Ratio Lower Upper
45 100
58 3.1 2.5 3.7

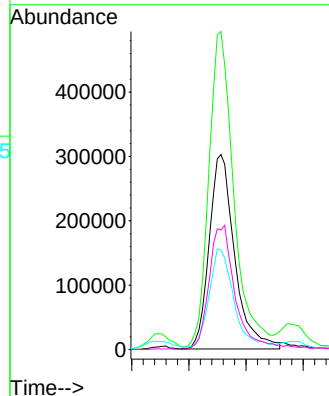
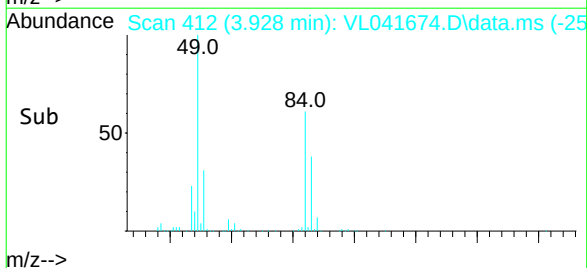
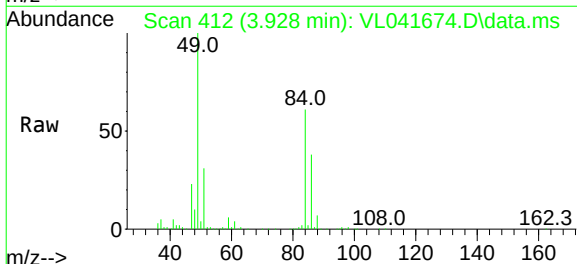
Manual Integrations
APPROVED

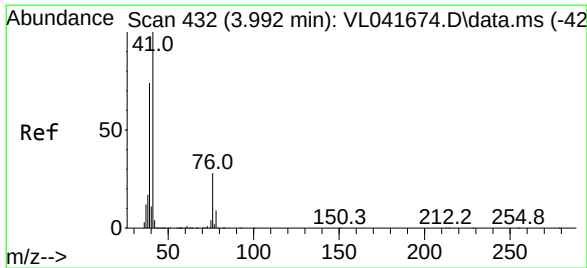
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#20
Methylene Chloride
Concen: 8.837 ppbv
RT: 3.928 min Scan# 412
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

Tgt Ion: 84 Resp: 468549
Ion Ratio Lower Upper
84 100
49 162.1 129.7 194.5
51 49.7 39.8 59.6
86 61.4 49.1 73.7





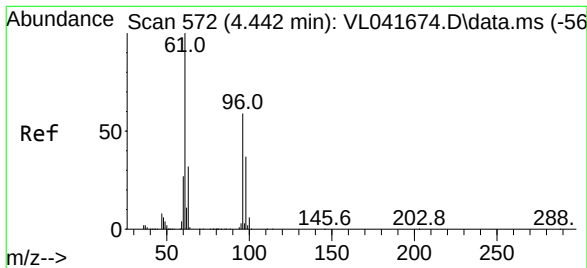
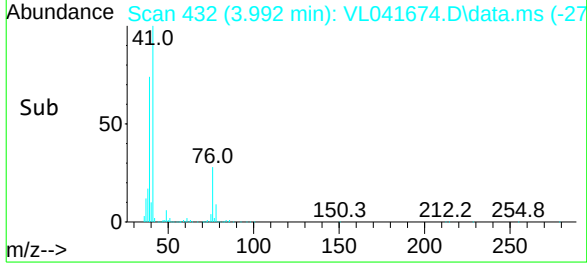
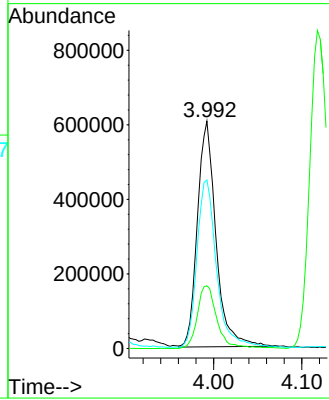
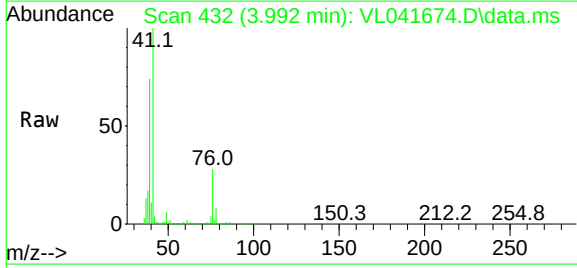
#21
 Allyl Chloride
 Concen: 9.979 ppbv
 RT: 3.992 min Scan# 432
 Delta R.T. 0.000 min
 Lab File: VL041674.D
 Acq: 7 Nov 2024 10:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion:	41	Resp:	888517
Ion	Ratio	Lower	Upper
41	100		
76	29.4	23.5	35.3
39	78.7	63.0	94.4

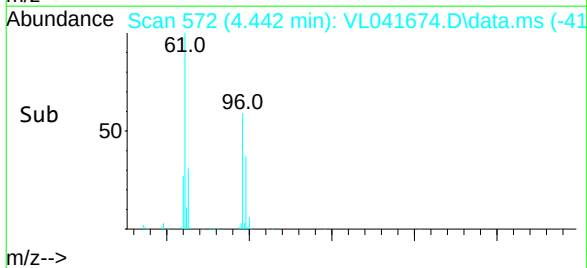
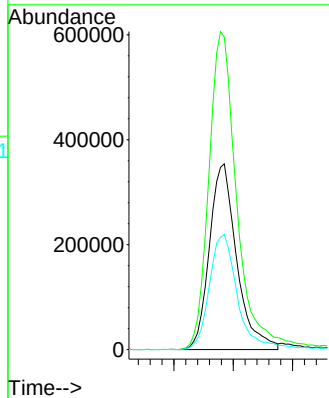
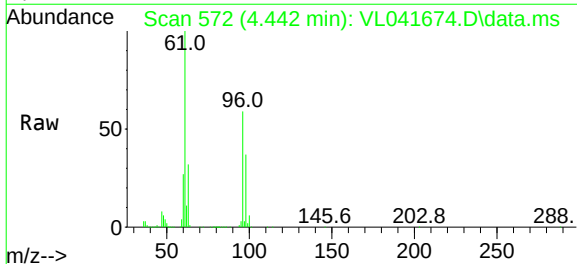
Manual Integrations
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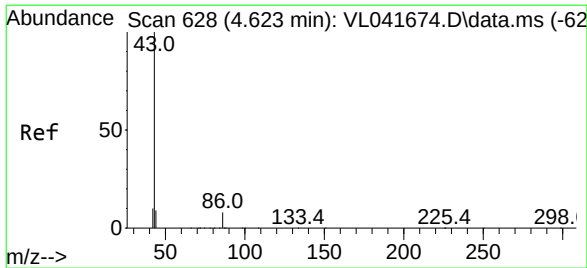
Reviewed By :Mahesh Dadoda 11/09/2024
 Supervised By :Semsettin Yesilyurt 11/09/2024



#22
 trans-1,2-Dichloroethene
 Concen: 9.660 ppbv
 RT: 4.442 min Scan# 572
 Delta R.T. 0.000 min
 Lab File: VL041674.D
 Acq: 7 Nov 2024 10:15

Tgt Ion:	96	Resp:	566347
Ion	Ratio	Lower	Upper
96	100		
61	168.1	134.5	201.7
98	62.0	49.6	74.4





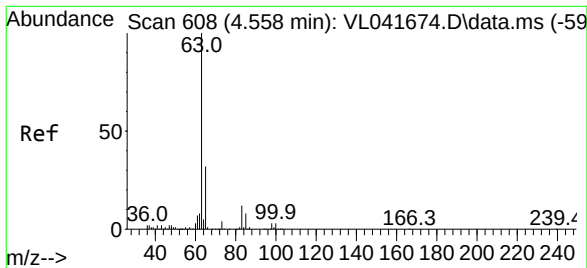
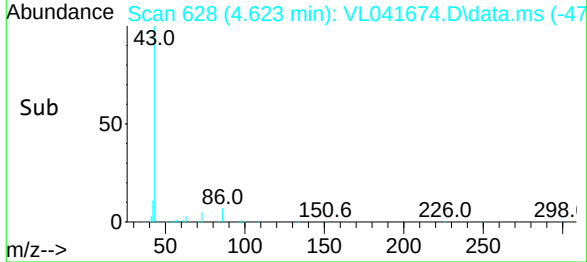
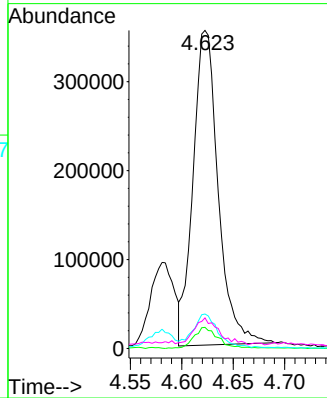
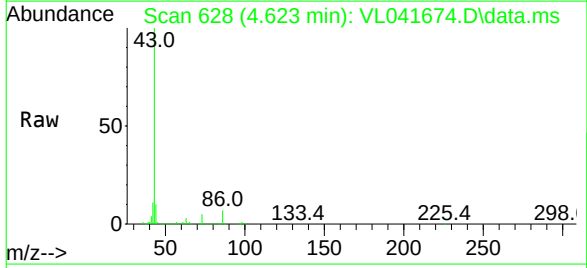
#23
Vinyl Acetate
Concen: 8.886 ppbv
RT: 4.623 min Scan# 628
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:	43	Resp:	602236
Ion	Ratio	Lower	Upper
43	100		
86	6.6	5.3	7.9
42	10.6	8.5	12.7
44	8.4	6.7	10.1

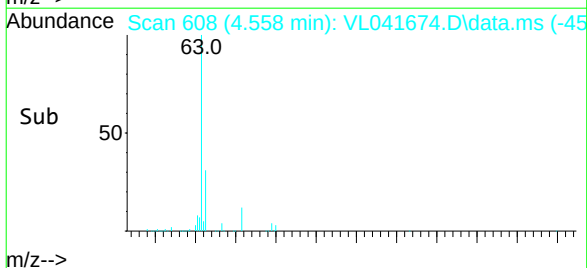
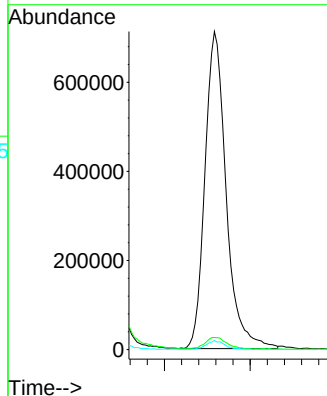
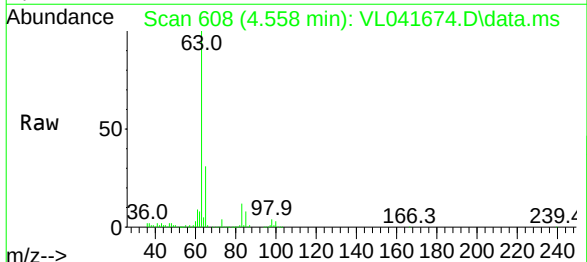
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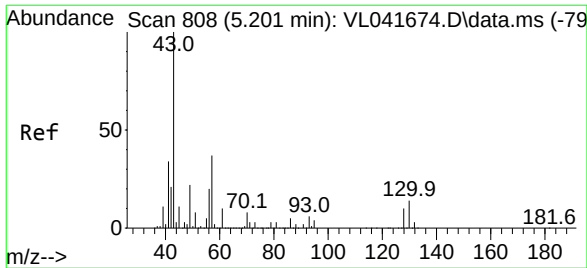
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#24
1,1-Dichloroethane
Concen: 9.380 ppbv
RT: 4.558 min Scan# 608
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

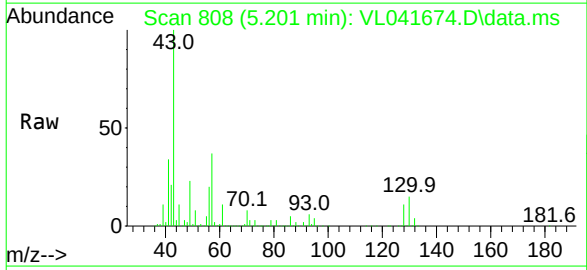
Tgt Ion:	63	Resp:	1223224
Ion	Ratio	Lower	Upper
63	100		
98	3.6	1.8	5.4
100	2.8	1.4	4.2





#25
Ethyl Acetate
Concen: 9.668 ppbv
RT: 5.201 min Scan# 808
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

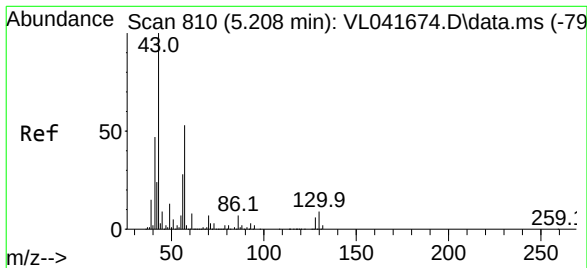
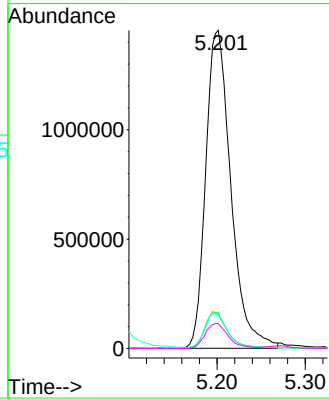
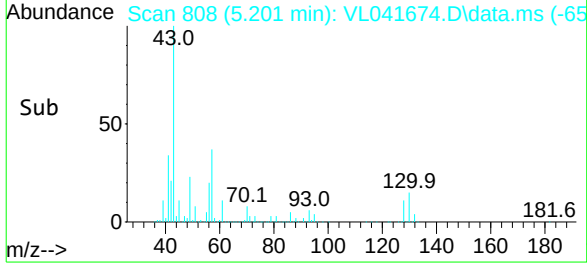
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



Tgt Ion: 43 Resp: 2883606
Ion Ratio Lower Upper
43 100
45 10.8 8.6 13.0
61 10.5 8.4 12.6
70 7.2 5.8 8.6

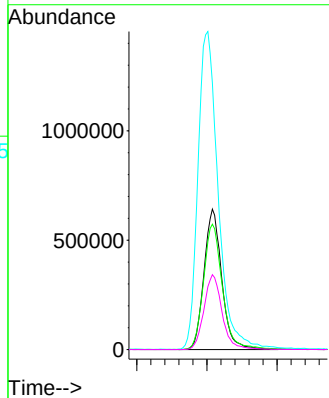
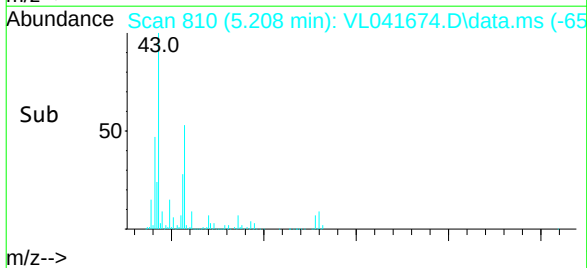
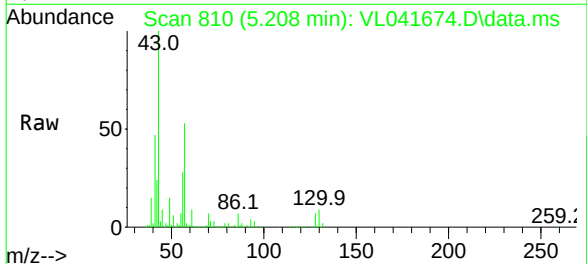
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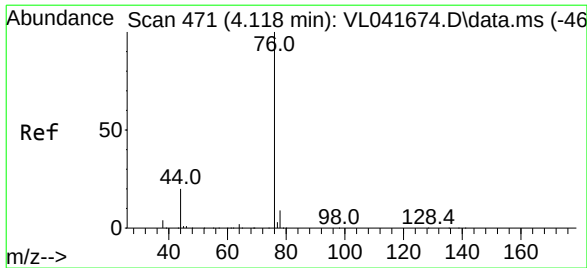
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#26
Hexane
Concen: 9.869 ppbv
RT: 5.208 min Scan# 810
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

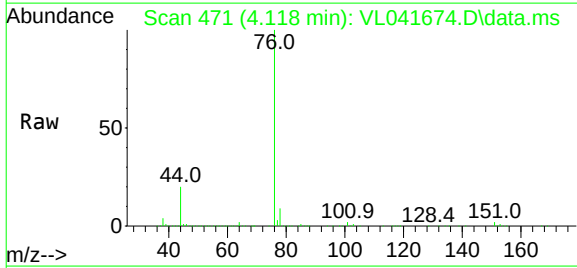
Tgt Ion: 57 Resp: 1130877
Ion Ratio Lower Upper
57 100
41 95.1 76.1 114.1
43 258.8 207.0 310.6
56 54.6 43.7 65.5





#27
Carbon Disulfide
Concen: 10.675 ppbv
RT: 4.118 min Scan# 471
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

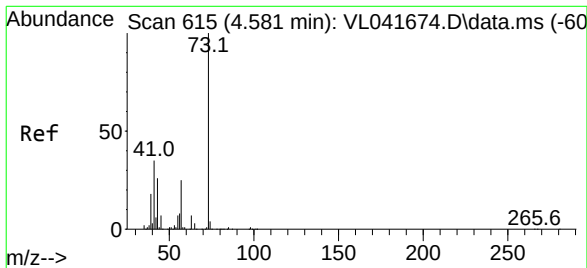
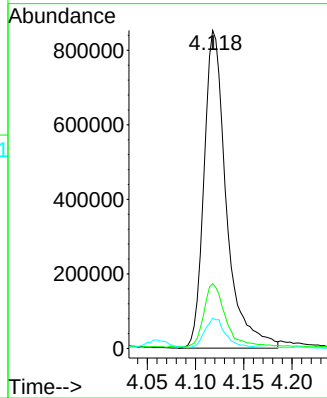
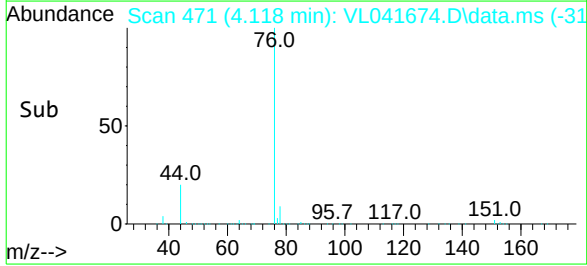
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



Tgt Ion: 76 Resp: 1374259
Ion Ratio Lower Upper
76 100
44 19.8 15.8 23.8
78 9.4 7.5 11.3

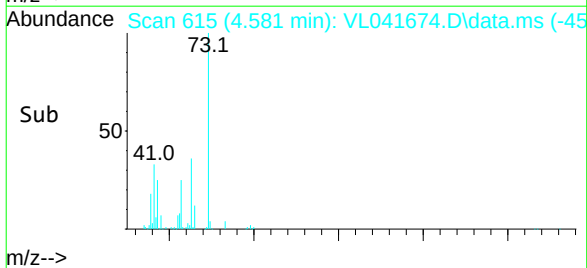
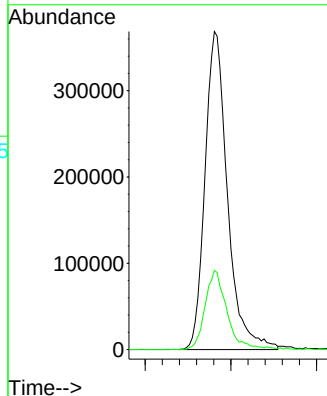
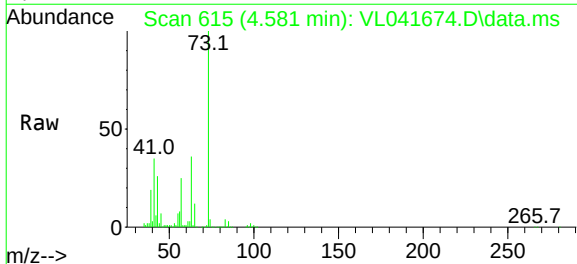
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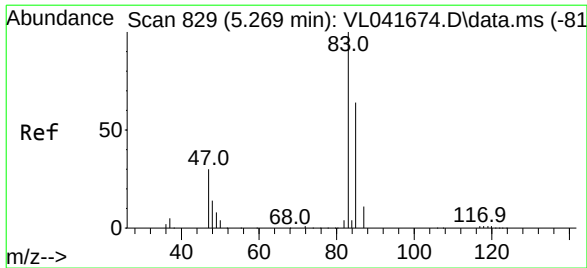
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#28
Methyl tert-Butyl Ether
Concen: 9.092 ppbv
RT: 4.581 min Scan# 615
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

Tgt Ion: 73 Resp: 670928
Ion Ratio Lower Upper
73 100
57 24.5 19.6 29.4





#29

Chloroform

Concen: 9.407 ppbv

RT: 5.269 min Scan# 829

Delta R.T. 0.000 min

Lab File: VL041674.D

Acq: 7 Nov 2024 10:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 83 Resp: 1779347

Ion Ratio Lower Upper

83 100

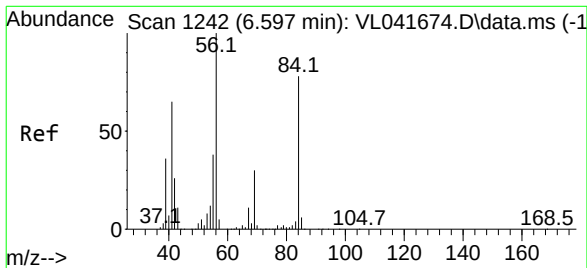
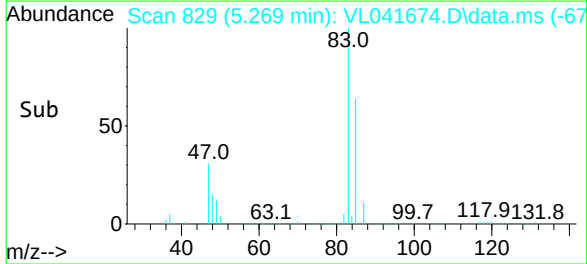
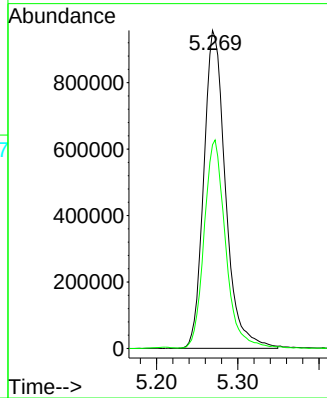
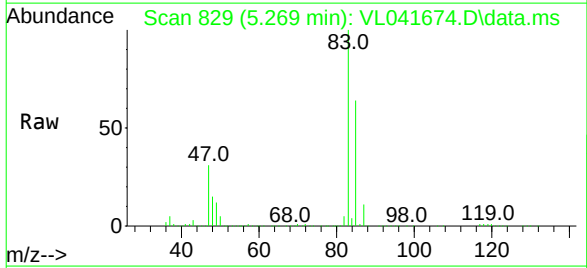
85 63.9 51.1 76.7

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Reviewed By :Mahesh Dadoda 11/09/2024

Supervised By :Semsettin Yesilyurt 11/09/2024



#30

Cyclohexane

Concen: 10.487 ppbv

RT: 6.597 min Scan# 1242

Delta R.T. 0.000 min

Lab File: VL041674.D

Acq: 7 Nov 2024 10:15

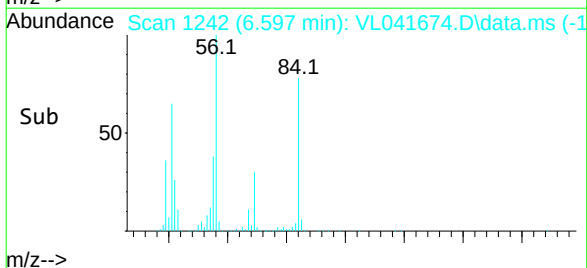
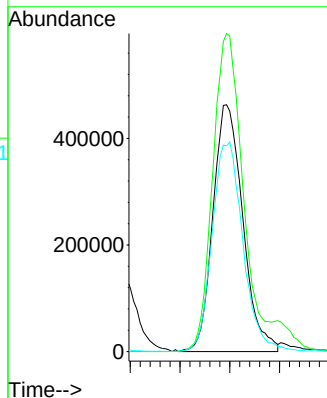
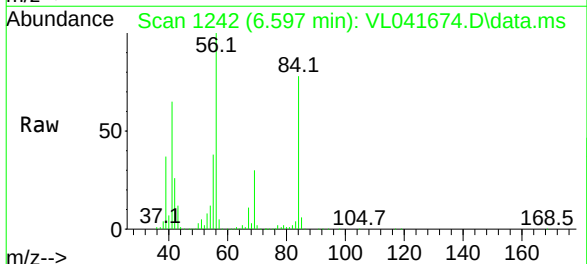
Tgt Ion: 84 Resp: 965390

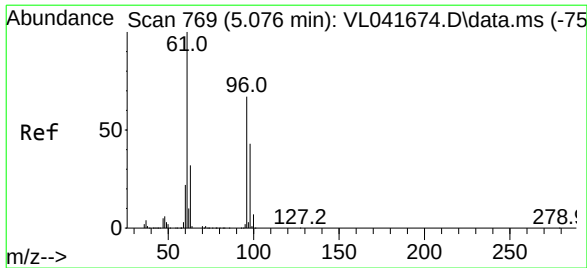
Ion Ratio Lower Upper

84 100

56 138.5 110.8 166.2

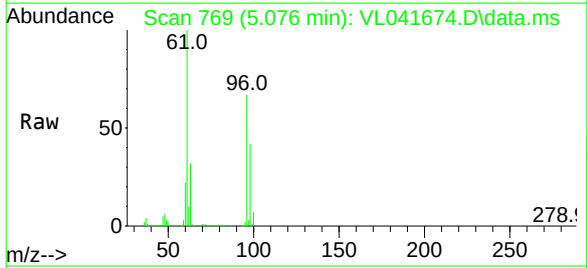
41 87.5 70.0 105.0





#31
 cis-1,2-Dichloroethene
 Concen: 9.937 ppbv
 RT: 5.076 min Scan# 769
 Delta R.T. 0.000 min
 Lab File: VL041674.D
 Acq: 7 Nov 2024 10:15

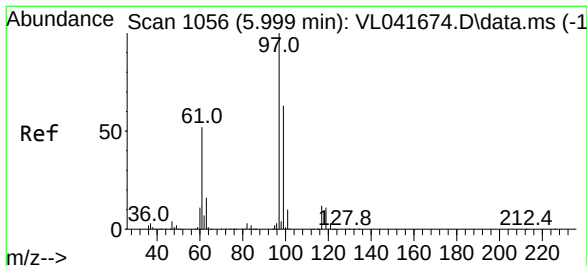
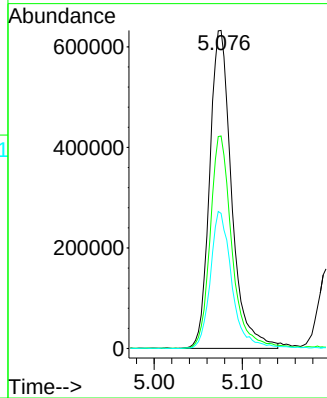
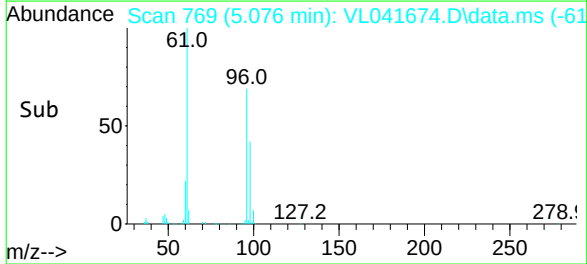
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010



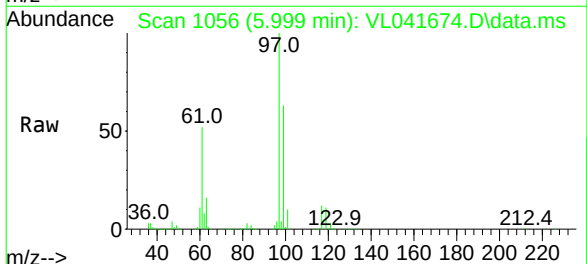
Tgt Ion: 61 Resp: 1095423
 Ion Ratio Lower Upper
 61 100
 96 66.8 53.4 80.2
 98 42.5 34.0 51.0

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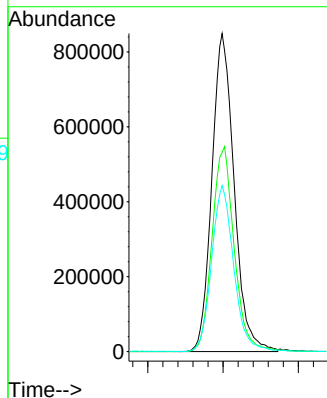
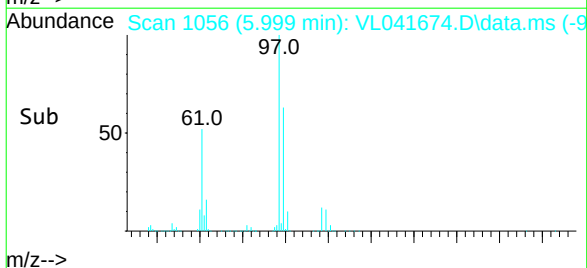
Reviewed By :Mahesh Dadoda 11/09/2024
 Supervised By :Semsettin Yesilyurt 11/09/2024

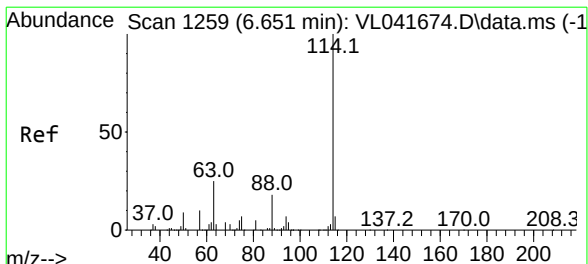


#32
 1,1,1-Trichloroethane
 Concen: 10.047 ppbv
 RT: 5.999 min Scan# 1056
 Delta R.T. 0.000 min
 Lab File: VL041674.D
 Acq: 7 Nov 2024 10:15



Tgt Ion: 97 Resp: 1742198
 Ion Ratio Lower Upper
 97 100
 99 64.3 51.4 77.2
 61 52.1 41.7 62.5





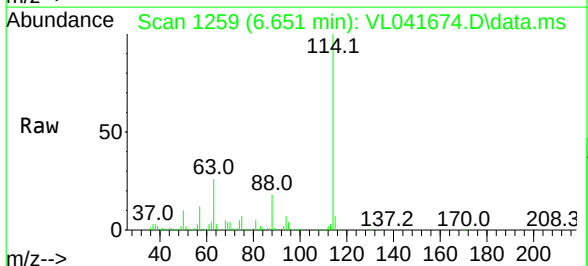
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 6.651 min Scan# 1259
 Delta R.T. 0.000 min
 Lab File: VL041674.D
 Acq: 7 Nov 2024 10:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

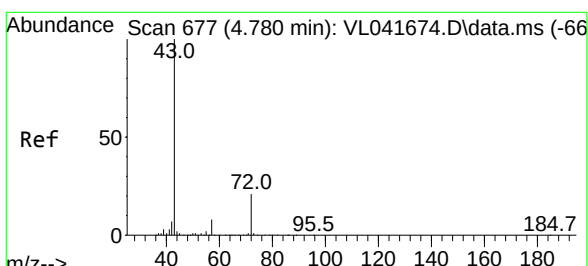
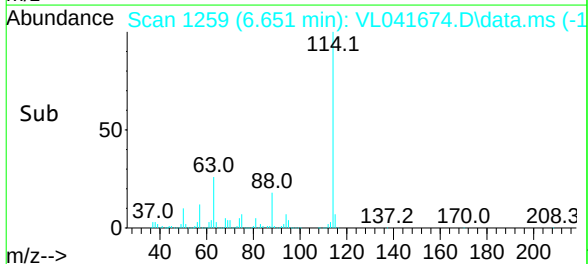
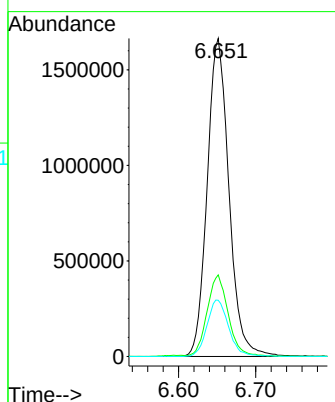


Tgt Ion: 114 Resp: 3260349

Ion	Ratio	Lower	Upper
114	100		
63	25.4	20.3	30.5
88	17.8	14.2	21.4

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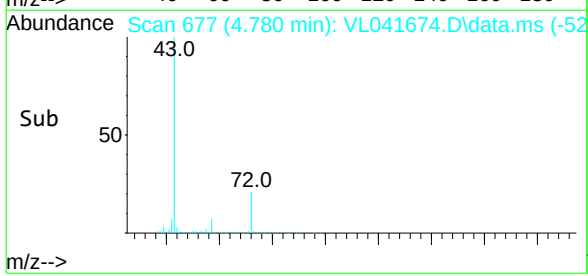
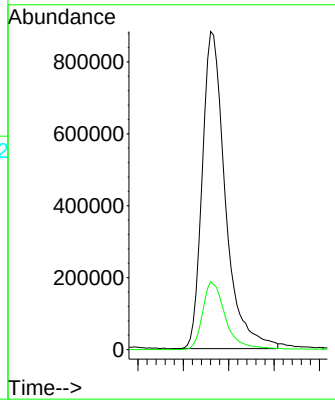
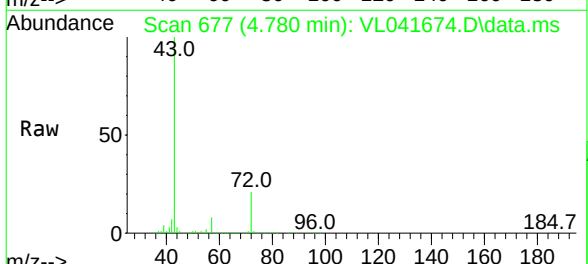
Reviewed By :Mahesh Dadoda 11/09/2024
 Supervised By :Semsettin Yesilyurt 11/09/2024

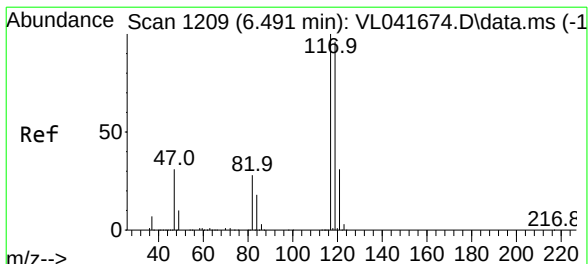


#34
 2-Butanone
 Concen: 9.606 ppbv
 RT: 4.780 min Scan# 677
 Delta R.T. 0.000 min
 Lab File: VL041674.D
 Acq: 7 Nov 2024 10:15

Tgt Ion: 43 Resp: 1559421

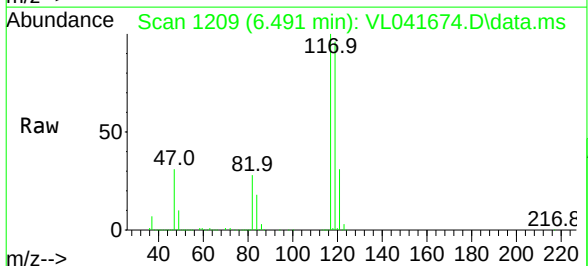
Ion	Ratio	Lower	Upper
43	100		
72	21.7	17.4	26.0





#35
Carbon Tetrachloride
Concen: 10.670 ppbv
RT: 6.491 min Scan# 1209
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

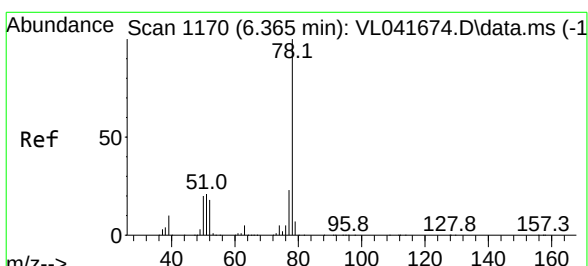
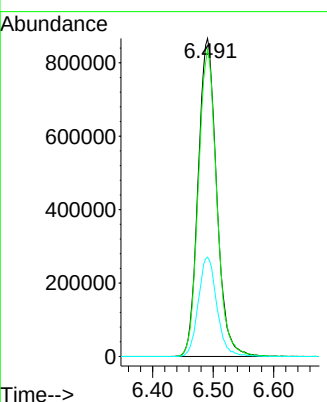
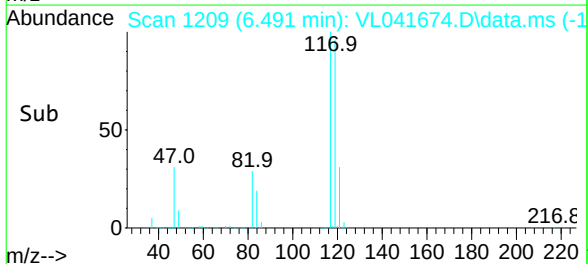
Instrument : MSVOA_L
ClientSampleId : VSTDICCC010



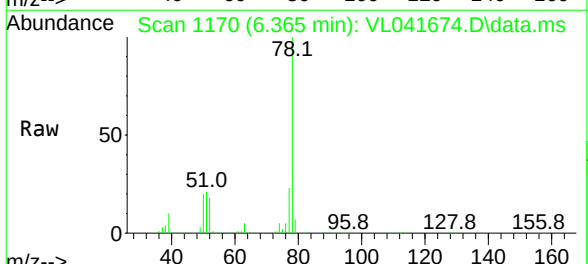
Tgt Ion: 117 Resp: 1838964

Ion	Ratio	Lower	Upper
117	100		
119	96.5	77.2	115.8
121	31.2	25.0	37.4

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Supervised By :Semsettin Yesilyurt 11/09/2024

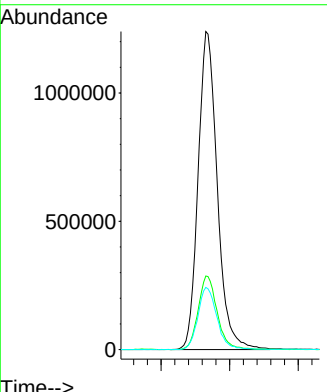
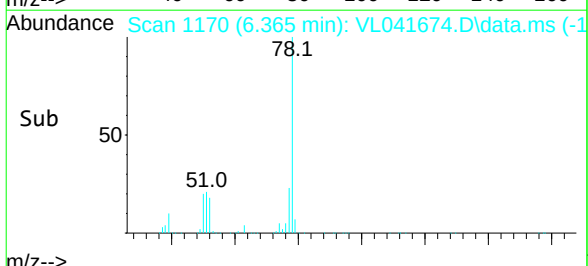


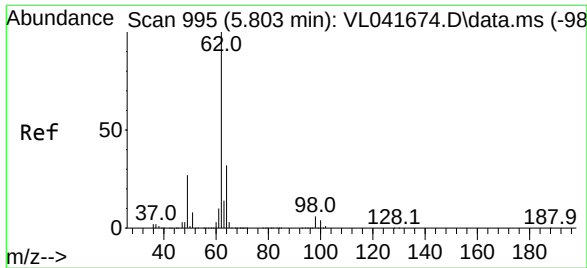
#36
Benzene
Concen: 9.955 ppbv
RT: 6.365 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15



Tgt Ion: 78 Resp: 2404772

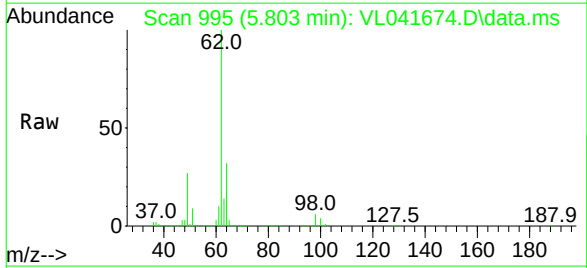
Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.5	27.7
50	19.5	15.6	23.4





#37
1,2-Dichloroethane
Concen: 9.768 ppbv
RT: 5.803 min Scan# 995
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

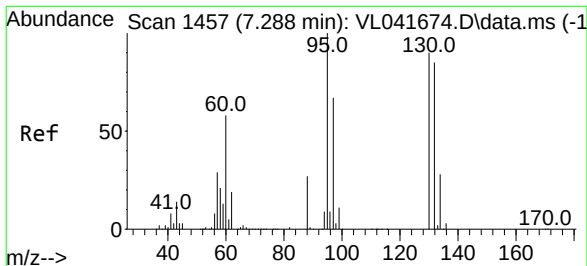
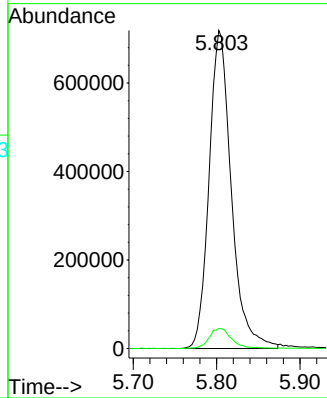
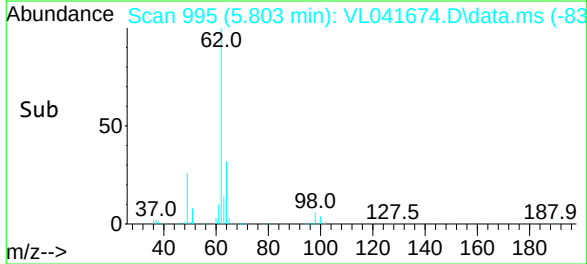
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



Tgt Ion: 62 Resp: 1331275
Ion Ratio Lower Upper
62 100
98 6.5 5.2 7.8

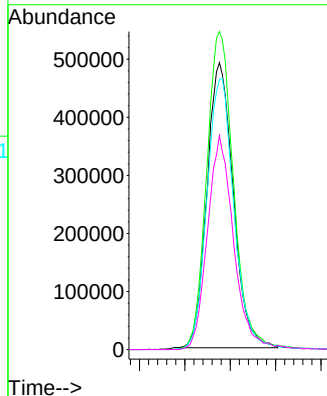
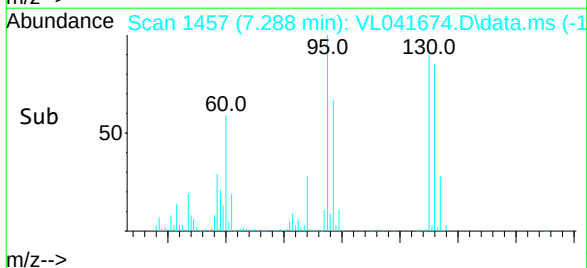
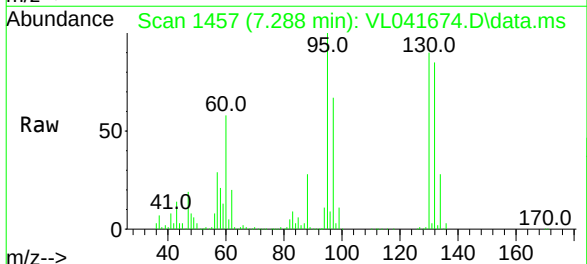
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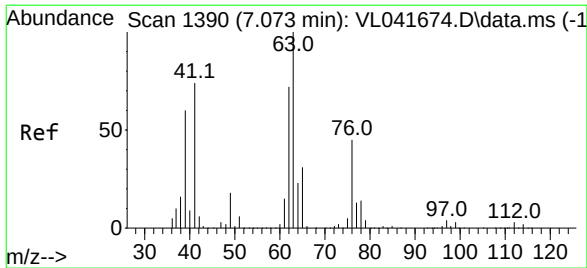
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#38
Trichloroethene
Concen: 10.594 ppbv
RT: 7.288 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

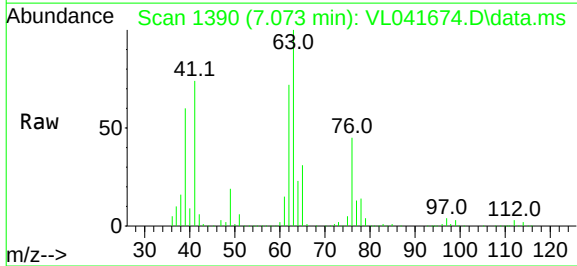
Tgt Ion:130 Resp: 986911
Ion Ratio Lower Upper
130 100
95 111.4 89.1 133.7
132 94.6 75.7 113.5
97 75.0 60.0 90.0





#39
1,2-Dichloropropane
Concen: 9.711 ppbv
RT: 7.073 min Scan# 1390
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

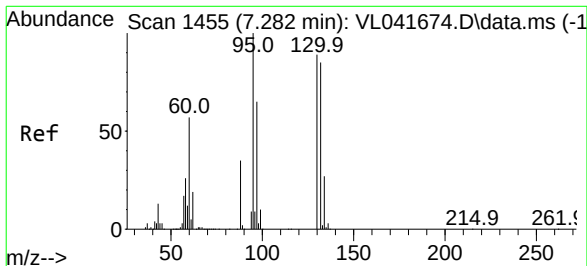
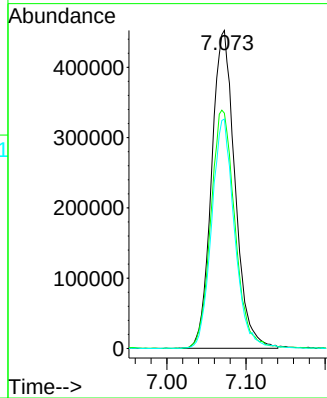
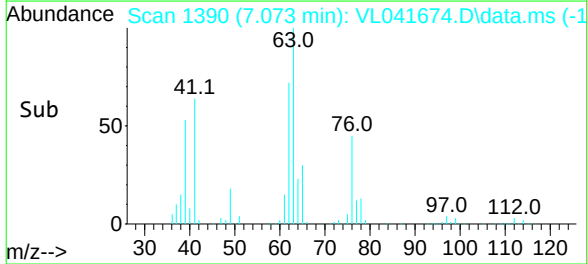
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



Tgt Ion: 63 Resp: 927055
Ion Ratio Lower Upper
63 100
41 73.9 59.1 88.7
62 72.1 57.7 86.5

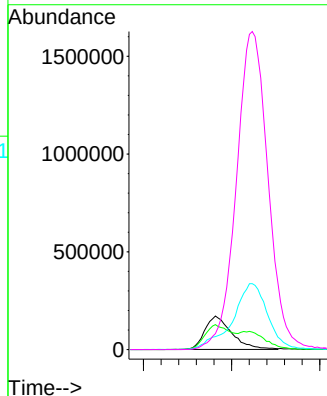
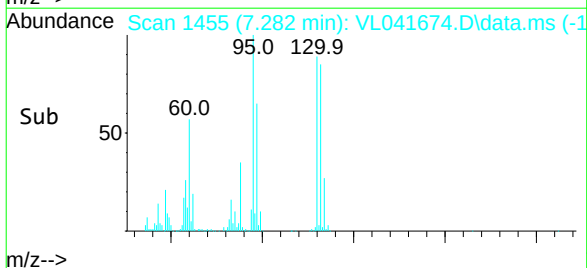
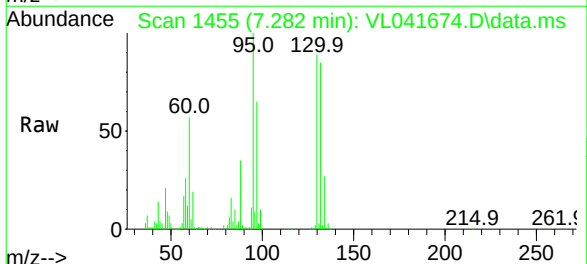
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APPROVED

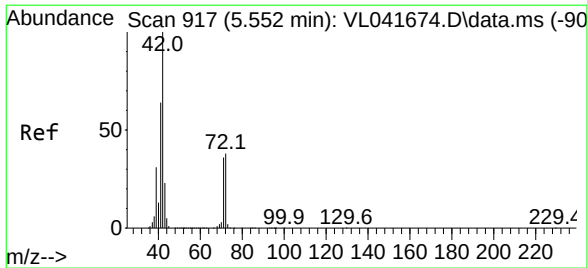
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#40
1,4-Dioxane
Concen: 10.691 ppbv
RT: 7.282 min Scan# 1455
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

Tgt Ion: 88 Resp: 361524
Ion Ratio Lower Upper
88 100
58 126.8 101.4 152.2
43 260.0 208.0 312.0
57 1128.6 902.9 1354.3





#41

Tetrahydrofuran

Concen: 10.379 ppbv

RT: 5.552 min Scan# 917

Delta R.T. 0.000 min

Lab File: VL041674.D

Acq: 7 Nov 2024 10:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 42 Resp: 961227

Ion Ratio Lower Upper

42 100

72 37.2 29.8 44.6

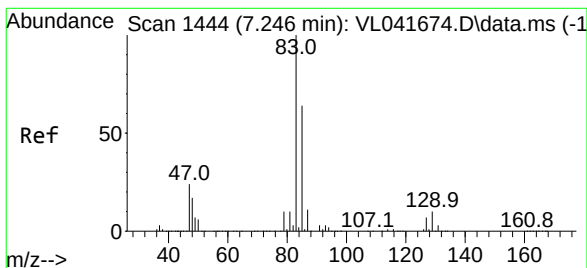
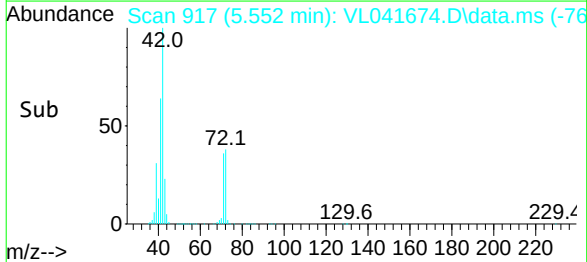
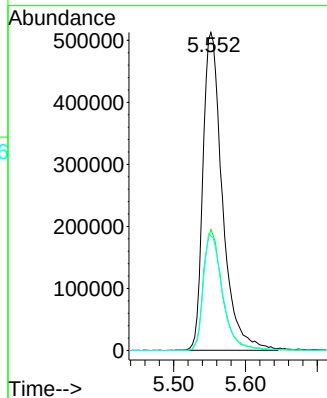
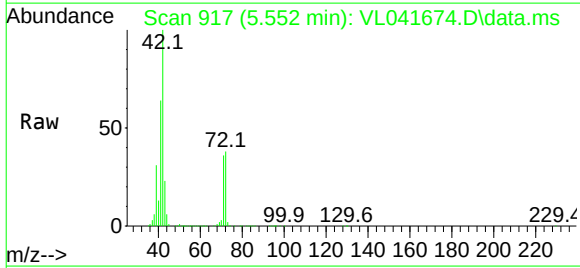
71 36.8 29.4 44.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024

Supervised By :Semsettin Yesilyurt 11/09/2024



#42

Bromodichloromethane

Concen: 10.153 ppbv

RT: 7.246 min Scan# 1444

Delta R.T. 0.000 min

Lab File: VL041674.D

Acq: 7 Nov 2024 10:15

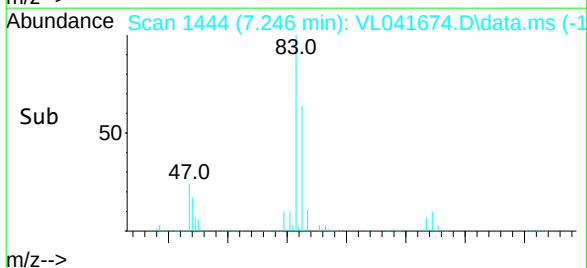
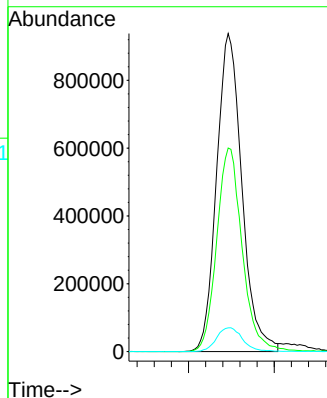
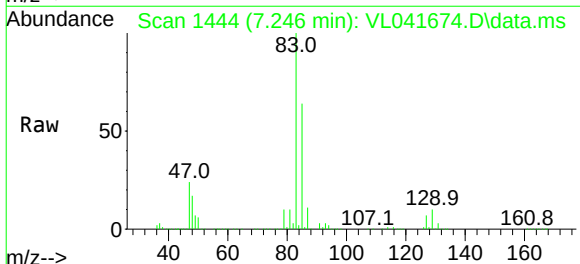
Tgt Ion: 83 Resp: 1922752

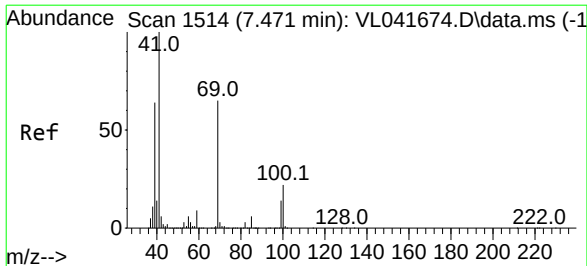
Ion Ratio Lower Upper

83 100

85 64.0 51.2 76.8

127 7.5 6.0 9.0





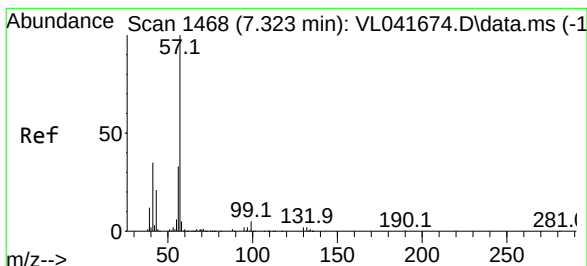
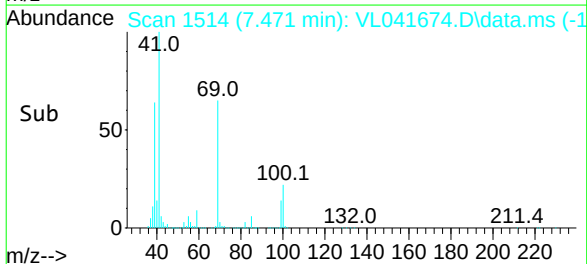
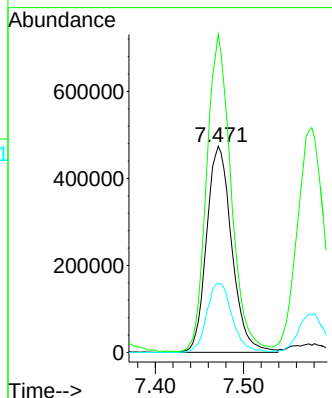
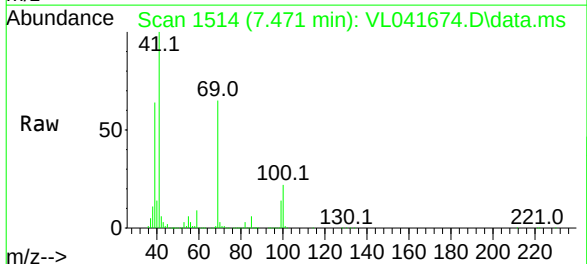
#43
Methyl Methacrylate
Concen: 11.071 ppbv
RT: 7.471 min Scan# 1514
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 69 Resp: 939057
Ion Ratio Lower Upper
69 100
41 149.7 119.8 179.6
100 34.1 27.3 40.9

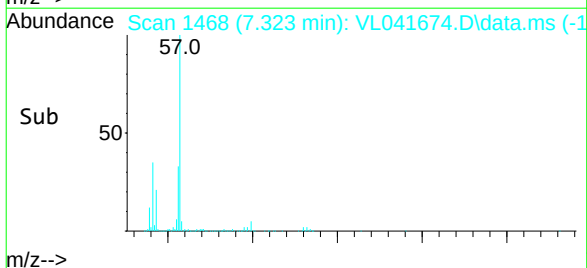
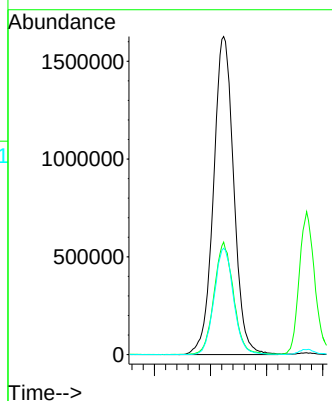
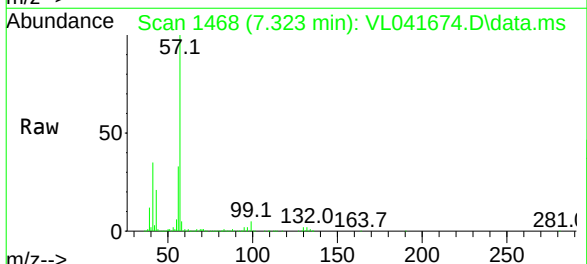
Manual Integrations
APPROVED

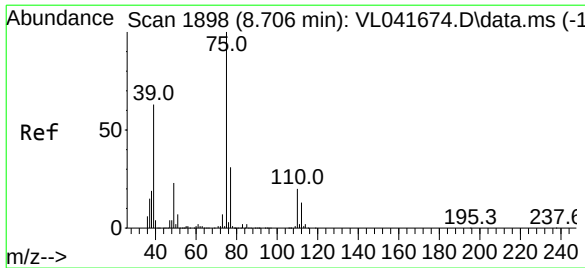
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#44
2,2,4-Trimethylpentane
Concen: 9.968 ppbv
RT: 7.323 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

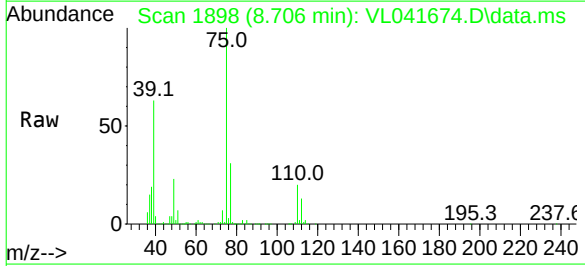
Tgt Ion: 57 Resp: 4079001
Ion Ratio Lower Upper
57 100
41 33.8 27.0 40.6
56 32.2 25.8 38.6





#45
t-1,3-Dichloropropene
Concen: 12.141 ppbv
RT: 8.706 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

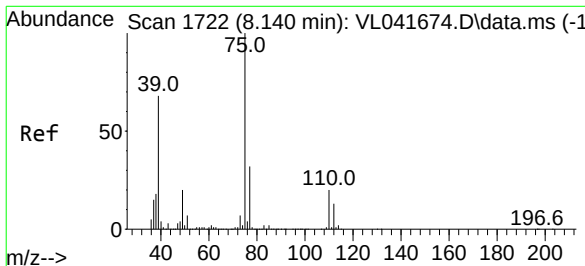
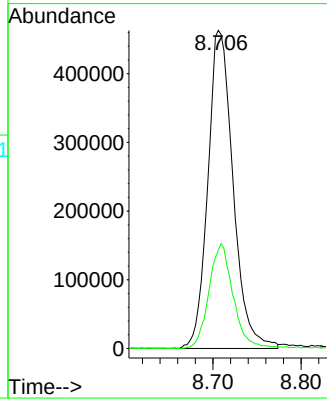
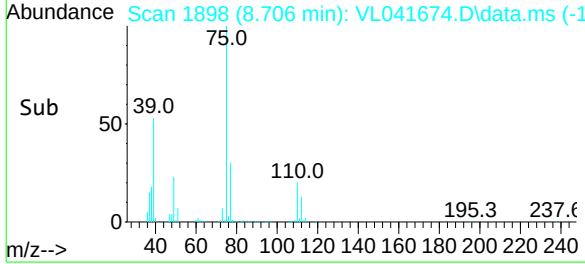
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



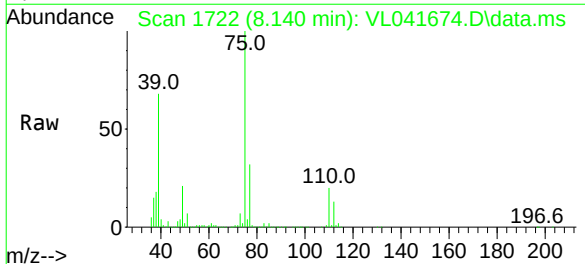
Tgt Ion: 75 Resp: 920537
Ion Ratio Lower Upper
75 100
77 30.9 24.7 37.1

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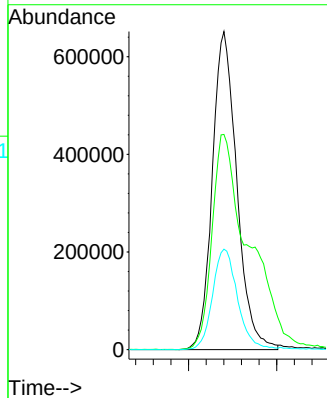
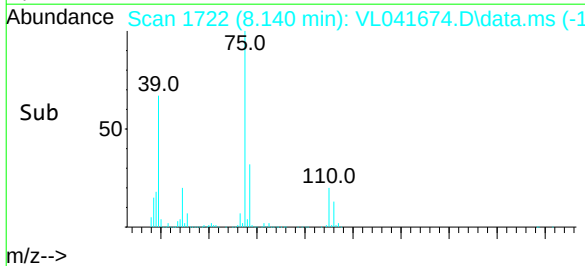
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024

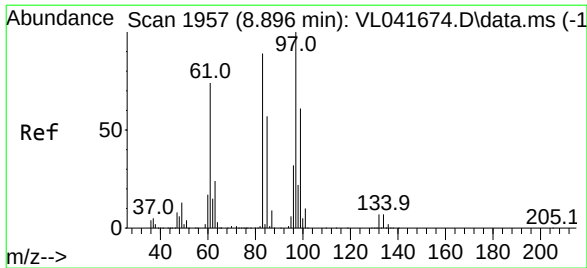


#46
cis-1,3-Dichloropropene
Concen: 11.408 ppbv
RT: 8.140 min Scan# 1722
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15



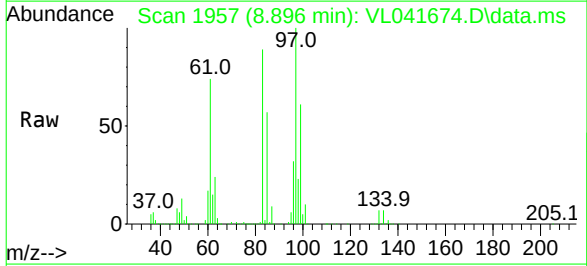
Tgt Ion: 75 Resp: 1257121
Ion Ratio Lower Upper
75 100
39 67.6 54.1 81.1
77 31.6 25.3 37.9





#47
1,1,2-Trichloroethane
Concen: 9.746 ppbv
RT: 8.896 min Scan# 1957
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

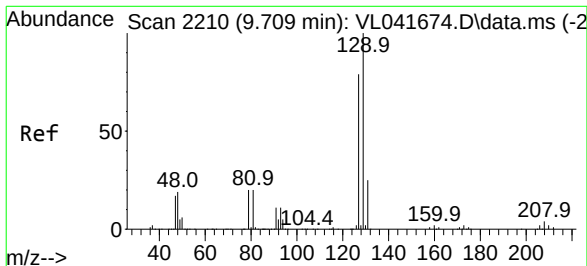
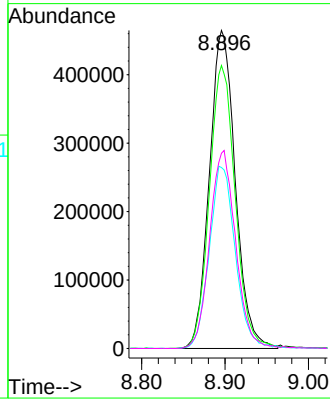
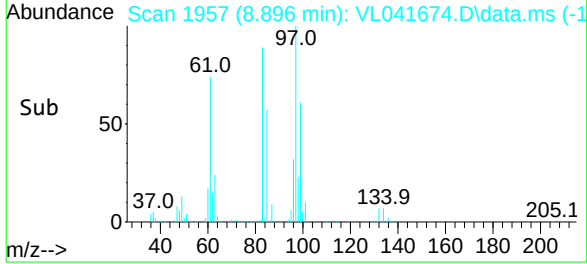
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



Tgt Ion: 97 Resp: 1003150
Ion Ratio Lower Upper
97 100
83 88.8 71.0 106.6
85 56.8 45.4 68.2
99 61.3 49.0 73.6

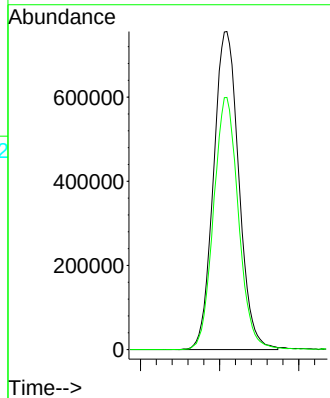
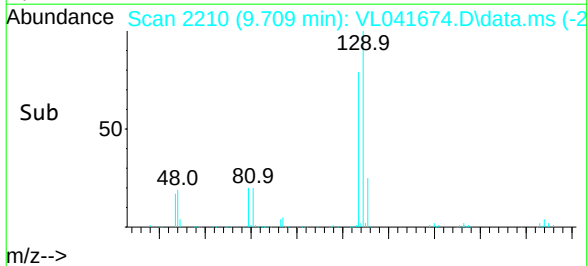
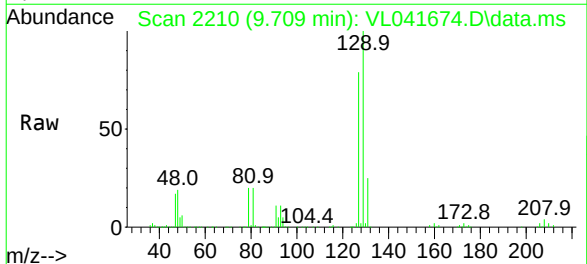
Manual Integrations
APPROVED

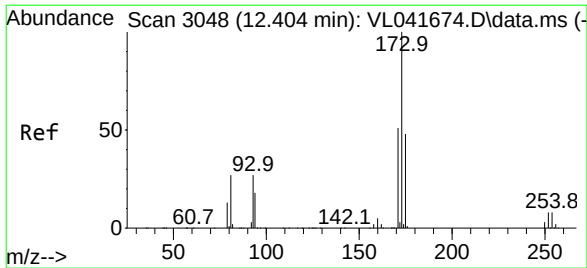
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#48
Dibromochloromethane
Concen: 10.690 ppbv
RT: 9.709 min Scan# 2210
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

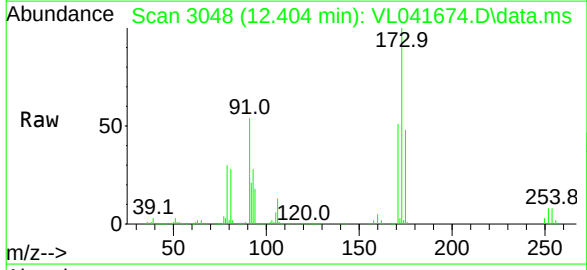
Tgt Ion:129 Resp: 1679053
Ion Ratio Lower Upper
129 100
127 78.1 39.1 117.2





#49
Bromoform
Concen: 11.174 ppbv
RT: 12.404 min Scan# 3048
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

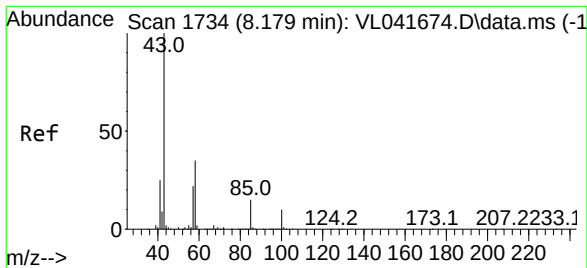
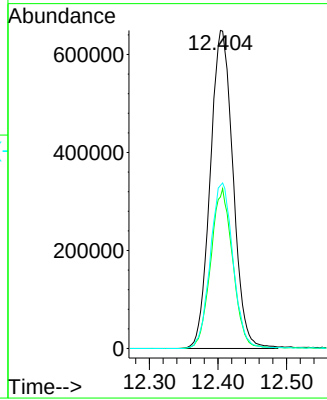
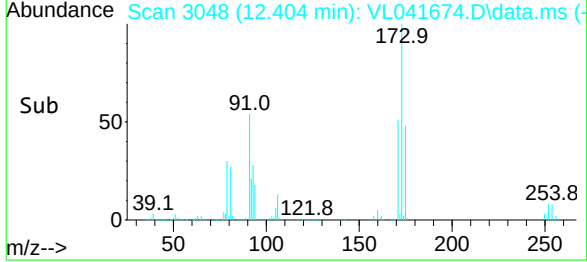
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



Tgt Ion: 173 Resp: 1497222
Ion Ratio Lower Upper
173 100
175 49.0 39.2 58.8
171 52.1 41.7 62.5

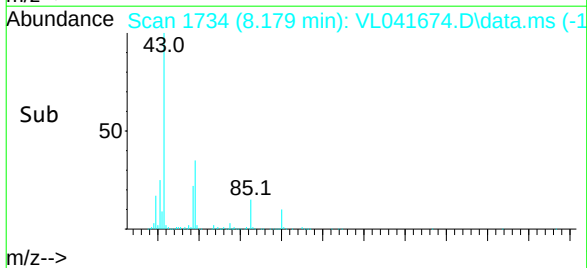
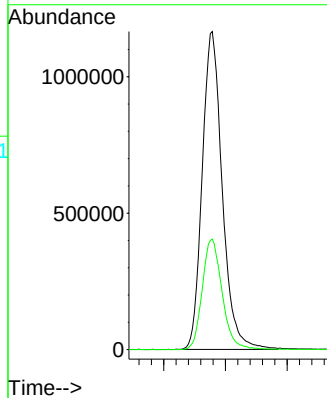
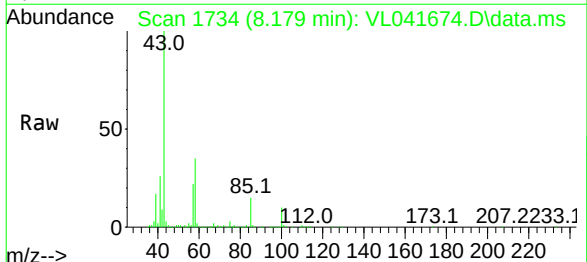
Manual Integrations
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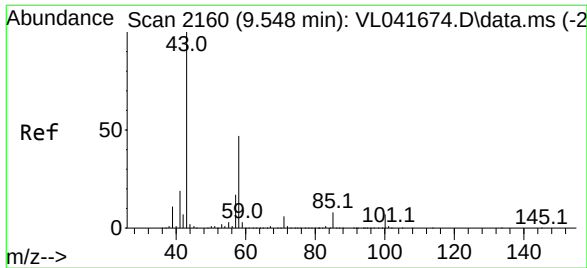
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#50
4-Methyl-2-Pentanone
Concen: 10.544 ppbv
RT: 8.179 min Scan# 1734
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

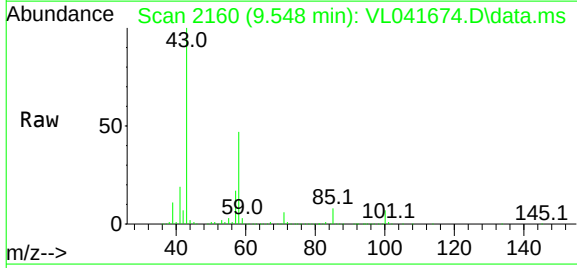
Tgt Ion: 43 Resp: 2628657
Ion Ratio Lower Upper
43 100
58 34.6 27.7 41.5





#51
2-Hexanone
Concen: 11.281 ppbv
RT: 9.548 min Scan# 2160
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

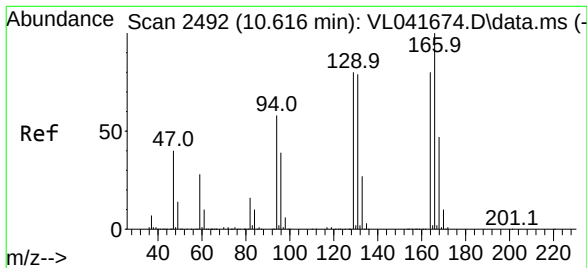
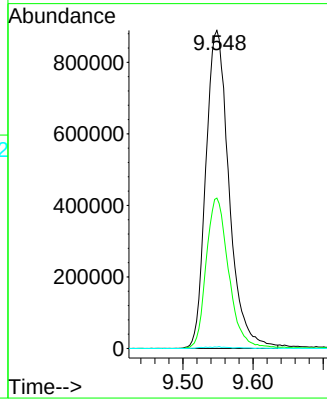
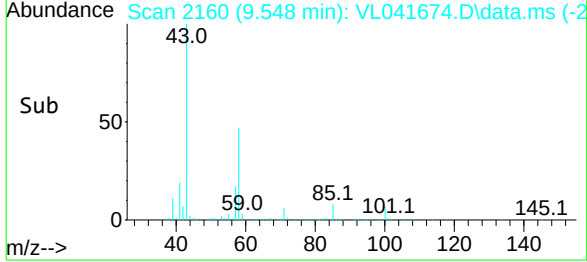
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



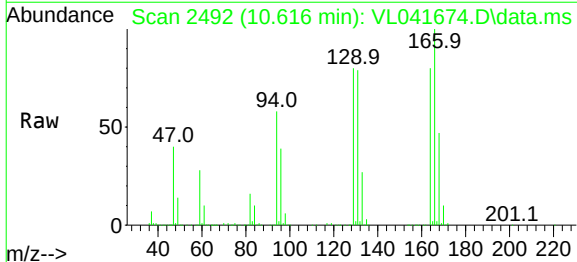
Tgt Ion: 43 Resp: 2043690
Ion Ratio Lower Upper
43 100
58 46.3 37.0 55.6
98 0.7 0.6 0.8

Manual Integrations
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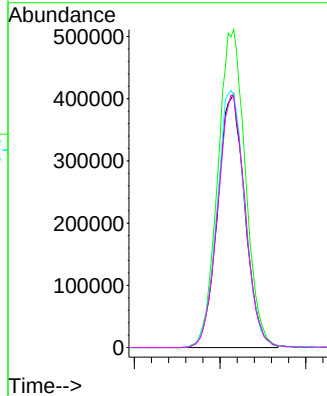
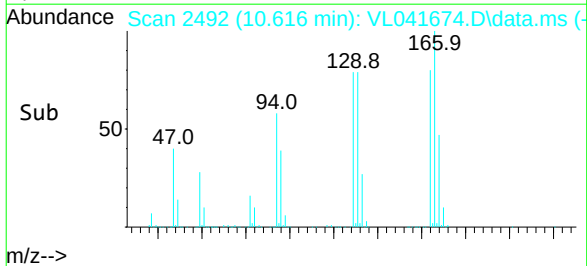
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024

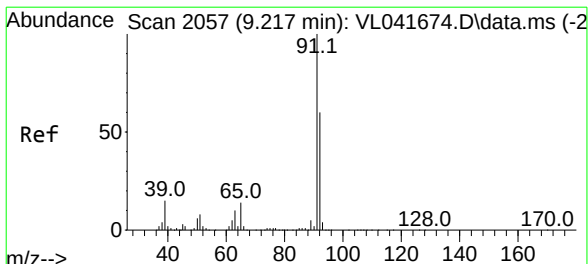


#52
Tetrachloroethene
Concen: 10.893 ppbv
RT: 10.616 min Scan# 2492
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15



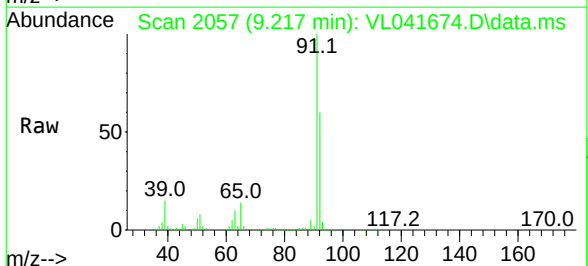
Tgt Ion:164 Resp: 899580
Ion Ratio Lower Upper
164 100
166 125.3 100.2 150.4
129 99.6 79.7 119.5
131 98.7 79.0 118.4





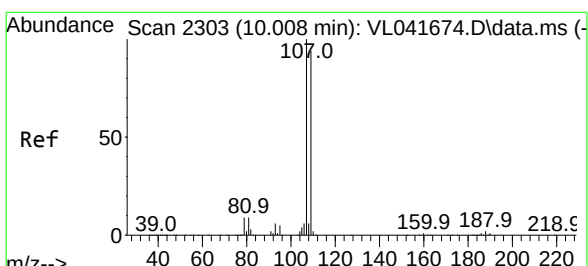
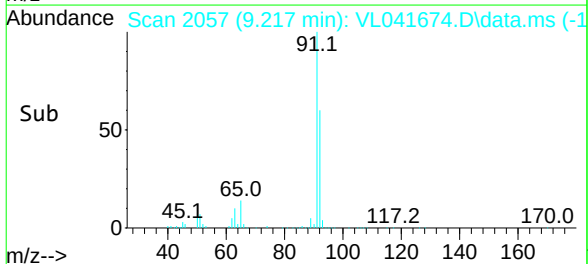
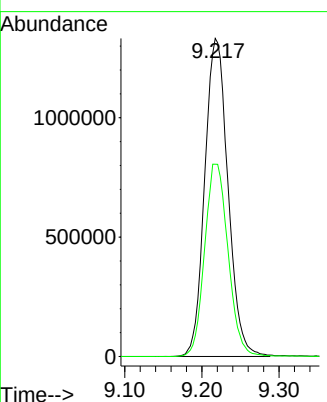
#53
 Toluene
 Concen: 10.973 ppbv
 RT: 9.217 min Scan# 2057
 Delta R.T. 0.000 min
 Lab File: VL041674.D
 Acq: 7 Nov 2024 10:15

Instrument : MSVOA_L
 ClientSampleId : VSTDICCC010



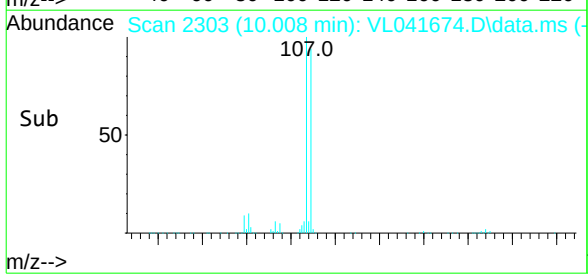
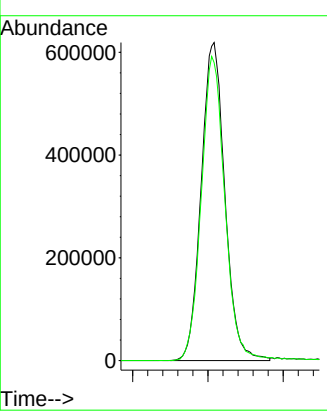
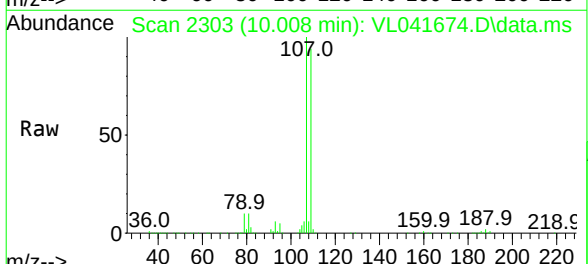
Tgt Ion: 91 Resp: 2787596
 Ion Ratio Lower Upper
 91 100
 92 61.2 49.0 73.4

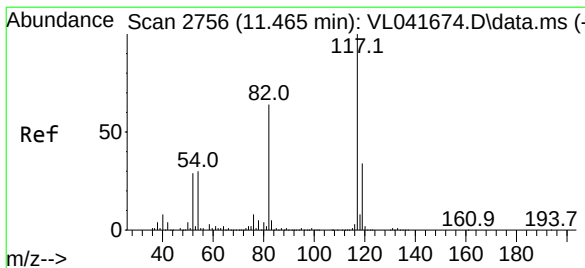
Manual Integrations
APPROVED
 Reviewed By :Mahesh Dadoda 11/09/2024
 Supervised By :Semsettin Yesilyurt 11/09/2024



#54
 1,2-Dibromoethane
 Concen: 11.262 ppbv
 RT: 10.008 min Scan# 2303
 Delta R.T. 0.000 min
 Lab File: VL041674.D
 Acq: 7 Nov 2024 10:15

Tgt Ion:107 Resp: 1353490
 Ion Ratio Lower Upper
 107 100
 109 93.6 74.9 112.3





#55

Chlorobenzene-d5

Concen: 10.000 ppbv m

RT: 11.465 min Scan# 2756

Delta R.T. 0.000 min

Lab File: VL041674.D

Acq: 7 Nov 2024 10:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion:117 Resp: 3326206

Ion Ratio Lower Upper

117 100

82 59.2 49.8 74.8

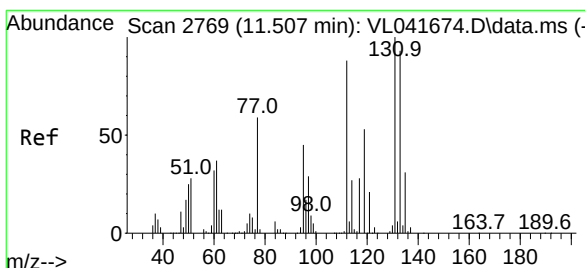
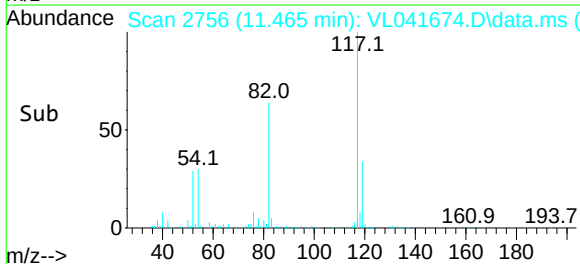
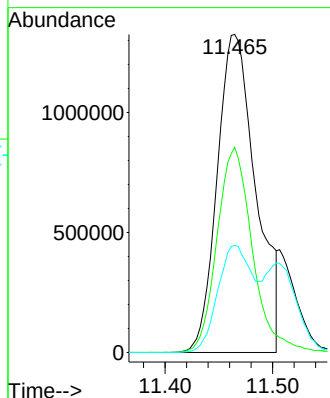
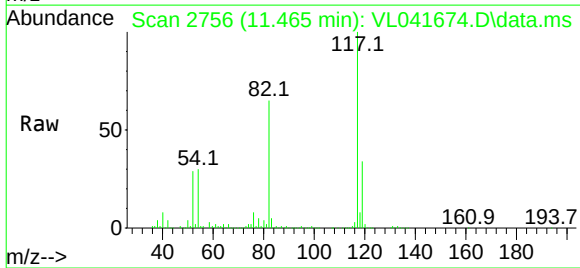
119 28.8 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024

Supervised By :Semsettin Yesilyurt 11/09/2024



#56

1,1,1,2-Tetrachloroethane

Concen: 9.142 ppbv

RT: 11.507 min Scan# 2769

Delta R.T. 0.000 min

Lab File: VL041674.D

Acq: 7 Nov 2024 10:15

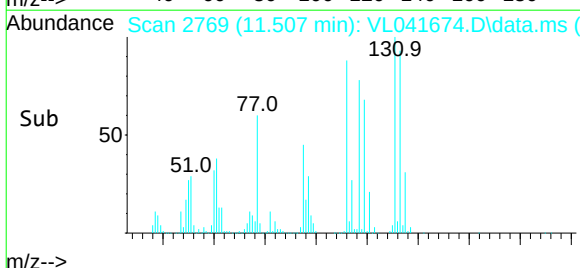
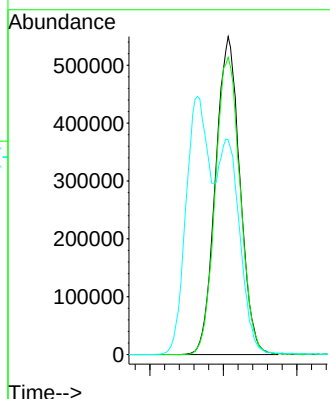
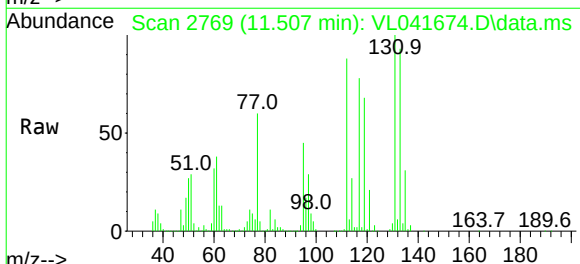
Tgt Ion:131 Resp: 1266326

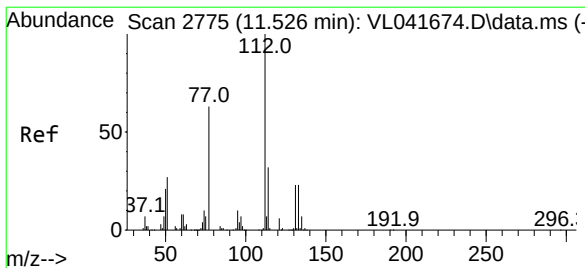
Ion Ratio Lower Upper

131 100

133 95.6 76.5 114.7

119 62.3 49.8 74.8





#57

Chlorobenzene

Concen: 9.024 ppbv

RT: 11.526 min Scan# 2775

Delta R.T. 0.000 min

Lab File: VL041674.D

Acq: 7 Nov 2024 10:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion:112 Resp: 2237328

Ion Ratio Lower Upper

112 100

77 64.3 51.4 77.2

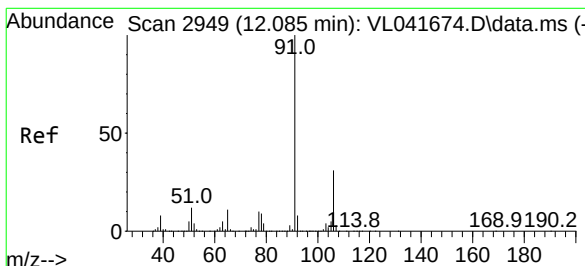
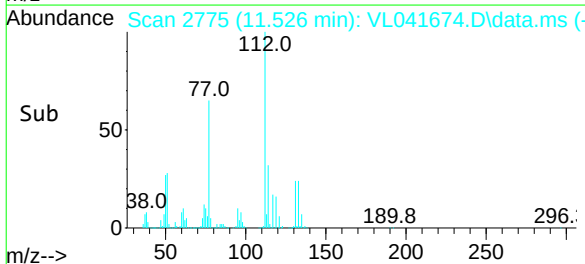
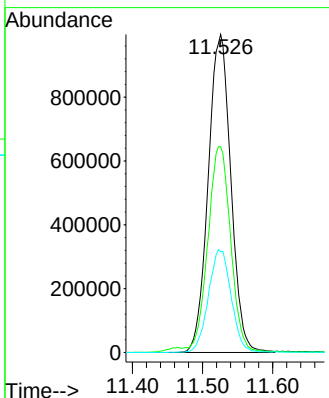
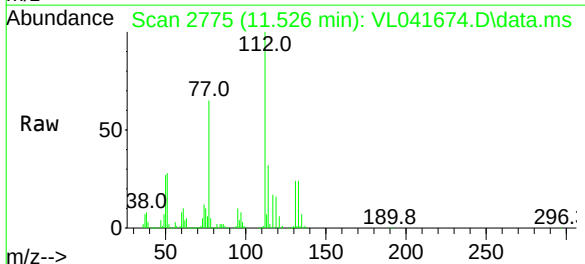
114 31.6 28.4 34.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024

Supervised By :Semsettin Yesilyurt 11/09/2024



#58

Ethyl Benzene

Concen: 10.301 ppbv

RT: 12.085 min Scan# 2949

Delta R.T. 0.000 min

Lab File: VL041674.D

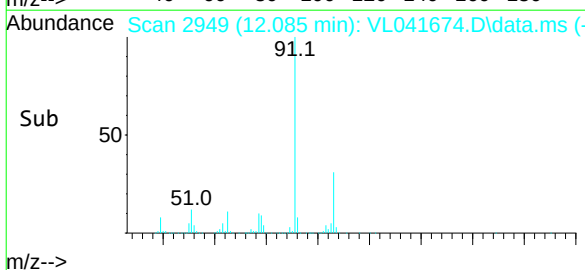
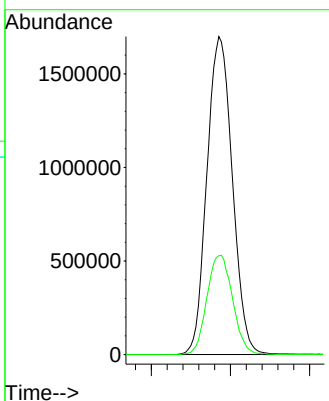
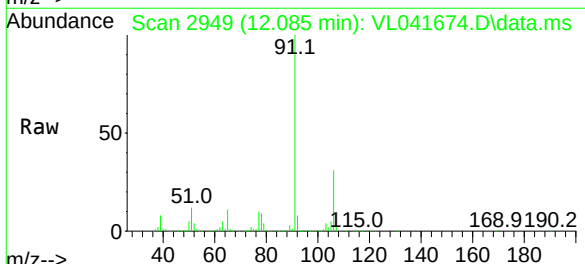
Acq: 7 Nov 2024 10:15

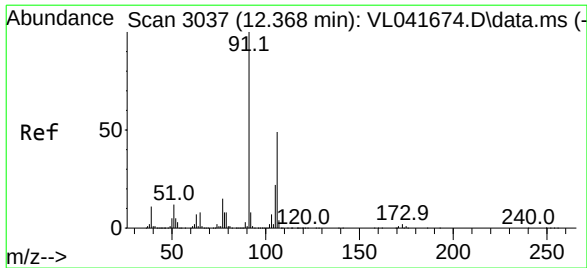
Tgt Ion: 91 Resp: 3795372

Ion Ratio Lower Upper

91 100

106 31.1 24.9 37.3





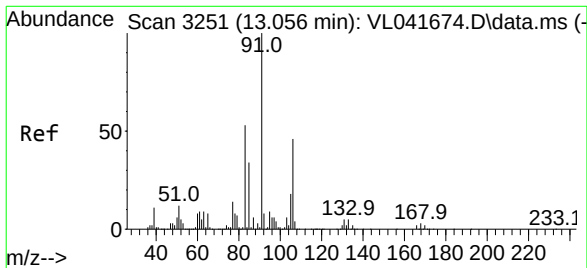
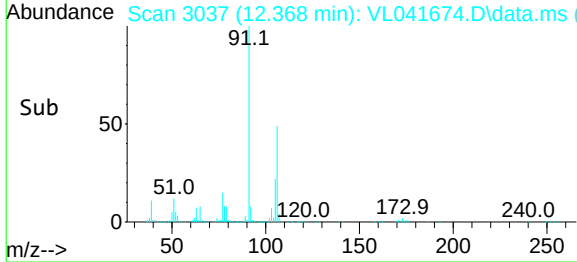
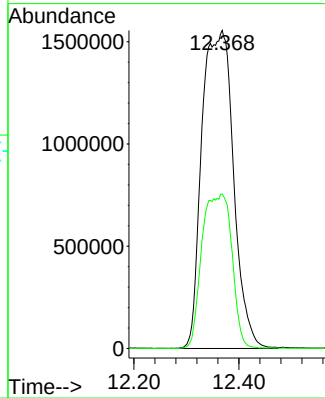
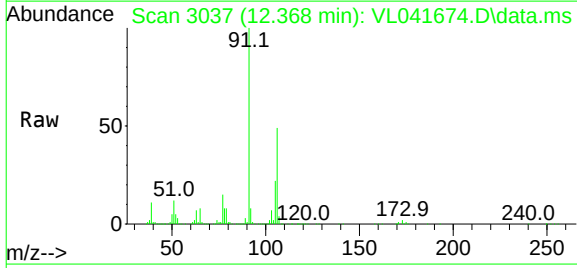
#59
m/p-Xylene
Concen: 19.671 ppbv m
RT: 12.368 min Scan# 3037
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 6483858
Ion Ratio Lower Upper
91 100
106 46.1 36.9 55.3

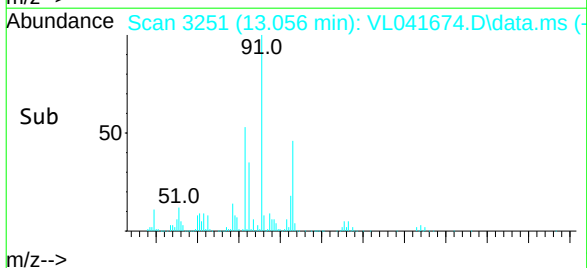
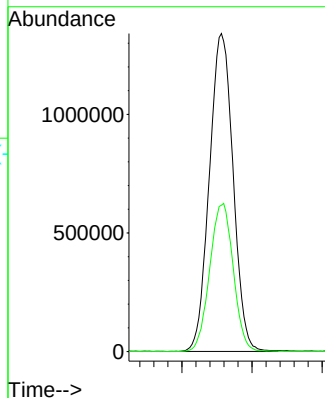
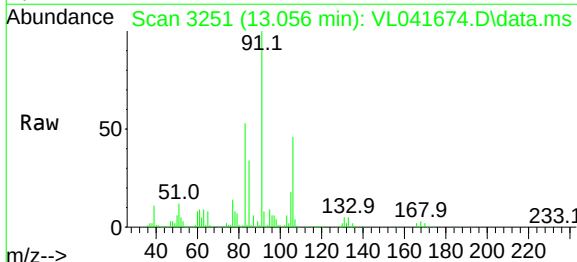
Manual Integrations
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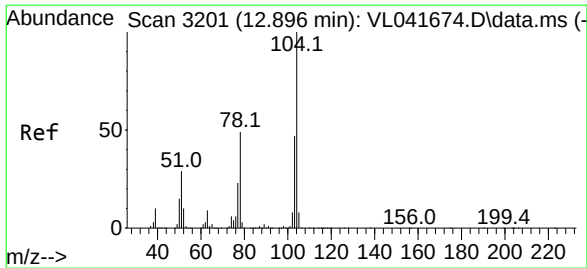
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#60
o-Xylene
Concen: 10.005 ppbv
RT: 13.056 min Scan# 3251
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

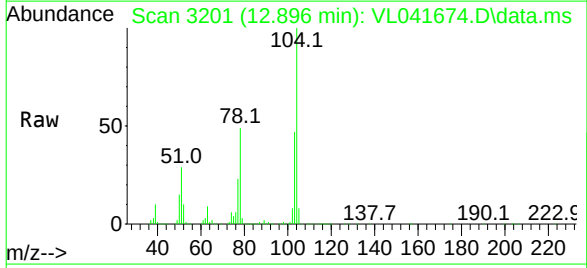
Tgt Ion: 91 Resp: 3148609
Ion Ratio Lower Upper
91 100
106 46.4 23.2 69.6





#61
Styrene
Concen: 11.670 ppbv
RT: 12.896 min Scan# 3201
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

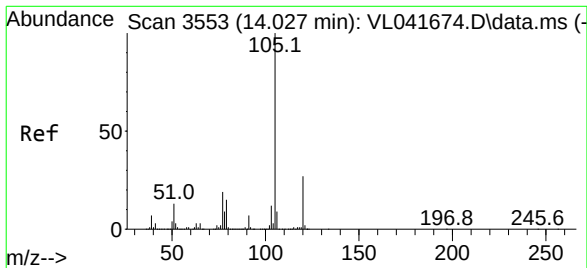
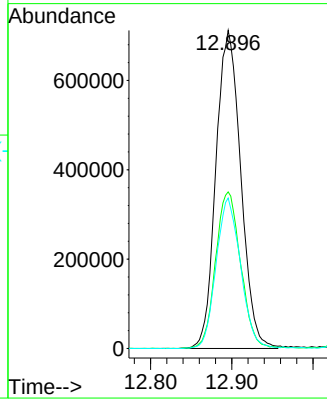
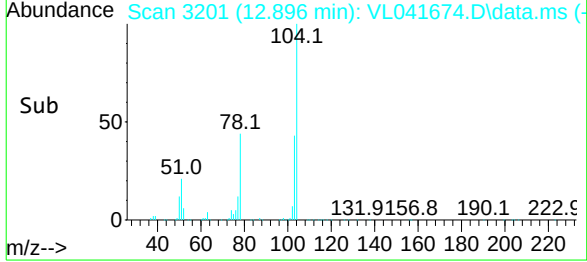
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



Tgt Ion:104 Resp: 1515741
Ion Ratio Lower Upper
104 100
78 49.8 39.8 59.8
103 46.7 37.4 56.0

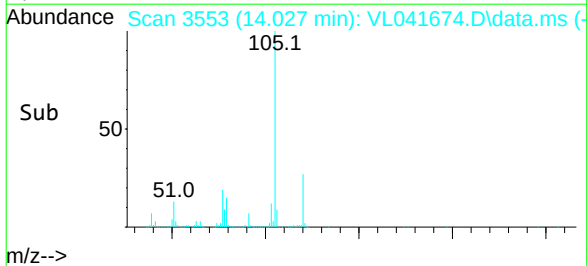
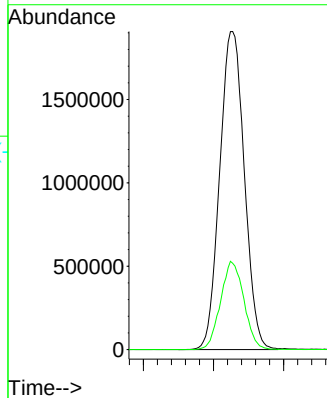
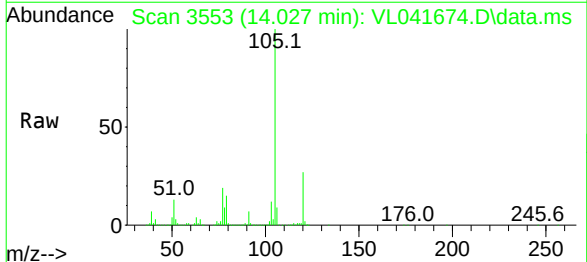
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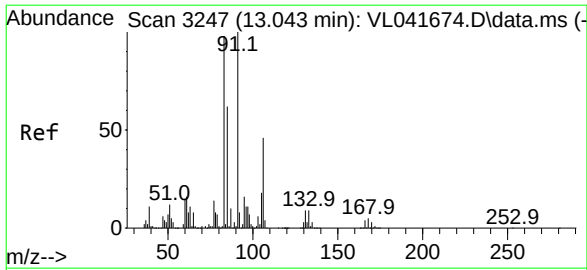
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#62
Isopropylbenzene
Concen: 9.566 ppbv
RT: 14.027 min Scan# 3553
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

Tgt Ion:105 Resp: 4647017
Ion Ratio Lower Upper
105 100
120 26.4 21.1 31.7





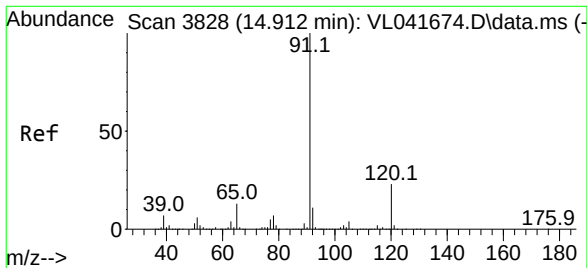
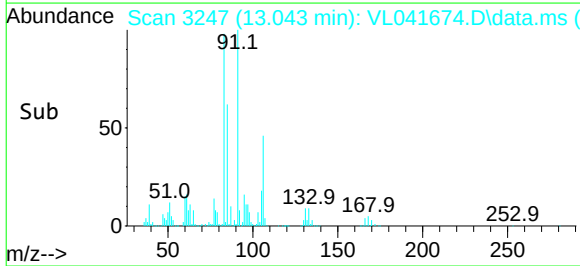
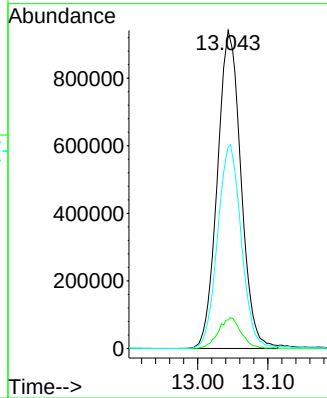
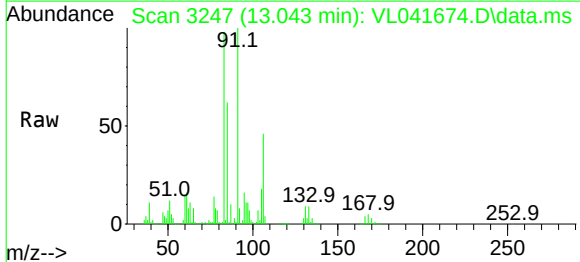
#63
1,1,2,2-Tetrachloroethane
Concen: 9.578 ppbv
RT: 13.043 min Scan# 3247
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 83 Resp: 2194609
Ion Ratio Lower Upper
83 100
131 9.5 4.8 14.3
85 65.3 32.6 98.0

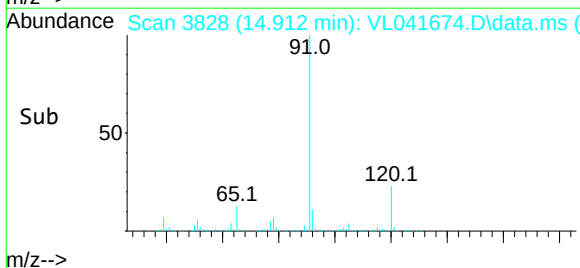
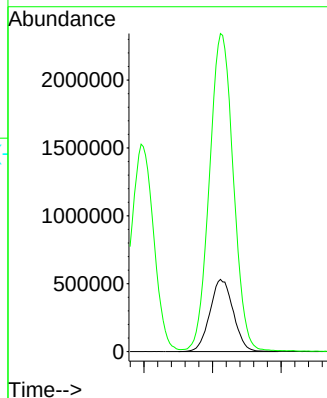
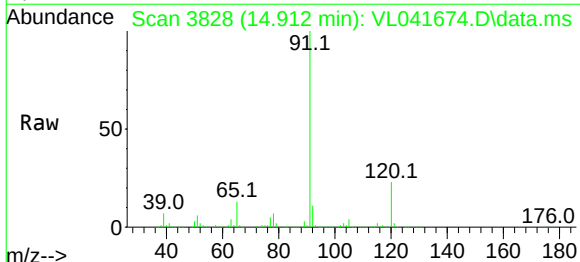
Manual Integrations
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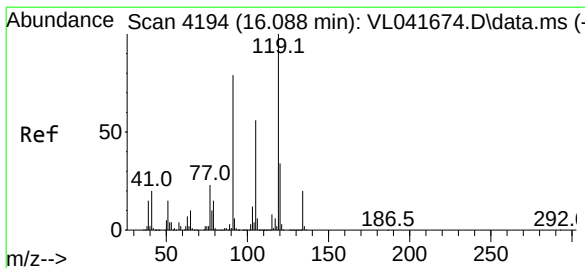
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#64
n-propylbenzene
Concen: 9.895 ppbv
RT: 14.912 min Scan# 3828
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

Tgt Ion:120 Resp: 1256955
Ion Ratio Lower Upper
120 100
91 453.0 362.4 543.6





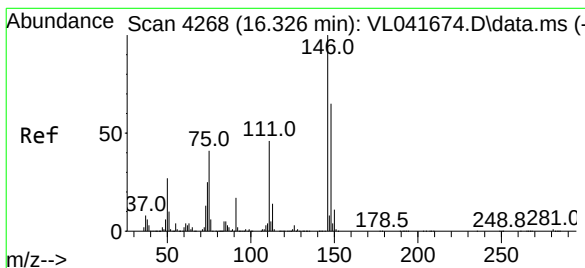
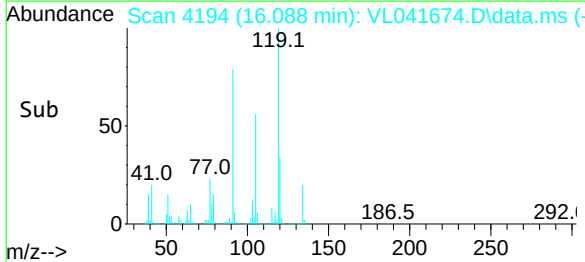
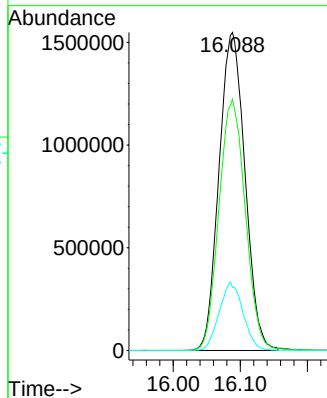
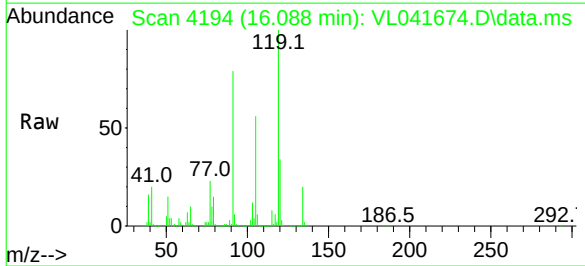
#65
tert-Butylbenzene
Concen: 9.533 ppbv
RT: 16.088 min Scan# 4194
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:119 Resp: 4162243
Ion Ratio Lower Upper
119 100
91 80.4 64.3 96.5
134 19.8 15.8 23.8

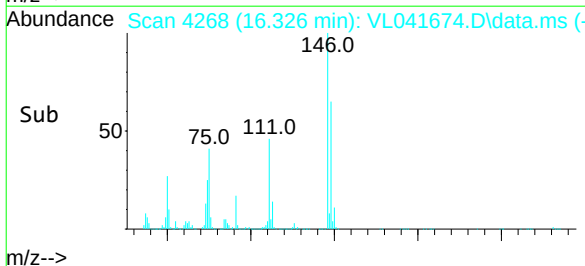
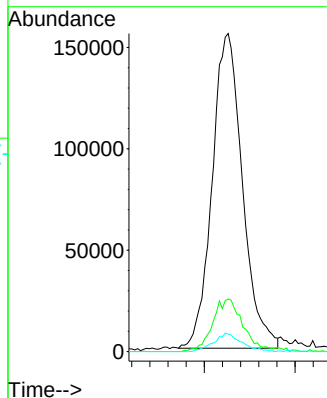
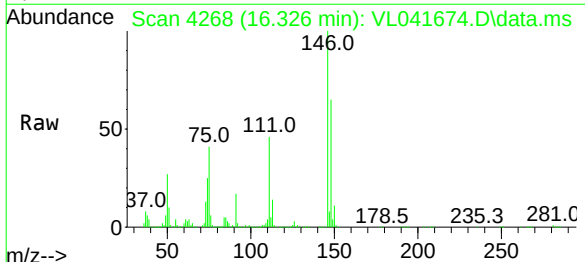
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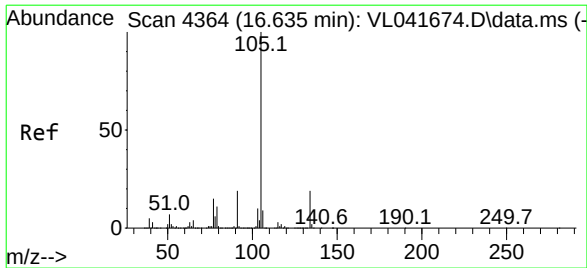
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#66
Benzyl Chloride
Concen: 11.442 ppbv
RT: 16.326 min Scan# 4268
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

Tgt Ion: 91 Resp: 359794
Ion Ratio Lower Upper
91 100
126 17.2 13.8 20.6
128 5.4 4.3 6.5





#67

sec-Butylbenzene

Concen: 9.519 ppbv

RT: 16.635 min Scan# 4364

Delta R.T. 0.000 min

Lab File: VL041674.D

Acq: 7 Nov 2024 10:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion:105 Resp: 5857608

Ion Ratio Lower Upper

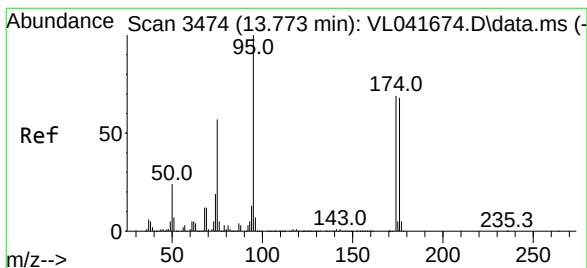
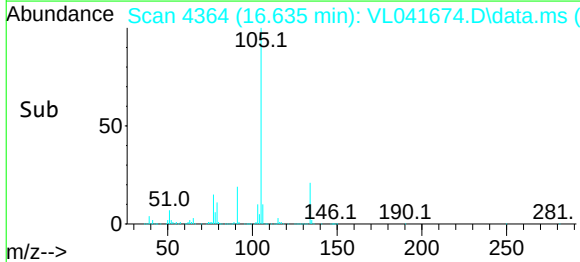
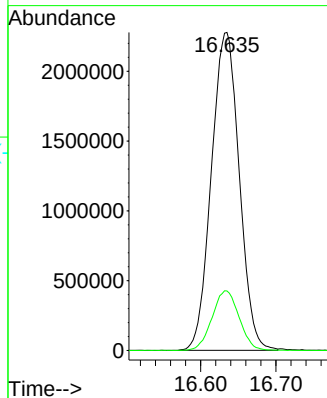
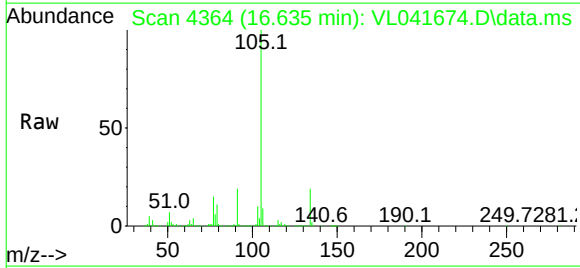
105 100

134 18.3 14.6 22.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#68

1-Bromo-4-Fluorobenzene

Concen: 9.677 ppbv

RT: 13.773 min Scan# 3474

Delta R.T. 0.000 min

Lab File: VL041674.D

Acq: 7 Nov 2024 10:15

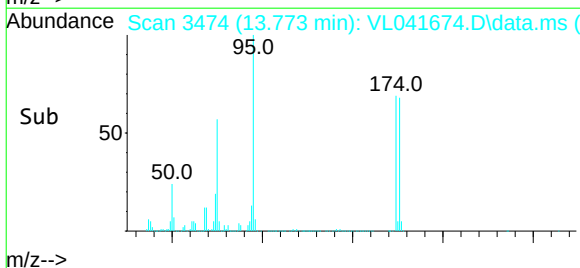
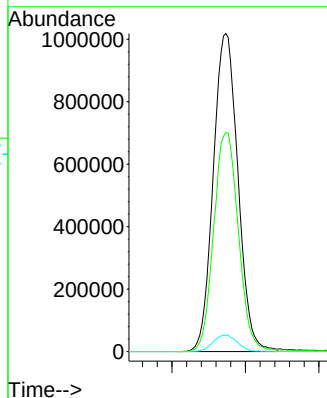
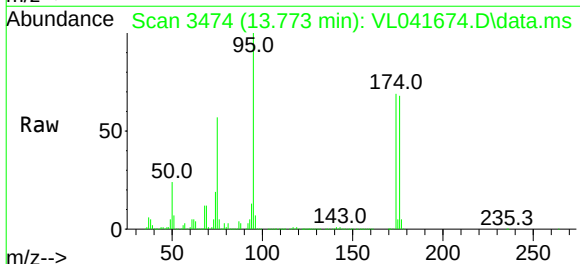
Tgt Ion: 95 Resp: 2380541

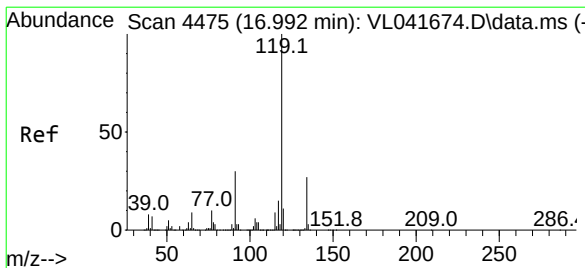
Ion Ratio Lower Upper

95 100

174 69.5 55.6 83.4

175 5.2 4.2 6.2





#69

p-Isopropyltoluene

Concen: 9.887 ppbv

RT: 16.992 min Scan# 4475

Delta R.T. 0.000 min

Lab File: VL041674.D

Acq: 7 Nov 2024 10:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 119 Resp: 4920309

Ion Ratio Lower Upper

119 100

134 26.0 20.8 31.2

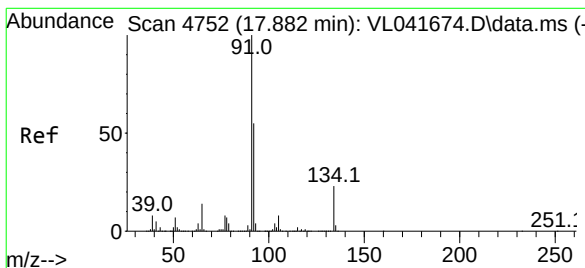
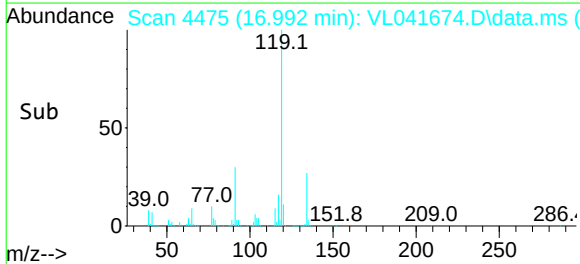
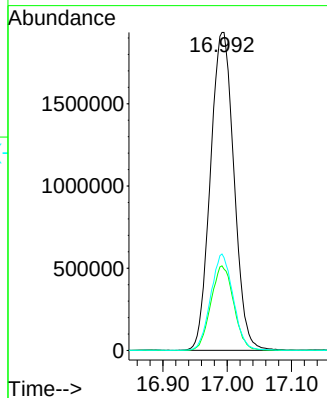
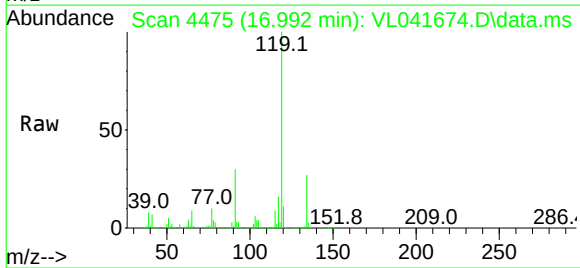
91 29.0 23.2 34.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024

Supervised By :Semsettin Yesilyurt 11/09/2024



#70

n-Butylbenzene

Concen: 9.843 ppbv

RT: 17.882 min Scan# 4752

Delta R.T. 0.000 min

Lab File: VL041674.D

Acq: 7 Nov 2024 10:15

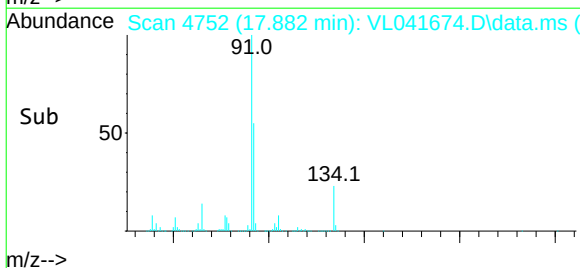
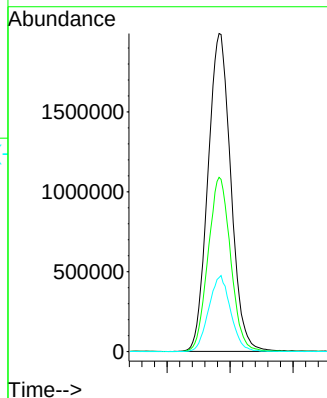
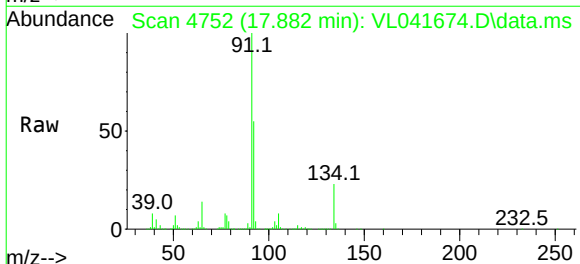
Tgt Ion: 91 Resp: 5021145

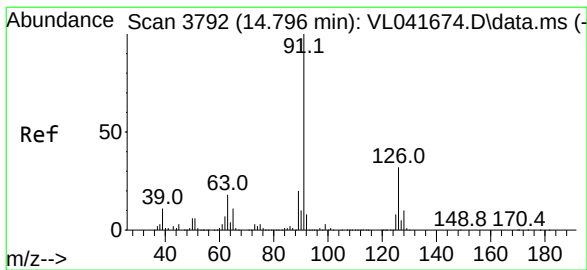
Ion Ratio Lower Upper

91 100

92 54.1 43.3 64.9

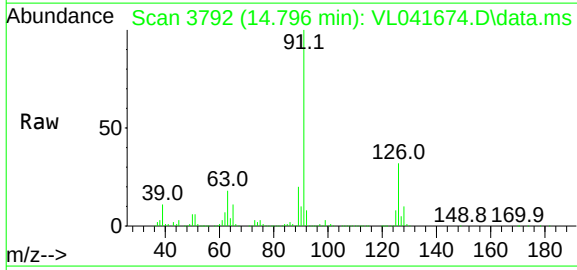
134 23.0 18.4 27.6





#71
2-Chlorotoluene
Concen: 9.986 ppbv
RT: 14.796 min Scan# 3792
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

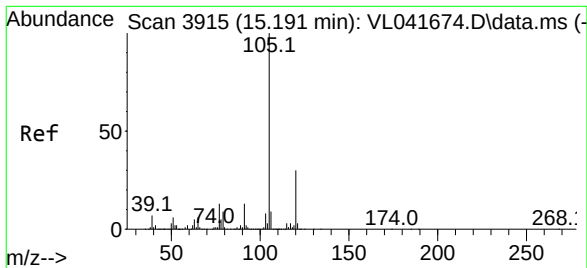
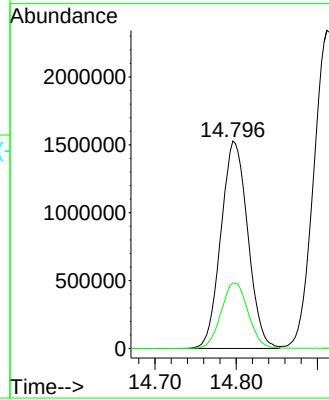
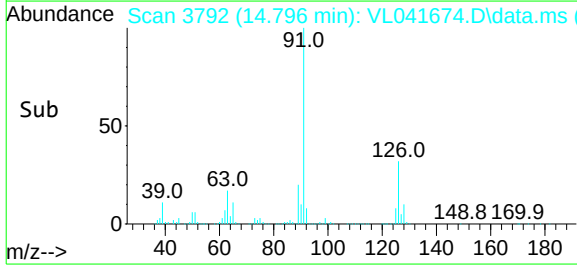
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



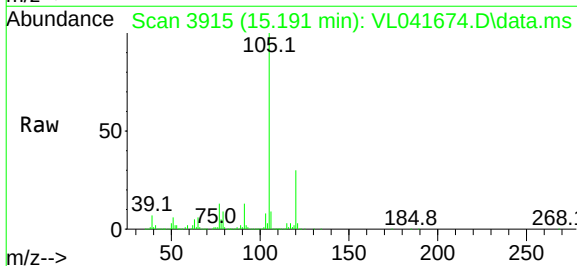
Tgt Ion: 91 Resp: 3508288
Ion Ratio Lower Upper
91 100
126 31.9 12.8 51.0

Manual Integrations
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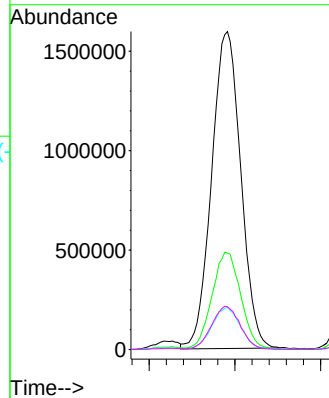
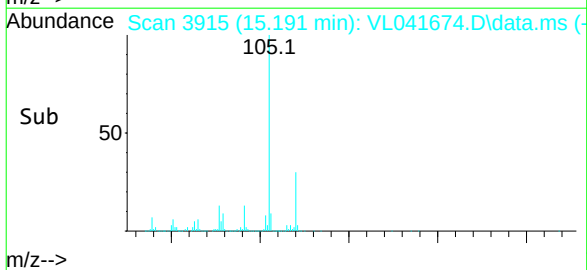
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024

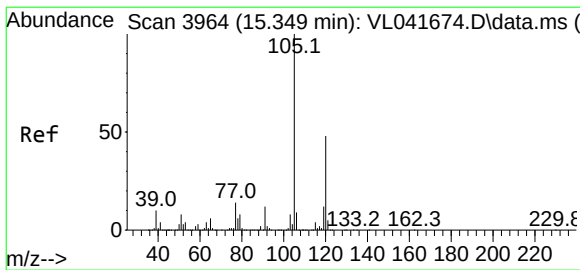


#72
4-Ethyltoluene
Concen: 10.297 ppbv
RT: 15.191 min Scan# 3915
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15



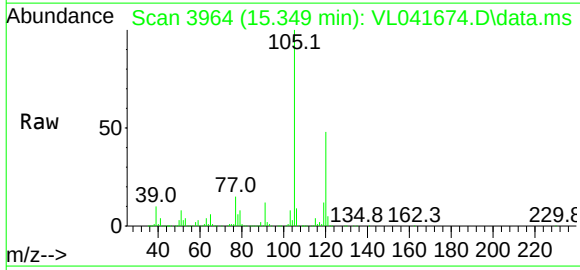
Tgt Ion:105 Resp: 3763123
Ion Ratio Lower Upper
105 100
120 31.2 25.0 37.4
91 13.2 10.6 15.8
77 13.9 11.1 16.7





#73
1,3,5-Trimethylbenzene
Concen: 10.042 ppbv
RT: 15.349 min Scan# 3964
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

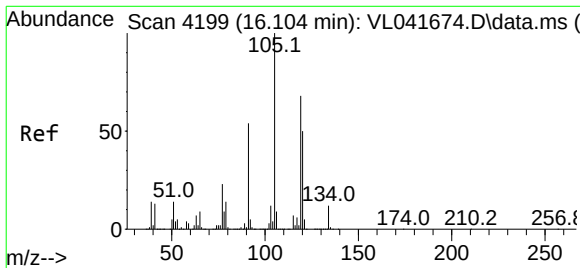
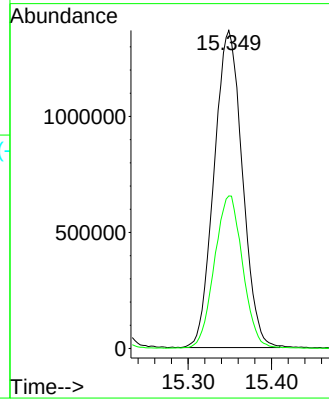
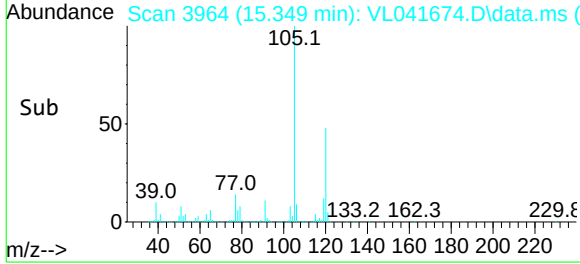
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



Tgt Ion:105 Resp: 3217635
Ion Ratio Lower Upper
105 100
120 48.0 38.4 57.6

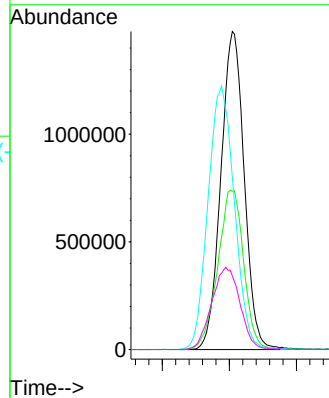
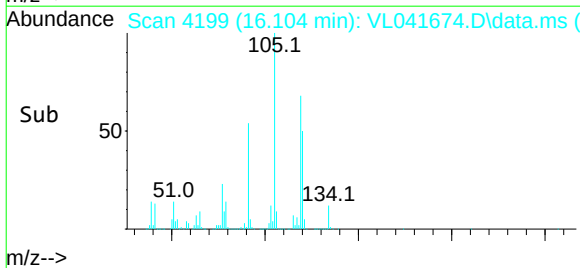
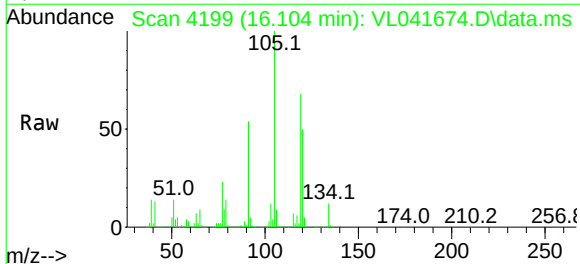
Manual Integrations
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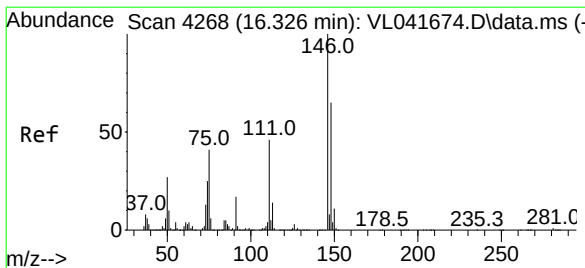
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#74
1,2,4-Trimethylbenzene
Concen: 9.559 ppbv
RT: 16.104 min Scan# 4199
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

Tgt Ion:105 Resp: 3563067
Ion Ratio Lower Upper
105 100
120 49.8 39.8 59.8
91 54.0 43.2 64.8
77 23.1 18.5 27.7





#75

1,3-Dichlorobenzene

Concen: 9.524 ppbv

RT: 16.326 min Scan# 4268

Delta R.T. 0.000 min

Lab File: VL041674.D

Acq: 7 Nov 2024 10:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion:146 Resp: 2192903

Ion Ratio Lower Upper

146 100

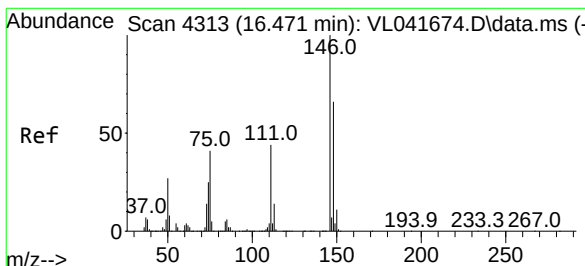
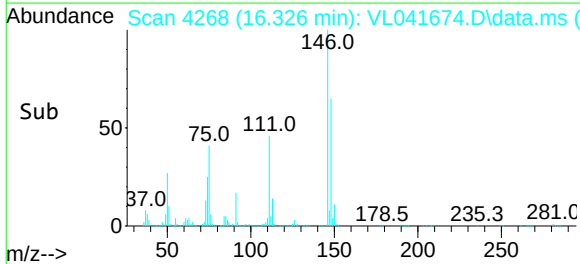
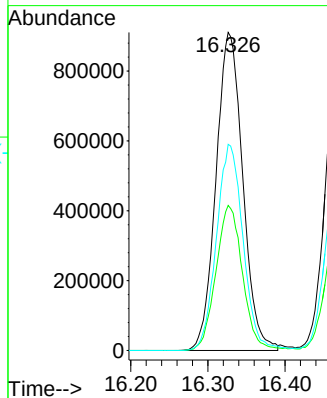
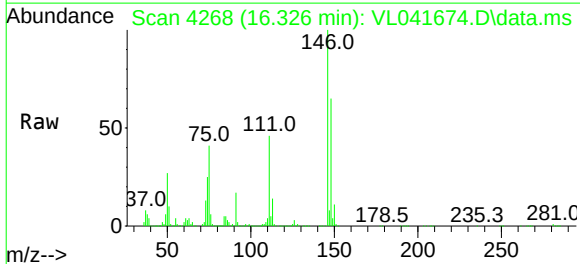
111 45.5 22.8 68.3

148 64.7 32.4 97.0

Manual Integrations

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Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#76

1,4-Dichlorobenzene

Concen: 9.479 ppbv

RT: 16.471 min Scan# 4313

Delta R.T. 0.000 min

Lab File: VL041674.D

Acq: 7 Nov 2024 10:15

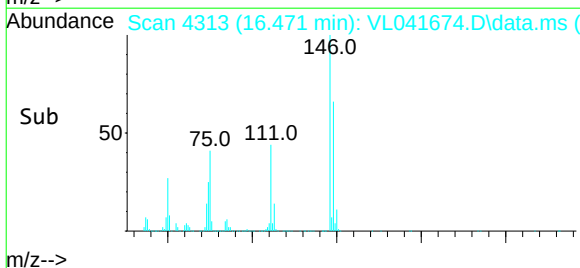
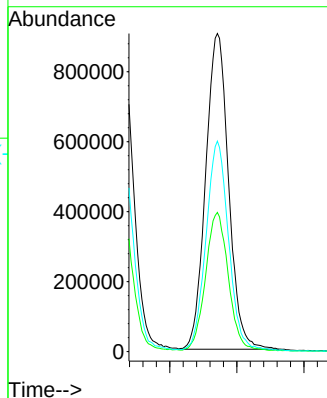
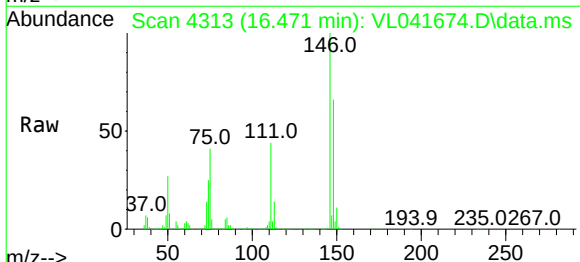
Tgt Ion:146 Resp: 2144446

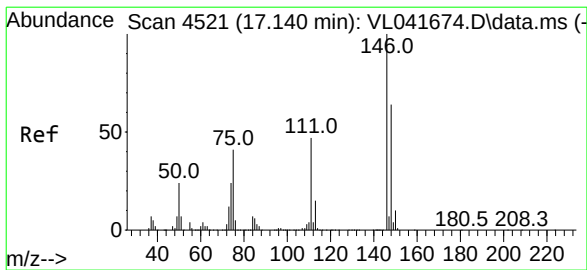
Ion Ratio Lower Upper

146 100

111 44.2 22.1 66.3

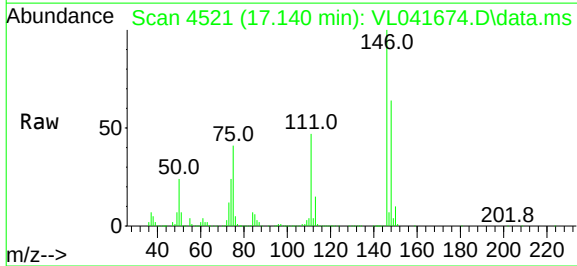
148 66.5 33.3 99.8





#77
1,2-Dichlorobenzene
Concen: 9.353 ppbv
RT: 17.140 min Scan# 4521
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

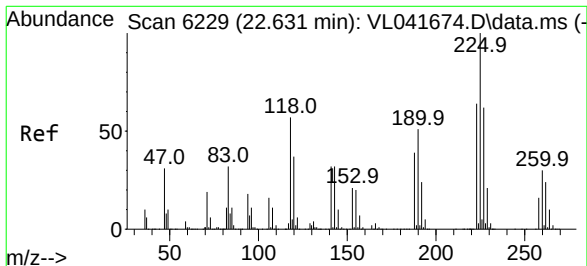
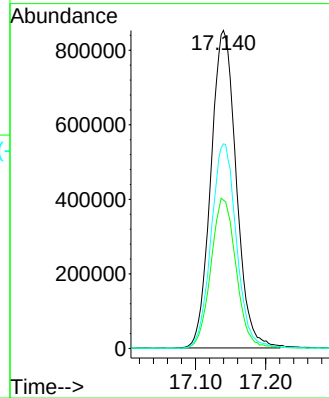
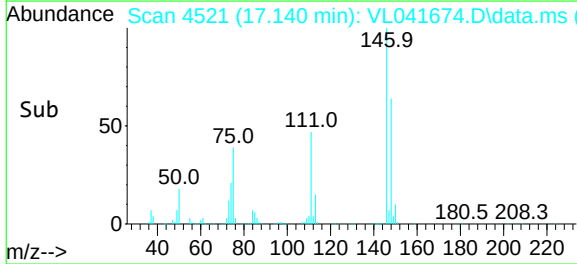
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



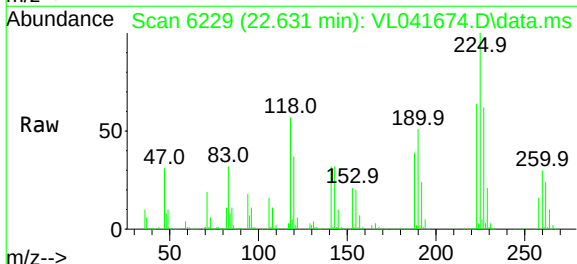
Tgt Ion:146 Resp: 2138612
Ion Ratio Lower Upper
146 100
111 46.9 23.4 70.3
148 64.3 32.1 96.5

Manual Integrations
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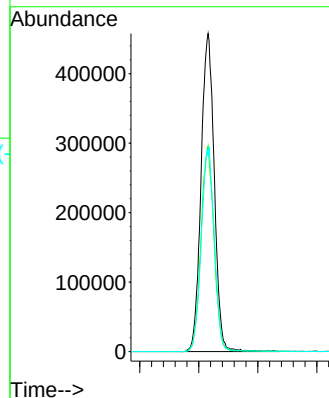
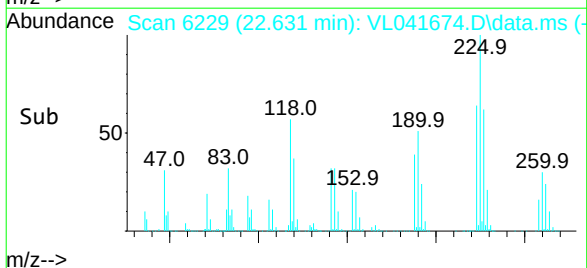
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024

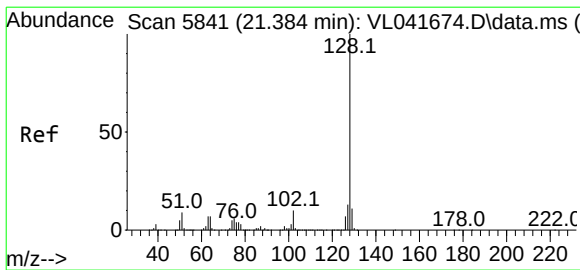


#78
Hexachloro-1,3-Butadiene
Concen: 7.865 ppbv m
RT: 22.631 min Scan# 6229
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15



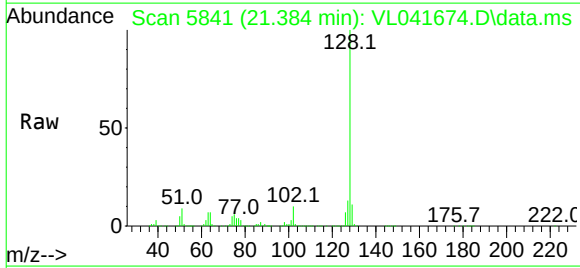
Tgt Ion:225 Resp: 1422723
Ion Ratio Lower Upper
225 100
223 63.3 51.1 76.7
227 63.5 51.3 76.9





#79
Naphthalene
Concen: 12.072 ppbv
RT: 21.384 min Scan# 5841
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

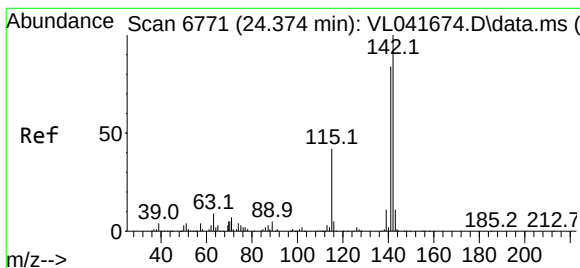
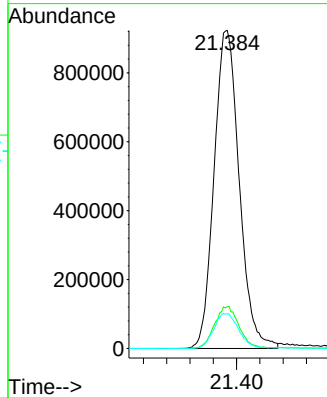
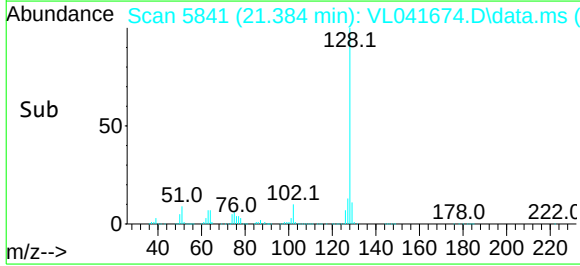
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



Tgt Ion:128 Resp: 2767333
Ion Ratio Lower Upper
128 100
127 13.1 10.5 15.7
129 10.9 8.7 13.1

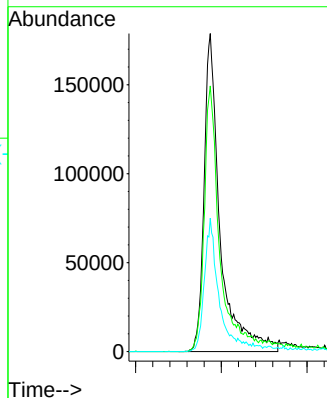
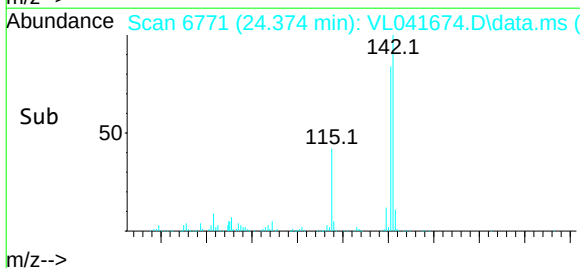
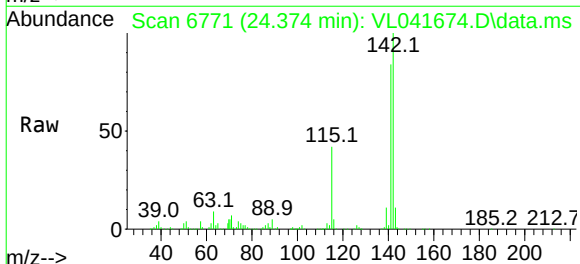
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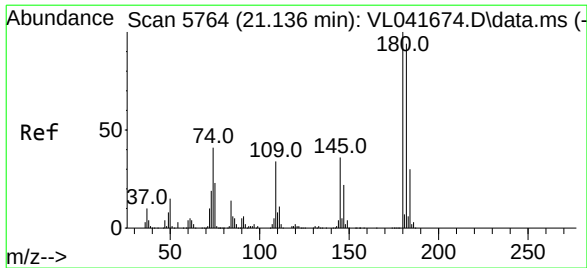
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#80
Naphthalene,2-methyl-
Concen: 10.957 ppbv
RT: 24.374 min Scan# 6771
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

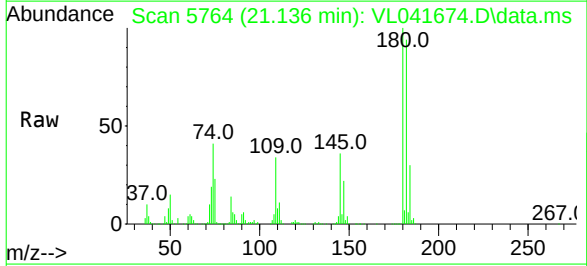
Tgt Ion:142 Resp: 466005
Ion Ratio Lower Upper
142 100
141 85.1 68.1 102.1
115 41.4 33.1 49.7





#81
1,2,4-Trichlorobenzene
Concen: 9.925 ppbv
RT: 21.136 min Scan# 5764
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

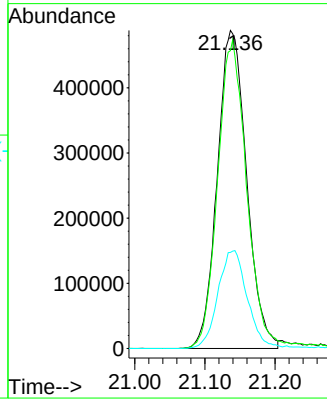
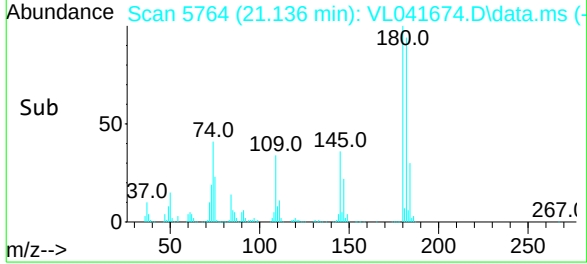


Tgt Ion:180 Resp: 1415249

Ion	Ratio	Lower	Upper
180	100		
182	97.7	78.2	117.2
184	31.2	25.0	37.4

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
 Data File : VL041675.D
 Acq On : 7 Nov 2024 10:55
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024
 Supervised By :Semsettin Yesilyurt 11/09/2024

Quant Time: Nov 08 00:09:49 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Nov 08 00:07:44 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.185	49	1208732	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	3351063	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	3155486	10.000	ppbv	# 0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.773 95 2278471 9.764 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 97.600%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.726	85	514444	2.355 ppbv	97
3) Chlorodifluoromethane	2.671	51	328832	2.088 ppbv	99
4) Chloromethane	2.806	50	174215	2.088 ppbv	98
5) Vinyl Chloride	2.915	62	164345	2.174 ppbv	95
6) Bromomethane	3.115	94	83930	2.108 ppbv	95
7) Chloroethane	3.192	64	56344	2.057 ppbv	95
8) Dichlorotetrafluoroethane	2.851	85	407437	2.089 ppbv	100
9) Propene	2.690	41	145858	2.125 ppbv	96
10) Heptane	7.574	43	329781	2.145 ppbv	100
11) Trichlorofluoromethane	3.558	101	404483	2.126 ppbv	96
12) 1,1,2-Trichlorotrifluo...	4.060	101	293463	2.122 ppbv	100
13) Ethanol	3.253	45	11047m	2.588 ppbv	
14) Bromoethene	3.362	108	115140	2.071 ppbv	97
15) Acetone	3.468	43	325763	2.190 ppbv	98
16) 1,3-Butadiene	2.980	39	166496	2.232 ppbv	100
17) tert-Butyl alcohol	3.880	59	250452	1.919 ppbv	100
18) 1,1-Dichloroethene	3.877	96	125850	2.075 ppbv	97
19) Isopropyl Alcohol	3.581	45	145112	2.015 ppbv	# 98
20) Methylene Chloride	3.928	84	107956	1.972 ppbv	95
21) Allyl Chloride	3.992	41	188103	2.046 ppbv	93
22) trans-1,2-Dichloroethene	4.439	96	127951	2.114 ppbv	97
23) Vinyl Acetate	4.623	43	146592	2.095 ppbv	99
24) 1,1-Dichloroethane	4.555	63	311096	2.311 ppbv	99
25) Ethyl Acetate	5.201	43	648134	2.105 ppbv	99
26) Hexane	5.205	57	247802	2.095 ppbv	93
27) Carbon Disulfide	4.121	76	275871	2.076 ppbv	# 92
28) Methyl tert-Butyl Ether	4.587	73	178647	2.345 ppbv	100
29) Chloroform	5.269	83	397794	2.037 ppbv	98
30) Cyclohexane	6.594	84	205987	2.167 ppbv	95
31) cis-1,2-Dichloroethene	5.073	61	231792	2.037 ppbv	95
32) 1,1,1-Trichloroethane	5.996	97	391289	2.186 ppbv	99
34) 2-Butanone	4.783	43	351257	2.105 ppbv	97
35) Carbon Tetrachloride	6.491	117	399871	2.257 ppbv	99
36) Benzene	6.368	78	538471	2.169 ppbv	96
37) 1,2-Dichloroethane	5.803	62	291330	2.080 ppbv	100
38) Trichloroethene	7.285	130	214170	2.237 ppbv	96
39) 1,2-Dichloropropane	7.069	63	206245	2.102 ppbv	97
40) 1,4-Dioxane	7.291	88	82194m	2.365 ppbv	
41) Tetrahydrofuran	5.561	42	206889	2.173 ppbv	99
42) Bromodichloromethane	7.243	83	411846	2.116 ppbv	100
43) Methyl Methacrylate	7.471	69	186557	2.140 ppbv	95
44) 2,2,4-Trimethylpentane	7.323	57	932386	2.217 ppbv	99
45) t-1,3-Dichloropropene	8.709	75	150360	1.929 ppbv	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
 Data File : VL041675.D
 Acq On : 7 Nov 2024 10:55
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024
 Supervised By :Semsettin Yesilyurt 11/09/2024

Quant Time: Nov 08 00:09:49 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Nov 08 00:07:44 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.137	75	234294	2.069	ppbv	98
47) 1,1,2-Trichloroethane	8.899	97	218012m	2.061	ppbv	
48) Dibromochloromethane	9.703	129	342372	2.121	ppbv	99
49) Bromoform	12.404	173	286412	2.080	ppbv	99
50) 4-Methyl-2-Pentanone	8.185	43	563317	2.198	ppbv	99
51) 2-Hexanone	9.558	43	402751	2.163	ppbv	97
52) Tetrachloroethene	10.616	164	191108m	2.252	ppbv	
53) Toluene	9.220	91	564332	2.161	ppbv	100
54) 1,2-Dibromoethane	10.005	107	279460	2.262	ppbv	95
56) 1,1,1,2-Tetrachloroethane	11.507	131	279872	2.130	ppbv #	1
57) Chlorobenzene	11.519	112	500524	2.128	ppbv	98
58) Ethyl Benzene	12.085	91	777614	2.225	ppbv	96
59) m/p-Xylene	12.368	91	1403331m	4.488	ppbv	
60) o-Xylene	13.053	91	674003	2.258	ppbv	98
61) Styrene	12.892	104	262837	2.133	ppbv	98
62) Isopropylbenzene	14.024	105	1030511	2.236	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.043	83	488021	2.245	ppbv	99
64) n-propylbenzene	14.915	120	271271	2.251	ppbv	94
65) tert-Butylbenzene	16.085	119	948395	2.290	ppbv	99
66) Benzyl Chloride	16.326	91	61799m	2.072	ppbv	
67) sec-Butylbenzene	16.632	105	1349679	2.312	ppbv	99
69) p-Isopropyltoluene	16.992	119	1097205	2.324	ppbv	99
70) n-Butylbenzene	17.886	91	1109618	2.293	ppbv	99
71) 2-Chlorotoluene	14.796	91	745884	2.238	ppbv	100
72) 4-Ethyltoluene	15.188	105	777952	2.244	ppbv	100
73) 1,3,5-Trimethylbenzene	15.346	105	691387	2.274	ppbv	93
74) 1,2,4-Trimethylbenzene	16.101	105	796450	2.252	ppbv	96
75) 1,3-Dichlorobenzene	16.329	146	473241	2.167	ppbv	99
76) 1,4-Dichlorobenzene	16.471	146	448788	2.091	ppbv	97
77) 1,2-Dichlorobenzene	17.140	146	466190	2.149	ppbv	98
78) Hexachloro-1,3-Butadiene	22.628	225	367865	2.144	ppbv	99
79) Naphthalene	21.387	128	538842	2.478	ppbv	97
80) Naphthalene,2-methyl-	24.381	142	101409	2.513	ppbv	96
81) 1,2,4-Trichlorobenzene	21.143	180	287687	2.127	ppbv	99

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

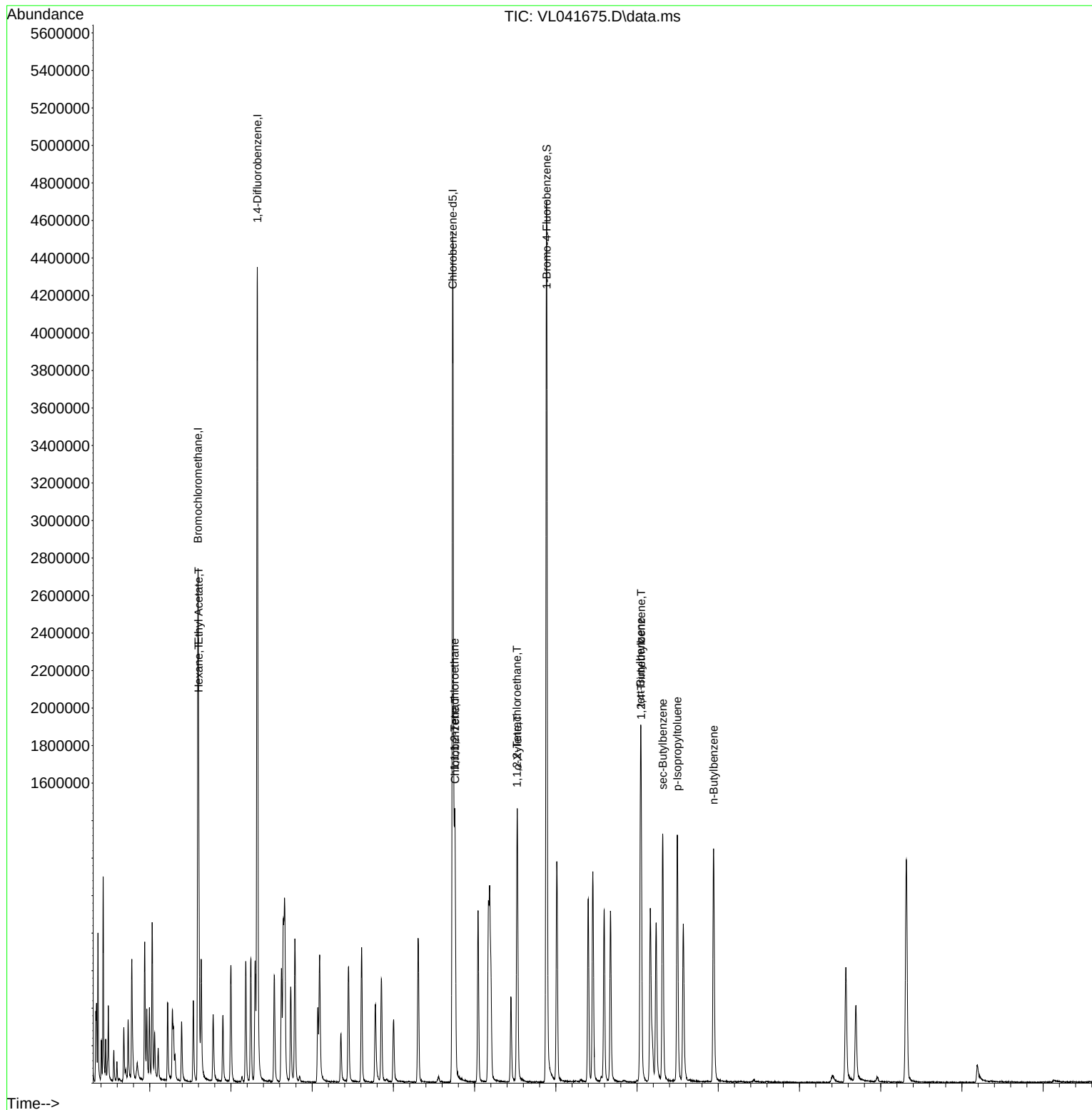
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
Data File : VL041675.D
Acq On : 7 Nov 2024 10:55
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

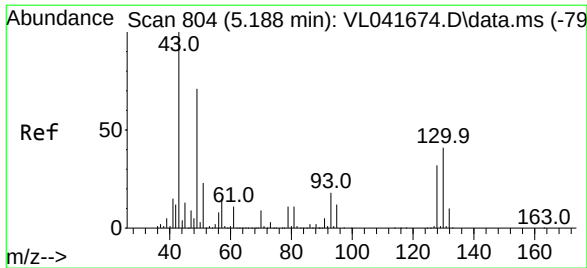
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024

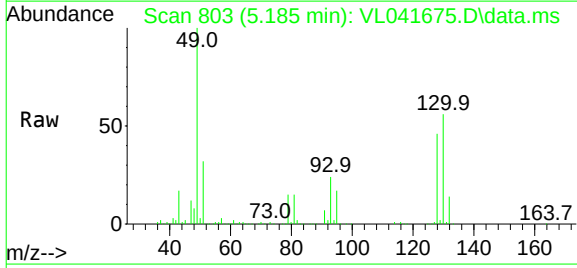
Quant Time: Nov 08 00:09:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Nov 08 00:07:44 2024
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.185 min Scan# 804
Delta R.T. -0.003 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

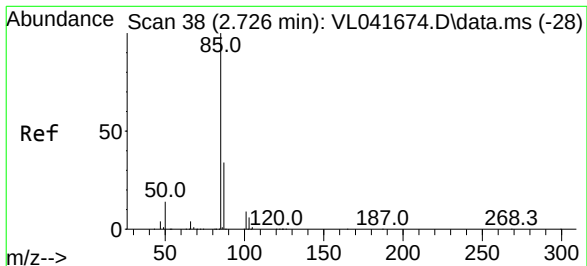
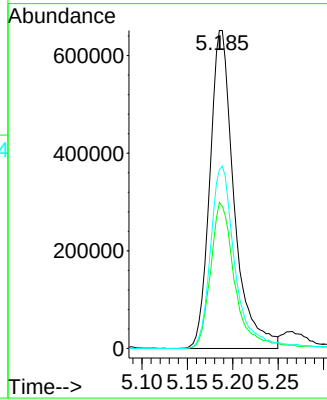
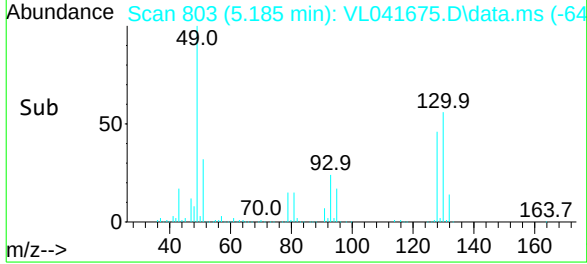
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 49 Resp: 1208732
Ion Ratio Lower Upper
49 100
128 47.2 23.8 71.2
130 59.8 30.1 90.5

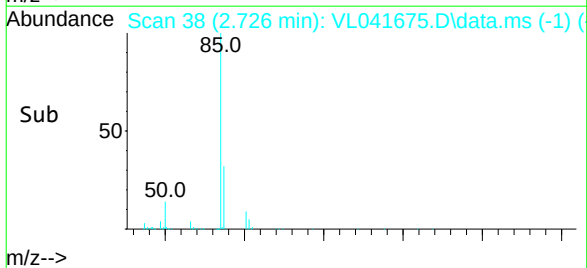
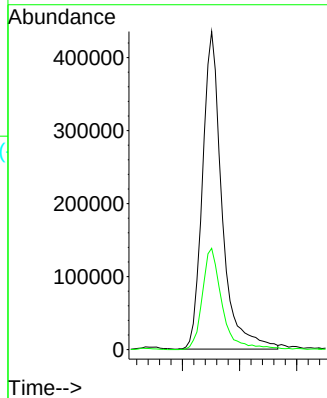
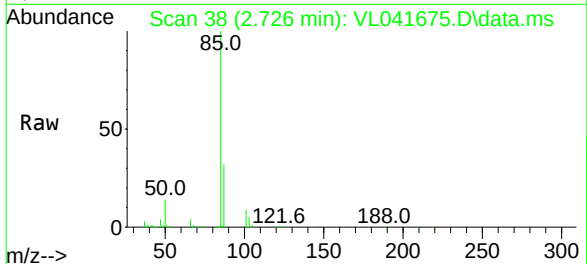
Manual Integrations
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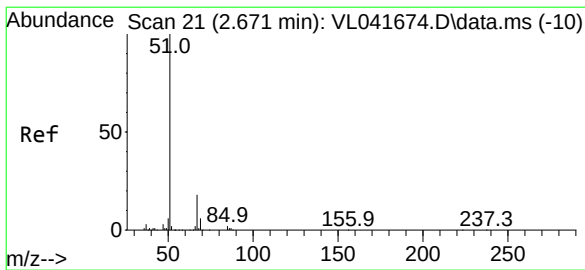
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#2
Dichlorodifluoromethane
Concen: 2.355 ppbv
RT: 2.726 min Scan# 38
Delta R.T. 0.000 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

Tgt Ion: 85 Resp: 514444
Ion Ratio Lower Upper
85 100
87 31.9 26.8 40.2





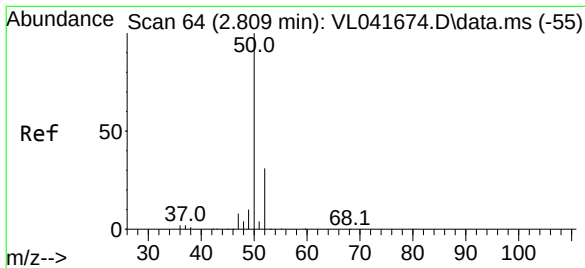
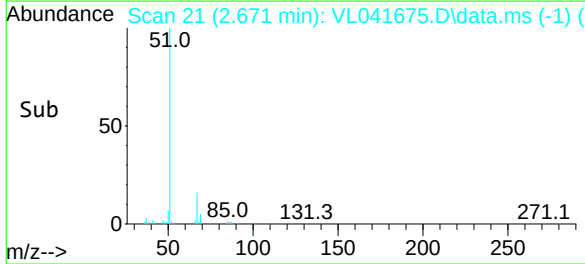
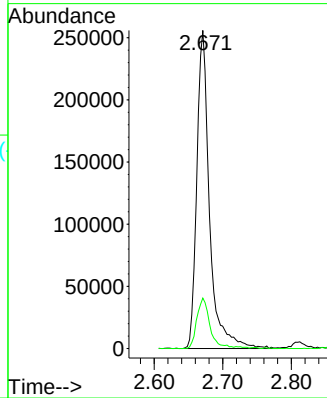
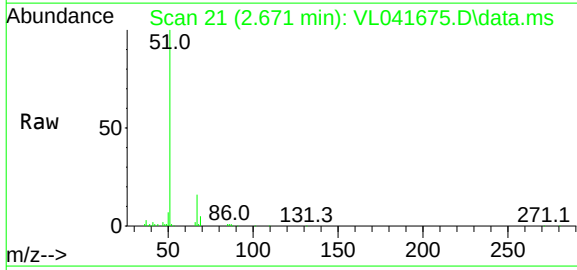
#3
Chlorodifluoromethane
Concen: 2.088 ppbv
RT: 2.671 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 51 Resp: 328832
Ion Ratio Lower Upper
51 100
67 16.9 13.9 20.9

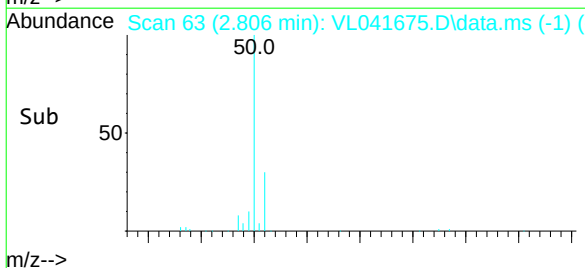
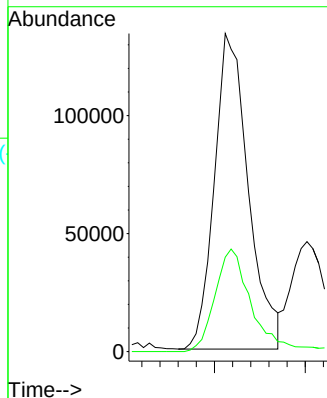
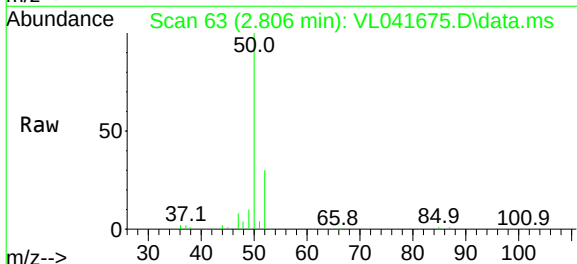
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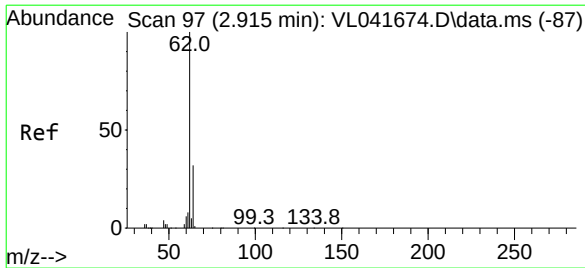
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#4
Chloromethane
Concen: 2.088 ppbv
RT: 2.806 min Scan# 63
Delta R.T. -0.003 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

Tgt Ion: 50 Resp: 174215
Ion Ratio Lower Upper
50 100
52 29.9 24.9 37.3





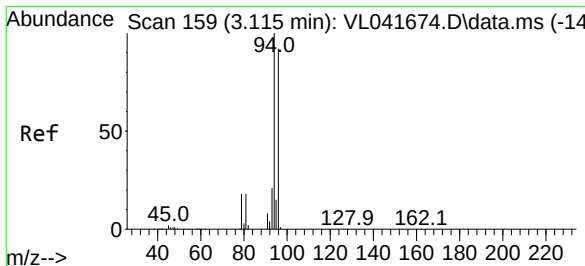
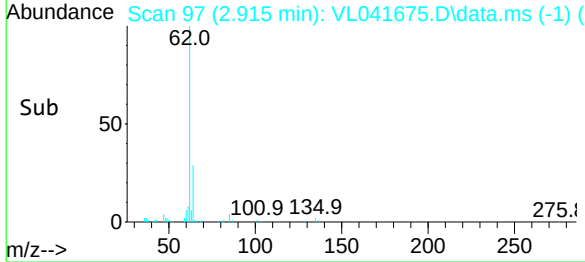
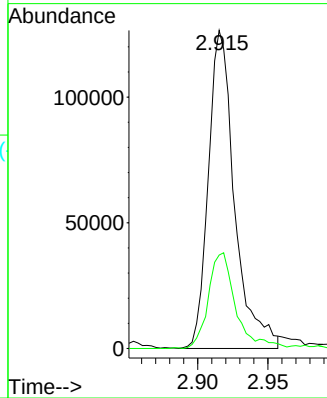
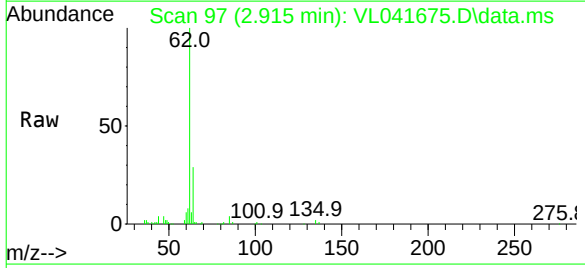
#5
 Vinyl Chloride
 Concen: 2.174 ppbv
 RT: 2.915 min Scan# 97
 Delta R.T. 0.000 min
 Lab File: VL041675.D
 Acq: 7 Nov 2024 10:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Tgt Ion: 62 Resp: 164345
 Ion Ratio Lower Upper
 62 100
 64 29.2 25.4 38.2

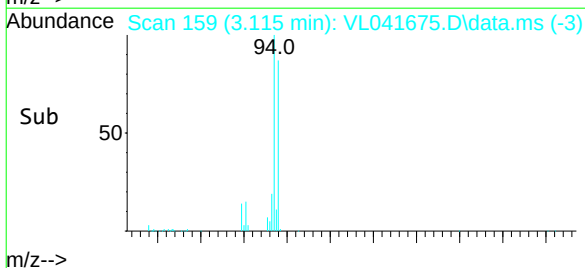
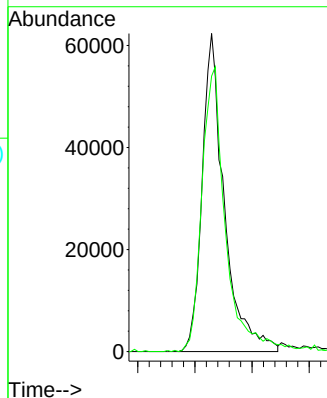
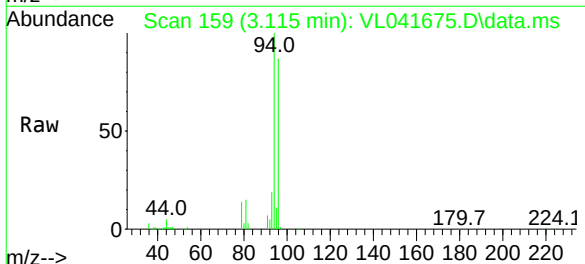
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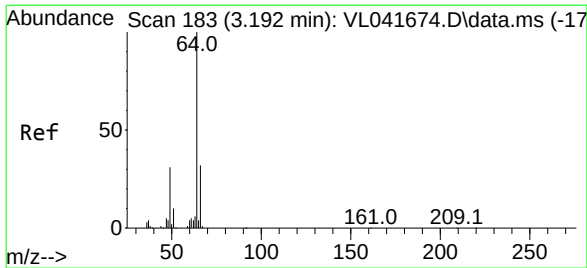
Reviewed By :Mahesh Dadoda 11/09/2024
 Supervised By :Semsettin Yesilyurt 11/09/2024



#6
 Bromomethane
 Concen: 2.108 ppbv
 RT: 3.115 min Scan# 159
 Delta R.T. 0.000 min
 Lab File: VL041675.D
 Acq: 7 Nov 2024 10:55

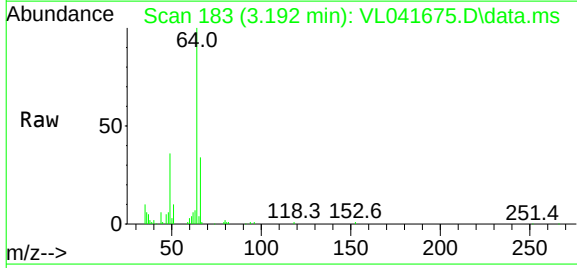
Tgt Ion: 94 Resp: 83930
 Ion Ratio Lower Upper
 94 100
 96 86.6 73.4 110.2





#7
Chloroethane
Concen: 2.057 ppbv
RT: 3.192 min Scan# 183
Delta R.T. 0.000 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

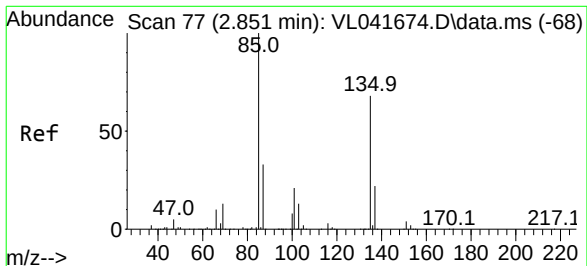
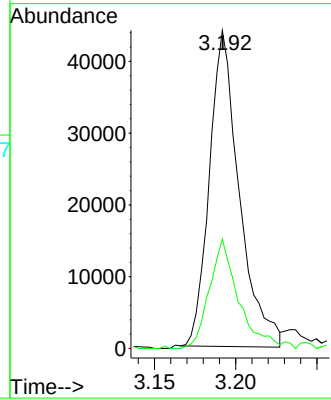
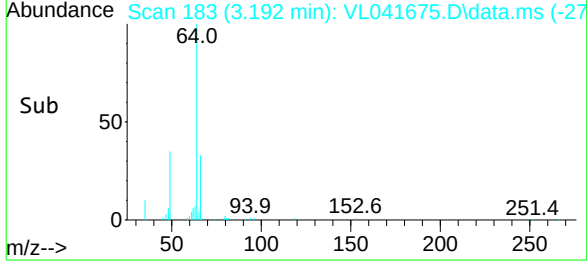
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 64 Resp: 56344
Ion Ratio Lower Upper
64 100
66 35.0 25.9 38.9

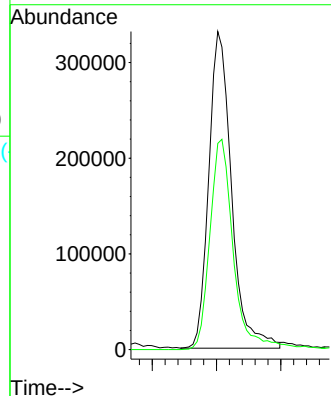
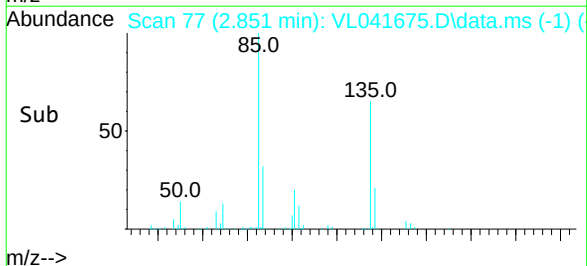
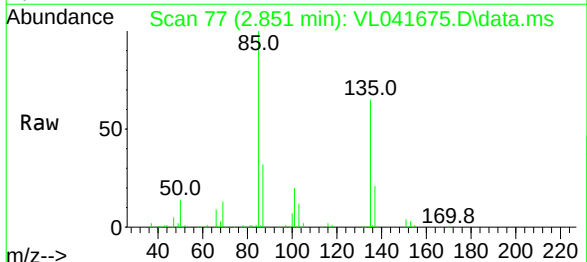
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APPROVED

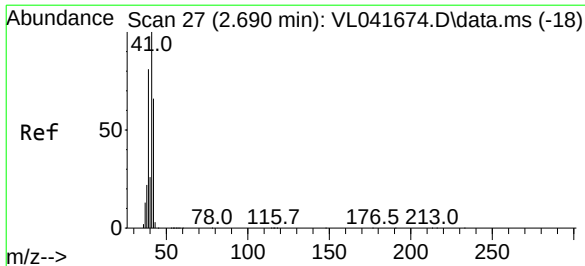
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#8
Dichlorotetrafluoroethane
Concen: 2.089 ppbv
RT: 2.851 min Scan# 77
Delta R.T. 0.000 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

Tgt Ion: 85 Resp: 407437
Ion Ratio Lower Upper
85 100
135 69.7 55.5 83.3





#9

Propene

Concen: 2.125 ppbv

RT: 2.690 min Scan# 27

Delta R.T. 0.000 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 41 Resp: 145858

Ion Ratio Lower Upper

41 100

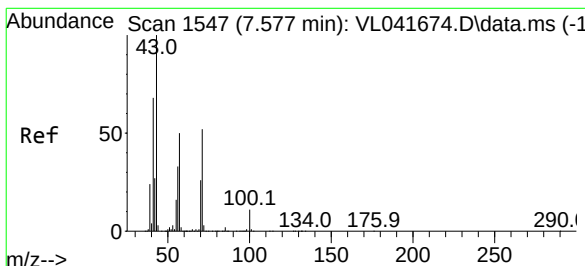
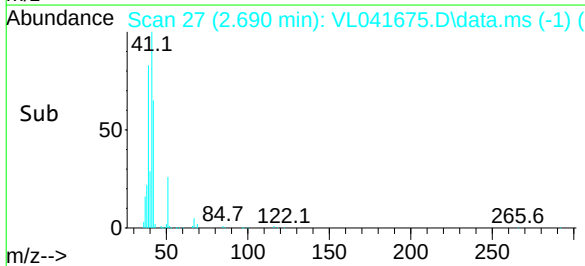
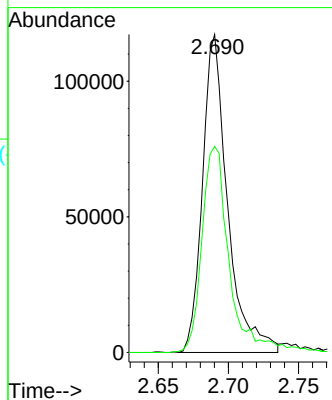
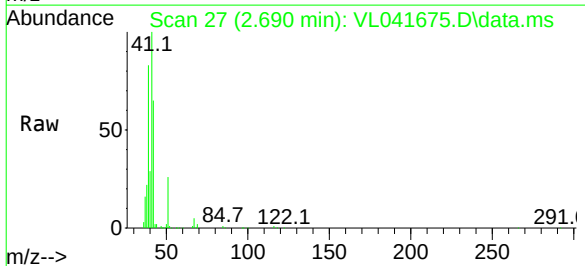
42 71.6 55.0 82.4

Manual Integrations

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Reviewed By :Mahesh Dadoda 11/09/2024

Supervised By :Semsettin Yesilyurt 11/09/2024



#10

Heptane

Concen: 2.145 ppbv

RT: 7.574 min Scan# 1546

Delta R.T. -0.003 min

Lab File: VL041675.D

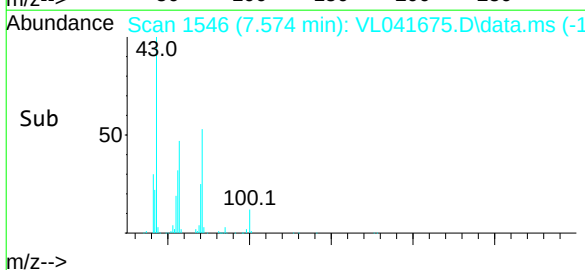
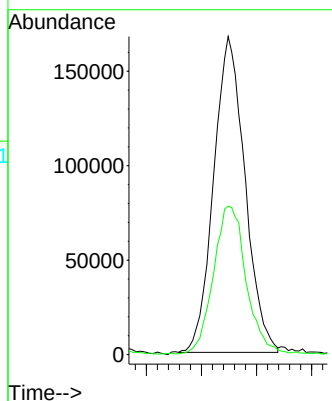
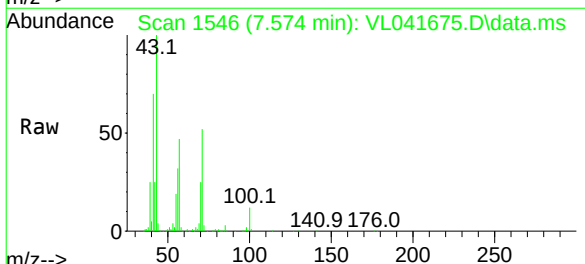
Acq: 7 Nov 2024 10:55

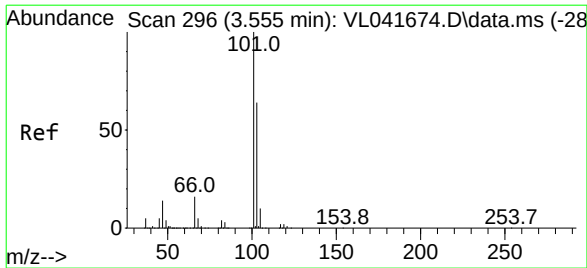
Tgt Ion: 43 Resp: 329781

Ion Ratio Lower Upper

43 100

57 50.1 40.0 60.0





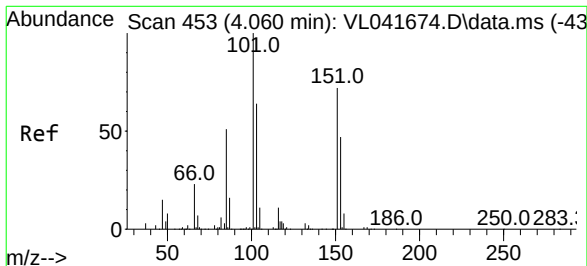
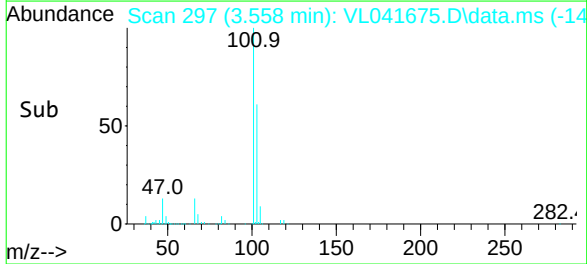
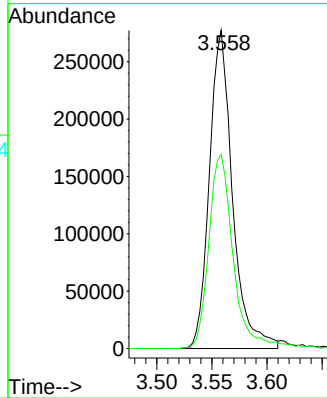
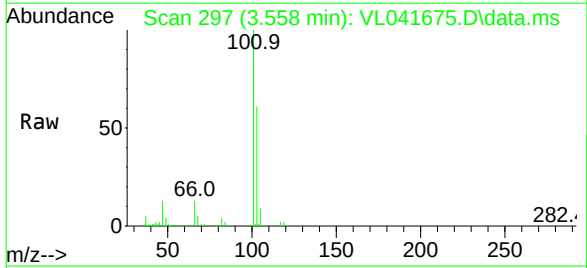
#11
Trichlorofluoromethane
Concen: 2.126 ppbv
RT: 3.558 min Scan# 296
Delta R.T. 0.003 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion:101 Resp: 404483
Ion Ratio Lower Upper
101 100
103 61.0 51.0 76.6

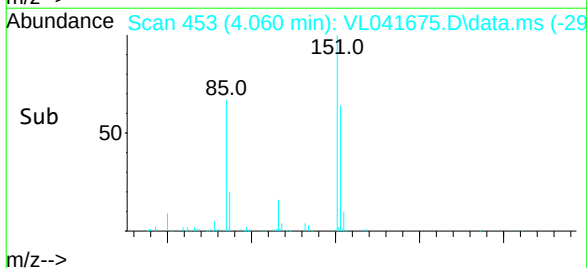
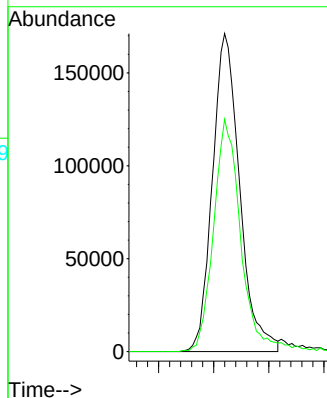
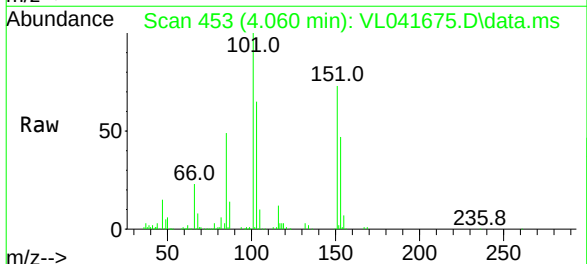
Manual Integrations
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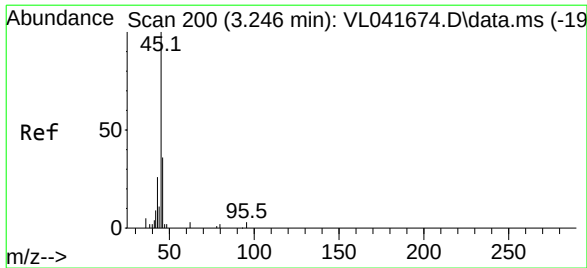
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#12
1,1,2-Trichlorotrifluoroethane
Concen: 2.122 ppbv
RT: 4.060 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

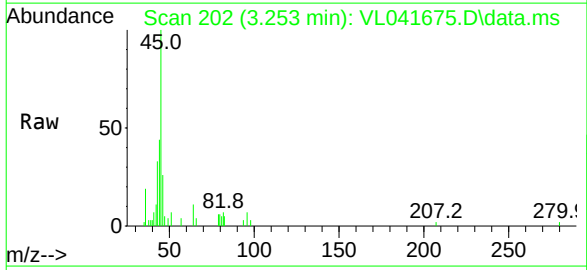
Tgt Ion:101 Resp: 293463
Ion Ratio Lower Upper
101 100
151 74.0 59.1 88.7





#13
Ethanol
Concen: 2.588 ppbv m
RT: 3.253 min Scan# 20
Delta R.T. 0.006 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

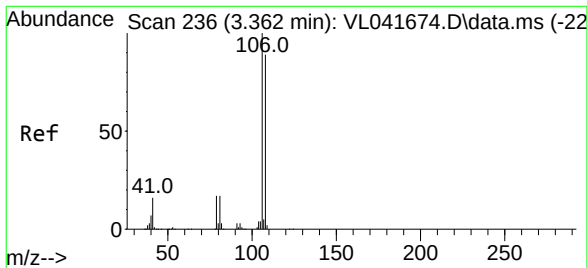
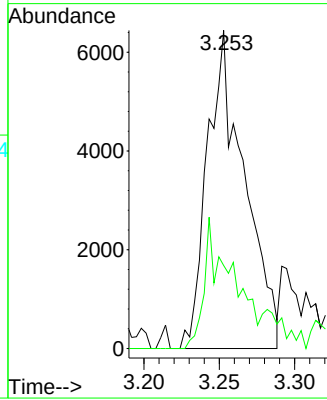
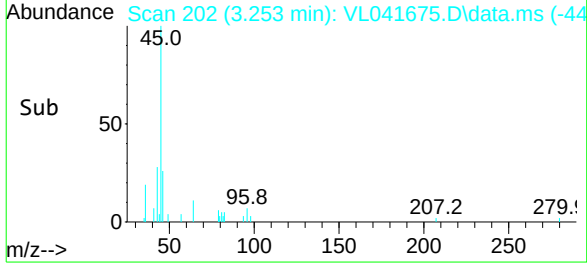
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



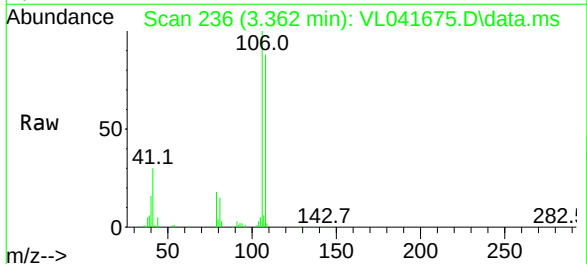
Tgt Ion: 45 Resp: 11047
Ion Ratio Lower Upper
45 100
46 38.5 13.8 55.2

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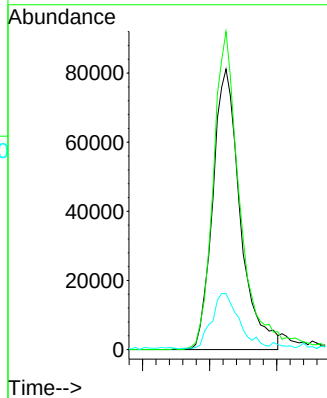
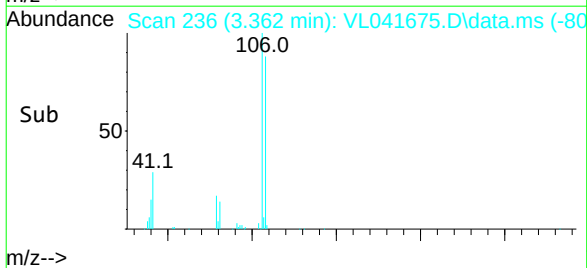
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024

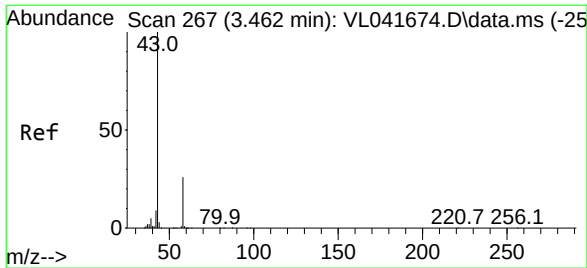


#14
Bromoethene
Concen: 2.071 ppbv
RT: 3.362 min Scan# 236
Delta R.T. 0.000 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55



Tgt Ion:108 Resp: 115140
Ion Ratio Lower Upper
108 100
106 114.3 88.6 133.0
79 21.5 15.6 23.4





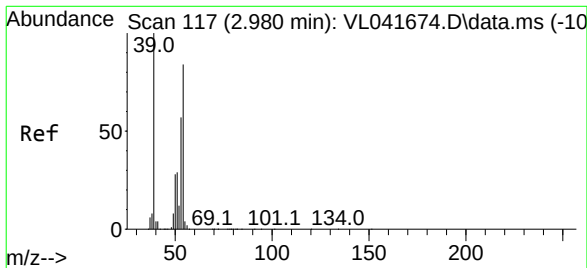
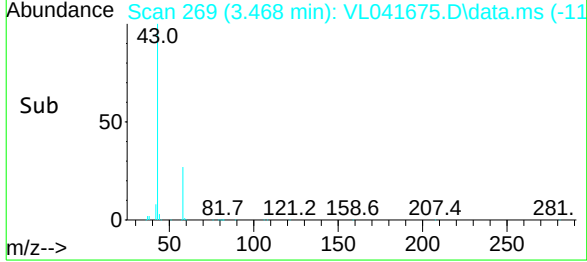
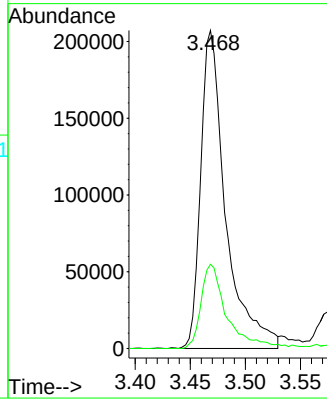
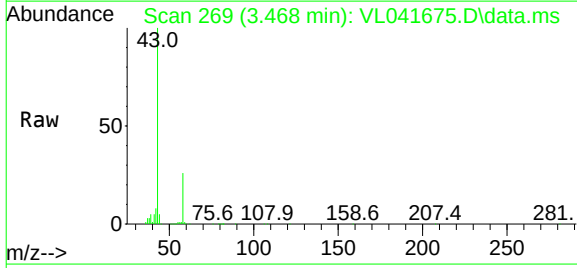
#15
Acetone
Concen: 2.190 ppbv
RT: 3.468 min Scan# 267
Delta R.T. 0.006 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 325763
Ion Ratio Lower Upper
43 100
58 27.9 21.4 32.0

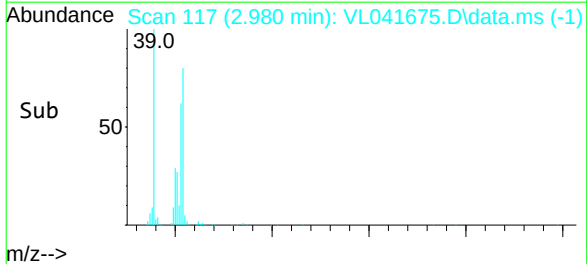
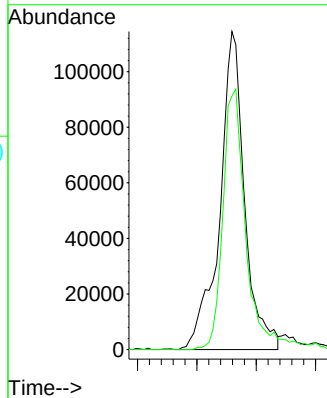
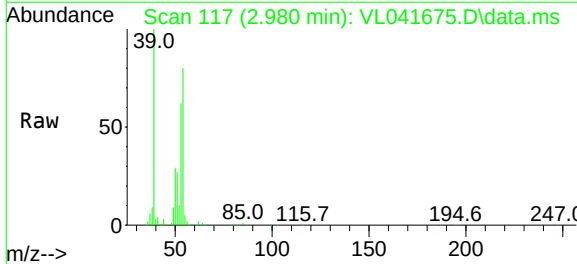
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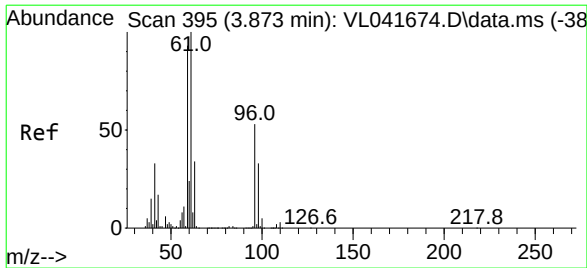
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#16
1,3-Butadiene
Concen: 2.232 ppbv
RT: 2.980 min Scan# 117
Delta R.T. 0.000 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

Tgt Ion: 39 Resp: 166496
Ion Ratio Lower Upper
39 100
54 76.8 61.3 91.9





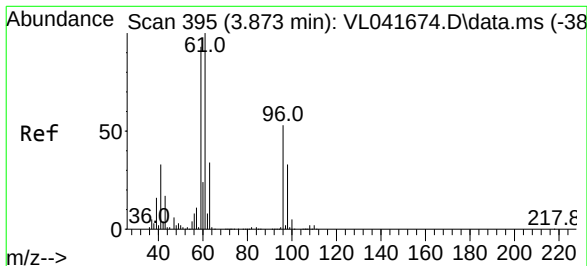
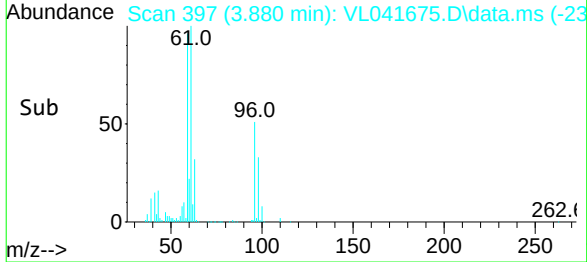
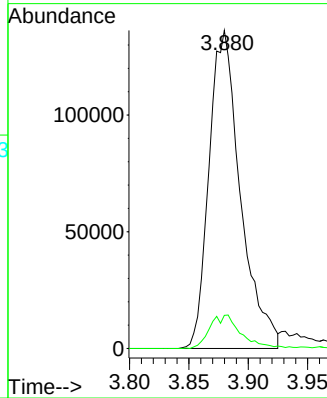
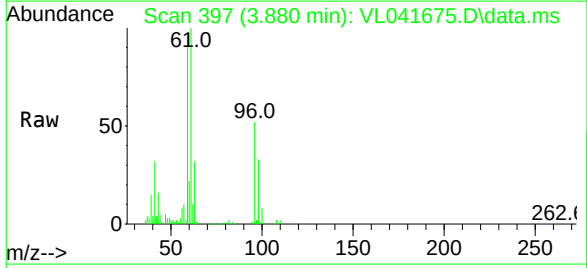
#17
tert-Butyl alcohol
Concen: 1.919 ppbv
RT: 3.880 min Scan# 395
Delta R.T. 0.006 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 59 Resp: 250452
Ion Ratio Lower Upper
59 100
57 10.6 8.5 12.7

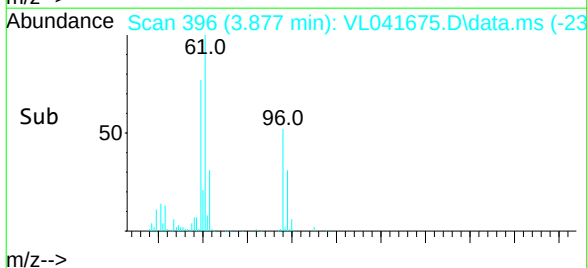
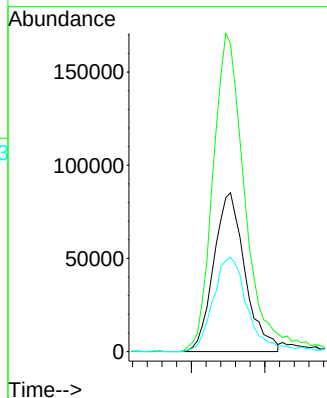
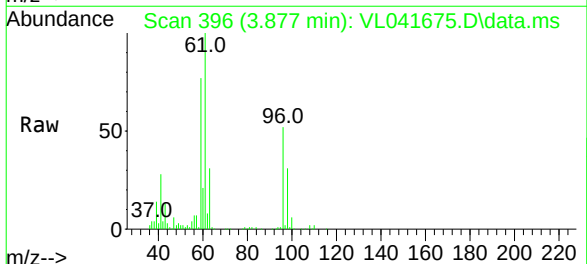
Manual Integrations
APPROVED

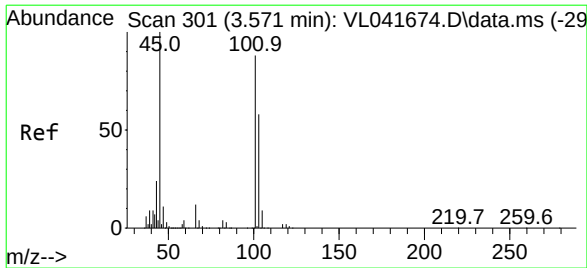
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#18
1,1-Dichloroethene
Concen: 2.075 ppbv
RT: 3.877 min Scan# 396
Delta R.T. 0.003 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

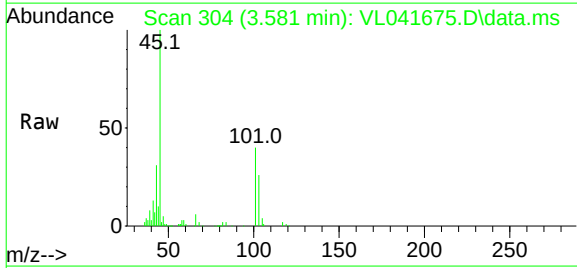
Tgt Ion: 96 Resp: 125850
Ion Ratio Lower Upper
96 100
61 193.5 150.7 226.1
98 59.4 49.4 74.2





#19
Isopropyl Alcohol
Concen: 2.015 ppbv
RT: 3.581 min Scan# 301
Delta R.T. 0.010 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

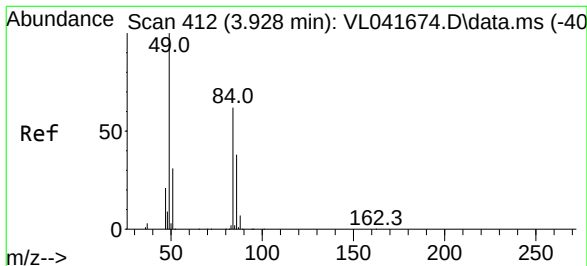
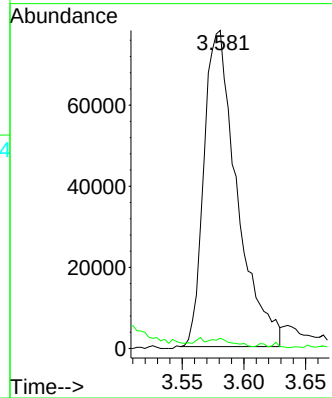
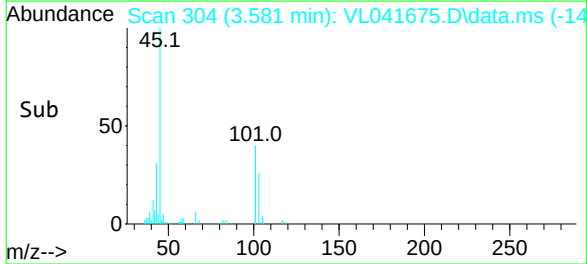
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



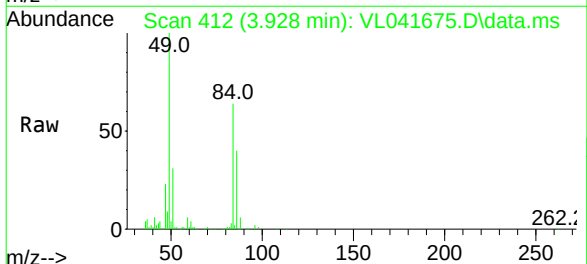
Tgt Ion: 45 Resp: 145112
Ion Ratio Lower Upper
45 100
58 3.8 2.5 3.7#

Manual Integrations
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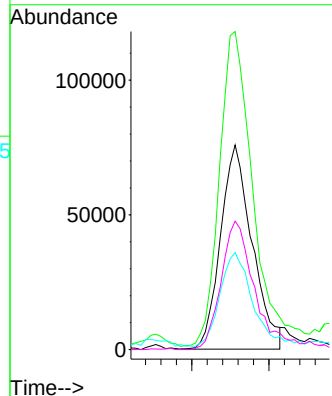
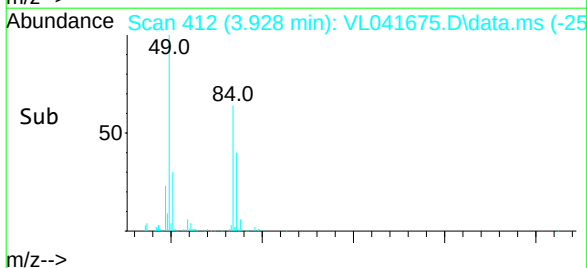
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024

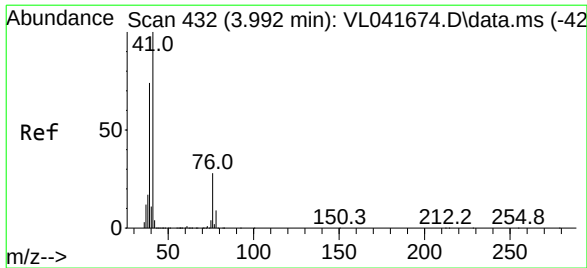


#20
Methylene Chloride
Concen: 1.972 ppbv
RT: 3.928 min Scan# 412
Delta R.T. 0.000 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55



Tgt Ion: 84 Resp: 107956
Ion Ratio Lower Upper
84 100
49 154.2 129.7 194.5
51 45.1 39.8 59.6
86 62.9 49.1 73.7





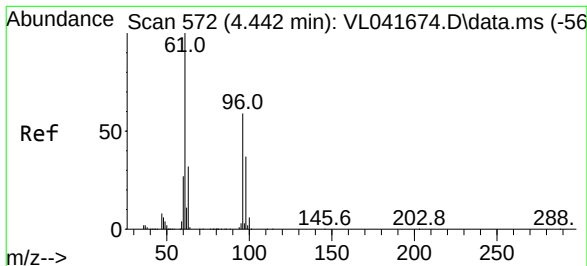
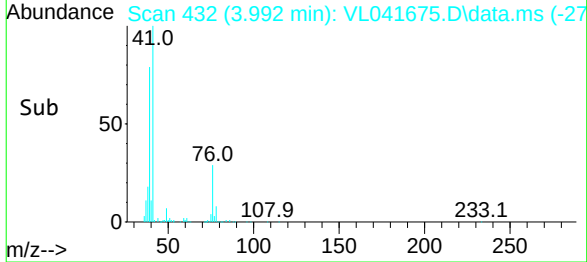
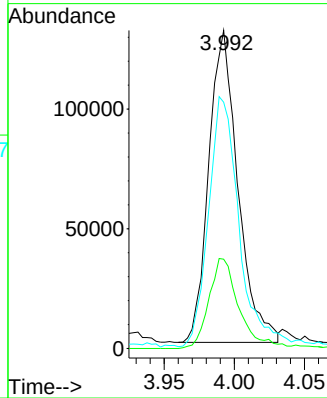
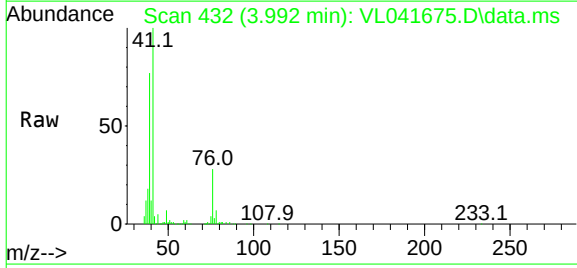
#21
Allyl Chloride
Concen: 2.046 ppbv
RT: 3.992 min Scan# 432
Delta R.T. 0.000 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 41 Resp: 188103
Ion Ratio Lower Upper
41 100
76 30.7 23.5 35.3
39 86.5 63.0 94.4

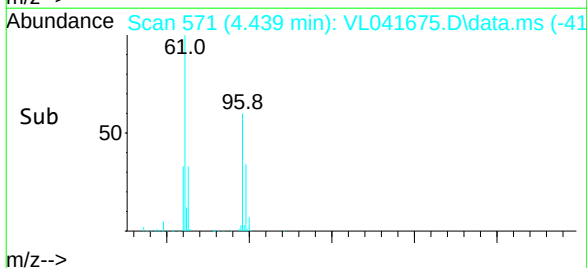
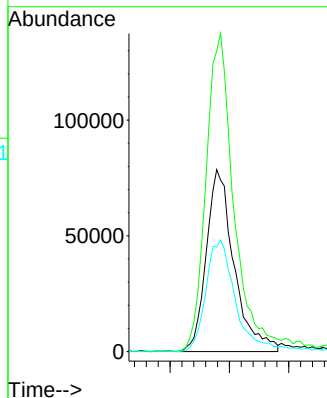
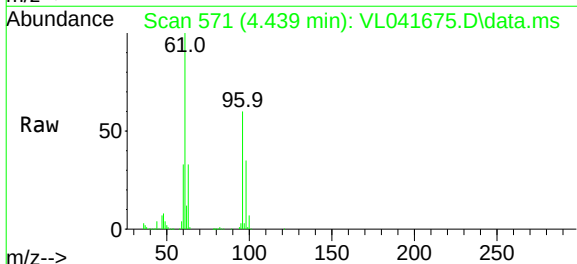
Manual Integrations
APPROVED

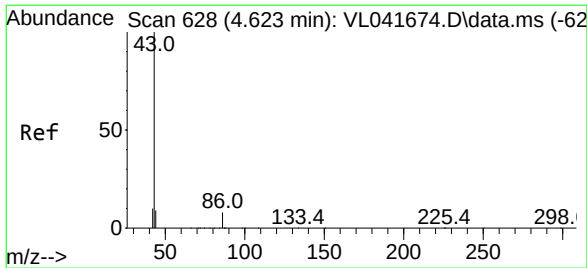
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#22
trans-1,2-Dichloroethene
Concen: 2.114 ppbv
RT: 4.439 min Scan# 571
Delta R.T. -0.003 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

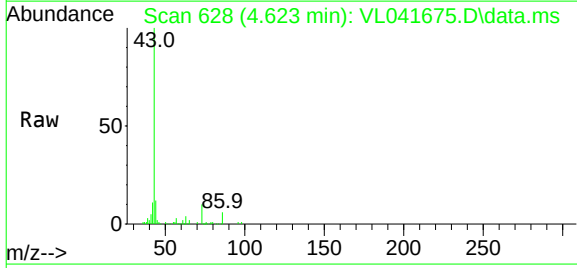
Tgt Ion: 96 Resp: 127951
Ion Ratio Lower Upper
96 100
61 164.9 134.5 201.7
98 57.4 49.6 74.4





#23
Vinyl Acetate
Concen: 2.095 ppbv
RT: 4.623 min Scan# 62
Delta R.T. 0.000 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

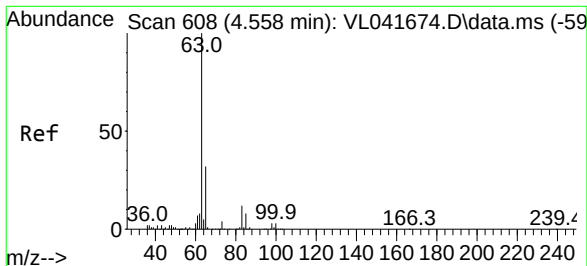
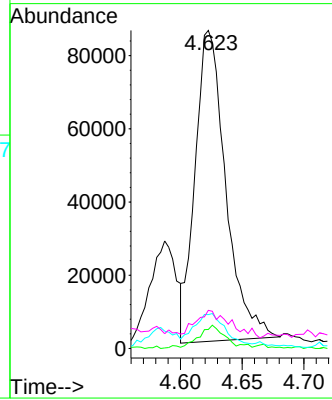
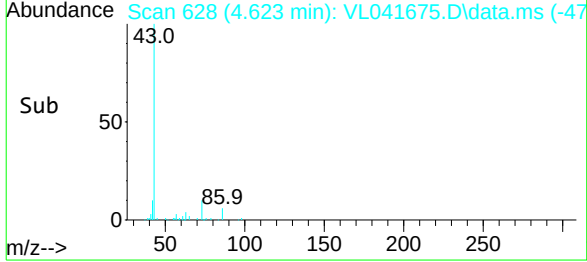
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



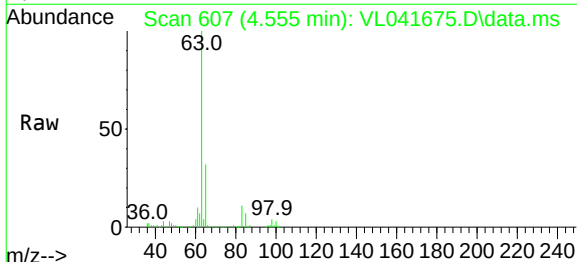
Tgt Ion: 43 Resp: 146592
Ion Ratio Lower Upper
43 100
86 5.8 5.3 7.9
42 10.1 8.5 12.7
44 8.2 6.7 10.1

Manual Integrations
APPROVED

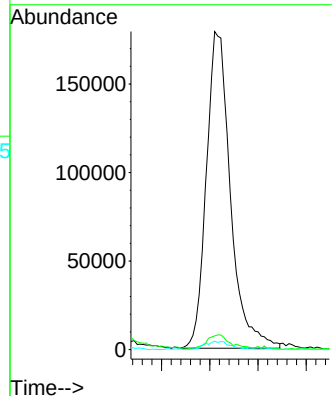
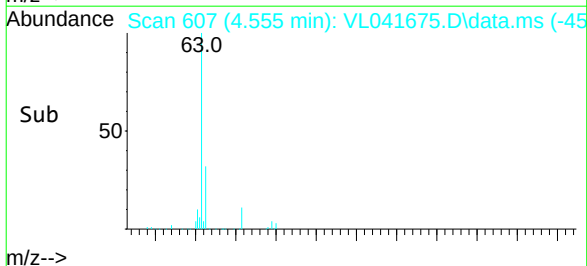
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024

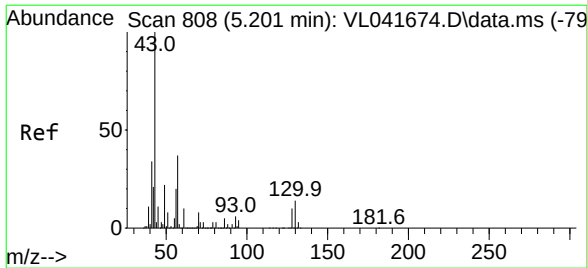


#24
1,1-Dichloroethane
Concen: 2.311 ppbv
RT: 4.555 min Scan# 607
Delta R.T. -0.003 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55



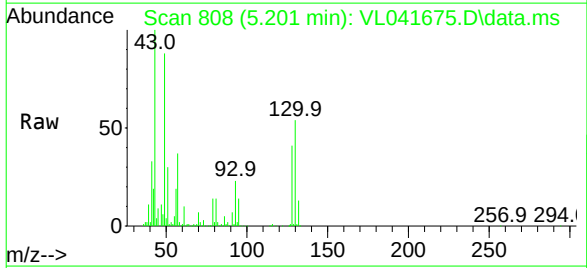
Tgt Ion: 63 Resp: 311096
Ion Ratio Lower Upper
63 100
98 4.0 1.8 5.4
100 2.7 1.4 4.2





#25
Ethyl Acetate
Concen: 2.105 ppbv
RT: 5.201 min Scan# 808
Delta R.T. 0.000 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

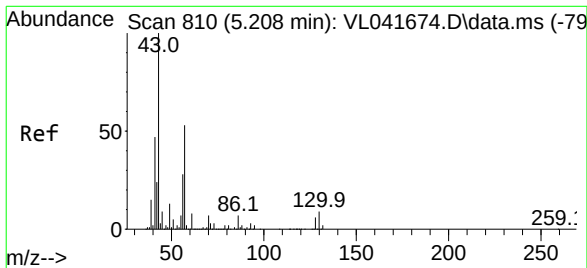
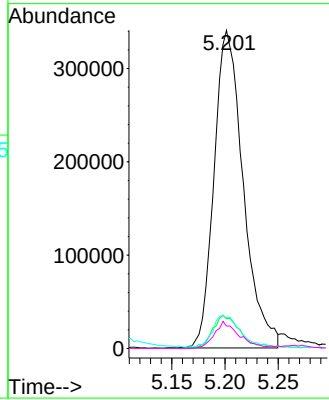
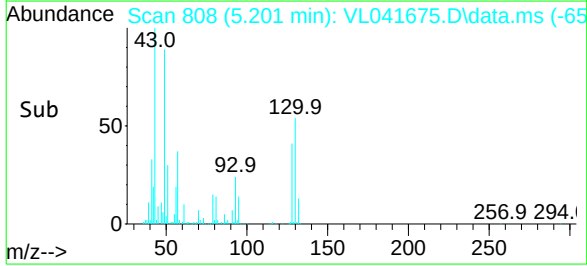
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



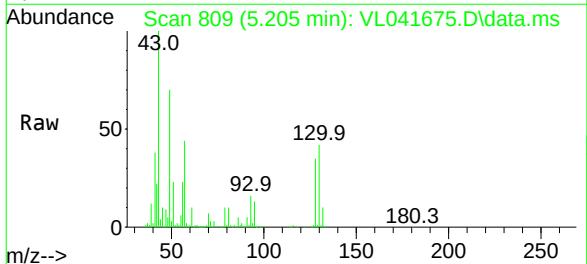
Tgt Ion:	43	Ratio	100	Lower	Upper
43	100				
45	10.4		8.6	13.0	
61	10.4		8.4	12.6	
70	7.4		5.8	8.6	

Manual Integrations
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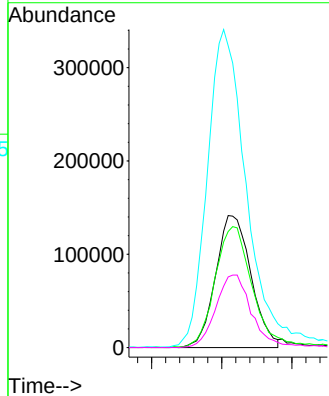
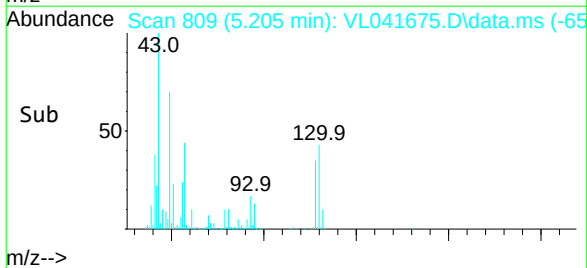
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024

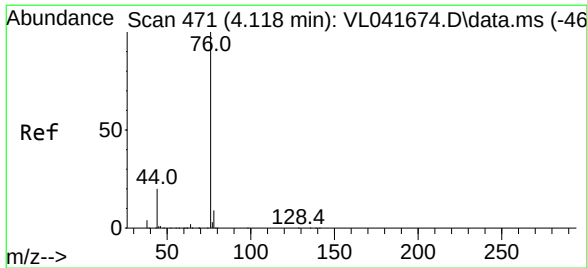


#26
Hexane
Concen: 2.095 ppbv
RT: 5.205 min Scan# 809
Delta R.T. -0.003 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55



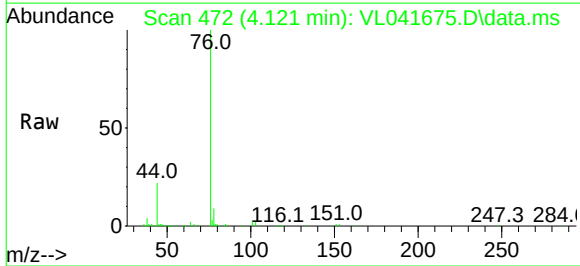
Tgt Ion:	57	Ratio	100	Lower	Upper
57	100				
41	99.7		76.1	114.1	
43	275.1		207.0	310.6	
56	56.6		43.7	65.5	





#27
Carbon Disulfide
Concen: 2.076 ppbv
RT: 4.121 min Scan# 471
Delta R.T. 0.003 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

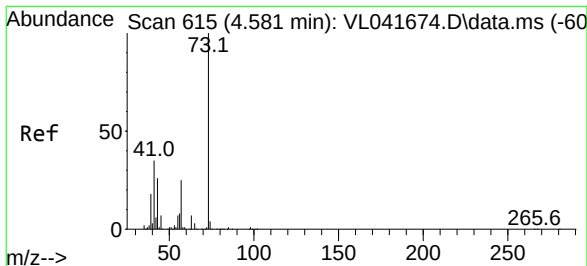
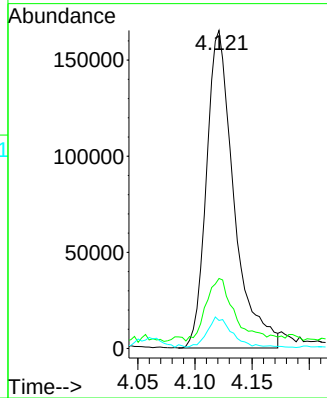
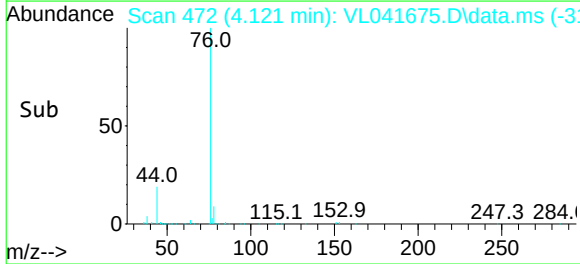
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 76 Resp: 275871
Ion Ratio Lower Upper
76 100
44 25.2 15.8 23.8#
78 9.9 7.5 11.3

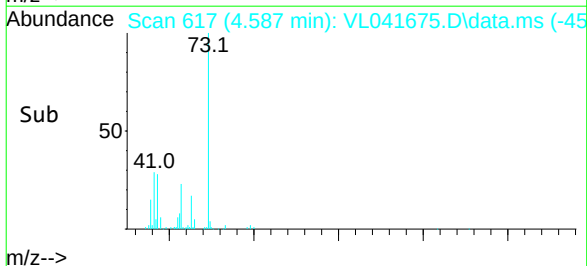
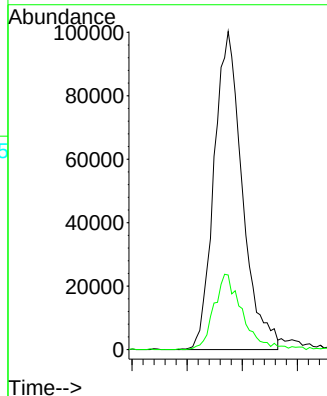
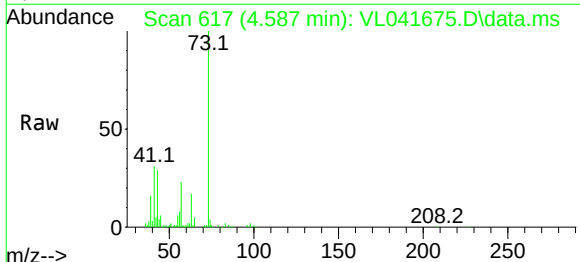
Manual Integrations
APPROVED

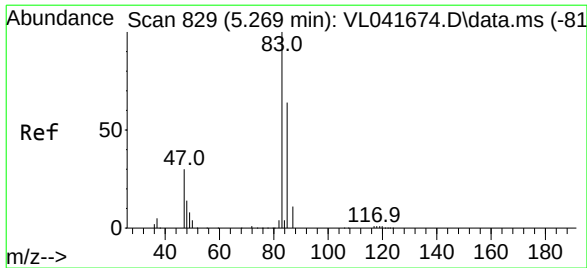
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#28
Methyl tert-Butyl Ether
Concen: 2.345 ppbv
RT: 4.587 min Scan# 617
Delta R.T. 0.006 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

Tgt Ion: 73 Resp: 178647
Ion Ratio Lower Upper
73 100
57 24.3 19.6 29.4





#29

Chloroform

Concen: 2.037 ppbv

RT: 5.269 min Scan# 82

Delta R.T. 0.000 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 83 Resp: 397794

Ion Ratio Lower Upper

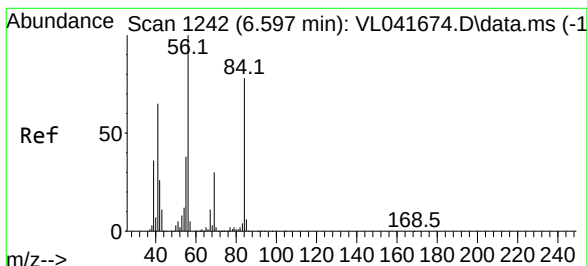
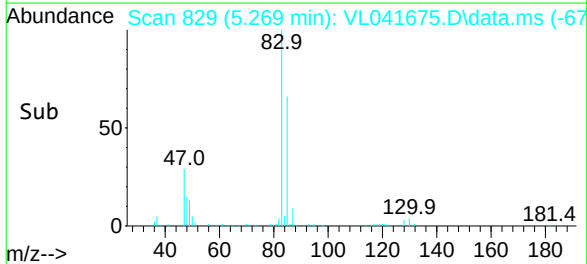
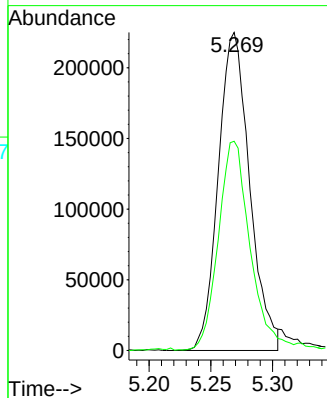
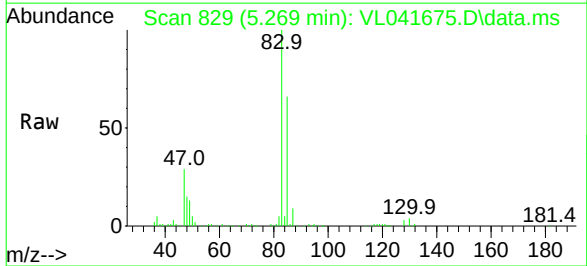
83 100

85 65.5 51.1 76.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#30

Cyclohexane

Concen: 2.167 ppbv

RT: 6.594 min Scan# 1241

Delta R.T. -0.003 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

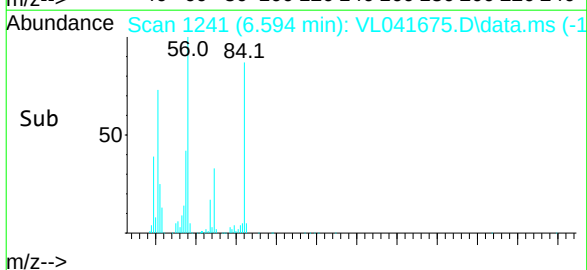
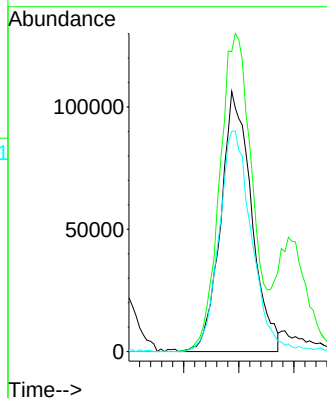
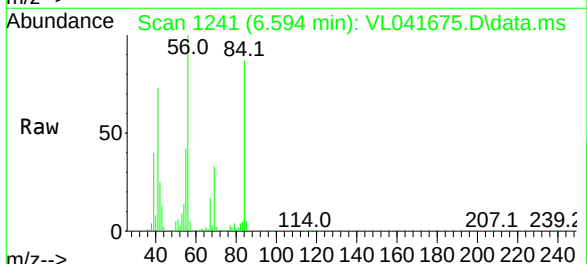
Tgt Ion: 84 Resp: 205987

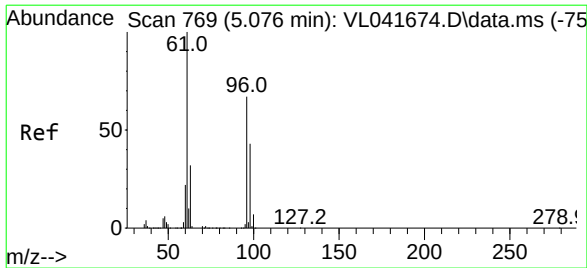
Ion Ratio Lower Upper

84 100

56 132.2 110.8 166.2

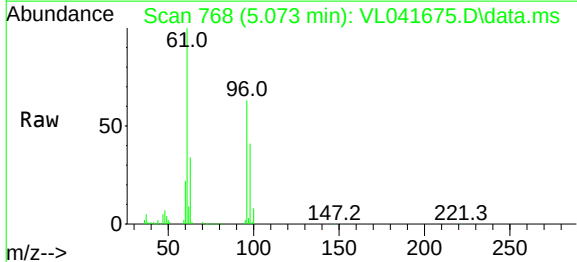
41 90.9 70.0 105.0





#31
 cis-1,2-Dichloroethene
 Concen: 2.037 ppbv
 RT: 5.073 min Scan# 769
 Delta R.T. -0.003 min
 Lab File: VL041675.D
 Acq: 7 Nov 2024 10:55

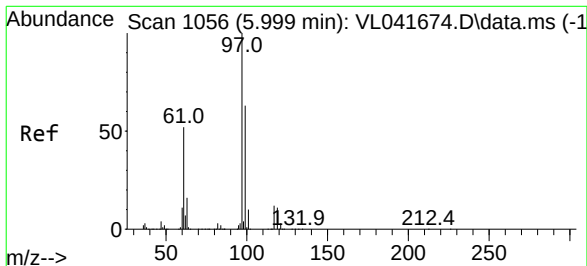
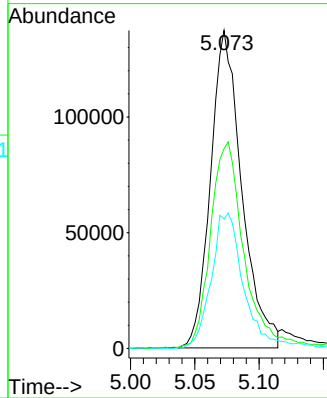
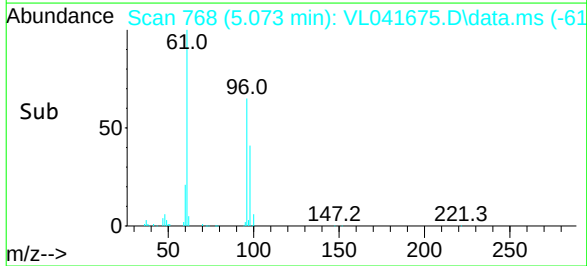
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



Tgt Ion: 61 Resp: 231792
 Ion Ratio Lower Upper
 61 100
 96 62.4 53.4 80.2
 98 40.6 34.0 51.0

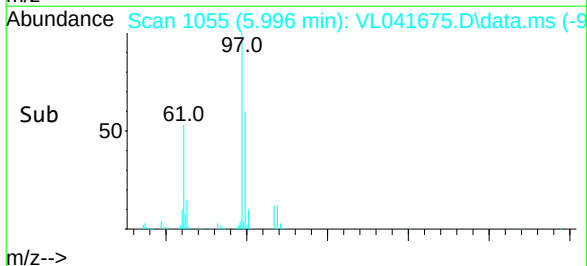
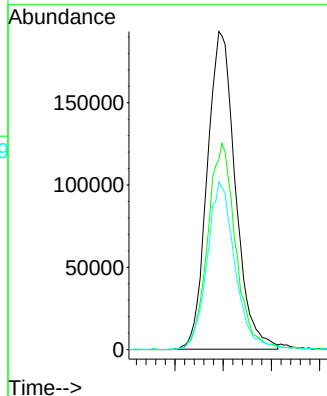
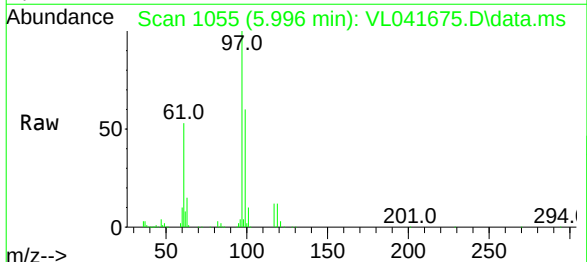
Manual Integrations
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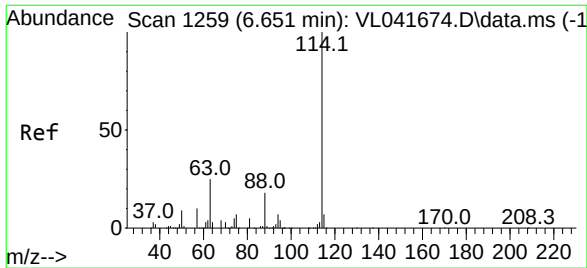
Reviewed By :Mahesh Dadoda 11/09/2024
 Supervised By :Semsettin Yesilyurt 11/09/2024



#32
 1,1,1-Trichloroethane
 Concen: 2.186 ppbv
 RT: 5.996 min Scan# 1055
 Delta R.T. -0.003 min
 Lab File: VL041675.D
 Acq: 7 Nov 2024 10:55

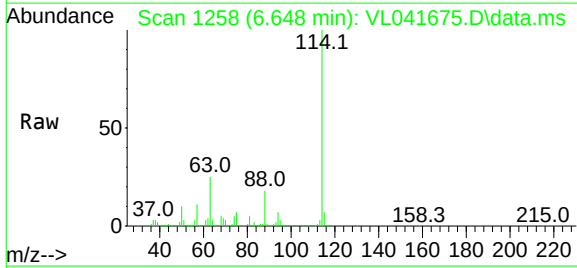
Tgt Ion: 97 Resp: 391289
 Ion Ratio Lower Upper
 97 100
 99 64.8 51.4 77.2
 61 53.0 41.7 62.5





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.648 min Scan# 12
Delta R.T. -0.003 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

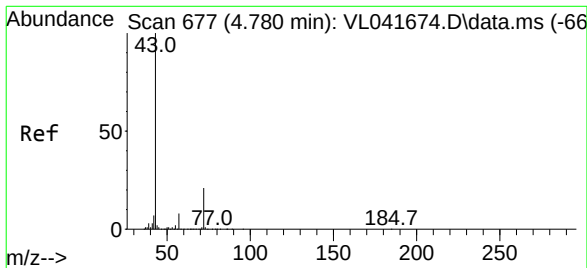
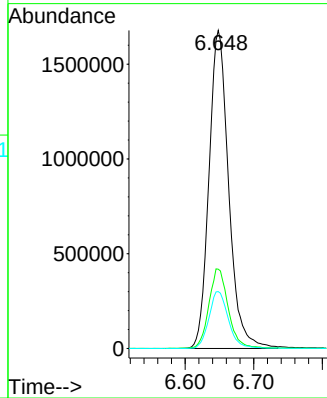
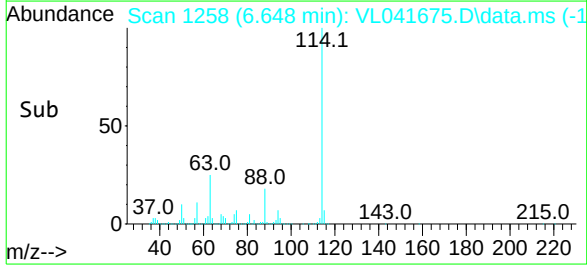
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion:114 Resp: 3351063
Ion Ratio Lower Upper
114 100
63 24.9 20.3 30.5
88 17.8 14.2 21.4

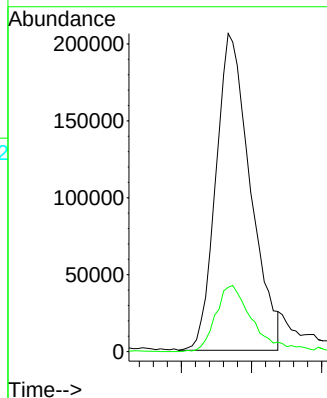
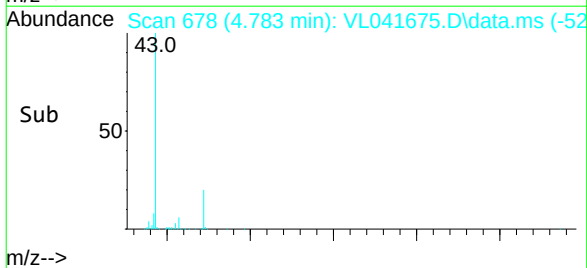
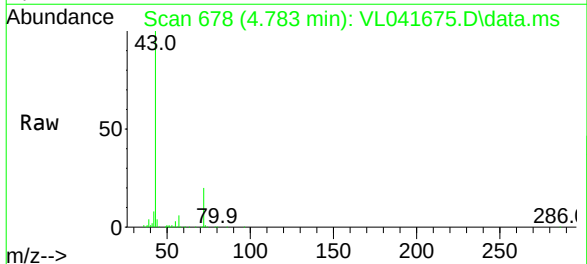
Manual Integrations
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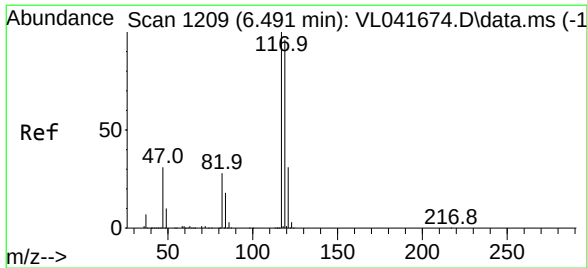
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#34
2-Butanone
Concen: 2.105 ppbv
RT: 4.783 min Scan# 678
Delta R.T. 0.003 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

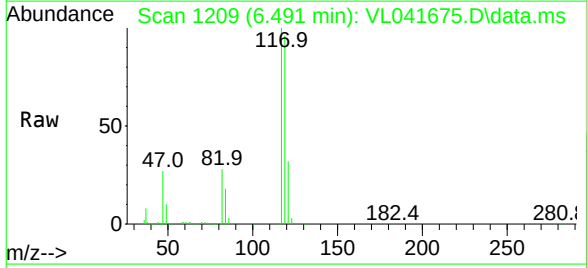
Tgt Ion: 43 Resp: 351257
Ion Ratio Lower Upper
43 100
72 23.3 17.4 26.0





#35
Carbon Tetrachloride
Concen: 2.257 ppbv
RT: 6.491 min Scan# 1209
Delta R.T. 0.000 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

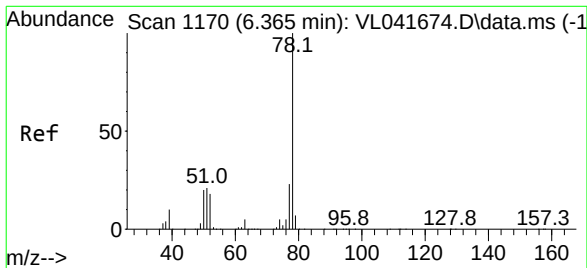
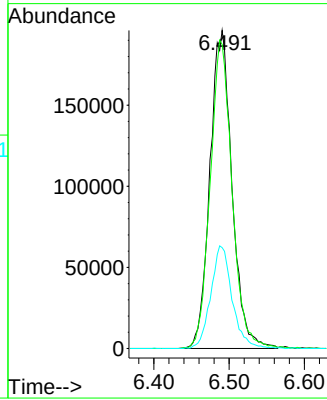
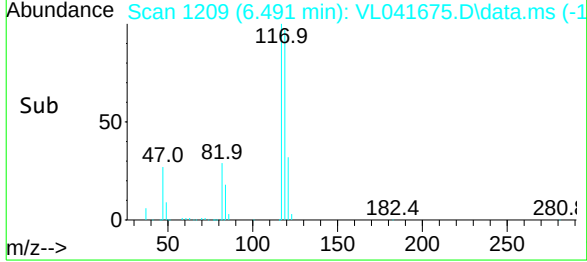
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



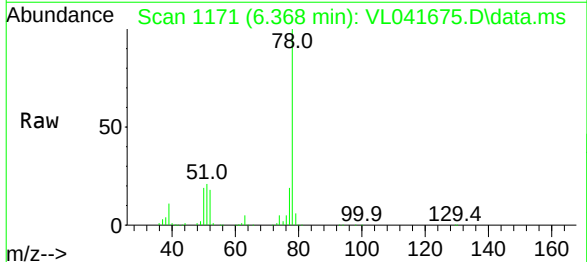
Tgt Ion: 117 Resp: 399871
Ion Ratio Lower Upper
117 100
119 95.6 77.2 115.8
121 31.7 25.0 37.4

Manual Integrations
APPROVED

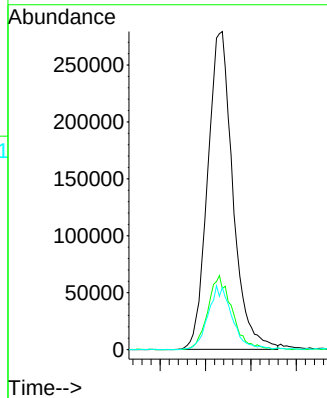
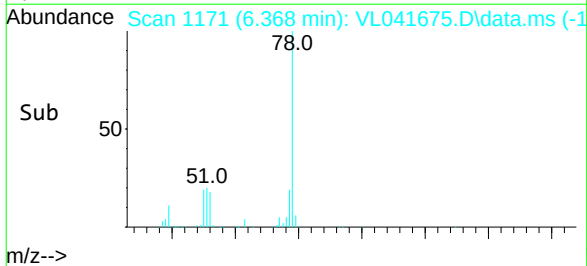
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024

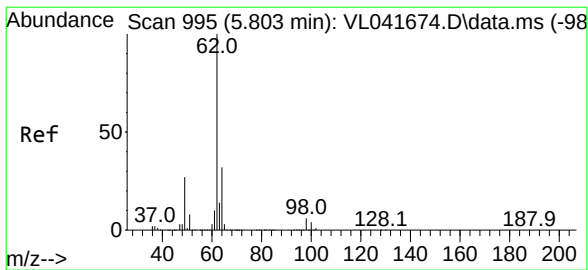


#36
Benzene
Concen: 2.169 ppbv
RT: 6.368 min Scan# 1171
Delta R.T. 0.003 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55



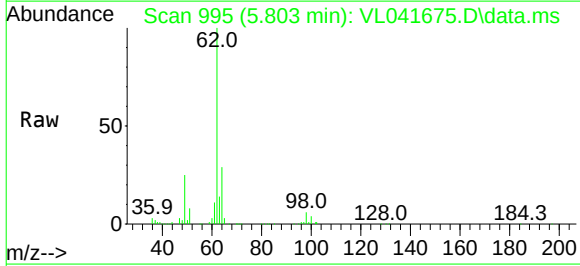
Tgt Ion: 78 Resp: 538471
Ion Ratio Lower Upper
78 100
77 19.1 18.5 27.7
50 19.5 15.6 23.4





#37
1,2-Dichloroethane
Concen: 2.080 ppbv
RT: 5.803 min Scan# 99
Delta R.T. 0.000 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

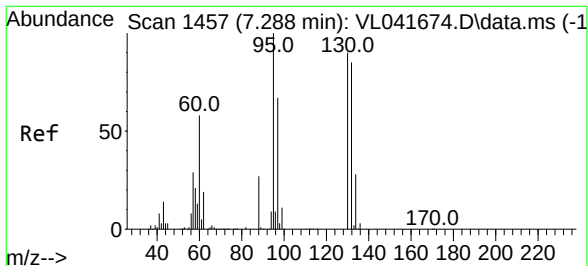
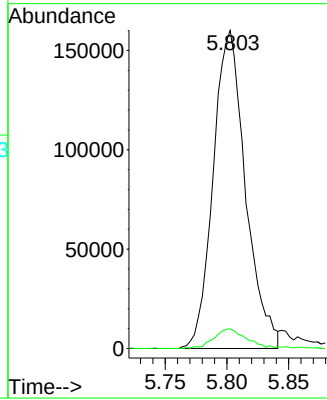
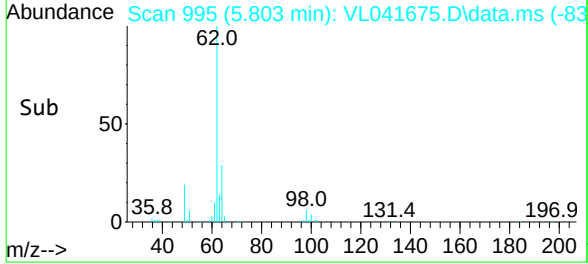
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



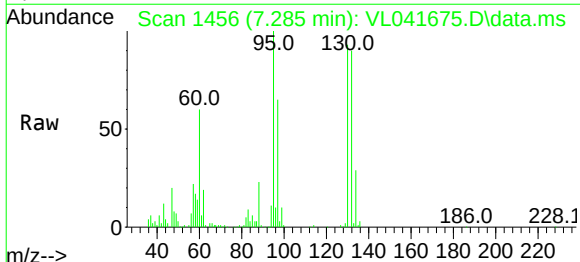
Tgt Ion: 62 Resp: 291336
Ion Ratio Lower Upper
62 100
98 6.6 5.2 7.8

Manual Integrations
APPROVED

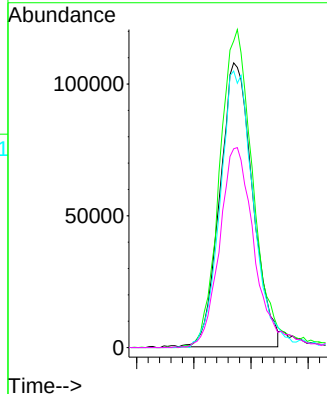
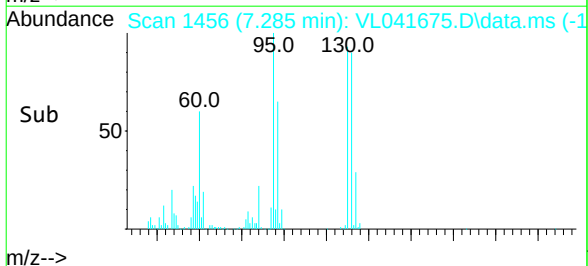
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024

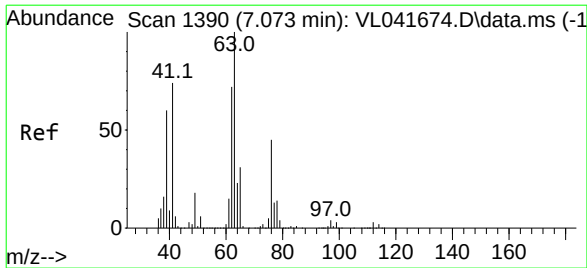


#38
Trichloroethene
Concen: 2.237 ppbv
RT: 7.285 min Scan# 1456
Delta R.T. -0.003 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55



Tgt Ion:130 Resp: 214170
Ion Ratio Lower Upper
130 100
95 108.0 89.1 133.7
132 97.2 75.7 113.5
97 70.0 60.0 90.0





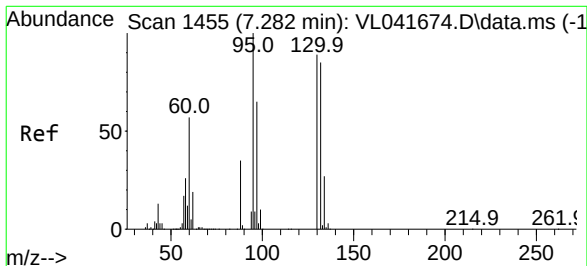
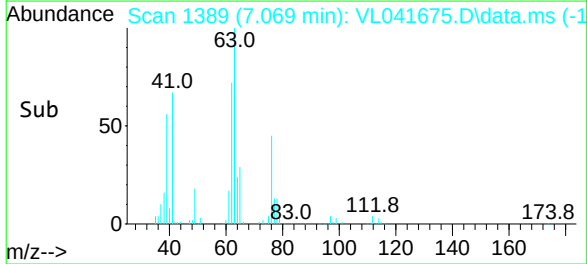
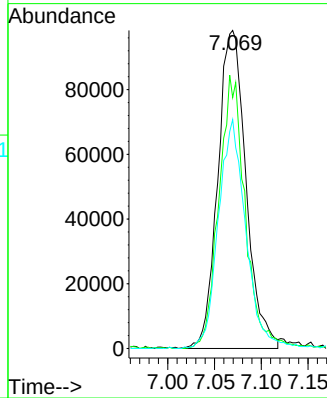
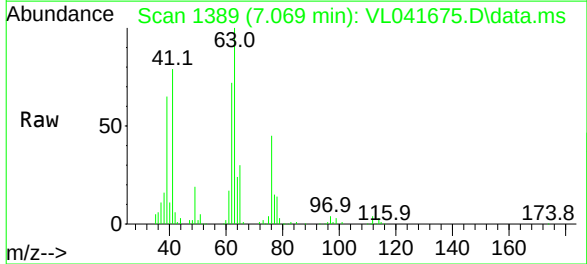
#39
1,2-Dichloropropane
Concen: 2.102 ppbv
RT: 7.069 min Scan# 1389
Delta R.T. -0.003 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 63 Resp: 206245
Ion Ratio Lower Upper
63 100
41 78.9 59.1 88.7
62 72.0 57.7 86.5

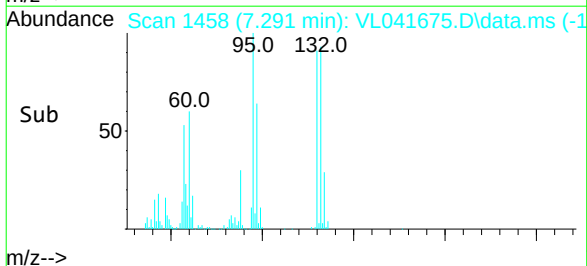
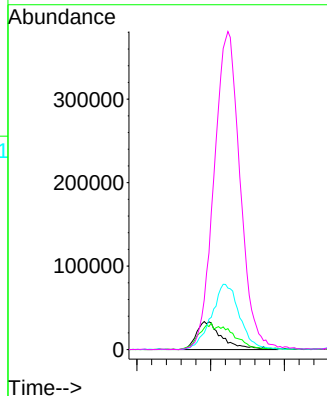
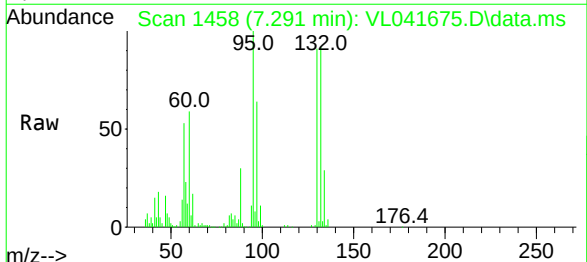
Manual Integrations
APPROVED

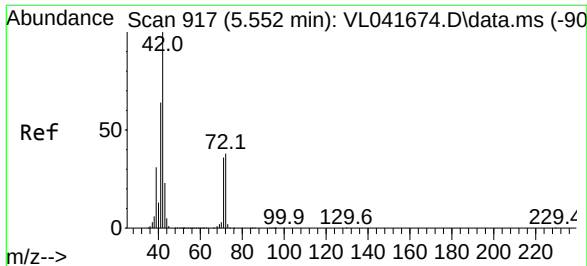
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#40
1,4-Dioxane
Concen: 2.365 ppbv m
RT: 7.291 min Scan# 1458
Delta R.T. 0.010 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

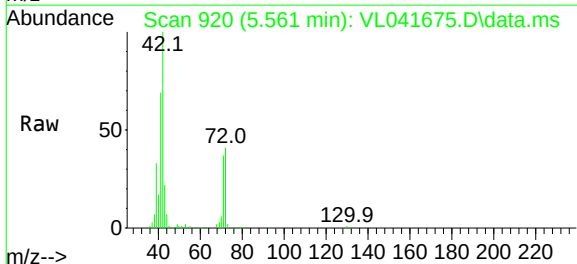
Tgt Ion: 88 Resp: 82194
Ion Ratio Lower Upper
88 100
58 0.0 101.4 152.2#
43 0.0 208.0 312.0#
57 0.0 902.9 1354.3#





#41
Tetrahydrofuran
Concen: 2.173 ppbv
RT: 5.561 min Scan# 92
Delta R.T. 0.010 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

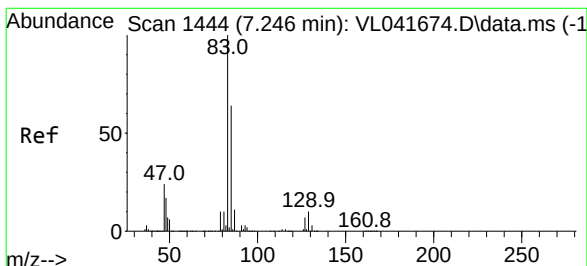
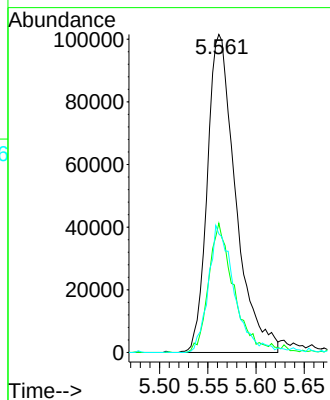
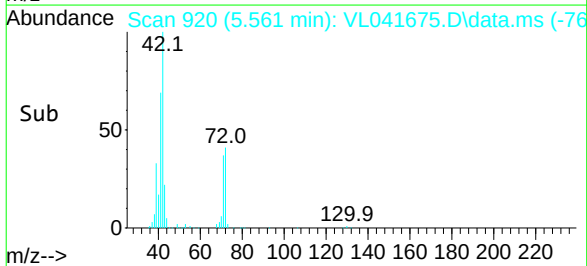
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 42 Resp: 206889
Ion Ratio Lower Upper
42 100
72 37.7 29.8 44.6
71 37.8 29.4 44.2

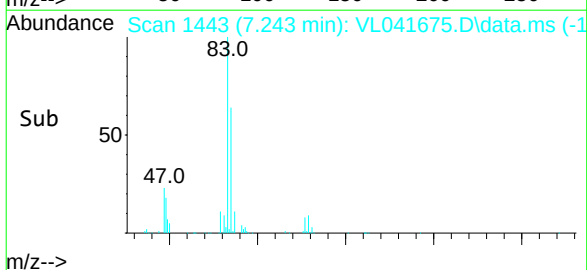
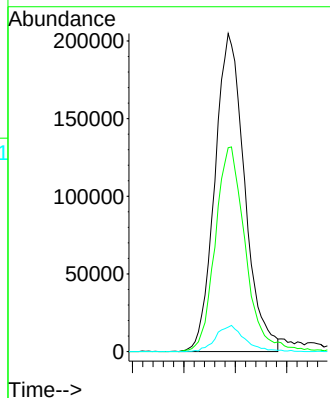
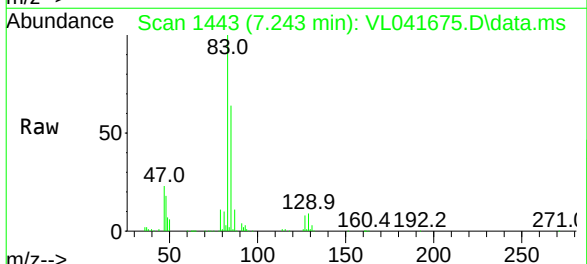
Manual Integrations
APPROVED

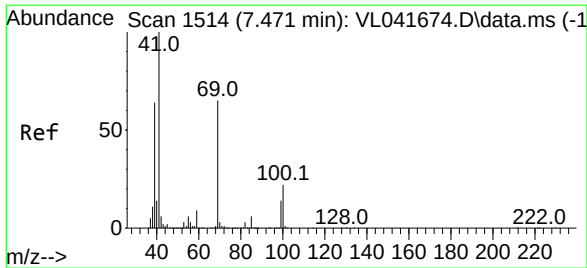
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#42
Bromodichloromethane
Concen: 2.116 ppbv
RT: 7.243 min Scan# 1443
Delta R.T. -0.003 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

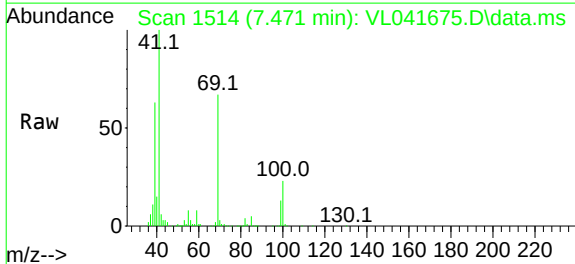
Tgt Ion: 83 Resp: 411846
Ion Ratio Lower Upper
83 100
85 64.1 51.2 76.8
127 7.7 6.0 9.0





#43
Methyl Methacrylate
Concen: 2.140 ppbv
RT: 7.471 min Scan# 1514
Delta R.T. 0.000 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

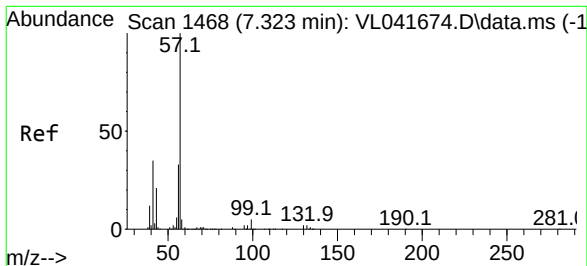
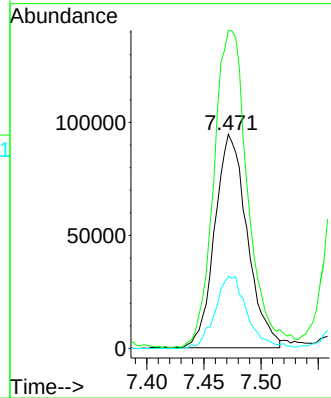
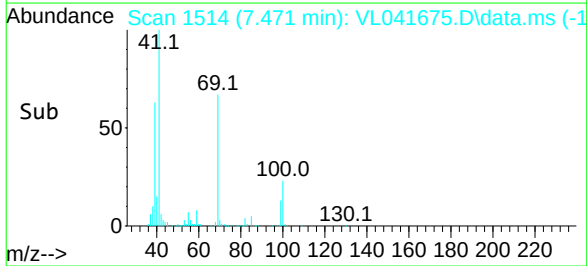
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



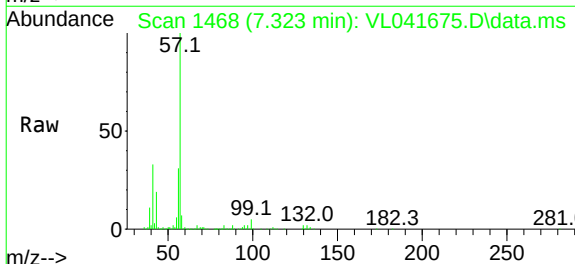
Tgt Ion: 69 Resp: 186557
Ion Ratio Lower Upper
69 100
41 157.8 119.8 179.6
100 33.6 27.3 40.9

Manual Integrations
APPROVED

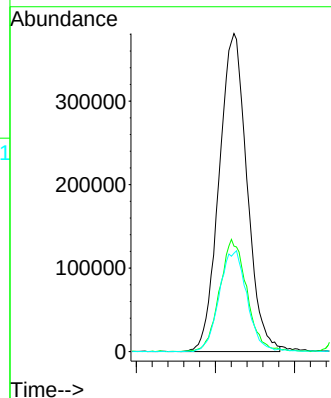
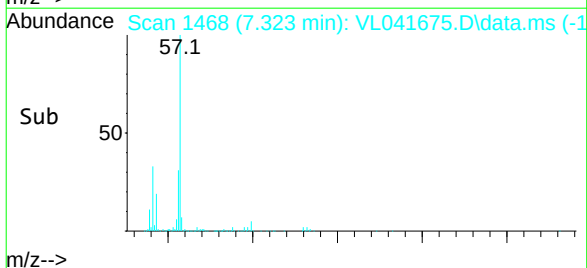
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024

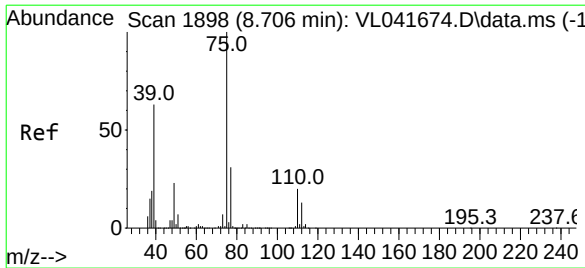


#44
2,2,4-Trimethylpentane
Concen: 2.217 ppbv
RT: 7.323 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55



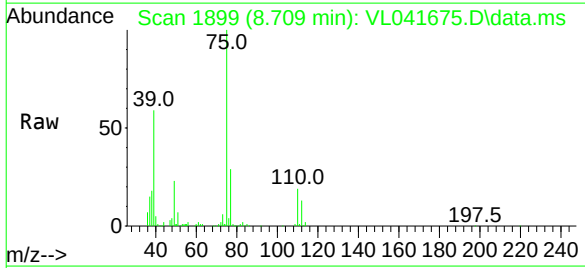
Tgt Ion: 57 Resp: 932386
Ion Ratio Lower Upper
57 100
41 34.6 27.0 40.6
56 31.8 25.8 38.6





#45
t-1,3-Dichloropropene
Concen: 1.929 ppbv
RT: 8.709 min Scan# 1898
Delta R.T. 0.003 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

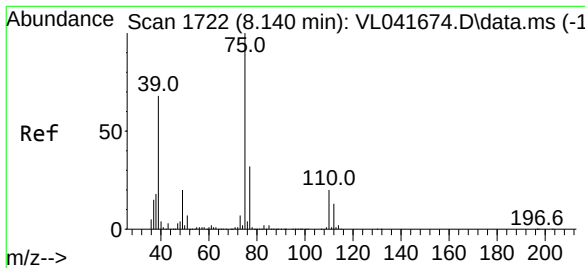
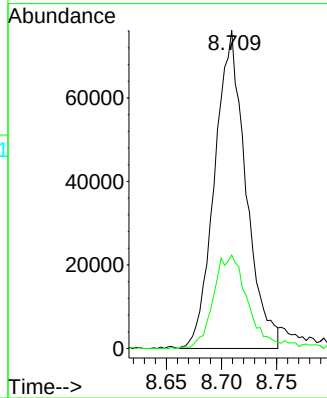
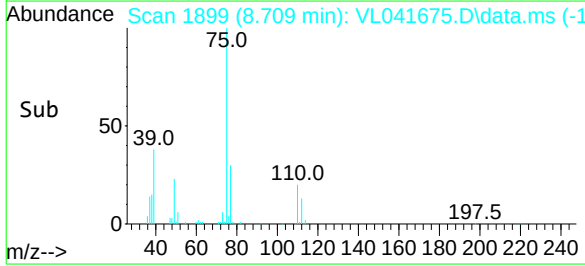
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



Tgt Ion: 75 Resp: 150366
Ion Ratio Lower Upper
75 100
77 29.4 24.7 37.1

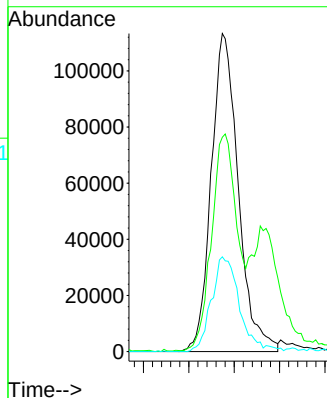
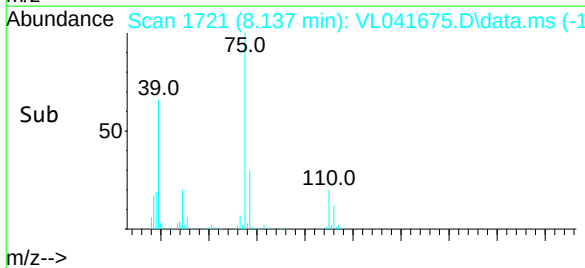
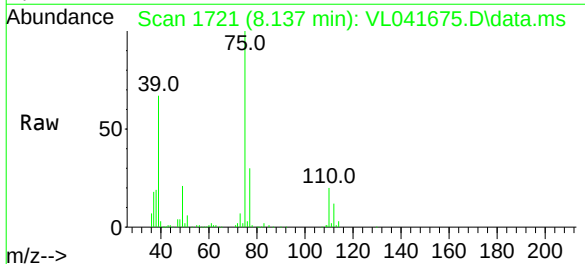
Manual Integrations
APPROVED

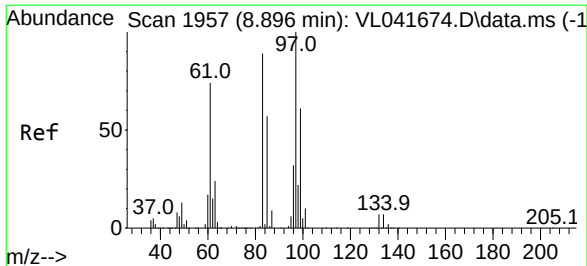
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#46
cis-1,3-Dichloropropene
Concen: 2.069 ppbv
RT: 8.137 min Scan# 1721
Delta R.T. -0.003 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

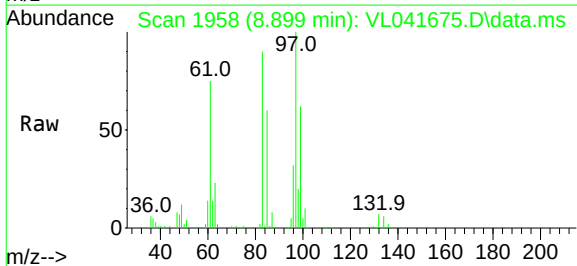
Tgt Ion: 75 Resp: 234294
Ion Ratio Lower Upper
75 100
39 67.0 54.1 81.1
77 29.8 25.3 37.9





#47
1,1,2-Trichloroethane
Concen: 2.061 ppbv m
RT: 8.899 min Scan# 19
Delta R.T. 0.003 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

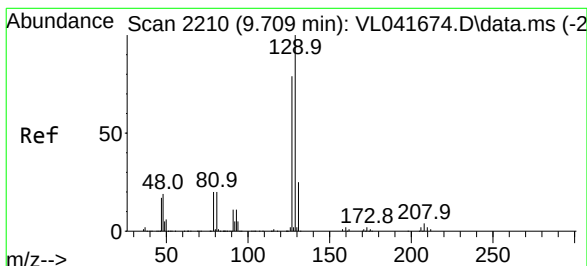
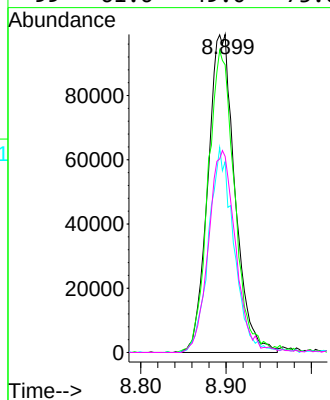
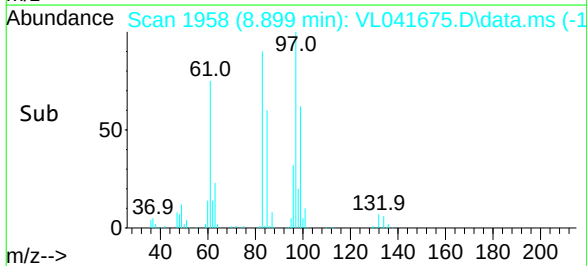
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 97 Resp: 218012
Ion Ratio Lower Upper
97 100
83 90.4 71.0 106.6
85 60.0 45.4 68.2
99 61.6 49.0 73.6

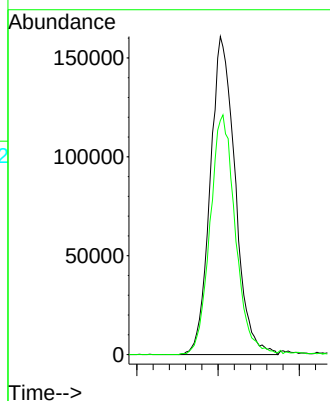
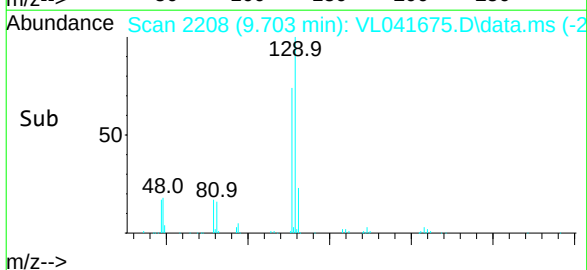
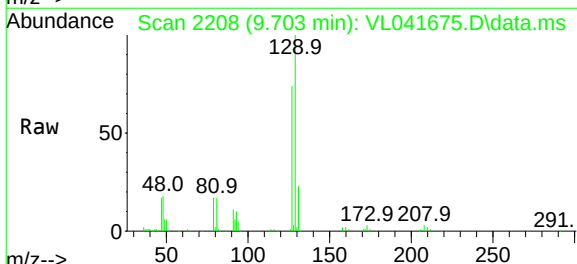
Manual Integrations
APPROVED

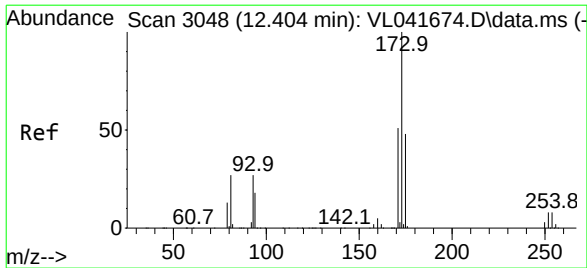
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#48
Dibromochloromethane
Concen: 2.121 ppbv
RT: 9.703 min Scan# 2208
Delta R.T. -0.006 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

Tgt Ion:129 Resp: 342372
Ion Ratio Lower Upper
129 100
127 77.3 39.1 117.2





#49

Bromoform

Concen: 2.080 ppbv

RT: 12.404 min Scan# 3048

Delta R.T. 0.000 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_L

ClientSampleId :

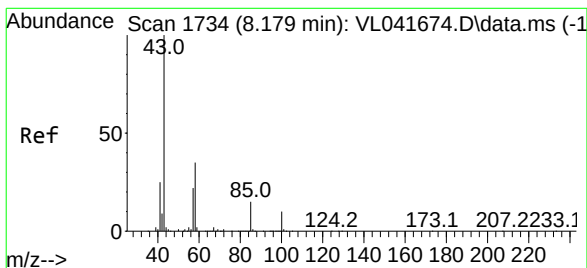
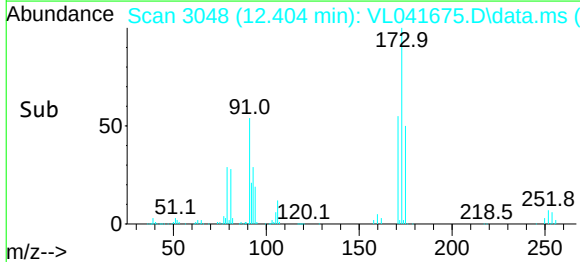
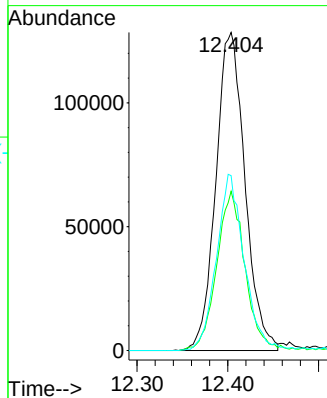
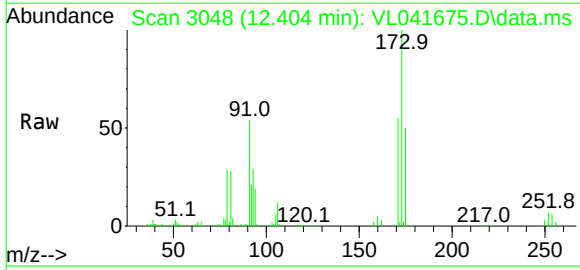
VSTDICC002

Tgt Ion:	173	Resp:	286412
Ion Ratio	Lower	Upper	
173	100		
175	48.9	39.2	58.8
171	53.2	41.7	62.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#50

4-Methyl-2-Pentanone

Concen: 2.198 ppbv

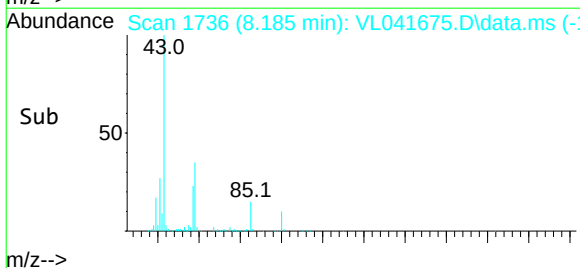
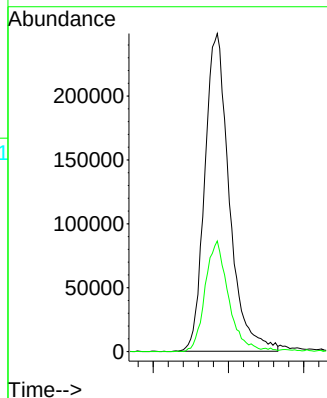
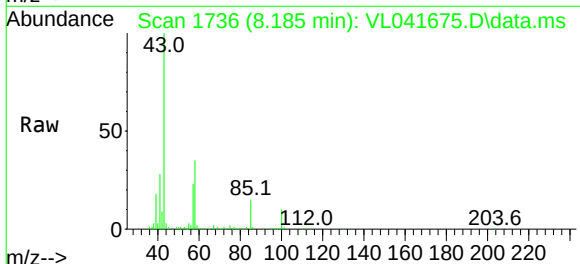
RT: 8.185 min Scan# 1736

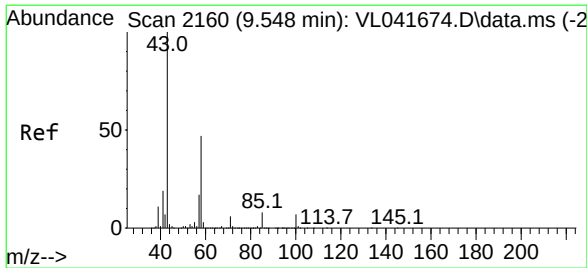
Delta R.T. 0.006 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

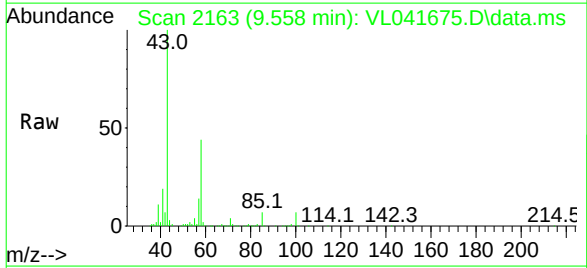
Tgt Ion:	43	Resp:	563317
Ion Ratio	Lower	Upper	
43	100		
58	34.0	27.7	41.5





#51
2-Hexanone
Concen: 2.163 ppbv
RT: 9.558 min Scan# 2160
Delta R.T. 0.010 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

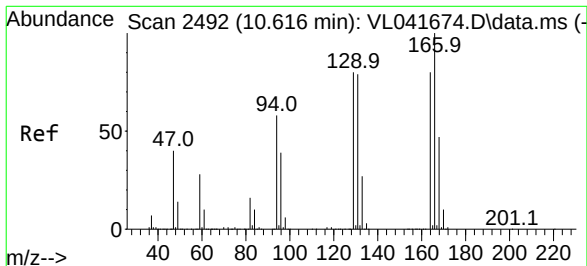
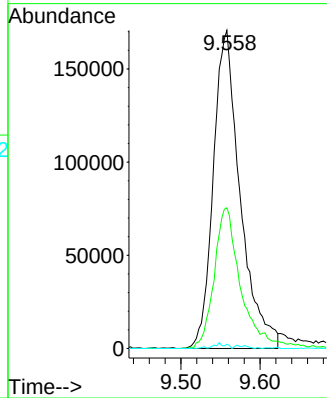
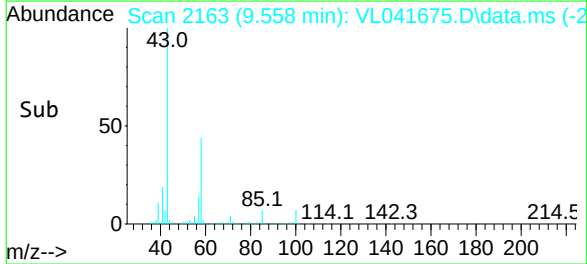
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



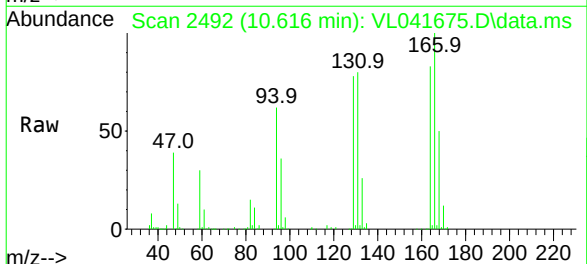
Tgt Ion: 43 Resp: 402751
Ion Ratio Lower Upper
43 100
58 44.3 37.0 55.6
98 0.8 0.6 0.8

Manual Integrations
APPROVED

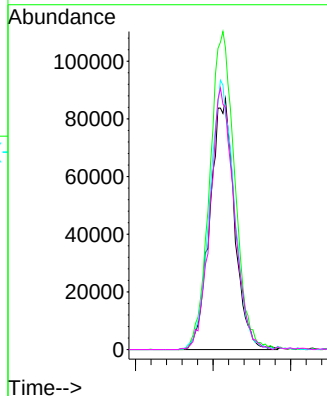
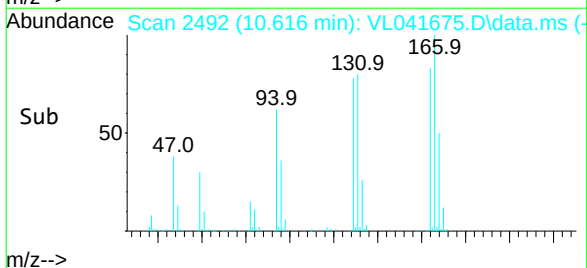
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024

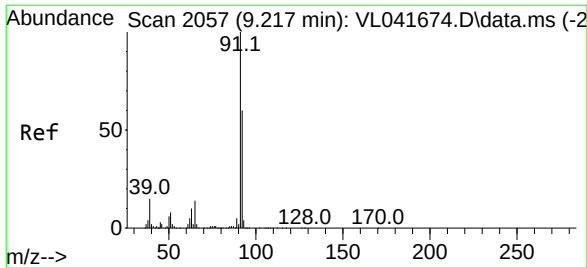


#52
Tetrachloroethene
Concen: 2.252 ppbv m
RT: 10.616 min Scan# 2492
Delta R.T. 0.000 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55



Tgt Ion:164 Resp: 191108
Ion Ratio Lower Upper
164 100
166 120.3 100.2 150.4
129 93.4 79.7 119.5
131 96.5 79.0 118.4





#53

Toluene

Concen: 2.161 ppbv

RT: 9.220 min Scan# 2057

Delta R.T. 0.003 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 91 Resp: 564332

Ion Ratio Lower Upper

91 100

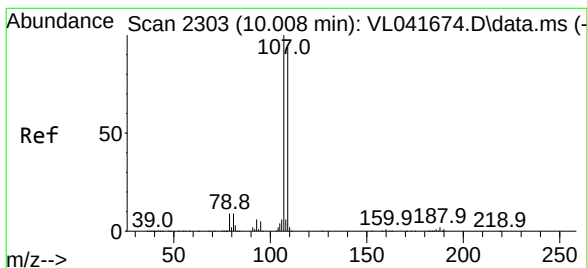
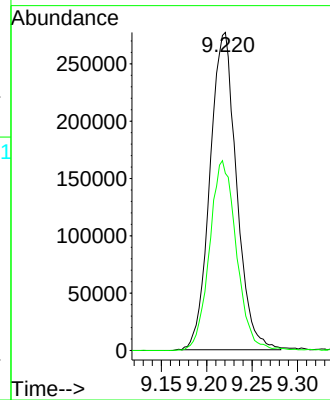
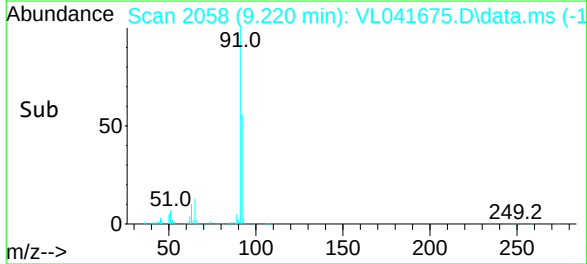
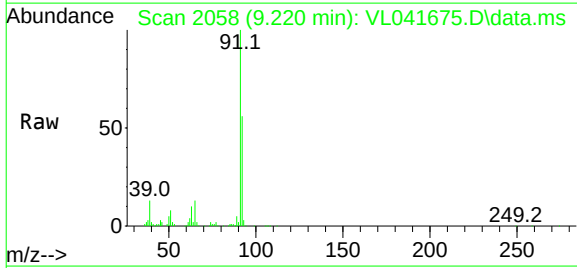
92 61.0 49.0 73.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024

Supervised By :Semsettin Yesilyurt 11/09/2024



#54

1,2-Dibromoethane

Concen: 2.262 ppbv

RT: 10.005 min Scan# 2302

Delta R.T. -0.003 min

Lab File: VL041675.D

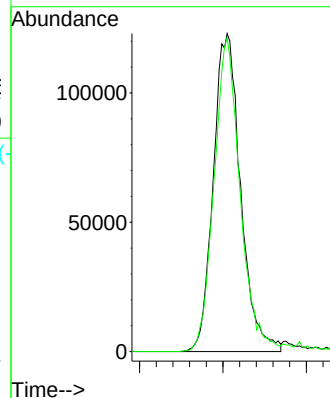
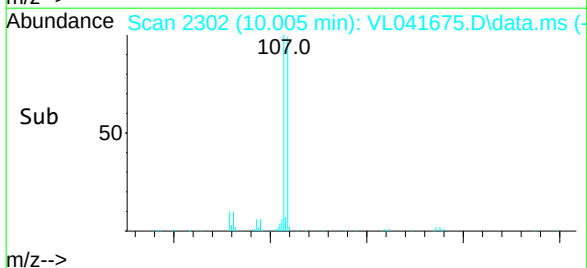
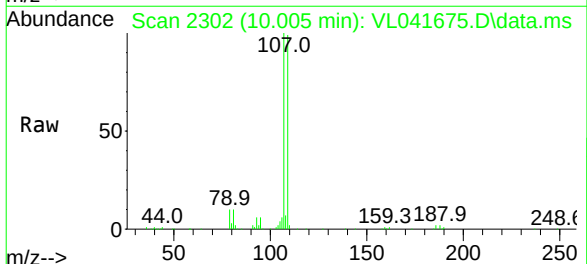
Acq: 7 Nov 2024 10:55

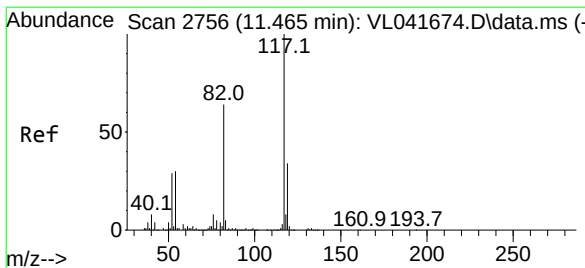
Tgt Ion:107 Resp: 279460

Ion Ratio Lower Upper

107 100

109 98.4 74.9 112.3





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.462 min Scan# 2756

Delta R.T. -0.003 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion:117 Resp: 3155486

Ion Ratio Lower Upper

117 100

82 60.0 49.8 74.8

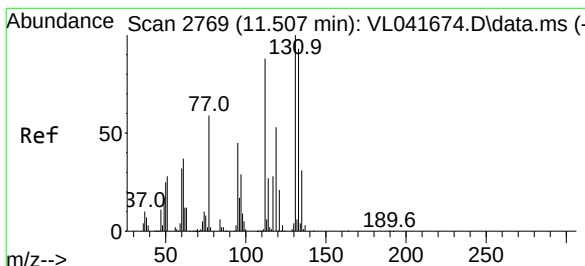
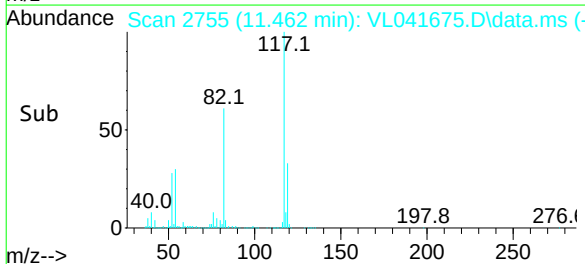
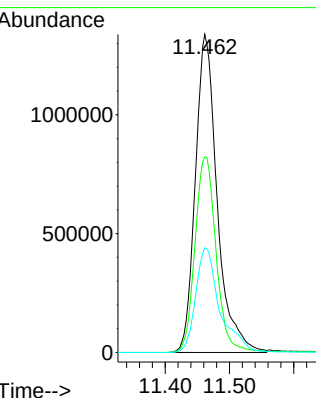
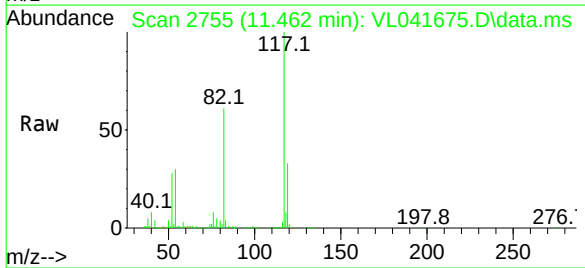
119 36.8 24.2 36.4#

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024

Supervised By :Semsettin Yesilyurt 11/09/2024



#56

1,1,1,2-Tetrachloroethane

Concen: 2.130 ppbv

RT: 11.507 min Scan# 2769

Delta R.T. 0.000 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

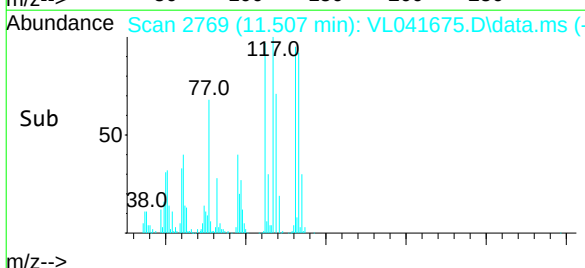
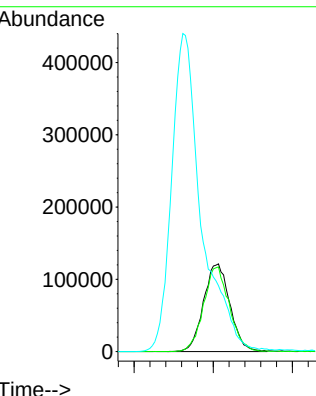
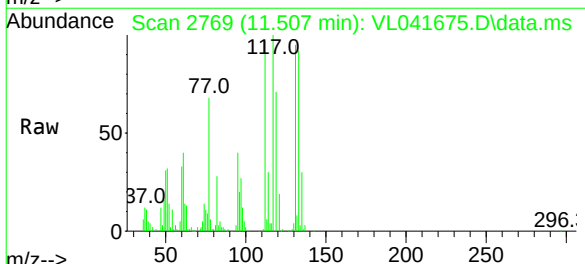
Tgt Ion:131 Resp: 279872

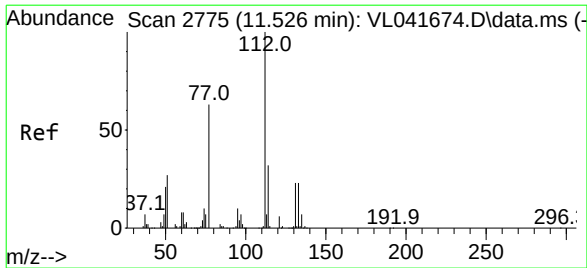
Ion Ratio Lower Upper

131 100

133 94.8 76.5 114.7

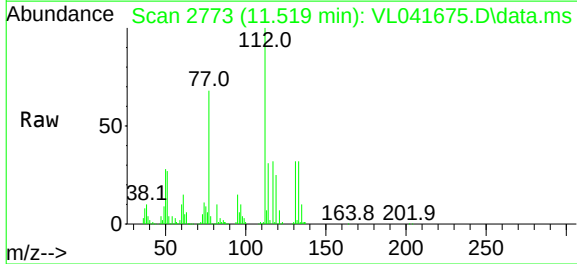
119 414.0 49.8 74.8#





#57
Chlorobenzene
Concen: 2.128 ppbv
RT: 11.519 min Scan# 2775
Delta R.T. -0.006 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

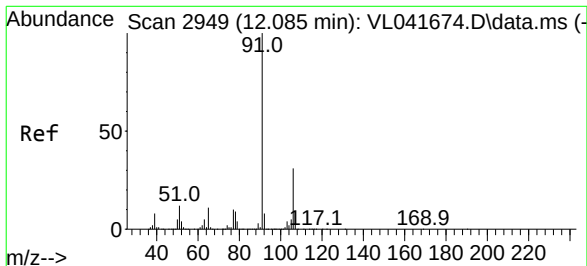
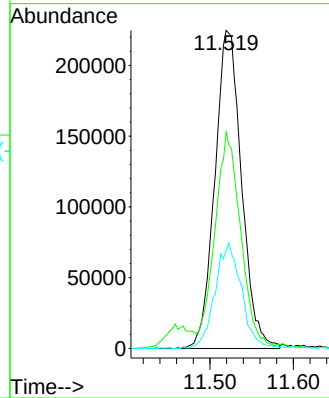
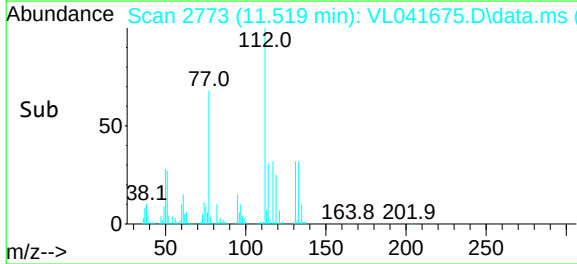
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



Tgt Ion: 112 Resp: 500524
Ion Ratio Lower Upper
112 100
77 66.6 51.4 77.2
114 31.0 28.4 34.8

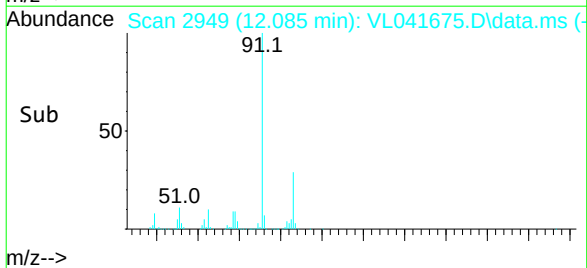
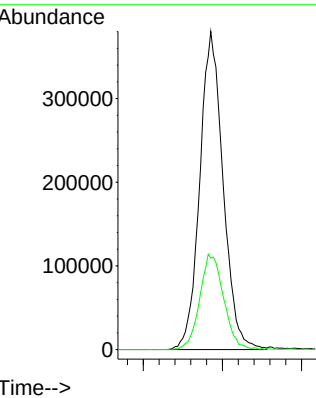
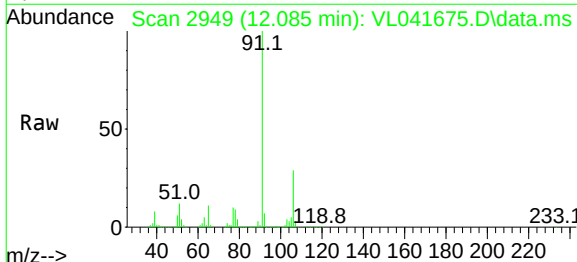
Manual Integrations
APPROVED

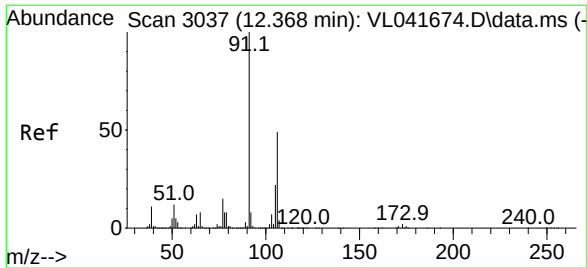
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#58
Ethyl Benzene
Concen: 2.225 ppbv
RT: 12.085 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

Tgt Ion: 91 Resp: 777614
Ion Ratio Lower Upper
91 100
106 28.7 24.9 37.3





#59

m/p-Xylene

Concen: 4.488 ppbv m

RT: 12.368 min Scan# 3037

Delta R.T. 0.000 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 91 Resp: 1403331

Ion Ratio Lower Upper

91 100

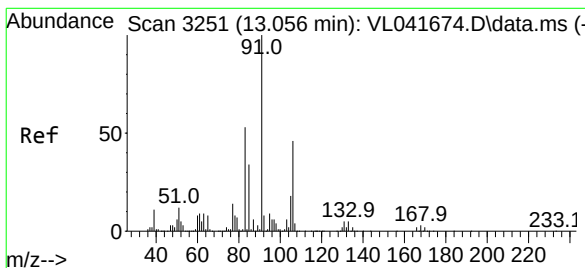
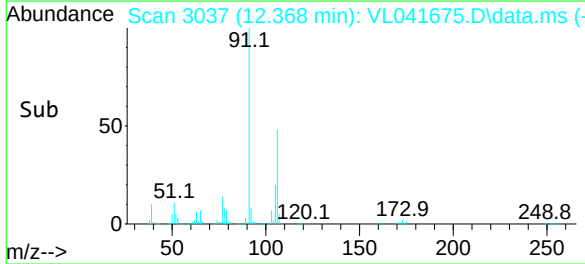
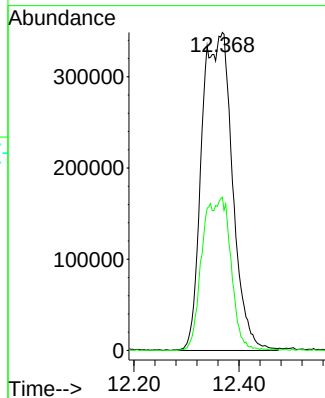
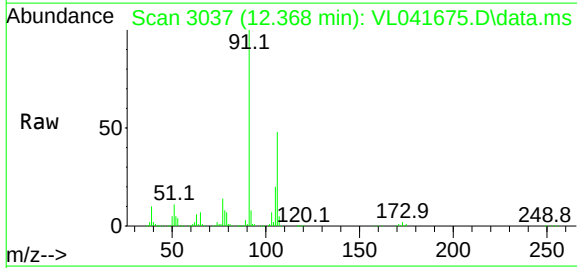
106 45.4 36.9 55.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024

Supervised By :Semsettin Yesilyurt 11/09/2024



#60

o-Xylene

Concen: 2.258 ppbv

RT: 13.053 min Scan# 3250

Delta R.T. -0.003 min

Lab File: VL041675.D

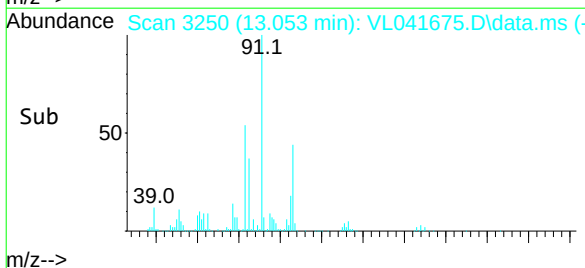
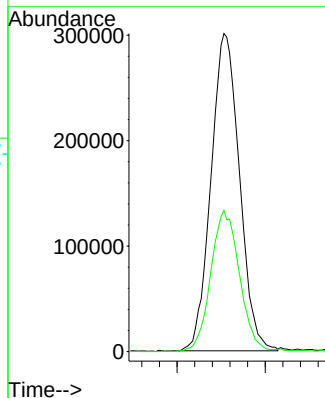
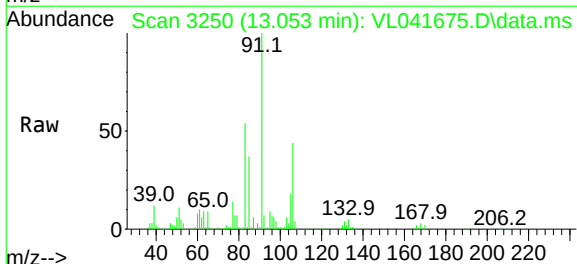
Acq: 7 Nov 2024 10:55

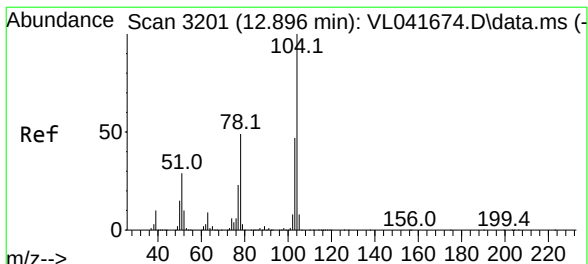
Tgt Ion: 91 Resp: 674003

Ion Ratio Lower Upper

91 100

106 45.4 23.2 69.6





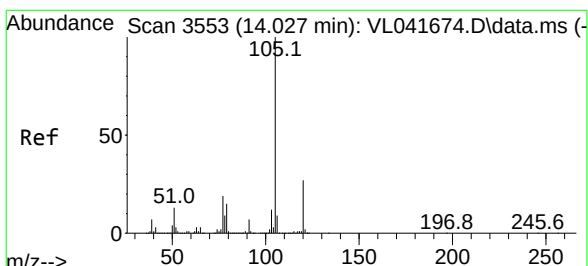
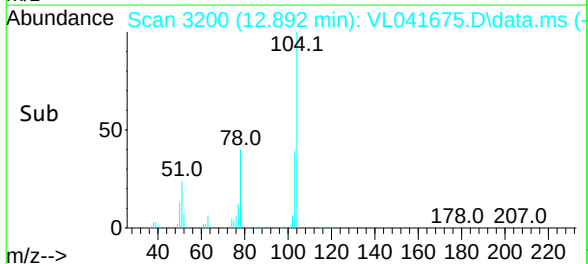
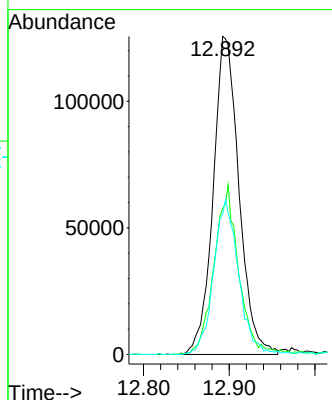
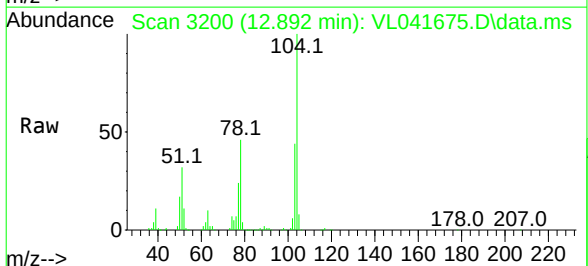
#61
Styrene
Concen: 2.133 ppbv
RT: 12.892 min Scan# 3201
Delta R.T. -0.003 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

Instrument : MSVOA_L
ClientSampleId : VSTDIC002

Tgt Ion:	104	Resp:	262837
Ion Ratio	Lower	Upper	
104	100		
78	51.3	39.8	59.8
103	47.7	37.4	56.0

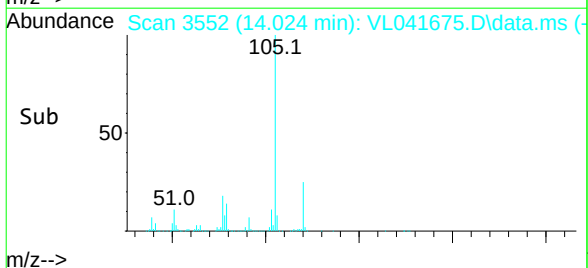
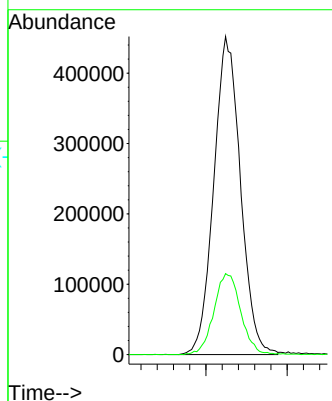
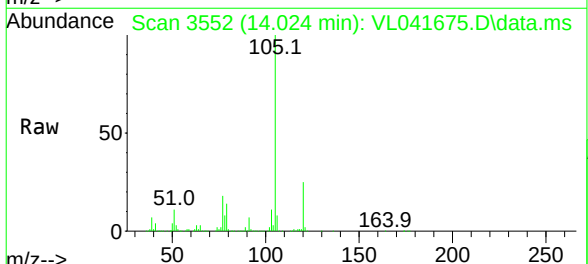
Manual Integrations
APPROVED

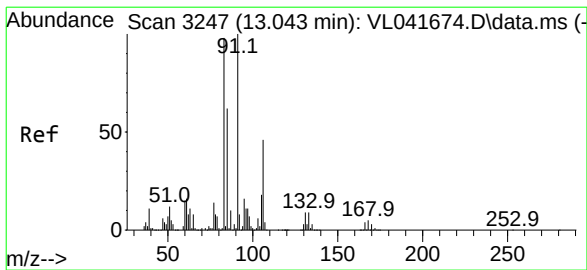
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#62
Isopropylbenzene
Concen: 2.236 ppbv
RT: 14.024 min Scan# 3552
Delta R.T. -0.003 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

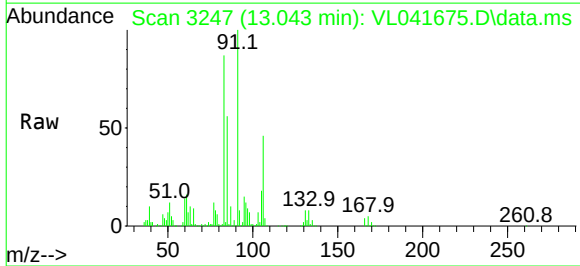
Tgt Ion:	105	Resp:	1030511
Ion Ratio	Lower	Upper	
105	100		
120	25.8	21.1	31.7





#63
1,1,2,2-Tetrachloroethane
Concen: 2.245 ppbv
RT: 13.043 min Scan# 3247
Delta R.T. 0.000 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

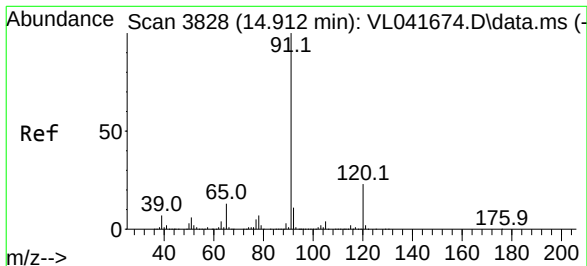
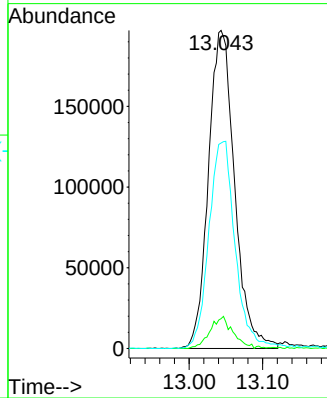
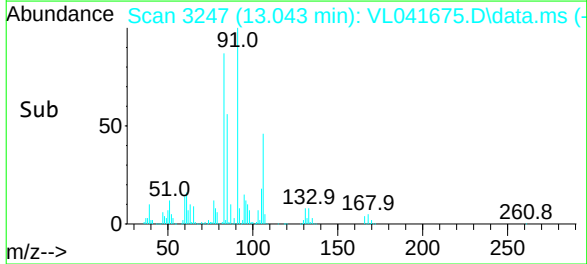
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



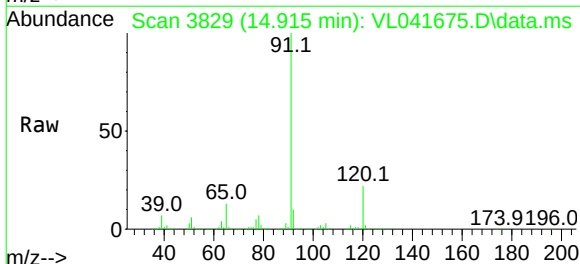
Tgt Ion	Ratio	Lower	Upper
83	100		
131	8.9	4.8	14.3
85	66.1	32.6	98.0

Manual Integrations
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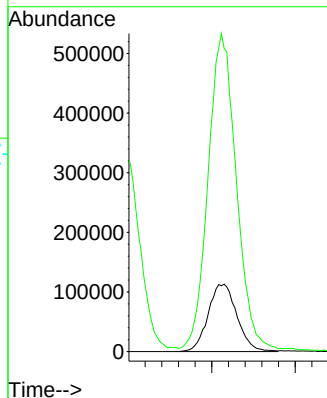
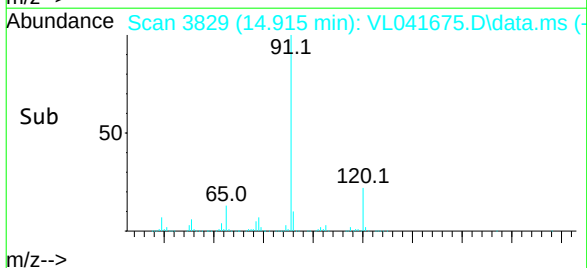
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024

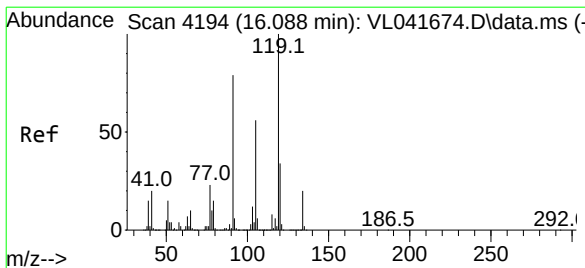


#64
n-propylbenzene
Concen: 2.251 ppbv
RT: 14.915 min Scan# 3829
Delta R.T. 0.003 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55



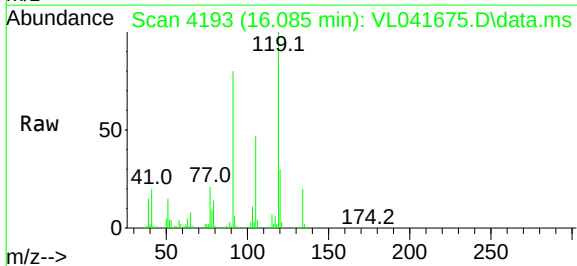
Tgt Ion	Ratio	Lower	Upper
120	100		
91	469.1	362.4	543.6





#65
tert-Butylbenzene
Concen: 2.290 ppbv
RT: 16.085 min Scan# 4194
Delta R.T. -0.003 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

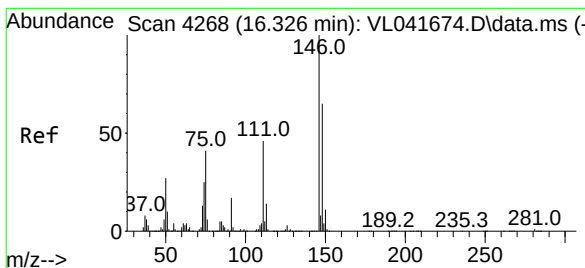
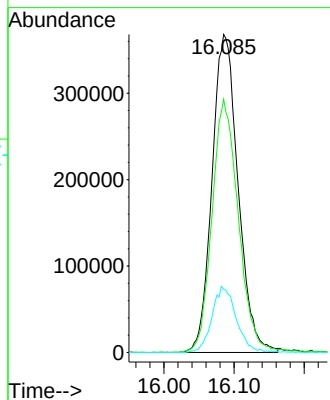
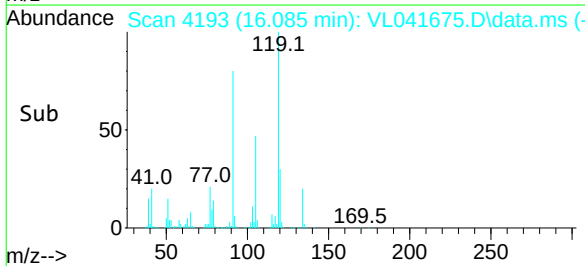
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



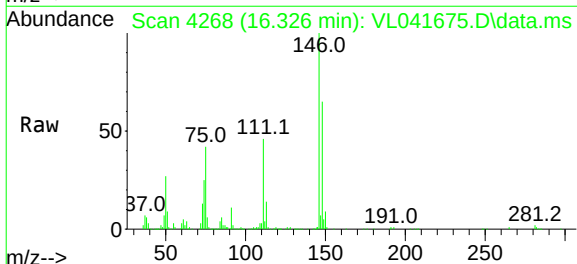
Tgt Ion: 119 Resp: 948395
Ion Ratio Lower Upper
119 100
91 81.0 64.3 96.5
134 19.5 15.8 23.8

Manual Integrations
APPROVED

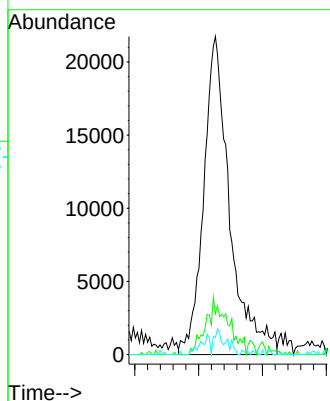
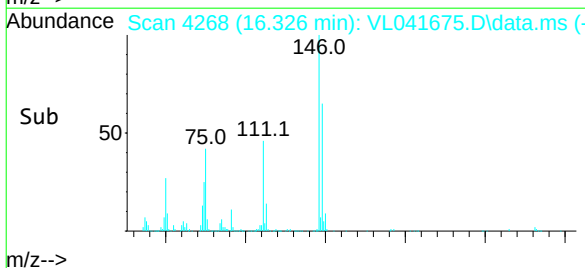
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024

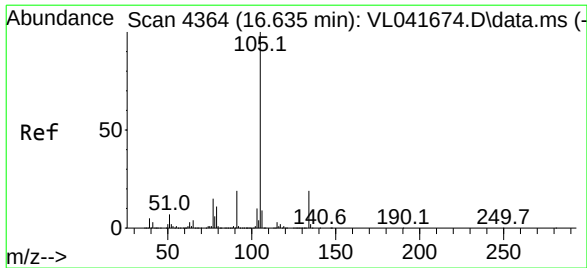


#66
Benzyl Chloride
Concen: 2.072 ppbv m
RT: 16.326 min Scan# 4268
Delta R.T. 0.000 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55



Tgt Ion: 91 Resp: 61799
Ion Ratio Lower Upper
91 100
126 16.2 13.8 20.6
128 5.9 4.3 6.5





#67

sec-Butylbenzene

Concen: 2.312 ppbv

RT: 16.632 min Scan# 4364

Delta R.T. -0.003 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion:105 Resp: 1349679

Ion Ratio Lower Upper

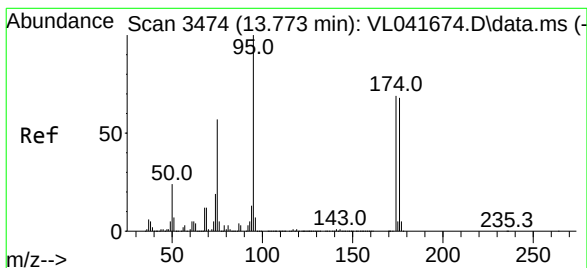
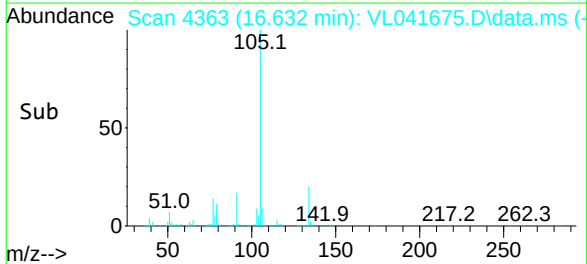
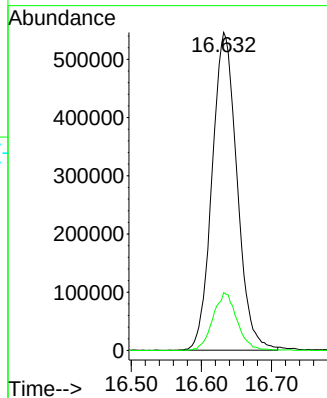
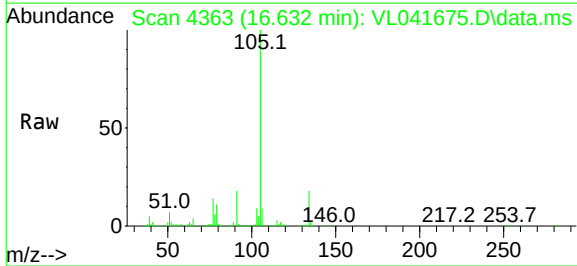
105 100

134 17.8 14.6 22.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#68

1-Bromo-4-Fluorobenzene

Concen: 9.764 ppbv

RT: 13.773 min Scan# 3474

Delta R.T. 0.000 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

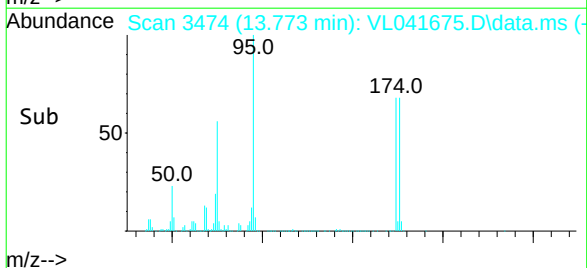
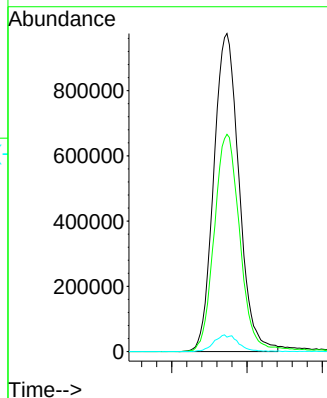
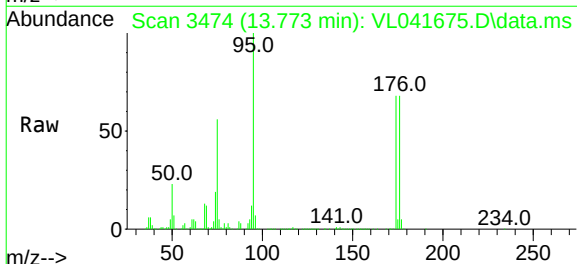
Tgt Ion: 95 Resp: 2278471

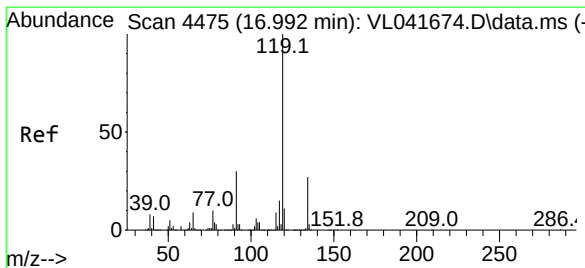
Ion Ratio Lower Upper

95 100

174 70.4 55.6 83.4

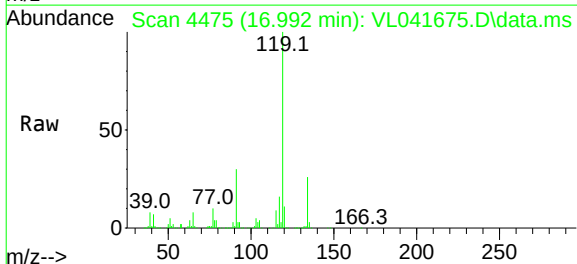
175 5.1 4.2 6.2





#69
p-Isopropyltoluene
Concen: 2.324 ppbv
RT: 16.992 min Scan# 4475
Delta R.T. 0.000 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

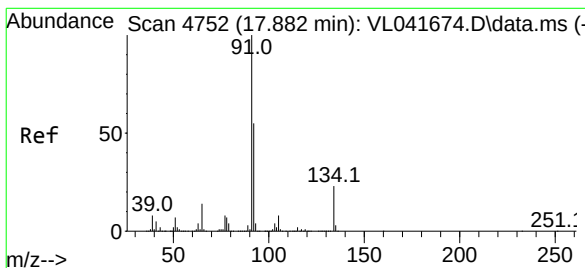
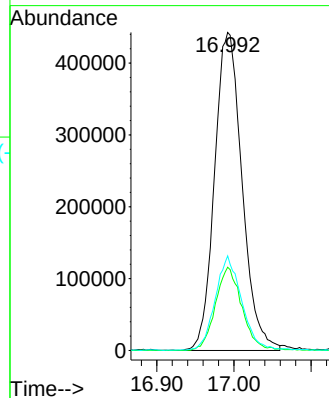
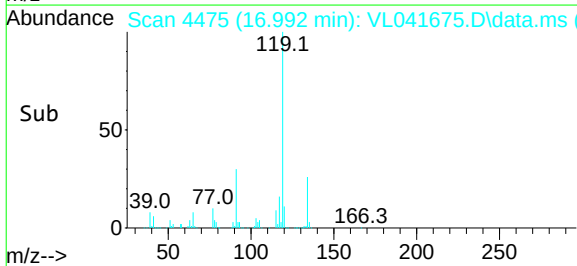
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



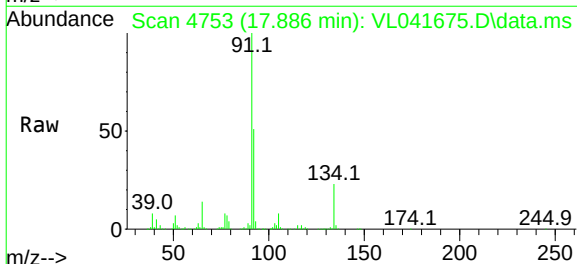
Tgt Ion: 119 Resp: 1097205
Ion Ratio Lower Upper
119 100
134 25.4 20.8 31.2
91 28.6 23.2 34.8

Manual Integrations
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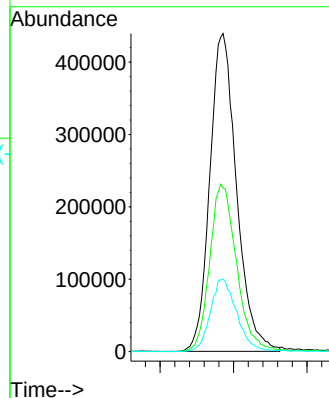
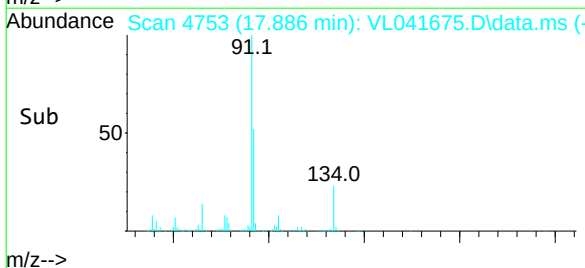
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024

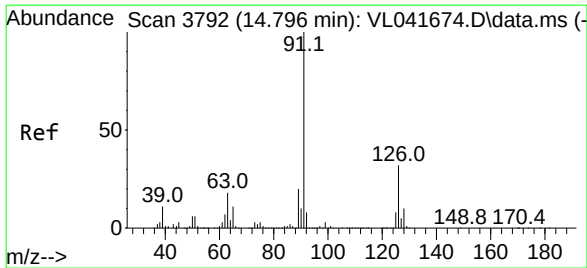


#70
n-Butylbenzene
Concen: 2.293 ppbv
RT: 17.886 min Scan# 4753
Delta R.T. 0.003 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55



Tgt Ion: 91 Resp: 1109618
Ion Ratio Lower Upper
91 100
92 53.4 43.3 64.9
134 22.9 18.4 27.6





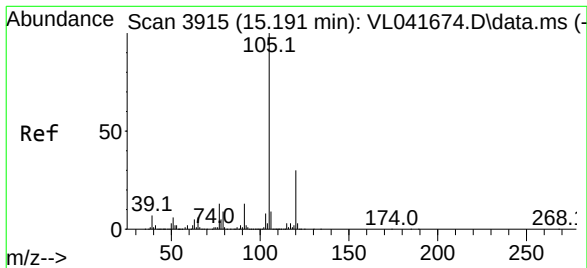
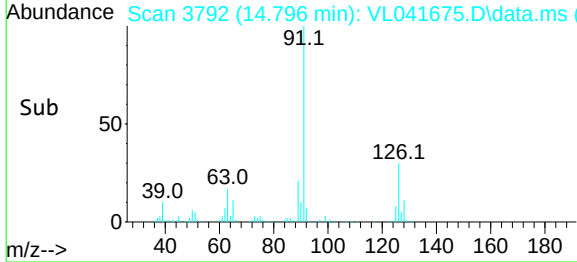
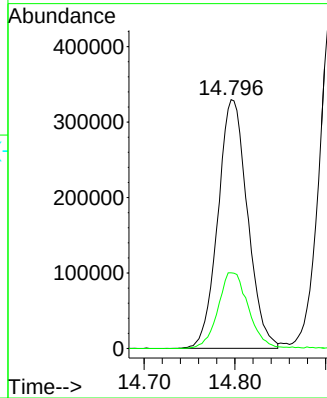
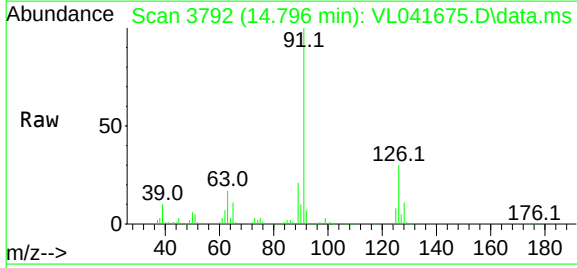
#71
2-Chlorotoluene
Concen: 2.238 ppbv
RT: 14.796 min Scan# 3792
Delta R.T. 0.000 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 91 Resp: 745884
Ion Ratio Lower Upper
91 100
126 31.7 12.8 51.0

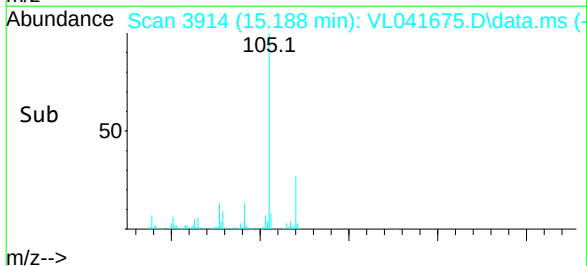
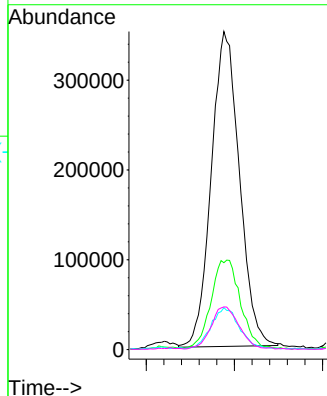
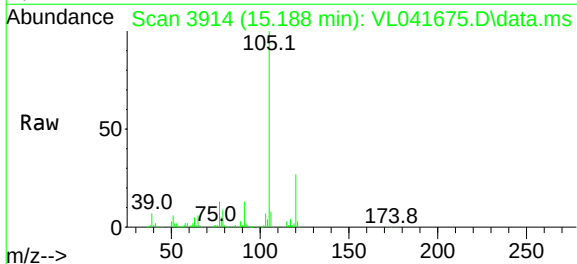
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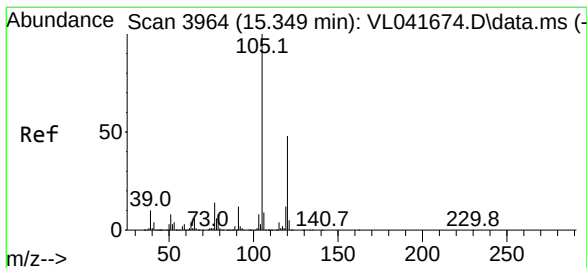
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#72
4-Ethyltoluene
Concen: 2.244 ppbv
RT: 15.188 min Scan# 3914
Delta R.T. -0.003 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

Tgt Ion:105 Resp: 777952
Ion Ratio Lower Upper
105 100
120 31.1 25.0 37.4
91 13.5 10.6 15.8
77 14.0 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 2.274 ppbv

RT: 15.346 min Scan# 39

Delta R.T. -0.003 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion:105 Resp: 691387

Ion Ratio Lower Upper

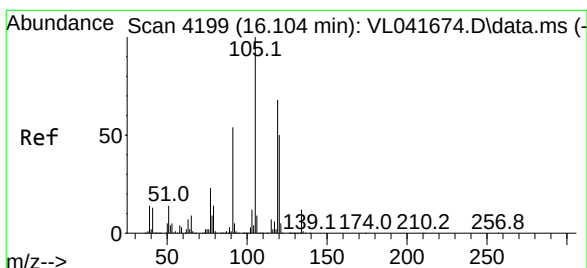
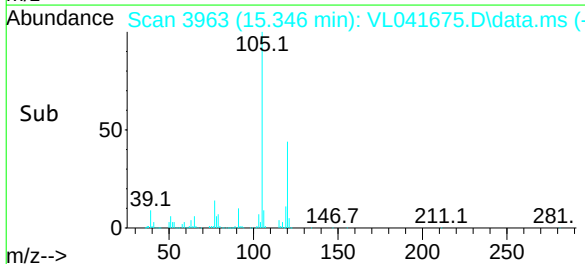
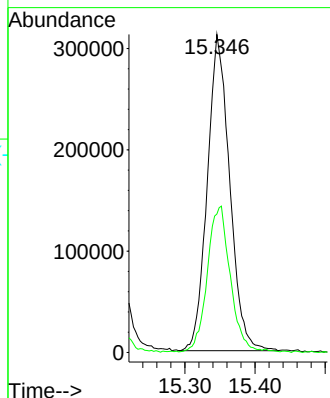
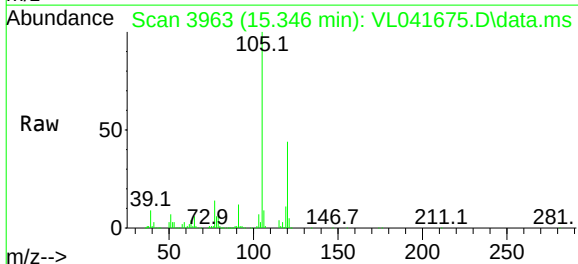
105 100

120 43.6 38.4 57.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#74

1,2,4-Trimethylbenzene

Concen: 2.252 ppbv

RT: 16.101 min Scan# 4198

Delta R.T. -0.003 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Tgt Ion:105 Resp: 796450

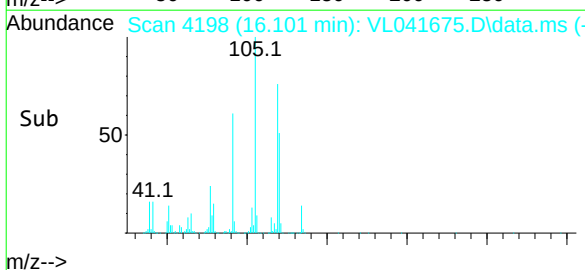
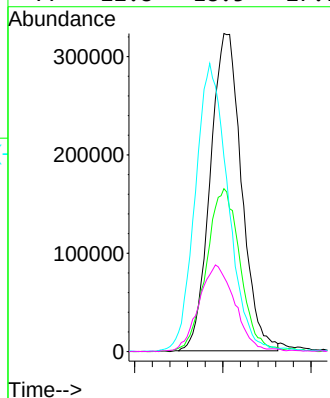
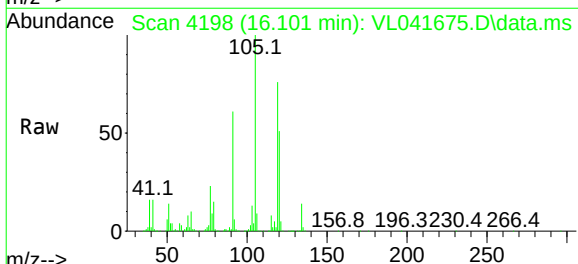
Ion Ratio Lower Upper

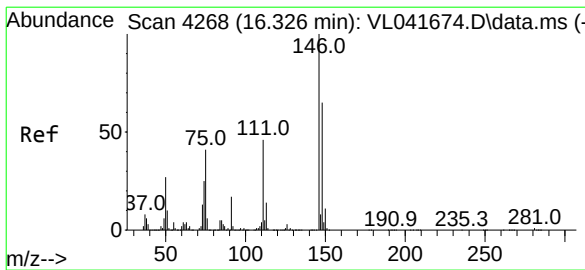
105 100

120 50.3 39.8 59.8

91 60.5 43.2 64.8

77 22.8 18.5 27.7





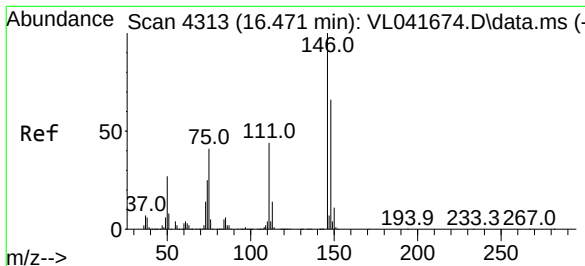
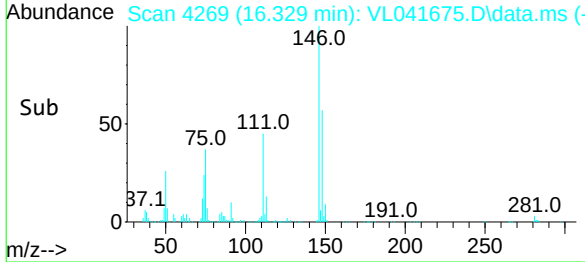
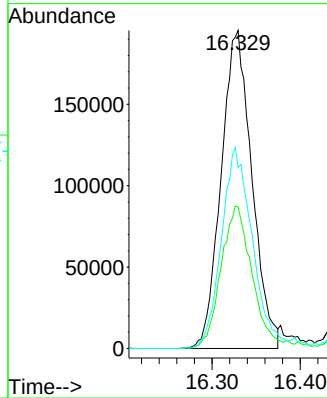
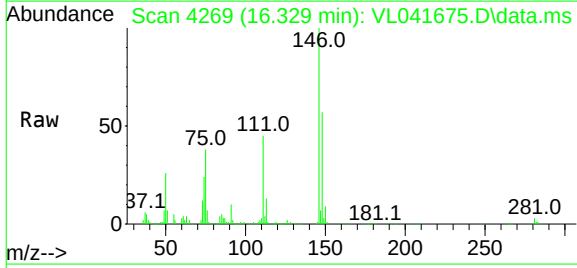
#75
1,3-Dichlorobenzene
Concen: 2.167 ppbv
RT: 16.329 min Scan# 4268
Delta R.T. 0.003 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:146 Resp: 473241
Ion Ratio Lower Upper
146 100
111 46.4 22.8 68.3
148 65.2 32.4 97.0

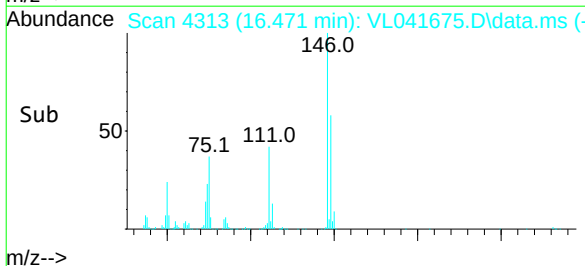
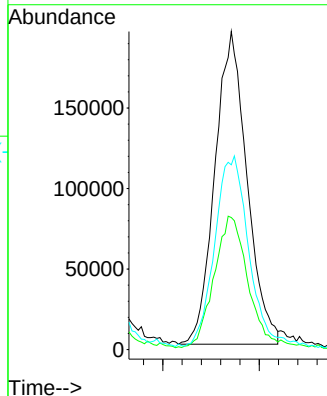
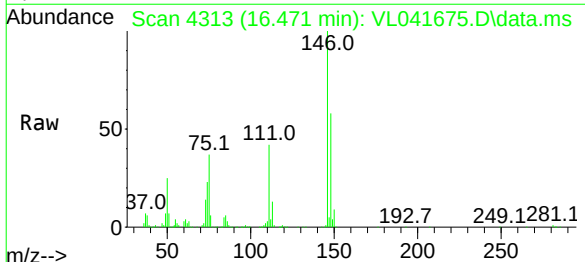
Manual Integrations
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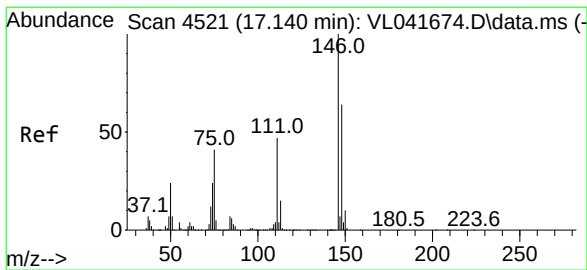
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#76
1,4-Dichlorobenzene
Concen: 2.091 ppbv
RT: 16.471 min Scan# 4313
Delta R.T. 0.000 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

Tgt Ion:146 Resp: 448788
Ion Ratio Lower Upper
146 100
111 47.2 22.1 66.3
148 67.7 33.3 99.8





#77

1,2-Dichlorobenzene

Concen: 2.149 ppbv

RT: 17.140 min Scan# 4521

Delta R.T. 0.000 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_L

ClientSampleId :

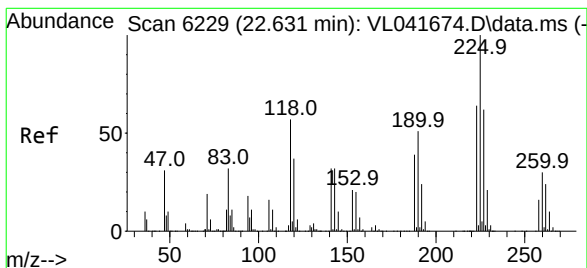
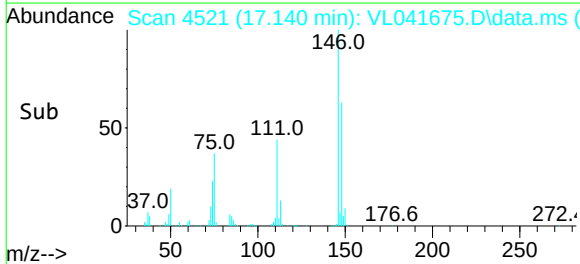
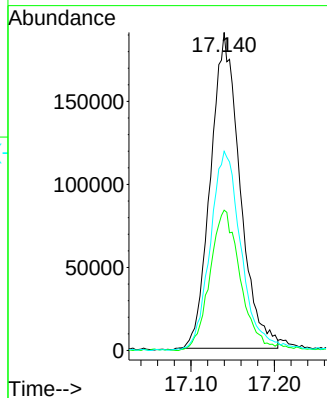
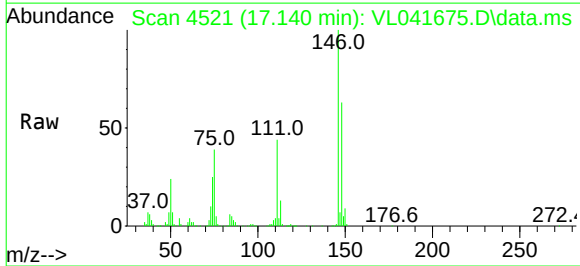
VSTDICC002

Tgt Ion:	146	Resp:	466190
Ion Ratio	Lower	Upper	
146	100		
111	47.4	23.4	70.3
148	67.2	32.1	96.5

Manual Integrations

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Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#78

Hexachloro-1,3-Butadiene

Concen: 2.144 ppbv

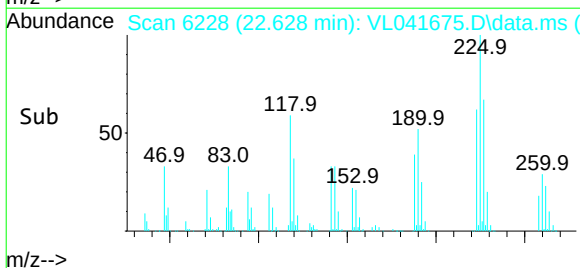
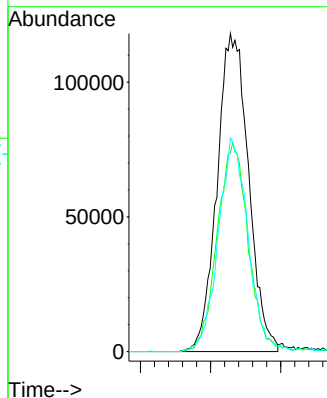
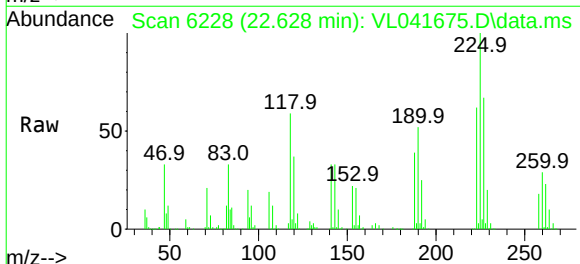
RT: 22.628 min Scan# 6228

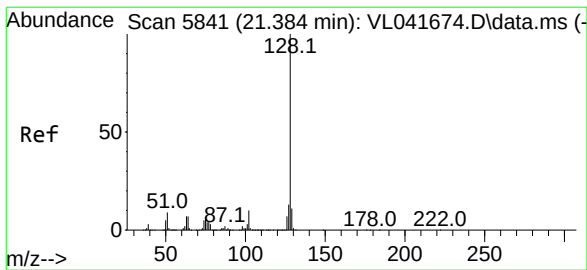
Delta R.T. -0.003 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Tgt Ion:	225	Resp:	367865
Ion Ratio	Lower	Upper	
225	100		
223	65.0	51.1	76.7
227	63.6	51.3	76.9





#79

Naphthalene

Concen: 2.478 ppbv

RT: 21.387 min Scan# 5841

Delta R.T. 0.003 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion:128 Resp: 538842

Ion Ratio Lower Upper

128 100

127 11.7 10.5 15.7

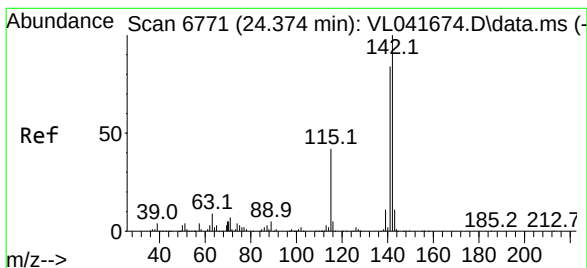
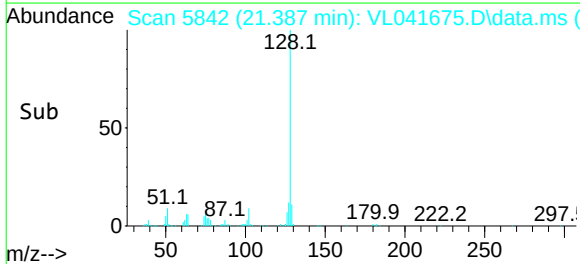
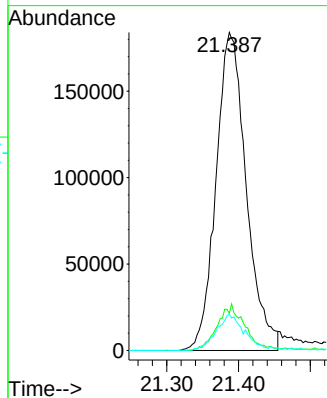
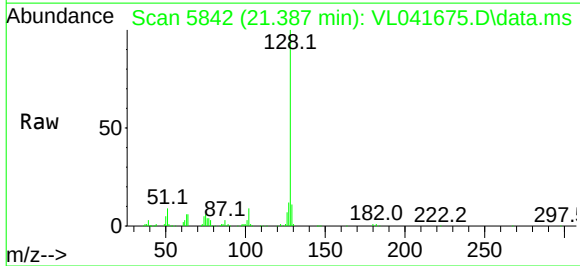
129 11.4 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024

Supervised By :Semsettin Yesilyurt 11/09/2024



#80

Naphthalene, 2-methyl-

Concen: 2.513 ppbv

RT: 24.381 min Scan# 6773

Delta R.T. 0.006 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

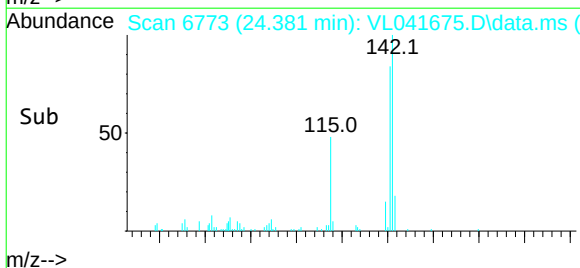
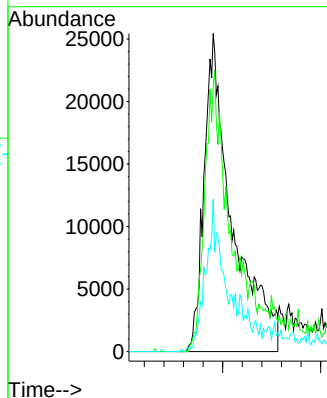
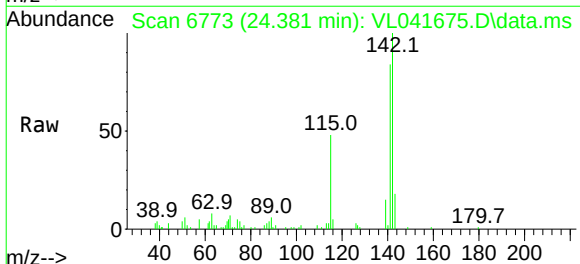
Tgt Ion:142 Resp: 101409

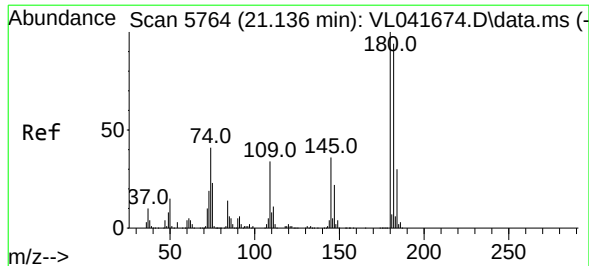
Ion Ratio Lower Upper

142 100

141 88.0 68.1 102.1

115 37.6 33.1 49.7





#81

1,2,4-Trichlorobenzene

Concen: 2.127 ppbv

RT: 21.143 min Scan# 57

Delta R.T. 0.006 min

Lab File: VL041675.D

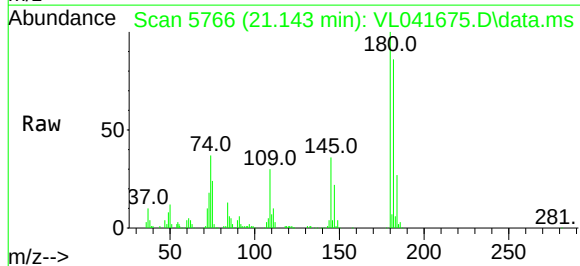
Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002



Tgt Ion:180 Resp: 287687

Ion Ratio Lower Upper

180 100

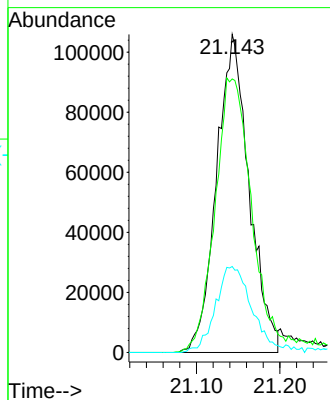
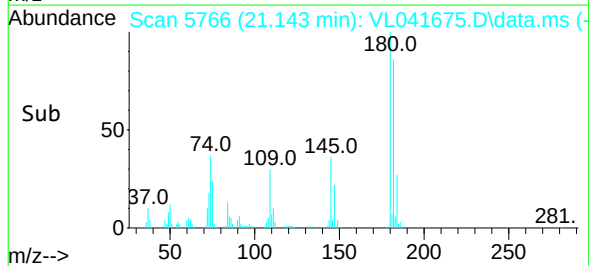
182 99.1 78.2 117.2

184 30.6 25.0 37.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
 Data File : VL041676.D
 Acq On : 7 Nov 2024 11:34
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Quant Time: Nov 08 00:10:33 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Fri Nov 08 00:07:44 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024
 Supervised By :Semsettin Yesilyurt 11/09/2024

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

Internal Standards						
1) Bromochloromethane	5.185	49	1184622	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	3332226	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	3067671	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.773	95	2285234	10.073	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.700%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.726	85	181618	0.848	ppbv	98
3) Chlorodifluoromethane	2.671	51	164131	1.063	ppbv	100
4) Chloromethane	2.812	50	86683	1.060	ppbv	100
5) Vinyl Chloride	2.915	62	78147	1.055	ppbv	100
6) Bromomethane	3.118	94	38811	0.995	ppbv	89
7) Chloroethane	3.195	64	27451	1.023	ppbv	94
8) Dichlorotetrafluoroethane	2.854	85	198669	1.039	ppbv	99
9) Propene	2.690	41	72231	1.074	ppbv	95
10) Heptane	7.574	43	148906	0.988	ppbv	96
11) Trichlorofluoromethane	3.562	101	194775	1.044	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.063	101	141527	1.044	ppbv	98
13) Ethanol	3.256	45	3961	0.947	ppbv #	48
14) Bromoethene	3.359	108	55094	1.011	ppbv #	92
15) Acetone	3.475	43	166255	1.140	ppbv	99
16) 1,3-Butadiene	2.980	39	67777m	0.927	ppbv	
17) tert-Butyl alcohol	3.883	59	153265	1.198	ppbv	99
18) 1,1-Dichloroethene	3.873	96	58180	0.979	ppbv	97
19) Isopropyl Alcohol	3.584	45	82398	1.168	ppbv #	91
20) Methylene Chloride	3.928	84	59394	1.107	ppbv	96
21) Allyl Chloride	3.992	41	95568	1.061	ppbv	98
22) trans-1,2-Dichloroethene	4.446	96	60981m	1.028	ppbv	
23) Vinyl Acetate	4.626	43	66087m	0.964	ppbv	
24) 1,1-Dichloroethane	4.555	63	132214	1.002	ppbv	99
25) Ethyl Acetate	5.205	43	316814	1.050	ppbv	98
26) Hexane	5.208	57	122113	1.053	ppbv	94
27) Carbon Disulfide	4.121	76	125113	0.961	ppbv	97
28) Methyl tert-Butyl Ether	4.587	73	79309	1.062	ppbv	98
29) Chloroform	5.269	83	197891	1.034	ppbv	100
30) Cyclohexane	6.597	84	88127	0.946	ppbv	89
31) cis-1,2-Dichloroethene	5.073	61	115115	1.032	ppbv	94
32) 1,1,1-Trichloroethane	5.996	97	186425	1.063	ppbv	100
34) 2-Butanone	4.790	43	166525	1.004	ppbv	99
35) Carbon Tetrachloride	6.491	117	187475	1.064	ppbv	96
36) Benzene	6.369	78	250318	1.014	ppbv	98
37) 1,2-Dichloroethane	5.803	62	144449	1.037	ppbv	100
38) Trichloroethene	7.288	130	96191	1.010	ppbv	93
39) 1,2-Dichloropropane	7.069	63	99780	1.023	ppbv	91
40) 1,4-Dioxane	7.311	88	35039m	1.014	ppbv	
41) Tetrahydrofuran	5.571	42	93643	0.989	ppbv	99
42) Bromodichloromethane	7.246	83	188568	0.974	ppbv	100
43) Methyl Methacrylate	7.478	69	78902	0.910	ppbv	90
44) 2,2,4-Trimethylpentane	7.327	57	435343	1.041	ppbv	98
45) t-1,3-Dichloropropene	8.709	75	70088m	0.904	ppbv	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
 Data File : VL041676.D
 Acq On : 7 Nov 2024 11:34
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024
 Supervised By :Semsettin Yesilyurt 11/09/2024

Quant Time: Nov 08 00:10:33 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Nov 08 00:07:44 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.143	75	101425	0.901	ppbv	95
47) 1,1,2-Trichloroethane	8.896	97	104883	0.997	ppbv	92
48) Dibromochloromethane	9.709	129	152757	0.952	ppbv	99
49) Bromoform	12.400	173	127488m	0.931	ppbv	
50) 4-Methyl-2-Pentanone	8.188	43	250885	0.985	ppbv	99
51) 2-Hexanone	9.571	43	165158	0.892	ppbv #	100
52) Tetrachloroethene	10.610	164	92977	1.102	ppbv	93
53) Toluene	9.217	91	253501	0.976	ppbv	98
54) 1,2-Dibromoethane	10.008	107	122096	0.994	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.510	131	133283	1.043	ppbv #	1
57) Chlorobenzene	11.523	112	239417	1.047	ppbv	97
58) Ethyl Benzene	12.089	91	334939	0.986	ppbv	91
59) m/p-Xylene	12.368	91	625077m	2.056	ppbv	
60) o-Xylene	13.053	91	293793	1.012	ppbv	100
61) Styrene	12.892	104	102947	0.859	ppbv	96
62) Isopropylbenzene	14.031	105	468382	1.045	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.047	83	226867	1.074	ppbv	97
64) n-propylbenzene	14.915	120	115677	0.987	ppbv	82
65) tert-Butylbenzene	16.092	119	424019	1.053	ppbv	98
66) Benzyl Chloride	16.326	91	26944m	0.929	ppbv	
67) sec-Butylbenzene	16.638	105	596449	1.051	ppbv	99
69) p-Isopropyltoluene	16.998	119	480893	1.048	ppbv	99
70) n-Butylbenzene	17.889	91	484367	1.030	ppbv	97
71) 2-Chlorotoluene	14.799	91	331921	1.024	ppbv	99
72) 4-Ethyltoluene	15.191	105	327541	0.972	ppbv	98
73) 1,3,5-Trimethylbenzene	15.352	105	290287	0.982	ppbv	93
74) 1,2,4-Trimethylbenzene	16.111	105	360083	1.047	ppbv #	89
75) 1,3-Dichlorobenzene	16.326	146	218228	1.028	ppbv	99
76) 1,4-Dichlorobenzene	16.471	146	203100	0.973	ppbv	95
77) 1,2-Dichlorobenzene	17.143	146	221404	1.050	ppbv	98
78) Hexachloro-1,3-Butadiene	22.632	225	190183m	1.140	ppbv	
79) Naphthalene	21.394	128	226301m	1.070	ppbv	
80) Naphthalene,2-methyl-	24.374	142	39140m	0.998	ppbv	
81) 1,2,4-Trichlorobenzene	21.146	180	138641m	1.054	ppbv	

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

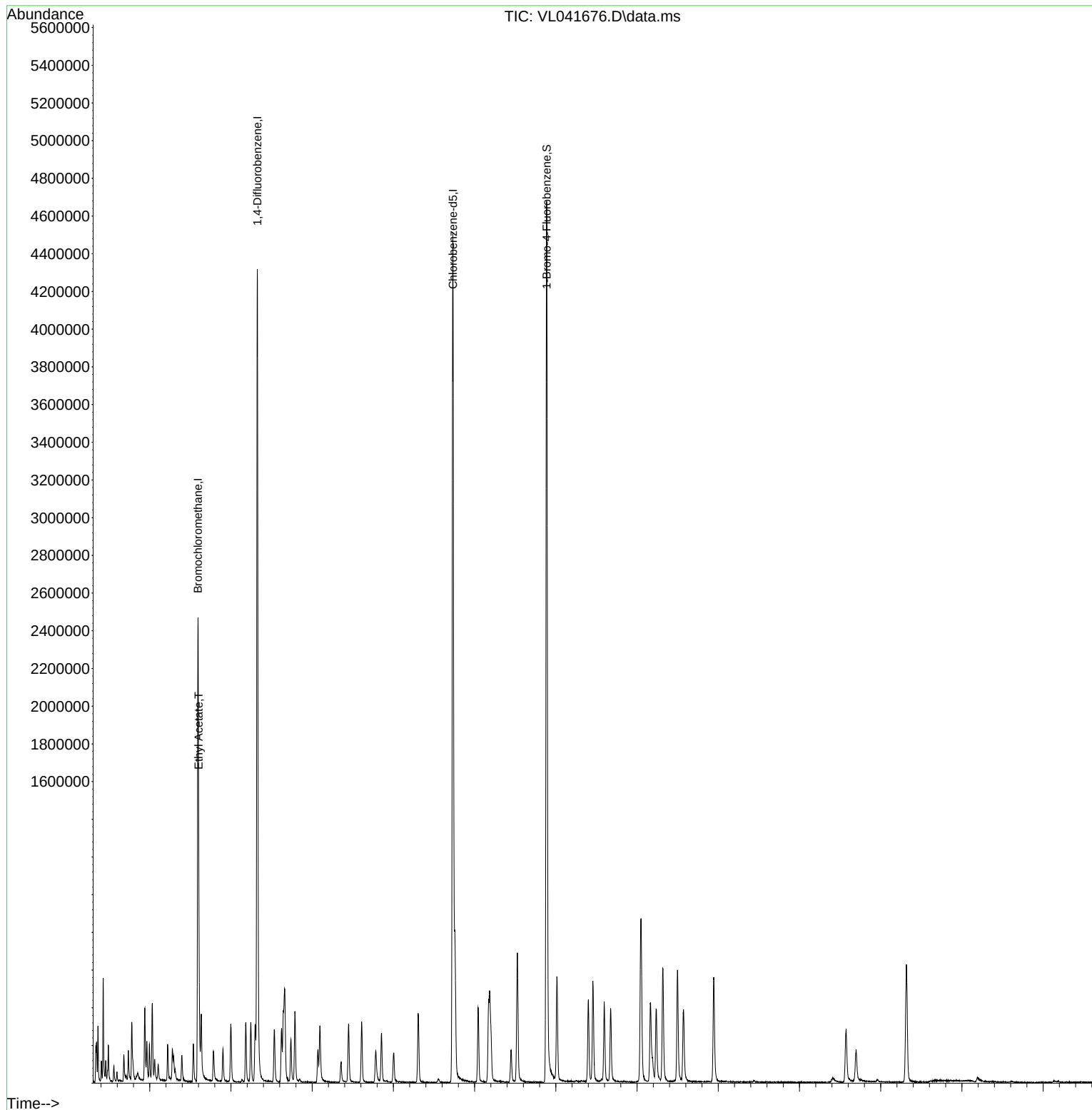
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Data File : VL041676.D
Acq On : 7 Nov 2024 11:34
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

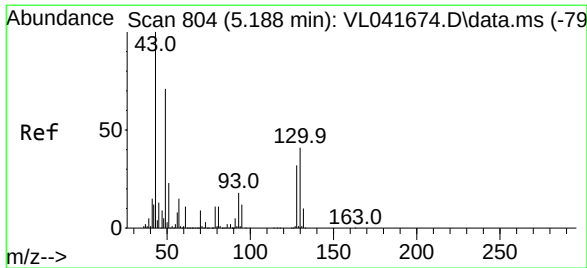
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024

Quant Time: Nov 08 00:10:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Nov 08 00:07:44 2024
Response via : Initial Calibration





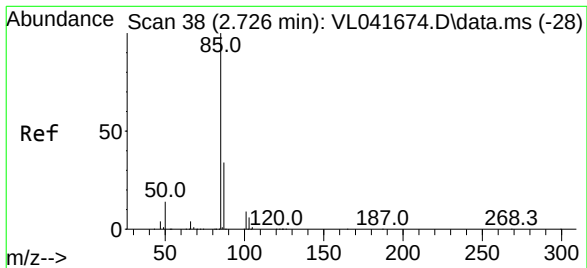
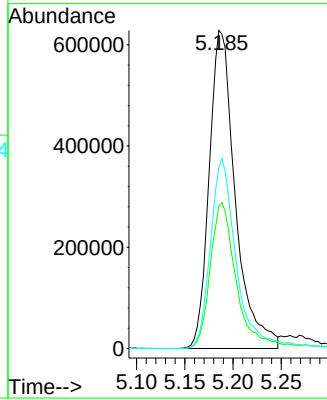
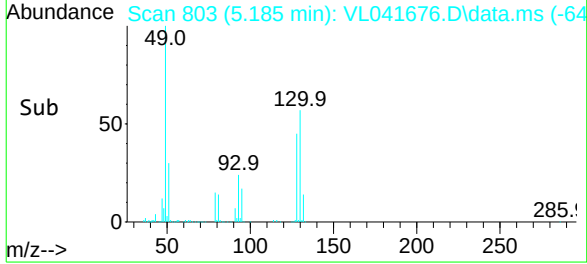
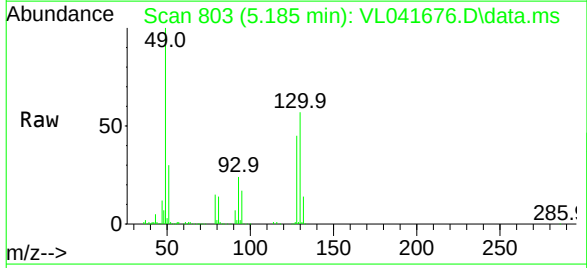
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.185 min Scan# 804
Delta R.T. -0.003 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 49 Resp: 1184622
Ion Ratio Lower Upper
49 100
128 47.2 23.8 71.2
130 61.0 30.1 90.5

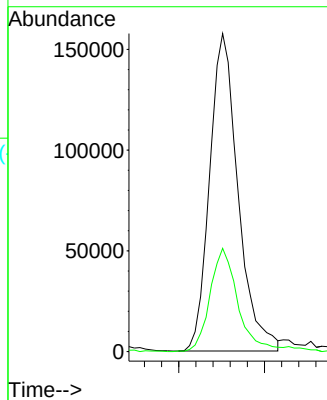
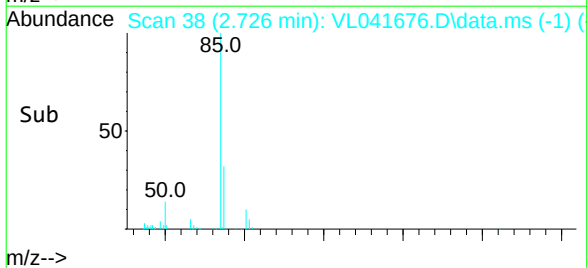
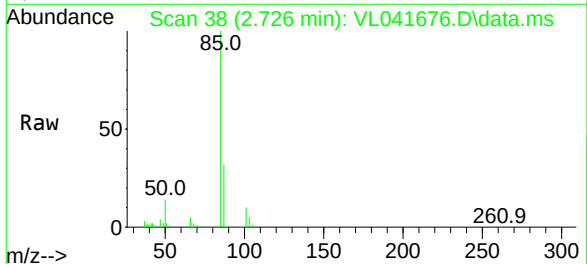
Manual Integrations
APPROVED

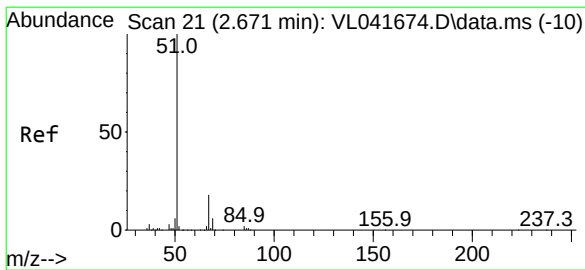
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#2
Dichlorodifluoromethane
Concen: 0.848 ppbv
RT: 2.726 min Scan# 38
Delta R.T. 0.000 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

Tgt Ion: 85 Resp: 181618
Ion Ratio Lower Upper
85 100
87 32.3 26.8 40.2





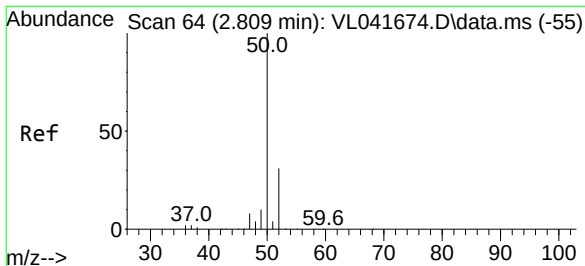
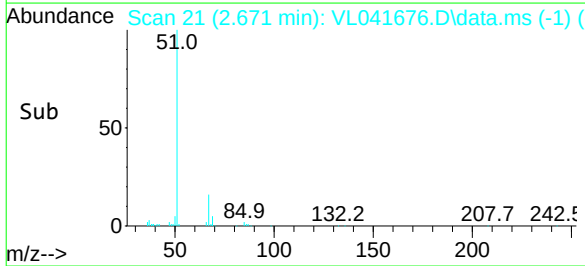
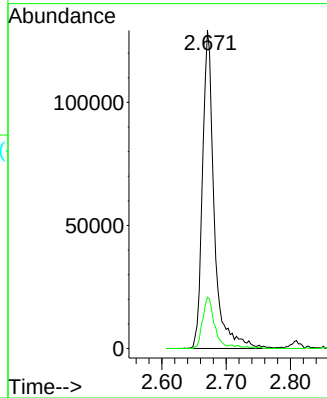
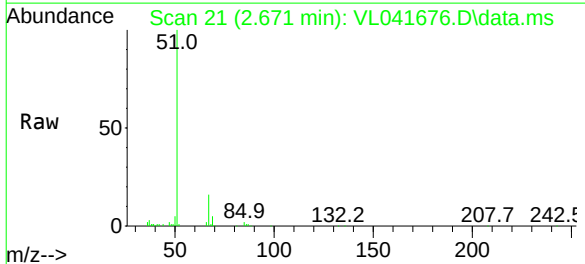
#3
Chlorodifluoromethane
Concen: 1.063 ppbv
RT: 2.671 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 51 Resp: 164131
Ion Ratio Lower Upper
51 100
67 17.3 13.9 20.9

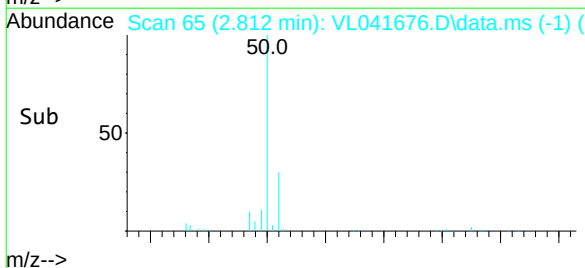
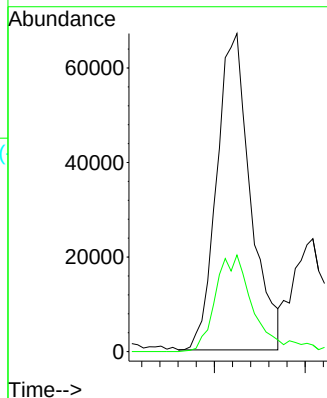
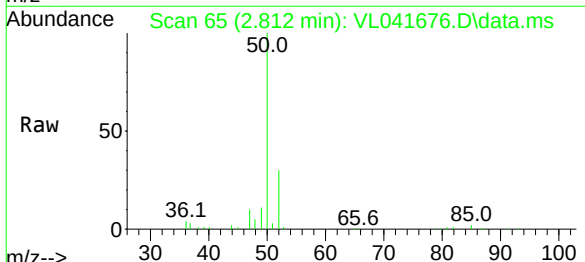
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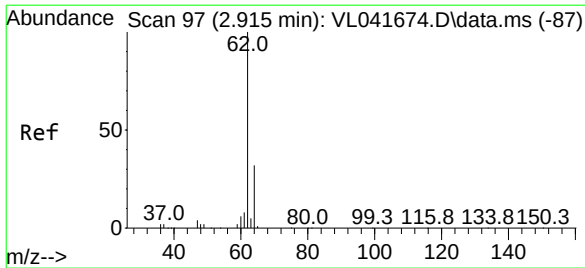
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#4
Chloromethane
Concen: 1.060 ppbv
RT: 2.812 min Scan# 65
Delta R.T. 0.003 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

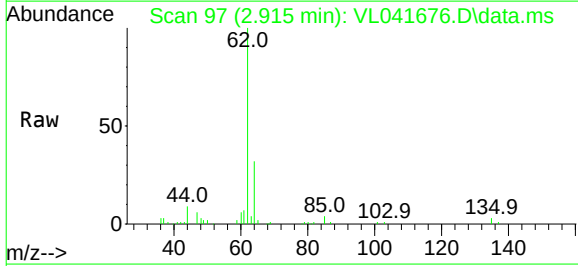
Tgt Ion: 50 Resp: 86683
Ion Ratio Lower Upper
50 100
52 31.2 24.9 37.3





#5
 Vinyl Chloride
 Concen: 1.055 ppbv
 RT: 2.915 min Scan# 97
 Delta R.T. 0.000 min
 Lab File: VL041676.D
 Acq: 7 Nov 2024 11:34

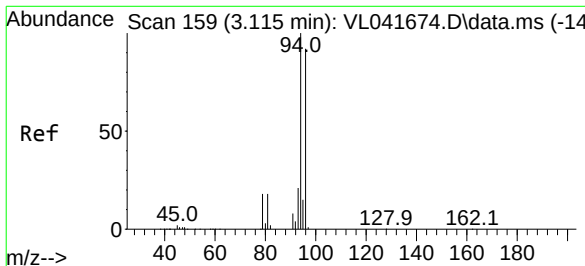
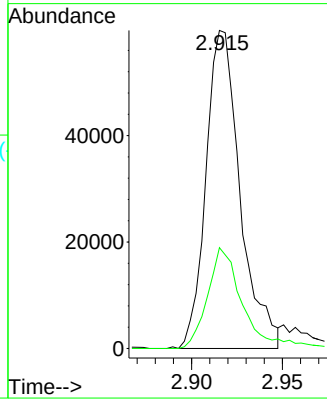
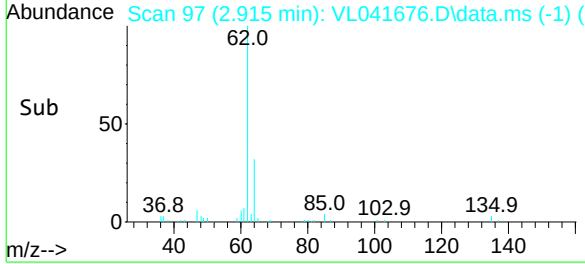
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001



Tgt Ion: 62 Resp: 78147
 Ion Ratio Lower Upper
 62 100
 64 31.7 25.4 38.2

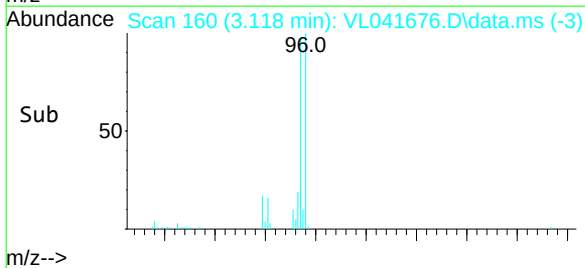
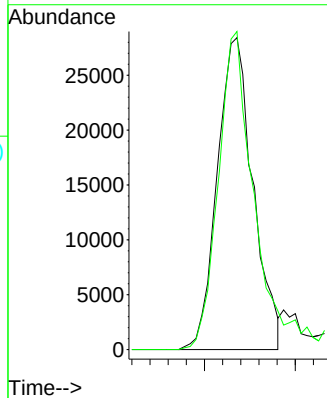
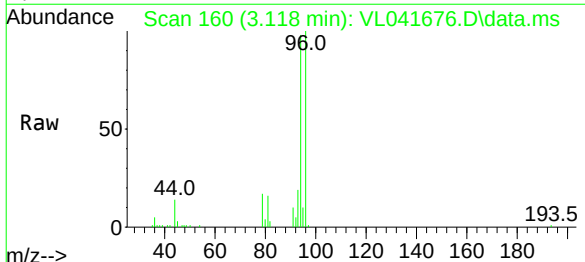
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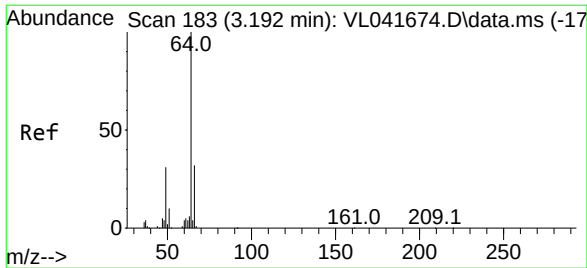
Reviewed By :Mahesh Dadoda 11/09/2024
 Supervised By :Semsettin Yesilyurt 11/09/2024



#6
 Bromomethane
 Concen: 0.995 ppbv
 RT: 3.118 min Scan# 160
 Delta R.T. 0.003 min
 Lab File: VL041676.D
 Acq: 7 Nov 2024 11:34

Tgt Ion: 94 Resp: 38811
 Ion Ratio Lower Upper
 94 100
 96 102.0 73.4 110.2





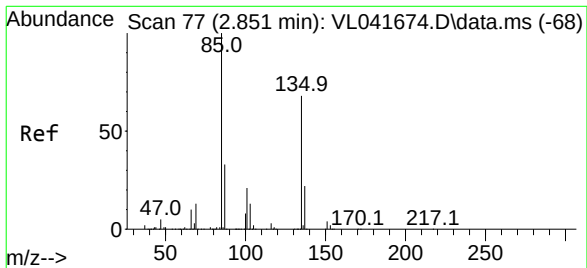
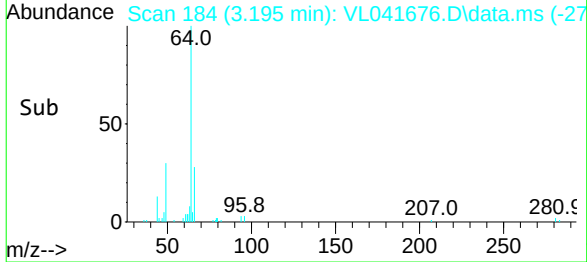
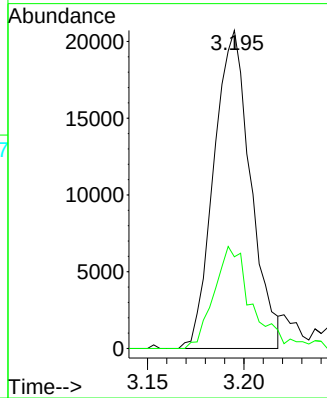
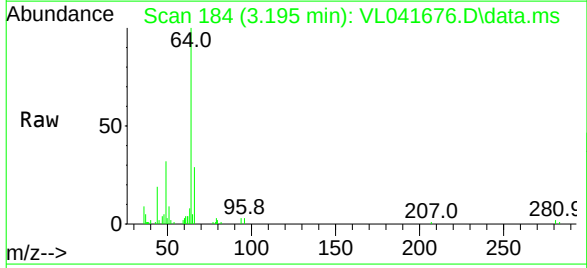
#7
Chloroethane
Concen: 1.023 ppbv
RT: 3.195 min Scan# 183
Delta R.T. 0.003 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 64 Resp: 27451
Ion Ratio Lower Upper
64 100
66 28.8 25.9 38.9

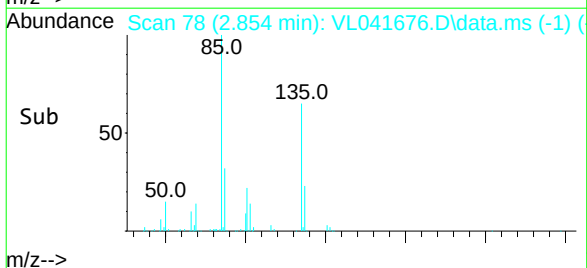
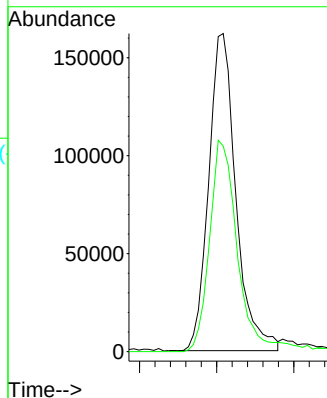
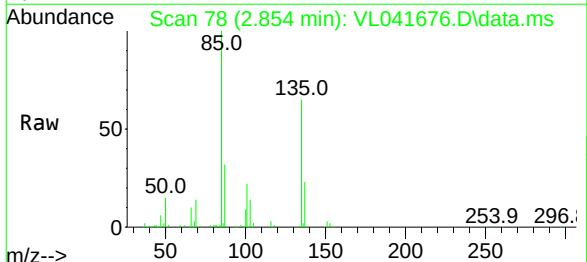
Manual Integrations
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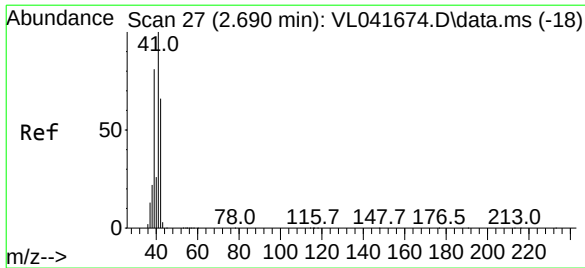
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#8
Dichlorotetrafluoroethane
Concen: 1.039 ppbv
RT: 2.854 min Scan# 78
Delta R.T. 0.003 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

Tgt Ion: 85 Resp: 198669
Ion Ratio Lower Upper
85 100
135 70.3 55.5 83.3





#9

Propene

Concen: 1.074 ppbv

RT: 2.690 min Scan# 27

Delta R.T. 0.000 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

Tgt Ion: 41 Resp: 72231

Ion Ratio Lower Upper

41 100

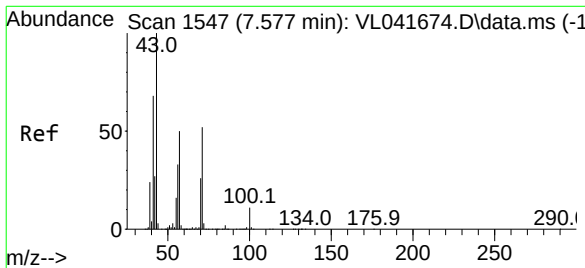
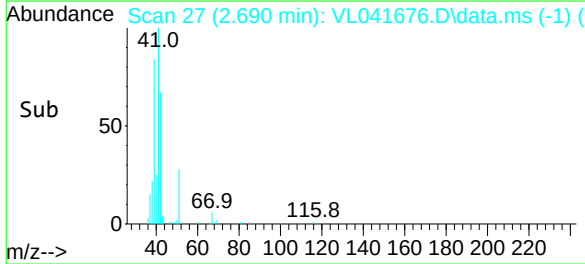
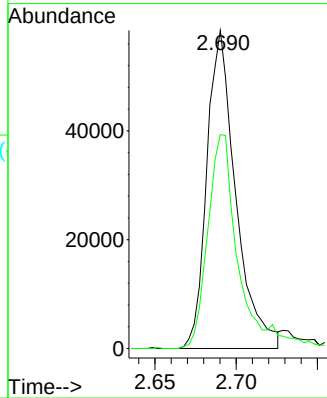
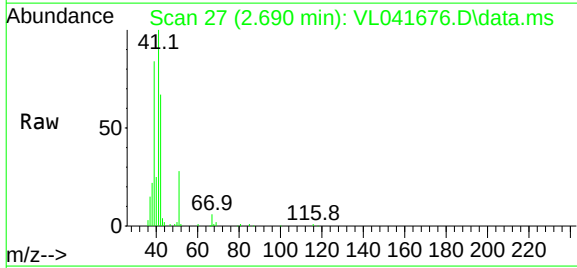
42 72.6 55.0 82.4

Manual Integrations

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Reviewed By :Mahesh Dadoda 11/09/2024

Supervised By :Semsettin Yesilyurt 11/09/2024



#10

Heptane

Concen: 0.988 ppbv

RT: 7.574 min Scan# 1546

Delta R.T. -0.003 min

Lab File: VL041676.D

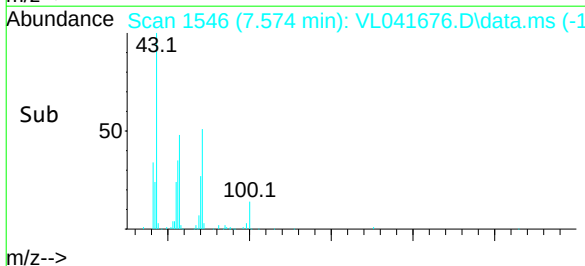
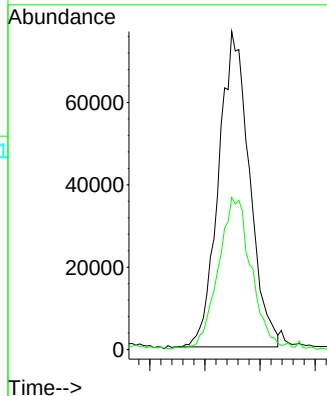
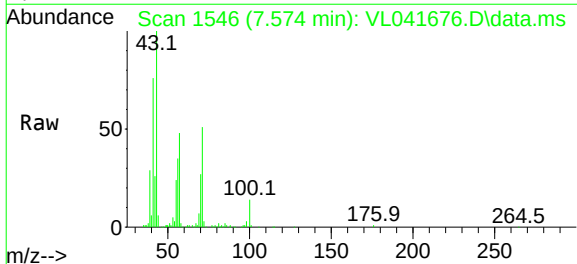
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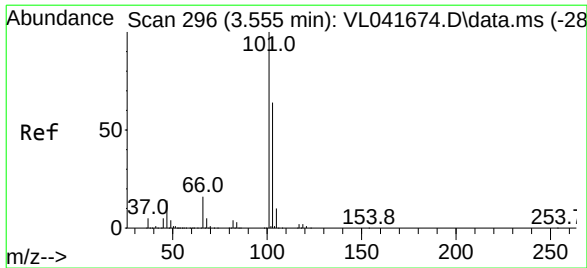
Tgt Ion: 43 Resp: 148906

Ion Ratio Lower Upper

43 100

57 52.6 40.0 60.0





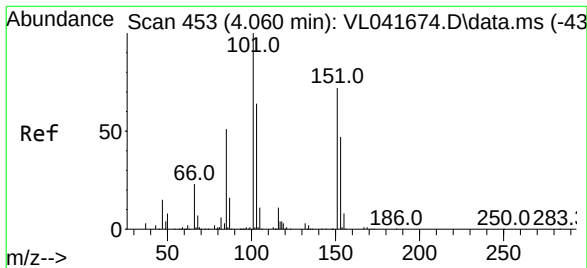
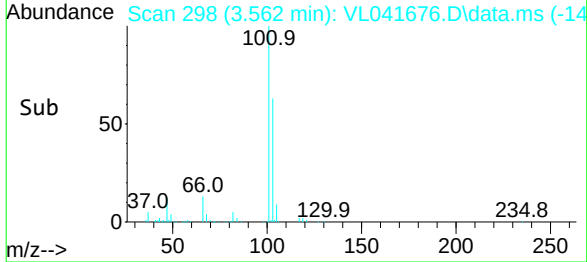
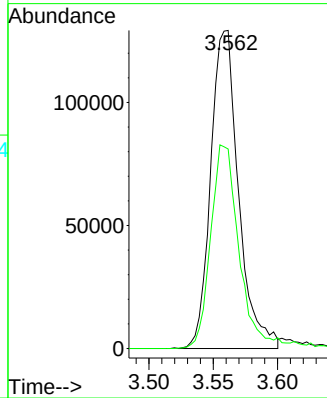
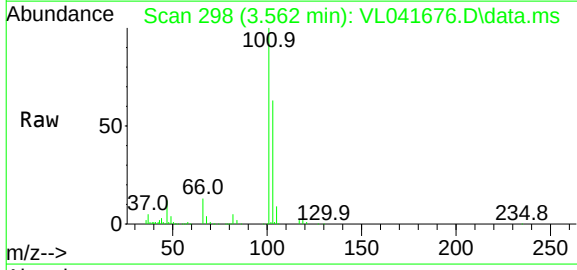
#11
Trichlorofluoromethane
Concen: 1.044 ppbv
RT: 3.562 min Scan# 296
Delta R.T. 0.007 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 194775
Ion Ratio Lower Upper
101 100
103 62.6 51.0 76.6

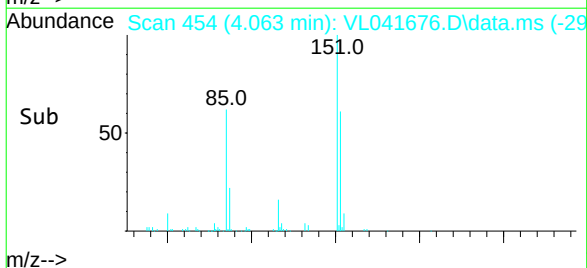
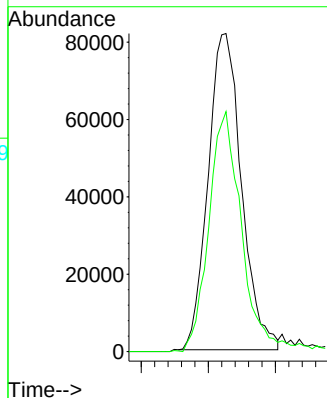
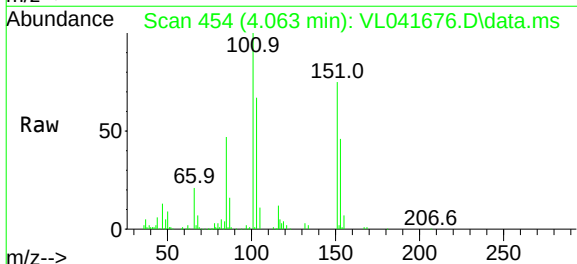
Manual Integrations
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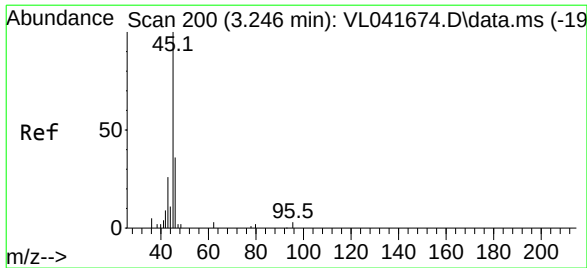
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#12
1,1,2-Trichlorotrifluoroethane
Concen: 1.044 ppbv
RT: 4.063 min Scan# 454
Delta R.T. 0.003 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

Tgt Ion:101 Resp: 141527
Ion Ratio Lower Upper
101 100
151 75.7 59.1 88.7





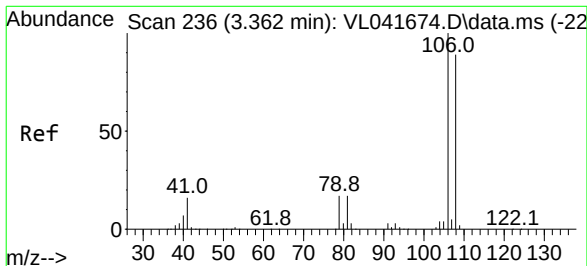
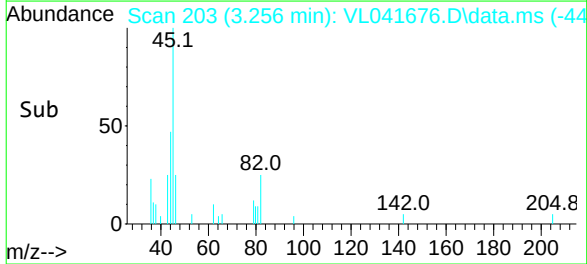
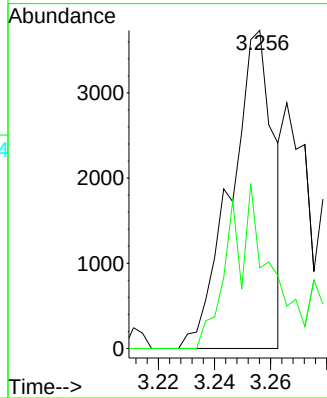
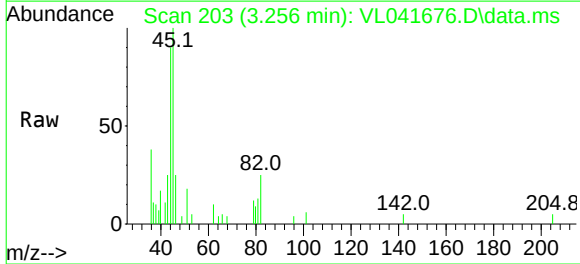
#13
Ethanol
Concen: 0.947 ppbv
RT: 3.256 min Scan# 200
Delta R.T. 0.010 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 45 Resp: 3961
Ion Ratio Lower Upper
45 100
46 64.4 13.8 55.2#

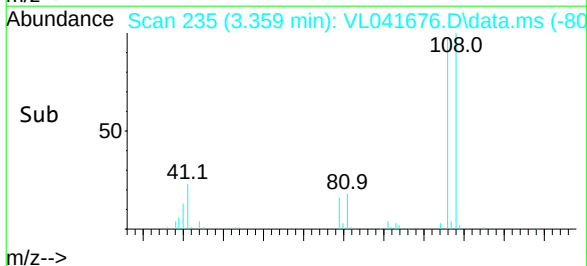
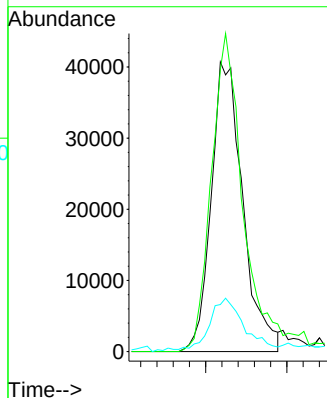
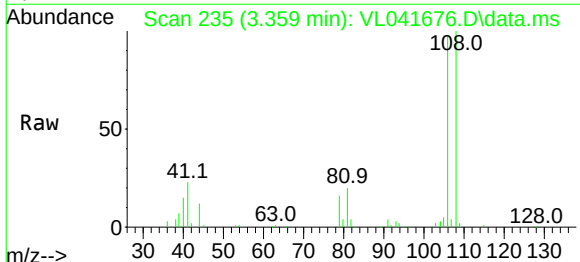
Manual Integrations
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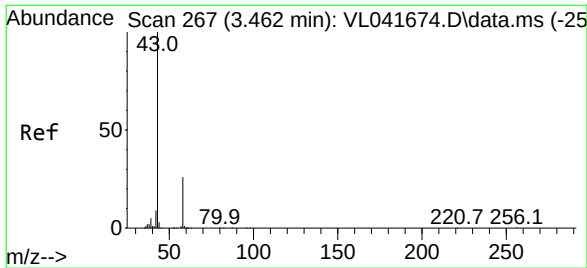
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#14
Bromoethene
Concen: 1.011 ppbv
RT: 3.359 min Scan# 235
Delta R.T. -0.003 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

Tgt Ion:108 Resp: 55094
Ion Ratio Lower Upper
108 100
106 117.6 88.6 133.0
79 26.0 15.6 23.4#





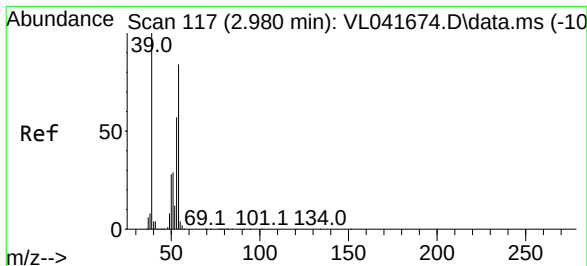
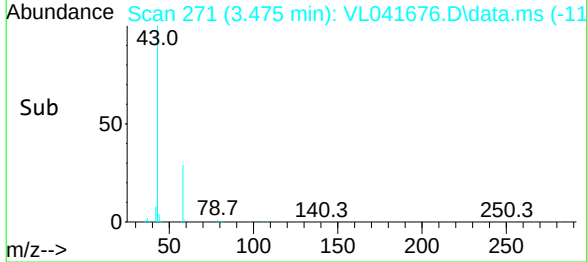
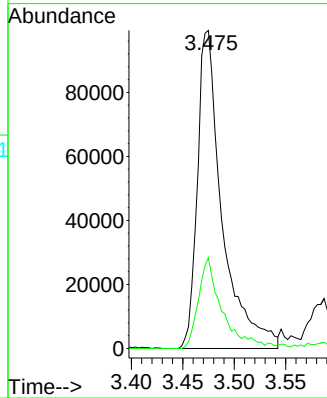
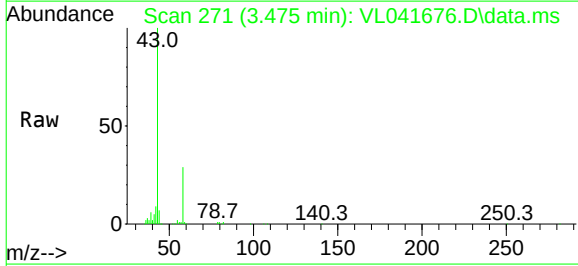
#15
Acetone
Concen: 1.140 ppbv
RT: 3.475 min Scan# 271
Delta R.T. 0.013 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 166255
Ion Ratio Lower Upper
43 100
58 27.3 21.4 32.0

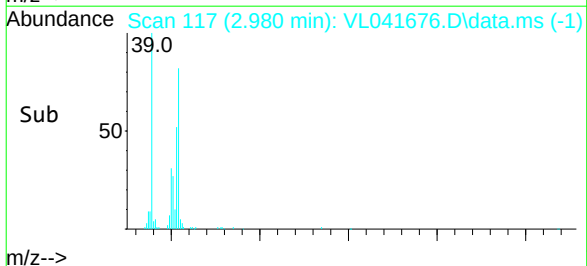
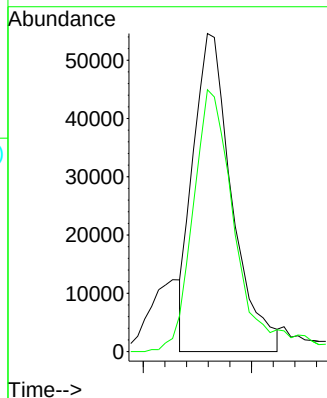
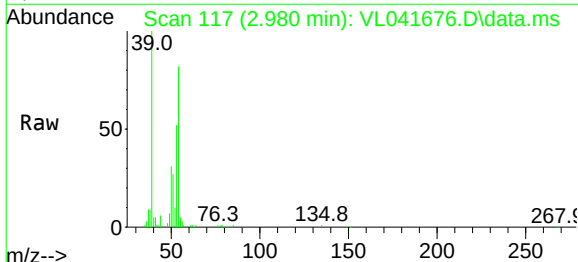
Manual Integrations
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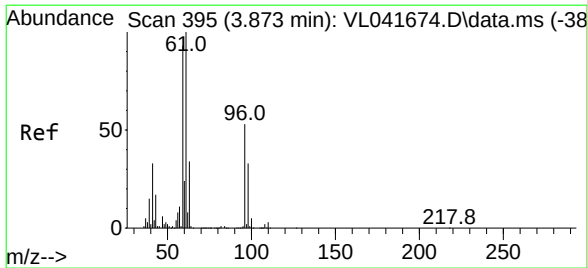
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#16
1,3-Butadiene
Concen: 0.927 ppbv m
RT: 2.980 min Scan# 117
Delta R.T. 0.000 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

Tgt Ion: 39 Resp: 67777
Ion Ratio Lower Upper
39 100
54 92.3 61.3 91.9#





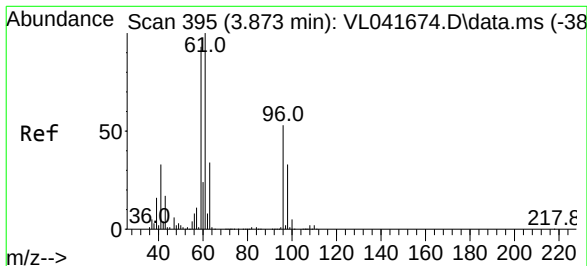
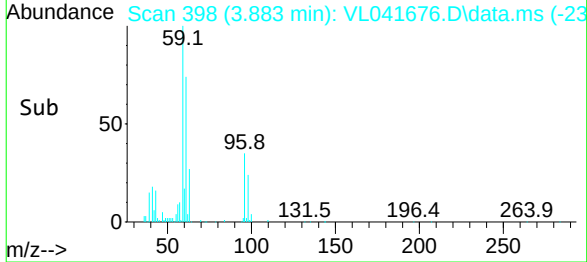
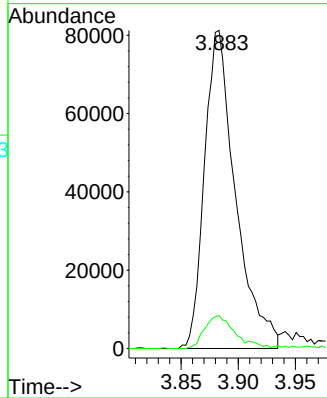
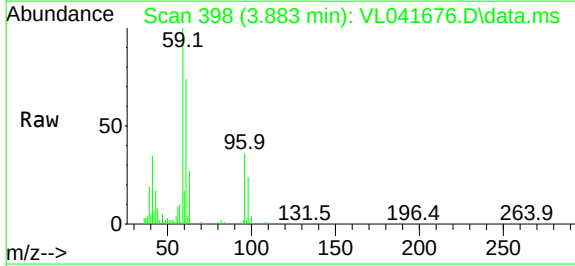
#17
tert-Butyl alcohol
Concen: 1.198 ppbv
RT: 3.883 min Scan# 395
Delta R.T. 0.010 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 153265
Ion Ratio Lower Upper
59 100
57 10.2 8.5 12.7

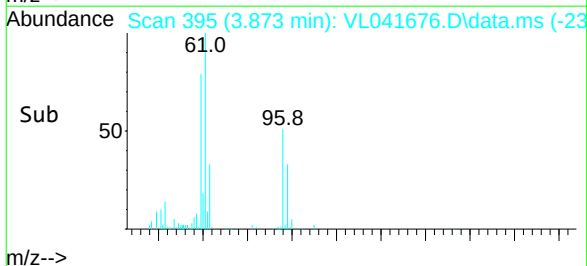
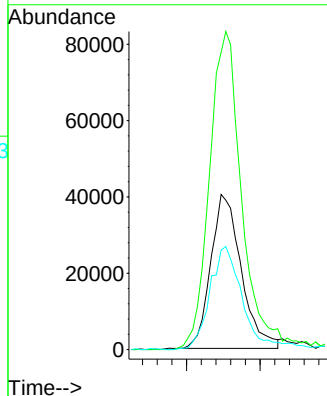
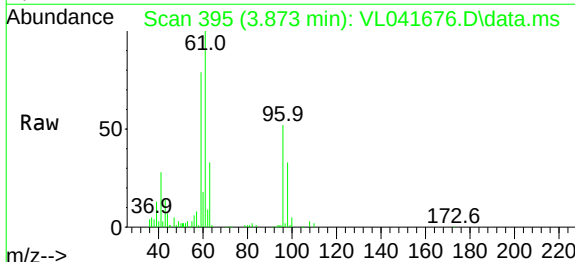
Manual Integrations
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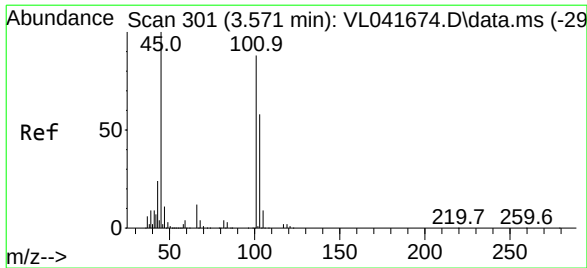
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#18
1,1-Dichloroethene
Concen: 0.979 ppbv
RT: 3.873 min Scan# 395
Delta R.T. 0.000 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

Tgt Ion: 96 Resp: 58180
Ion Ratio Lower Upper
96 100
61 191.9 150.7 226.1
98 64.0 49.4 74.2





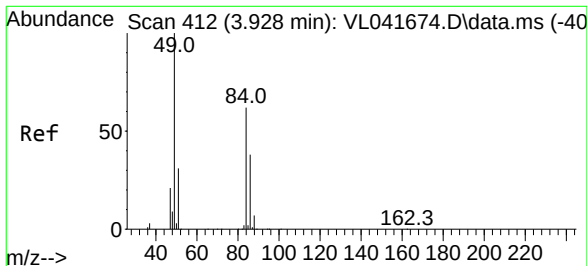
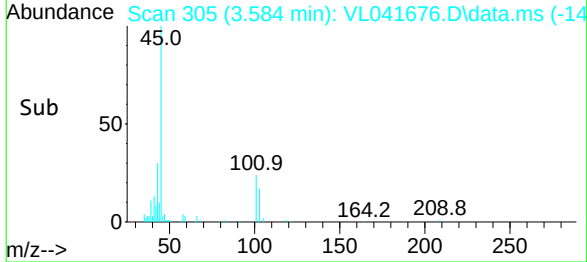
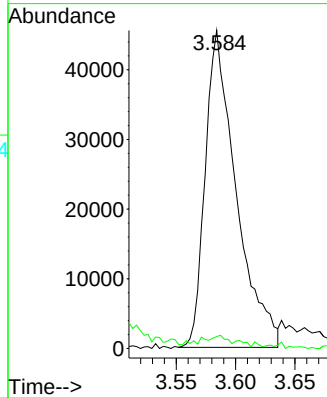
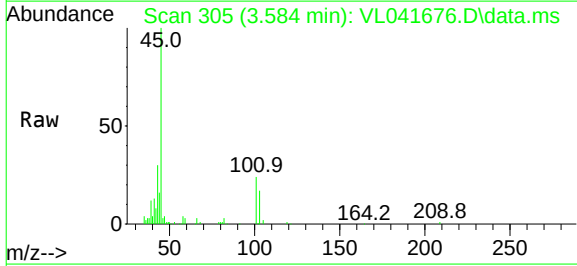
#19
Isopropyl Alcohol
Concen: 1.168 ppbv
RT: 3.584 min Scan# 301
Delta R.T. 0.013 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 45 Resp: 82398
Ion Ratio Lower Upper
45 100
58 6.2 2.5 3.7#

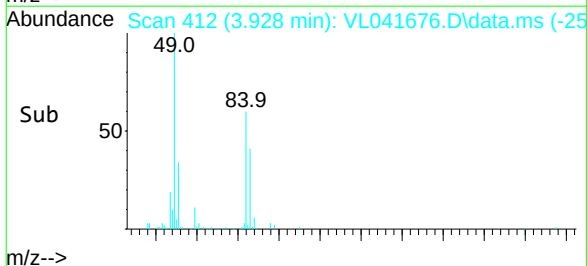
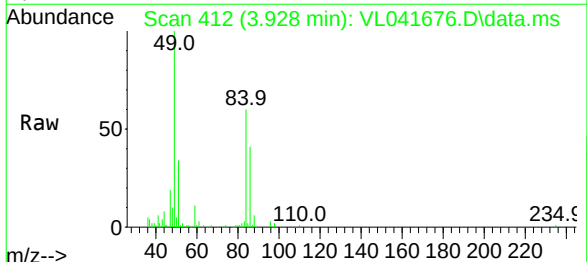
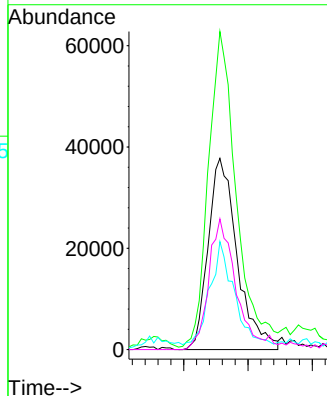
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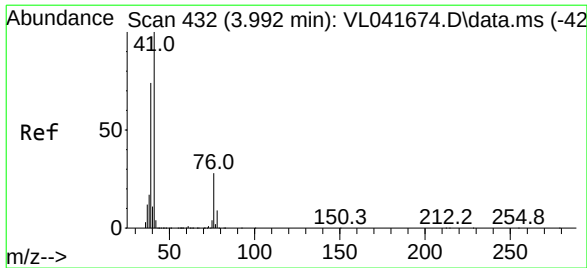
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#20
Methylene Chloride
Concen: 1.107 ppbv
RT: 3.928 min Scan# 412
Delta R.T. 0.000 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

Tgt Ion: 84 Resp: 59394
Ion Ratio Lower Upper
84 100
49 165.0 129.7 194.5
51 52.7 39.8 59.6
86 68.3 49.1 73.7





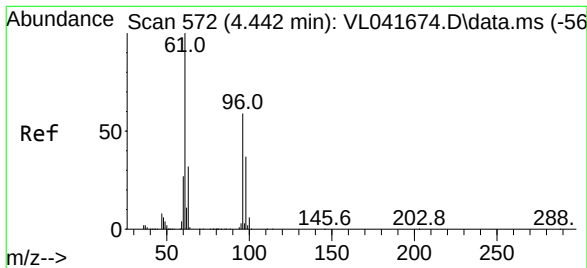
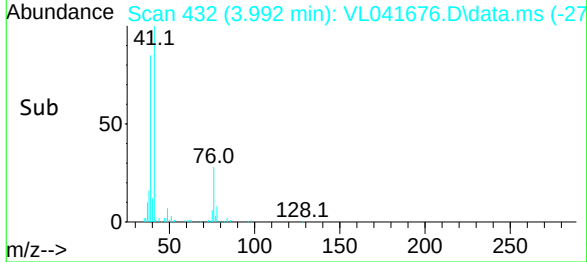
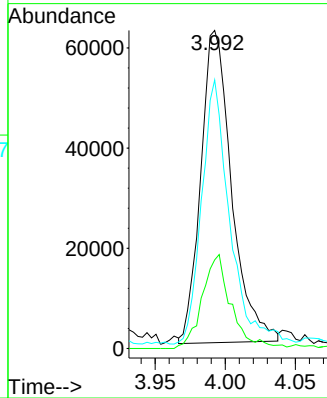
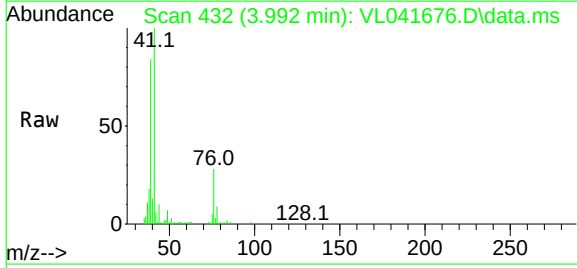
#21
 Allyl Chloride
 Concen: 1.061 ppbv
 RT: 3.992 min Scan# 43
 Delta R.T. 0.000 min
 Lab File: VL041676.D
 Acq: 7 Nov 2024 11:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion:	41	Resp:	95568
Ion	Ratio	Lower	Upper
41	100		
76	28.9	23.5	35.3
39	76.9	63.0	94.4

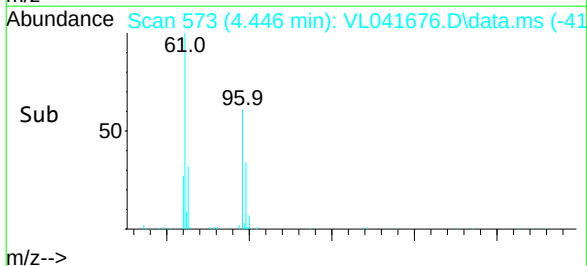
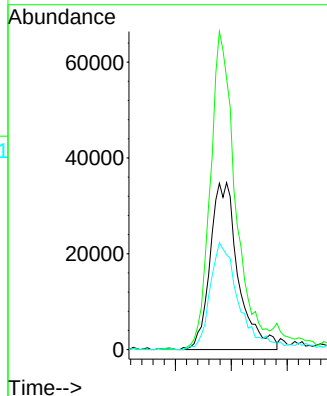
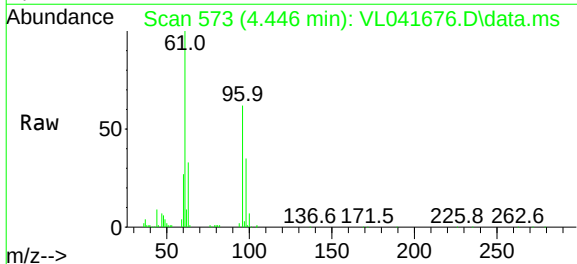
Manual Integrations
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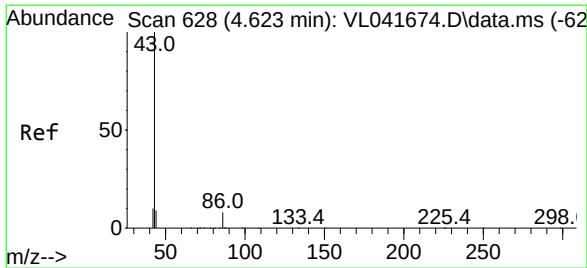
Reviewed By :Mahesh Dadoda 11/09/2024
 Supervised By :Semsettin Yesilyurt 11/09/2024



#22
 trans-1,2-Dichloroethene
 Concen: 1.028 ppbv m
 RT: 4.446 min Scan# 573
 Delta R.T. 0.003 min
 Lab File: VL041676.D
 Acq: 7 Nov 2024 11:34

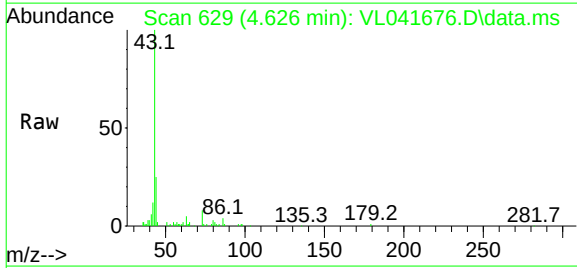
Tgt Ion:	96	Resp:	60981
Ion	Ratio	Lower	Upper
96	100		
61	162.5	134.5	201.7
98	56.8	49.6	74.4





#23
 Vinyl Acetate
 Concen: 0.964 ppbv m
 RT: 4.626 min Scan# 62
 Delta R.T. 0.003 min
 Lab File: VL041676.D
 Acq: 7 Nov 2024 11:34

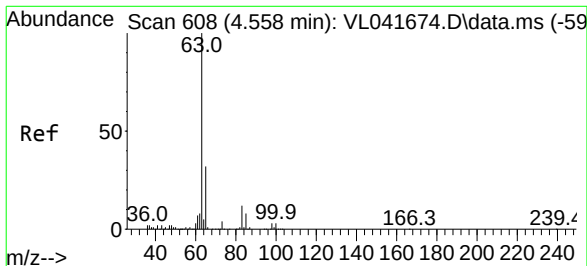
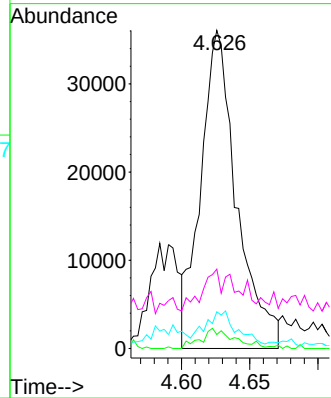
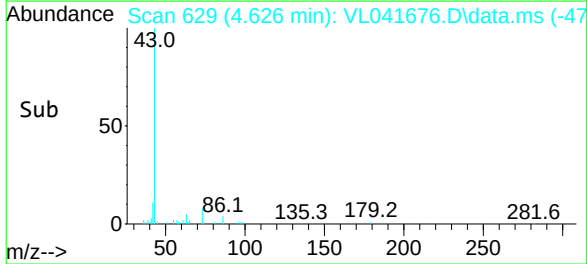
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



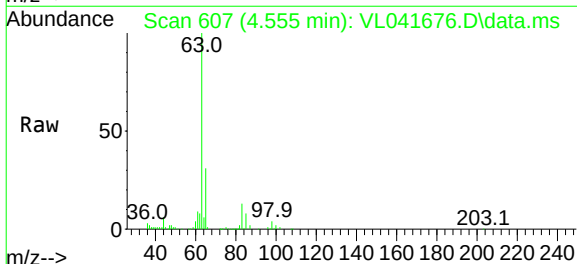
Tgt Ion: 43 Resp: 66087
 Ion Ratio Lower Upper
 43 100
 86 4.4 5.3 7.9#
 42 11.5 8.5 12.7
 44 25.0 6.7 10.1#

Manual Integrations
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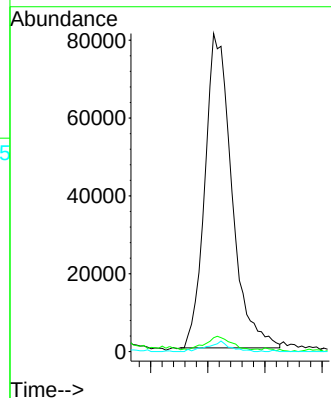
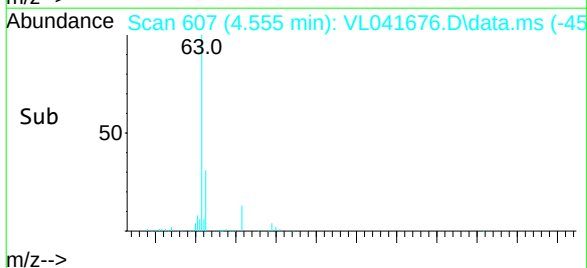
Reviewed By :Mahesh Dadoda 11/09/2024
 Supervised By :Semsettin Yesilyurt 11/09/2024

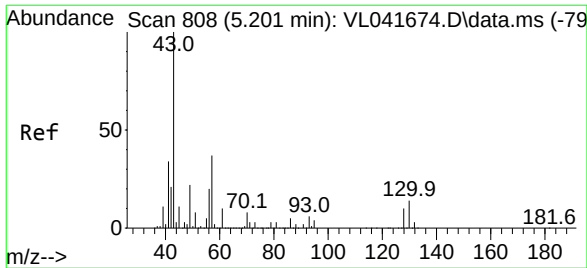


#24
 1,1-Dichloroethane
 Concen: 1.002 ppbv
 RT: 4.555 min Scan# 607
 Delta R.T. -0.003 min
 Lab File: VL041676.D
 Acq: 7 Nov 2024 11:34



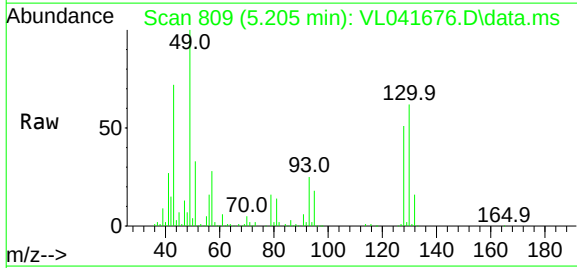
Tgt Ion: 63 Resp: 132214
 Ion Ratio Lower Upper
 63 100
 98 3.8 1.8 5.4
 100 2.1 1.4 4.2





#25
Ethyl Acetate
Concen: 1.050 ppbv
RT: 5.205 min Scan# 809
Delta R.T. 0.003 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

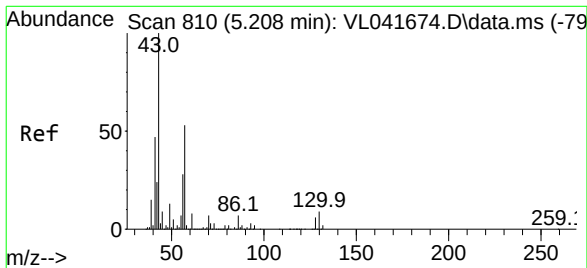
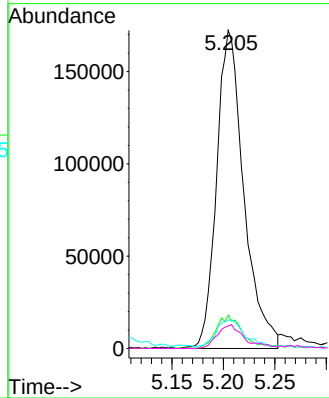
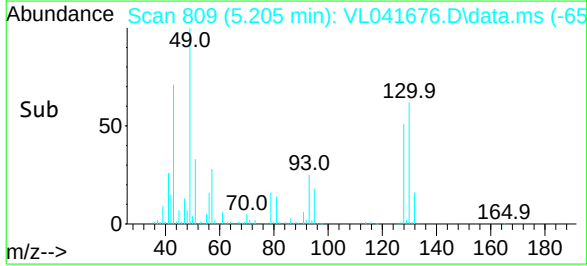
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion: 43 Resp: 316814
Ion Ratio Lower Upper
43 100
45 11.0 8.6 13.0
61 9.5 8.4 12.6
70 8.4 5.8 8.6

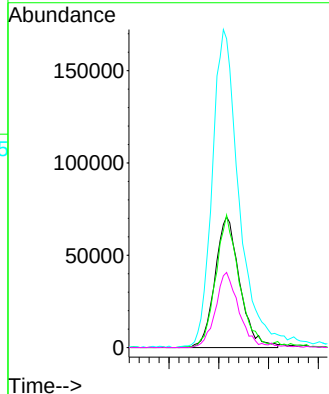
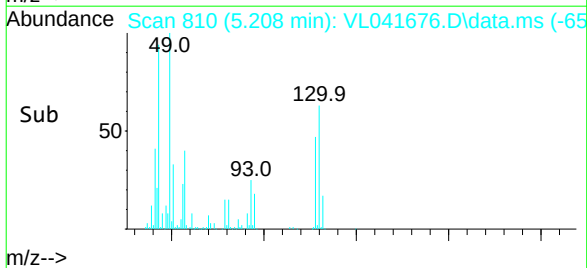
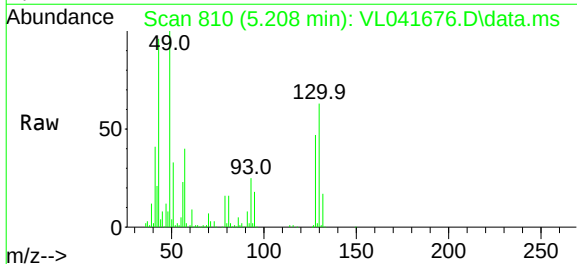
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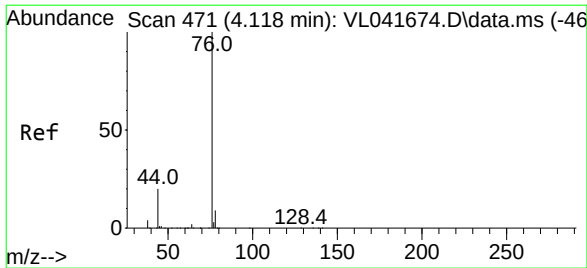
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#26
Hexane
Concen: 1.053 ppbv
RT: 5.208 min Scan# 810
Delta R.T. 0.000 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

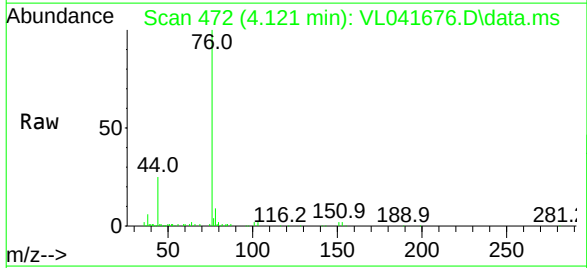
Tgt Ion: 57 Resp: 122113
Ion Ratio Lower Upper
57 100
41 100.9 76.1 114.1
43 271.9 207.0 310.6
56 55.8 43.7 65.5





#27
Carbon Disulfide
Concen: 0.961 ppbv
RT: 4.121 min Scan# 471
Delta R.T. 0.003 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

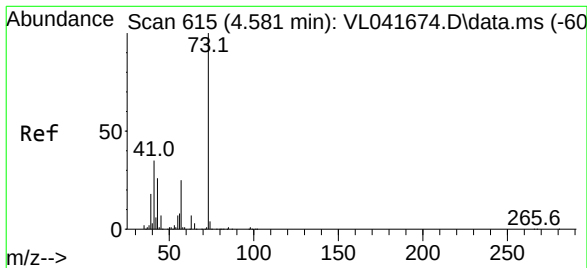
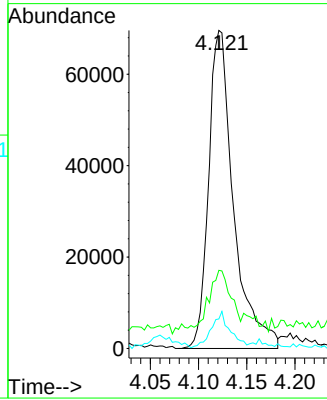
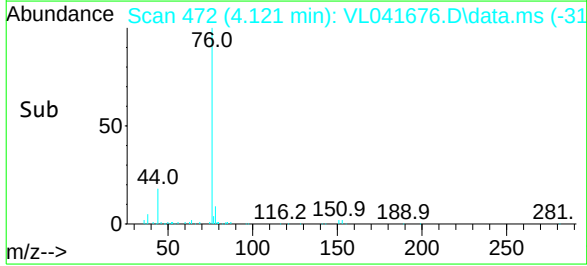
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



Tgt Ion: 76 Resp: 125113
Ion Ratio Lower Upper
76 100
44 21.0 15.8 23.8
78 10.6 7.5 11.3

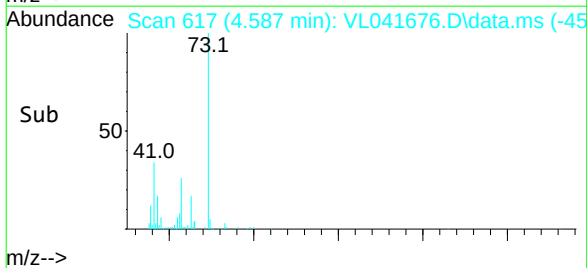
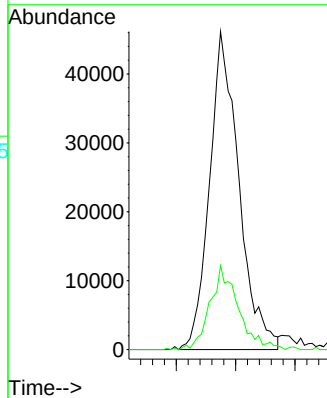
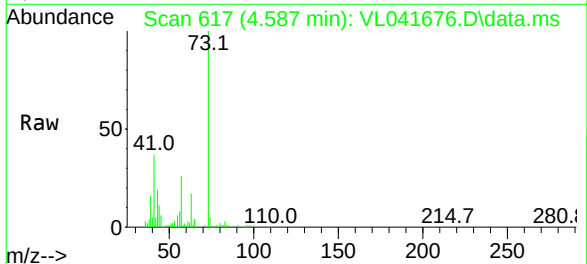
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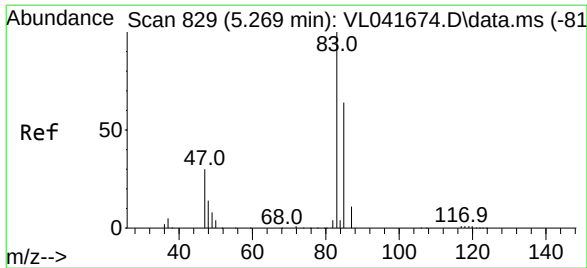
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#28
Methyl tert-Butyl Ether
Concen: 1.062 ppbv
RT: 4.587 min Scan# 617
Delta R.T. 0.007 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

Tgt Ion: 73 Resp: 79309
Ion Ratio Lower Upper
73 100
57 25.7 19.6 29.4





#29

Chloroform

Concen: 1.034 ppbv

RT: 5.269 min Scan# 829

Delta R.T. 0.000 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 83 Resp: 197891

Ion Ratio Lower Upper

83 100

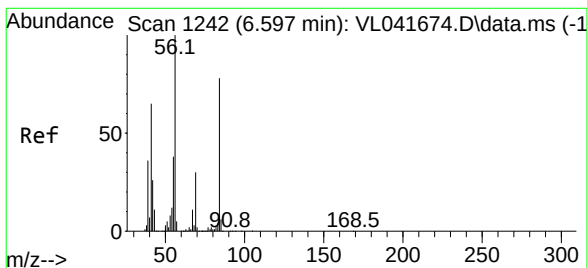
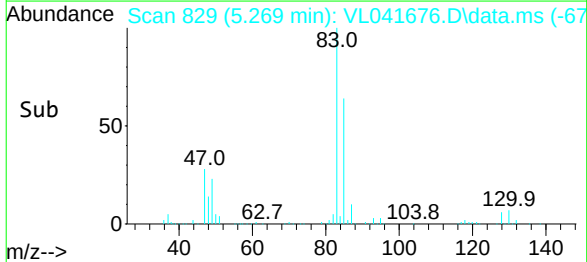
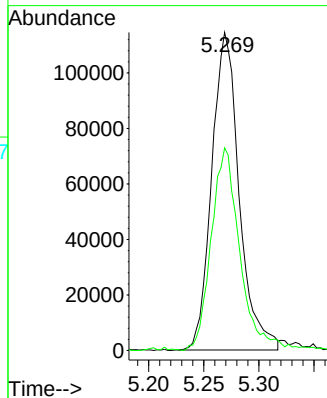
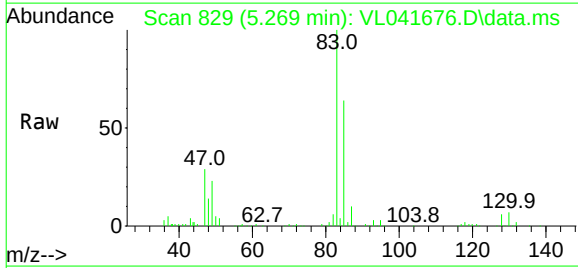
85 63.6 51.1 76.7

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Reviewed By :Mahesh Dadoda 11/09/2024

Supervised By :Semsettin Yesilyurt 11/09/2024



#30

Cyclohexane

Concen: 0.946 ppbv

RT: 6.597 min Scan# 1242

Delta R.T. 0.000 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

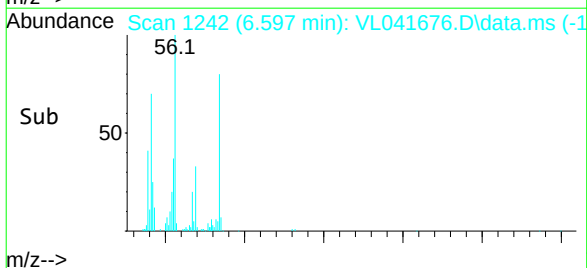
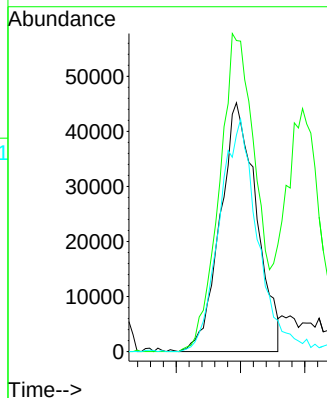
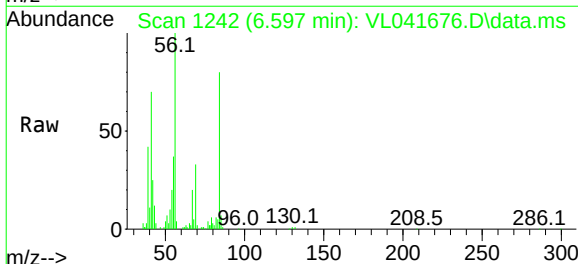
Tgt Ion: 84 Resp: 88127

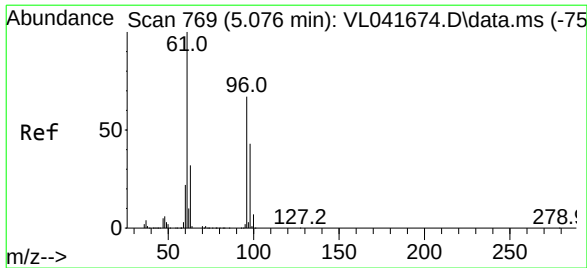
Ion Ratio Lower Upper

84 100

56 127.9 110.8 166.2

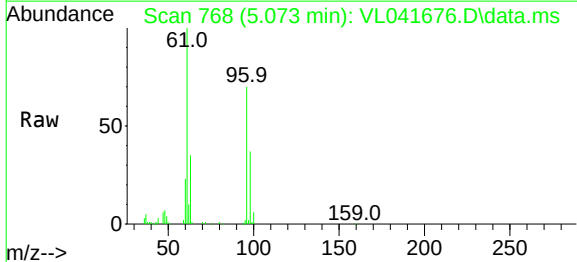
41 100.1 70.0 105.0





#31
cis-1,2-Dichloroethene
Concen: 1.032 ppbv
RT: 5.073 min Scan# 769
Delta R.T. -0.003 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

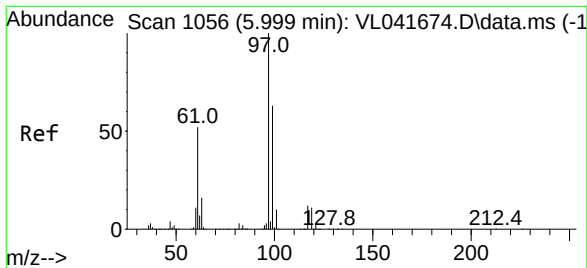
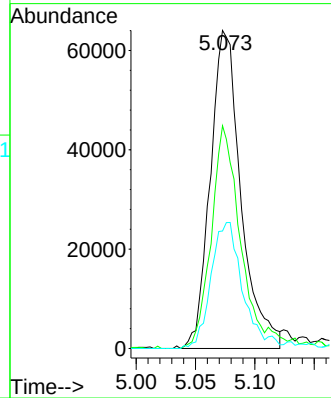
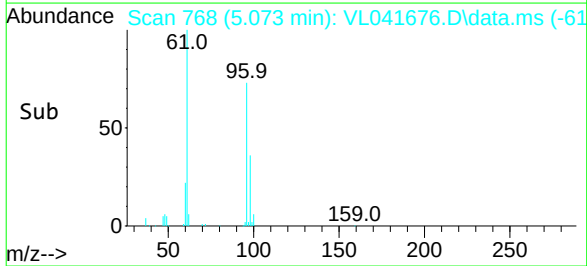
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



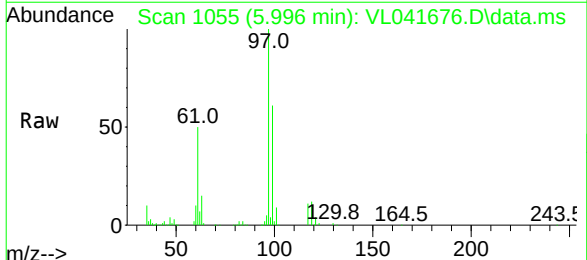
Tgt Ion: 61 Resp: 115115
Ion Ratio Lower Upper
61 100
96 70.0 53.4 80.2
98 36.9 34.0 51.0

Manual Integrations
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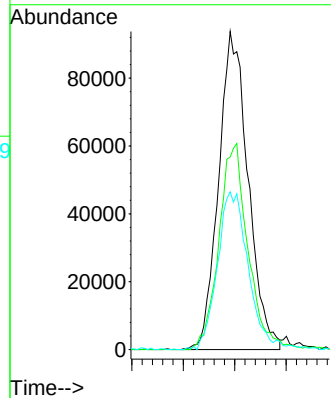
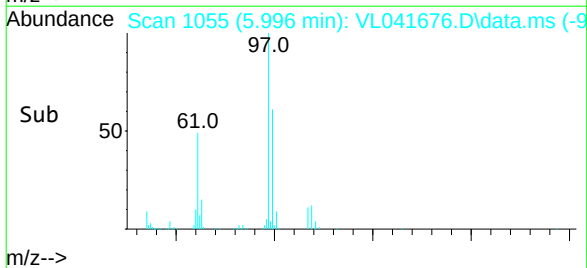
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024

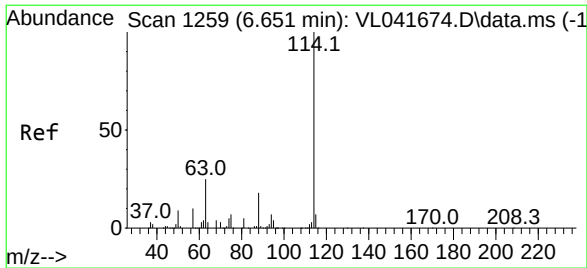


#32
1,1,1-Trichloroethane
Concen: 1.063 ppbv
RT: 5.996 min Scan# 1055
Delta R.T. -0.003 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34



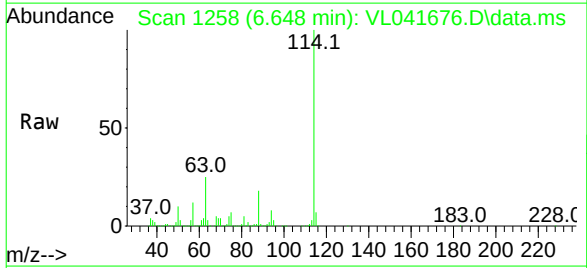
Tgt Ion: 97 Resp: 186425
Ion Ratio Lower Upper
97 100
99 64.5 51.4 77.2
61 52.4 41.7 62.5





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.648 min Scan# 1259
Delta R.T. -0.003 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

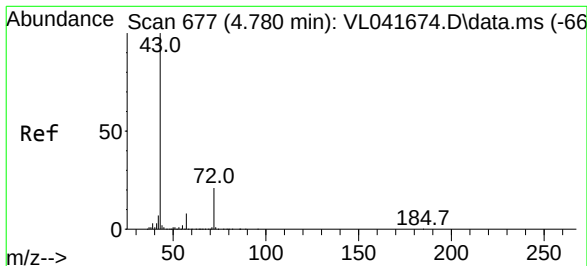
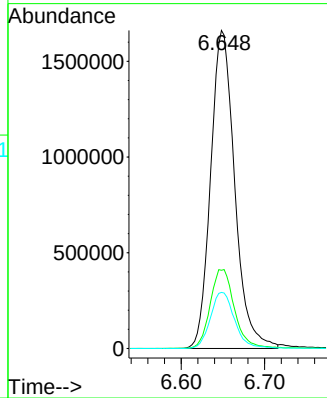
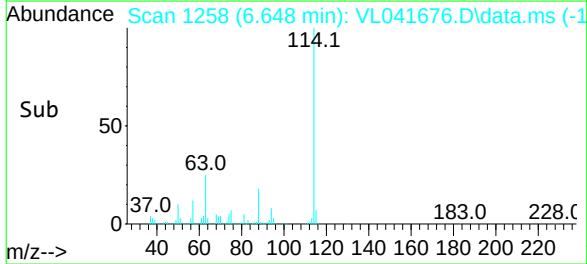
Instrument : MSVOA_L
ClientSampleId : VSTDIC001



Tgt Ion: 114 Resp: 3332226
Ion Ratio Lower Upper
114 100
63 25.4 20.3 30.5
88 17.9 14.2 21.4

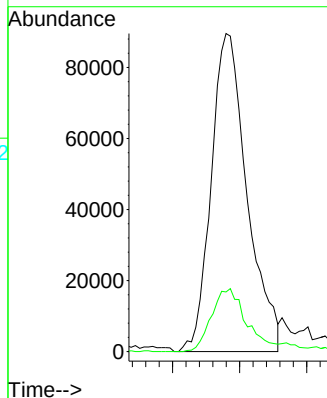
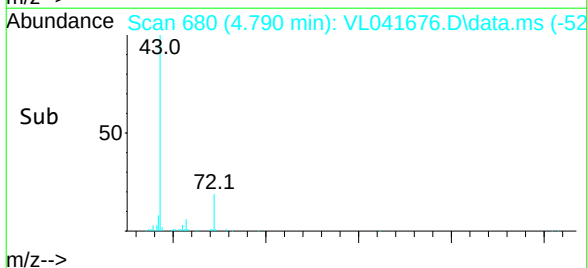
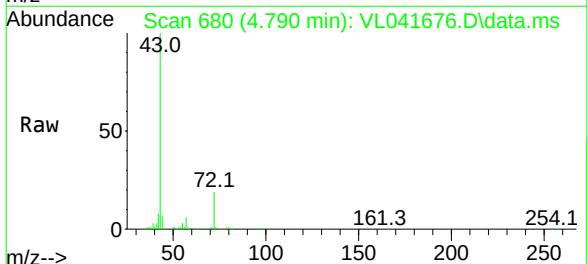
Manual Integrations
APPROVED

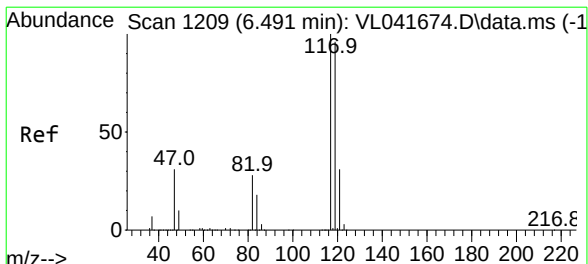
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#34
2-Butanone
Concen: 1.004 ppbv
RT: 4.790 min Scan# 680
Delta R.T. 0.010 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

Tgt Ion: 43 Resp: 166525
Ion Ratio Lower Upper
43 100
72 22.0 17.4 26.0





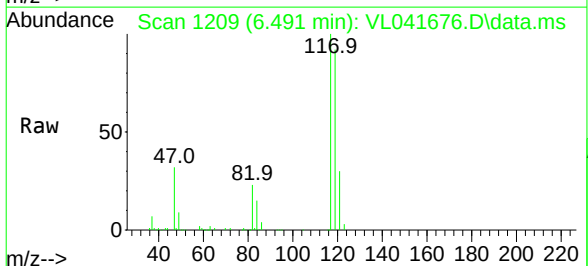
#35
Carbon Tetrachloride
Concen: 1.064 ppbv
RT: 6.491 min Scan# 1209
Delta R.T. 0.000 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

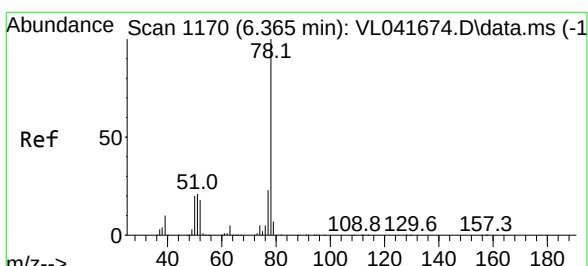
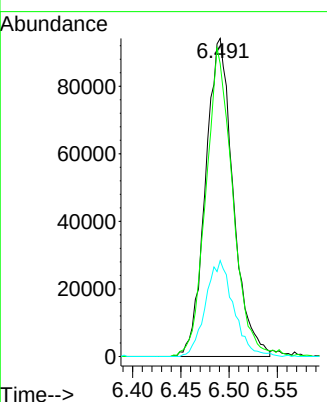
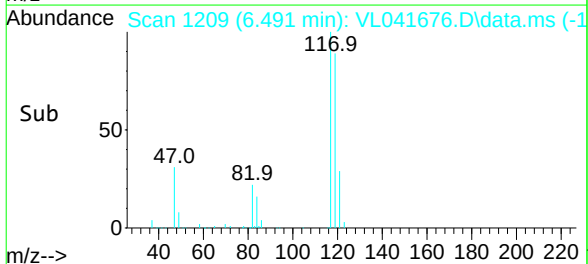


Tgt Ion: 117 Resp: 187475

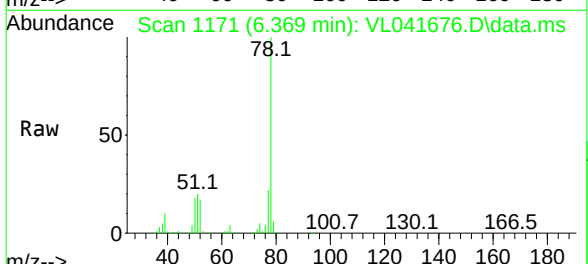
Ion	Ratio	Lower	Upper
117	100		
119	92.1	77.2	115.8
121	30.1	25.0	37.4

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Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024

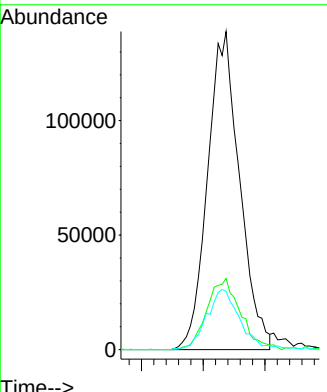
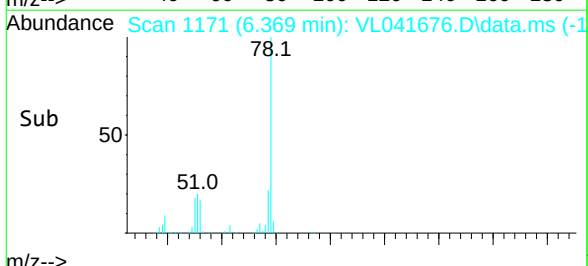


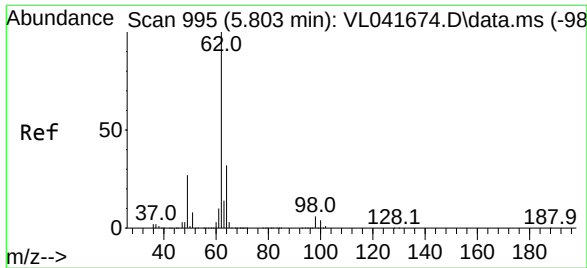
#36
Benzene
Concen: 1.014 ppbv
RT: 6.369 min Scan# 1171
Delta R.T. 0.003 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34



Tgt Ion: 78 Resp: 250318

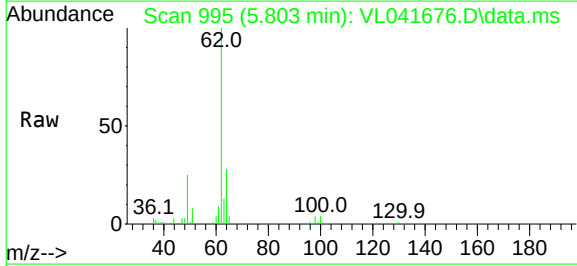
Ion	Ratio	Lower	Upper
78	100		
77	22.4	18.5	27.7
50	18.3	15.6	23.4





#37
1,2-Dichloroethane
Concen: 1.037 ppbv
RT: 5.803 min Scan# 995
Delta R.T. 0.000 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

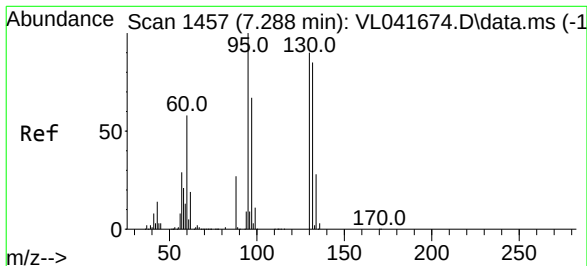
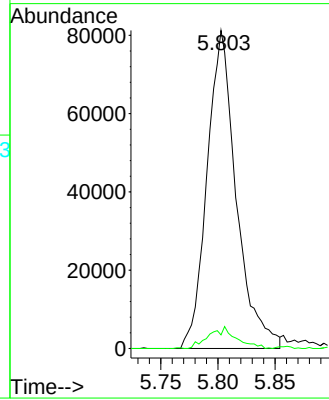
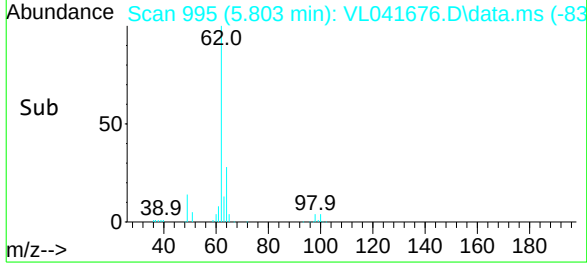
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



Tgt Ion: 62 Resp: 144449
Ion Ratio Lower Upper
62 100
98 6.5 5.2 7.8

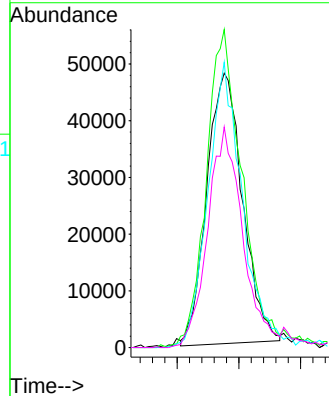
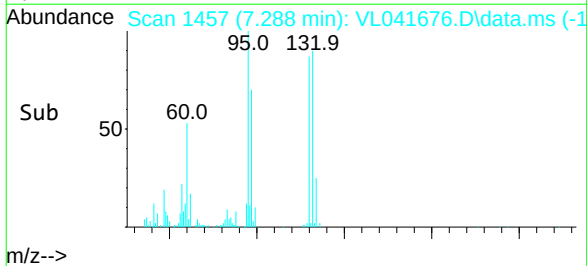
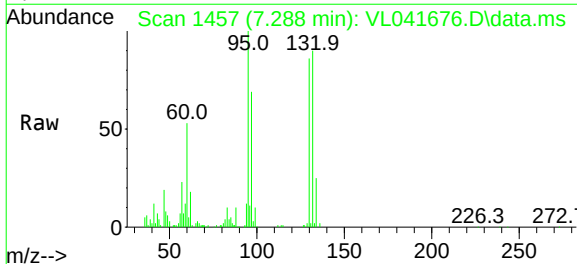
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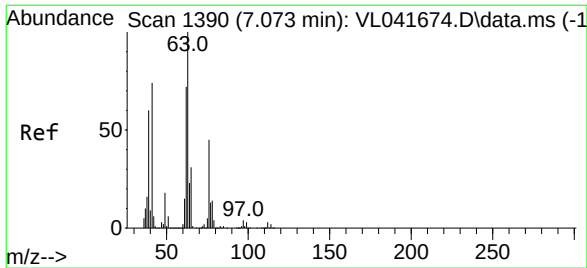
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#38
Trichloroethene
Concen: 1.010 ppbv
RT: 7.288 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

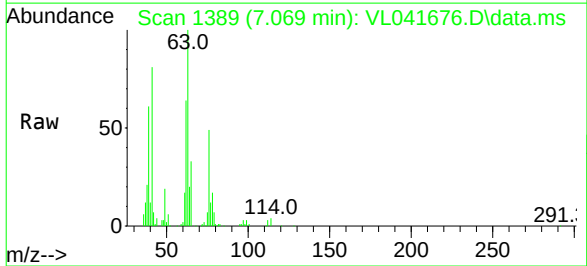
Tgt Ion:130 Resp: 96191
Ion Ratio Lower Upper
130 100
95 114.6 89.1 133.7
132 104.7 75.7 113.5
97 81.3 60.0 90.0





#39
1,2-Dichloropropane
Concen: 1.023 ppbv
RT: 7.069 min Scan# 1389
Delta R.T. -0.003 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

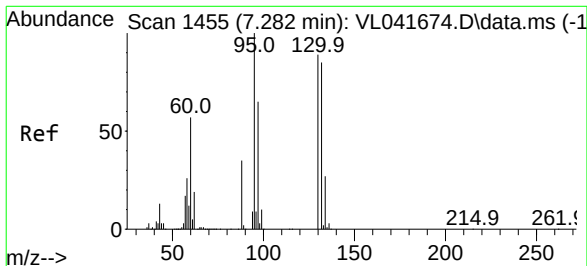
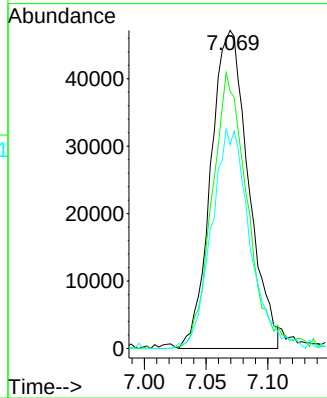
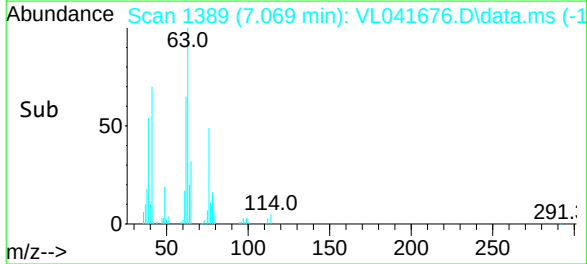
Instrument : MSVOA_L
ClientSampleId : VSTDICC001



Tgt Ion: 63 Resp: 99780
Ion Ratio Lower Upper
63 100
41 79.7 59.1 88.7
62 62.6 57.7 86.5

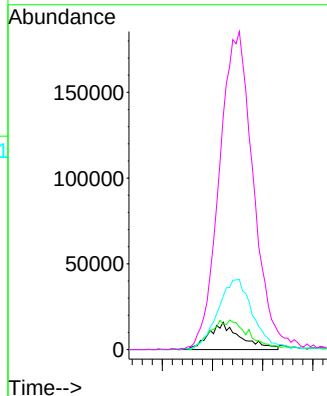
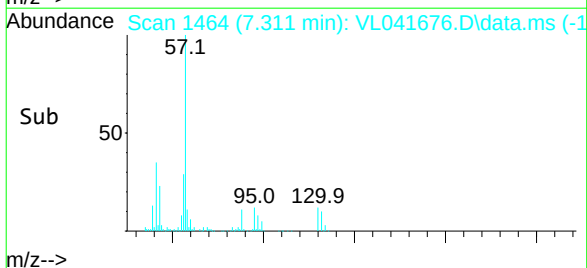
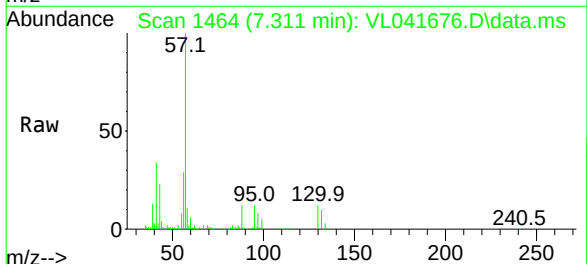
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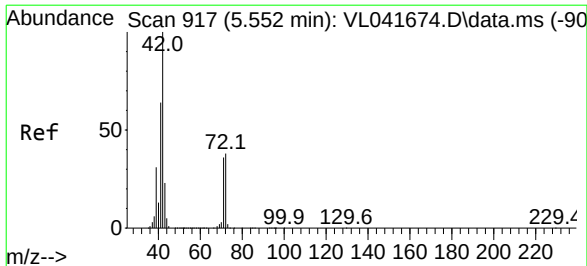
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#40
1,4-Dioxane
Concen: 1.014 ppbv m
RT: 7.311 min Scan# 1464
Delta R.T. 0.029 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

Tgt Ion: 88 Resp: 35039
Ion Ratio Lower Upper
88 100
58 0.0 101.4 152.2#
43 0.0 208.0 312.0#
57 0.0 902.9 1354.3#





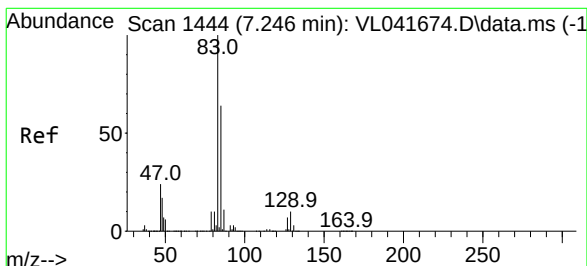
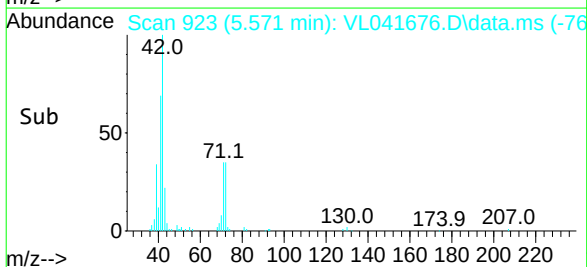
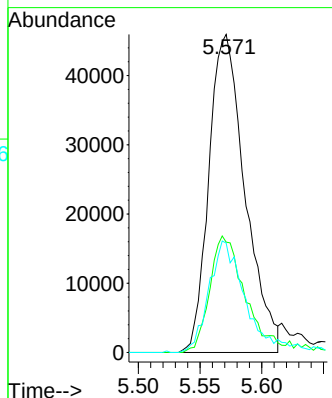
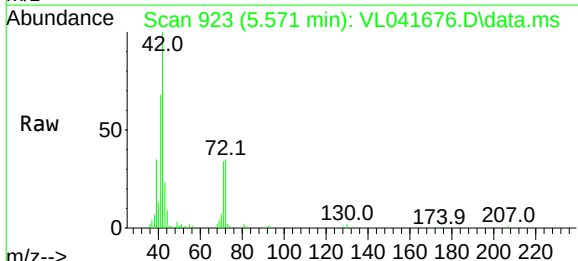
#41
Tetrahydrofuran
Concen: 0.989 ppbv
RT: 5.571 min Scan# 921
Delta R.T. 0.019 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion:	42	Resp:	93643
Ion	Ratio	Lower	Upper
42	100		
72	37.6	29.8	44.6
71	36.5	29.4	44.2

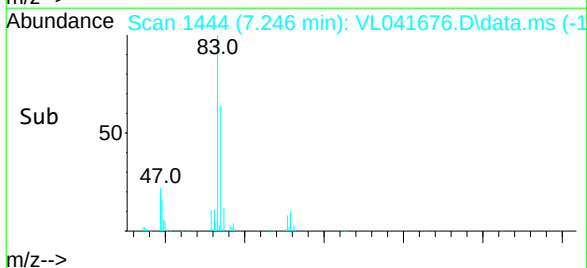
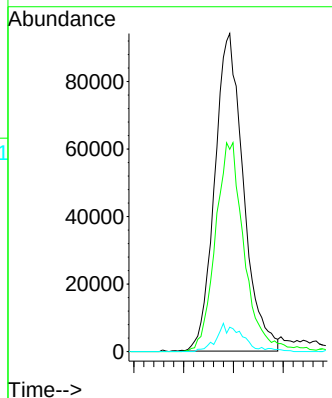
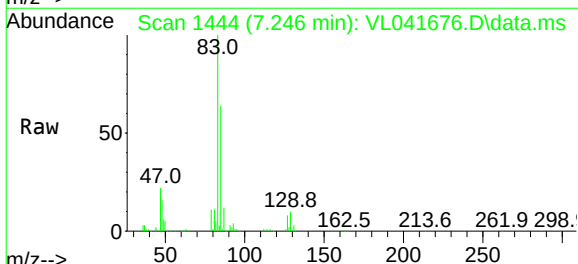
Manual Integrations
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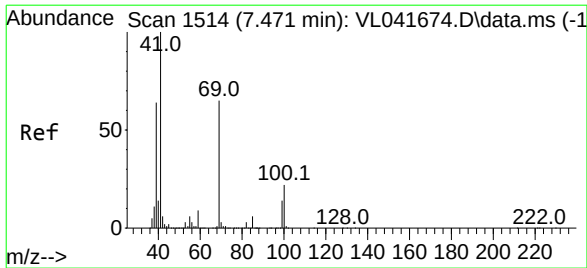
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#42
Bromodichloromethane
Concen: 0.974 ppbv
RT: 7.246 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

Tgt Ion:	83	Resp:	188568
Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.2	76.8
127	7.7	6.0	9.0





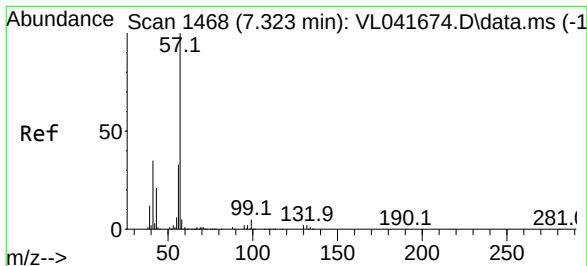
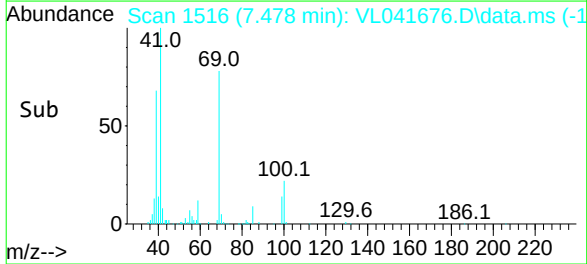
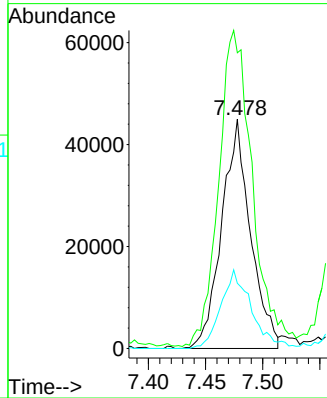
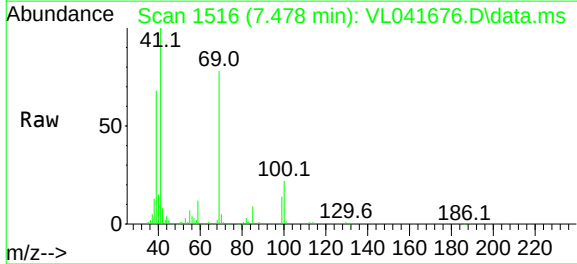
#43
Methyl Methacrylate
Concen: 0.910 ppbv
RT: 7.478 min Scan# 1514
Delta R.T. 0.006 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 69 Resp: 78902
Ion Ratio Lower Upper
69 100
41 164.4 119.8 179.6
100 36.2 27.3 40.9

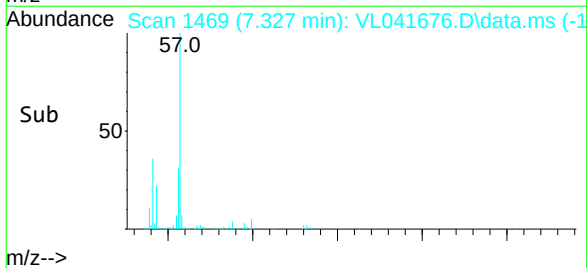
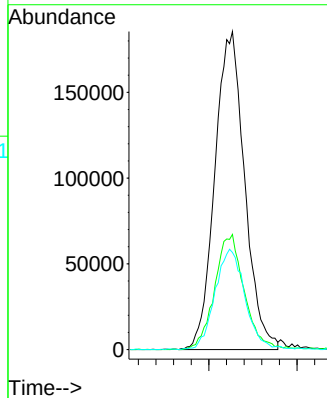
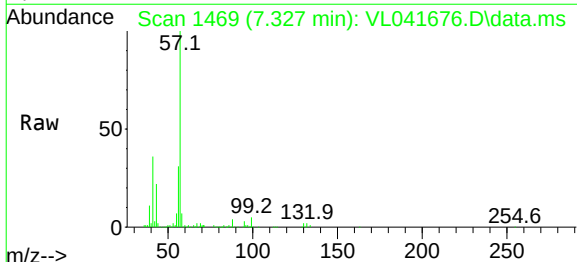
Manual Integrations
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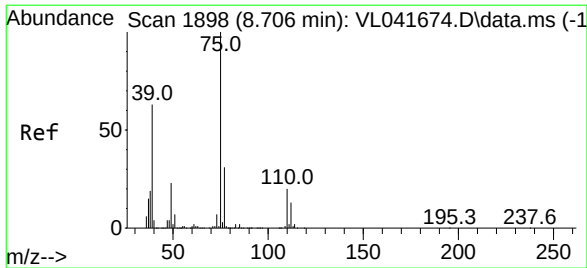
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#44
2,2,4-Trimethylpentane
Concen: 1.041 ppbv
RT: 7.327 min Scan# 1469
Delta R.T. 0.003 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

Tgt Ion: 57 Resp: 435343
Ion Ratio Lower Upper
57 100
41 36.1 27.0 40.6
56 32.1 25.8 38.6





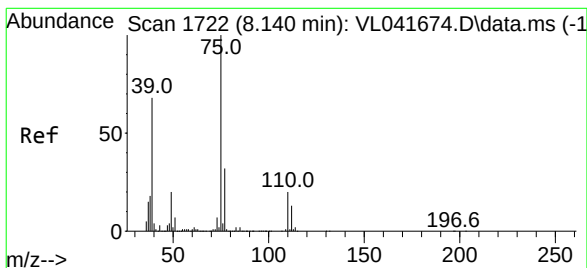
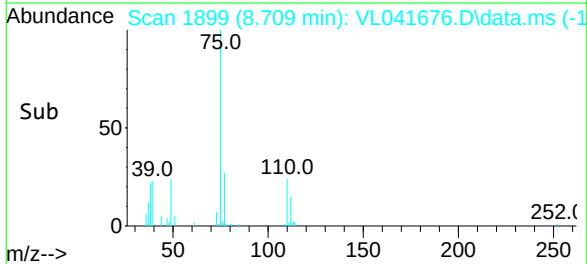
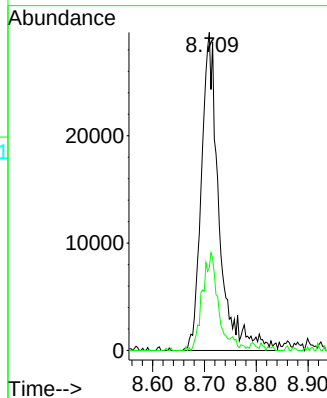
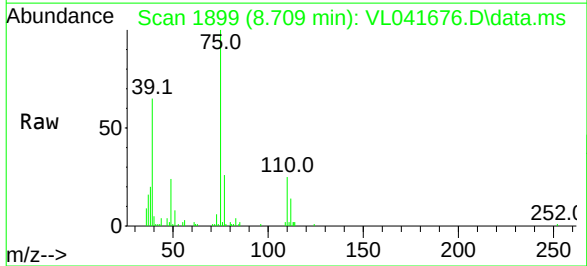
#45
t-1,3-Dichloropropene
Concen: 0.904 ppbv m
RT: 8.709 min Scan# 1898
Delta R.T. 0.003 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 75 Resp: 70088
Ion Ratio Lower Upper
75 100
77 26.1 24.7 37.1

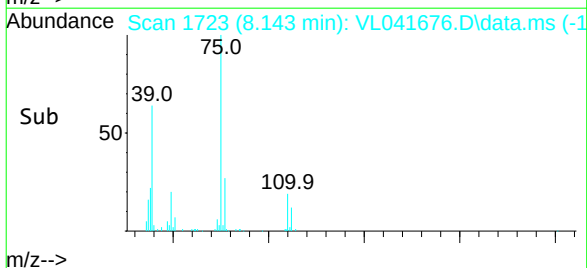
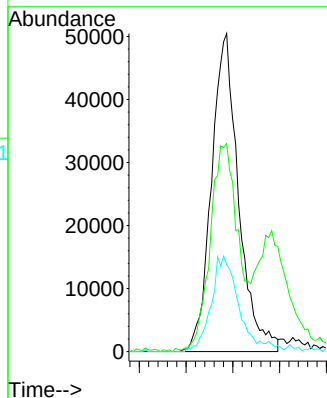
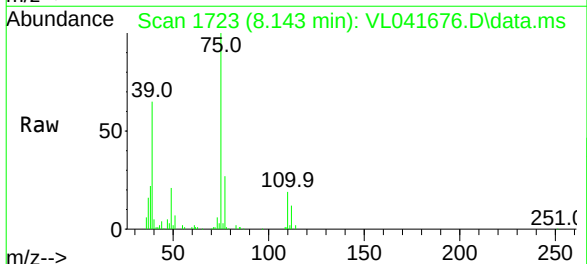
Manual Integrations
APPROVED

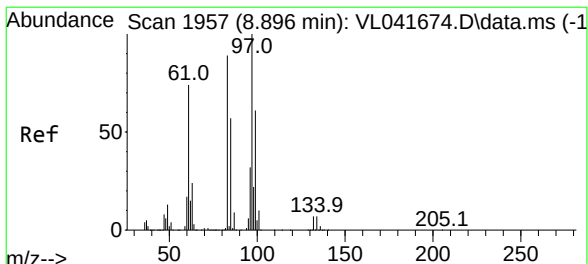
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#46
cis-1,3-Dichloropropene
Concen: 0.901 ppbv
RT: 8.143 min Scan# 1723
Delta R.T. 0.003 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

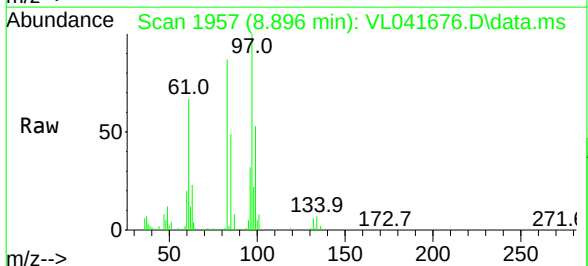
Tgt Ion: 75 Resp: 101425
Ion Ratio Lower Upper
75 100
39 64.8 54.1 81.1
77 27.4 25.3 37.9





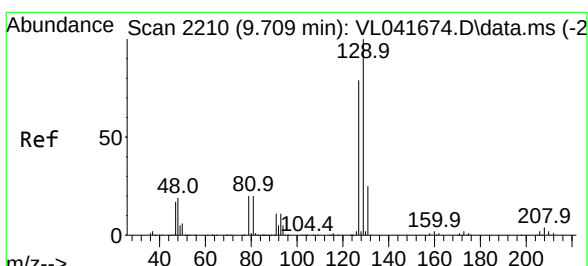
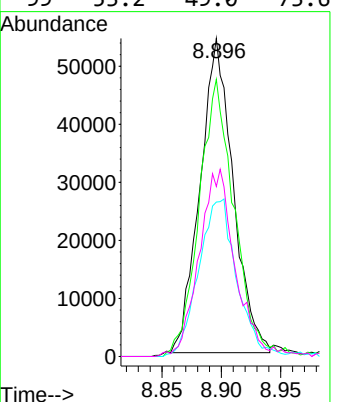
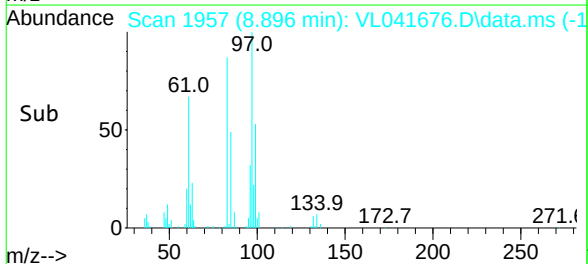
#47
1,1,2-Trichloroethane
Concen: 0.997 ppbv
RT: 8.896 min Scan# 1957
Delta R.T. 0.000 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

Instrument : MSVOA_L
ClientSampleId : VSTDIC001

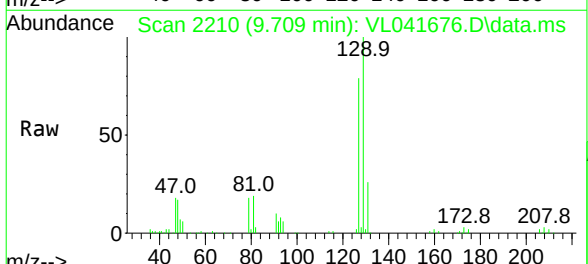


Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.1	71.0	106.6
85	48.2	45.4	68.2
99	53.2	49.0	73.6

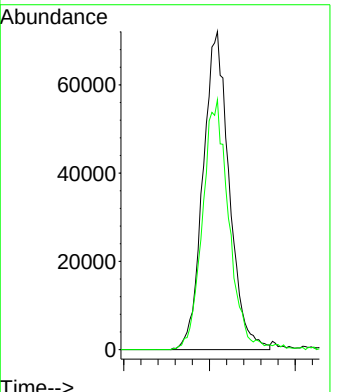
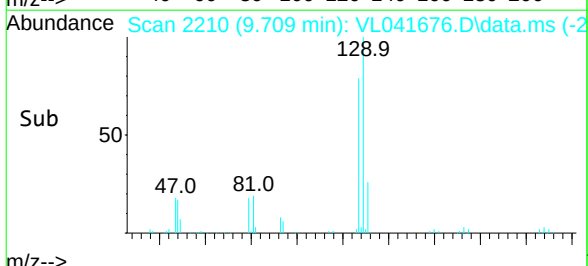
Manual Integrations
APPROVED
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024

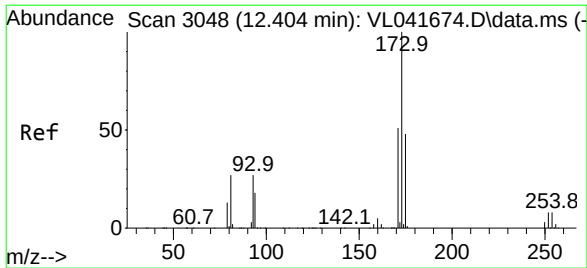


#48
Dibromochloromethane
Concen: 0.952 ppbv
RT: 9.709 min Scan# 2210
Delta R.T. 0.000 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34



Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.4	39.1	117.2





#49

Bromoform

Concen: 0.931 ppbv m

RT: 12.400 min Scan# 3048

Delta R.T. -0.003 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 173 Resp: 127488

Ion Ratio Lower Upper

173 100

175 0.0 39.2 58.8

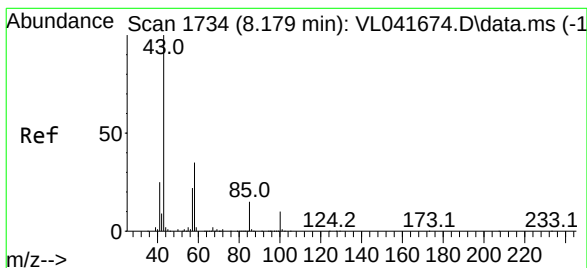
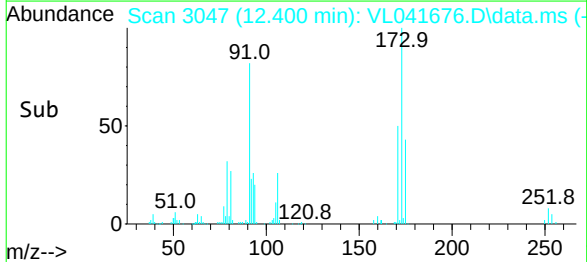
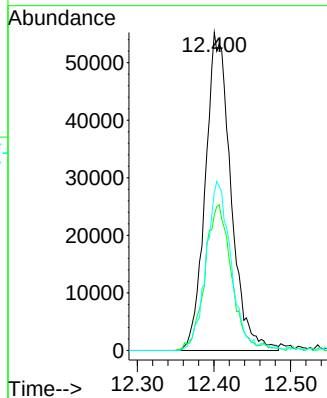
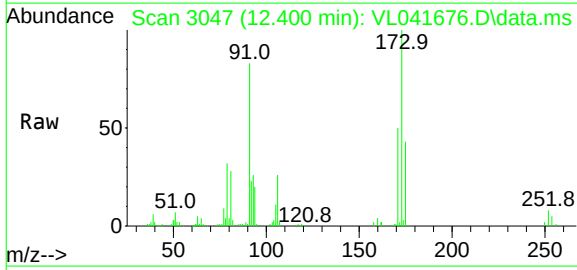
171 0.0 41.7 62.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024

Supervised By :Semsettin Yesilyurt 11/09/2024



#50

4-Methyl-2-Pentanone

Concen: 0.985 ppbv

RT: 8.188 min Scan# 1737

Delta R.T. 0.010 min

Lab File: VL041676.D

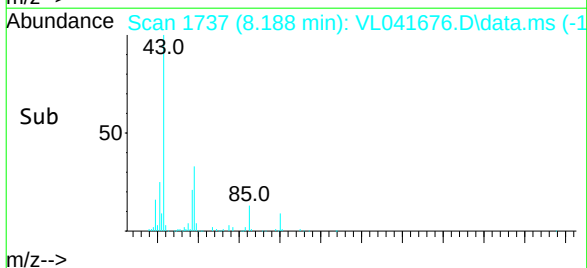
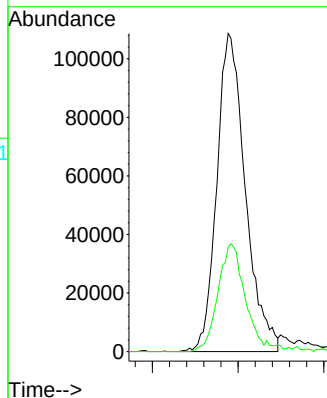
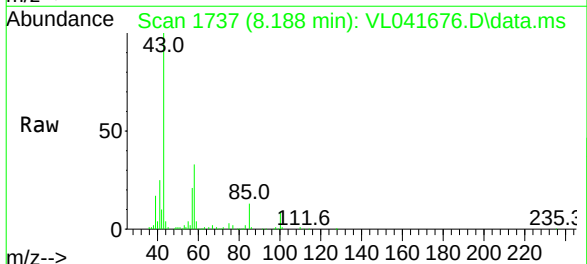
Acq: 7 Nov 2024 11:34

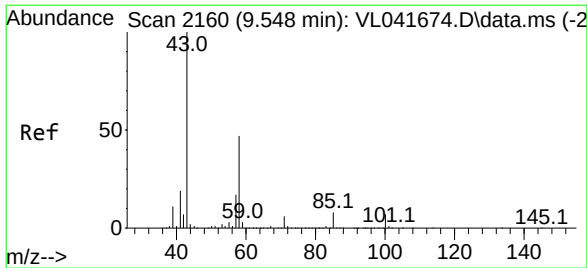
Tgt Ion: 43 Resp: 250885

Ion Ratio Lower Upper

43 100

58 34.0 27.7 41.5





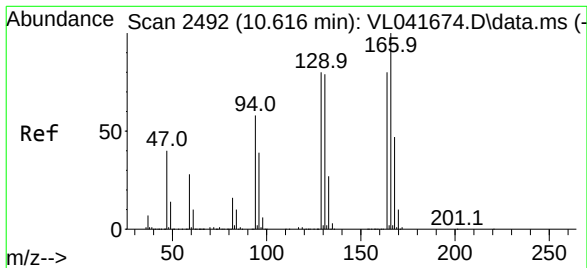
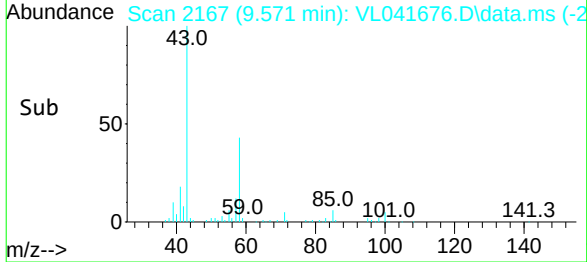
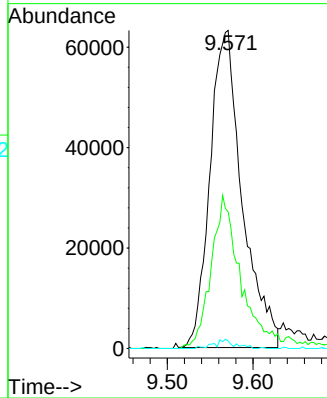
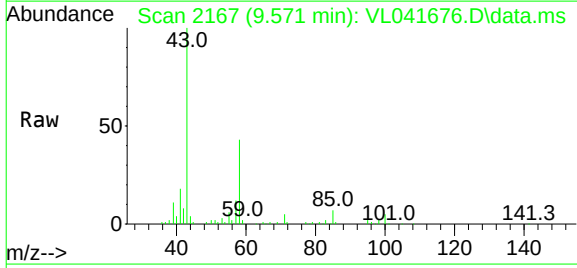
#51
2-Hexanone
Concen: 0.892 ppbv
RT: 9.571 min Scan# 2160
Delta R.T. 0.023 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 43 Resp: 165158
Ion Ratio Lower Upper
43 100
58 46.5 37.0 55.6
98 1.8 0.6 0.8#

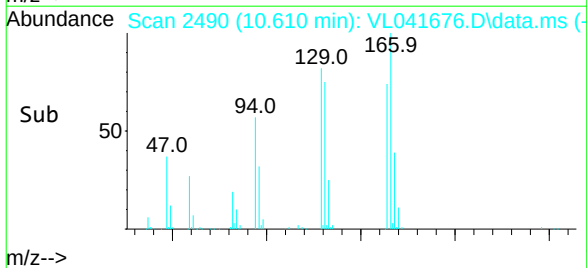
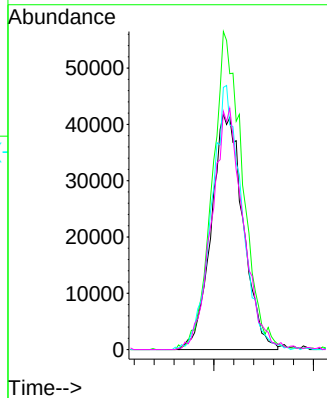
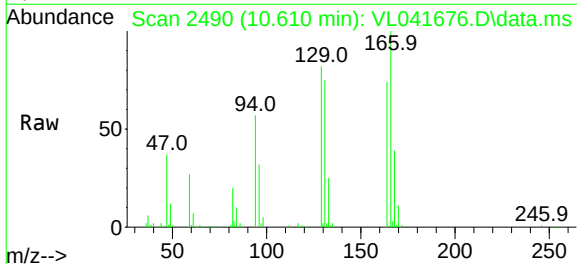
Manual Integrations
APPROVED

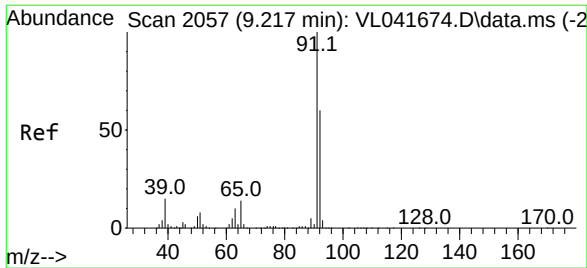
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#52
Tetrachloroethene
Concen: 1.102 ppbv
RT: 10.610 min Scan# 2490
Delta R.T. -0.006 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

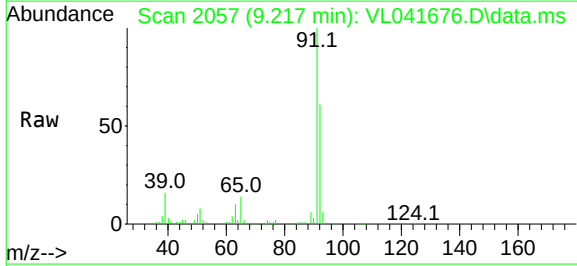
Tgt Ion:164 Resp: 92977
Ion Ratio Lower Upper
164 100
166 133.1 100.2 150.4
129 110.9 79.7 119.5
131 100.6 79.0 118.4





#53
Toluene
Concen: 0.976 ppbv
RT: 9.217 min Scan# 2057
Delta R.T. 0.000 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

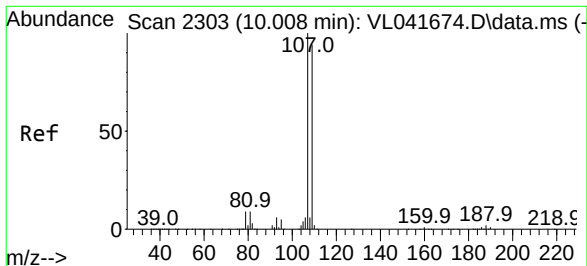
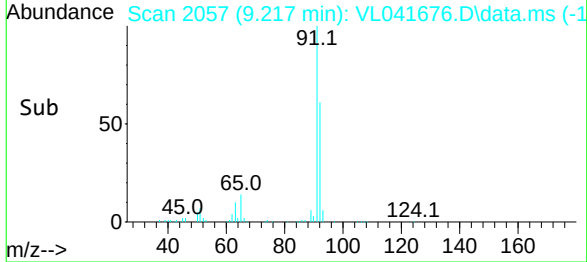
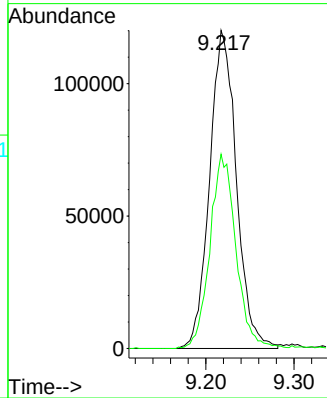
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



Tgt Ion: 91 Resp: 253501
Ion Ratio Lower Upper
91 100
92 59.4 49.0 73.4

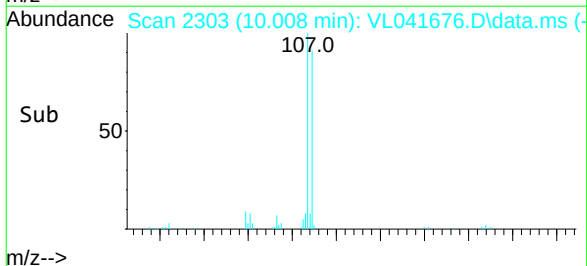
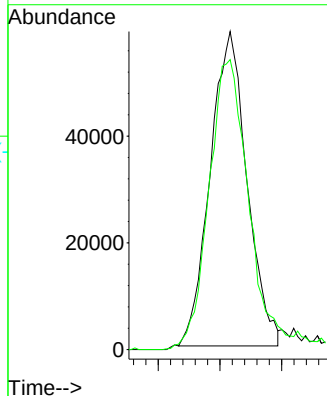
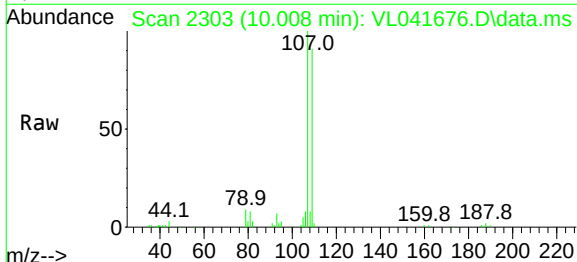
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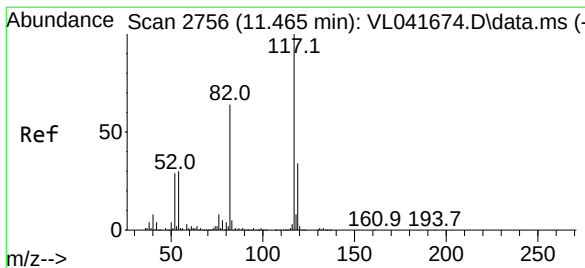
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#54
1,2-Dibromoethane
Concen: 0.994 ppbv
RT: 10.008 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

Tgt Ion:107 Resp: 122096
Ion Ratio Lower Upper
107 100
109 90.5 74.9 112.3





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.465 min Scan# 2756

Delta R.T. 0.000 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:117 Resp: 3067671

Ion Ratio Lower Upper

117 100

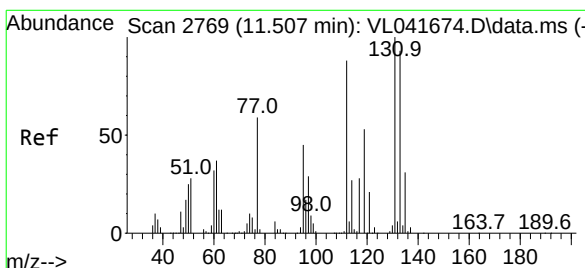
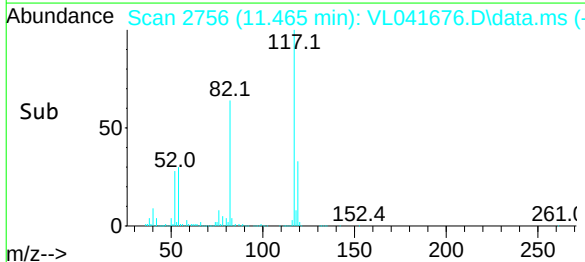
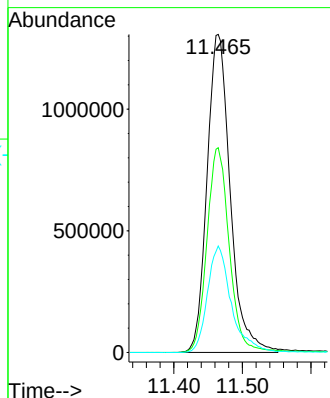
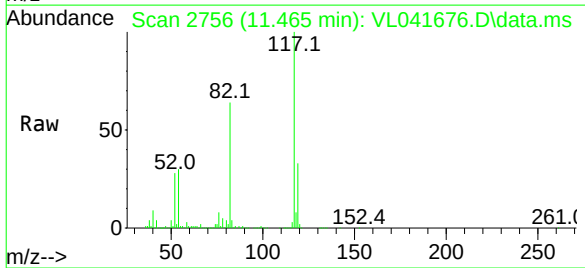
82 63.0 49.8 74.8

119 34.8 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#56

1,1,1,2-Tetrachloroethane

Concen: 1.043 ppbv

RT: 11.510 min Scan# 2770

Delta R.T. 0.003 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

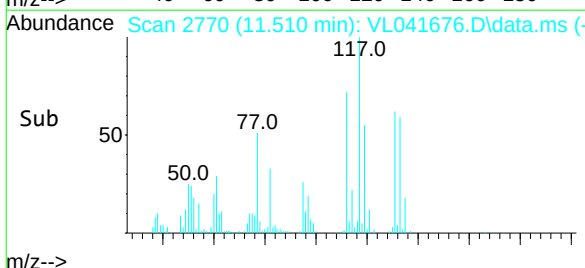
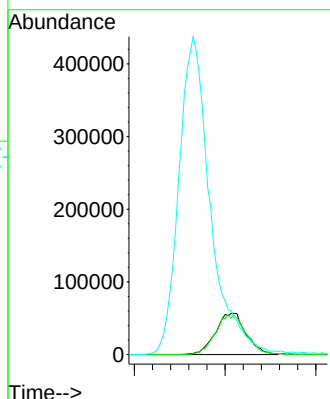
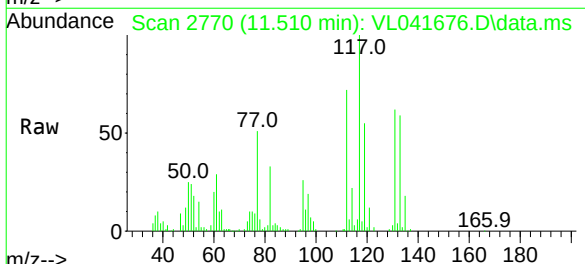
Tgt Ion:131 Resp: 133283

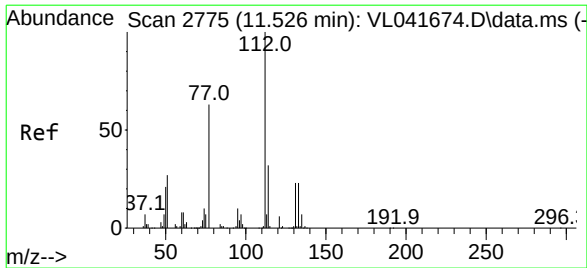
Ion Ratio Lower Upper

131 100

133 96.2 76.5 114.7

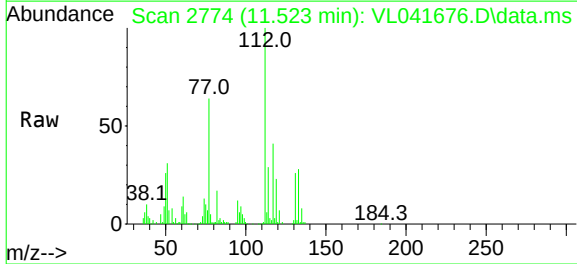
119 798.1 49.8 74.8#





#57
Chlorobenzene
Concen: 1.047 ppbv
RT: 11.523 min Scan# 2775
Delta R.T. -0.003 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

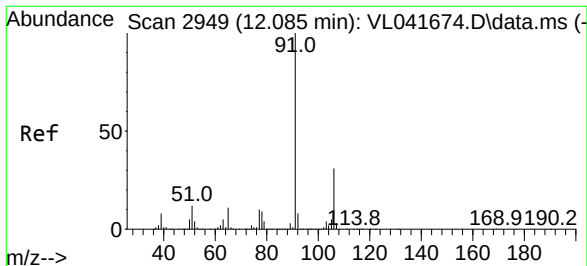
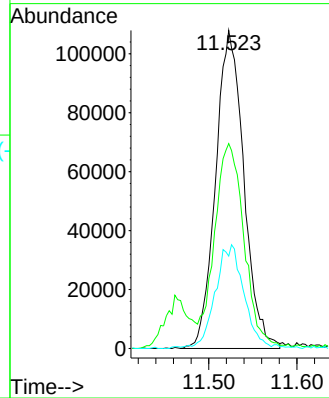
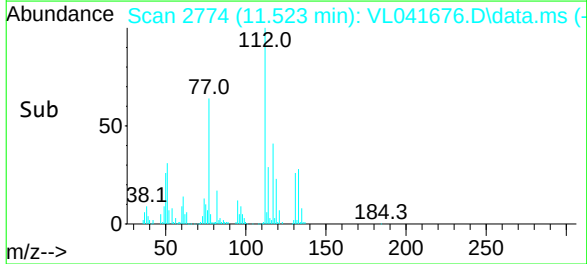
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



Tgt Ion: 112 Resp: 239417
Ion Ratio Lower Upper
112 100
77 63.4 51.4 77.2
114 28.6 28.4 34.8

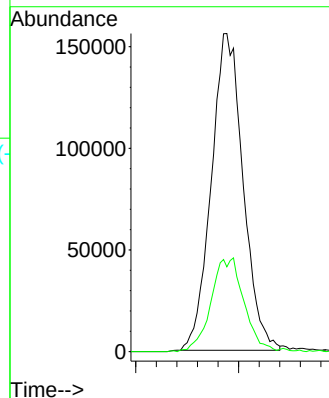
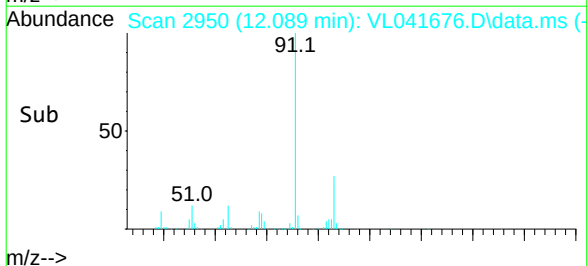
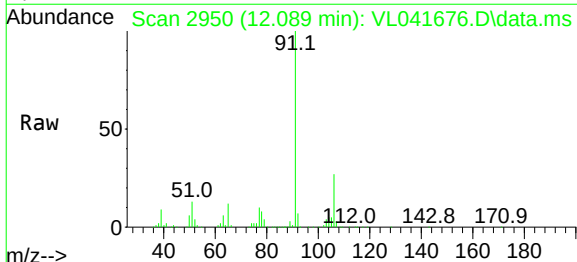
Manual Integrations
APPROVED

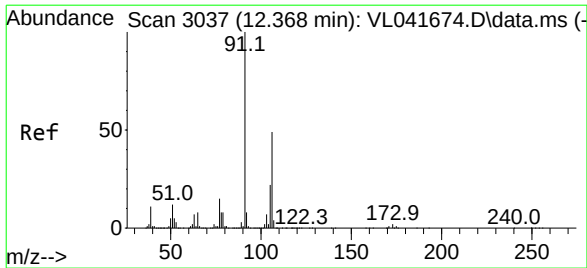
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#58
Ethyl Benzene
Concen: 0.986 ppbv
RT: 12.089 min Scan# 2950
Delta R.T. 0.003 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

Tgt Ion: 91 Resp: 334939
Ion Ratio Lower Upper
91 100
106 26.3 24.9 37.3





#59

m/p-Xylene

Concen: 2.056 ppbv m

RT: 12.368 min Scan# 3037

Delta R.T. 0.000 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

Tgt Ion: 91 Resp: 625077

Ion Ratio Lower Upper

91 100

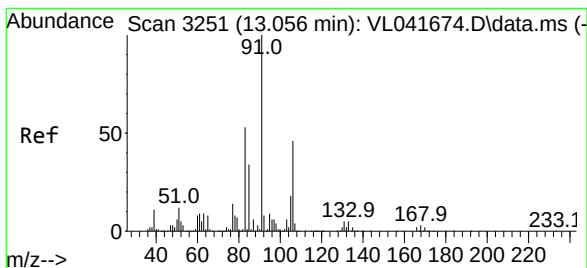
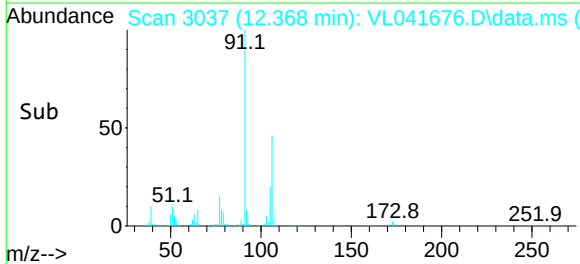
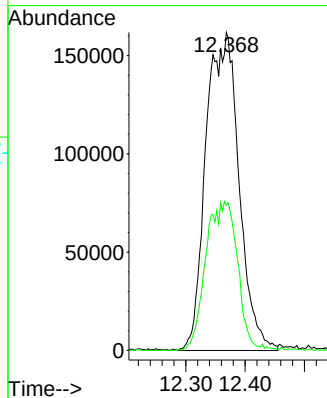
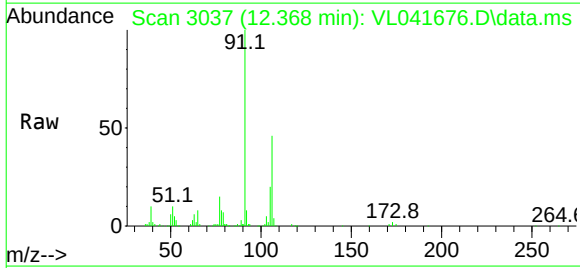
106 45.1 36.9 55.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024

Supervised By :Semsettin Yesilyurt 11/09/2024



#60

o-Xylene

Concen: 1.012 ppbv

RT: 13.053 min Scan# 3250

Delta R.T. -0.003 min

Lab File: VL041676.D

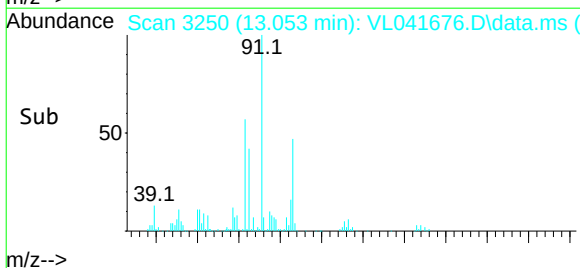
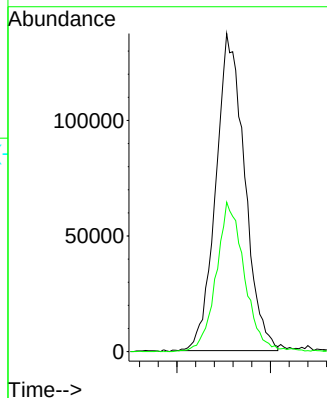
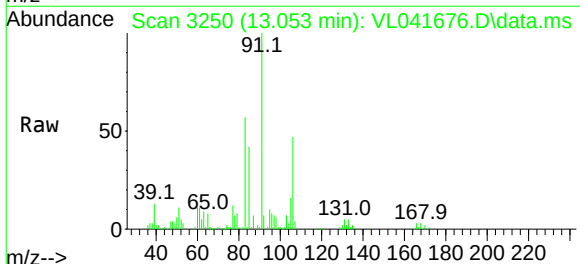
Acq: 7 Nov 2024 11:34

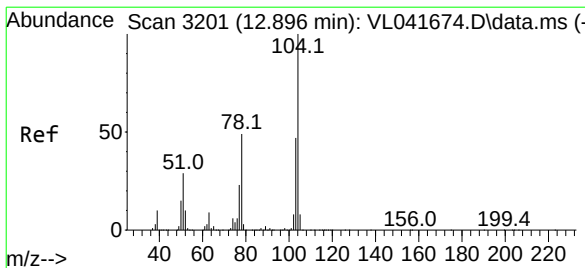
Tgt Ion: 91 Resp: 293793

Ion Ratio Lower Upper

91 100

106 46.7 23.2 69.6





#61

Styrene

Concen: 0.859 ppbv

RT: 12.892 min Scan# 3201

Delta R.T. -0.003 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

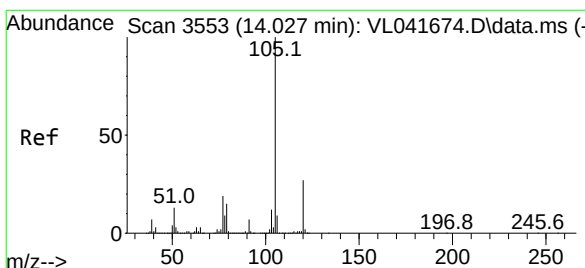
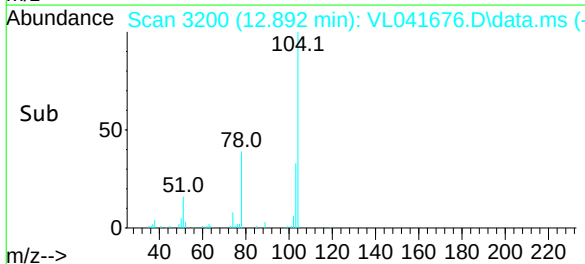
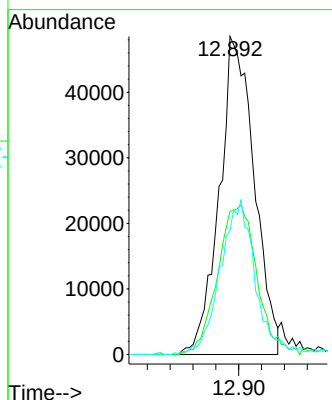
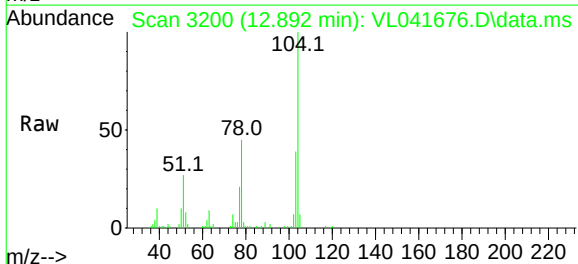
ClientSampleId :

VSTDIC001

Tgt Ion:	104	Resp:	102947
Ion Ratio	Lower	Upper	
104	100		
78	52.9	39.8	59.8
103	49.4	37.4	56.0

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#62

Isopropylbenzene

Concen: 1.045 ppbv

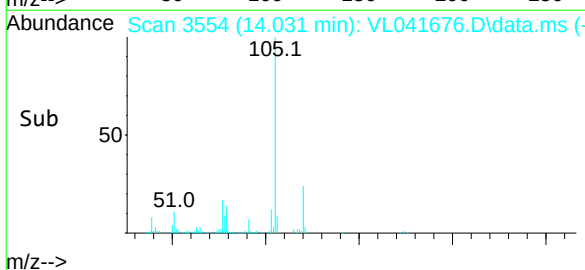
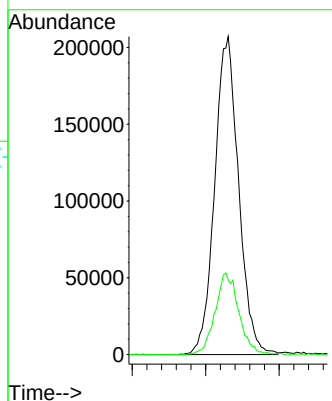
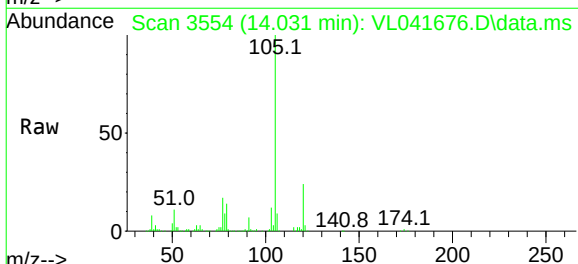
RT: 14.031 min Scan# 3554

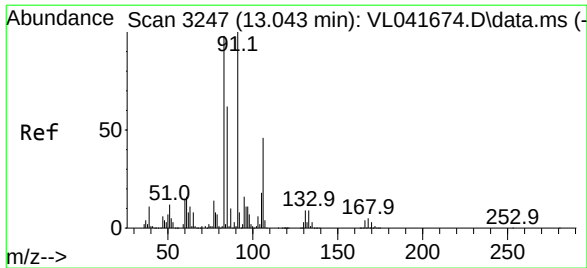
Delta R.T. 0.003 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

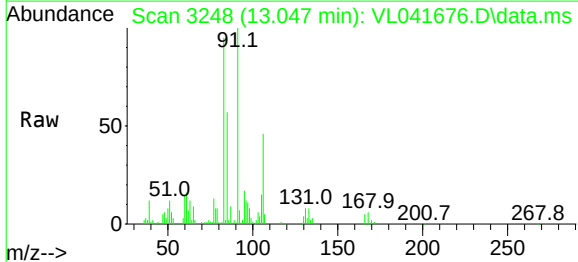
Tgt Ion:	105	Resp:	468382
Ion Ratio	Lower	Upper	
105	100		
120	25.4	21.1	31.7





#63
1,1,2,2-Tetrachloroethane
Concen: 1.074 ppbv
RT: 13.047 min Scan# 3247
Delta R.T. 0.003 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

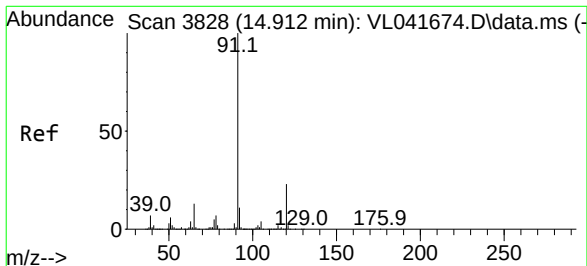
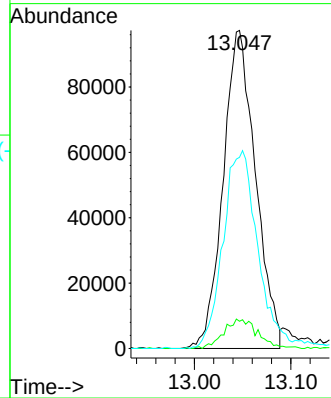
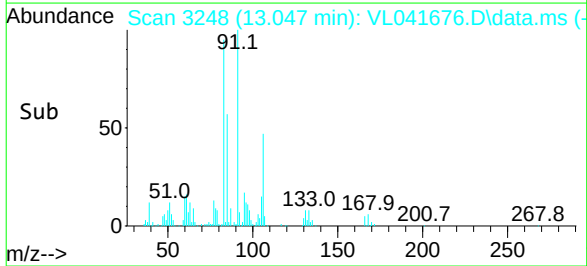
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



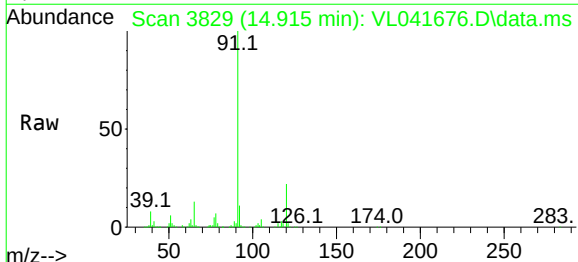
Tgt Ion: 83 Resp: 226867
Ion Ratio Lower Upper
83 100
131 9.8 4.8 14.3
85 68.1 32.6 98.0

Manual Integrations
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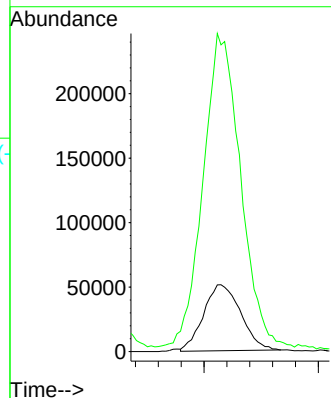
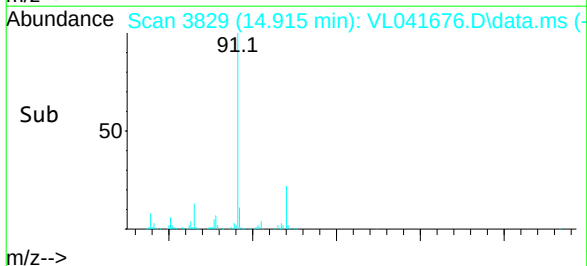
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024

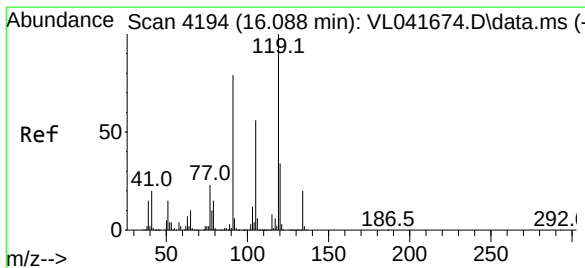


#64
n-propylbenzene
Concen: 0.987 ppbv
RT: 14.915 min Scan# 3829
Delta R.T. 0.003 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34



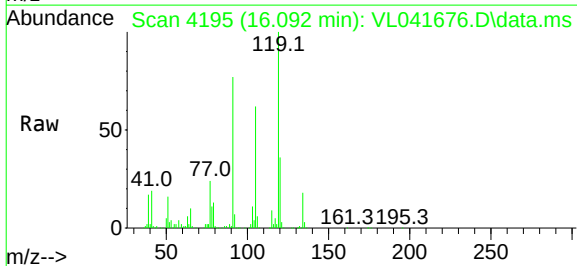
Tgt Ion:120 Resp: 115677
Ion Ratio Lower Upper
120 100
91 500.0 362.4 543.6





#65
tert-Butylbenzene
Concen: 1.053 ppbv
RT: 16.092 min Scan# 4195
Delta R.T. 0.003 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

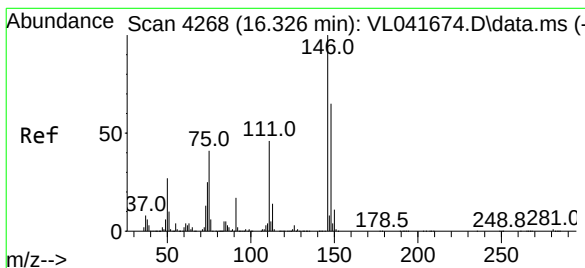
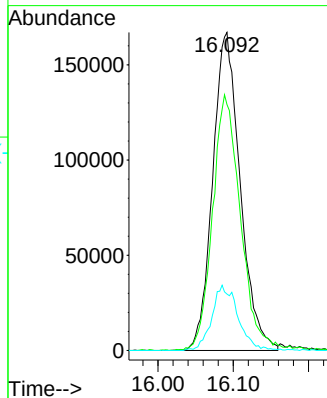
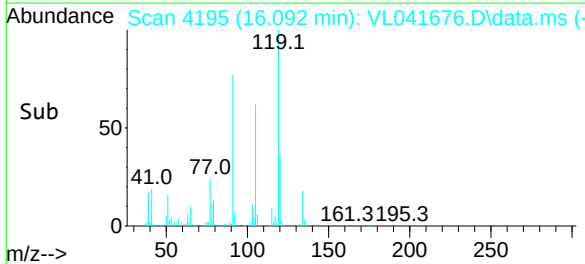


Tgt Ion: 119 Resp: 424019

Ion	Ratio	Lower	Upper
119	100		
91	82.6	64.3	96.5
134	19.6	15.8	23.8

Manual Integrations
APPROVED

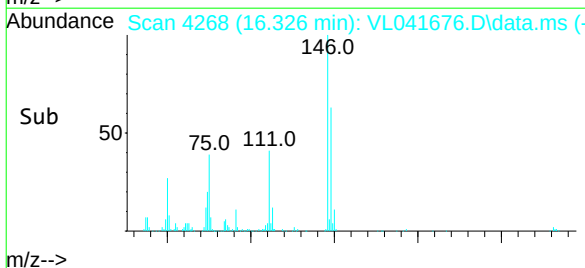
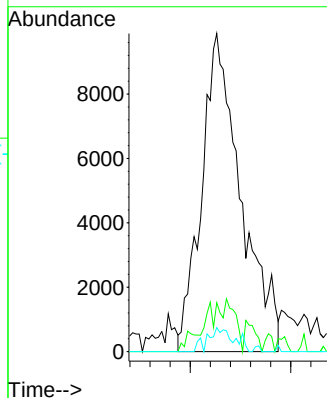
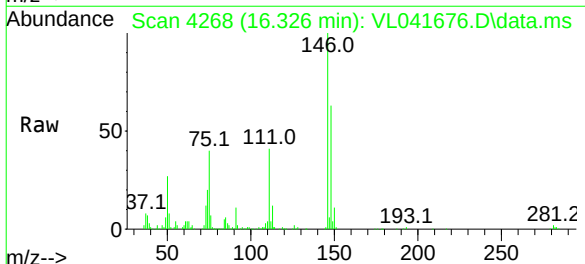
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024

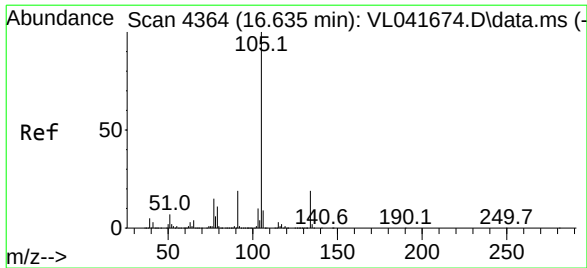


#66
Benzyl Chloride
Concen: 0.929 ppbv m
RT: 16.326 min Scan# 4268
Delta R.T. 0.000 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

Tgt Ion: 91 Resp: 26944

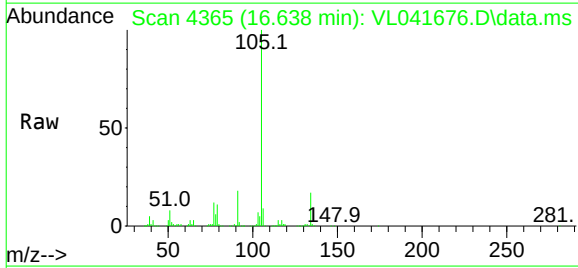
Ion	Ratio	Lower	Upper
91	100		
126	17.4	13.8	20.6
128	4.9	4.3	6.5





#67
sec-Butylbenzene
Concen: 1.051 ppbv
RT: 16.638 min Scan# 4364
Delta R.T. 0.003 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

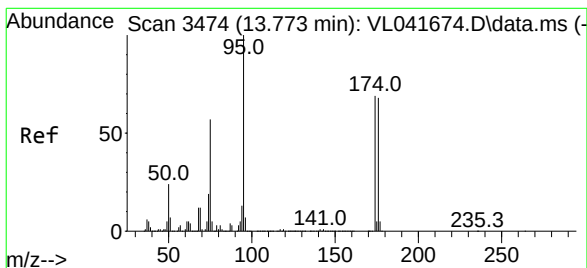
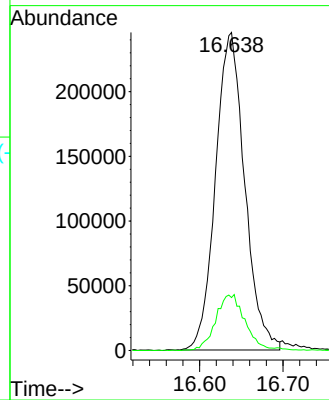
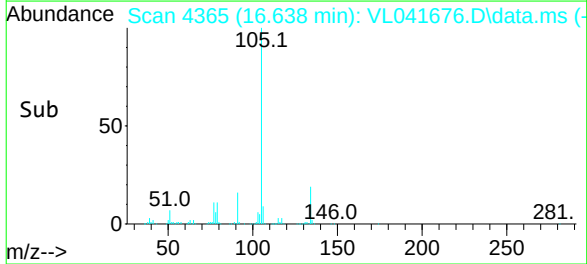
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



Tgt Ion: 105 Resp: 596449
Ion Ratio Lower Upper
105 100
134 18.0 14.6 22.0

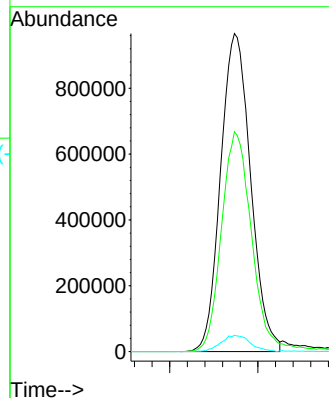
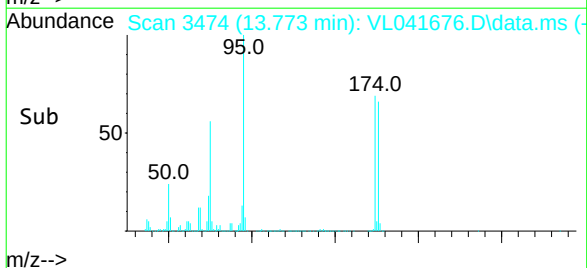
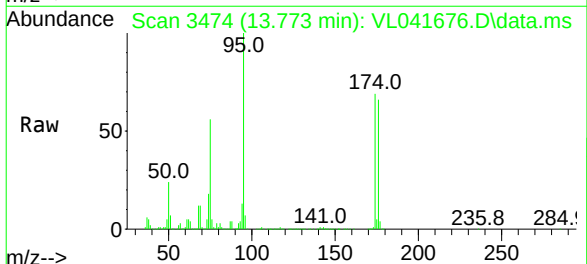
Manual Integrations
APPROVED

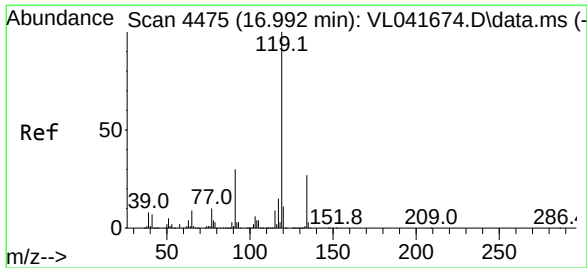
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#68
1-Bromo-4-Fluorobenzene
Concen: 10.073 ppbv
RT: 13.773 min Scan# 3474
Delta R.T. 0.000 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

Tgt Ion: 95 Resp: 2285234
Ion Ratio Lower Upper
95 100
174 70.7 55.6 83.4
175 5.1 4.2 6.2





#69

p-Isopropyltoluene

Concen: 1.048 ppbv

RT: 16.998 min Scan# 4475

Delta R.T. 0.007 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

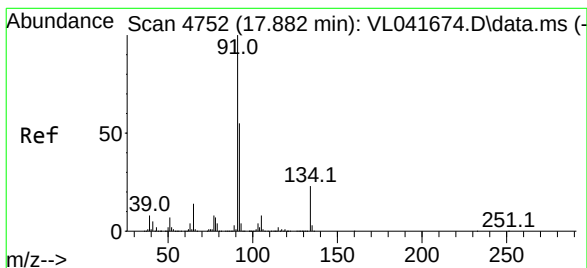
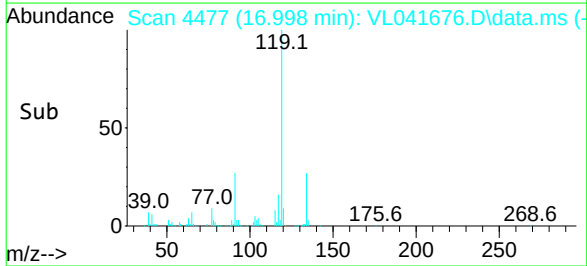
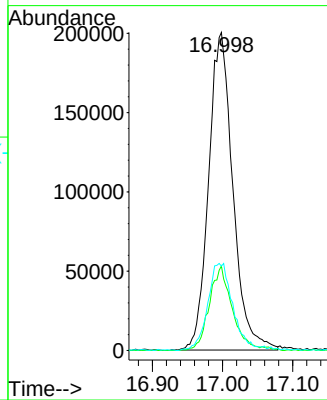
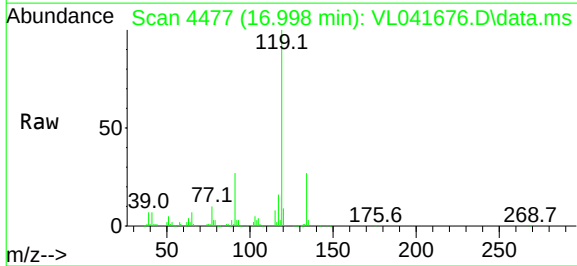
VSTDICC001

Tgt Ion:	119	Resp:	480893
Ion	Ratio	Lower	Upper
119	100		
134	25.5	20.8	31.2
91	29.1	23.2	34.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#70

n-Butylbenzene

Concen: 1.030 ppbv

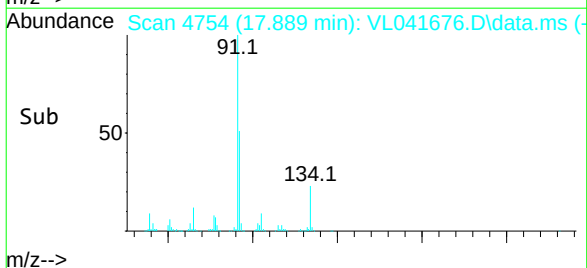
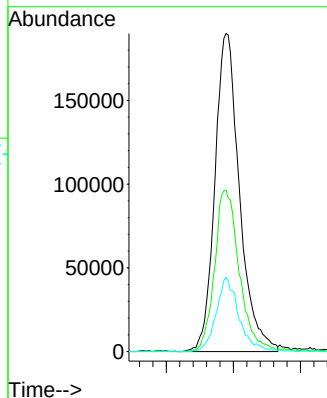
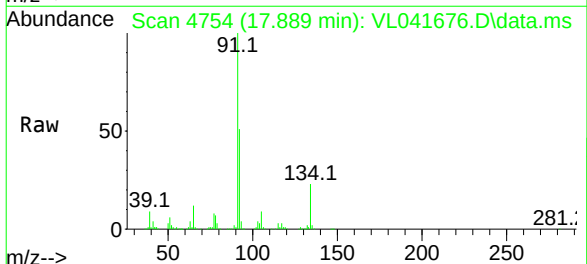
RT: 17.889 min Scan# 4754

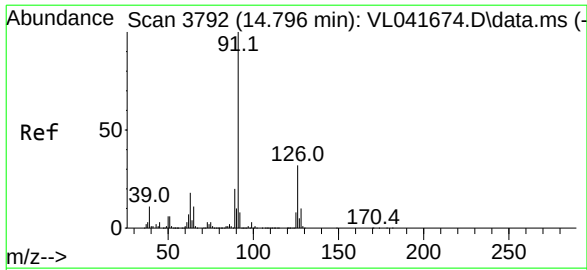
Delta R.T. 0.007 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Tgt Ion:	91	Resp:	484367
Ion	Ratio	Lower	Upper
91	100		
92	51.6	43.3	64.9
134	21.5	18.4	27.6





#71

2-Chlorotoluene

Concen: 1.024 ppbv

RT: 14.799 min Scan# 3792

Delta R.T. 0.003 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 91 Resp: 331921

Ion Ratio Lower Upper

91 100

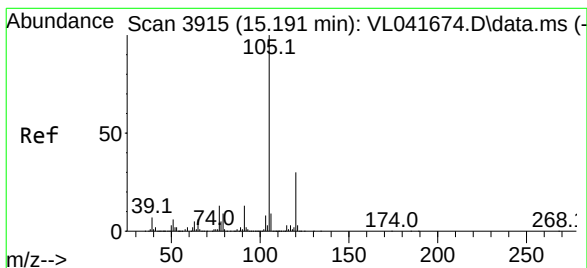
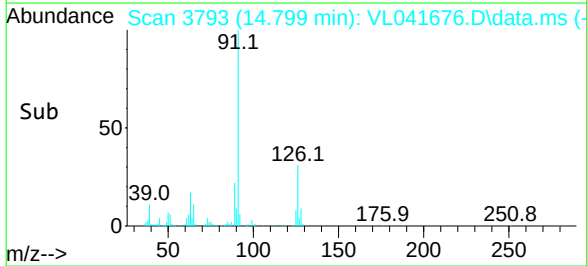
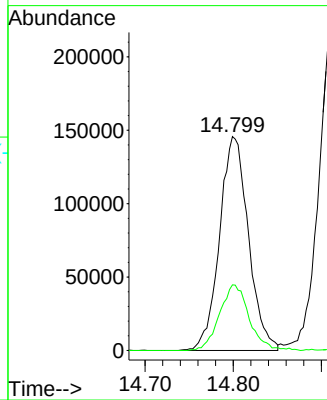
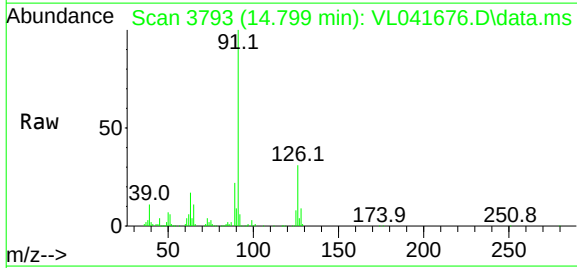
126 31.5 12.8 51.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024

Supervised By :Semsettin Yesilyurt 11/09/2024



#72

4-Ethyltoluene

Concen: 0.972 ppbv

RT: 15.191 min Scan# 3915

Delta R.T. 0.000 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Tgt Ion:105 Resp: 327541

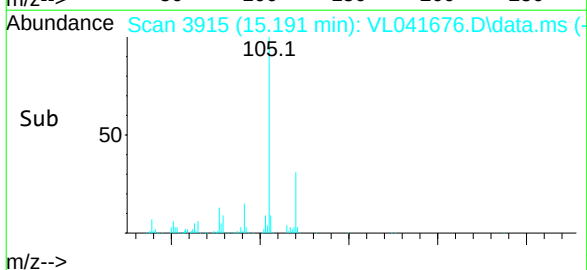
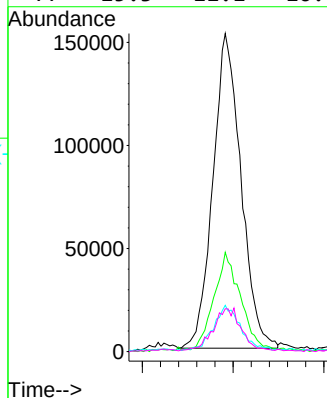
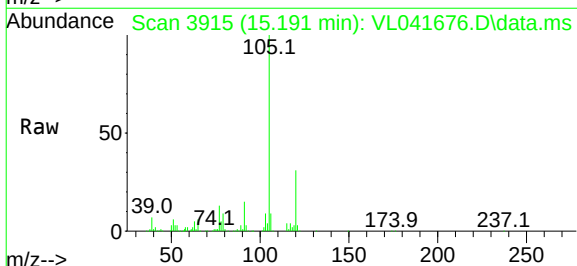
Ion Ratio Lower Upper

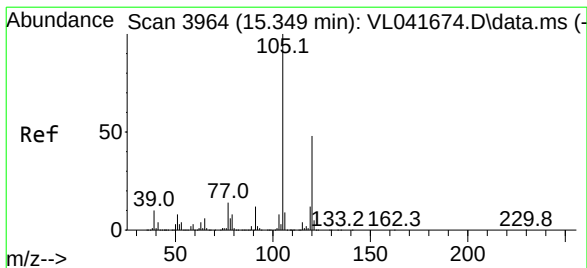
105 100

120 32.3 25.0 37.4

91 13.6 10.6 15.8

77 15.3 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 0.982 ppbv

RT: 15.352 min Scan# 39

Delta R.T. 0.003 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

Tgt Ion:105 Resp: 290287

Ion Ratio Lower Upper

105 100

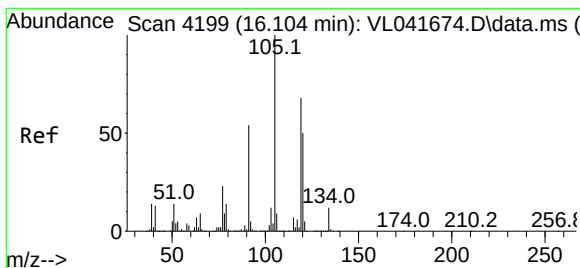
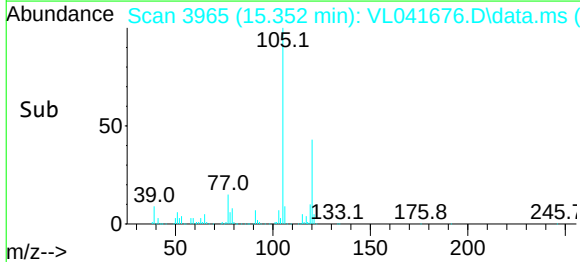
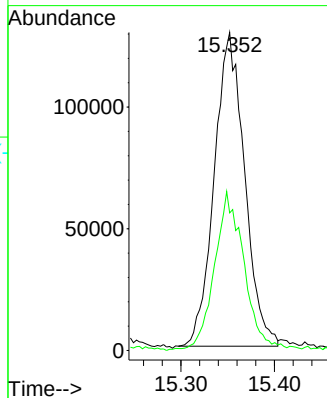
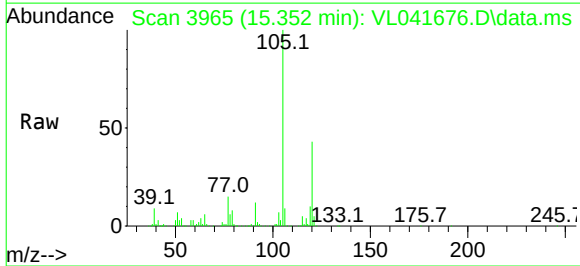
120 43.2 38.4 57.6

Manual Integrations

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Reviewed By :Mahesh Dadoda 11/09/2024

Supervised By :Semsettin Yesilyurt 11/09/2024



#74

1,2,4-Trimethylbenzene

Concen: 1.047 ppbv

RT: 16.111 min Scan# 4201

Delta R.T. 0.007 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Tgt Ion:105 Resp: 360083

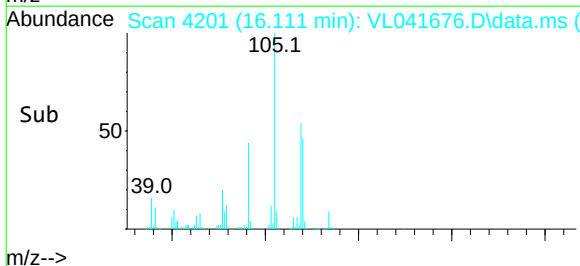
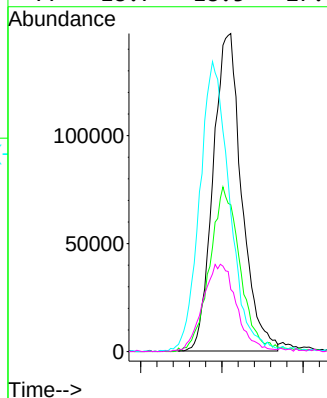
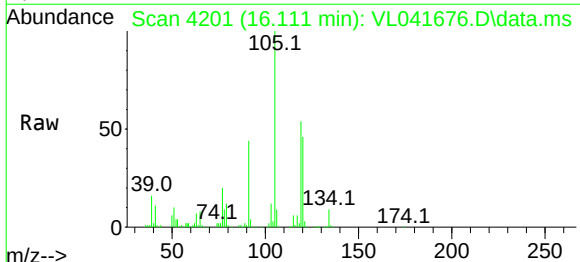
Ion Ratio Lower Upper

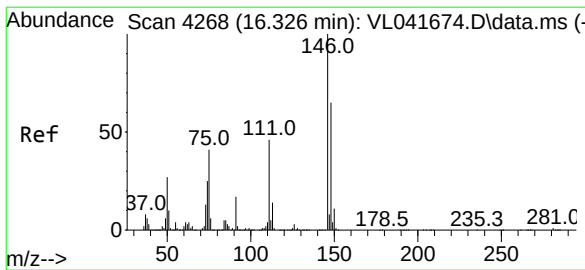
105 100

120 45.1 39.8 59.8

91 42.7 43.2 64.8#

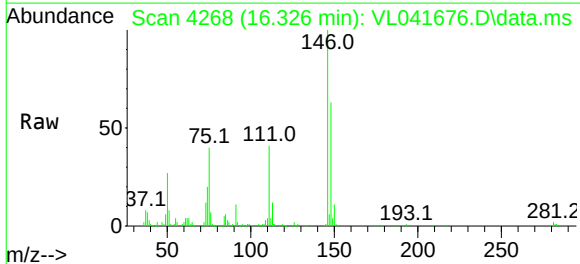
77 18.7 18.5 27.7





#75
1,3-Dichlorobenzene
Concen: 1.028 ppbv
RT: 16.326 min Scan# 4268
Delta R.T. 0.000 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

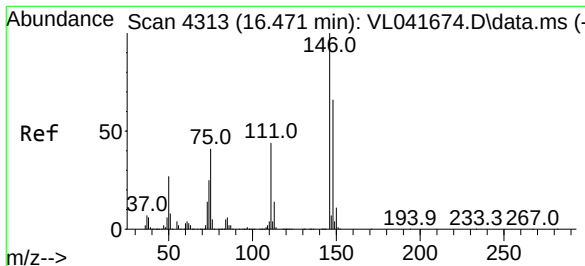
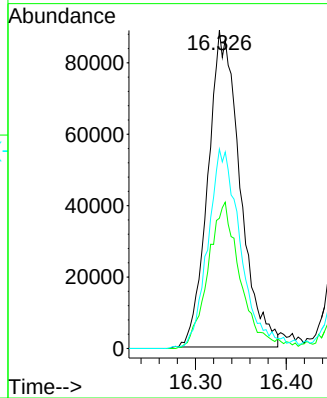
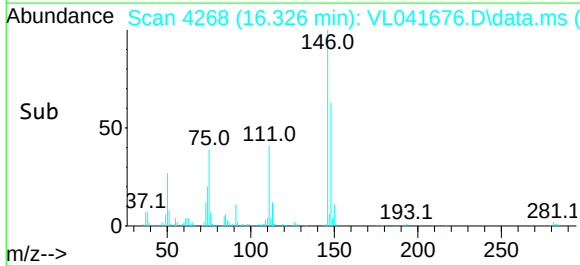
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



Tgt Ion:146 Resp: 218228
Ion Ratio Lower Upper
146 100
111 46.5 22.8 68.3
148 65.1 32.4 97.0

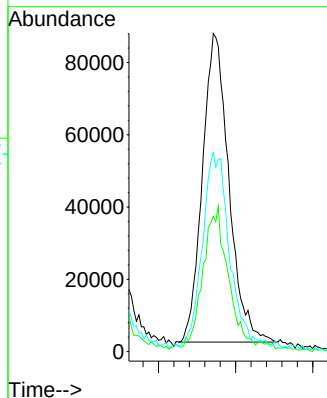
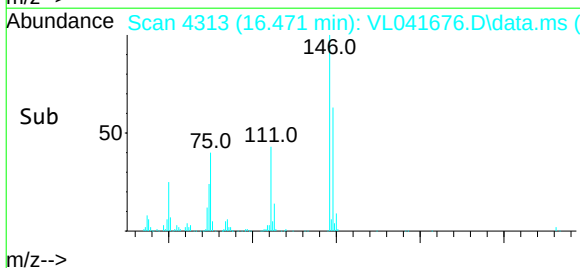
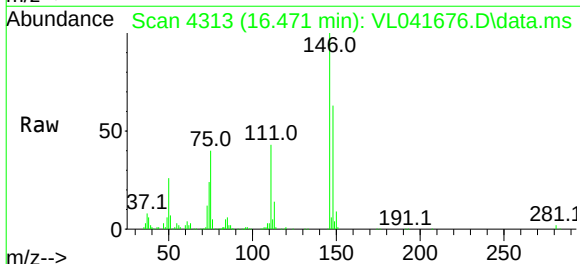
Manual Integrations
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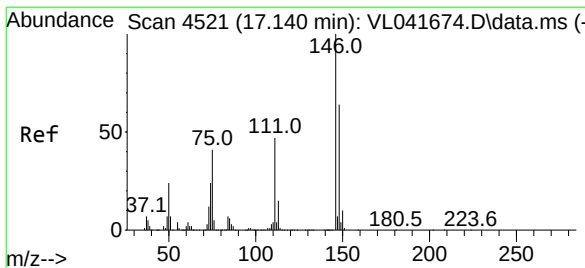
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#76
1,4-Dichlorobenzene
Concen: 0.973 ppbv
RT: 16.471 min Scan# 4313
Delta R.T. 0.000 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

Tgt Ion:146 Resp: 203100
Ion Ratio Lower Upper
146 100
111 48.9 22.1 66.3
148 69.1 33.3 99.8





#77

1,2-Dichlorobenzene

Concen: 1.050 ppbv

RT: 17.143 min Scan# 4521

Delta R.T. 0.003 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

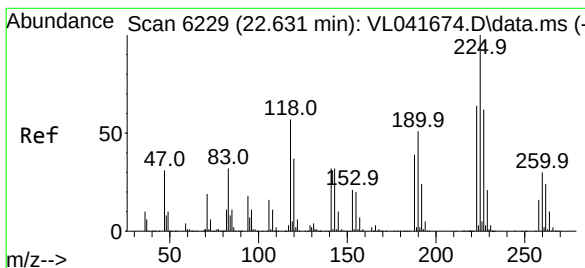
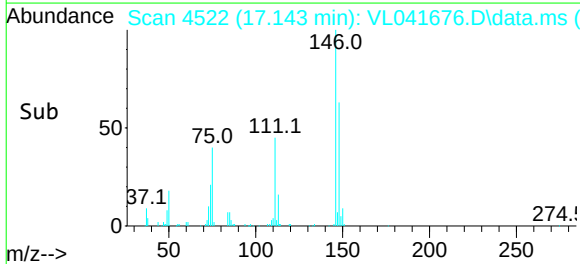
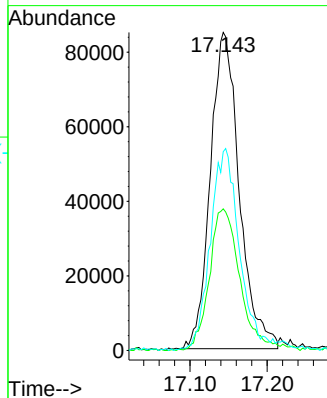
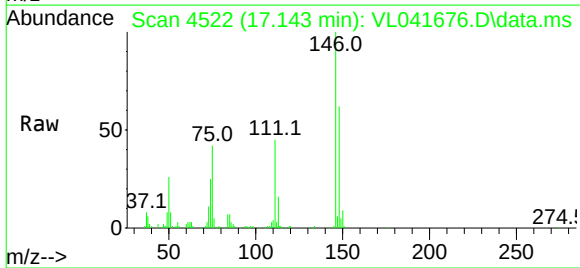
VSTDIC001

Tgt Ion:	146	Resp:	221404
Ion Ratio	Lower	Upper	
146	100		
111	48.3	23.4	70.3
148	66.2	32.1	96.5

Manual Integrations

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Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#78

Hexachloro-1,3-Butadiene

Concen: 1.140 ppbv m

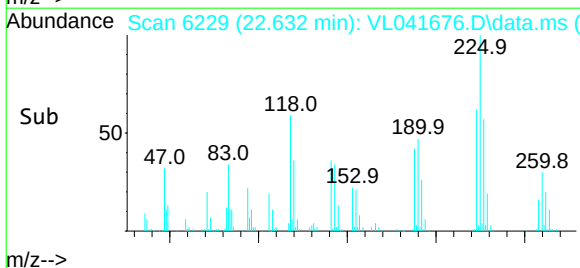
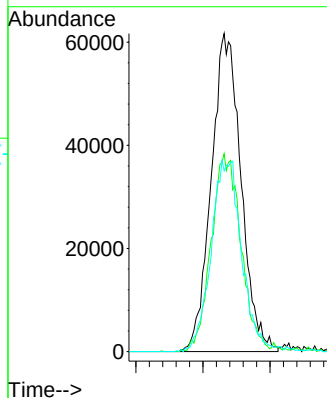
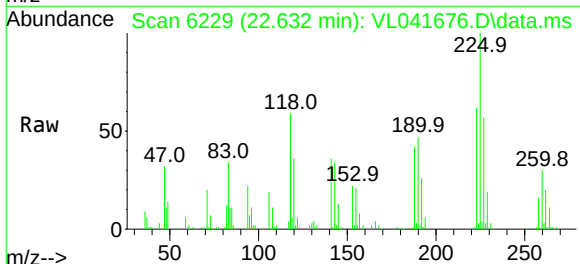
RT: 22.632 min Scan# 6229

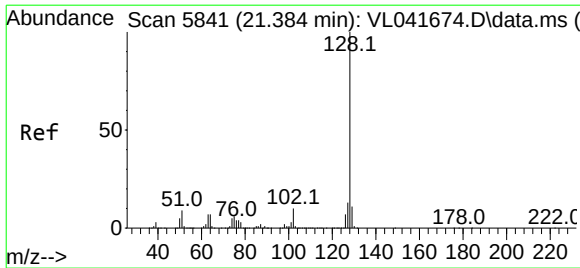
Delta R.T. 0.000 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Tgt Ion:	225	Resp:	190183
Ion Ratio	Lower	Upper	
225	100		
223	63.2	51.1	76.7
227	62.1	51.3	76.9





#79

Naphthalene

Concen: 1.070 ppbv m

RT: 21.394 min Scan# 5841

Delta R.T. 0.010 min

Lab File: VL041676.D

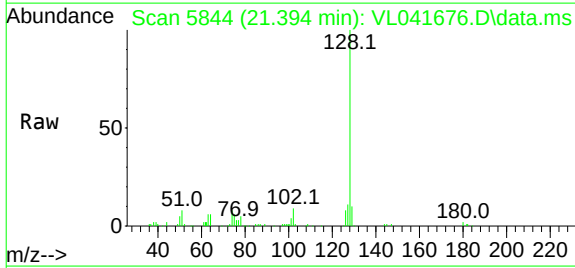
Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001



Tgt Ion:128 Resp: 226301

Ion Ratio Lower Upper

128 100

127 11.2 10.5 15.7

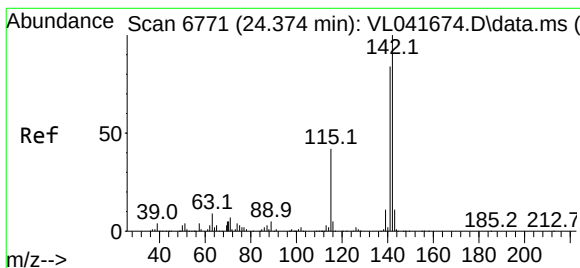
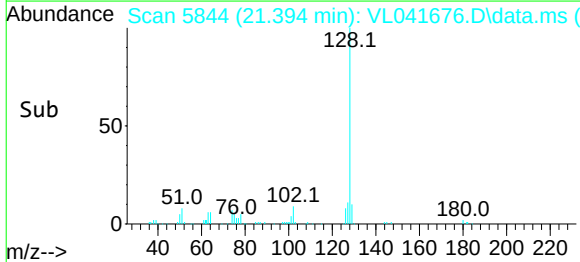
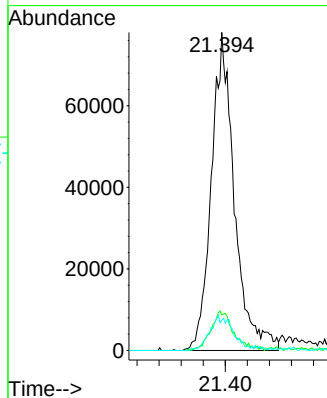
129 9.5 8.7 13.1

Manual Integrations

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Reviewed By :Mahesh Dadoda 11/09/2024

Supervised By :Semsettin Yesilyurt 11/09/2024



#80

Naphthalene,2-methyl-

Concen: 0.998 ppbv m

RT: 24.374 min Scan# 6771

Delta R.T. 0.000 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

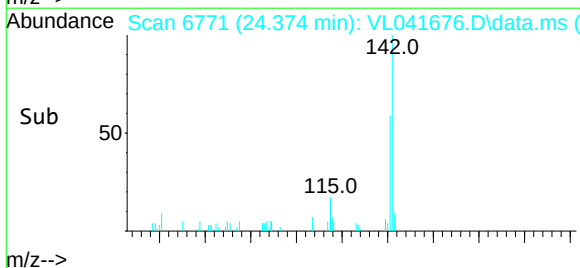
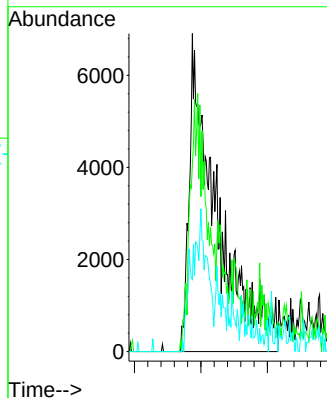
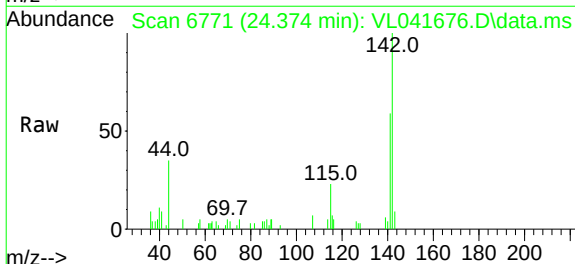
Tgt Ion:142 Resp: 39140

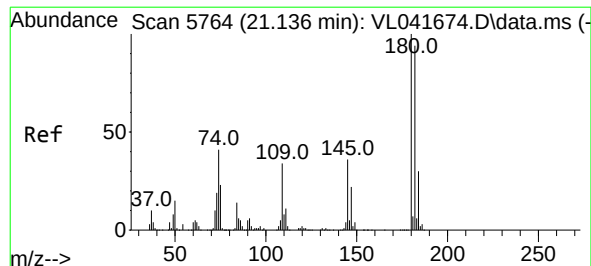
Ion Ratio Lower Upper

142 100

141 48.6 68.1 102.1#

115 32.3 33.1 49.7#





#81

1,2,4-Trichlorobenzene

Concen: 1.054 ppbv m

RT: 21.146 min Scan# 57

Delta R.T. 0.010 min

Lab File: VL041676.D

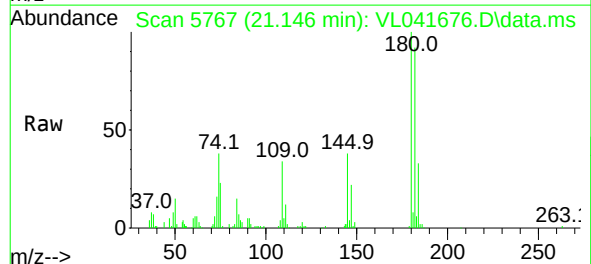
Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

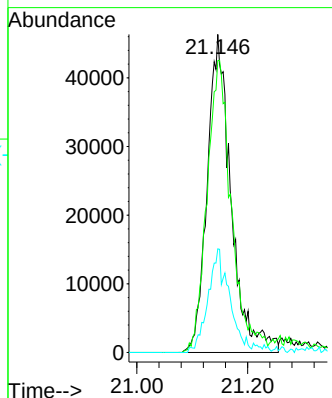
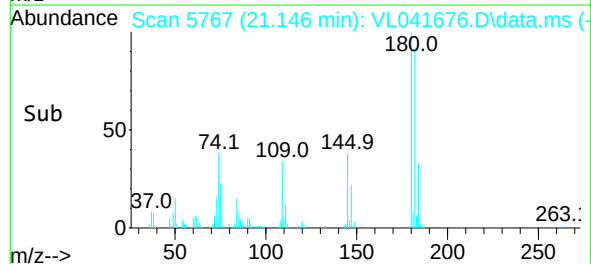


Tgt Ion:	180	Resp:	138641
Ion Ratio	Lower	Upper	
180	100		
182	93.4	78.2	117.2
184	30.6	25.0	37.4

Manual Integrations

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Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
 Data File : VL041677.D
 Acq On : 7 Nov 2024 12:13
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Quant Time: Nov 08 00:11:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Fri Nov 08 00:07:44 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024
 Supervised By :Semsettin Yesilyurt 11/09/2024

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

Internal Standards						
1) Bromochloromethane	5.189	49	1153970	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	3232256	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2900644	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	2213310	10.318	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.726	85	96069	0.461	ppbv	100
3) Chlorodifluoromethane	2.671	51	81180	0.540	ppbv	99
4) Chloromethane	2.809	50	41203	0.517	ppbv #	86
5) Vinyl Chloride	2.915	62	36174	0.501	ppbv	97
6) Bromomethane	3.118	94	19426	0.511	ppbv #	79
7) Chloroethane	3.192	64	13079	0.500	ppbv	90
8) Dichlorotetrafluoroethane	2.854	85	102861	0.552	ppbv	97
9) Propene	2.690	41	32642	0.498	ppbv	96
10) Heptane	7.578	43	63040	0.429	ppbv	99
11) Trichlorofluoromethane	3.558	101	92855	0.511	ppbv	89
12) 1,1,2-Trichlorotrifluo...	4.063	101	67243	0.509	ppbv	96
13) Ethanol	3.269	45	2080m	0.510	ppbv	
14) Bromoethene	3.362	108	28054	0.528	ppbv #	88
15) Acetone	3.481	43	69299	0.488	ppbv #	85
16) 1,3-Butadiene	2.983	39	33737	0.474	ppbv	88
17) tert-Butyl alcohol	3.890	59	61100	0.490	ppbv #	93
18) 1,1-Dichloroethene	3.877	96	30772	0.531	ppbv	97
19) Isopropyl Alcohol	3.597	45	32369m	0.471	ppbv	
20) Methylene Chloride	3.928	84	29673	0.568	ppbv	97
21) Allyl Chloride	3.993	41	39722	0.453	ppbv	86
22) trans-1,2-Dichloroethene	4.439	96	27393	0.474	ppbv	96
23) Vinyl Acetate	4.629	43	28383m	0.425	ppbv	
24) 1,1-Dichloroethane	4.562	63	61980	0.482	ppbv	99
25) Ethyl Acetate	5.211	43	140929	0.479	ppbv #	98
26) Hexane	5.211	57	50843	0.450	ppbv	81
27) Carbon Disulfide	4.121	76	52791	0.416	ppbv #	86
28) Methyl tert-Butyl Ether	4.594	73	34128	0.469	ppbv	96
29) Chloroform	5.266	83	98787	0.530	ppbv	93
30) Cyclohexane	6.600	84	51970m	0.573	ppbv	
31) cis-1,2-Dichloroethene	5.076	61	50385	0.464	ppbv	94
32) 1,1,1-Trichloroethane	5.999	97	84699	0.496	ppbv	96
34) 2-Butanone	4.796	43	78940	0.490	ppbv	99
35) Carbon Tetrachloride	6.488	117	89311m	0.523	ppbv	
36) Benzene	6.362	78	107078	0.447	ppbv	97
37) 1,2-Dichloroethane	5.803	62	64024	0.474	ppbv	97
38) Trichloroethene	7.291	130	42598	0.461	ppbv #	90
39) 1,2-Dichloropropane	7.070	63	44946	0.475	ppbv	93
40) 1,4-Dioxane	7.330	88	11696m	0.349	ppbv	
41) Tetrahydrofuran	5.574	42	37743m	0.411	ppbv	
42) Bromodichloromethane	7.246	83	86164	0.459	ppbv	97
43) Methyl Methacrylate	7.475	69	31683m	0.377	ppbv	
44) 2,2,4-Trimethylpentane	7.327	57	175510	0.433	ppbv	93
45) t-1,3-Dichloropropene	8.709	75	26475m	0.352	ppbv	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
 Data File : VL041677.D
 Acq On : 7 Nov 2024 12:13
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024
 Supervised By :Semsettin Yesilyurt 11/09/2024

Quant Time: Nov 08 00:11:14 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Fri Nov 08 00:07:44 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.143	75	41408m	0.379	ppbv	
47) 1,1,2-Trichloroethane	8.902	97	52244m	0.512	ppbv	
48) Dibromochloromethane	9.709	129	64053	0.411	ppbv	99
49) Bromoform	12.401	173	51263m	0.386	ppbv	
50) 4-Methyl-2-Pentanone	8.198	43	98725m	0.399	ppbv	
51) 2-Hexanone	9.577	43	66460m	0.370	ppbv	
52) Tetrachloroethene	10.610	164	40017m	0.489	ppbv	
53) Toluene	9.221	91	90468	0.359	ppbv	99
54) 1,2-Dibromoethane	10.008	107	57696m	0.484	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.510	131	61817	0.512	ppbv #	1
57) Chlorobenzene	11.520	112	113601m	0.525	ppbv	
58) Ethyl Benzene	12.089	91	125893m	0.392	ppbv	
59) m/p-Xylene	12.372	91	241360m	0.840	ppbv	
60) o-Xylene	13.060	91	111856	0.408	ppbv	99
61) Styrene	12.899	104	36189m	0.320	ppbv	
62) Isopropylbenzene	14.031	105	187478	0.443	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.050	83	100534	0.503	ppbv	96
64) n-propylbenzene	14.921	120	47206m	0.426	ppbv	
65) tert-Butylbenzene	16.092	119	162846	0.428	ppbv	95
66) Benzyl Chloride	16.330	91	12069m	0.440	ppbv	
67) sec-Butylbenzene	16.638	105	230007	0.429	ppbv	100
69) p-Isopropyltoluene	16.995	119	169014	0.389	ppbv	95
70) n-Butylbenzene	17.892	91	178790m	0.402	ppbv	
71) 2-Chlorotoluene	14.802	91	122982	0.401	ppbv	100
72) 4-Ethyltoluene	15.191	105	125281m	0.393	ppbv	
73) 1,3,5-Trimethylbenzene	15.355	105	115096m	0.412	ppbv	
74) 1,2,4-Trimethylbenzene	16.111	105	142178	0.437	ppbv #	87
75) 1,3-Dichlorobenzene	16.333	146	93240m	0.464	ppbv	
76) 1,4-Dichlorobenzene	16.478	146	93341m	0.473	ppbv	
77) 1,2-Dichlorobenzene	17.146	146	93228	0.468	ppbv	94
78) Hexachloro-1,3-Butadiene	22.638	225	89942m	0.570	ppbv	
79) Naphthalene	21.397	128	76368m	0.382	ppbv	
80) Naphthalene,2-methyl-	24.410	142	17526m	0.473	ppbv	
81) 1,2,4-Trichlorobenzene	21.149	180	52746m	0.424	ppbv	

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

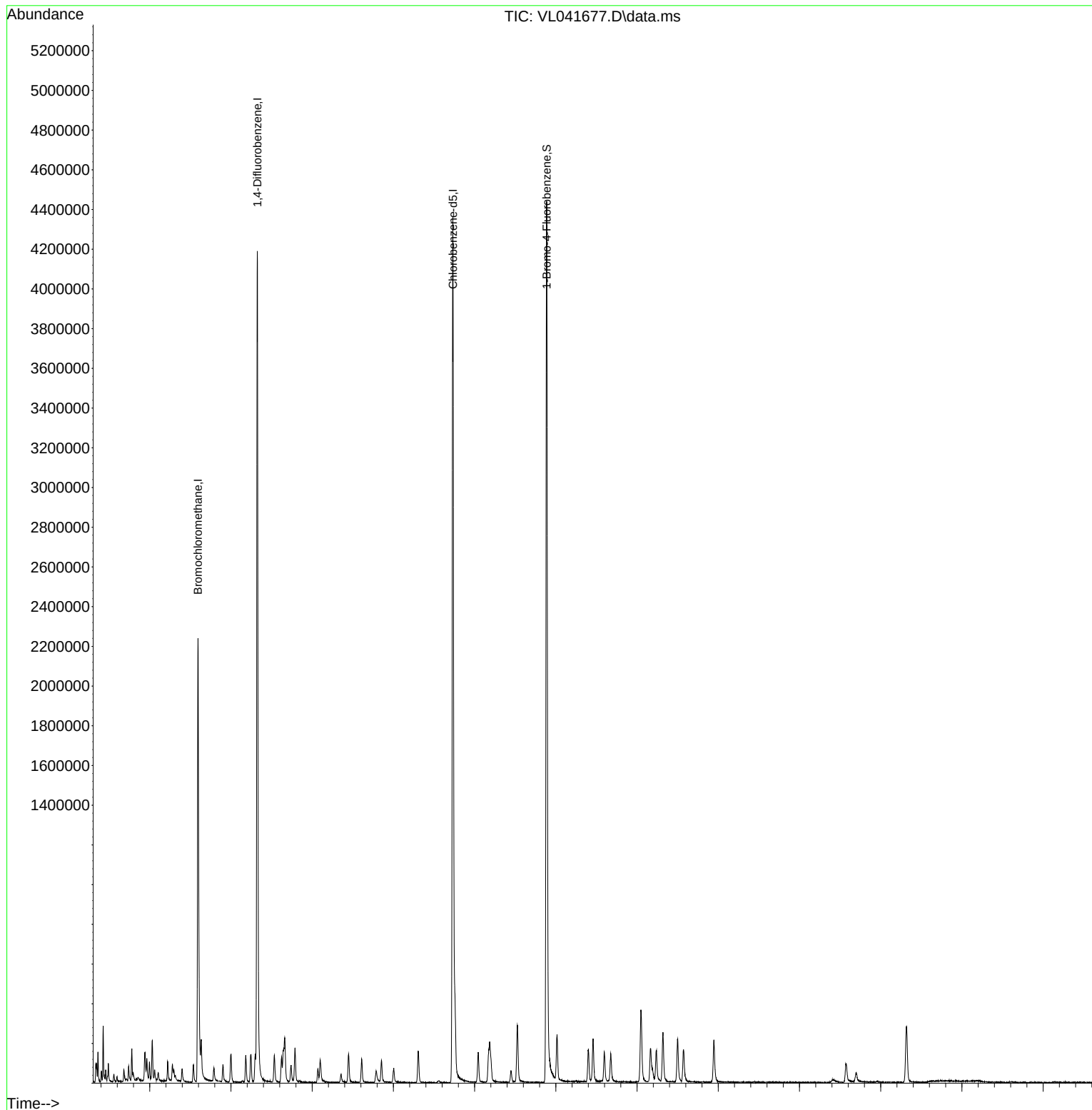
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Acq On : 7 Nov 2024 12:13
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

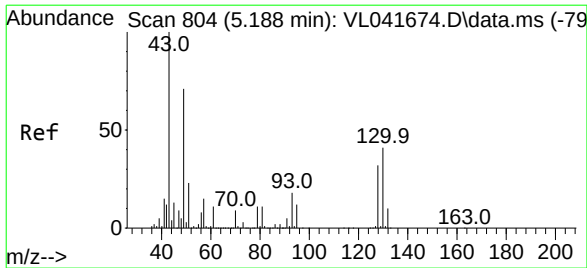
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MSVOA_L
ClientSampleId :
VSTDICC0.5

Quant Time: Nov 08 00:11:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Nov 08 00:07:44 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

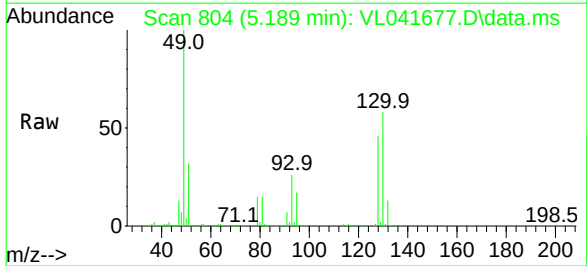
Reviewed By : Mahesh Dadoda 11/09/2024
Supervised By : Semsettin Yesilyurt 11/09/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.189 min Scan# 804
Delta R.T. 0.001 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13

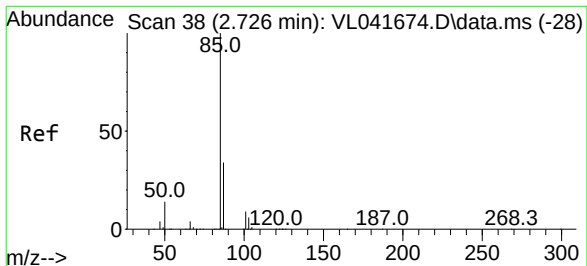
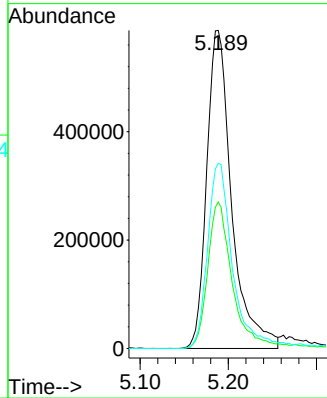
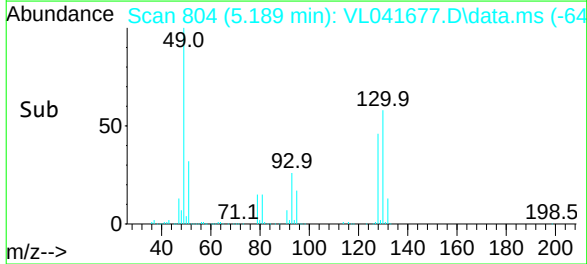
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 49 Resp: 1153976
Ion Ratio Lower Upper
49 100
128 47.2 23.8 71.2
130 59.9 30.1 90.5

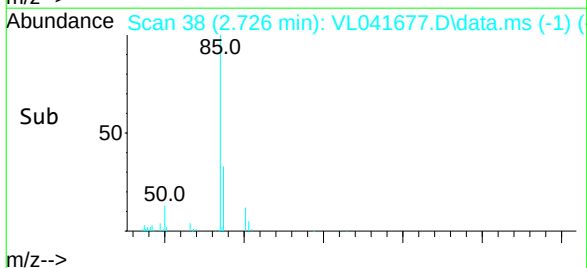
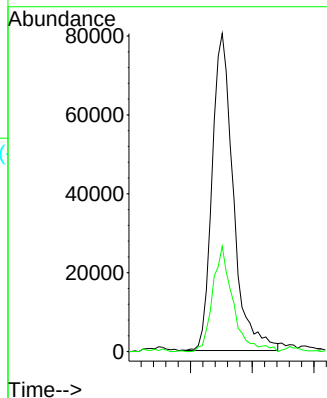
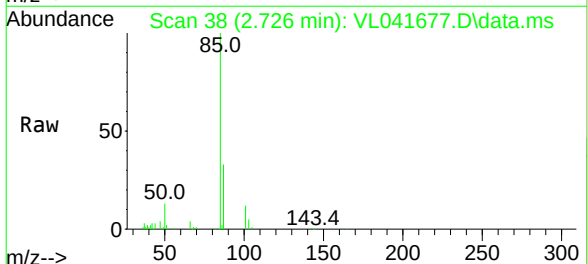
Manual Integrations
APPROVED

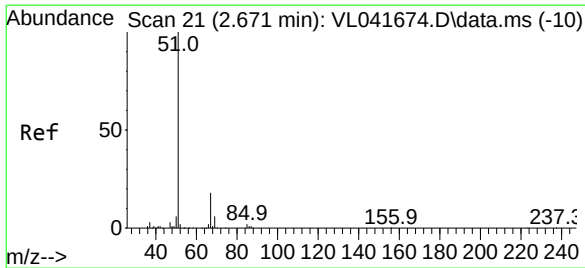
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#2
Dichlorodifluoromethane
Concen: 0.461 ppbv
RT: 2.726 min Scan# 38
Delta R.T. 0.000 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13

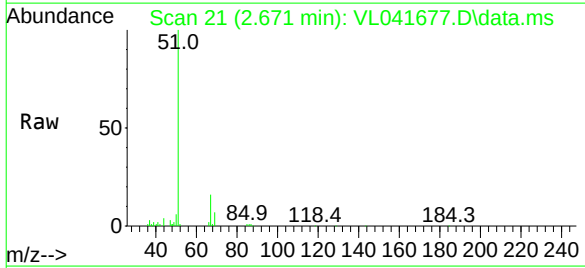
Tgt Ion: 85 Resp: 96069
Ion Ratio Lower Upper
85 100
87 33.2 26.8 40.2





#3
Chlorodifluoromethane
Concen: 0.540 ppbv
RT: 2.671 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13

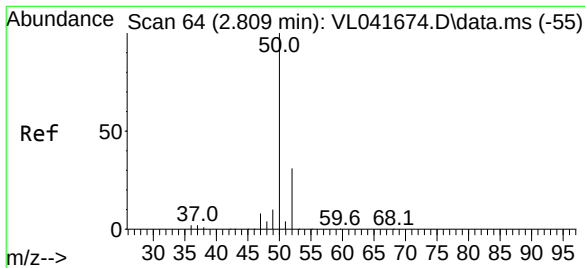
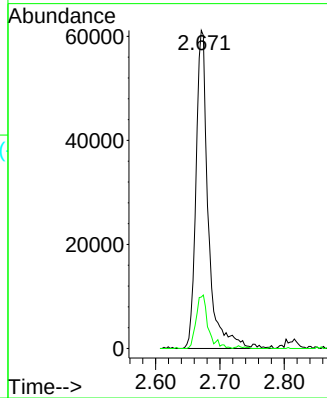
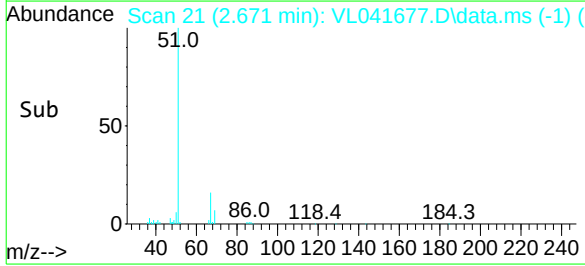
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



Tgt Ion: 51 Resp: 81180
Ion Ratio Lower Upper
51 100
67 16.8 13.9 20.9

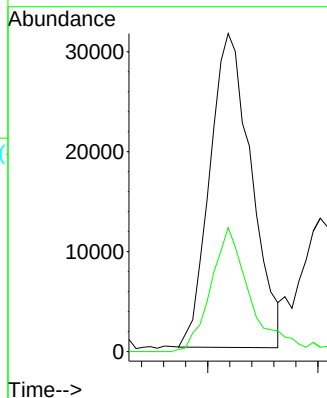
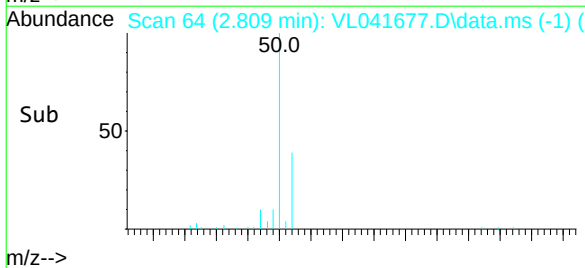
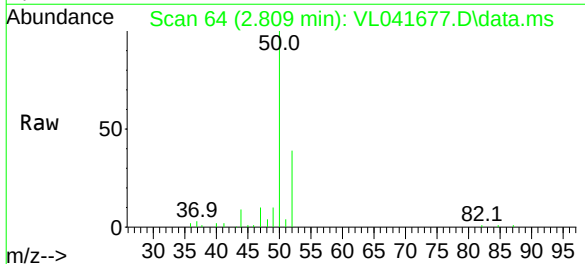
Manual Integrations
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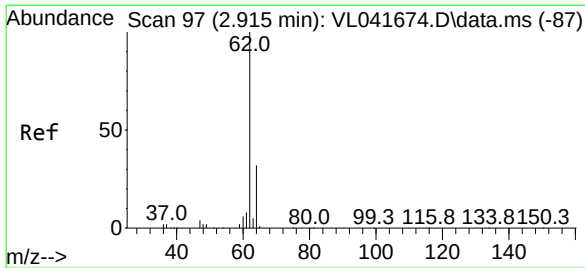
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#4
Chloromethane
Concen: 0.517 ppbv
RT: 2.809 min Scan# 64
Delta R.T. 0.000 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13

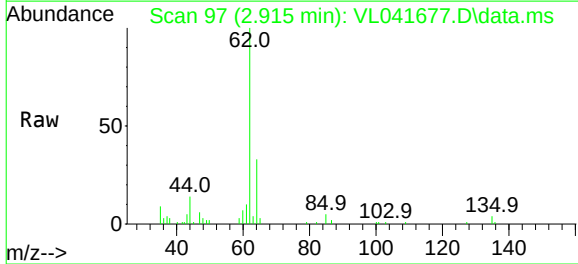
Tgt Ion: 50 Resp: 41203
Ion Ratio Lower Upper
50 100
52 38.9 24.9 37.3





#5
 Vinyl Chloride
 Concen: 0.501 ppbv
 RT: 2.915 min Scan# 97
 Delta R.T. 0.000 min
 Lab File: VL041677.D
 Acq: 7 Nov 2024 12:13

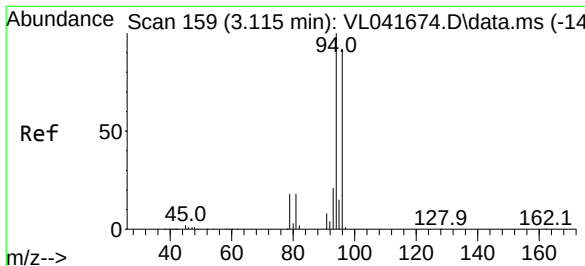
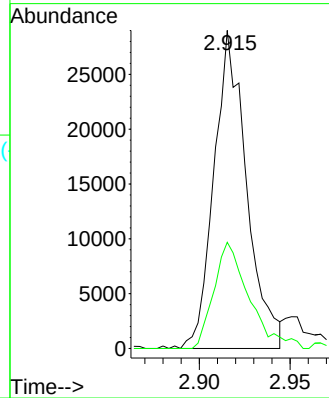
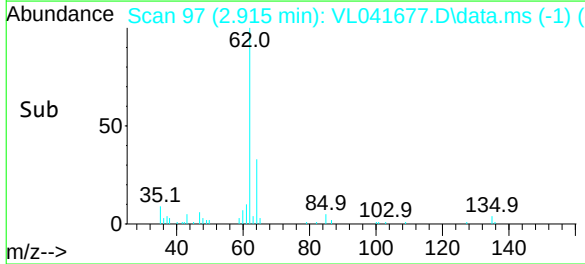
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



Tgt Ion: 62 Resp: 36174
 Ion Ratio Lower Upper
 62 100
 64 33.4 25.4 38.2

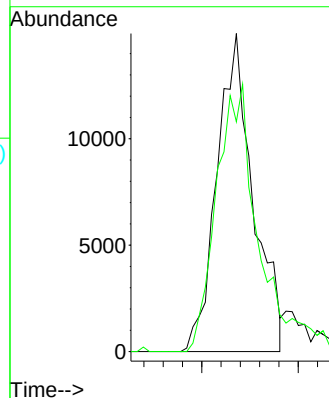
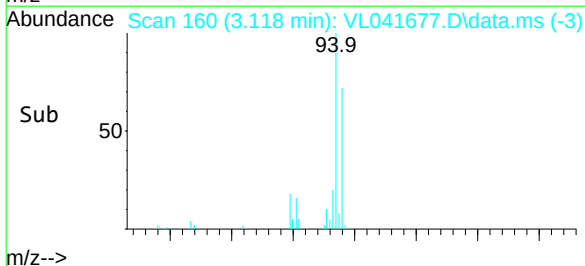
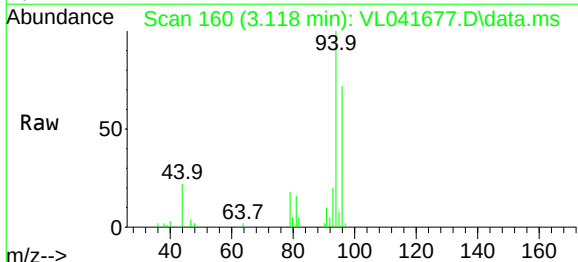
Manual Integrations
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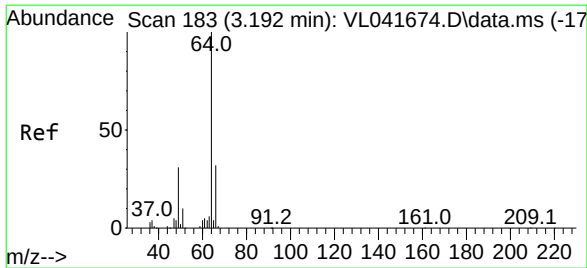
Reviewed By :Mahesh Dadoda 11/09/2024
 Supervised By :Semsettin Yesilyurt 11/09/2024



#6
 Bromomethane
 Concen: 0.511 ppbv
 RT: 3.118 min Scan# 160
 Delta R.T. 0.003 min
 Lab File: VL041677.D
 Acq: 7 Nov 2024 12:13

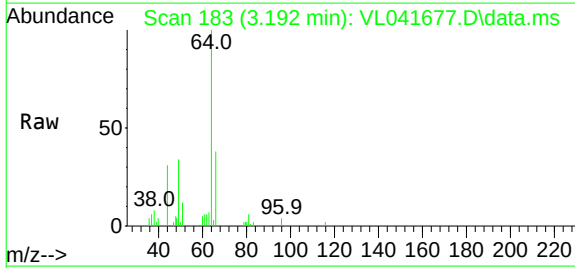
Tgt Ion: 94 Resp: 19426
 Ion Ratio Lower Upper
 94 100
 96 72.2 73.4 110.2#





#7
Chloroethane
Concen: 0.500 ppbv
RT: 3.192 min Scan# 183
Delta R.T. 0.000 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13

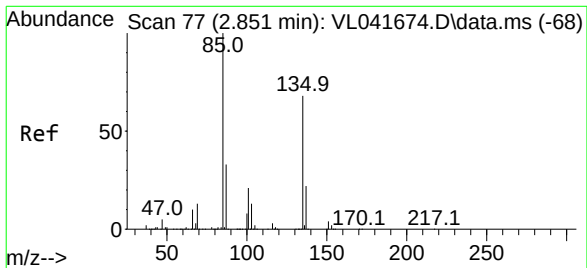
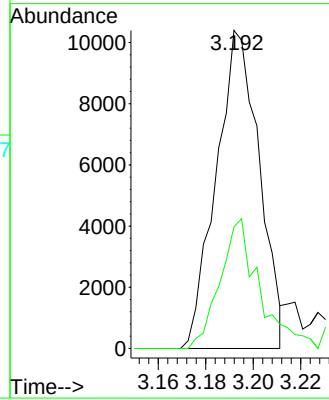
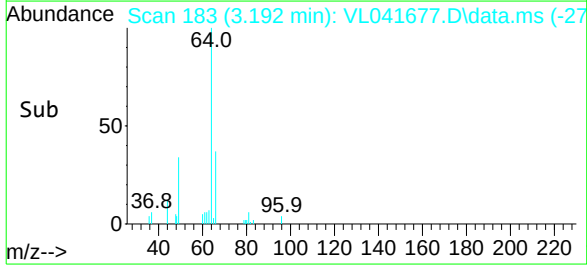
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



Tgt Ion: 64 Resp: 13079
Ion Ratio Lower Upper
64 100
66 38.3 25.9 38.9

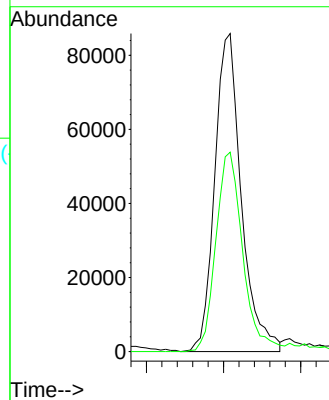
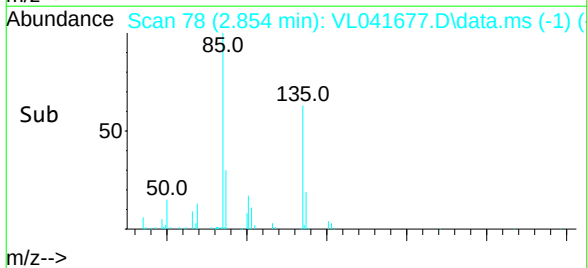
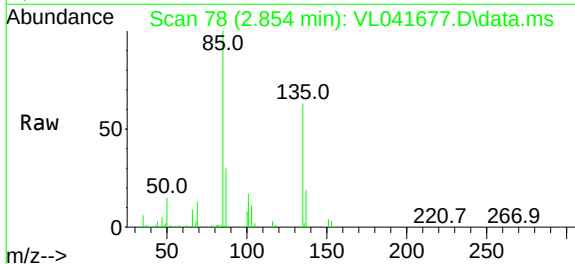
Manual Integrations
APPROVED

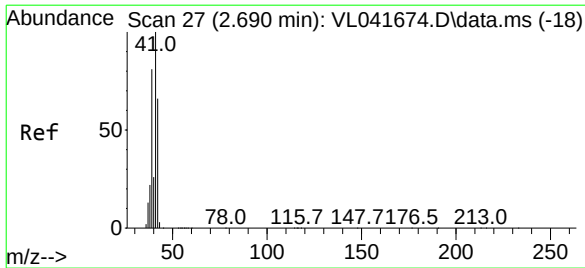
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#8
Dichlorotetrafluoroethane
Concen: 0.552 ppbv
RT: 2.854 min Scan# 78
Delta R.T. 0.003 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13

Tgt Ion: 85 Resp: 102861
Ion Ratio Lower Upper
85 100
135 67.0 55.5 83.3





#9

Propene

Concen: 0.498 ppbv

RT: 2.690 min Scan# 27

Delta R.T. 0.000 min

Lab File: VL041677.D

Acq: 7 Nov 2024 12:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 41 Resp: 32642

Ion Ratio Lower Upper

41 100

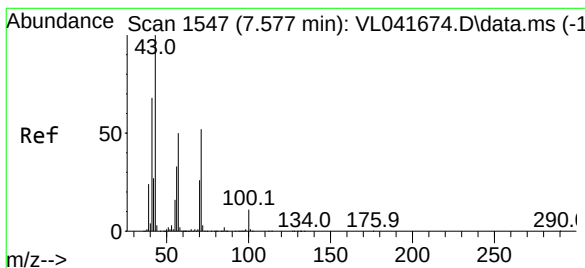
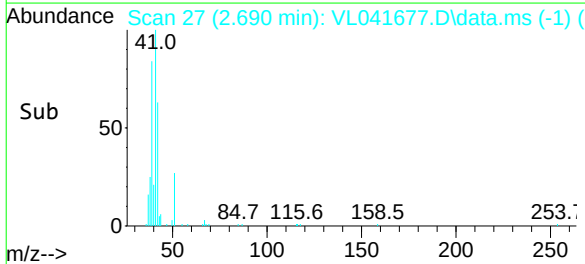
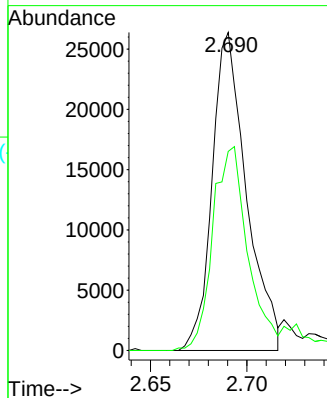
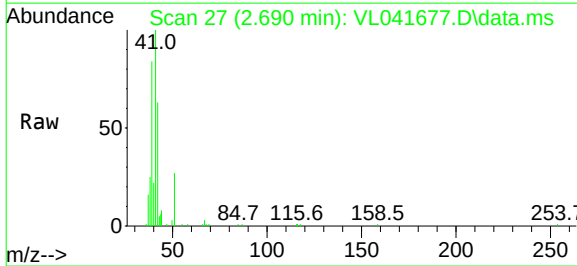
42 72.3 55.0 82.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024

Supervised By :Semsettin Yesilyurt 11/09/2024



#10

Heptane

Concen: 0.429 ppbv

RT: 7.578 min Scan# 1547

Delta R.T. 0.000 min

Lab File: VL041677.D

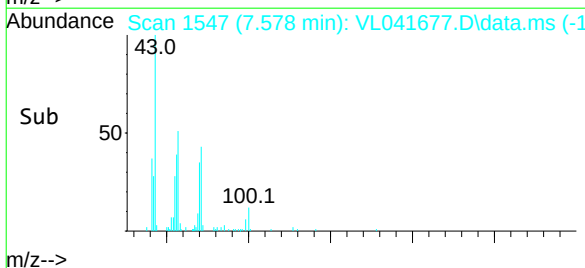
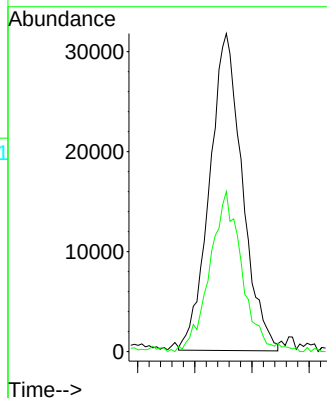
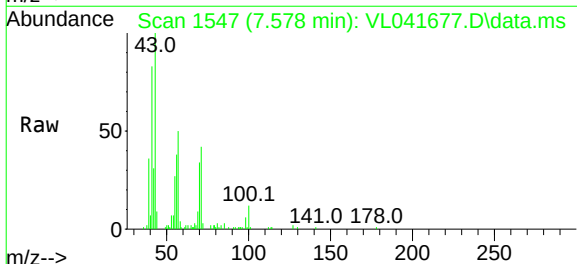
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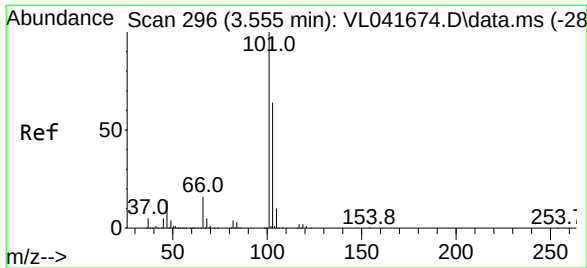
Tgt Ion: 43 Resp: 63040

Ion Ratio Lower Upper

43 100

57 50.4 40.0 60.0





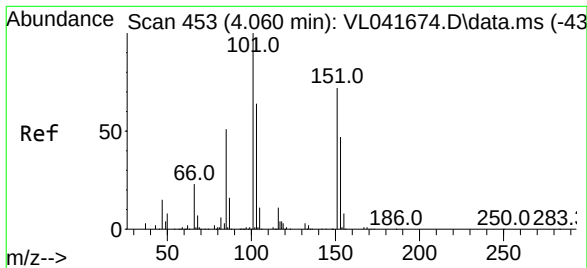
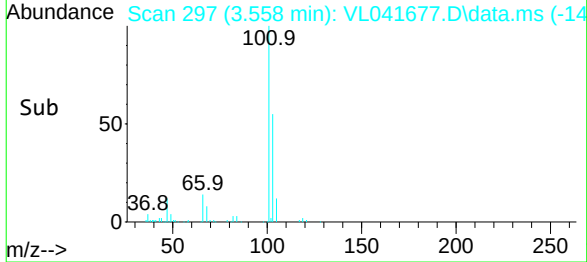
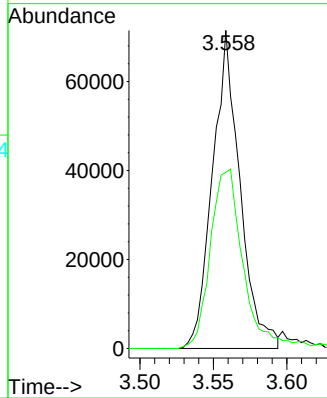
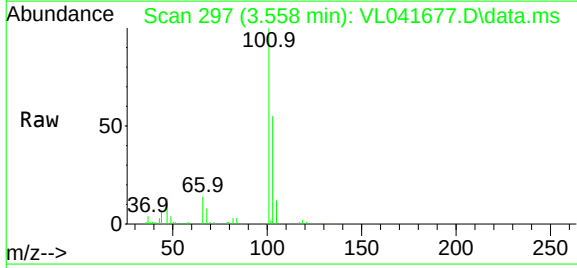
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Trichlorofluoromethane
Concen: 0.511 ppbv
RT: 3.558 min Scan# 296
Delta R.T. 0.003 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:101 Resp: 92855
Ion Ratio Lower Upper
101 100
103 55.4 51.0 76.6

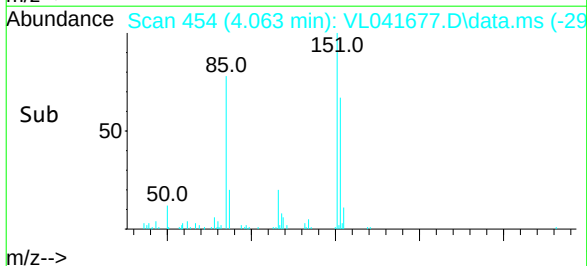
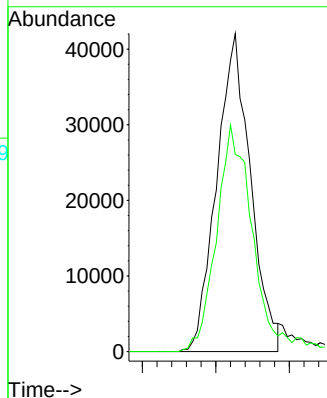
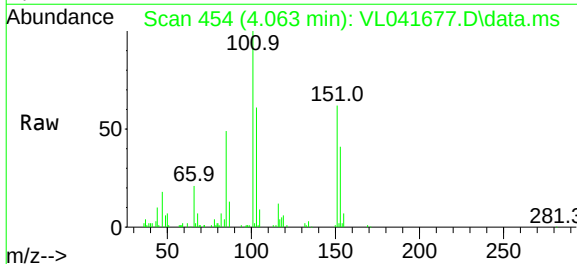
Manual Integrations
APPROVED

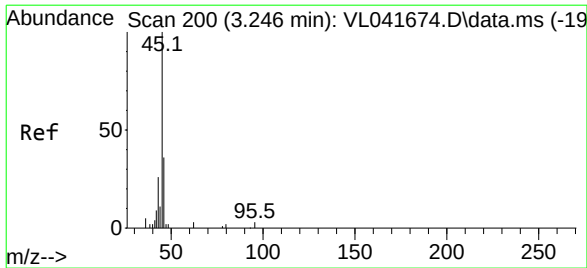
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.509 ppbv
RT: 4.063 min Scan# 454
Delta R.T. 0.003 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13

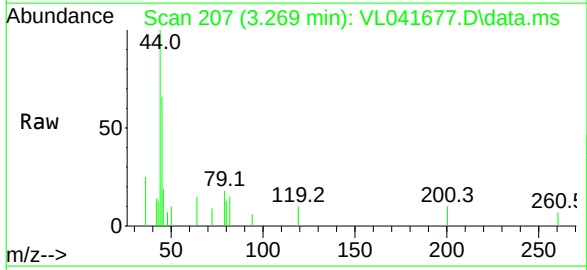
Tgt Ion:101 Resp: 67243
Ion Ratio Lower Upper
101 100
151 77.5 59.1 88.7





#13
Ethanol
Concen: 0.510 ppbv m
RT: 3.269 min Scan# 207
Delta R.T. 0.023 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13

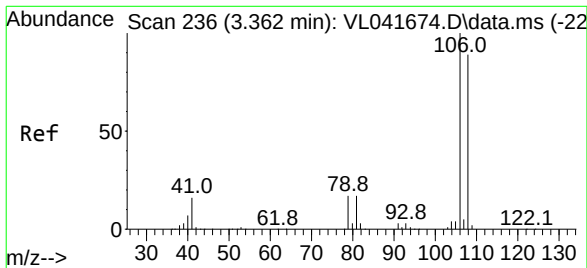
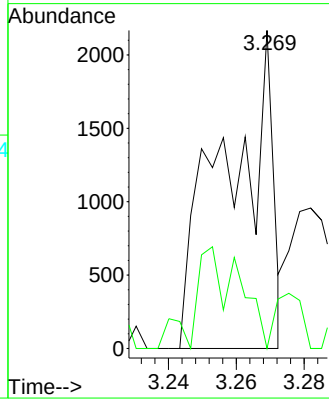
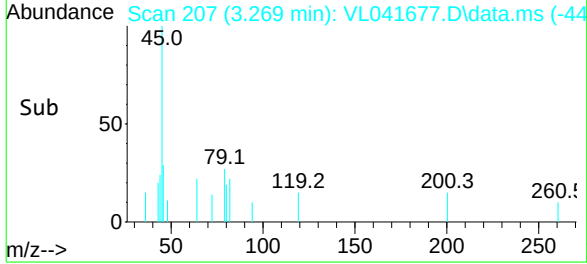
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



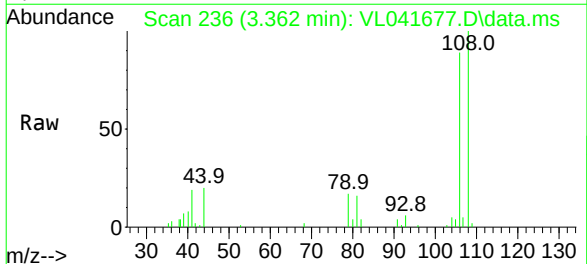
Tgt Ion: 45 Resp: 2080
Ion Ratio Lower Upper
45 100
46 50.9 13.8 55.2

Manual Integrations
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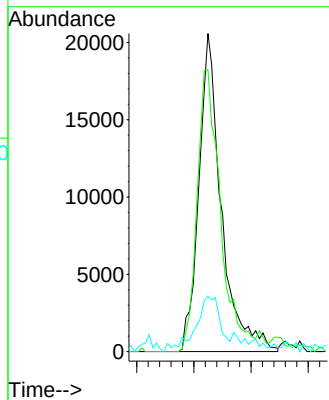
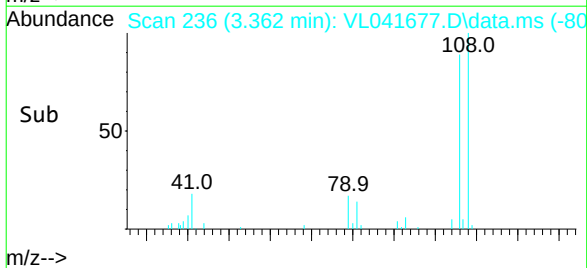
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024

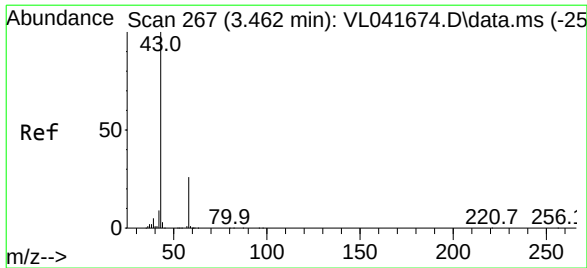


#14
Bromoethene
Concen: 0.528 ppbv
RT: 3.362 min Scan# 236
Delta R.T. 0.000 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13



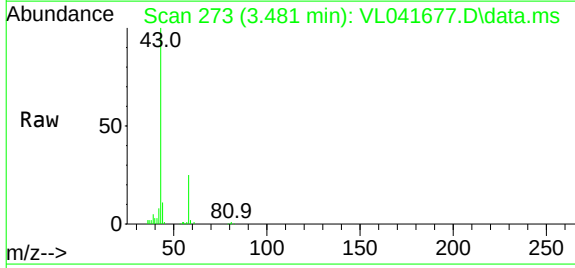
Tgt Ion:108 Resp: 28054
Ion Ratio Lower Upper
108 100
106 98.7 88.6 133.0
79 24.9 15.6 23.4#





#15
Acetone
Concen: 0.488 ppbv
RT: 3.481 min Scan# 27
Delta R.T. 0.019 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13

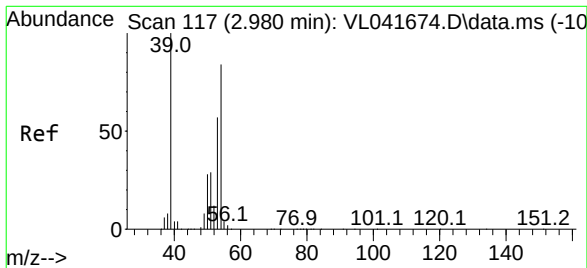
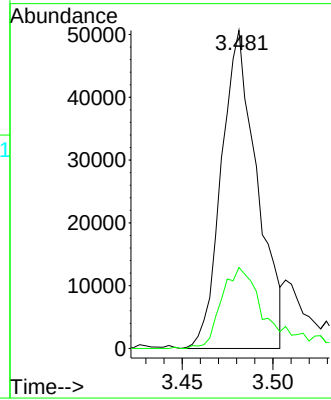
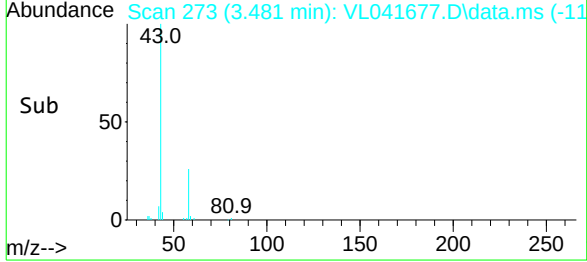
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 43 Resp: 69299
Ion Ratio Lower Upper
43 100
58 34.4 21.4 32.0

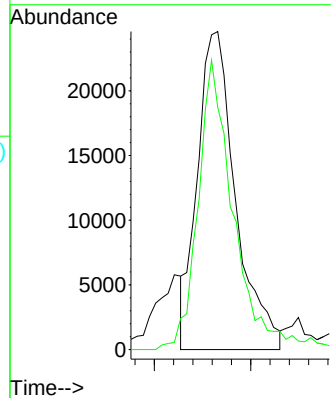
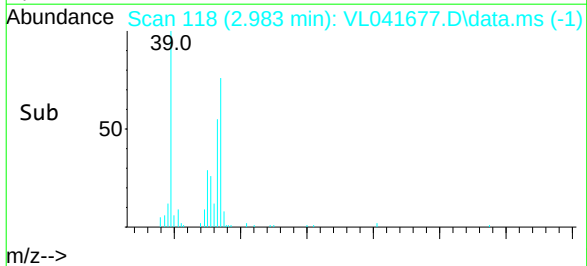
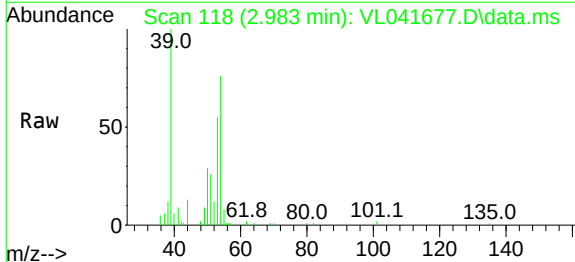
Manual Integrations
APPROVED

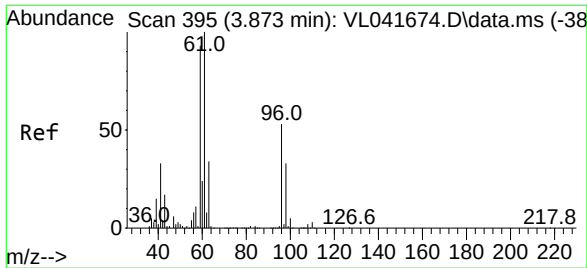
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#16
1,3-Butadiene
Concen: 0.474 ppbv
RT: 2.983 min Scan# 118
Delta R.T. 0.003 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13

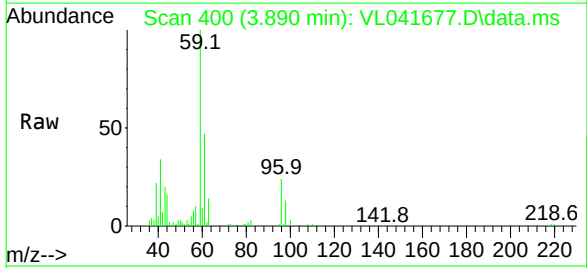
Tgt Ion: 39 Resp: 33737
Ion Ratio Lower Upper
39 100
54 86.9 61.3 91.9





#17
tert-Butyl alcohol
Concen: 0.490 ppbv
RT: 3.890 min Scan# 40
Delta R.T. 0.016 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13

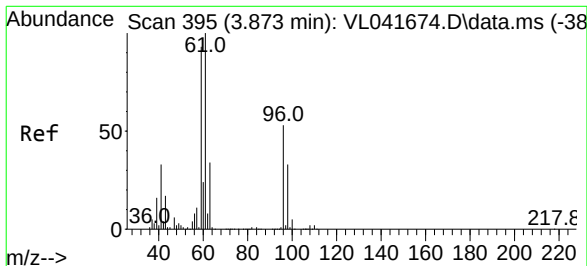
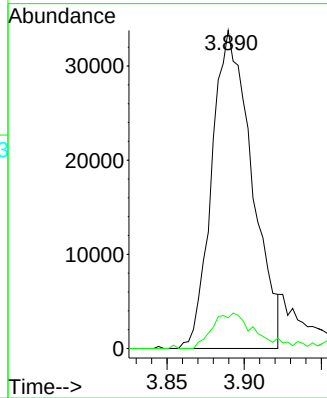
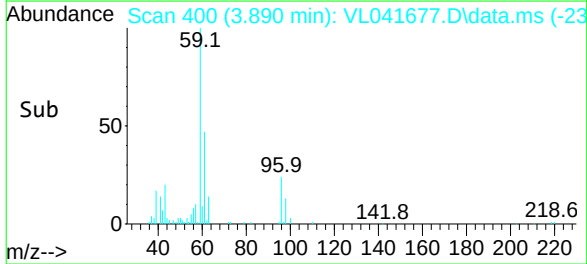
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



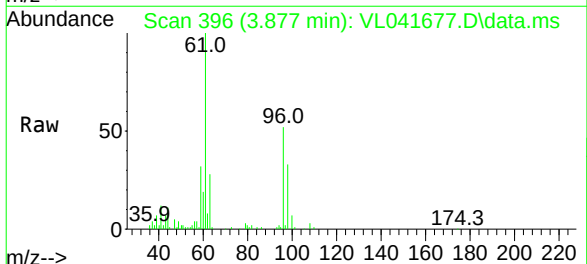
Tgt Ion: 59 Resp: 61100
Ion Ratio Lower Upper
59 100
57 13.4 8.5 12.7#

Manual Integrations
APPROVED

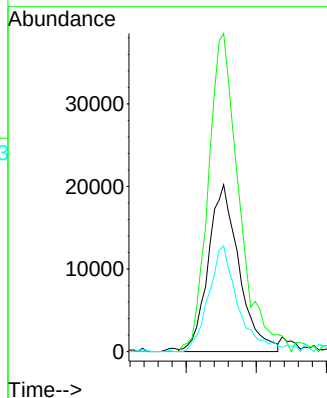
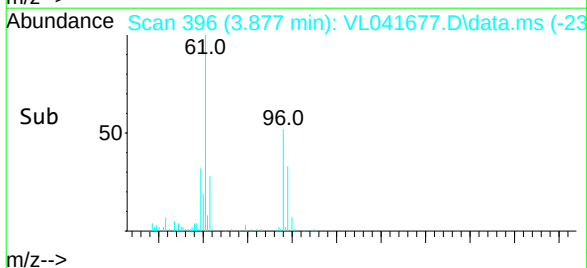
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024

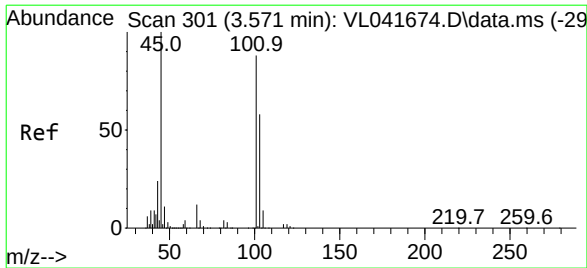


#18
1,1-Dichloroethene
Concen: 0.531 ppbv
RT: 3.877 min Scan# 396
Delta R.T. 0.003 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13



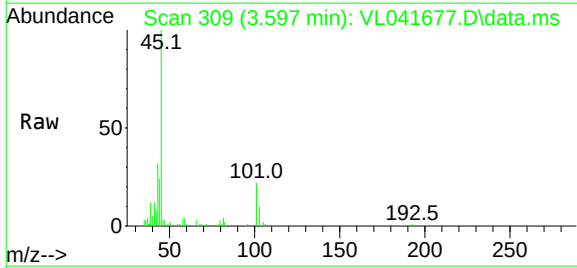
Tgt Ion: 96 Resp: 30772
Ion Ratio Lower Upper
96 100
61 192.9 150.7 226.1
98 64.1 49.4 74.2





#19
Isopropyl Alcohol
Concen: 0.471 ppbv m
RT: 3.597 min Scan# 301
Delta R.T. 0.026 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13

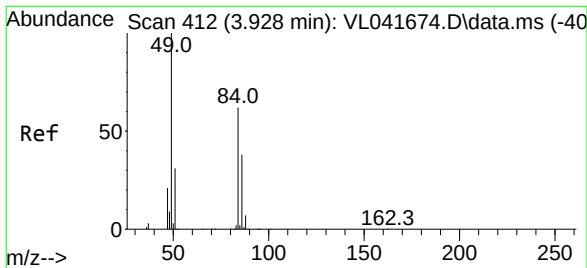
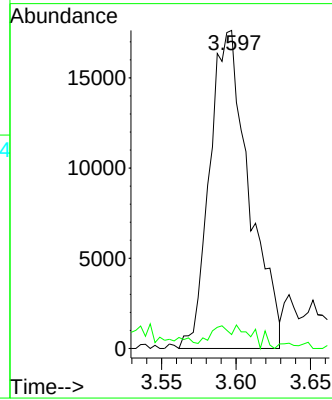
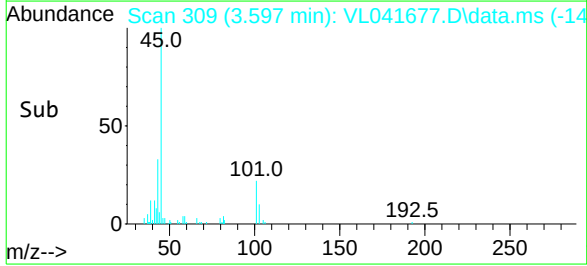
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



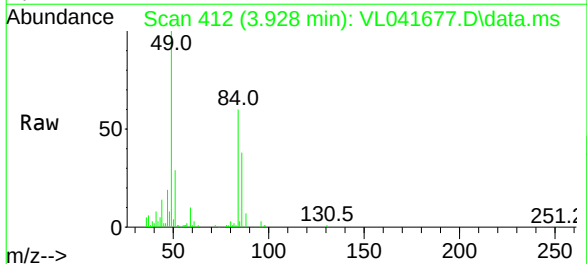
Tgt Ion: 45 Resp: 32369
Ion Ratio Lower Upper
45 100
58 9.0 2.5 3.7#

Manual Integrations
APPROVED

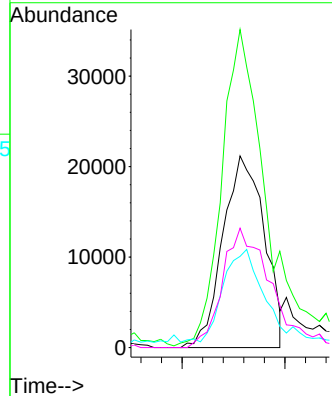
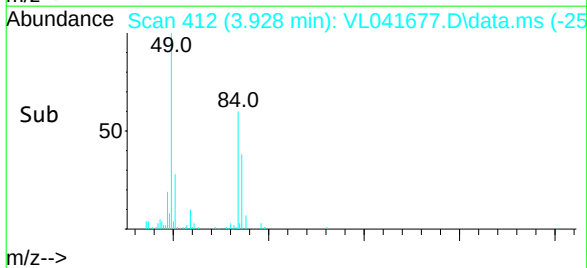
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024

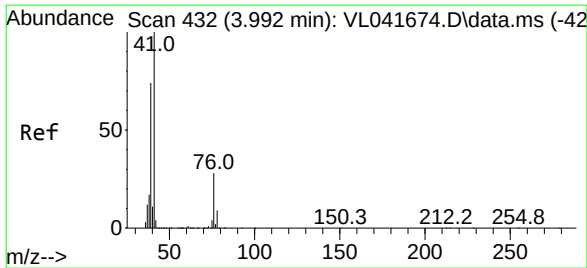


#20
Methylene Chloride
Concen: 0.568 ppbv
RT: 3.928 min Scan# 412
Delta R.T. 0.000 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13



Tgt Ion: 84 Resp: 29673
Ion Ratio Lower Upper
84 100
49 163.5 129.7 194.5
51 42.1 39.8 59.6
86 62.3 49.1 73.7





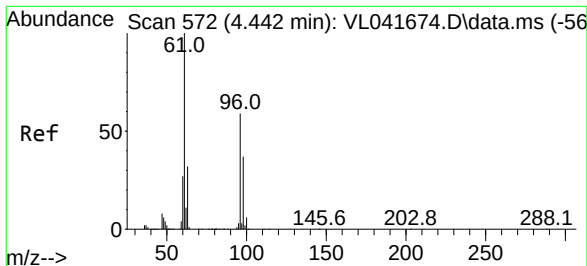
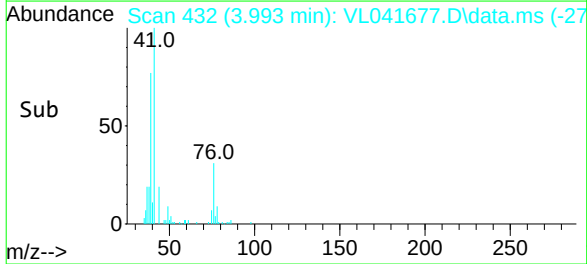
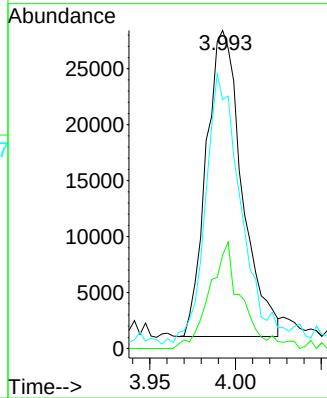
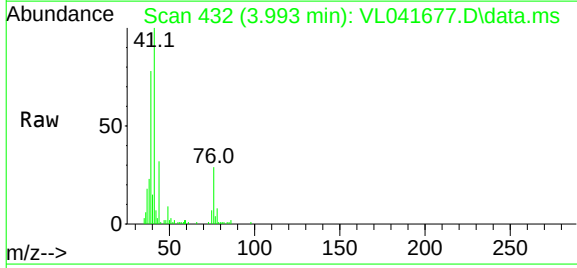
#21
 Allyl Chloride
 Concen: 0.453 ppbv
 RT: 3.993 min Scan# 432
 Delta R.T. 0.000 min
 Lab File: VL041677.D
 Acq: 7 Nov 2024 12:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 41	Resp: 39722
Ion Ratio	Lower Upper
41 100	
76 32.6	23.5 35.3
39 93.7	63.0 94.4

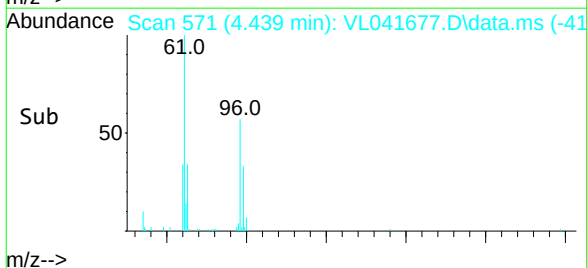
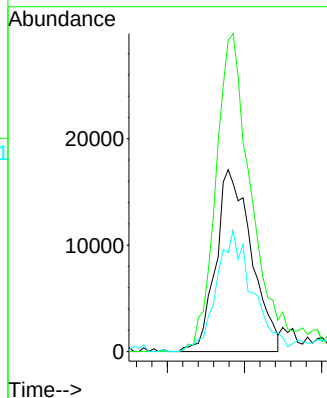
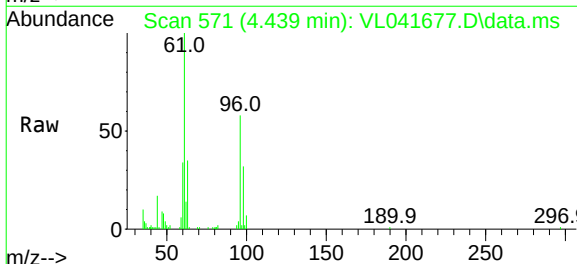
Manual Integrations
 APPROVED

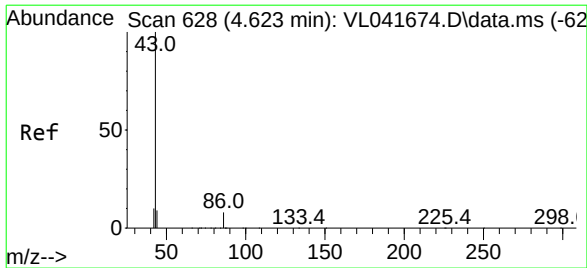
Reviewed By :Mahesh Dadoda 11/09/2024
 Supervised By :Semsettin Yesilyurt 11/09/2024



#22
 trans-1,2-Dichloroethene
 Concen: 0.474 ppbv
 RT: 4.439 min Scan# 571
 Delta R.T. -0.003 min
 Lab File: VL041677.D
 Acq: 7 Nov 2024 12:13

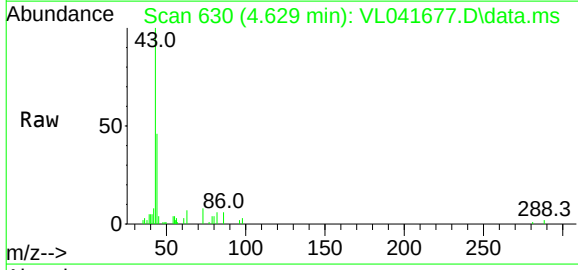
Tgt Ion: 96	Resp: 27393
Ion Ratio	Lower Upper
96 100	
61 171.0	134.5 201.7
98 54.4	49.6 74.4





#23
 Vinyl Acetate
 Concen: 0.425 ppbv m
 RT: 4.629 min Scan# 63
 Delta R.T. 0.007 min
 Lab File: VL041677.D
 Acq: 7 Nov 2024 12:13

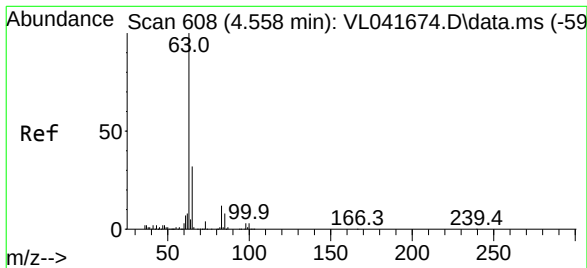
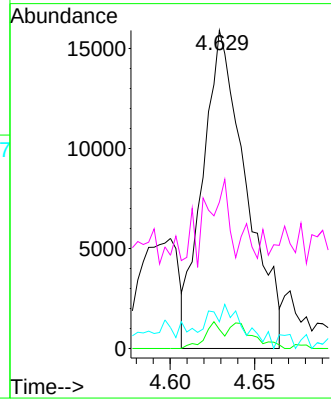
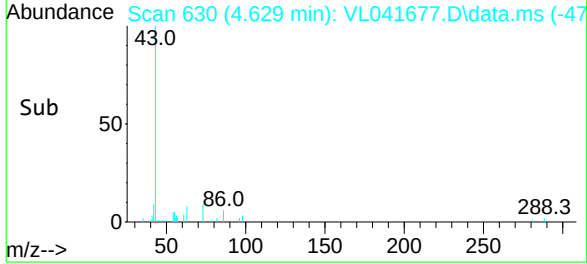
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



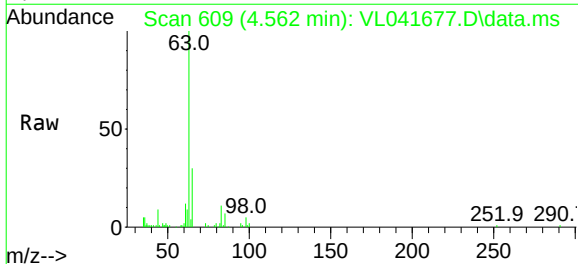
Tgt Ion: 43	Resp: 28383
Ion Ratio	Lower Upper
43 100	
86 6.0	5.3 7.9
42 8.4	8.5 12.7#
44 46.0	6.7 10.1#

Manual Integrations
 APPROVED

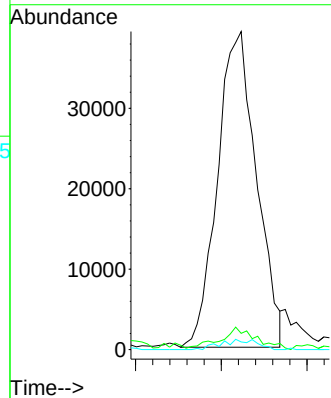
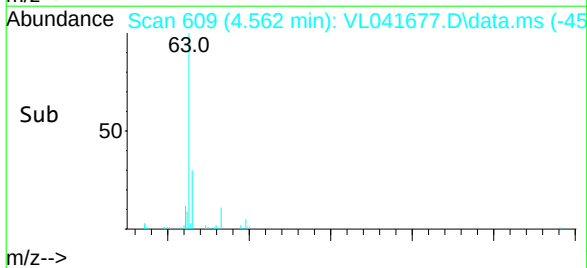
Reviewed By :Mahesh Dadoda 11/09/2024
 Supervised By :Semsettin Yesilyurt 11/09/2024

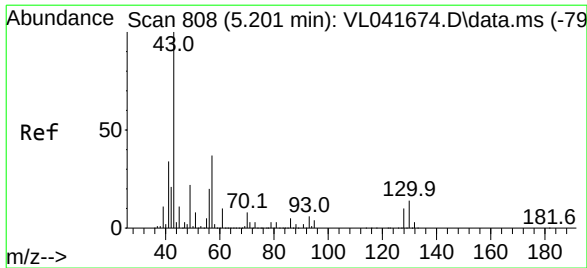


#24
 1,1-Dichloroethane
 Concen: 0.482 ppbv
 RT: 4.562 min Scan# 609
 Delta R.T. 0.003 min
 Lab File: VL041677.D
 Acq: 7 Nov 2024 12:13



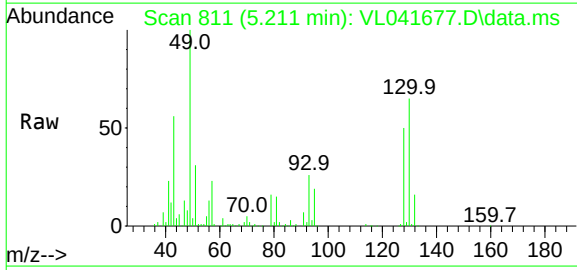
Tgt Ion: 63	Resp: 61980
Ion Ratio	Lower Upper
63 100	
98 3.8	1.8 5.4
100 2.4	1.4 4.2





#25
Ethyl Acetate
Concen: 0.479 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.010 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13

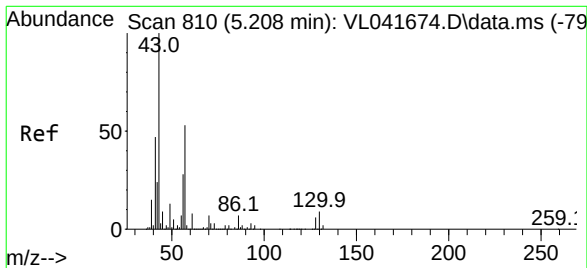
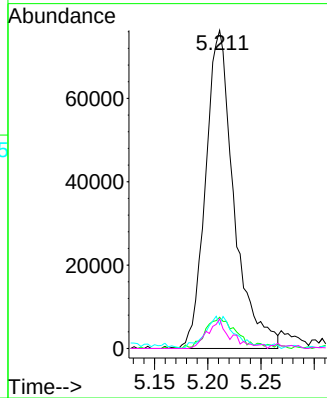
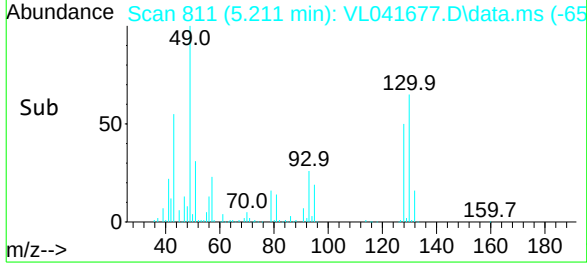
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



Tgt Ion: 43 Resp: 140929
Ion Ratio Lower Upper
43 100
45 11.0 8.6 13.0
61 11.3 8.4 12.6
70 8.8 5.8 8.6#

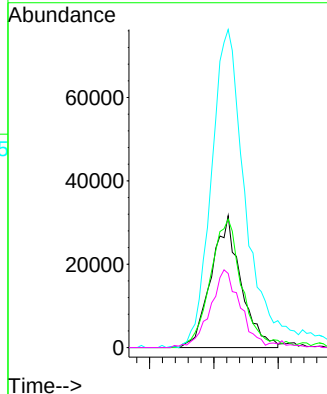
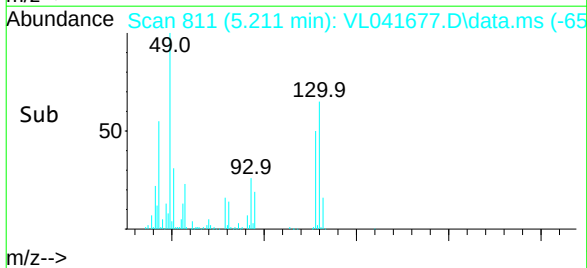
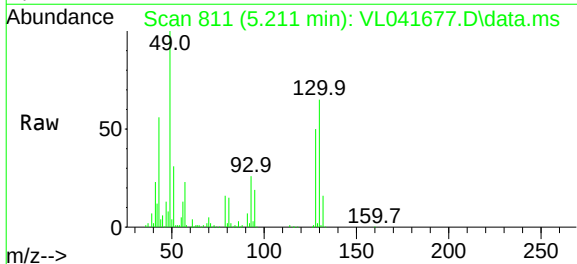
Manual Integrations
APPROVED

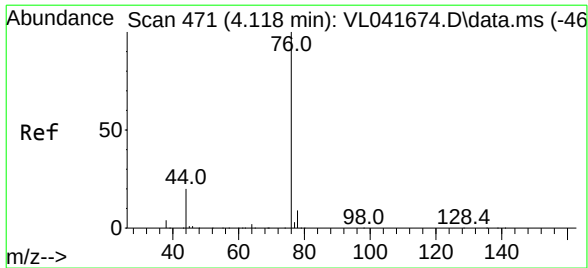
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#26
Hexane
Concen: 0.450 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.003 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13

Tgt Ion: 57 Resp: 50843
Ion Ratio Lower Upper
57 100
41 107.1 76.1 114.1
43 299.6 207.0 310.6
56 62.3 43.7 65.5





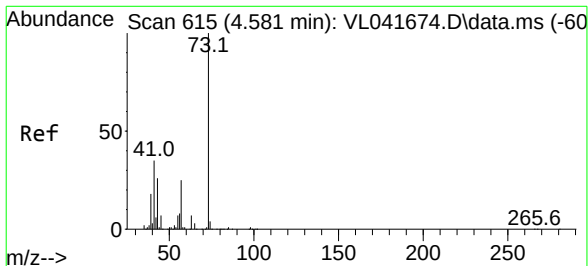
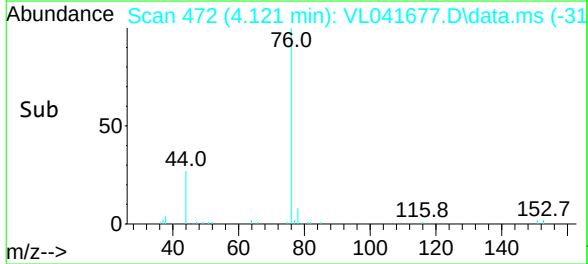
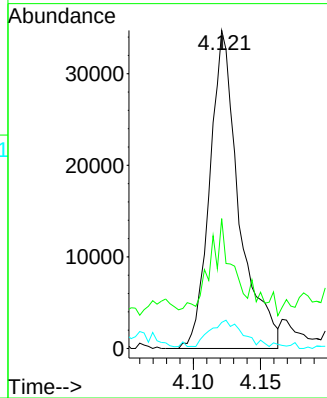
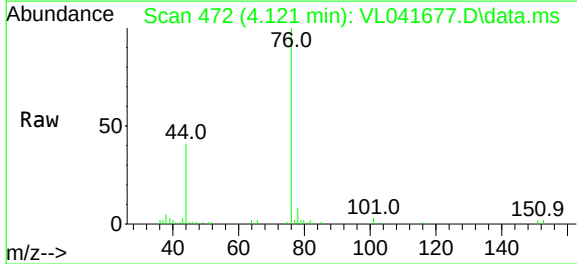
#27
Carbon Disulfide
Concen: 0.416 ppbv
RT: 4.121 min Scan# 471
Delta R.T. 0.003 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 76 Resp: 52791
Ion Ratio Lower Upper
76 100
44 27.8 15.8 23.8#
78 11.9 7.5 11.3#

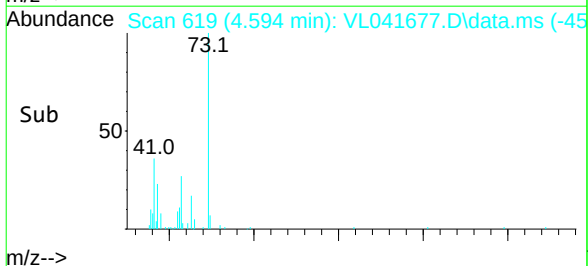
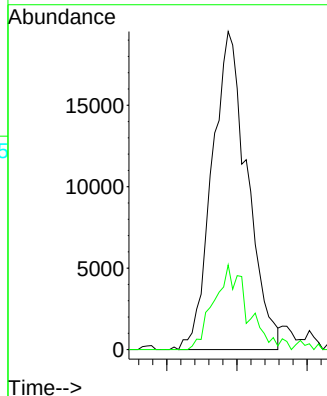
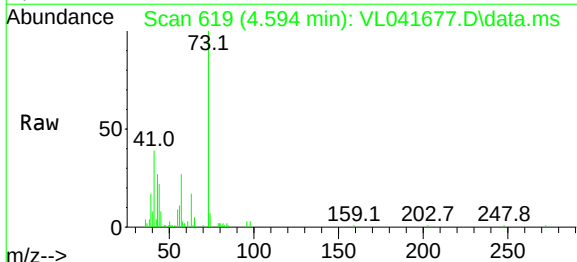
Manual Integrations
APPROVED

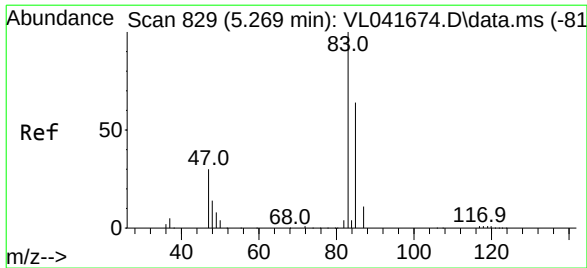
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#28
Methyl tert-Butyl Ether
Concen: 0.469 ppbv
RT: 4.594 min Scan# 619
Delta R.T. 0.013 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13

Tgt Ion: 73 Resp: 34128
Ion Ratio Lower Upper
73 100
57 26.6 19.6 29.4





#29

Chloroform

Concen: 0.530 ppbv

RT: 5.266 min Scan# 82

Delta R.T. -0.003 min

Lab File: VL041677.D

Acq: 7 Nov 2024 12:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 83 Resp: 98787

Ion Ratio Lower Upper

83 100

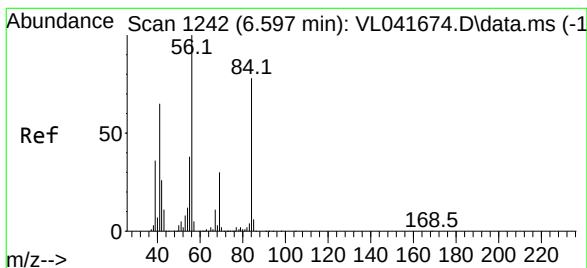
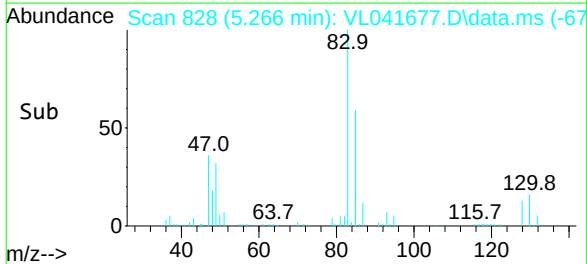
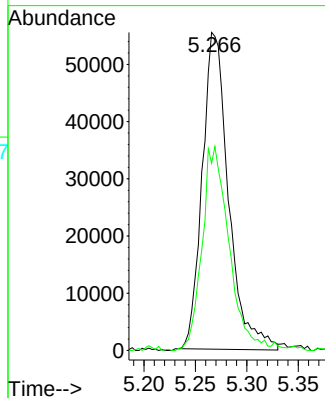
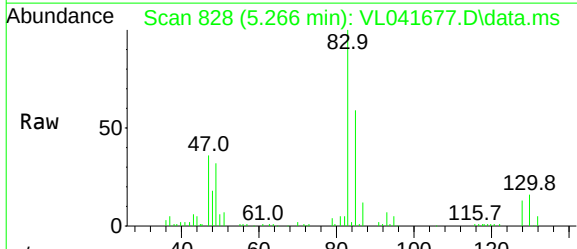
85 58.5 51.1 76.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024

Supervised By :Semsettin Yesilyurt 11/09/2024



#30

Cyclohexane

Concen: 0.573 ppbv m

RT: 6.600 min Scan# 1243

Delta R.T. 0.003 min

Lab File: VL041677.D

Acq: 7 Nov 2024 12:13

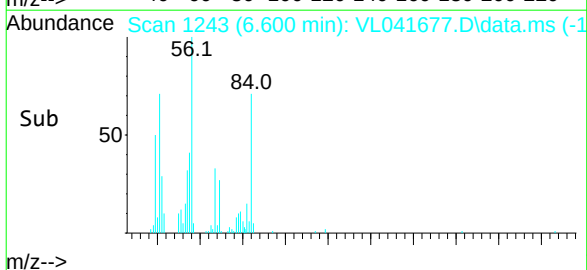
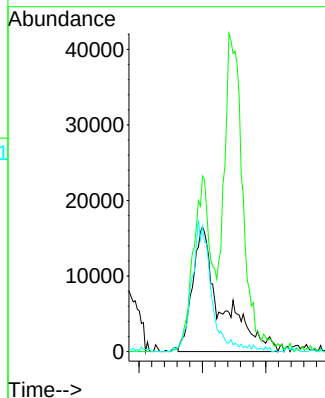
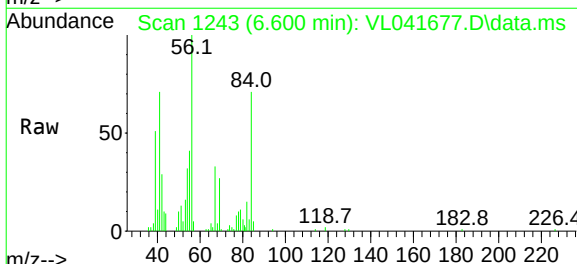
Tgt Ion: 84 Resp: 51970

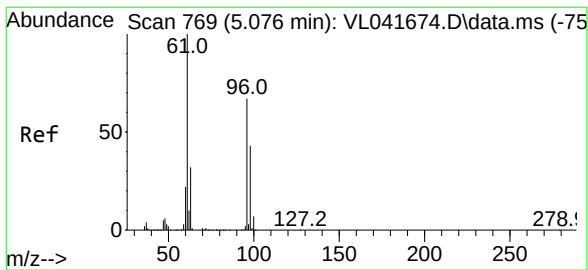
Ion Ratio Lower Upper

84 100

56 83.2 110.8 166.2#

41 71.9 70.0 105.0





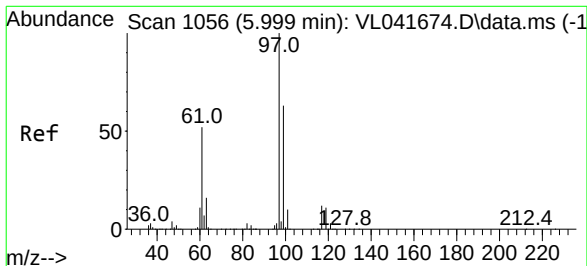
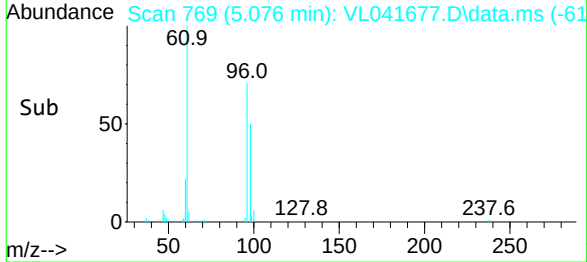
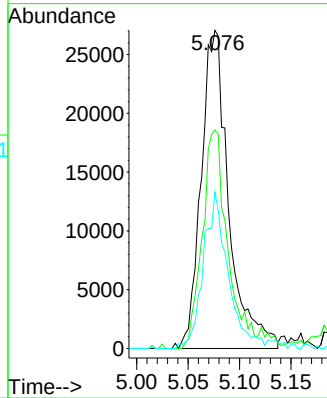
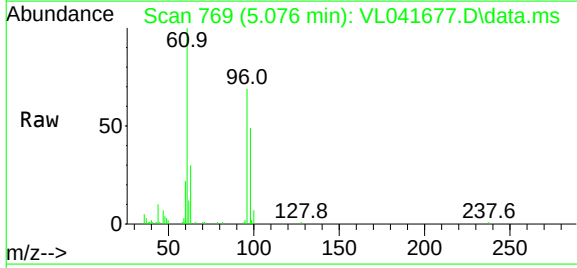
#31
 cis-1,2-Dichloroethene
 Concen: 0.464 ppbv
 RT: 5.076 min Scan# 769
 Delta R.T. 0.000 min
 Lab File: VL041677.D
 Acq: 7 Nov 2024 12:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion:	61	Resp:	50385
Ion	Ratio	Lower	Upper
61	100		
96	68.7	53.4	80.2
98	50.1	34.0	51.0

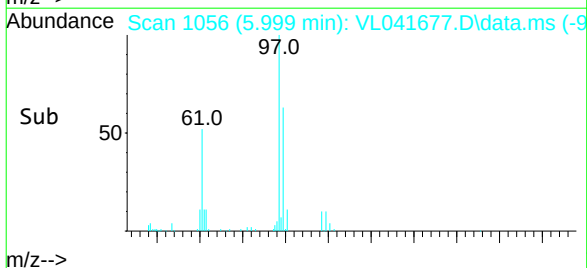
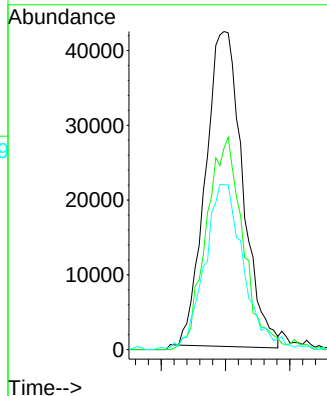
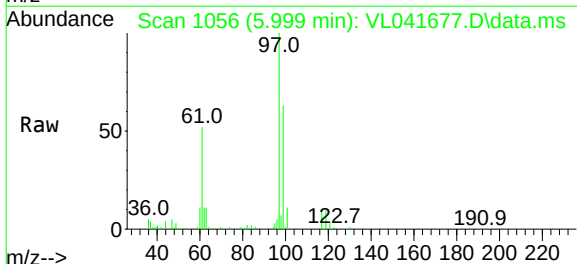
Manual Integrations
 APPROVED

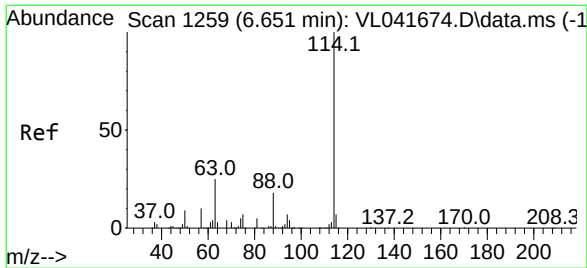
Reviewed By :Mahesh Dadoda 11/09/2024
 Supervised By :Semsettin Yesilyurt 11/09/2024



#32
 1,1,1-Trichloroethane
 Concen: 0.496 ppbv
 RT: 5.999 min Scan# 1056
 Delta R.T. 0.000 min
 Lab File: VL041677.D
 Acq: 7 Nov 2024 12:13

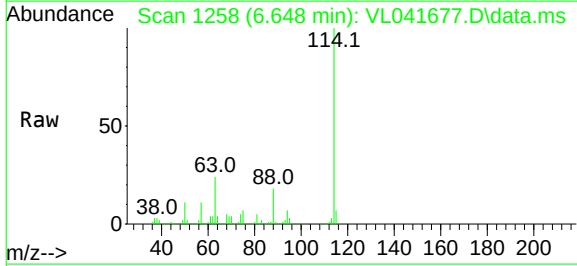
Tgt Ion:	97	Resp:	84699
Ion	Ratio	Lower	Upper
97	100		
99	67.6	51.4	77.2
61	55.5	41.7	62.5





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.648 min Scan# 1259
Delta R.T. -0.003 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13

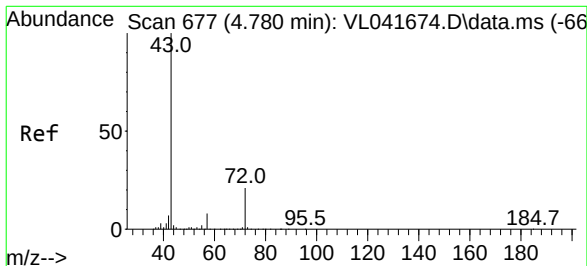
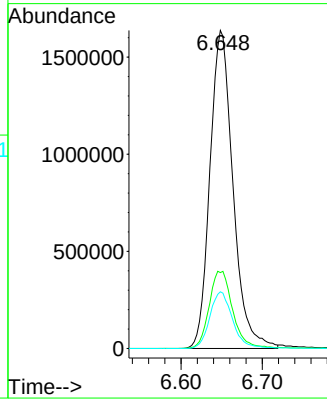
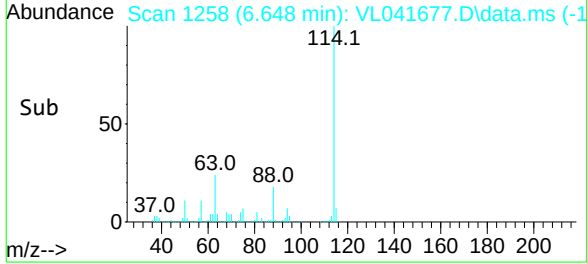
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



Tgt Ion:114 Resp: 3232256
Ion Ratio Lower Upper
114 100
63 25.2 20.3 30.5
88 17.8 14.2 21.4

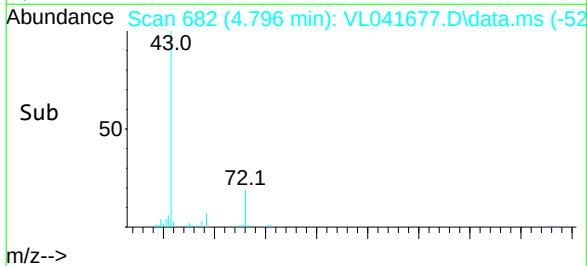
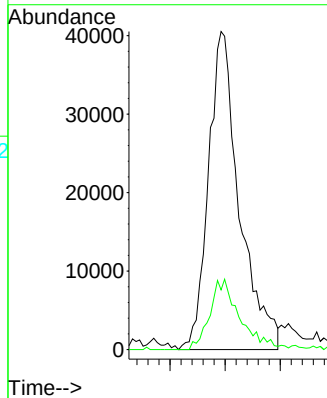
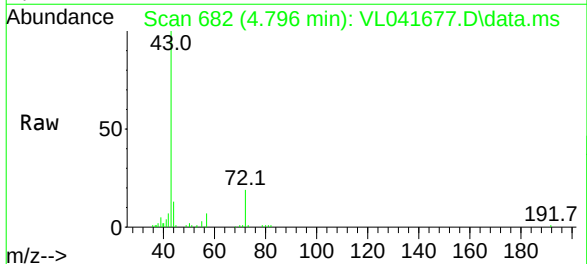
Manual Integrations
APPROVED

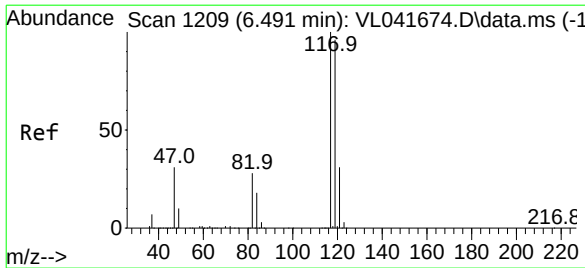
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#34
2-Butanone
Concen: 0.490 ppbv
RT: 4.796 min Scan# 682
Delta R.T. 0.016 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13

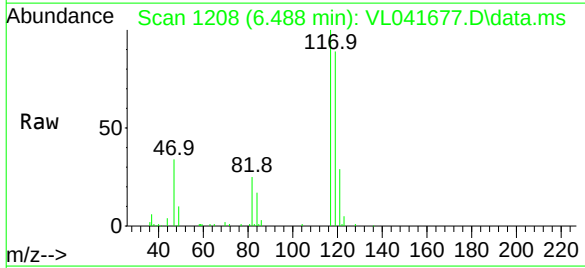
Tgt Ion: 43 Resp: 78940
Ion Ratio Lower Upper
43 100
72 22.1 17.4 26.0





#35
Carbon Tetrachloride
Concen: 0.523 ppbv m
RT: 6.488 min Scan# 1209
Delta R.T. -0.003 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13

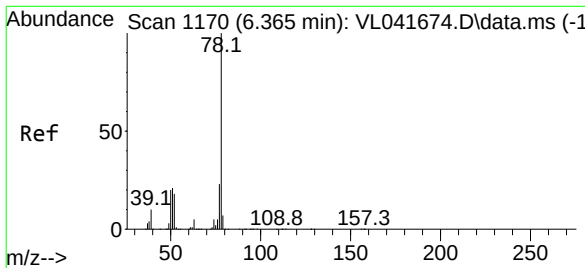
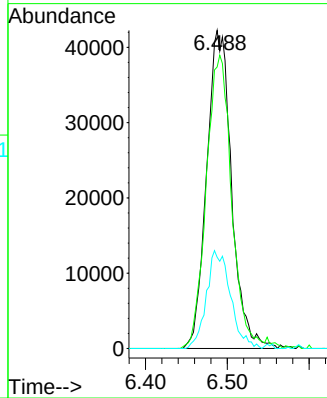
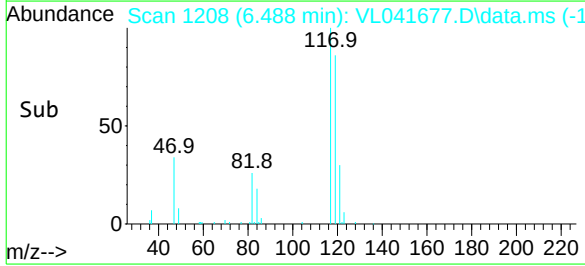
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 117 Resp: 89311
Ion Ratio Lower Upper
117 100
119 88.5 77.2 115.8
121 28.7 25.0 37.4

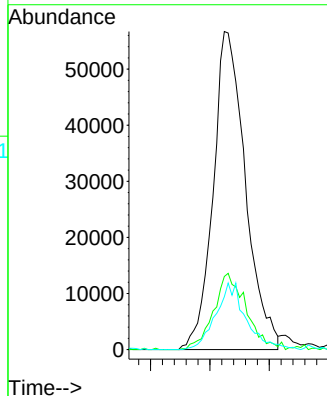
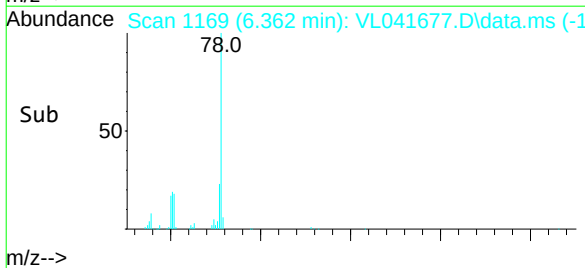
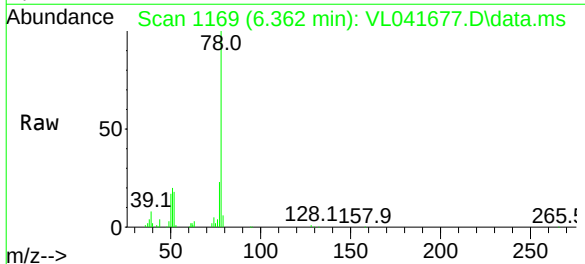
Manual Integrations
APPROVED

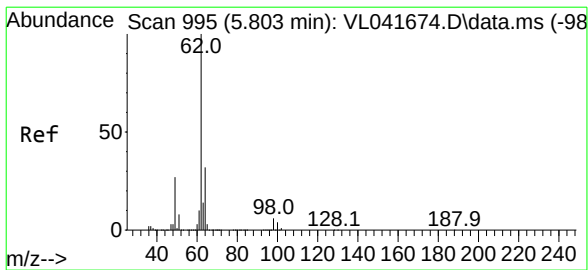
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#36
Benzene
Concen: 0.447 ppbv
RT: 6.362 min Scan# 1169
Delta R.T. -0.003 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13

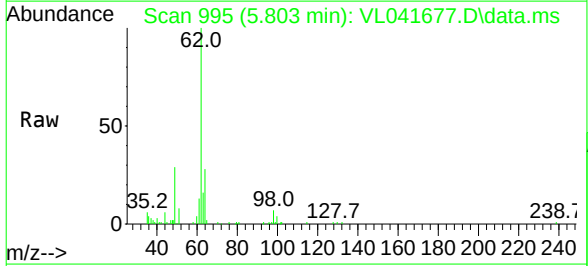
Tgt Ion: 78 Resp: 107078
Ion Ratio Lower Upper
78 100
77 23.1 18.5 27.7
50 16.7 15.6 23.4





#37
1,2-Dichloroethane
Concen: 0.474 ppbv
RT: 5.803 min Scan# 99
Delta R.T. 0.000 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13

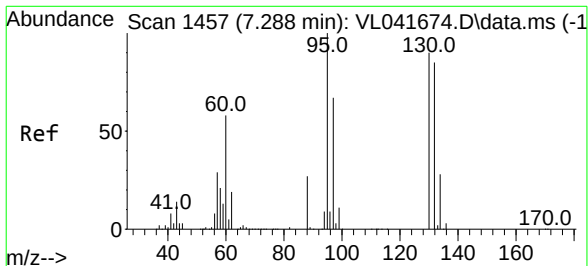
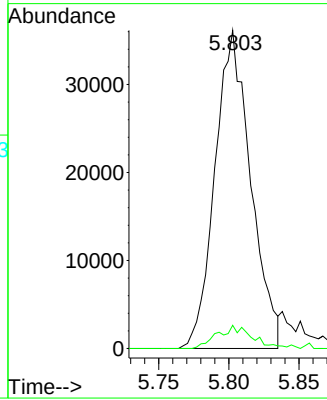
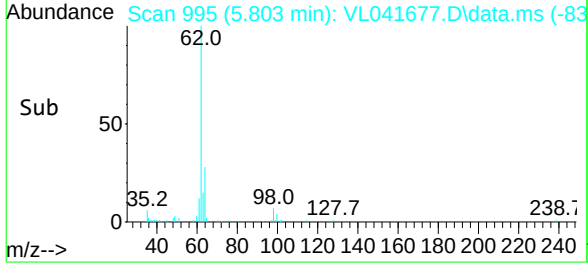
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



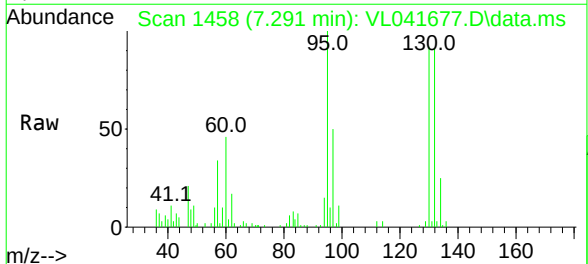
Tgt Ion: 62 Resp: 64024
Ion Ratio Lower Upper
62 100
98 7.5 5.2 7.8

Manual Integrations
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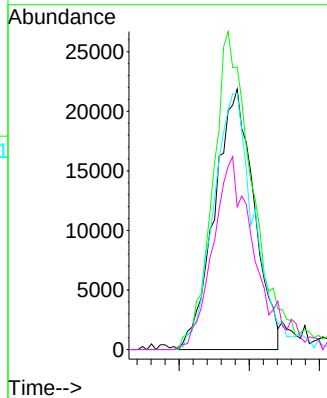
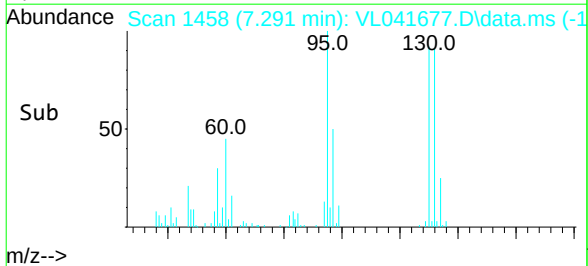
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024

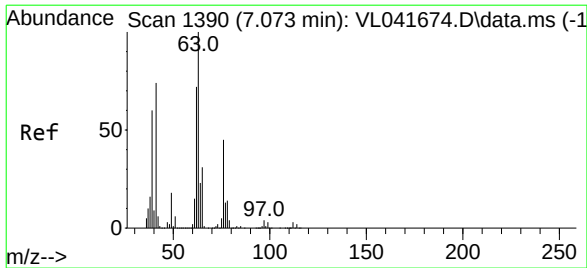


#38
Trichloroethene
Concen: 0.461 ppbv
RT: 7.291 min Scan# 1458
Delta R.T. 0.003 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13



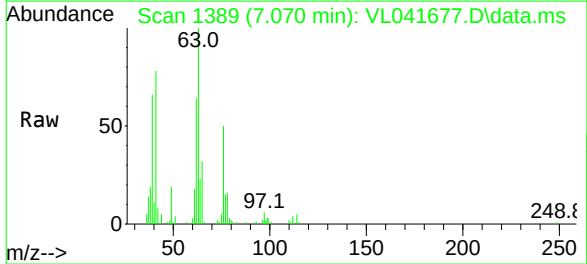
Tgt Ion:130 Resp: 42598
Ion Ratio Lower Upper
130 100
95 108.5 89.1 133.7
132 100.1 75.7 113.5
97 53.8 60.0 90.0#





#39
1,2-Dichloropropane
Concen: 0.475 ppbv
RT: 7.070 min Scan# 1390
Delta R.T. -0.003 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13

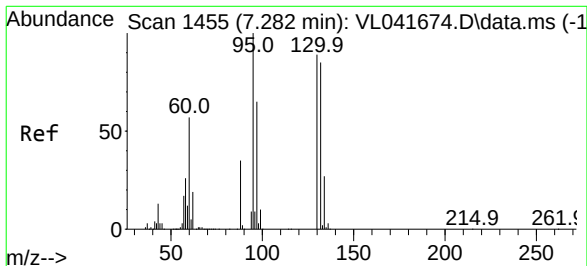
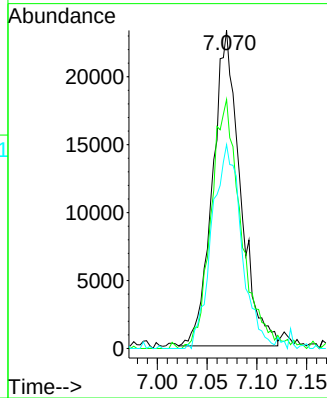
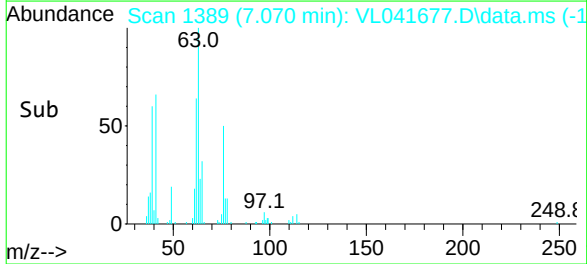
Instrument : MSVOA_L
ClientSampleId : VSTDIC0.5



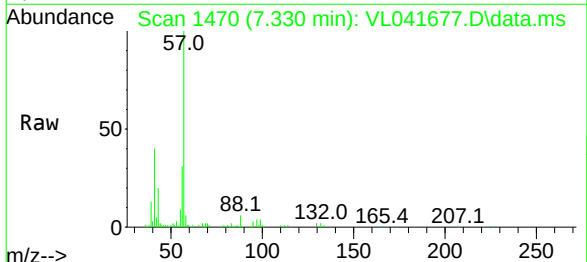
Tgt Ion: 63 Resp: 44946
Ion Ratio Lower Upper
63 100
41 78.9 59.1 88.7
62 64.6 57.7 86.5

Manual Integrations
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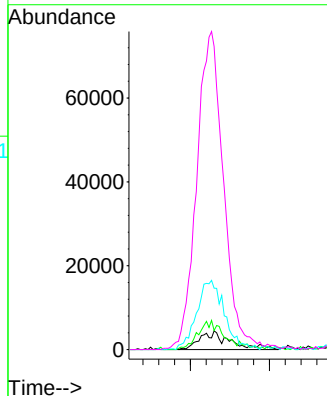
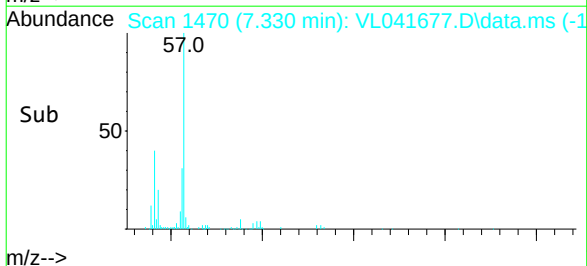
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024

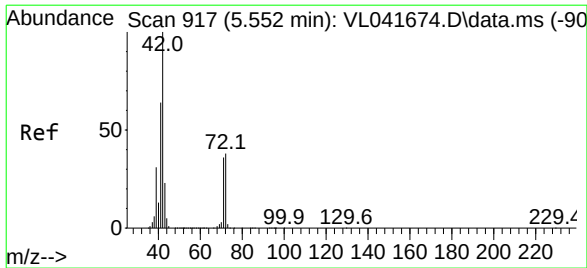


#40
1,4-Dioxane
Concen: 0.349 ppbv m
RT: 7.330 min Scan# 1470
Delta R.T. 0.048 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13



Tgt Ion: 88 Resp: 11696
Ion Ratio Lower Upper
88 100
58 0.0 101.4 152.2#
43 0.0 208.0 312.0#
57 0.0 902.9 1354.3#





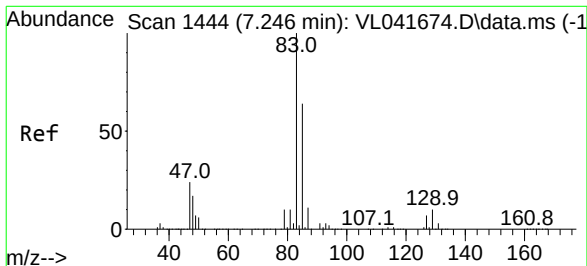
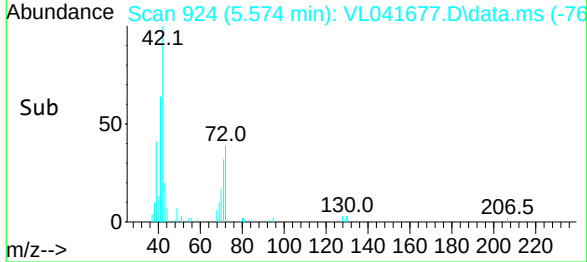
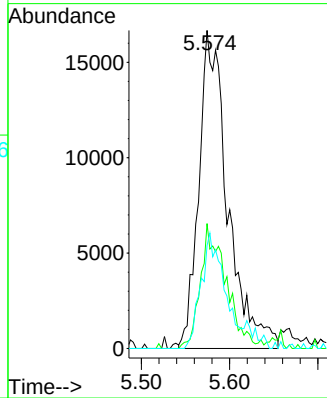
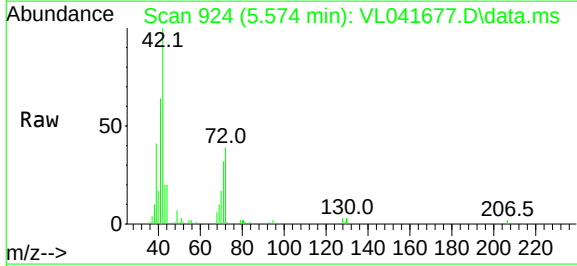
#41
Tetrahydrofuran
Concen: 0.411 ppbv m
RT: 5.574 min Scan# 92
Delta R.T. 0.023 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 42 Resp: 37743
Ion Ratio Lower Upper
42 100
72 34.9 29.8 44.6
71 33.7 29.4 44.2

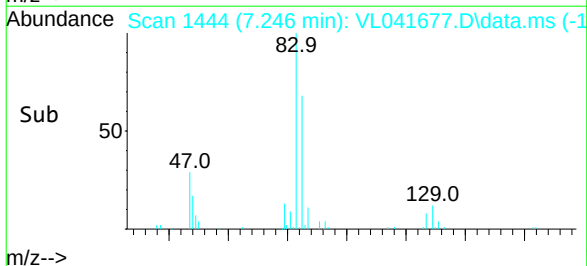
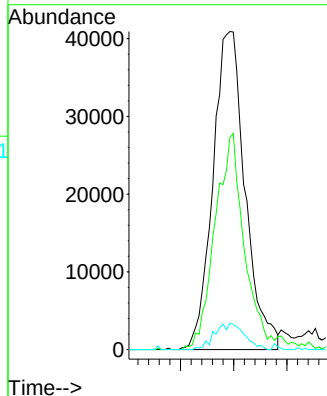
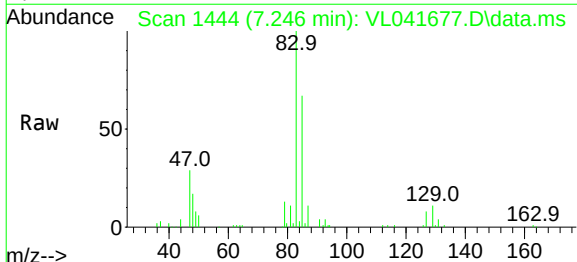
Manual Integrations
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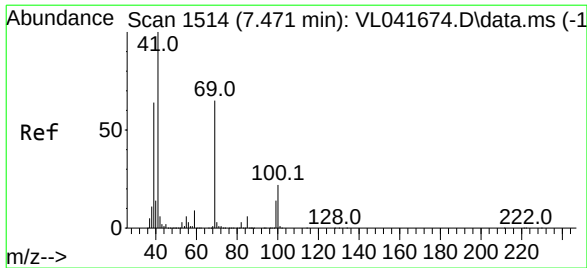
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#42
Bromodichloromethane
Concen: 0.459 ppbv
RT: 7.246 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13

Tgt Ion: 83 Resp: 86164
Ion Ratio Lower Upper
83 100
85 66.7 51.2 76.8
127 8.3 6.0 9.0





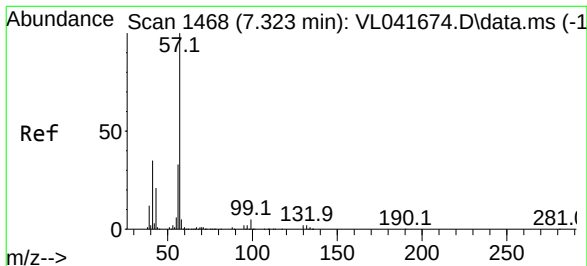
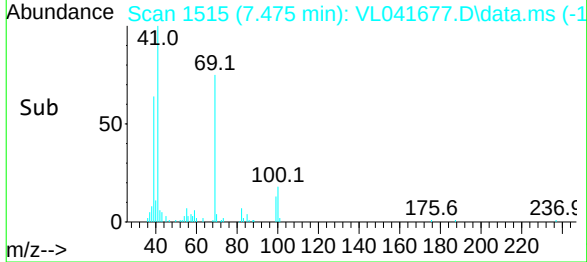
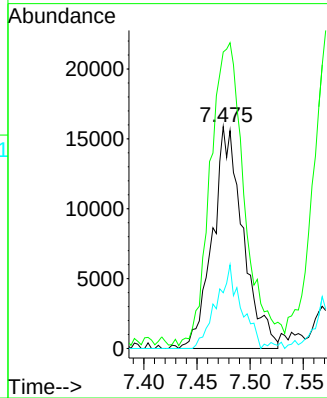
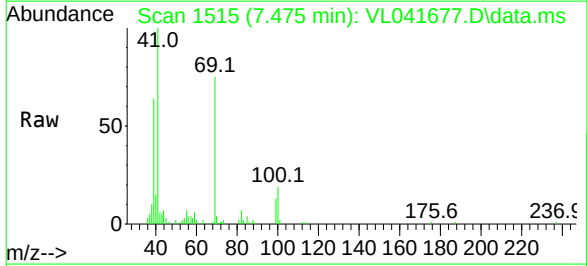
#43
Methyl Methacrylate
Concen: 0.377 ppbv m
RT: 7.475 min Scan# 1514
Delta R.T. 0.003 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 69 Resp: 31683
Ion Ratio Lower Upper
69 100
41 157.5 119.8 179.6
100 31.5 27.3 40.9

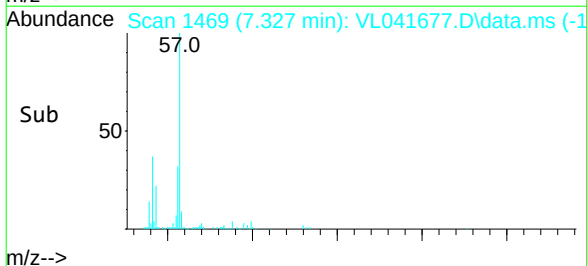
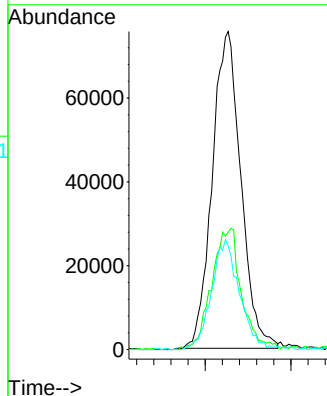
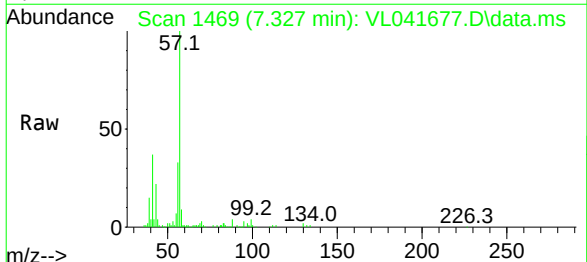
Manual Integrations
APPROVED

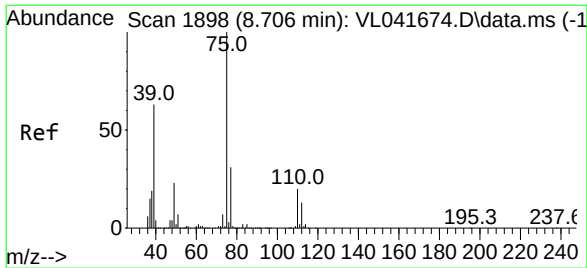
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#44
2,2,4-Trimethylpentane
Concen: 0.433 ppbv
RT: 7.327 min Scan# 1469
Delta R.T. 0.003 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13

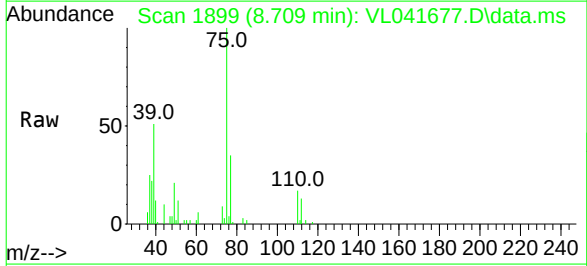
Tgt Ion: 57 Resp: 175510
Ion Ratio Lower Upper
57 100
41 39.8 27.0 40.6
56 34.3 25.8 38.6





#45
t-1,3-Dichloropropene
Concen: 0.352 ppbv m
RT: 8.709 min Scan# 1898
Delta R.T. 0.003 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13

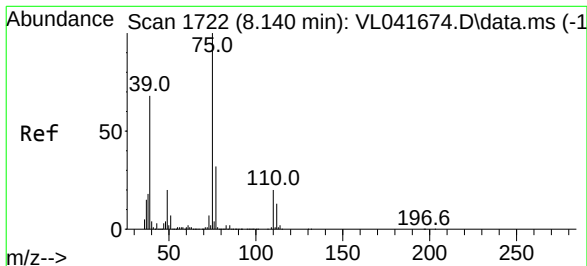
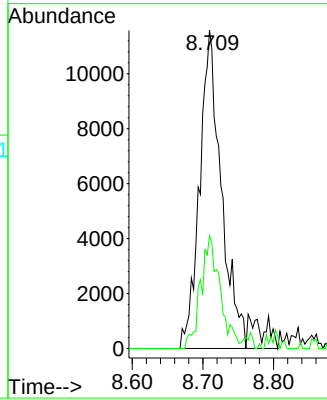
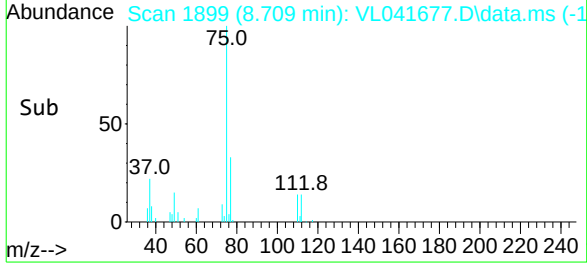
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



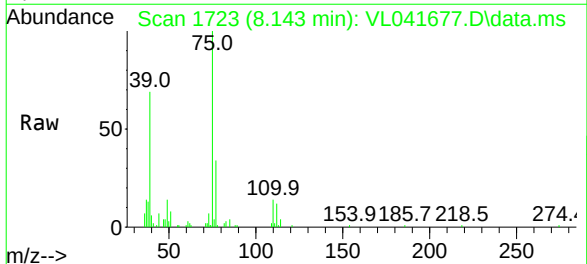
Tgt Ion: 75 Resp: 26475
Ion Ratio Lower Upper
75 100
77 35.4 24.7 37.1

Manual Integrations
APPROVED

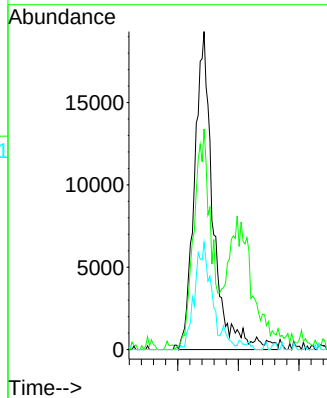
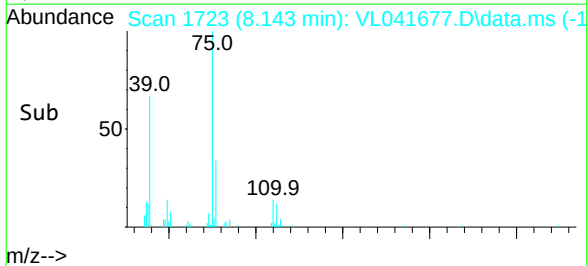
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024

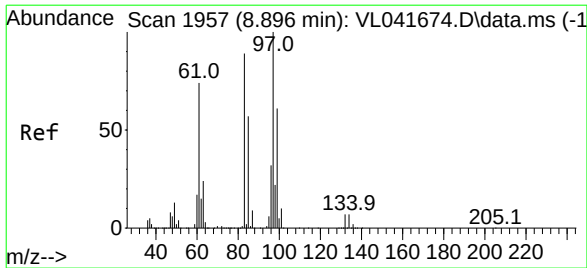


#46
cis-1,3-Dichloropropene
Concen: 0.379 ppbv m
RT: 8.143 min Scan# 1723
Delta R.T. 0.003 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13



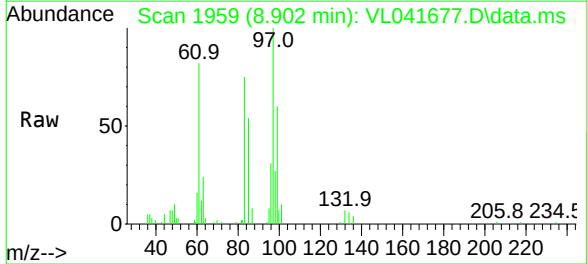
Tgt Ion: 75 Resp: 41408
Ion Ratio Lower Upper
75 100
39 69.4 54.1 81.1
77 33.7 25.3 37.9





#47
1,1,2-Trichloroethane
Concen: 0.512 ppbv m
RT: 8.902 min Scan# 1957
Delta R.T. 0.007 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13

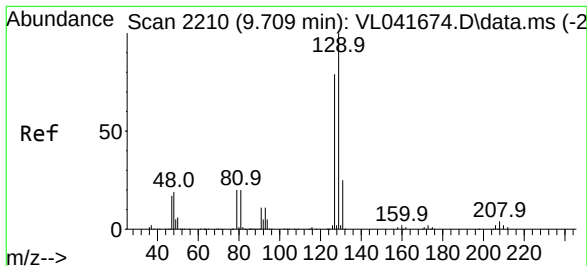
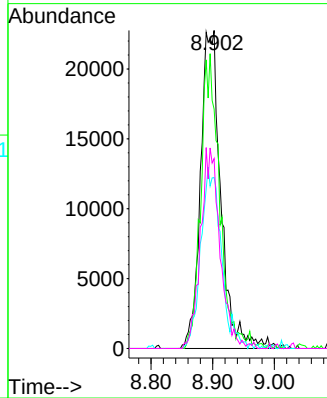
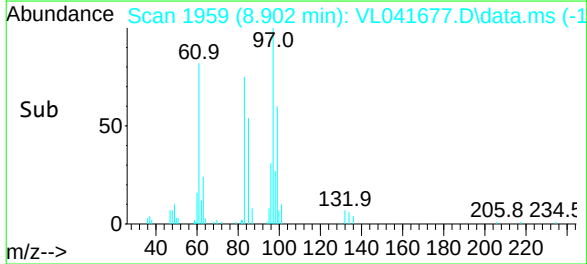
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



Tgt Ion: 97 Resp: 52244
Ion Ratio Lower Upper
97 100
83 75.3 71.0 106.6
85 53.7 45.4 68.2
99 59.7 49.0 73.6

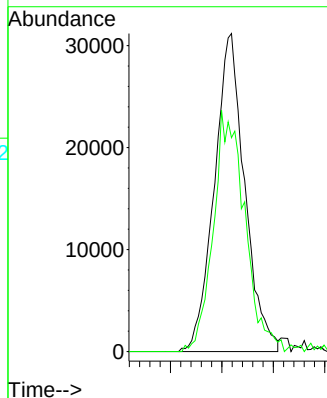
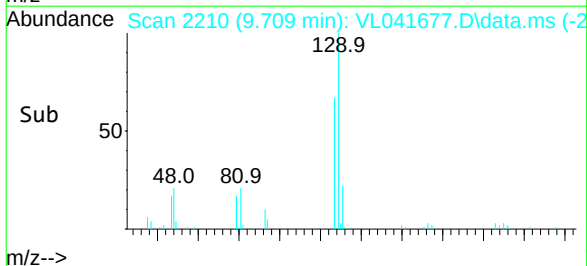
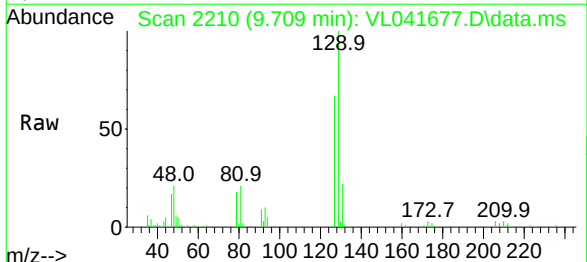
Manual Integrations
APPROVED

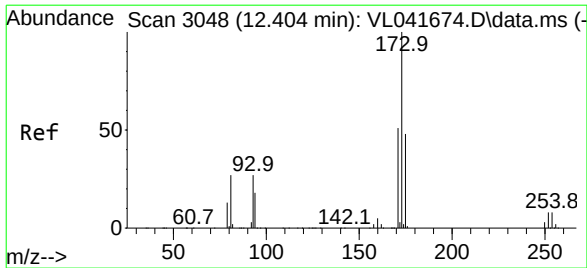
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#48
Dibromochloromethane
Concen: 0.411 ppbv
RT: 9.709 min Scan# 2210
Delta R.T. 0.000 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13

Tgt Ion:129 Resp: 64053
Ion Ratio Lower Upper
129 100
127 79.0 39.1 117.2





#49

Bromoform

Concen: 0.386 ppbv m

RT: 12.401 min Scan# 3048

Delta R.T. -0.003 min

Lab File: VL041677.D

Acq: 7 Nov 2024 12:13

Instrument :

MSVOA_L

ClientSampleId :

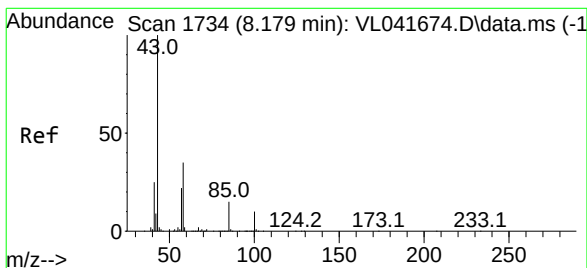
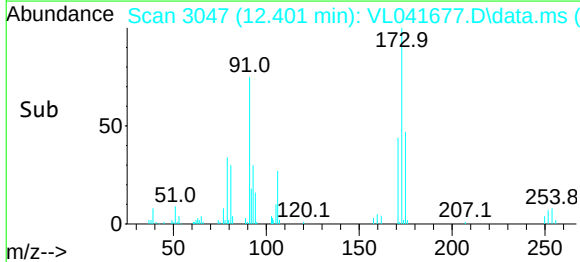
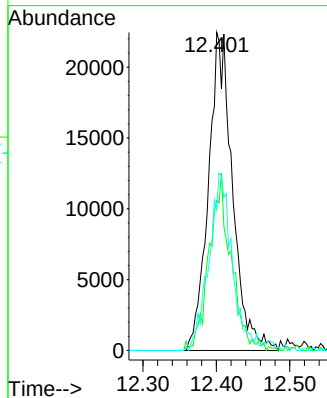
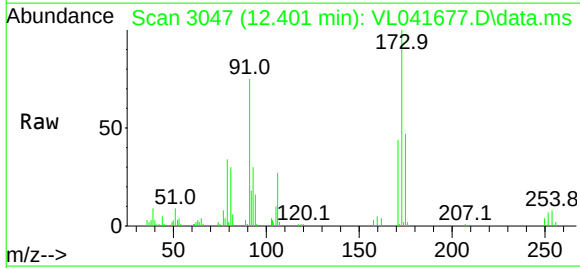
VSTDIC0.5

Tgt Ion:	173	Resp:	51263
Ion Ratio	Lower	Upper	
173	100		
175	0.0	39.2	58.8
171	0.0	41.7	62.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#50

4-Methyl-2-Pentanone

Concen: 0.399 ppbv m

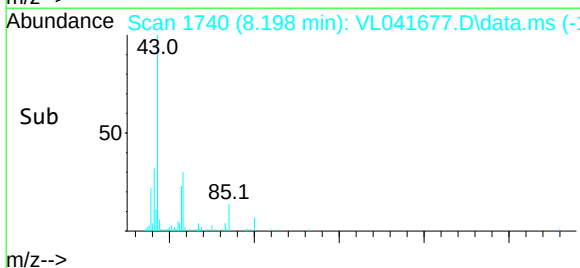
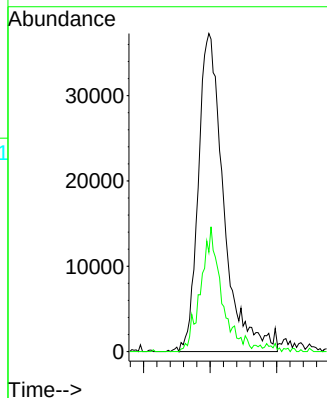
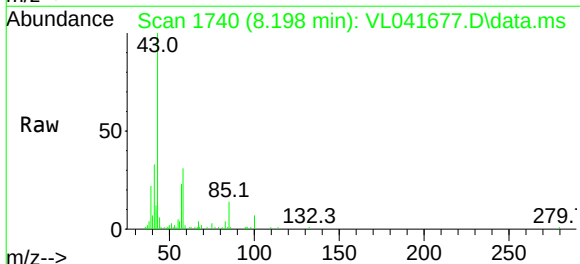
RT: 8.198 min Scan# 1740

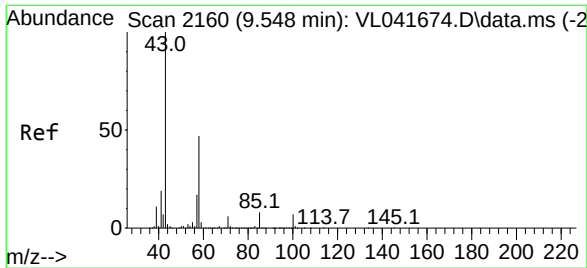
Delta R.T. 0.019 min

Lab File: VL041677.D

Acq: 7 Nov 2024 12:13

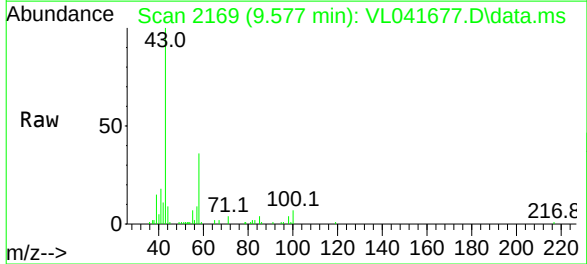
Tgt Ion:	43	Resp:	98725
Ion Ratio	Lower	Upper	
43	100		
58	32.9	27.7	41.5





#51
2-Hexanone
Concen: 0.370 ppbv m
RT: 9.577 min Scan# 2160
Delta R.T. 0.029 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13

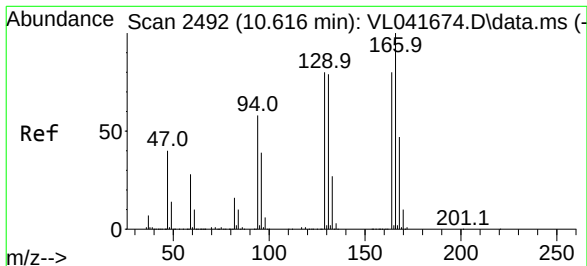
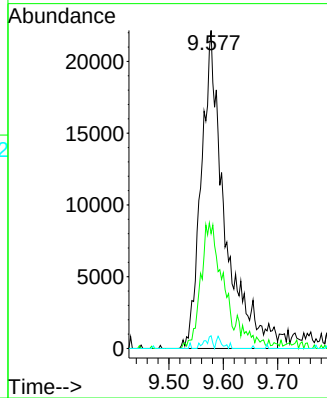
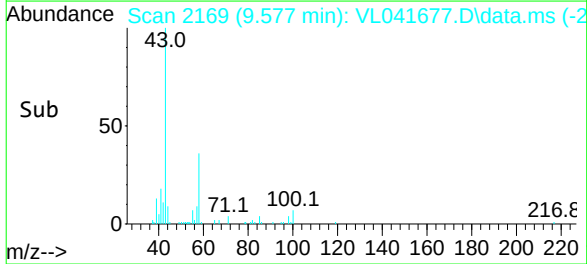
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



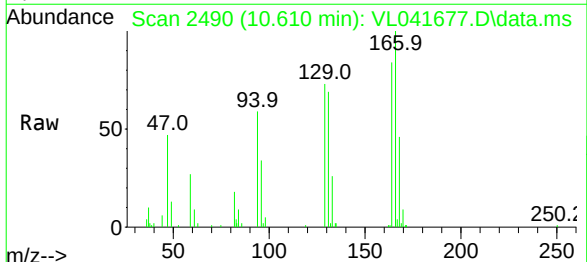
Tgt Ion: 43 Resp: 66460
Ion Ratio Lower Upper
43 100
58 0.0 37.0 55.6#
98 0.0 0.6 0.8#

Manual Integrations
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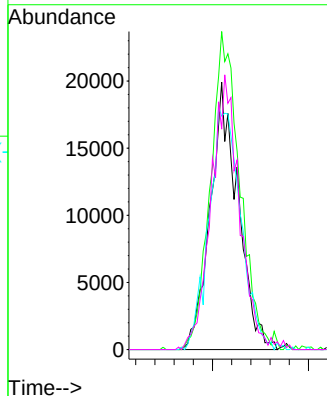
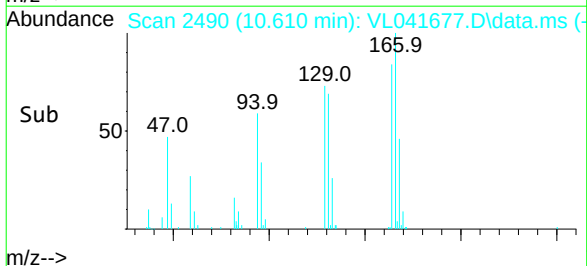
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024

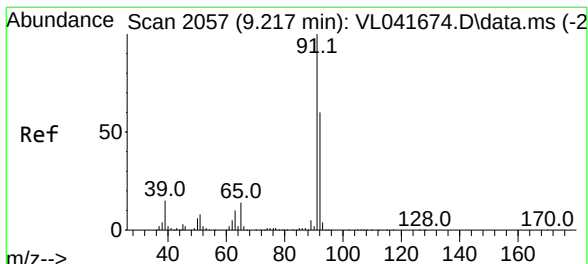


#52
Tetrachloroethene
Concen: 0.489 ppbv m
RT: 10.610 min Scan# 2490
Delta R.T. -0.006 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13



Tgt Ion:164 Resp: 40017
Ion Ratio Lower Upper
164 100
166 118.9 100.2 150.4
129 87.3 79.7 119.5
131 82.4 79.0 118.4





#53
Toluene
Concen: 0.359 ppbv
RT: 9.221 min Scan# 2057
Delta R.T. 0.003 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13

Instrument :

MSVOA_L

ClientSampleId :

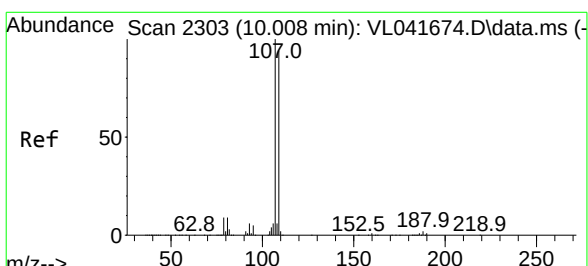
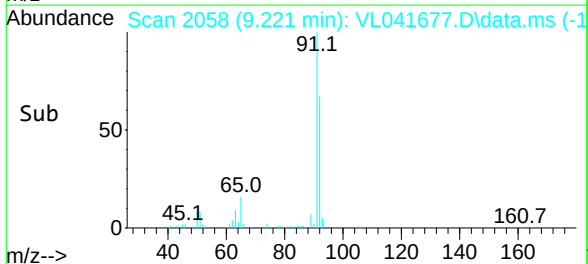
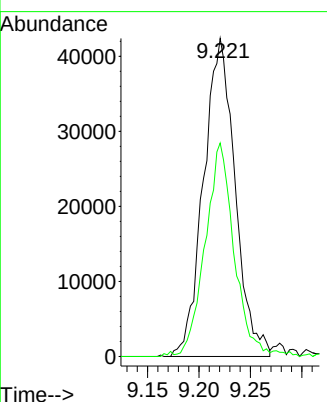
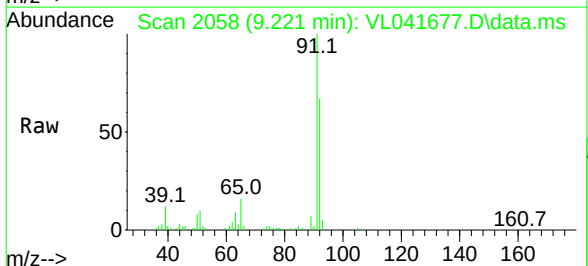
VSTDICC0.5

Tgt Ion: 91 Resp: 90468
Ion Ratio Lower Upper
91 100
92 62.1 49.0 73.4

Manual Integrations

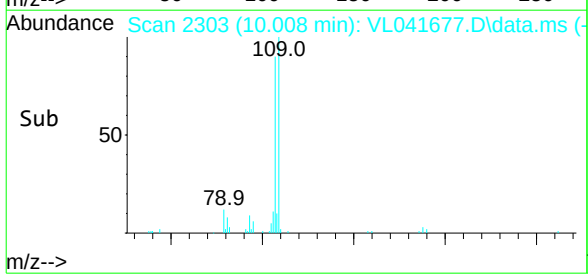
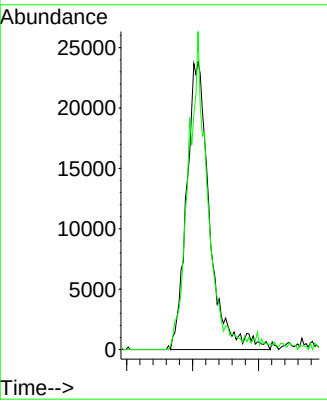
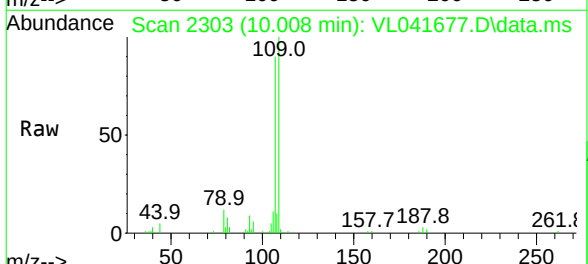
APPROVED

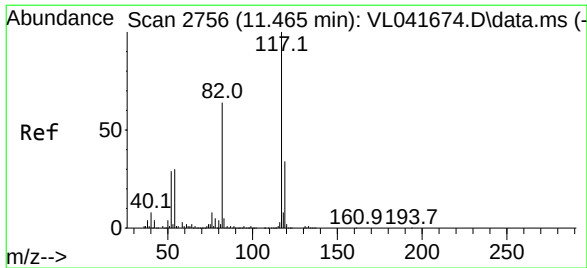
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#54
1,2-Dibromoethane
Concen: 0.484 ppbv m
RT: 10.008 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13

Tgt Ion:107 Resp: 57696
Ion Ratio Lower Upper
107 100
109 110.5 74.9 112.3





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.465 min Scan# 27

Delta R.T. 0.000 min

Lab File: VL041677.D

Acq: 7 Nov 2024 12:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion:117 Resp: 2900644

Ion Ratio Lower Upper

117 100

82 63.2 49.8 74.8

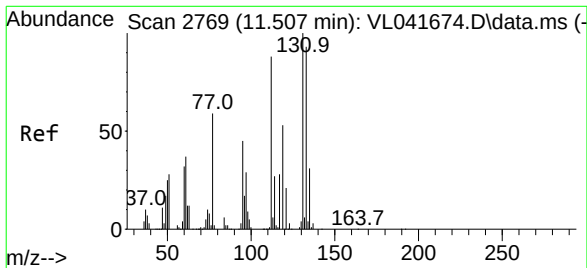
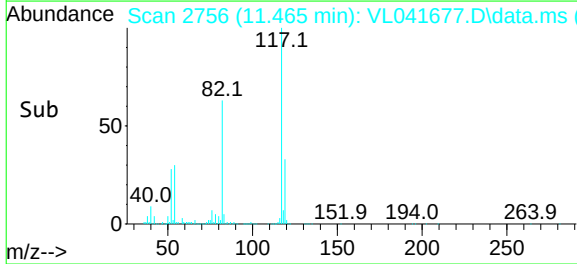
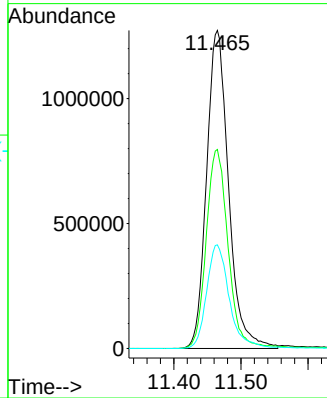
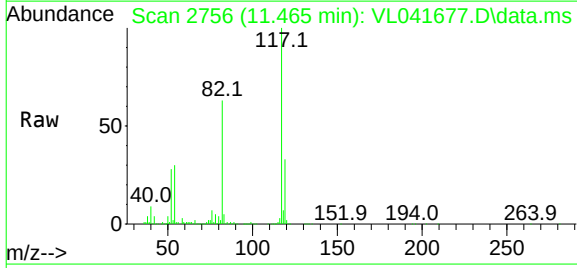
119 33.9 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024

Supervised By :Semsettin Yesilyurt 11/09/2024



#56

1,1,1,2-Tetrachloroethane

Concen: 0.512 ppbv

RT: 11.510 min Scan# 2770

Delta R.T. 0.003 min

Lab File: VL041677.D

Acq: 7 Nov 2024 12:13

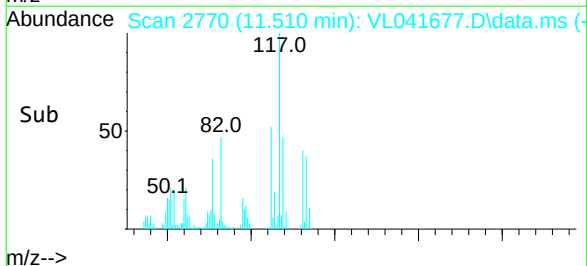
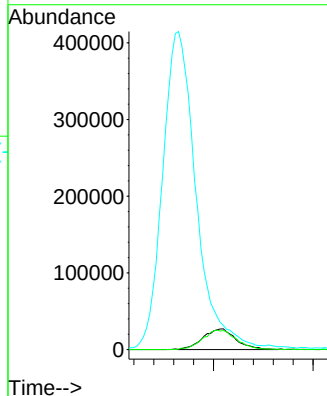
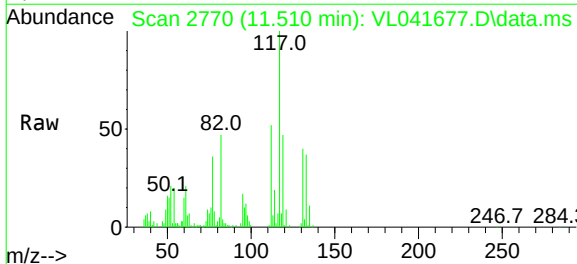
Tgt Ion:131 Resp: 61817

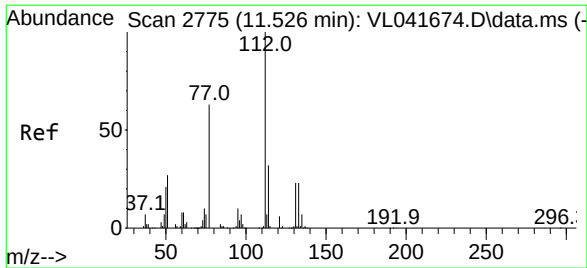
Ion Ratio Lower Upper

131 100

133 97.3 76.5 114.7

119 1592.6 49.8 74.8#





#57

Chlorobenzene

Concen: 0.525 ppbv m

RT: 11.520 min Scan# 27

Delta R.T. -0.006 min

Lab File: VL041677.D

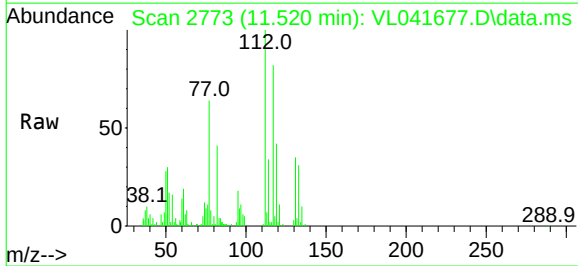
Acq: 7 Nov 2024 12:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5



Tgt Ion: 112 Resp: 113601

Ion Ratio Lower Upper

112 100

77 64.1 51.4 77.2

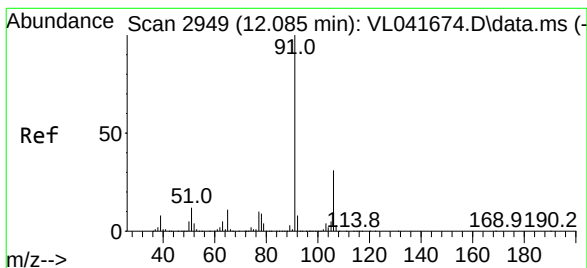
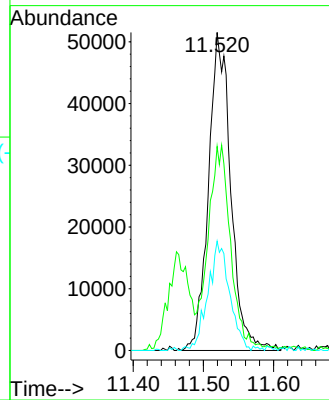
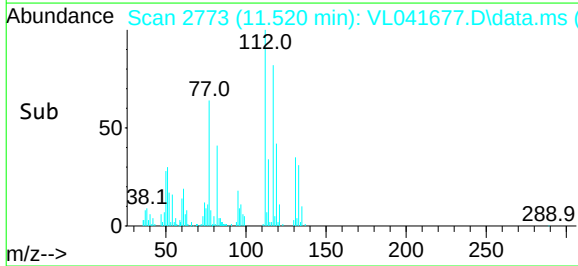
114 34.3 28.4 34.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024

Supervised By :Semsettin Yesilyurt 11/09/2024



#58

Ethyl Benzene

Concen: 0.392 ppbv m

RT: 12.089 min Scan# 2950

Delta R.T. 0.003 min

Lab File: VL041677.D

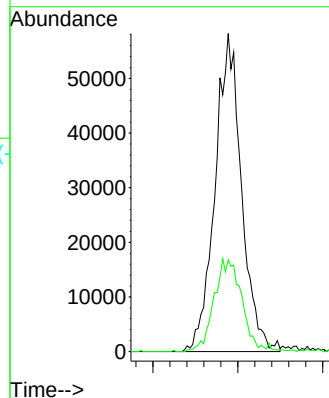
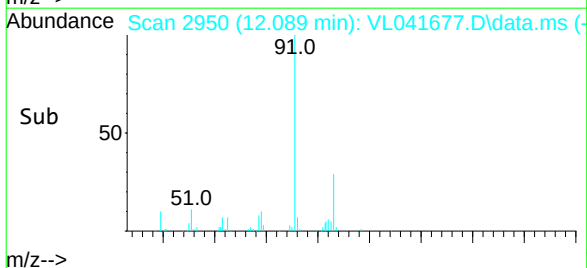
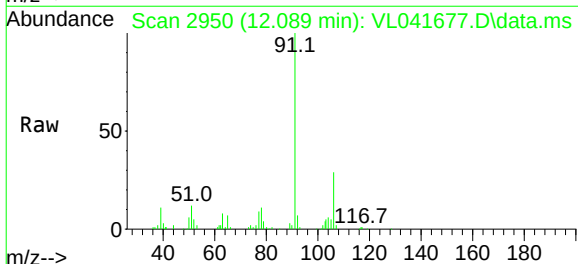
Acq: 7 Nov 2024 12:13

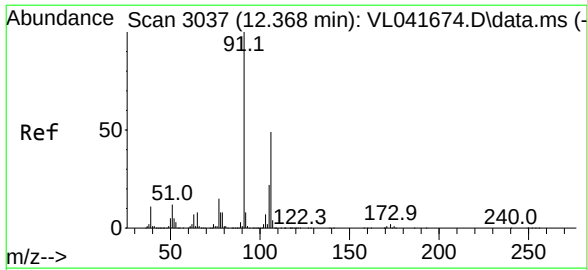
Tgt Ion: 91 Resp: 125893

Ion Ratio Lower Upper

91 100

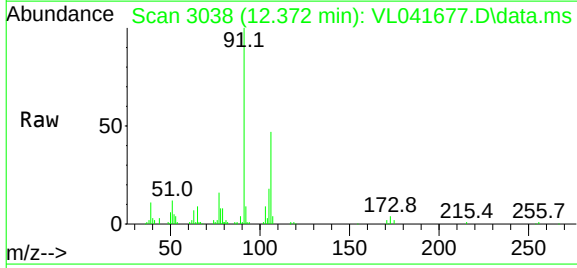
106 28.9 24.9 37.3





#59
m/p-Xylene
Concen: 0.840 ppbv m
RT: 12.372 min Scan# 3038
Delta R.T. 0.003 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13

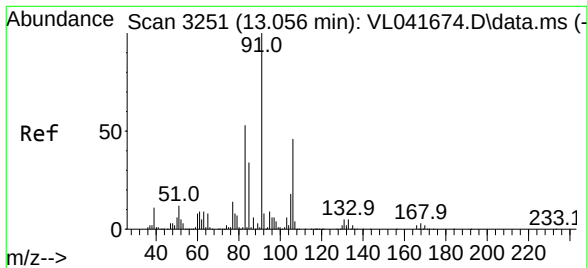
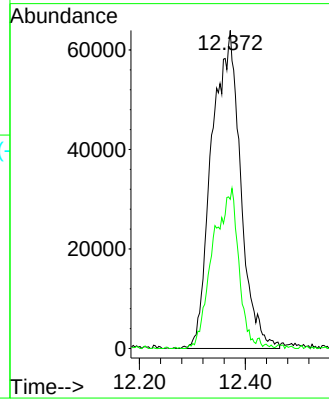
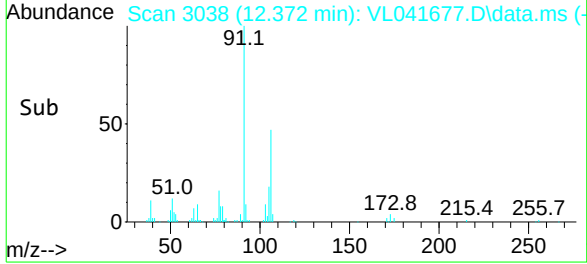
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



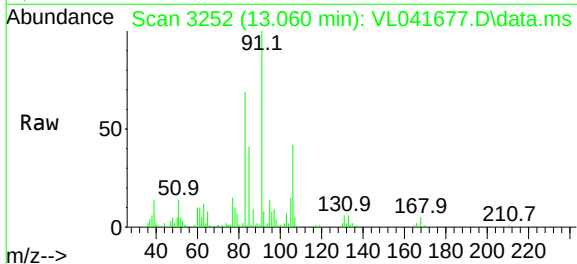
Tgt Ion: 91 Resp: 241360
Ion Ratio Lower Upper
91 100
106 45.5 36.9 55.3

Manual Integrations
APPROVED

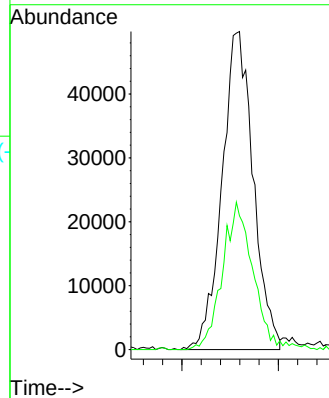
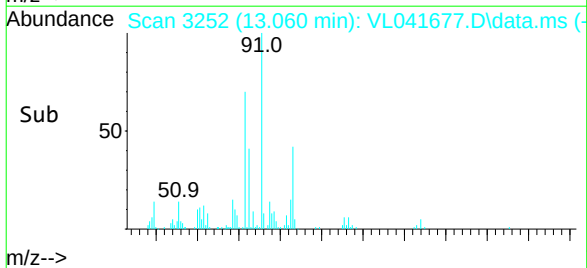
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024

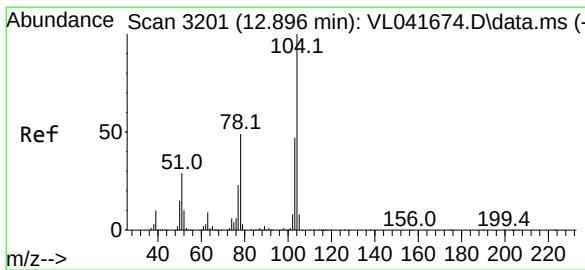


#60
o-Xylene
Concen: 0.408 ppbv
RT: 13.060 min Scan# 3252
Delta R.T. 0.003 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13



Tgt Ion: 91 Resp: 111856
Ion Ratio Lower Upper
91 100
106 45.8 23.2 69.6





#61

Styrene

Concen: 0.320 ppbv m

RT: 12.899 min Scan# 3201

Delta R.T. 0.003 min

Lab File: VL041677.D

Acq: 7 Nov 2024 12:13

Instrument :

MSVOA_L

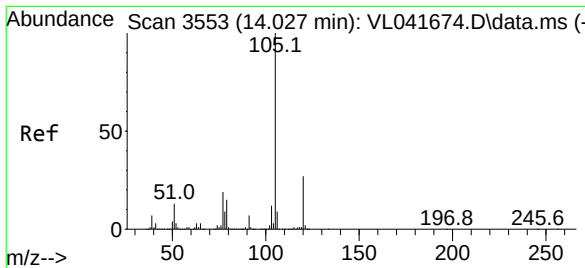
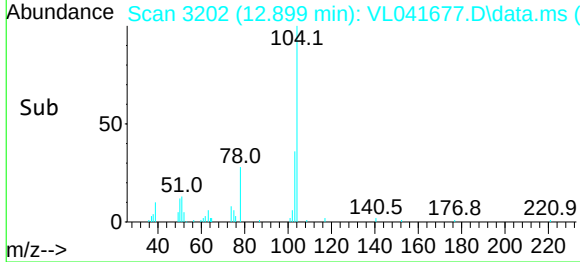
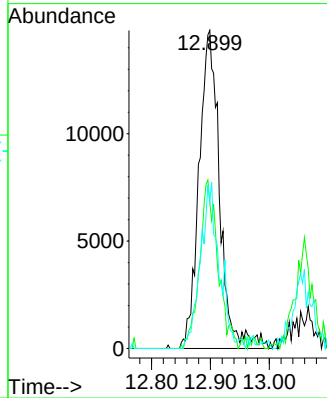
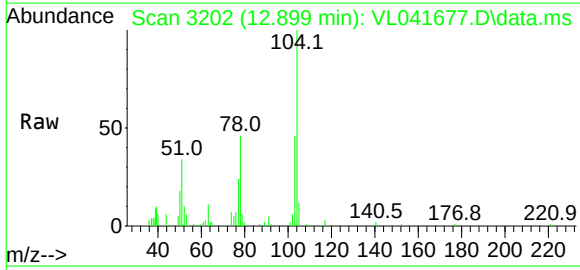
ClientSampleId :

VSTDIC0.5

Tgt Ion:	104	Resp:	36189
Ion Ratio	Lower	Upper	
104	100		
78	47.3	39.8	59.8
103	48.0	37.4	56.0

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#62

Isopropylbenzene

Concen: 0.443 ppbv

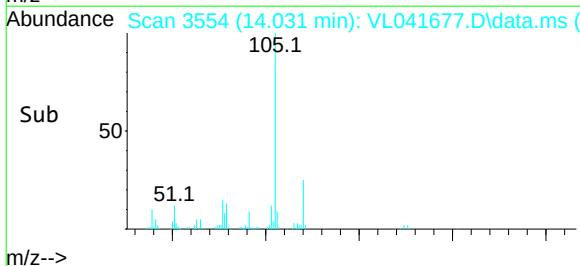
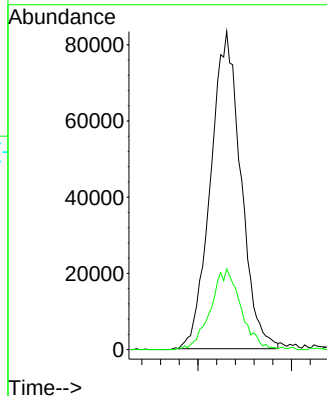
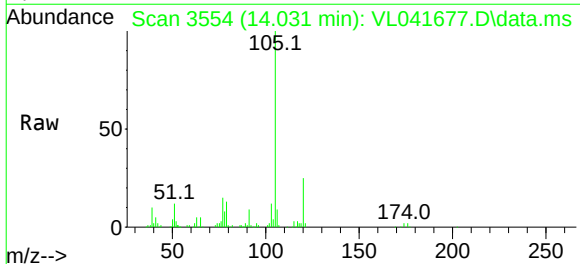
RT: 14.031 min Scan# 3554

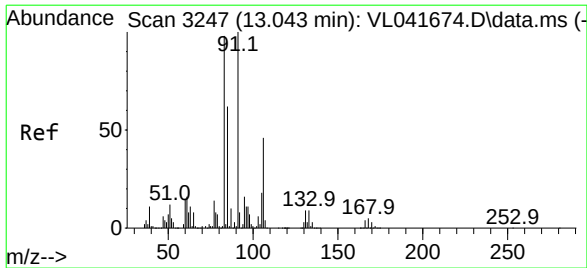
Delta R.T. 0.003 min

Lab File: VL041677.D

Acq: 7 Nov 2024 12:13

Tgt Ion:	105	Resp:	187478
Ion Ratio	Lower	Upper	
105	100		
120	25.6	21.1	31.7





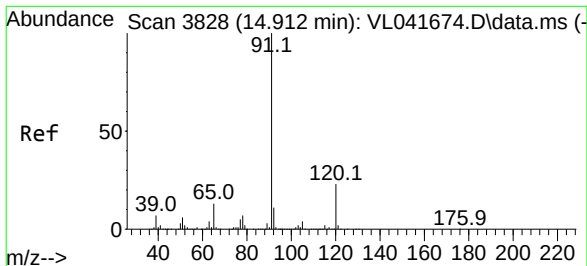
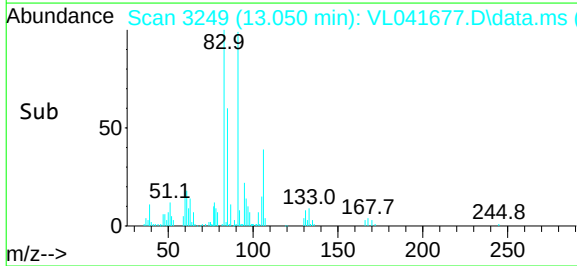
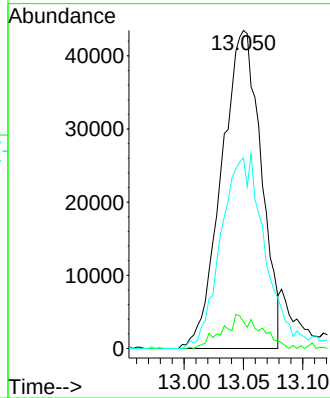
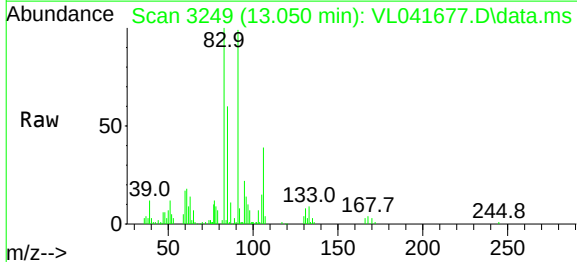
#63
1,1,2,2-Tetrachloroethane
Concen: 0.503 ppbv
RT: 13.050 min Scan# 3247
Delta R.T. 0.007 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:	83	Resp:	100534
Ion	Ratio	Lower	Upper
83	100		
131	10.2	4.8	14.3
85	69.1	32.6	98.0

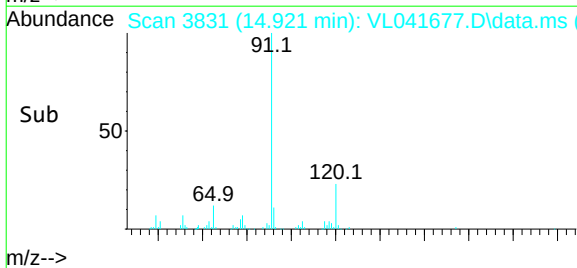
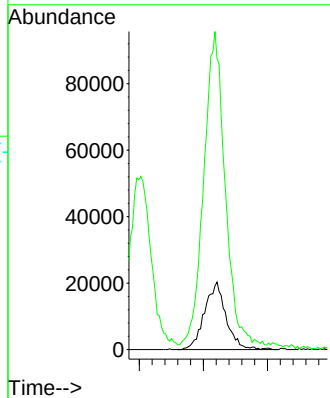
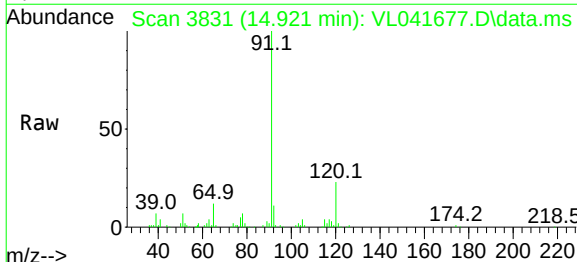
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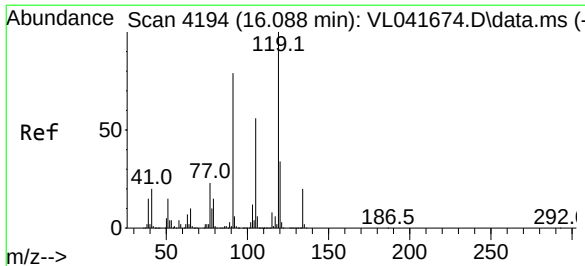
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#64
n-propylbenzene
Concen: 0.426 ppbv m
RT: 14.921 min Scan# 3831
Delta R.T. 0.010 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13

Tgt Ion:	120	Resp:	47206
Ion	Ratio	Lower	Upper
120	100		
91	486.2	362.4	543.6





#65

tert-Butylbenzene

Concen: 0.428 ppbv

RT: 16.092 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041677.D

Acq: 7 Nov 2024 12:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 119 Resp: 162846

Ion Ratio Lower Upper

119 100

91 86.0 64.3 96.5

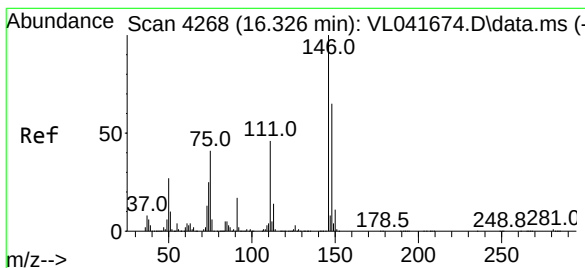
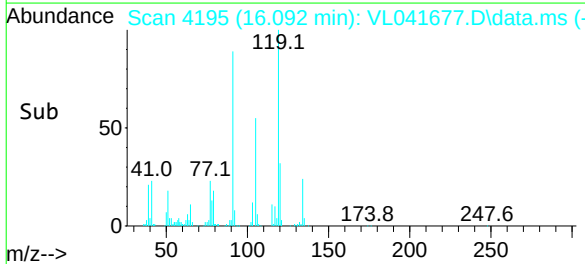
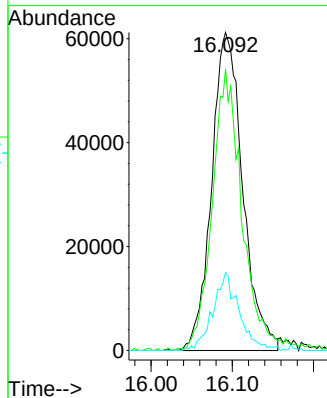
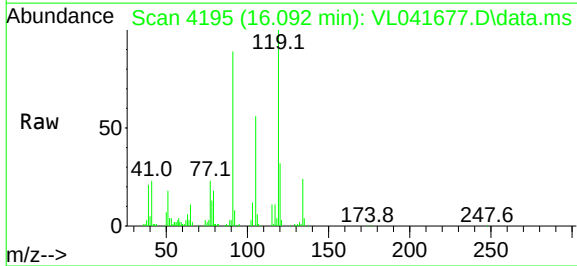
134 20.8 15.8 23.8

Manual Integrations

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Reviewed By :Mahesh Dadoda 11/09/2024

Supervised By :Semsettin Yesilyurt 11/09/2024



#66

Benzyl Chloride

Concen: 0.440 ppbv m

RT: 16.330 min Scan# 4269

Delta R.T. 0.003 min

Lab File: VL041677.D

Acq: 7 Nov 2024 12:13

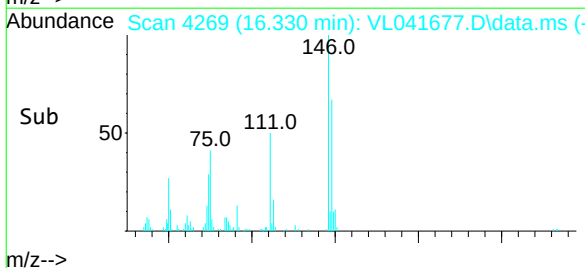
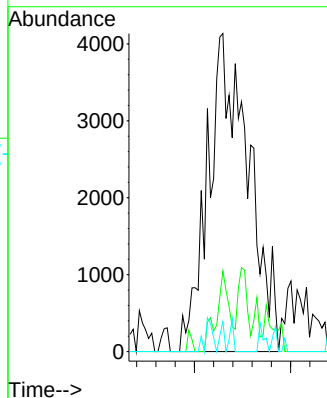
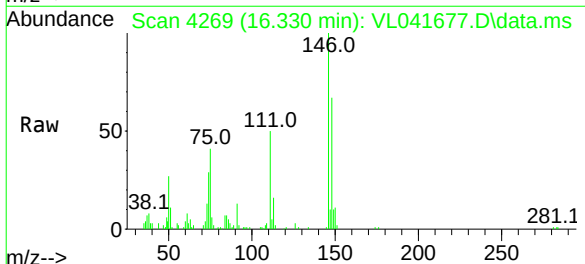
Tgt Ion: 91 Resp: 12069

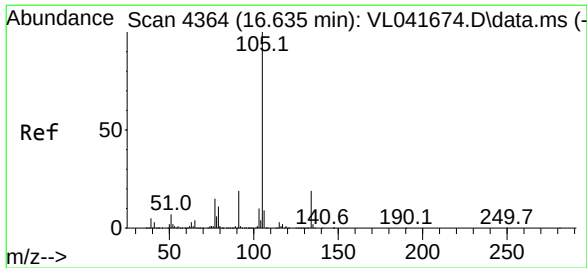
Ion Ratio Lower Upper

91 100

126 0.0 13.8 20.6#

128 3.8 4.3 6.5#





#67

sec-Butylbenzene

Concen: 0.429 ppbv

RT: 16.638 min Scan# 43

Delta R.T. 0.003 min

Lab File: VL041677.D

Acq: 7 Nov 2024 12:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion:105 Resp: 230007

Ion Ratio Lower Upper

105 100

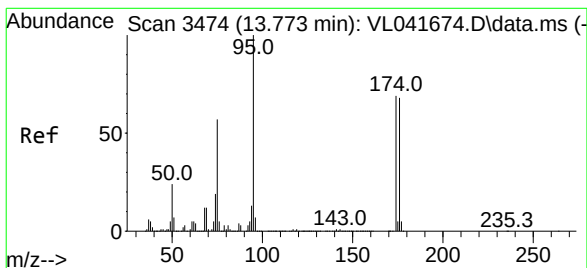
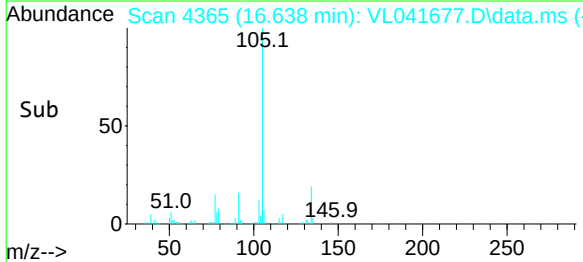
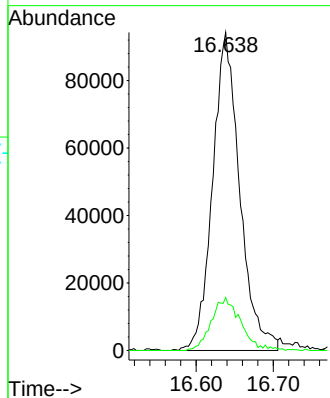
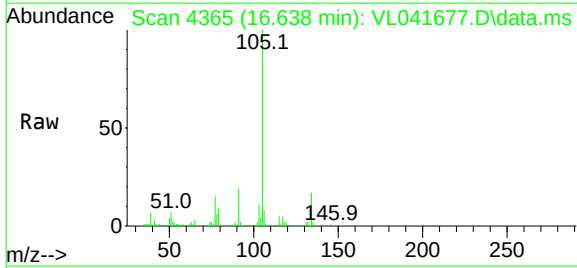
134 18.1 14.6 22.0

Manual Integrations

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Reviewed By :Mahesh Dadoda 11/09/2024

Supervised By :Semsettin Yesilyurt 11/09/2024



#68

1-Bromo-4-Fluorobenzene

Concen: 10.318 ppbv

RT: 13.777 min Scan# 3475

Delta R.T. 0.003 min

Lab File: VL041677.D

Acq: 7 Nov 2024 12:13

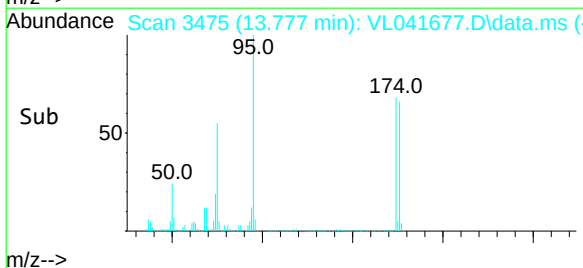
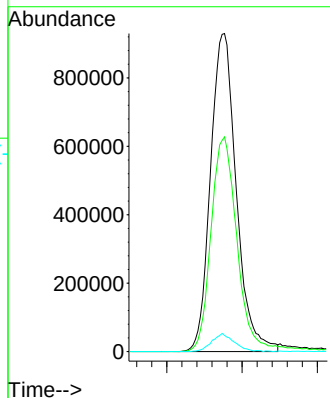
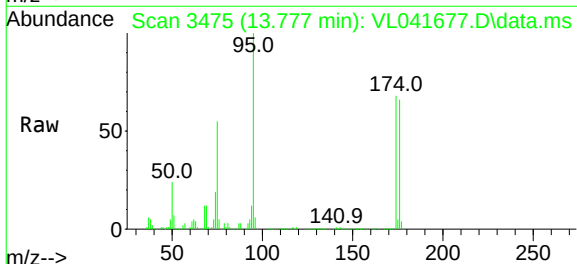
Tgt Ion: 95 Resp: 2213310

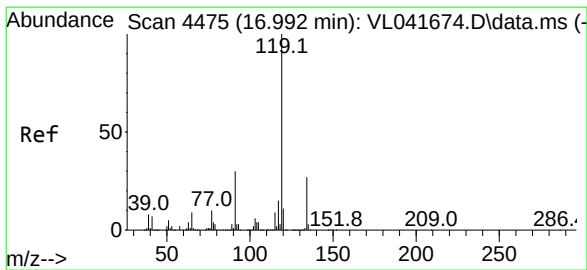
Ion Ratio Lower Upper

95 100

174 69.7 55.6 83.4

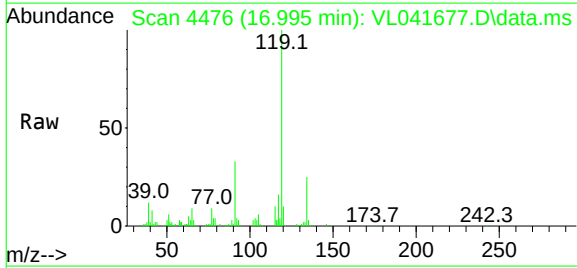
175 5.1 4.2 6.2





#69
p-Isopropyltoluene
Concen: 0.389 ppbv
RT: 16.995 min Scan# 4475
Delta R.T. 0.003 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13

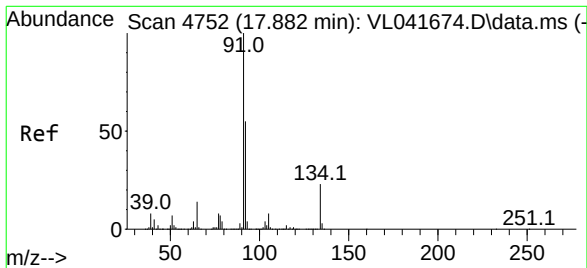
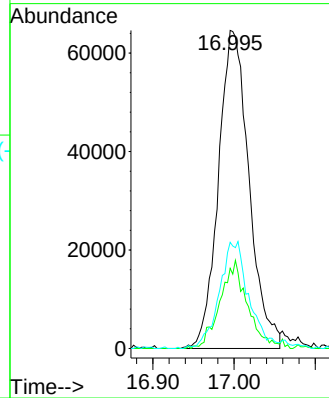
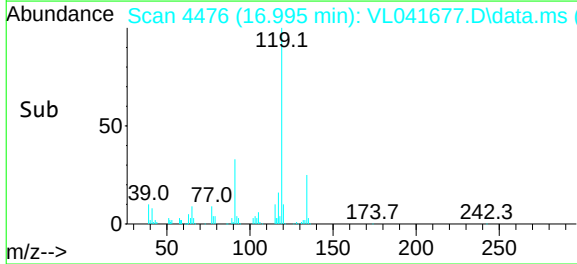
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



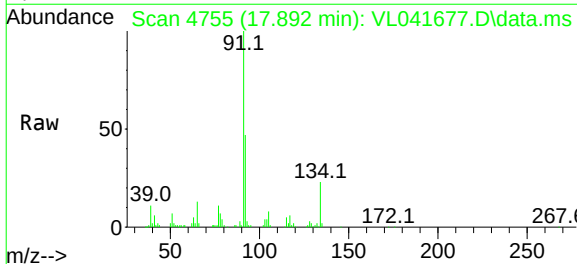
Tgt Ion: 119 Resp: 169014
Ion Ratio Lower Upper
119 100
134 25.1 20.8 31.2
91 33.6 23.2 34.8

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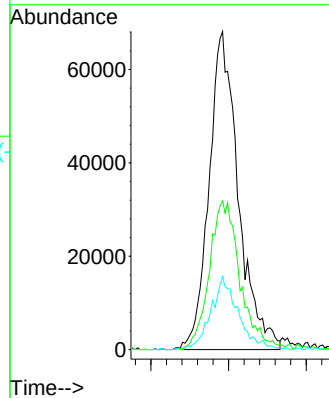
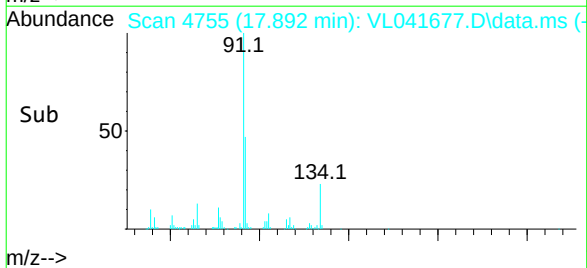
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024

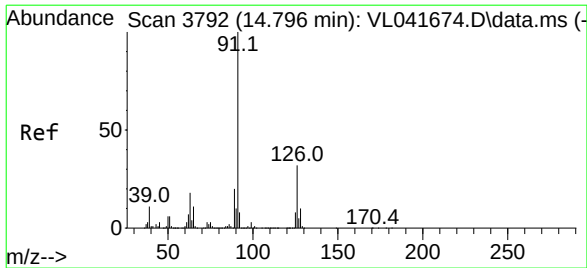


#70
n-Butylbenzene
Concen: 0.402 ppbv m
RT: 17.892 min Scan# 4755
Delta R.T. 0.010 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13



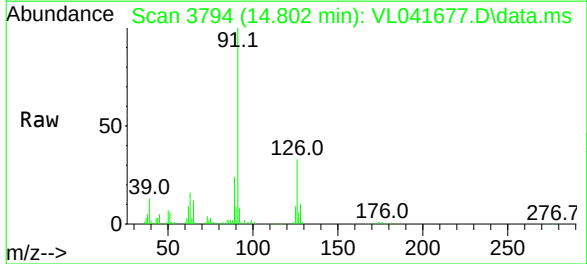
Tgt Ion: 91 Resp: 178790
Ion Ratio Lower Upper
91 100
92 49.3 43.3 64.9
134 21.5 18.4 27.6





#71
2-Chlorotoluene
Concen: 0.401 ppbv
RT: 14.802 min Scan# 3792
Delta R.T. 0.007 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13

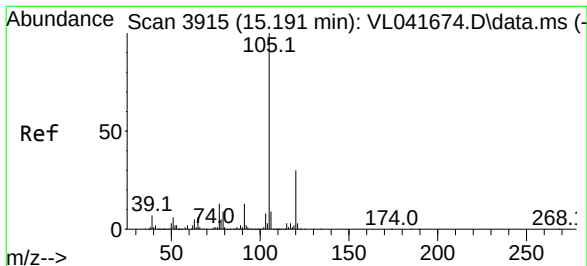
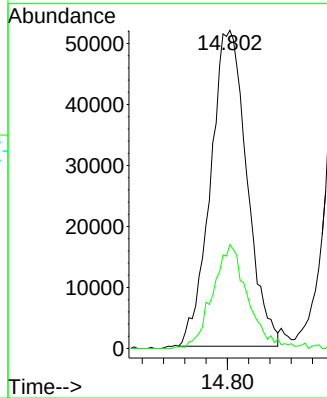
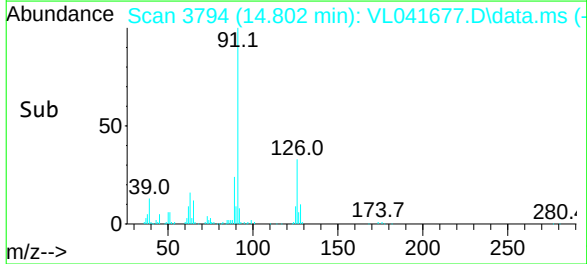
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



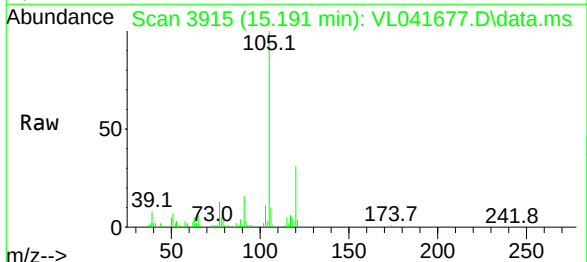
Tgt Ion: 91 Resp: 122982
Ion Ratio Lower Upper
91 100
126 31.8 12.8 51.0

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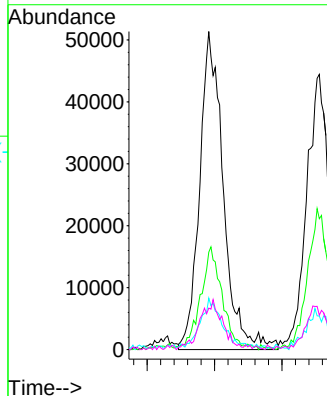
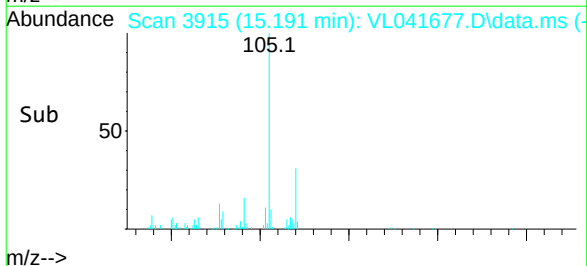
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024

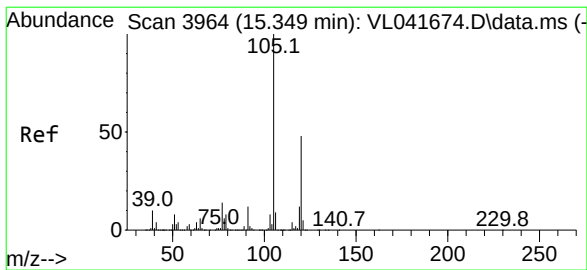


#72
4-Ethyltoluene
Concen: 0.393 ppbv m
RT: 15.191 min Scan# 3915
Delta R.T. 0.000 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13



Tgt Ion:105 Resp: 125281
Ion Ratio Lower Upper
105 100
120 30.3 25.0 37.4
91 17.3 10.6 15.8#
77 15.4 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 0.412 ppbv m

RT: 15.355 min Scan# 39

Delta R.T. 0.007 min

Lab File: VL041677.D

Acq: 7 Nov 2024 12:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion:105 Resp: 115096

Ion Ratio Lower Upper

105 100

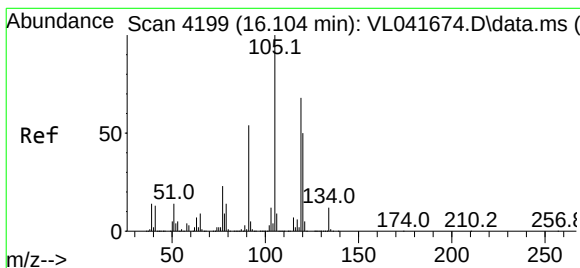
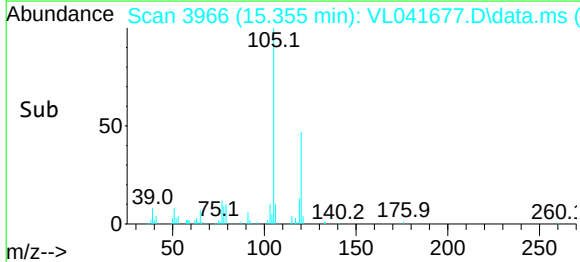
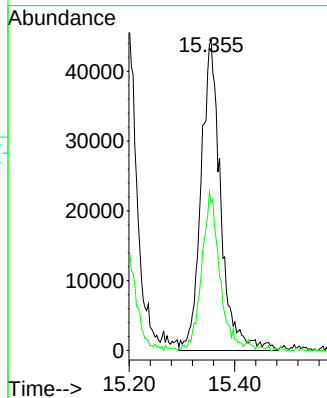
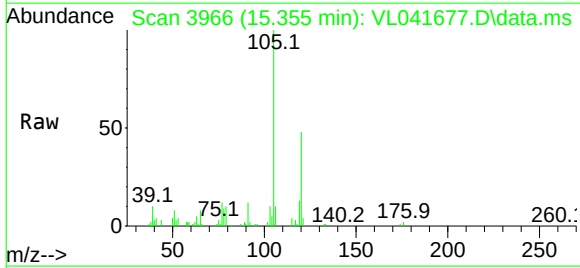
120 47.5 38.4 57.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024

Supervised By :Semsettin Yesilyurt 11/09/2024



#74

1,2,4-Trimethylbenzene

Concen: 0.437 ppbv

RT: 16.111 min Scan# 4201

Delta R.T. 0.007 min

Lab File: VL041677.D

Acq: 7 Nov 2024 12:13

Tgt Ion:105 Resp: 142178

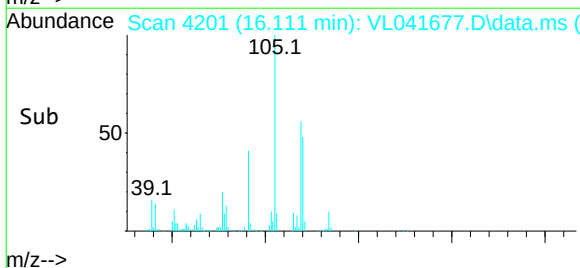
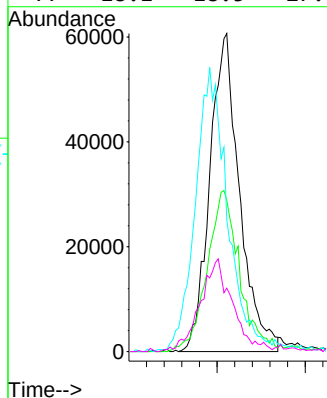
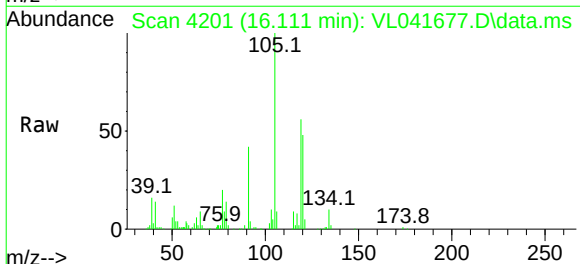
Ion Ratio Lower Upper

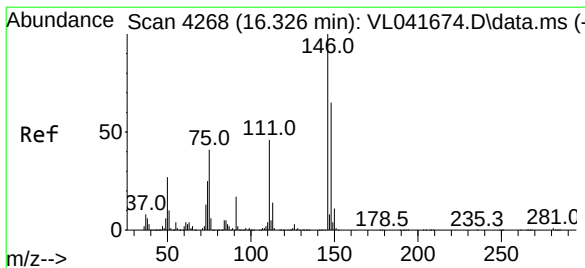
105 100

120 46.3 39.8 59.8

91 39.2 43.2 64.8#

77 18.1 18.5 27.7#





#75

1,3-Dichlorobenzene

Concen: 0.464 ppbv m

RT: 16.333 min Scan# 4268

Delta R.T. 0.007 min

Lab File: VL041677.D

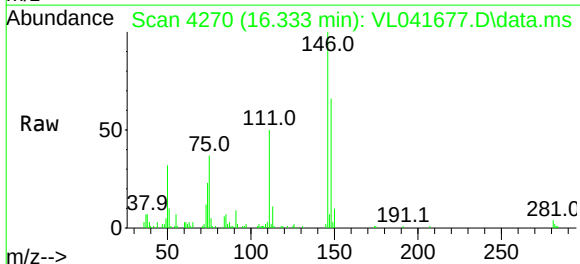
Acq: 7 Nov 2024 12:13

Instrument :

MSVOA_L

ClientSampleId :

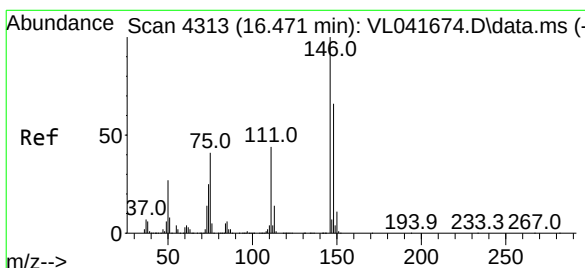
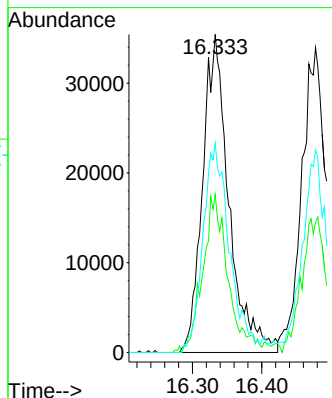
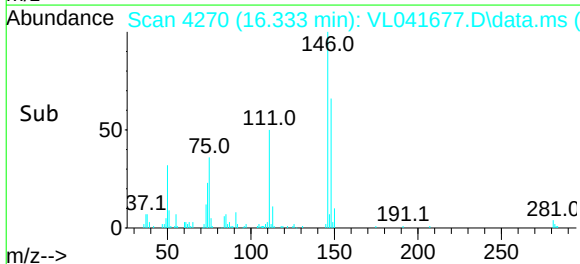
VSTDICC0.5



Tgt Ion:	146	Resp:	93240
Ion Ratio	Lower	Upper	
146	100		
111	0.0	22.8	68.3#
148	0.0	32.4	97.0#

Manual Integrations
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Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#76

1,4-Dichlorobenzene

Concen: 0.473 ppbv m

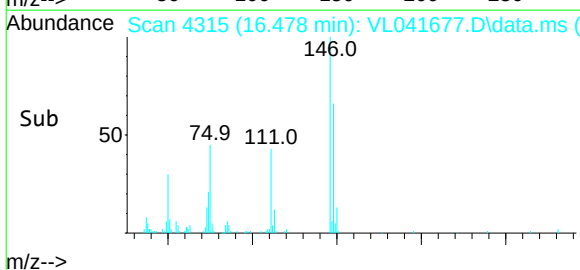
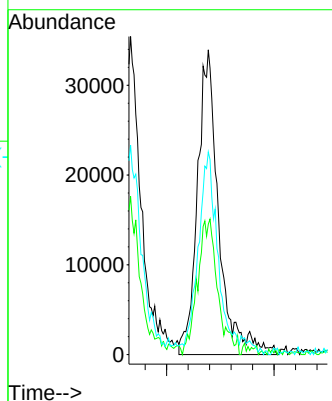
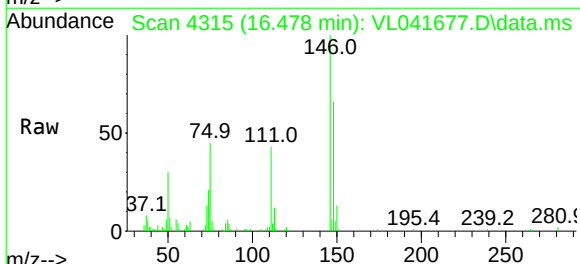
RT: 16.478 min Scan# 4315

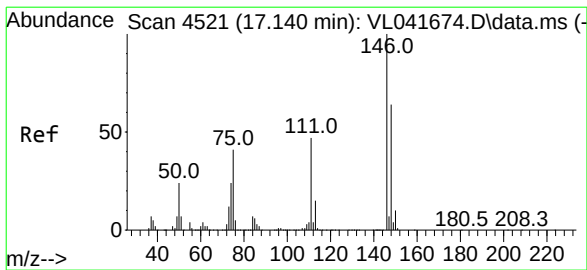
Delta R.T. 0.007 min

Lab File: VL041677.D

Acq: 7 Nov 2024 12:13

Tgt Ion:	146	Resp:	93341
Ion Ratio	Lower	Upper	
146	100		
111	0.0	22.1	66.3#
148	0.0	33.3	99.8#





#77

1,2-Dichlorobenzene

Concen: 0.468 ppbv

RT: 17.146 min Scan# 4521

Delta R.T. 0.007 min

Lab File: VL041677.D

Acq: 7 Nov 2024 12:13

Instrument :

MSVOA_L

ClientSampleId :

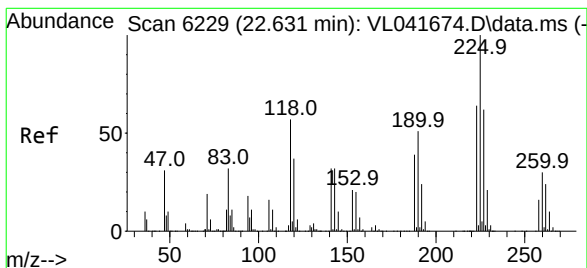
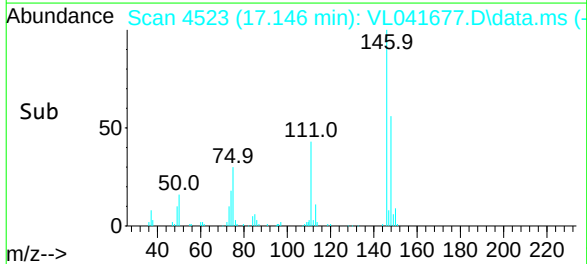
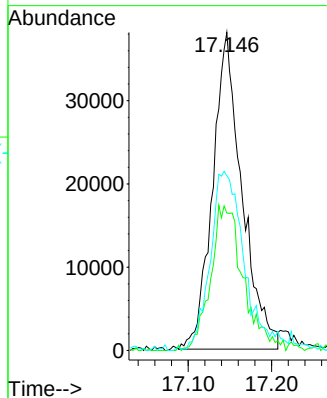
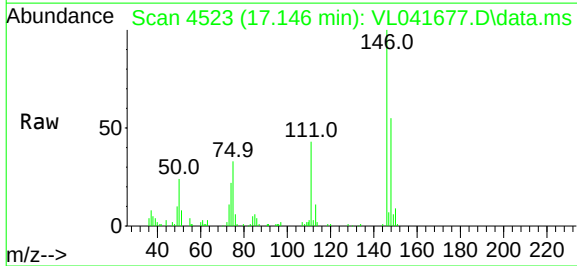
VSTDIC0.5

Tgt Ion:	146	Resp:	93228
Ion	Ratio	Lower	Upper
146	100		
111	52.2	23.4	70.3
148	67.8	32.1	96.5

Manual Integrations

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Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#78

Hexachloro-1,3-Butadiene

Concen: 0.570 ppbv m

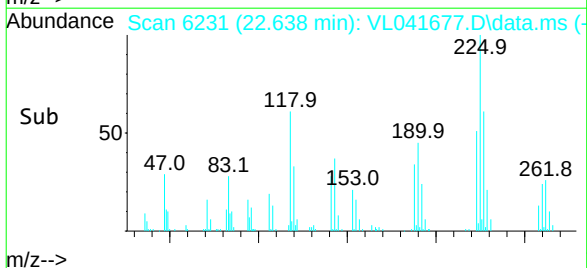
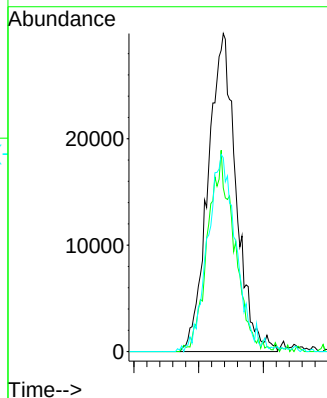
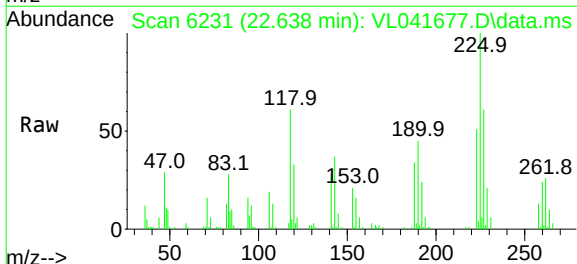
RT: 22.638 min Scan# 6231

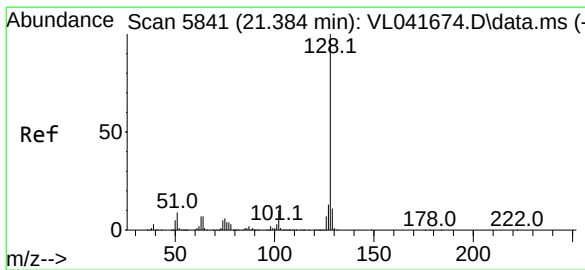
Delta R.T. 0.007 min

Lab File: VL041677.D

Acq: 7 Nov 2024 12:13

Tgt Ion:	225	Resp:	89942
Ion	Ratio	Lower	Upper
225	100		
223	59.7	51.1	76.7
227	63.7	51.3	76.9





#79

Naphthalene

Concen: 0.382 ppbv m

RT: 21.397 min Scan# 5841

Delta R.T. 0.013 min

Lab File: VL041677.D

Acq: 7 Nov 2024 12:13

Instrument :

MSVOA_L

ClientSampleId :

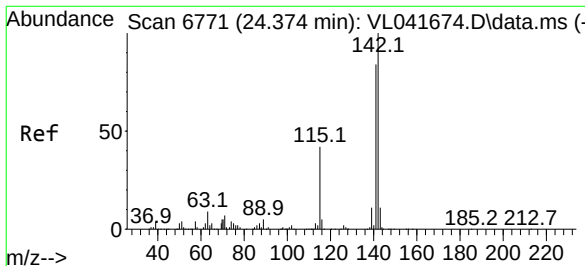
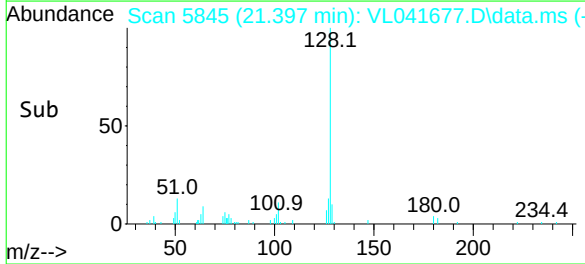
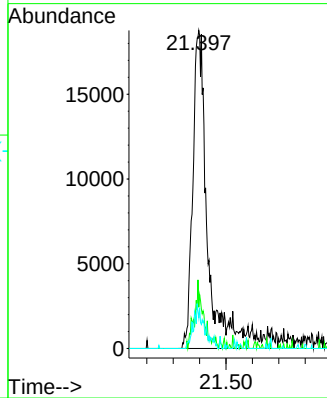
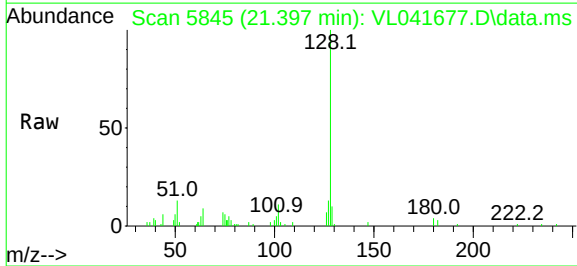
VSTDICC0.5

Tgt Ion:	128	Resp:	76368
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.5	15.7
129	9.6	8.7	13.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#80

Naphthalene, 2-methyl-

Concen: 0.473 ppbv m

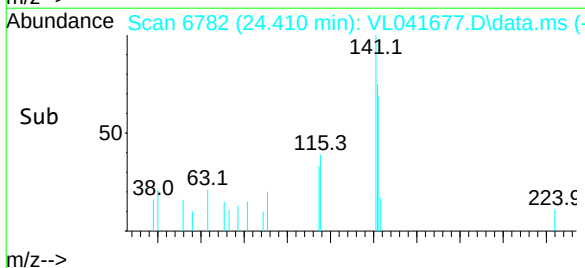
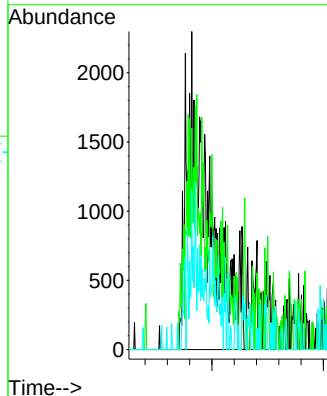
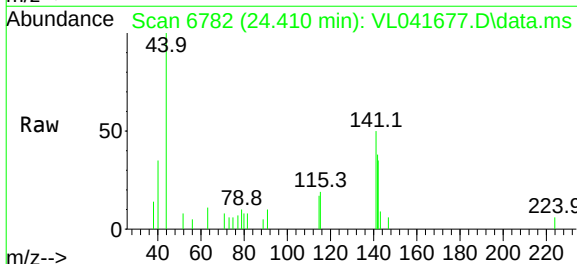
RT: 24.410 min Scan# 6782

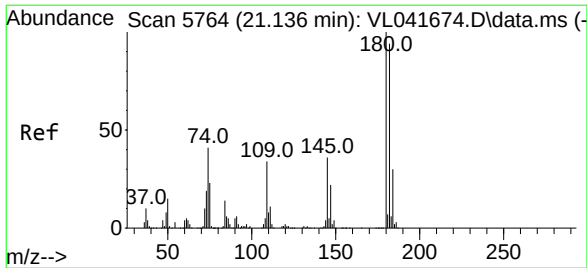
Delta R.T. 0.036 min

Lab File: VL041677.D

Acq: 7 Nov 2024 12:13

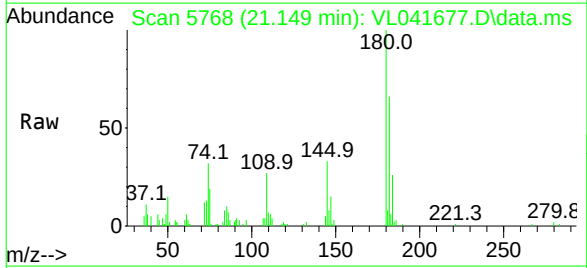
Tgt Ion:	142	Resp:	17526
Ion Ratio	Lower	Upper	
142	100		
141	31.2	68.1	102.1#
115	13.2	33.1	49.7#





#81
1,2,4-Trichlorobenzene
Concen: 0.424 ppbv m
RT: 21.149 min Scan# 5764
Delta R.T. 0.013 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13

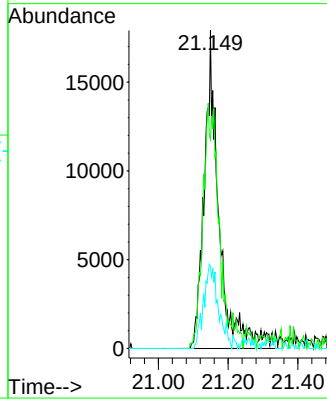
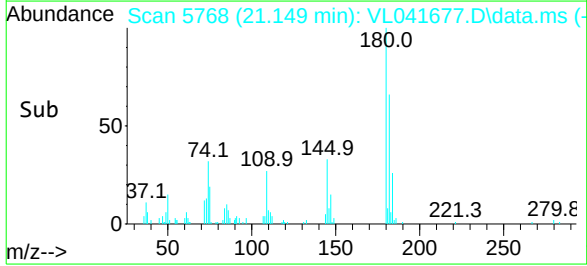
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



Tgt Ion:	180	Resp:	52746
Ion	Ratio	Lower	Upper
180	100		
182	87.8	78.2	117.2
184	0.0	25.0	37.4

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
 Data File : VL041678.D
 Acq On : 7 Nov 2024 12:52
 Operator : SY/MD
 Sample : VSTDICC0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.1

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024
 Supervised By :Semsettin Yesilyurt 11/09/2024

Quant Time: Nov 08 00:11:58 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Nov 08 00:07:44 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.189	49	1123559	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	3159589	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2815160	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.774	95	2112048	10.145	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.400%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	2.915	62	5503	0.078	ppbv	97
32) 1,1,1-Trichloroethane	6.002	97	14483m	0.087	ppbv	
35) Carbon Tetrachloride	6.488	117	13438m	0.080	ppbv	
38) Trichloroethene	7.291	130	7336m	0.081	ppbv	
52) Tetrachloroethene	10.613	164	6067m	0.076	ppbv	
54) 1,2-Dibromoethane	10.005	107	7494m	0.064	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.047	83	15978m	0.082	ppbv	
79) Naphthalene	21.400	128	7580m	0.039	ppbv	

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

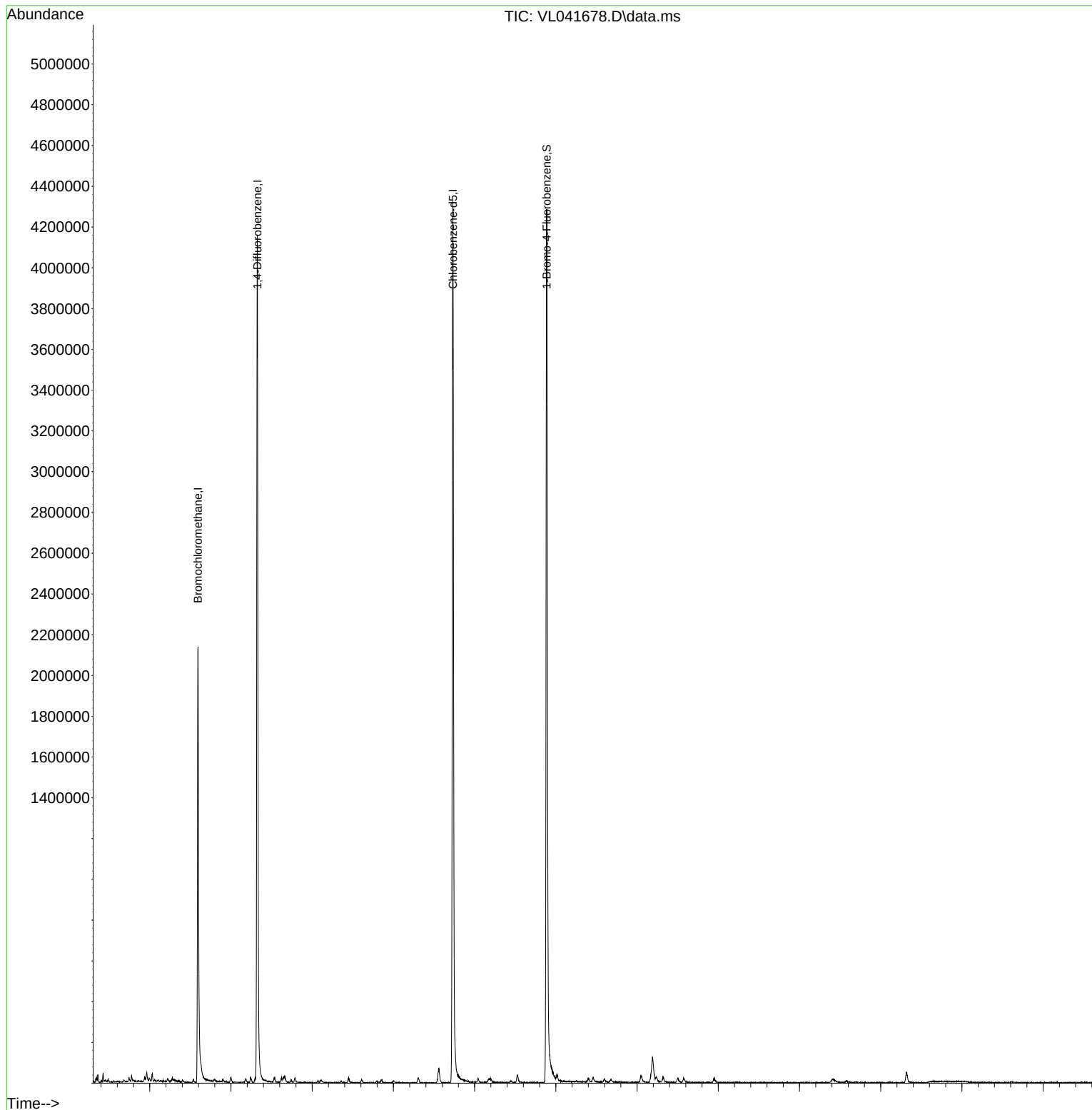
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
Data File : VL041678.D
Acq On : 7 Nov 2024 12:52
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

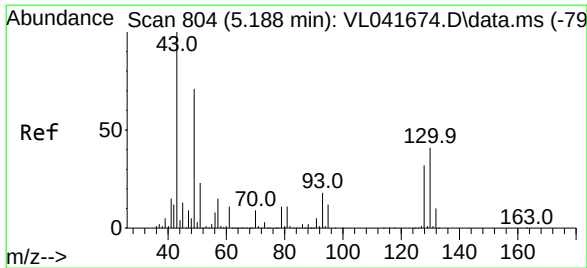
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Quant Time: Nov 08 00:11:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Nov 08 00:07:44 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

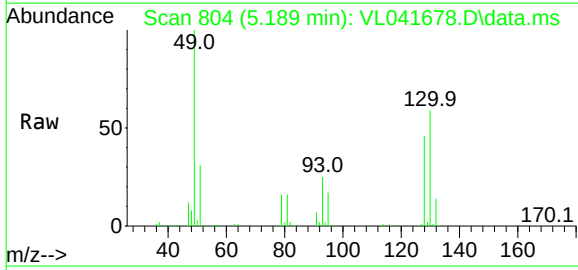
Reviewed By : Mahesh Dadoda 11/09/2024
Supervised By : Semsettin Yesilyurt 11/09/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.189 min Scan# 804
Delta R.T. 0.001 min
Lab File: VL041678.D
Acq: 7 Nov 2024 12:52

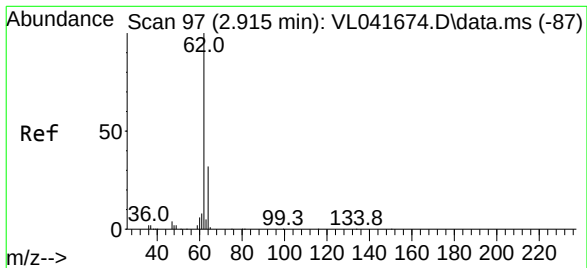
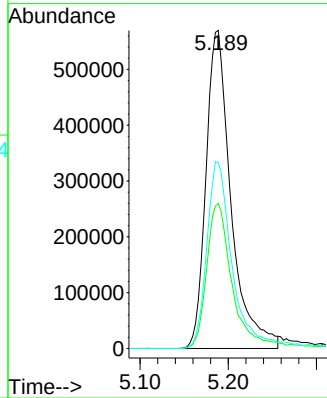
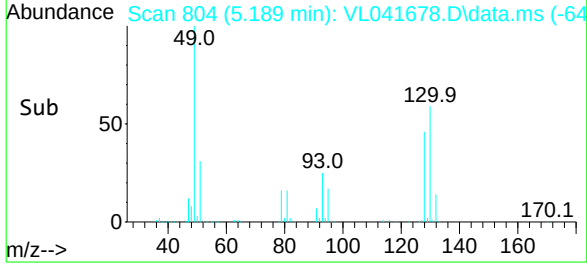
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1



Tgt Ion: 49 Resp: 1123559
Ion Ratio Lower Upper
49 100
128 48.3 23.8 71.2
130 62.1 30.1 90.5

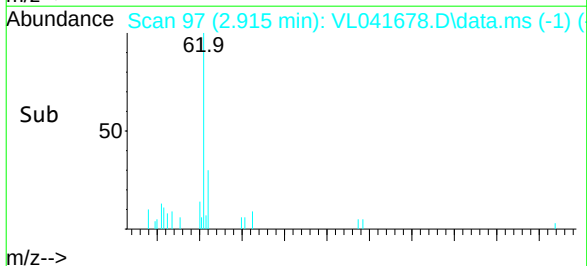
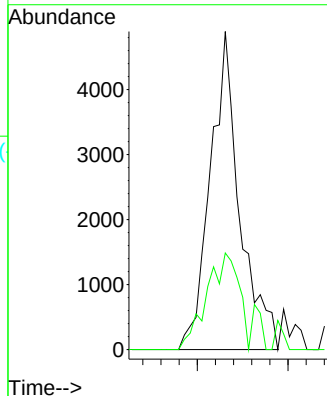
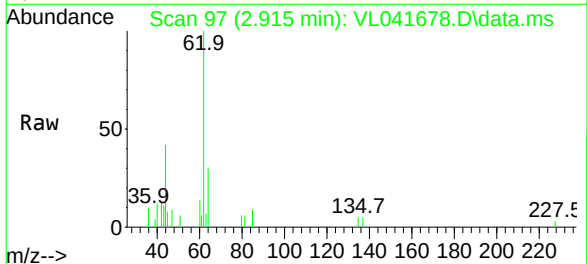
Manual Integrations
APPROVED

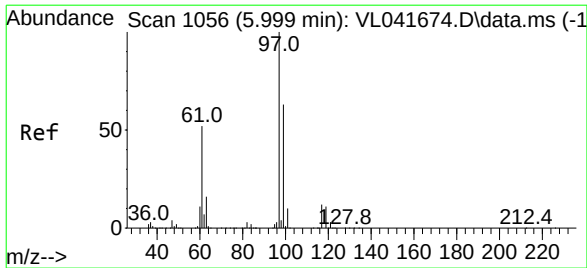
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#5
Vinyl Chloride
Concen: 0.078 ppbv
RT: 2.915 min Scan# 97
Delta R.T. 0.000 min
Lab File: VL041678.D
Acq: 7 Nov 2024 12:52

Tgt Ion: 62 Resp: 5503
Ion Ratio Lower Upper
62 100
64 30.4 25.4 38.2





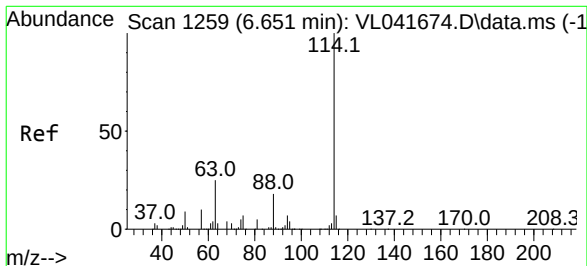
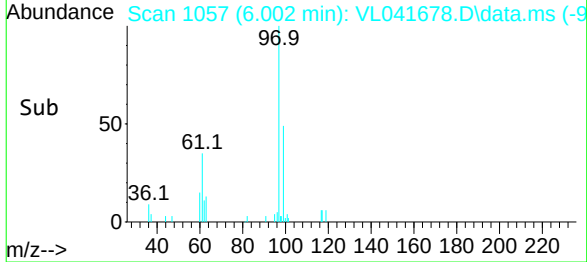
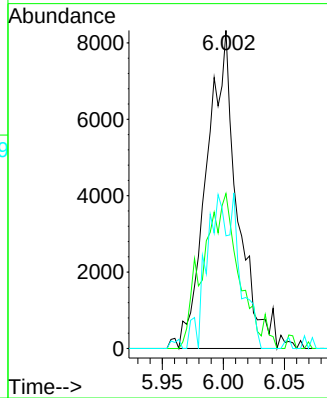
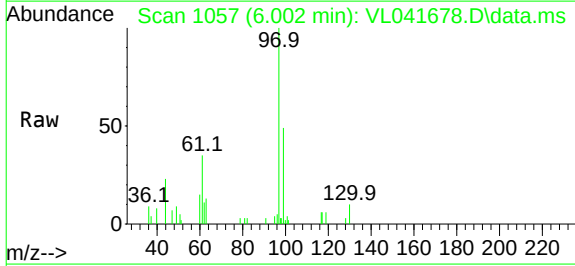
#32
1,1,1-Trichloroethane
Concen: 0.087 ppbv m
RT: 6.002 min Scan# 10
Delta R.T. 0.003 min
Lab File: VL041678.D
Acq: 7 Nov 2024 12:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 97 Resp: 14483
Ion Ratio Lower Upper
97 100
99 58.9 51.4 77.2
61 51.4 41.7 62.5

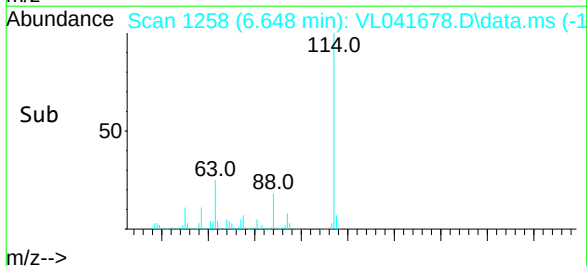
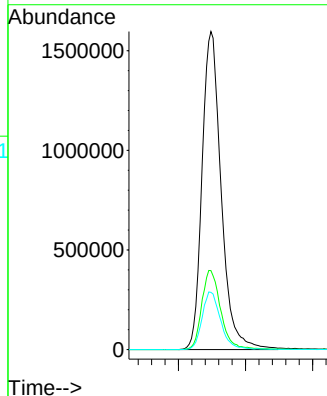
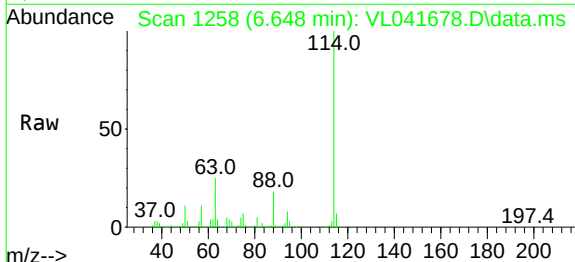
Manual Integrations
APPROVED

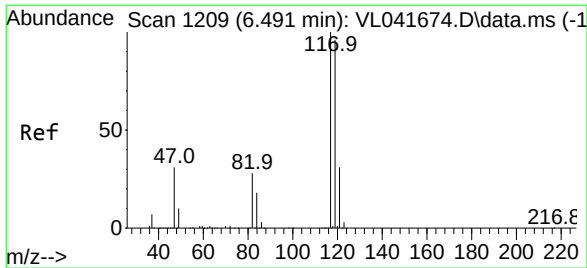
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.648 min Scan# 1258
Delta R.T. -0.003 min
Lab File: VL041678.D
Acq: 7 Nov 2024 12:52

Tgt Ion:114 Resp: 3159589
Ion Ratio Lower Upper
114 100
63 25.0 20.3 30.5
88 17.8 14.2 21.4





#35

Carbon Tetrachloride

Concen: 0.080 ppbv m

RT: 6.488 min Scan# 1209

Delta R.T. -0.003 min

Lab File: VL041678.D

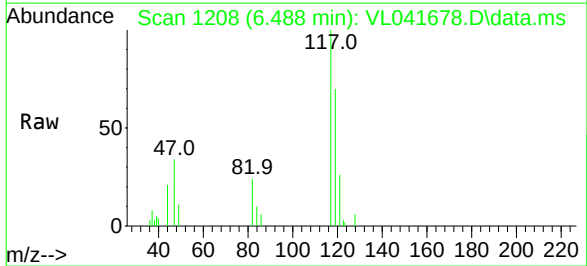
Acq: 7 Nov 2024 12:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1



Tgt Ion:117 Resp: 13438

Ion Ratio Lower Upper

117 100

119 70.2 77.2 115.8#

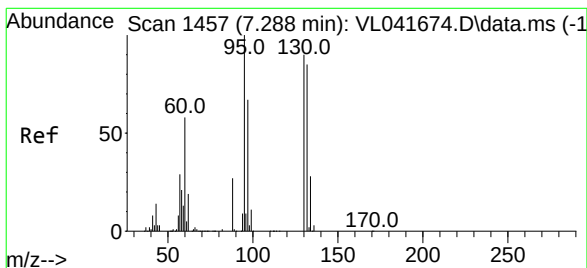
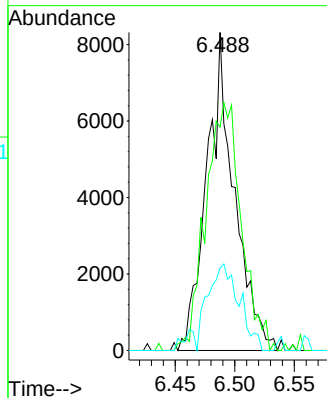
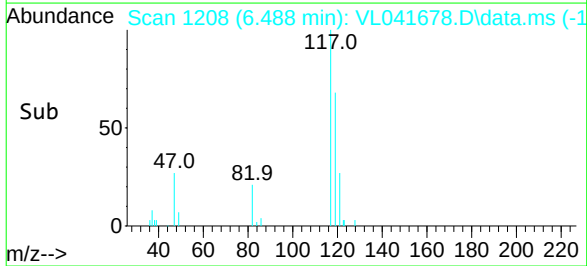
121 25.9 25.0 37.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024

Supervised By :Semsettin Yesilyurt 11/09/2024



#38

Trichloroethene

Concen: 0.081 ppbv m

RT: 7.291 min Scan# 1458

Delta R.T. 0.003 min

Lab File: VL041678.D

Acq: 7 Nov 2024 12:52

Tgt Ion:130 Resp: 7336

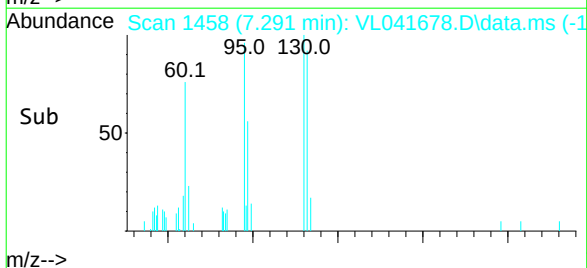
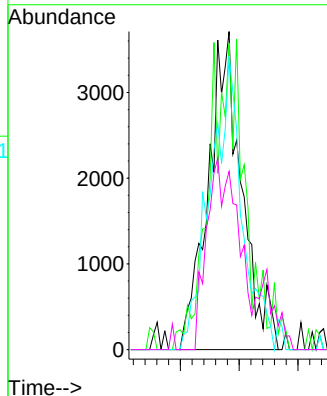
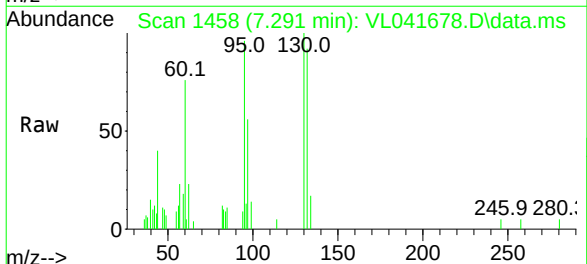
Ion Ratio Lower Upper

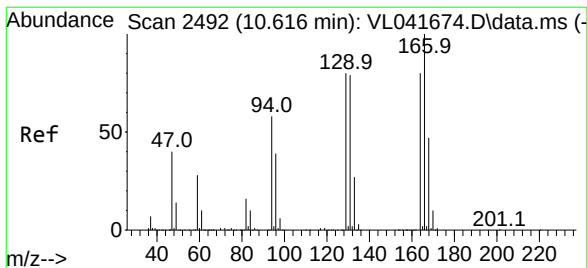
130 100

95 96.4 89.1 133.7

132 92.4 75.7 113.5

97 56.0 60.0 90.0#





#52

Tetrachloroethene

Concen: 0.076 ppbv m

RT: 10.613 min Scan# 2491

Delta R.T. -0.003 min

Lab File: VL041678.D

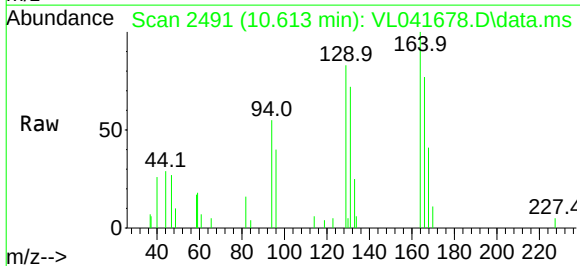
Acq: 7 Nov 2024 12:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1



Tgt Ion:164 Resp: 6067

Ion Ratio Lower Upper

164 100

166 76.8 100.2 150.4#

129 83.0 79.7 119.5

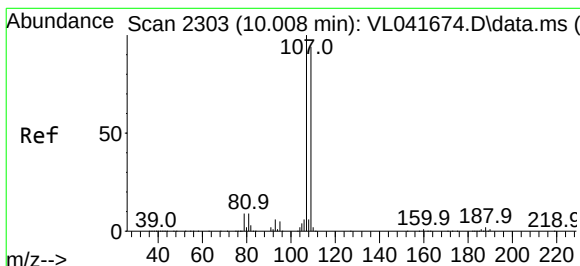
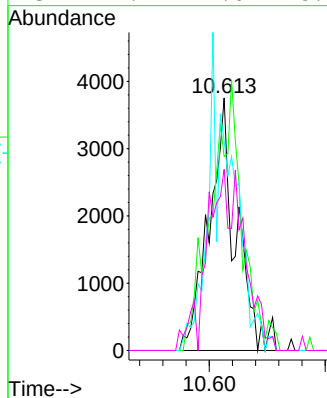
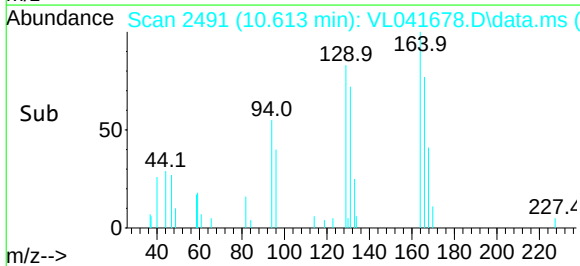
131 71.7 79.0 118.4#

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024

Supervised By :Semsettin Yesilyurt 11/09/2024



#54

1,2-Dibromoethane

Concen: 0.064 ppbv m

RT: 10.005 min Scan# 2302

Delta R.T. -0.003 min

Lab File: VL041678.D

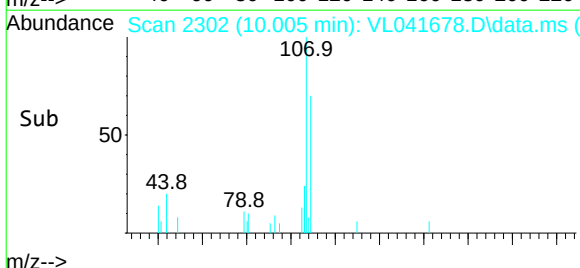
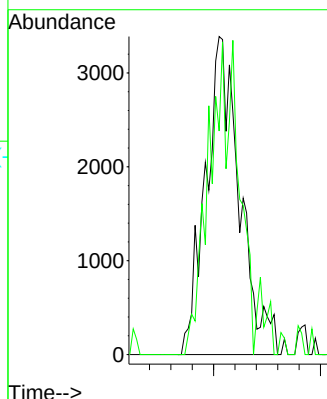
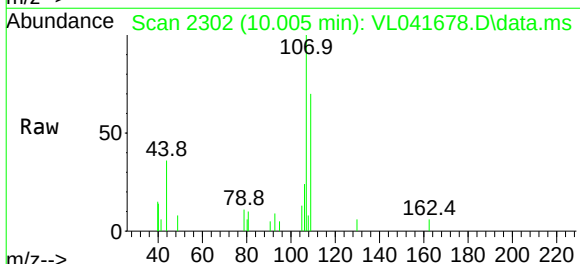
Acq: 7 Nov 2024 12:52

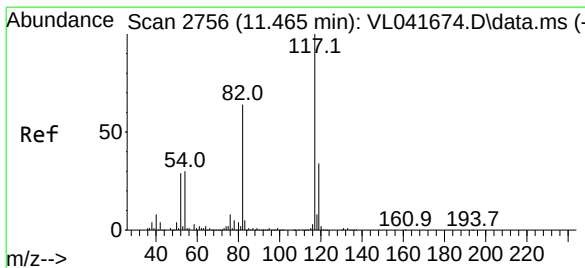
Tgt Ion:107 Resp: 7494

Ion Ratio Lower Upper

107 100

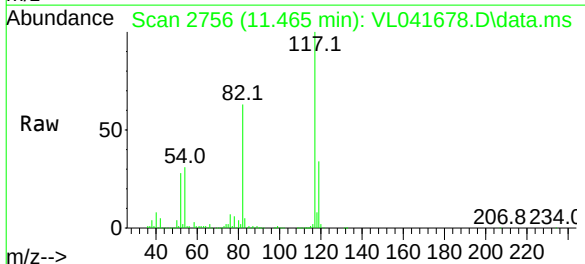
109 70.3 74.9 112.3#





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.465 min Scan# 2756
Delta R.T. 0.000 min
Lab File: VL041678.D
Acq: 7 Nov 2024 12:52

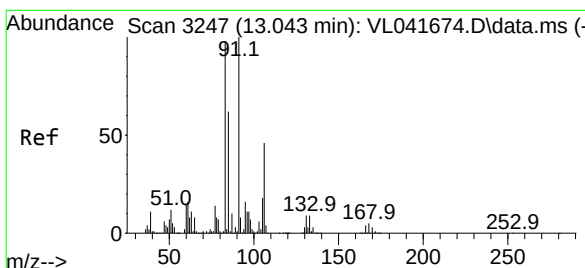
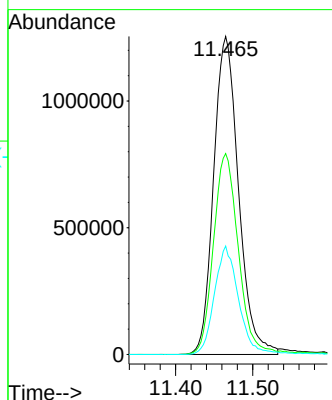
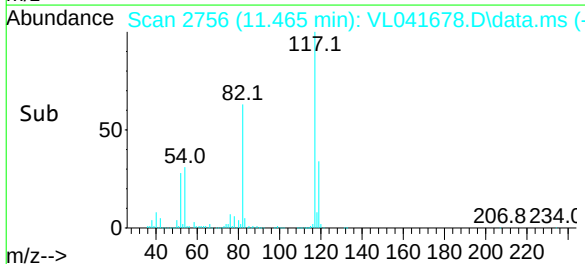
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1



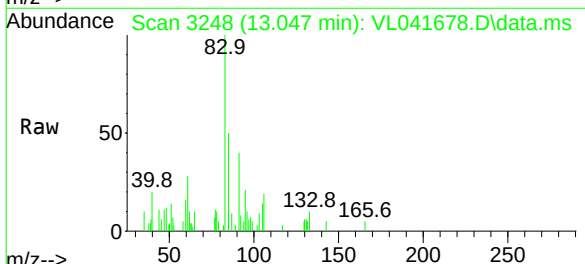
Tgt Ion: 117 Resp: 2815160
Ion Ratio Lower Upper
117 100
82 64.5 49.8 74.8
119 33.4 24.2 36.4

Manual Integrations
APPROVED

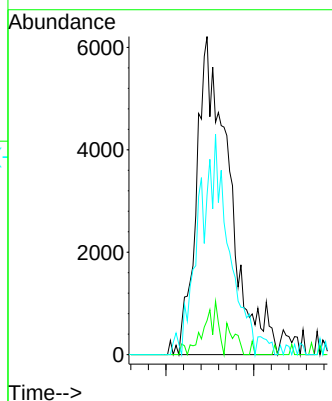
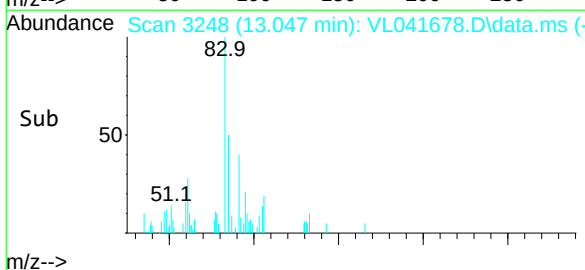
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024

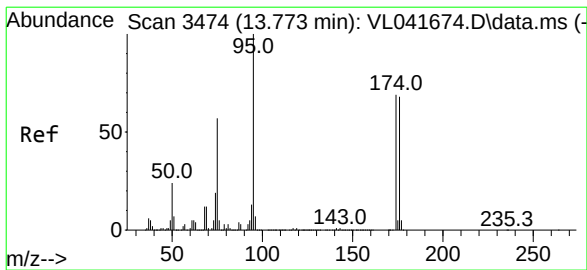


#63
1,1,2,2-Tetrachloroethane
Concen: 0.082 ppbv m
RT: 13.047 min Scan# 3248
Delta R.T. 0.003 min
Lab File: VL041678.D
Acq: 7 Nov 2024 12:52



Tgt Ion: 83 Resp: 15978
Ion Ratio Lower Upper
83 100
131 0.0 4.8 14.3#
85 0.0 32.6 98.0#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.145 ppbv

RT: 13.774 min Scan# 3474

Delta R.T. 0.000 min

Lab File: VL041678.D

Acq: 7 Nov 2024 12:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.1

Tgt Ion: 95 Resp: 2112048

Ion Ratio Lower Upper

95 100

174 71.0 55.6 83.4

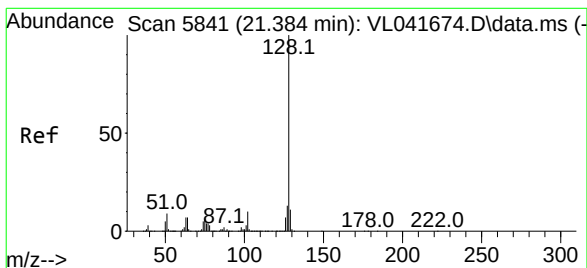
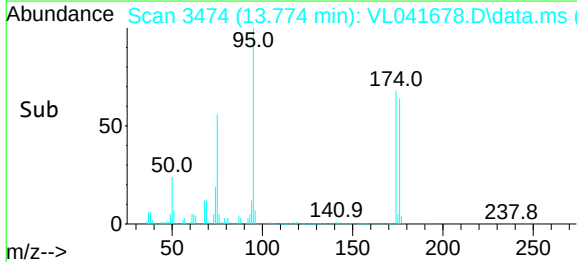
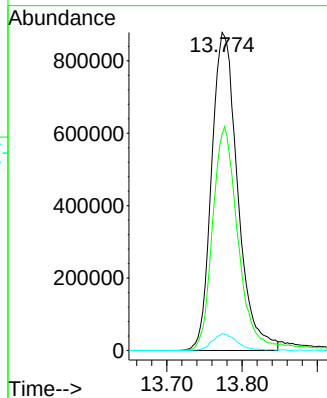
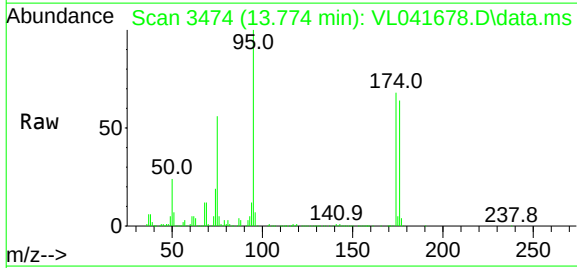
175 5.1 4.2 6.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024

Supervised By :Semsettin Yesilyurt 11/09/2024



#79

Naphthalene

Concen: 0.039 ppbv m

RT: 21.400 min Scan# 5846

Delta R.T. 0.016 min

Lab File: VL041678.D

Acq: 7 Nov 2024 12:52

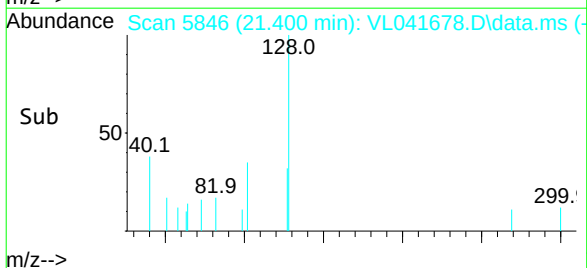
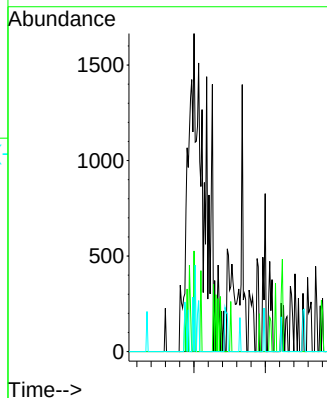
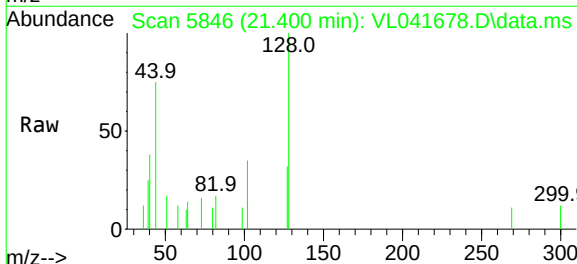
Tgt Ion:128 Resp: 7580

Ion Ratio Lower Upper

128 100

127 31.7 10.5 15.7#

129 0.0 8.7 13.1#



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
 Data File : VL041679.D
 Acq On : 7 Nov 2024 13:31
 Operator : SY/MD
 Sample : VSTDICC0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.03

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024
 Supervised By :Semsettin Yesilyurt 11/09/2024

Quant Time: Nov 08 00:12:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LFri Aug 2
 QLast Update : Fri Nov 08 00:07:44 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	1085923	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.652	114	3041887	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2745730	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	2034307	10.018	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.200%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	2.922	62	2094m	0.031	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.047	83	6025m	0.032	ppbv	

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

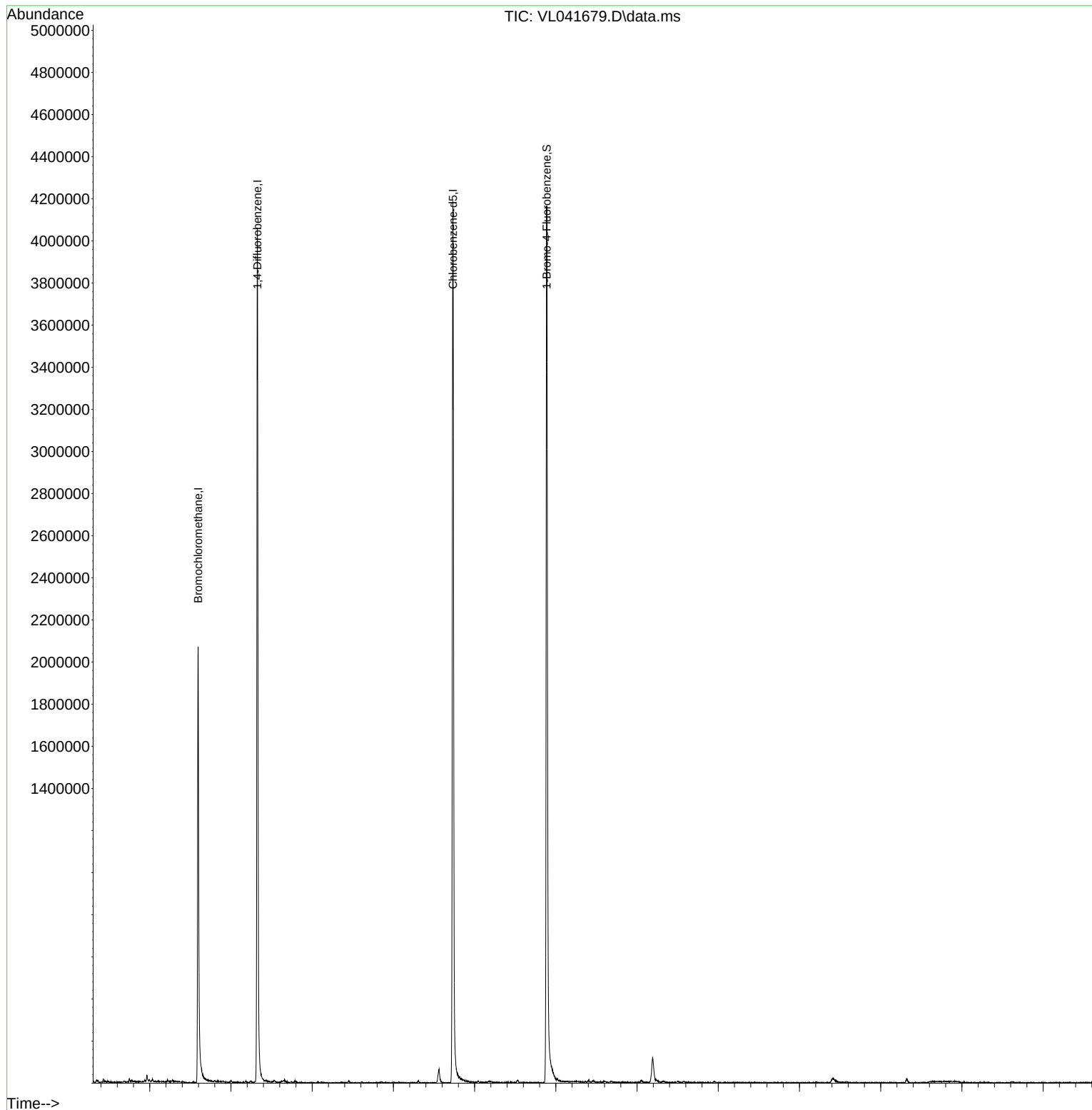
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Data File : VL041679.D
Acq On : 7 Nov 2024 13:31
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

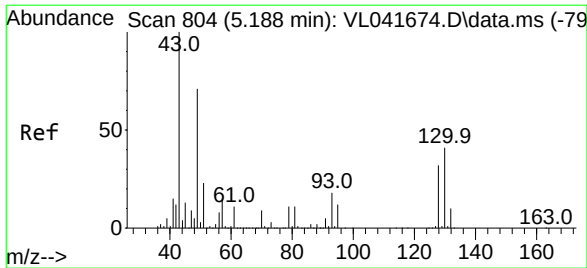
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Quant Time: Nov 08 00:12:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Nov 08 00:07:44 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

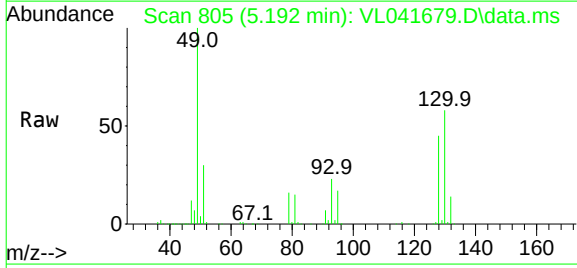
Reviewed By : Mahesh Dadoda 11/09/2024
Supervised By : Semsettin Yesilyurt 11/09/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. 0.004 min
Lab File: VL041679.D
Acq: 7 Nov 2024 13:31

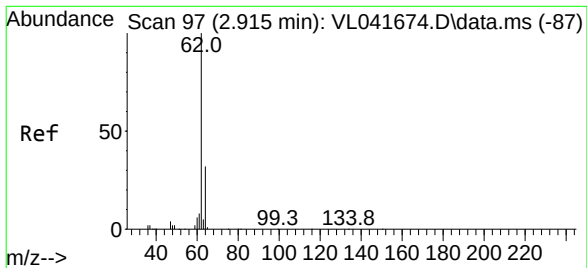
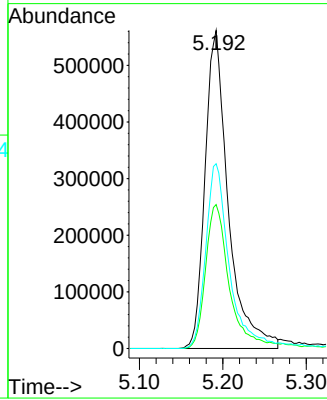
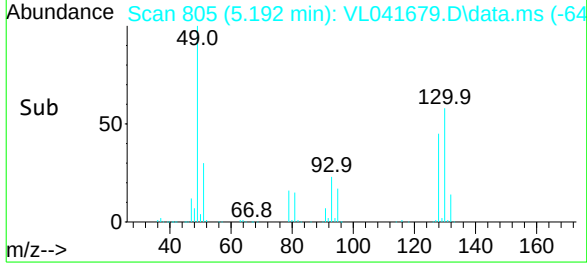
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03



Tgt Ion: 49 Resp: 1085923
Ion Ratio Lower Upper
49 100
128 48.0 23.8 71.2
130 61.1 30.1 90.5

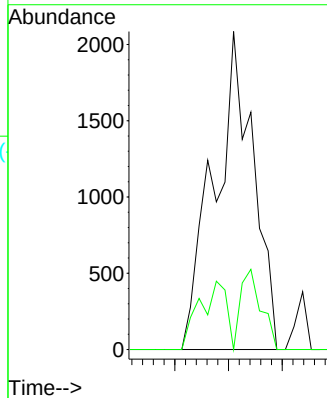
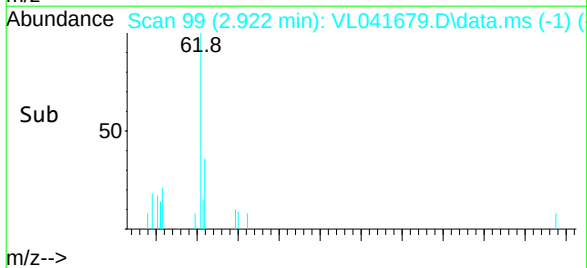
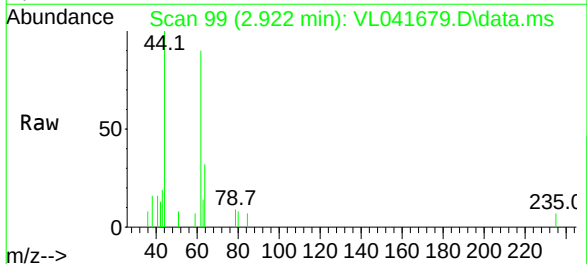
Manual Integrations
APPROVED

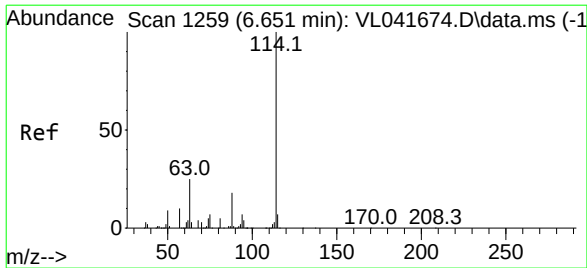
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#5
Vinyl Chloride
Concen: 0.031 ppbv m
RT: 2.922 min Scan# 99
Delta R.T. 0.007 min
Lab File: VL041679.D
Acq: 7 Nov 2024 13:31

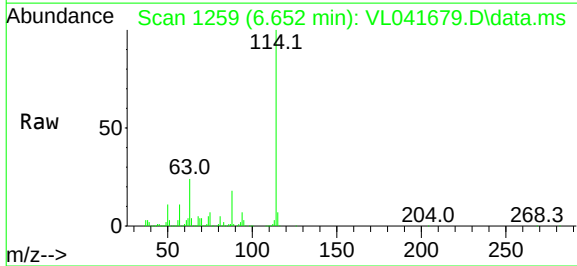
Tgt Ion: 62 Resp: 2094
Ion Ratio Lower Upper
62 100
64 0.0 25.4 38.2#





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.652 min Scan# 1259
Delta R.T. 0.000 min
Lab File: VL041679.D
Acq: 7 Nov 2024 13:31

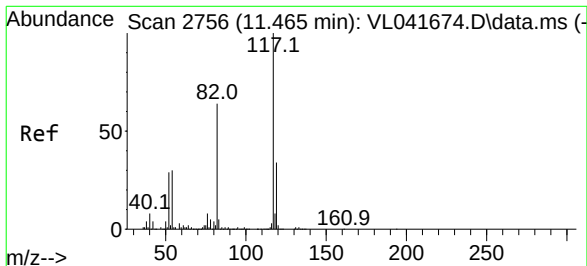
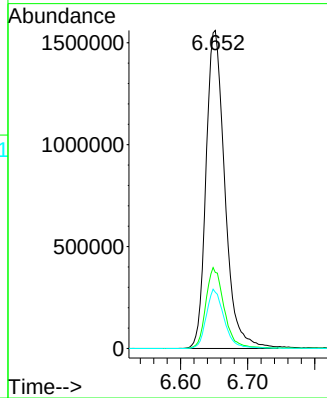
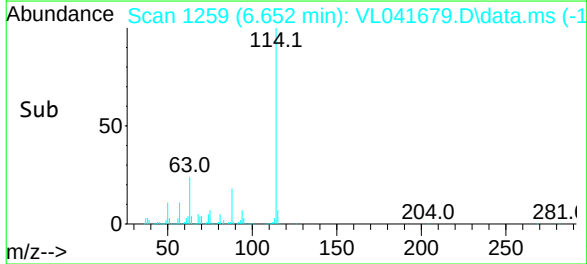
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03



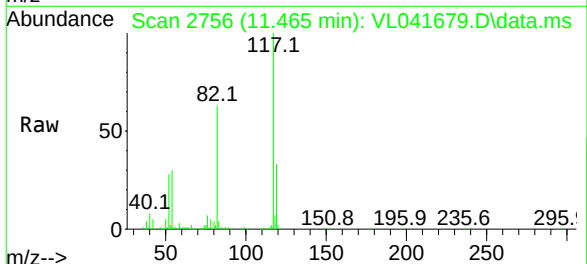
Tgt Ion:114 Resp: 3041887
Ion Ratio Lower Upper
114 100
63 24.9 20.3 30.5
88 17.8 14.2 21.4

Manual Integrations
APPROVED

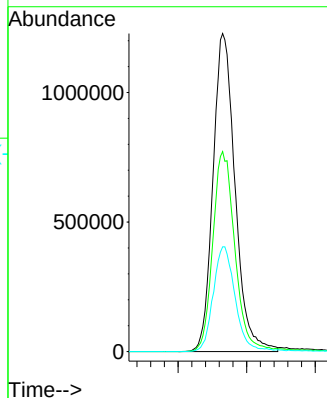
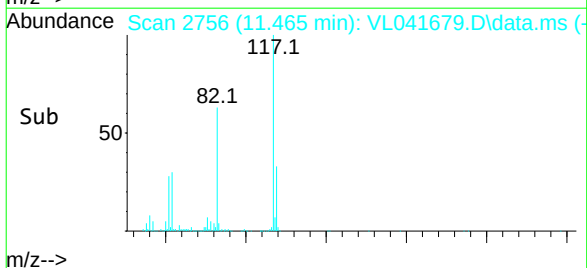
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024

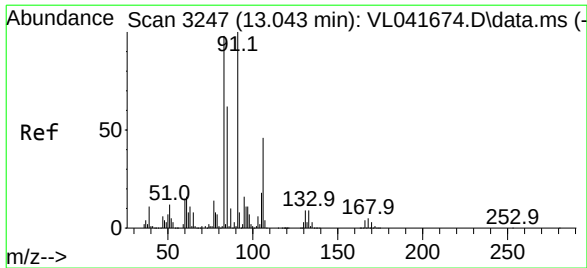


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.465 min Scan# 2756
Delta R.T. 0.000 min
Lab File: VL041679.D
Acq: 7 Nov 2024 13:31



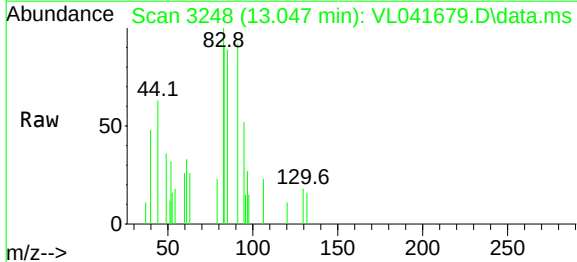
Tgt Ion:117 Resp: 2745730
Ion Ratio Lower Upper
117 100
82 64.3 49.8 74.8
119 33.4 24.2 36.4





#63
1,1,2,2-Tetrachloroethane
Concen: 0.032 ppbv m
RT: 13.047 min Scan# 3247
Delta R.T. 0.003 min
Lab File: VL041679.D
Acq: 7 Nov 2024 13:31

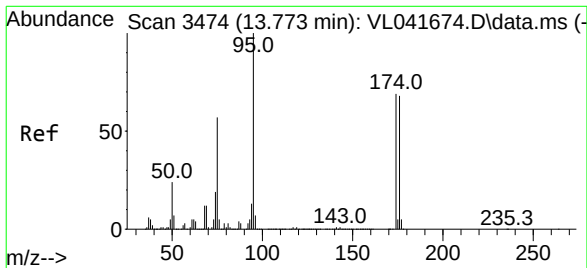
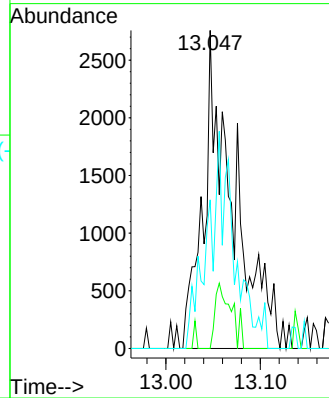
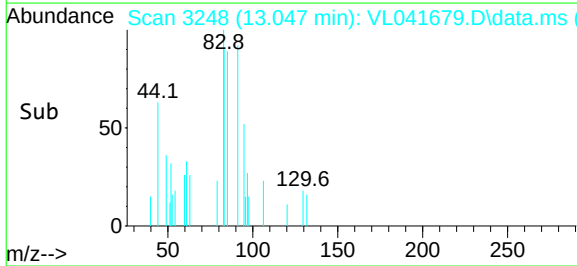
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03



Tgt Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.8	14.3
85	0.0	32.6	98.0

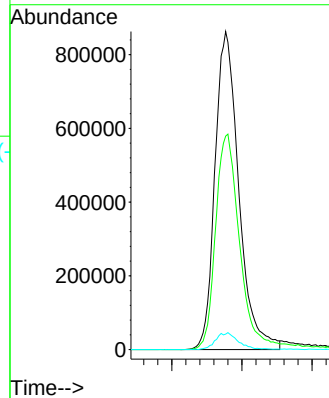
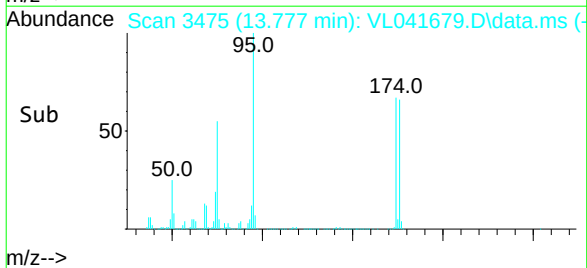
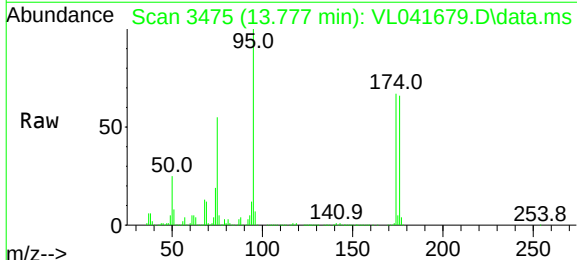
Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#68
1-Bromo-4-Fluorobenzene
Concen: 10.018 ppbv
RT: 13.777 min Scan# 3475
Delta R.T. 0.003 min
Lab File: VL041679.D
Acq: 7 Nov 2024 13:31

Tgt Ion	Ratio	Lower	Upper
95	100		
174	70.8	55.6	83.4
175	5.2	4.2	6.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
 Data File : VL041680.D
 Acq On : 7 Nov 2024 14:12
 Operator : SY/MD
 Sample : VSTDICC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

Quant Time: Nov 08 00:13:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Fri Nov 08 00:07:44 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Mahesh Dadoda 11/09/2024
 Supervised By : Semsettin Yesilyurt 11/09/2024

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

Internal Standards						
1) Bromochloromethane	5.192	49	1139788	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	3182548	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	3271350	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.780	95	2357958	9.746	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.500%

Target Compounds	Qvalue					
2) Dichlorodifluoromethane	2.729	85	3118931	15.140	ppbv	99
3) Chlorodifluoromethane	2.674	51	2003229	13.489	ppbv	99
4) Chloromethane	2.813	50	1085629	13.801	ppbv	95
5) Vinyl Chloride	2.922	62	1061943	14.900	ppbv	99
6) Bromomethane	3.121	94	543873	14.489	ppbv	99
7) Chloroethane	3.198	64	374124	14.487	ppbv	99
8) Dichlorotetrafluoroethane	2.858	85	2471590	13.440	ppbv	100
9) Propene	2.694	41	906594	14.010	ppbv	99
10) Heptane	7.581	43	2284371	15.754	ppbv	98
11) Trichlorofluoromethane	3.562	101	2504580	13.958	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.067	101	1834846	14.068	ppbv	100
13) Ethanol	3.250	45	50975m	12.664	ppbv	
14) Bromoethene	3.366	108	755053	14.401	ppbv	98
15) Acetone	3.469	43	1886393	13.448	ppbv	99
16) 1,3-Butadiene	2.986	39	1081107	15.371	ppbv	99
17) tert-Butyl alcohol	3.880	59	1663672	13.516	ppbv	100
18) 1,1-Dichloroethene	3.880	96	834933	14.596	ppbv	93
19) Isopropyl Alcohol	3.575	45	910280	13.406	ppbv	100
20) Methylene Chloride	3.932	84	687212	13.313	ppbv	96
21) Allyl Chloride	3.996	41	1317025	15.194	ppbv	99
22) trans-1,2-Dichloroethene	4.446	96	842095	14.755	ppbv	97
23) Vinyl Acetate	4.626	43	926796	14.047	ppbv	98
24) 1,1-Dichloroethane	4.565	63	1790354	14.103	ppbv	99
25) Ethyl Acetate	5.205	43	4234322	14.583	ppbv	100
26) Hexane	5.211	57	1693823	15.184	ppbv	96
27) Carbon Disulfide	4.124	76	2071779	16.531	ppbv	99
28) Methyl tert-Butyl Ether	4.587	73	988726	13.764	ppbv	99
29) Chloroform	5.276	83	2615593	14.204	ppbv	98
30) Cyclohexane	6.600	84	1445757	16.132	ppbv	99
31) cis-1,2-Dichloroethene	5.079	61	1655410	15.426	ppbv	98
32) 1,1,1-Trichloroethane	6.005	97	2576420	15.262	ppbv	99
34) 2-Butanone	4.787	43	2382292	15.033	ppbv	100
35) Carbon Tetrachloride	6.497	117	2728914	16.220	ppbv	98
36) Benzene	6.372	78	3579956	15.182	ppbv	100
37) 1,2-Dichloroethane	5.809	62	1992504	14.978	ppbv	99
38) Trichloroethene	7.295	130	1492186	16.410	ppbv	98
39) 1,2-Dichloropropane	7.076	63	1405373	15.081	ppbv	99
40) 1,4-Dioxane	7.285	88	545340	16.521	ppbv	93
41) Tetrahydrofuran	5.555	42	1449986	16.040	ppbv	99
42) Bromodichloromethane	7.253	83	2869440	15.522	ppbv	99
43) Methyl Methacrylate	7.475	69	1439612	17.388	ppbv	99
44) 2,2,4-Trimethylpentane	7.327	57	5922866	14.828	ppbv	100
45) t-1,3-Dichloropropene	8.713	75	1469151	19.850	ppbv	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
 Data File : VL041680.D
 Acq On : 7 Nov 2024 14:12
 Operator : SY/MD
 Sample : VSTDIC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

Reviewed By : Mahesh Dadoda 11/09/2024
 Supervised By : Semsettin Yesilyurt 11/09/2024

Quant Time: Nov 08 00:13:20 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M

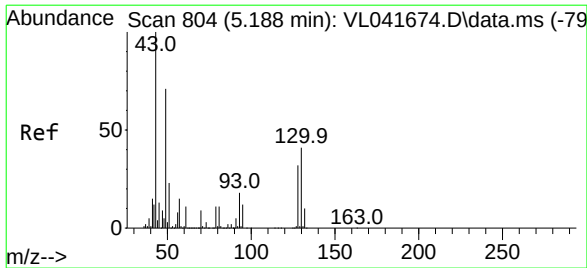
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Nov 08 00:07:44 2024

Response via : Initial Calibration

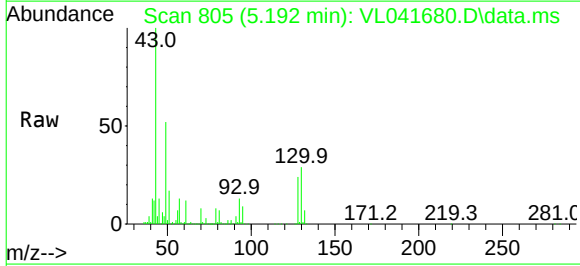
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.144	75	1964082	18.259	ppbv	98
47) 1,1,2-Trichloroethane	8.902	97	1496508	14.895	ppbv	99
48) Dibromochloromethane	9.713	129	2521147	16.444	ppbv	100
49) Bromoform	12.413	173	2265132	17.318	ppbv	99
50) 4-Methyl-2-Pentanone	8.182	43	3873850	15.919	ppbv	99
51) 2-Hexanone	9.552	43	3096656	17.512	ppbv #	99
52) Tetrachloroethene	10.616	164	1362327	16.900	ppbv	98
53) Toluene	9.224	91	4192947	16.909	ppbv	100
54) 1,2-Dibromoethane	10.012	107	2047188	17.451	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.510	131	1851127	13.588	ppbv	98
57) Chlorobenzene	11.529	112	3280487	13.453	ppbv	99
58) Ethyl Benzene	12.092	91	5635176	15.550	ppbv	98
59) m/p-Xylene	12.372	91	9532832m	29.406	ppbv	
60) o-Xylene	13.063	91	4598783	14.859	ppbv	100
61) Styrene	12.902	104	2329096	18.233	ppbv	100
62) Isopropylbenzene	14.031	105	6769619	14.169	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.050	83	3217179	14.277	ppbv	100
64) n-propylbenzene	14.918	120	1875181	15.010	ppbv	95
65) tert-Butylbenzene	16.095	119	6075642	14.149	ppbv	100
66) Benzyl Chloride	16.333	91	602019	19.466	ppbv	99
67) sec-Butylbenzene	16.638	105	8477471	14.008	ppbv	99
69) p-Isopropyltoluene	16.999	119	7127872	14.562	ppbv	99
70) n-Butylbenzene	17.889	91	7337569	14.625	ppbv	98
71) 2-Chlorotoluene	14.806	91	5195848	15.038	ppbv	99
72) 4-Ethyltoluene	15.198	105	5625512	15.652	ppbv	99
73) 1,3,5-Trimethylbenzene	15.355	105	4772611	15.144	ppbv	99
74) 1,2,4-Trimethylbenzene	16.114	105	5199497	14.183	ppbv	95
75) 1,3-Dichlorobenzene	16.336	146	3296952	14.559	ppbv	100
76) 1,4-Dichlorobenzene	16.478	146	3204404	14.402	ppbv	100
77) 1,2-Dichlorobenzene	17.150	146	3223835	14.336	ppbv	100
78) Hexachloro-1,3-Butadiene	22.638	225	2162938	12.158	ppbv	99
79) Naphthalene	21.391	128	4363777	19.355	ppbv	99
80) Naphthalene,2-methyl-	24.374	142	967466m	23.129	ppbv	
81) 1,2,4-Trichlorobenzene	21.146	180	2238509	15.962	ppbv	100

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. 0.004 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

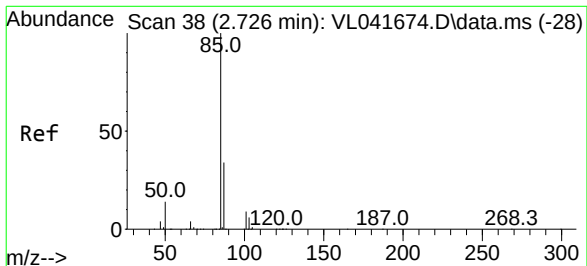
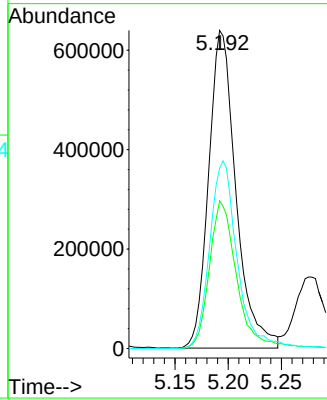
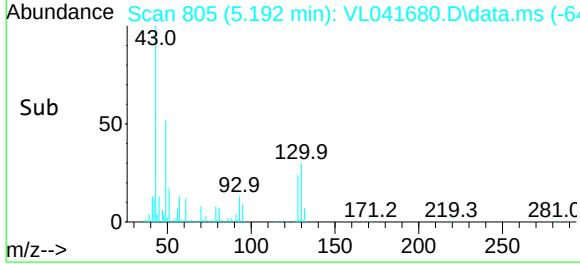
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 49 Resp: 1139788
Ion Ratio Lower Upper
49 100
128 47.2 23.8 71.2
130 60.9 30.1 90.5

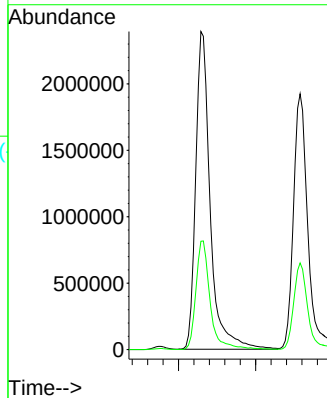
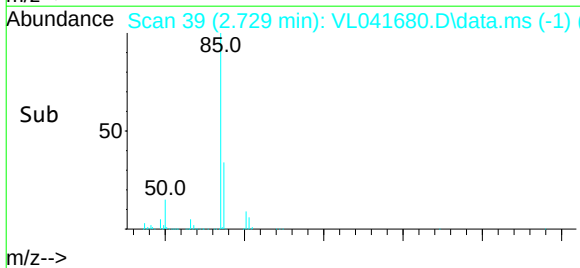
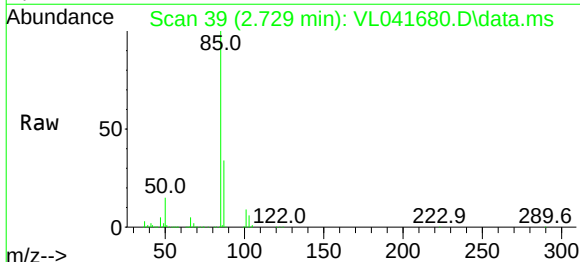
Manual Integrations
APPROVED

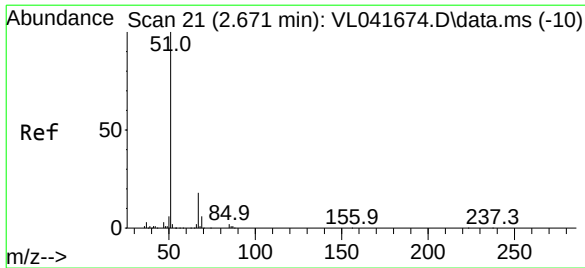
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#2
Dichlorodifluoromethane
Concen: 15.140 ppbv
RT: 2.729 min Scan# 39
Delta R.T. 0.003 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

Tgt Ion: 85 Resp: 3118931
Ion Ratio Lower Upper
85 100
87 34.1 26.8 40.2





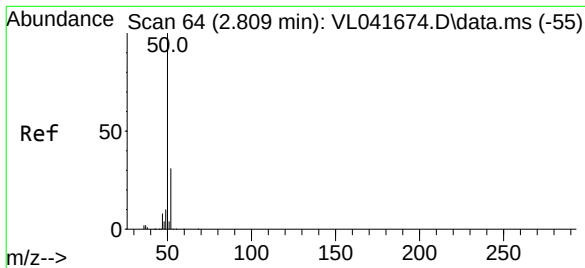
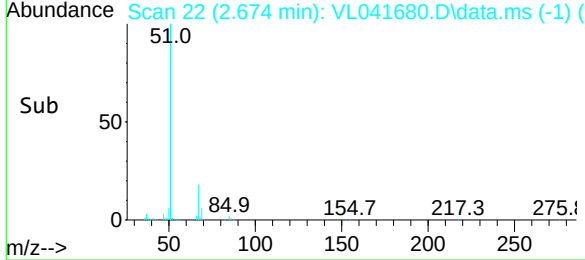
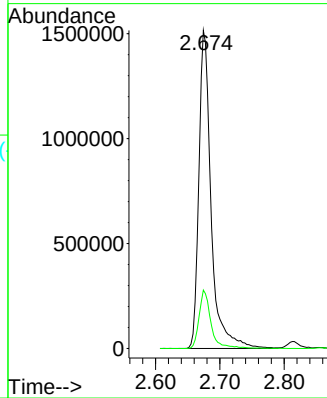
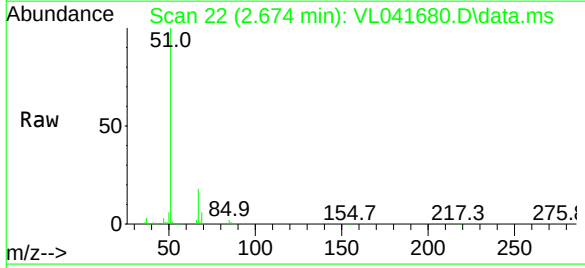
#3
Chlorodifluoromethane
Concen: 13.489 ppbv
RT: 2.674 min Scan# 22
Delta R.T. 0.003 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 51 Resp: 2003229
Ion Ratio Lower Upper
51 100
67 18.0 13.9 20.9

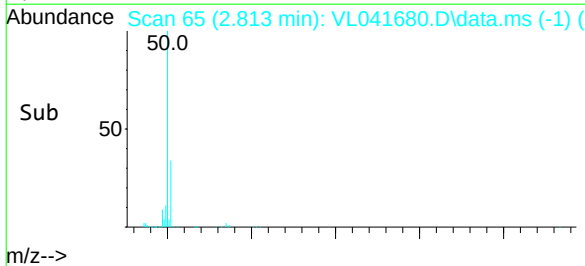
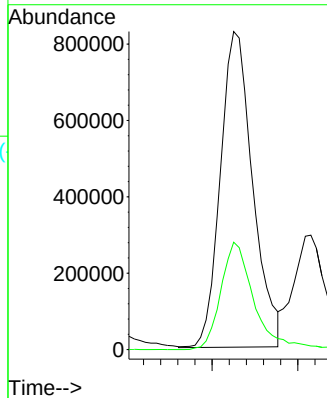
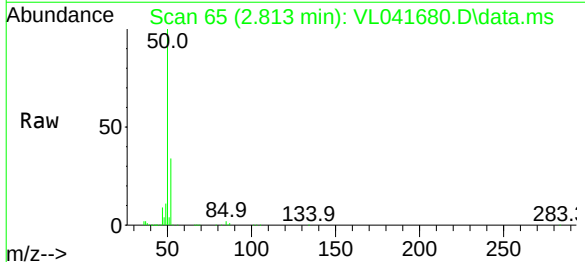
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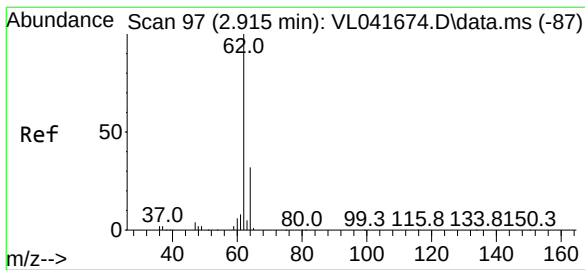
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#4
Chloromethane
Concen: 13.801 ppbv
RT: 2.813 min Scan# 65
Delta R.T. 0.003 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

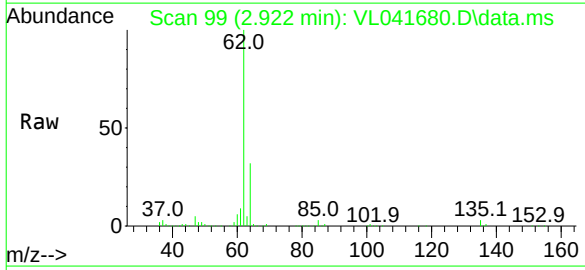
Tgt Ion: 50 Resp: 1085629
Ion Ratio Lower Upper
50 100
52 34.1 24.9 37.3





#5
Vinyl Chloride
Concen: 14.900 ppbv
RT: 2.922 min Scan# 99
Delta R.T. 0.007 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

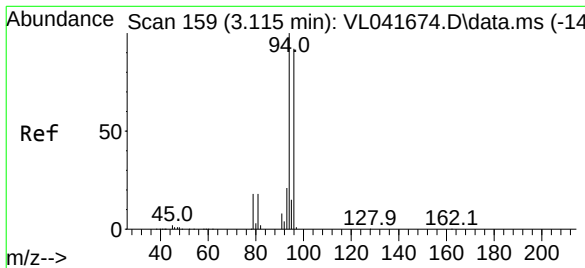
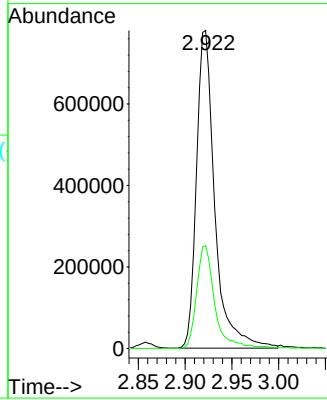
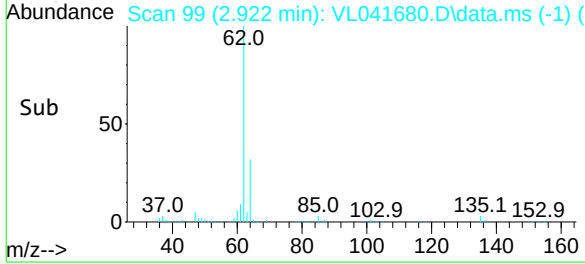
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



Tgt Ion: 62 Resp: 1061943
Ion Ratio Lower Upper
62 100
64 32.4 25.4 38.2

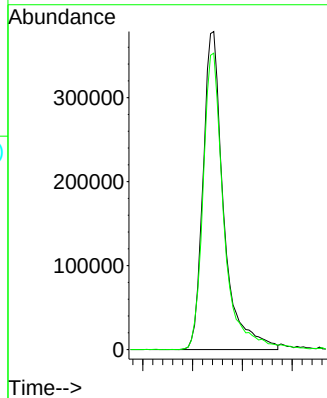
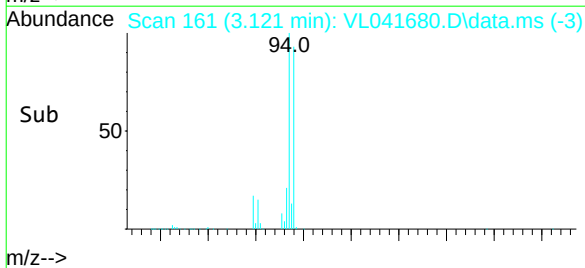
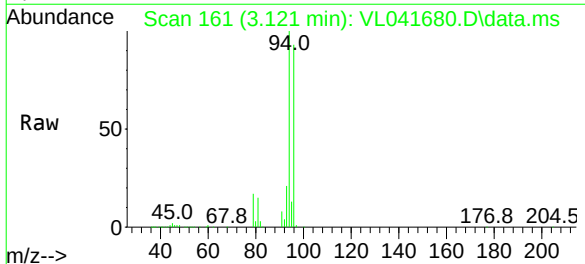
Manual Integrations
APPROVED

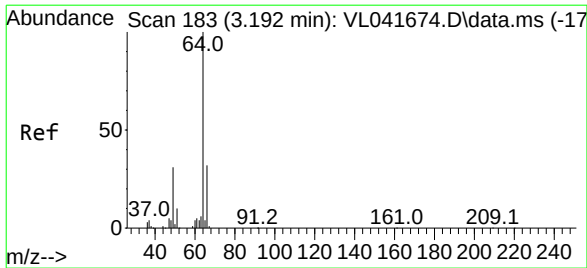
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#6
Bromomethane
Concen: 14.489 ppbv
RT: 3.121 min Scan# 161
Delta R.T. 0.007 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

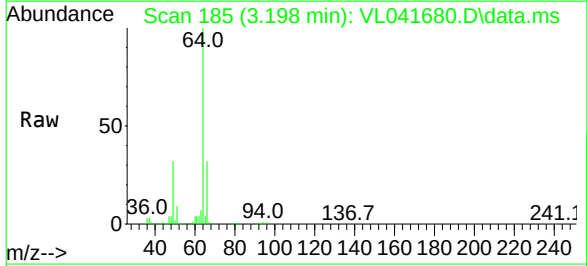
Tgt Ion: 94 Resp: 543873
Ion Ratio Lower Upper
94 100
96 93.2 73.4 110.2





#7
Chloroethane
Concen: 14.487 ppbv
RT: 3.198 min Scan# 18
Delta R.T. 0.007 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

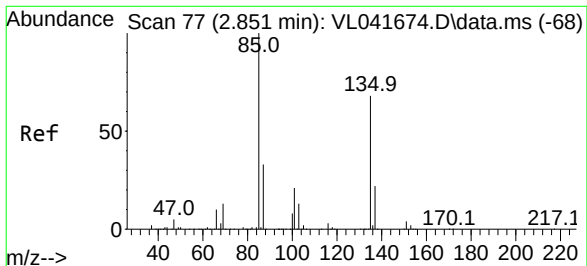
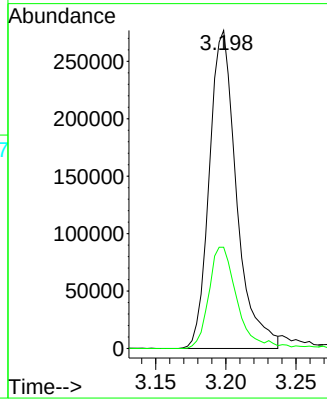
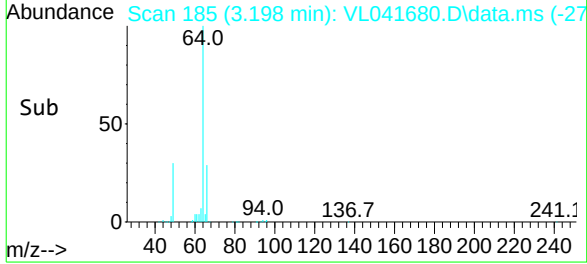
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



Tgt Ion: 64 Resp: 374124
Ion Ratio Lower Upper
64 100
66 31.8 25.9 38.9

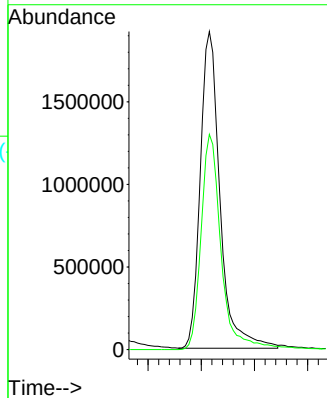
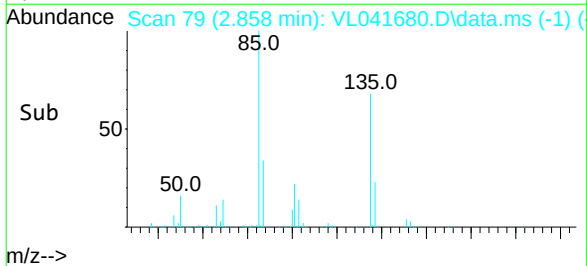
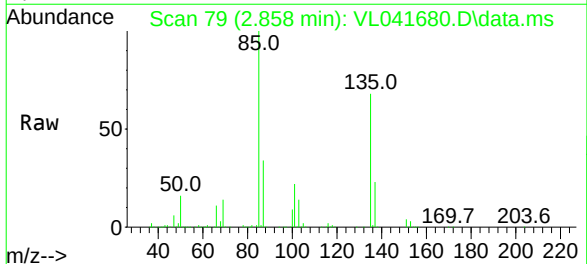
Manual Integrations
APPROVED

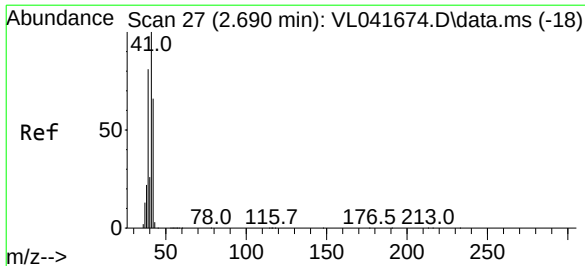
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#8
Dichlorotetrafluoroethane
Concen: 13.440 ppbv
RT: 2.858 min Scan# 79
Delta R.T. 0.007 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

Tgt Ion: 85 Resp: 2471590
Ion Ratio Lower Upper
85 100
135 69.7 55.5 83.3





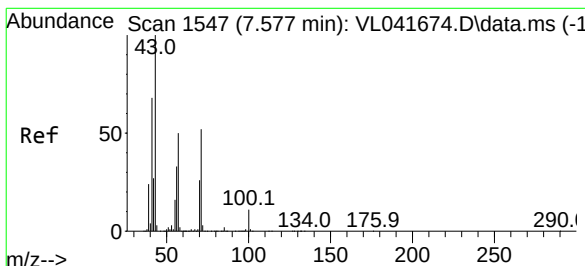
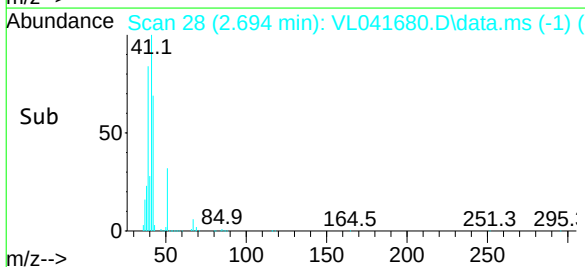
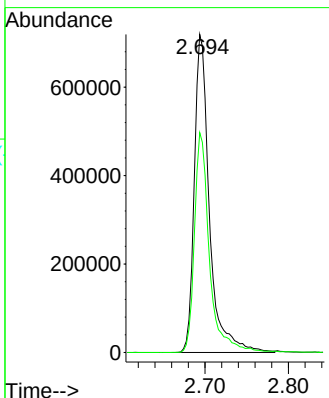
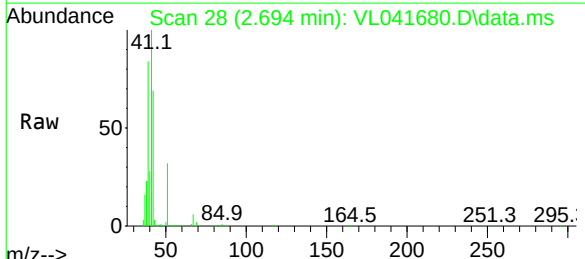
#9
Propene
Concen: 14.010 ppbv
RT: 2.694 min Scan# 28
Delta R.T. 0.003 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 41 Resp: 906594
Ion Ratio Lower Upper
41 100
42 69.2 55.0 82.4

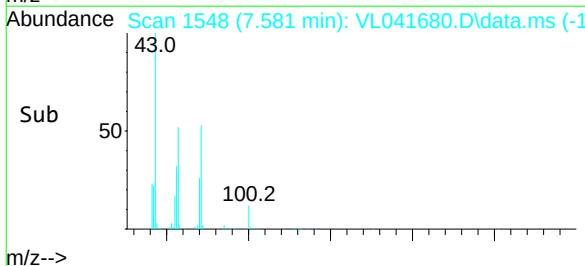
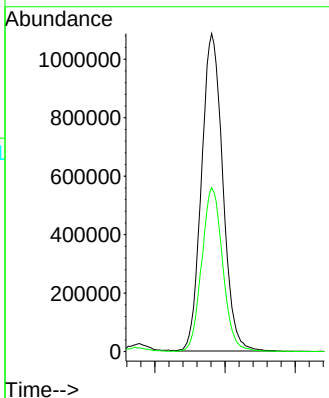
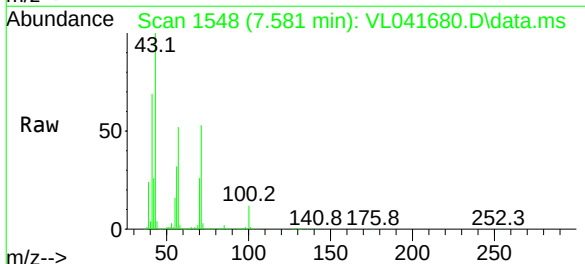
Manual Integrations
APPROVED

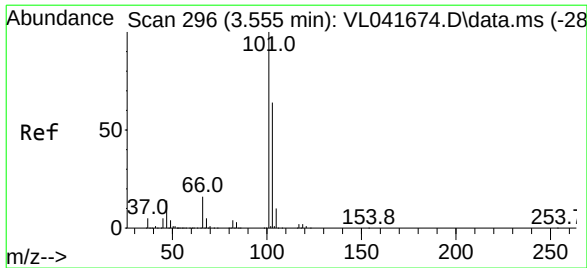
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#10
Heptane
Concen: 15.754 ppbv
RT: 7.581 min Scan# 1548
Delta R.T. 0.003 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

Tgt Ion: 43 Resp: 2284371
Ion Ratio Lower Upper
43 100
57 51.0 40.0 60.0





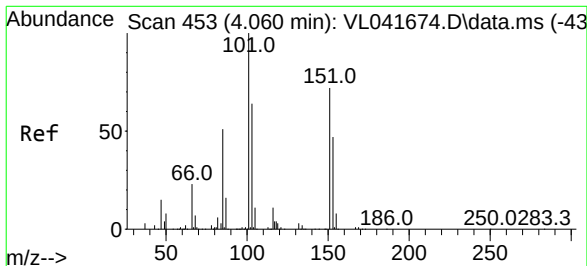
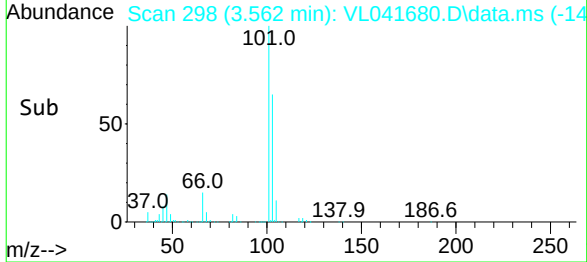
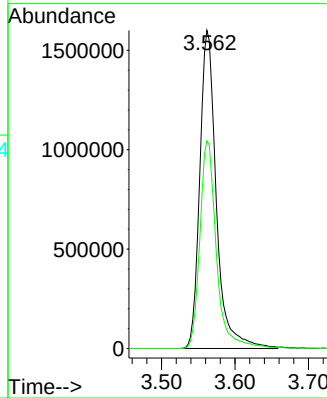
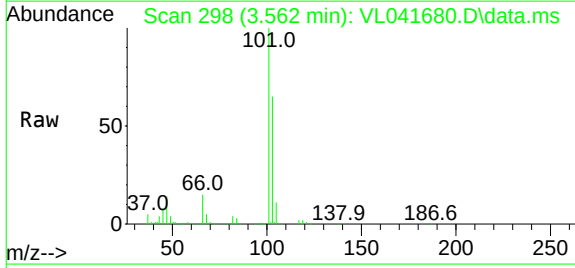
#11
Trichlorofluoromethane
Concen: 13.958 ppbv
RT: 3.562 min Scan# 296
Delta R.T. 0.007 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion:101 Resp: 2504580
Ion Ratio Lower Upper
101 100
103 65.2 51.0 76.6

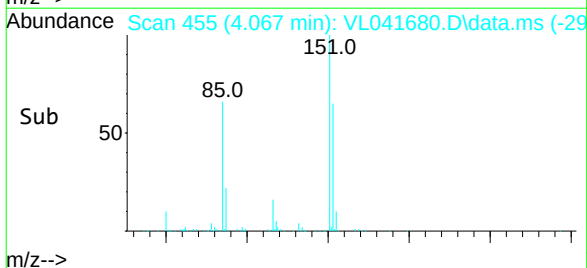
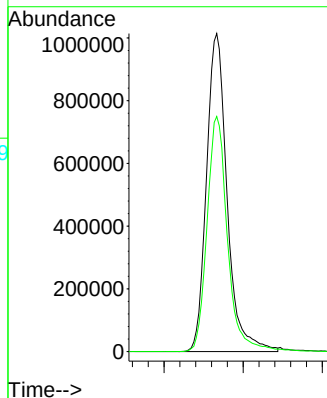
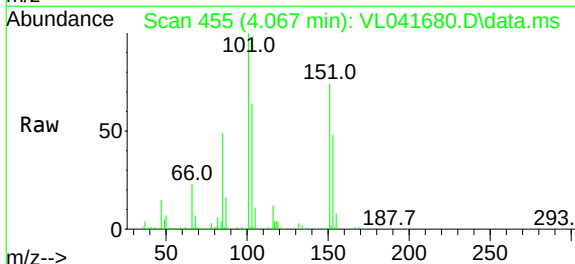
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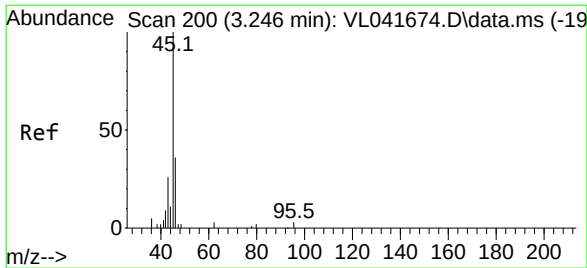
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#12
1,1,2-Trichlorotrifluoroethane
Concen: 14.068 ppbv
RT: 4.067 min Scan# 455
Delta R.T. 0.007 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

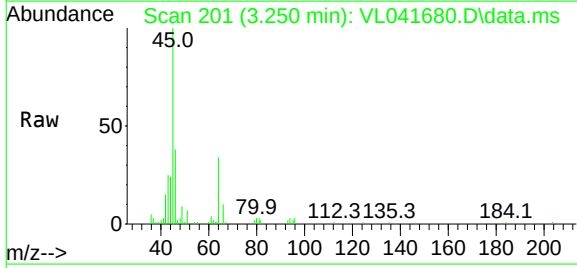
Tgt Ion:101 Resp: 1834846
Ion Ratio Lower Upper
101 100
151 73.7 59.1 88.7





#13
Ethanol
Concen: 12.664 ppbv m
RT: 3.250 min Scan# 20
Delta R.T. 0.003 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

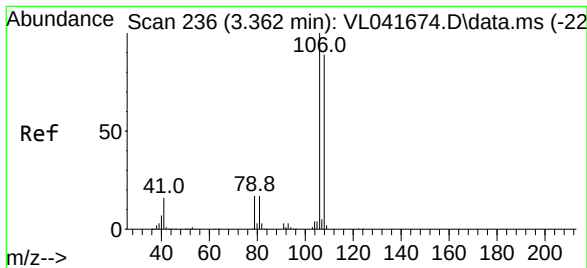
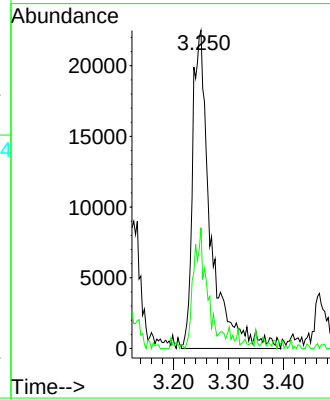
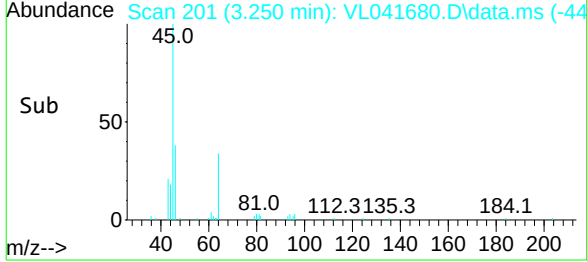
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



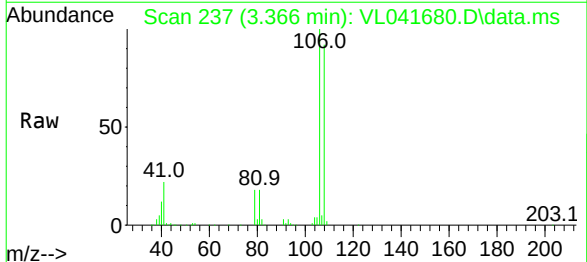
Tgt Ion: 45 Resp: 50975
Ion Ratio Lower Upper
45 100
46 30.2 13.8 55.2

Manual Integrations
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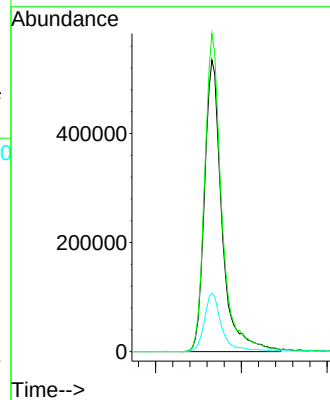
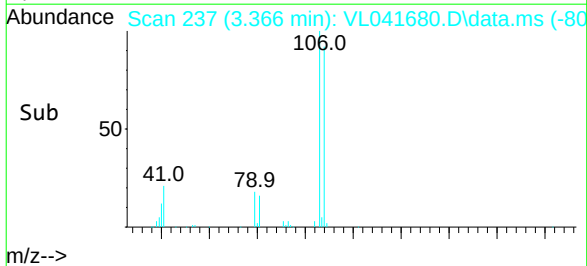
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024

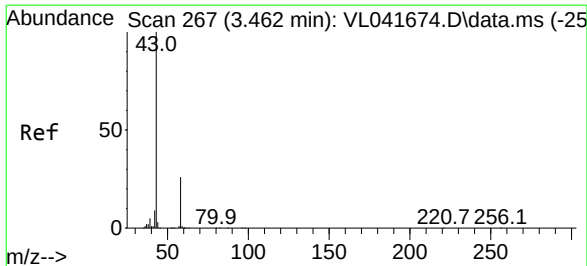


#14
Bromoethene
Concen: 14.401 ppbv
RT: 3.366 min Scan# 237
Delta R.T. 0.003 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12



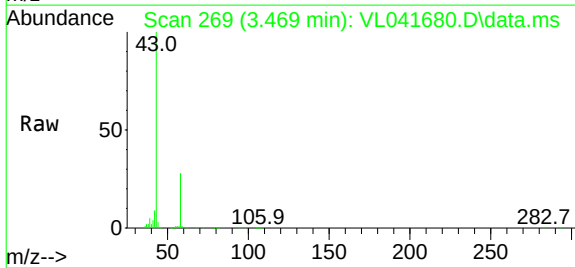
Tgt Ion:108 Resp: 755053
Ion Ratio Lower Upper
108 100
106 108.4 88.6 133.0
79 20.3 15.6 23.4





#15
Acetone
Concen: 13.448 ppbv
RT: 3.469 min Scan# 267
Delta R.T. 0.007 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

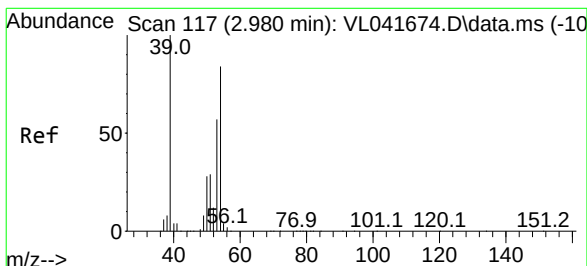
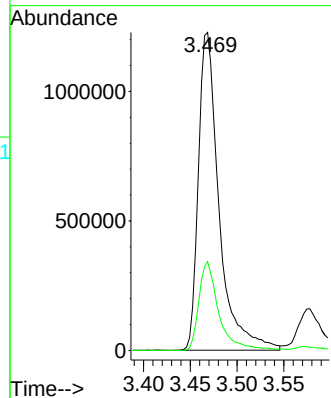
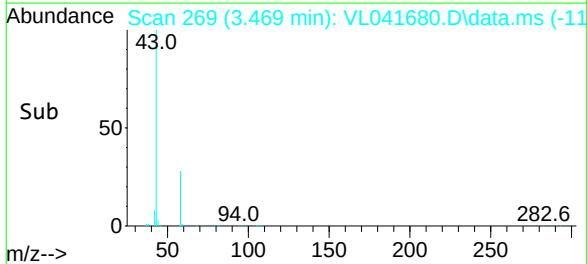
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



Tgt Ion: 43 Resp: 1886393
Ion Ratio Lower Upper
43 100
58 27.1 21.4 32.0

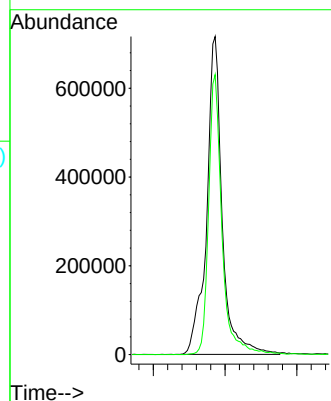
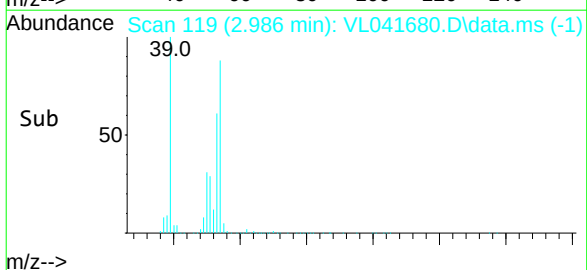
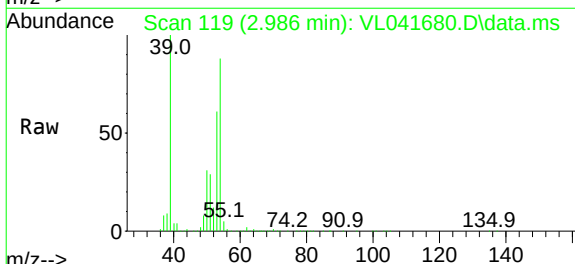
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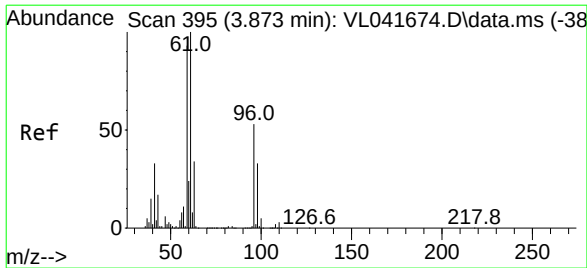
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#16
1,3-Butadiene
Concen: 15.371 ppbv
RT: 2.986 min Scan# 119
Delta R.T. 0.007 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

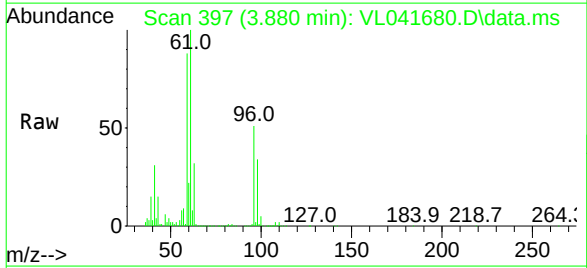
Tgt Ion: 39 Resp: 1081107
Ion Ratio Lower Upper
39 100
54 75.5 61.3 91.9





#17
tert-Butyl alcohol
Concen: 13.516 ppbv
RT: 3.880 min Scan# 397
Delta R.T. 0.007 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

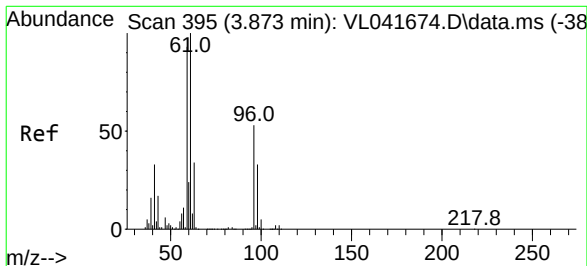
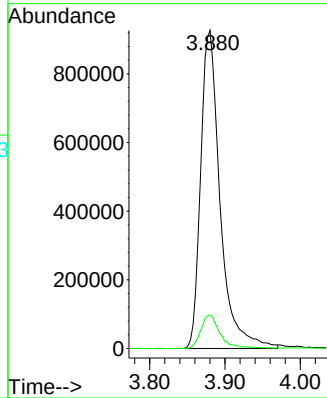
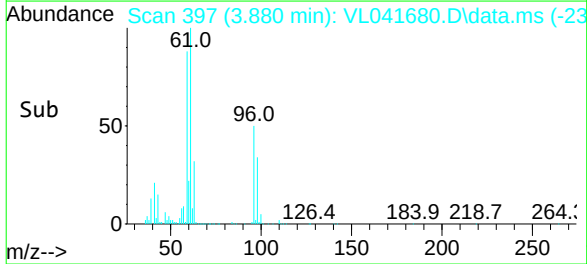
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



Tgt Ion: 59 Resp: 1663672
Ion Ratio Lower Upper
59 100
57 10.5 8.5 12.7

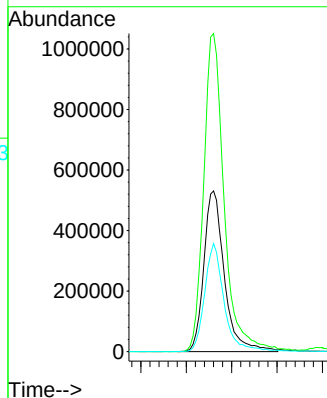
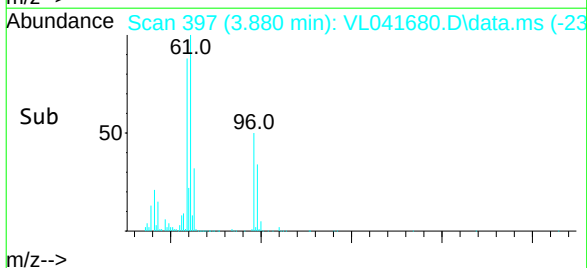
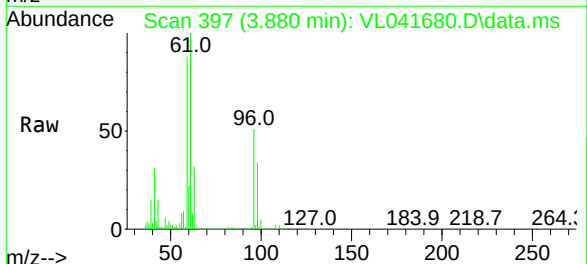
Manual Integrations
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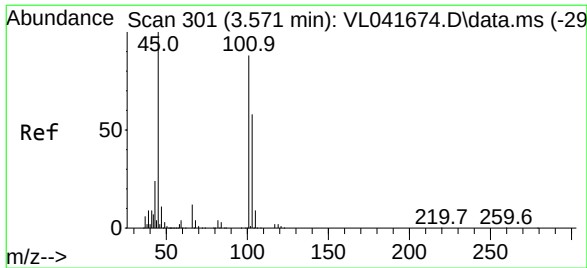
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#18
1,1-Dichloroethene
Concen: 14.596 ppbv
RT: 3.880 min Scan# 397
Delta R.T. 0.007 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

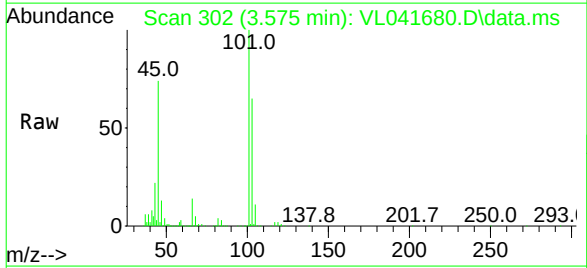
Tgt Ion: 96 Resp: 834933
Ion Ratio Lower Upper
96 100
61 198.0 150.7 226.1
98 67.2 49.4 74.2





#19
Isopropyl Alcohol
Concen: 13.406 ppbv
RT: 3.575 min Scan# 301
Delta R.T. 0.003 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

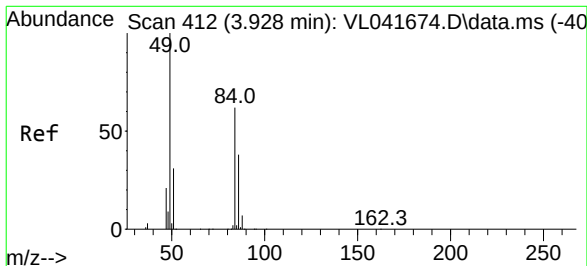
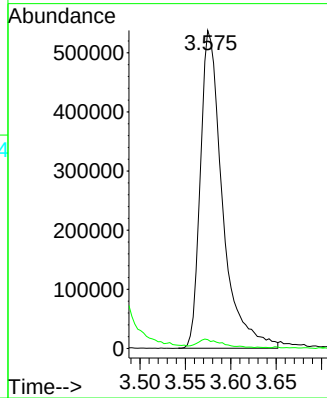
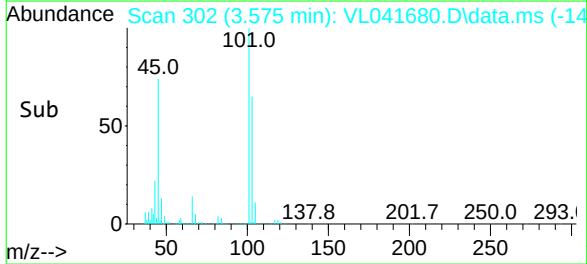
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 45 Resp: 910280
Ion Ratio Lower Upper
45 100
58 3.1 2.5 3.7

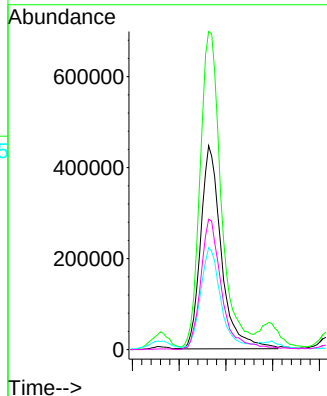
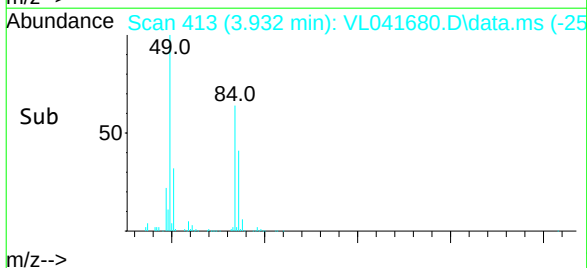
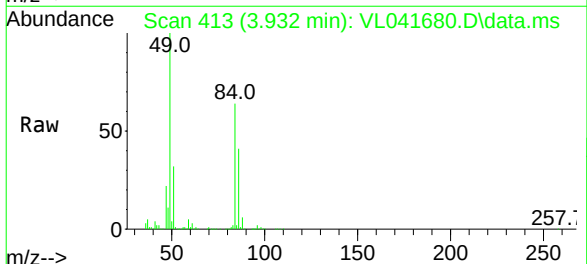
Manual Integrations
APPROVED

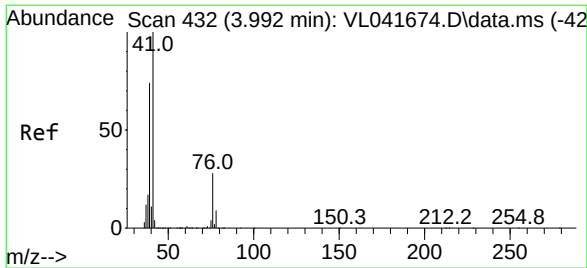
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#20
Methylene Chloride
Concen: 13.313 ppbv
RT: 3.932 min Scan# 413
Delta R.T. 0.003 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

Tgt Ion: 84 Resp: 687212
Ion Ratio Lower Upper
84 100
49 155.1 129.7 194.5
51 48.9 39.8 59.6
86 64.1 49.1 73.7





#21
 Allyl Chloride
 Concen: 15.194 ppbv
 RT: 3.996 min Scan# 432
 Delta R.T. 0.003 min
 Lab File: VL041680.D
 Acq: 7 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

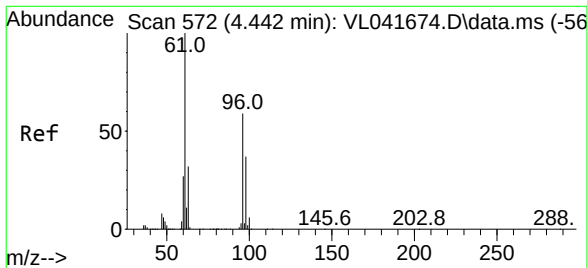
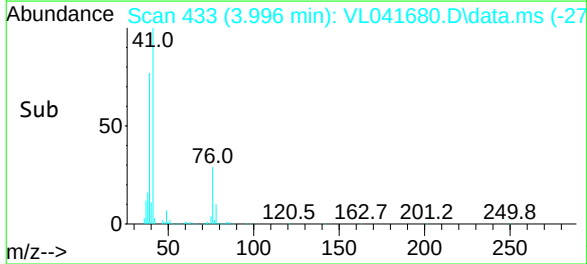
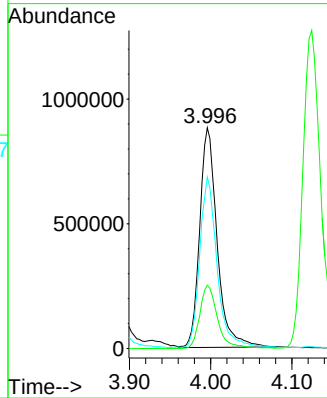
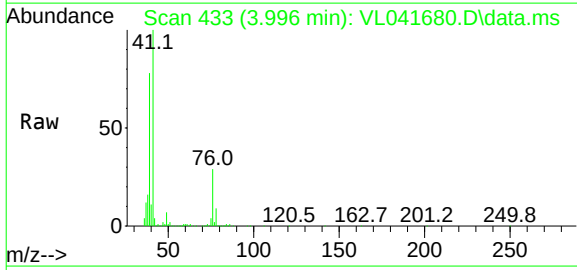
VSTDIC015

Tgt Ion: 41 Resp: 1317025
 Ion Ratio Lower Upper
 41 100
 76 29.3 23.5 35.3
 39 77.7 63.0 94.4

Manual Integrations

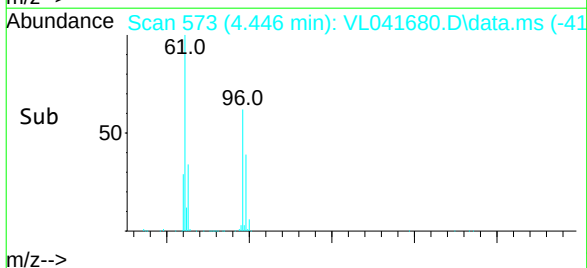
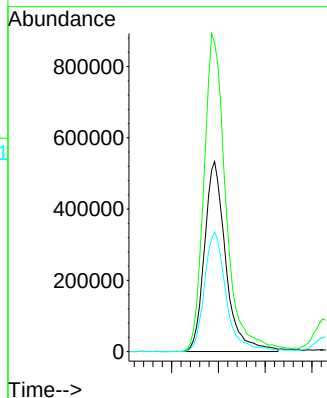
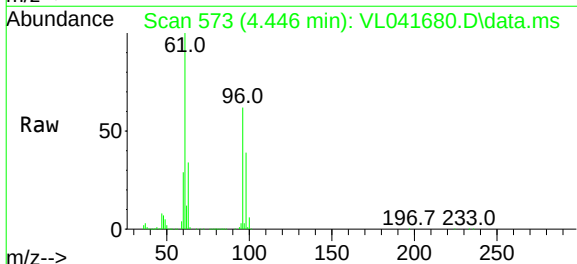
APPROVED

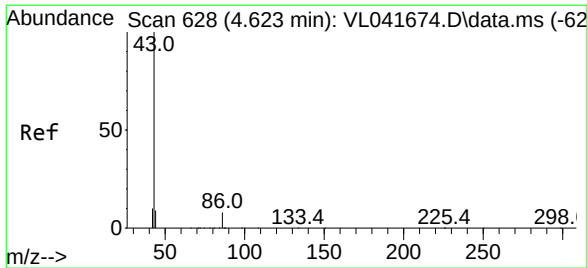
Reviewed By :Mahesh Dadoda 11/09/2024
 Supervised By :Semsettin Yesilyurt 11/09/2024



#22
 trans-1,2-Dichloroethene
 Concen: 14.755 ppbv
 RT: 4.446 min Scan# 573
 Delta R.T. 0.003 min
 Lab File: VL041680.D
 Acq: 7 Nov 2024 14:12

Tgt Ion: 96 Resp: 842095
 Ion Ratio Lower Upper
 96 100
 61 162.3 134.5 201.7
 98 62.9 49.6 74.4





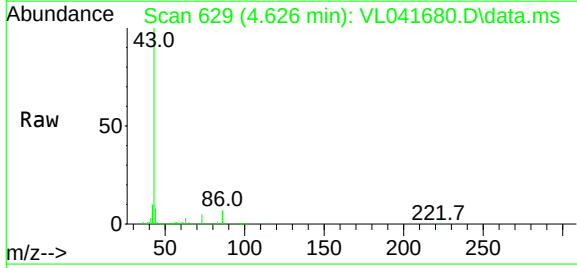
#23
 Vinyl Acetate
 Concen: 14.047 ppbv
 RT: 4.626 min Scan# 62
 Delta R.T. 0.003 min
 Lab File: VL041680.D
 Acq: 7 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

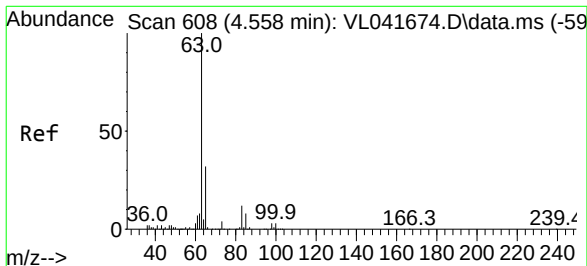
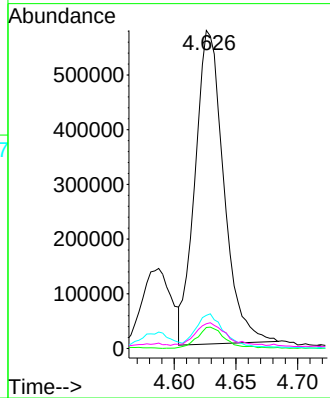
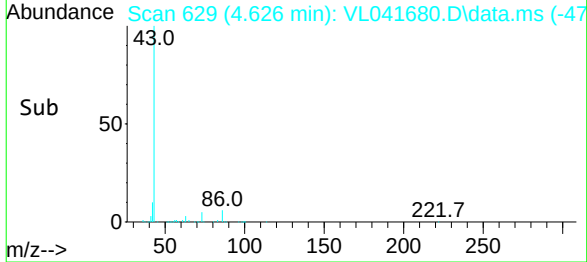


Tgt Ion: 43 Resp: 926796
 Ion Ratio Lower Upper
 43 100
 86 6.4 5.3 7.9
 42 10.1 8.5 12.7
 44 6.9 6.7 10.1

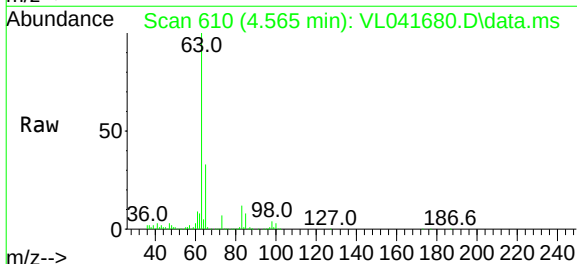
Manual Integrations

APPROVED

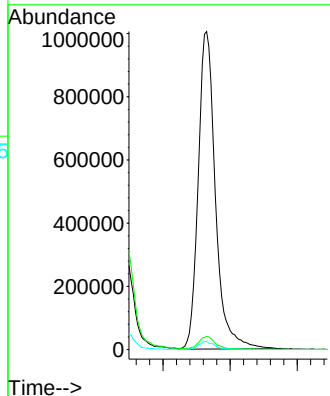
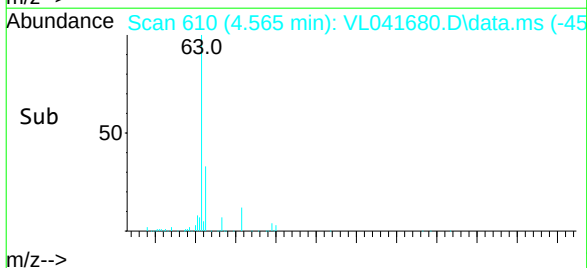
Reviewed By :Mahesh Dadoda 11/09/2024
 Supervised By :Semsettin Yesilyurt 11/09/2024

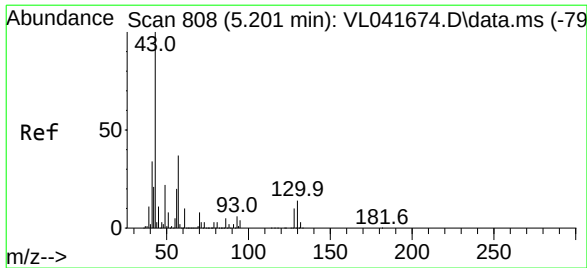


#24
 1,1-Dichloroethane
 Concen: 14.103 ppbv
 RT: 4.565 min Scan# 610
 Delta R.T. 0.007 min
 Lab File: VL041680.D
 Acq: 7 Nov 2024 14:12



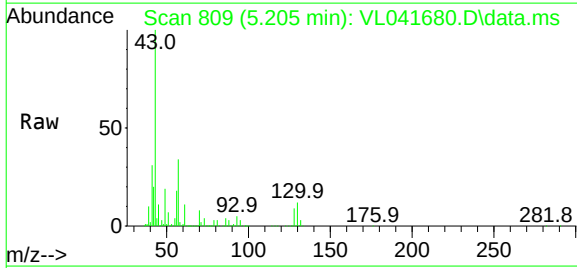
Tgt Ion: 63 Resp: 1790354
 Ion Ratio Lower Upper
 63 100
 98 4.1 1.8 5.4
 100 2.6 1.4 4.2





#25
Ethyl Acetate
Concen: 14.583 ppbv
RT: 5.205 min Scan# 80
Delta R.T. 0.003 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

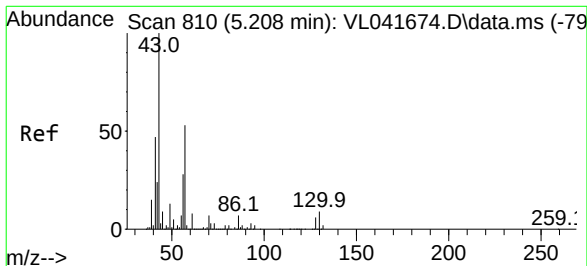
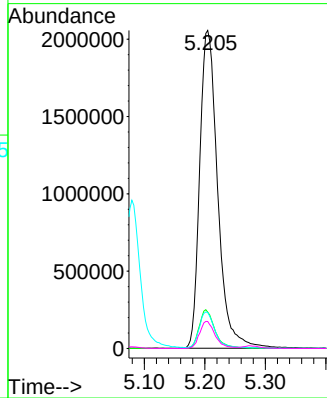
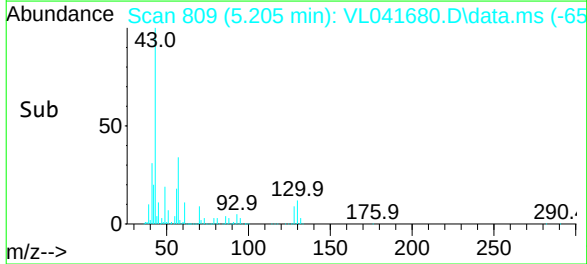
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



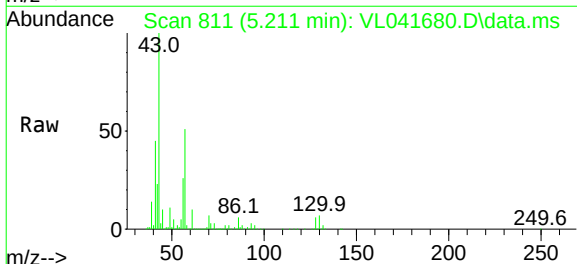
Tgt Ion: 43 Resp: 4234322
Ion Ratio Lower Upper
43 100
45 10.9 8.6 13.0
61 10.4 8.4 12.6
70 7.5 5.8 8.6

Manual Integrations
APPROVED

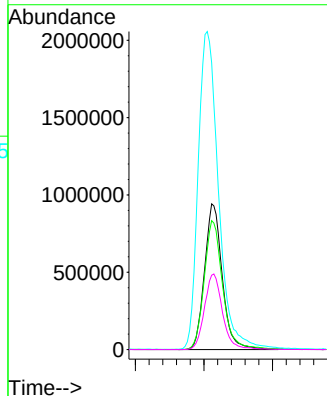
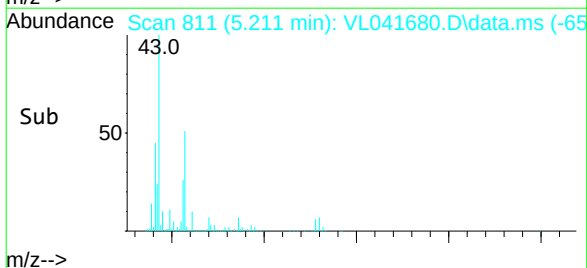
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024

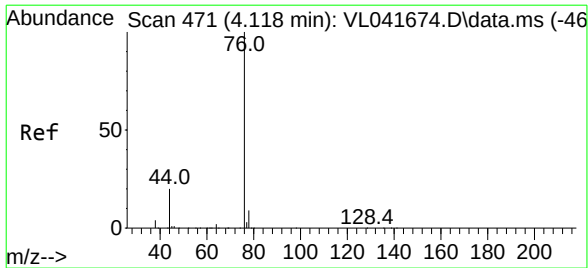


#26
Hexane
Concen: 15.184 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.003 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12



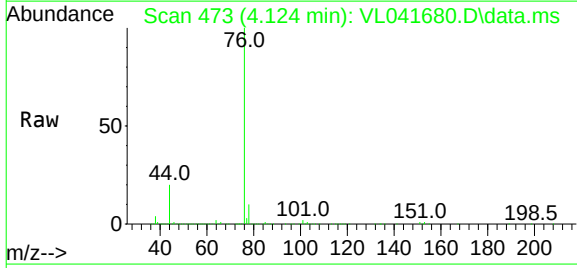
Tgt Ion: 57 Resp: 1693823
Ion Ratio Lower Upper
57 100
41 92.5 76.1 114.1
43 250.9 207.0 310.6
56 53.1 43.7 65.5





#27
Carbon Disulfide
Concen: 16.531 ppbv
RT: 4.124 min Scan# 471
Delta R.T. 0.007 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

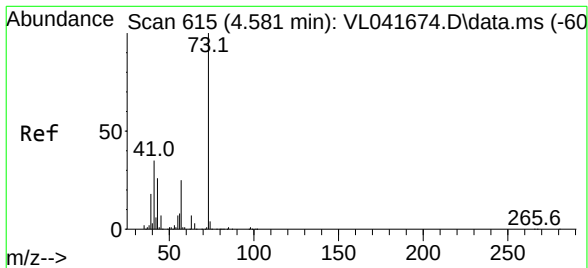
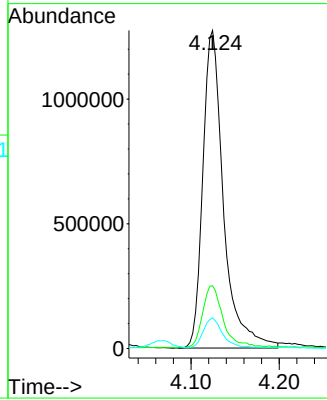
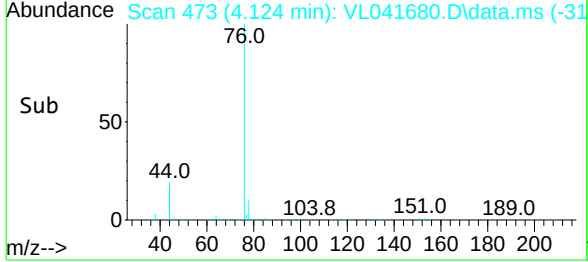
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 76 Resp: 2071779
Ion Ratio Lower Upper
76 100
44 20.4 15.8 23.8
78 9.5 7.5 11.3

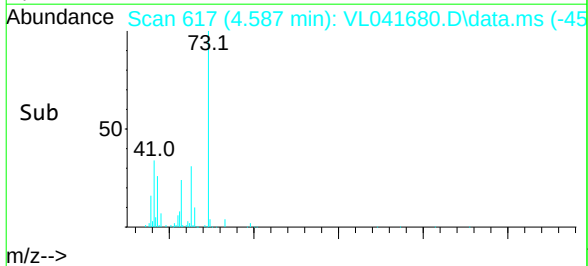
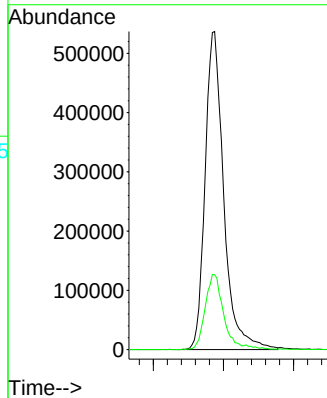
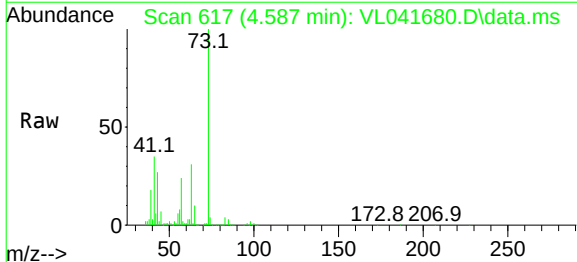
Manual Integrations
APPROVED

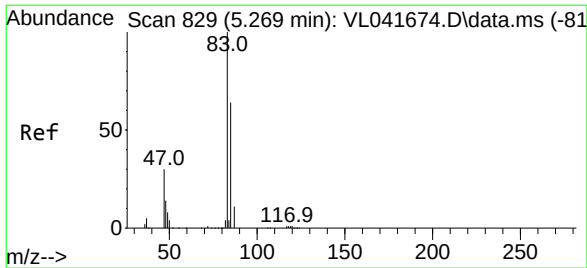
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#28
Methyl tert-Butyl Ether
Concen: 13.764 ppbv
RT: 4.587 min Scan# 617
Delta R.T. 0.007 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

Tgt Ion: 73 Resp: 988726
Ion Ratio Lower Upper
73 100
57 23.9 19.6 29.4





#29

Chloroform

Concen: 14.204 ppbv

RT: 5.276 min Scan# 83

Delta R.T. 0.007 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion: 83 Resp: 2615593

Ion Ratio Lower Upper

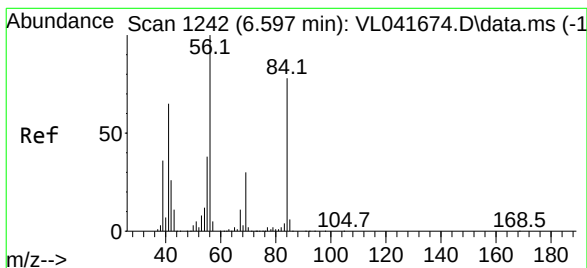
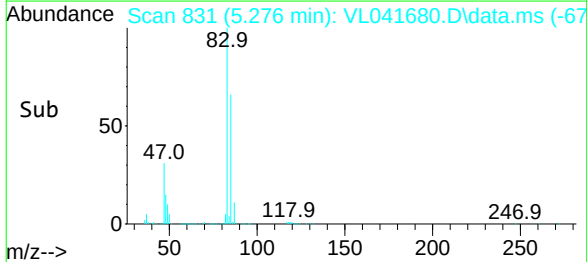
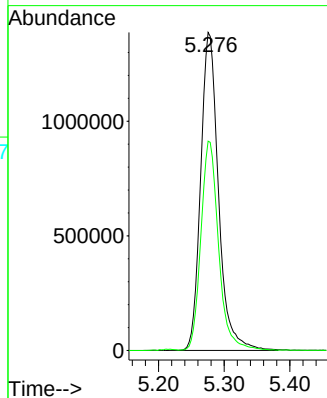
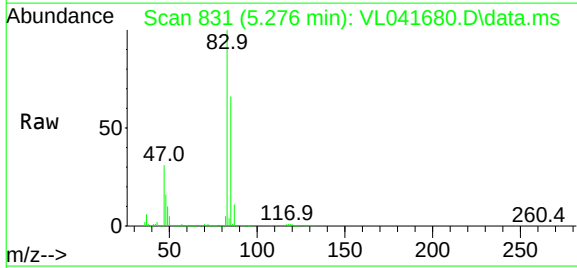
83 100

85 65.7 51.1 76.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#30

Cyclohexane

Concen: 16.132 ppbv

RT: 6.600 min Scan# 1243

Delta R.T. 0.003 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

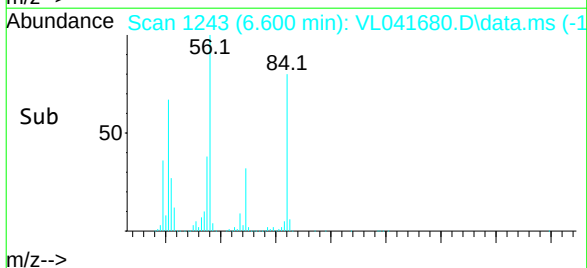
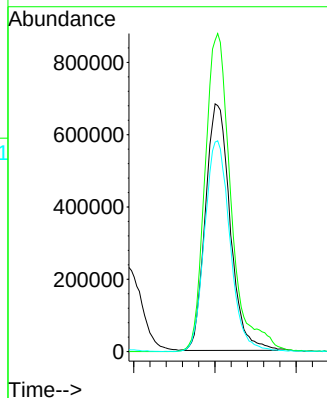
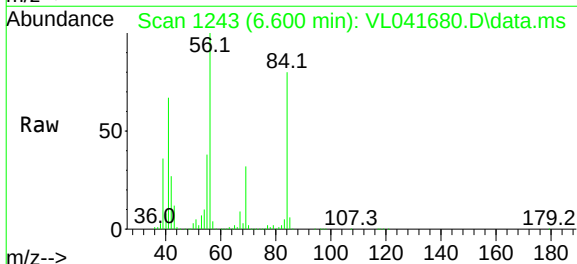
Tgt Ion: 84 Resp: 1445757

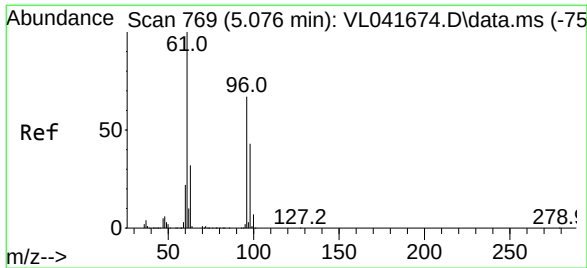
Ion Ratio Lower Upper

84 100

56 135.8 110.8 166.2

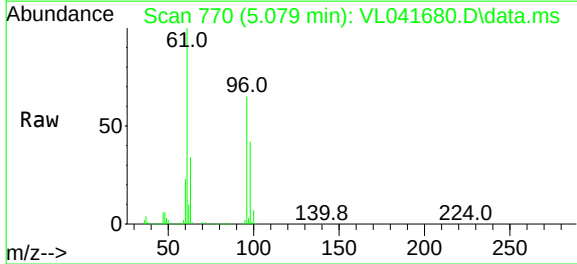
41 87.5 70.0 105.0





#31
cis-1,2-Dichloroethene
Concen: 15.426 ppbv
RT: 5.079 min Scan# 77
Delta R.T. 0.003 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

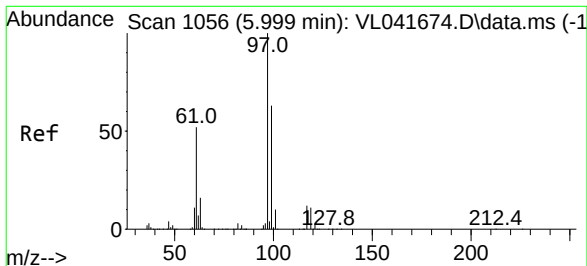
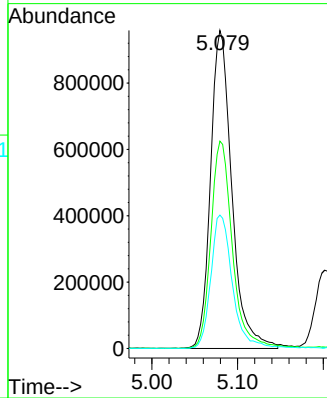
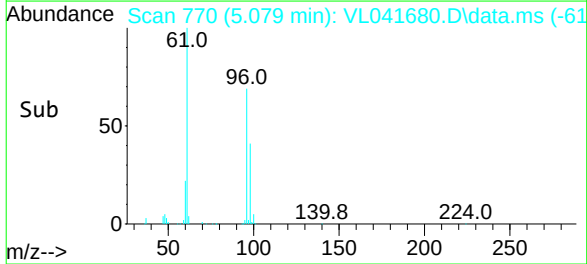
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



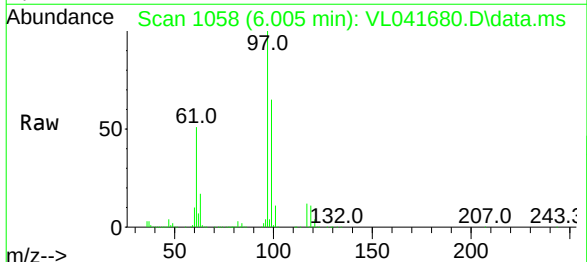
Tgt Ion: 61 Resp: 1655410
Ion Ratio Lower Upper
61 100
96 65.1 53.4 80.2
98 41.9 34.0 51.0

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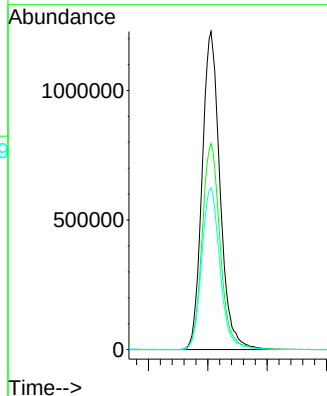
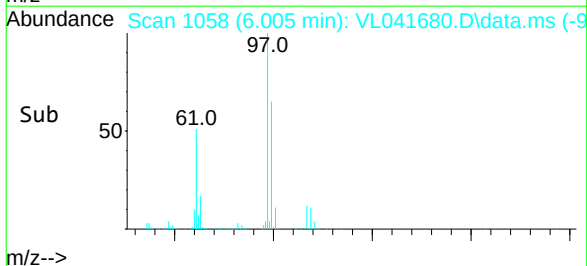
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024

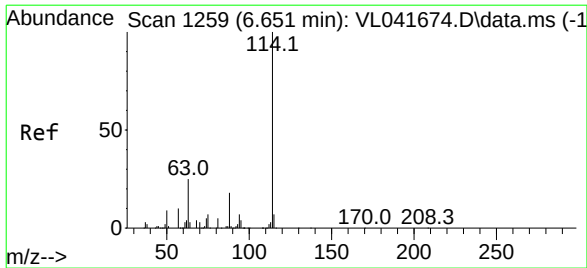


#32
1,1,1-Trichloroethane
Concen: 15.262 ppbv
RT: 6.005 min Scan# 1058
Delta R.T. 0.007 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12



Tgt Ion: 97 Resp: 2576420
Ion Ratio Lower Upper
97 100
99 65.0 51.4 77.2
61 51.8 41.7 62.5





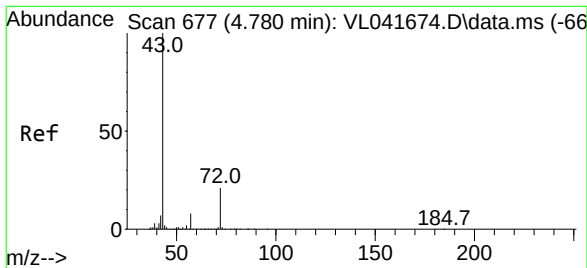
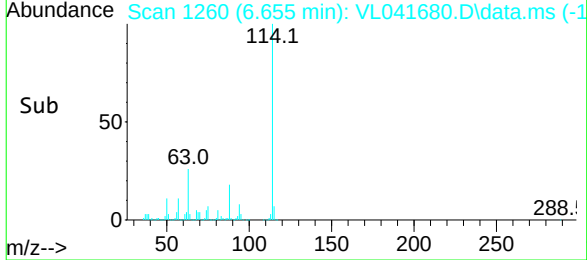
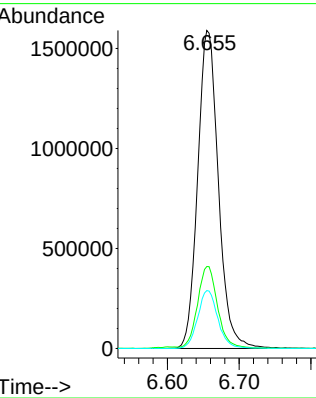
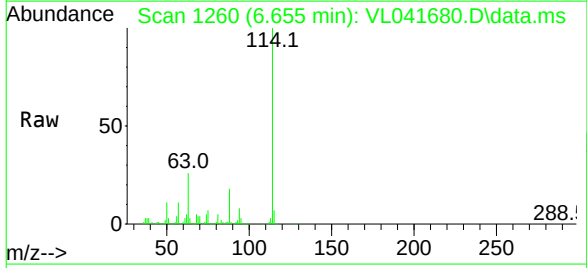
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.655 min Scan# 1259
Delta R.T. 0.003 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 114 Resp: 3182548
Ion Ratio Lower Upper
114 100
63 25.7 20.3 30.5
88 17.9 14.2 21.4

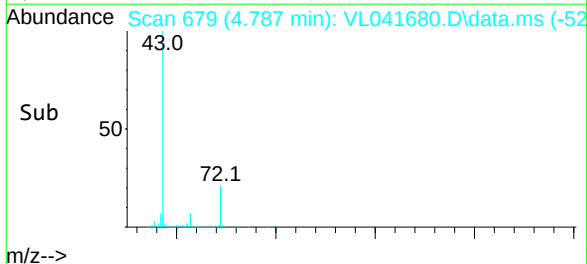
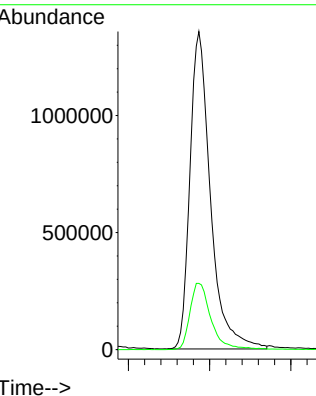
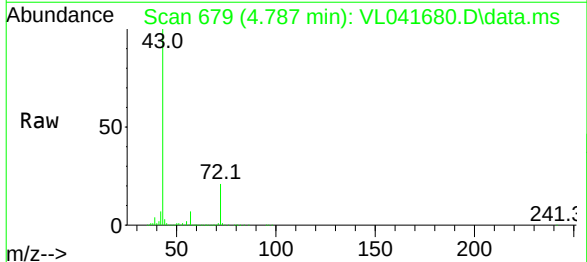
Manual Integrations
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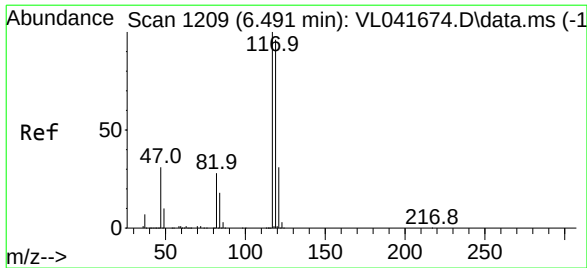
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#34
2-Butanone
Concen: 15.033 ppbv
RT: 4.787 min Scan# 679
Delta R.T. 0.007 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

Tgt Ion: 43 Resp: 2382292
Ion Ratio Lower Upper
43 100
72 21.6 17.4 26.0





#35

Carbon Tetrachloride

Concen: 16.220 ppbv

RT: 6.497 min Scan# 12

Delta R.T. 0.007 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion:117 Resp: 2728914

Ion Ratio Lower Upper

117 100

119 94.5 77.2 115.8

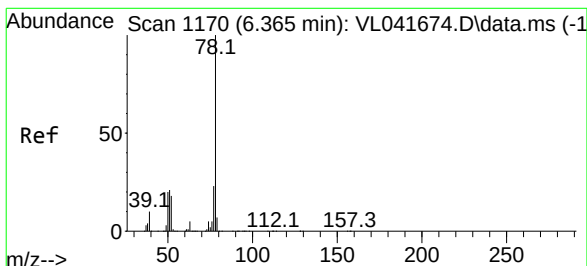
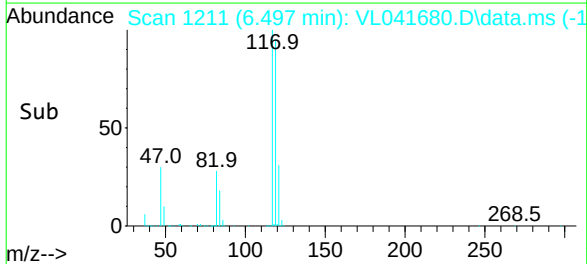
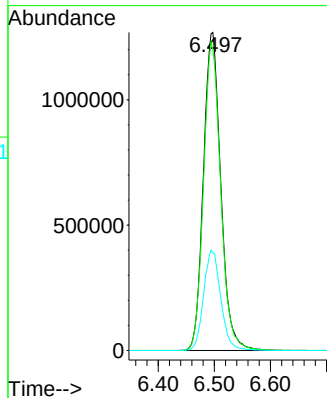
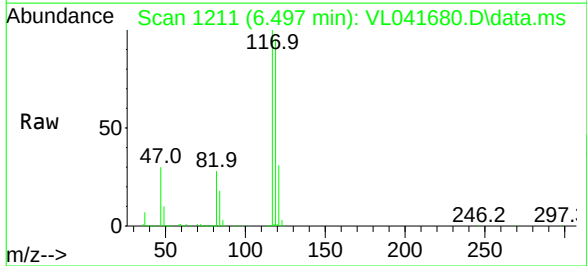
121 30.7 25.0 37.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024

Supervised By :Semsettin Yesilyurt 11/09/2024



#36

Benzene

Concen: 15.182 ppbv

RT: 6.372 min Scan# 1172

Delta R.T. 0.007 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

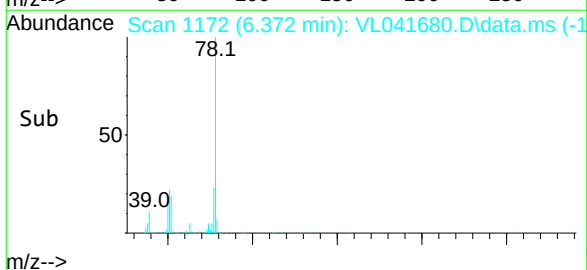
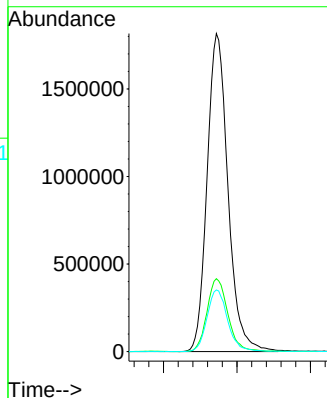
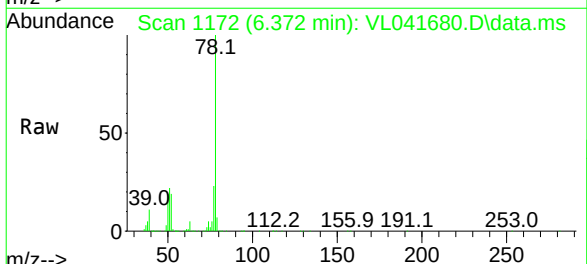
Tgt Ion: 78 Resp: 3579956

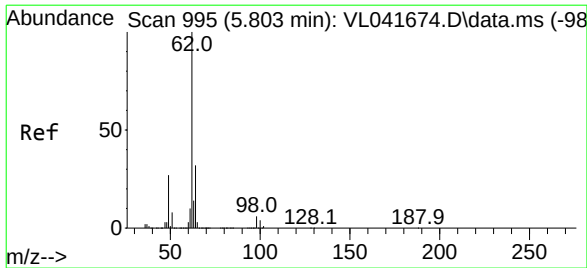
Ion Ratio Lower Upper

78 100

77 22.9 18.5 27.7

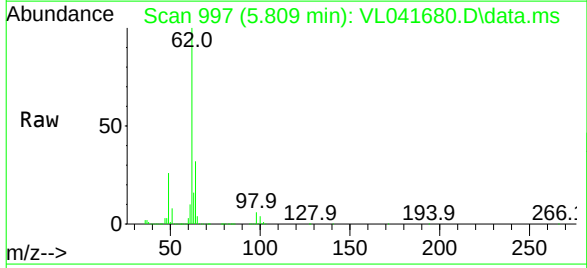
50 19.4 15.6 23.4





#37
1,2-Dichloroethane
Concen: 14.978 ppbv
RT: 5.809 min Scan# 995
Delta R.T. 0.007 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

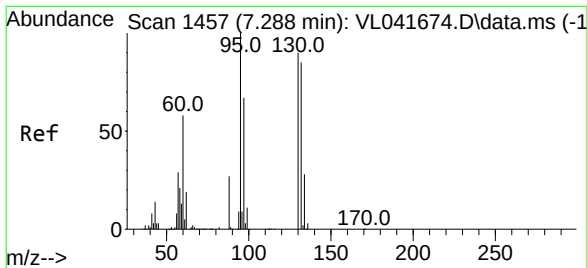
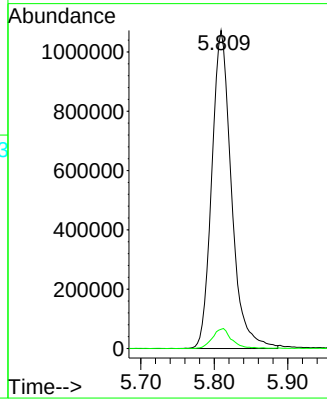
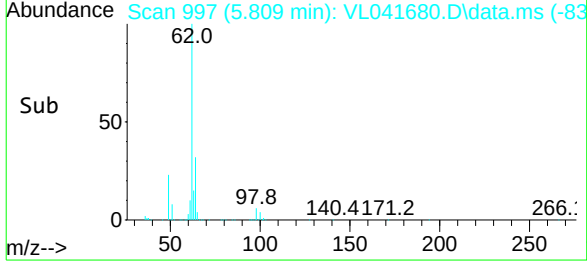
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



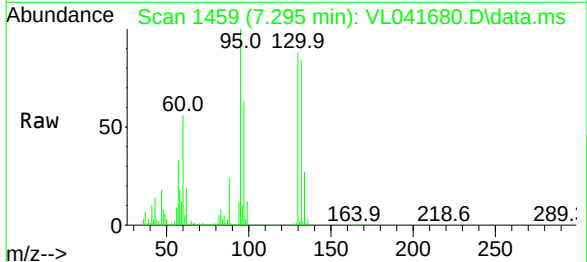
Tgt Ion: 62 Resp: 1992504
Ion Ratio Lower Upper
62 100
98 6.2 5.2 7.8

Manual Integrations
APPROVED

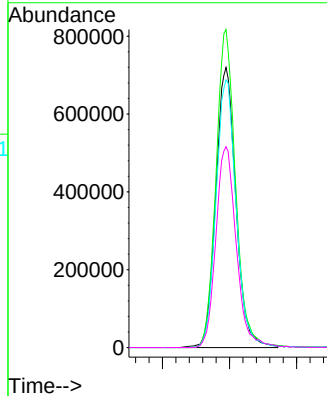
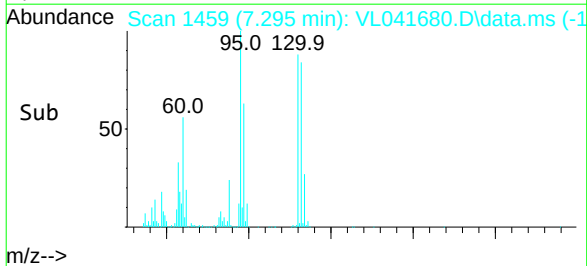
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024

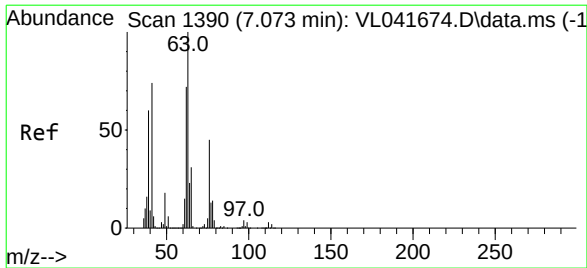


#38
Trichloroethene
Concen: 16.410 ppbv
RT: 7.295 min Scan# 1459
Delta R.T. 0.007 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12



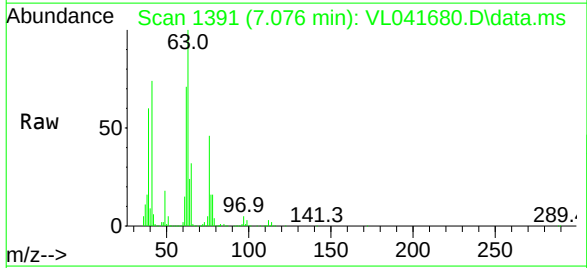
Tgt Ion:130 Resp: 1492186
Ion Ratio Lower Upper
130 100
95 113.5 89.1 133.7
132 95.6 75.7 113.5
97 71.7 60.0 90.0





#39
1,2-Dichloropropane
Concen: 15.081 ppbv
RT: 7.076 min Scan# 1390
Delta R.T. 0.003 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

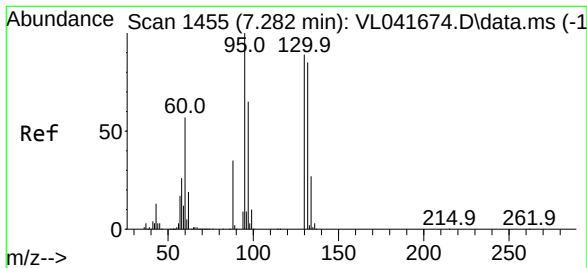
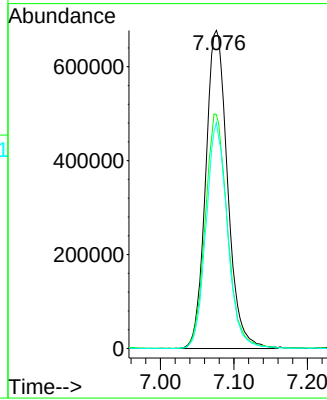
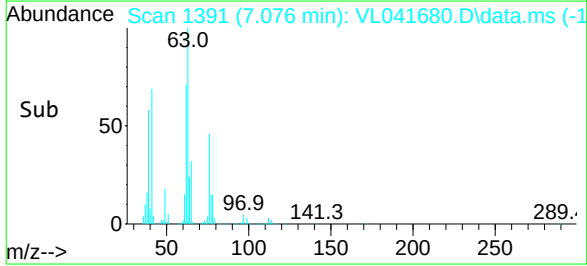
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 63 Resp: 1405373
Ion Ratio Lower Upper
63 100
41 73.5 59.1 88.7
62 70.9 57.7 86.5

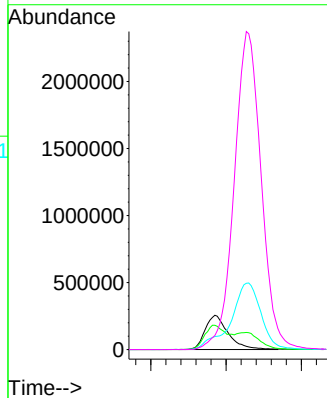
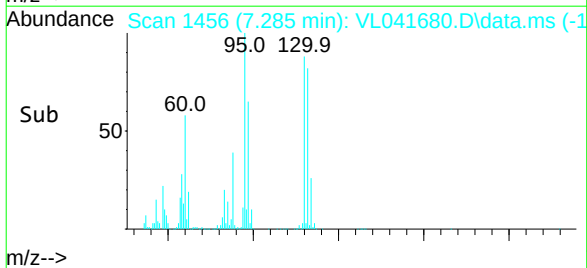
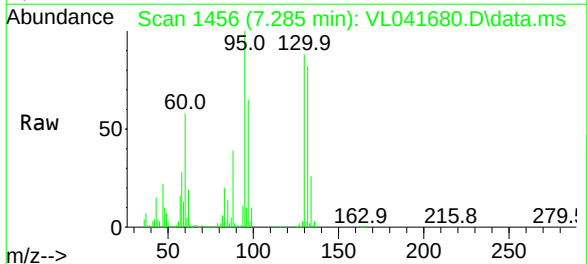
Manual Integrations
APPROVED

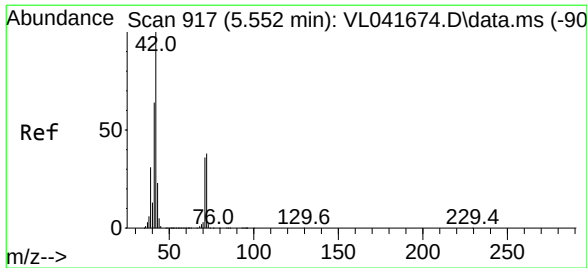
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#40
1,4-Dioxane
Concen: 16.521 ppbv
RT: 7.285 min Scan# 1456
Delta R.T. 0.003 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

Tgt Ion: 88 Resp: 545340
Ion Ratio Lower Upper
88 100
58 122.1 101.4 152.2
43 254.6 208.0 312.0
57 1086.0 902.9 1354.3





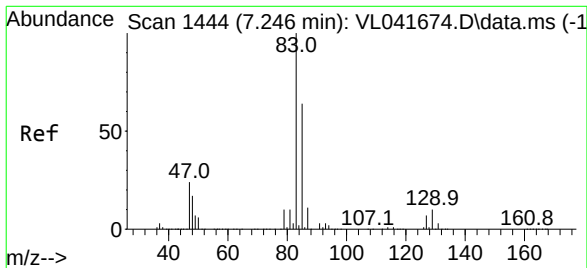
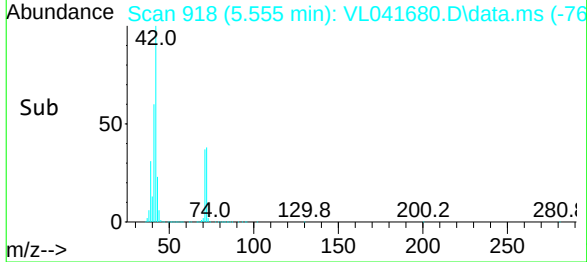
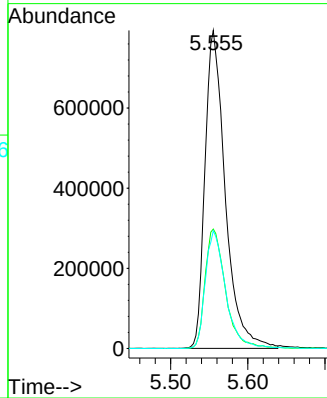
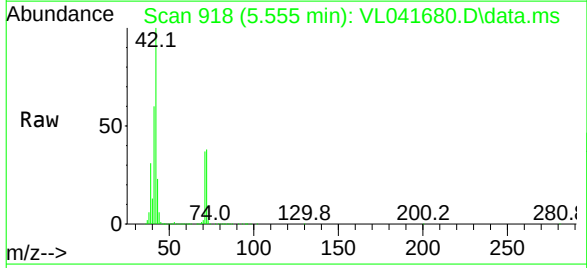
#41
Tetrahydrofuran
Concen: 16.040 ppbv
RT: 5.555 min Scan# 917
Delta R.T. 0.003 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 42 Resp: 1449986
Ion Ratio Lower Upper
42 100
72 38.0 29.8 44.6
71 37.3 29.4 44.2

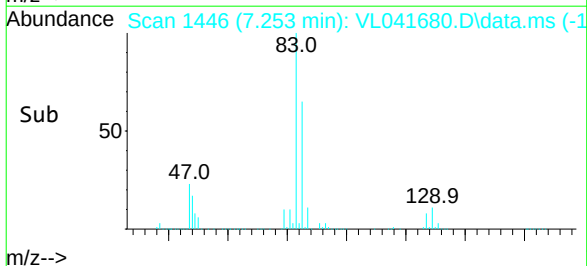
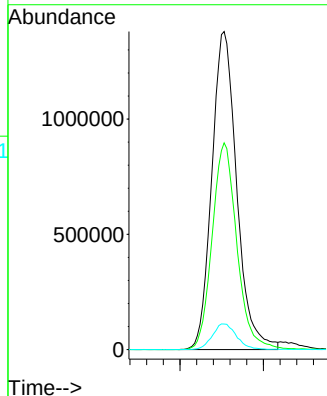
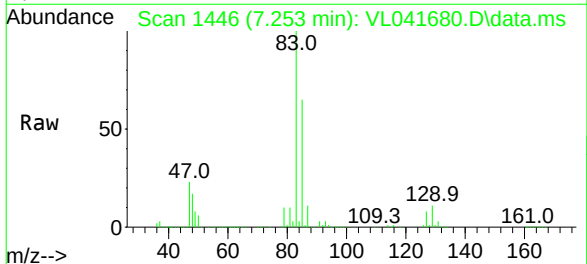
Manual Integrations
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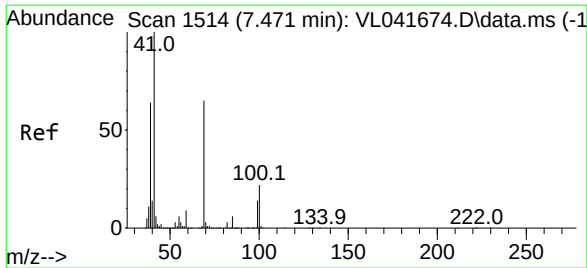
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#42
Bromodichloromethane
Concen: 15.522 ppbv
RT: 7.253 min Scan# 1446
Delta R.T. 0.007 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

Tgt Ion: 83 Resp: 2869440
Ion Ratio Lower Upper
83 100
85 65.0 51.2 76.8
127 8.0 6.0 9.0





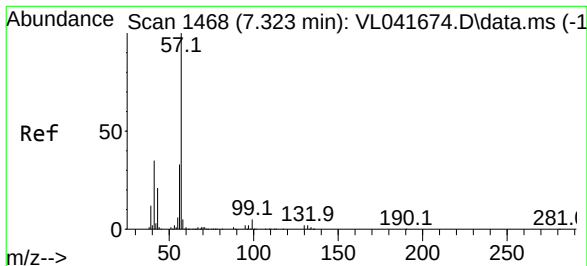
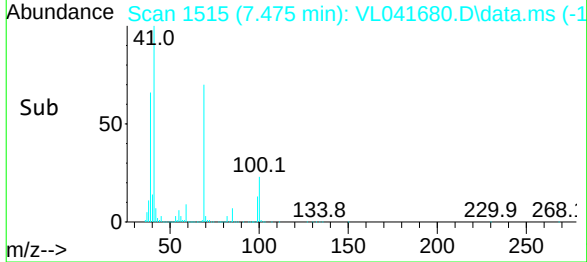
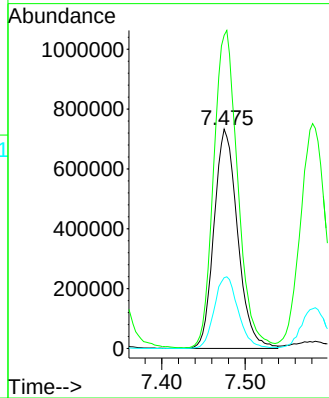
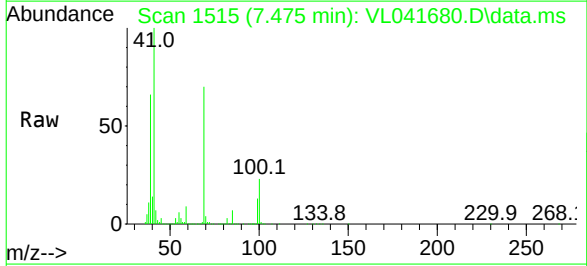
#43
Methyl Methacrylate
Concen: 17.388 ppbv
RT: 7.475 min Scan# 1514
Delta R.T. 0.003 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 69 Resp: 1439612
Ion Ratio Lower Upper
69 100
41 148.6 119.8 179.6
100 33.3 27.3 40.9

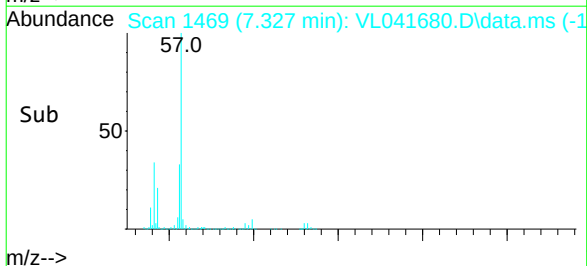
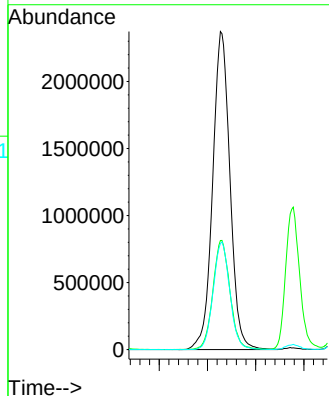
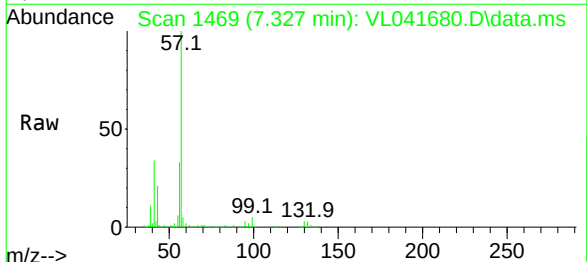
Manual Integrations
APPROVED

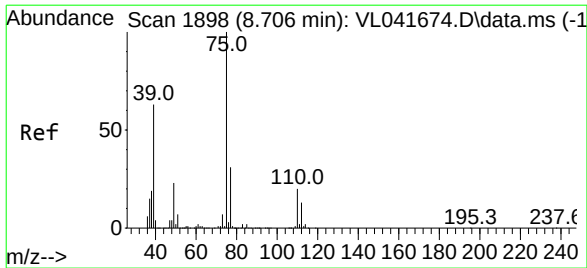
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#44
2,2,4-Trimethylpentane
Concen: 14.828 ppbv
RT: 7.327 min Scan# 1469
Delta R.T. 0.003 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

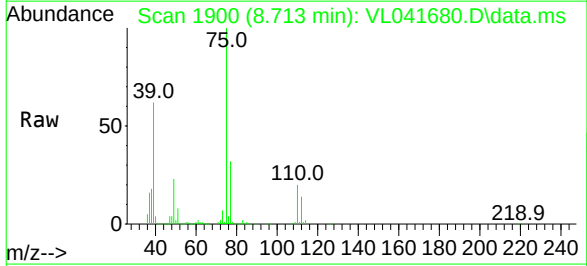
Tgt Ion: 57 Resp: 5922866
Ion Ratio Lower Upper
57 100
41 33.8 27.0 40.6
56 32.7 25.8 38.6





#45
t-1,3-Dichloropropene
Concen: 19.850 ppbv
RT: 8.713 min Scan# 19
Delta R.T. 0.007 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

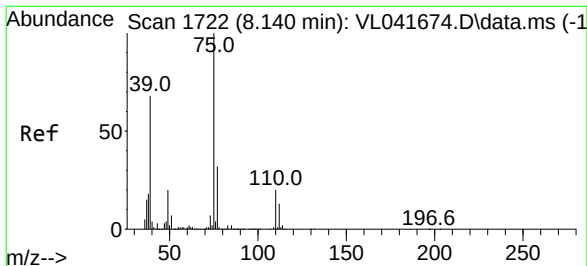
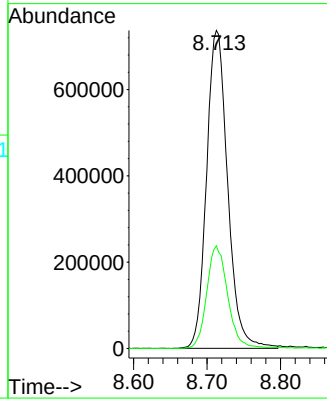
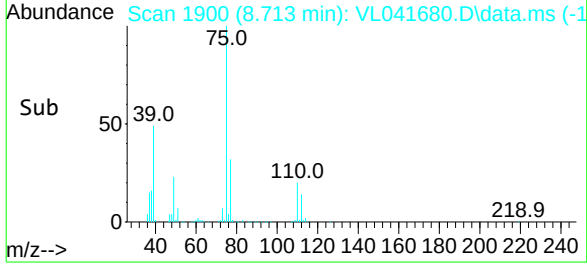
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



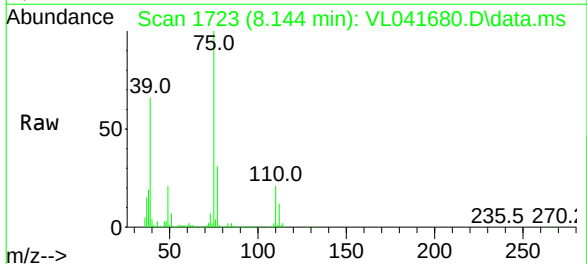
Tgt Ion: 75 Resp: 1469151
Ion Ratio Lower Upper
75 100
77 32.3 24.7 37.1

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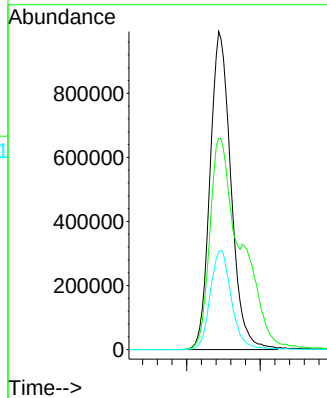
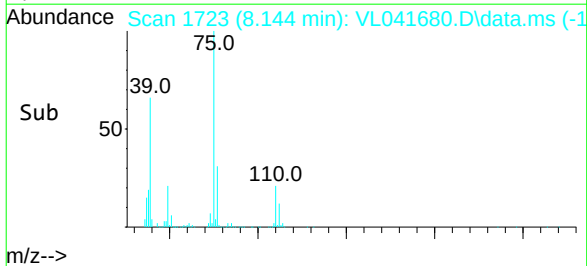
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024

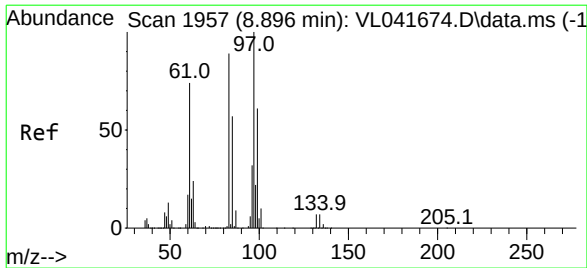


#46
cis-1,3-Dichloropropene
Concen: 18.259 ppbv
RT: 8.144 min Scan# 1723
Delta R.T. 0.003 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12



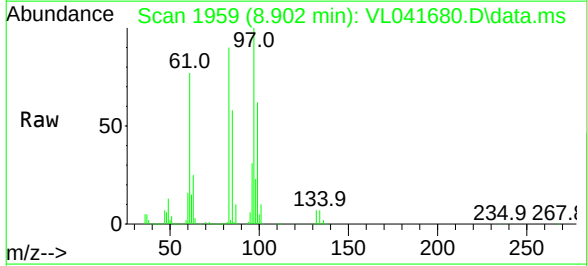
Tgt Ion: 75 Resp: 1964082
Ion Ratio Lower Upper
75 100
39 66.4 54.1 81.1
77 30.7 25.3 37.9





#47
1,1,2-Trichloroethane
Concen: 14.895 ppbv
RT: 8.902 min Scan# 1957
Delta R.T. 0.007 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

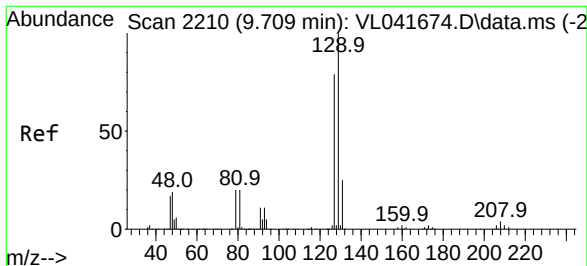
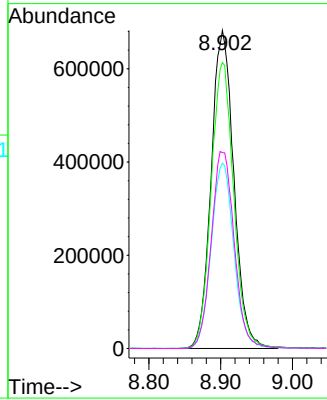
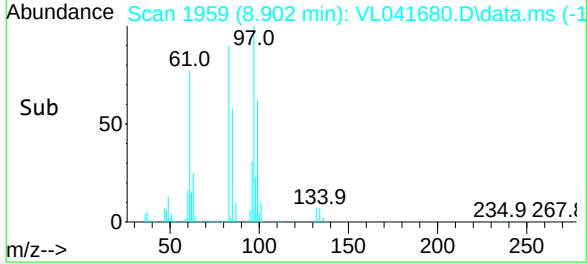
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



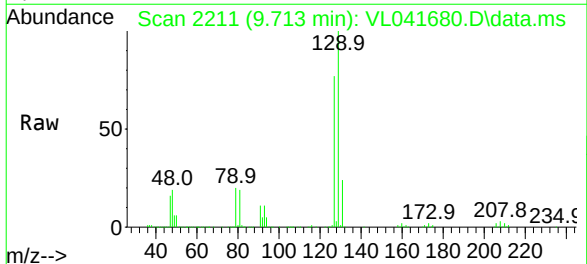
Tgt Ion: 97 Resp: 1496508
Ion Ratio Lower Upper
97 100
83 89.9 71.0 106.6
85 58.3 45.4 68.2
99 61.6 49.0 73.6

Manual Integrations
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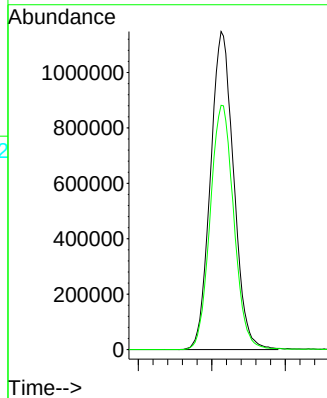
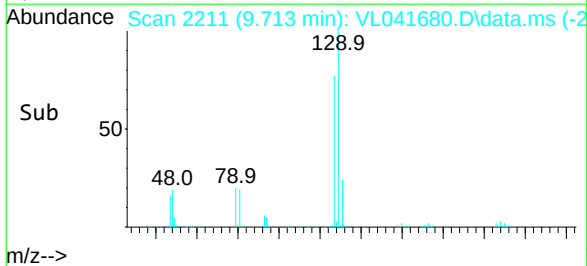
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024

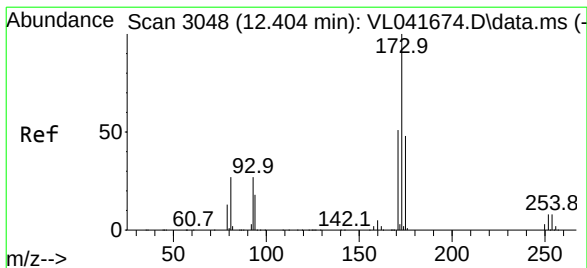


#48
Dibromochloromethane
Concen: 16.444 ppbv
RT: 9.713 min Scan# 2211
Delta R.T. 0.003 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12



Tgt Ion:129 Resp: 2521147
Ion Ratio Lower Upper
129 100
127 78.0 39.1 117.2





#49

Bromoform

Concen: 17.318 ppbv

RT: 12.413 min Scan# 3048

Delta R.T. 0.010 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion:173 Resp: 2265132

Ion Ratio Lower Upper

173 100

175 49.1 39.2 58.8

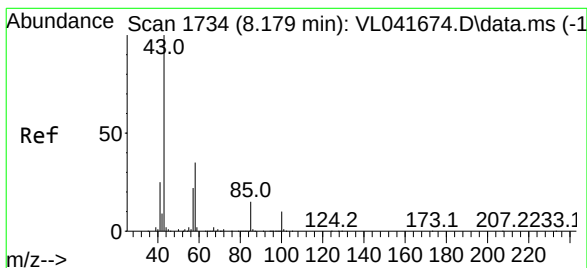
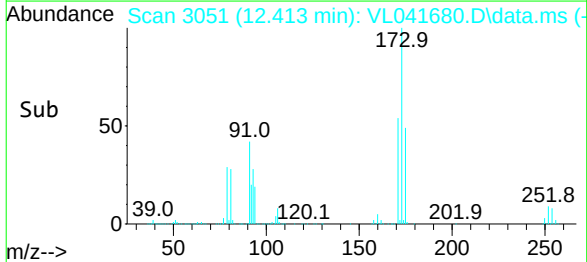
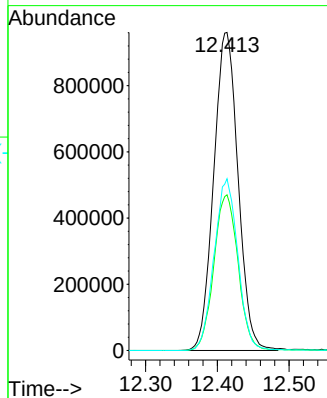
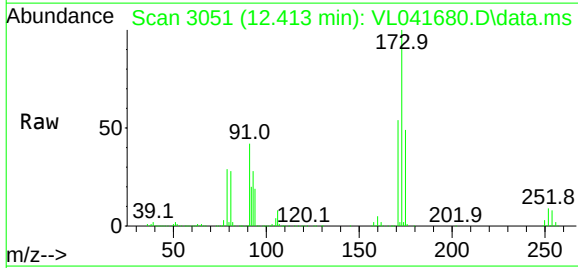
171 52.8 41.7 62.5

Manual Integrations

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Reviewed By :Mahesh Dadoda 11/09/2024

Supervised By :Semsettin Yesilyurt 11/09/2024



#50

4-Methyl-2-Pentanone

Concen: 15.919 ppbv

RT: 8.182 min Scan# 1735

Delta R.T. 0.003 min

Lab File: VL041680.D

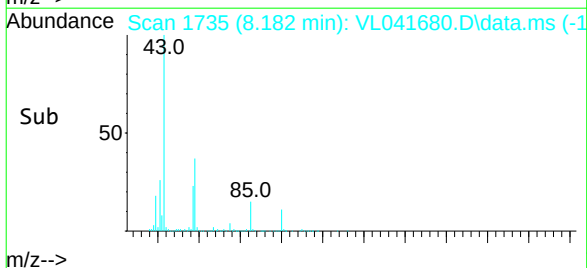
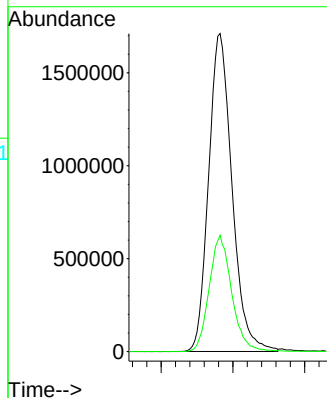
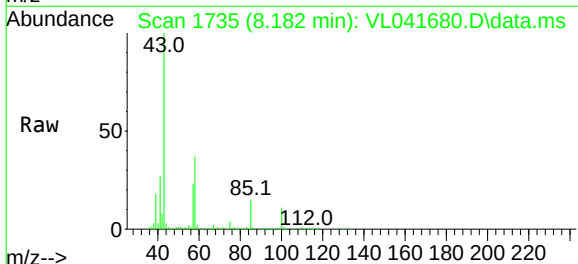
Acq: 7 Nov 2024 14:12

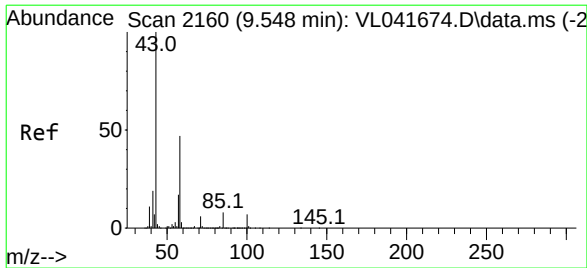
Tgt Ion: 43 Resp: 3873850

Ion Ratio Lower Upper

43 100

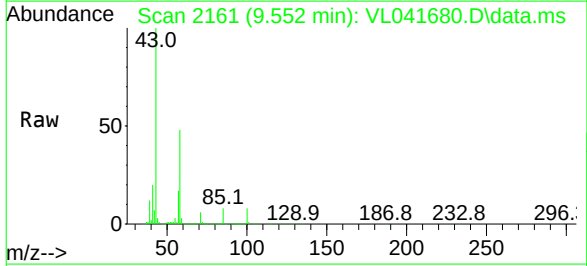
58 35.3 27.7 41.5





#51
2-Hexanone
Concen: 17.512 ppbv
RT: 9.552 min Scan# 2160
Delta R.T. 0.003 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

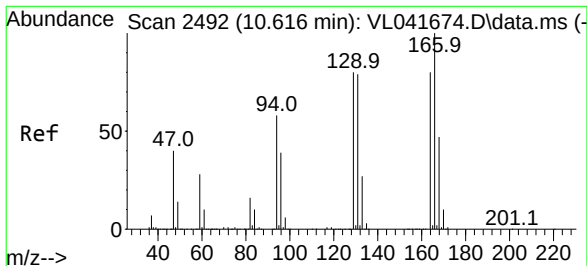
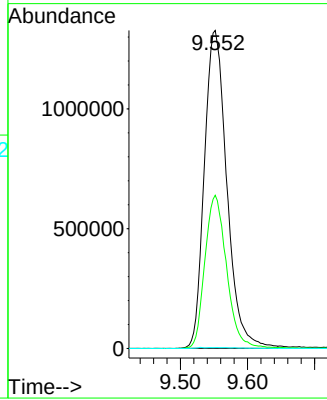
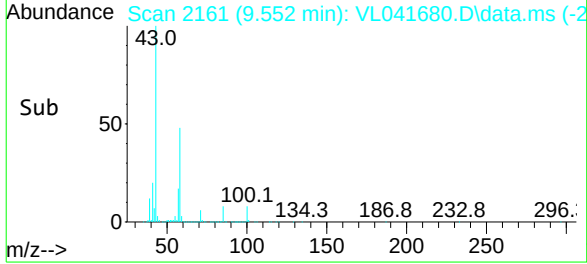
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



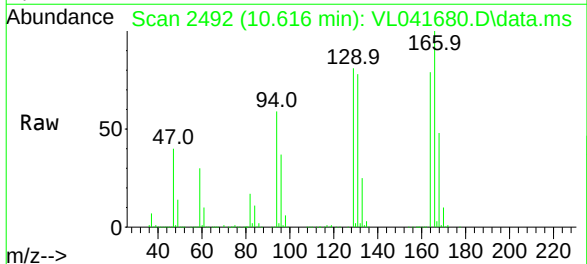
Tgt Ion: 43 Resp: 3096656
Ion Ratio Lower Upper
43 100
58 46.8 37.0 55.6
98 0.5 0.6 0.8

Manual Integrations
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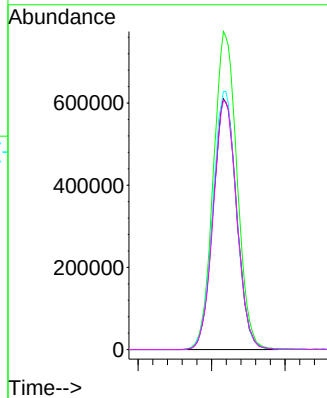
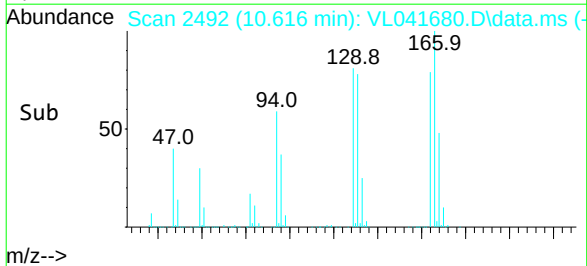
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024

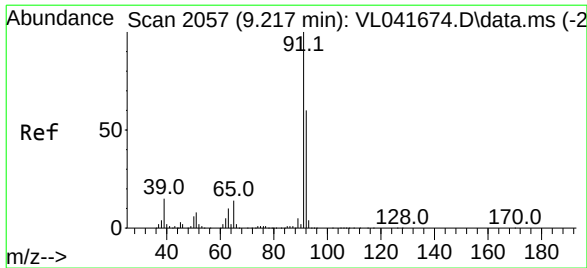


#52
Tetrachloroethene
Concen: 16.900 ppbv
RT: 10.616 min Scan# 2492
Delta R.T. 0.000 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12



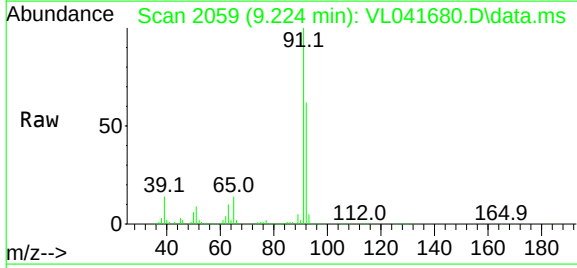
Tgt Ion:164 Resp: 1362327
Ion Ratio Lower Upper
164 100
166 126.8 100.2 150.4
129 102.9 79.7 119.5
131 99.5 79.0 118.4





#53
Toluene
Concen: 16.909 ppbv
RT: 9.224 min Scan# 2057
Delta R.T. 0.007 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

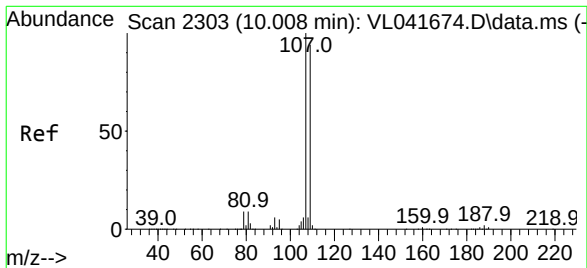
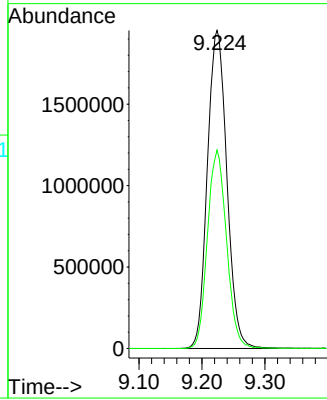
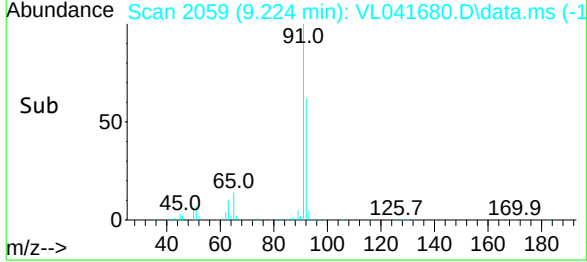
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



Tgt Ion: 91 Resp: 4192947
Ion Ratio Lower Upper
91 100
92 61.3 49.0 73.4

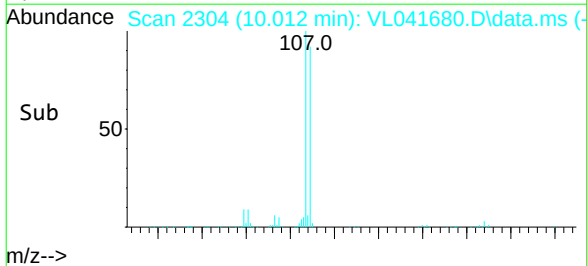
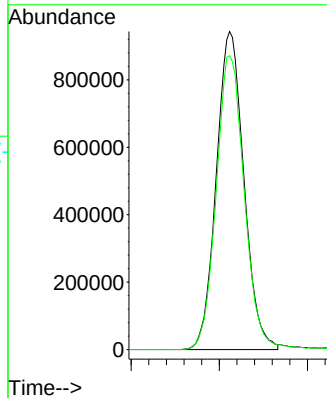
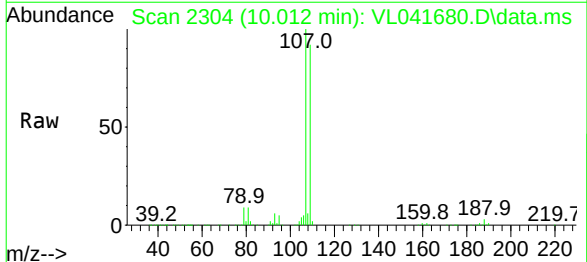
Manual Integrations
APPROVED

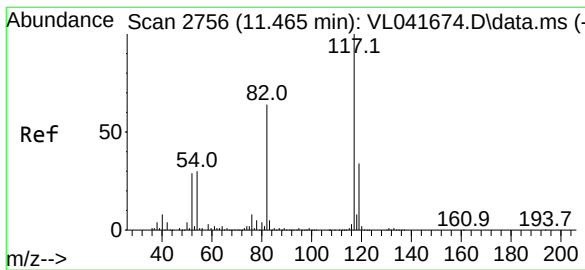
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#54
1,2-Dibromoethane
Concen: 17.451 ppbv
RT: 10.012 min Scan# 2304
Delta R.T. 0.003 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

Tgt Ion:107 Resp: 2047188
Ion Ratio Lower Upper
107 100
109 92.4 74.9 112.3





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.468 min Scan# 2756

Delta R.T. 0.003 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion:117 Resp: 3271350

Ion Ratio Lower Upper

117 100

82 60.9 49.8 74.8

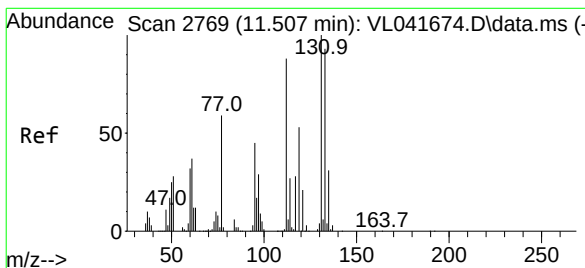
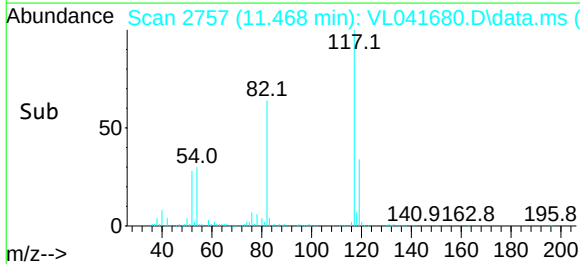
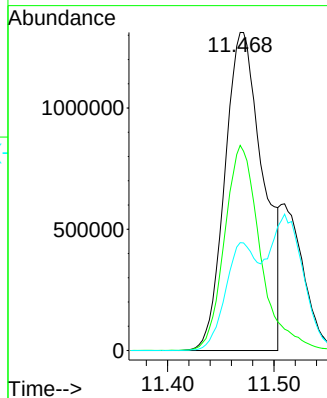
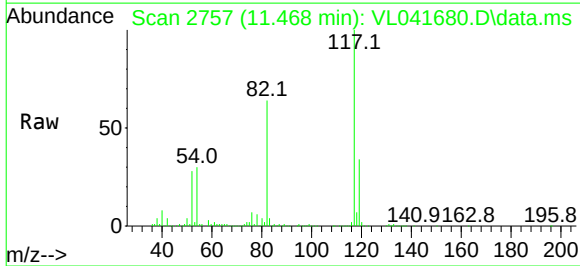
119 30.7 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024

Supervised By :Semsettin Yesilyurt 11/09/2024



#56

1,1,1,2-Tetrachloroethane

Concen: 13.588 ppbv

RT: 11.510 min Scan# 2770

Delta R.T. 0.003 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

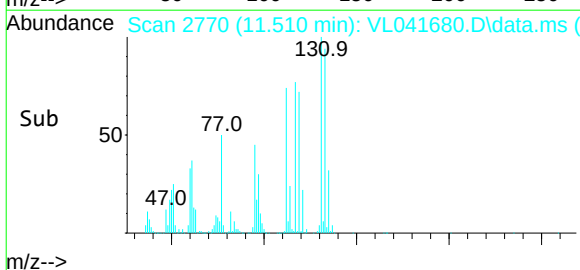
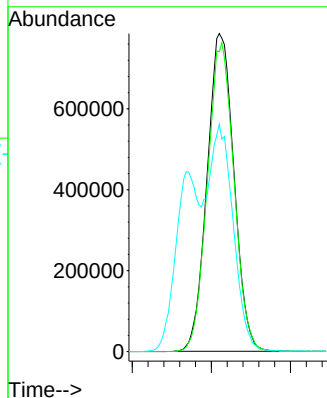
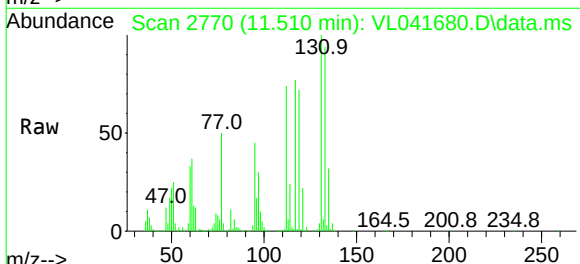
Tgt Ion:131 Resp: 1851127

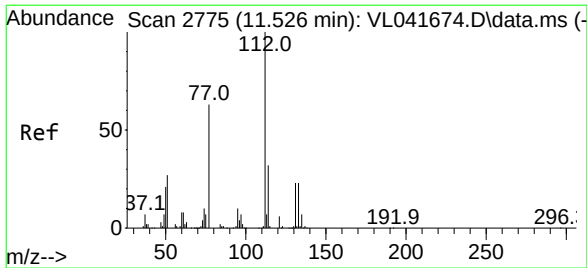
Ion Ratio Lower Upper

131 100

133 96.3 76.5 114.7

119 64.4 49.8 74.8





#57

Chlorobenzene

Concen: 13.453 ppbv

RT: 11.529 min Scan# 2775

Delta R.T. 0.003 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion:112 Resp: 3280487

Ion Ratio Lower Upper

112 100

77 65.6 51.4 77.2

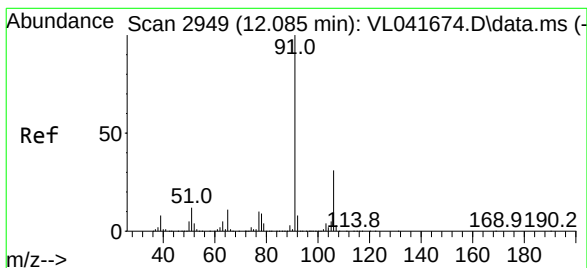
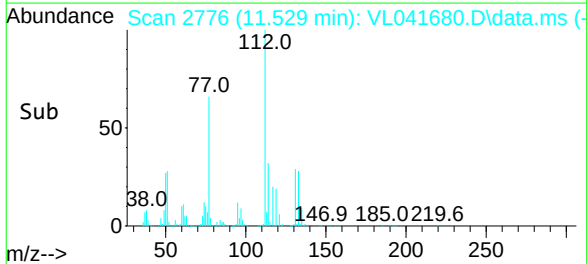
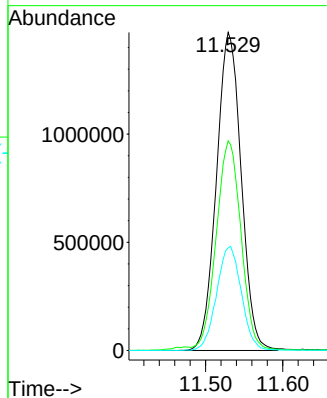
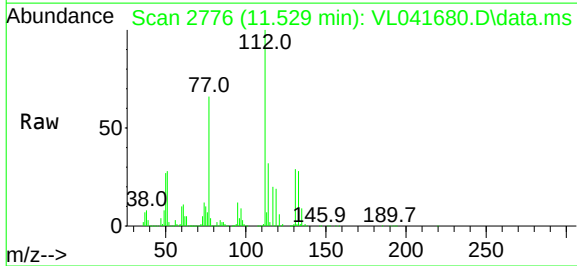
114 32.2 28.4 34.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024

Supervised By :Semsettin Yesilyurt 11/09/2024



#58

Ethyl Benzene

Concen: 15.550 ppbv

RT: 12.092 min Scan# 2951

Delta R.T. 0.007 min

Lab File: VL041680.D

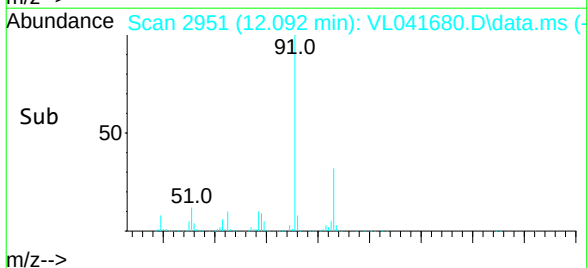
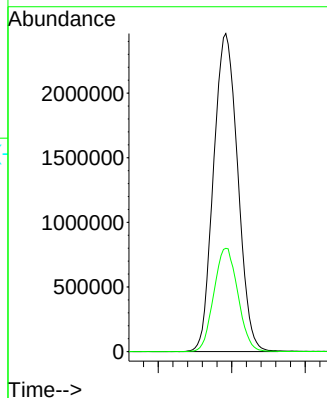
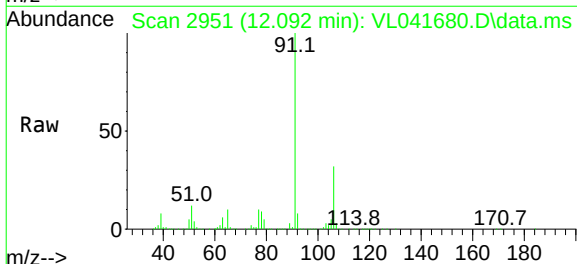
Acq: 7 Nov 2024 14:12

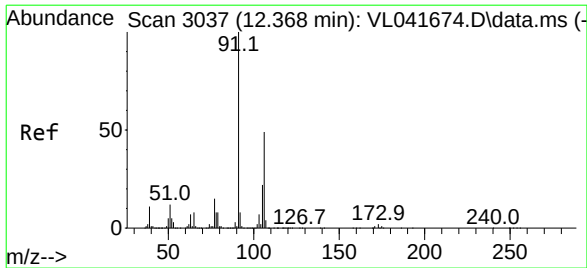
Tgt Ion: 91 Resp: 5635176

Ion Ratio Lower Upper

91 100

106 32.5 24.9 37.3





#59

m/p-Xylene

Concen: 29.406 ppbv m

RT: 12.372 min Scan# 3037

Delta R.T. 0.003 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Tgt Ion: 91 Resp: 9532832

Ion Ratio Lower Upper

91 100

106 46.3 36.9 55.3

Instrument :

MSVOA_L

ClientSampleId :

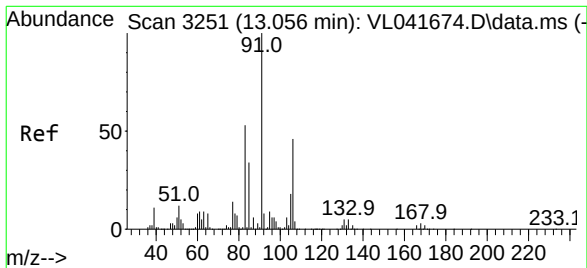
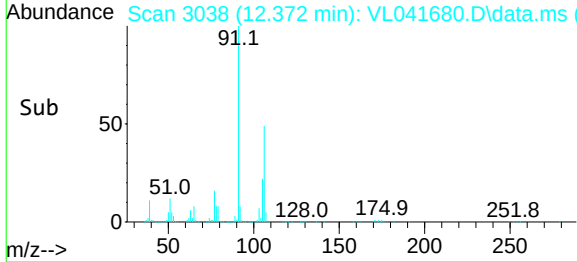
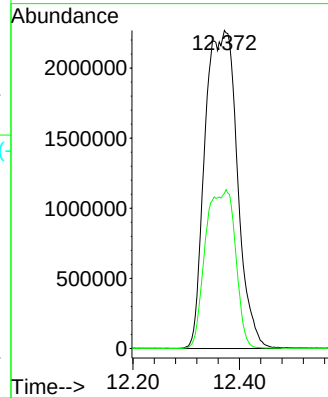
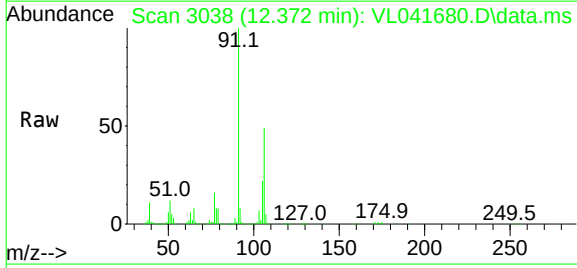
VSTDICC015

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024

Supervised By :Semsettin Yesilyurt 11/09/2024



#60

o-Xylene

Concen: 14.859 ppbv

RT: 13.063 min Scan# 3253

Delta R.T. 0.007 min

Lab File: VL041680.D

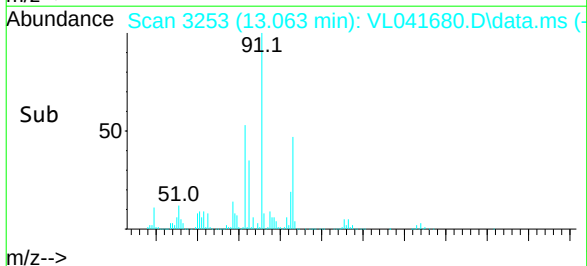
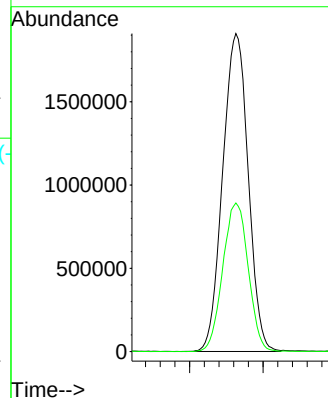
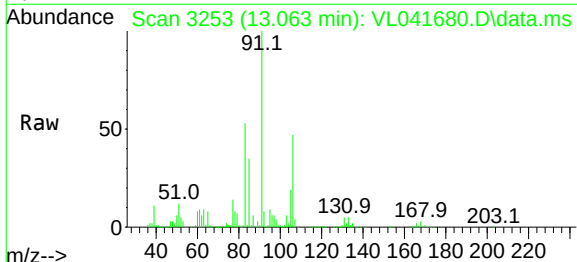
Acq: 7 Nov 2024 14:12

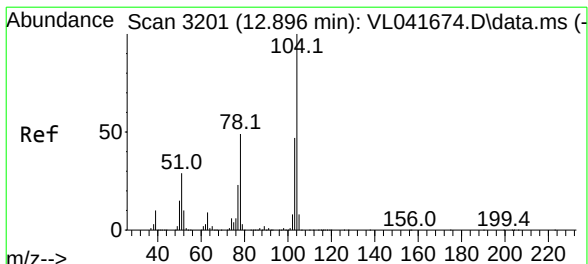
Tgt Ion: 91 Resp: 4598783

Ion Ratio Lower Upper

91 100

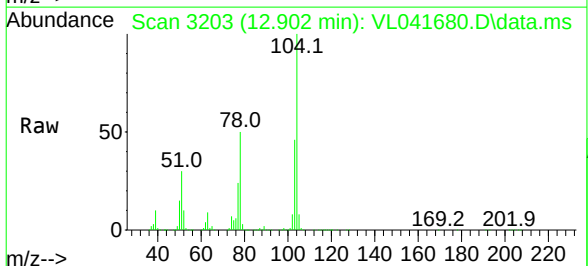
106 46.7 23.2 69.6





#61
 Styrene
 Concen: 18.233 ppbv
 RT: 12.902 min Scan# 3203
 Delta R.T. 0.007 min
 Lab File: VL041680.D
 Acq: 7 Nov 2024 14:12

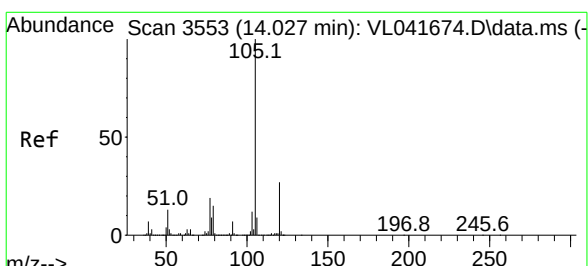
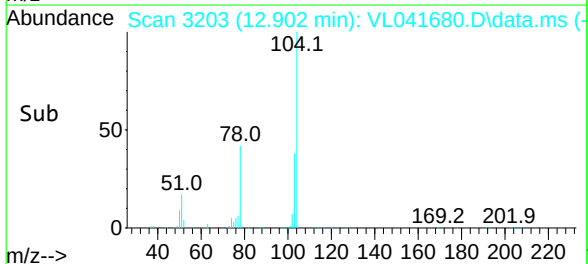
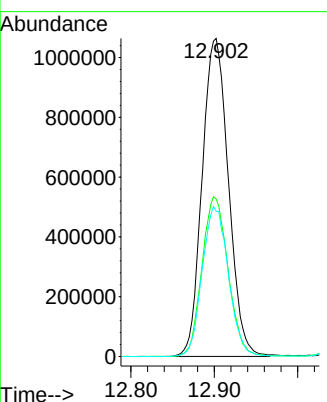
Instrument : MSVOA_L
 ClientSampleId : VSTDIC015



Tgt Ion:104 Resp: 2329096

Ion	Ratio	Lower	Upper
104	100		
78	50.0	39.8	59.8
103	47.1	37.4	56.0

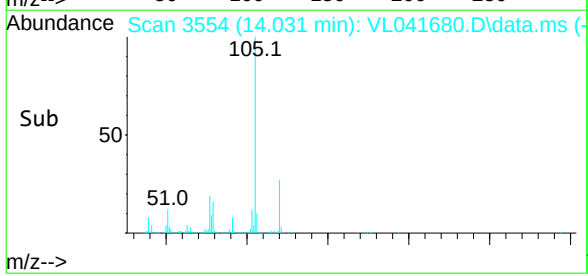
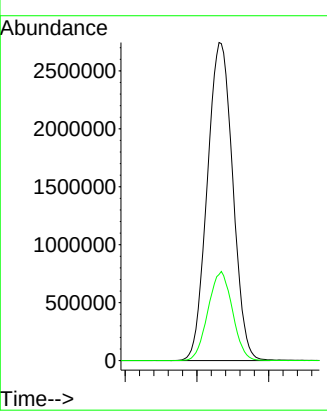
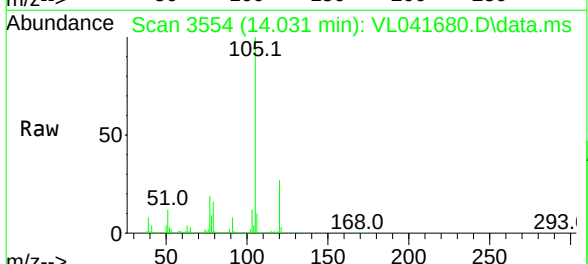
Manual Integrations
APPROVED
 Reviewed By :Mahesh Dadoda 11/09/2024
 Supervised By :Semsettin Yesilyurt 11/09/2024

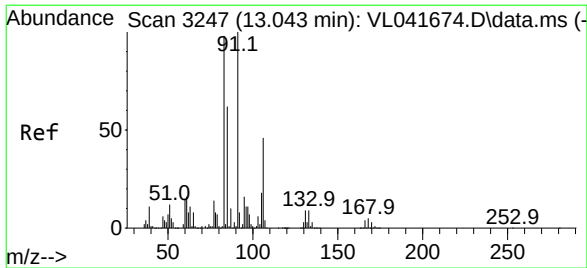


#62
 Isopropylbenzene
 Concen: 14.169 ppbv
 RT: 14.031 min Scan# 3554
 Delta R.T. 0.003 min
 Lab File: VL041680.D
 Acq: 7 Nov 2024 14:12

Tgt Ion:105 Resp: 6769619

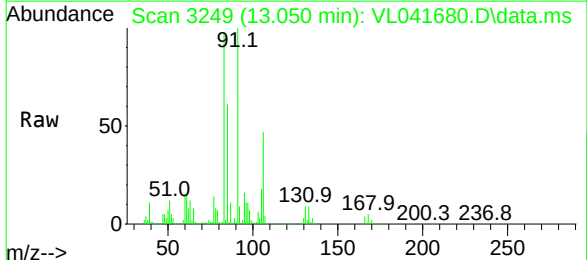
Ion	Ratio	Lower	Upper
105	100		
120	26.9	21.1	31.7





#63
1,1,2,2-Tetrachloroethane
Concen: 14.277 ppbv
RT: 13.050 min Scan# 3247
Delta R.T. 0.007 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

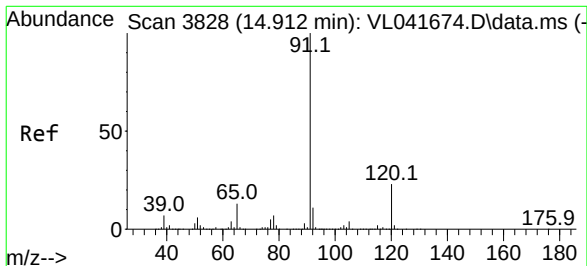
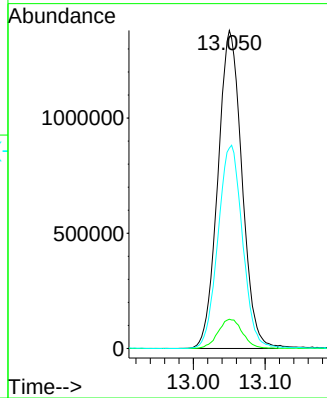
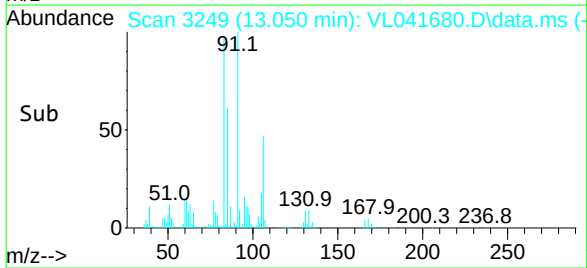
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



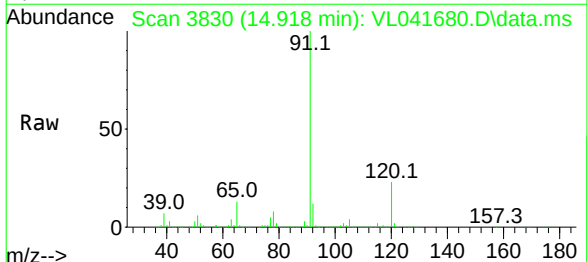
Tgt Ion: 83 Resp: 3217179
Ion Ratio Lower Upper
83 100
131 9.4 4.8 14.3
85 65.5 32.6 98.0

Manual Integrations
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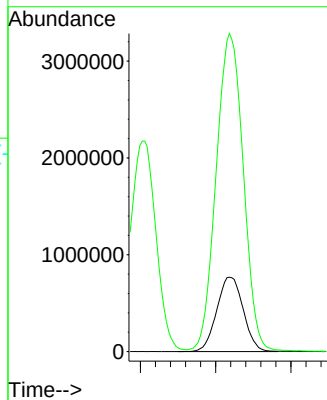
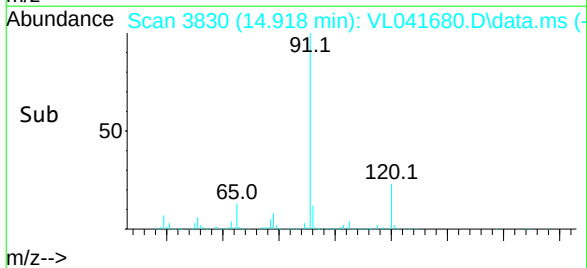
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024

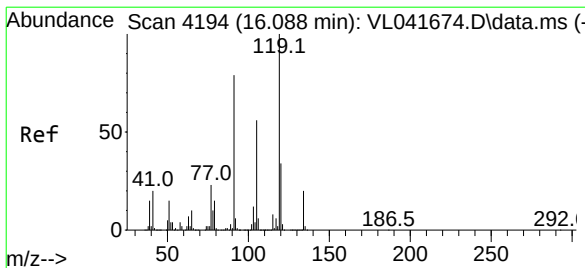


#64
n-propylbenzene
Concen: 15.010 ppbv
RT: 14.918 min Scan# 3830
Delta R.T. 0.007 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12



Tgt Ion:120 Resp: 1875181
Ion Ratio Lower Upper
120 100
91 441.1 362.4 543.6





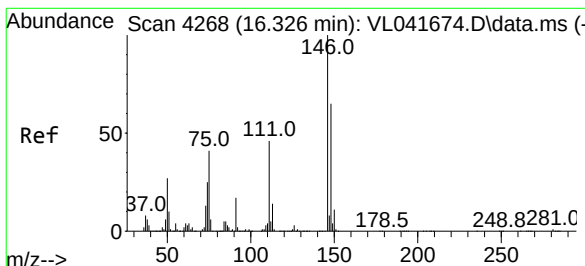
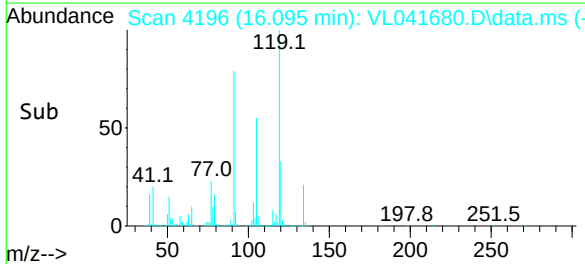
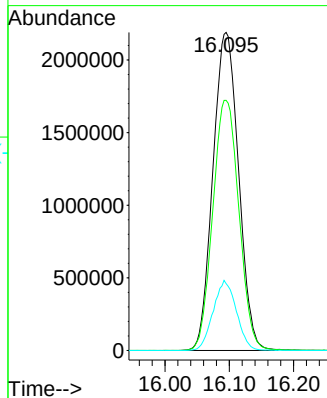
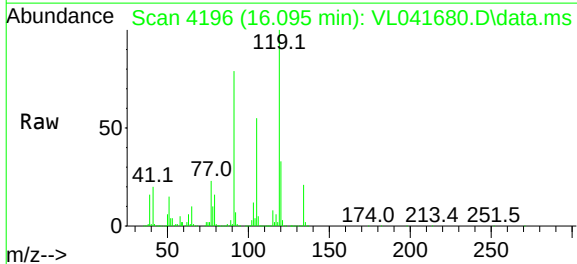
#65
tert-Butylbenzene
Concen: 14.149 ppbv
RT: 16.095 min Scan# 4194
Delta R.T. 0.007 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 119 Resp: 6075642
Ion Ratio Lower Upper
119 100
91 80.2 64.3 96.5
134 20.0 15.8 23.8

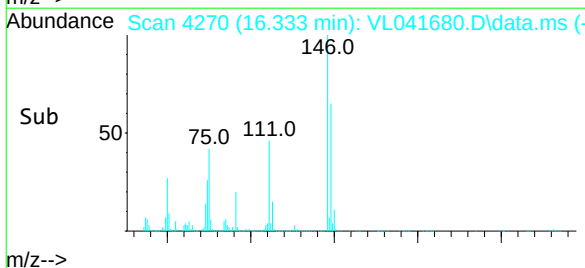
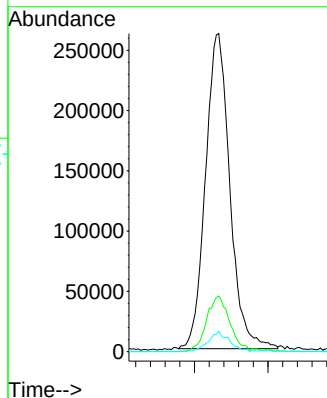
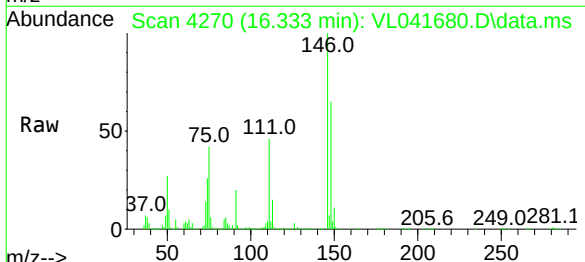
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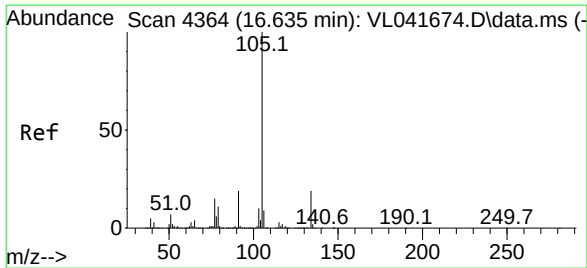
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#66
Benzyl Chloride
Concen: 19.466 ppbv
RT: 16.333 min Scan# 4270
Delta R.T. 0.007 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

Tgt Ion: 91 Resp: 602019
Ion Ratio Lower Upper
91 100
126 17.3 13.8 20.6
128 5.8 4.3 6.5





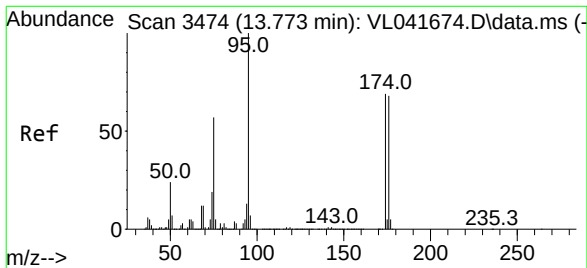
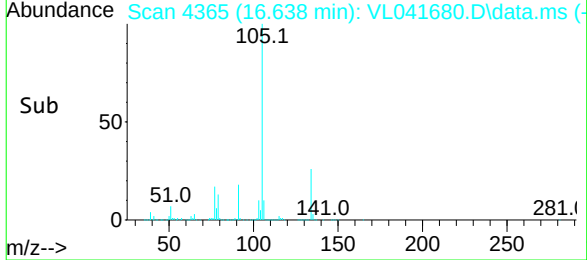
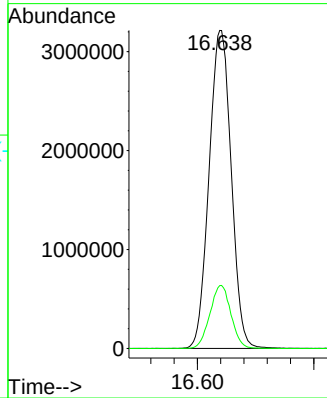
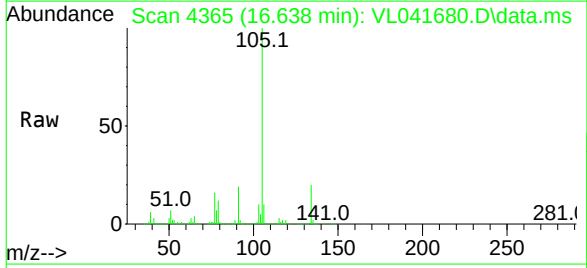
#67
sec-Butylbenzene
Concen: 14.008 ppbv
RT: 16.638 min Scan# 4364
Delta R.T. 0.003 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:105 Resp: 8477471
Ion Ratio Lower Upper
105 100
134 18.9 14.6 22.0

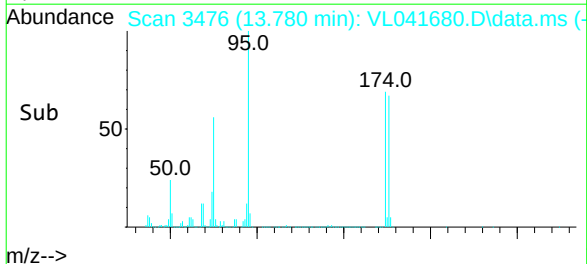
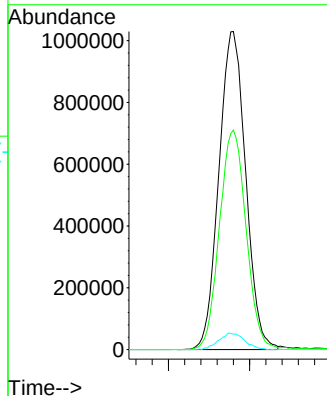
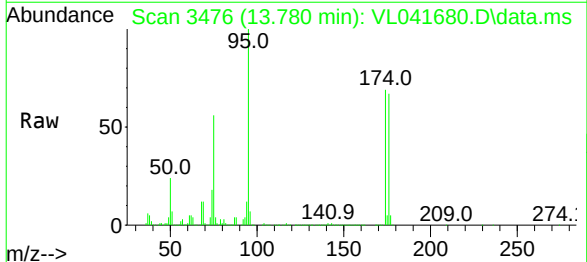
Manual Integrations
APPROVED

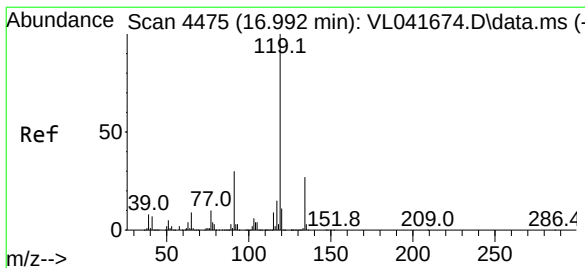
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#68
1-Bromo-4-Fluorobenzene
Concen: 9.746 ppbv
RT: 13.780 min Scan# 3476
Delta R.T. 0.007 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

Tgt Ion: 95 Resp: 2357958
Ion Ratio Lower Upper
95 100
174 69.5 55.6 83.4
175 5.1 4.2 6.2





#69

p-Isopropyltoluene

Concen: 14.562 ppbv

RT: 16.999 min Scan# 4475

Delta R.T. 0.007 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion:119 Resp: 7127872

Ion Ratio Lower Upper

119 100

134 26.5 20.8 31.2

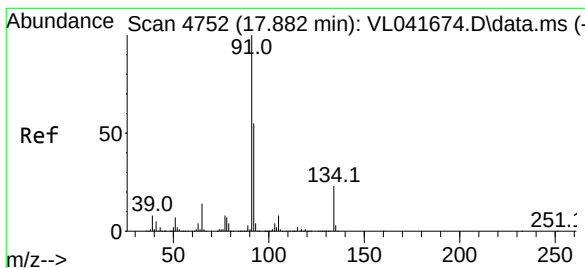
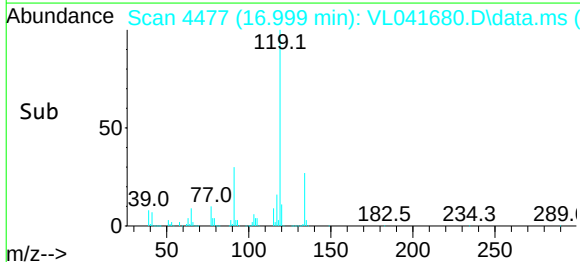
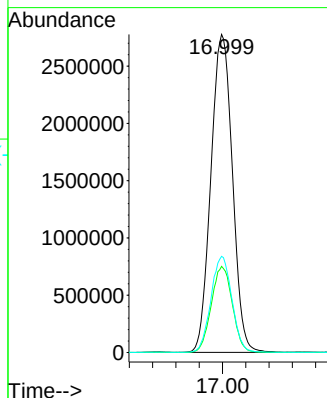
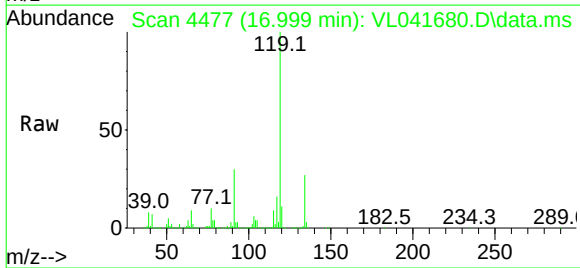
91 29.4 23.2 34.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024

Supervised By :Semsettin Yesilyurt 11/09/2024



#70

n-Butylbenzene

Concen: 14.625 ppbv

RT: 17.889 min Scan# 4754

Delta R.T. 0.007 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

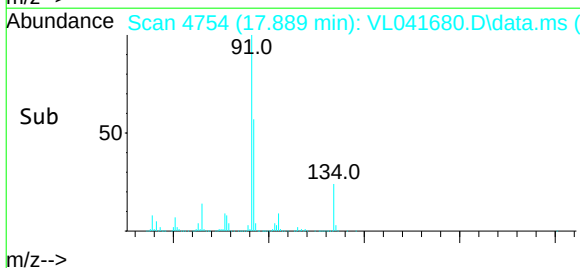
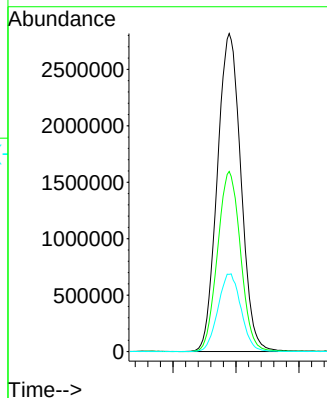
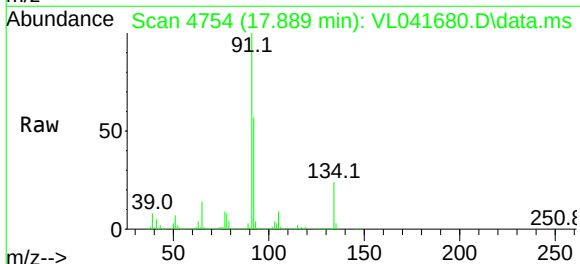
Tgt Ion: 91 Resp: 7337569

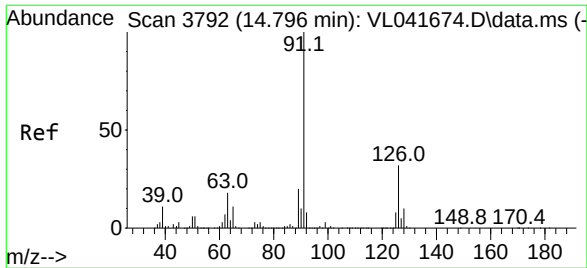
Ion Ratio Lower Upper

91 100

92 55.3 43.3 64.9

134 24.0 18.4 27.6





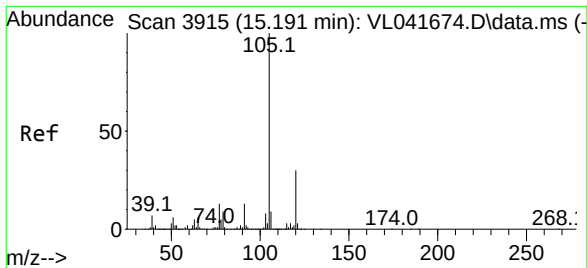
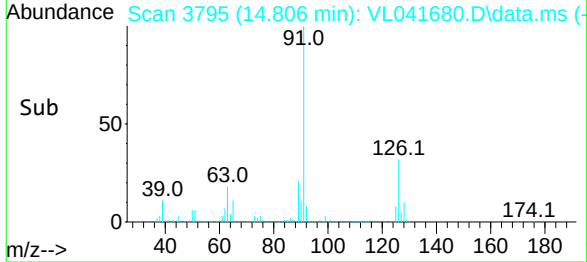
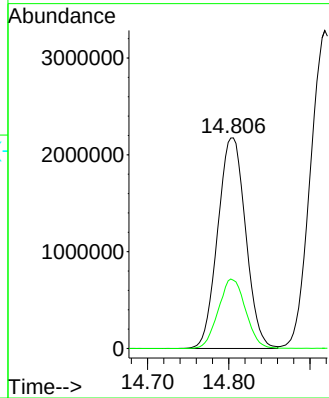
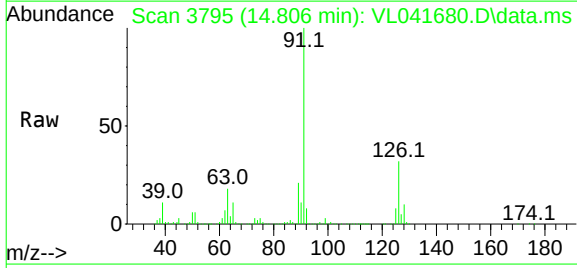
#71
2-Chlorotoluene
Concen: 15.038 ppbv
RT: 14.806 min Scan# 3792
Delta R.T. 0.010 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 91 Resp: 5195848
Ion Ratio Lower Upper
91 100
126 32.2 12.8 51.0

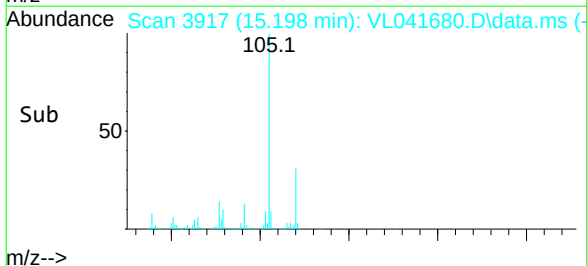
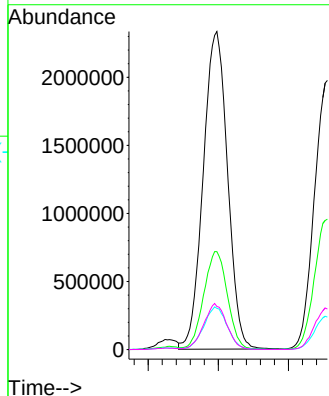
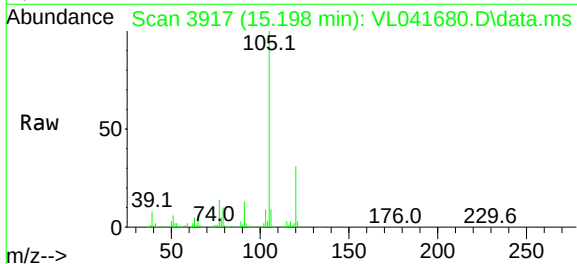
Manual Integrations
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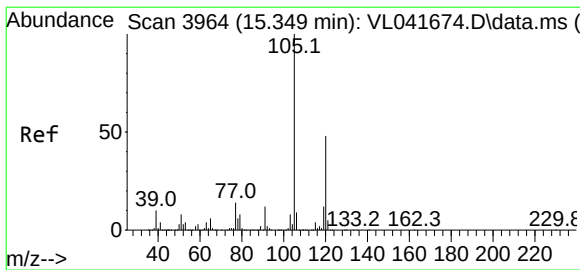
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#72
4-Ethyltoluene
Concen: 15.652 ppbv
RT: 15.198 min Scan# 3917
Delta R.T. 0.007 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

Tgt Ion:105 Resp: 5625512
Ion Ratio Lower Upper
105 100
120 31.0 25.0 37.4
91 13.7 10.6 15.8
77 14.1 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 15.144 ppbv

RT: 15.355 min Scan# 39

Delta R.T. 0.007 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion:105 Resp: 4772611

Ion Ratio Lower Upper

105 100

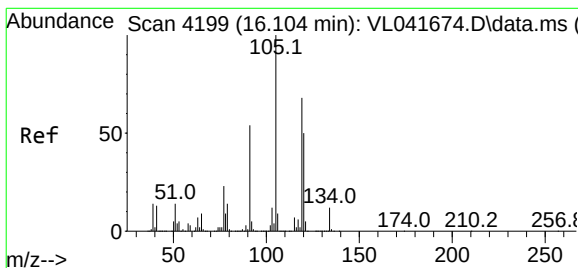
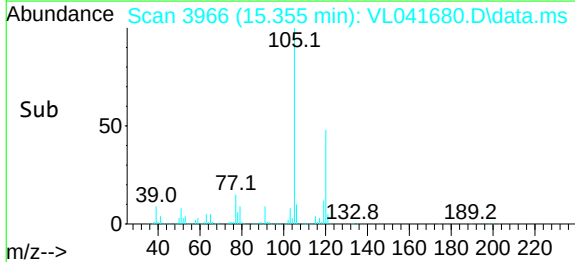
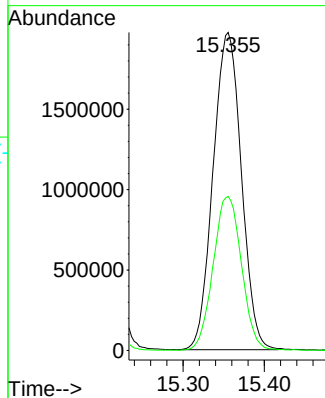
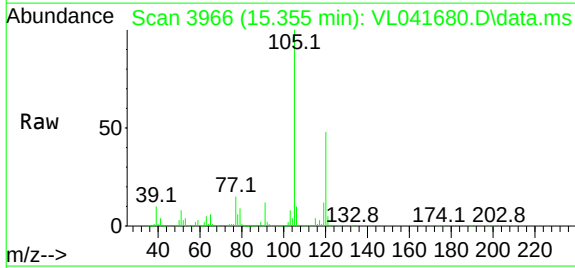
120 48.5 38.4 57.6

Manual Integrations

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Reviewed By :Mahesh Dadoda 11/09/2024

Supervised By :Semsettin Yesilyurt 11/09/2024



#74

1,2,4-Trimethylbenzene

Concen: 14.183 ppbv

RT: 16.114 min Scan# 4202

Delta R.T. 0.010 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Tgt Ion:105 Resp: 5199497

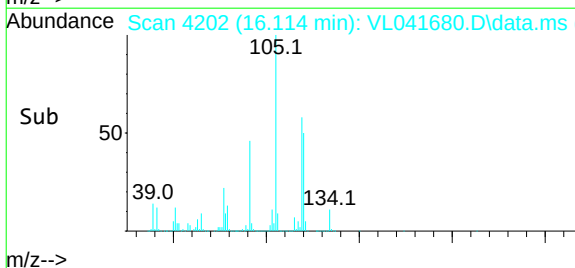
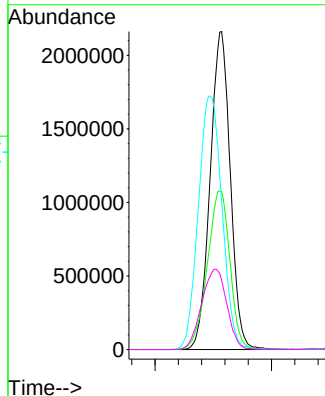
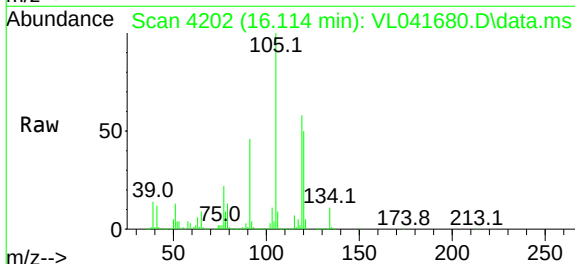
Ion Ratio Lower Upper

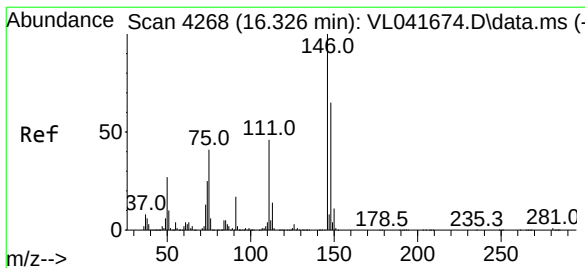
105 100

120 49.7 39.8 59.8

91 46.3 43.2 64.8

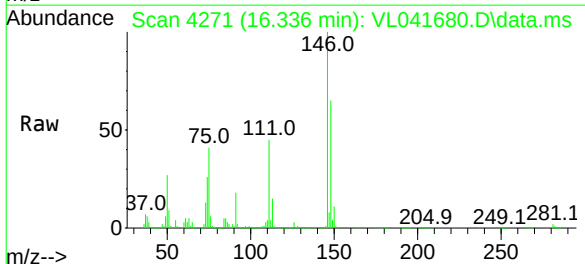
77 21.9 18.5 27.7





#75
1,3-Dichlorobenzene
Concen: 14.559 ppbv
RT: 16.336 min Scan# 4268
Delta R.T. 0.010 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

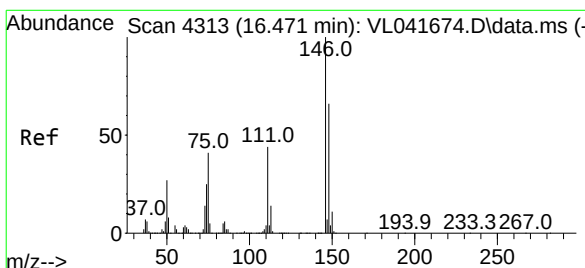
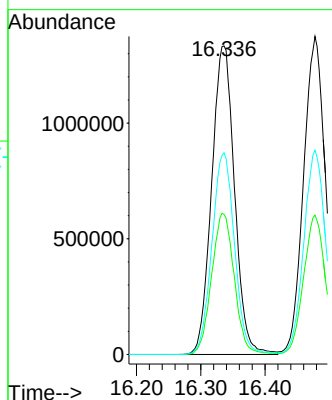
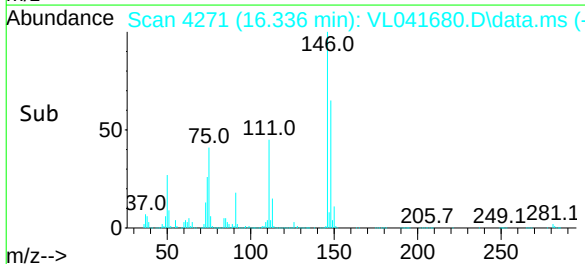
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



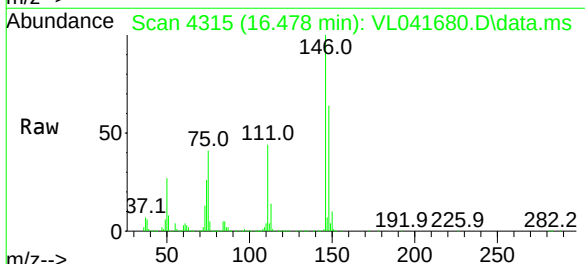
Tgt Ion:146 Resp: 3296952
Ion Ratio Lower Upper
146 100
111 45.3 22.8 68.3
148 64.7 32.4 97.0

Manual Integrations
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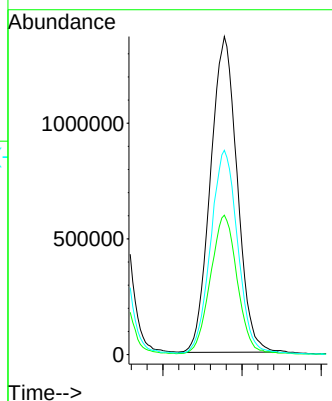
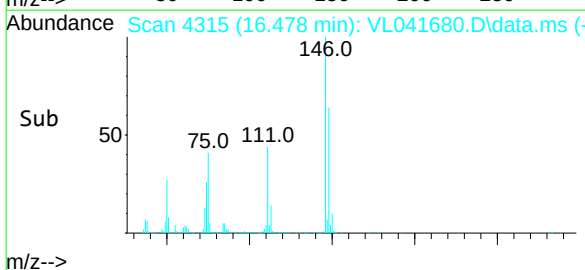
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024

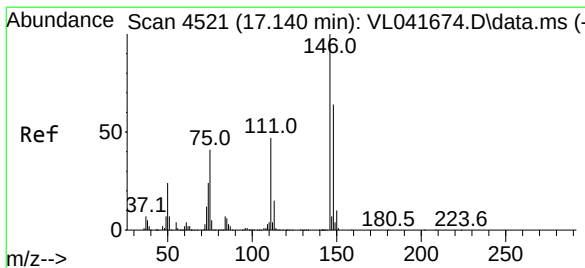


#76
1,4-Dichlorobenzene
Concen: 14.402 ppbv
RT: 16.478 min Scan# 4315
Delta R.T. 0.007 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12



Tgt Ion:146 Resp: 3204404
Ion Ratio Lower Upper
146 100
111 44.5 22.1 66.3
148 66.2 33.3 99.8





#77

1,2-Dichlorobenzene

Concen: 14.336 ppbv

RT: 17.150 min Scan# 45

Delta R.T. 0.010 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion:146 Resp: 3223835

Ion Ratio Lower Upper

146 100

111 46.5 23.4 70.3

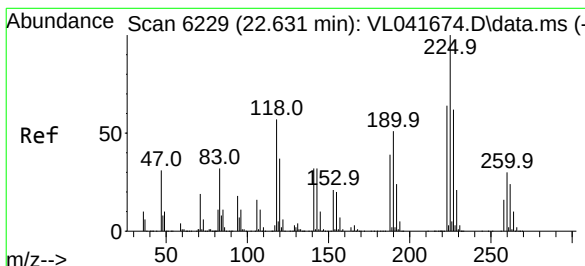
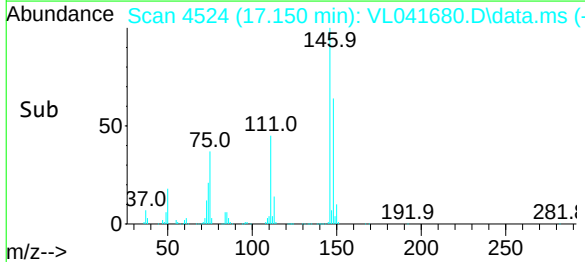
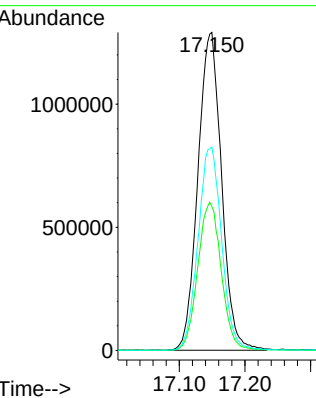
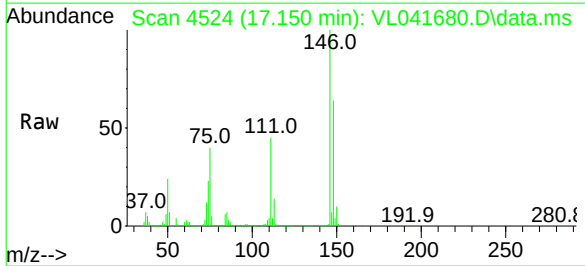
148 64.0 32.1 96.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024

Supervised By :Semsettin Yesilyurt 11/09/2024



#78

Hexachloro-1,3-Butadiene

Concen: 12.158 ppbv

RT: 22.638 min Scan# 6231

Delta R.T. 0.007 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

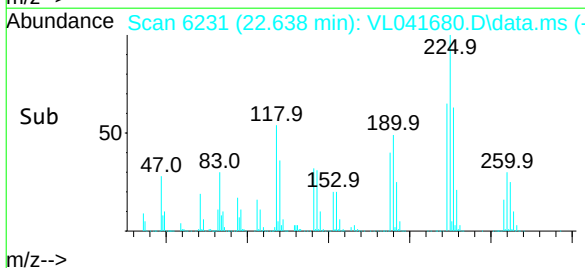
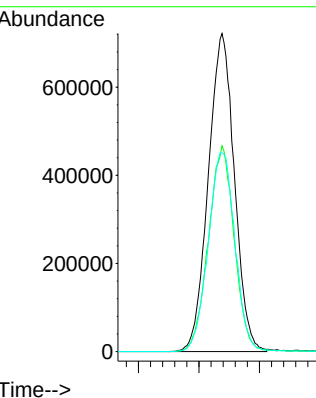
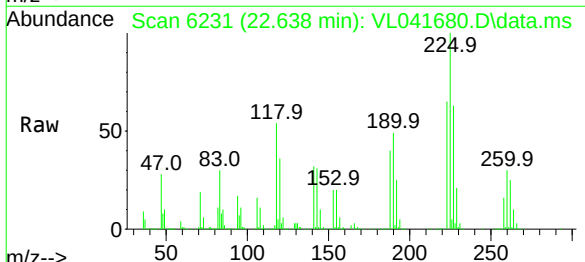
Tgt Ion:225 Resp: 2162938

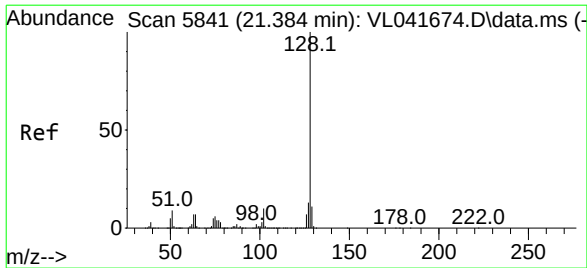
Ion Ratio Lower Upper

225 100

223 64.3 51.1 76.7

227 64.5 51.3 76.9





#79

Naphthalene

Concen: 19.355 ppbv

RT: 21.391 min Scan# 5841

Delta R.T. 0.007 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion:128 Resp: 4363777

Ion Ratio Lower Upper

128 100

127 12.8 10.5 15.7

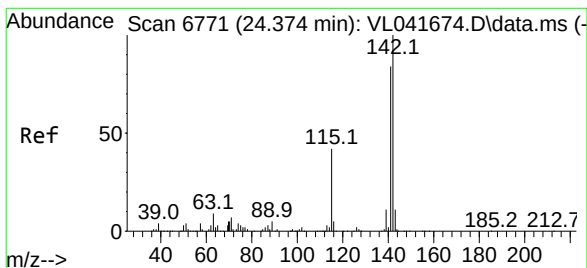
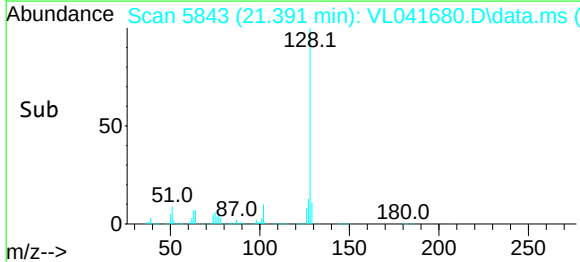
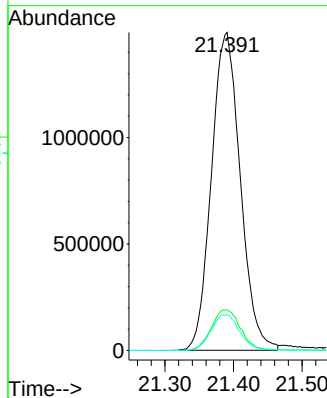
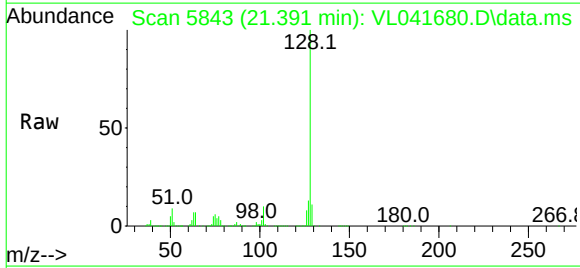
129 11.4 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024

Supervised By :Semsettin Yesilyurt 11/09/2024



#80

Naphthalene,2-methyl-

Concen: 23.129 ppbv m

RT: 24.374 min Scan# 6771

Delta R.T. 0.000 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

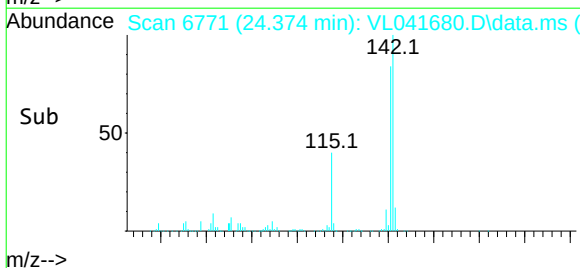
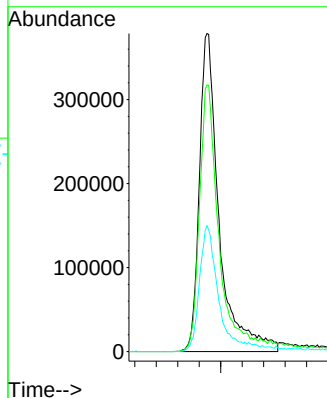
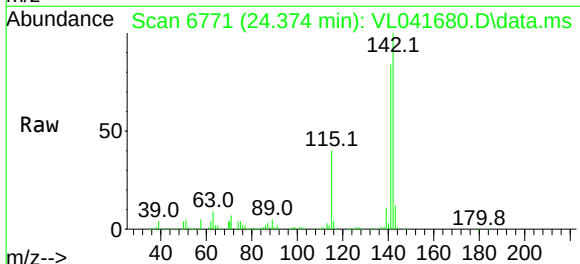
Tgt Ion:142 Resp: 967466

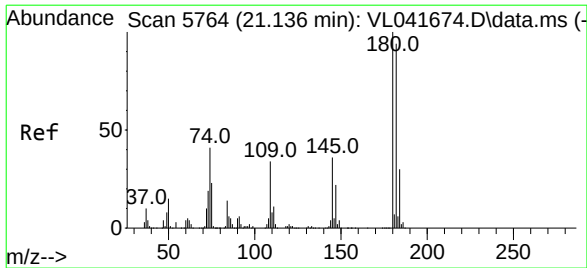
Ion Ratio Lower Upper

142 100

141 88.6 68.1 102.1

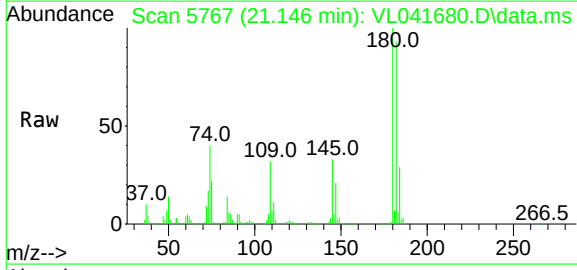
115 39.5 33.1 49.7





#81
1,2,4-Trichlorobenzene
Concen: 15.962 ppbv
RT: 21.146 min Scan# 5767
Delta R.T. 0.010 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

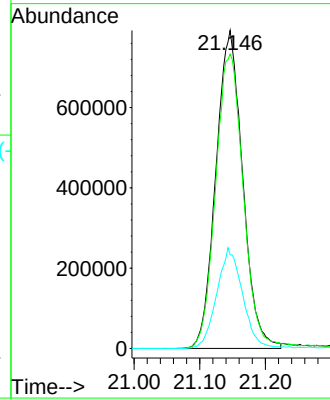
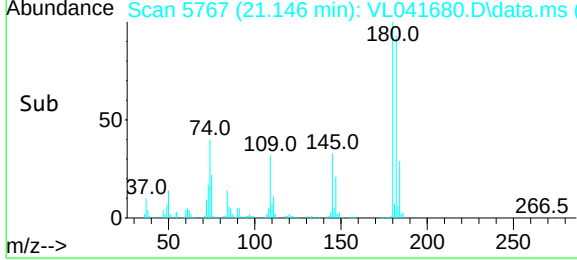


Tgt Ion:180 Resp: 2238509

Ion	Ratio	Lower	Upper
180	100		
182	98.0	78.2	117.2
184	30.9	25.0	37.4

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
 Data File : VL041681.D
 Acq On : 7 Nov 2024 14:51
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICSVVL110724

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024
 Supervised By :Semsettin Yesilyurt 11/09/2024

Quant Time: Nov 08 01:08:38 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Nov 08 01:01:00 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	1219218	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	3384840	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	3288136m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.780 95 2384630 9.843 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 98.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.732	85	1794893	8.145	ppbv	100
3) Chlorodifluoromethane	2.677	51	1429744	9.000	ppbv	99
4) Chloromethane	2.816	50	787537	9.359	ppbv	97
5) Vinyl Chloride	2.922	62	774506	10.232	ppbv	98
6) Bromomethane	3.121	94	379427	9.449	ppbv	98
7) Chloroethane	3.198	64	265929	9.626	ppbv	99
8) Dichlorotetrafluoroethane	2.861	85	1752691	8.910	ppbv	100
9) Propene	2.697	41	684685	9.892	ppbv	100
10) Heptane	7.581	43	1623259	10.465	ppbv	100
11) Trichlorofluoromethane	3.562	101	1715400	8.937	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.066	101	1286962	9.225	ppbv	100
13) Ethanol	3.253	45	41860m	9.876	ppbv	
14) Bromoethene	3.369	108	547085	9.755	ppbv	97
15) Acetone	3.468	43	1307631	8.715	ppbv	98
16) 1,3-Butadiene	2.986	39	762546	10.072	ppbv	98
17) tert-Butyl alcohol	3.877	59	1421835	10.798	ppbv	99
18) 1,1-Dichloroethene	3.880	96	589373	9.632	ppbv	95
19) Isopropyl Alcohol	3.578	45	762103	10.626	ppbv #	97
20) Methylene Chloride	3.934	84	490767	8.888	ppbv	98
21) Allyl Chloride	3.996	41	952403	10.272	ppbv	99
22) trans-1,2-Dichloroethene	4.446	96	602606	9.905	ppbv	100
23) Vinyl Acetate	4.629	43	659846	9.976	ppbv #	95
24) 1,1-Dichloroethane	4.565	63	1246280	9.177	ppbv	98
25) Ethyl Acetate	5.205	43	3059483	9.850	ppbv	100
26) Hexane	5.214	57	1221365	10.235	ppbv	97
27) Carbon Disulfide	4.124	76	1427544	10.648	ppbv	98
28) Methyl tert-Butyl Ether	4.587	73	764924	9.954	ppbv	99
29) Chloroform	5.275	83	1805559	9.167	ppbv	100
30) Cyclohexane	6.603	84	1036810	10.204	ppbv	99
31) cis-1,2-Dichloroethene	5.079	61	1190854	10.374	ppbv	100
32) 1,1,1-Trichloroethane	6.002	97	1797279	10.002	ppbv	100
34) 2-Butanone	4.787	43	1751089	10.390	ppbv	100
35) Carbon Tetrachloride	6.494	117	1829420	10.244	ppbv	100
36) Benzene	6.368	78	2560057	10.208	ppbv	99
37) 1,2-Dichloroethane	5.809	62	1376089	9.726	ppbv	99
38) Trichloroethene	7.291	130	1018788	10.577	ppbv	99
39) 1,2-Dichloropropane	7.073	63	983477	9.923	ppbv	96
40) 1,4-Dioxane	7.288	88	376201	10.579	ppbv #	1
41) Tetrahydrofuran	5.555	42	1065202	11.067	ppbv	99
42) Bromodichloromethane	7.253	83	1966589	10.002	ppbv	100
43) Methyl Methacrylate	7.475	69	1010315	11.473	ppbv	99
44) 2,2,4-Trimethylpentane	7.327	57	4253439	10.012	ppbv	99
45) t-1,3-Dichloropropene	8.712	75	979763	12.176	ppbv	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
 Data File : VL041681.D
 Acq On : 7 Nov 2024 14:51
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICSVVL110724

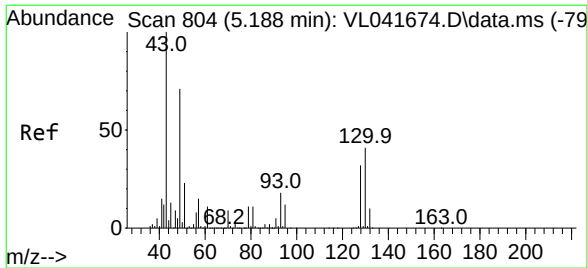
Quant Time: Nov 08 01:08:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Fri Nov 08 01:01:00 2024
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : Mahesh Dadoda 11/09/2024
 Supervised By : Semsettin Yesilyurt 11/09/2024

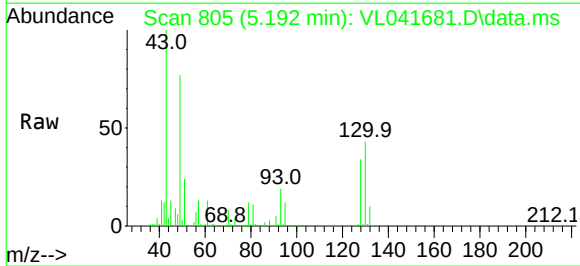
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.143	75	1335370	11.555	ppbv	99
47) 1,1,2-Trichloroethane	8.899	97	1027960	9.583	ppbv	99
48) Dibromochloromethane	9.712	129	1697504	10.410	ppbv	100
49) Bromoform	12.410	173	1467565	10.519	ppbv	99
50) 4-Methyl-2-Pentanone	8.182	43	2720056	10.513	ppbv	99
51) 2-Hexanone	9.552	43	2131991	11.315	ppbv #	98
52) Tetrachloroethene	10.613	164	931693	10.901	ppbv	97
53) Toluene	9.220	91	2900278	10.997	ppbv	99
54) 1,2-Dibromoethane	10.011	107	1383939	11.043	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.510	131	1248422	9.206	ppbv	99
57) Chlorobenzene	11.529	112	2237120	9.199	ppbv	100
58) Ethyl Benzene	12.092	91	3855683	10.696	ppbv	99
59) m/p-Xylene	12.375	91	6465658m	20.029	ppbv	
60) o-Xylene	13.060	91	3103973	10.084	ppbv	100
61) Styrene	12.896	104	1535856	12.089	ppbv	100
62) Isopropylbenzene	14.031	105	4605291	9.687	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.050	83	2141628	9.458	ppbv	100
64) n-propylbenzene	14.918	120	1242370	9.983	ppbv	100
65) tert-Butylbenzene	16.092	119	4128160	9.661	ppbv	100
66) Benzyl Chloride	16.326	91	333479	10.145	ppbv	99
67) sec-Butylbenzene	16.638	105	5771671	9.584	ppbv	100
69) p-Isopropyltoluene	16.998	119	4841188	9.944	ppbv	100
70) n-Butylbenzene	17.889	91	4961330	9.960	ppbv	99
71) 2-Chlorotoluene	14.799	91	3477879	10.121	ppbv	100
72) 4-Ethyltoluene	15.194	105	3765544	10.522	ppbv	99
73) 1,3,5-Trimethylbenzene	15.352	105	3164645	10.077	ppbv	99
74) 1,2,4-Trimethylbenzene	16.111	105	3509579	9.621	ppbv	95
75) 1,3-Dichlorobenzene	16.333	146	2153016	9.530	ppbv	99
76) 1,4-Dichlorobenzene	16.474	146	2087766	9.578	ppbv	99
77) 1,2-Dichlorobenzene	17.146	146	2076942	9.280	ppbv #	70
78) Hexachloro-1,3-Butadiene	22.635	225	1380777	7.801	ppbv	100
79) Naphthalene	21.384	128	2753473	12.229	ppbv	99
80) Naphthalene,2-methyl-	24.374	142	582436	11.866	ppbv	93
81) 1,2,4-Trichlorobenzene	21.143	180	1413820	9.985	ppbv	100

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. 0.004 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

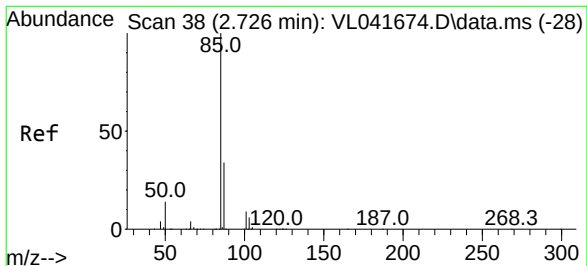
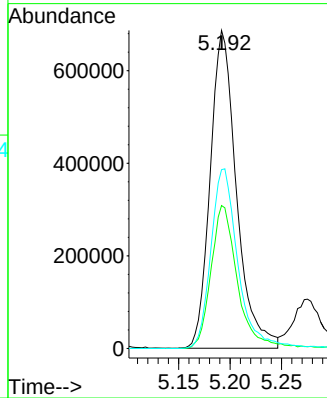
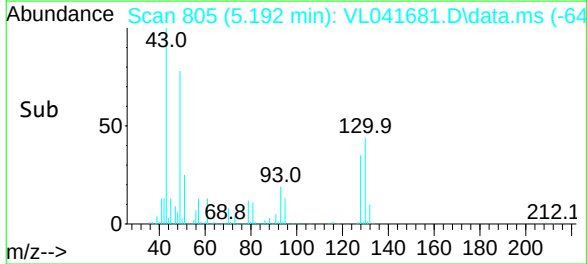
Instrument :
MSVOA_L
ClientSampleId :
ICVVL110724



Tgt Ion: 49 Resp: 1219218
Ion Ratio Lower Upper
49 100
128 46.0 23.8 71.2
130 59.2 30.1 90.5

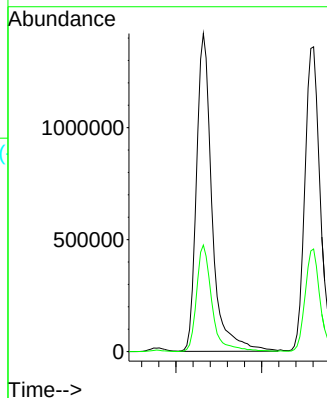
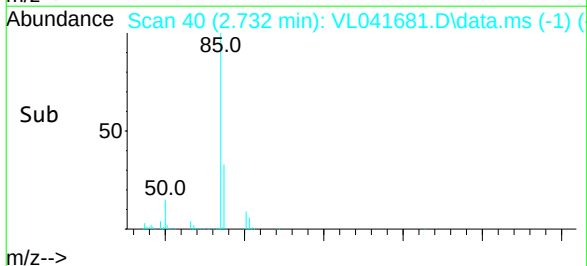
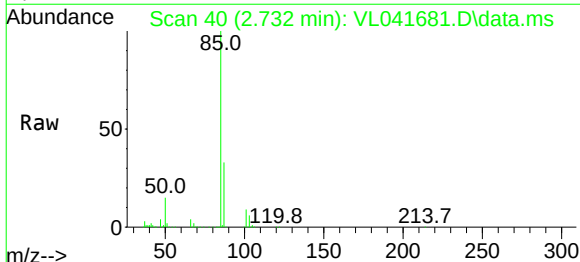
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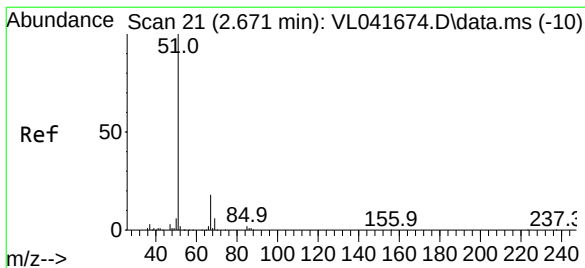
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#2
Dichlorodifluoromethane
Concen: 8.145 ppbv
RT: 2.732 min Scan# 40
Delta R.T. 0.006 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

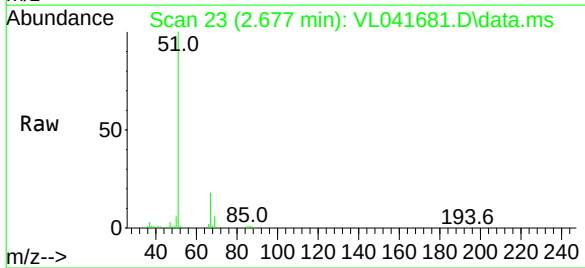
Tgt Ion: 85 Resp: 1794893
Ion Ratio Lower Upper
85 100
87 33.5 26.8 40.2





#3
Chlorodifluoromethane
Concen: 9.000 ppbv
RT: 2.677 min Scan# 23
Delta R.T. 0.006 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

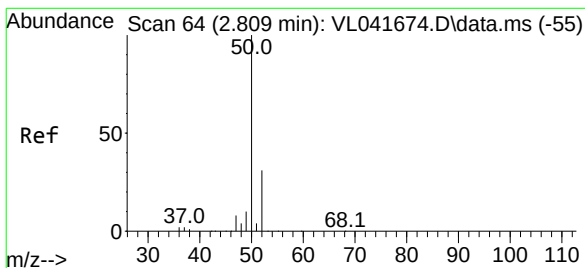
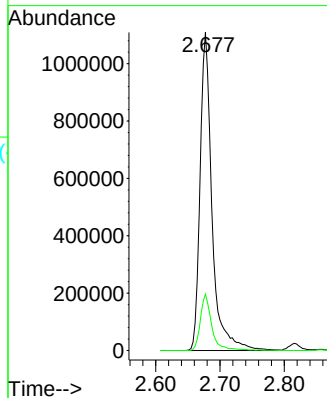
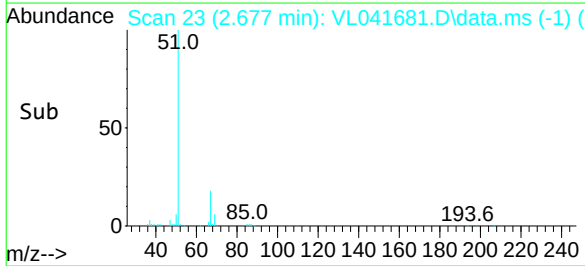
Instrument :
MSVOA_L
ClientSampleId :
ICVVL110724



Tgt Ion: 51 Resp: 1429744
Ion Ratio Lower Upper
51 100
67 17.1 13.9 20.9

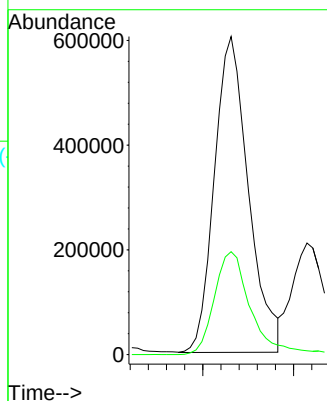
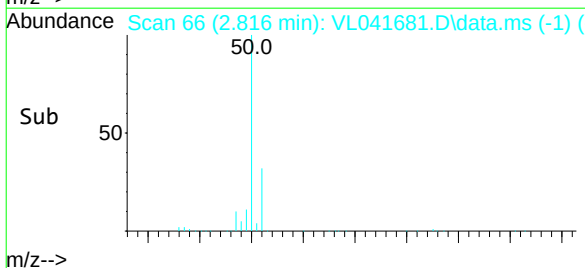
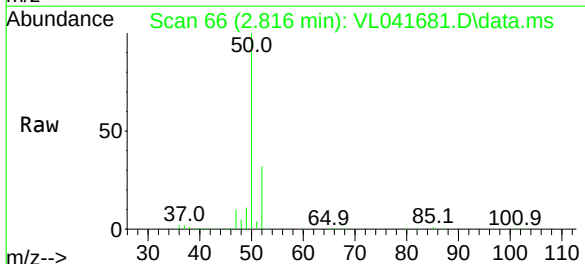
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APPROVED

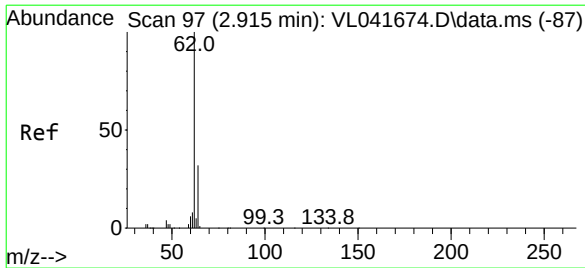
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#4
Chloromethane
Concen: 9.359 ppbv
RT: 2.816 min Scan# 66
Delta R.T. 0.006 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

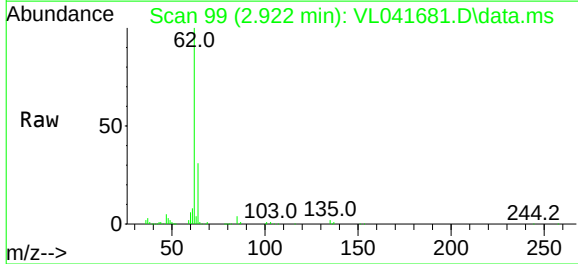
Tgt Ion: 50 Resp: 787537
Ion Ratio Lower Upper
50 100
52 32.6 24.9 37.3





#5
 Vinyl Chloride
 Concen: 10.232 ppbv
 RT: 2.922 min Scan# 99
 Delta R.T. 0.006 min
 Lab File: VL041681.D
 Acq: 7 Nov 2024 14:51

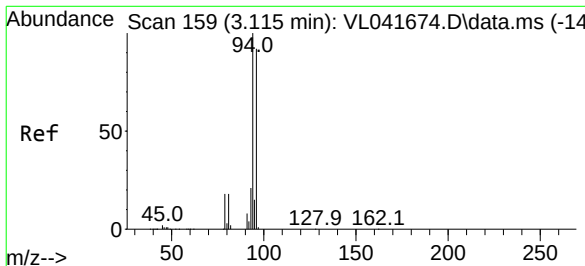
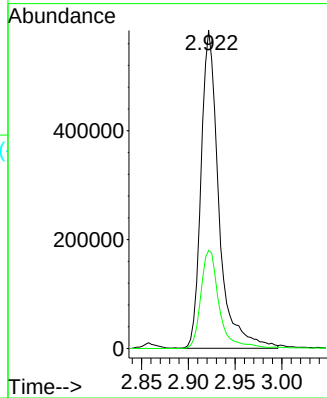
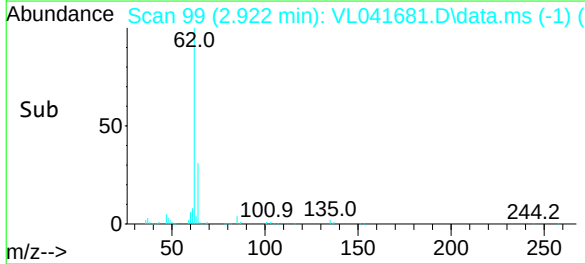
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL110724



Tgt Ion: 62 Resp: 774506
 Ion Ratio Lower Upper
 62 100
 64 30.9 25.4 38.2

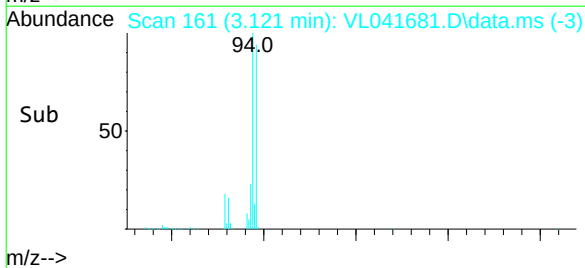
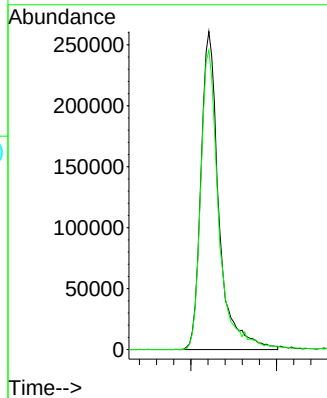
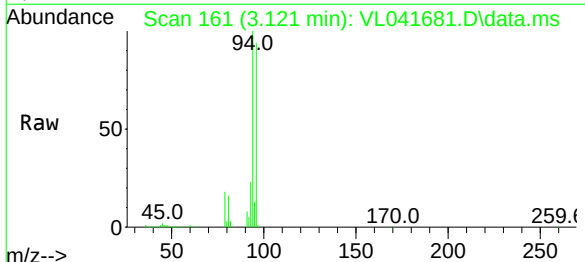
Manual Integrations
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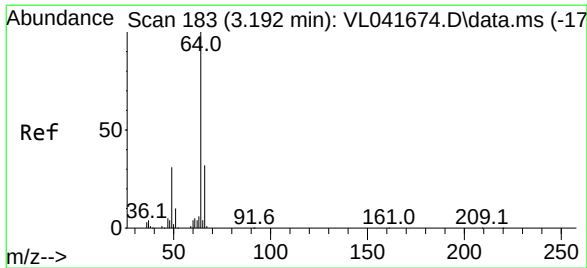
Reviewed By :Mahesh Dadoda 11/09/2024
 Supervised By :Semsettin Yesilyurt 11/09/2024



#6
 Bromomethane
 Concen: 9.449 ppbv
 RT: 3.121 min Scan# 161
 Delta R.T. 0.006 min
 Lab File: VL041681.D
 Acq: 7 Nov 2024 14:51

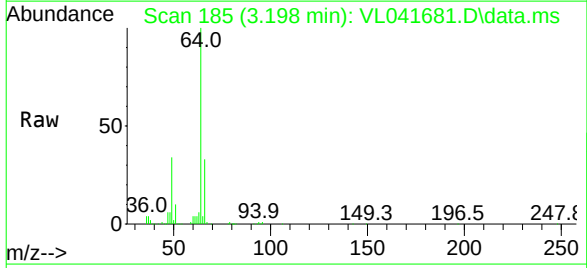
Tgt Ion: 94 Resp: 379427
 Ion Ratio Lower Upper
 94 100
 96 94.1 73.4 110.2





#7
Chloroethane
Concen: 9.626 ppbv
RT: 3.198 min Scan# 18
Delta R.T. 0.006 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

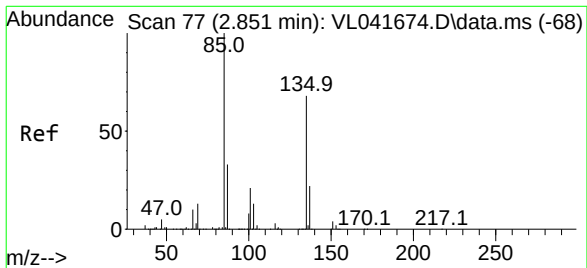
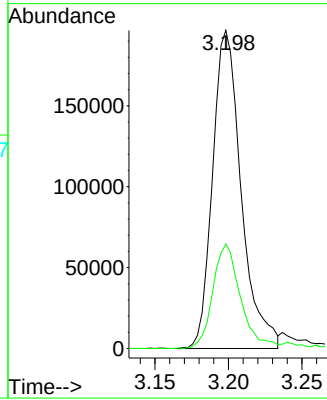
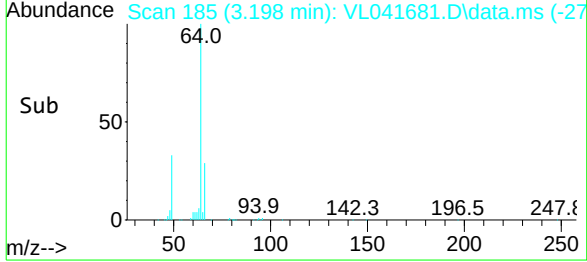
Instrument :
MSVOA_L
ClientSampleId :
ICVVL110724



Tgt Ion: 64 Resp: 265929
Ion Ratio Lower Upper
64 100
66 32.9 25.9 38.9

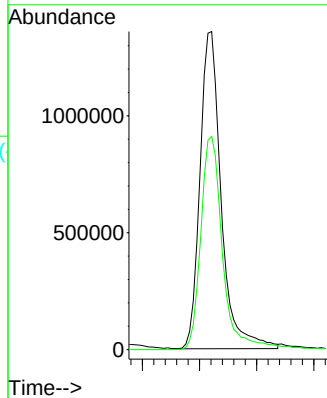
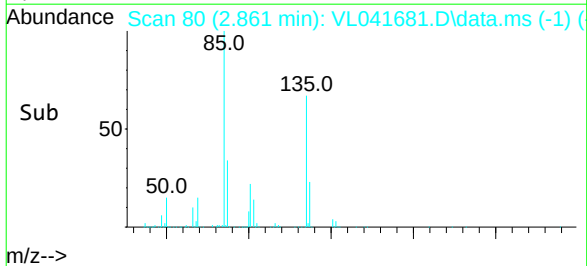
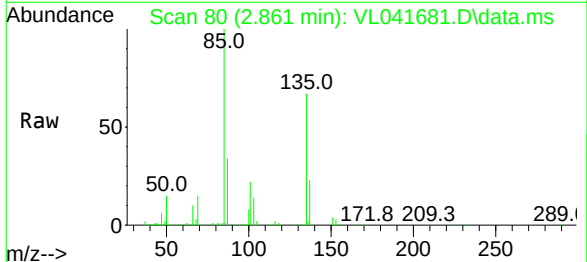
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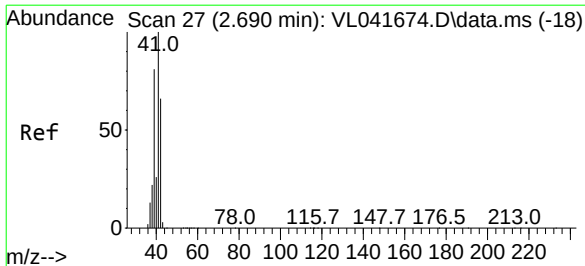
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#8
Dichlorotetrafluoroethane
Concen: 8.910 ppbv
RT: 2.861 min Scan# 80
Delta R.T. 0.010 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

Tgt Ion: 85 Resp: 1752691
Ion Ratio Lower Upper
85 100
135 69.6 55.5 83.3





#9

Propene

Concen: 9.892 ppbv

RT: 2.697 min Scan# 29

Delta R.T. 0.006 min

Lab File: VL041681.D

Acq: 7 Nov 2024 14:51

Instrument :

MSVOA_L

ClientSampleId :

ICVVL110724

Tgt Ion: 41 Resp: 684685

Ion Ratio Lower Upper

41 100

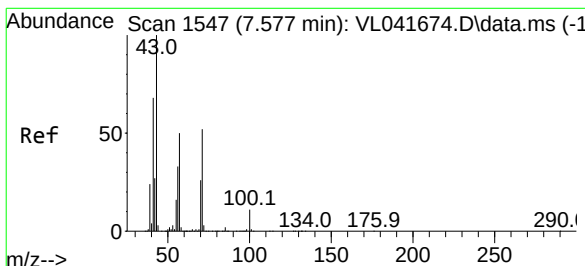
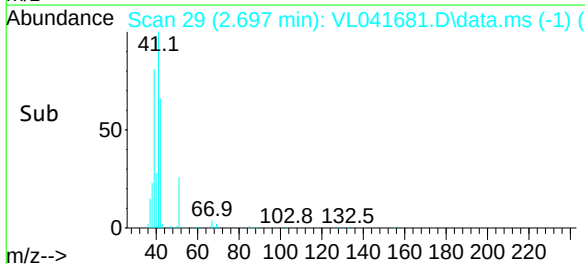
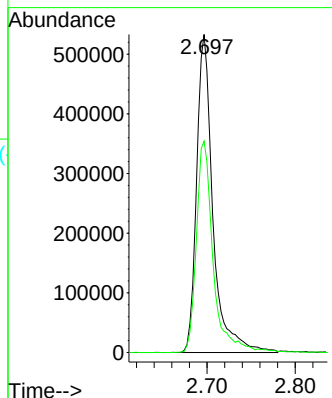
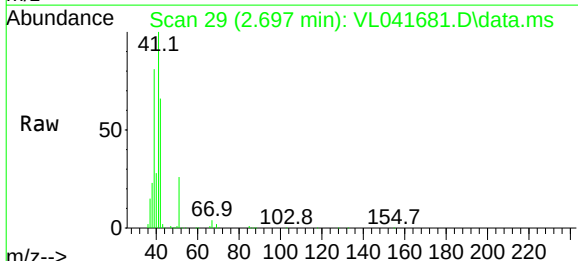
42 68.9 55.0 82.4

Manual Integrations

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Reviewed By :Mahesh Dadoda 11/09/2024

Supervised By :Semsettin Yesilyurt 11/09/2024



#10

Heptane

Concen: 10.465 ppbv

RT: 7.581 min Scan# 1548

Delta R.T. 0.003 min

Lab File: VL041681.D

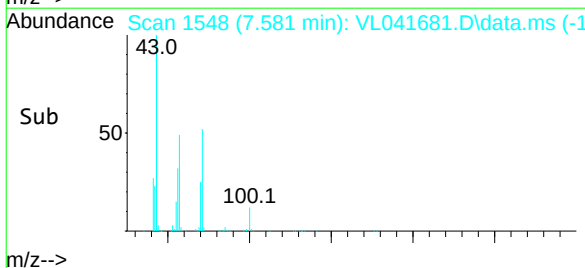
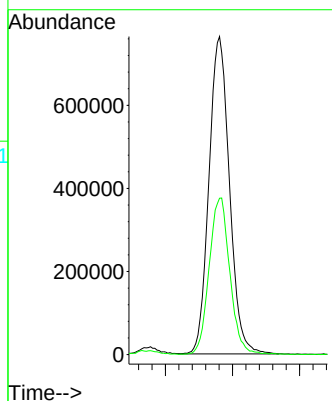
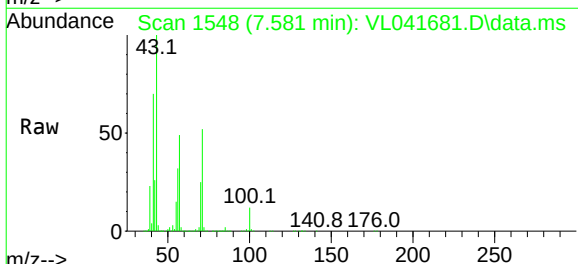
Acq: 7 Nov 2024 14:51

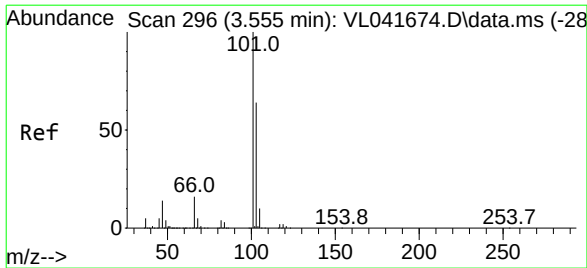
Tgt Ion: 43 Resp: 1623259

Ion Ratio Lower Upper

43 100

57 49.9 40.0 60.0





#11
Trichlorofluoromethane
Concen: 8.937 ppbv
RT: 3.562 min Scan# 296
Delta R.T. 0.006 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

Instrument :

MSVOA_L

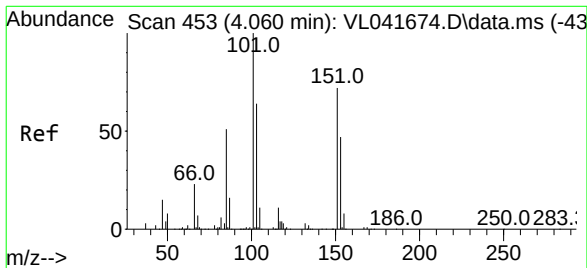
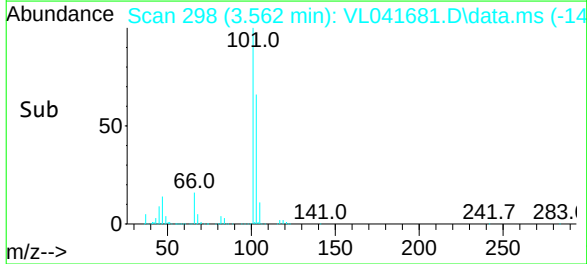
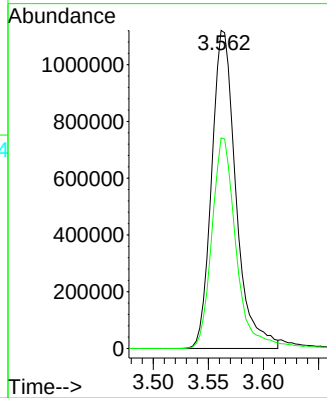
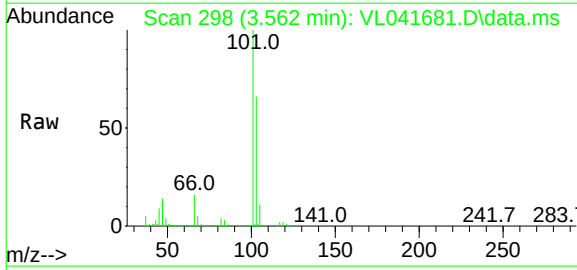
ClientSampleId :

ICVVL110724

Tgt Ion:101 Resp: 1715400
Ion Ratio Lower Upper
101 100
103 66.2 51.0 76.6

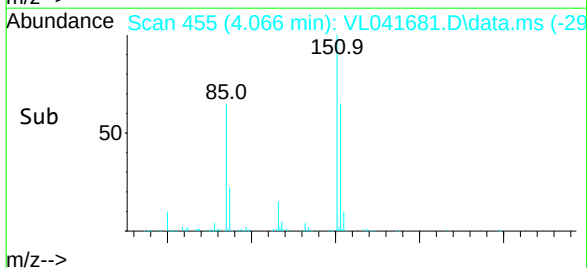
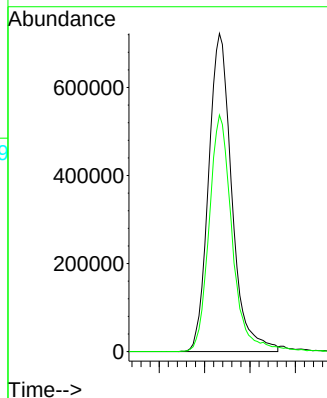
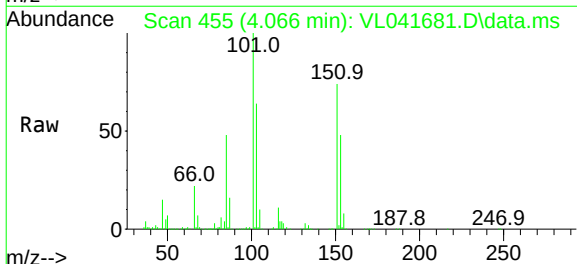
Manual Integrations
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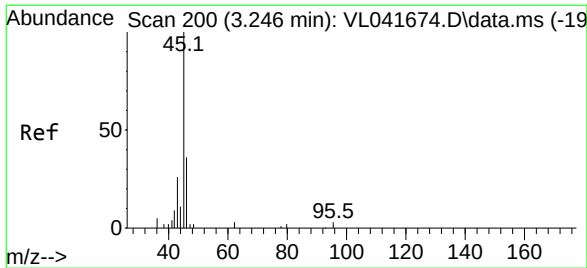
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.225 ppbv
RT: 4.066 min Scan# 455
Delta R.T. 0.006 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

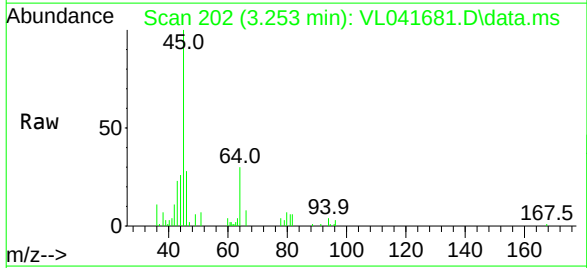
Tgt Ion:101 Resp: 1286962
Ion Ratio Lower Upper
101 100
151 74.1 59.1 88.7





#13
Ethanol
Concen: 9.876 ppbv m
RT: 3.253 min Scan# 20
Delta R.T. 0.006 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

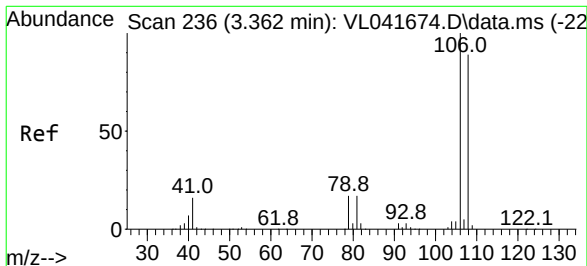
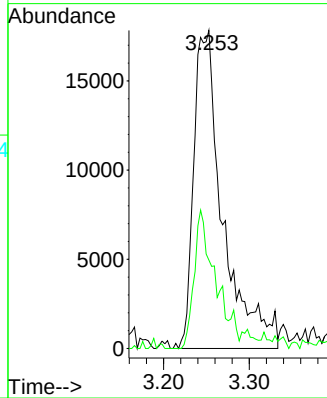
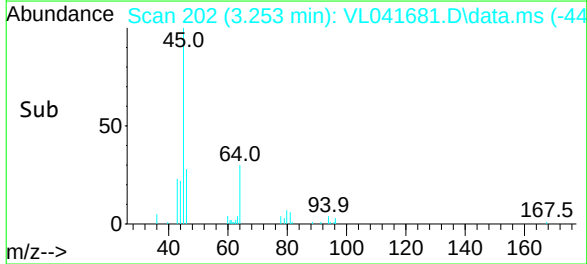
Instrument :
MSVOA_L
ClientSampleId :
ICVVL110724



Tgt Ion: 45 Resp: 41860
Ion Ratio Lower Upper
45 100
46 0.0 13.8 55.2#

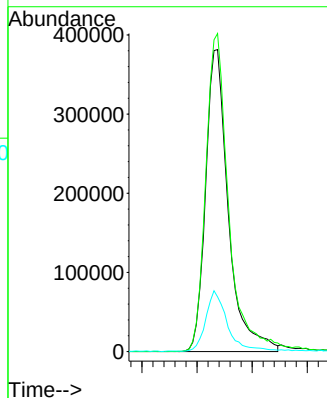
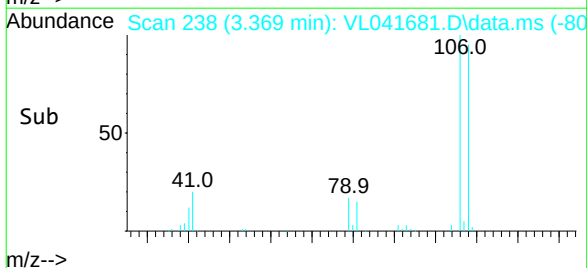
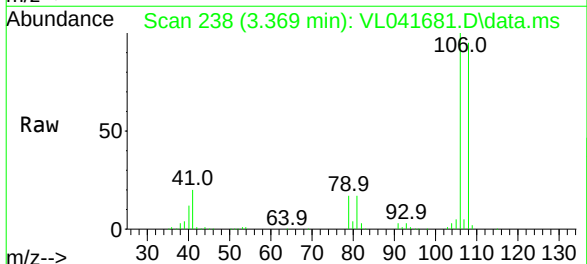
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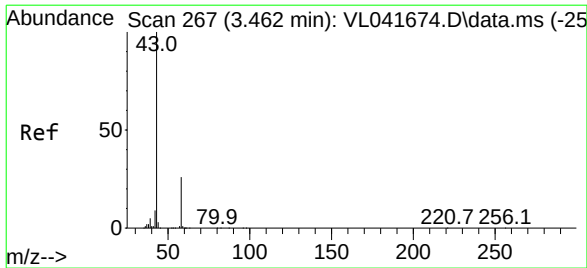
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#14
Bromoethene
Concen: 9.755 ppbv
RT: 3.369 min Scan# 238
Delta R.T. 0.006 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

Tgt Ion:108 Resp: 547085
Ion Ratio Lower Upper
108 100
106 107.9 88.6 133.0
79 20.5 15.6 23.4





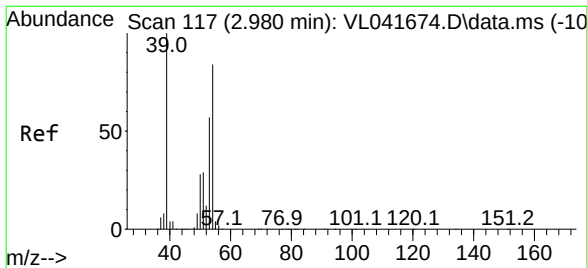
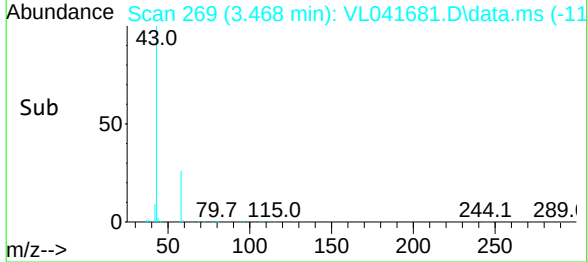
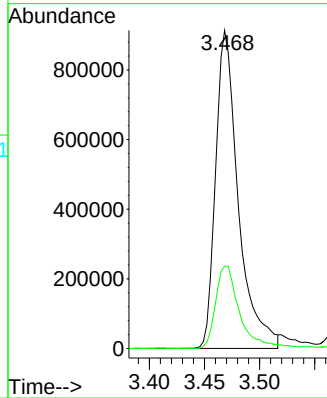
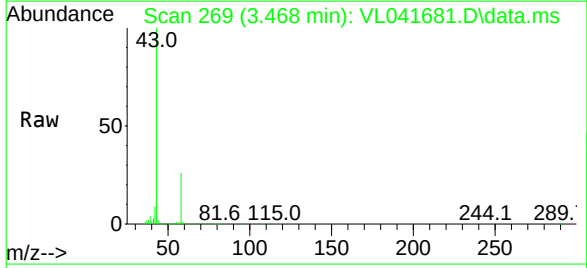
#15
Acetone
Concen: 8.715 ppbv
RT: 3.468 min Scan# 267
Delta R.T. 0.006 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

Instrument :
MSVOA_L
ClientSampleId :
ICVVL110724

Tgt Ion: 43 Resp: 1307631
Ion Ratio Lower Upper
43 100
58 27.9 21.4 32.0

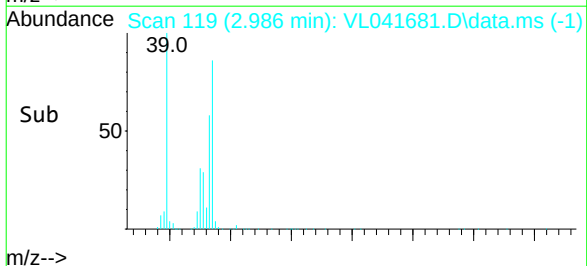
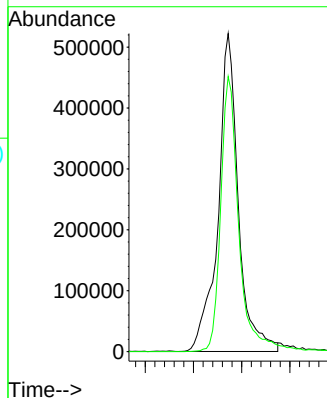
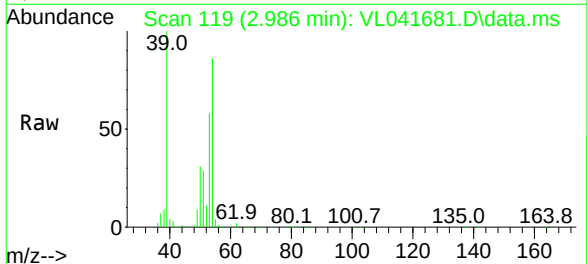
Manual Integrations
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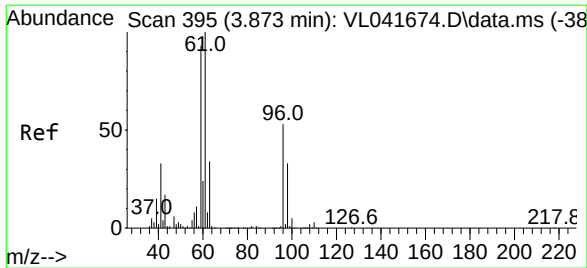
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#16
1,3-Butadiene
Concen: 10.072 ppbv
RT: 2.986 min Scan# 119
Delta R.T. 0.006 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

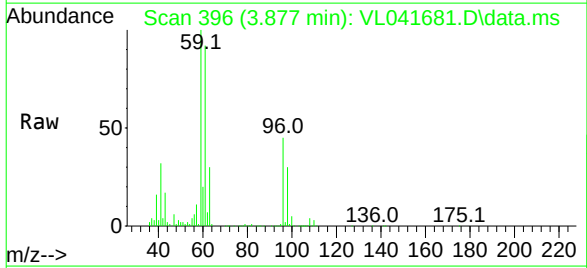
Tgt Ion: 39 Resp: 762546
Ion Ratio Lower Upper
39 100
54 78.2 61.3 91.9





#17
tert-Butyl alcohol
Concen: 10.798 ppbv
RT: 3.877 min Scan# 395
Delta R.T. 0.003 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

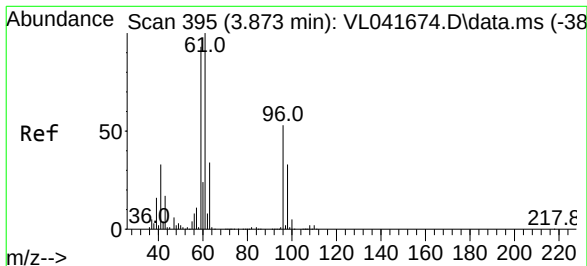
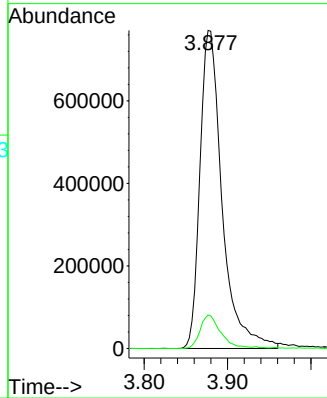
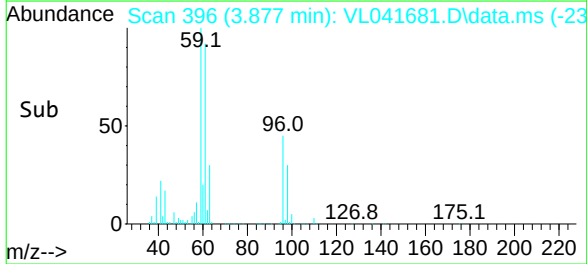
Instrument :
MSVOA_L
ClientSampleId :
ICVVL110724



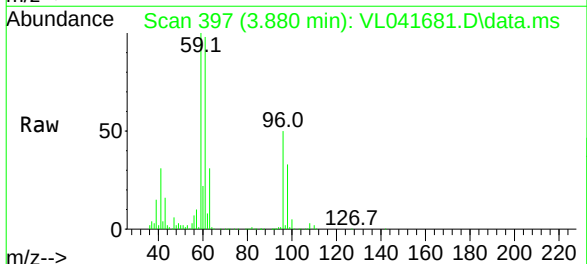
Tgt Ion: 59 Resp: 1421835
Ion Ratio Lower Upper
59 100
57 10.3 8.5 12.7

Manual Integrations
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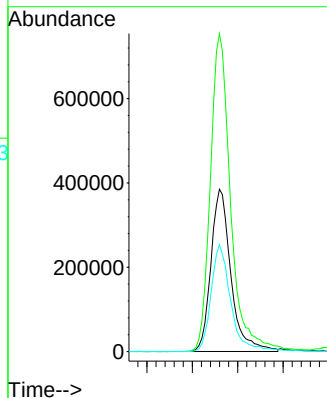
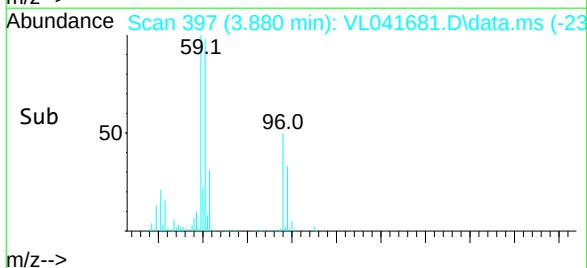
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024

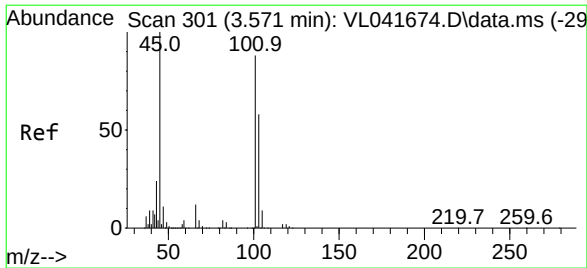


#18
1,1-Dichloroethene
Concen: 9.632 ppbv
RT: 3.880 min Scan# 397
Delta R.T. 0.006 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51



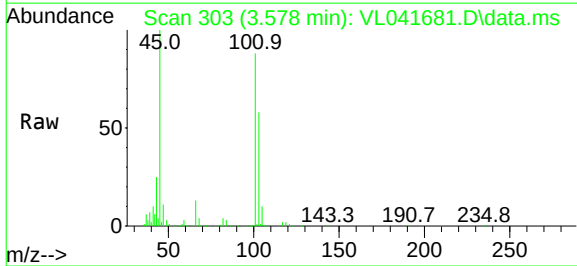
Tgt Ion: 96 Resp: 589373
Ion Ratio Lower Upper
96 100
61 196.0 150.7 226.1
98 65.9 49.4 74.2





#19
Isopropyl Alcohol
Concen: 10.626 ppbv
RT: 3.578 min Scan# 301
Delta R.T. 0.006 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

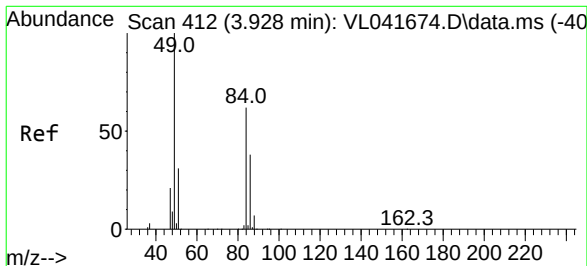
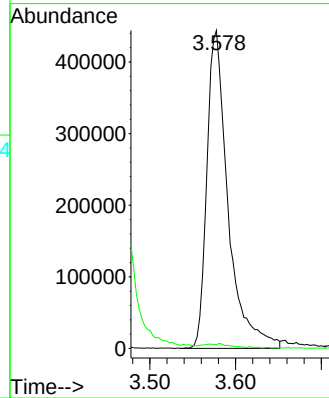
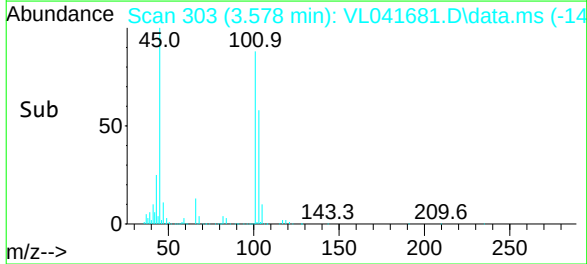
Instrument :
MSVOA_L
ClientSampleId :
ICVVL110724



Tgt Ion: 45 Resp: 762103
Ion Ratio Lower Upper
45 100
58 1.9 2.5 3.7#

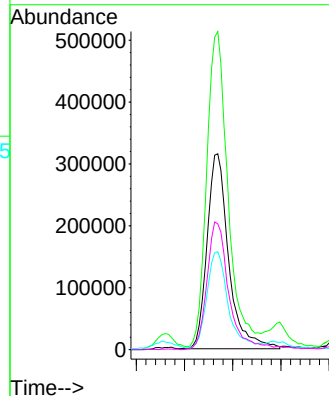
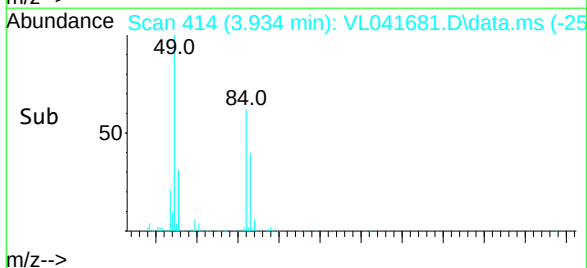
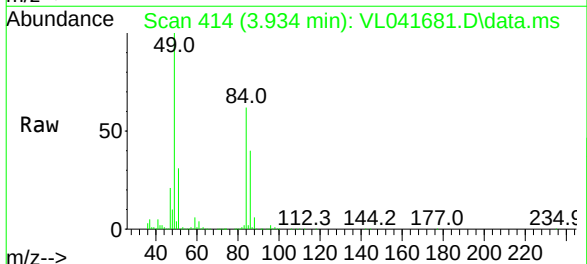
Manual Integrations
APPROVED

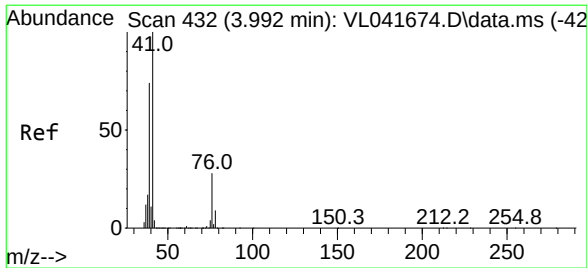
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#20
Methylene Chloride
Concen: 8.888 ppbv
RT: 3.934 min Scan# 414
Delta R.T. 0.006 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

Tgt Ion: 84 Resp: 490767
Ion Ratio Lower Upper
84 100
49 160.5 129.7 194.5
51 48.5 39.8 59.6
86 64.5 49.1 73.7





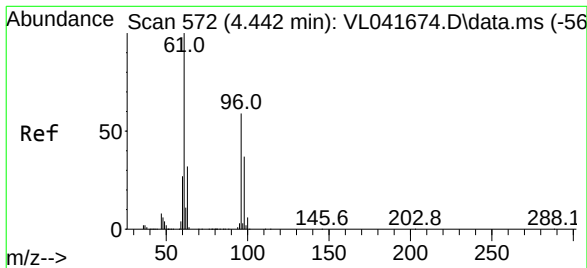
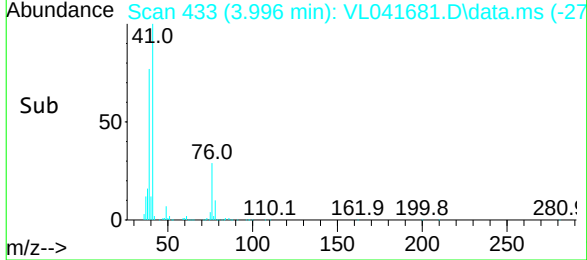
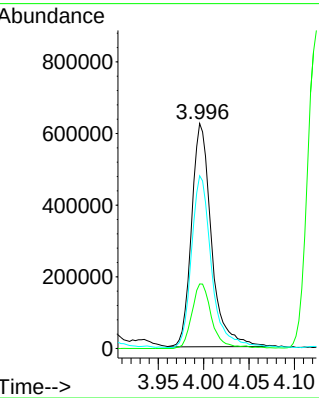
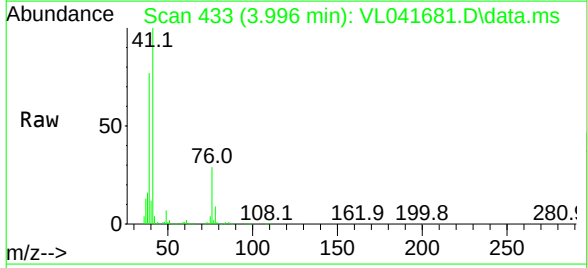
#21
Allyl Chloride
Concen: 10.272 ppbv
RT: 3.996 min Scan# 432
Delta R.T. 0.003 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

Instrument : MSVOA_L
ClientSampleId : ICVVL110724

Tgt Ion: 41 Resp: 952403
Ion Ratio Lower Upper
41 100
76 29.3 23.5 35.3
39 78.0 63.0 94.4

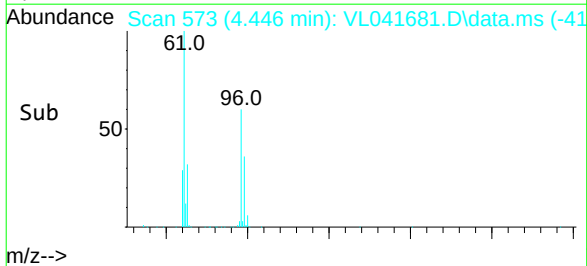
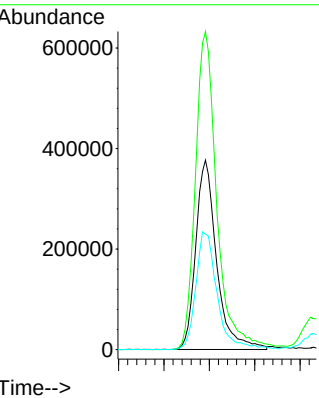
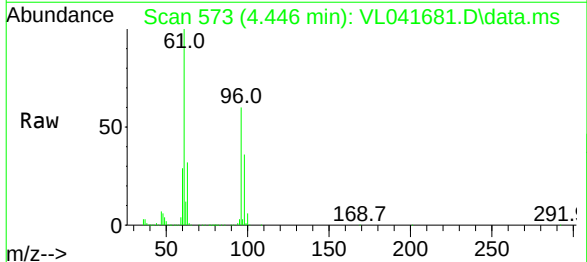
Manual Integrations
APPROVED

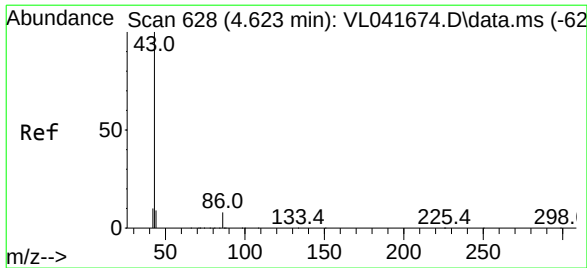
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#22
trans-1,2-Dichloroethene
Concen: 9.905 ppbv
RT: 4.446 min Scan# 573
Delta R.T. 0.003 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

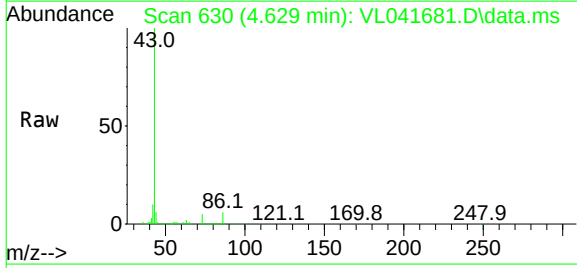
Tgt Ion: 96 Resp: 602606
Ion Ratio Lower Upper
96 100
61 167.9 134.5 201.7
98 60.9 49.6 74.4





#23
Vinyl Acetate
Concen: 9.976 ppbv
RT: 4.629 min Scan# 63
Delta R.T. 0.006 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

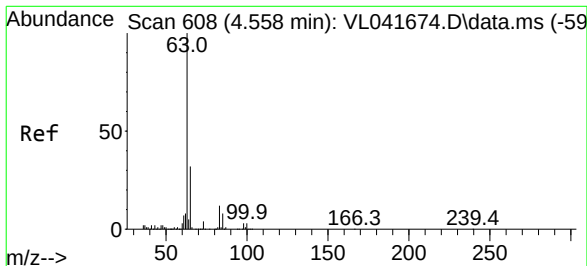
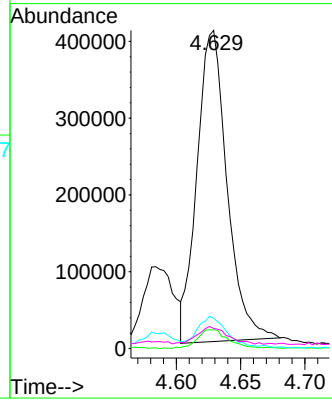
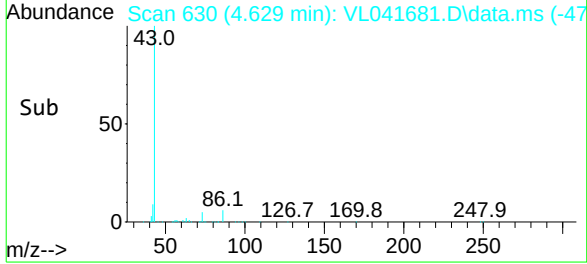
Instrument :
MSVOA_L
ClientSampleId :
ICVVL110724



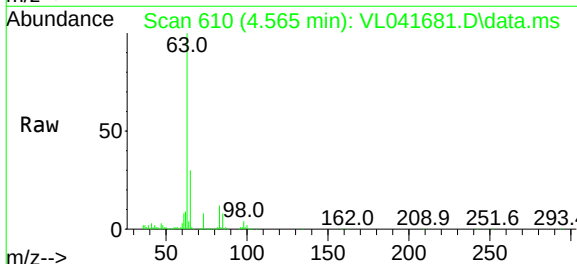
Tgt Ion: 43 Resp: 659846
Ion Ratio Lower Upper
43 100
86 5.9 5.3 7.9
42 9.3 8.5 12.7
44 4.8 6.7 10.1#

Manual Integrations
APPROVED

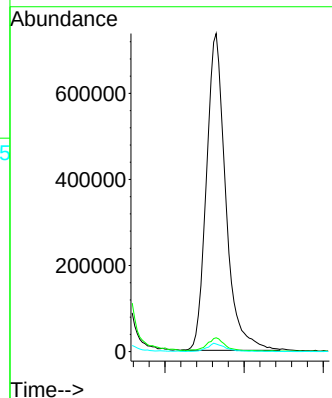
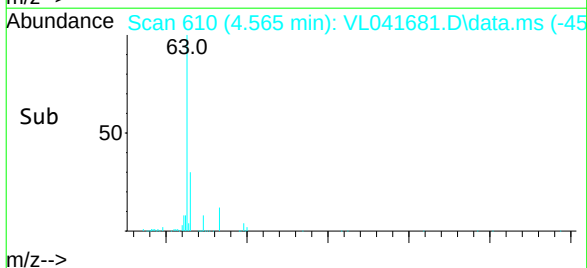
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024

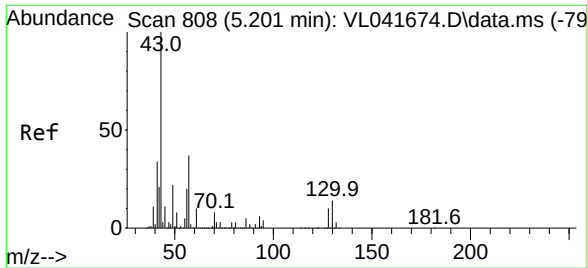


#24
1,1-Dichloroethane
Concen: 9.177 ppbv
RT: 4.565 min Scan# 610
Delta R.T. 0.006 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51



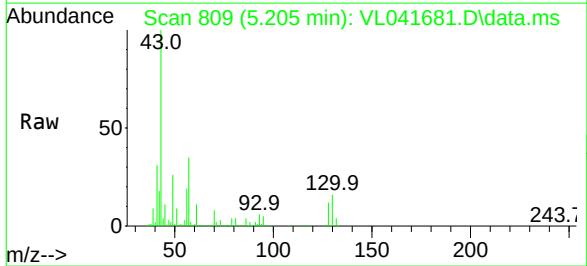
Tgt Ion: 63 Resp: 1246280
Ion Ratio Lower Upper
63 100
98 4.2 1.8 5.4
100 2.3 1.4 4.2





#25
Ethyl Acetate
Concen: 9.850 ppbv
RT: 5.205 min Scan# 808
Delta R.T. 0.003 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

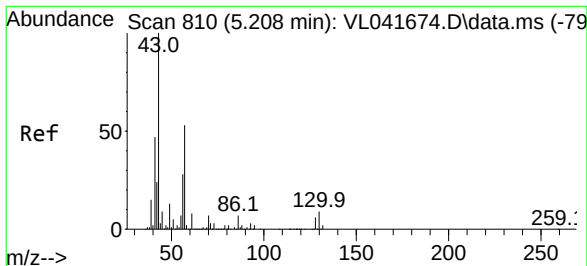
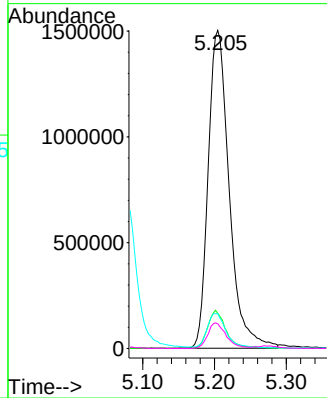
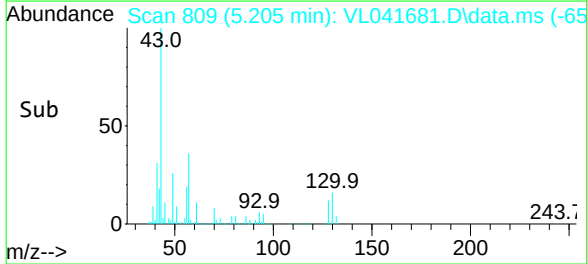
Instrument :
MSVOA_L
ClientSampleId :
ICVVL110724



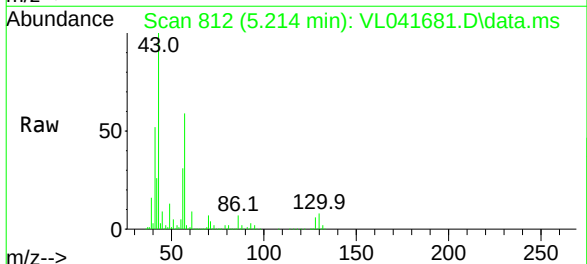
Tgt Ion: 43 Resp: 3059483
Ion Ratio Lower Upper
43 100
45 10.7 8.6 13.0
61 10.6 8.4 12.6
70 7.1 5.8 8.6

Manual Integrations
APPROVED

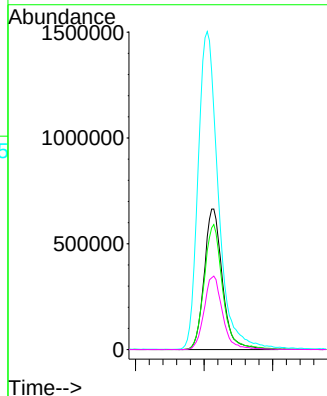
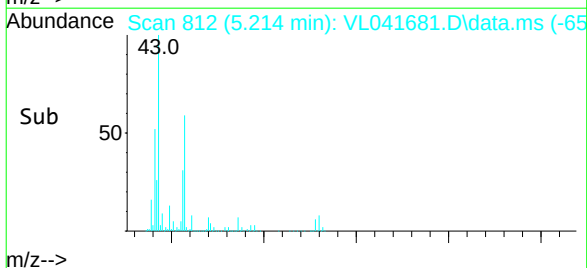
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024

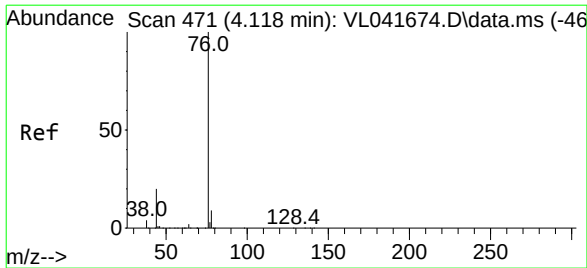


#26
Hexane
Concen: 10.235 ppbv
RT: 5.214 min Scan# 812
Delta R.T. 0.006 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51



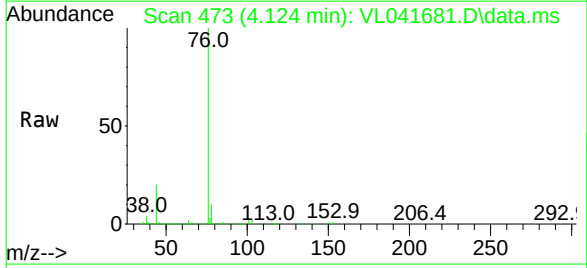
Tgt Ion: 57 Resp: 1221365
Ion Ratio Lower Upper
57 100
41 91.4 76.1 114.1
43 252.9 207.0 310.6
56 53.4 43.7 65.5





#27
Carbon Disulfide
Concen: 10.648 ppbv
RT: 4.124 min Scan# 471
Delta R.T. 0.006 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

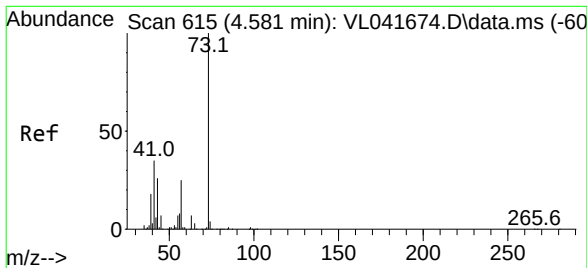
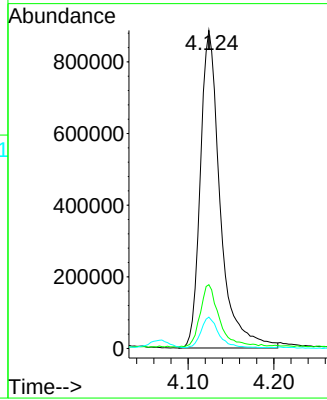
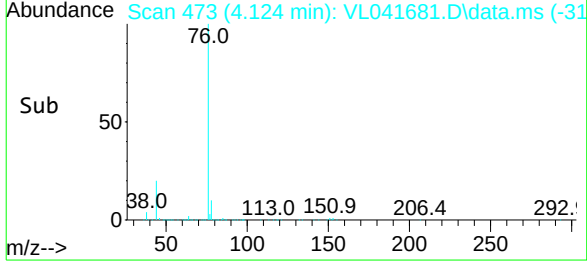
Instrument :
MSVOA_L
ClientSampleId :
ICVVL110724



Tgt Ion: 76 Resp: 1427544
Ion Ratio Lower Upper
76 100
44 20.5 15.8 23.8
78 10.0 7.5 11.3

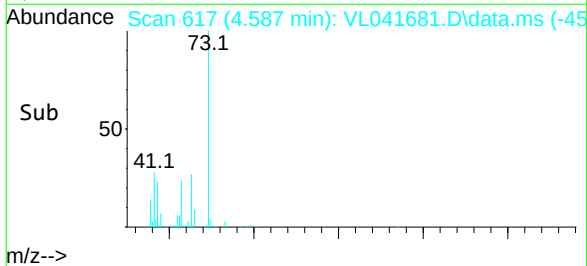
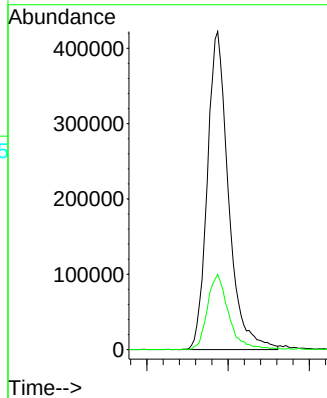
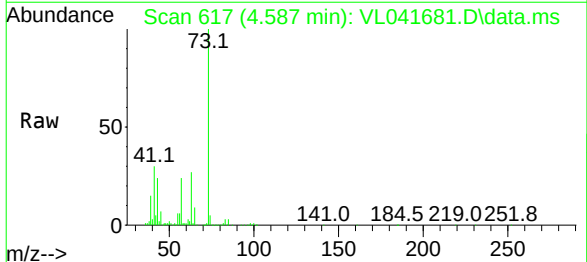
Manual Integrations
APPROVED

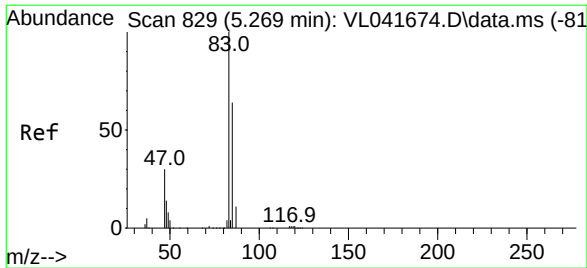
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#28
Methyl tert-Butyl Ether
Concen: 9.954 ppbv
RT: 4.587 min Scan# 617
Delta R.T. 0.006 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

Tgt Ion: 73 Resp: 764924
Ion Ratio Lower Upper
73 100
57 23.9 19.6 29.4





#29

Chloroform

Concen: 9.167 ppbv

RT: 5.275 min Scan# 83

Delta R.T. 0.006 min

Lab File: VL041681.D

Acq: 7 Nov 2024 14:51

Instrument :

MSVOA_L

ClientSampleId :

ICVVL110724

Tgt Ion: 83 Resp: 1805559

Ion Ratio Lower Upper

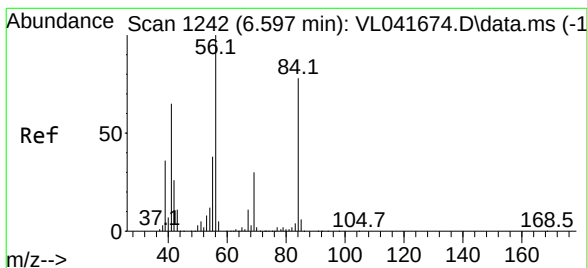
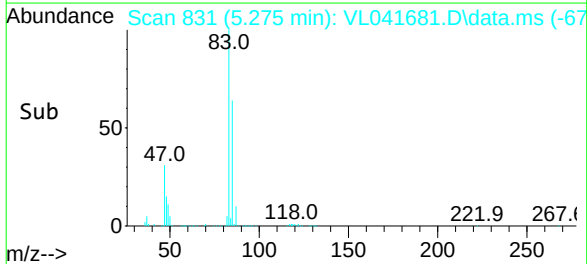
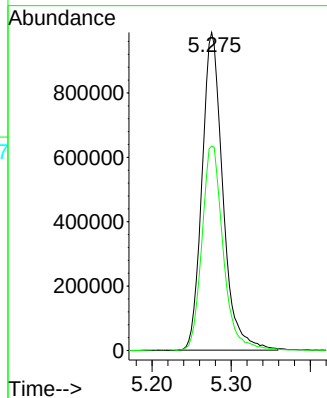
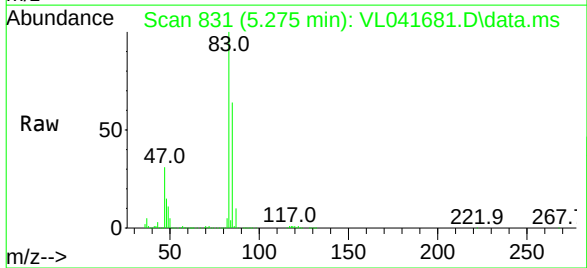
83 100

85 64.2 51.1 76.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#30

Cyclohexane

Concen: 10.204 ppbv

RT: 6.603 min Scan# 1244

Delta R.T. 0.006 min

Lab File: VL041681.D

Acq: 7 Nov 2024 14:51

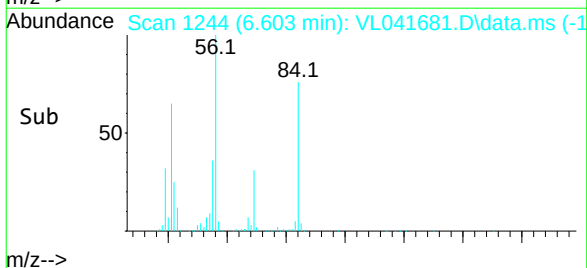
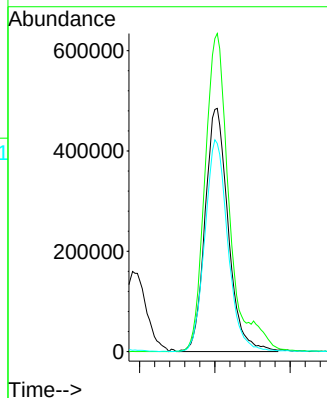
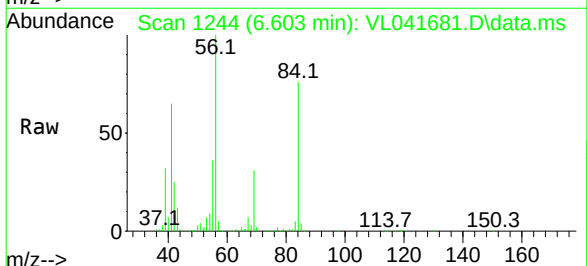
Tgt Ion: 84 Resp: 1036810

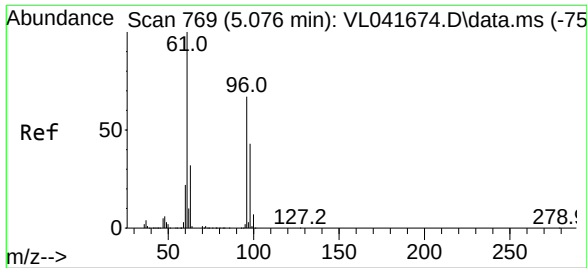
Ion Ratio Lower Upper

84 100

56 138.2 110.8 166.2

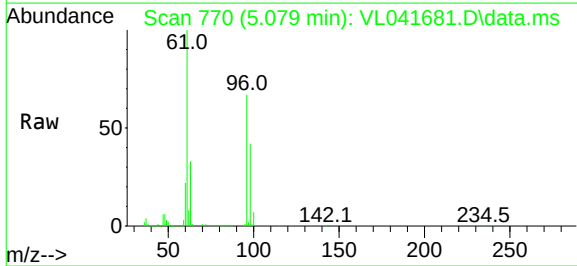
41 86.7 70.0 105.0





#31
cis-1,2-Dichloroethene
Concen: 10.374 ppbv
RT: 5.079 min Scan# 77
Delta R.T. 0.003 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

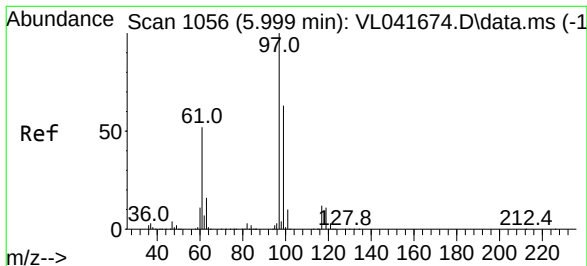
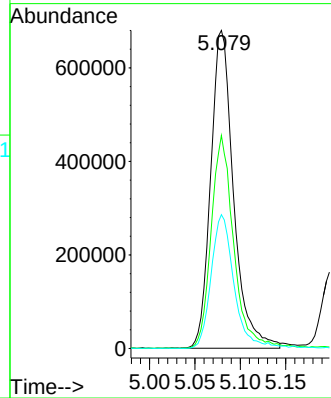
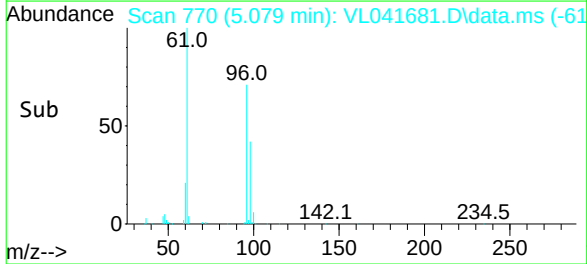
Instrument :
MSVOA_L
ClientSampleId :
ICVVL110724



Tgt Ion: 61 Resp: 1190854
Ion Ratio Lower Upper
61 100
96 67.0 53.4 80.2
98 42.1 34.0 51.0

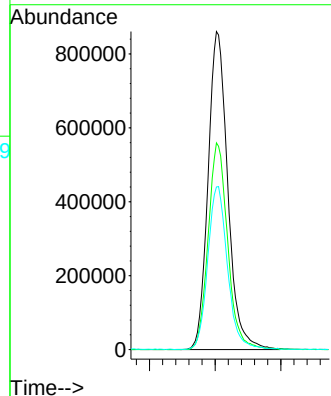
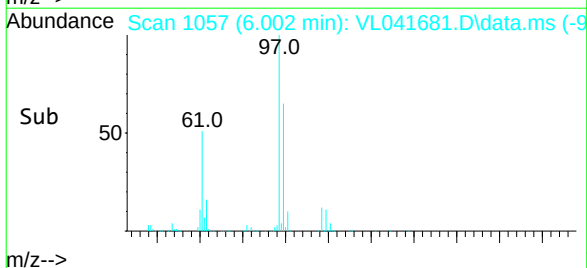
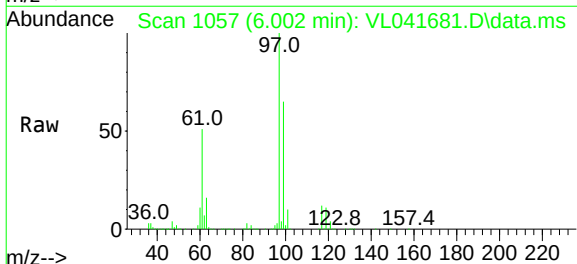
Manual Integrations
APPROVED

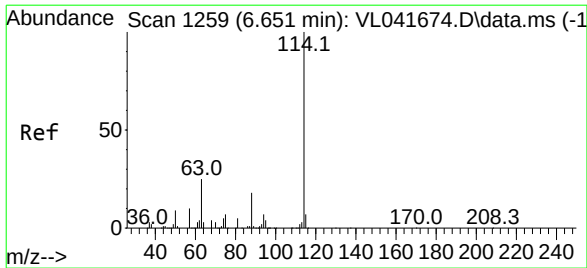
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#32
1,1,1-Trichloroethane
Concen: 10.002 ppbv
RT: 6.002 min Scan# 1057
Delta R.T. 0.003 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

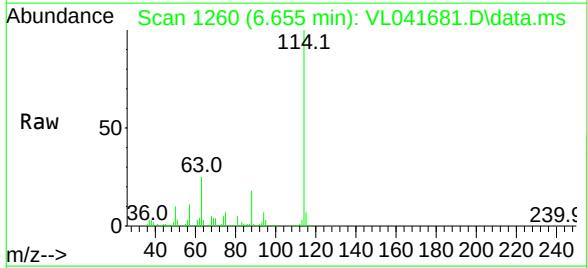
Tgt Ion: 97 Resp: 1797279
Ion Ratio Lower Upper
97 100
99 64.4 51.4 77.2
61 51.4 41.7 62.5





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.655 min Scan# 1259
Delta R.T. 0.003 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

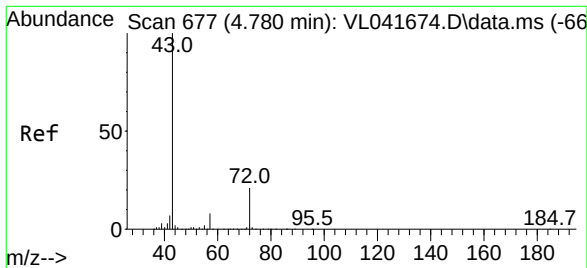
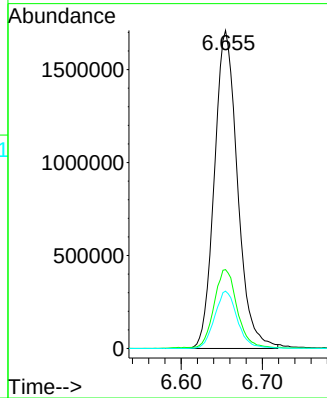
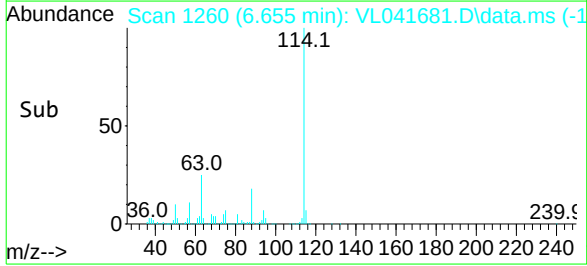
Instrument :
MSVOA_L
ClientSampleId :
ICVVL110724



Tgt Ion:114 Resp: 3384840
Ion Ratio Lower Upper
114 100
63 25.4 20.3 30.5
88 17.9 14.2 21.4

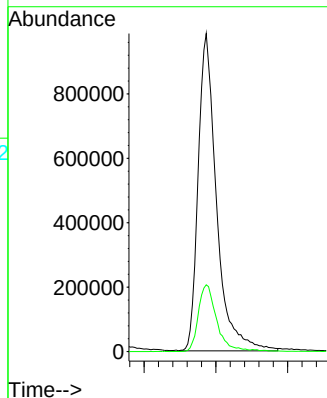
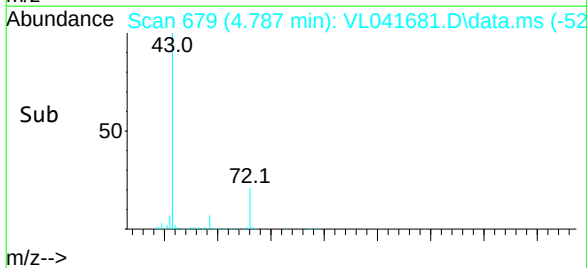
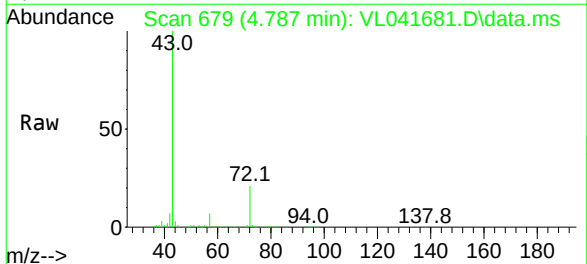
Manual Integrations
APPROVED

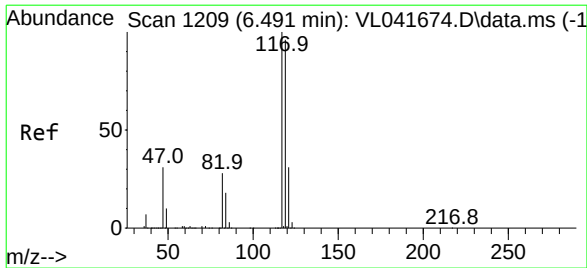
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#34
2-Butanone
Concen: 10.390 ppbv
RT: 4.787 min Scan# 679
Delta R.T. 0.006 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

Tgt Ion: 43 Resp: 1751089
Ion Ratio Lower Upper
43 100
72 21.6 17.4 26.0





#35

Carbon Tetrachloride

Concen: 10.244 ppbv

RT: 6.494 min Scan# 12

Delta R.T. 0.003 min

Lab File: VL041681.D

Acq: 7 Nov 2024 14:51

Instrument :

MSVOA_L

ClientSampleId :

ICVVL110724

Tgt Ion:117 Resp: 1829420

Ion Ratio Lower Upper

117 100

119 96.4 77.2 115.8

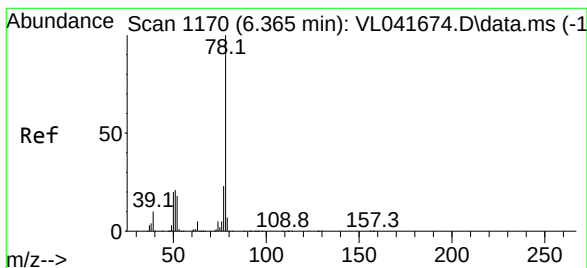
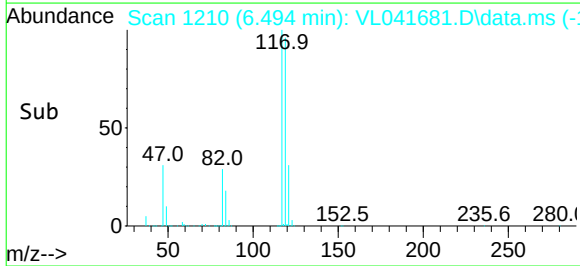
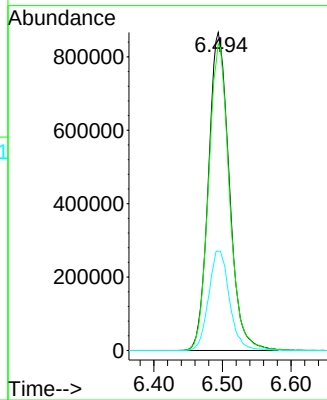
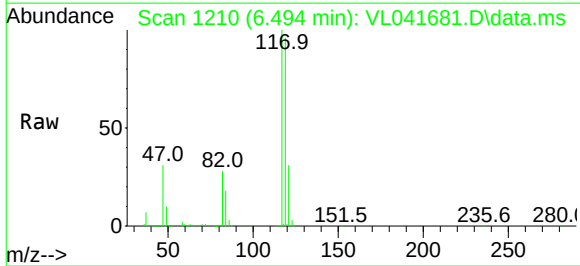
121 31.2 25.0 37.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024

Supervised By :Semsettin Yesilyurt 11/09/2024



#36

Benzene

Concen: 10.208 ppbv

RT: 6.368 min Scan# 1171

Delta R.T. 0.003 min

Lab File: VL041681.D

Acq: 7 Nov 2024 14:51

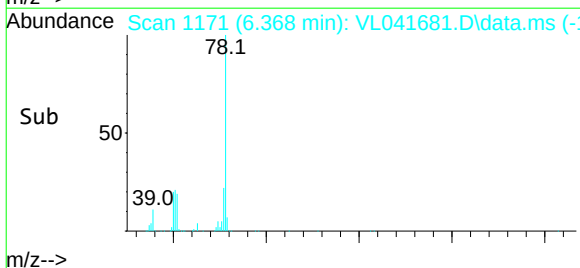
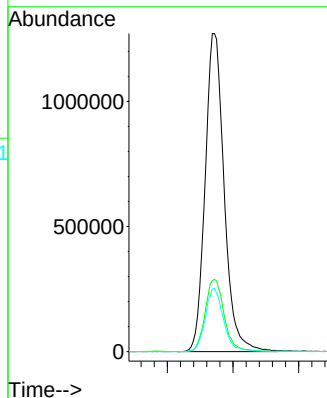
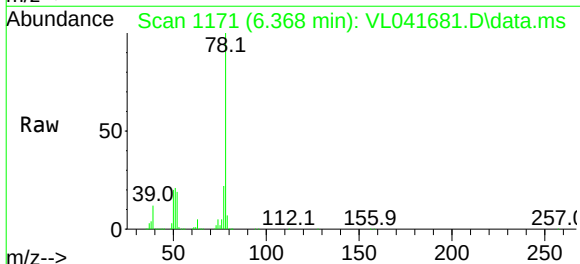
Tgt Ion: 78 Resp: 2560057

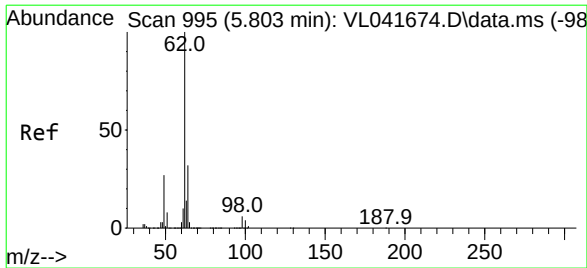
Ion Ratio Lower Upper

78 100

77 22.3 18.5 27.7

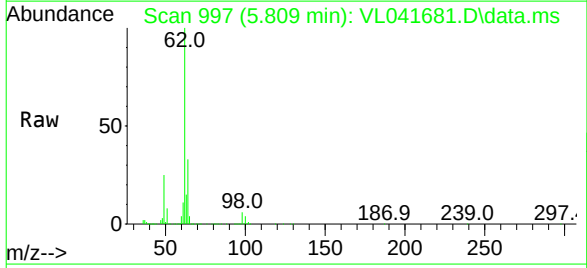
50 19.7 15.6 23.4





1,2-Dichloroethane
Concen: 9.726 ppbv
RT: 5.809 min Scan# 995
Delta R.T. 0.006 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

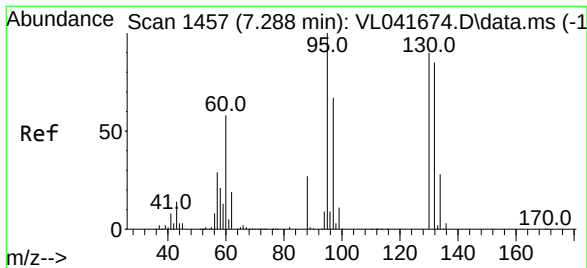
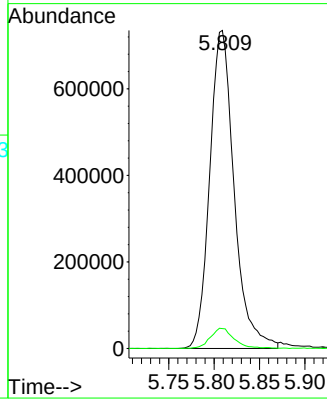
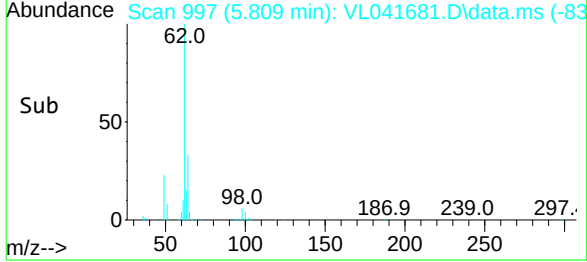
Instrument : MSVOA_L
ClientSampleId : ICVVL110724



Tgt Ion: 62 Resp: 1376089
Ion Ratio Lower Upper
62 100
98 6.3 5.2 7.8

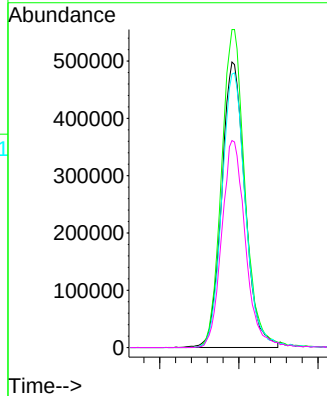
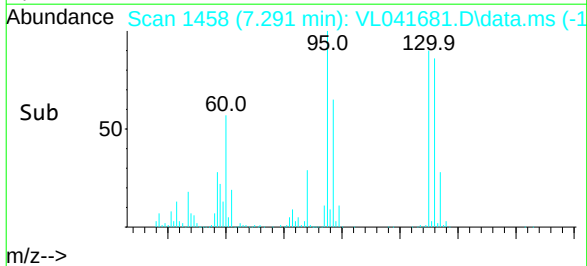
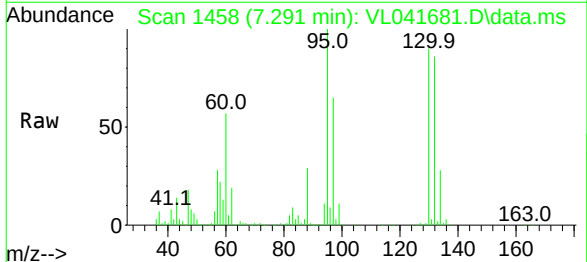
Manual Integrations
APPROVED

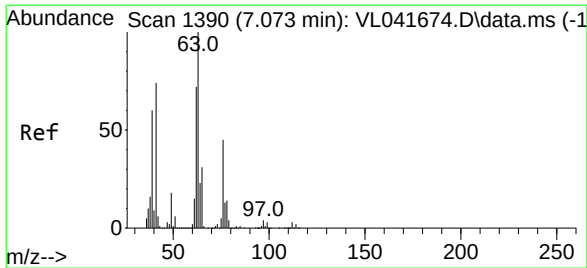
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#38
Trichloroethene
Concen: 10.577 ppbv
RT: 7.291 min Scan# 1458
Delta R.T. 0.003 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

Tgt Ion:130 Resp: 1018788
Ion Ratio Lower Upper
130 100
95 111.4 89.1 133.7
132 95.8 75.7 113.5
97 72.5 60.0 90.0





#39

1,2-Dichloropropane

Concen: 9.923 ppbv

RT: 7.073 min Scan# 13

Delta R.T. 0.000 min

Lab File: VL041681.D

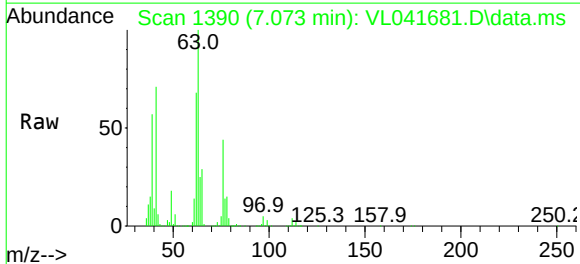
Acq: 7 Nov 2024 14:51

Instrument :

MSVOA_L

ClientSampleId :

ICVVL110724



Tgt Ion: 63 Resp: 983477

Ion Ratio Lower Upper

63 100

41 71.4 59.1 88.7

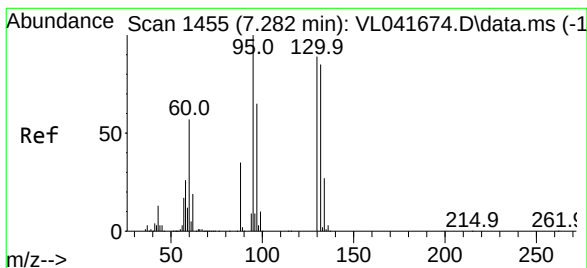
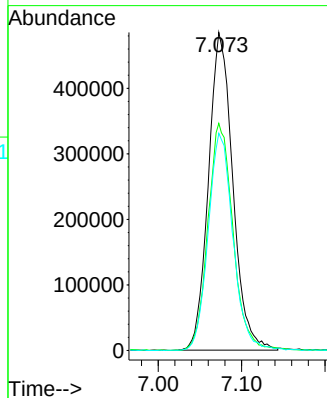
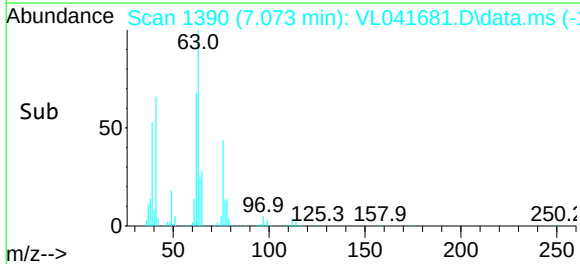
62 68.3 57.7 86.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024

Supervised By :Semsettin Yesilyurt 11/09/2024



#40

1,4-Dioxane

Concen: 10.579 ppbv

RT: 7.288 min Scan# 1457

Delta R.T. 0.006 min

Lab File: VL041681.D

Acq: 7 Nov 2024 14:51

Tgt Ion: 88 Resp: 376201

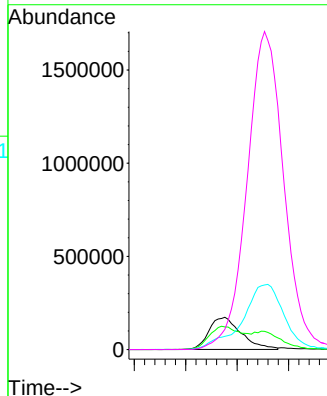
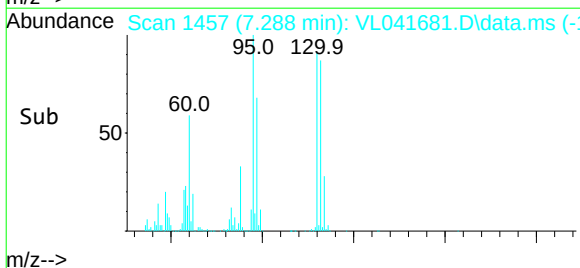
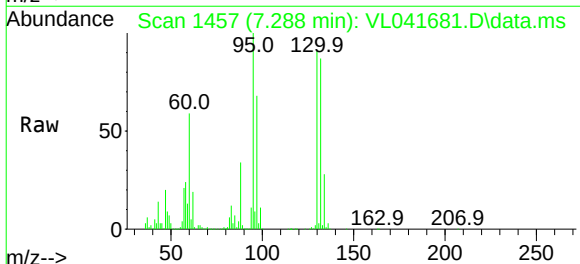
Ion Ratio Lower Upper

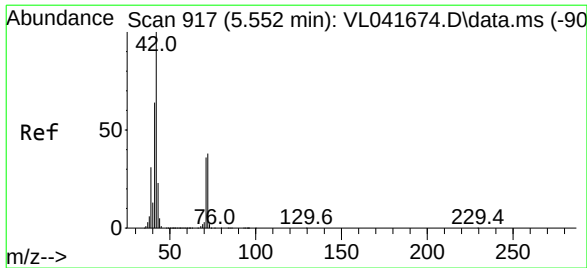
88 100

58 127.2 101.4 152.2

43 0.0 208.0 312.0#

57 0.0 902.9 1354.3#





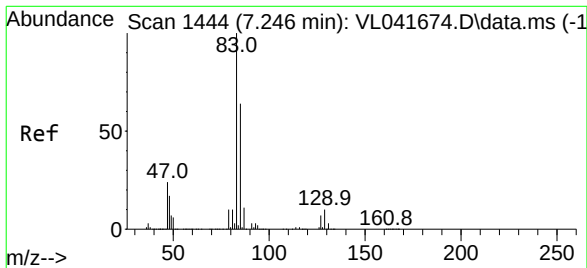
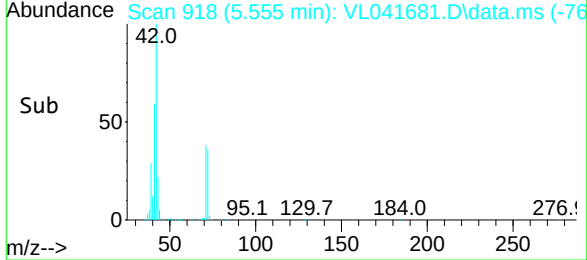
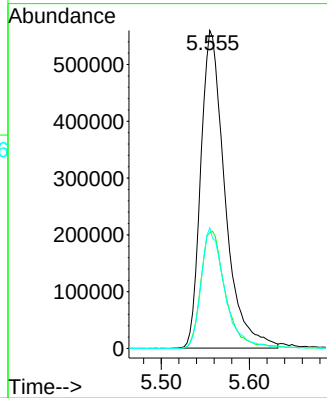
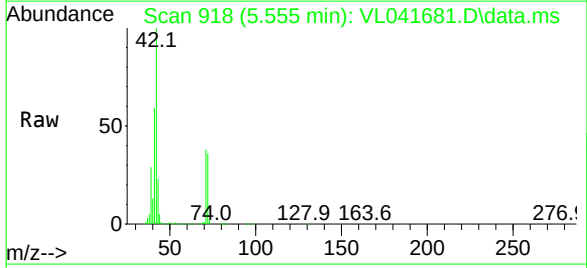
#41
Tetrahydrofuran
Concen: 11.067 ppbv
RT: 5.555 min Scan# 917
Delta R.T. 0.003 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

Instrument :
MSVOA_L
ClientSampleId :
ICVVL110724

Tgt Ion: 42 Resp: 1065202
Ion Ratio Lower Upper
42 100
72 37.9 29.8 44.6
71 37.5 29.4 44.2

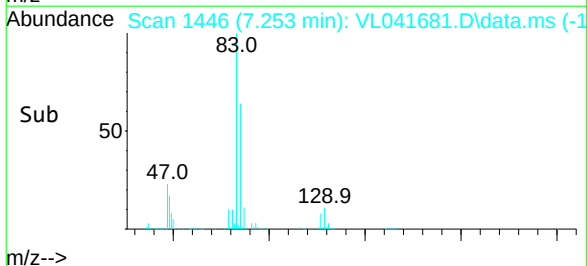
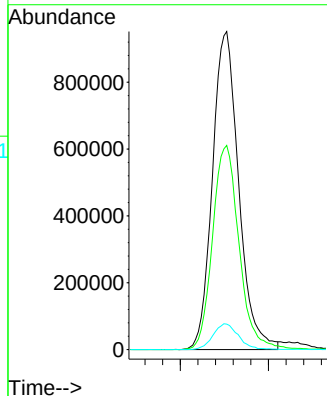
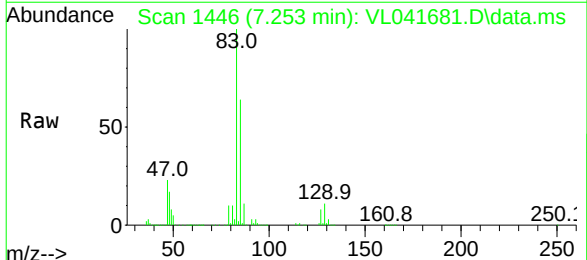
Manual Integrations
APPROVED

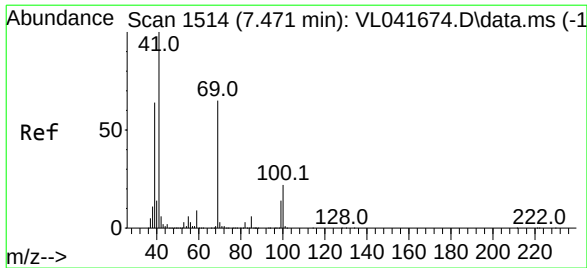
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#42
Bromodichloromethane
Concen: 10.002 ppbv
RT: 7.253 min Scan# 1446
Delta R.T. 0.006 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

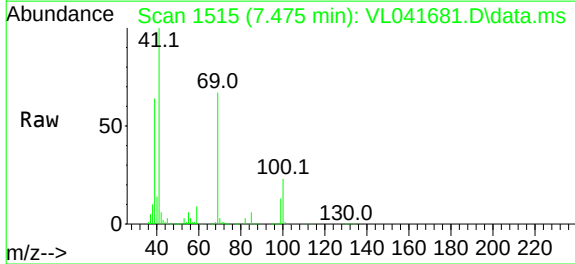
Tgt Ion: 83 Resp: 1966589
Ion Ratio Lower Upper
83 100
85 64.2 51.2 76.8
127 8.0 6.0 9.0





#43
Methyl Methacrylate
Concen: 11.473 ppbv
RT: 7.475 min Scan# 1514
Delta R.T. 0.003 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

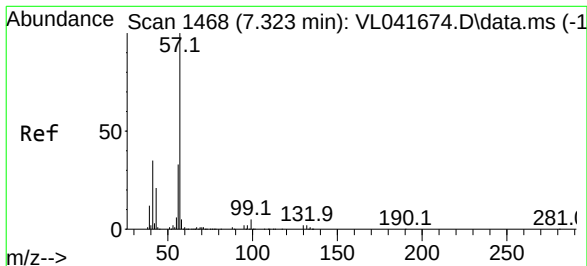
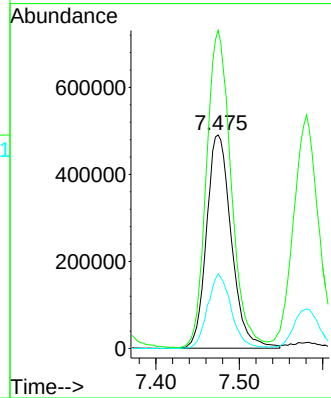
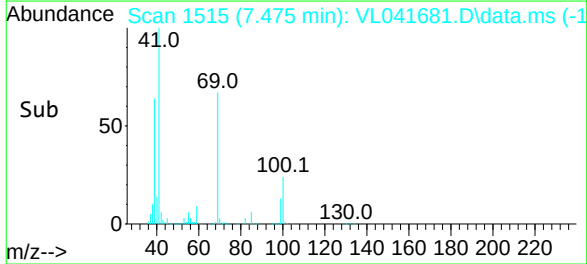
Instrument :
MSVOA_L
ClientSampleId :
ICVVL110724



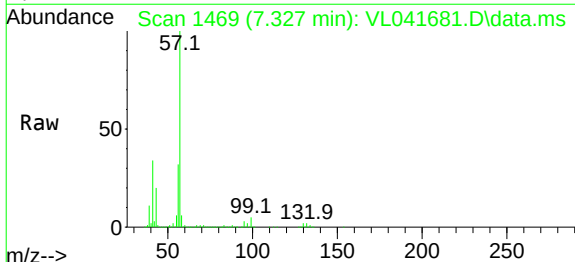
Tgt Ion: 69 Resp: 1010315
Ion Ratio Lower Upper
69 100
41 148.9 119.8 179.6
100 33.6 27.3 40.9

Manual Integrations
APPROVED

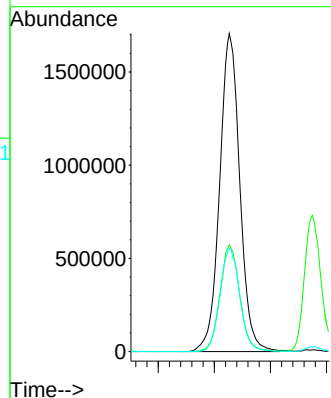
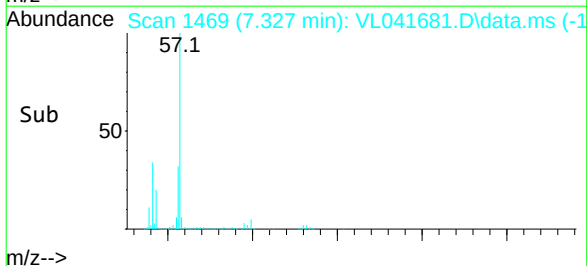
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024

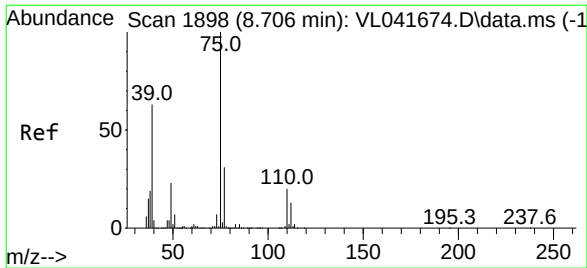


#44
2,2,4-Trimethylpentane
Concen: 10.012 ppbv
RT: 7.327 min Scan# 1469
Delta R.T. 0.003 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51



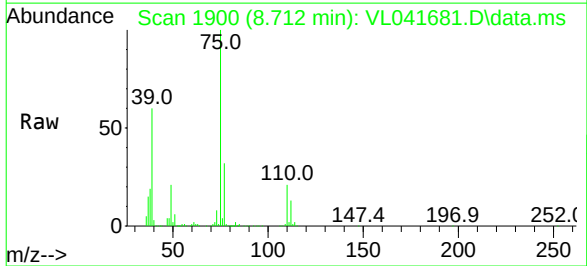
Tgt Ion: 57 Resp: 4253439
Ion Ratio Lower Upper
57 100
41 33.1 27.0 40.6
56 31.9 25.8 38.6





#45
t-1,3-Dichloropropene
Concen: 12.176 ppbv
RT: 8.712 min Scan# 19
Delta R.T. 0.006 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

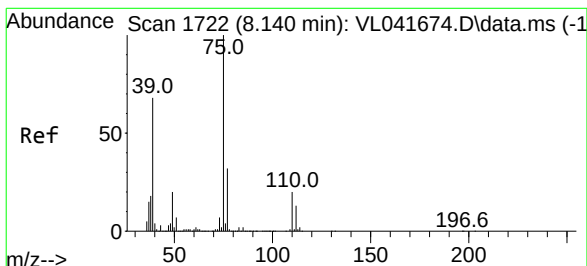
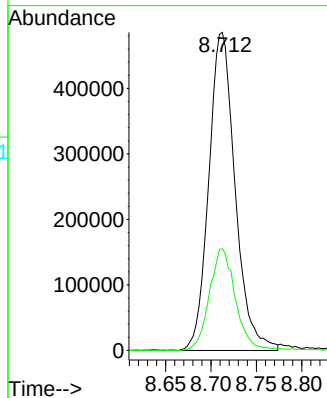
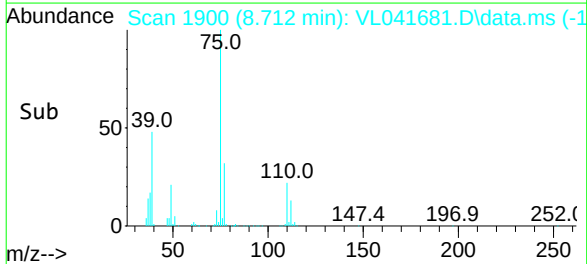
Instrument :
MSVOA_L
ClientSampleId :
ICVVL110724



Tgt Ion: 75 Resp: 979763
Ion Ratio Lower Upper
75 100
77 32.0 24.7 37.1

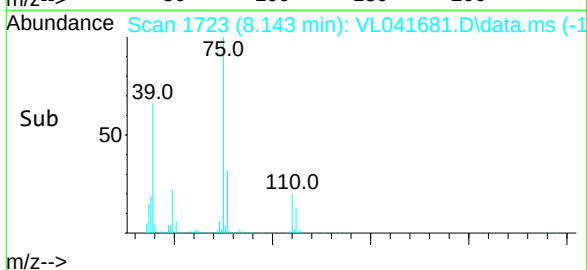
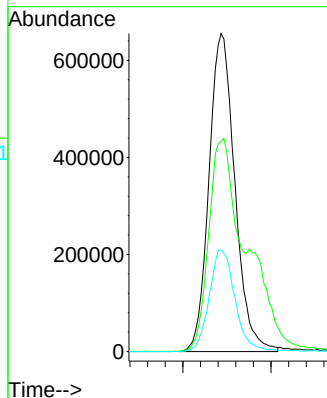
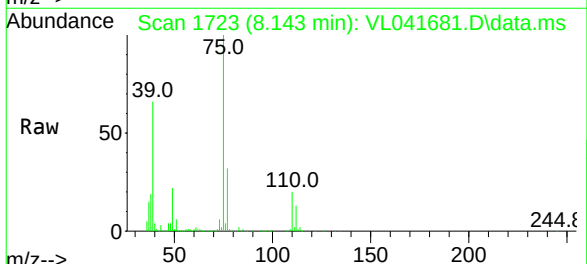
Manual Integrations
APPROVED

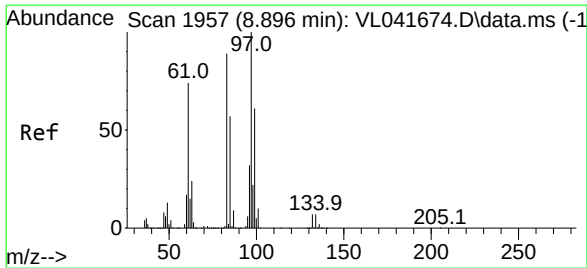
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#46
cis-1,3-Dichloropropene
Concen: 11.555 ppbv
RT: 8.143 min Scan# 1723
Delta R.T. 0.003 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

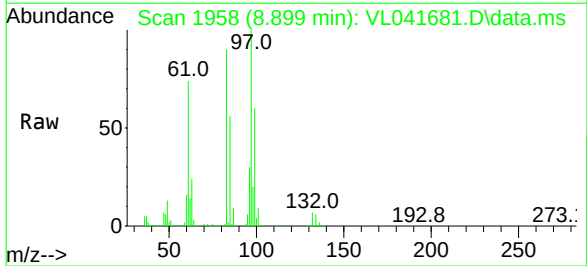
Tgt Ion: 75 Resp: 1335370
Ion Ratio Lower Upper
75 100
39 66.0 54.1 81.1
77 31.8 25.3 37.9





#47
1,1,2-Trichloroethane
Concen: 9.583 ppbv
RT: 8.899 min Scan# 1957
Delta R.T. 0.003 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

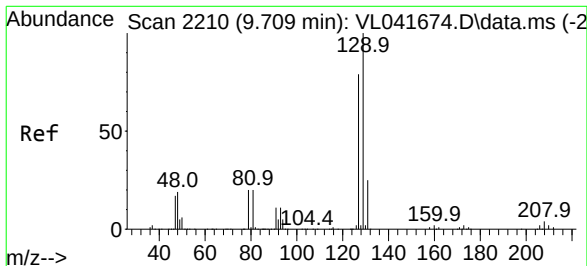
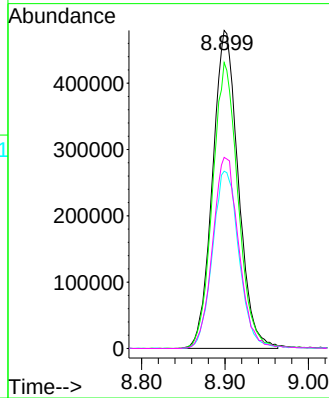
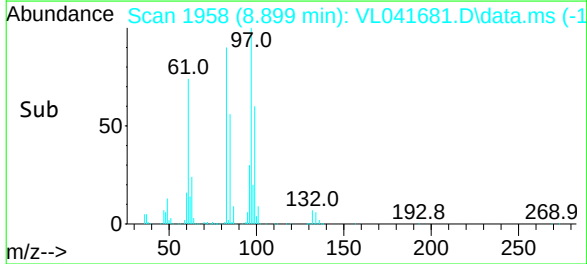
Instrument :
MSVOA_L
ClientSampleId :
ICVVL110724



Tgt Ion: 97 Resp: 1027960
Ion Ratio Lower Upper
97 100
83 89.9 71.0 106.6
85 55.8 45.4 68.2
99 60.1 49.0 73.6

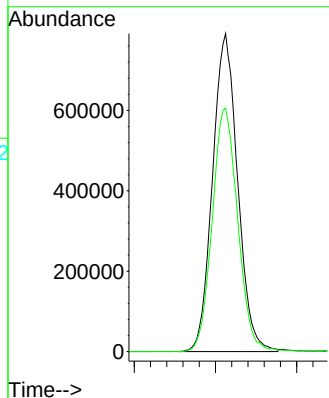
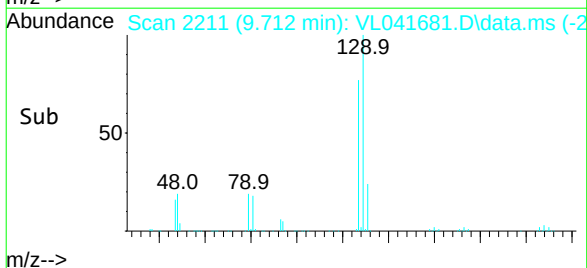
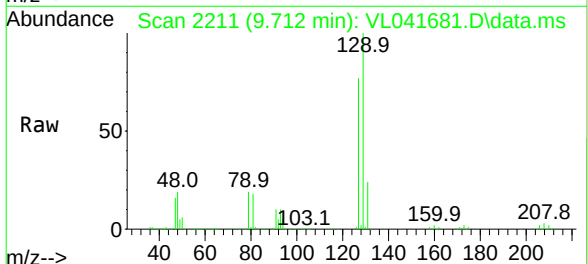
Manual Integrations
APPROVED

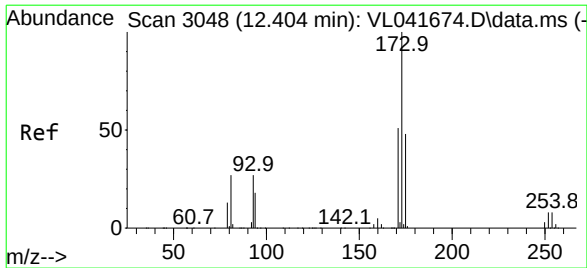
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#48
Dibromochloromethane
Concen: 10.410 ppbv
RT: 9.712 min Scan# 2211
Delta R.T. 0.003 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

Tgt Ion:129 Resp: 1697504
Ion Ratio Lower Upper
129 100
127 78.1 39.1 117.2





#49

Bromoform

Concen: 10.519 ppbv

RT: 12.410 min Scan# 3048

Delta R.T. 0.006 min

Lab File: VL041681.D

Acq: 7 Nov 2024 14:51

Instrument :

MSVOA_L

ClientSampleId :

ICVVL110724

Tgt Ion:173 Resp: 1467565

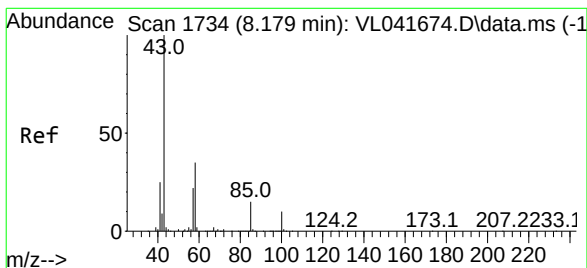
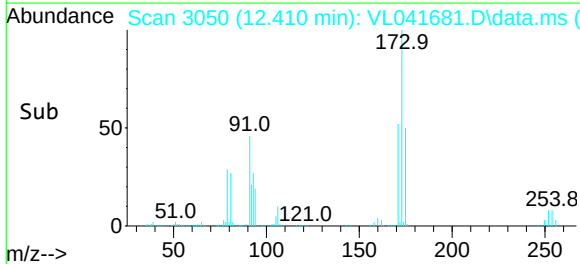
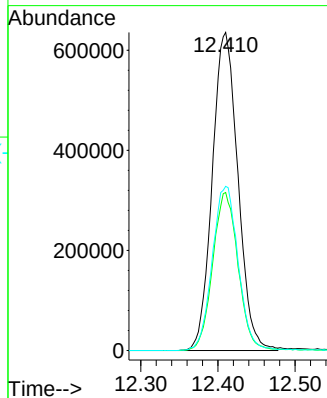
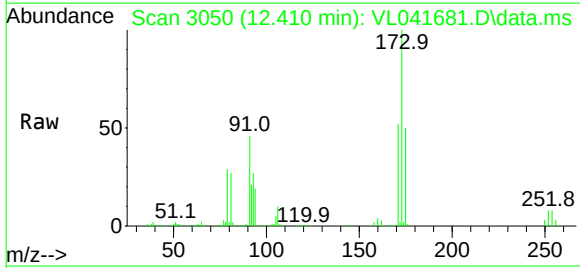
Ion	Ratio	Lower	Upper
173	100		
175	49.4	39.2	58.8
171	52.4	41.7	62.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024

Supervised By :Semsettin Yesilyurt 11/09/2024



#50

4-Methyl-2-Pentanone

Concen: 10.513 ppbv

RT: 8.182 min Scan# 1735

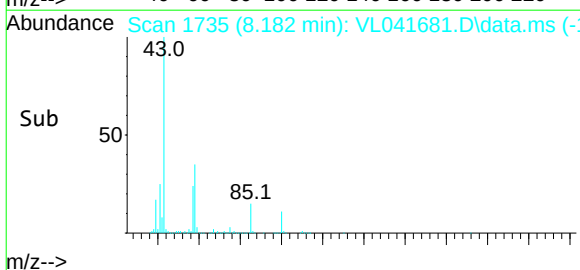
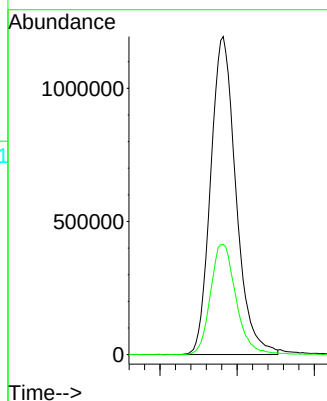
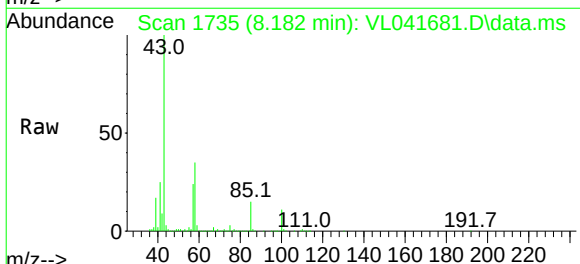
Delta R.T. 0.003 min

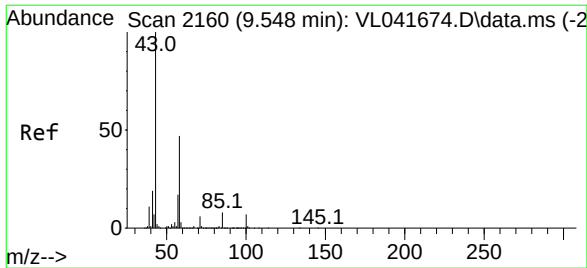
Lab File: VL041681.D

Acq: 7 Nov 2024 14:51

Tgt Ion: 43 Resp: 2720056

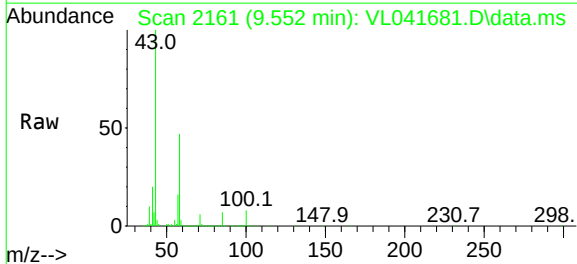
Ion	Ratio	Lower	Upper
43	100		
58	35.1	27.7	41.5





#51
2-Hexanone
Concen: 11.315 ppbv
RT: 9.552 min Scan# 2160
Delta R.T. 0.003 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

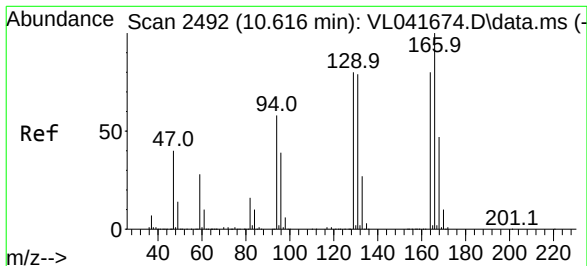
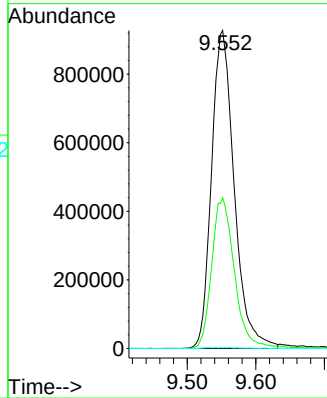
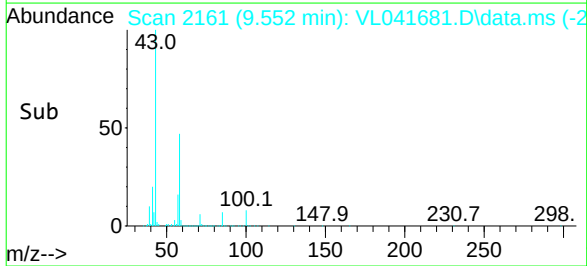
Instrument :
MSVOA_L
ClientSampleId :
ICVVL110724



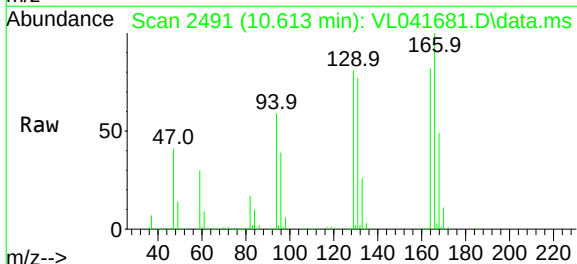
Tgt Ion: 43 Resp: 2131991
Ion Ratio Lower Upper
43 100
58 47.9 37.0 55.6
98 0.3 0.6 0.8

Manual Integrations
APPROVED

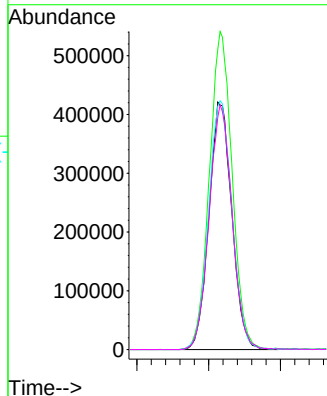
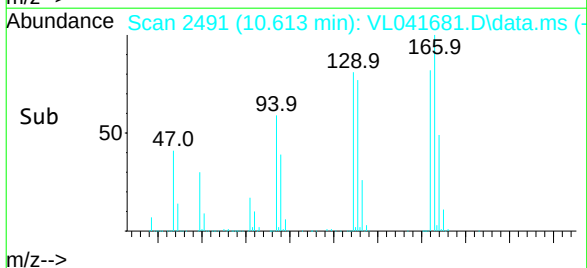
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024

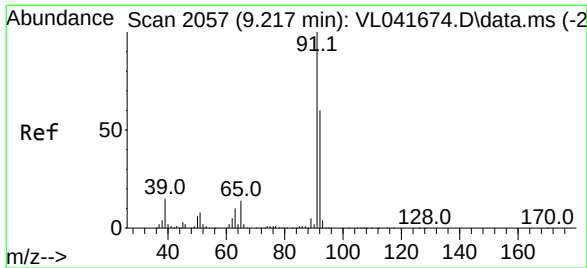


#52
Tetrachloroethene
Concen: 10.901 ppbv
RT: 10.613 min Scan# 2491
Delta R.T. -0.003 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51



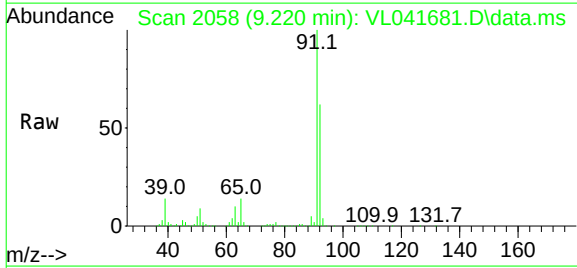
Tgt Ion:164 Resp: 931693
Ion Ratio Lower Upper
164 100
166 121.3 100.2 150.4
129 98.3 79.7 119.5
131 94.0 79.0 118.4





#53
Toluene
Concen: 10.997 ppbv
RT: 9.220 min Scan# 2058
Delta R.T. 0.003 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

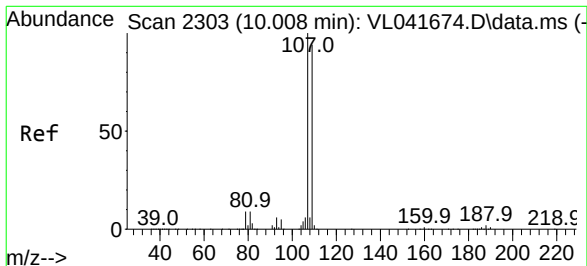
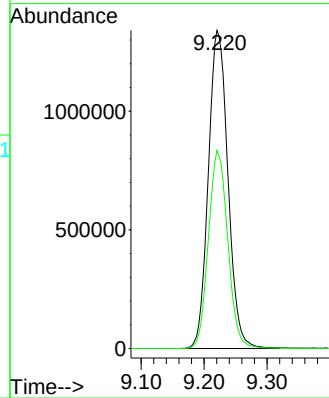
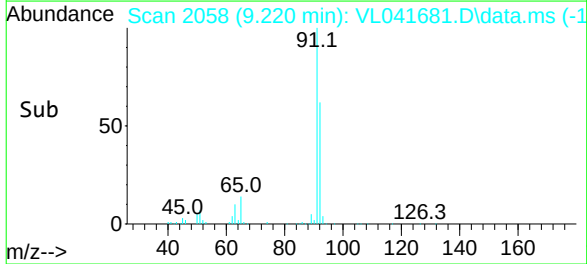
Instrument : MSVOA_L
ClientSampleId : ICVVL110724



Tgt Ion: 91 Resp: 2900278
Ion Ratio Lower Upper
91 100
92 61.6 49.0 73.4

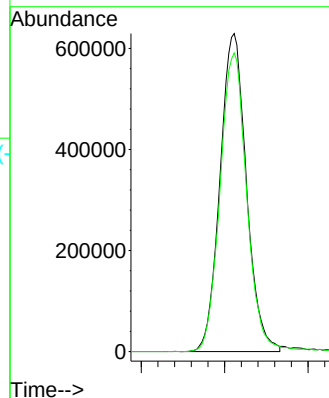
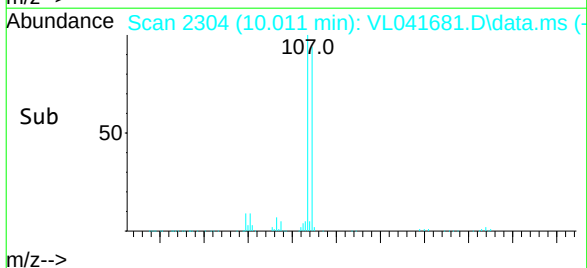
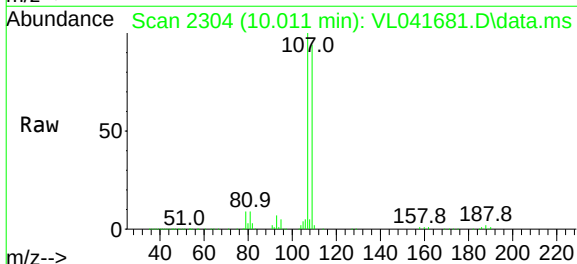
Manual Integrations
APPROVED

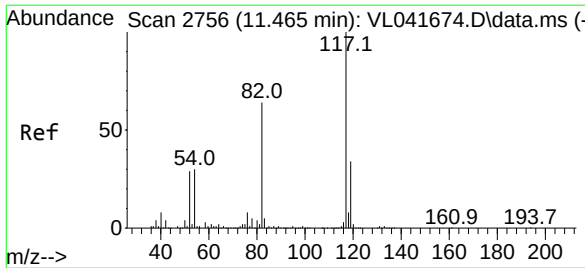
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#54
1,2-Dibromoethane
Concen: 11.043 ppbv
RT: 10.011 min Scan# 2304
Delta R.T. 0.003 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

Tgt Ion:107 Resp: 1383939
Ion Ratio Lower Upper
107 100
109 93.9 74.9 112.3





#55

Chlorobenzene-d5

Concen: 10.000 ppbv m

RT: 11.468 min Scan# 2756

Delta R.T. 0.003 min

Lab File: VL041681.D

Acq: 7 Nov 2024 14:51

Instrument :

MSVOA_L

ClientSampleId :

ICVVL110724

Tgt Ion:117 Resp: 3288136

Ion Ratio Lower Upper

117 100

82 61.5 49.8 74.8

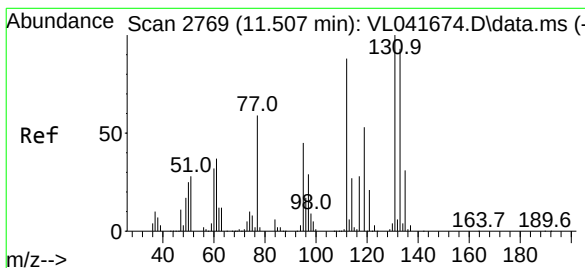
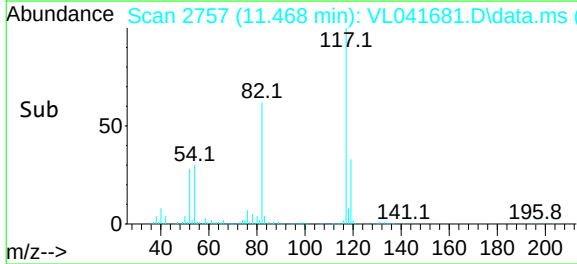
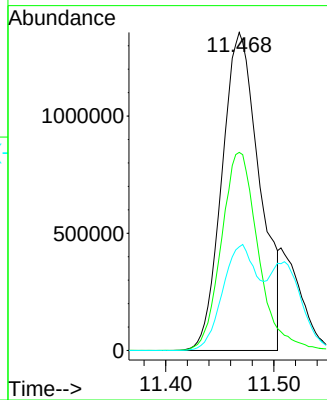
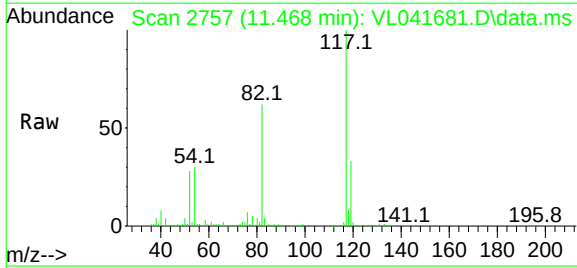
119 30.8 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024

Supervised By :Semsettin Yesilyurt 11/09/2024



#56

1,1,1,2-Tetrachloroethane

Concen: 9.206 ppbv

RT: 11.510 min Scan# 2770

Delta R.T. 0.003 min

Lab File: VL041681.D

Acq: 7 Nov 2024 14:51

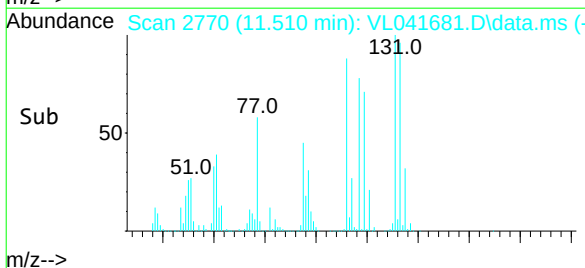
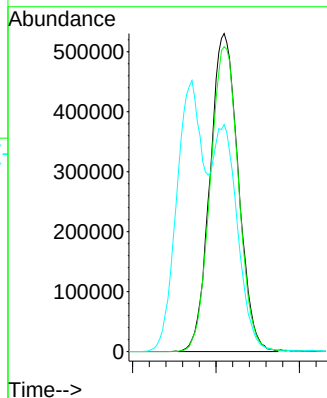
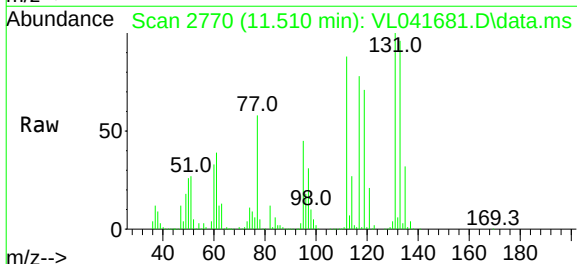
Tgt Ion:131 Resp: 1248422

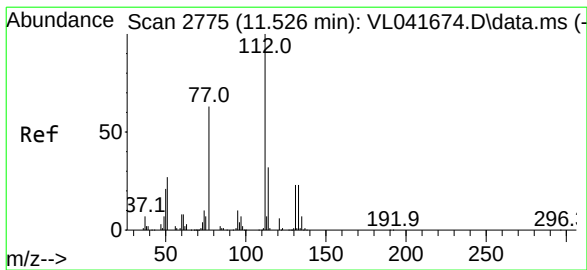
Ion Ratio Lower Upper

131 100

133 96.0 76.5 114.7

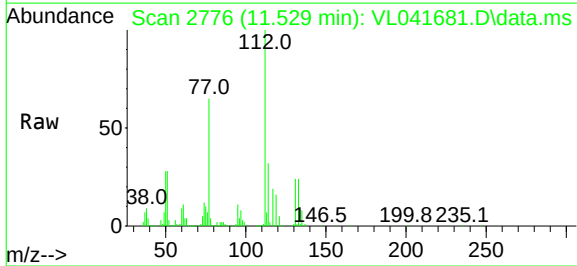
119 64.6 49.8 74.8





#57
Chlorobenzene
Concen: 9.199 ppbv
RT: 11.529 min Scan# 2775
Delta R.T. 0.003 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

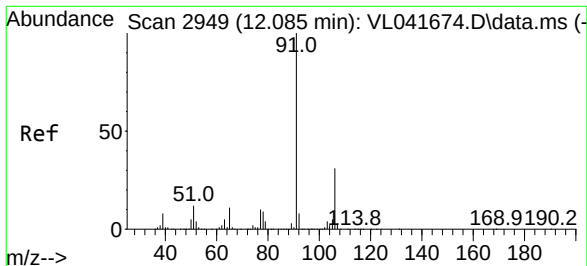
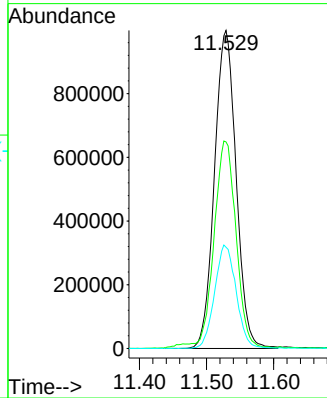
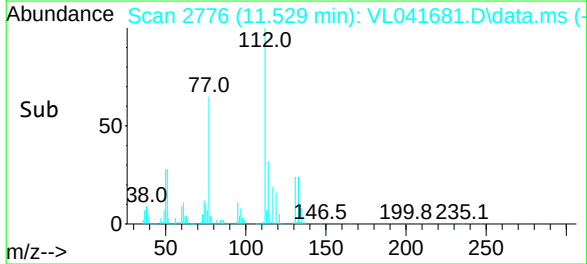
Instrument :
MSVOA_L
ClientSampleId :
ICVVL110724



Tgt Ion:112 Resp: 2237120
Ion Ratio Lower Upper
112 100
77 64.7 51.4 77.2
114 31.8 28.4 34.8

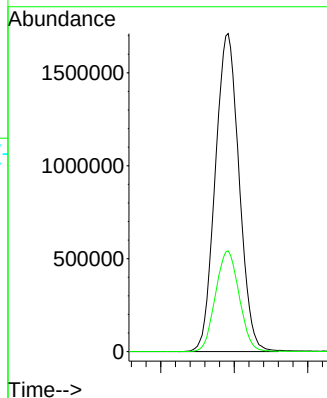
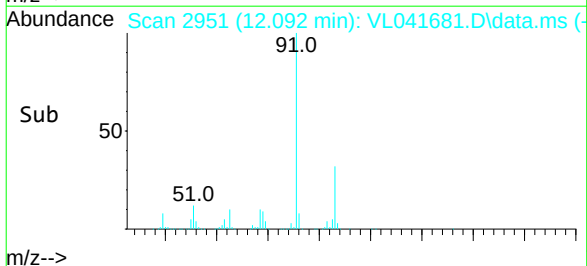
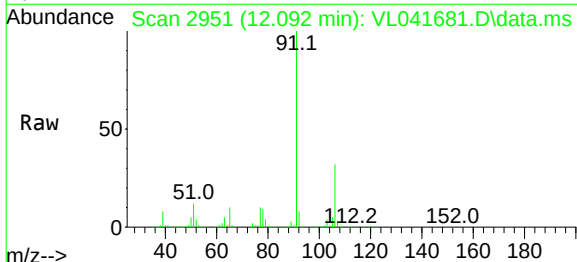
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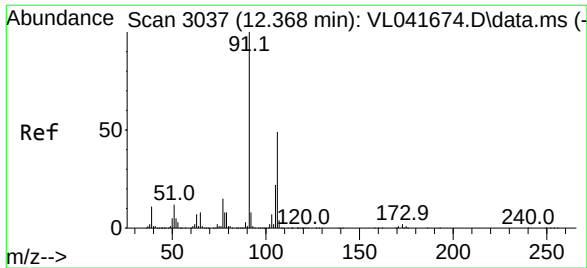
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#58
Ethyl Benzene
Concen: 10.696 ppbv
RT: 12.092 min Scan# 2951
Delta R.T. 0.006 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

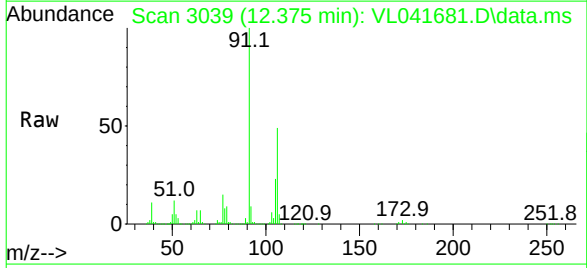
Tgt Ion: 91 Resp: 3855683
Ion Ratio Lower Upper
91 100
106 31.7 24.9 37.3





#59
m/p-Xylene
Concen: 20.029 ppbv m
RT: 12.375 min Scan# 3039
Delta R.T. 0.006 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

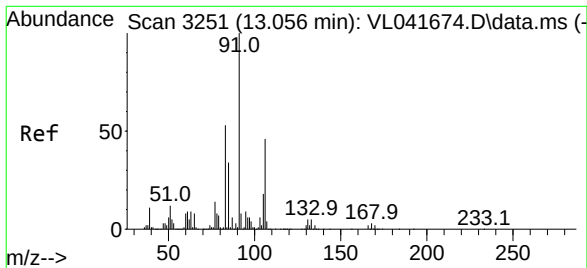
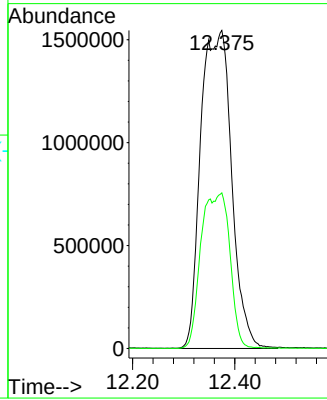
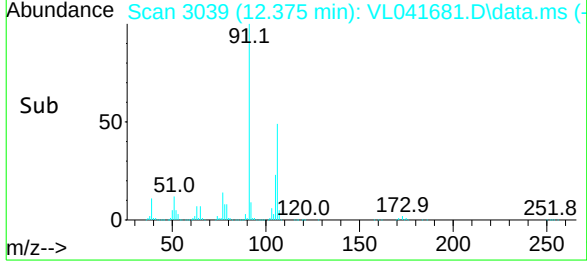
Instrument :
MSVOA_L
ClientSampleId :
ICVVL110724



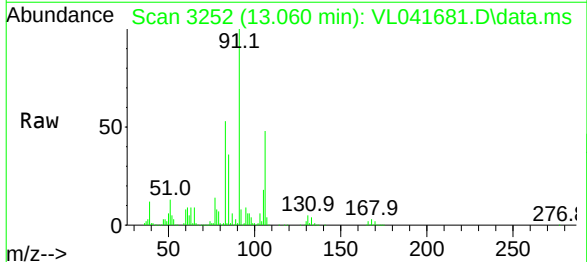
Tgt Ion: 91 Resp: 6465658
Ion Ratio Lower Upper
91 100
106 45.9 36.9 55.3

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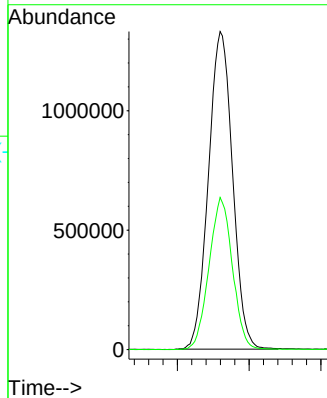
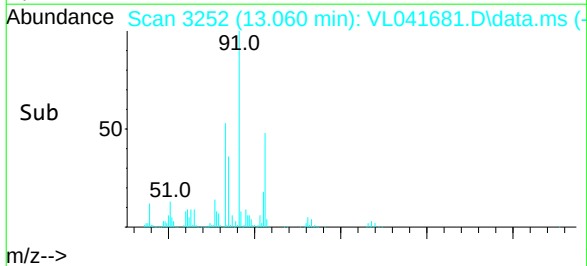
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024

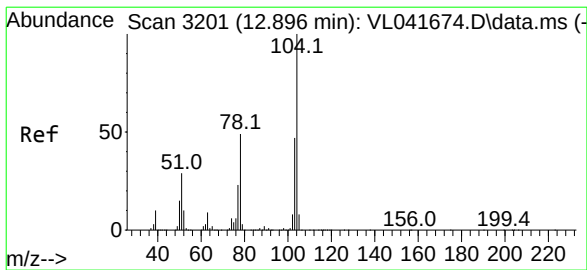


#60
o-Xylene
Concen: 10.084 ppbv
RT: 13.060 min Scan# 3252
Delta R.T. 0.003 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51



Tgt Ion: 91 Resp: 3103973
Ion Ratio Lower Upper
91 100
106 46.6 23.2 69.6





#61

Styrene

Concen: 12.089 ppbv

RT: 12.896 min Scan# 3201

Delta R.T. 0.000 min

Lab File: VL041681.D

Acq: 7 Nov 2024 14:51

Instrument :

MSVOA_L

ClientSampleId :

ICVVL110724

Tgt Ion:104 Resp: 1535856

Ion Ratio Lower Upper

104 100

78 49.5 39.8 59.8

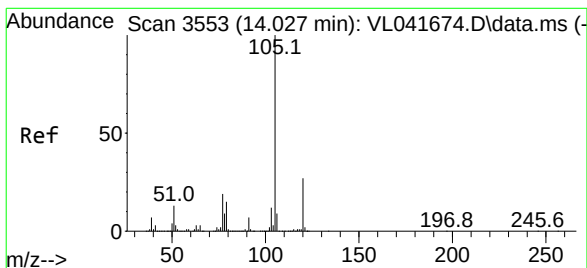
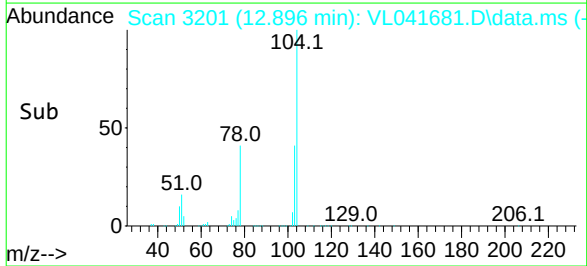
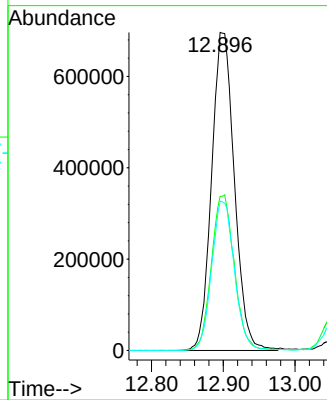
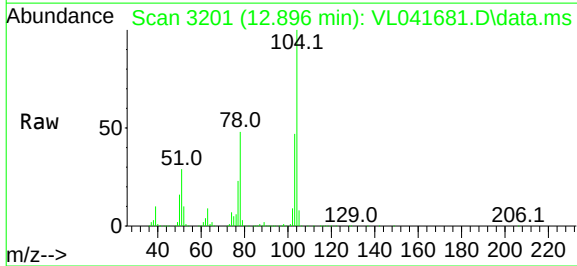
103 47.1 37.4 56.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024

Supervised By :Semsettin Yesilyurt 11/09/2024



#62

Isopropylbenzene

Concen: 9.687 ppbv

RT: 14.031 min Scan# 3554

Delta R.T. 0.003 min

Lab File: VL041681.D

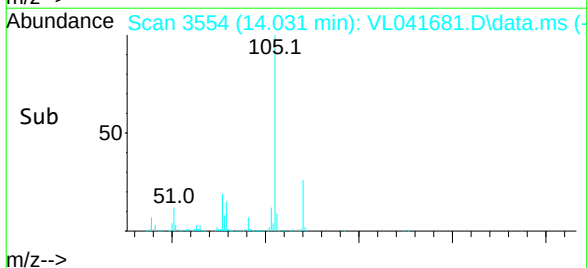
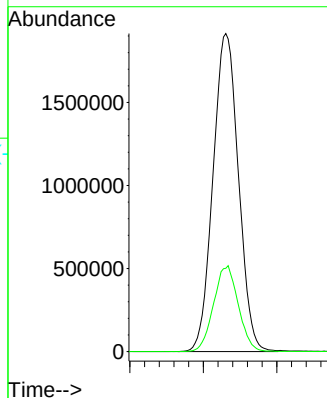
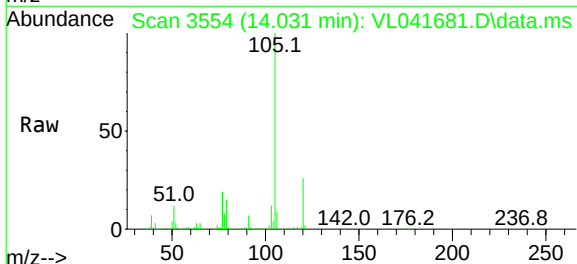
Acq: 7 Nov 2024 14:51

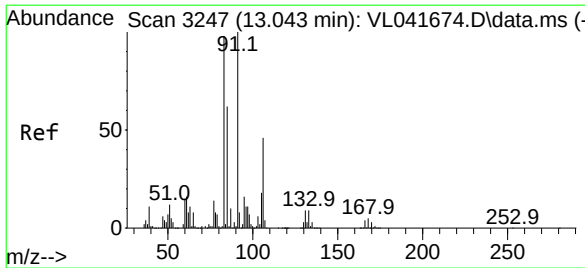
Tgt Ion:105 Resp: 4605291

Ion Ratio Lower Upper

105 100

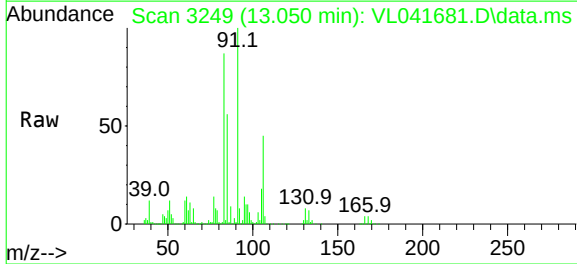
120 26.2 21.1 31.7





#63
1,1,2,2-Tetrachloroethane
Concen: 9.458 ppbv
RT: 13.050 min Scan# 3247
Delta R.T. 0.006 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

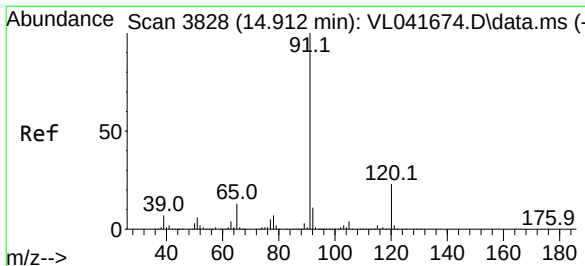
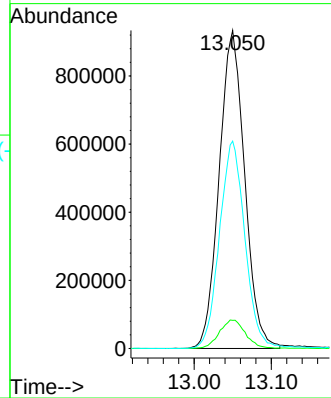
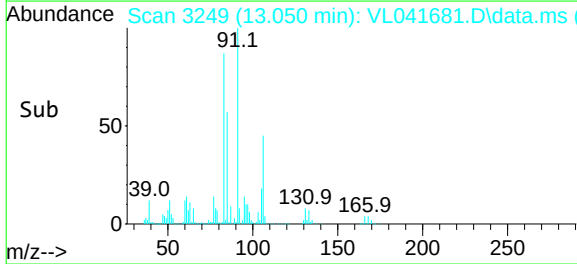
Instrument : MSVOA_L
ClientSampleId : ICVVL110724



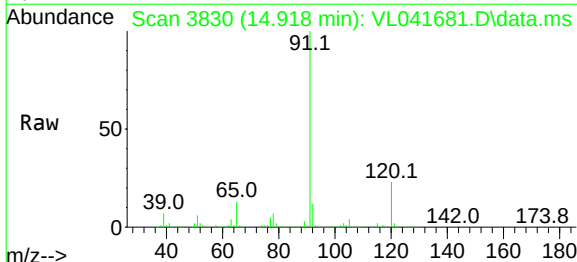
Tgt Ion: 83 Resp: 2141628
Ion Ratio Lower Upper
83 100
131 9.3 4.8 14.3
85 65.7 32.6 98.0

Manual Integrations
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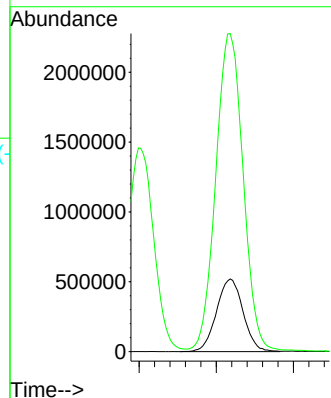
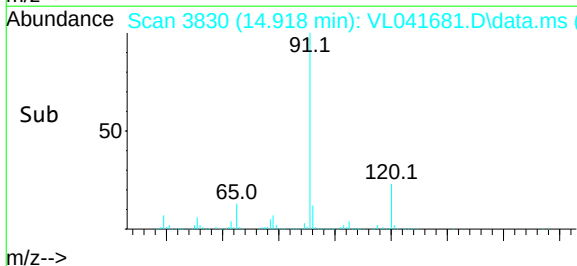
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024

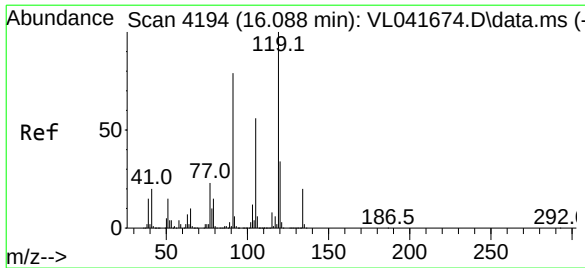


#64
n-propylbenzene
Concen: 9.983 ppbv
RT: 14.918 min Scan# 3830
Delta R.T. 0.006 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51



Tgt Ion:120 Resp: 1242370
Ion Ratio Lower Upper
120 100
91 453.8 362.4 543.6





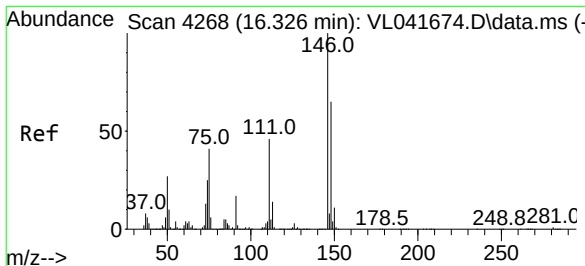
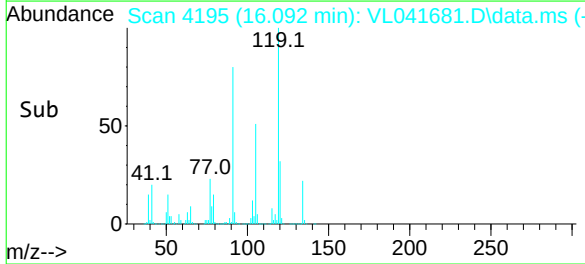
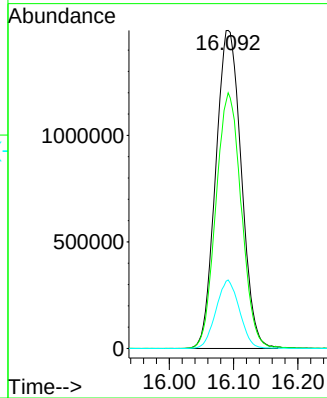
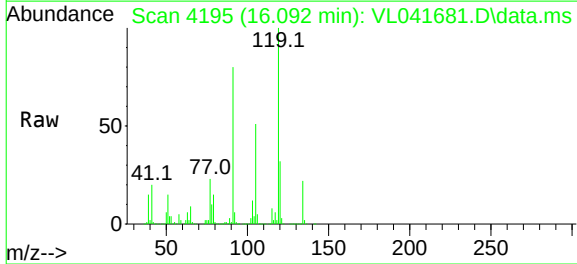
#65
tert-Butylbenzene
Concen: 9.661 ppbv
RT: 16.092 min Scan# 4194
Delta R.T. 0.003 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

Instrument :
MSVOA_L
ClientSampleId :
ICVVL110724

Tgt Ion:119 Resp: 4128166
Ion Ratio Lower Upper
119 100
91 80.0 64.3 96.5
134 19.9 15.8 23.8

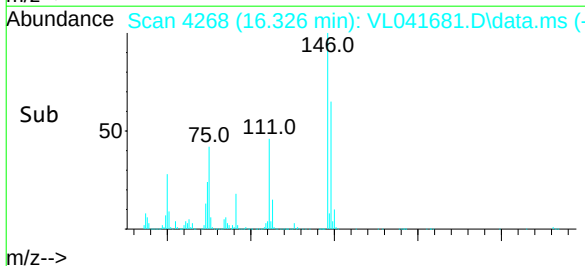
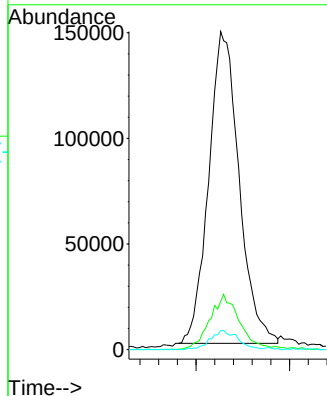
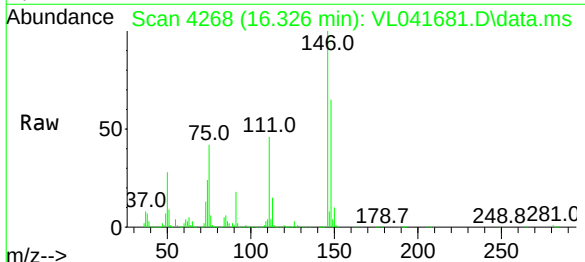
Manual Integrations
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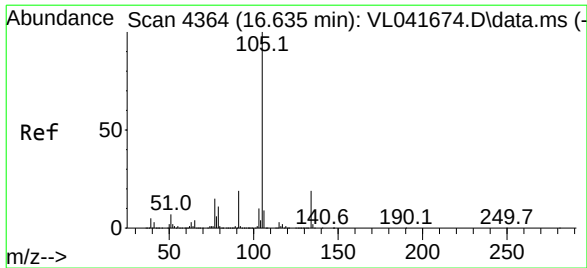
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#66
Benzyl Chloride
Concen: 10.145 ppbv
RT: 16.326 min Scan# 4268
Delta R.T. 0.000 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

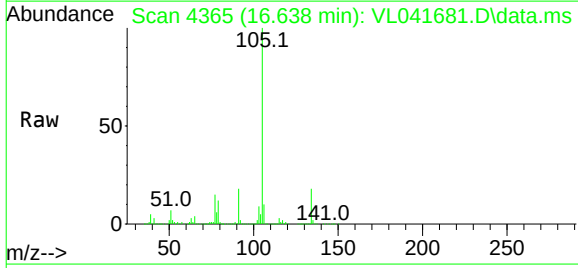
Tgt Ion: 91 Resp: 333479
Ion Ratio Lower Upper
91 100
126 17.7 13.8 20.6
128 5.8 4.3 6.5





#67
sec-Butylbenzene
Concen: 9.584 ppbv
RT: 16.638 min Scan# 4364
Delta R.T. 0.003 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

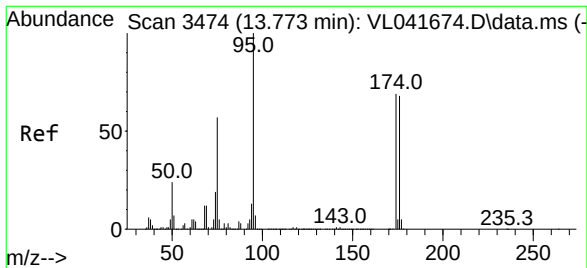
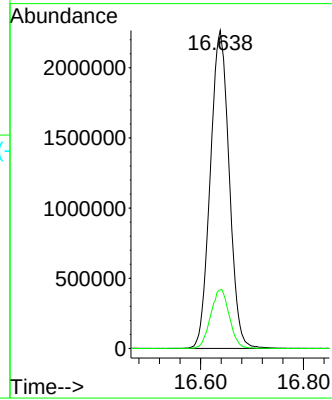
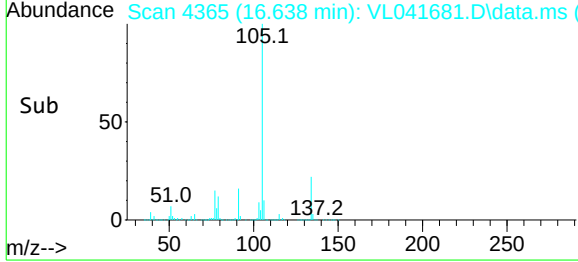
Instrument :
MSVOA_L
ClientSampleId :
ICVVL110724



Tgt Ion: 105 Resp: 5771671
Ion Ratio Lower Upper
105 100
134 18.4 14.6 22.0

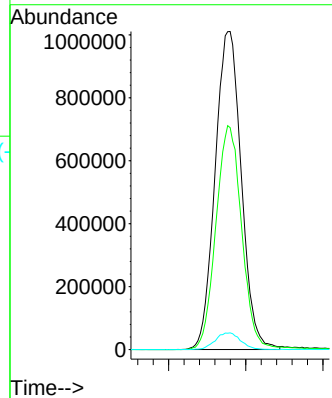
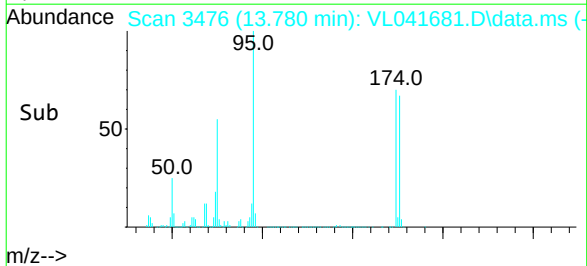
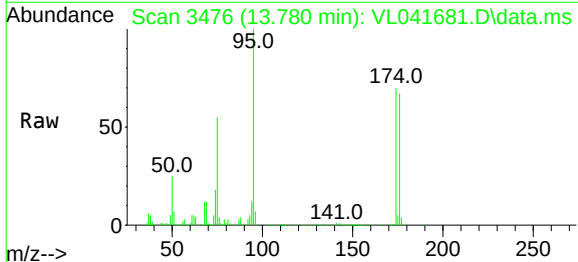
Manual Integrations
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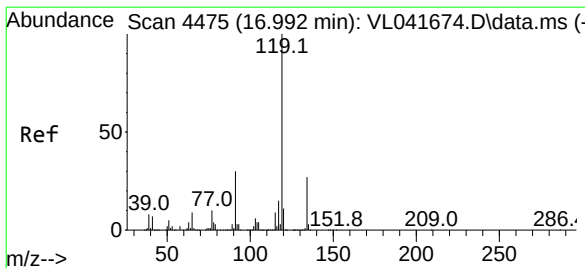
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



#68
1-Bromo-4-Fluorobenzene
Concen: 9.843 ppbv
RT: 13.780 min Scan# 3476
Delta R.T. 0.006 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

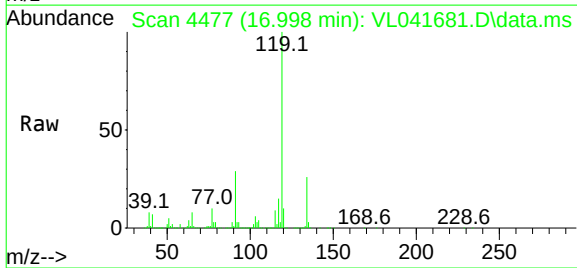
Tgt Ion: 95 Resp: 2384630
Ion Ratio Lower Upper
95 100
174 69.7 55.6 83.4
175 5.2 4.2 6.2





#69
p-Isopropyltoluene
Concen: 9.944 ppbv
RT: 16.998 min Scan# 4475
Delta R.T. 0.006 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

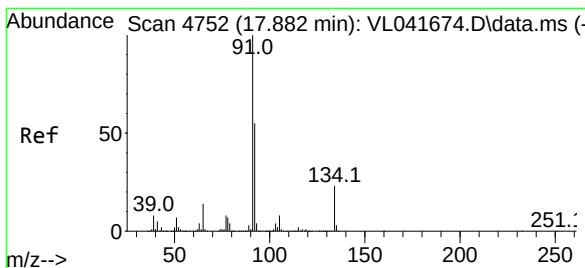
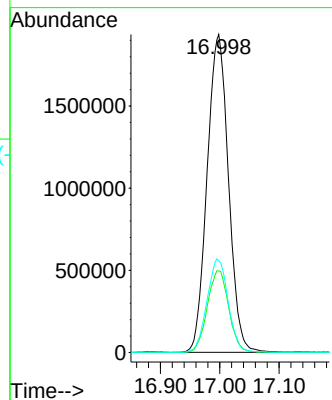
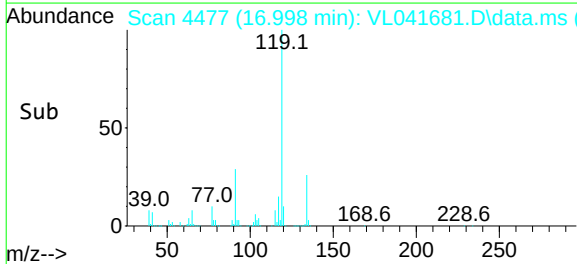
Instrument : MSVOA_L
ClientSampleId : ICVVL110724



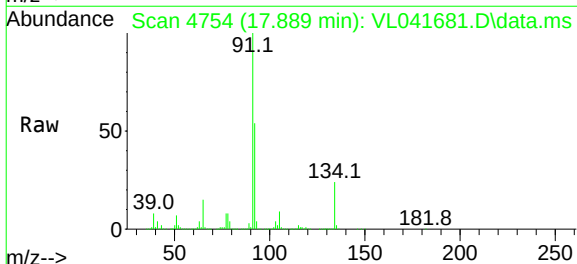
Tgt Ion: 119 Resp: 4841188
Ion Ratio Lower Upper
119 100
134 25.9 20.8 31.2
91 29.0 23.2 34.8

Manual Integrations
APPROVED

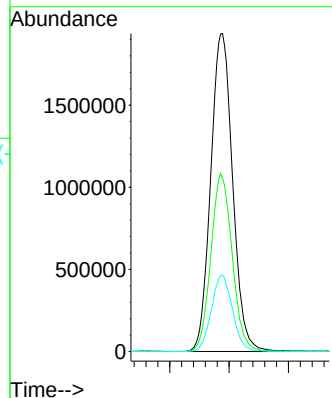
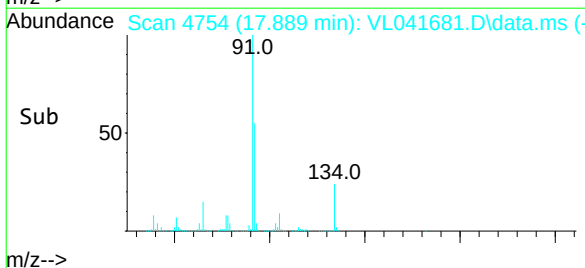
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024

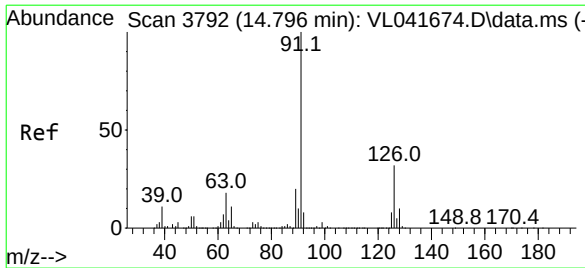


#70
n-Butylbenzene
Concen: 9.960 ppbv
RT: 17.889 min Scan# 4754
Delta R.T. 0.006 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51



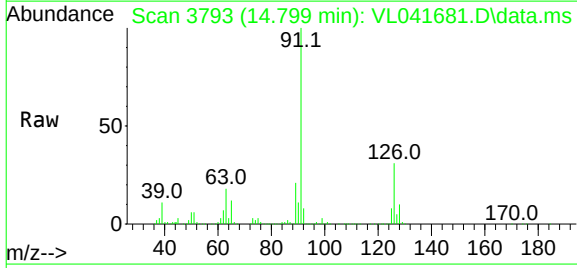
Tgt Ion: 91 Resp: 4961330
Ion Ratio Lower Upper
91 100
92 54.5 43.3 64.9
134 23.3 18.4 27.6





#71
2-Chlorotoluene
Concen: 10.121 ppbv
RT: 14.799 min Scan# 3792
Delta R.T. 0.003 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

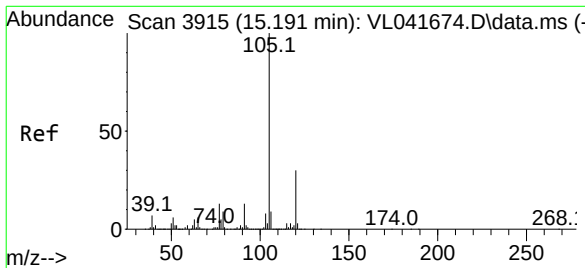
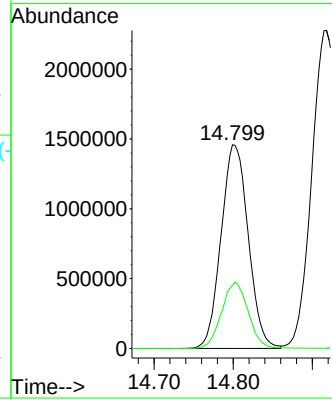
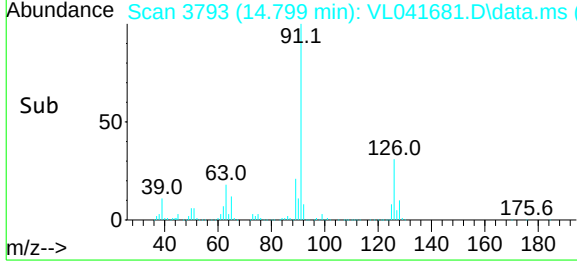
Instrument :
MSVOA_L
ClientSampleId :
ICVVL110724



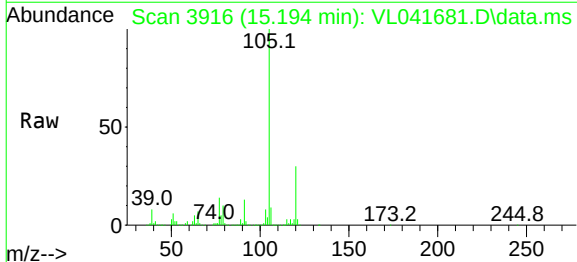
Tgt Ion: 91 Resp: 3477879
Ion Ratio Lower Upper
91 100
126 32.1 12.8 51.0

Manual Integrations
APPROVED

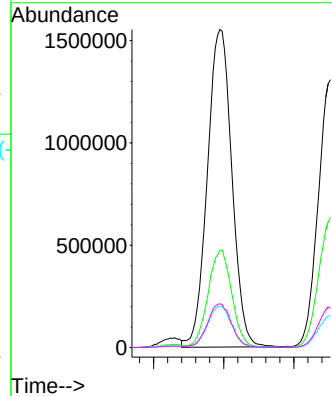
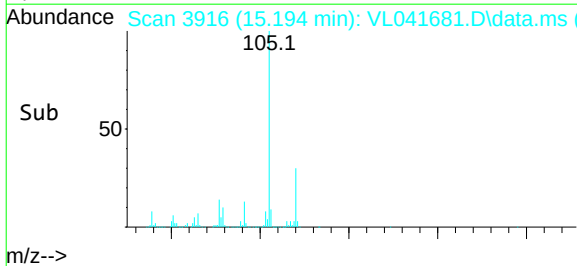
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024

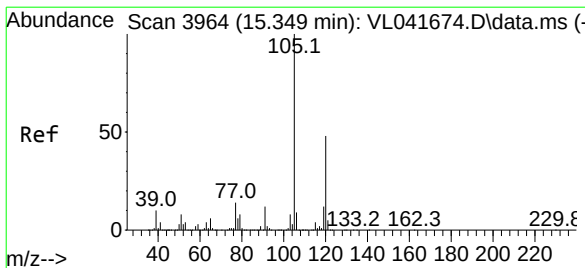


#72
4-Ethyltoluene
Concen: 10.522 ppbv
RT: 15.194 min Scan# 3916
Delta R.T. 0.003 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51



Tgt Ion:105 Resp: 3765544
Ion Ratio Lower Upper
105 100
120 30.8 25.0 37.4
91 12.7 10.6 15.8
77 14.1 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 10.077 ppbv

RT: 15.352 min Scan# 3964

Delta R.T. 0.003 min

Lab File: VL041681.D

Acq: 7 Nov 2024 14:51

Instrument :

MSVOA_L

ClientSampleId :

ICVVL110724

Tgt Ion:105 Resp: 3164645

Ion Ratio Lower Upper

105 100

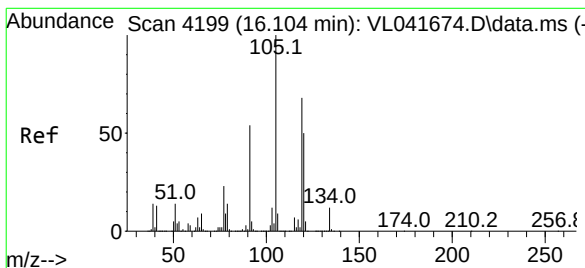
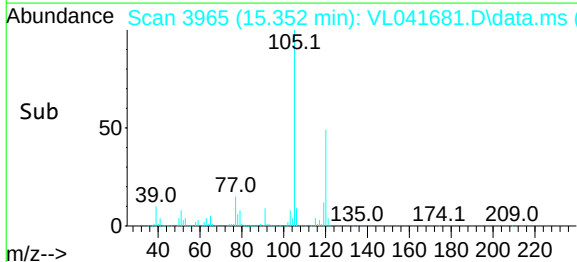
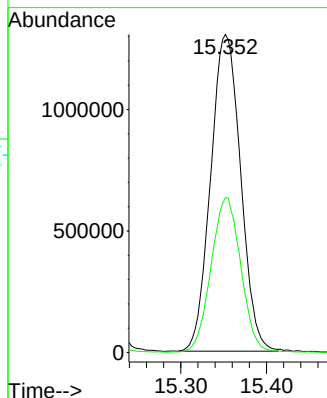
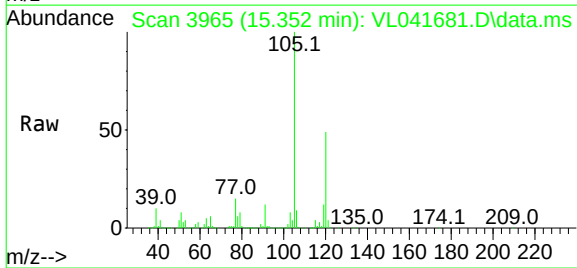
120 48.7 38.4 57.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024

Supervised By :Semsettin Yesilyurt 11/09/2024



#74

1,2,4-Trimethylbenzene

Concen: 9.621 ppbv

RT: 16.111 min Scan# 4201

Delta R.T. 0.006 min

Lab File: VL041681.D

Acq: 7 Nov 2024 14:51

Tgt Ion:105 Resp: 3509579

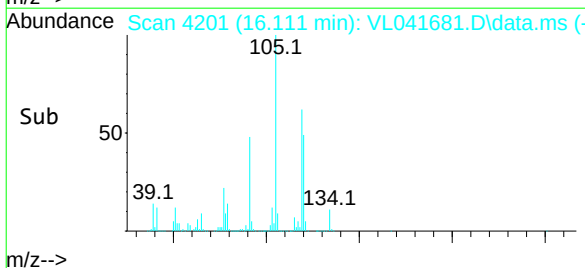
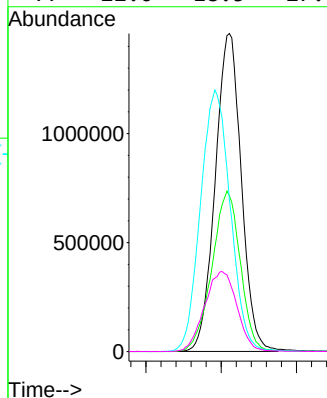
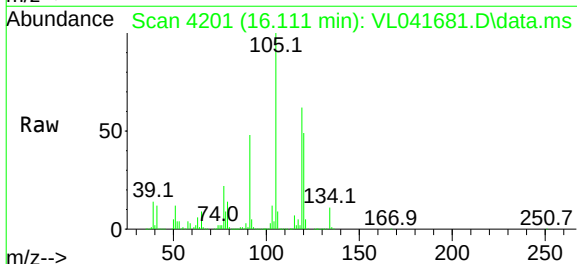
Ion Ratio Lower Upper

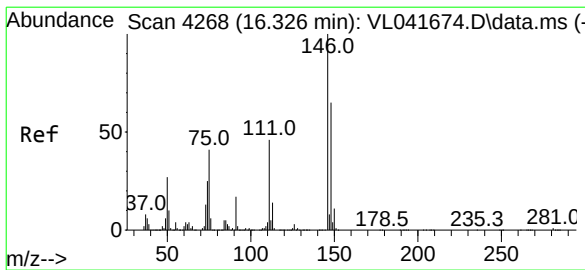
105 100

120 48.9 39.8 59.8

91 47.4 43.2 64.8

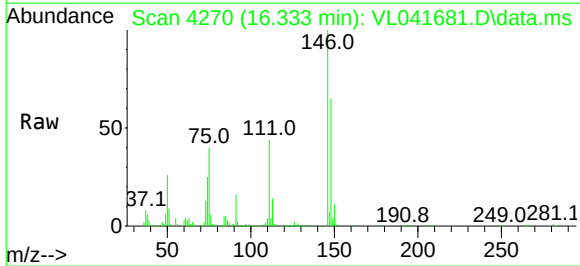
77 22.0 18.5 27.7





#75
1,3-Dichlorobenzene
Concen: 9.530 ppbv
RT: 16.333 min Scan# 4268
Delta R.T. 0.006 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

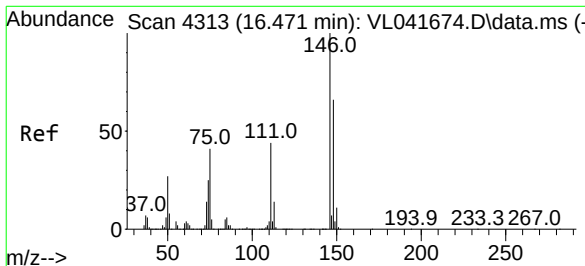
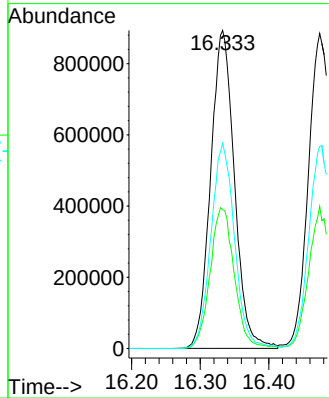
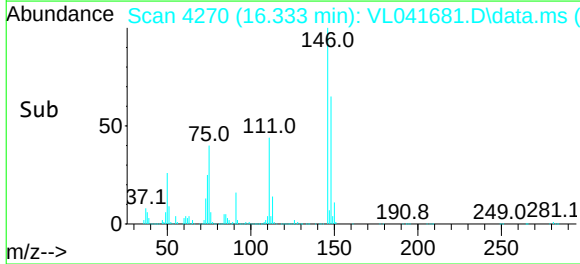
Instrument :
MSVOA_L
ClientSampleId :
ICVVL110724



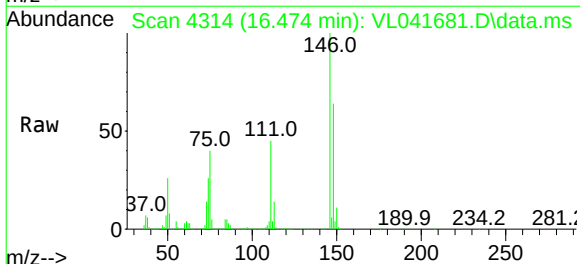
Tgt Ion:146 Resp: 2153016
Ion Ratio Lower Upper
146 100
111 45.1 22.8 68.3
148 64.3 32.4 97.0

Manual Integrations
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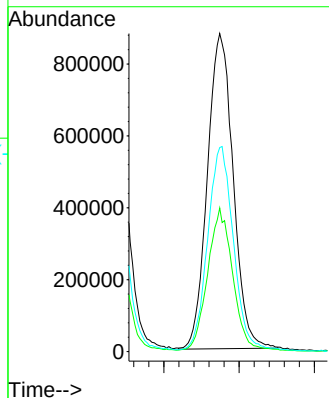
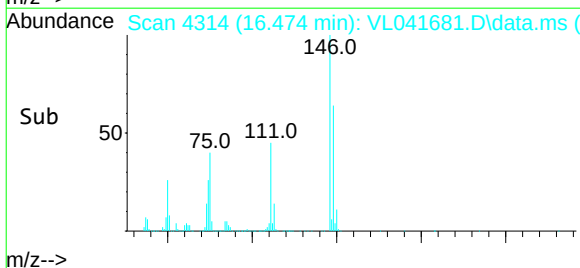
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024

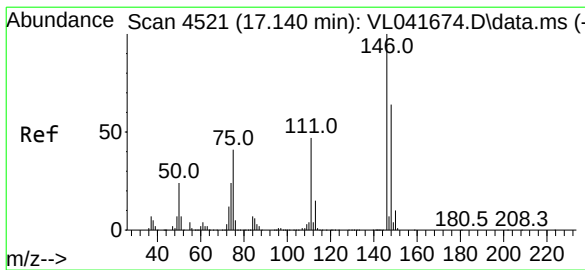


#76
1,4-Dichlorobenzene
Concen: 9.578 ppbv
RT: 16.474 min Scan# 4314
Delta R.T. 0.003 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51



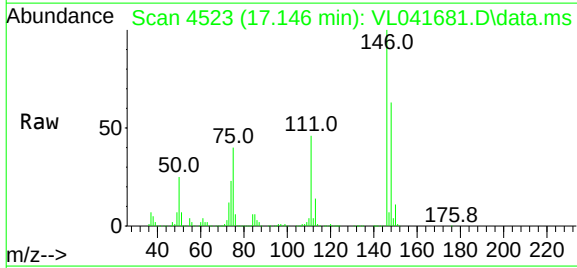
Tgt Ion:146 Resp: 2087766
Ion Ratio Lower Upper
146 100
111 44.7 22.1 66.3
148 65.8 33.3 99.8





#77
1,2-Dichlorobenzene
Concen: 9.280 ppbv
RT: 17.146 min Scan# 4521
Delta R.T. 0.006 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

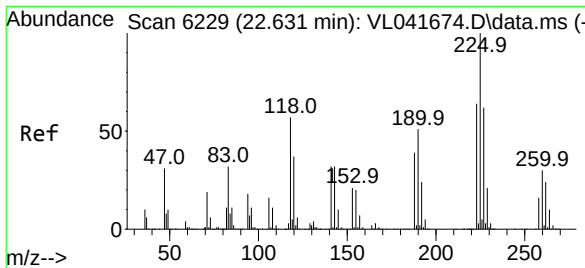
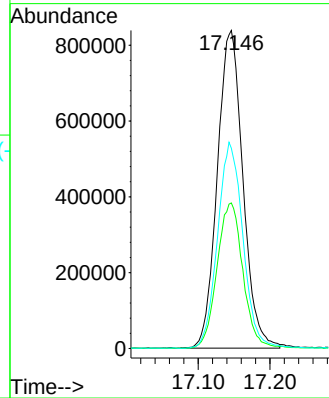
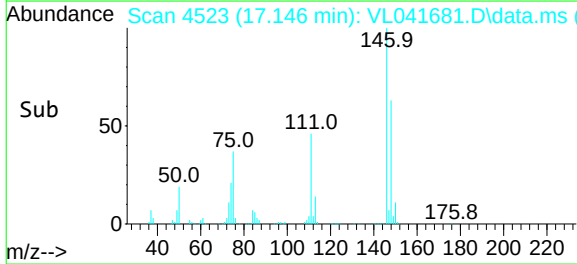
Instrument :
MSVOA_L
ClientSampleId :
ICVVL110724



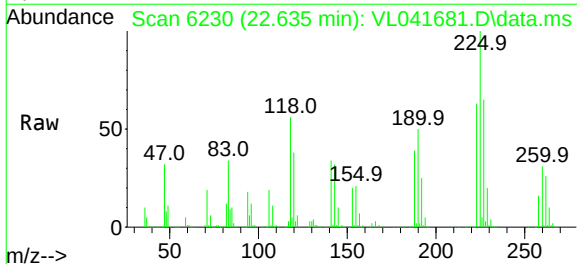
Tgt Ion:146 Resp: 2076942
Ion Ratio Lower Upper
146 100
111 0.0 23.4 70.3#
148 64.3 32.1 96.5

Manual Integrations
APPROVED

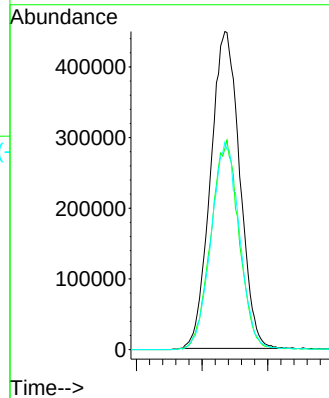
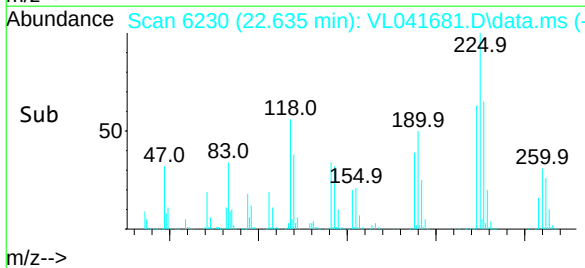
Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024

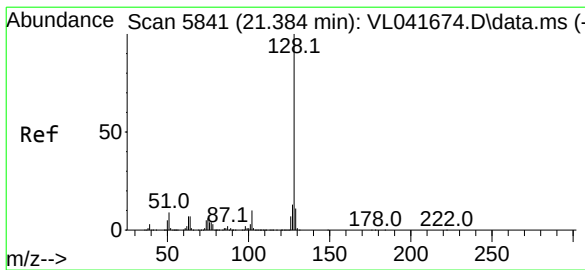


#78
Hexachloro-1,3-Butadiene
Concen: 7.801 ppbv
RT: 22.635 min Scan# 6230
Delta R.T. 0.003 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51



Tgt Ion:225 Resp: 1380777
Ion Ratio Lower Upper
225 100
223 64.4 51.1 76.7
227 64.3 51.3 76.9





#79

Naphthalene

Concen: 12.229 ppbv

RT: 21.384 min Scan# 5841

Delta R.T. 0.000 min

Lab File: VL041681.D

Acq: 7 Nov 2024 14:51

Instrument :

MSVOA_L

ClientSampleId :

ICVVL110724

Tgt Ion:128 Resp: 2753473

Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

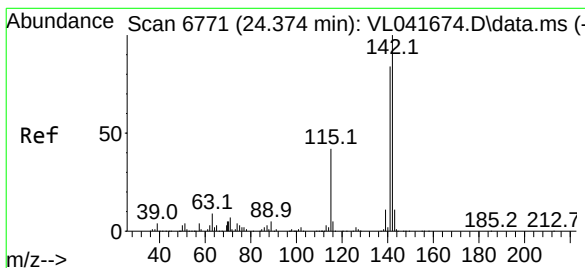
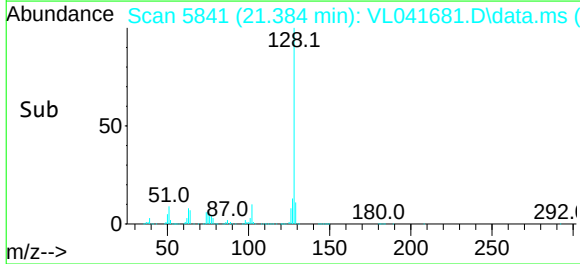
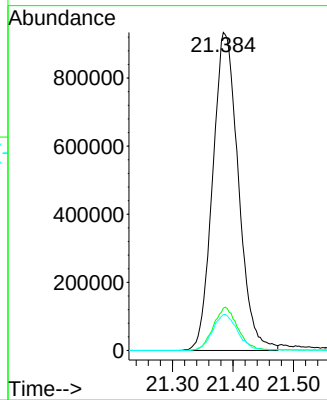
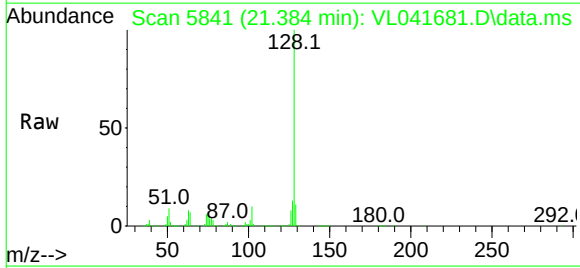
129 11.3 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024

Supervised By :Semsettin Yesilyurt 11/09/2024



#80

Naphthalene,2-methyl-

Concen: 11.866 ppbv

RT: 24.374 min Scan# 6771

Delta R.T. 0.000 min

Lab File: VL041681.D

Acq: 7 Nov 2024 14:51

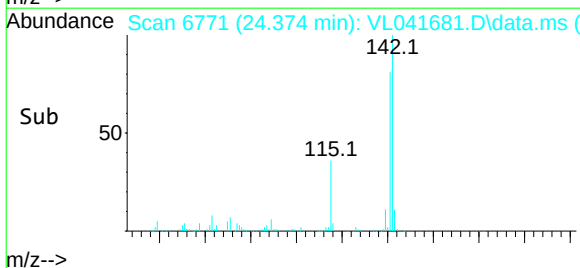
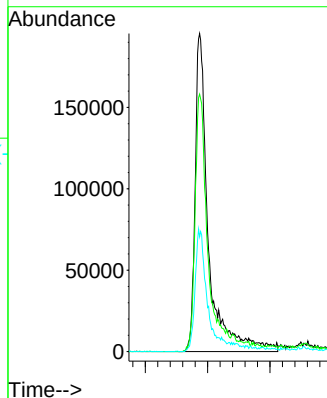
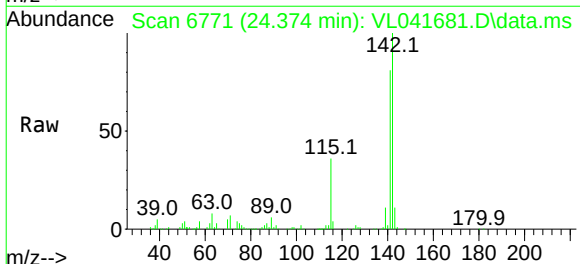
Tgt Ion:142 Resp: 582436

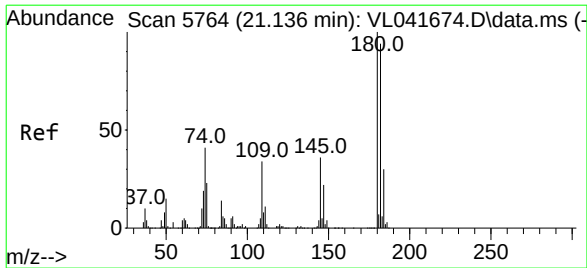
Ion Ratio Lower Upper

142 100

141 79.2 68.1 102.1

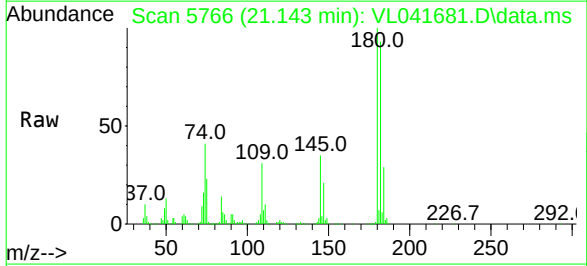
115 36.8 33.1 49.7





#81
1,2,4-Trichlorobenzene
Concen: 9.985 ppbv
RT: 21.143 min Scan# 5766
Delta R.T. 0.006 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

Instrument :
MSVOA_L
ClientSampleId :
ICVVL110724

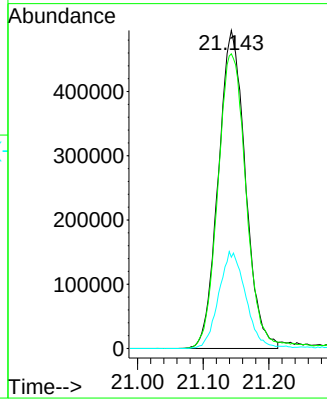
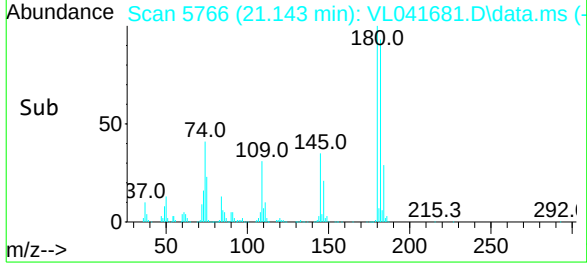


Tgt Ion:180 Resp: 1413820

Ion	Ratio	Lower	Upper
180	100		
182	97.5	78.2	117.2
184	31.2	25.0	37.4

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
 Data File : VL041681.D
 Acq On : 7 Nov 2024 14:51
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICSVVL110724

Quant Time: Nov 08 01:08:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Nov 08 01:01:00 2024
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	1.000	1.000	0.0	104	0.00
2 T	Dichlorodifluoromethane	1.807	1.472	18.5	81	0.00
3	Chlorodifluoromethane	1.303	1.173	10.0	103	0.00
4	Chloromethane	0.690	0.646	6.4	104	0.00
5 T	Vinyl Chloride	0.621	0.635	-2.3	106	0.00
6 T	Bromomethane	0.329	0.311	5.5	102	0.00
7	Chloroethane	0.227	0.218	4.0	102	0.00
8 T	Dichlorotetrafluoroethane	1.613	1.438	10.8	101	0.00
9 T	Propene	0.568	0.562	1.1	110	0.00
10 T	Heptane	1.272	1.331	-4.6	106	0.00
11 T	Trichlorofluoromethane	1.574	1.407	10.6	99	0.00
12 T	1,1,2-Trichlorotrifluoroeth	1.144	1.056	7.7	102	0.00
13	Ethanol	0.035	0.034#	2.9	124	0.00
14 T	Bromoethene	0.460	0.449	2.4	108	0.00
15 T	Acetone	1.231	1.073	12.8	102	0.00
16 T	1,3-Butadiene	0.621	0.625	-0.6	104	0.00
17	tert-Butyl alcohol	1.080	1.166	-8.0	117	0.00
18 T	1,1-Dichloroethene	0.502	0.483	3.8	106	0.00
19 T	Isopropyl Alcohol	0.588	0.625	-6.3	118	0.00
20 T	Methylene Chloride	0.453	0.403	11.0	105	0.00
21 T	Allyl Chloride	0.761	0.781	-2.6	107	0.00
22 T	trans-1,2-Dichloroethene	0.499	0.494	1.0	106	0.00
23 T	Vinyl Acetate	0.543	0.541	0.4	110	0.00
24 T	1,1-Dichloroethane	1.114	1.022	8.3	102	0.00
25 T	Ethyl Acetate	2.548	2.509	1.5	106	0.00
26 T	Hexane	0.979	1.002	-2.3	108	0.00
27 T	Carbon Disulfide	1.100	1.171	-6.5	104	0.00
28 T	Methyl tert-Butyl Ether	0.630	0.627	0.5	114	0.00
29 T	Chloroform	1.616	1.481	8.4	101	0.00
30 T	Cyclohexane	0.833	0.850	-2.0	107	0.00
31 T	cis-1,2-Dichloroethene	0.942	0.977	-3.7	109	0.00
32 T	1,1,1-Trichloroethane	1.474	1.474	0.0	103	0.00
33 I	1,4-Difluorobenzene	1.000	1.000	0.0	104	0.00
34 T	2-Butanone	0.498	0.517	-3.8	112	0.00
35 T	Carbon Tetrachloride	0.528	0.540	-2.3	99	0.00
36 T	Benzene	0.741	0.756	-2.0	106	0.00
37 T	1,2-Dichloroethane	0.418	0.407	2.6	103	0.00
38 T	Trichloroethene	0.285	0.301	-5.6	103	0.00
39 T	1,2-Dichloropropane	0.293	0.291	0.7	106	0.00
40 T	1,4-Dioxane	0.105	0.111	-5.7	104	0.00
41 T	Tetrahydrofuran	0.284	0.315	-10.9	111	0.00
42 T	Bromodichloromethane	0.581	0.581	0.0	102	0.00
43	Methyl Methacrylate	0.260	0.298	-14.6	108	0.00
44 T	2,2,4-Trimethylpentane	1.255	1.257	-0.2	104	0.00
45 T	t-1,3-Dichloropropene	0.238	0.289	-21.4	106	0.00
46 T	cis-1,3-Dichloropropene	0.341	0.395	-15.8	106	0.00
47 T	1,1,2-Trichloroethane	0.317	0.304	4.1	102	0.00
48 T	Dibromochloromethane	0.482	0.502	-4.1	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
 Data File : VL041681.D
 Acq On : 7 Nov 2024 14:51
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICSVVL110724

Quant Time: Nov 08 01:08:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Nov 08 01:01:00 2024
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	Bromoform	0.412	0.434	-5.3	98	0.00
50 T	4-Methyl-2-Pentanone	0.764	0.804	-5.2	103	0.00
51 T	2-Hexanone	0.557	0.630	-13.1	104	0.00
52 T	Tetrachloroethene	0.252	0.275	-9.1	104	0.00
53 T	Toluene	0.779	0.857	-10.0	104	0.00
54 T	1,2-Dibromoethane	0.370	0.409	-10.5	102	0.00
55 I	Chlorobenzene-d5	1.000	1.000	0.0	99	0.00
56	1,1,1,2-Tetrachloroethane	0.412	0.380	7.8	99	0.00
57 T	Chlorobenzene	0.740	0.680	8.1	100	0.00
58 T	Ethyl Benzene	1.096	1.173	-7.0	102	0.00
59 T	m/p-Xylene	0.982	0.983	-0.1	100	0.00
60 T	o-Xylene	0.936	0.944	-0.9	99	0.00
61 T	Styrene	0.386	0.467	-21.0	101	0.00
62	Isopropylbenzene	1.446	1.401	3.1	99	0.00
63 T	1,1,2,2-Tetrachloroethane	0.689	0.651	5.5	98	0.00
64	n-propylbenzene	0.378	0.378	0.0	99	0.00
65	tert-Butylbenzene	1.299	1.255	3.4	99	0.00
66 T	Benzyl Chloride	0.100	0.101	-1.0	93	0.00
67	sec-Butylbenzene	1.831	1.755	4.2	99	0.00
68 S	1-Bromo-4-Fluorobenzene	0.737	0.725	1.6	100	0.00
69	p-Isopropyltoluene	1.481	1.472	0.6	98	0.00
70	n-Butylbenzene	1.515	1.509	0.4	99	0.00
71	2-Chlorotoluene	1.045	1.058	-1.2	99	0.00
72 T	4-Ethyltoluene	1.088	1.145	-5.2	100	0.00
73 T	1,3,5-Trimethylbenzene	0.955	0.962	-0.7	98	0.00
74 T	1,2,4-Trimethylbenzene	1.109	1.067	3.8	98	0.00
75 T	1,3-Dichlorobenzene	0.687	0.655	4.7	98	0.00
76 T	1,4-Dichlorobenzene	0.663	0.635	4.2	97	0.00
77 T	1,2-Dichlorobenzene	0.681	0.632	7.2	97	0.00
78 T	Hexachloro-1,3-Butadiene	0.538	0.420	21.9	97	0.00
79 T	Naphthalene	0.685	0.837	-22.2	99	0.00
80 T	Naphthalene,2-methyl-	0.149	0.177	-18.8	125	0.00
81 T	1,2,4-Trichlorobenzene	0.431	0.430	0.2	100	0.00

(#) = Out of Range

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P4633 SAS No.: P4633 SDG No.: P4633

Instrument ID: MSVOA_L Calibration Date/Time: 11/20/2024 08:09

Lab File ID: VL041697.D Init. Calib. Date(s): 11/07/2024 11/07/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:15 14:12

GC Column: RTX-1 ID: 0.32 (mm)

COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
Chlorodifluoromethane	0.467	0.449		-3.85	30
Dichlorodifluoromethane	1.807	1.905		5.42	30
Ethanol	0.035	0.031		-11.43	30
Chloromethane	0.690	0.681		-1.3	30
Vinyl Chloride	0.621	0.660		6.28	30
Ethyl Acetate	2.548	2.629		3.18	30
Bromomethane	0.329	0.342		3.95	30
Chloroethane	0.227	0.234		3.08	30
Tetrahydrofuran	0.284	0.314		10.56	30
Trichlorofluoromethane	1.574	1.584		0.63	30
1,1,2-Trichlorotrifluoroethane	1.144	1.149		0.44	30
Dichlorotetrafluoroethane	1.613	1.577		-2.23	30
Bromoethene	0.460	0.474		3.04	30
Propene	0.568	0.563		-0.88	30
tert-Butyl alcohol	1.080	1.099		1.76	30
Heptane	1.272	1.394		9.59	30
Isopropyl Alcohol	0.588	0.602		2.38	30
1,1-Dichloroethene	0.502	0.522		3.98	30
Acetone	1.231	1.217		-1.14	30
Carbon Disulfide	1.100	1.288		17.09	30
Methyl tert-Butyl Ether	0.630	0.620		-1.59	30
Methylene Chloride	0.453	0.432		-4.64	30
trans-1,2-Dichloroethene	0.499	0.530		6.21	30
Vinyl Acetate	0.543	0.566		4.24	30
1,1-Dichloroethane	1.114	1.148		3.05	30
Cyclohexane	0.833	0.887		6.48	30
2-Butanone	0.498	0.485		-2.61	30
Carbon Tetrachloride	0.528	0.592		12.12	30
cis-1,2-Dichloroethene	0.942	0.999		6.05	30
Chloroform	1.616	1.636		1.24	30
1,1,1-Trichloroethane	1.474	1.573		6.72	30
2,2,4-Trimethylpentane	1.255	1.323		5.42	30
Benzene	0.741	0.784		5.8	30
1,2-Dichloroethane	0.418	0.435		4.07	30
Trichloroethene	0.285	0.318		11.58	30
1,2-Dichloropropane	0.293	0.303		3.41	30
Bromodichloromethane	0.581	0.621		6.89	30
4-Methyl-2-Pentanone	0.764	0.837		9.56	30

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P4633 SAS No.: P4633 SDG No.: P4633

Instrument ID: MSVOA_L Calibration Date/Time: 11/20/2024 08:09

Lab File ID: VL041697.D Init. Calib. Date(s): 11/07/2024 11/07/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:15 14:12

GC Column: RTX-1 ID: 0.32 (mm)

COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
Toluene	0.779	0.897		15.15	30
t-1,3-Dichloropropene	0.238	0.301		26.47	30
cis-1,3-Dichloropropene	0.341	0.407		19.35	30
1,1,2-Trichloroethane	0.317	0.324		2.21	30
2-Hexanone	0.557	0.655		17.59	30
Dibromochloromethane	0.482	0.536		11.2	30
1,2-Dibromoethane	0.370	0.435		17.57	30
Tetrachloroethene	0.252	0.286		13.49	30
Chlorobenzene	0.740	0.714		-3.51	30
Ethyl Benzene	1.096	1.221		11.4	30
m/p-Xylene	0.982	1.041		6.01	30
o-Xylene	0.936	1.009		7.8	30
Styrene	0.386	0.484		25.39	30
Bromoform	0.412	0.475		15.29	30
Isopropylbenzene	1.446	1.487		2.84	30
1,1,2,2-Tetrachloroethane	0.689	0.703		2.03	30
2-Chlorotoluene	1.045	1.125		7.66	30
1,3,5-Trimethylbenzene	0.955	1.026		7.43	30
1,2,4-Trimethylbenzene	1.109	1.143		3.07	30
1,3-Dichlorobenzene	0.687	0.705		2.62	30
1,4-Dichlorobenzene	0.663	0.694		4.68	30
1,2-Dichlorobenzene	0.681	0.683		0.29	30
1,2,4-Trichlorobenzene	0.431	0.458		6.26	30
Hexachloro-1,3-Butadiene	0.538	0.453		-15.8	30
1,3-Butadiene	0.621	0.667		7.41	30
Naphthalene	0.685	0.892		30.22	30
4-Ethyltoluene	1.088	1.197		10.02	30
1-Bromo-4-Fluorobenzene	0.737	0.734		-0.41	30
Hexane	0.979	1.034		5.62	30
Allyl Chloride	0.761	0.820		7.75	30
Benzyl Chloride	0.100	0.118		18	30
1,4-Dioxane	105.056	115.887		10.31	30
Methyl Methacrylate	0.260	0.300		15.39	30

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_L\Data\VL112024\
 Data File : VL041697.D
 Acq On : 20 Nov 2024 8:09
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Nov 21 05:07:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Fri Nov 08 01:01:00 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 11/21/2024
 Supervised By : Mahesh Dadoda 11/21/2024

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

Internal Standards						
1) Bromochloromethane	5.205	49	1123466	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.668	114	3154537	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.481	117	3148626m	10.000	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	2309915	9.957	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.600%

Target Compounds	Qvalue					
2) Dichlorodifluoromethane	2.739	85	2140449	10.541	ppbv	99
3) Chlorodifluoromethane	2.684	51	1415484	9.670	ppbv	99
4) Chloromethane	2.822	50	765196	9.869	ppbv	97
5) Vinyl Chloride	2.931	62	741512	10.631	ppbv	98
6) Bromomethane	3.131	94	384455	10.391	ppbv	99
7) Chloroethane	3.208	64	262500	10.312	ppbv	99
8) Dichlorotetrafluoroethane	2.867	85	1772200	9.777	ppbv	99
9) Propene	2.703	41	632787	9.921	ppbv	99
10) Heptane	7.590	43	1565567	10.954	ppbv	100
11) Trichlorofluoromethane	3.575	101	1779018	10.058	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.076	101	1291192	10.044	ppbv	100
13) Ethanol	3.256	45	35224m	9.019	ppbv	
14) Bromoethene	3.375	108	532947	10.312	ppbv	97
15) Acetone	3.478	43	1367331	9.889	ppbv	100
16) 1,3-Butadiene	2.996	39	749348	10.741	ppbv	98
17) tert-Butyl alcohol	3.890	59	1234931	10.178	ppbv	100
18) 1,1-Dichloroethene	3.890	96	587002	10.411	ppbv	96
19) Isopropyl Alcohol	3.587	45	676609	10.238	ppbv	98
20) Methylene Chloride	3.944	84	485339	9.539	ppbv	97
21) Allyl Chloride	4.009	41	920766	10.777	ppbv	99
22) trans-1,2-Dichloroethene	4.459	96	595977	10.631	ppbv	97
23) Vinyl Acetate	4.639	43	635436	10.425	ppbv	98
24) 1,1-Dichloroethane	4.574	63	1289373	10.304	ppbv	99
25) Ethyl Acetate	5.214	43	2953915	10.321	ppbv	100
26) Hexane	5.224	57	1161873	10.567	ppbv	99
27) Carbon Disulfide	4.134	76	1447099	11.714	ppbv	100
28) Methyl tert-Butyl Ether	4.597	73	696845	9.841	ppbv	99
29) Chloroform	5.288	83	1838047	10.127	ppbv	99
30) Cyclohexane	6.616	84	996570	10.644	ppbv	98
31) cis-1,2-Dichloroethene	5.092	61	1122533	10.612	ppbv	98
32) 1,1,1-Trichloroethane	6.015	97	1767346	10.673	ppbv	99
34) 2-Butanone	4.796	43	1528409	9.731	ppbv	99
35) Carbon Tetrachloride	6.507	117	1867710	11.222	ppbv	99
36) Benzene	6.385	78	2472710	10.579	ppbv	97
37) 1,2-Dichloroethane	5.819	62	1372788	10.411	ppbv	99
38) Trichloroethene	7.304	130	1003555	11.179	ppbv	98
39) 1,2-Dichloropropane	7.089	63	955590	10.346	ppbv	97
40) 1,4-Dioxane	7.298	88	365570	11.031	ppbv	97
41) Tetrahydrofuran	5.568	42	989840	11.035	ppbv	100
42) Bromodichloromethane	7.262	83	1959114	10.692	ppbv	99
43) Methyl Methacrylate	7.488	69	946899	11.538	ppbv	98
44) 2,2,4-Trimethylpentane	7.340	57	4173715	10.542	ppbv	100
45) t-1,3-Dichloropropene	8.725	75	949613	12.663	ppbv	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112024\
 Data File : VL041697.D
 Acq On : 20 Nov 2024 8:09
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/21/2024
 Supervised By : Mahesh Dadoda 11/21/2024

Quant Time: Nov 21 05:07:41 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M

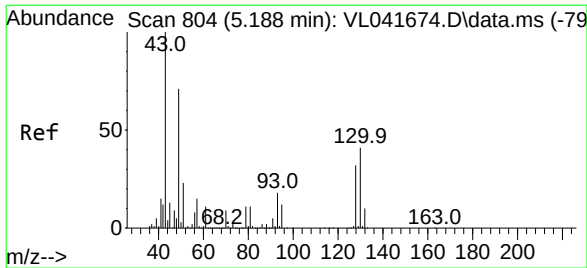
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Nov 08 01:01:00 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.156	75	1284127	11.922	ppbv	99
47) 1,1,2-Trichloroethane	8.915	97	1022170	10.225	ppbv	98
48) Dibromochloromethane	9.725	129	1691178	11.129	ppbv	99
49) Bromoform	12.420	173	1497113	11.514	ppbv	99
50) 4-Methyl-2-Pentanone	8.192	43	2640409	10.950	ppbv	99
51) 2-Hexanone	9.561	43	2067266	11.773	ppbv	100
52) Tetrachloroethene	10.629	164	902967	11.336	ppbv	98
53) Toluene	9.233	91	2828799	11.509	ppbv	100
54) 1,2-Dibromoethane	10.024	107	1372700	11.753	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.523	131	1283659	9.885	ppbv	100
57) Chlorobenzene	11.539	112	2247475	9.651	ppbv	98
58) Ethyl Benzene	12.102	91	3843108	11.134	ppbv	99
59) m/p-Xylene	12.384	91	6556478m	21.210	ppbv	
60) o-Xylene	13.073	91	3175724	10.774	ppbv	99
61) Styrene	12.909	104	1525338	12.538	ppbv	99
62) Isopropylbenzene	14.044	105	4683267	10.288	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.060	83	2214634	10.214	ppbv	99
64) n-propylbenzene	14.931	120	1265758	10.621	ppbv	99
65) tert-Butylbenzene	16.101	119	4189774	10.240	ppbv	100
66) Benzyl Chloride	16.342	91	370716	11.778	ppbv	99
67) sec-Butylbenzene	16.648	105	5882804	10.201	ppbv	99
69) p-Isopropyltoluene	17.008	119	4911348	10.535	ppbv	100
70) n-Butylbenzene	17.899	91	5076678	10.643	ppbv	100
71) 2-Chlorotoluene	14.812	91	3541658	10.763	ppbv	100
72) 4-Ethyltoluene	15.204	105	3768131	10.996	ppbv	99
73) 1,3,5-Trimethylbenzene	15.362	105	3230569	10.743	ppbv	100
74) 1,2,4-Trimethylbenzene	16.121	105	3599066	10.304	ppbv	98
75) 1,3-Dichlorobenzene	16.346	146	2220877	10.266	ppbv	99
76) 1,4-Dichlorobenzene	16.487	146	2183586	10.462	ppbv	98
77) 1,2-Dichlorobenzene	17.156	146	2149012	10.028	ppbv	99
78) Hexachloro-1,3-Butadiene	22.648	225	1424868	8.407	ppbv	100
79) Naphthalene	21.400	128	2807004	13.019	ppbv	99
80) Naphthalene,2-methyl-	24.387	142	555593	11.821	ppbv	97
81) 1,2,4-Trichlorobenzene	21.153	180	1441690	10.633	ppbv	99

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



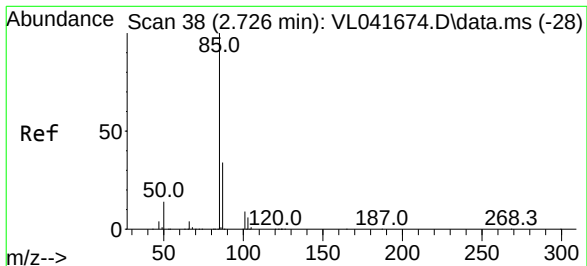
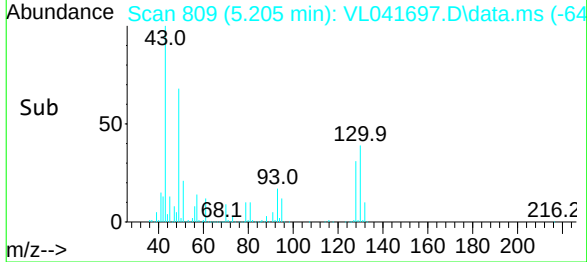
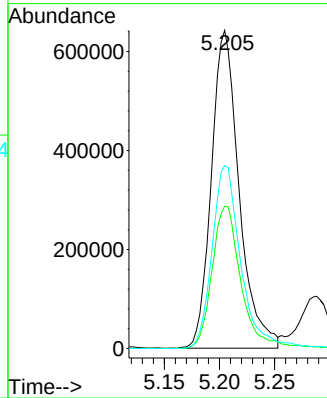
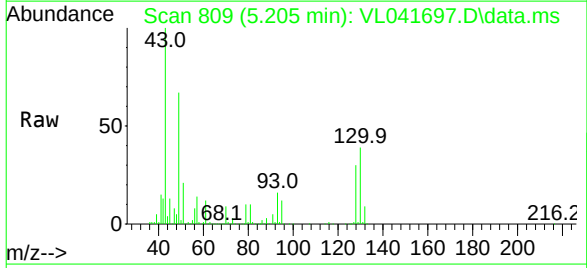
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Bromochloromethane
Concen: 10.000 ppbv
RT: 5.205 min Scan# 80
Delta R.T. 0.017 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 49 Resp: 1123466
Ion Ratio Lower Upper
49 100
128 47.1 23.8 71.2
130 61.0 30.1 90.5

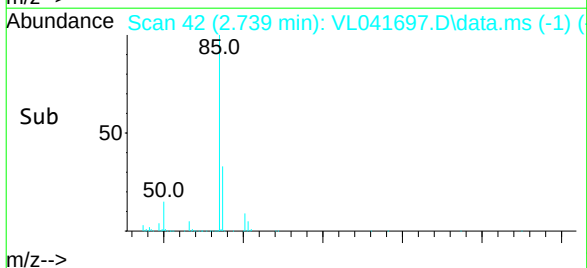
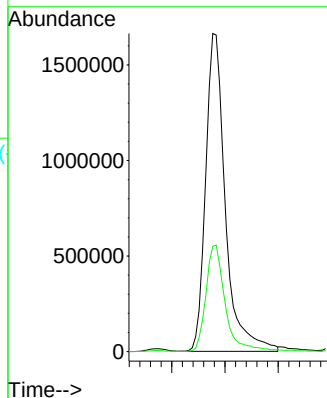
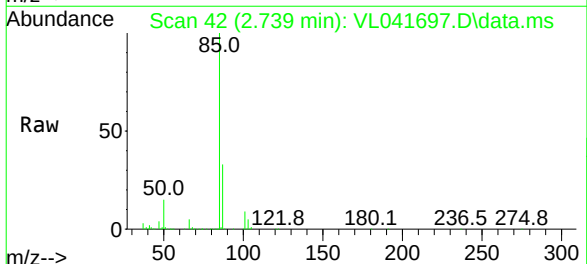
Manual Integrations
APPROVED

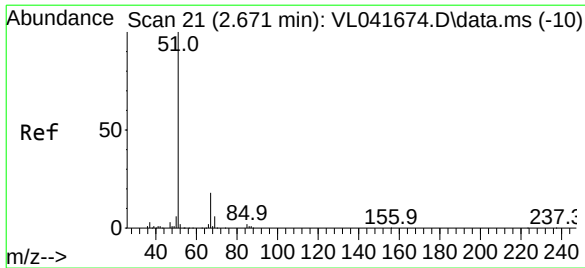
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



#2
Dichlorodifluoromethane
Concen: 10.541 ppbv
RT: 2.739 min Scan# 42
Delta R.T. 0.013 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

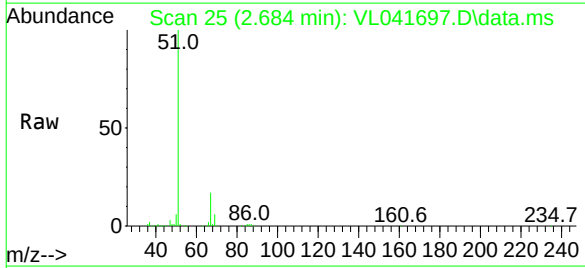
Tgt Ion: 85 Resp: 2140449
Ion Ratio Lower Upper
85 100
87 33.1 26.8 40.2





#3
Chlorodifluoromethane
Concen: 9.670 ppbv
RT: 2.684 min Scan# 25
Delta R.T. 0.013 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

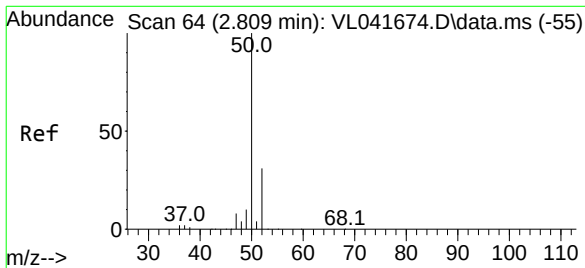
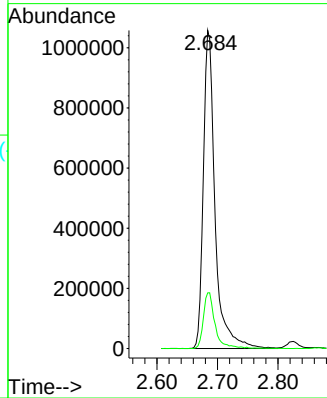
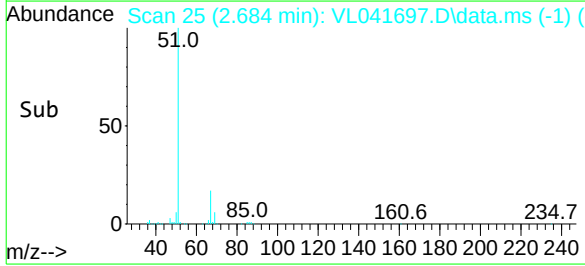
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 51 Resp: 1415484
Ion Ratio Lower Upper
51 100
67 17.6 13.9 20.9

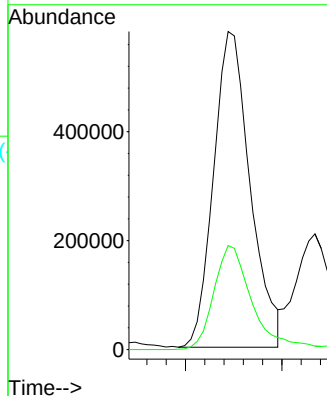
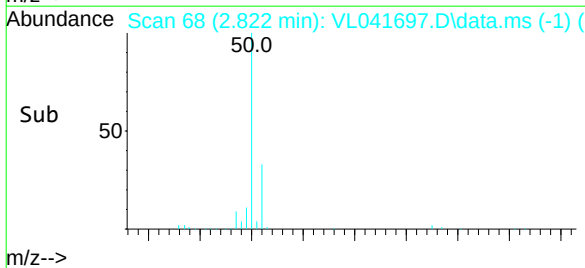
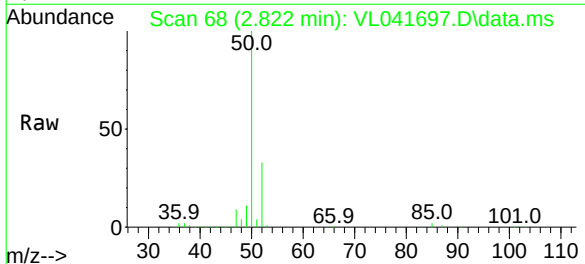
Manual Integrations
APPROVED

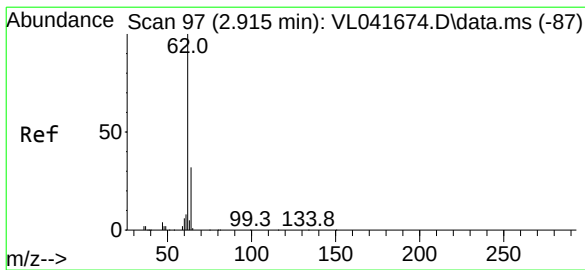
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



#4
Chloromethane
Concen: 9.869 ppbv
RT: 2.822 min Scan# 68
Delta R.T. 0.013 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Tgt Ion: 50 Resp: 765196
Ion Ratio Lower Upper
50 100
52 32.8 24.9 37.3





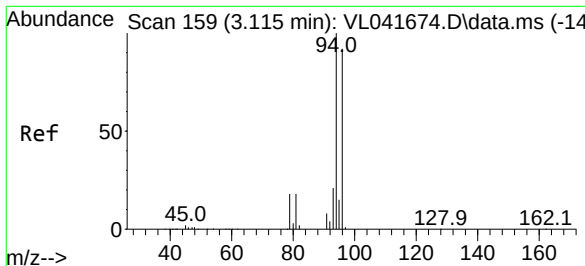
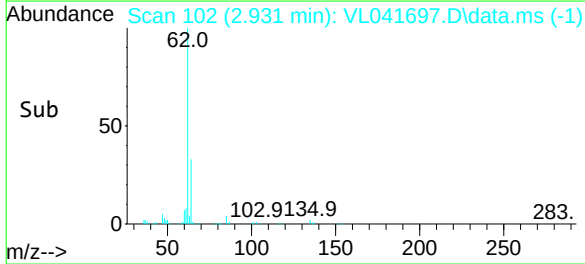
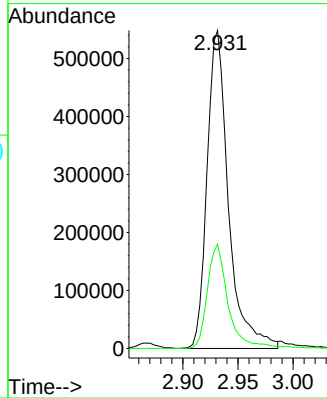
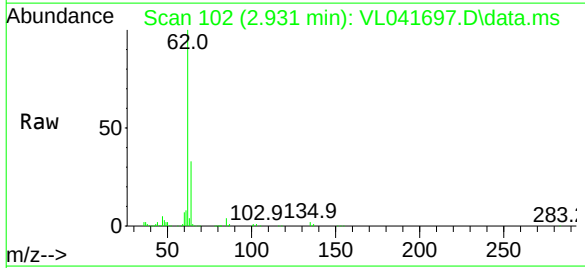
#5
 Vinyl Chloride
 Concen: 10.631 ppbv
 RT: 2.931 min Scan# 10
 Delta R.T. 0.016 min
 Lab File: VL041697.D
 Acq: 20 Nov 2024 8:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 62 Resp: 741512
 Ion Ratio Lower Upper
 62 100
 64 32.8 25.4 38.2

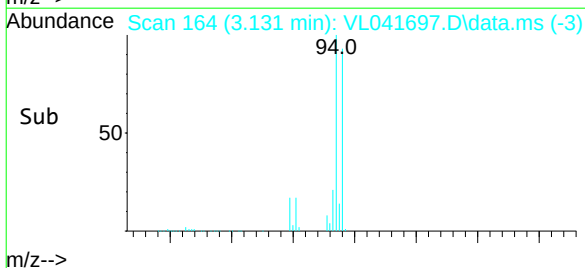
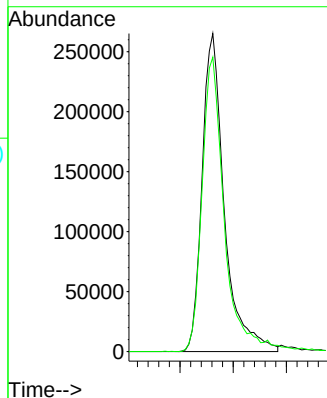
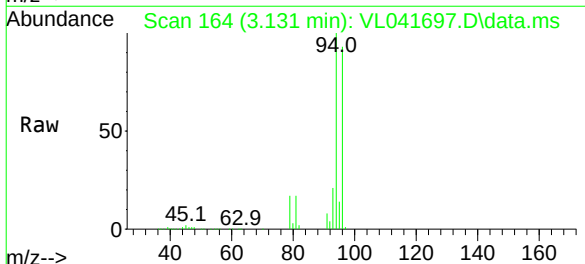
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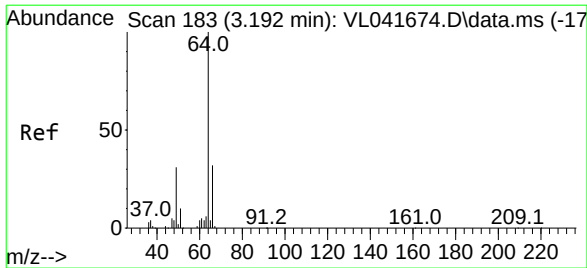
Reviewed By :Semsettin Yesilyurt 11/21/2024
 Supervised By :Mahesh Dadoda 11/21/2024



#6
 Bromomethane
 Concen: 10.391 ppbv
 RT: 3.131 min Scan# 164
 Delta R.T. 0.016 min
 Lab File: VL041697.D
 Acq: 20 Nov 2024 8:09

Tgt Ion: 94 Resp: 384455
 Ion Ratio Lower Upper
 94 100
 96 92.6 73.4 110.2





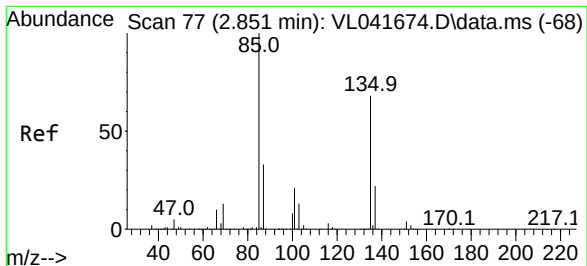
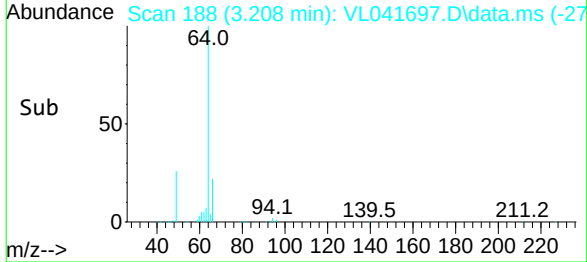
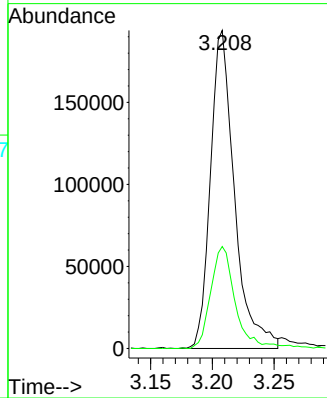
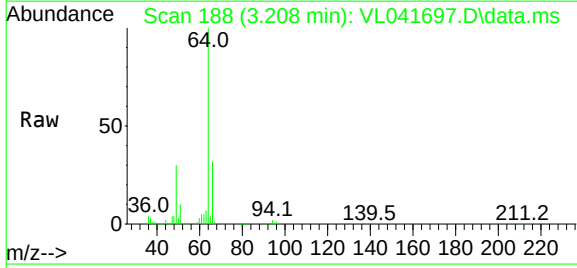
#7
Chloroethane
Concen: 10.312 ppbv
RT: 3.208 min Scan# 18
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 64 Resp: 262500
Ion Ratio Lower Upper
64 100
66 32.1 25.9 38.9

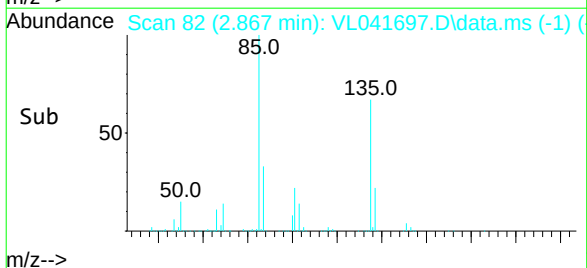
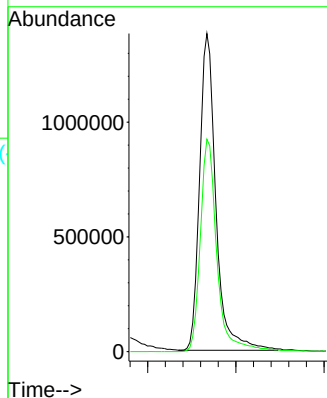
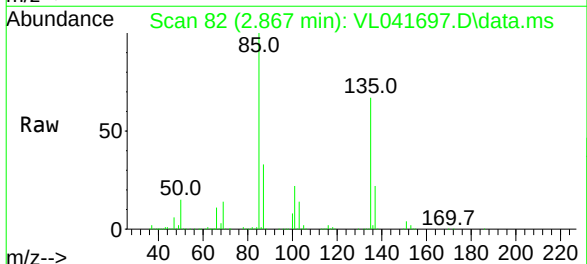
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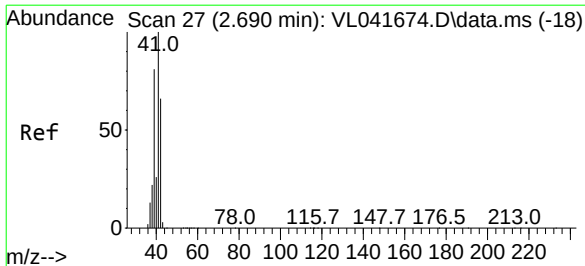
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



#8
Dichlorotetrafluoroethane
Concen: 9.777 ppbv
RT: 2.867 min Scan# 82
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Tgt Ion: 85 Resp: 1772200
Ion Ratio Lower Upper
85 100
135 68.7 55.5 83.3





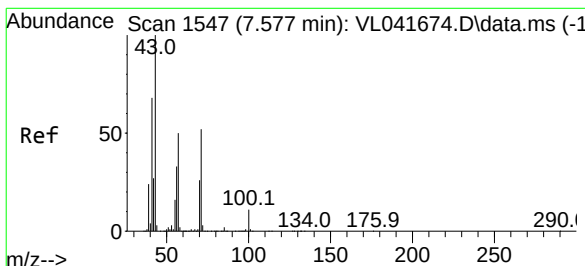
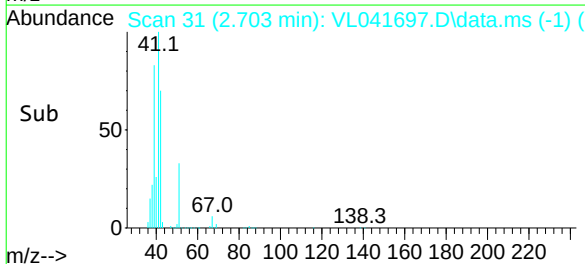
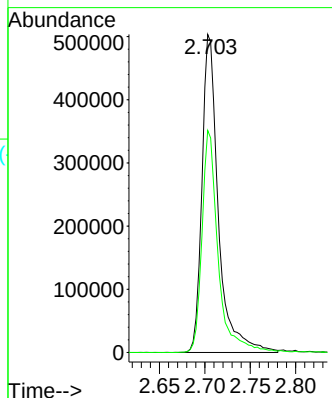
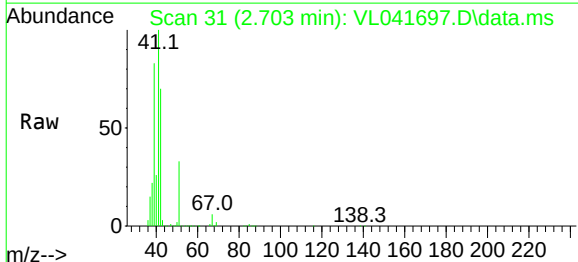
#9
Propene
Concen: 9.921 ppbv
RT: 2.703 min Scan# 31
Delta R.T. 0.013 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 632787
Ion Ratio Lower Upper
41 100
42 69.3 55.0 82.4

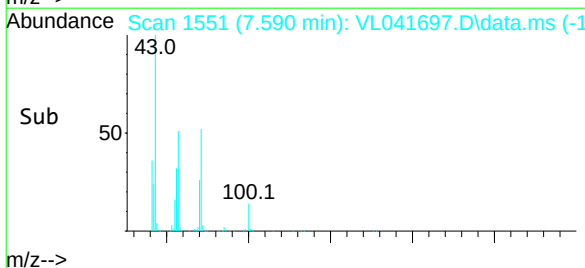
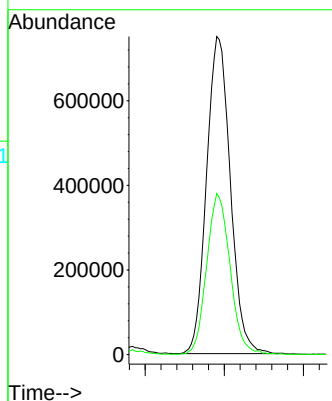
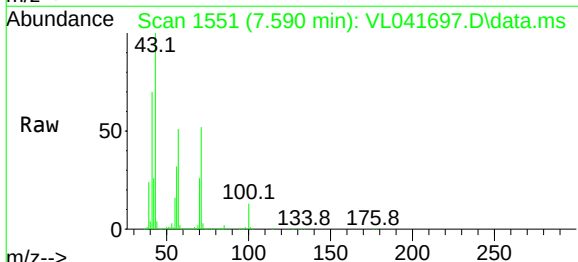
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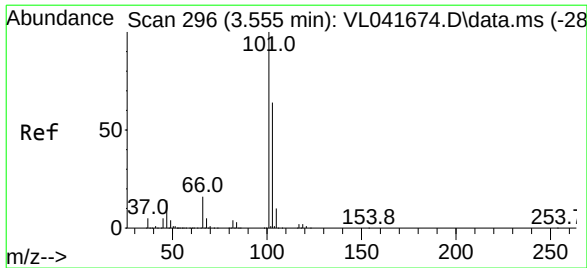
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



#10
Heptane
Concen: 10.954 ppbv
RT: 7.590 min Scan# 1551
Delta R.T. 0.013 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Tgt Ion: 43 Resp: 1565567
Ion Ratio Lower Upper
43 100
57 50.1 40.0 60.0





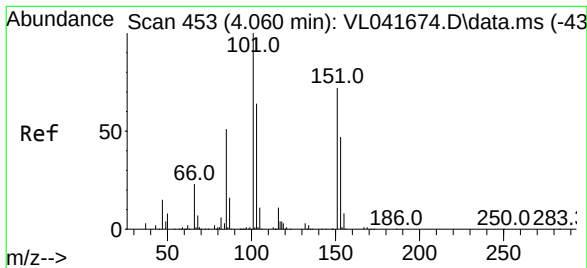
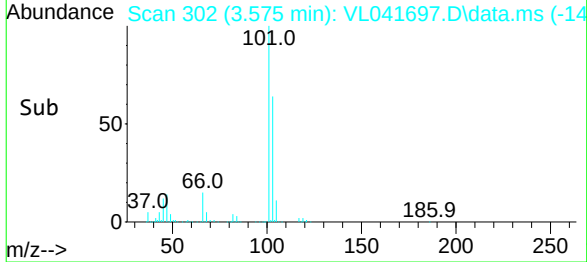
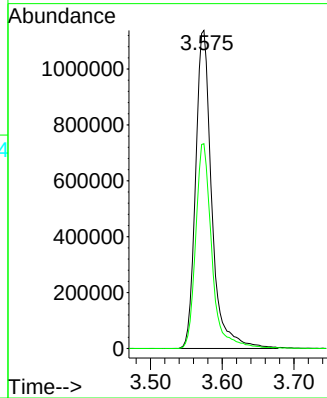
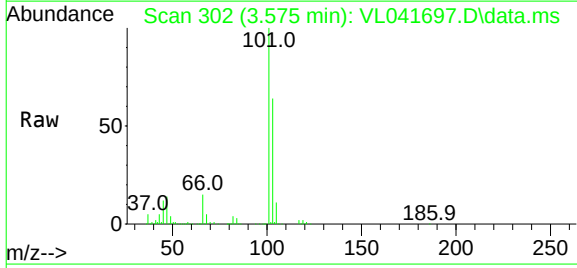
#11
Trichlorofluoromethane
Concen: 10.058 ppbv
RT: 3.575 min Scan# 301
Delta R.T. 0.019 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:101 Resp: 1779018
Ion Ratio Lower Upper
101 100
103 64.4 51.0 76.6

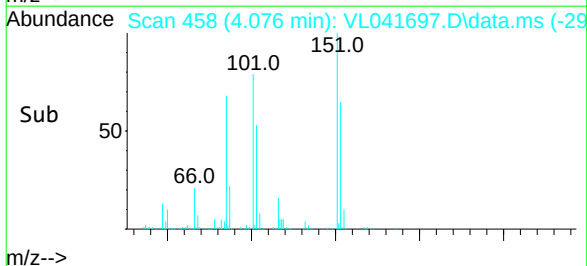
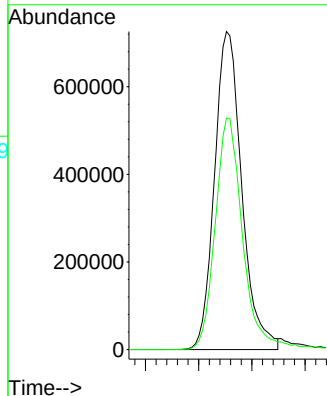
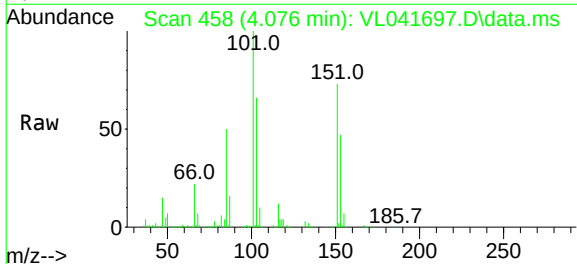
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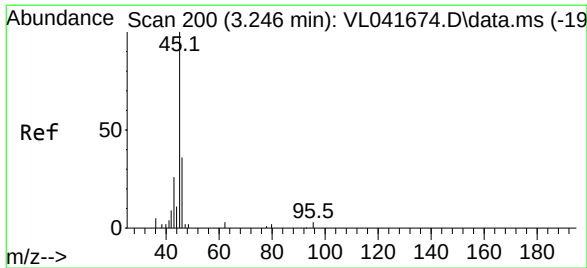
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



#12
1,1,2-Trichlorotrifluoroethane
Concen: 10.044 ppbv
RT: 4.076 min Scan# 458
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

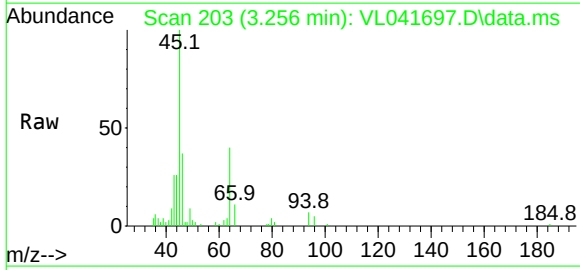
Tgt Ion:101 Resp: 1291192
Ion Ratio Lower Upper
101 100
151 74.0 59.1 88.7





#13
Ethanol
Concen: 9.019 ppbv
RT: 3.256 min Scan# 20
Delta R.T. 0.010 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

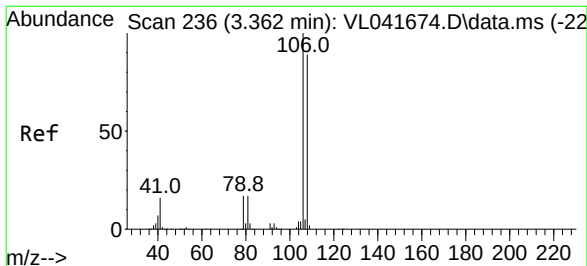
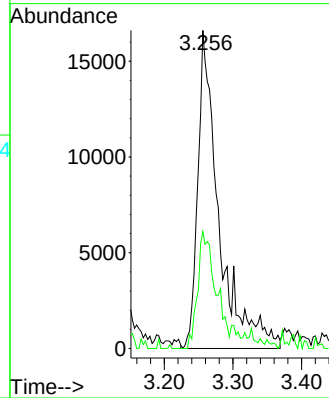
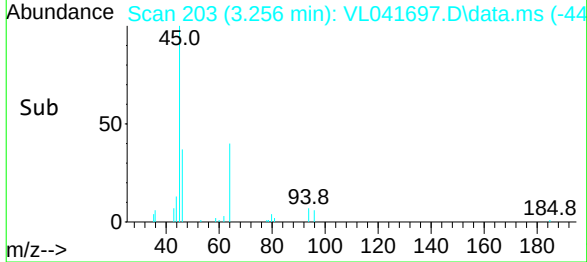
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 45 Resp: 35224
Ion Ratio Lower Upper
45 100
46 37.6 13.8 55.2

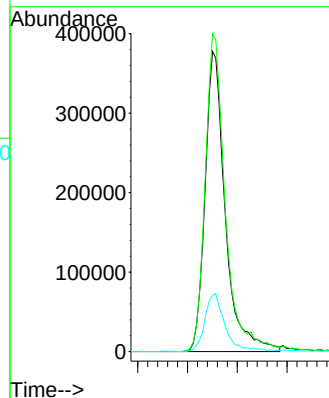
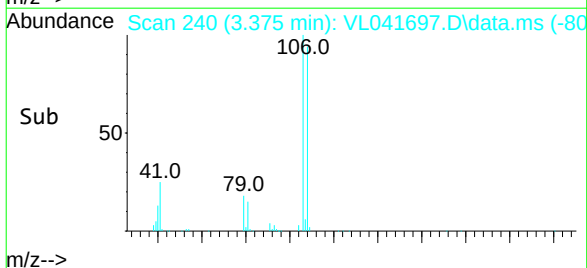
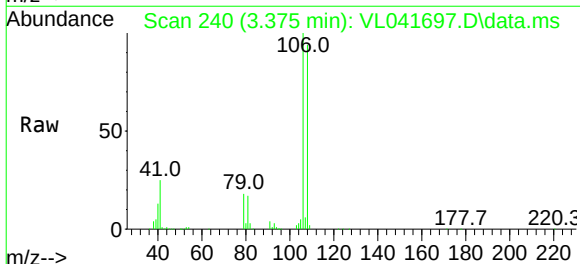
Manual Integrations
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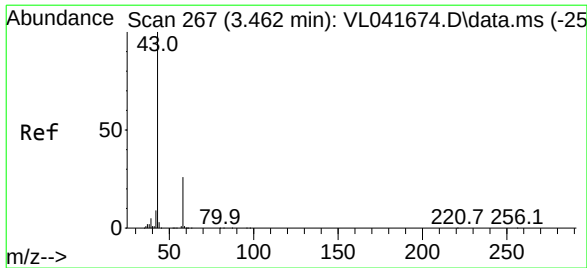
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



#14
Bromoethene
Concen: 10.312 ppbv
RT: 3.375 min Scan# 240
Delta R.T. 0.013 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Tgt Ion:108 Resp: 532947
Ion Ratio Lower Upper
108 100
106 107.3 88.6 133.0
79 20.3 15.6 23.4





#15

Acetone

Concen: 9.889 ppbv

RT: 3.478 min Scan# 27

Delta R.T. 0.016 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 1367331

Ion Ratio Lower Upper

43 100

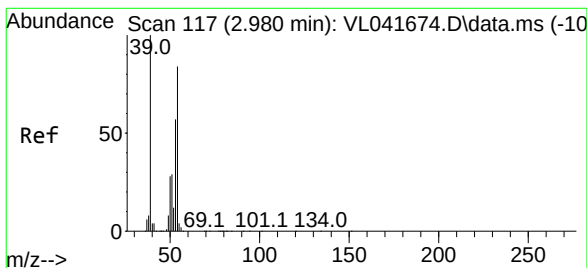
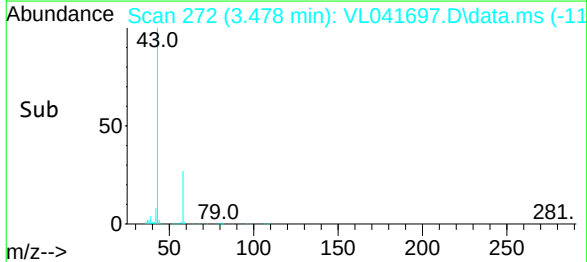
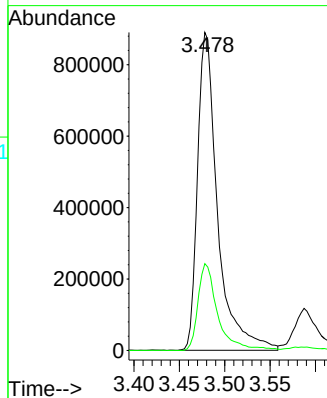
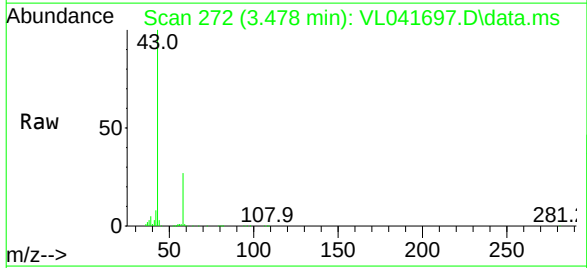
58 26.8 21.4 32.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/21/2024

Supervised By :Mahesh Dadoda 11/21/2024



#16

1,3-Butadiene

Concen: 10.741 ppbv

RT: 2.996 min Scan# 122

Delta R.T. 0.016 min

Lab File: VL041697.D

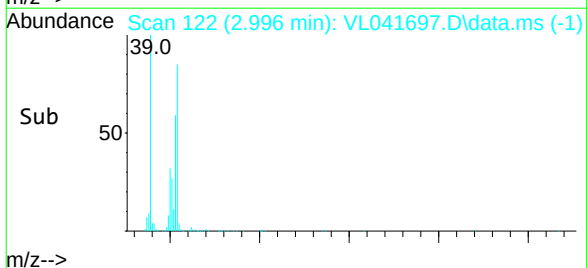
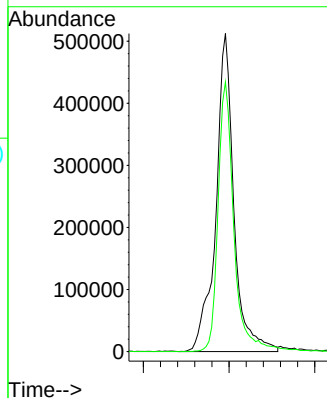
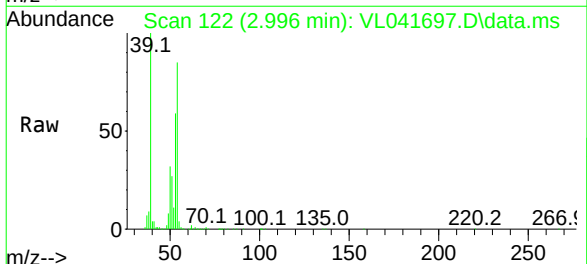
Acq: 20 Nov 2024 8:09

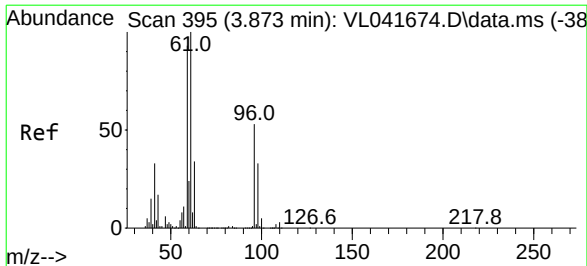
Tgt Ion: 39 Resp: 749348

Ion Ratio Lower Upper

39 100

54 74.9 61.3 91.9





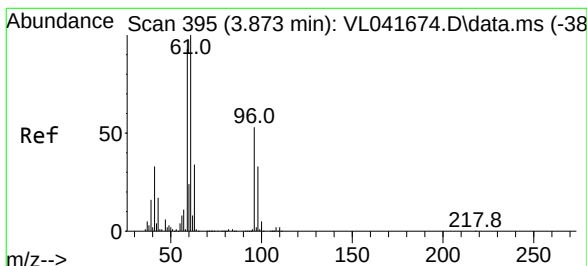
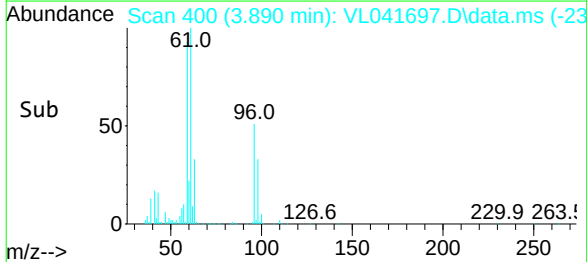
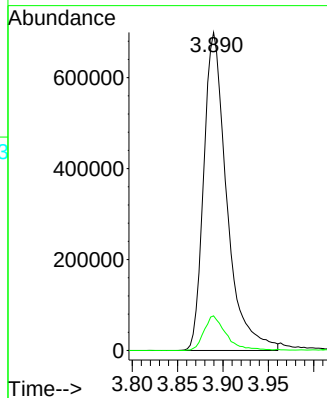
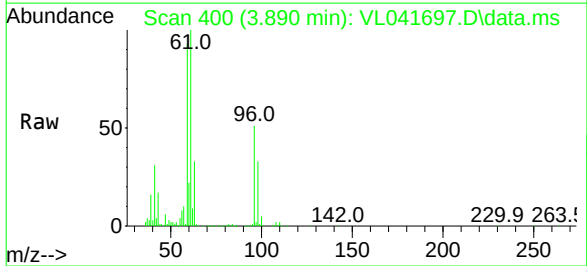
#17
tert-Butyl alcohol
Concen: 10.178 ppbv
RT: 3.890 min Scan# 400
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 59 Resp: 1234931
Ion Ratio Lower Upper
59 100
57 10.8 8.5 12.7

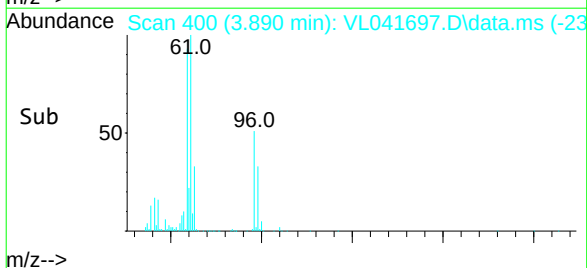
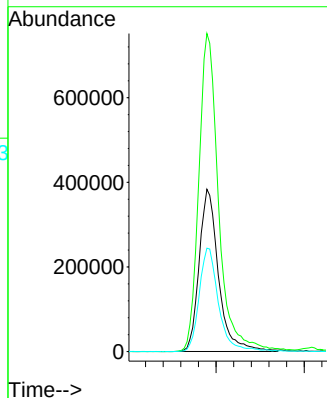
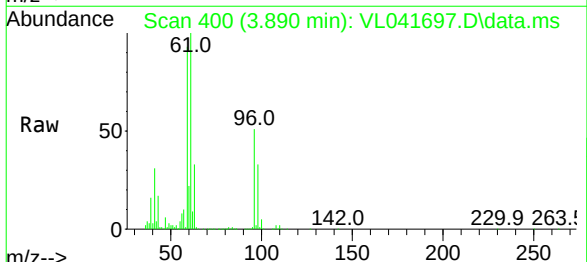
Manual Integrations
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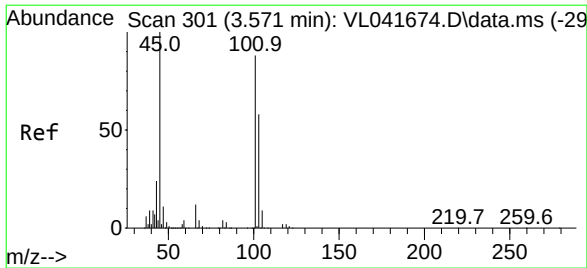
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



#18
1,1-Dichloroethene
Concen: 10.411 ppbv
RT: 3.890 min Scan# 400
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Tgt Ion: 96 Resp: 587002
Ion Ratio Lower Upper
96 100
61 195.7 150.7 226.1
98 63.6 49.4 74.2





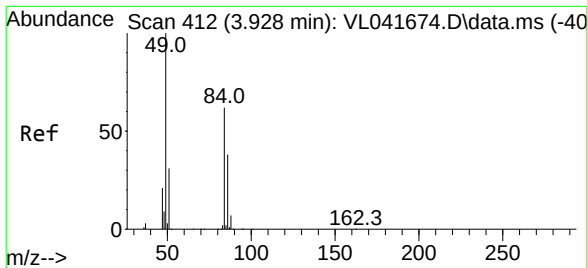
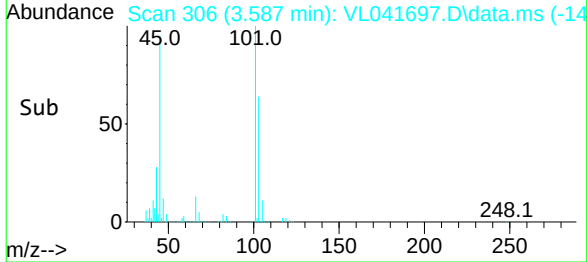
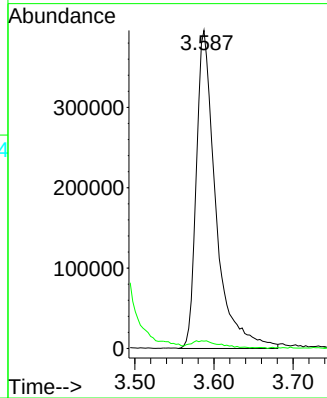
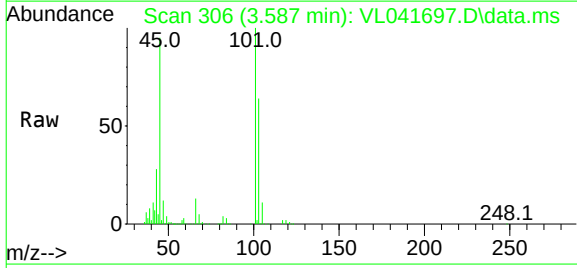
#19
Isopropyl Alcohol
Concen: 10.238 ppbv
RT: 3.587 min Scan# 301
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 676609
Ion Ratio Lower Upper
45 100
58 3.7 2.5 3.7

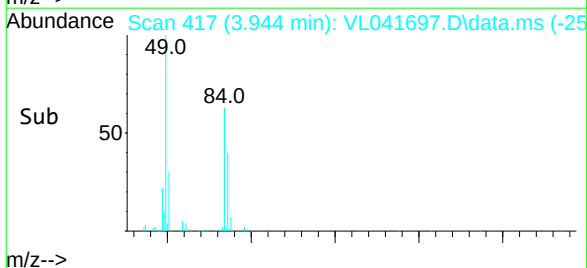
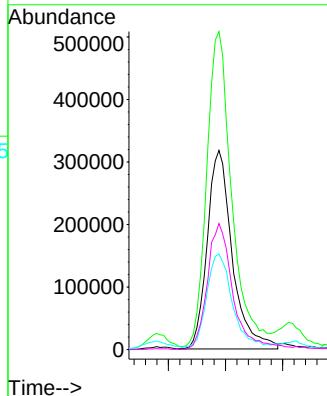
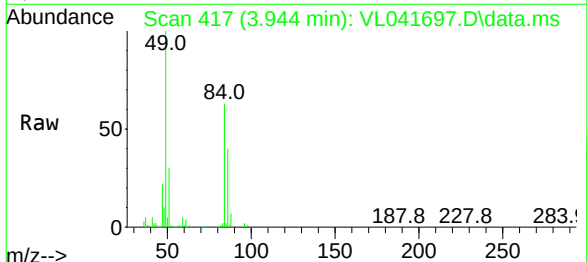
Manual Integrations
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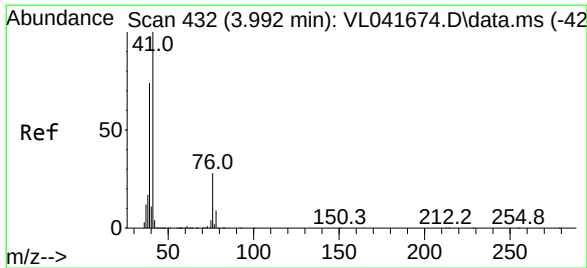
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



#20
Methylene Chloride
Concen: 9.539 ppbv
RT: 3.944 min Scan# 417
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Tgt Ion: 84 Resp: 485339
Ion Ratio Lower Upper
84 100
49 158.5 129.7 194.5
51 46.5 39.8 59.6
86 63.2 49.1 73.7





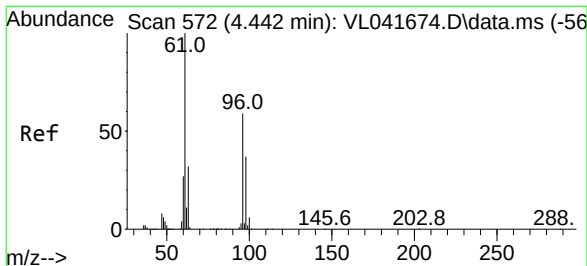
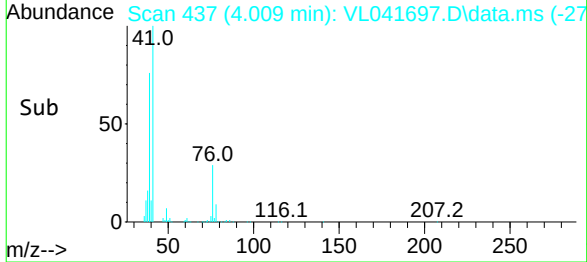
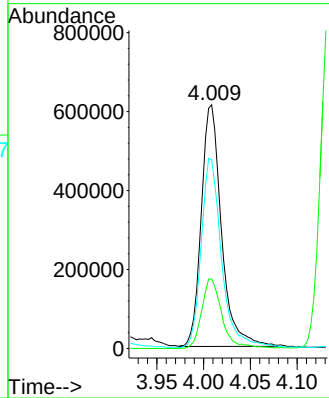
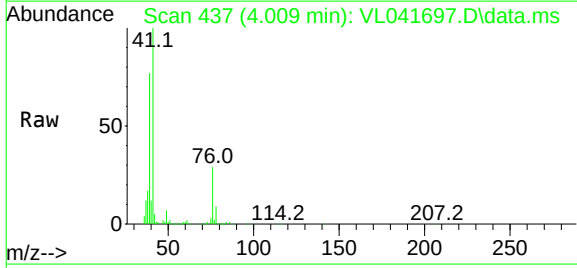
#21
Allyl Chloride
Concen: 10.777 ppbv
RT: 4.009 min Scan# 432
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 920766
Ion Ratio Lower Upper
41 100
76 29.1 23.5 35.3
39 79.3 63.0 94.4

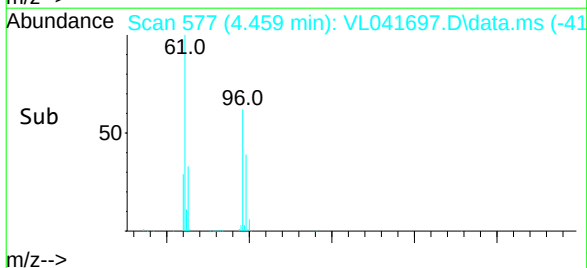
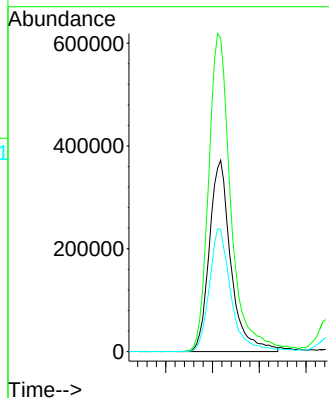
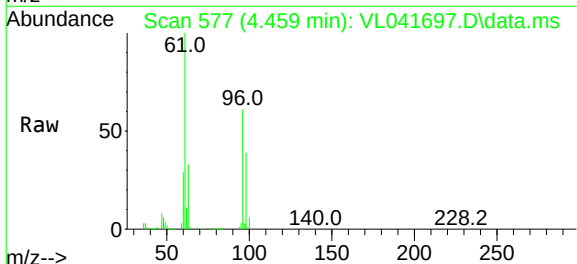
Manual Integrations
APPROVED

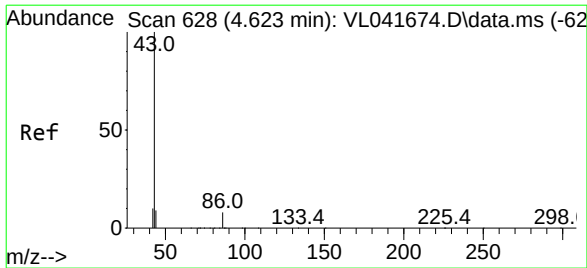
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



#22
trans-1,2-Dichloroethene
Concen: 10.631 ppbv
RT: 4.459 min Scan# 577
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Tgt Ion: 96 Resp: 595977
Ion Ratio Lower Upper
96 100
61 163.7 134.5 201.7
98 63.8 49.6 74.4





#23
 Vinyl Acetate
 Concen: 10.425 ppbv
 RT: 4.639 min Scan# 635
 Delta R.T. 0.016 min
 Lab File: VL041697.D
 Acq: 20 Nov 2024 8:09

Instrument :

MSVOA_L

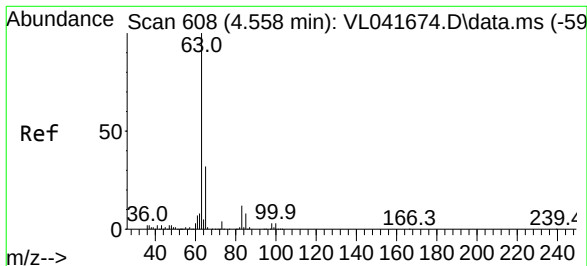
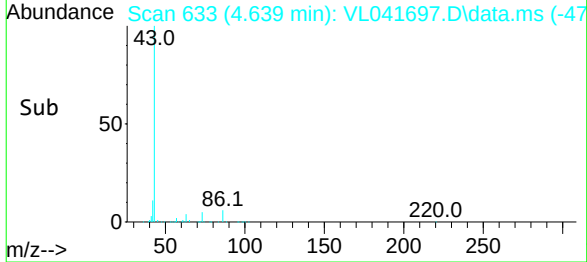
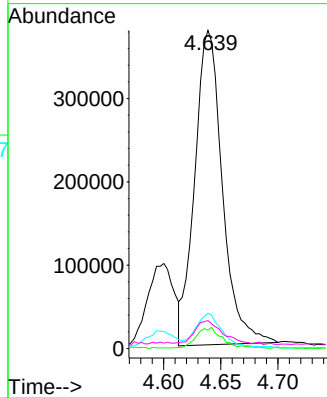
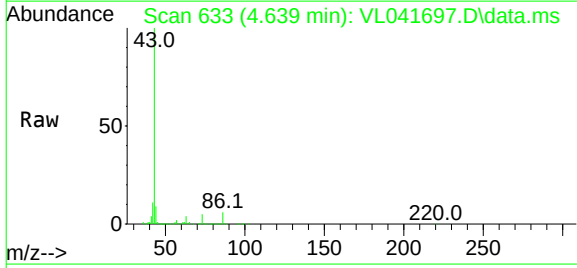
ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 635436
 Ion Ratio Lower Upper
 43 100
 86 5.6 5.3 7.9
 42 10.8 8.5 12.7
 44 7.6 6.7 10.1

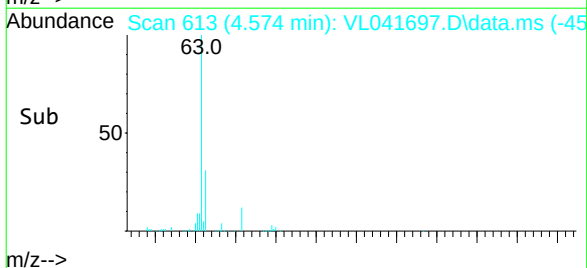
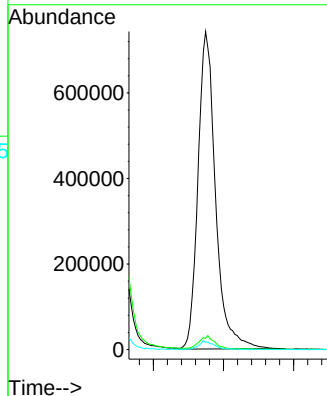
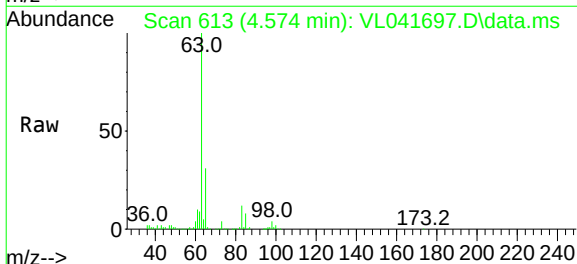
Manual Integrations
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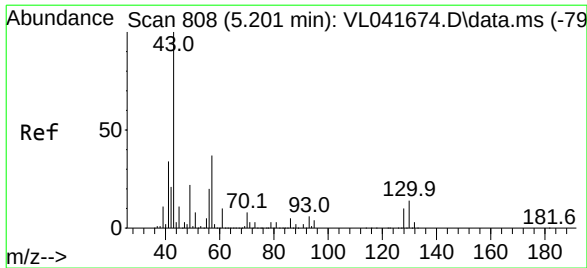
Reviewed By :Semsettin Yesilyurt 11/21/2024
 Supervised By :Mahesh Dadoda 11/21/2024



#24
 1,1-Dichloroethane
 Concen: 10.304 ppbv
 RT: 4.574 min Scan# 613
 Delta R.T. 0.016 min
 Lab File: VL041697.D
 Acq: 20 Nov 2024 8:09

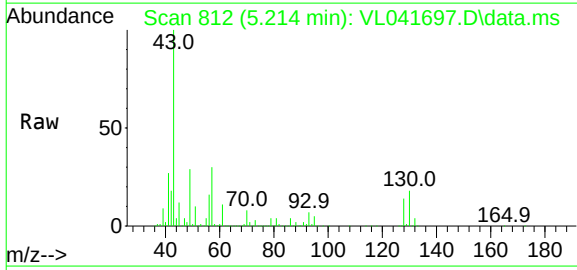
Tgt Ion: 63 Resp: 1289373
 Ion Ratio Lower Upper
 63 100
 98 3.5 1.8 5.4
 100 2.3 1.4 4.2





#25
Ethyl Acetate
Concen: 10.321 ppbv
RT: 5.214 min Scan# 815
Delta R.T. 0.013 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

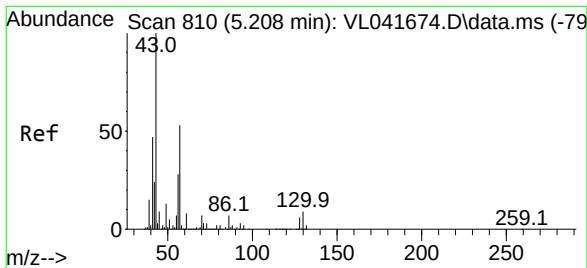
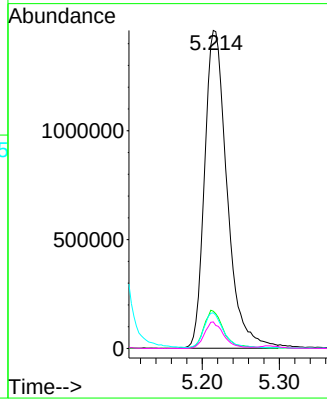
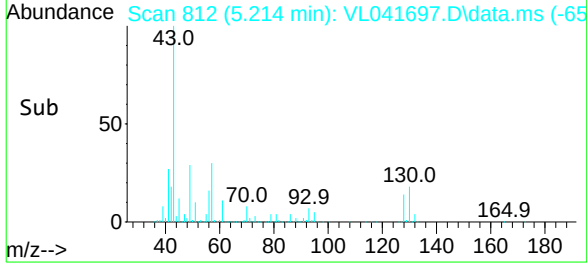
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



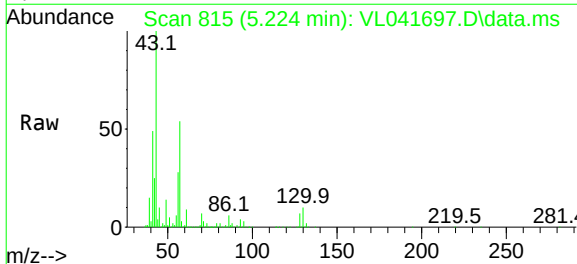
Tgt Ion: 43 Resp: 2953915
Ion Ratio Lower Upper
43 100
45 10.9 8.6 13.0
61 10.4 8.4 12.6
70 7.3 5.8 8.6

Manual Integrations
APPROVED

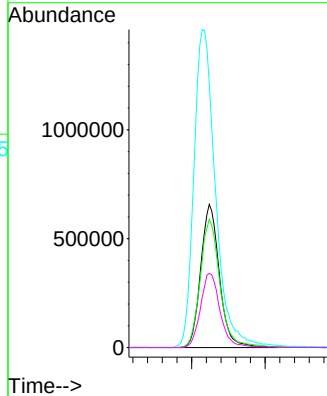
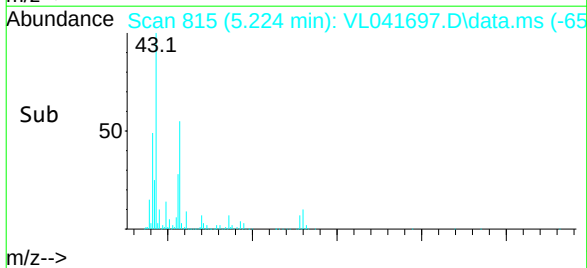
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024

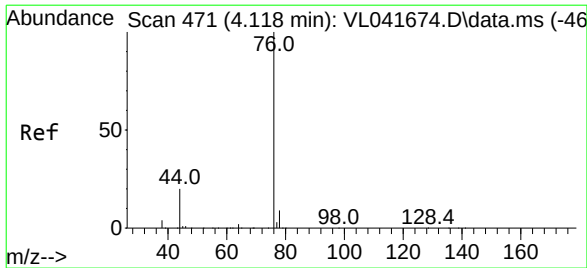


#26
Hexane
Concen: 10.567 ppbv
RT: 5.224 min Scan# 815
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09



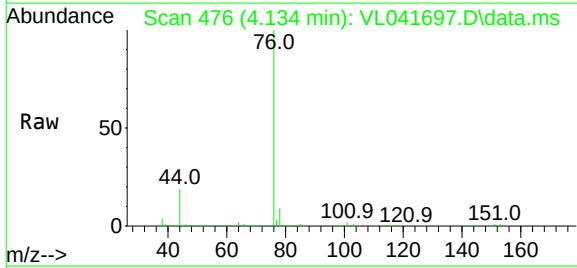
Tgt Ion: 57 Resp: 1161873
Ion Ratio Lower Upper
57 100
41 95.4 76.1 114.1
43 256.7 207.0 310.6
56 54.7 43.7 65.5





#27
Carbon Disulfide
Concen: 11.714 ppbv
RT: 4.134 min Scan# 471
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

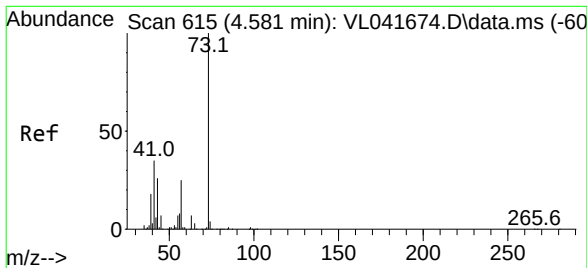
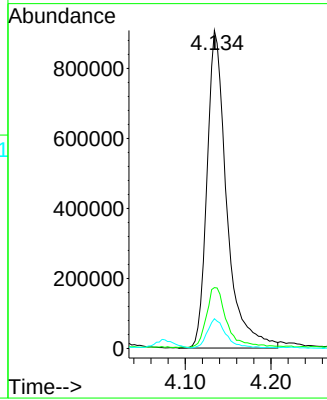
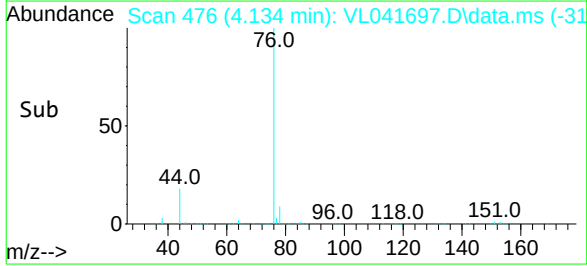
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



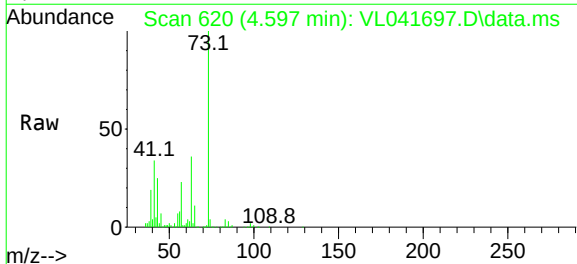
Tgt Ion: 76 Resp: 1447099
Ion Ratio Lower Upper
76 100
44 19.8 15.8 23.8
78 9.4 7.5 11.3

Manual Integrations
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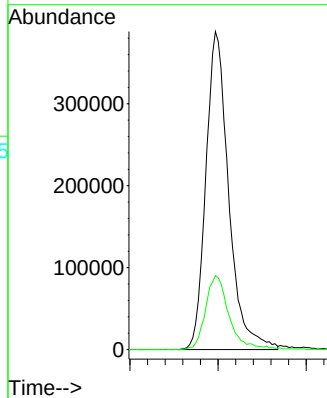
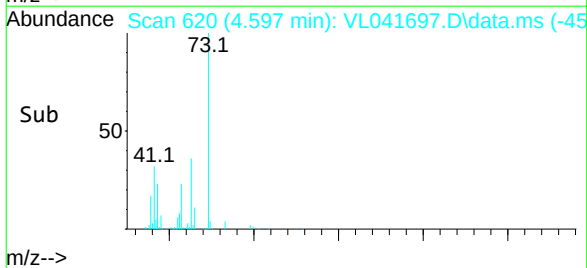
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024

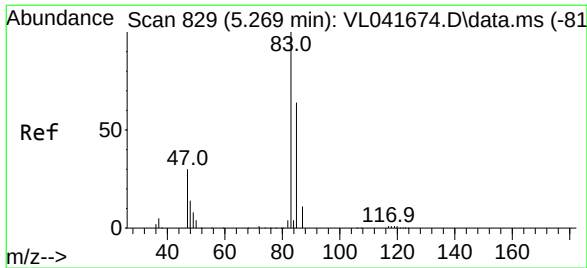


#28
Methyl tert-Butyl Ether
Concen: 9.841 ppbv
RT: 4.597 min Scan# 620
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09



Tgt Ion: 73 Resp: 696845
Ion Ratio Lower Upper
73 100
57 24.1 19.6 29.4





#29

Chloroform

Concen: 10.127 ppbv

RT: 5.288 min Scan# 83

Delta R.T. 0.019 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 83 Resp: 1838047

Ion Ratio Lower Upper

83 100

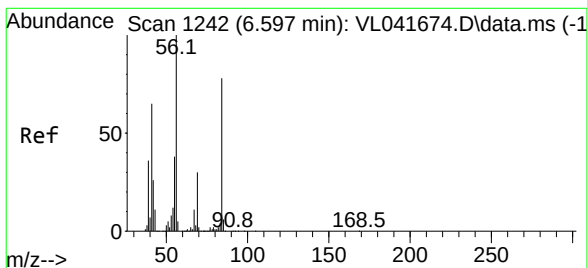
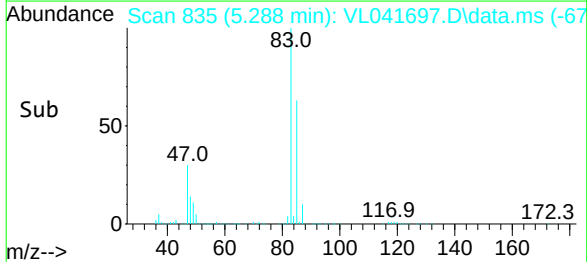
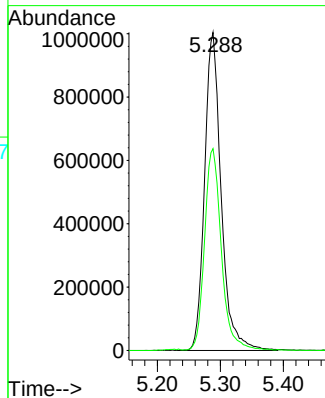
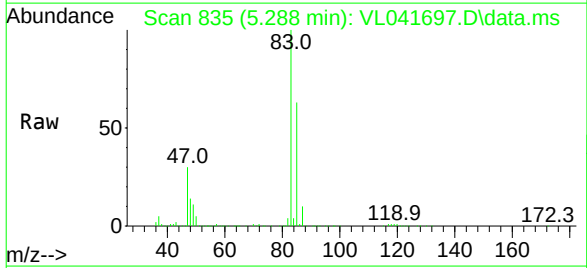
85 63.2 51.1 76.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2024

Supervised By :Mahesh Dadoda 11/21/2024



#30

Cyclohexane

Concen: 10.644 ppbv

RT: 6.616 min Scan# 1248

Delta R.T. 0.019 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

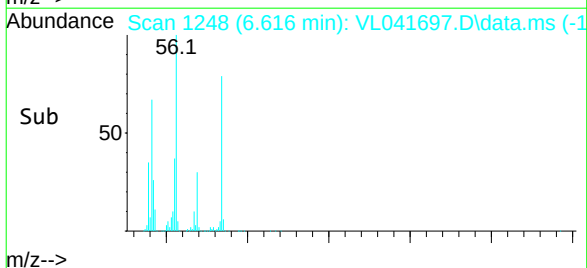
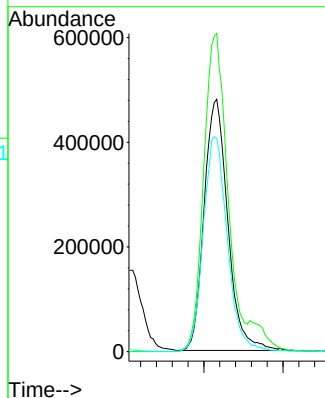
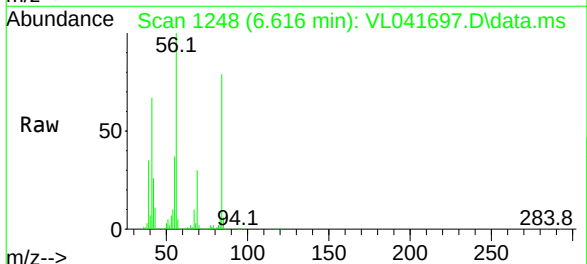
Tgt Ion: 84 Resp: 996570

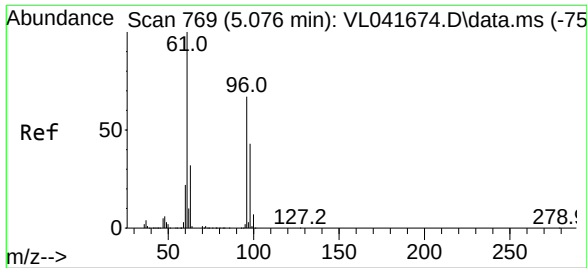
Ion Ratio Lower Upper

84 100

56 135.5 110.8 166.2

41 87.4 70.0 105.0





#31

cis-1,2-Dichloroethene

Concen: 10.612 ppbv

RT: 5.092 min Scan# 77

Delta R.T. 0.016 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 61 Resp: 1122533

Ion Ratio Lower Upper

61 100

96 63.9 53.4 80.2

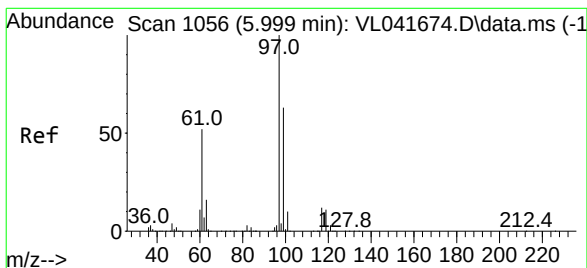
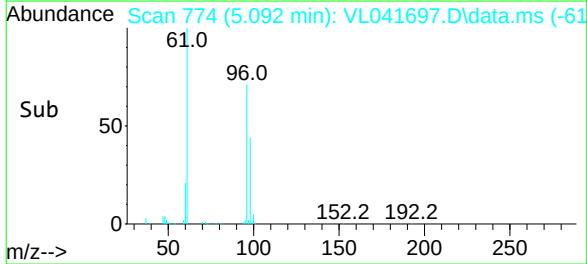
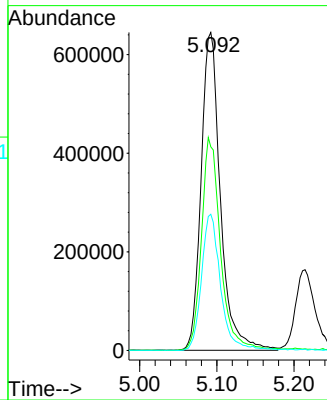
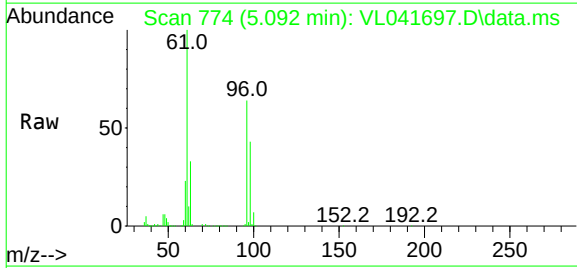
98 42.9 34.0 51.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/21/2024

Supervised By :Mahesh Dadoda 11/21/2024



#32

1,1,1-Trichloroethane

Concen: 10.673 ppbv

RT: 6.015 min Scan# 1061

Delta R.T. 0.016 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

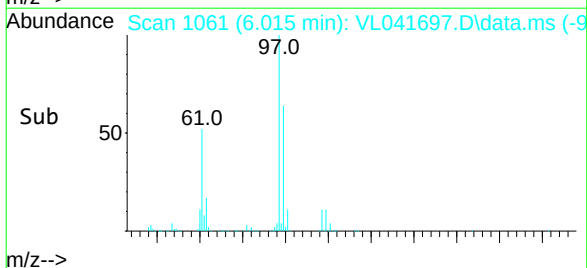
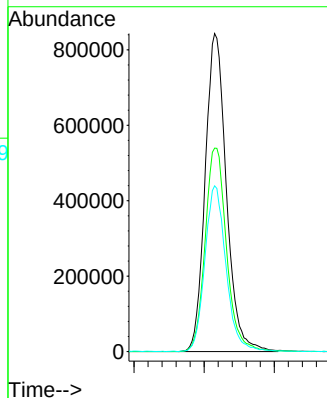
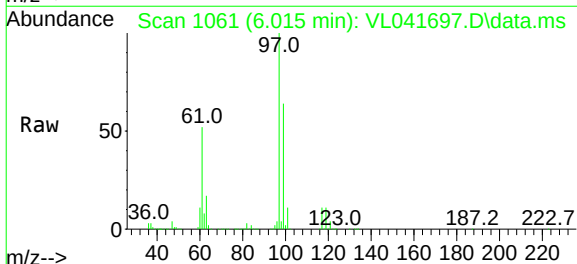
Tgt Ion: 97 Resp: 1767346

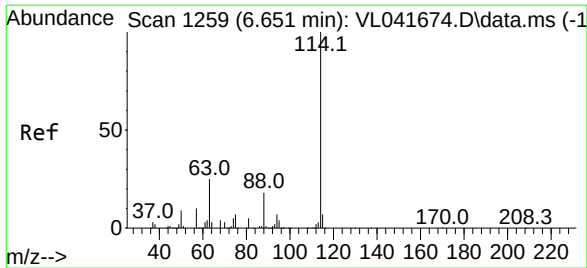
Ion Ratio Lower Upper

97 100

99 64.9 51.4 77.2

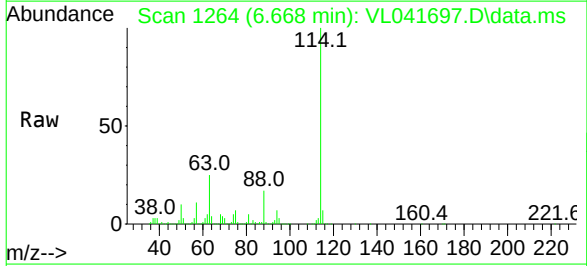
61 52.4 41.7 62.5





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.668 min Scan# 12
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

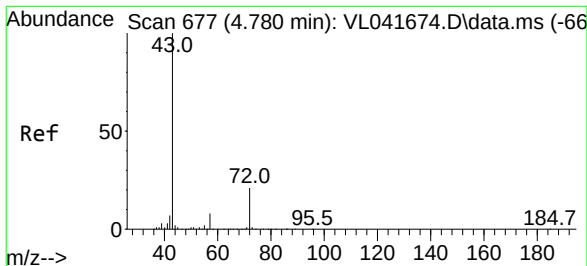
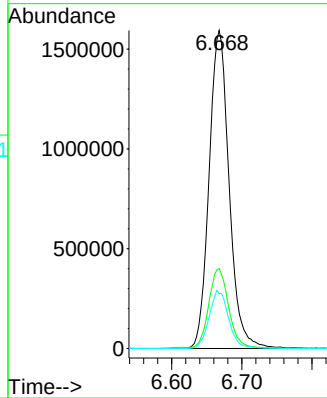
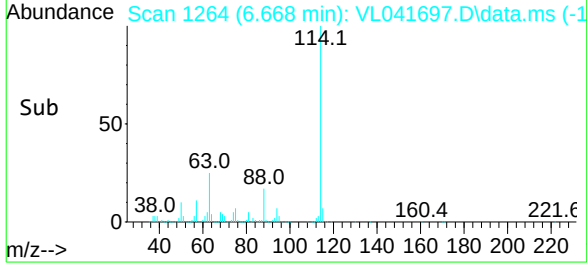
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



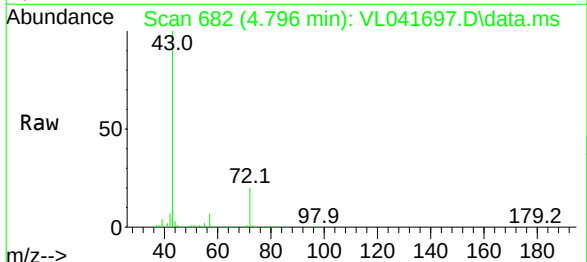
Tgt Ion:114 Resp: 3154537
Ion Ratio Lower Upper
114 100
63 25.5 20.3 30.5
88 17.8 14.2 21.4

Manual Integrations
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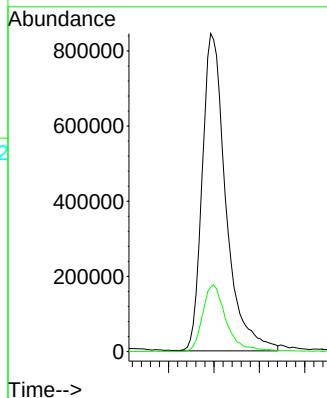
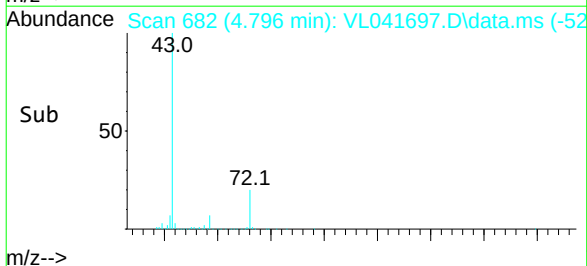
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024

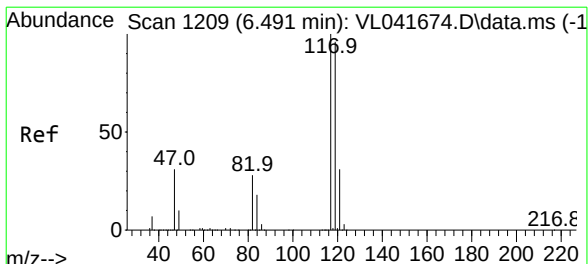


#34
2-Butanone
Concen: 9.731 ppbv
RT: 4.796 min Scan# 682
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09



Tgt Ion: 43 Resp: 1528409
Ion Ratio Lower Upper
43 100
72 21.3 17.4 26.0





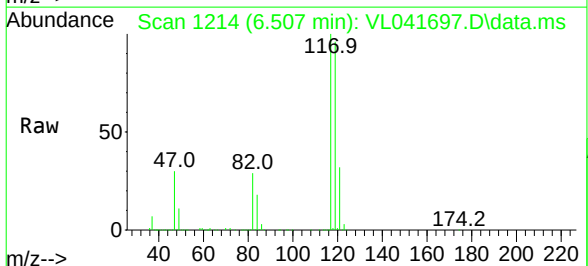
#35
Carbon Tetrachloride
Concen: 11.222 ppbv
RT: 6.507 min Scan# 1214
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

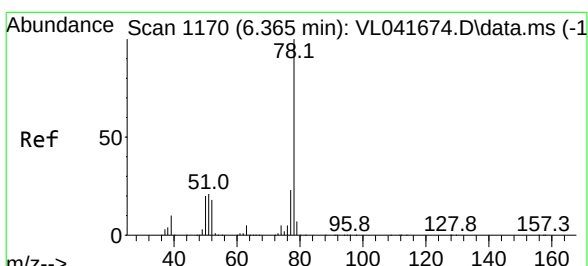
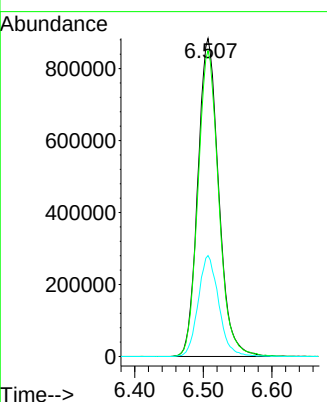
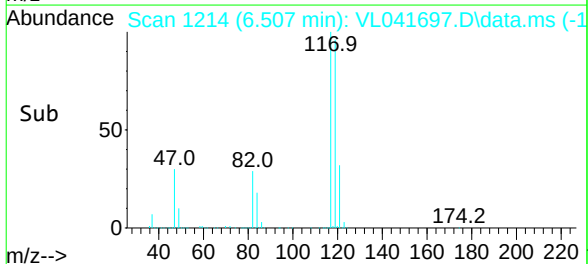


Tgt Ion: 117 Resp: 1867710

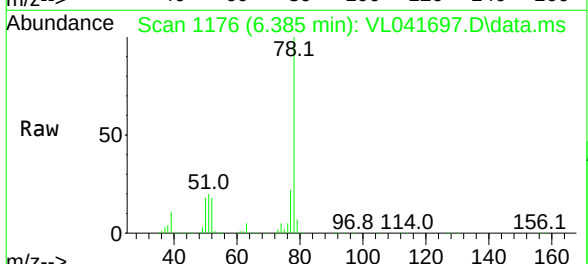
Ion	Ratio	Lower	Upper
117	100		
119	96.1	77.2	115.8
121	31.7	25.0	37.4

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Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024

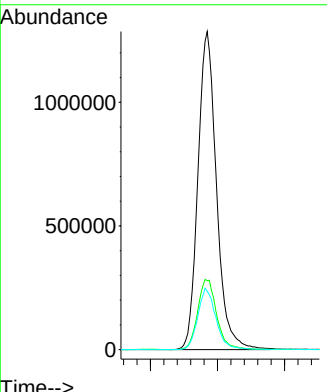
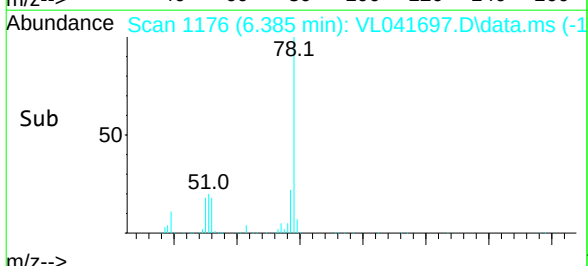


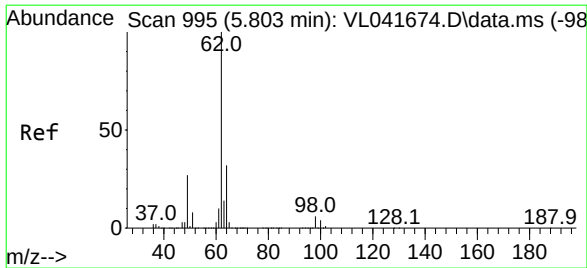
#36
Benzene
Concen: 10.579 ppbv
RT: 6.385 min Scan# 1176
Delta R.T. 0.019 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09



Tgt Ion: 78 Resp: 2472710

Ion	Ratio	Lower	Upper
78	100		
77	21.7	18.5	27.7
50	18.3	15.6	23.4





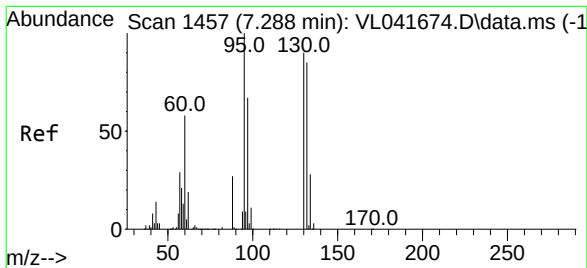
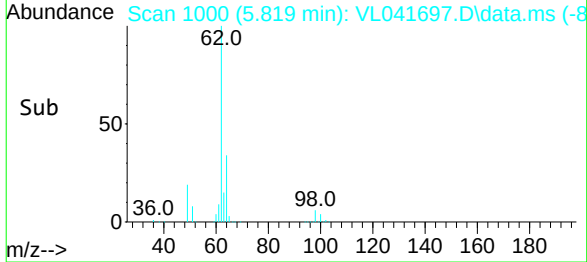
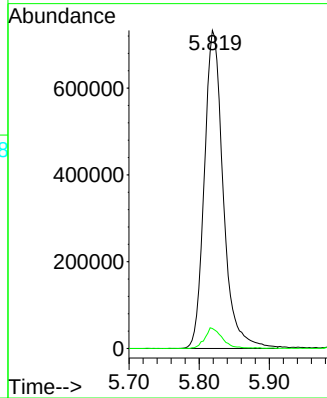
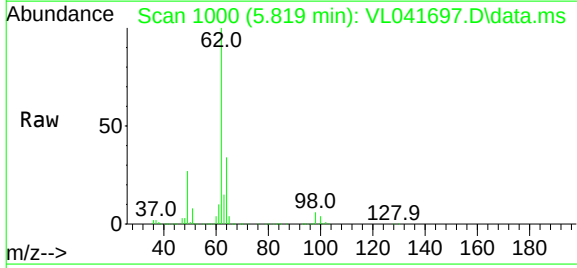
#37
1,2-Dichloroethane
Concen: 10.411 ppbv
RT: 5.819 min Scan# 10
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 1372788
Ion Ratio Lower Upper
62 100
98 6.2 5.2 7.8

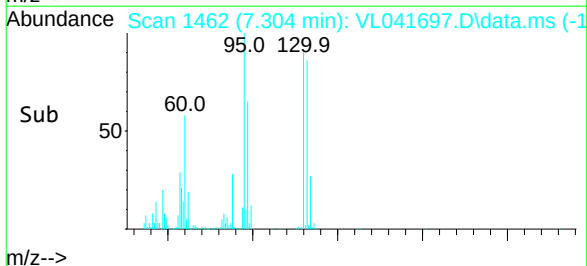
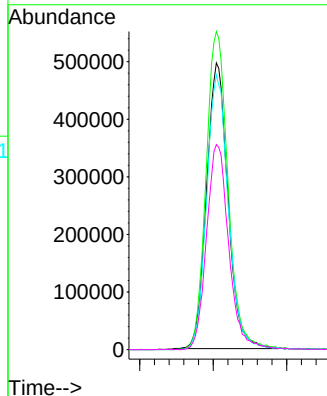
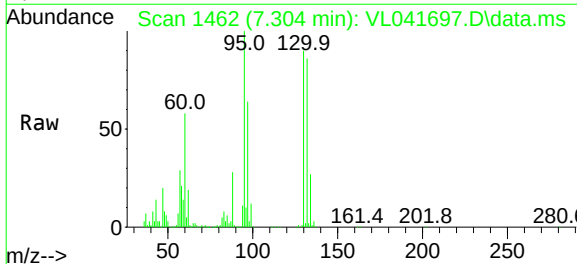
Manual Integrations
APPROVED

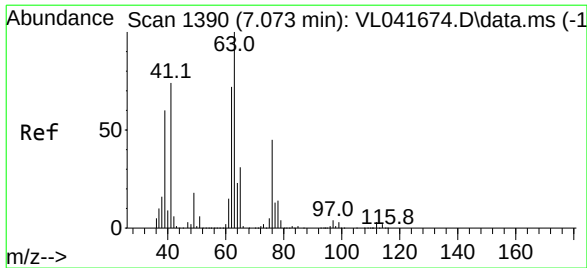
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



#38
Trichloroethene
Concen: 11.179 ppbv
RT: 7.304 min Scan# 1462
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

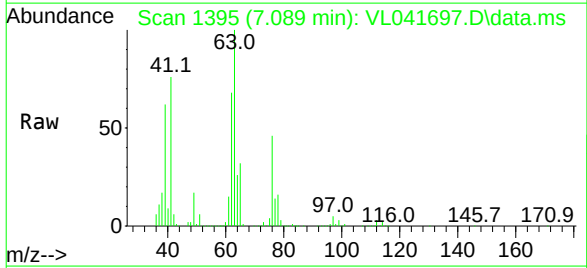
Tgt Ion:130 Resp: 1003555
Ion Ratio Lower Upper
130 100
95 111.2 89.1 133.7
132 96.1 75.7 113.5
97 71.7 60.0 90.0





#39
1,2-Dichloropropane
Concen: 10.346 ppbv
RT: 7.089 min Scan# 1390
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

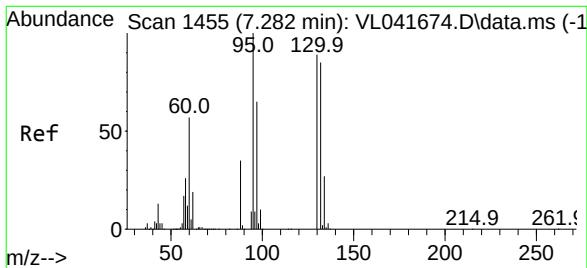
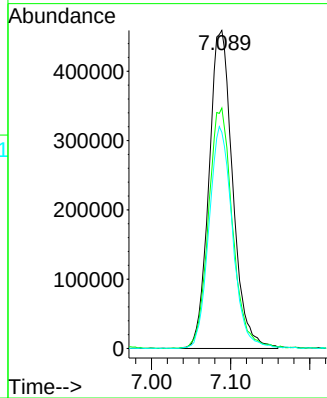
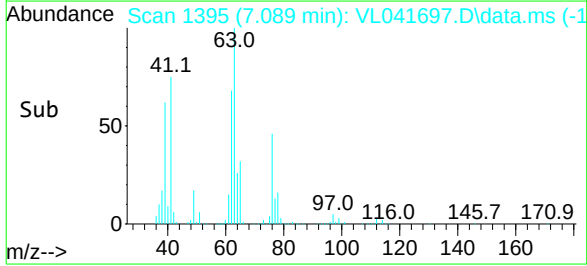
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 63 Resp: 955596
Ion Ratio Lower Upper
63 100
41 75.6 59.1 88.7
62 67.9 57.7 86.5

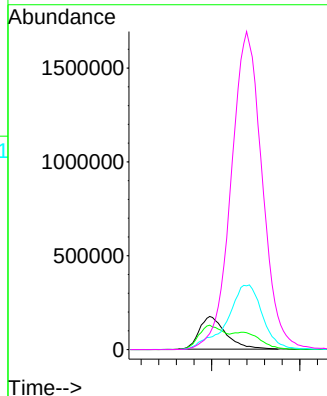
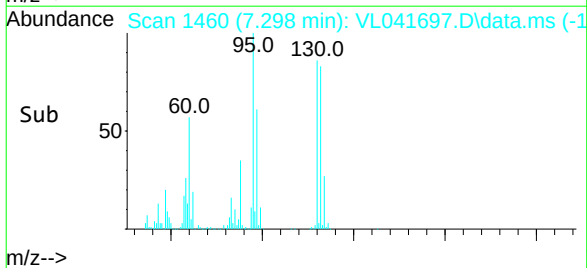
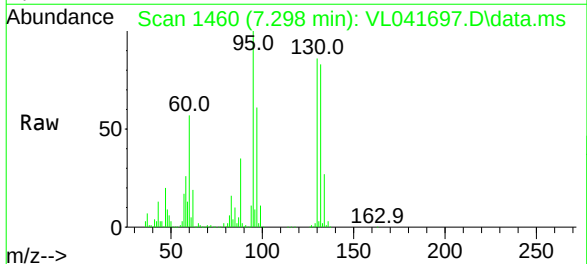
Manual Integrations
APPROVED

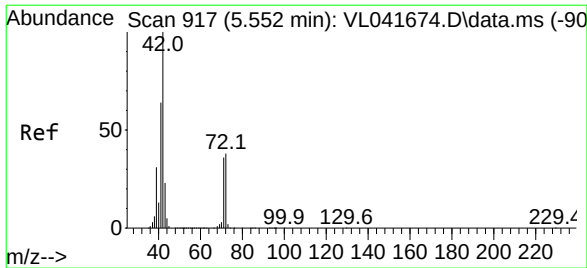
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



#40
1,4-Dioxane
Concen: 11.031 ppbv
RT: 7.298 min Scan# 1460
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

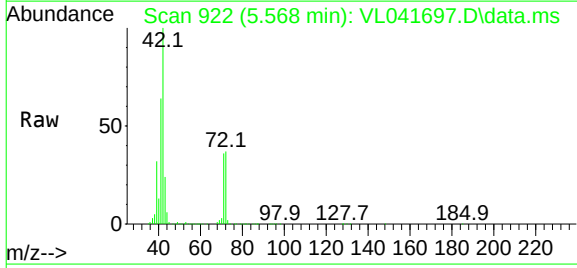
Tgt Ion: 88 Resp: 365570
Ion Ratio Lower Upper
88 100
58 128.6 101.4 152.2
43 263.4 208.0 312.0
57 1142.1 902.9 1354.3





#41
Tetrahydrofuran
Concen: 11.035 ppbv
RT: 5.568 min Scan# 92
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

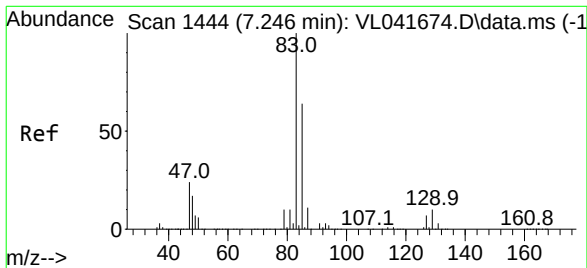
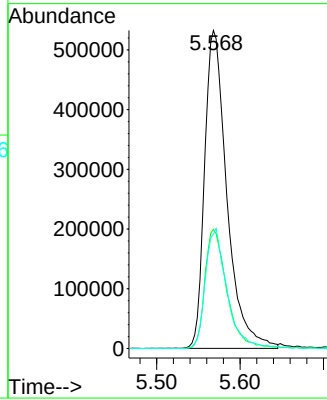
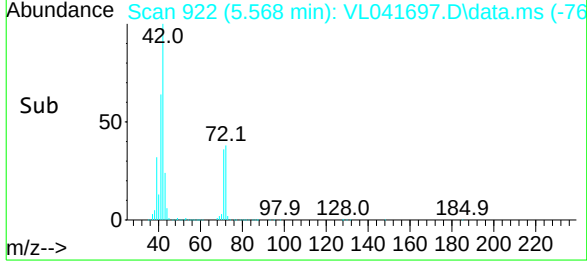
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 42 Resp: 989840
Ion Ratio Lower Upper
42 100
72 37.2 29.8 44.6
71 36.8 29.4 44.2

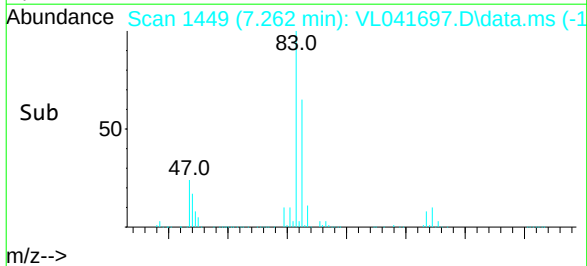
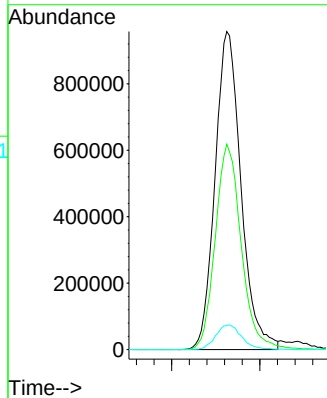
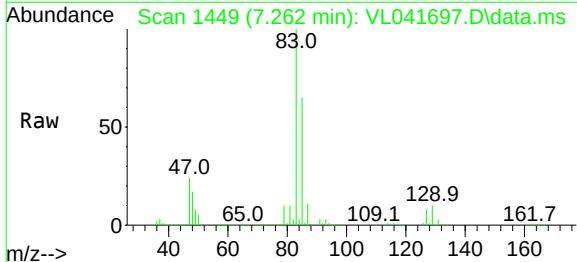
Manual Integrations
APPROVED

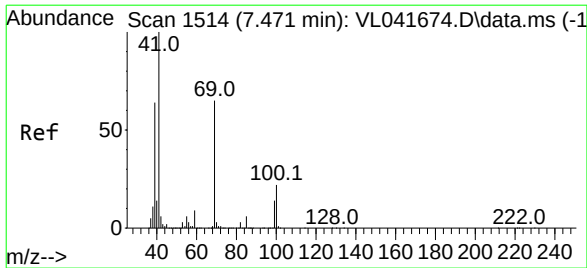
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



#42
Bromodichloromethane
Concen: 10.692 ppbv
RT: 7.262 min Scan# 1449
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

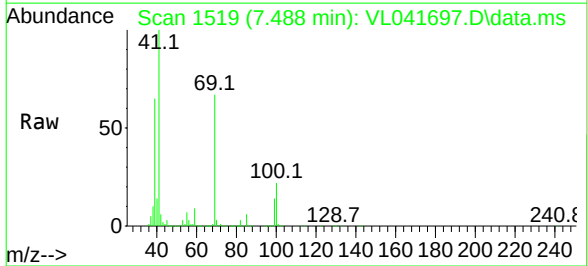
Tgt Ion: 83 Resp: 1959114
Ion Ratio Lower Upper
83 100
85 64.6 51.2 76.8
127 7.6 6.0 9.0





#43
Methyl Methacrylate
Concen: 11.538 ppbv
RT: 7.488 min Scan# 1514
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

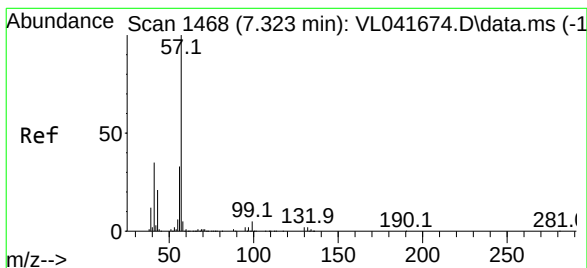
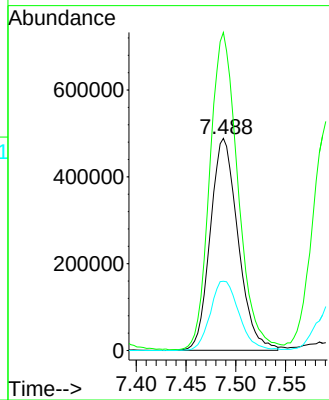
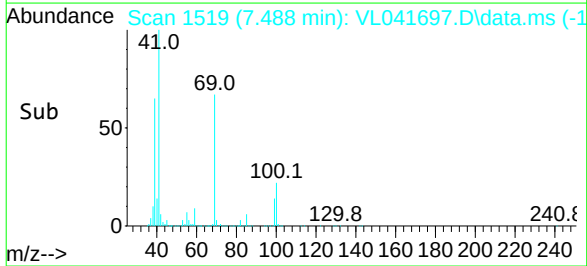
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



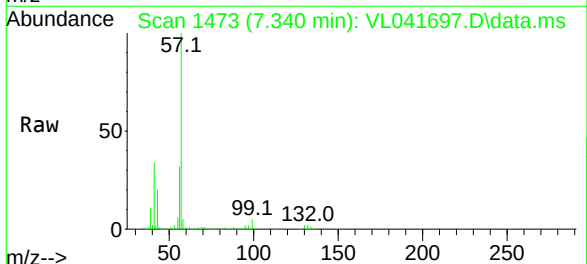
Tgt Ion: 69 Resp: 946899
Ion Ratio Lower Upper
69 100
41 152.6 119.8 179.6
100 34.0 27.3 40.9

Manual Integrations
APPROVED

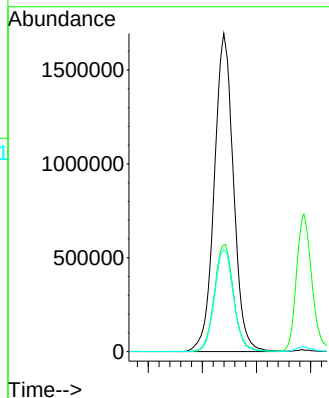
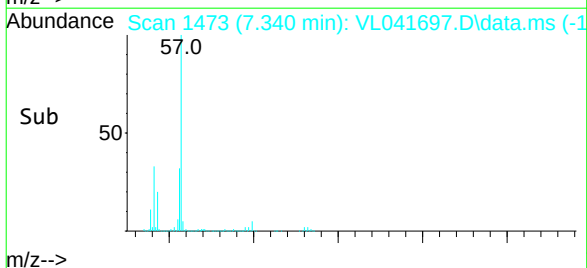
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024

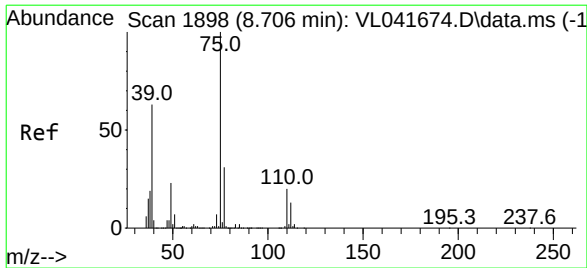


#44
2,2,4-Trimethylpentane
Concen: 10.542 ppbv
RT: 7.340 min Scan# 1473
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09



Tgt Ion: 57 Resp: 4173715
Ion Ratio Lower Upper
57 100
41 33.7 27.0 40.6
56 31.9 25.8 38.6





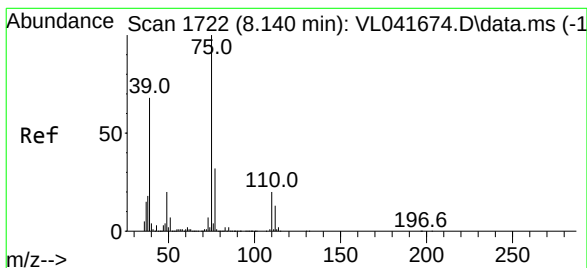
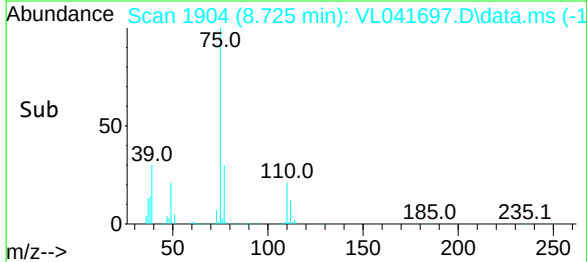
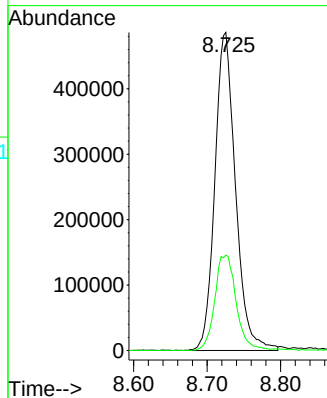
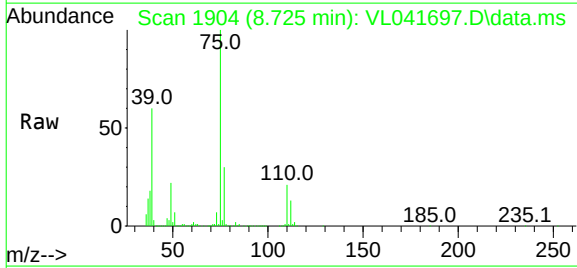
#45
t-1,3-Dichloropropene
Concen: 12.663 ppbv
RT: 8.725 min Scan# 1904
Delta R.T. 0.019 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 75 Resp: 949613
Ion Ratio Lower Upper
75 100
77 30.0 24.7 37.1

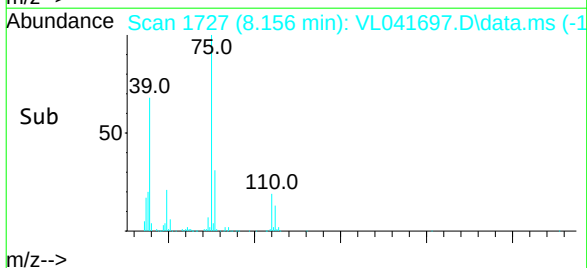
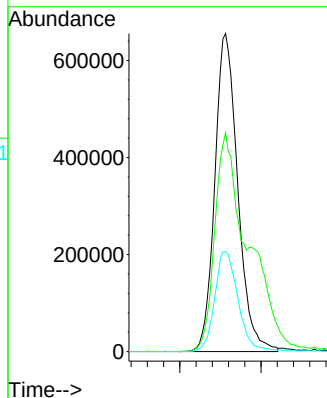
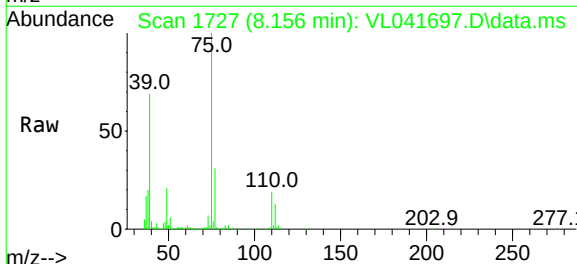
Manual Integrations
APPROVED

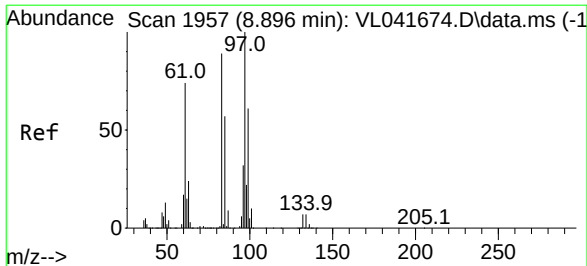
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



#46
cis-1,3-Dichloropropene
Concen: 11.922 ppbv
RT: 8.156 min Scan# 1727
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Tgt Ion: 75 Resp: 1284127
Ion Ratio Lower Upper
75 100
39 68.7 54.1 81.1
77 31.5 25.3 37.9





#47
1,1,2-Trichloroethane
Concen: 10.225 ppbv
RT: 8.915 min Scan# 1957
Delta R.T. 0.019 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Instrument :

MSVOA_L

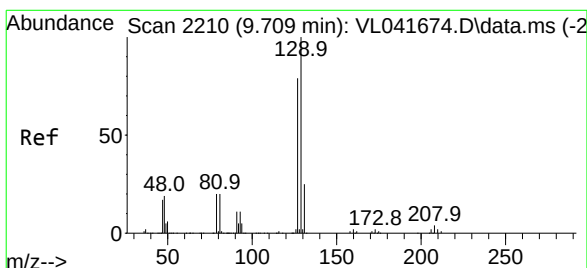
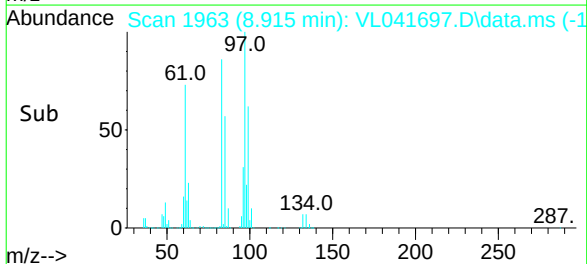
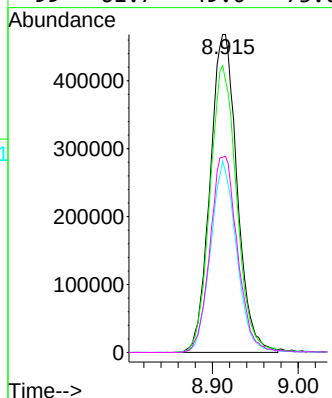
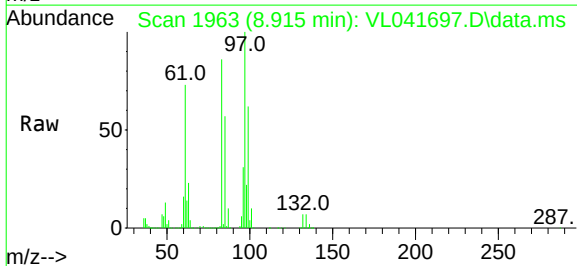
ClientSampleId :

VSTDCCC010

Tgt Ion: 97 Resp: 1022176
Ion Ratio Lower Upper
97 100
83 85.5 71.0 106.6
85 56.8 45.4 68.2
99 61.7 49.0 73.6

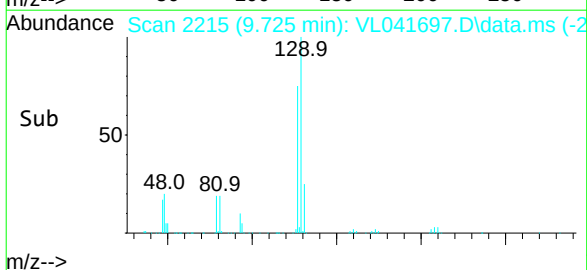
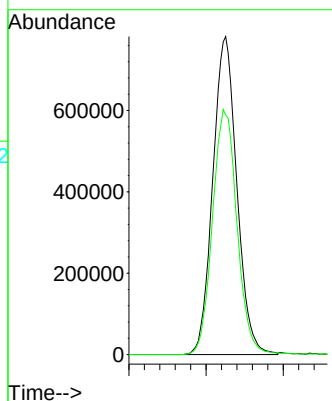
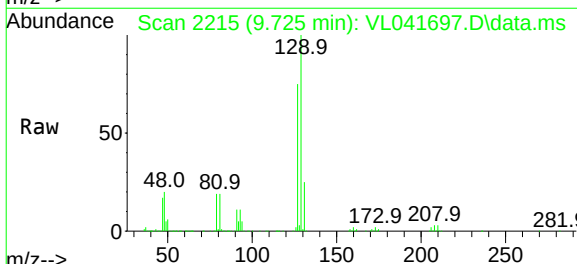
Manual Integrations
APPROVED

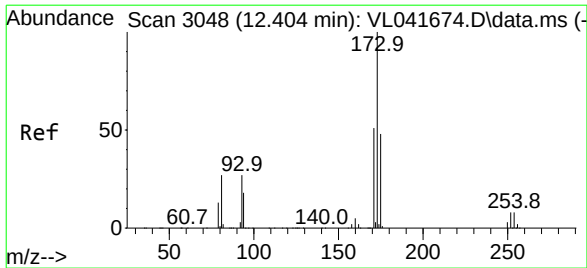
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



#48
Dibromochloromethane
Concen: 11.129 ppbv
RT: 9.725 min Scan# 2215
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Tgt Ion:129 Resp: 1691178
Ion Ratio Lower Upper
129 100
127 78.9 39.1 117.2





#49

Bromoform

Concen: 11.514 ppbv

RT: 12.420 min Scan# 3048

Delta R.T. 0.016 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

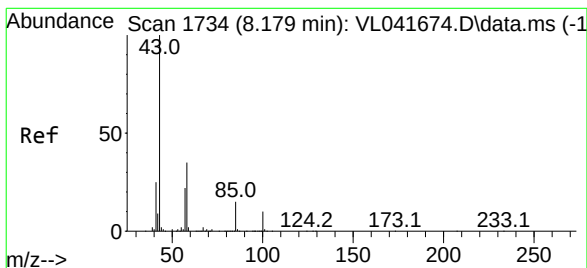
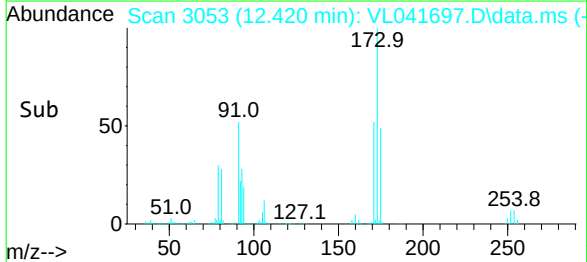
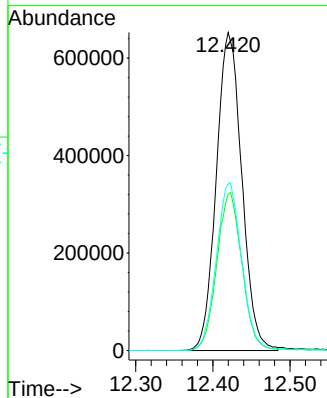
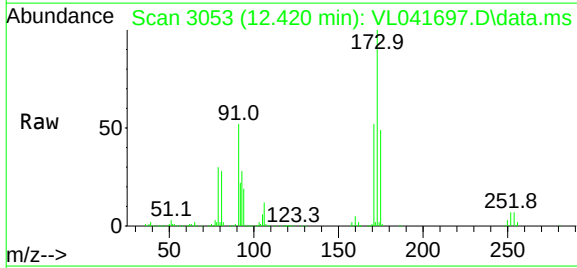
Tgt Ion: 173 Resp: 1497113

Ion	Ratio	Lower	Upper
173	100		
175	49.4	39.2	58.8
171	52.5	41.7	62.5

Manual Integrations

APPROVED

Reviewed By : Semsettin Yesilyurt 11/21/2024
Supervised By : Mahesh Dadoda 11/21/2024



#50

4-Methyl-2-Pentanone

Concen: 10.950 ppbv

RT: 8.192 min Scan# 1738

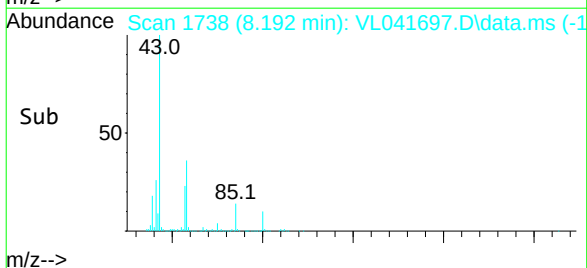
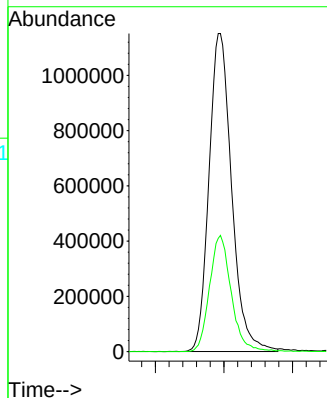
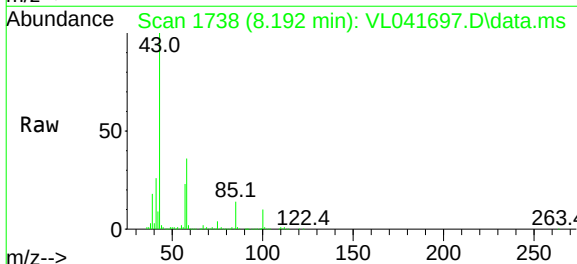
Delta R.T. 0.013 min

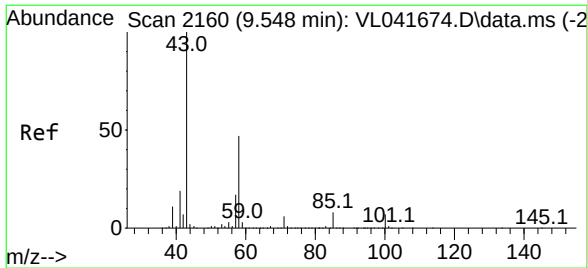
Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

Tgt Ion: 43 Resp: 2640409

Ion	Ratio	Lower	Upper
43	100		
58	35.2	27.7	41.5





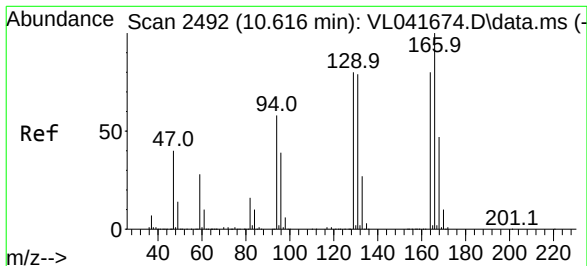
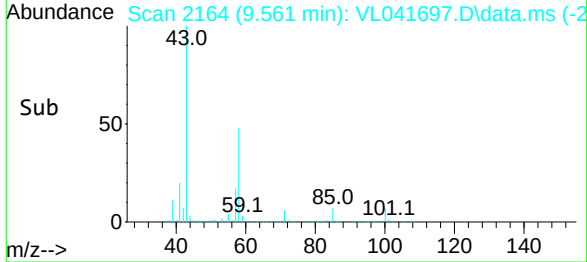
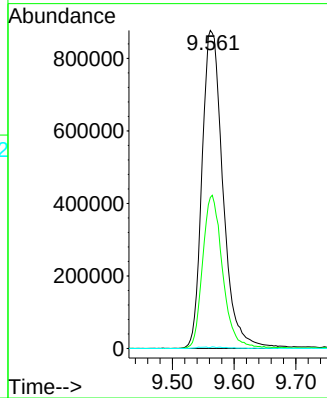
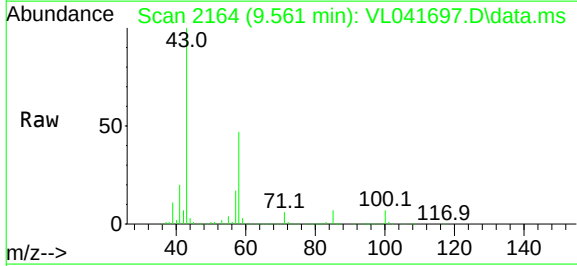
#51
2-Hexanone
Concen: 11.773 ppbv
RT: 9.561 min Scan# 2160
Delta R.T. 0.013 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 2067266
Ion Ratio Lower Upper
43 100
58 46.3 37.0 55.6
98 0.6 0.6 0.8

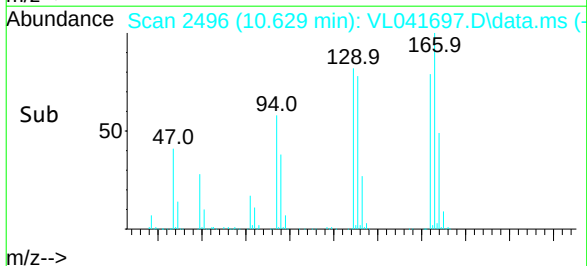
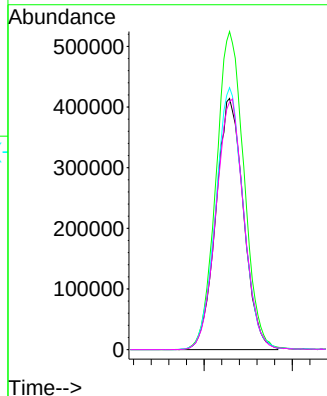
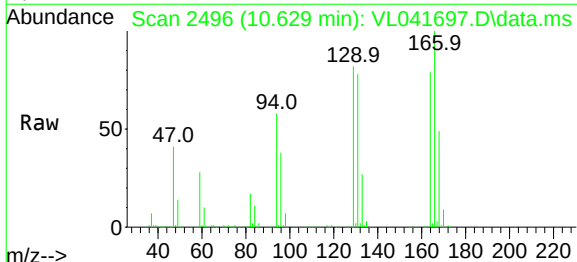
Manual Integrations
APPROVED

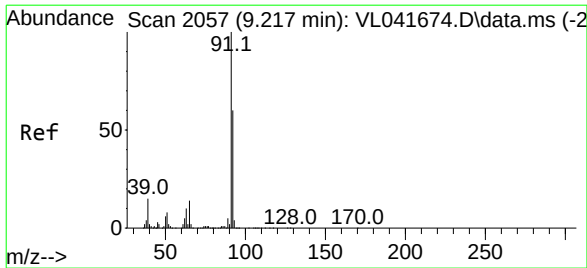
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



#52
Tetrachloroethene
Concen: 11.336 ppbv
RT: 10.629 min Scan# 2496
Delta R.T. 0.013 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Tgt Ion:164 Resp: 902967
Ion Ratio Lower Upper
164 100
166 126.6 100.2 150.4
129 104.2 79.7 119.5
131 98.5 79.0 118.4





#53

Toluene

Concen: 11.509 ppbv

RT: 9.233 min Scan# 2057

Delta R.T. 0.016 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 91 Resp: 2828799

Ion Ratio Lower Upper

91 100

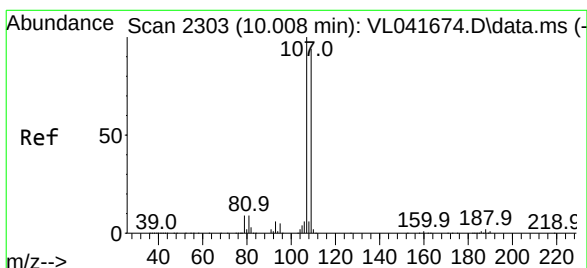
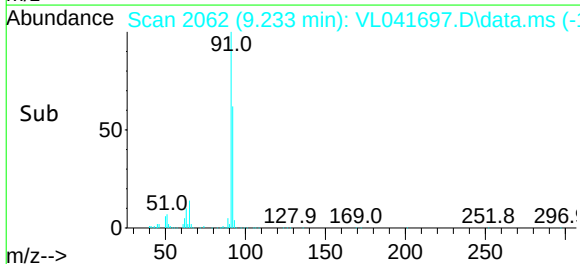
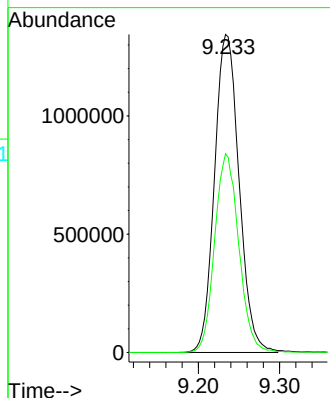
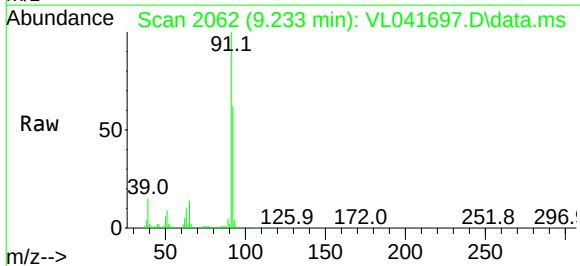
92 61.3 49.0 73.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2024

Supervised By :Mahesh Dadoda 11/21/2024



#54

1,2-Dibromoethane

Concen: 11.753 ppbv

RT: 10.024 min Scan# 2308

Delta R.T. 0.016 min

Lab File: VL041697.D

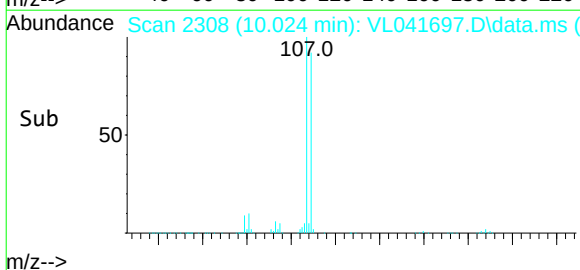
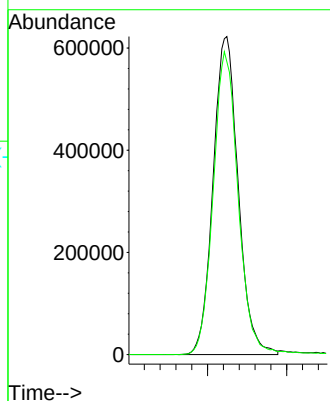
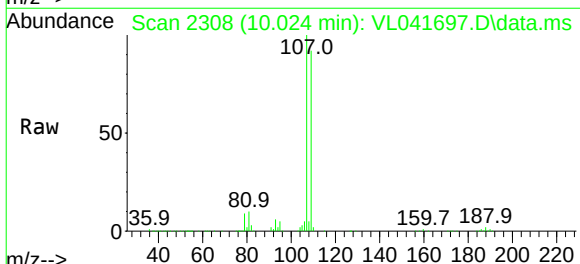
Acq: 20 Nov 2024 8:09

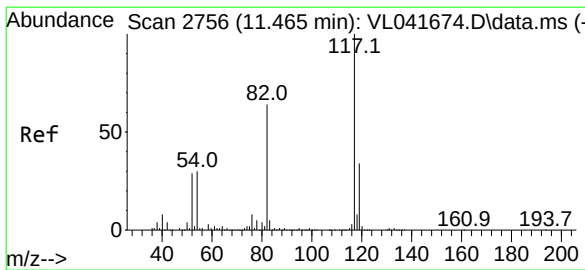
Tgt Ion:107 Resp: 1372700

Ion Ratio Lower Upper

107 100

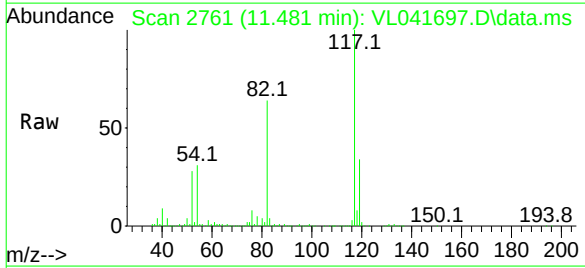
109 92.1 74.9 112.3





#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 11.481 min Scan# 2756
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

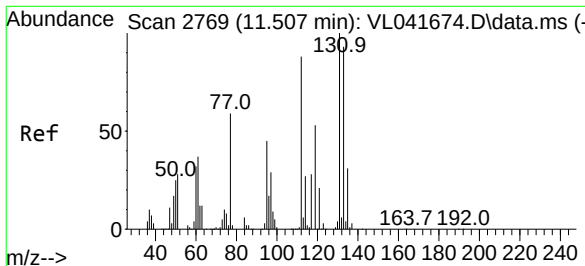
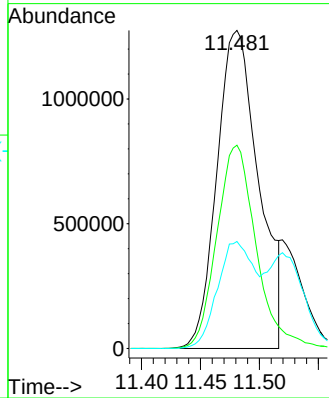
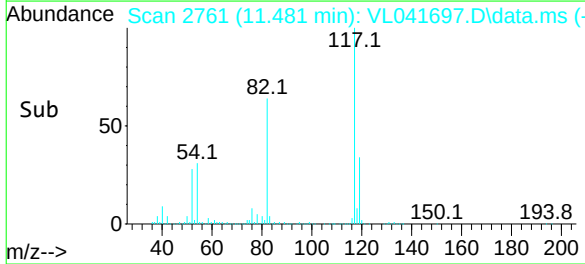
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



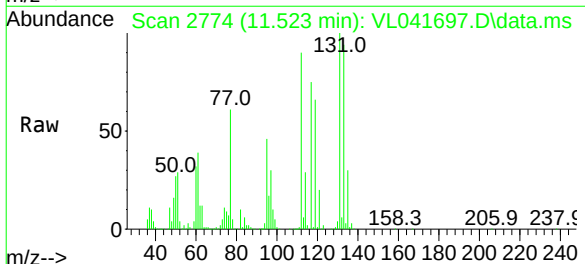
Tgt Ion:117 Resp: 3148626
Ion Ratio Lower Upper
117 100
82 60.6 49.8 74.8
119 31.4 24.2 36.4

Manual Integrations
APPROVED

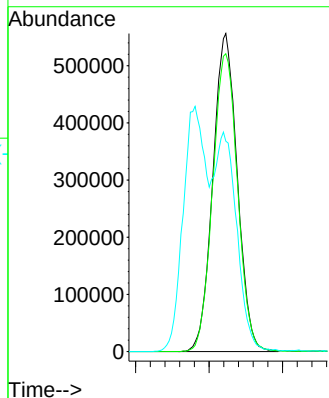
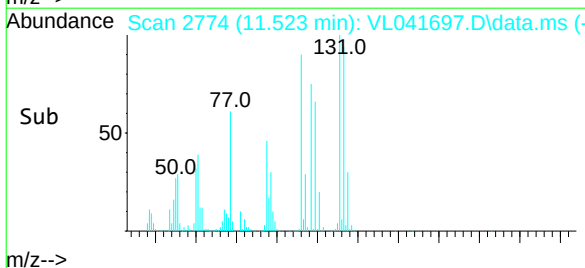
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024

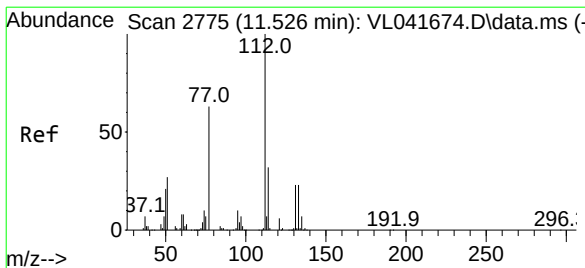


#56
1,1,1,2-Tetrachloroethane
Concen: 9.885 ppbv
RT: 11.523 min Scan# 2774
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09



Tgt Ion:131 Resp: 1283659
Ion Ratio Lower Upper
131 100
133 95.7 76.5 114.7
119 61.9 49.8 74.8





#57

Chlorobenzene

Concen: 9.651 ppbv

RT: 11.539 min Scan# 2775

Delta R.T. 0.013 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

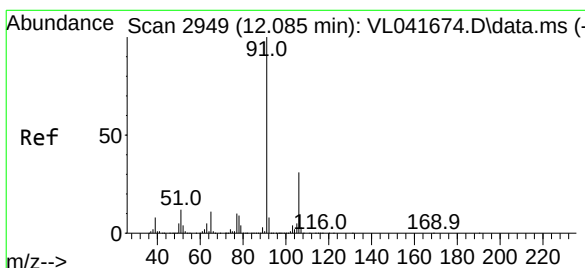
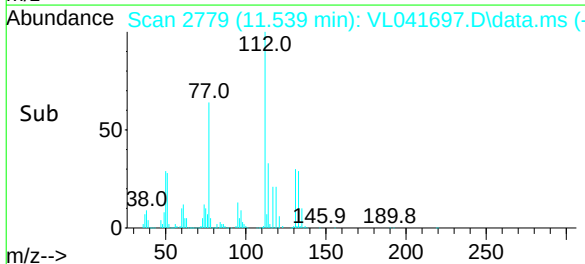
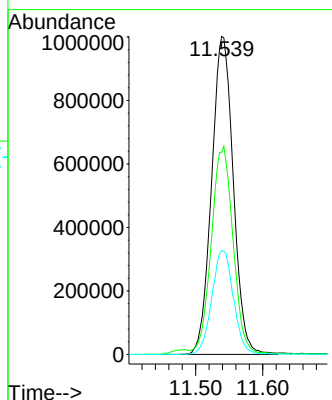
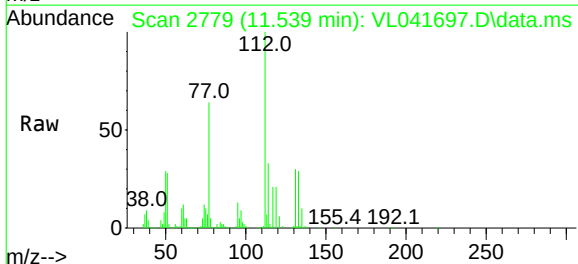
Tgt Ion: 112 Resp: 2247475

Ion	Ratio	Lower	Upper
112	100		
77	63.2	51.4	77.2
114	32.8	28.4	34.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



#58

Ethyl Benzene

Concen: 11.134 ppbv

RT: 12.102 min Scan# 2954

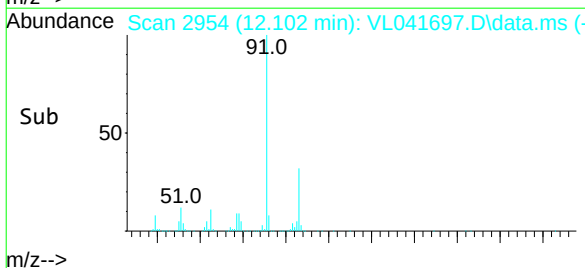
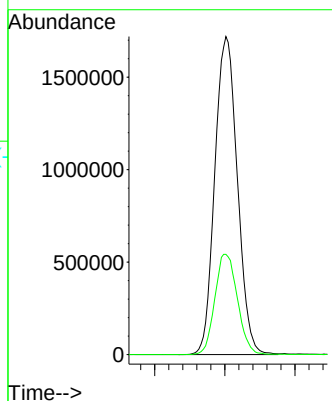
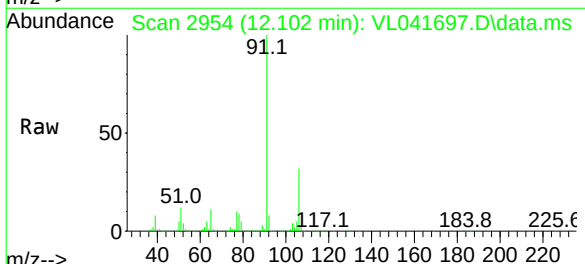
Delta R.T. 0.016 min

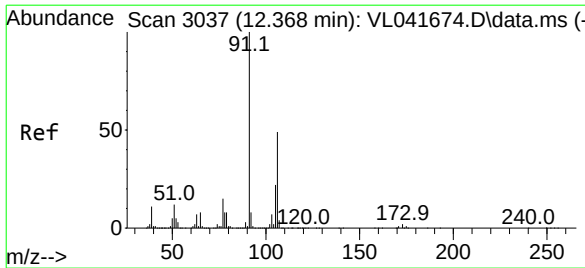
Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

Tgt Ion: 91 Resp: 3843108

Ion	Ratio	Lower	Upper
91	100		
106	31.5	24.9	37.3





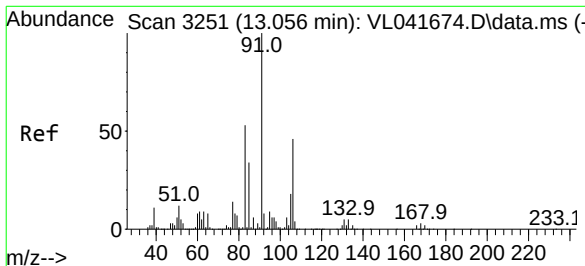
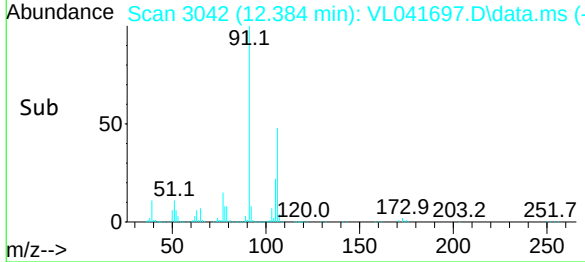
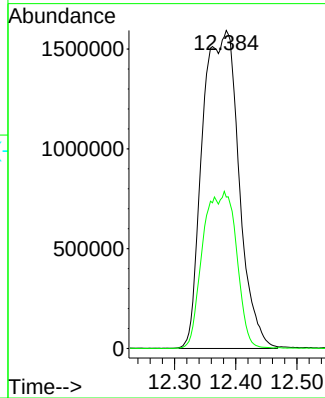
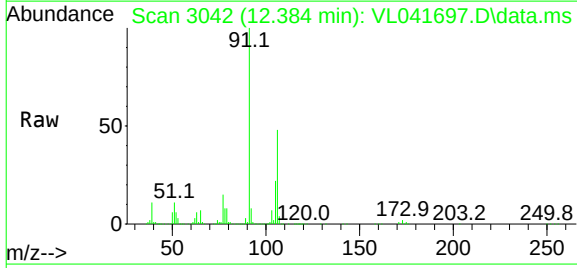
#59
m/p-Xylene
Concen: 21.210 ppbv m
RT: 12.384 min Scan# 3037
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 6556478
Ion Ratio Lower Upper
91 100
106 45.8 36.9 55.3

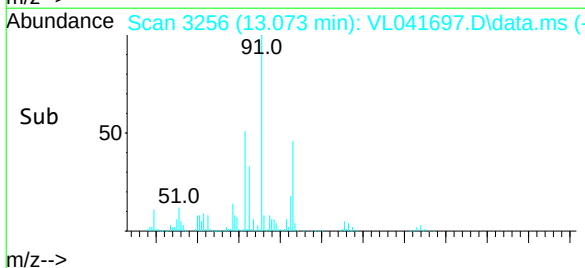
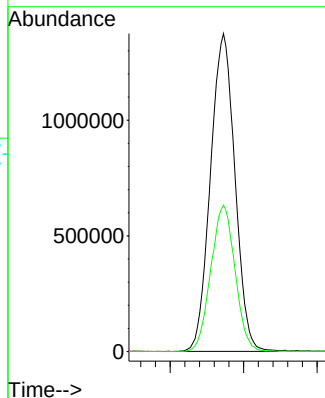
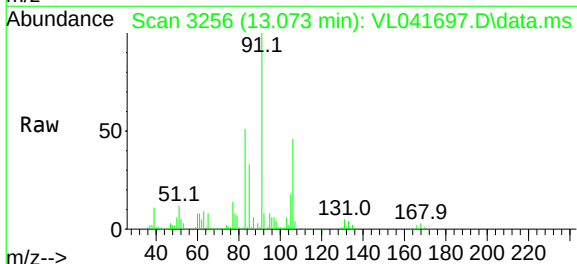
Manual Integrations
APPROVED

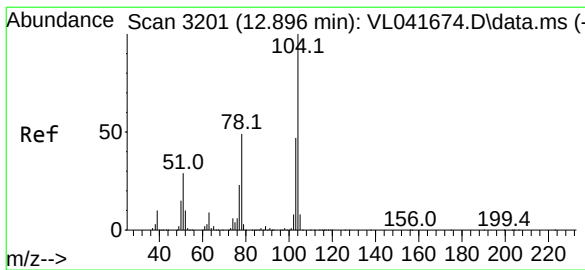
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



#60
o-Xylene
Concen: 10.774 ppbv
RT: 13.073 min Scan# 3256
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Tgt Ion: 91 Resp: 3175724
Ion Ratio Lower Upper
91 100
106 45.8 23.2 69.6





#61

Styrene

Concen: 12.538 ppbv

RT: 12.909 min Scan# 3201

Delta R.T. 0.013 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:104 Resp: 1525338

Ion Ratio Lower Upper

104 100

78 50.4 39.8 59.8

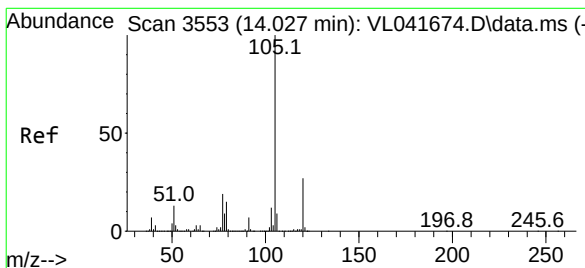
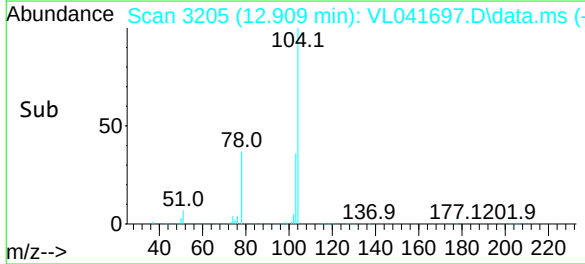
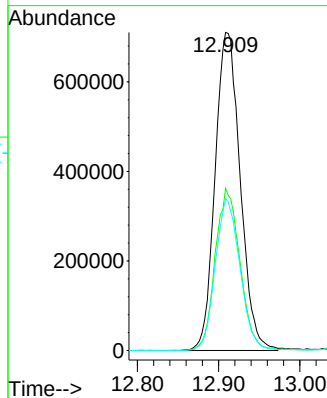
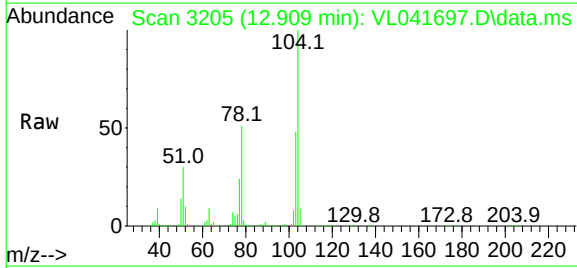
103 47.1 37.4 56.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2024

Supervised By :Mahesh Dadoda 11/21/2024



#62

Isopropylbenzene

Concen: 10.288 ppbv

RT: 14.044 min Scan# 3558

Delta R.T. 0.016 min

Lab File: VL041697.D

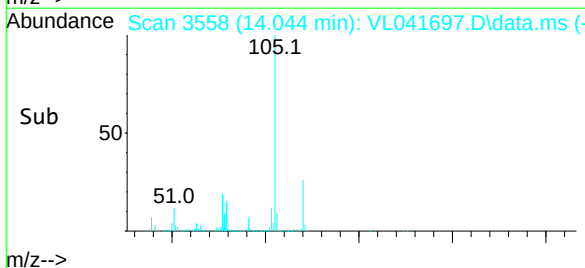
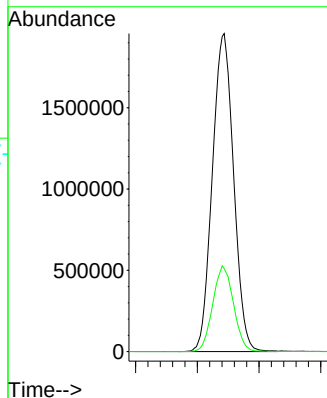
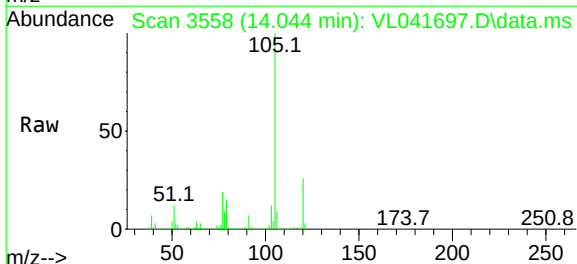
Acq: 20 Nov 2024 8:09

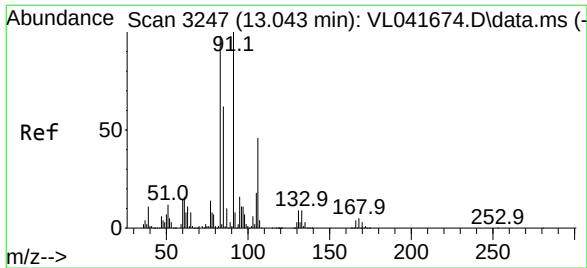
Tgt Ion:105 Resp: 4683267

Ion Ratio Lower Upper

105 100

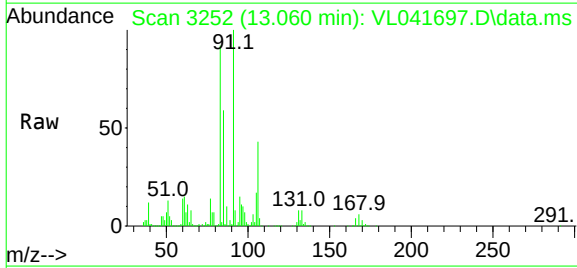
120 26.3 21.1 31.7





#63
1,1,2,2-Tetrachloroethane
Concen: 10.214 ppbv
RT: 13.060 min Scan# 3247
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

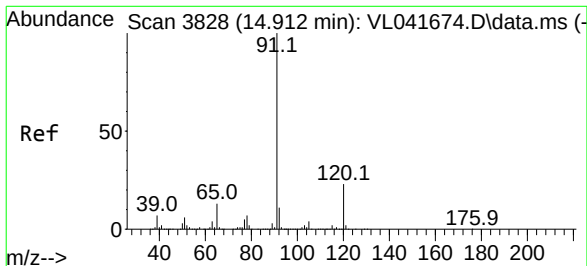
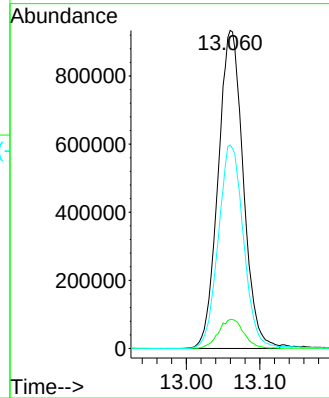
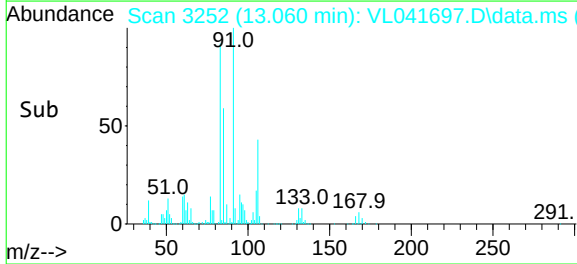
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



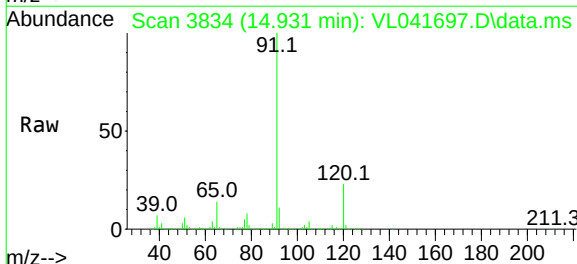
Tgt Ion: 83 Resp: 2214634
Ion Ratio Lower Upper
83 100
131 9.4 4.8 14.3
85 64.8 32.6 98.0

Manual Integrations
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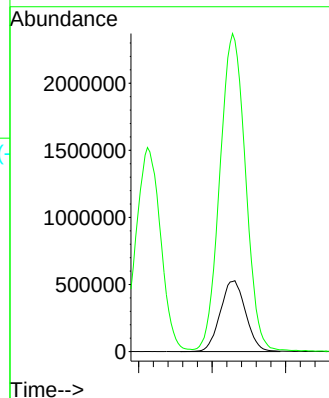
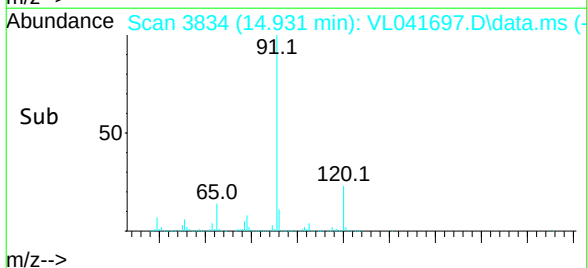
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024

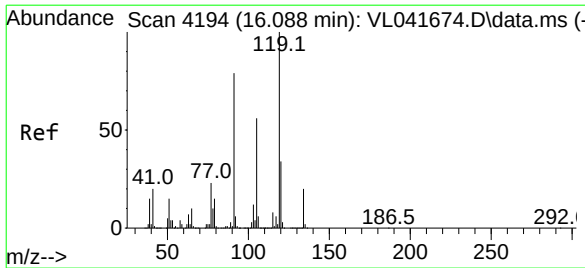


#64
n-propylbenzene
Concen: 10.621 ppbv
RT: 14.931 min Scan# 3834
Delta R.T. 0.019 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09



Tgt Ion:120 Resp: 1265758
Ion Ratio Lower Upper
120 100
91 455.9 362.4 543.6





#65

tert-Butylbenzene

Concen: 10.240 ppbv

RT: 16.101 min Scan# 41

Delta R.T. 0.013 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

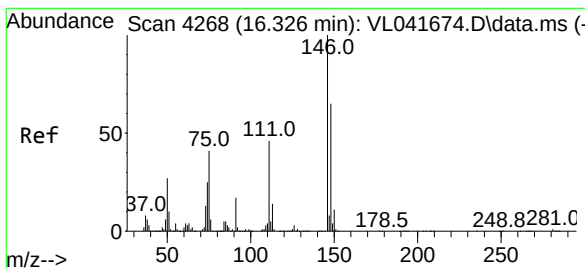
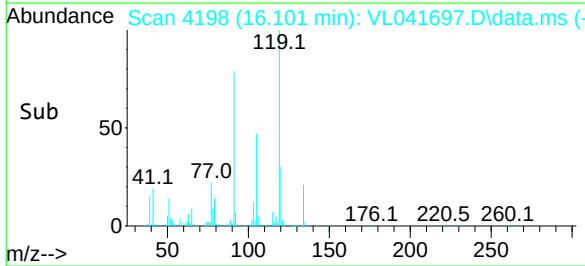
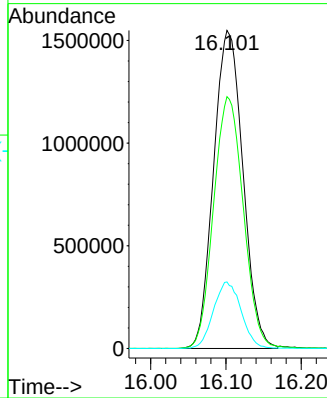
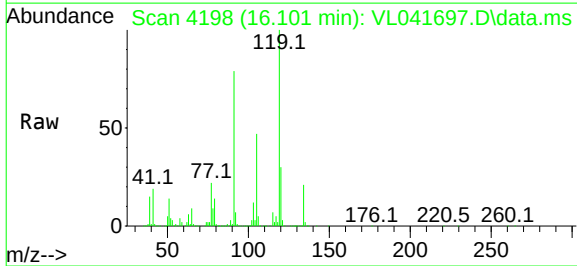
Tgt Ion: 119 Resp: 4189774

Ion	Ratio	Lower	Upper
119	100		
91	80.4	64.3	96.5
134	19.9	15.8	23.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



#66

Benzyl Chloride

Concen: 11.778 ppbv

RT: 16.342 min Scan# 4273

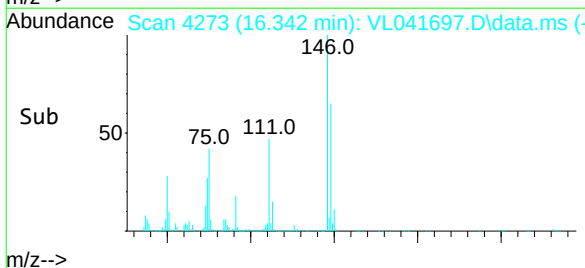
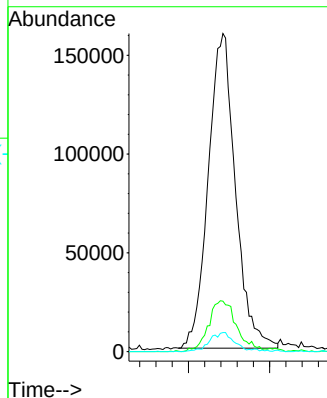
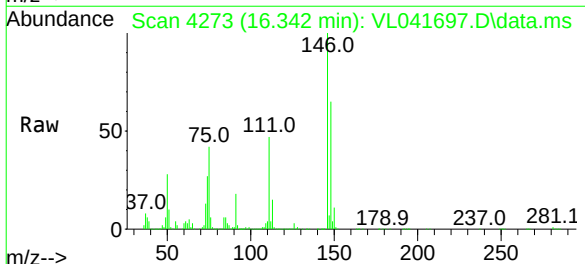
Delta R.T. 0.016 min

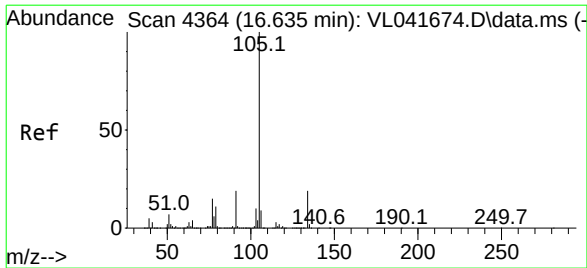
Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

Tgt Ion: 91 Resp: 370716

Ion	Ratio	Lower	Upper
91	100		
126	17.4	13.8	20.6
128	5.8	4.3	6.5





#67

sec-Butylbenzene

Concen: 10.201 ppbv

RT: 16.648 min Scan# 43

Delta R.T. 0.013 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:105 Resp: 5882804

Ion Ratio Lower Upper

105 100

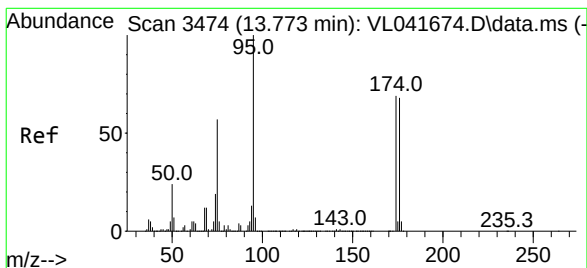
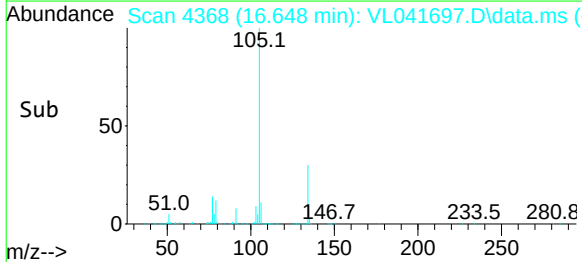
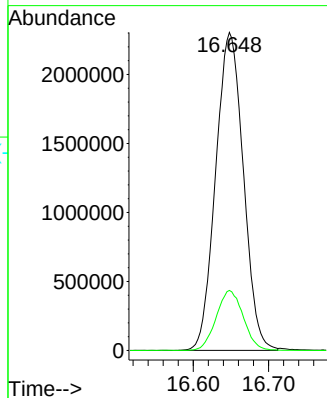
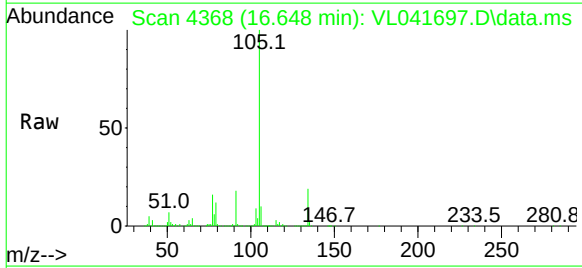
134 18.5 14.6 22.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2024

Supervised By :Mahesh Dadoda 11/21/2024



#68

1-Bromo-4-Fluorobenzene

Concen: 9.957 ppbv

RT: 13.786 min Scan# 3478

Delta R.T. 0.013 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

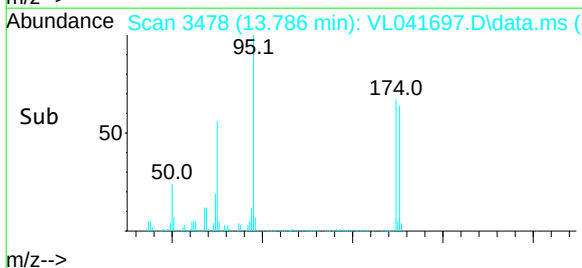
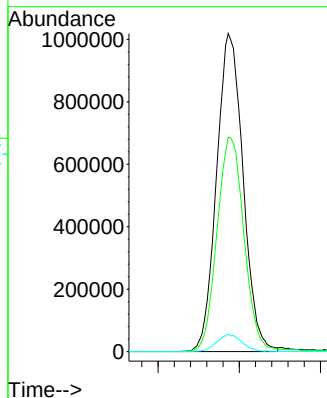
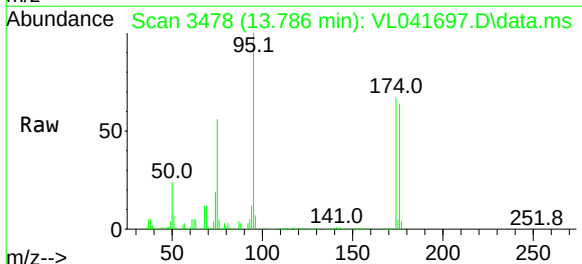
Tgt Ion: 95 Resp: 2309915

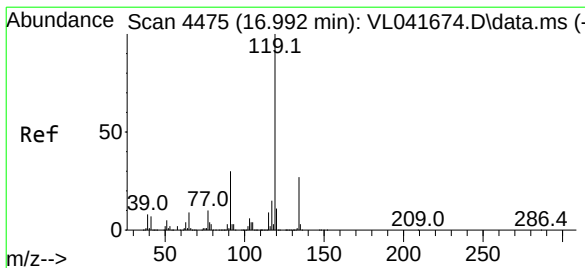
Ion Ratio Lower Upper

95 100

174 69.5 55.6 83.4

175 5.2 4.2 6.2





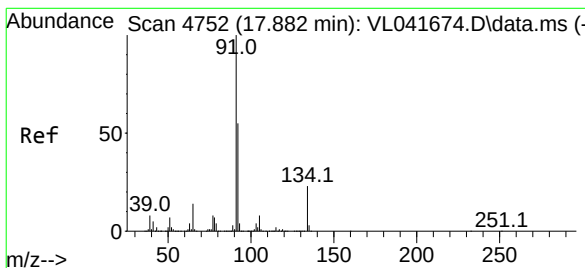
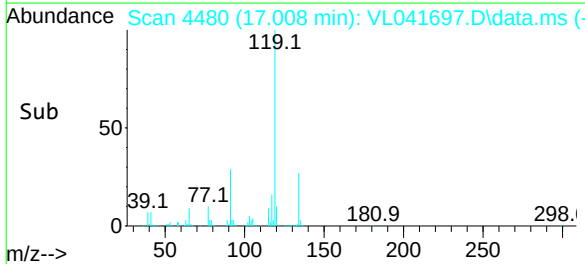
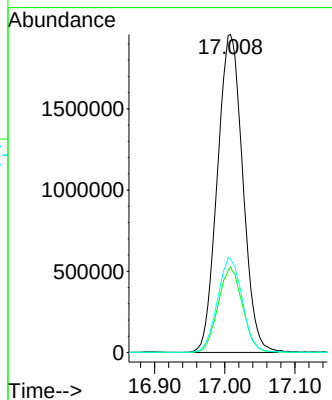
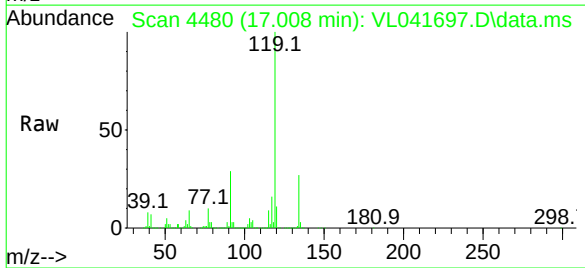
#69
p-Isopropyltoluene
Concen: 10.535 ppbv
RT: 17.008 min Scan# 4475
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 119 Resp: 4911348
Ion Ratio Lower Upper
119 100
134 25.9 20.8 31.2
91 29.2 23.2 34.8

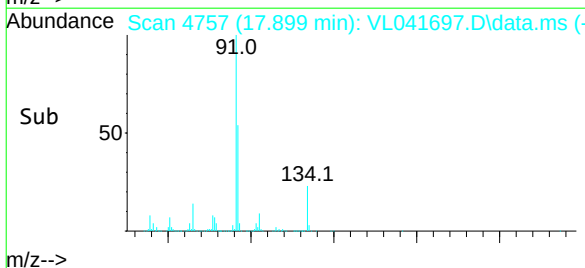
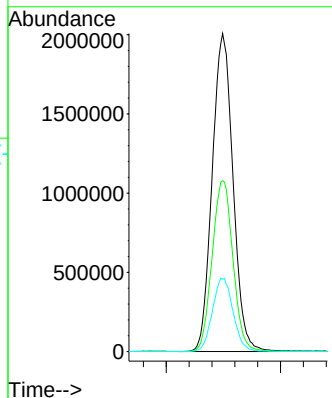
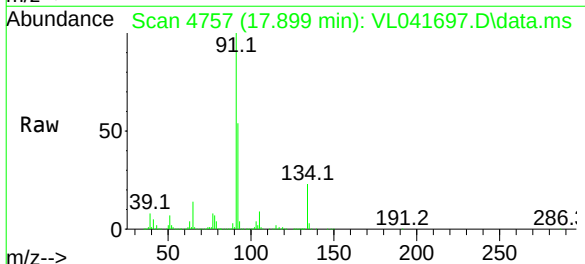
Manual Integrations
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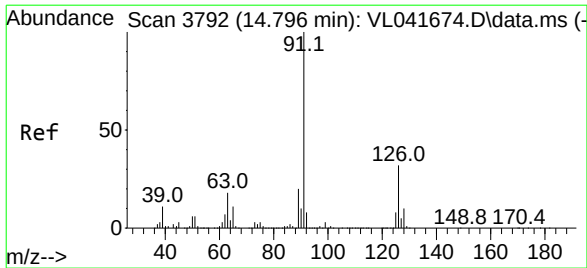
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



#70
n-Butylbenzene
Concen: 10.643 ppbv
RT: 17.899 min Scan# 4757
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Tgt Ion: 91 Resp: 5076678
Ion Ratio Lower Upper
91 100
92 53.9 43.3 64.9
134 23.0 18.4 27.6





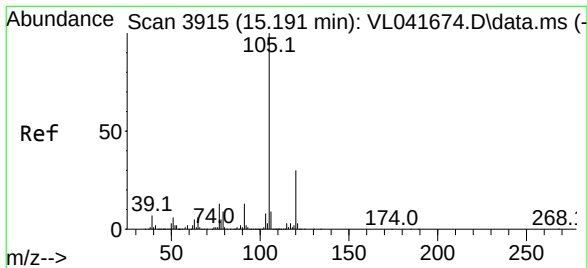
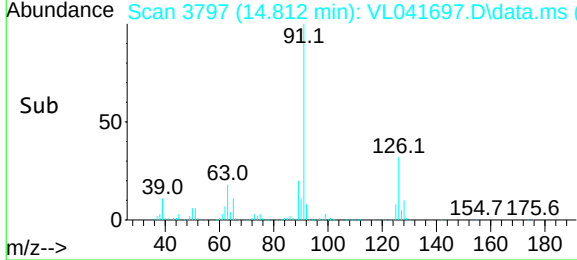
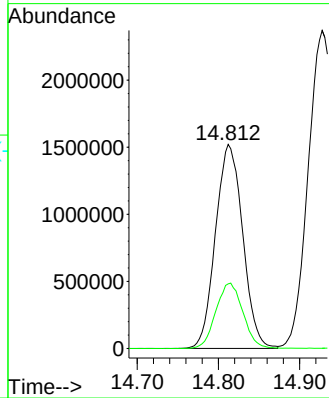
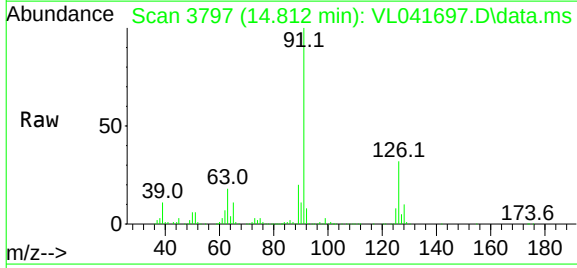
#71
2-Chlorotoluene
Concen: 10.763 ppbv
RT: 14.812 min Scan# 3792
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 3541658
Ion Ratio Lower Upper
91 100
126 31.9 12.8 51.0

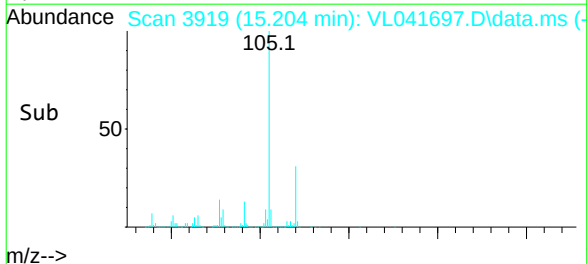
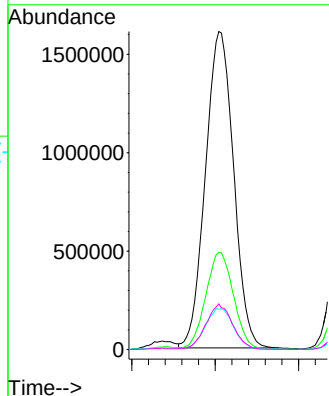
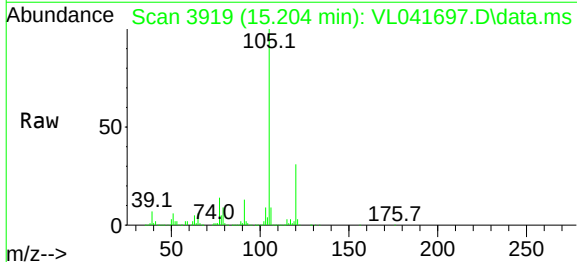
Manual Integrations
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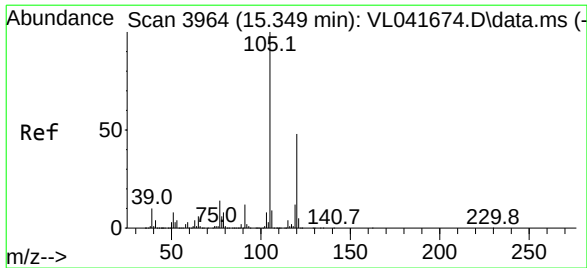
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



#72
4-Ethyltoluene
Concen: 10.996 ppbv
RT: 15.204 min Scan# 3919
Delta R.T. 0.013 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

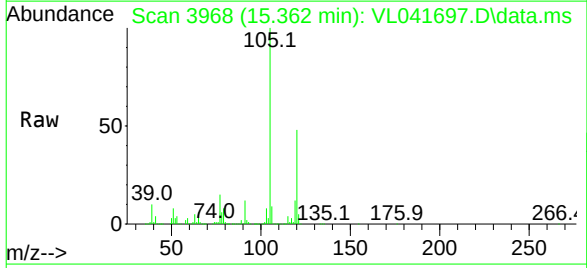
Tgt Ion:105 Resp: 3768131
Ion Ratio Lower Upper
105 100
120 31.4 25.0 37.4
91 13.7 10.6 15.8
77 13.9 11.1 16.7





#73
1,3,5-Trimethylbenzene
Concen: 10.743 ppbv
RT: 15.362 min Scan# 39
Delta R.T. 0.013 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

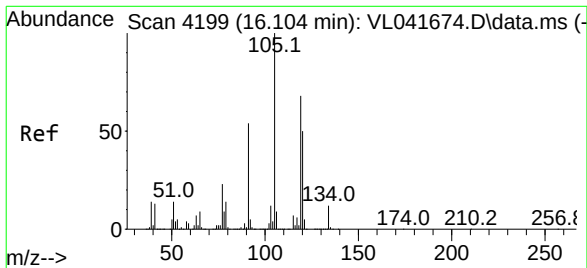
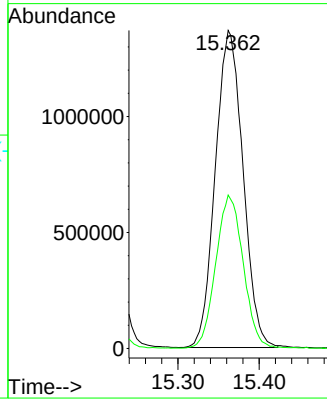
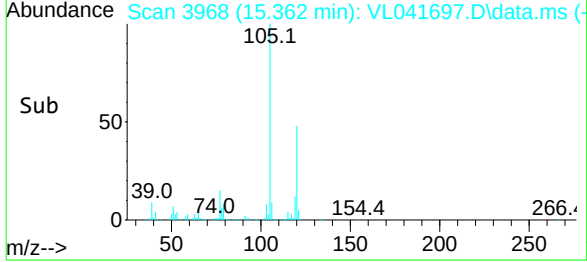
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



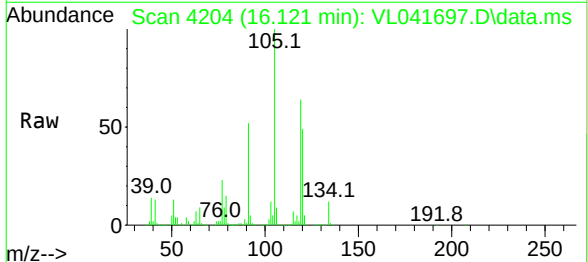
Tgt Ion:105 Resp: 3230569
Ion Ratio Lower Upper
105 100
120 48.3 38.4 57.6

Manual Integrations
APPROVED

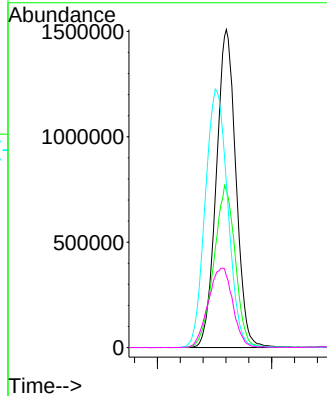
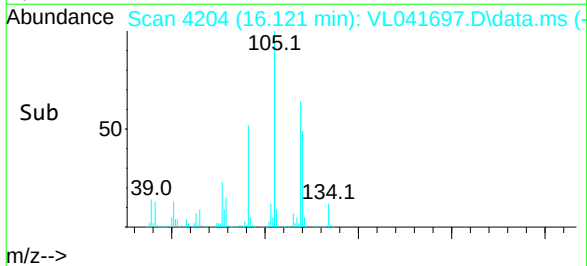
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024

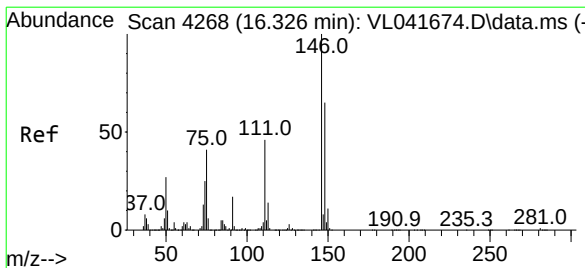


#74
1,2,4-Trimethylbenzene
Concen: 10.304 ppbv
RT: 16.121 min Scan# 4204
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09



Tgt Ion:105 Resp: 3599066
Ion Ratio Lower Upper
105 100
120 49.4 39.8 59.8
91 51.8 43.2 64.8
77 22.5 18.5 27.7





#75

1,3-Dichlorobenzene

Concen: 10.266 ppbv

RT: 16.346 min Scan# 4268

Delta R.T. 0.019 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:146 Resp: 2220877

Ion Ratio Lower Upper

146 100

111 45.1 22.8 68.3

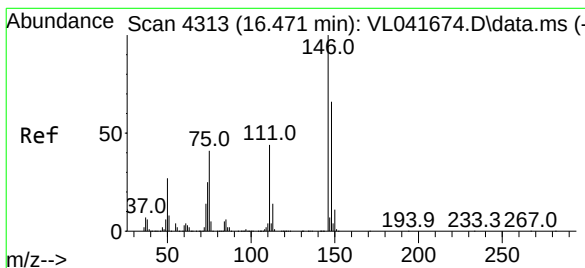
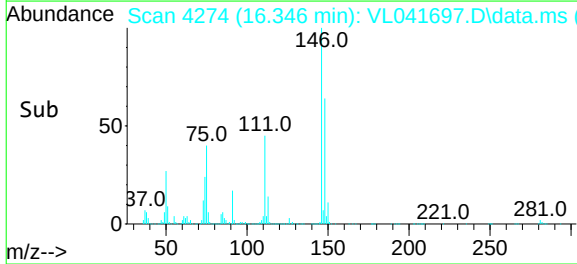
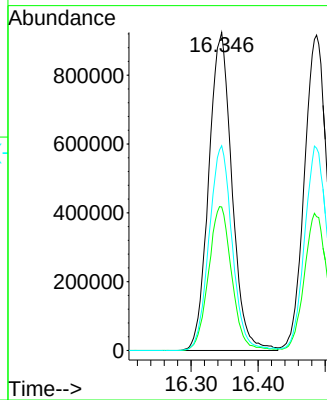
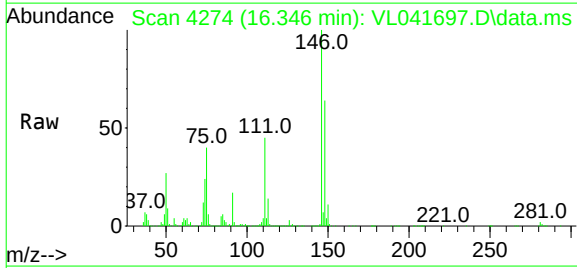
148 64.0 32.4 97.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2024

Supervised By :Mahesh Dadoda 11/21/2024



#76

1,4-Dichlorobenzene

Concen: 10.462 ppbv

RT: 16.487 min Scan# 4318

Delta R.T. 0.016 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

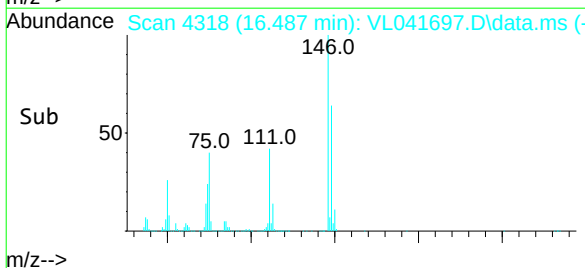
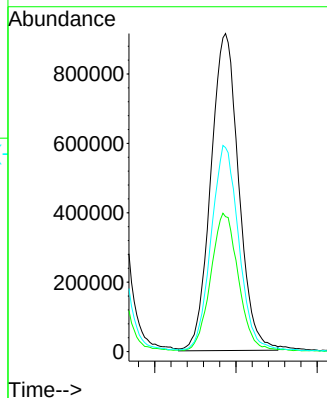
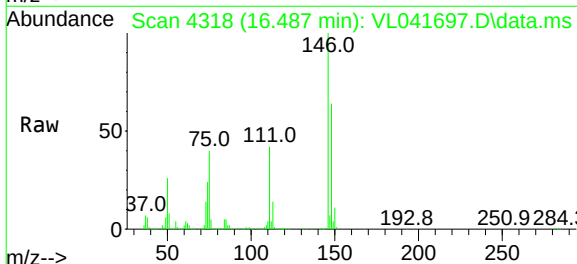
Tgt Ion:146 Resp: 2183586

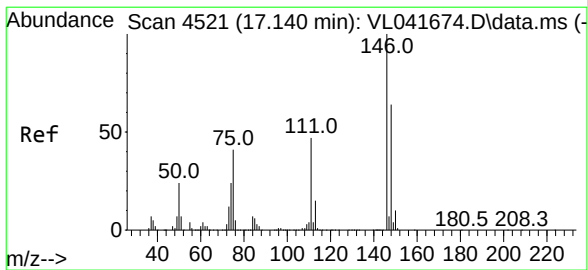
Ion Ratio Lower Upper

146 100

111 43.7 22.1 66.3

148 64.5 33.3 99.8





#77

1,2-Dichlorobenzene

Concen: 10.028 ppbv

RT: 17.156 min Scan# 45

Delta R.T. 0.016 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

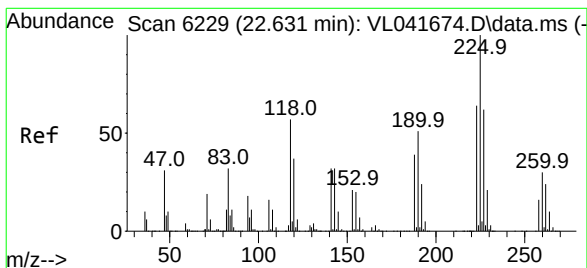
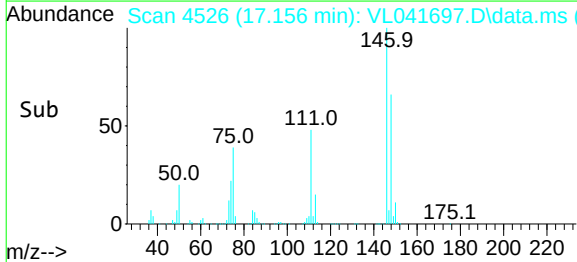
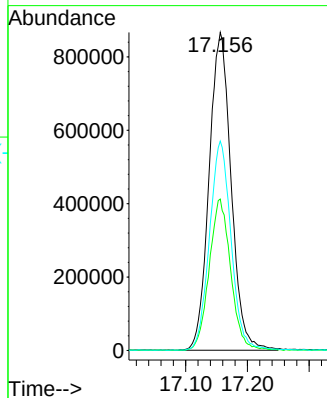
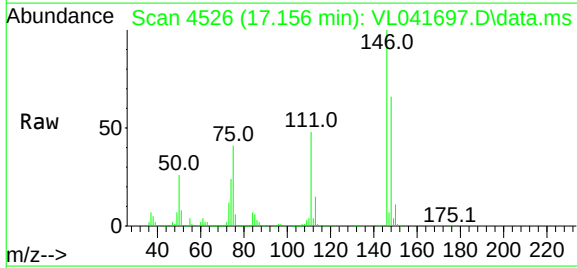
Tgt Ion:146 Resp: 2149012

Ion	Ratio	Lower	Upper
146	100		
111	46.5	23.4	70.3
148	64.8	32.1	96.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



#78

Hexachloro-1,3-Butadiene

Concen: 8.407 ppbv

RT: 22.648 min Scan# 6234

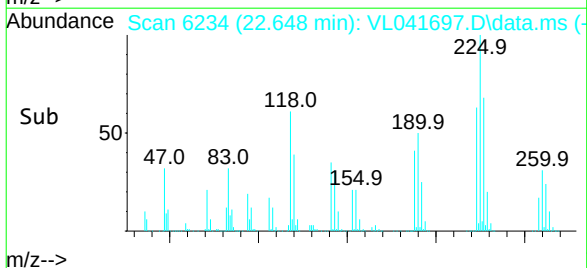
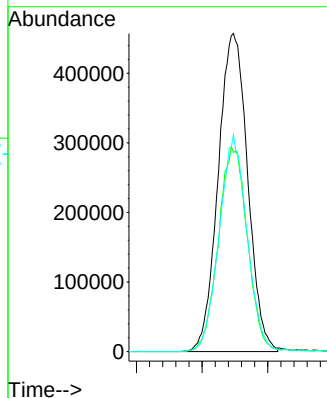
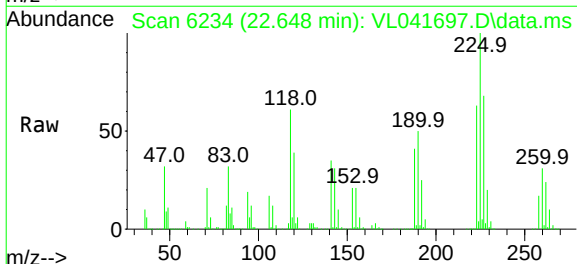
Delta R.T. 0.016 min

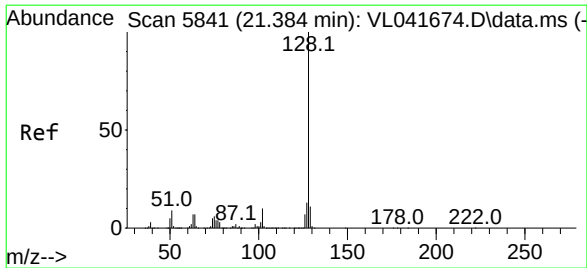
Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

Tgt Ion:225 Resp: 1424868

Ion	Ratio	Lower	Upper
225	100		
223	63.6	51.1	76.7
227	64.4	51.3	76.9





#79

Naphthalene

Concen: 13.019 ppbv

RT: 21.400 min Scan# 5841

Delta R.T. 0.016 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:128 Resp: 2807004

Ion Ratio Lower Upper

128 100

127 12.8 10.5 15.7

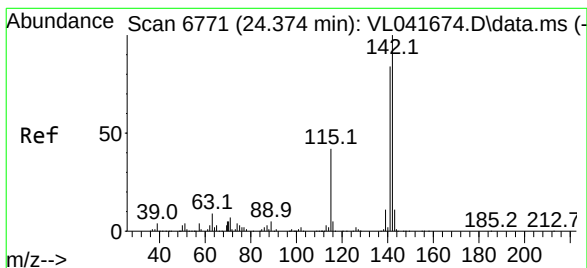
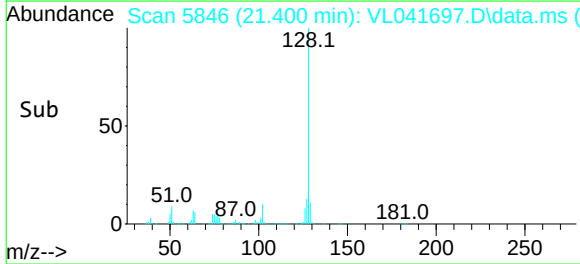
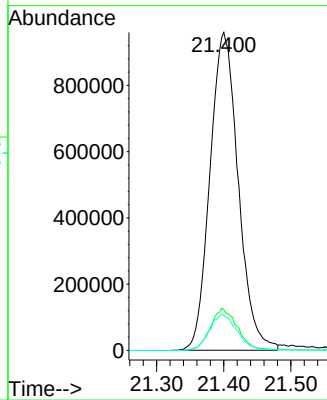
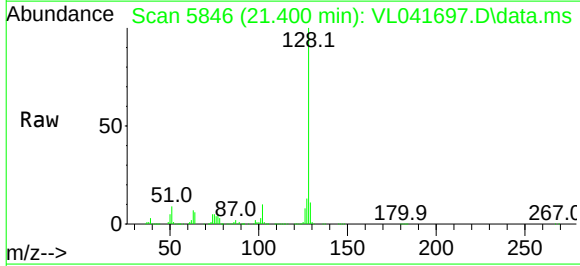
129 11.0 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2024

Supervised By :Mahesh Dadoda 11/21/2024



#80

Naphthalene,2-methyl-

Concen: 11.821 ppbv

RT: 24.387 min Scan# 6775

Delta R.T. 0.013 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

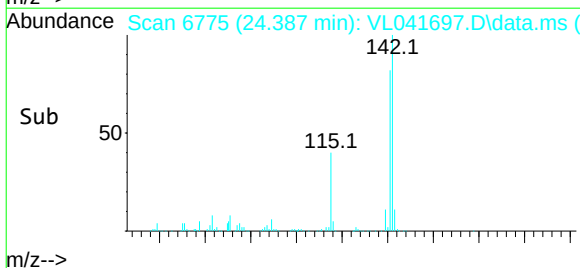
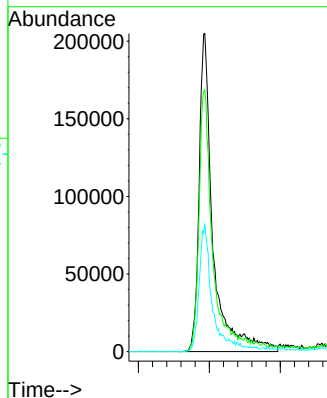
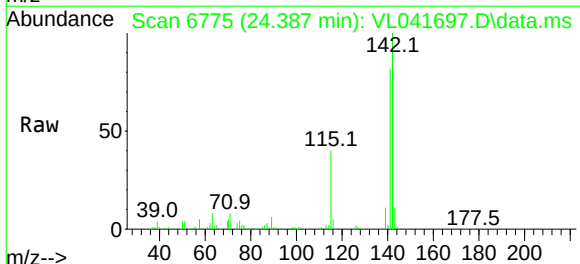
Tgt Ion:142 Resp: 555593

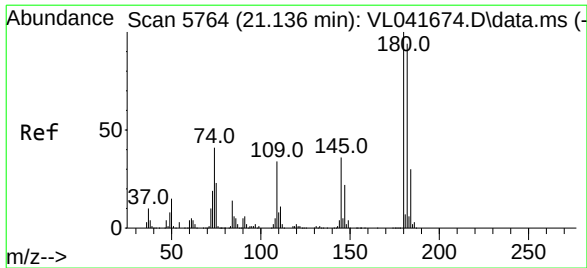
Ion Ratio Lower Upper

142 100

141 83.0 68.1 102.1

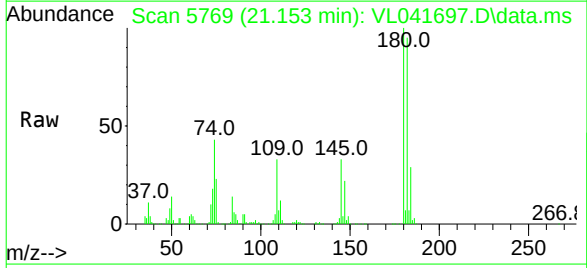
115 39.5 33.1 49.7





#81
1,2,4-Trichlorobenzene
Concen: 10.633 ppbv
RT: 21.153 min Scan# 5769
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

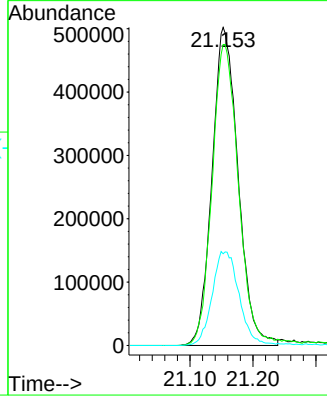
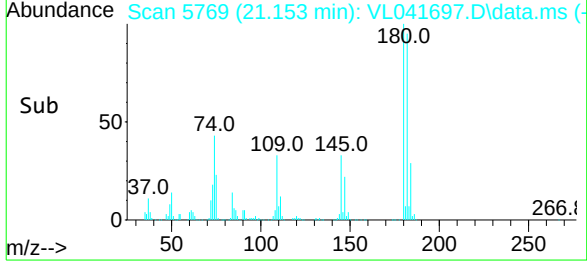


Tgt Ion:180 Resp: 1441696

Ion	Ratio	Lower	Upper
180	100		
182	96.9	78.2	117.2
184	30.7	25.0	37.4

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112024\
 Data File : VL041697.D
 Acq On : 20 Nov 2024 8:09
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 LabSampleId :
 VSTDCCC010

Quant Time: Nov 21 05:07:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Nov 08 01:01:00 2024
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	1.000	1.000	0.0	96	0.02
2 T	Dichlorodifluoromethane	1.807	1.905	-5.4	97	0.01
3	Chlorodifluoromethane	1.303	1.260	3.3	102	0.01
4	Chloromethane	0.690	0.681	1.3	101	0.01
5 T	Vinyl Chloride	0.621	0.660	-6.3	101	0.02
6 T	Bromomethane	0.329	0.342	-4.0	104	0.02
7	Chloroethane	0.227	0.234	-3.1	101	0.02
8 T	Dichlorotetrafluoroethane	1.613	1.577	2.2	103	0.02
9 T	Propene	0.568	0.563	0.9	102	0.01
10 T	Heptane	1.272	1.394	-9.6	102	0.01
11 T	Trichlorofluoromethane	1.574	1.584	-0.6	103	0.02
12 T	1,1,2-Trichlorotrifluoroeth	1.144	1.149	-0.4	103	0.02
13	Ethanol	0.035	0.031#	11.4	104	0.00
14 T	Bromoethene	0.460	0.474	-3.0	106	0.01
15 T	Acetone	1.231	1.217	1.1	106	0.02
16 T	1,3-Butadiene	0.621	0.667	-7.4	102	0.02
17	tert-Butyl alcohol	1.080	1.099	-1.8	102	0.02
18 T	1,1-Dichloroethene	0.502	0.522	-4.0	105	0.02
19 T	Isopropyl Alcohol	0.588	0.602	-2.4	105	0.02
20 T	Methylene Chloride	0.453	0.432	4.6	104	0.02
21 T	Allyl Chloride	0.761	0.820	-7.8	104	0.02
22 T	trans-1,2-Dichloroethene	0.499	0.530	-6.2	105	0.02
23 T	Vinyl Acetate	0.543	0.566	-4.2	106	0.02
24 T	1,1-Dichloroethane	1.114	1.148	-3.1	105	0.02
25 T	Ethyl Acetate	2.548	2.629	-3.2	102	0.01
26 T	Hexane	0.979	1.034	-5.6	103	0.02
27 T	Carbon Disulfide	1.100	1.288	-17.1	105	0.02
28 T	Methyl tert-Butyl Ether	0.630	0.620	1.6	104	0.02
29 T	Chloroform	1.616	1.636	-1.2	103	0.02
30 T	Cyclohexane	0.833	0.887	-6.5	103	0.02
31 T	cis-1,2-Dichloroethene	0.942	0.999	-6.1	102	0.02
32 T	1,1,1-Trichloroethane	1.474	1.573	-6.7	101	0.02
33 I	1,4-Difluorobenzene	1.000	1.000	0.0	97	0.02
34 T	2-Butanone	0.498	0.485	2.6	98	0.02
35 T	Carbon Tetrachloride	0.528	0.592	-12.1	102	0.02
36 T	Benzene	0.741	0.784	-5.8	103	0.02
37 T	1,2-Dichloroethane	0.418	0.435	-4.1	103	0.02
38 T	Trichloroethene	0.285	0.318	-11.6	102	0.02
39 T	1,2-Dichloropropane	0.293	0.303	-3.4	103	0.02
40 T	1,4-Dioxane	0.105	0.116	-10.5	101	0.02
41 T	Tetrahydrofuran	0.284	0.314	-10.6	103	0.02
42 T	Bromodichloromethane	0.581	0.621	-6.9	102	0.02
43	Methyl Methacrylate	0.260	0.300	-15.4	101	0.02
44 T	2,2,4-Trimethylpentane	1.255	1.323	-5.4	102	0.02
45 T	t-1,3-Dichloropropene	0.238	0.301	-26.5	103	0.02
46 T	cis-1,3-Dichloropropene	0.341	0.407	-19.4	102	0.02
47 T	1,1,2-Trichloroethane	0.317	0.324	-2.2	102	0.02
48 T	Dibromochloromethane	0.482	0.536	-11.2	101	0.02

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112024\
 Data File : VL041697.D
 Acq On : 20 Nov 2024 8:09
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 LabSampleId :
 VSTDCCC010

Quant Time: Nov 21 05:07:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Nov 08 01:01:00 2024
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	Bromoform	0.412	0.475	-15.3	100	0.02
50 T	4-Methyl-2-Pentanone	0.764	0.837	-9.6	100	0.01
51 T	2-Hexanone	0.557	0.655	-17.6	101	0.01
52 T	Tetrachloroethene	0.252	0.286	-13.5	100	0.01
53 T	Toluene	0.779	0.897	-15.1	101	0.02
54 T	1,2-Dibromoethane	0.370	0.435	-17.6	101	0.02
55 I	Chlorobenzene-d5	1.000	1.000	0.0	95	0.02
56	1,1,1,2-Tetrachloroethane	0.412	0.408	1.0	101	0.02
57 T	Chlorobenzene	0.740	0.714	3.5	100	0.01
58 T	Ethyl Benzene	1.096	1.221	-11.4	101	0.02
59 T	m/p-Xylene	0.982	1.041	-6.0	101	0.02
60 T	o-Xylene	0.936	1.009	-7.8	101	0.02
61 T	Styrene	0.386	0.484	-25.4	101	0.01
62	Isopropylbenzene	1.446	1.487	-2.8	101	0.02
63 T	1,1,2,2-Tetrachloroethane	0.689	0.703	-2.0	101	0.02
64	n-propylbenzene	0.378	0.402	-6.3	101	0.02
65	tert-Butylbenzene	1.299	1.331	-2.5	101	0.01
66 T	Benzyl Chloride	0.100	0.118	-18.0	103	0.02
67	sec-Butylbenzene	1.831	1.868	-2.0	100	0.01
68 S	1-Bromo-4-Fluorobenzene	0.737	0.734	0.4	97	0.01
69	p-Isopropyltoluene	1.481	1.560	-5.3	100	0.02
70	n-Butylbenzene	1.515	1.612	-6.4	101	0.02
71	2-Chlorotoluene	1.045	1.125	-7.7	101	0.02
72 T	4-Ethyltoluene	1.088	1.197	-10.0	100	0.01
73 T	1,3,5-Trimethylbenzene	0.955	1.026	-7.4	100	0.01
74 T	1,2,4-Trimethylbenzene	1.109	1.143	-3.1	101	0.02
75 T	1,3-Dichlorobenzene	0.687	0.705	-2.6	101	0.02
76 T	1,4-Dichlorobenzene	0.663	0.694	-4.7	102	0.02
77 T	1,2-Dichlorobenzene	0.681	0.683	-0.3	100	0.02
78 T	Hexachloro-1,3-Butadiene	0.538	0.453	15.8	100	0.02
79 T	Naphthalene	0.685	0.892	-30.2#	101	0.02
80 T	Naphthalene,2-methyl-	0.149	0.176	-18.1	119	0.01
81 T	1,2,4-Trichlorobenzene	0.431	0.458	-6.3	102	0.02

(#) = Out of Range

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P4633 SAS No.: P4633 SDG No.: P4633

Instrument ID: MSVOA_L Calibration Date/Time: 11/21/2024 08:50

Lab File ID: VL041711.D Init. Calib. Date(s): 11/07/2024 11/07/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:15 14:12

GC Column: RTX-1 ID: 0.32 (mm)

COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
Chlorodifluoromethane	0.467	0.438		-6.21	30
Dichlorodifluoromethane	1.807	1.212		-32.93	30
Ethanol	0.035	0.031		-11.43	30
Chloromethane	0.690	0.658		-4.64	30
Vinyl Chloride	0.621	0.629		1.29	30
Ethyl Acetate	2.548	2.515		-1.29	30
Bromomethane	0.329	0.323		-1.82	30
Chloroethane	0.227	0.229		0.88	30
Tetrahydrofuran	0.284	0.314		10.56	30
Trichlorofluoromethane	1.574	1.487		-5.53	30
1,1,2-Trichlorotrifluoroethane	1.144	1.106		-3.32	30
Dichlorotetrafluoroethane	1.613	1.494		-7.38	30
Bromoethene	0.460	0.448		-2.61	30
Propene	0.568	0.535		-5.81	30
tert-Butyl alcohol	1.080	1.080		0	30
Heptane	1.272	1.333		4.8	30
Isopropyl Alcohol	0.588	0.581		-1.19	30
1,1-Dichloroethene	0.502	0.487		-2.99	30
Acetone	1.231	1.137		-7.64	30
Carbon Disulfide	1.100	1.195		8.64	30
Methyl tert-Butyl Ether	0.630	0.609		-3.33	30
Methylene Chloride	0.453	0.410		-9.49	30
trans-1,2-Dichloroethene	0.499	0.500		0.2	30
Vinyl Acetate	0.543	0.536		-1.29	30
1,1-Dichloroethane	1.114	1.068		-4.13	30
Cyclohexane	0.833	0.844		1.32	30
2-Butanone	0.498	0.450		-9.64	30
Carbon Tetrachloride	0.528	0.568		7.58	30
cis-1,2-Dichloroethene	0.942	0.961		2.02	30
Chloroform	1.616	1.533		-5.14	30
1,1,1-Trichloroethane	1.474	1.501		1.83	30
2,2,4-Trimethylpentane	1.255	1.287		2.55	30
Benzene	0.741	0.766		3.37	30
1,2-Dichloroethane	0.418	0.423		1.2	30
Trichloroethene	0.285	0.311		9.12	30
1,2-Dichloropropane	0.293	0.294		0.34	30
Bromodichloromethane	0.581	0.606		4.3	30
4-Methyl-2-Pentanone	0.764	0.825		7.98	30

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P4633 SAS No.: P4633 SDG No.: P4633

Instrument ID: MSVOA_L Calibration Date/Time: 11/21/2024 08:50

Lab File ID: VL041711.D Init. Calib. Date(s): 11/07/2024 11/07/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:15 14:12

GC Column: RTX-1 ID: 0.32 (mm)

COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
Toluene	0.779	0.882		13.22	30
t-1,3-Dichloropropene	0.238	0.293		23.11	30
cis-1,3-Dichloropropene	0.341	0.398		16.72	30
1,1,2-Trichloroethane	0.317	0.314		-0.95	30
2-Hexanone	0.557	0.638		14.54	30
Dibromochloromethane	0.482	0.517		7.26	30
1,2-Dibromoethane	0.370	0.425		14.86	30
Tetrachloroethene	0.252	0.281		11.51	30
Chlorobenzene	0.740	0.735		-0.68	30
Ethyl Benzene	1.096	1.271		15.97	30
m/p-Xylene	0.982	1.078		9.78	30
o-Xylene	0.936	1.037		10.79	30
Styrene	0.386	0.500		29.53	30
Bromoform	0.412	0.457		10.92	30
Isopropylbenzene	1.446	1.530		5.81	30
1,1,2,2-Tetrachloroethane	0.689	0.719		4.35	30
2-Chlorotoluene	1.045	1.163		11.29	30
1,3,5-Trimethylbenzene	0.955	1.062		11.2	30
1,2,4-Trimethylbenzene	1.109	1.174		5.86	30
1,3-Dichlorobenzene	0.687	0.723		5.24	30
1,4-Dichlorobenzene	0.663	0.699		5.43	30
1,2-Dichlorobenzene	0.681	0.704		3.38	30
1,2,4-Trichlorobenzene	0.431	0.501		16.24	30
Hexachloro-1,3-Butadiene	0.538	0.486		-9.66	30
1,3-Butadiene	0.621	0.630		1.45	30
Naphthalene	0.685	0.985		43.8	30
4-Ethyltoluene	1.088	1.247		14.61	30
1-Bromo-4-Fluorobenzene	0.737	0.753		2.17	30
Hexane	0.979	0.996		1.74	30
Allyl Chloride	0.761	0.771		1.31	30
Benzyl Chloride	0.100	0.120		20	30
1,4-Dioxane	105.056	114.885		9.36	30
Methyl Methacrylate	0.260	0.299		15	30

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_L\Data\VL112124\
 Data File : VL041711.D
 Acq On : 21 Nov 2024 8:50
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Manual Integrations

APPROVED

Reviewed By : Semsettin Yesilyurt 11/22/2024
 Supervised By : Mahesh Dadoda 11/22/2024

Quant Time: Nov 22 01:01:27 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Nov 22 01:00:55 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.221	49	1173714	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.684	114	3217567	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.497	117	2996508m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.806 95 2257188 10.223 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.758	85	1422464	6.705	ppbv	99
3) Chlorodifluoromethane	2.703	51	1408647	9.211	ppbv	99
4) Chloromethane	2.841	50	772568	9.537	ppbv	100
5) Vinyl Chloride	2.948	62	738827	10.139	ppbv	99
6) Bromomethane	3.147	94	378603	9.794	ppbv	97
7) Chloroethane	3.227	64	268516	10.097	ppbv	99
8) Dichlorotetrafluoroethane	2.883	85	1753531	9.260	ppbv	98
9) Propene	2.722	41	628191	9.427	ppbv	98
10) Heptane	7.610	43	1564942	10.481	ppbv	99
11) Trichlorofluoromethane	3.591	101	1745375	9.446	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.095	101	1298147	9.665	ppbv	99
13) Ethanol	3.275	45	35822m	8.780	ppbv	
14) Bromoethene	3.394	108	526015	9.742	ppbv	97
15) Acetone	3.497	43	1333944	9.235	ppbv	98
16) 1,3-Butadiene	3.012	39	739980	10.153	ppbv	100
17) tert-Butyl alcohol	3.906	59	1267990	10.003	ppbv	99
18) 1,1-Dichloroethene	3.909	96	571205	9.697	ppbv	94
19) Isopropyl Alcohol	3.603	45	682305	9.882	ppbv	99
20) Methylene Chloride	3.960	84	481797	9.064	ppbv	95
21) Allyl Chloride	4.025	41	904964	10.138	ppbv	99
22) trans-1,2-Dichloroethene	4.475	96	587155	10.025	ppbv	97
23) Vinyl Acetate	4.655	43	629204	9.881	ppbv	99
24) 1,1-Dichloroethane	4.594	63	1253068	9.585	ppbv	99
25) Ethyl Acetate	5.234	43	2952376	9.874	ppbv	100
26) Hexane	5.243	57	1169502	10.181	ppbv	98
27) Carbon Disulfide	4.153	76	1403031	10.871	ppbv	99
28) Methyl tert-Butyl Ether	4.616	73	715210	9.668	ppbv	100
29) Chloroform	5.308	83	1799780	9.492	ppbv	100
30) Cyclohexane	6.632	84	990103	10.122	ppbv	99
31) cis-1,2-Dichloroethene	5.108	61	1127435	10.202	ppbv	99
32) 1,1,1-Trichloroethane	6.034	97	1761688	10.184	ppbv	99
34) 2-Butanone	4.816	43	1449252	9.046	ppbv	99
35) Carbon Tetrachloride	6.526	117	1827244	10.764	ppbv	97
36) Benzene	6.401	78	2463354	10.333	ppbv	99
37) 1,2-Dichloroethane	5.838	62	1361156	10.120	ppbv	99
38) Trichloroethene	7.327	130	1001170	10.934	ppbv	99
39) 1,2-Dichloropropane	7.108	63	946394	10.045	ppbv	98
40) 1,4-Dioxane	7.317	88	369652	10.936	ppbv #	1
41) Tetrahydrofuran	5.587	42	1011478	11.055	ppbv	100
42) Bromodichloromethane	7.282	83	1950791	10.438	ppbv	100
43) Methyl Methacrylate	7.507	69	960580	11.476	ppbv	99
44) 2,2,4-Trimethylpentane	7.356	57	4139526	10.251	ppbv	100
45) t-1,3-Dichloropropene	8.741	75	943007	12.329	ppbv	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112124\
 Data File : VL041711.D
 Acq On : 21 Nov 2024 8:50
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

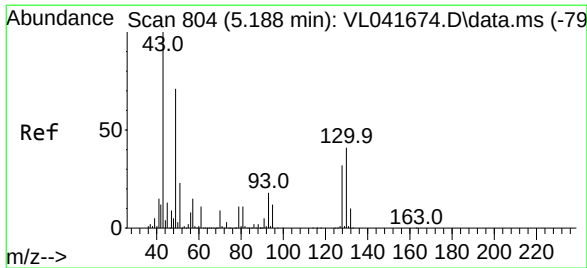
Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/22/2024
 Supervised By : Mahesh Dadoda 11/22/2024

Quant Time: Nov 22 01:01:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Fri Nov 22 01:00:55 2024
 Response via : Initial Calibration

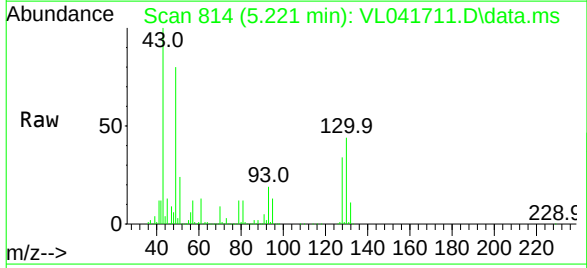
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.172	75	1279587	11.647	ppbv	98
47) 1,1,2-Trichloroethane	8.931	97	1009245	9.898	ppbv	98
48) Dibromochloromethane	9.741	129	1661895	10.722	ppbv	100
49) Bromoform	12.439	173	1469304	11.079	ppbv	100
50) 4-Methyl-2-Pentanone	8.211	43	2653020	10.787	ppbv	100
51) 2-Hexanone	9.581	43	2052626	11.460	ppbv	99
52) Tetrachloroethene	10.648	164	903960	11.127	ppbv	99
53) Toluene	9.253	91	2837342	11.317	ppbv	100
54) 1,2-Dibromoethane	10.040	107	1367674	11.480	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.539	131	1253171	10.140	ppbv	98
57) Chlorobenzene	11.558	112	2202336	9.937	ppbv	98
58) Ethyl Benzene	12.121	91	3808048	11.592	ppbv	99
59) m/p-Xylene	12.404	91	6459706m	21.958	ppbv	
60) o-Xylene	13.089	91	3108102	11.080	ppbv	99
61) Styrene	12.928	104	1498189	12.940	ppbv	100
62) Isopropylbenzene	14.060	105	4585032	10.583	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.079	83	2155854	10.448	ppbv	100
64) n-propylbenzene	14.944	120	1243110	10.961	ppbv	99
65) tert-Butylbenzene	16.117	119	4092301	10.510	ppbv	100
66) Benzyl Chloride	16.359	91	360391	12.031	ppbv	99
67) sec-Butylbenzene	16.667	105	5768247	10.510	ppbv	100
69) p-Isopropyltoluene	17.027	119	4812497	10.847	ppbv	100
70) n-Butylbenzene	17.918	91	4962014	10.930	ppbv	100
71) 2-Chlorotoluene	14.831	91	3484566	11.127	ppbv	99
72) 4-Ethyltoluene	15.224	105	3736233	11.456	ppbv	99
73) 1,3,5-Trimethylbenzene	15.381	105	3182515	11.120	ppbv	99
74) 1,2,4-Trimethylbenzene	16.140	105	3517746	10.582	ppbv	95
75) 1,3-Dichlorobenzene	16.362	146	2166163	10.522	ppbv	100
76) 1,4-Dichlorobenzene	16.506	146	2095111	10.547	ppbv	100
77) 1,2-Dichlorobenzene	17.175	146	2109445	10.343	ppbv	100
78) Hexachloro-1,3-Butadiene	22.664	225	1455287m	9.022	ppbv	
79) Naphthalene	21.419	128	2952462	14.389	ppbv	99
80) Naphthalene,2-methyl-	24.400	142	630748	14.101	ppbv	99
81) 1,2,4-Trichlorobenzene	21.175	180	1501117	11.633	ppbv	99

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.221 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

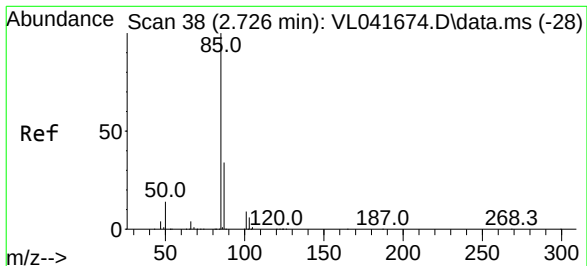
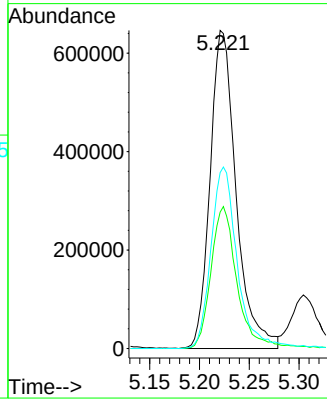
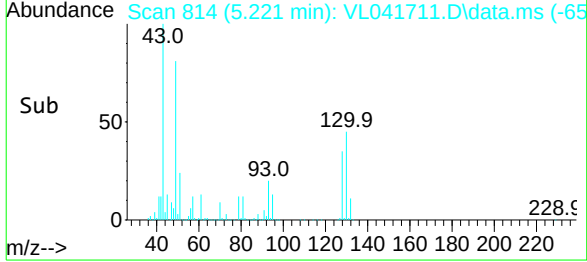
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 49 Resp: 1173714
Ion Ratio Lower Upper
49 100
128 44.9 23.8 71.2
130 58.5 30.1 90.5

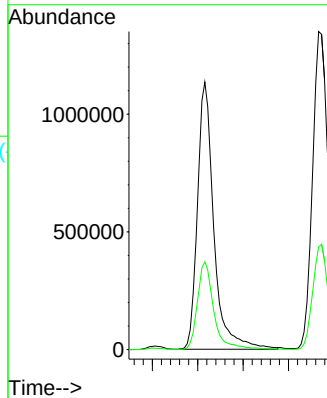
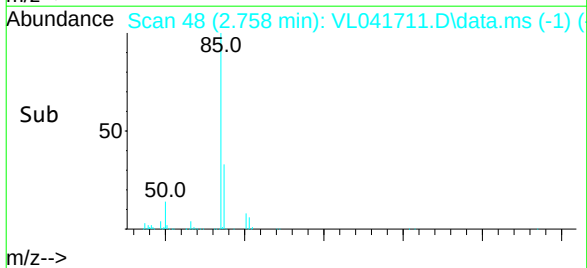
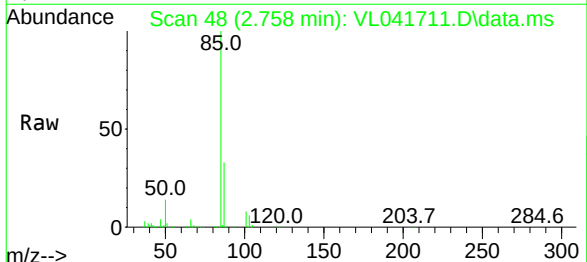
Manual Integrations
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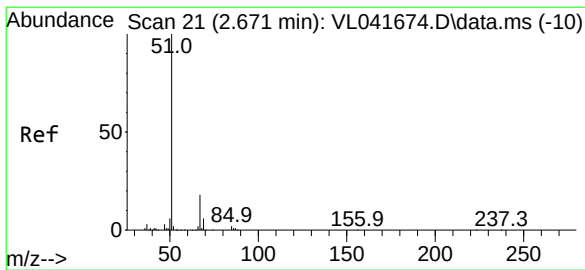
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#2
Dichlorodifluoromethane
Concen: 6.705 ppbv
RT: 2.758 min Scan# 48
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

Tgt Ion: 85 Resp: 1422464
Ion Ratio Lower Upper
85 100
87 32.8 26.8 40.2





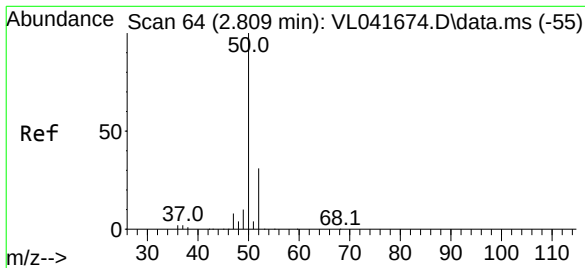
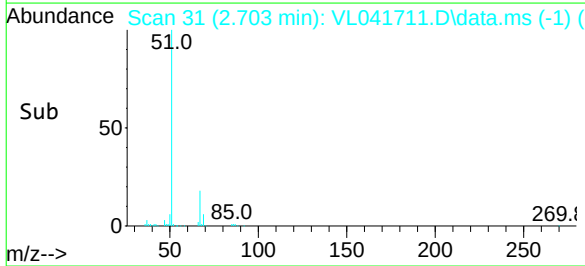
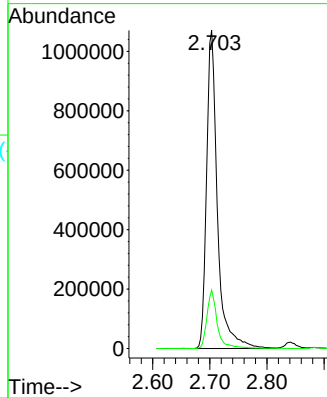
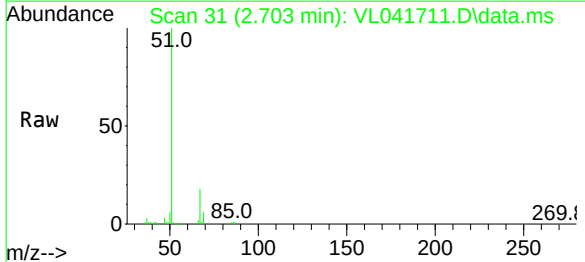
#3
Chlorodifluoromethane
Concen: 9.211 ppbv
RT: 2.703 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 51 Resp: 1408647
Ion Ratio Lower Upper
51 100
67 17.7 13.9 20.9

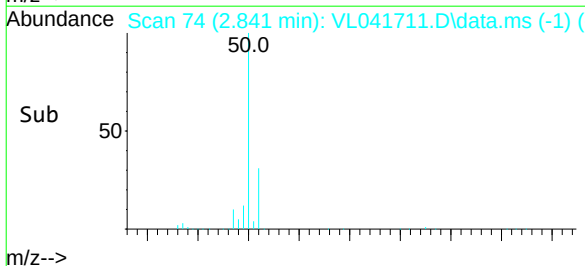
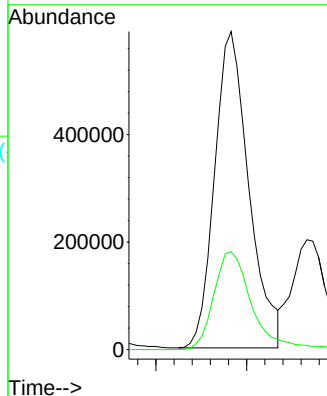
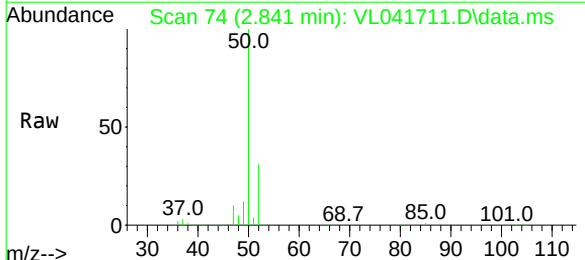
Manual Integrations
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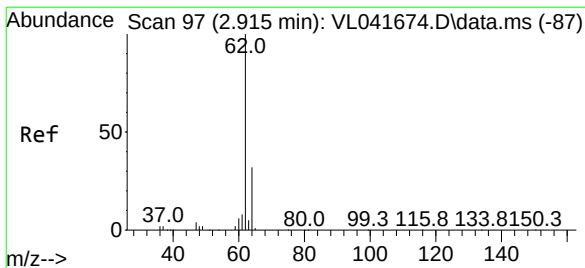
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#4
Chloromethane
Concen: 9.537 ppbv
RT: 2.841 min Scan# 74
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

Tgt Ion: 50 Resp: 772568
Ion Ratio Lower Upper
50 100
52 31.0 24.9 37.3





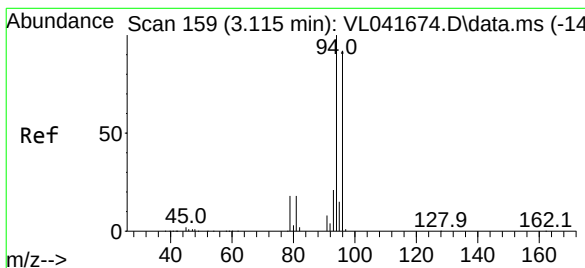
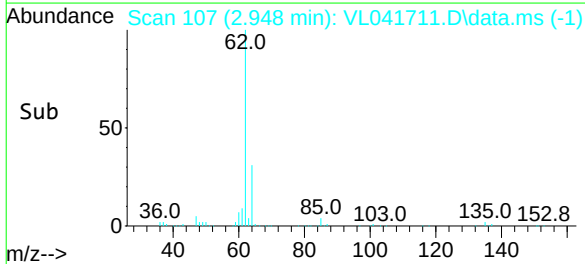
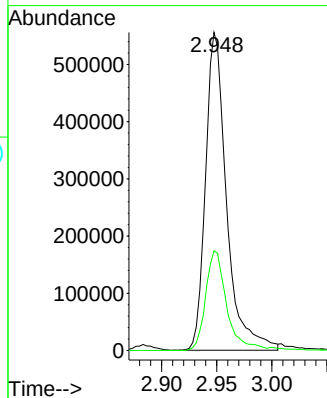
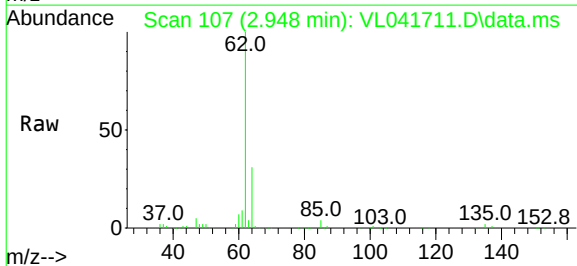
#5
 Vinyl Chloride
 Concen: 10.139 ppbv
 RT: 2.948 min Scan# 10
 Delta R.T. 0.000 min
 Lab File: VL041711.D
 Acq: 21 Nov 2024 8:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 62 Resp: 738827
 Ion Ratio Lower Upper
 62 100
 64 31.4 25.4 38.2

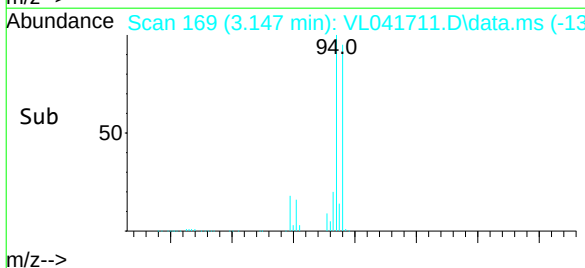
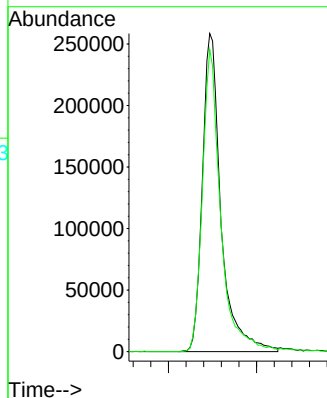
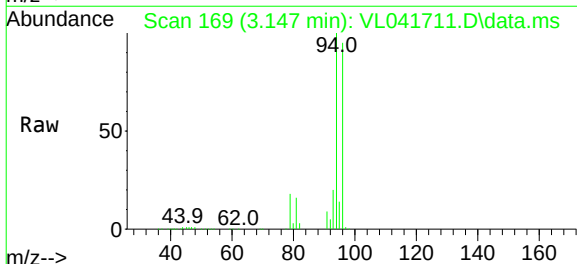
Manual Integrations
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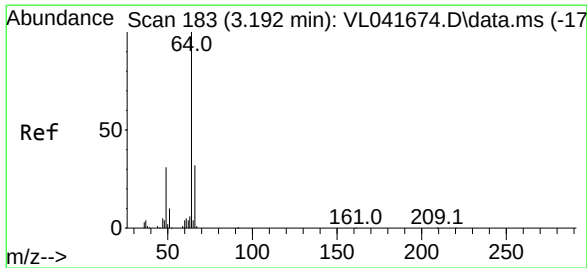
Reviewed By :Semsettin Yesilyurt 11/22/2024
 Supervised By :Mahesh Dadoda 11/22/2024



#6
 Bromomethane
 Concen: 9.794 ppbv
 RT: 3.147 min Scan# 169
 Delta R.T. 0.000 min
 Lab File: VL041711.D
 Acq: 21 Nov 2024 8:50

Tgt Ion: 94 Resp: 378603
 Ion Ratio Lower Upper
 94 100
 96 94.9 73.4 110.2





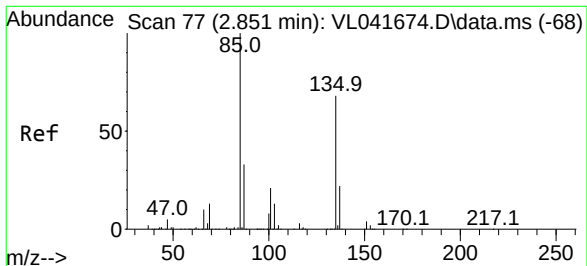
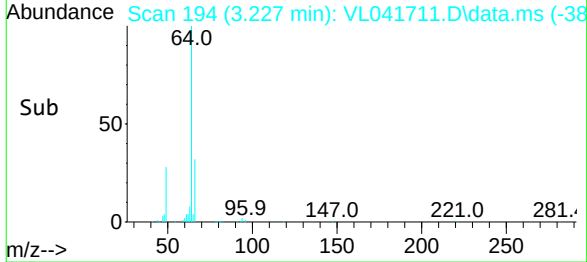
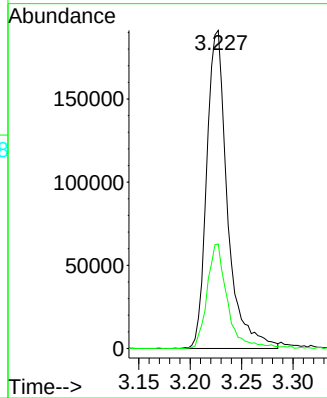
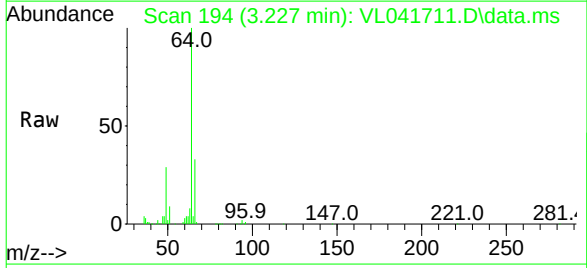
#7
Chloroethane
Concen: 10.097 ppbv
RT: 3.227 min Scan# 19
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 64 Resp: 268516
Ion Ratio Lower Upper
64 100
66 32.9 25.9 38.9

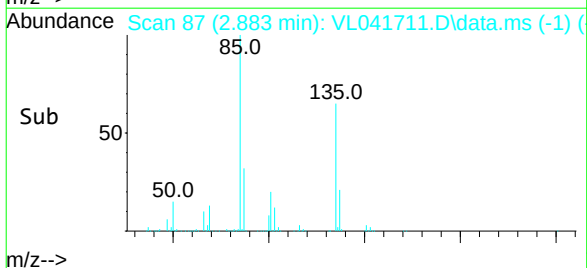
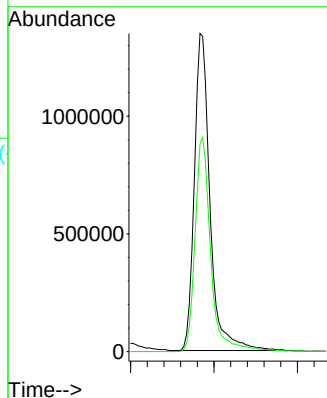
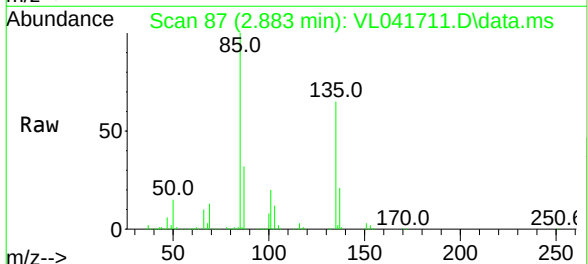
Manual Integrations
APPROVED

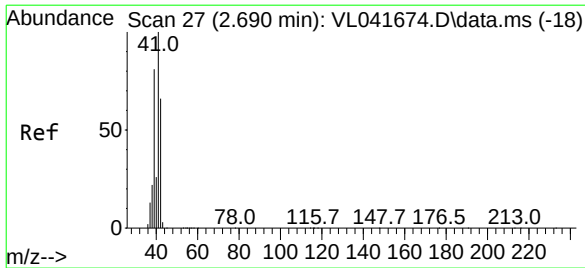
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#8
Dichlorotetrafluoroethane
Concen: 9.260 ppbv
RT: 2.883 min Scan# 87
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

Tgt Ion: 85 Resp: 1753531
Ion Ratio Lower Upper
85 100
135 68.0 55.5 83.3





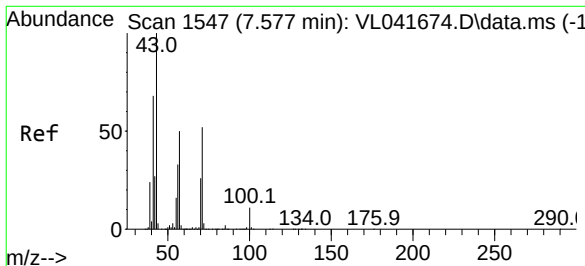
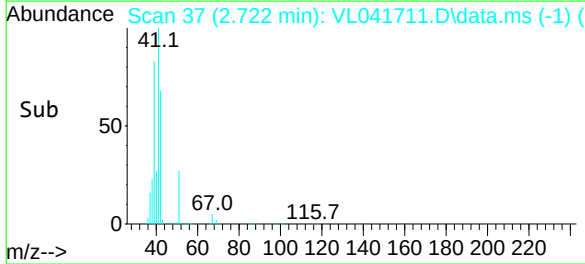
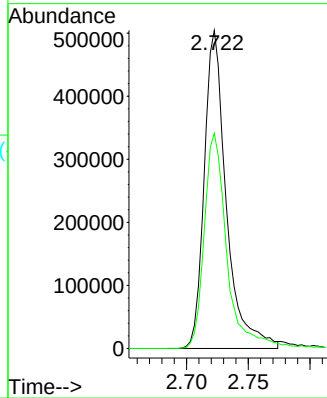
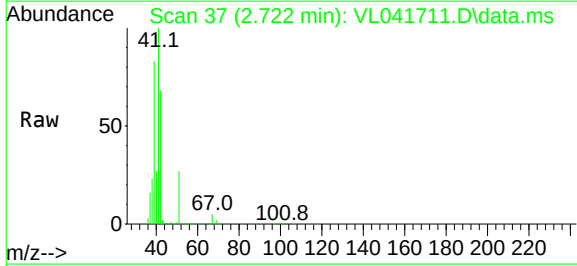
#9
Propene
Concen: 9.427 ppbv
RT: 2.722 min Scan# 37
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 628191
Ion Ratio Lower Upper
41 100
42 70.1 55.0 82.4

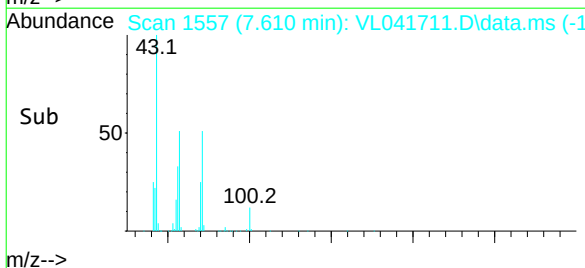
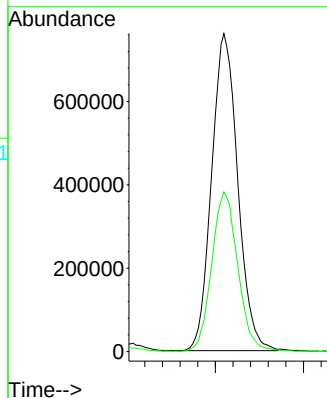
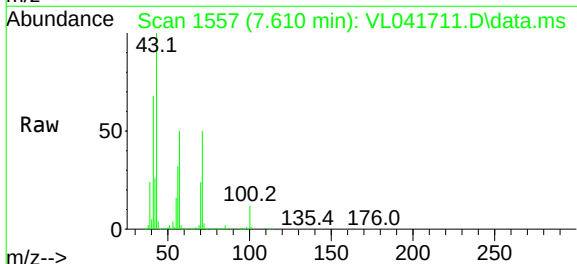
Manual Integrations
APPROVED

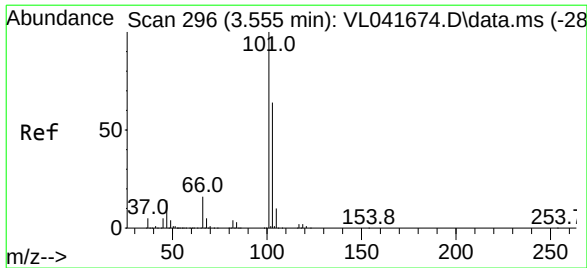
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#10
Heptane
Concen: 10.481 ppbv
RT: 7.610 min Scan# 1557
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

Tgt Ion: 43 Resp: 1564942
Ion Ratio Lower Upper
43 100
57 50.5 40.0 60.0





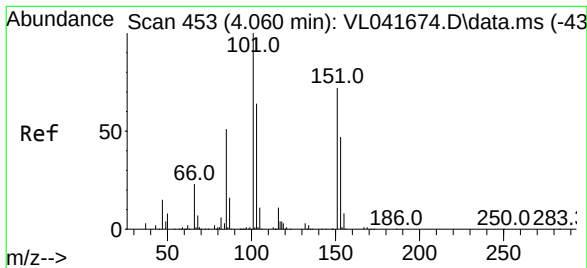
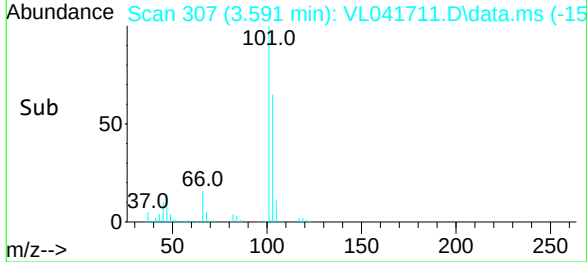
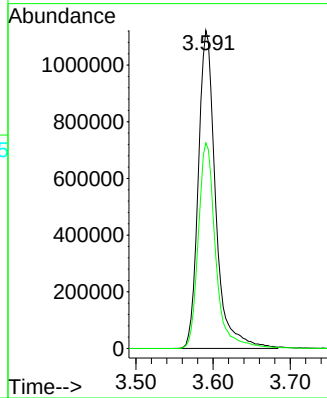
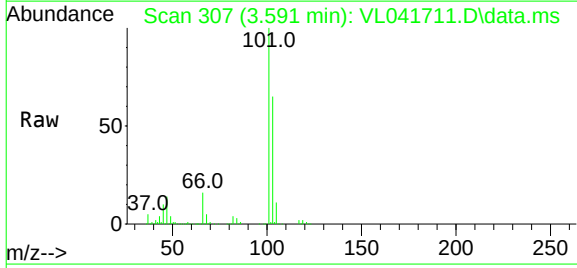
#11
Trichlorofluoromethane
Concen: 9.446 ppbv
RT: 3.591 min Scan# 307
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:101 Resp: 1745375
Ion Ratio Lower Upper
101 100
103 64.6 51.0 76.6

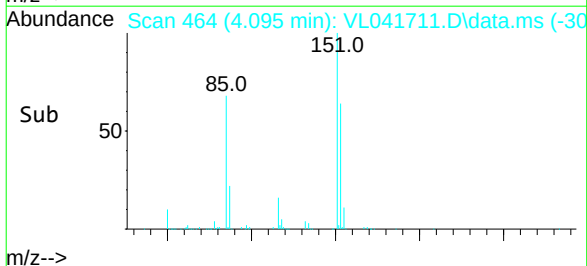
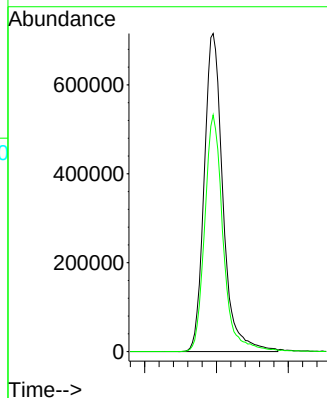
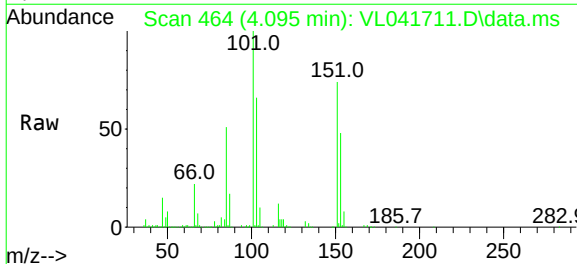
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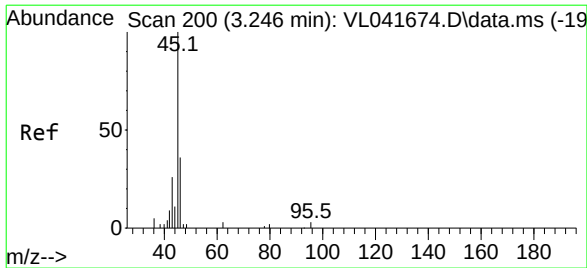
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.665 ppbv
RT: 4.095 min Scan# 464
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

Tgt Ion:101 Resp: 1298147
Ion Ratio Lower Upper
101 100
151 73.1 59.1 88.7





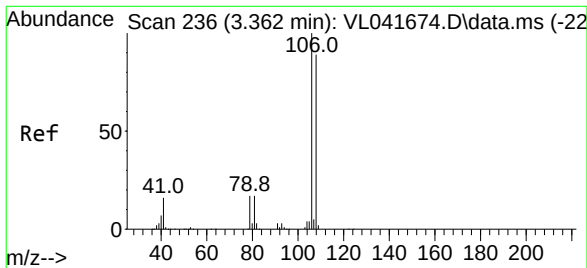
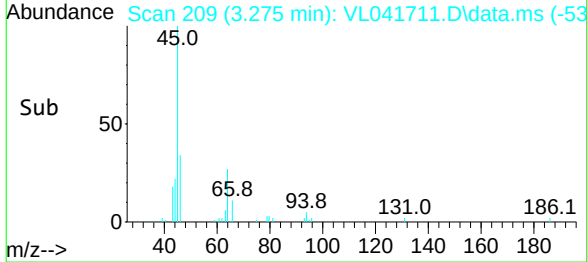
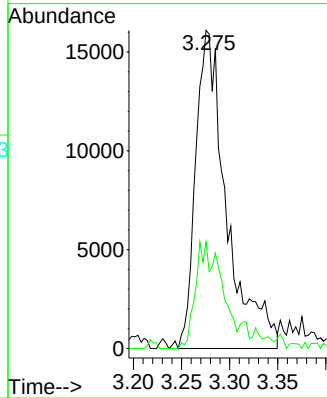
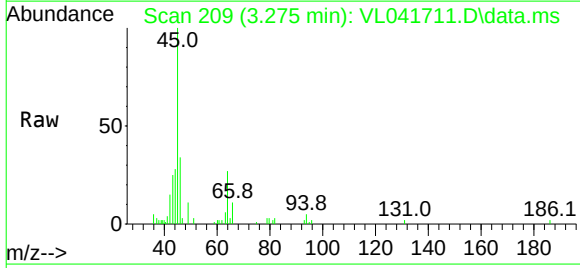
#13
Ethanol
Concen: 8.780 ppbv m
RT: 3.275 min Scan# 209
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 35822
Ion Ratio Lower Upper
45 100
46 34.9 13.8 55.2

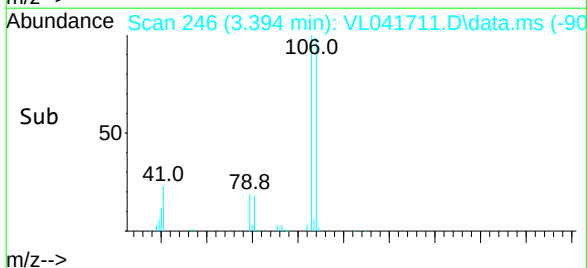
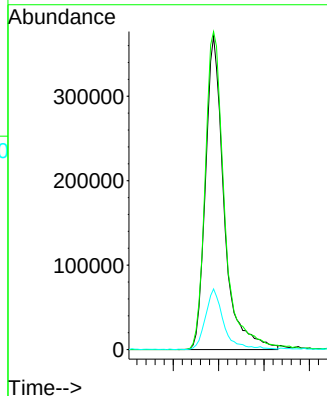
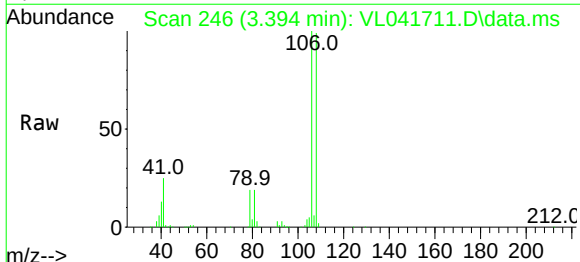
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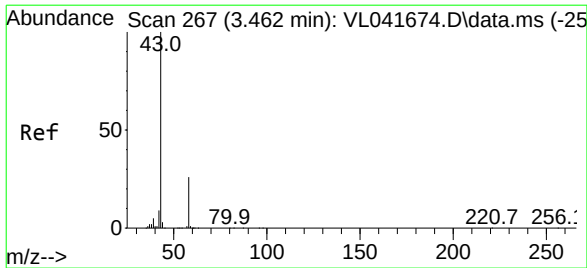
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#14
Bromoethene
Concen: 9.742 ppbv
RT: 3.394 min Scan# 246
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

Tgt Ion:108 Resp: 526015
Ion Ratio Lower Upper
108 100
106 107.1 88.6 133.0
79 19.3 15.6 23.4





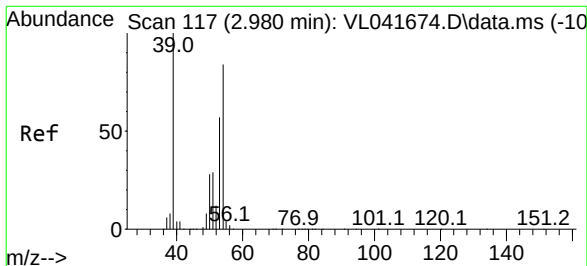
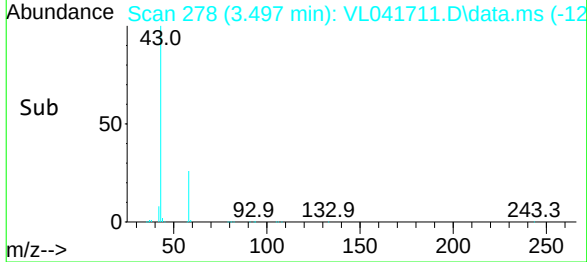
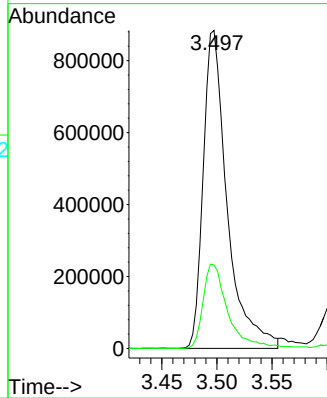
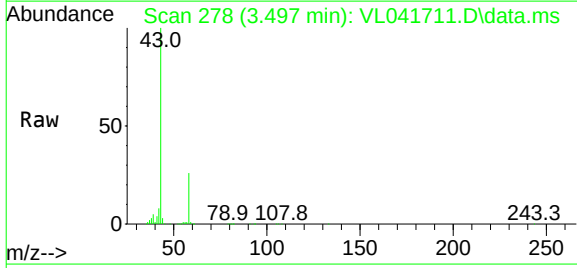
#15
Acetone
Concen: 9.235 ppbv
RT: 3.497 min Scan# 27
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 1333944
Ion Ratio Lower Upper
43 100
58 27.8 21.4 32.0

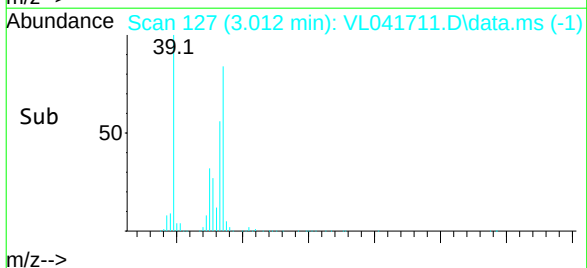
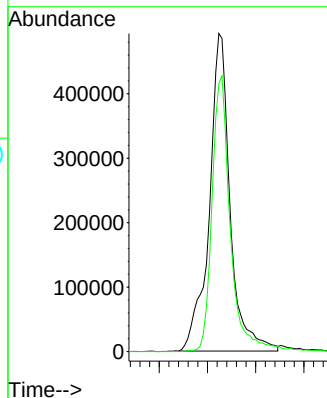
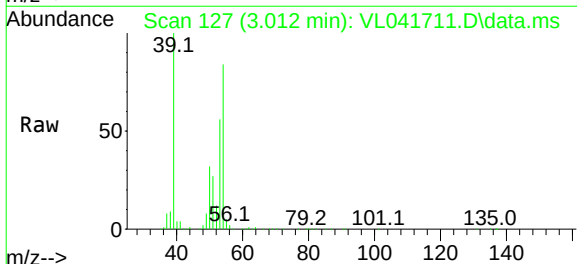
Manual Integrations
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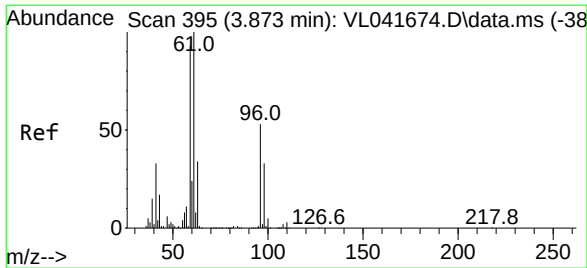
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#16
1,3-Butadiene
Concen: 10.153 ppbv
RT: 3.012 min Scan# 127
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

Tgt Ion: 39 Resp: 739980
Ion Ratio Lower Upper
39 100
54 76.9 61.3 91.9





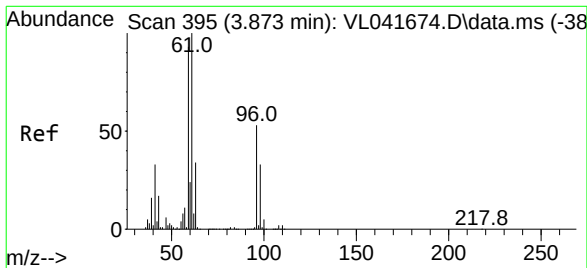
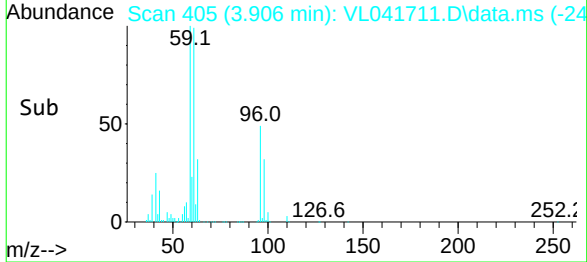
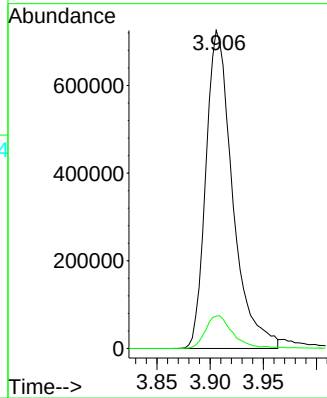
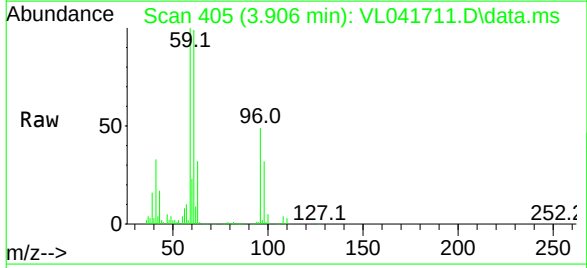
#17
tert-Butyl alcohol
Concen: 10.003 ppbv
RT: 3.906 min Scan# 405
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 59 Resp: 1267996
Ion Ratio Lower Upper
59 100
57 10.8 8.5 12.7

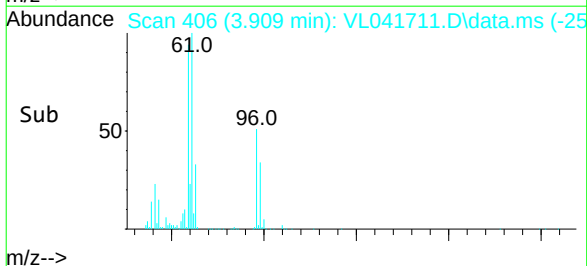
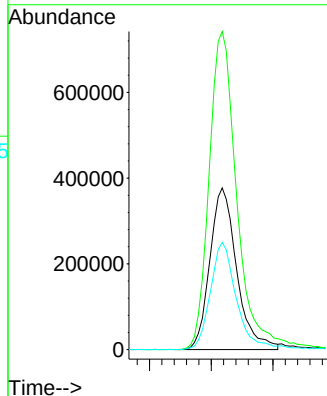
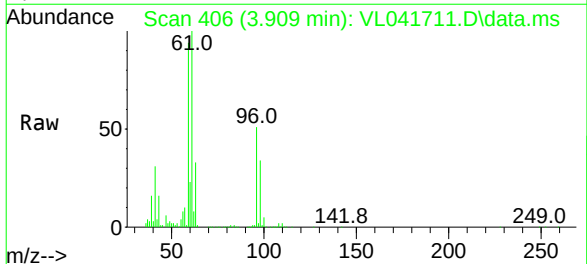
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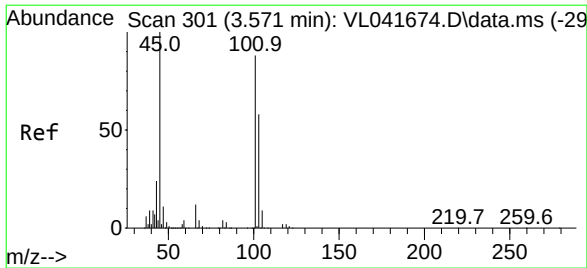
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#18
1,1-Dichloroethene
Concen: 9.697 ppbv
RT: 3.909 min Scan# 406
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

Tgt Ion: 96 Resp: 571205
Ion Ratio Lower Upper
96 100
61 196.7 150.7 226.1
98 66.3 49.4 74.2





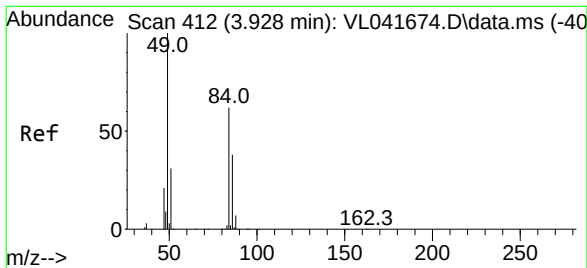
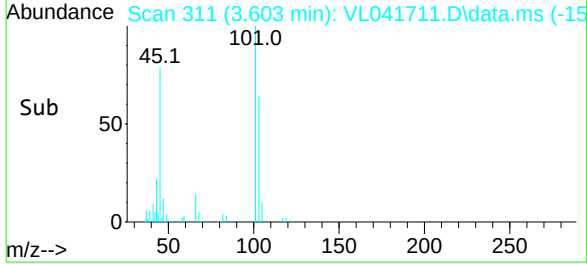
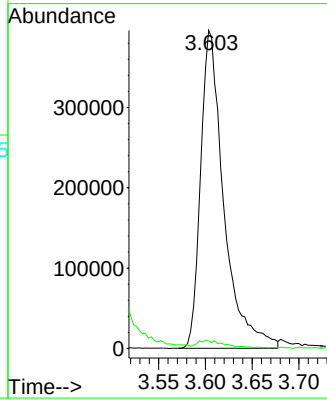
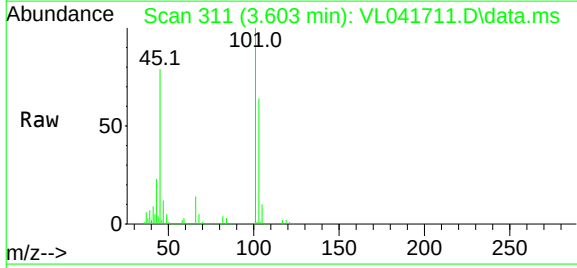
#19
Isopropyl Alcohol
Concen: 9.882 ppbv
RT: 3.603 min Scan# 311
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 682305
Ion Ratio Lower Upper
45 100
58 2.7 2.5 3.7

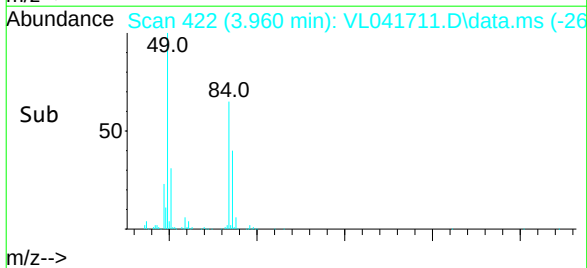
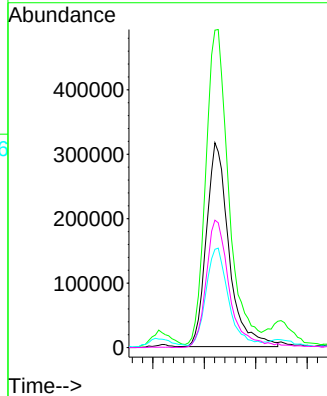
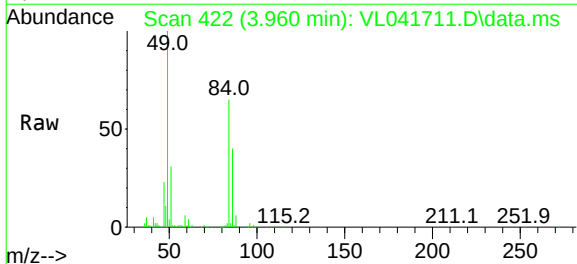
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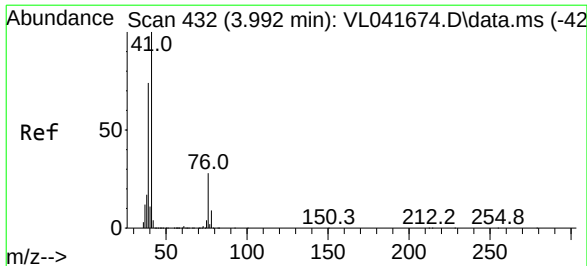
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#20
Methylene Chloride
Concen: 9.064 ppbv
RT: 3.960 min Scan# 422
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

Tgt Ion: 84 Resp: 481797
Ion Ratio Lower Upper
84 100
49 153.1 129.7 194.5
51 46.7 39.8 59.6
86 62.4 49.1 73.7





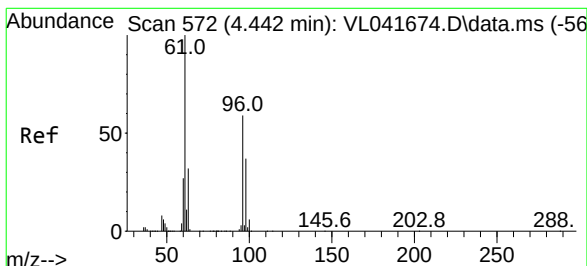
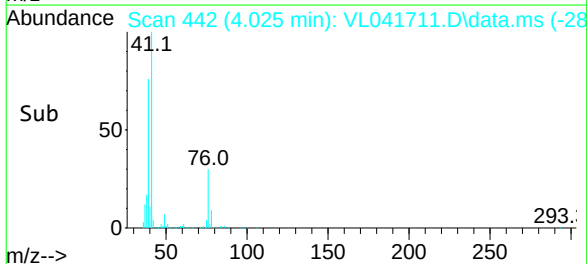
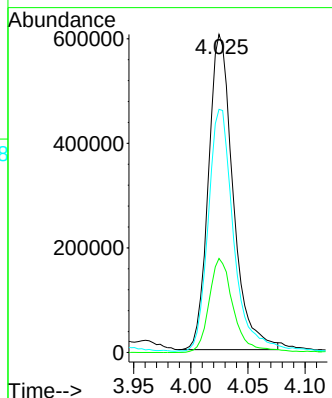
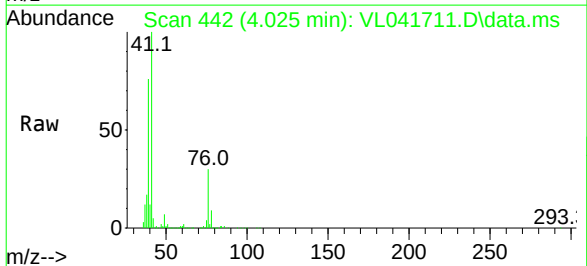
#21
 Allyl Chloride
 Concen: 10.138 ppbv
 RT: 4.025 min Scan# 44
 Delta R.T. 0.000 min
 Lab File: VL041711.D
 Acq: 21 Nov 2024 8:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 41 Resp: 904964
 Ion Ratio Lower Upper
 41 100
 76 29.8 23.5 35.3
 39 80.0 63.0 94.4

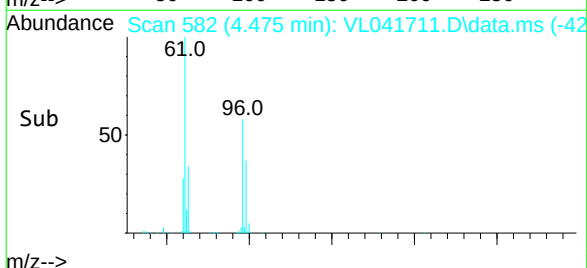
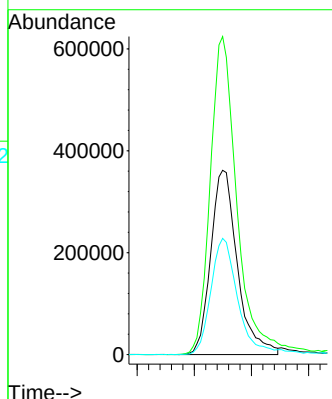
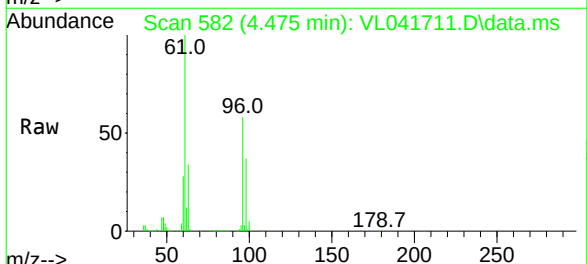
Manual Integrations
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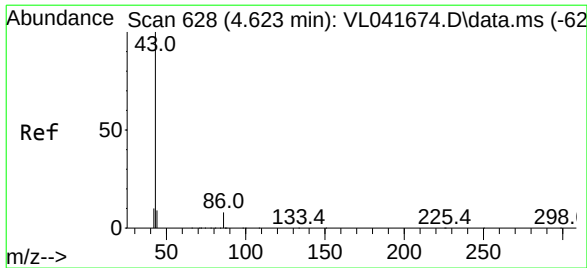
Reviewed By :Semsettin Yesilyurt 11/22/2024
 Supervised By :Mahesh Dadoda 11/22/2024



#22
 trans-1,2-Dichloroethene
 Concen: 10.025 ppbv
 RT: 4.475 min Scan# 582
 Delta R.T. 0.000 min
 Lab File: VL041711.D
 Acq: 21 Nov 2024 8:50

Tgt Ion: 96 Resp: 587155
 Ion Ratio Lower Upper
 96 100
 61 172.5 134.5 201.7
 98 63.1 49.6 74.4





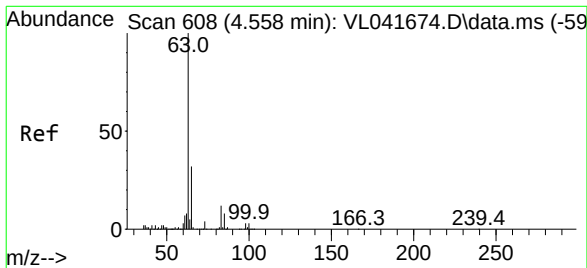
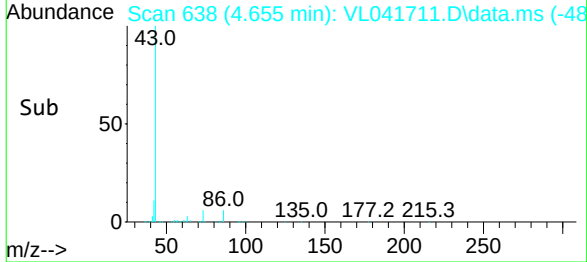
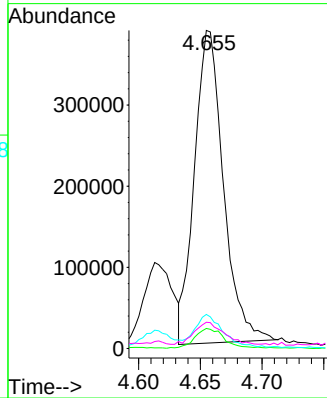
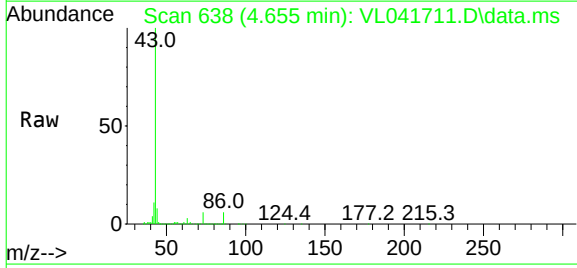
#23
Vinyl Acetate
Concen: 9.881 ppbv
RT: 4.655 min Scan# 63
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:	43	Resp:	629204
Ion	Ratio	Lower	Upper
43	100		
86	6.3	5.3	7.9
42	10.4	8.5	12.7
44	7.3	6.7	10.1

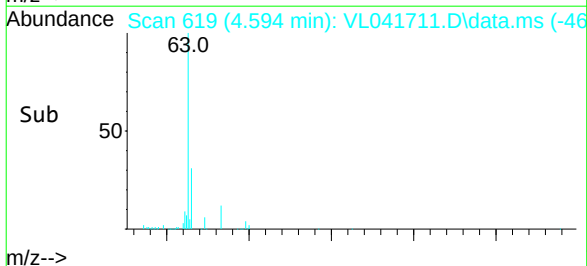
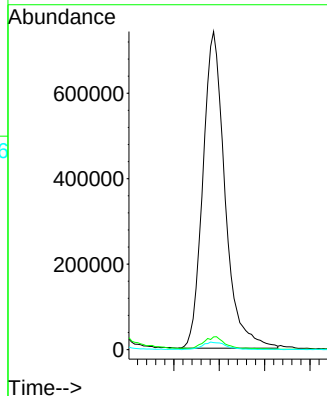
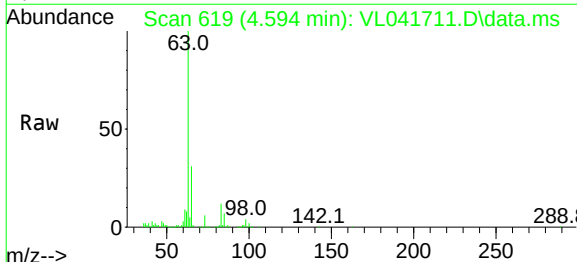
Manual Integrations
APPROVED

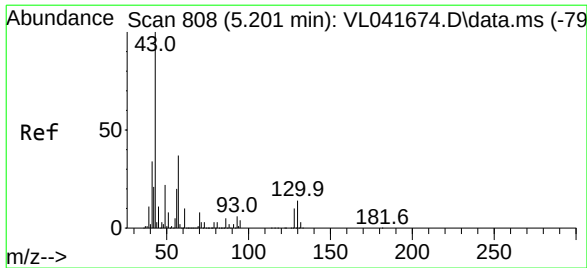
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#24
1,1-Dichloroethane
Concen: 9.585 ppbv
RT: 4.594 min Scan# 619
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

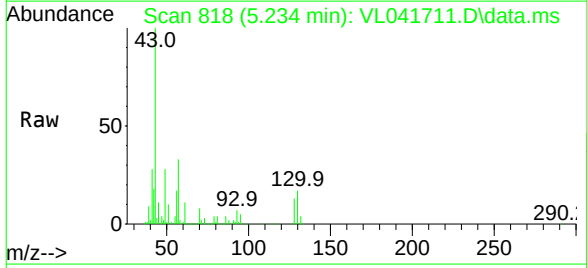
Tgt Ion:	63	Resp:	1253068
Ion	Ratio	Lower	Upper
63	100		
98	3.8	1.8	5.4
100	2.1	1.4	4.2





#25
Ethyl Acetate
Concen: 9.874 ppbv
RT: 5.234 min Scan# 811
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

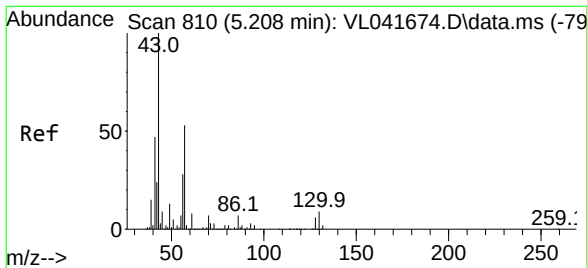
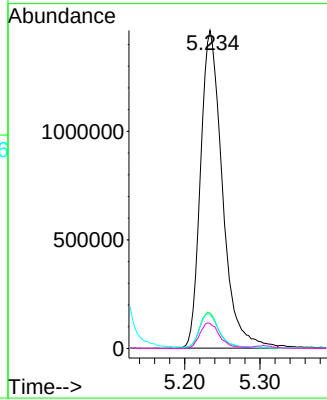
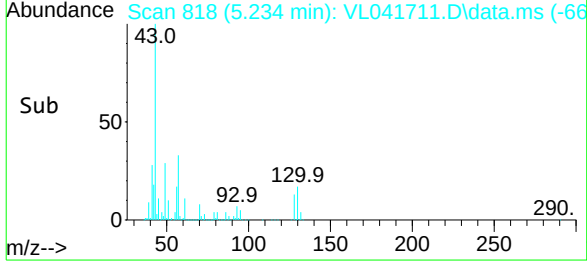


Tgt Ion: 43 Resp: 2952376

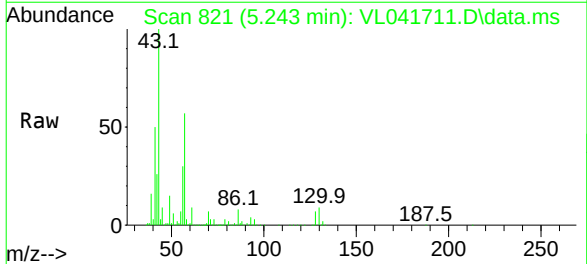
Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.6	13.0
61	10.5	8.4	12.6
70	7.4	5.8	8.6

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Supervised By :Mahesh Dadoda 11/22/2024

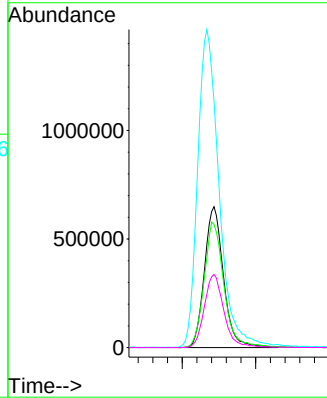
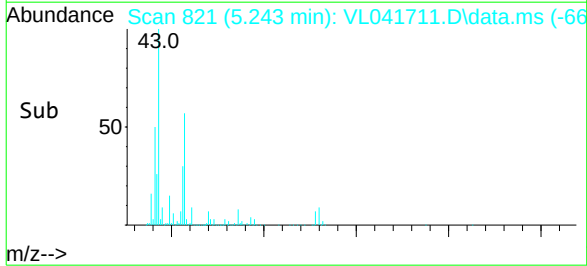


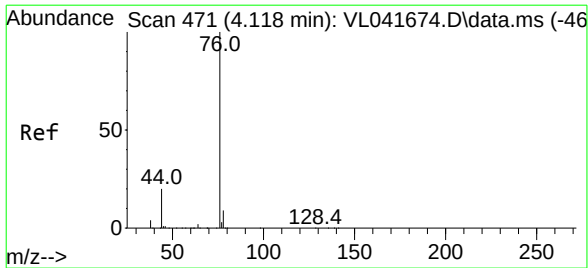
#26
Hexane
Concen: 10.181 ppbv
RT: 5.243 min Scan# 821
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50



Tgt Ion: 57 Resp: 1169502

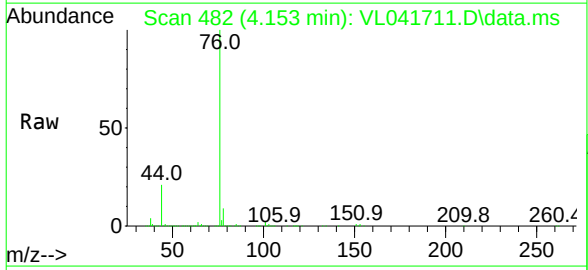
Ion	Ratio	Lower	Upper
57	100		
41	93.0	76.1	114.1
43	255.2	207.0	310.6
56	53.6	43.7	65.5





#27
Carbon Disulfide
Concen: 10.871 ppbv
RT: 4.153 min Scan# 481
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

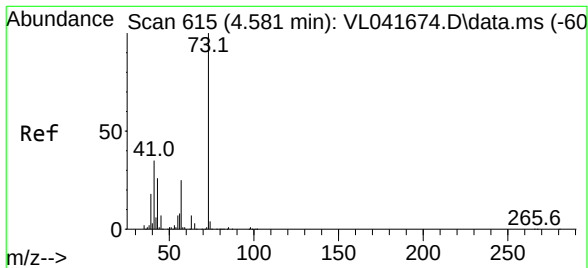
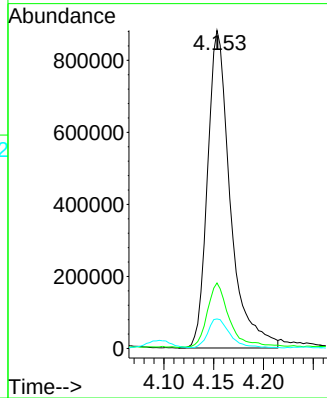
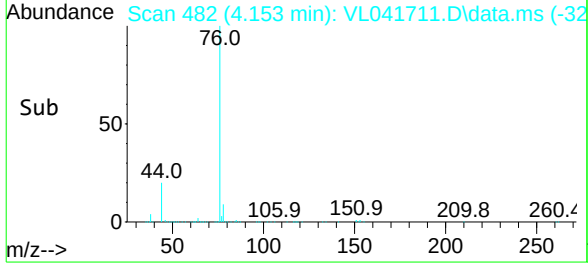
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 76 Resp: 1403031
Ion Ratio Lower Upper
76 100
44 20.6 15.8 23.8
78 9.6 7.5 11.3

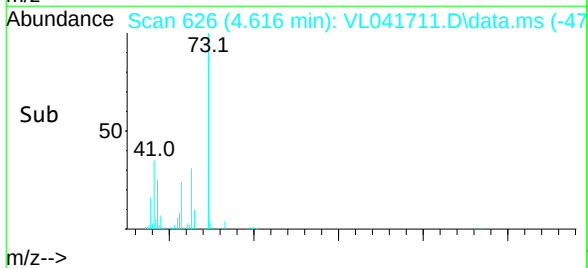
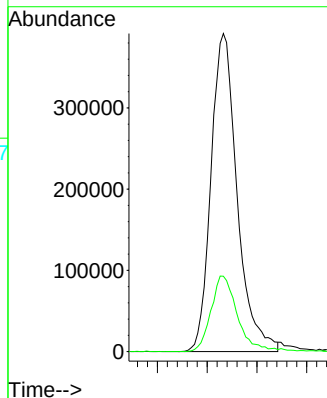
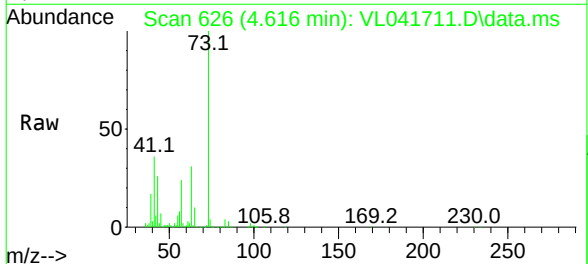
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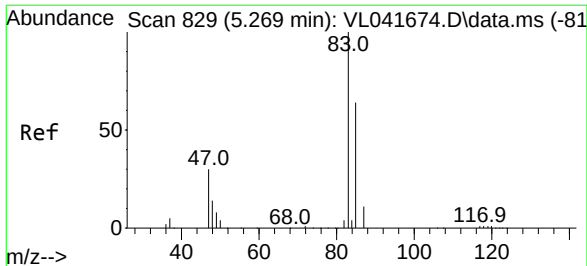
Reviewed By :Semsettin Yesilyurt 11/22/2024
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#28
Methyl tert-Butyl Ether
Concen: 9.668 ppbv
RT: 4.616 min Scan# 626
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

Tgt Ion: 73 Resp: 715210
Ion Ratio Lower Upper
73 100
57 24.4 19.6 29.4





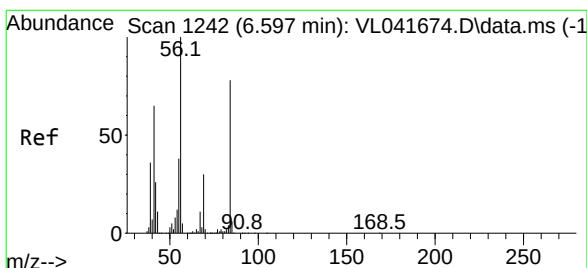
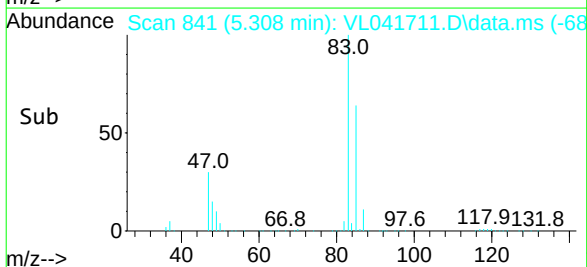
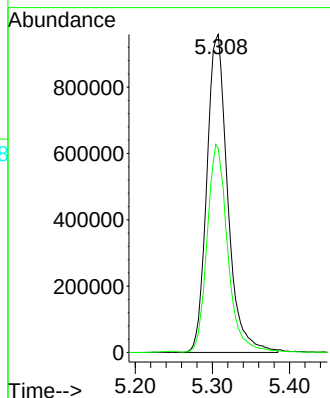
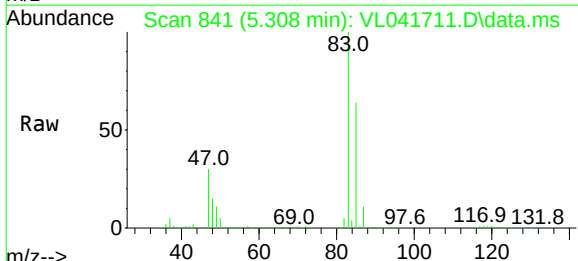
#29
Chloroform
Concen: 9.492 ppbv
RT: 5.308 min Scan# 841
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 1799780
Ion Ratio Lower Upper
83 100
85 63.9 51.1 76.7

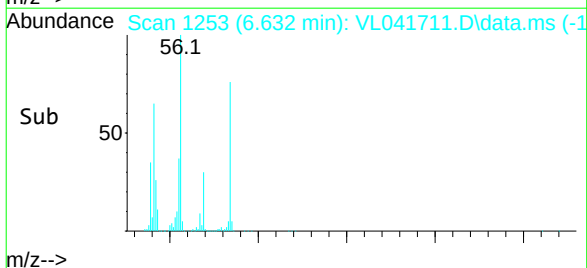
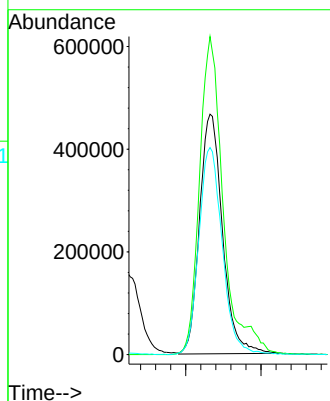
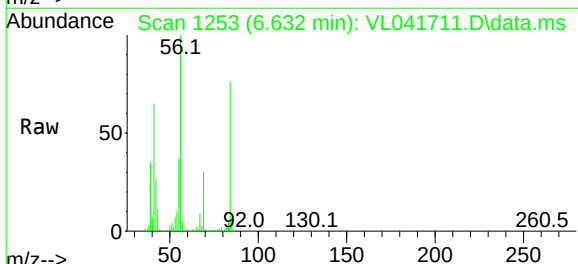
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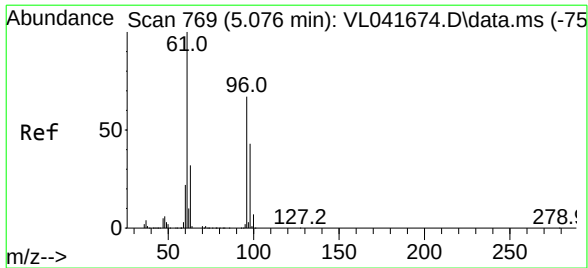
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#30
Cyclohexane
Concen: 10.122 ppbv
RT: 6.632 min Scan# 1253
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

Tgt Ion: 84 Resp: 990103
Ion Ratio Lower Upper
84 100
56 137.5 110.8 166.2
41 88.2 70.0 105.0

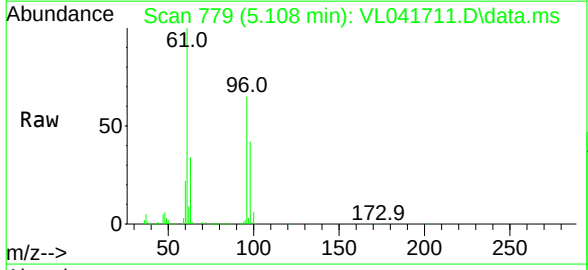




#31
 cis-1,2-Dichloroethene
 Concen: 10.202 ppbv
 RT: 5.108 min Scan# 771
 Delta R.T. 0.000 min
 Lab File: VL041711.D
 Acq: 21 Nov 2024 8:50

Instrument :

MSVOA_L
 ClientSampleId :
 VSTDCCC010

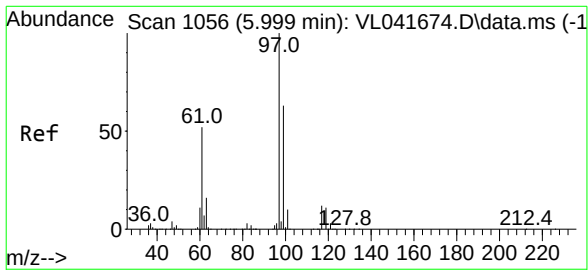
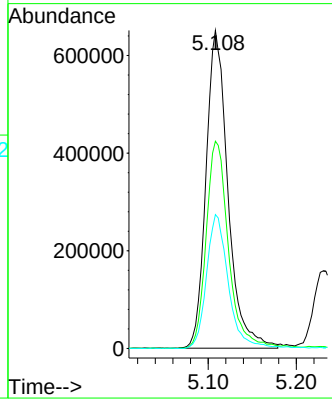
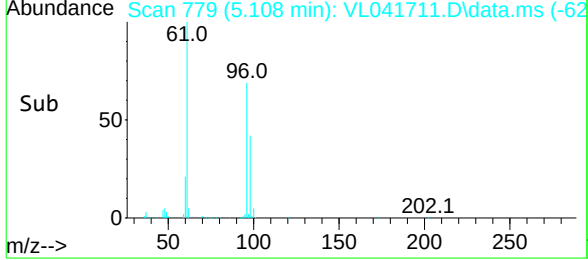


Tgt Ion: 61 Resp: 1127435

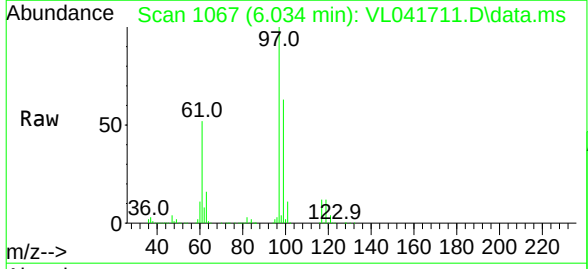
Ion	Ratio	Lower	Upper
61	100		
96	65.2	53.4	80.2
98	42.2	34.0	51.0

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 Supervised By :Mahesh Dadoda 11/22/2024

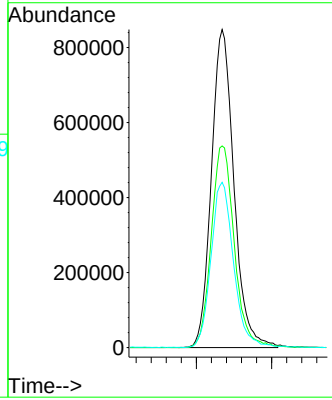
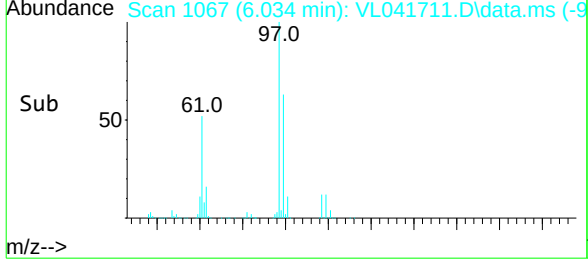


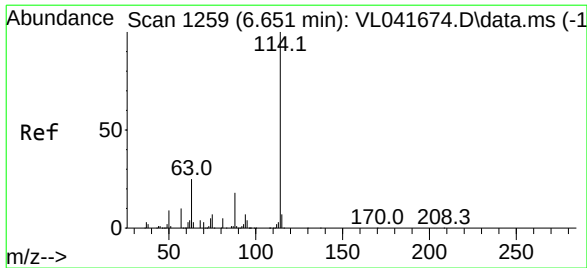
#32
 1,1,1-Trichloroethane
 Concen: 10.184 ppbv
 RT: 6.034 min Scan# 1067
 Delta R.T. 0.000 min
 Lab File: VL041711.D
 Acq: 21 Nov 2024 8:50



Tgt Ion: 97 Resp: 1761688

Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.4	77.2
61	52.5	41.7	62.5





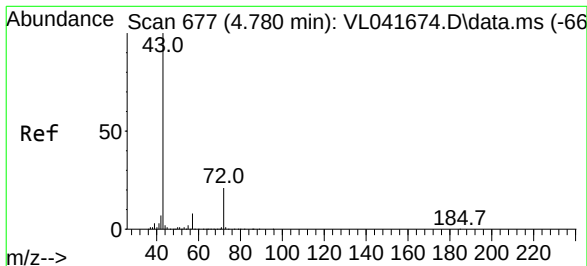
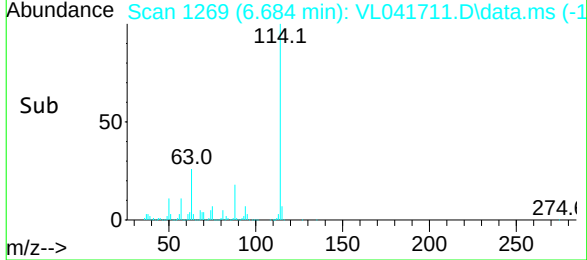
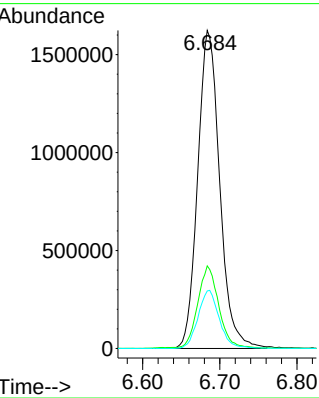
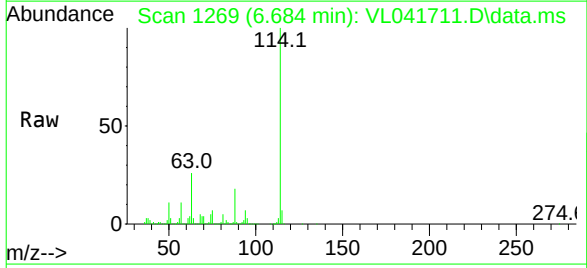
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.684 min Scan# 1259
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 114 Resp: 3217567
Ion Ratio Lower Upper
114 100
63 25.0 20.3 30.5
88 17.8 14.2 21.4

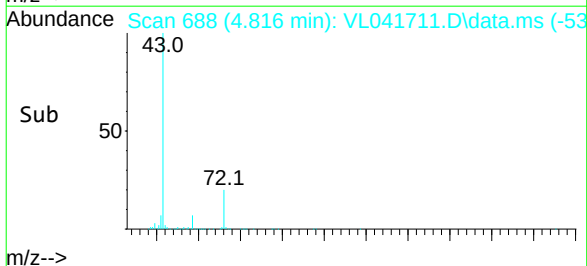
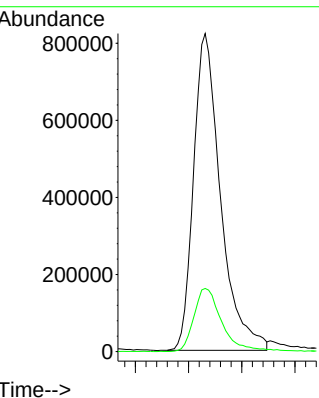
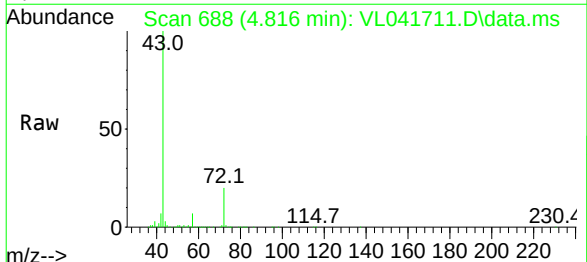
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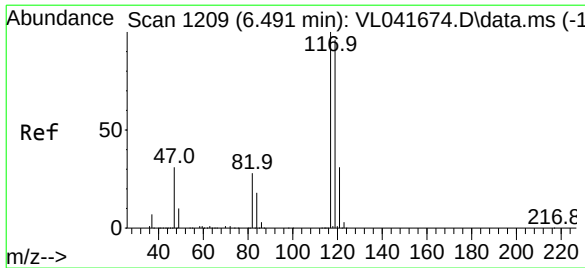
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#34
2-Butanone
Concen: 9.046 ppbv
RT: 4.816 min Scan# 688
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

Tgt Ion: 43 Resp: 1449252
Ion Ratio Lower Upper
43 100
72 21.1 17.4 26.0





#35

Carbon Tetrachloride

Concen: 10.764 ppbv

RT: 6.526 min Scan# 1209

Delta R.T. 0.000 min

Lab File: VL041711.D

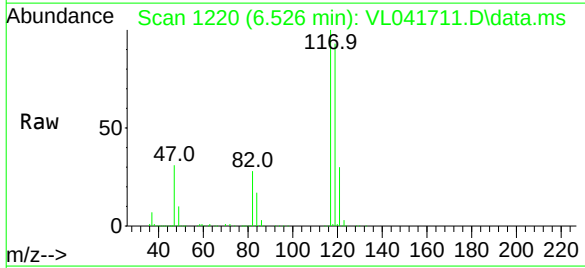
Acq: 21 Nov 2024 8:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010



Tgt Ion: 117 Resp: 1827244

Ion Ratio Lower Upper

117 100

119 92.8 77.2 115.8

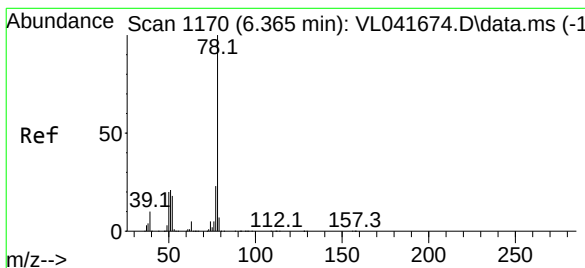
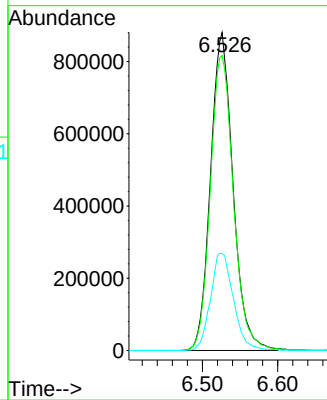
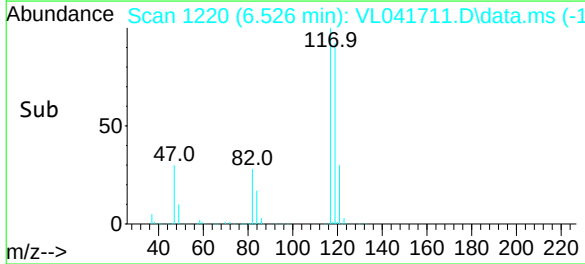
121 30.5 25.0 37.4

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Reviewed By :Semsettin Yesilyurt 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#36

Benzene

Concen: 10.333 ppbv

RT: 6.401 min Scan# 1181

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

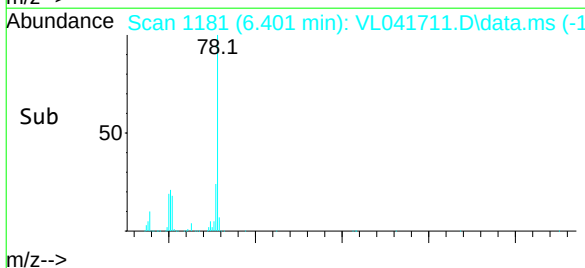
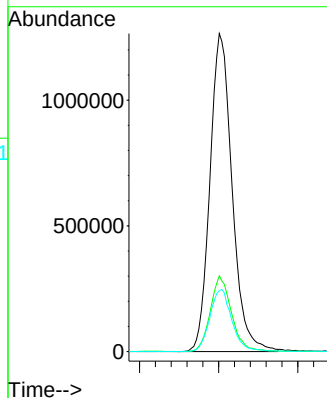
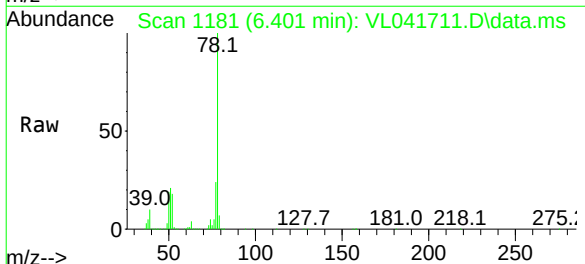
Tgt Ion: 78 Resp: 2463354

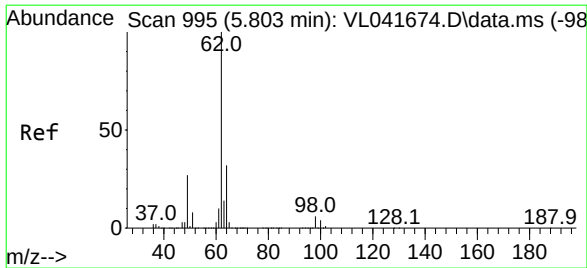
Ion Ratio Lower Upper

78 100

77 23.8 18.5 27.7

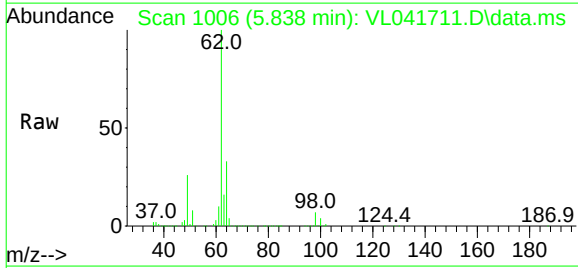
50 19.2 15.6 23.4





#37
1,2-Dichloroethane
Concen: 10.120 ppbv
RT: 5.838 min Scan# 10
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

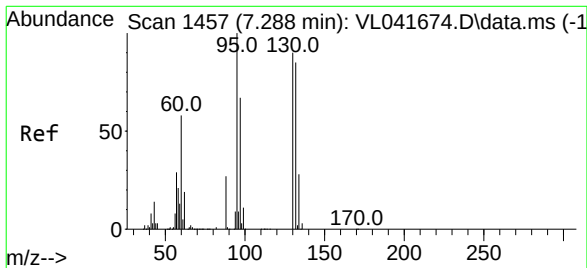
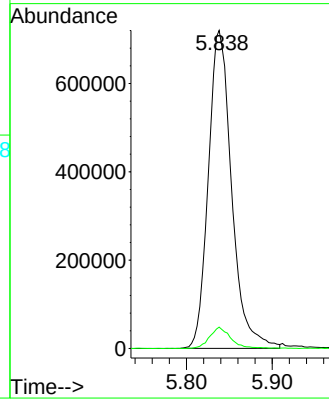
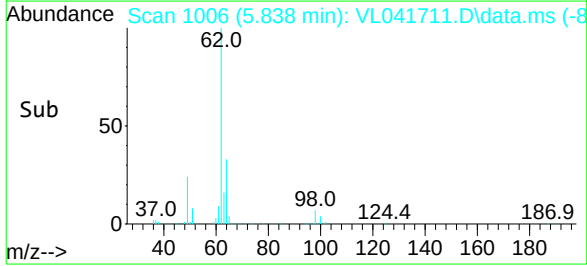
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 62 Resp: 1361156
Ion Ratio Lower Upper
62 100
98 6.3 5.2 7.8

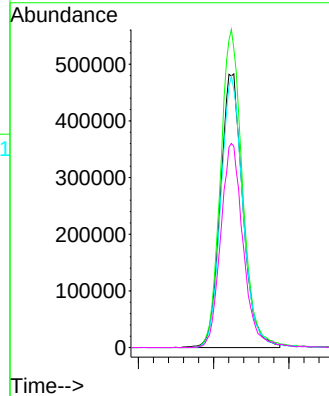
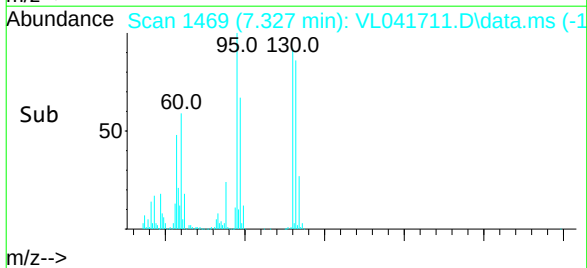
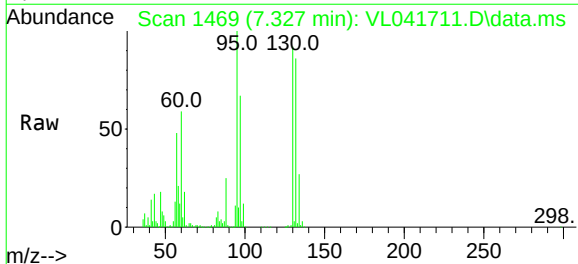
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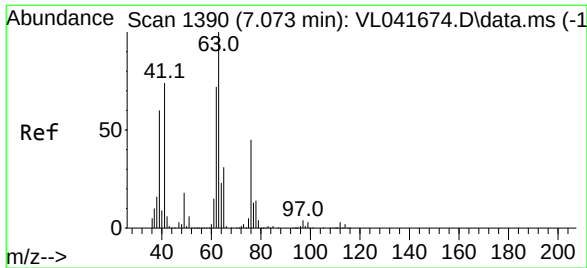
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#38
Trichloroethene
Concen: 10.934 ppbv
RT: 7.327 min Scan# 1469
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

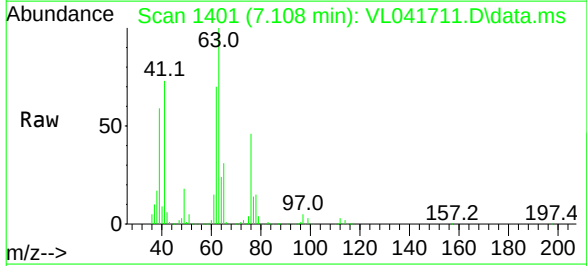
Tgt Ion:130 Resp: 1001170
Ion Ratio Lower Upper
130 100
95 109.2 89.1 133.7
132 94.2 75.7 113.5
97 73.5 60.0 90.0





#39
1,2-Dichloropropane
Concen: 10.045 ppbv
RT: 7.108 min Scan# 1401
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

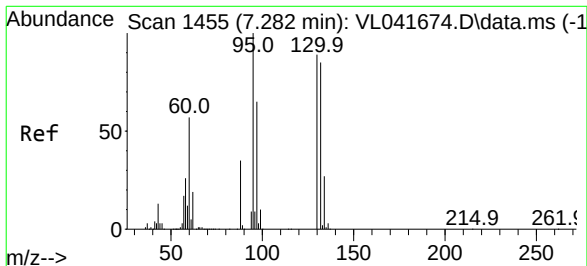
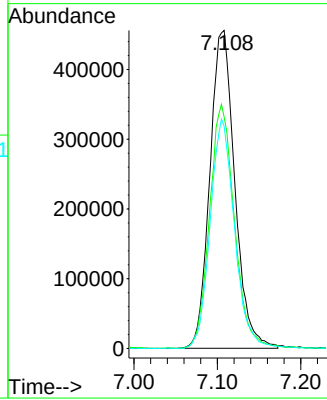
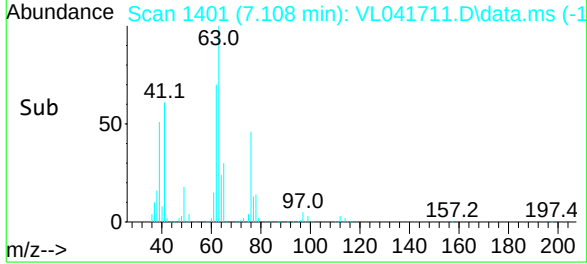
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



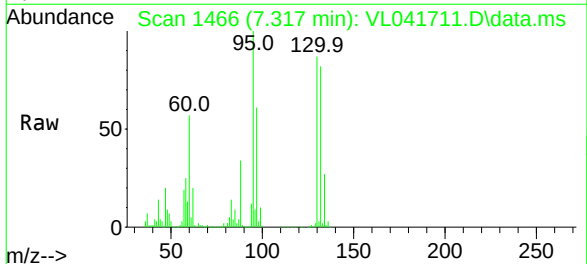
Tgt Ion: 63 Resp: 946394
Ion Ratio Lower Upper
63 100
41 72.8 59.1 88.7
62 69.9 57.7 86.5

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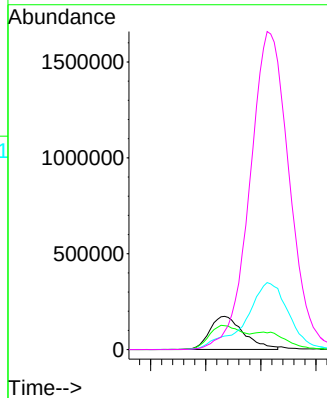
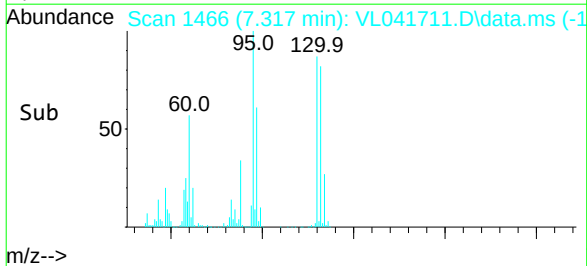
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

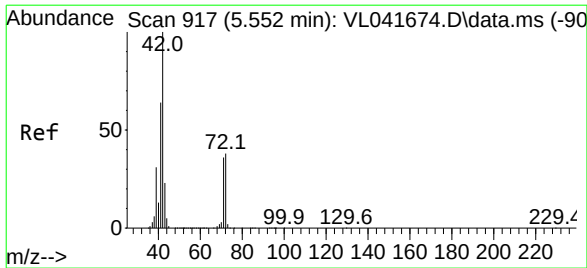


#40
1,4-Dioxane
Concen: 10.936 ppbv
RT: 7.317 min Scan# 1466
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50



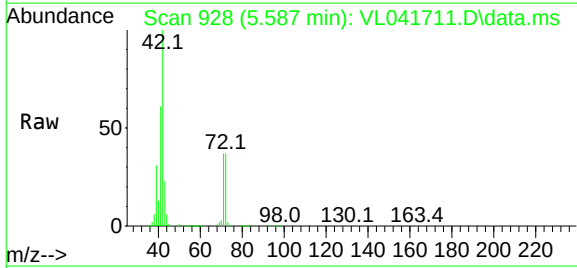
Tgt Ion: 88 Resp: 369652
Ion Ratio Lower Upper
88 100
58 125.9 101.4 152.2
43 0.0 208.0 312.0#
57 0.0 902.9 1354.3#





#41
Tetrahydrofuran
Concen: 11.055 ppbv
RT: 5.587 min Scan# 92
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

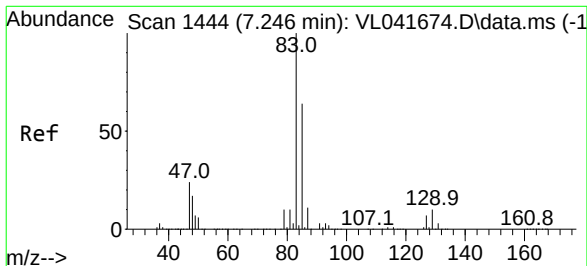
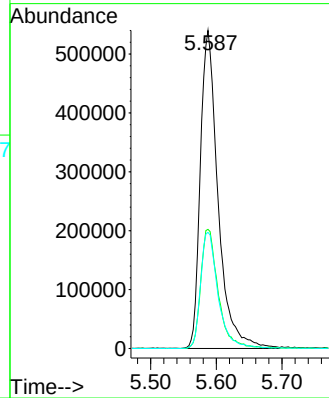
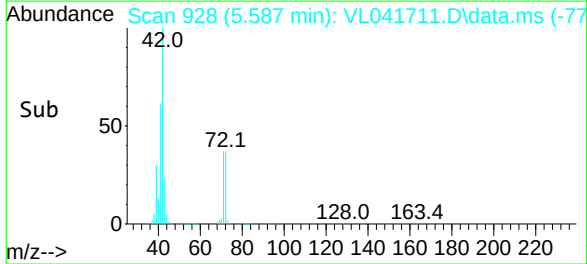
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 42 Resp: 1011478
Ion Ratio Lower Upper
42 100
72 37.2 29.8 44.6
71 36.4 29.4 44.2

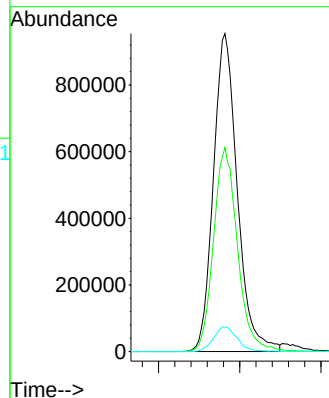
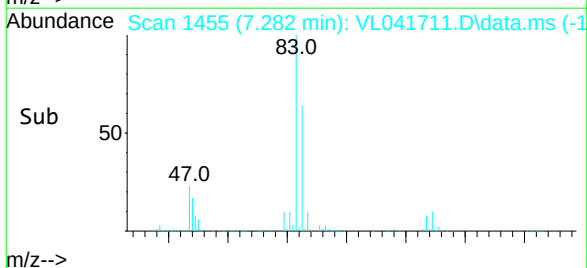
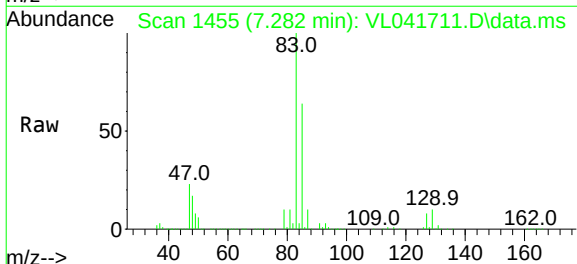
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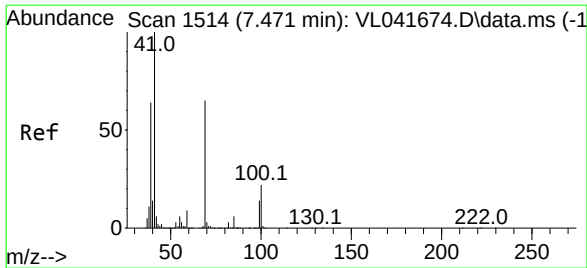
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#42
Bromodichloromethane
Concen: 10.438 ppbv
RT: 7.282 min Scan# 1455
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

Tgt Ion: 83 Resp: 1950791
Ion Ratio Lower Upper
83 100
85 64.2 51.2 76.8
127 7.7 6.0 9.0





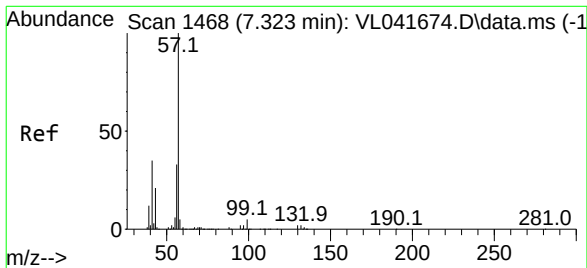
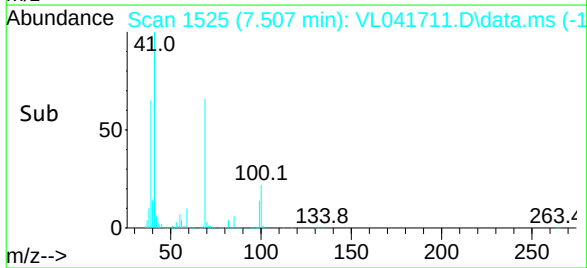
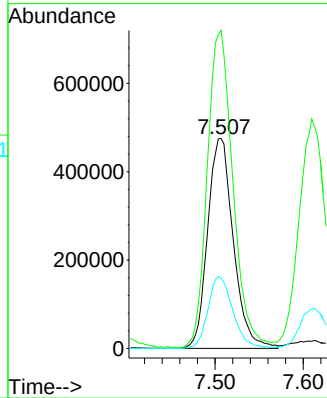
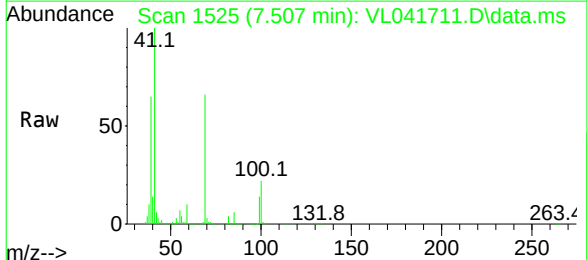
#43
Methyl Methacrylate
Concen: 11.476 ppbv
RT: 7.507 min Scan# 1514
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 69 Resp: 960580
Ion Ratio Lower Upper
69 100
41 150.9 119.8 179.6
100 33.3 27.3 40.9

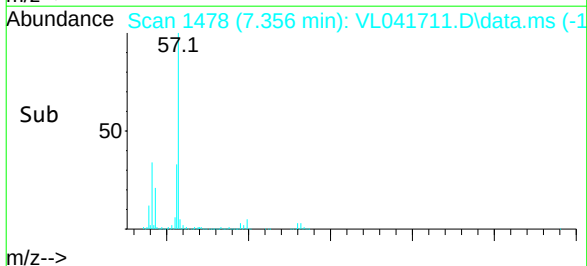
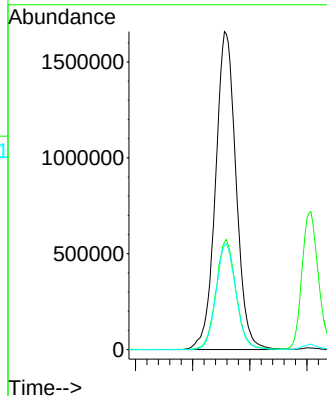
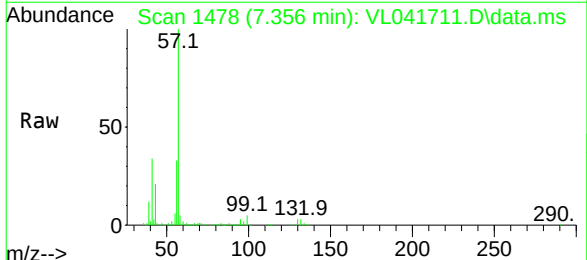
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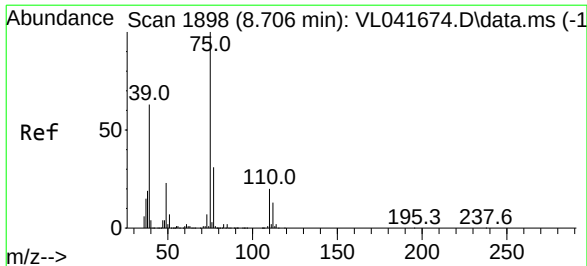
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#44
2,2,4-Trimethylpentane
Concen: 10.251 ppbv
RT: 7.356 min Scan# 1478
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

Tgt Ion: 57 Resp: 4139526
Ion Ratio Lower Upper
57 100
41 33.7 27.0 40.6
56 32.2 25.8 38.6





#45

t-1,3-Dichloropropene

Concen: 12.329 ppbv

RT: 8.741 min Scan# 19

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 75 Resp: 943007

Ion Ratio Lower Upper

75 100

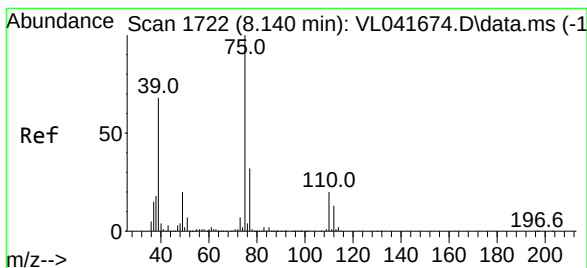
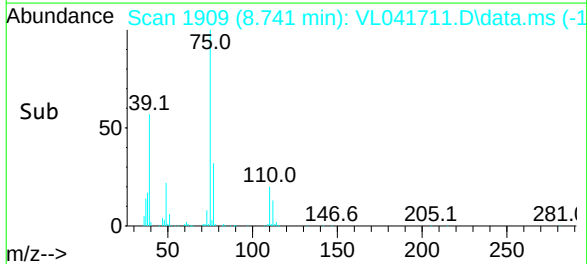
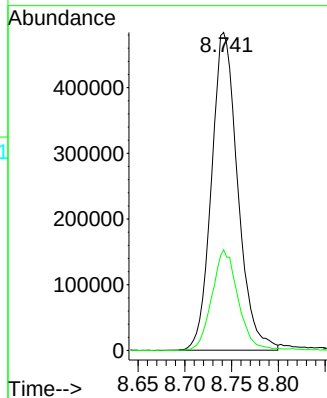
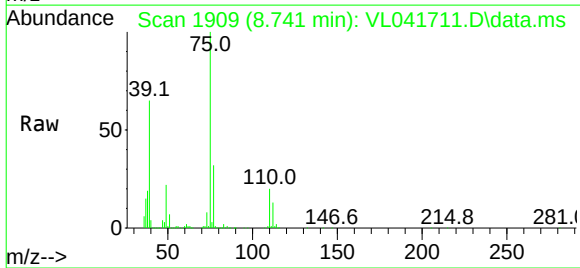
77 31.7 24.7 37.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#46

cis-1,3-Dichloropropene

Concen: 11.647 ppbv

RT: 8.172 min Scan# 1732

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

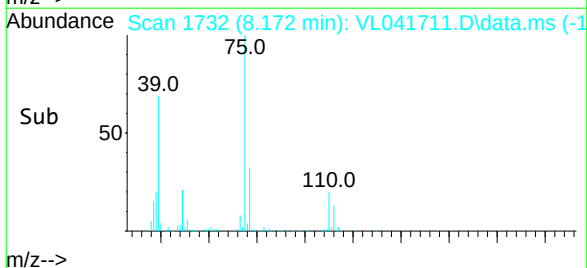
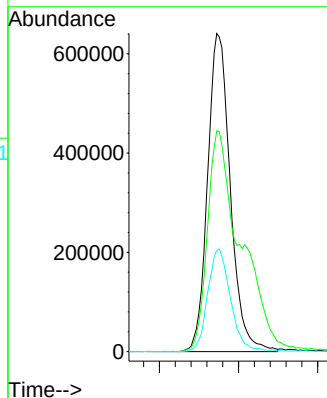
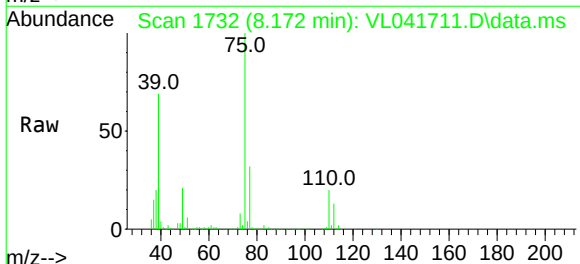
Tgt Ion: 75 Resp: 1279587

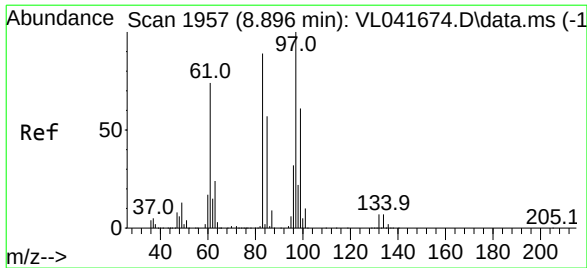
Ion Ratio Lower Upper

75 100

39 69.4 54.1 81.1

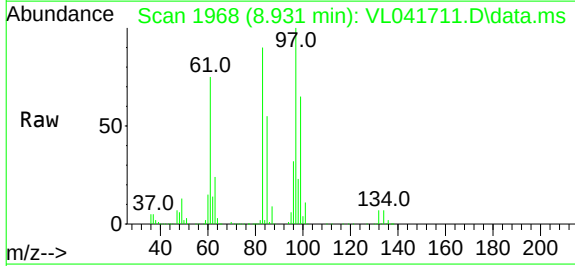
77 31.8 25.3 37.9





#47
1,1,2-Trichloroethane
Concen: 9.898 ppbv
RT: 8.931 min Scan# 1957
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

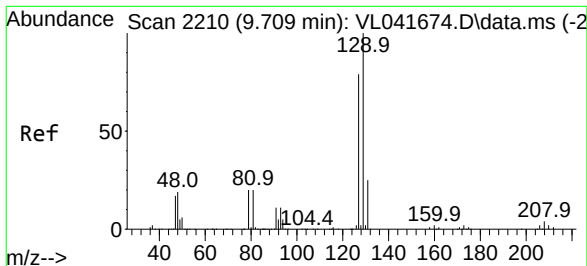
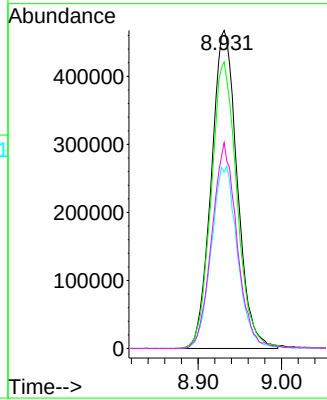
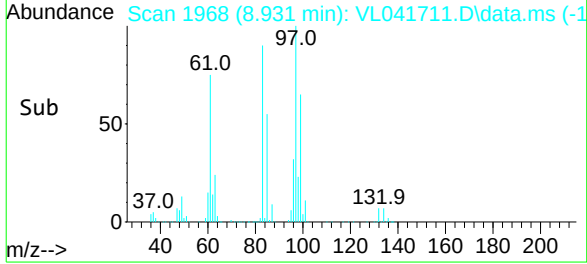
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 97 Resp: 1009245
Ion Ratio Lower Upper
97 100
83 90.0 71.0 106.6
85 55.5 45.4 68.2
99 64.6 49.0 73.6

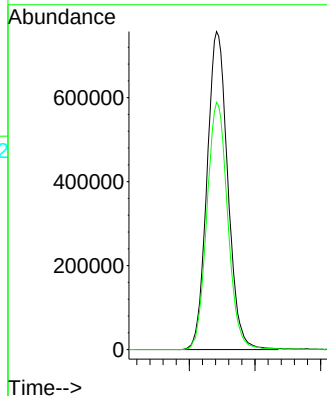
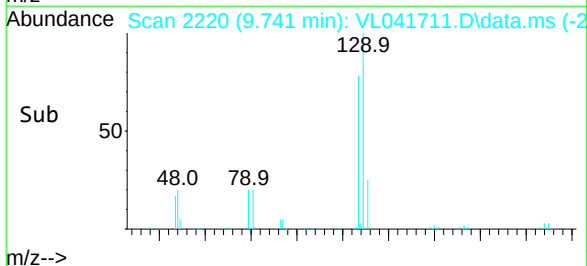
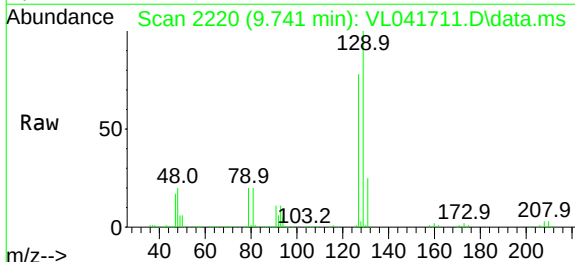
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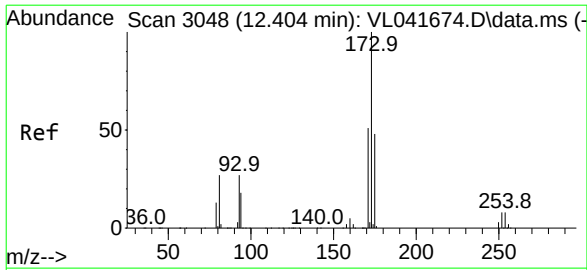
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#48
Dibromochloromethane
Concen: 10.722 ppbv
RT: 9.741 min Scan# 2220
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

Tgt Ion:129 Resp: 1661895
Ion Ratio Lower Upper
129 100
127 78.3 39.1 117.2





#49

Bromoform

Concen: 11.079 ppbv

RT: 12.439 min Scan# 3048

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 173 Resp: 1469304

Ion Ratio Lower Upper

173 100

175 49.5 39.2 58.8

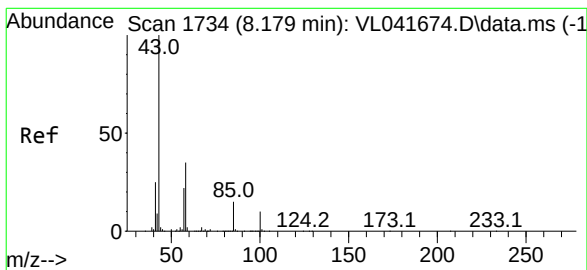
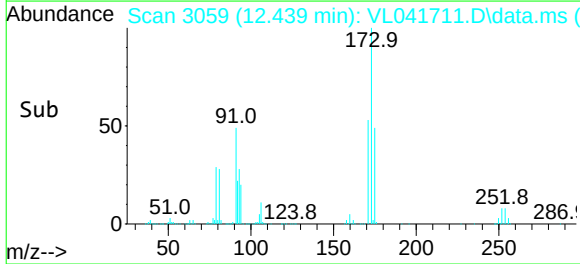
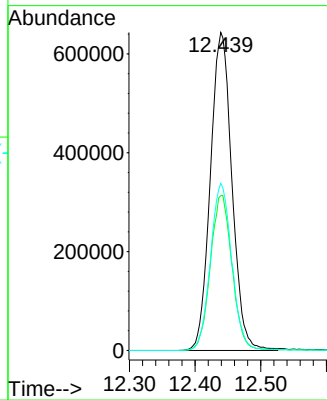
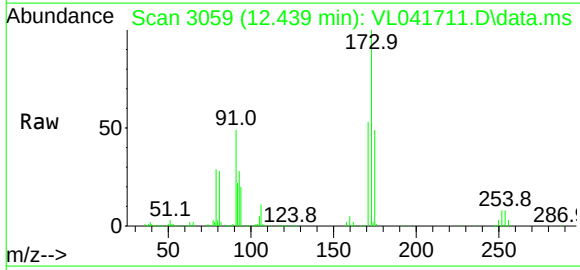
171 52.2 41.7 62.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#50

4-Methyl-2-Pentanone

Concen: 10.787 ppbv

RT: 8.211 min Scan# 1744

Delta R.T. 0.000 min

Lab File: VL041711.D

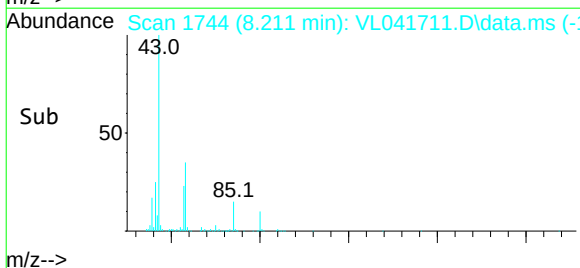
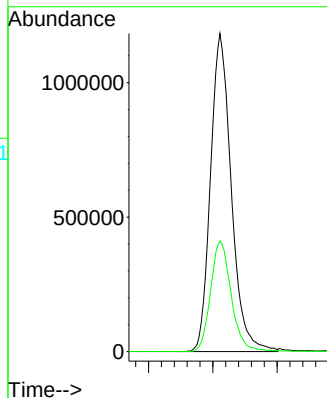
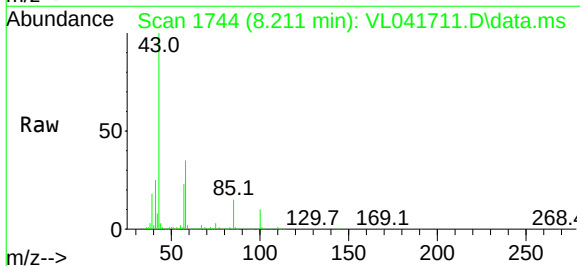
Acq: 21 Nov 2024 8:50

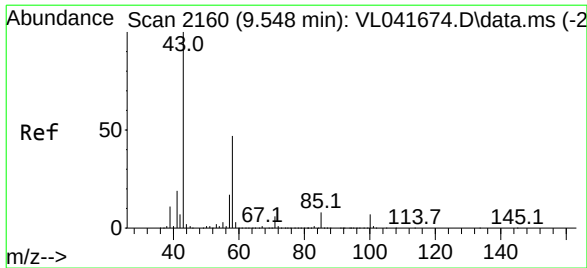
Tgt Ion: 43 Resp: 2653020

Ion Ratio Lower Upper

43 100

58 34.8 27.7 41.5





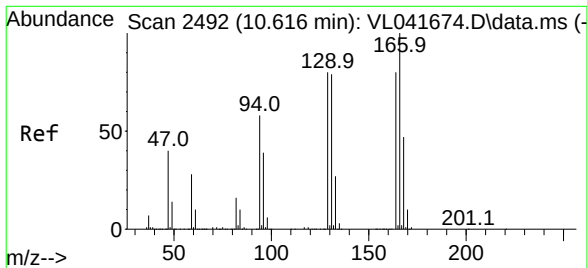
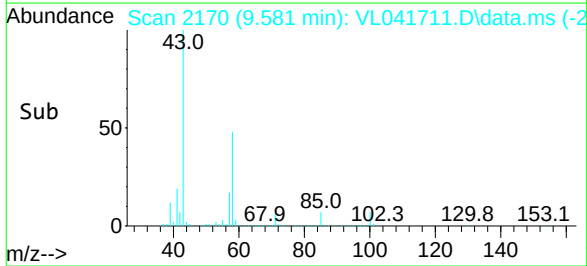
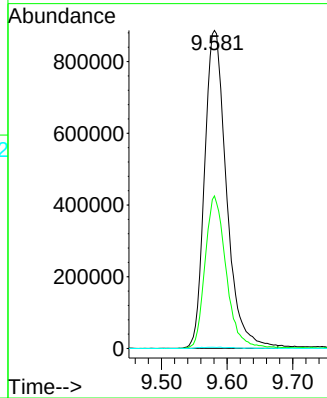
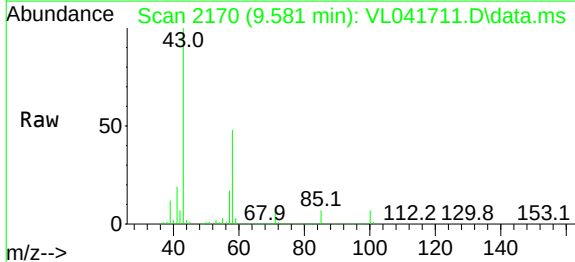
#51
2-Hexanone
Concen: 11.460 ppbv
RT: 9.581 min Scan# 2160
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 2052626
Ion Ratio Lower Upper
43 100
58 46.8 37.0 55.6
98 0.6 0.6 0.8

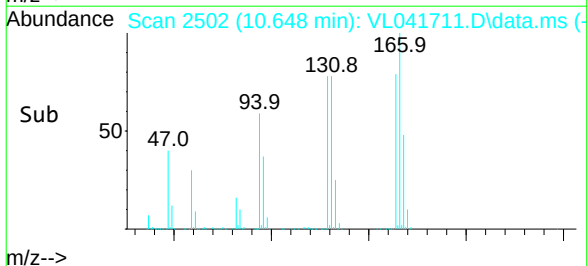
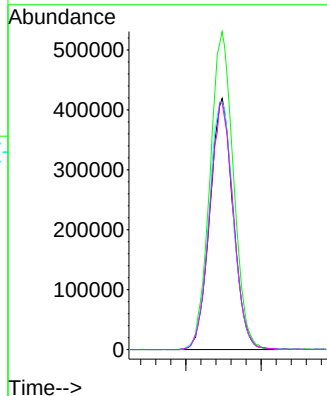
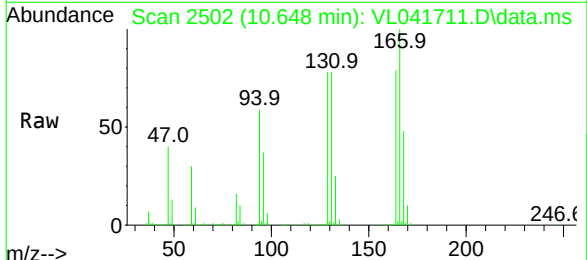
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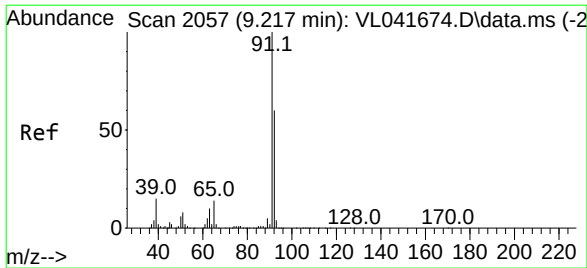
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#52
Tetrachloroethene
Concen: 11.127 ppbv
RT: 10.648 min Scan# 2502
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

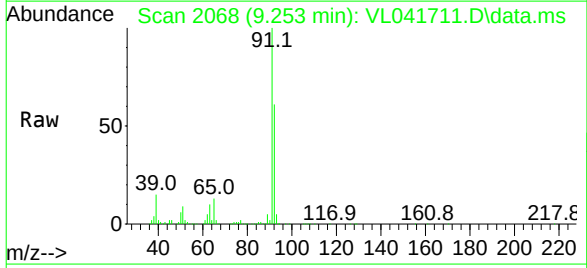
Tgt Ion:164 Resp: 903960
Ion Ratio Lower Upper
164 100
166 126.5 100.2 150.4
129 98.3 79.7 119.5
131 98.3 79.0 118.4





#53
Toluene
Concen: 11.317 ppbv
RT: 9.253 min Scan# 2057
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

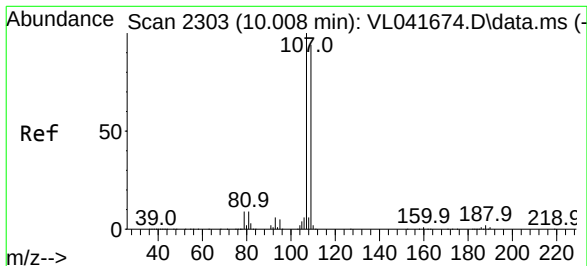
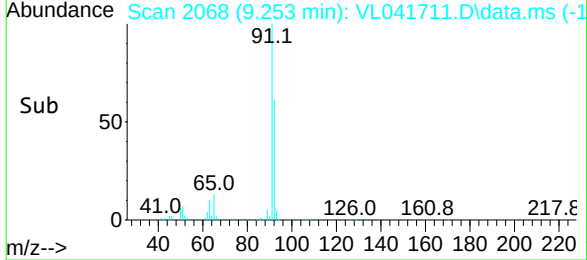
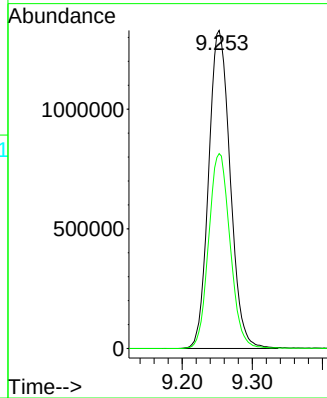
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 91 Resp: 2837342
Ion Ratio Lower Upper
91 100
92 61.0 49.0 73.4

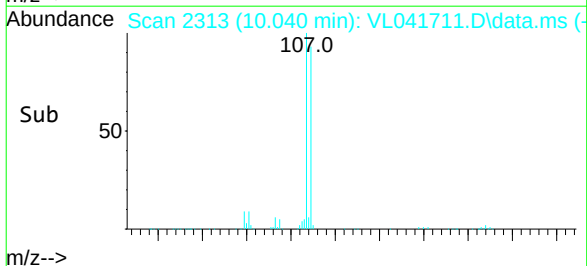
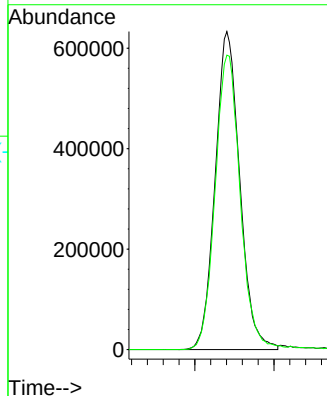
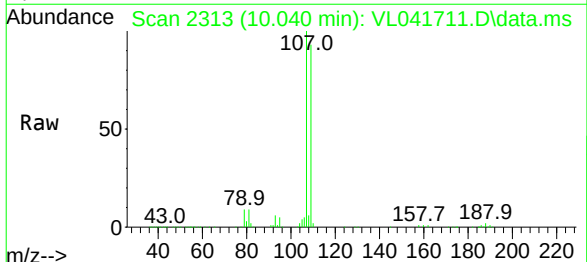
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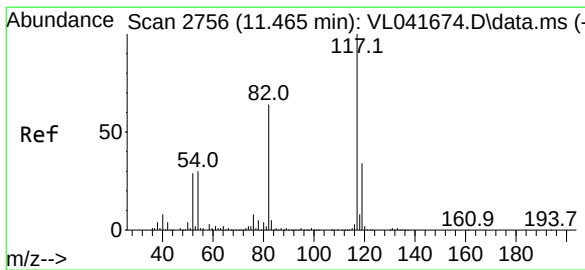
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#54
1,2-Dibromoethane
Concen: 11.480 ppbv
RT: 10.040 min Scan# 2313
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

Tgt Ion:107 Resp: 1367674
Ion Ratio Lower Upper
107 100
109 92.6 74.9 112.3





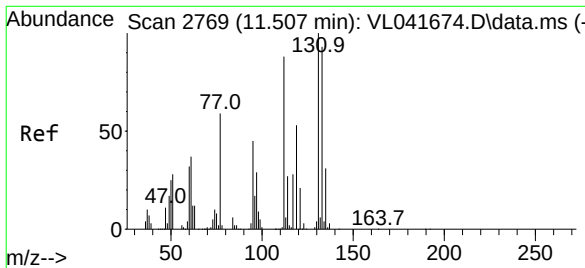
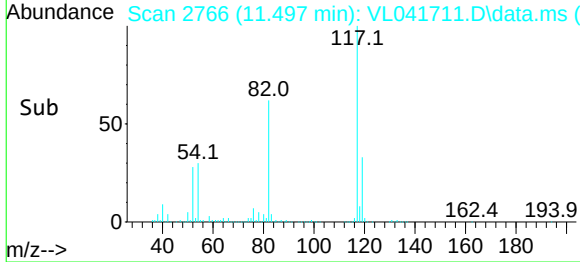
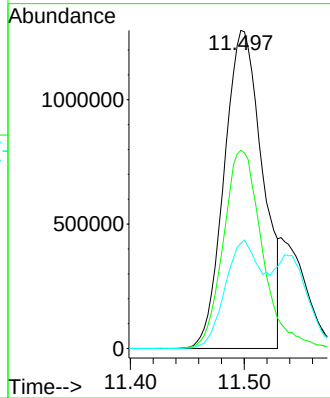
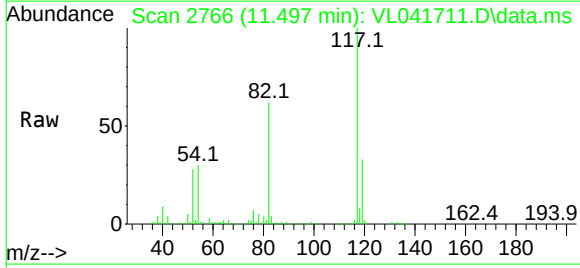
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 11.497 min Scan# 2756
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 2996508
Ion Ratio Lower Upper
117 100
82 64.1 49.8 74.8
119 29.6 24.2 36.4

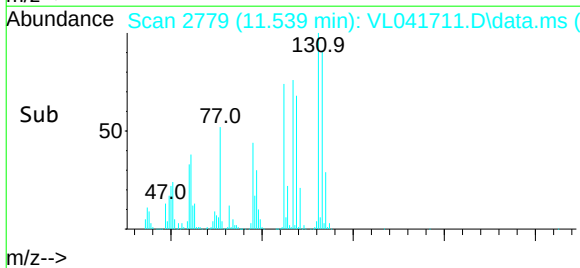
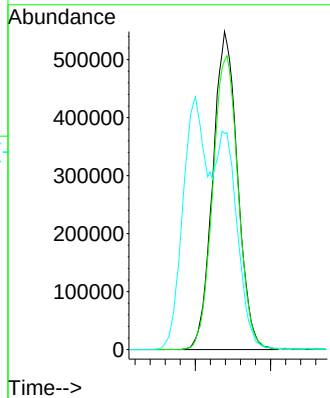
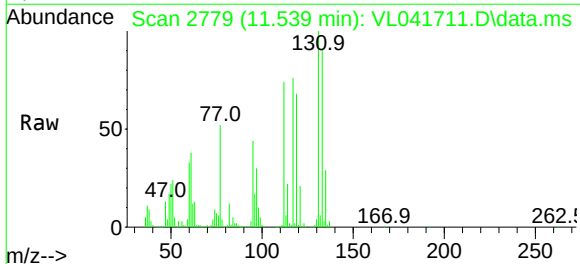
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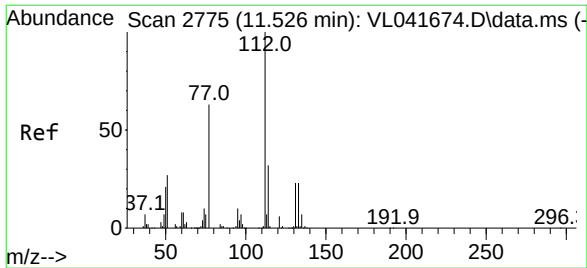
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#56
1,1,1,2-Tetrachloroethane
Concen: 10.140 ppbv
RT: 11.539 min Scan# 2779
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

Tgt Ion:131 Resp: 1253171
Ion Ratio Lower Upper
131 100
133 94.8 76.5 114.7
119 64.6 49.8 74.8





#57

Chlorobenzene

Concen: 9.937 ppbv

RT: 11.558 min Scan# 27

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:112 Resp: 2202336

Ion Ratio Lower Upper

112 100

77 65.7 51.4 77.2

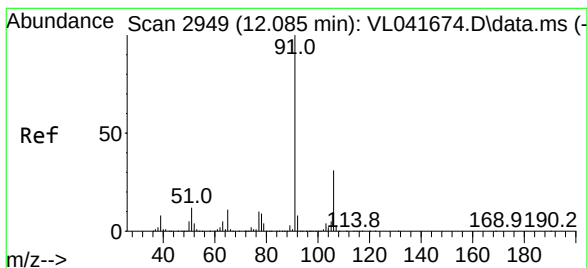
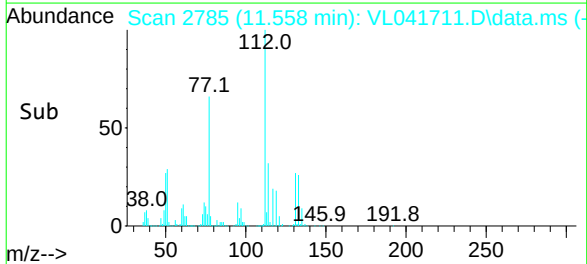
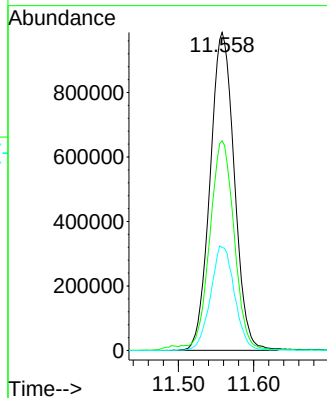
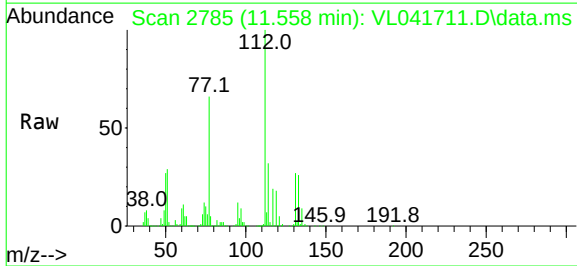
114 32.3 28.4 34.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#58

Ethyl Benzene

Concen: 11.592 ppbv

RT: 12.121 min Scan# 2960

Delta R.T. 0.000 min

Lab File: VL041711.D

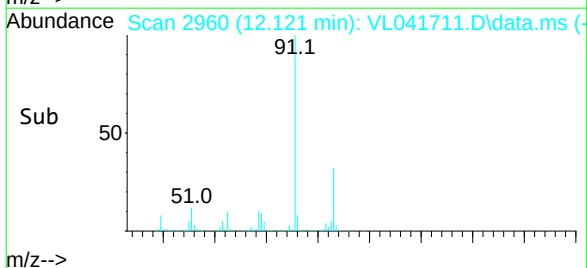
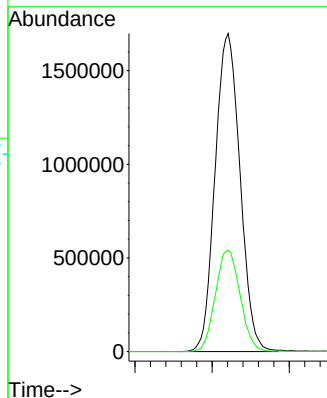
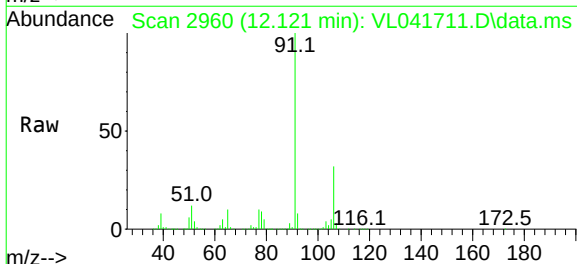
Acq: 21 Nov 2024 8:50

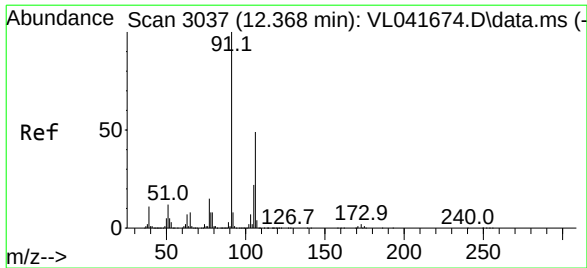
Tgt Ion: 91 Resp: 3808048

Ion Ratio Lower Upper

91 100

106 31.8 24.9 37.3





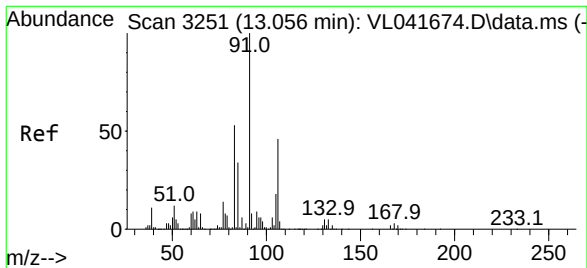
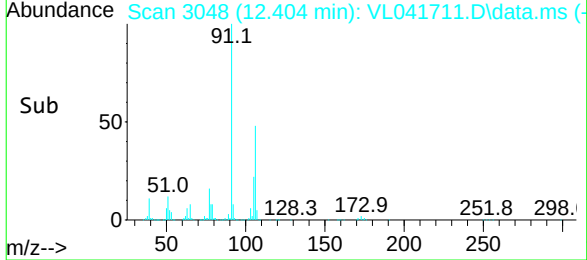
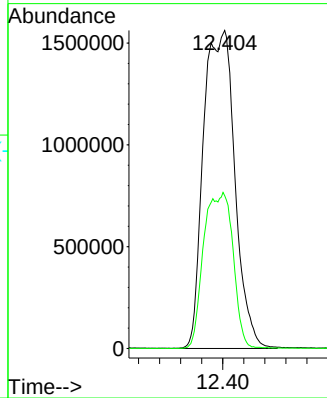
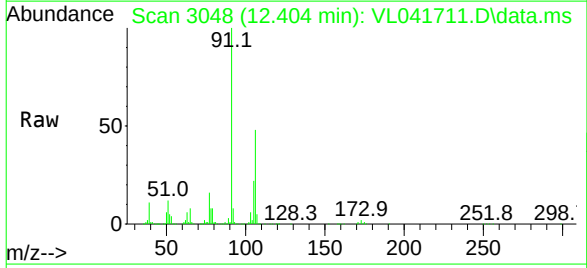
#59
m/p-Xylene
Concen: 21.958 ppbv m
RT: 12.404 min Scan# 3037
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 6459706
Ion Ratio Lower Upper
91 100
106 46.0 36.9 55.3

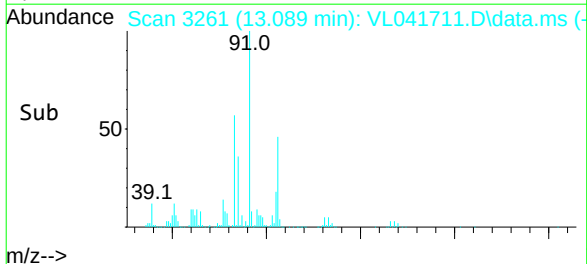
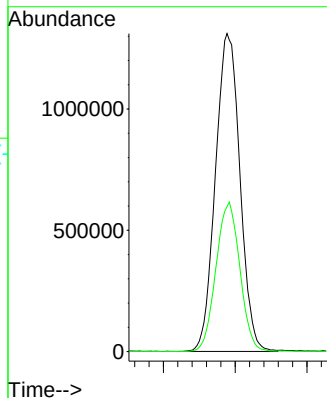
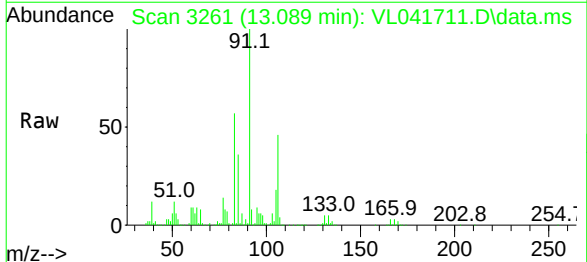
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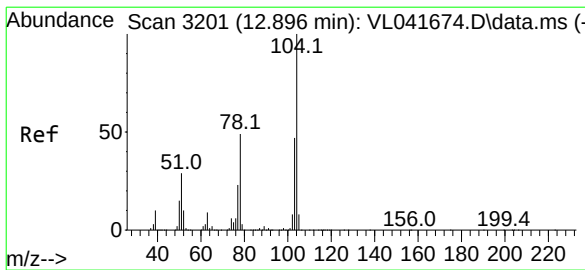
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#60
o-Xylene
Concen: 11.080 ppbv
RT: 13.089 min Scan# 3261
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

Tgt Ion: 91 Resp: 3108102
Ion Ratio Lower Upper
91 100
106 45.9 23.2 69.6





#61

Styrene

Concen: 12.940 ppbv

RT: 12.928 min Scan# 3201

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Instrument :

MSVOA_L

ClientSampleId :

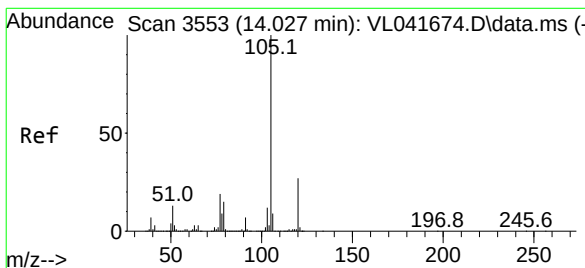
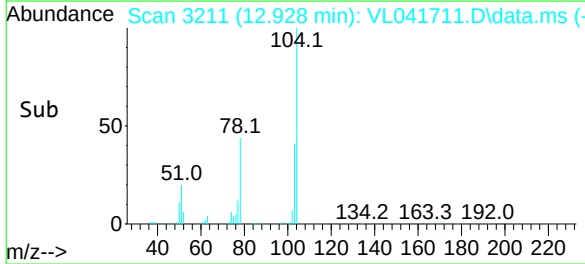
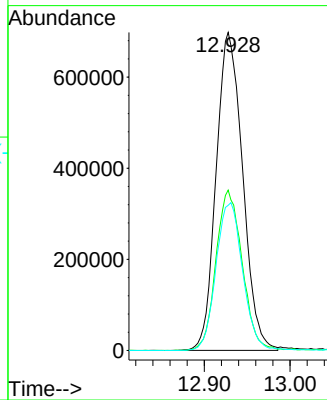
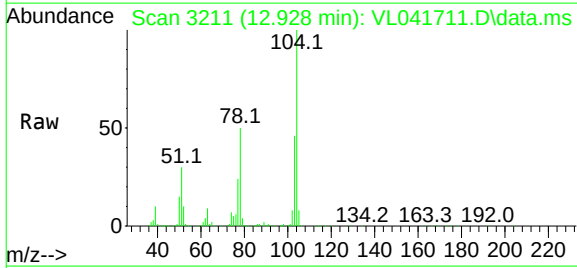
VSTDCCC010

Tgt Ion:104 Resp: 1498189
 Ion Ratio Lower Upper
 104 100
 78 49.9 39.8 59.8
 103 47.1 37.4 56.0

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Reviewed By :Semsettin Yesilyurt 11/22/2024
 Supervised By :Mahesh Dadoda 11/22/2024



#62

Isopropylbenzene

Concen: 10.583 ppbv

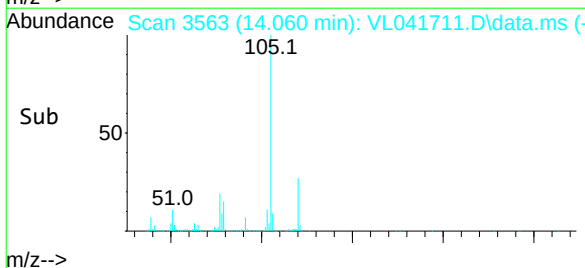
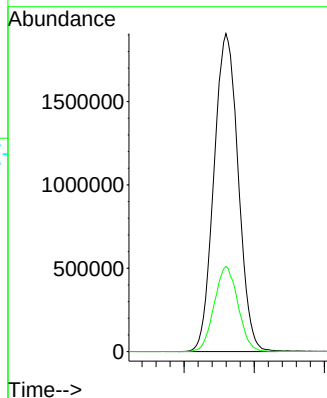
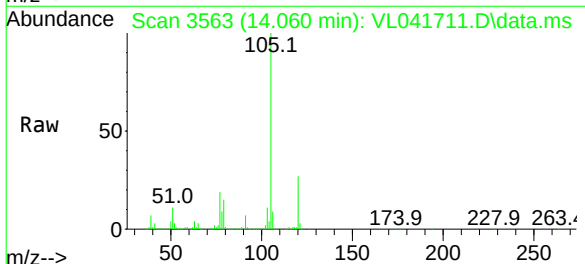
RT: 14.060 min Scan# 3563

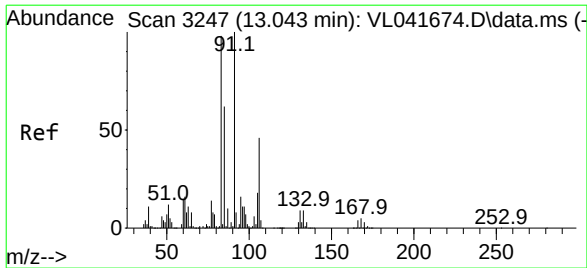
Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Tgt Ion:105 Resp: 4585032
 Ion Ratio Lower Upper
 105 100
 120 26.2 21.1 31.7





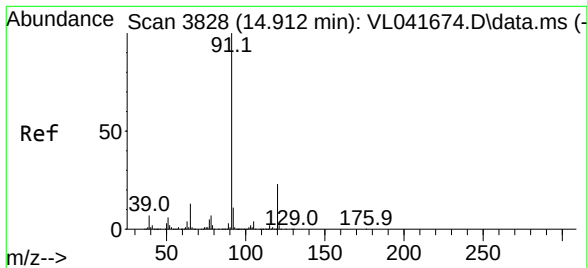
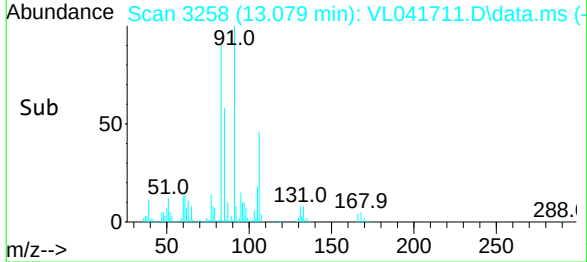
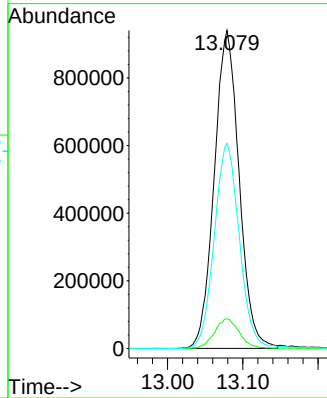
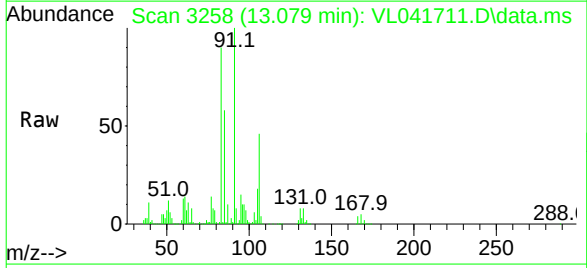
#63
1,1,2,2-Tetrachloroethane
Concen: 10.448 ppbv
RT: 13.079 min Scan# 3247
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 2155854
Ion Ratio Lower Upper
83 100
131 9.5 4.8 14.3
85 65.4 32.6 98.0

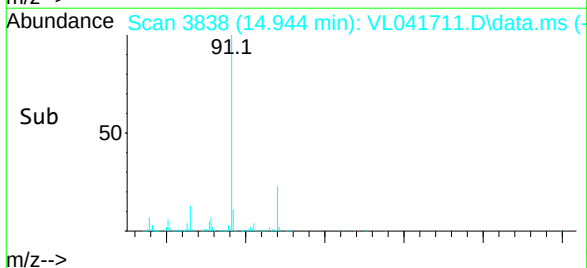
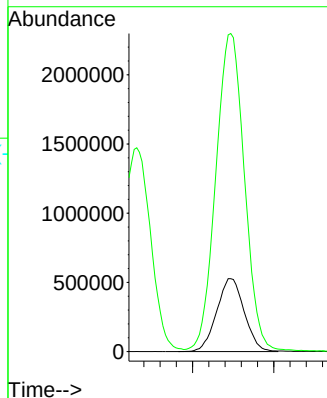
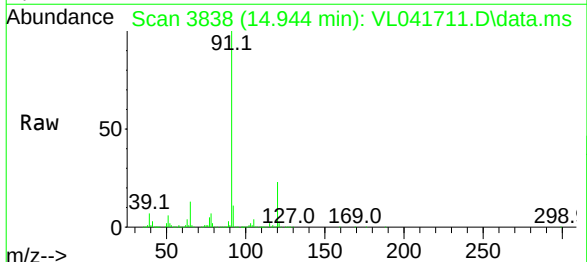
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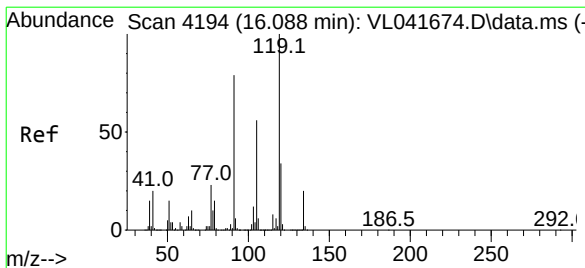
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#64
n-propylbenzene
Concen: 10.961 ppbv
RT: 14.944 min Scan# 3838
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

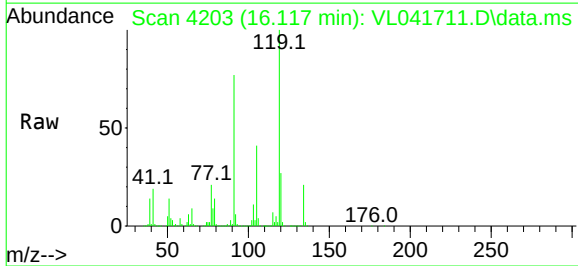
Tgt Ion:120 Resp: 1243110
Ion Ratio Lower Upper
120 100
91 454.7 362.4 543.6





#65
tert-Butylbenzene
Concen: 10.510 ppbv
RT: 16.117 min Scan# 4278
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

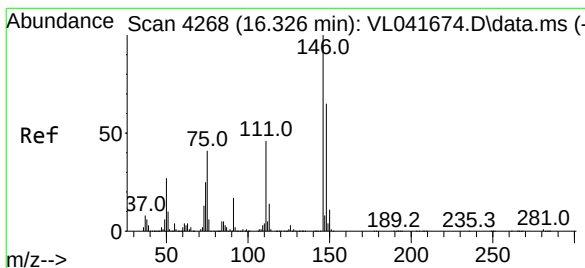
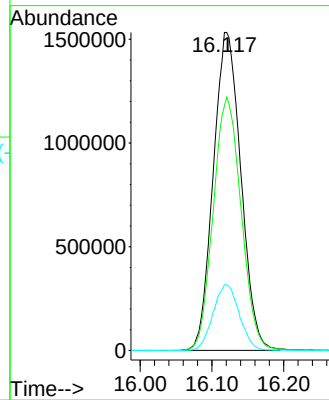
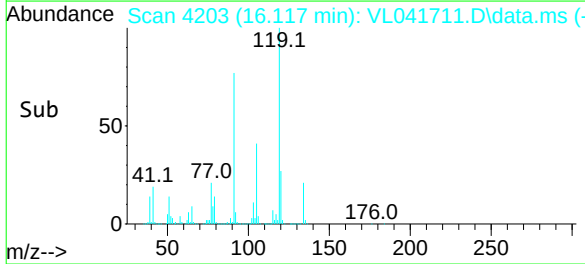
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 119 Resp: 4092301
Ion Ratio Lower Upper
119 100
91 80.5 64.3 96.5
134 19.8 15.8 23.8

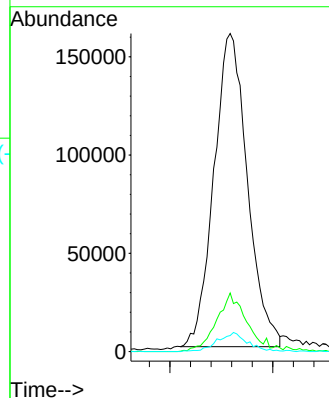
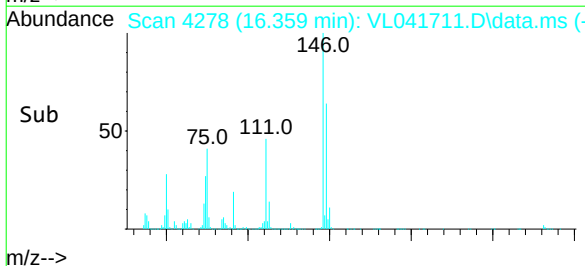
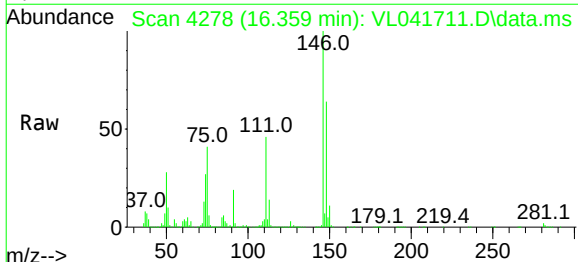
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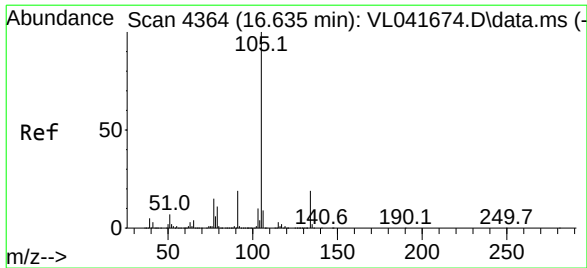
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#66
Benzyl Chloride
Concen: 12.031 ppbv
RT: 16.359 min Scan# 4278
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

Tgt Ion: 91 Resp: 360391
Ion Ratio Lower Upper
91 100
126 17.8 13.8 20.6
128 5.6 4.3 6.5





#67

sec-Butylbenzene

Concen: 10.510 ppbv

RT: 16.667 min Scan# 43

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:105 Resp: 5768247

Ion Ratio Lower Upper

105 100

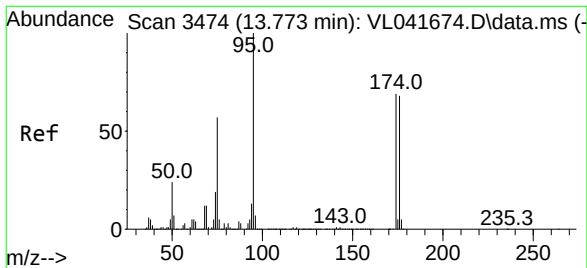
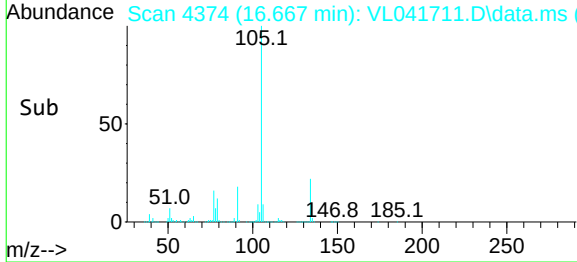
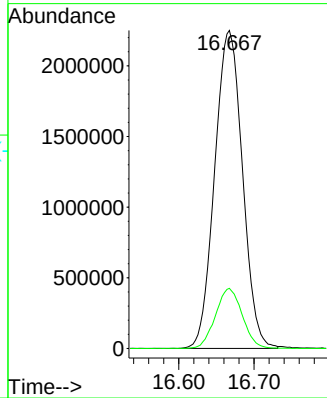
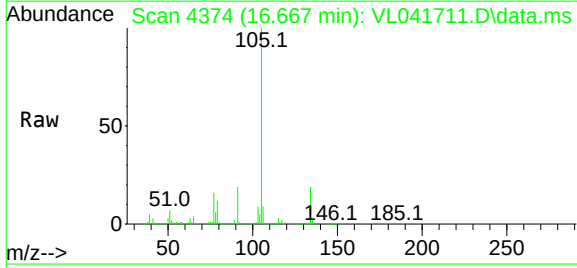
134 18.3 14.6 22.0

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Reviewed By :Semsettin Yesilyurt 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#68

1-Bromo-4-Fluorobenzene

Concen: 10.223 ppbv

RT: 13.806 min Scan# 3484

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

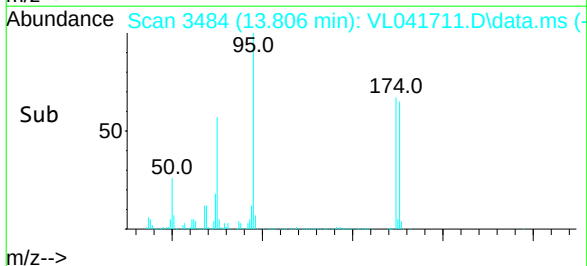
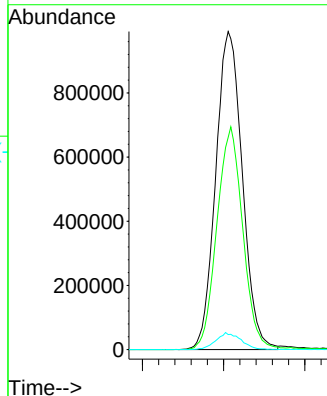
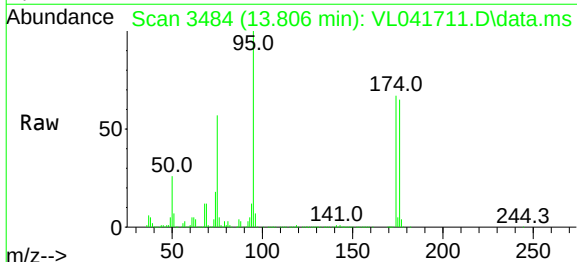
Tgt Ion: 95 Resp: 2257188

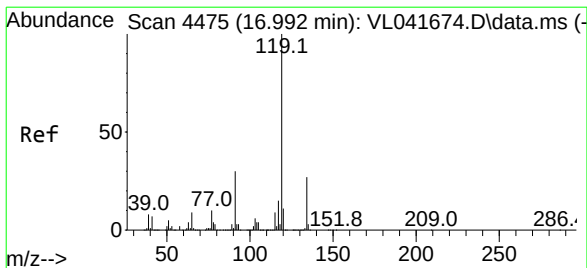
Ion Ratio Lower Upper

95 100

174 68.7 55.6 83.4

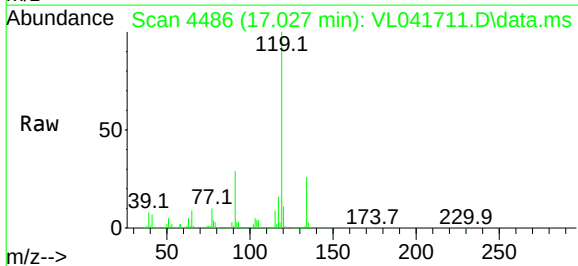
175 5.1 4.2 6.2





#69
p-Isopropyltoluene
Concen: 10.847 ppbv
RT: 17.027 min Scan# 4475
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

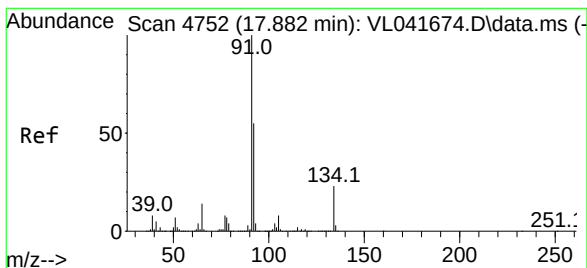
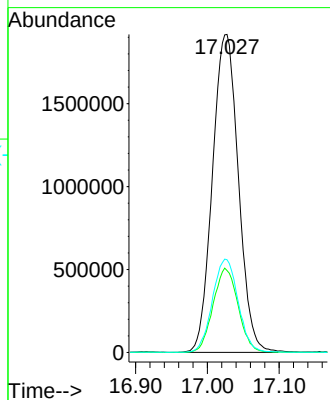
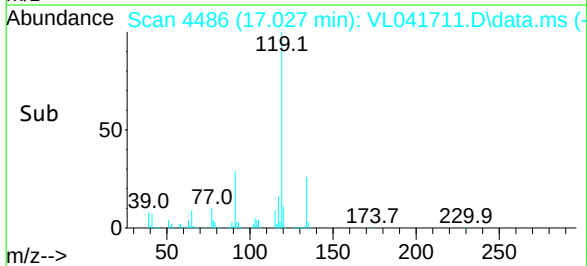
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



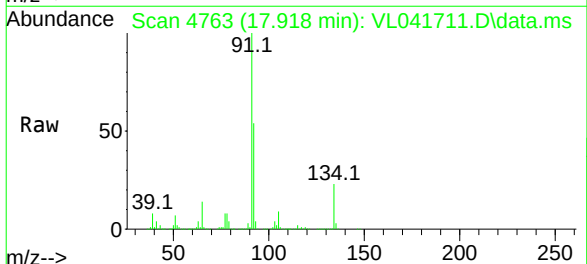
Tgt Ion: 119 Resp: 4812497
Ion Ratio Lower Upper
119 100
134 25.7 20.8 31.2
91 28.9 23.2 34.8

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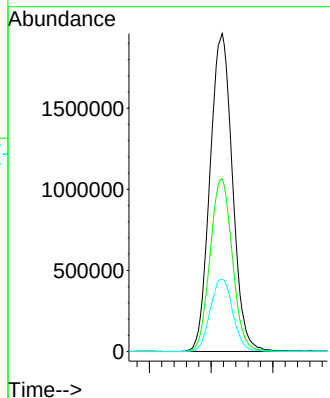
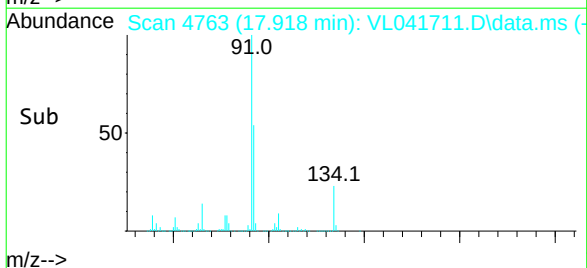
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

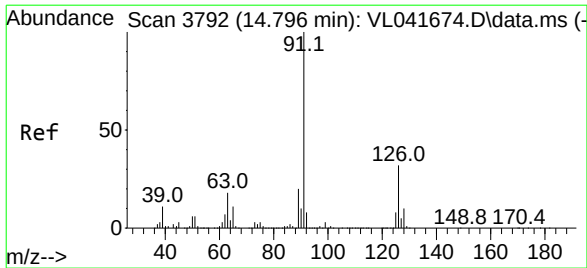


#70
n-Butylbenzene
Concen: 10.930 ppbv
RT: 17.918 min Scan# 4763
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50



Tgt Ion: 91 Resp: 4962014
Ion Ratio Lower Upper
91 100
92 54.0 43.3 64.9
134 23.1 18.4 27.6





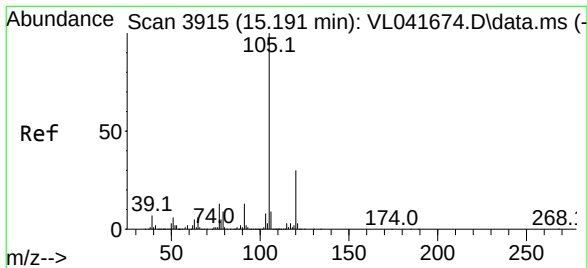
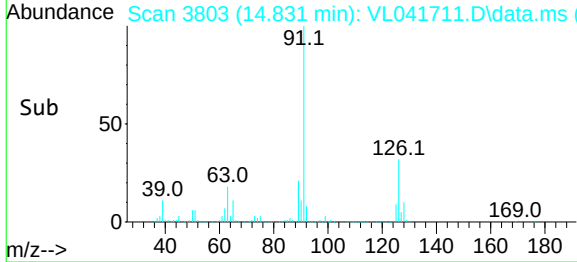
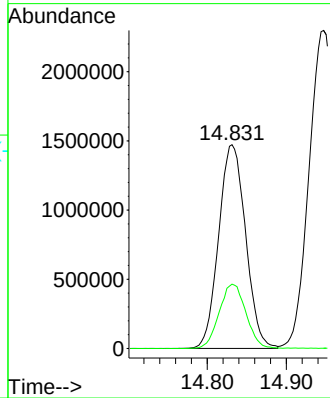
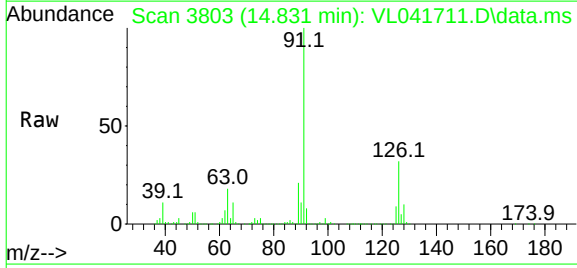
#71
2-Chlorotoluene
Concen: 11.127 ppbv
RT: 14.831 min Scan# 381
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 3484566
Ion Ratio Lower Upper
91 100
126 31.5 12.8 51.0

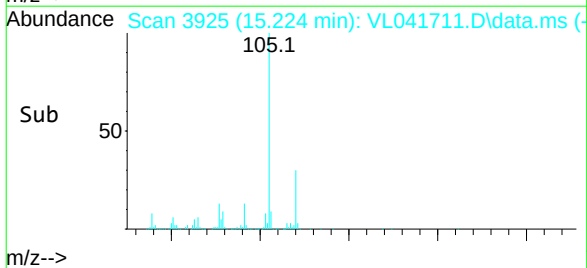
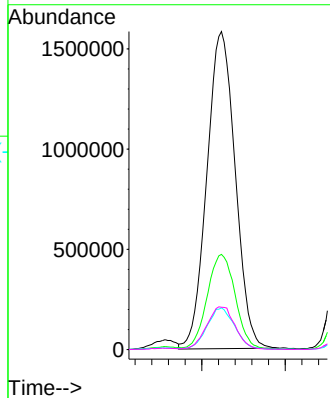
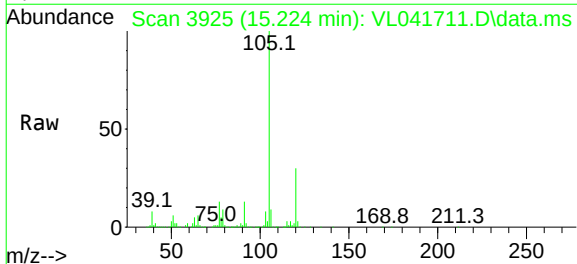
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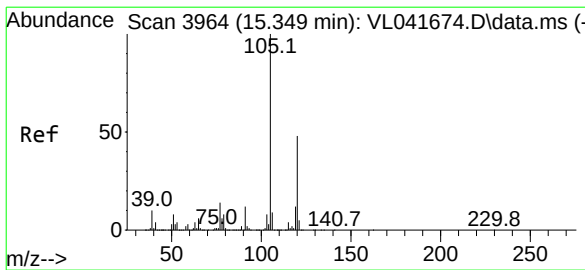
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#72
4-Ethyltoluene
Concen: 11.456 ppbv
RT: 15.224 min Scan# 3925
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

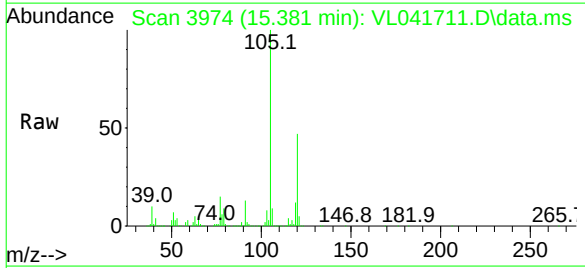
Tgt Ion:105 Resp: 3736233
Ion Ratio Lower Upper
105 100
120 30.9 25.0 37.4
91 12.9 10.6 15.8
77 14.1 11.1 16.7





#73
 1,3,5-Trimethylbenzene
 Concen: 11.120 ppbv
 RT: 15.381 min Scan# 3964
 Delta R.T. 0.000 min
 Lab File: VL041711.D
 Acq: 21 Nov 2024 8:50

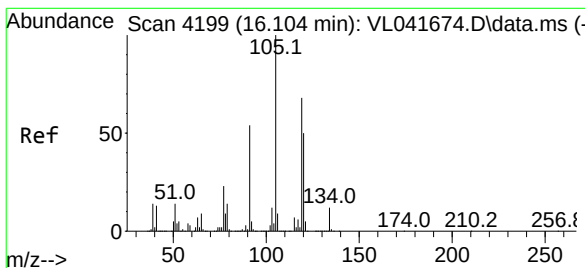
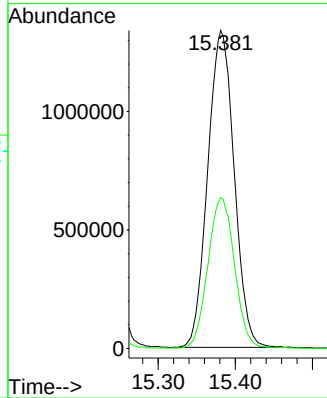
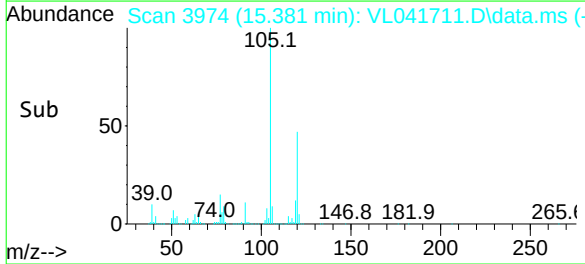
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



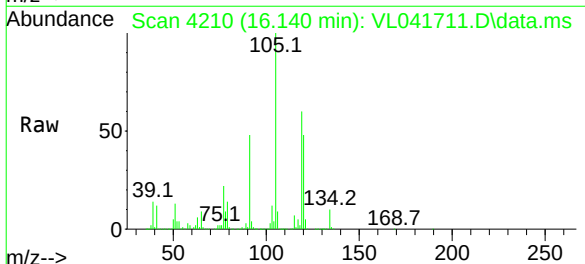
Tgt Ion:105 Resp: 3182515
 Ion Ratio Lower Upper
 105 100
 120 47.4 38.4 57.6

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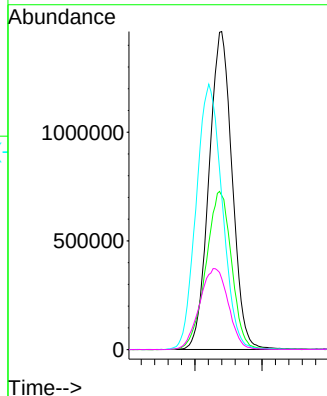
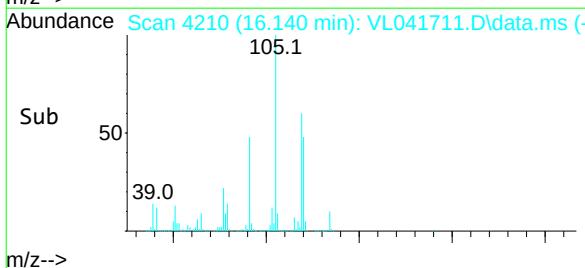
Reviewed By :Semsettin Yesilyurt 11/22/2024
 Supervised By :Mahesh Dadoda 11/22/2024

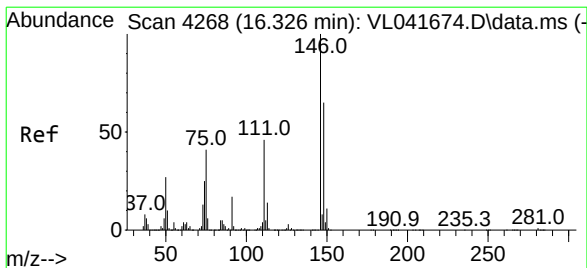


#74
 1,2,4-Trimethylbenzene
 Concen: 10.582 ppbv
 RT: 16.140 min Scan# 4210
 Delta R.T. 0.000 min
 Lab File: VL041711.D
 Acq: 21 Nov 2024 8:50



Tgt Ion:105 Resp: 3517746
 Ion Ratio Lower Upper
 105 100
 120 48.3 39.8 59.8
 91 48.2 43.2 64.8
 77 22.3 18.5 27.7





#75

1,3-Dichlorobenzene

Concen: 10.522 ppbv

RT: 16.362 min Scan# 4268

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:146 Resp: 2166163

Ion Ratio Lower Upper

146 100

111 45.4 22.8 68.3

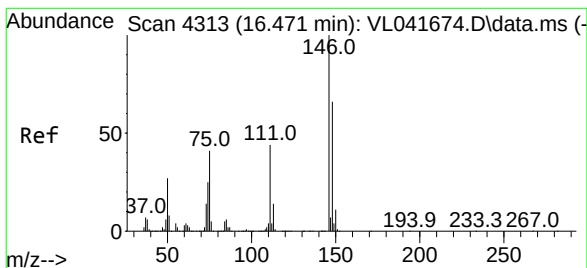
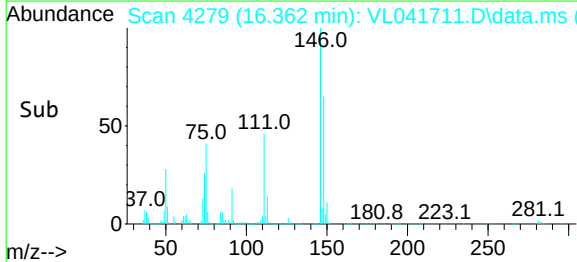
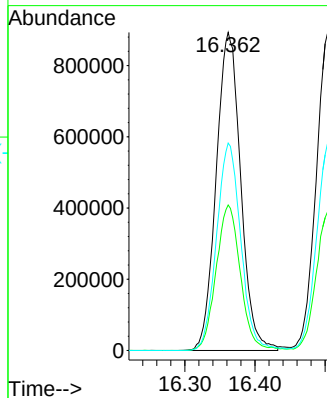
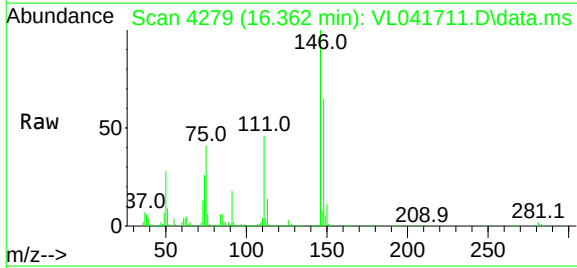
148 64.6 32.4 97.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#76

1,4-Dichlorobenzene

Concen: 10.547 ppbv

RT: 16.506 min Scan# 4324

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

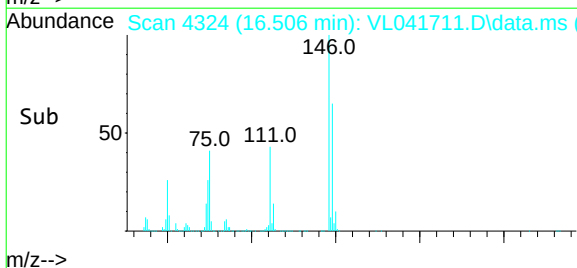
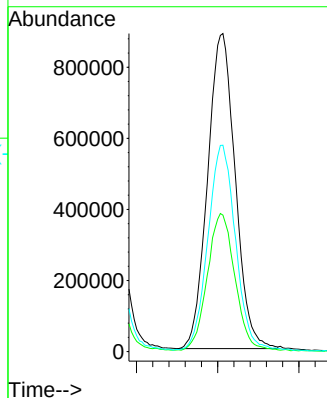
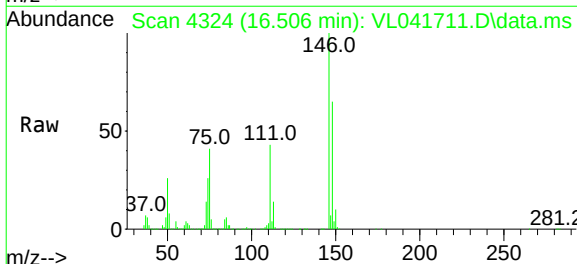
Tgt Ion:146 Resp: 2095111

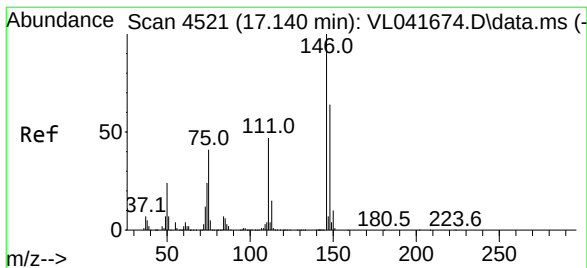
Ion Ratio Lower Upper

146 100

111 44.9 22.1 66.3

148 66.5 33.3 99.8





#77

1,2-Dichlorobenzene

Concen: 10.343 ppbv

RT: 17.175 min Scan# 4521

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Instrument :

MSVOA_L

ClientSampleId :

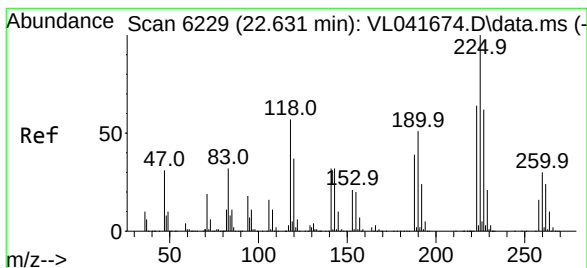
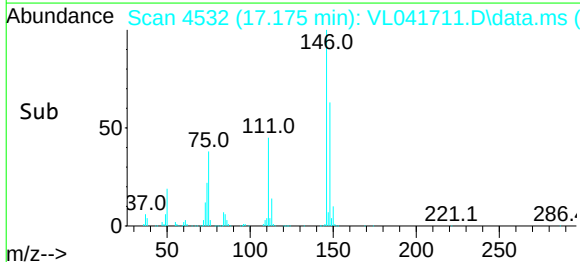
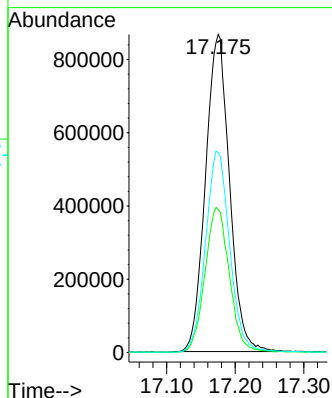
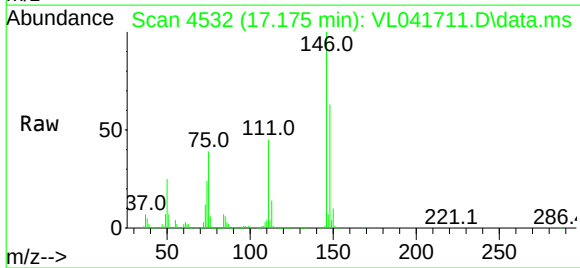
VSTDCCC010

Tgt Ion:146 Resp: 2109445

Ion	Ratio	Lower	Upper
146	100		
111	46.5	23.4	70.3
148	64.2	32.1	96.5

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#78

Hexachloro-1,3-Butadiene

Concen: 9.022 ppbv m

RT: 22.664 min Scan# 6239

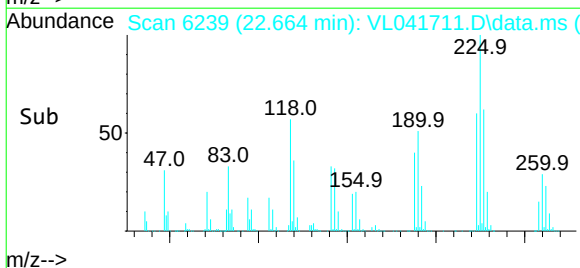
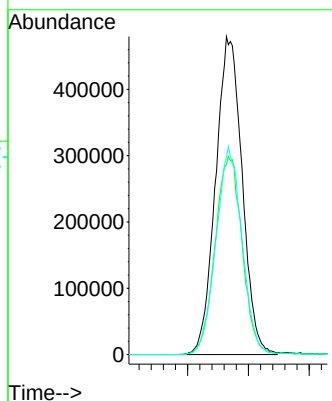
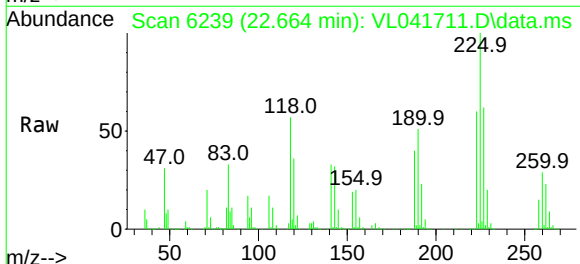
Delta R.T. 0.000 min

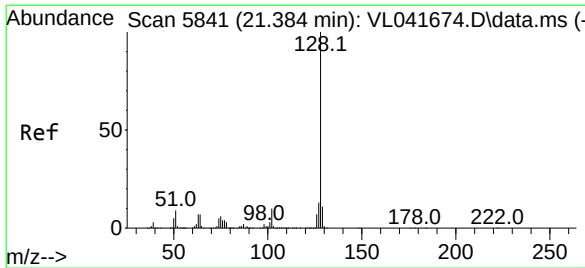
Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Tgt Ion:225 Resp: 1455287

Ion	Ratio	Lower	Upper
225	100		
223	63.7	51.1	76.7
227	64.1	51.3	76.9





#79

Naphthalene

Concen: 14.389 ppbv

RT: 21.419 min Scan# 5841

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Instrument :

MSVOA_L

ClientSampleId :

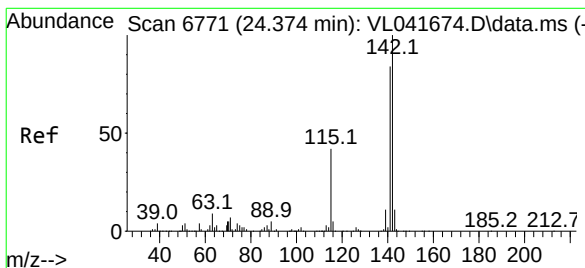
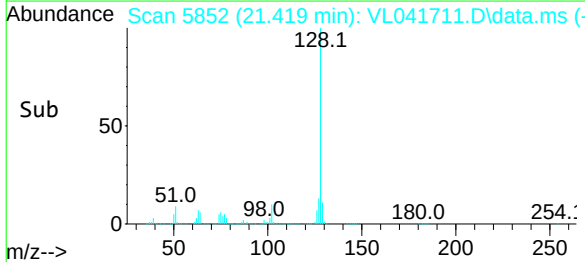
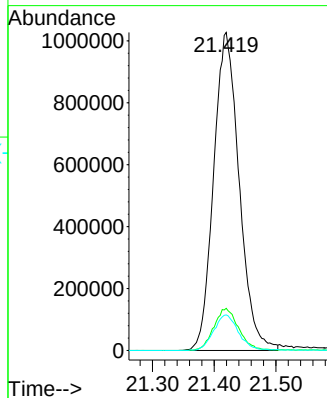
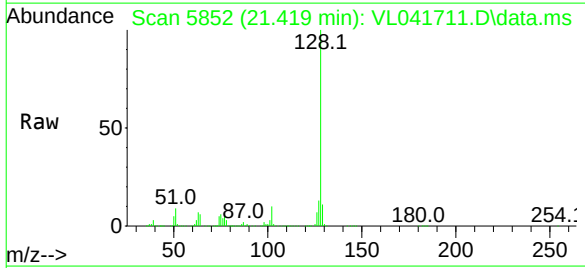
VSTDCCC010

Tgt Ion:	128	Resp:	2952462
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.5	15.7
129	11.2	8.7	13.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#80

Naphthalene, 2-methyl-

Concen: 14.101 ppbv

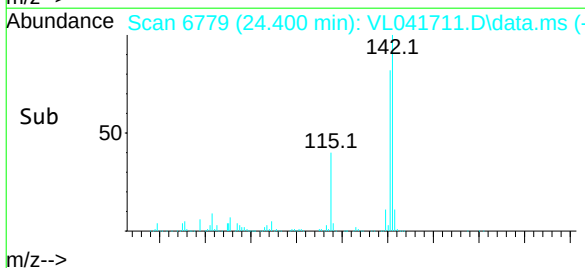
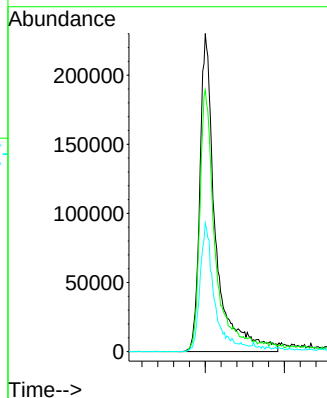
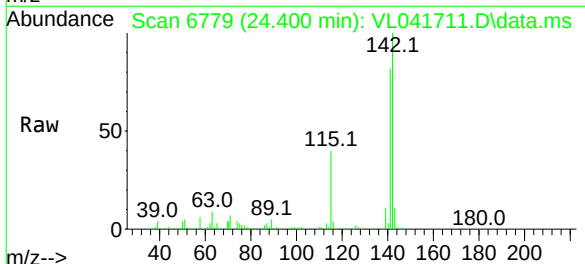
RT: 24.400 min Scan# 6779

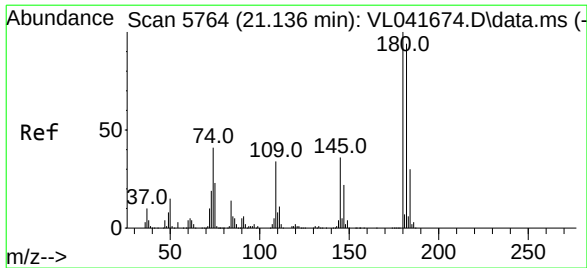
Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

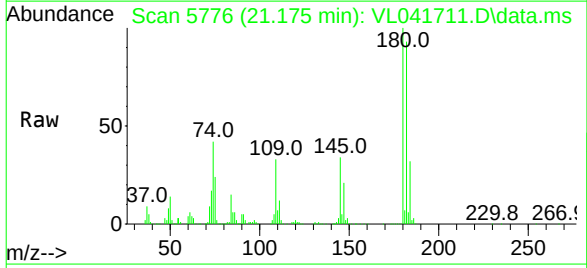
Tgt Ion:	142	Resp:	630748
Ion	Ratio	Lower	Upper
142	100		
141	84.6	68.1	102.1
115	40.1	33.1	49.7





#81
1,2,4-Trichlorobenzene
Concen: 11.633 ppbv
RT: 21.175 min Scan# 57
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

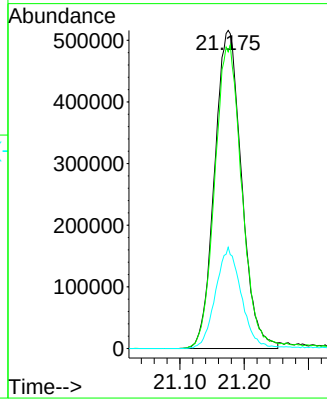
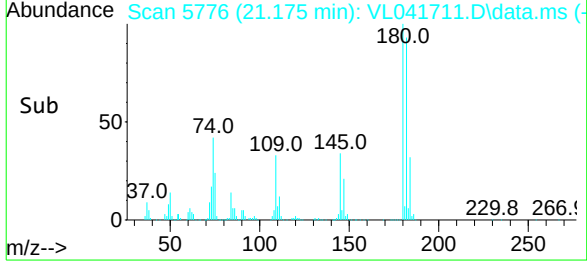


Tgt Ion:180 Resp: 1501117

Ion	Ratio	Lower	Upper
180	100		
182	96.9	78.2	117.2
184	30.6	25.0	37.4

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112124\
 Data File : VL041711.D
 Acq On : 21 Nov 2024 8:50
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 LabSampleId :
 VSTDCCC010

Quant Time: Nov 22 01:01:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Nov 22 01:00:55 2024
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	1.000	1.000	0.0	100	0.00
2 T	Dichlorodifluoromethane	1.807	1.212	32.9#	64	0.00
3	Chlorodifluoromethane	1.303	1.200	7.9	101	0.00
4	Chloromethane	0.690	0.658	4.6	102	0.00
5 T	Vinyl Chloride	0.621	0.629	-1.3	101	0.00
6 T	Bromomethane	0.329	0.323	1.8	102	0.00
7	Chloroethane	0.227	0.229	-0.9	103	0.00
8 T	Dichlorotetrafluoroethane	1.613	1.494	7.4	101	0.00
9 T	Propene	0.568	0.535	5.8	101	0.00
10 T	Heptane	1.272	1.333	-4.8	102	0.00
11 T	Trichlorofluoromethane	1.574	1.487	5.5	101	0.00
12 T	1,1,2-Trichlorotrifluoroeth	1.144	1.106	3.3	103	0.00
13	Ethanol	0.035	0.031#	11.4	106	0.00
14 T	Bromoethene	0.460	0.448	2.6	104	0.00
15 T	Acetone	1.231	1.137	7.6	104	0.00
16 T	1,3-Butadiene	0.621	0.630	-1.4	101	0.00
17	tert-Butyl alcohol	1.080	1.080	0.0	104	0.00
18 T	1,1-Dichloroethene	0.502	0.487	3.0	102	0.00
19 T	Isopropyl Alcohol	0.588	0.581	1.2	106	0.00
20 T	Methylene Chloride	0.453	0.410	9.5	103	0.00
21 T	Allyl Chloride	0.761	0.771	-1.3	102	0.00
22 T	trans-1,2-Dichloroethene	0.499	0.500	-0.2	104	0.00
23 T	Vinyl Acetate	0.543	0.536	1.3	104	0.00
24 T	1,1-Dichloroethane	1.114	1.068	4.1	102	0.00
25 T	Ethyl Acetate	2.548	2.515	1.3	102	0.00
26 T	Hexane	0.979	0.996	-1.7	103	0.00
27 T	Carbon Disulfide	1.100	1.195	-8.6	102	0.00
28 T	Methyl tert-Butyl Ether	0.630	0.609	3.3	107	0.00
29 T	Chloroform	1.616	1.533	5.1	101	0.00
30 T	Cyclohexane	0.833	0.844	-1.3	103	0.00
31 T	cis-1,2-Dichloroethene	0.942	0.961	-2.0	103	0.00
32 T	1,1,1-Trichloroethane	1.474	1.501	-1.8	101	0.00
33 I	1,4-Difluorobenzene	1.000	1.000	0.0	99	0.00
34 T	2-Butanone	0.498	0.450	9.6	93	0.00
35 T	Carbon Tetrachloride	0.528	0.568	-7.6	99	0.00
36 T	Benzene	0.741	0.766	-3.4	102	0.00
37 T	1,2-Dichloroethane	0.418	0.423	-1.2	102	0.00
38 T	Trichloroethene	0.285	0.311	-9.1	101	0.00
39 T	1,2-Dichloropropane	0.293	0.294	-0.3	102	0.00
40 T	1,4-Dioxane	0.105	0.115	-9.5	102	0.00
41 T	Tetrahydrofuran	0.284	0.314	-10.6	105	0.00
42 T	Bromodichloromethane	0.581	0.606	-4.3	101	0.00
43	Methyl Methacrylate	0.260	0.299	-15.0	102	0.00
44 T	2,2,4-Trimethylpentane	1.255	1.287	-2.5	101	0.00
45 T	t-1,3-Dichloropropene	0.238	0.293	-23.1	102	0.00
46 T	cis-1,3-Dichloropropene	0.341	0.398	-16.7	102	0.00
47 T	1,1,2-Trichloroethane	0.317	0.314	0.9	101	0.00
48 T	Dibromochloromethane	0.482	0.517	-7.3	99	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112124\
 Data File : VL041711.D
 Acq On : 21 Nov 2024 8:50
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 LabSampleId :
 VSTDCCC010

Quant Time: Nov 22 01:01:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Nov 22 01:00:55 2024
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	Bromoform	0.412	0.457	-10.9	98	0.00
50 T	4-Methyl-2-Pentanone	0.764	0.825	-8.0	101	0.00
51 T	2-Hexanone	0.557	0.638	-14.5	100	0.00
52 T	Tetrachloroethene	0.252	0.281	-11.5	100	0.00
53 T	Toluene	0.779	0.882	-13.2	102	0.00
54 T	1,2-Dibromoethane	0.370	0.425	-14.9	101	0.00
55 I	Chlorobenzene-d5	1.000	1.000	0.0	90	0.00
56	1,1,1,2-Tetrachloroethane	0.412	0.418	-1.5	99	0.00
57 T	Chlorobenzene	0.740	0.735	0.7	98	0.00
58 T	Ethyl Benzene	1.096	1.271	-16.0	100	0.00
59 T	m/p-Xylene	0.982	1.078	-9.8	100	0.00
60 T	o-Xylene	0.936	1.037	-10.8	99	0.00
61 T	Styrene	0.386	0.500	-29.5	99	0.00
62	Isopropylbenzene	1.446	1.530	-5.8	99	0.00
63 T	1,1,2,2-Tetrachloroethane	0.689	0.719	-4.4	98	0.00
64	n-propylbenzene	0.378	0.415	-9.8	99	0.00
65	tert-Butylbenzene	1.299	1.366	-5.2	98	0.00
66 T	Benzyl Chloride	0.100	0.120	-20.0	100	0.00
67	sec-Butylbenzene	1.831	1.925	-5.1	98	0.00
68 S	1-Bromo-4-Fluorobenzene	0.737	0.753	-2.2	95	0.00
69	p-Isopropyltoluene	1.481	1.606	-8.4	98	0.00
70	n-Butylbenzene	1.515	1.656	-9.3	99	0.00
71	2-Chlorotoluene	1.045	1.163	-11.3	99	0.00
72 T	4-Ethyltoluene	1.088	1.247	-14.6	99	0.00
73 T	1,3,5-Trimethylbenzene	0.955	1.062	-11.2	99	0.00
74 T	1,2,4-Trimethylbenzene	1.109	1.174	-5.9	99	0.00
75 T	1,3-Dichlorobenzene	0.687	0.723	-5.2	99	0.00
76 T	1,4-Dichlorobenzene	0.663	0.699	-5.4	98	0.00
77 T	1,2-Dichlorobenzene	0.681	0.704	-3.4	99	0.00
78 T	Hexachloro-1,3-Butadiene	0.538	0.486	9.7	102	0.00
79 T	Naphthalene	0.685	0.985	-43.8#	107	0.00
80 T	Naphthalene,2-methyl-	0.149	0.210	-40.9#	135	0.00
81 T	1,2,4-Trichlorobenzene	0.431	0.501	-16.2	106	0.00

(#) = Out of Range

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



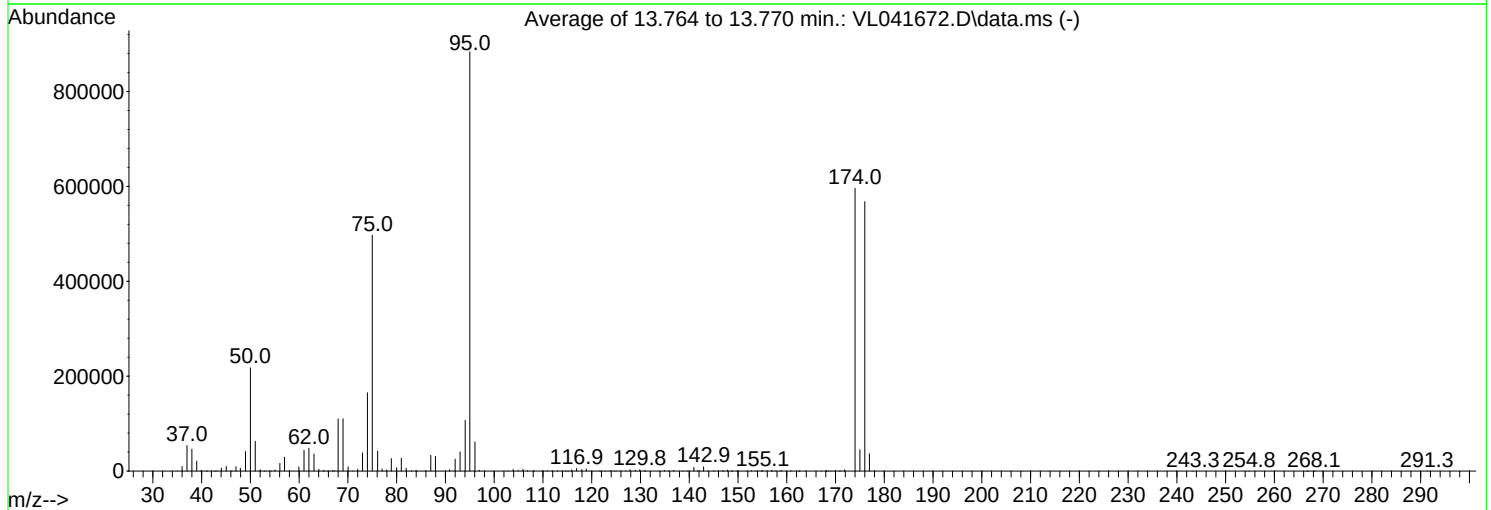
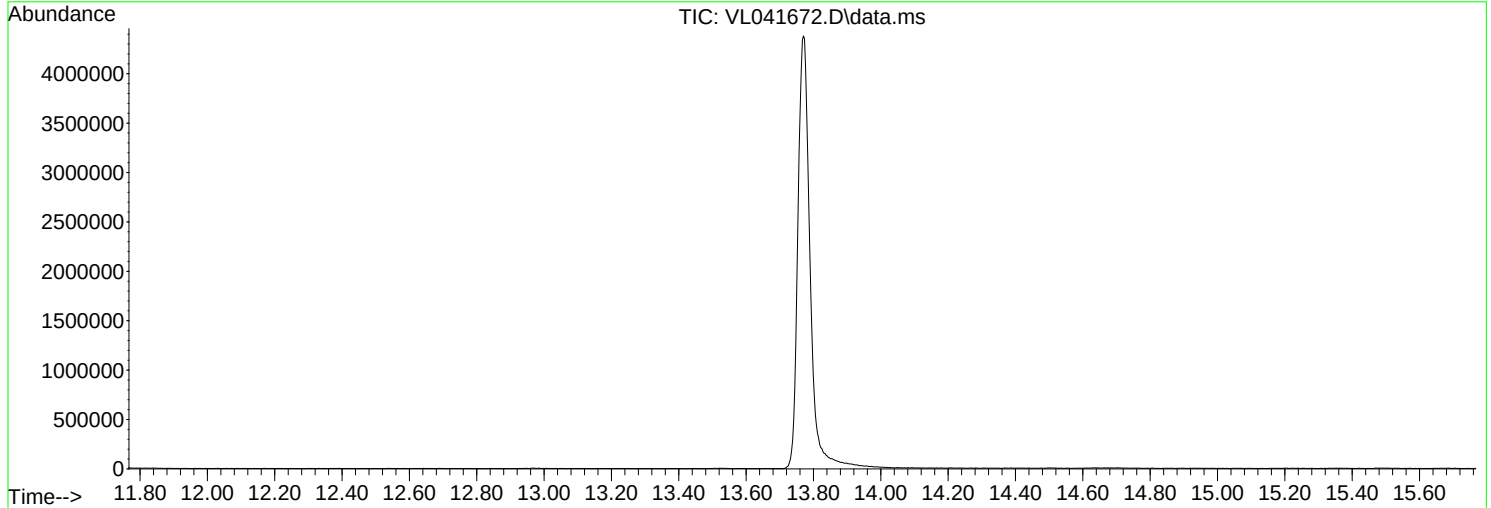
QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
Data File : VL041672.D
Acq On : 7 Nov 2024 8:58
Operator : SY/MD
Sample : BFB
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
Last Update : Fri Nov 08 01:01:00 2024



AutoFind: Scans 3471, 3472, 3473; Background Corrected with Scan 3447

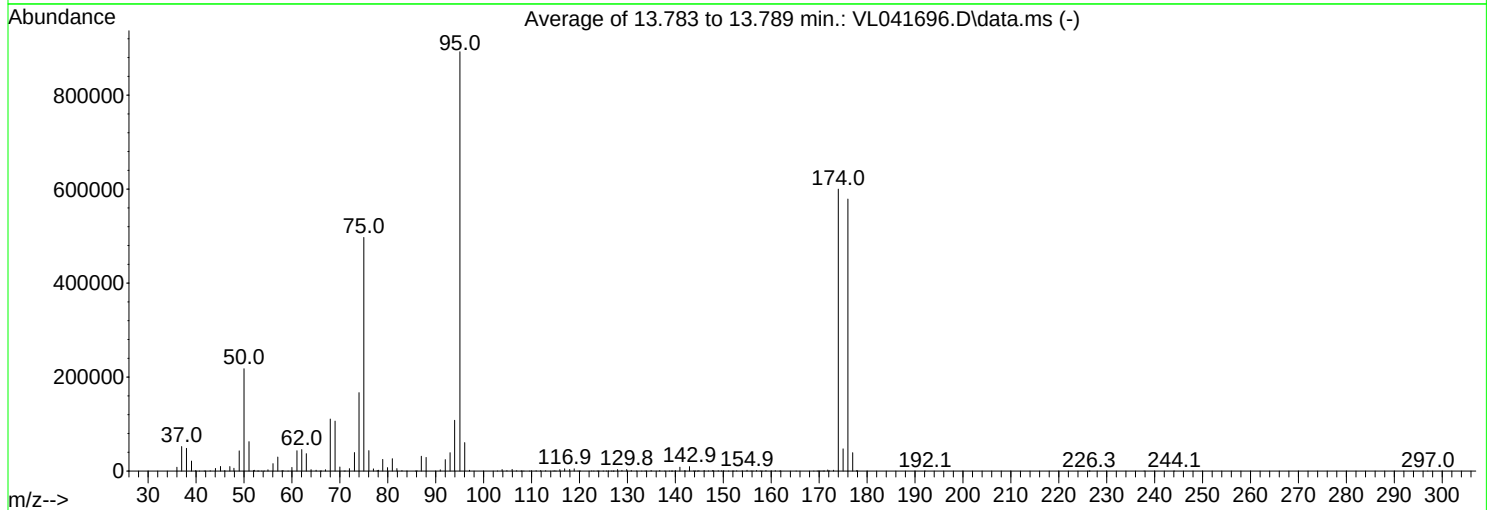
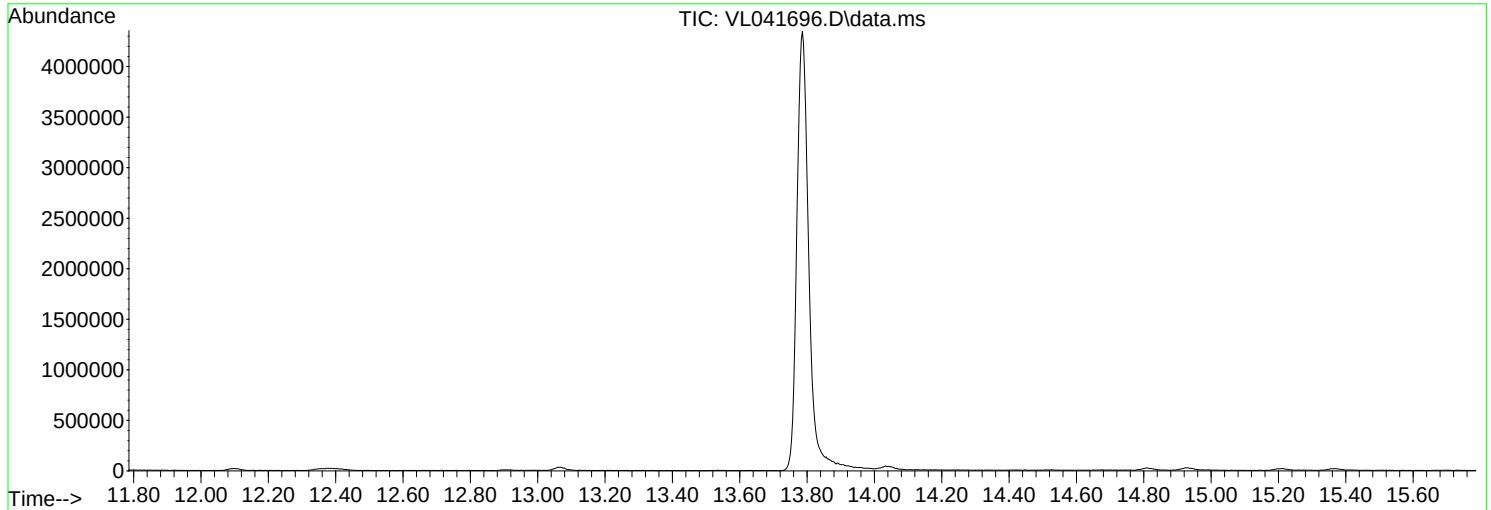
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	24.6	217600	PASS
75	95	30	66	56.3	497408	PASS
95	95	100	100	100.0	883883	PASS
96	95	5	9	7.0	61491	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	67.4	595968	PASS
175	174	4	9	7.5	44800	PASS
176	174	93	101	95.3	567979	PASS
177	176	5	9	6.4	36571	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112024\
Data File : VL041696.D
Acq On : 20 Nov 2024 7:31
Operator : SY/MD
Sample : BFB
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
Last Update : Fri Nov 08 01:01:00 2024



AutoFind: Scans 3477, 3478, 3479; Background Corrected with Scan 3453

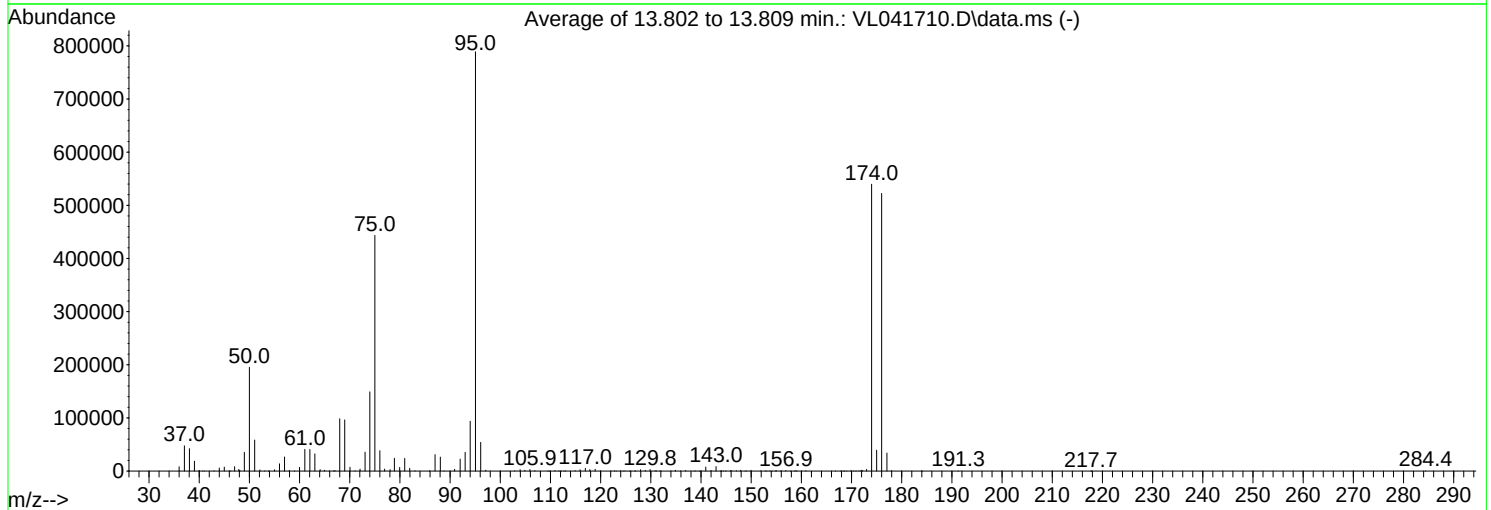
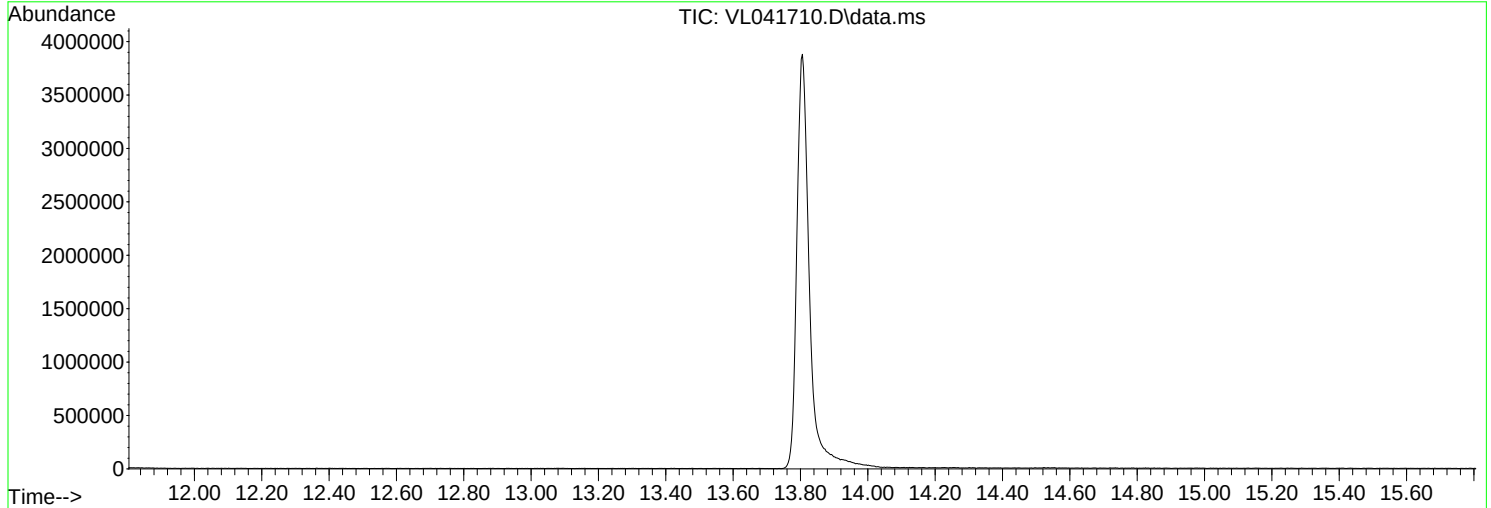
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	24.4	217813	PASS
75	95	30	66	55.7	497237	PASS
95	95	100	100	100.0	892416	PASS
96	95	5	9	6.8	60592	PASS
173	174	0.00	2	0.3	1835	PASS
174	95	50	120	67.2	600000	PASS
175	174	4	9	7.9	47296	PASS
176	174	93	101	96.5	578859	PASS
177	176	5	9	6.8	39176	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112124\
Data File : VL041710.D
Acq On : 21 Nov 2024 8:12
Operator : SY/MD
Sample : BFB
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
Last Update : Fri Nov 22 01:00:55 2024



AutoFind: Scans 3483, 3484, 3485; Background Corrected with Scan 3453

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	24.7	195264	PASS
75	95	30	66	56.2	443477	PASS
95	95	100	100	100.0	788992	PASS
96	95	5	9	6.9	54053	PASS
173	174	0.00	2	0.6	3163	PASS
174	95	50	120	68.4	539733	PASS
175	174	4	9	7.3	39331	PASS
176	174	93	101	96.8	522347	PASS
177	176	5	9	6.5	33968	PASS

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Air PT	Date Received:	
Client Sample ID:	VL1120ABL01	SDG No.:	P4633
Lab Sample ID:	VL1120ABL01	Matrix:	Air
Analytical Method:	TO-15	Test:	VOCMS Group3
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL041698.D	1		11/20/24 12:36	VL112024

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-45-6	Chlorodifluoromethane	0.090	0.32	U	0.32	1.77	ug/m3
75-71-8	Dichlorodifluoromethane	0.21	1.04	U	1.04	2.47	ug/m3
64-17-5	Ethanol	0.32	0.60	U	0.60	0.94	ug/m3
74-87-3	Chloromethane	0.10	0.21	U	0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	0.010	0.030	U	0.030	0.080	ug/m3
141-78-6	Ethyl Acetate	0.080	0.32	U	0.32	1.98	ug/m3
74-83-9	Bromomethane	0.14	0.54	U	0.54	1.94	ug/m3
75-00-3	Chloroethane	0.17	0.45	U	0.45	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.13	0.38	U	0.38	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.16	0.90	U	0.90	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.16	1.23	U	1.23	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.090	0.63	U	0.63	3.49	ug/m3
593-60-2	Bromoethene	0.12	0.52	U	0.52	2.19	ug/m3
115-07-1	Propene	0.15	0.26	U	0.26	0.86	ug/m3
75-65-0	tert-Butyl alcohol	0.19	0.58	U	0.58	1.52	ug/m3
142-82-5	Heptane	0.11	0.45	U	0.45	2.05	ug/m3
67-63-0	Isopropyl Alcohol	0.070	0.17	U	0.17	1.23	ug/m3
75-35-4	1,1-Dichloroethene	0.14	0.56	U	0.56	1.98	ug/m3
67-64-1	Acetone	0.24	0.57	U	0.57	1.19	ug/m3
75-15-0	Carbon Disulfide	0.16	0.50	U	0.50	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.12	0.43	U	0.43	1.80	ug/m3
75-09-2	Methylene Chloride	0.19	0.66	U	0.66	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.19	0.75	U	0.75	1.98	ug/m3
108-05-4	Vinyl Acetate	0.16	0.58	U	0.58	1.80	ug/m3
75-34-3	1,1-Dichloroethane	0.13	0.53	U	0.53	2.02	ug/m3
110-82-7	Cyclohexane	0.22	0.76	U	0.76	1.72	ug/m3
78-93-3	2-Butanone	0.12	0.35	U	0.35	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.010	0.060	U	0.060	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.090	0.36	U	0.36	1.98	ug/m3
67-66-3	Chloroform	0.080	0.39	U	0.39	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.010	0.050	U	0.050	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.10	0.47	U	0.47	2.34	ug/m3
71-43-2	Benzene	0.090	0.29	U	0.29	1.60	ug/m3
107-06-2	1,2-Dichloroethane	0.090	0.36	U	0.36	2.02	ug/m3
79-01-6	Trichloroethene	0.020	0.11	U	0.11	0.16	ug/m3

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Air PT	Date Received:	
Client Sample ID:	VL1120ABL01	SDG No.:	P4633
Lab Sample ID:	VL1120ABL01	Matrix:	Air
Analytical Method:	TO-15	Test:	VOCMS Group3
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL041698.D	1		11/20/24 12:36	VL112024

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
78-87-5	1,2-Dichloropropane	0.11	0.51	U	0.51	2.31	ug/m3
75-27-4	Bromodichloromethane	0.080	0.54	U	0.54	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.090	0.37	U	0.37	2.05	ug/m3
108-88-3	Toluene	0.11	0.41	U	0.41	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.060	0.27	U	0.27	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.060	0.27	U	0.27	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.070	0.38	U	0.38	2.73	ug/m3
591-78-6	2-Hexanone	0.080	0.33	U	0.33	2.04	ug/m3
124-48-1	Dibromochloromethane	0.070	0.60	U	0.60	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.070	0.54	U	0.54	0.77	ug/m3
127-18-4	Tetrachloroethene	0.020	0.14	U	0.14	0.20	ug/m3
108-90-7	Chlorobenzene	0.080	0.37	U	0.37	2.30	ug/m3
100-41-4	Ethyl Benzene	0.12	0.52	U	0.52	2.17	ug/m3
179601-23-1	m/p-Xylene	0.21	0.91	U	0.91	4.34	ug/m3
1330-20-7	Total Xylenes	0.33	1.43	U	1.43	6.52	ug/m3
95-47-6	o-Xylene	0.12	0.52	U	0.52	2.17	ug/m3
100-42-5	Styrene	0.11	0.47	U	0.47	2.13	ug/m3
75-25-2	Bromoform	0.060	0.62	U	0.62	5.17	ug/m3
98-82-8	Isopropylbenzene	0.090	0.44	U	0.44	2.46	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.010	0.070	U	0.070	0.21	ug/m3
95-49-8	2-Chlorotoluene	0.11	0.57	U	0.57	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.11	0.54	U	0.54	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.080	0.39	U	0.39	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.080	0.48	U	0.48	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.050	0.30	U	0.30	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.080	0.48	U	0.48	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.090	0.67	U	0.67	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.090	0.96	U	0.96	5.33	ug/m3
106-99-0	1,3-Butadiene	0.13	0.29	U	0.29	1.11	ug/m3
91-20-3	Naphthalene	0.080	0.42	U	0.42	0.52	ug/m3
622-96-8	4-Ethyltoluene	0.12	0.59	U	0.59	2.46	ug/m3
110-54-3	Hexane	0.11	0.39	U	0.39	1.76	ug/m3
107-05-1	Allyl Chloride	0.15	0.47	U	0.47	1.57	ug/m3
123-91-1	1,4-Dioxane	0.21	0.76	U	0.76	1.80	ug/m3
100-44-7	Benzyl Chloride	0.18	0.93	U	0.93	2.59	ug/m3
80-62-6	Methyl Methacrylate	0.090	0.37	U	0.37	2.05	ug/m3

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Air PT	Date Received:	
Client Sample ID:	VL1120ABL01	SDG No.:	P4633
Lab Sample ID:	VL1120ABL01	Matrix:	Air
Analytical Method:	TO-15	Test:	VOCMS Group3
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL041698.D	1		11/20/24 12:36	VL112024

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	9.90			65 - 135	99%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	1070000		5.211			
540-36-3	1,4-Difluorobenzene	3060000		6.671			
3114-55-4	Chlorobenzene-d5	2650000		11.48			

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112024\
 Data File : VL041698.D
 Acq On : 20 Nov 2024 12:36
 Operator : SY/MD
 Sample : VL1120ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1120ABL01

Quant Time: Nov 21 05:08:54 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Nov 08 01:01:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.211	49	1071128	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.671	114	3057945	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.484	117	2649975	10.000	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.793	95	1932714	9.899	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.000%

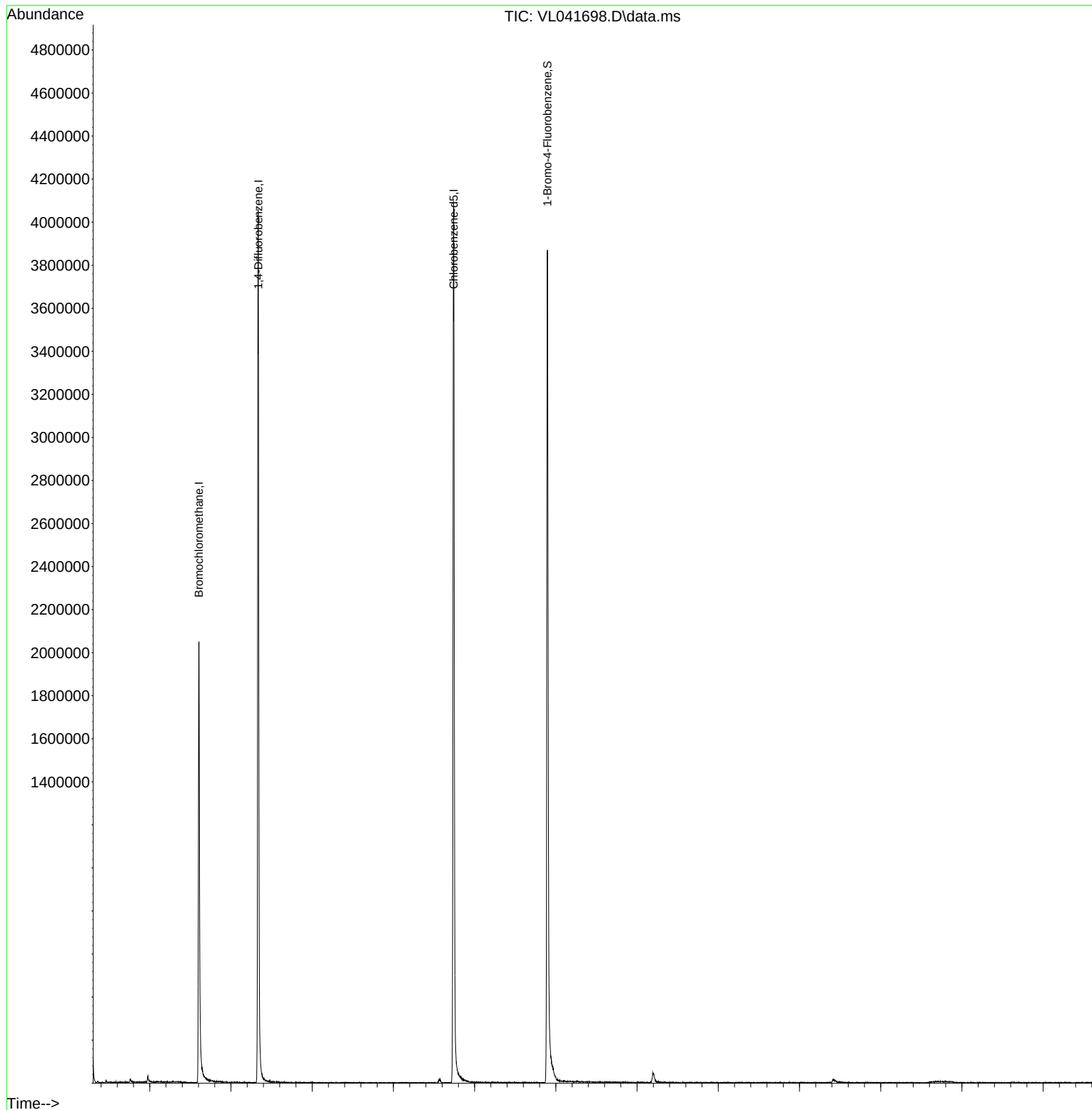
Target Compounds	Qvalue

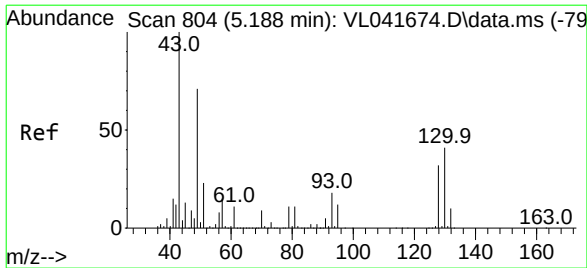
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112024\
Data File : VL041698.D
Acq On : 20 Nov 2024 12:36
Operator : SY/MD
Sample : VL1120ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABL01

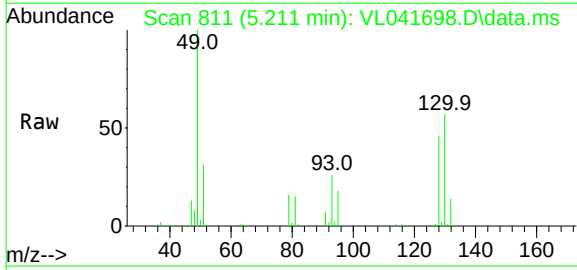
Quant Time: Nov 21 05:08:54 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Fri Nov 08 01:01:00 2024
Response via : Initial Calibration





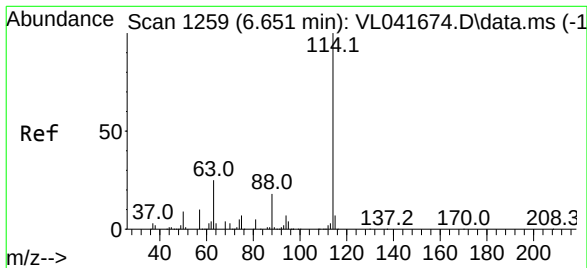
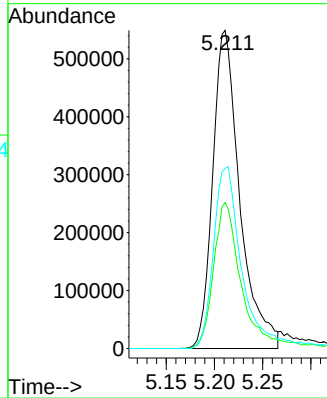
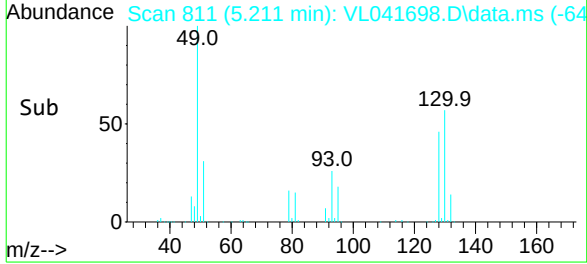
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.211 min Scan# 811
 Delta R.T. 0.023 min
 Lab File: VL041698.D
 Acq: 20 Nov 2024 12:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1120ABL01

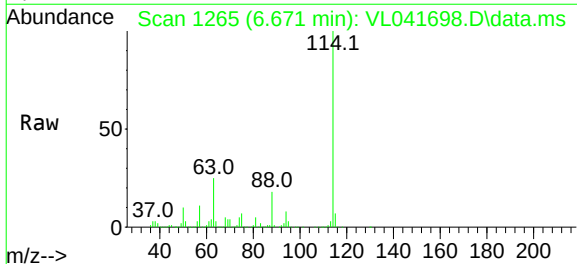


Tgt Ion: 49 Resp: 1071128

Ion	Ratio	Lower	Upper
49	100		
128	48.6	23.8	71.2
130	62.6	30.1	90.5

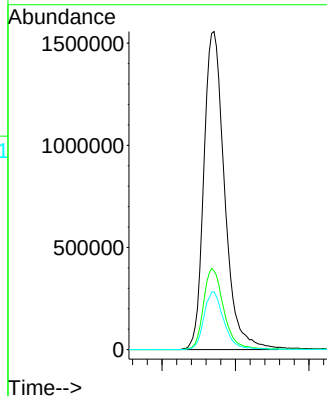
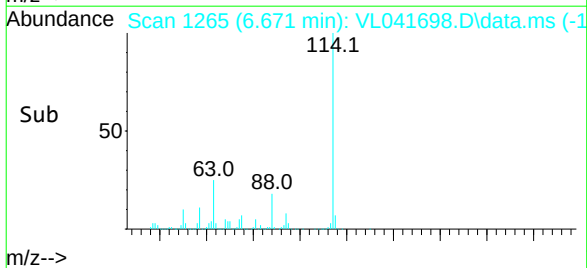


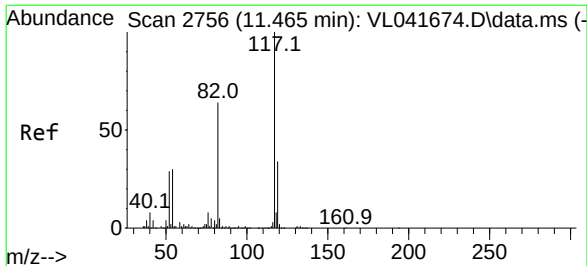
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 6.671 min Scan# 1265
 Delta R.T. 0.019 min
 Lab File: VL041698.D
 Acq: 20 Nov 2024 12:36



Tgt Ion: 114 Resp: 3057945

Ion	Ratio	Lower	Upper
114	100		
63	25.2	20.3	30.5
88	17.6	14.2	21.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.484 min Scan# 27

Delta R.T. 0.019 min

Lab File: VL041698.D

Acq: 20 Nov 2024 12:36

Instrument :

MSVOA_1

ClientSampleId :

VL1120ABL01

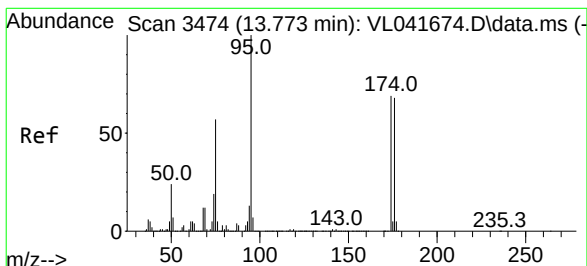
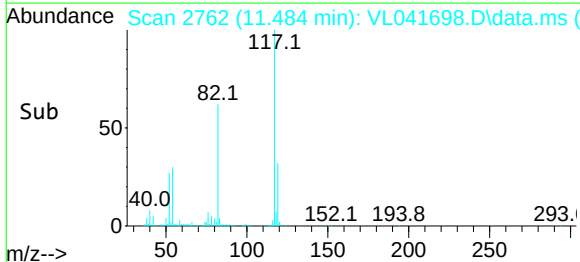
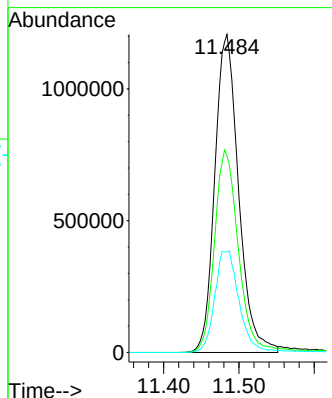
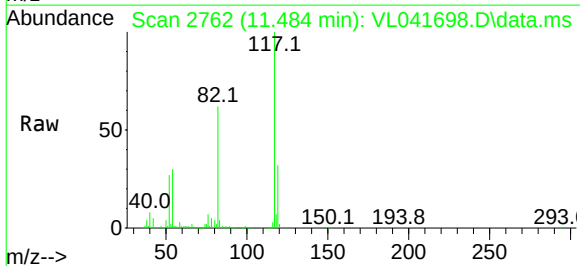
Tgt Ion:117 Resp: 2649975

Ion Ratio Lower Upper

117 100

82 65.2 49.8 74.8

119 33.5 24.2 36.4



#68

1-Bromo-4-Fluorobenzene

Concen: 9.899 ppbv

RT: 13.793 min Scan# 3480

Delta R.T. 0.019 min

Lab File: VL041698.D

Acq: 20 Nov 2024 12:36

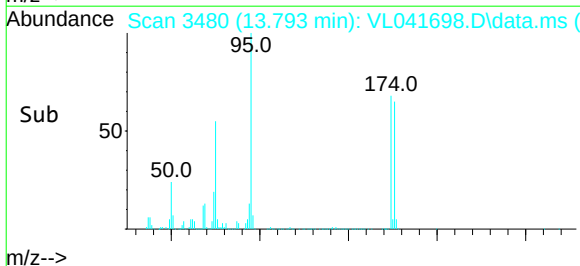
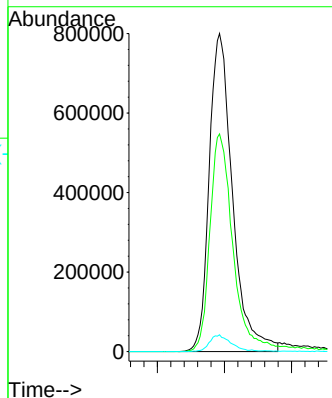
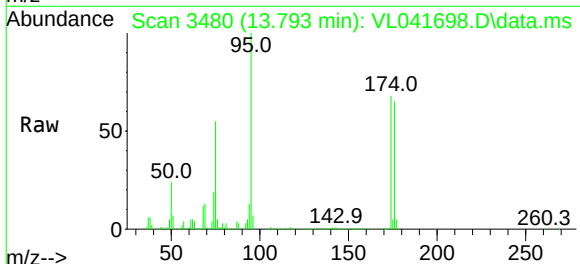
Tgt Ion: 95 Resp: 1932714

Ion Ratio Lower Upper

95 100

174 70.1 55.6 83.4

175 5.0 4.2 6.2



Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Air PT	Date Received:	
Client Sample ID:	VL1121ABL01	SDG No.:	P4633
Lab Sample ID:	VL1121ABL01	Matrix:	Air
Analytical Method:	TO-15	Test:	VOCMS Group3
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL041712.D	1		11/21/24 09:38	VL112124

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-45-6	Chlorodifluoromethane	0.090	0.32	U	0.32	1.77	ug/m3
75-71-8	Dichlorodifluoromethane	0.21	1.04	U	1.04	2.47	ug/m3
64-17-5	Ethanol	0.32	0.60	U	0.60	0.94	ug/m3
74-87-3	Chloromethane	0.10	0.21	U	0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	0.010	0.030	U	0.030	0.080	ug/m3
141-78-6	Ethyl Acetate	0.080	0.32	U	0.32	1.98	ug/m3
74-83-9	Bromomethane	0.14	0.54	U	0.54	1.94	ug/m3
75-00-3	Chloroethane	0.17	0.45	U	0.45	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.13	0.38	U	0.38	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.16	0.90	U	0.90	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.16	1.23	U	1.23	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.090	0.63	U	0.63	3.49	ug/m3
593-60-2	Bromoethene	0.12	0.52	U	0.52	2.19	ug/m3
115-07-1	Propene	0.15	0.26	U	0.26	0.86	ug/m3
75-65-0	tert-Butyl alcohol	0.19	0.58	U	0.58	1.52	ug/m3
142-82-5	Heptane	0.11	0.45	U	0.45	2.05	ug/m3
67-63-0	Isopropyl Alcohol	0.070	0.17	U	0.17	1.23	ug/m3
75-35-4	1,1-Dichloroethene	0.14	0.56	U	0.56	1.98	ug/m3
67-64-1	Acetone	0.24	0.57	U	0.57	1.19	ug/m3
75-15-0	Carbon Disulfide	0.16	0.50	U	0.50	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.12	0.43	U	0.43	1.80	ug/m3
75-09-2	Methylene Chloride	0.19	0.66	U	0.66	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.19	0.75	U	0.75	1.98	ug/m3
108-05-4	Vinyl Acetate	0.16	0.58	U	0.58	1.80	ug/m3
75-34-3	1,1-Dichloroethane	0.13	0.53	U	0.53	2.02	ug/m3
110-82-7	Cyclohexane	0.22	0.76	U	0.76	1.72	ug/m3
78-93-3	2-Butanone	0.12	0.35	U	0.35	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.010	0.060	U	0.060	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.090	0.36	U	0.36	1.98	ug/m3
67-66-3	Chloroform	0.080	0.39	U	0.39	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.010	0.050	U	0.050	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.10	0.47	U	0.47	2.34	ug/m3
71-43-2	Benzene	0.090	0.29	U	0.29	1.60	ug/m3
107-06-2	1,2-Dichloroethane	0.090	0.36	U	0.36	2.02	ug/m3
79-01-6	Trichloroethene	0.020	0.11	U	0.11	0.16	ug/m3

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Air PT	Date Received:	
Client Sample ID:	VL1121ABL01	SDG No.:	P4633
Lab Sample ID:	VL1121ABL01	Matrix:	Air
Analytical Method:	TO-15	Test:	VOCMS Group3
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL041712.D	1		11/21/24 09:38	VL112124

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
78-87-5	1,2-Dichloropropane	0.11	0.51	U	0.51	2.31	ug/m3
75-27-4	Bromodichloromethane	0.080	0.54	U	0.54	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.090	0.37	U	0.37	2.05	ug/m3
108-88-3	Toluene	0.11	0.41	U	0.41	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.060	0.27	U	0.27	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.060	0.27	U	0.27	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.070	0.38	U	0.38	2.73	ug/m3
591-78-6	2-Hexanone	0.080	0.33	U	0.33	2.04	ug/m3
124-48-1	Dibromochloromethane	0.070	0.60	U	0.60	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.070	0.54	U	0.54	0.77	ug/m3
127-18-4	Tetrachloroethene	0.020	0.14	U	0.14	0.20	ug/m3
108-90-7	Chlorobenzene	0.080	0.37	U	0.37	2.30	ug/m3
100-41-4	Ethyl Benzene	0.12	0.52	U	0.52	2.17	ug/m3
179601-23-1	m/p-Xylene	0.21	0.91	U	0.91	4.34	ug/m3
1330-20-7	Total Xylenes	0.33	1.43	U	1.43	6.52	ug/m3
95-47-6	o-Xylene	0.12	0.52	U	0.52	2.17	ug/m3
100-42-5	Styrene	0.11	0.47	U	0.47	2.13	ug/m3
75-25-2	Bromoform	0.060	0.62	U	0.62	5.17	ug/m3
98-82-8	Isopropylbenzene	0.090	0.44	U	0.44	2.46	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.010	0.070	U	0.070	0.21	ug/m3
95-49-8	2-Chlorotoluene	0.11	0.57	U	0.57	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.11	0.54	U	0.54	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.080	0.39	U	0.39	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.080	0.48	U	0.48	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.050	0.30	U	0.30	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.080	0.48	U	0.48	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.090	0.67	U	0.67	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.090	0.96	U	0.96	5.33	ug/m3
106-99-0	1,3-Butadiene	0.13	0.29	U	0.29	1.11	ug/m3
91-20-3	Naphthalene	0.080	0.42	U	0.42	0.52	ug/m3
622-96-8	4-Ethyltoluene	0.12	0.59	U	0.59	2.46	ug/m3
110-54-3	Hexane	0.11	0.39	U	0.39	1.76	ug/m3
107-05-1	Allyl Chloride	0.15	0.47	U	0.47	1.57	ug/m3
123-91-1	1,4-Dioxane	0.21	0.76	U	0.76	1.80	ug/m3
100-44-7	Benzyl Chloride	0.18	0.93	U	0.93	2.59	ug/m3
80-62-6	Methyl Methacrylate	0.090	0.37	U	0.37	2.05	ug/m3

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Air PT	Date Received:	
Client Sample ID:	VL1121ABL01	SDG No.:	P4633
Lab Sample ID:	VL1121ABL01	Matrix:	Air
Analytical Method:	TO-15	Test:	VOCMS Group3
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL041712.D	1		11/21/24 09:38	VL112124

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	9.80			65 - 135	98%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	1170000		5.221			
540-36-3	1,4-Difluorobenzene	3180000		6.68			
3114-55-4	Chlorobenzene-d5	2720000		11.49			

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112124\
 Data File : VL041712.D
 Acq On : 21 Nov 2024 9:38
 Operator : SY/MD
 Sample : VL1121ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1121ABL01

Quant Time: Nov 22 01:06:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Nov 22 01:00:55 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.221	49	1172035	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.680	114	3184705	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.497	117	2717854	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.809	95	1960450	9.790	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.900%

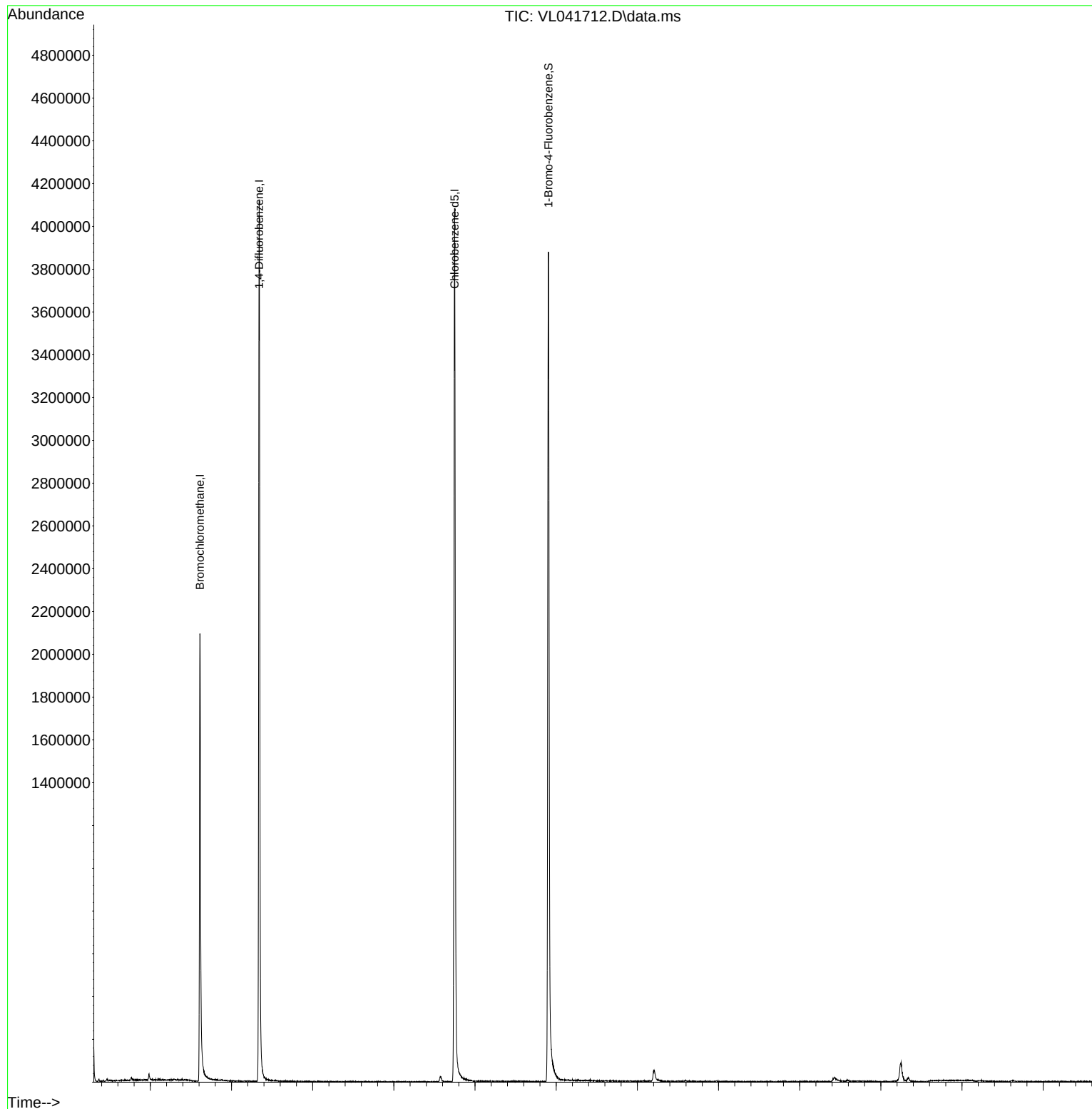
Target Compounds	Qvalue

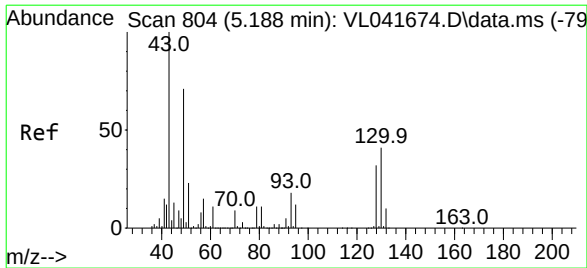
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112124\
Data File : VL041712.D
Acq On : 21 Nov 2024 9:38
Operator : SY/MD
Sample : VL1121ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL1121ABL01

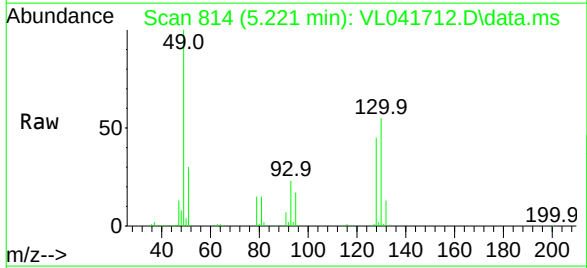
Quant Time: Nov 22 01:06:37 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Fri Nov 22 01:00:55 2024
Response via : Initial Calibration



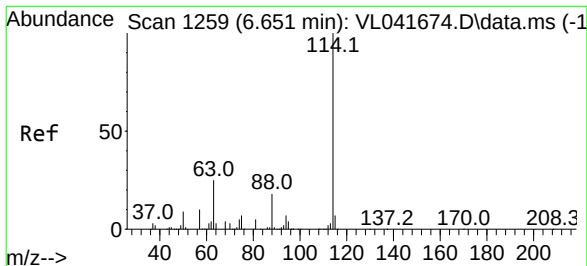
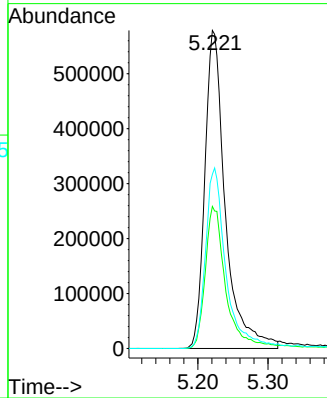
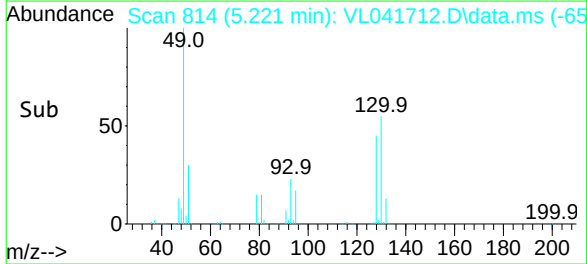


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.221 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL041712.D
Acq: 21 Nov 2024 9:38

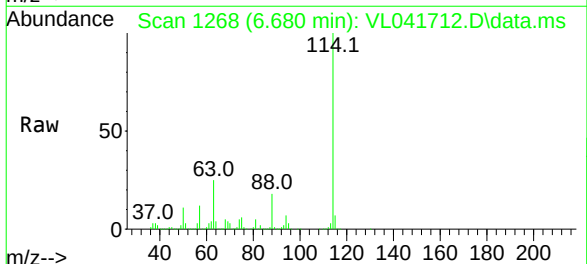
Instrument :
MSVOA_L
ClientSampleId :
VL1121ABL01



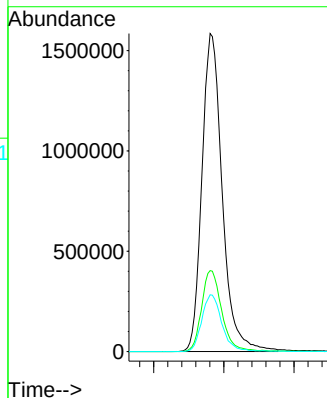
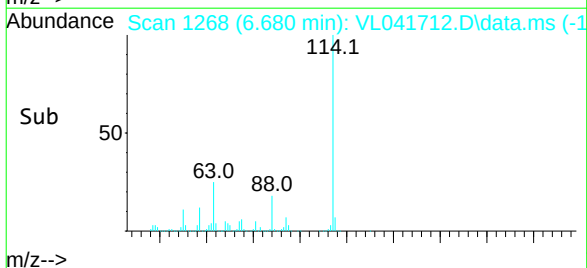
Tgt Ion: 49 Resp: 1172035
Ion Ratio Lower Upper
49 100
128 46.0 23.8 71.2
130 58.7 30.1 90.5

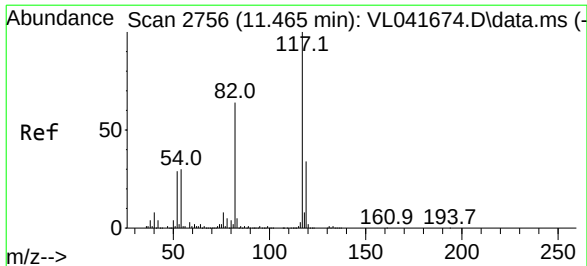


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.680 min Scan# 1268
Delta R.T. -0.003 min
Lab File: VL041712.D
Acq: 21 Nov 2024 9:38



Tgt Ion: 114 Resp: 3184705
Ion Ratio Lower Upper
114 100
63 25.5 20.3 30.5
88 17.9 14.2 21.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.497 min Scan# 27

Delta R.T. -0.000 min

Lab File: VL041712.D

Acq: 21 Nov 2024 9:38

Instrument :

MSVOA_L

ClientSampleId :

VL1121ABL01

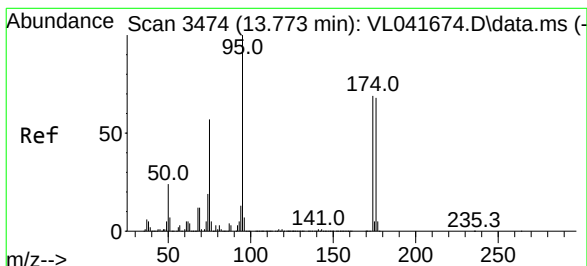
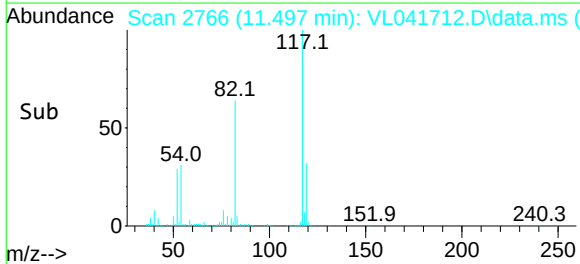
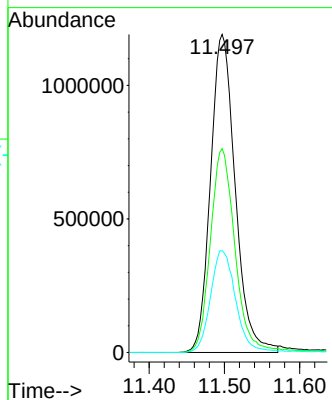
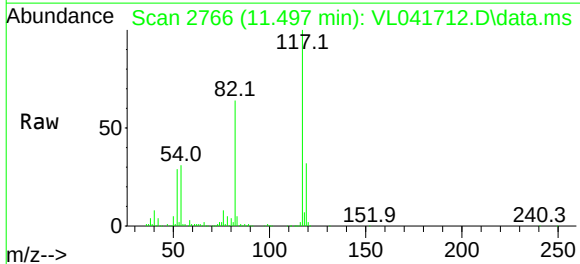
Tgt Ion:117 Resp: 2717854

Ion Ratio Lower Upper

117 100

82 65.0 49.8 74.8

119 33.4 24.2 36.4



#68

1-Bromo-4-Fluorobenzene

Concen: 9.790 ppbv

RT: 13.809 min Scan# 3485

Delta R.T. 0.003 min

Lab File: VL041712.D

Acq: 21 Nov 2024 9:38

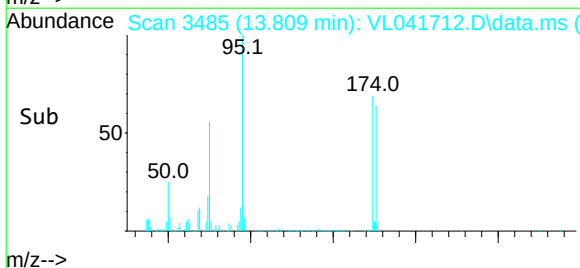
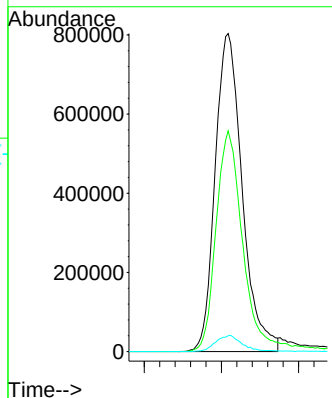
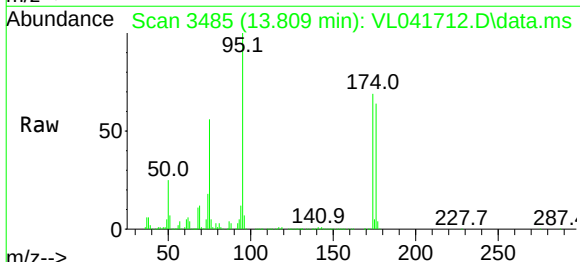
Tgt Ion: 95 Resp: 1960450

Ion Ratio Lower Upper

95 100

174 69.5 55.6 83.4

175 5.2 4.2 6.2



Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Air PT	Date Received:	
Client Sample ID:	VL1120ABS01	SDG No.:	P4633
Lab Sample ID:	VL1120ABS01	Matrix:	Air
Analytical Method:	TO-15	Test:	VOCMS Group3
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL041699.D	1		11/20/24 13:15	VL112024

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-45-6	Chlorodifluoromethane	8.90	31.5		0.32	1.77	ug/m3
75-71-8	Dichlorodifluoromethane	7.30	36.1		1.04	2.47	ug/m3
64-17-5	Ethanol	8.90	16.8		0.60	0.94	ug/m3
74-87-3	Chloromethane	9.30	19.2		0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	10.0	25.6		0.030	0.080	ug/m3
141-78-6	Ethyl Acetate	9.50	37.7		0.32	1.98	ug/m3
74-83-9	Bromomethane	9.50	36.9		0.54	1.94	ug/m3
75-00-3	Chloroethane	9.20	24.3		0.45	1.32	ug/m3
109-99-9	Tetrahydrofuran	10.3	30.4		0.38	1.47	ug/m3
75-69-4	Trichlorofluoromethane	9.40	52.8		0.90	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	9.40	72.0		1.23	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	9.00	62.9		0.63	3.49	ug/m3
593-60-2	Bromoethene	9.40	41.1		0.52	2.19	ug/m3
115-07-1	Propene	9.00	15.5		0.26	0.86	ug/m3
75-65-0	tert-Butyl alcohol	9.50	28.8		0.58	1.52	ug/m3
142-82-5	Heptane	10.3	42.2		0.45	2.05	ug/m3
67-63-0	Isopropyl Alcohol	9.10	22.4		0.17	1.23	ug/m3
75-35-4	1,1-Dichloroethene	9.50	37.7		0.56	1.98	ug/m3
67-64-1	Acetone	9.10	21.6		0.57	1.19	ug/m3
75-15-0	Carbon Disulfide	10.7	33.3		0.50	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	8.80	31.7		0.43	1.80	ug/m3
75-09-2	Methylene Chloride	8.90	30.9		0.66	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	9.50	37.7		0.75	1.98	ug/m3
108-05-4	Vinyl Acetate	9.20	33.1		0.58	1.80	ug/m3
75-34-3	1,1-Dichloroethane	9.30	37.6		0.53	2.02	ug/m3
110-82-7	Cyclohexane	9.80	33.7		0.76	1.72	ug/m3
78-93-3	2-Butanone	9.30	27.4		0.35	1.47	ug/m3
56-23-5	Carbon Tetrachloride	10.7	67.3		0.060	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	9.80	38.9		0.36	1.98	ug/m3
67-66-3	Chloroform	9.40	45.9		0.39	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	10.1	55.1		0.050	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	10.0	46.7		0.47	2.34	ug/m3
71-43-2	Benzene	10.0	31.9		0.29	1.60	ug/m3
107-06-2	1,2-Dichloroethane	9.70	39.3		0.36	2.02	ug/m3
79-01-6	Trichloroethene	10.6	57.0		0.11	0.16	ug/m3

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Air PT	Date Received:	
Client Sample ID:	VL1120ABS01	SDG No.:	P4633
Lab Sample ID:	VL1120ABS01	Matrix:	Air
Analytical Method:	TO-15	Test:	VOCMS Group3
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL041699.D	1		11/20/24 13:15	VL112024

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
78-87-5	1,2-Dichloropropane	9.80	45.3		0.51	2.31	ug/m3
75-27-4	Bromodichloromethane	10.2	68.3		0.54	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	10.5	43.0		0.37	2.05	ug/m3
108-88-3	Toluene	11.0	41.5		0.41	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	11.4	51.8		0.27	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	11.1	50.4		0.27	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	9.80	53.5		0.38	2.73	ug/m3
591-78-6	2-Hexanone	11.2	45.8		0.33	2.04	ug/m3
124-48-1	Dibromochloromethane	10.6	90.3		0.60	4.26	ug/m3
106-93-4	1,2-Dibromoethane	11.2	86.1		0.54	0.77	ug/m3
127-18-4	Tetrachloroethene	10.9	73.9		0.14	0.20	ug/m3
108-90-7	Chlorobenzene	9.30	42.8		0.37	2.30	ug/m3
100-41-4	Ethyl Benzene	10.7	46.5		0.52	2.17	ug/m3
179601-23-1	m/p-Xylene	20.5	89.0		0.91	4.34	ug/m3
1330-20-7	Total Xylenes	30.8	134		1.43	6.52	ug/m3
95-47-6	o-Xylene	10.3	44.7		0.52	2.17	ug/m3
100-42-5	Styrene	12.0	51.1		0.47	2.13	ug/m3
75-25-2	Bromoform	11.1	115		0.62	5.17	ug/m3
98-82-8	Isopropylbenzene	9.90	48.7		0.44	2.46	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	9.80	67.3		0.070	0.21	ug/m3
95-49-8	2-Chlorotoluene	10.4	53.9		0.57	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	10.5	51.6		0.54	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	10.0	49.2		0.39	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	9.90	59.5		0.48	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	9.90	59.5		0.30	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	9.80	58.9		0.48	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	10.5	77.9		0.67	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	8.30	88.5		0.96	5.33	ug/m3
106-99-0	1,3-Butadiene	9.90	21.9		0.29	1.11	ug/m3
91-20-3	Naphthalene	13.1	68.7		0.42	0.52	ug/m3
622-96-8	4-Ethyltoluene	10.8	53.1		0.59	2.46	ug/m3
110-54-3	Hexane	9.70	34.2		0.39	1.76	ug/m3
107-05-1	Allyl Chloride	9.90	31.0		0.47	1.57	ug/m3
123-91-1	1,4-Dioxane	10.6	38.2		0.76	1.80	ug/m3
100-44-7	Benzyl Chloride	11.2	58.0		0.93	2.59	ug/m3
80-62-6	Methyl Methacrylate	10.9	44.6		0.37	2.05	ug/m3

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Air PT	Date Received:	
Client Sample ID:	VL1120ABS01	SDG No.:	P4633
Lab Sample ID:	VL1120ABS01	Matrix:	Air
Analytical Method:	TO-15	Test:	VOCMS Group3
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL041699.D	1		11/20/24 13:15	VL112024

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	9.80			65 - 135	98%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	1160000		5.208			
540-36-3	1,4-Difluorobenzene	3240000		6.671			
3114-55-4	Chlorobenzene-d5	3240000		11.48			

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112024\
 Data File : VL041699.D
 Acq On : 20 Nov 2024 13:15
 Operator : SY/MD
 Sample : VL1120ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1120ABS01

Quant Time: Nov 21 05:09:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Fri Nov 08 01:01:00 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 11/21/2024
 Supervised By : Mahesh Dadoda 11/21/2024

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

Internal Standards						
1) Bromochloromethane	5.208	49	1163679	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.671	114	3239097	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.484	117	3236609m	10.000	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.793	95	2329378	9.768	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.700%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.745	85	1526580	7.258	ppbv	99
3) Chlorodifluoromethane	2.687	51	1354532	8.934	ppbv	99
4) Chloromethane	2.829	50	744862	9.275	ppbv	96
5) Vinyl Chloride	2.935	62	719166	9.955	ppbv	100
6) Bromomethane	3.134	94	362376	9.456	ppbv	99
7) Chloroethane	3.211	64	242910	9.213	ppbv	99
8) Dichlorotetrafluoroethane	2.870	85	1692833	9.016	ppbv	99
9) Propene	2.710	41	596424	9.028	ppbv	100
10) Heptane	7.594	43	1524430	10.297	ppbv	99
11) Trichlorofluoromethane	3.578	101	1716777	9.371	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.083	101	1253402	9.413	ppbv	99
13) Ethanol	3.263	45	35922m	8.880	ppbv	
14) Bromoethene	3.382	108	504396	9.423	ppbv	98
15) Acetone	3.481	43	1306457	9.122	ppbv	100
16) 1,3-Butadiene	2.999	39	715603	9.903	ppbv	100
17) tert-Butyl alcohol	3.893	59	1194748	9.507	ppbv	99
18) 1,1-Dichloroethene	3.893	96	557361	9.544	ppbv	94
19) Isopropyl Alcohol	3.591	45	622976	9.101	ppbv	98
20) Methylene Chloride	3.947	84	468186	8.884	ppbv	97
21) Allyl Chloride	4.012	41	874140	9.878	ppbv	99
22) trans-1,2-Dichloroethene	4.462	96	552930	9.522	ppbv	96
23) Vinyl Acetate	4.642	43	578556	9.164	ppbv	99
24) 1,1-Dichloroethane	4.578	63	1200413	9.261	ppbv	99
25) Ethyl Acetate	5.221	43	2817969	9.506	ppbv	100
26) Hexane	5.227	57	1108983	9.737	ppbv	99
27) Carbon Disulfide	4.140	76	1366173	10.677	ppbv	100
28) Methyl tert-Butyl Ether	4.600	73	647293	8.826	ppbv	99
29) Chloroform	5.291	83	1773915	9.436	ppbv	100
30) Cyclohexane	6.619	84	951807	9.815	ppbv	99
31) cis-1,2-Dichloroethene	5.095	61	1074877	9.810	ppbv	99
32) 1,1,1-Trichloroethane	6.018	97	1728793	10.080	ppbv	99
34) 2-Butanone	4.800	43	1501583	9.310	ppbv	99
35) Carbon Tetrachloride	6.510	117	1826480	10.688	ppbv	99
36) Benzene	6.388	78	2387291	9.947	ppbv	99
37) 1,2-Dichloroethane	5.822	62	1319263	9.744	ppbv	99
38) Trichloroethene	7.307	130	980257	10.635	ppbv	99
39) 1,2-Dichloropropane	7.092	63	925581	9.759	ppbv	98
40) 1,4-Dioxane	7.301	88	360556	10.596	ppbv	99
41) Tetrahydrofuran	5.571	42	944780	10.257	ppbv	99
42) Bromodichloromethane	7.269	83	1909198	10.147	ppbv	99
43) Methyl Methacrylate	7.491	69	920452	10.923	ppbv	99
44) 2,2,4-Trimethylpentane	7.343	57	4048166	9.958	ppbv	100
45) t-1,3-Dichloropropene	8.729	75	880781	11.439	ppbv	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112024\
 Data File : VL041699.D
 Acq On : 20 Nov 2024 13:15
 Operator : SY/MD
 Sample : VL1120ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1120ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/21/2024
 Supervised By : Mahesh Dadoda 11/21/2024

Quant Time: Nov 21 05:09:19 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Nov 08 01:01:00 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.160	75	1226432	11.089	ppbv	97
47) 1,1,2-Trichloroethane	8.918	97	1003450	9.776	ppbv	98
48) Dibromochloromethane	9.729	129	1658425	10.628	ppbv	100
49) Bromoform	12.423	173	1485005	11.123	ppbv	100
50) 4-Methyl-2-Pentanone	8.198	43	2593146	10.473	ppbv	100
51) 2-Hexanone	9.568	43	2018735	11.196	ppbv	99
52) Tetrachloroethene	10.632	164	887903	10.856	ppbv	98
53) Toluene	9.237	91	2780287	11.016	ppbv	99
54) 1,2-Dibromoethane	10.028	107	1343883	11.206	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.526	131	1272657	9.534	ppbv	99
57) Chlorobenzene	11.542	112	2224042	9.291	ppbv	98
58) Ethyl Benzene	12.105	91	3779084	10.650	ppbv	99
59) m/p-Xylene	12.391	91	6496748m	20.446	ppbv	
60) o-Xylene	13.076	91	3111959	10.271	ppbv	100
61) Styrene	12.915	104	1503740	12.024	ppbv	100
62) Isopropylbenzene	14.047	105	4628133	9.890	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.066	83	2179613	9.779	ppbv	100
64) n-propylbenzene	14.931	120	1264315	10.321	ppbv	99
65) tert-Butylbenzene	16.108	119	4185885	9.953	ppbv	100
66) Benzyl Chloride	16.349	91	362387m	11.200	ppbv	
67) sec-Butylbenzene	16.651	105	5912468	9.974	ppbv	100
69) p-Isopropyltoluene	17.011	119	4955798	10.341	ppbv	100
70) n-Butylbenzene	17.902	91	5094738	10.390	ppbv	100
71) 2-Chlorotoluene	14.818	91	3506297	10.366	ppbv	100
72) 4-Ethyltoluene	15.211	105	3790505	10.760	ppbv	99
73) 1,3,5-Trimethylbenzene	15.368	105	3243824	10.494	ppbv	99
74) 1,2,4-Trimethylbenzene	16.124	105	3596562	10.016	ppbv	99
75) 1,3-Dichlorobenzene	16.349	146	2210855	9.942	ppbv	99
76) 1,4-Dichlorobenzene	16.490	146	2115126	9.858	ppbv	99
77) 1,2-Dichlorobenzene	17.162	146	2154411	9.780	ppbv	100
78) Hexachloro-1,3-Butadiene	22.651	225	1448199	8.312	ppbv	100
79) Naphthalene	21.403	128	2907132	13.117	ppbv	100
80) Naphthalene,2-methyl-	24.390	142	514199	10.643	ppbv	93
81) 1,2,4-Trichlorobenzene	21.159	180	1465322	10.513	ppbv	100

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

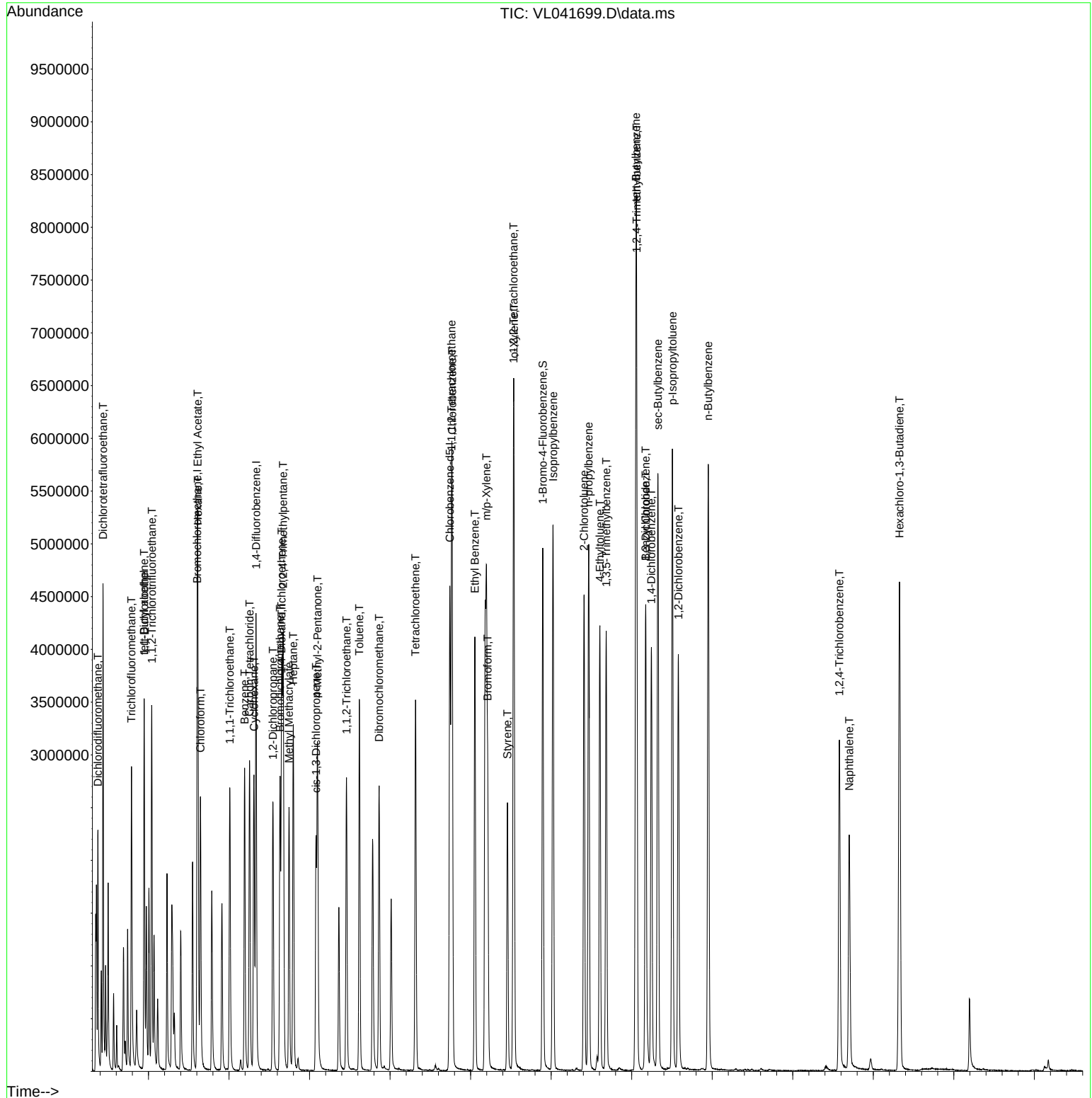
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Acq On : 20 Nov 2024 13:15
Operator : SY/MD
Sample : VL1120ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

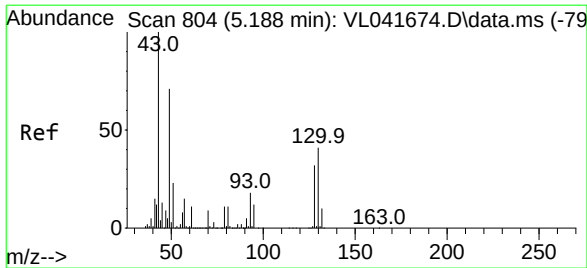
Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Manual Integrations
APPROVED

Reviewed By : Semsettin Yesilyurt 11/21/2024
Supervised By : Mahesh Dadoda 11/21/2024

Quant Time: Nov 21 05:09:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Nov 08 01:01:00 2024
Response via : Initial Calibration





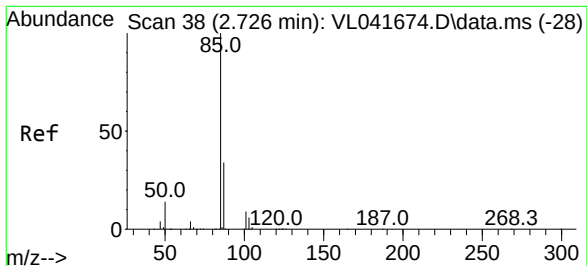
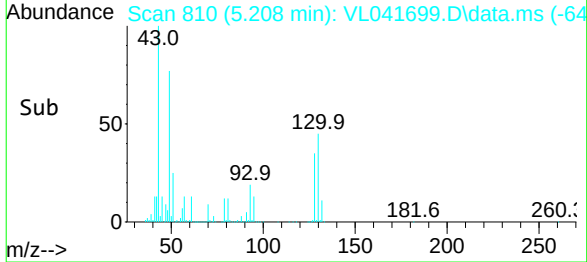
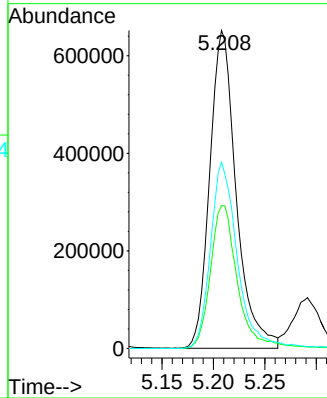
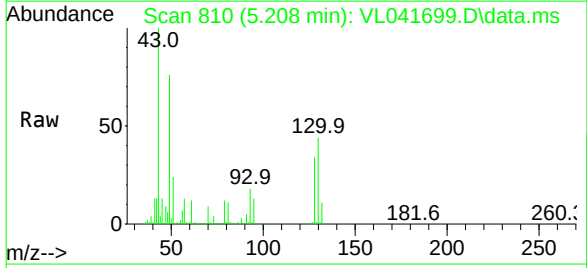
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.208 min Scan# 81
Delta R.T. 0.020 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion: 49 Resp: 1163679
Ion Ratio Lower Upper
49 100
128 46.8 23.8 71.2
130 60.1 30.1 90.5

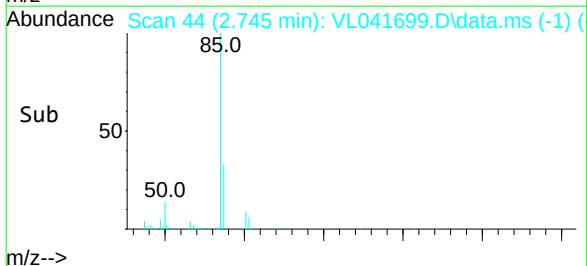
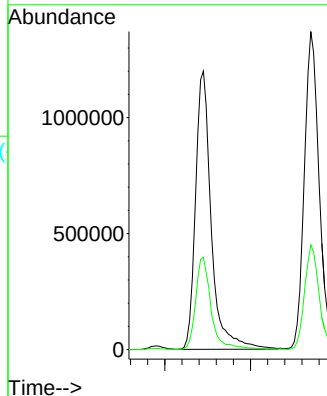
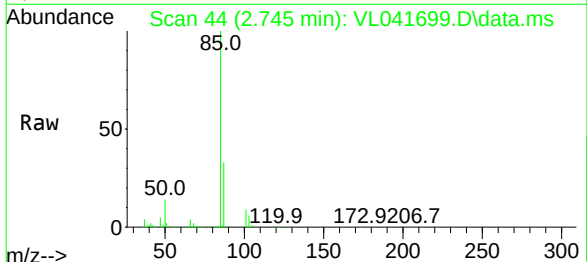
Manual Integrations
APPROVED

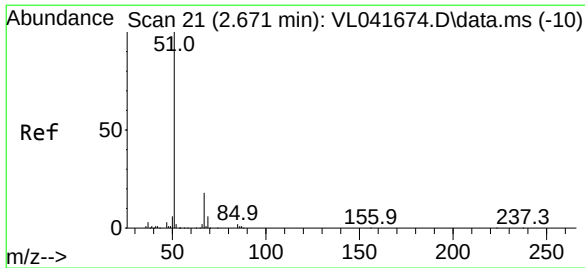
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



#2
Dichlorodifluoromethane
Concen: 7.258 ppbv
RT: 2.745 min Scan# 44
Delta R.T. 0.019 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

Tgt Ion: 85 Resp: 1526580
Ion Ratio Lower Upper
85 100
87 33.1 26.8 40.2





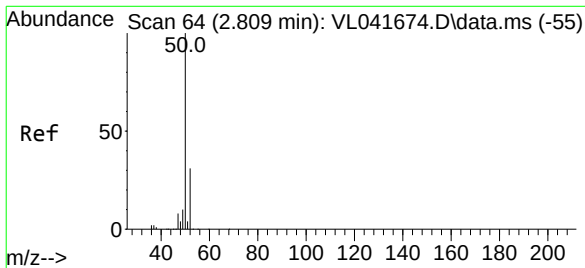
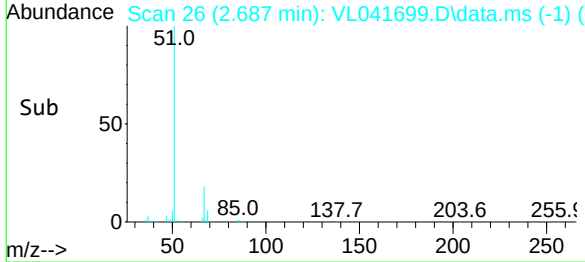
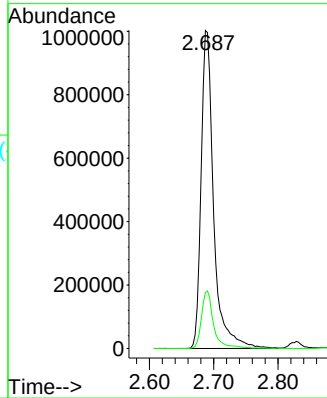
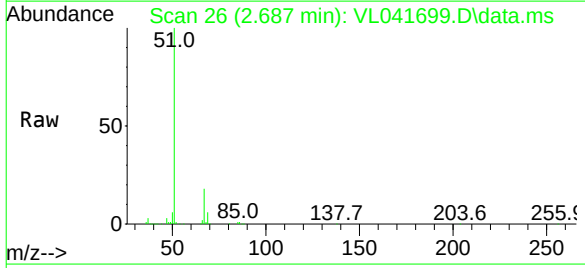
#3
Chlorodifluoromethane
Concen: 8.934 ppbv
RT: 2.687 min Scan# 26
Delta R.T. 0.016 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion: 51 Resp: 1354532
Ion Ratio Lower Upper
51 100
67 17.7 13.9 20.9

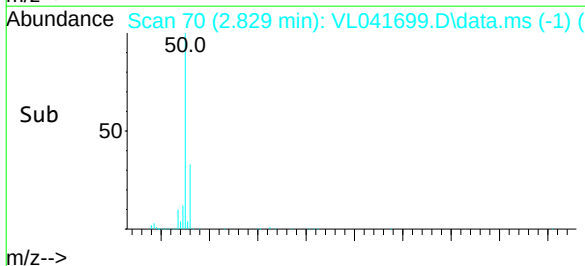
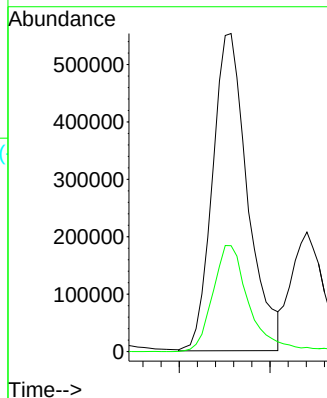
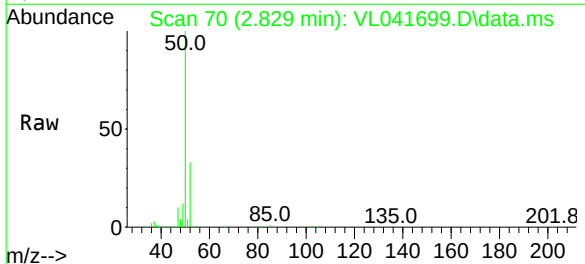
Manual Integrations
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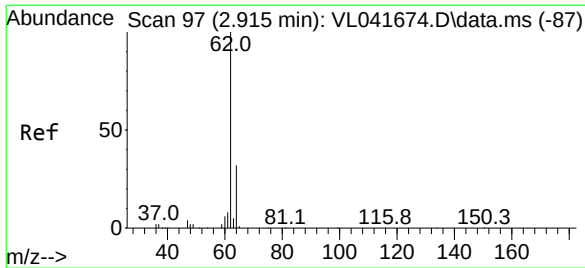
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



#4
Chloromethane
Concen: 9.275 ppbv
RT: 2.829 min Scan# 70
Delta R.T. 0.019 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

Tgt Ion: 50 Resp: 744862
Ion Ratio Lower Upper
50 100
52 33.4 24.9 37.3





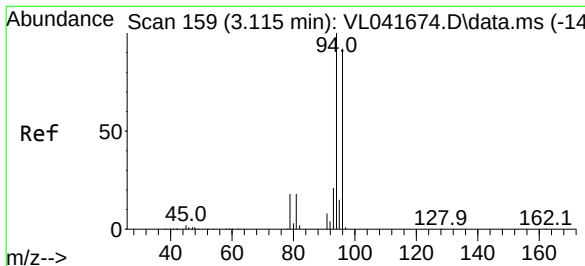
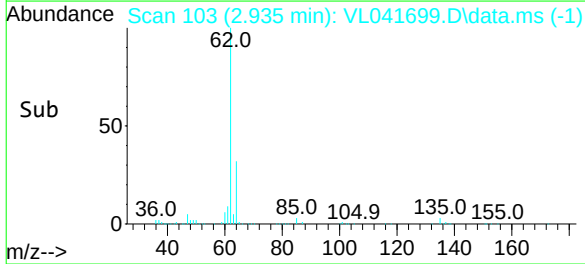
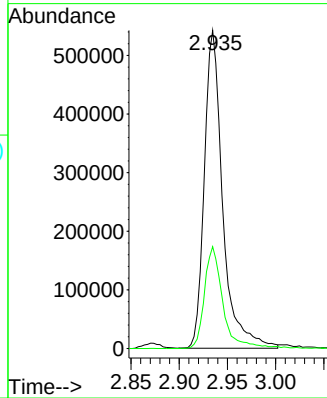
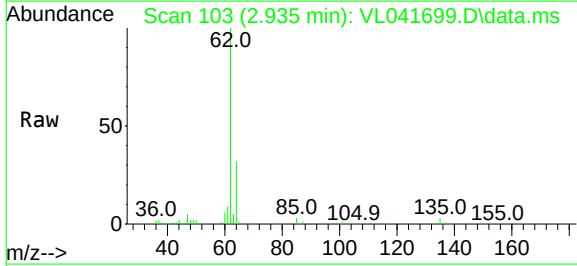
#5
 Vinyl Chloride
 Concen: 9.955 ppbv
 RT: 2.935 min Scan# 10
 Delta R.T. 0.019 min
 Lab File: VL041699.D
 Acq: 20 Nov 2024 13:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1120ABS01

Tgt Ion: 62 Resp: 719166
 Ion Ratio Lower Upper
 62 100
 64 32.0 25.4 38.2

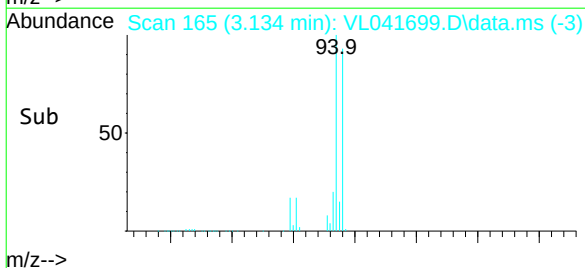
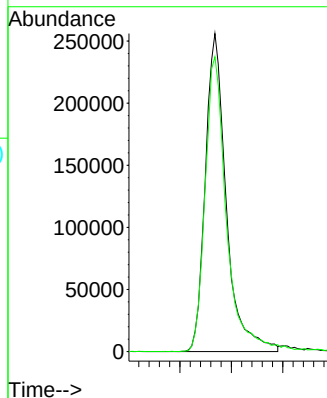
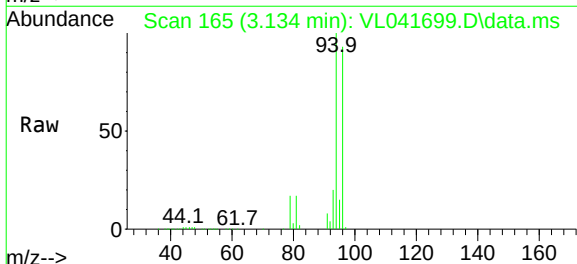
Manual Integrations
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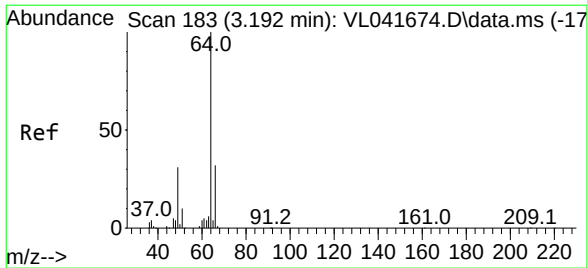
Reviewed By :Semsettin Yesilyurt 11/21/2024
 Supervised By :Mahesh Dadoda 11/21/2024



#6
 Bromomethane
 Concen: 9.456 ppbv
 RT: 3.134 min Scan# 165
 Delta R.T. 0.019 min
 Lab File: VL041699.D
 Acq: 20 Nov 2024 13:15

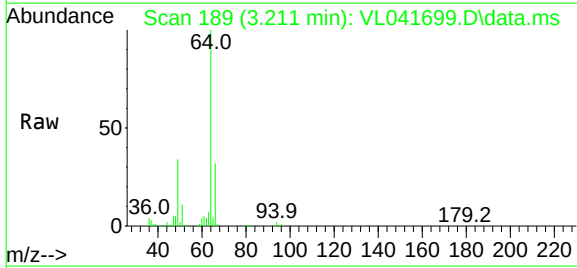
Tgt Ion: 94 Resp: 362376
 Ion Ratio Lower Upper
 94 100
 96 92.7 73.4 110.2





#7
Chloroethane
Concen: 9.213 ppbv
RT: 3.211 min Scan# 18
Delta R.T. 0.019 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

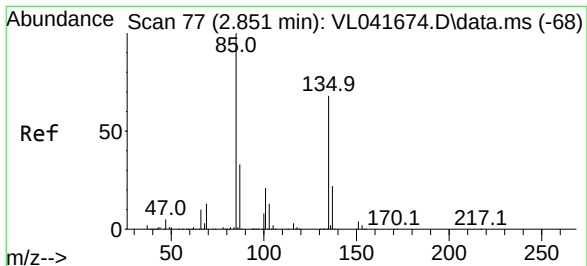
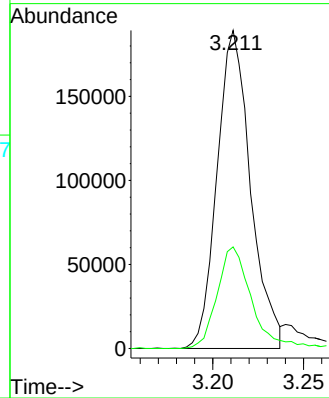
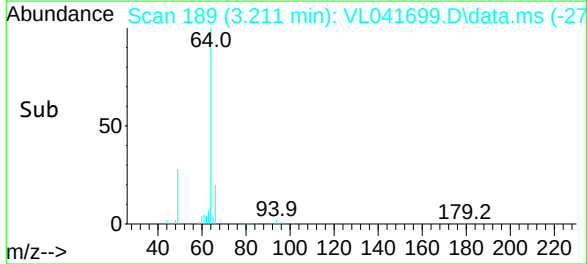
Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01



Tgt Ion: 64 Resp: 242916
Ion Ratio Lower Upper
64 100
66 31.9 25.9 38.9

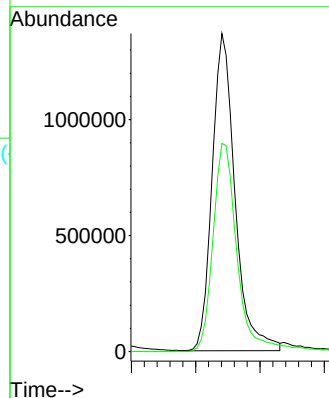
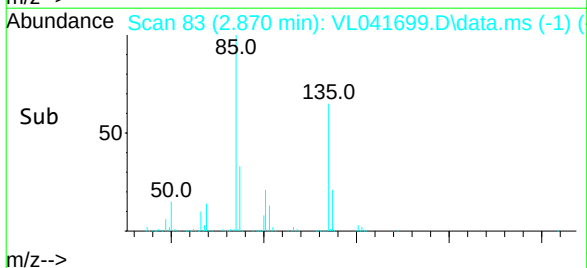
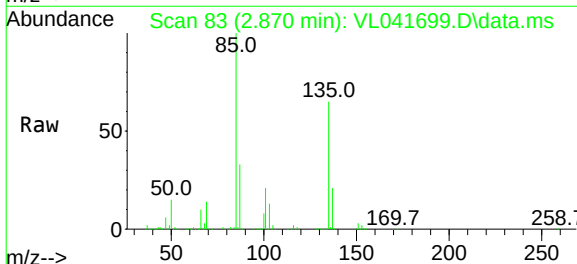
Manual Integrations
APPROVED

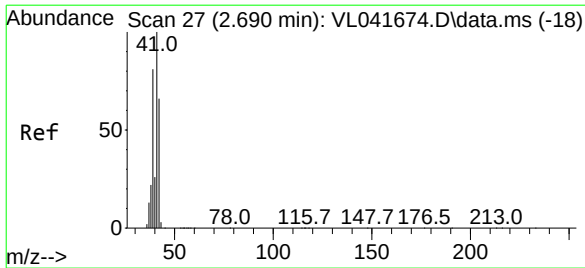
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



#8
Dichlorotetrafluoroethane
Concen: 9.016 ppbv
RT: 2.870 min Scan# 83
Delta R.T. 0.019 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

Tgt Ion: 85 Resp: 1692833
Ion Ratio Lower Upper
85 100
135 70.2 55.5 83.3





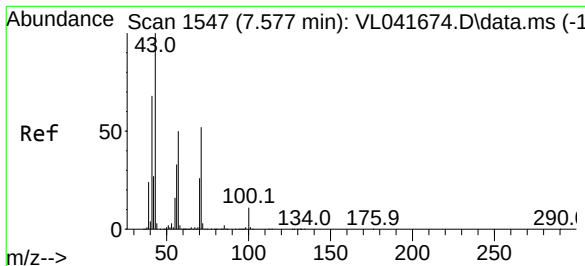
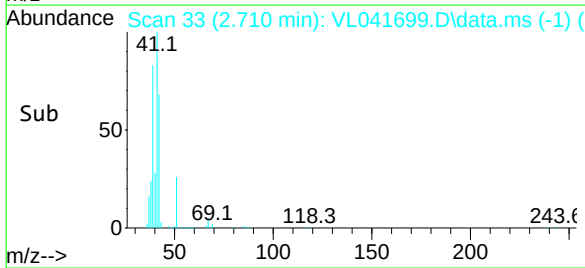
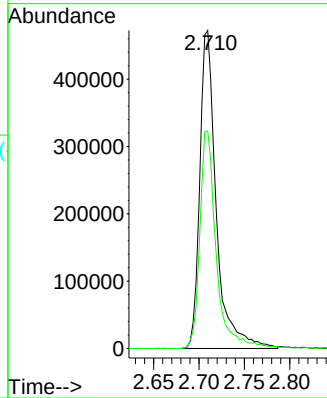
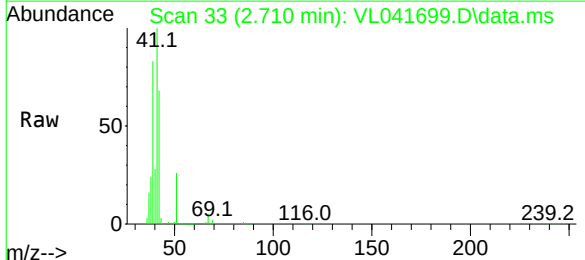
#9
Propene
Concen: 9.028 ppbv
RT: 2.710 min Scan# 33
Delta R.T. 0.019 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion: 41 Resp: 596424
Ion Ratio Lower Upper
41 100
42 68.5 55.0 82.4

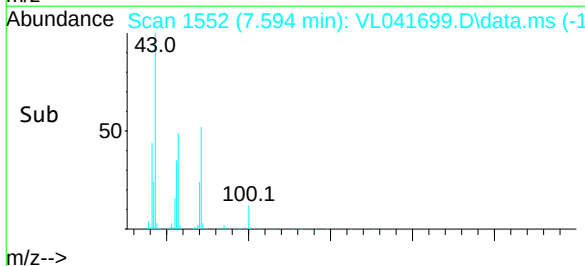
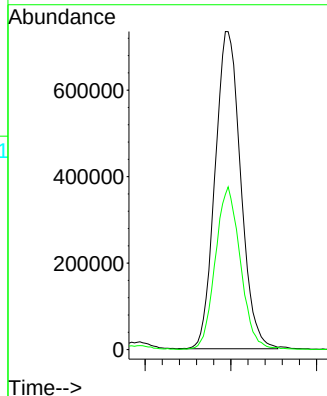
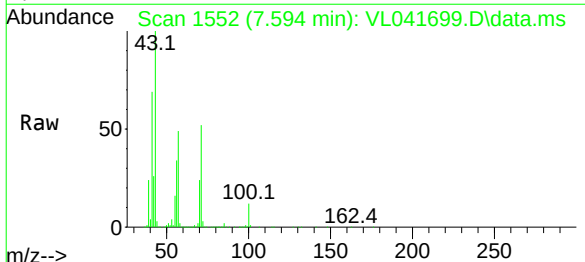
Manual Integrations
APPROVED

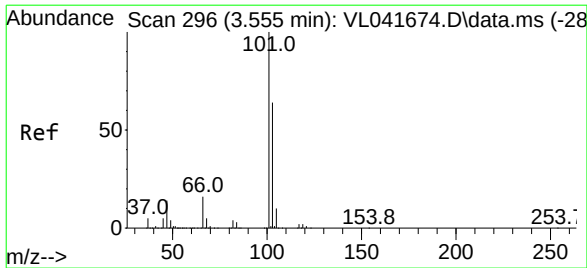
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



#10
Heptane
Concen: 10.297 ppbv
RT: 7.594 min Scan# 1552
Delta R.T. 0.016 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

Tgt Ion: 43 Resp: 1524430
Ion Ratio Lower Upper
43 100
57 50.3 40.0 60.0





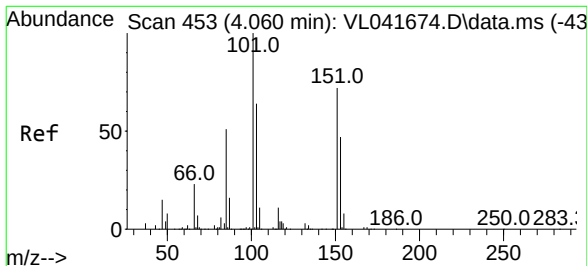
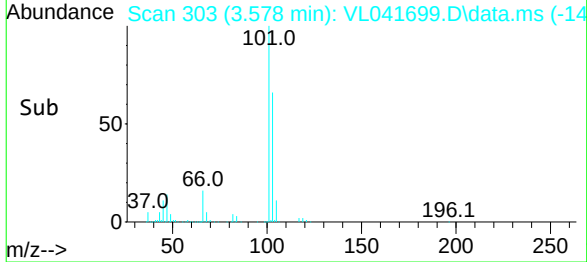
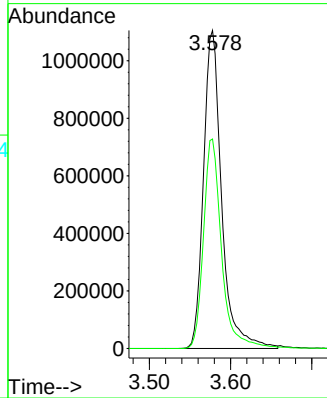
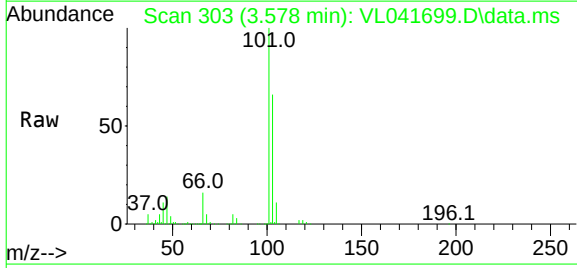
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 Trichlorofluoromethane
 Concen: 9.371 ppbv
 RT: 3.578 min Scan# 30
 Delta R.T. 0.023 min
 Lab File: VL041699.D
 Acq: 20 Nov 2024 13:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1120ABS01

Tgt Ion:101 Resp: 1716777
 Ion Ratio Lower Upper
 101 100
 103 65.9 51.0 76.6

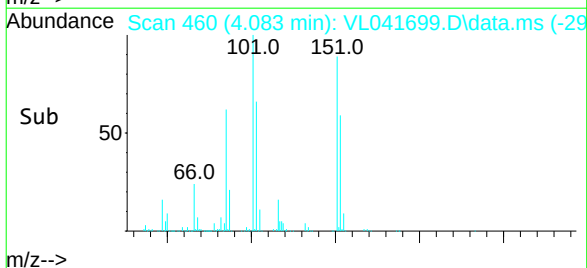
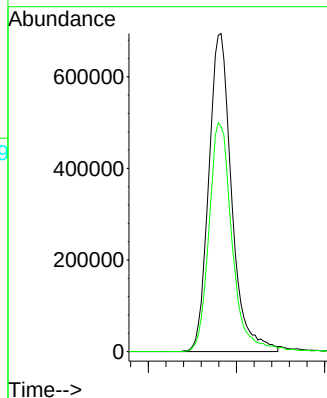
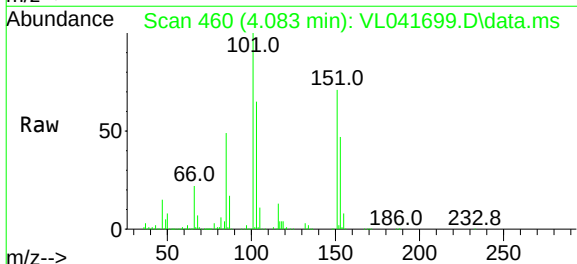
Manual Integrations
 APPROVED

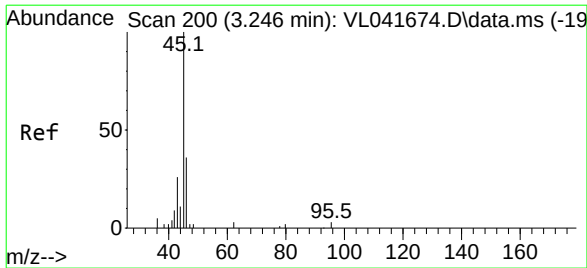
Reviewed By :Semsettin Yesilyurt 11/21/2024
 Supervised By :Mahesh Dadoda 11/21/2024



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.413 ppbv
 RT: 4.083 min Scan# 460
 Delta R.T. 0.023 min
 Lab File: VL041699.D
 Acq: 20 Nov 2024 13:15

Tgt Ion:101 Resp: 1253402
 Ion Ratio Lower Upper
 101 100
 151 73.0 59.1 88.7





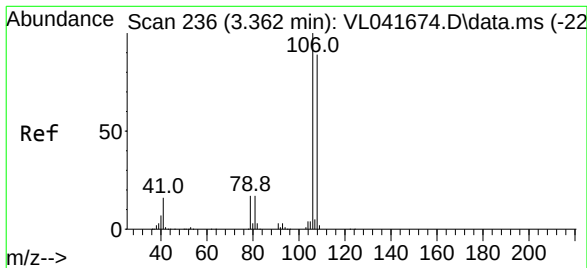
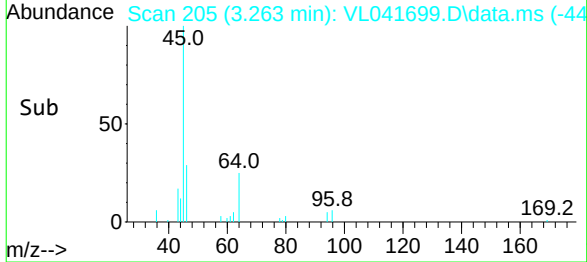
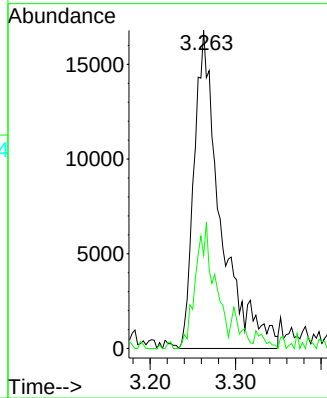
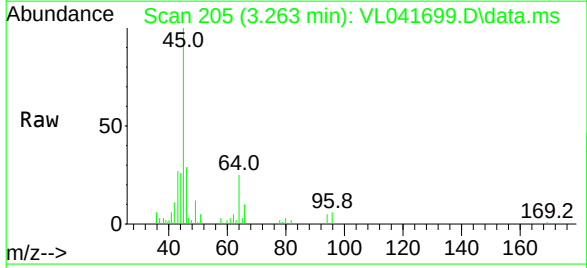
#13
Ethanol
Concen: 8.880 ppbv m
RT: 3.263 min Scan# 20
Delta R.T. 0.016 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion: 45 Resp: 35922
Ion Ratio Lower Upper
45 100
46 36.5 13.8 55.2

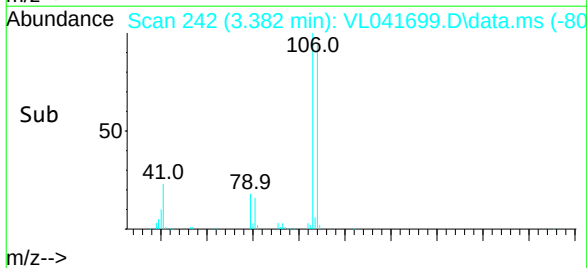
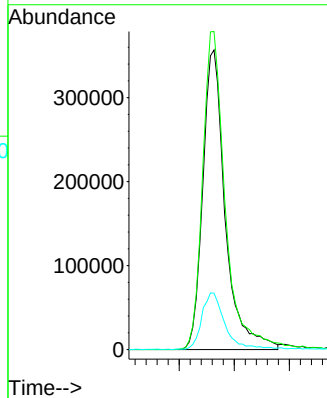
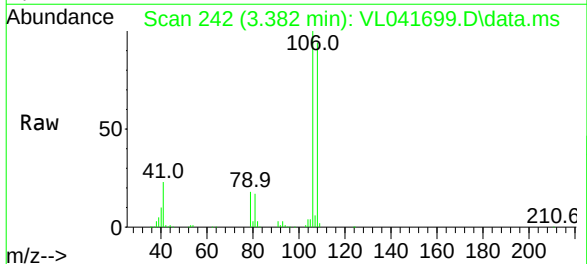
Manual Integrations
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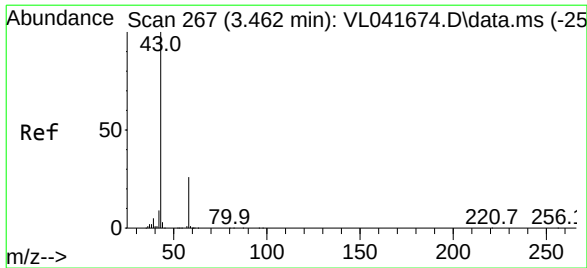
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



#14
Bromoethene
Concen: 9.423 ppbv
RT: 3.382 min Scan# 242
Delta R.T. 0.019 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

Tgt Ion:108 Resp: 504396
Ion Ratio Lower Upper
108 100
106 109.3 88.6 133.0
79 20.4 15.6 23.4





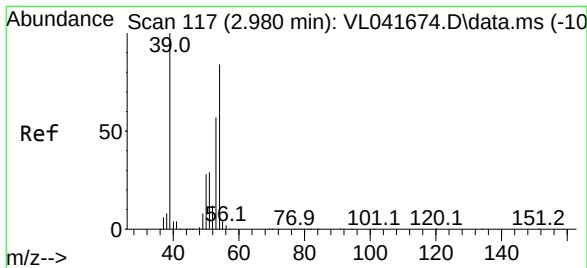
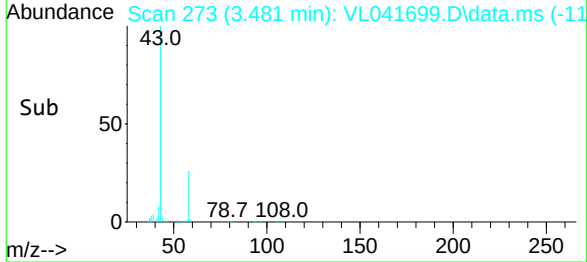
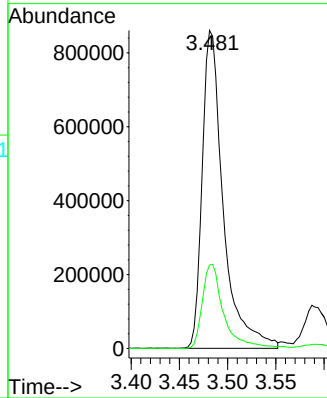
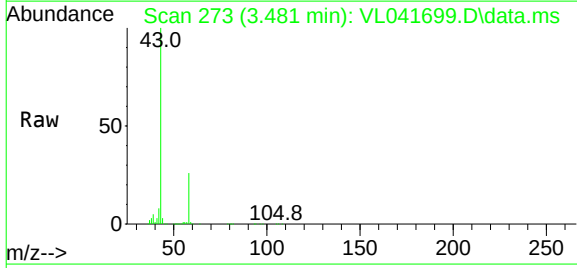
#15
Acetone
Concen: 9.122 ppbv
RT: 3.481 min Scan# 27
Delta R.T. 0.019 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion: 43 Resp: 1306457
Ion Ratio Lower Upper
43 100
58 26.9 21.4 32.0

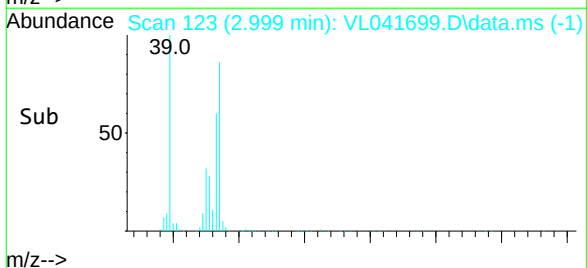
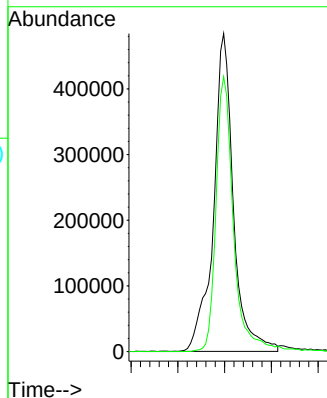
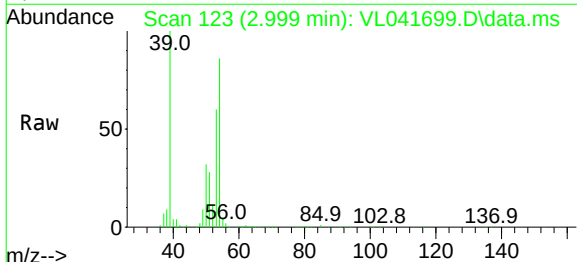
Manual Integrations
APPROVED

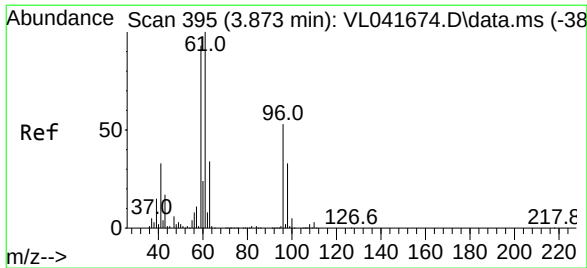
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



#16
1,3-Butadiene
Concen: 9.903 ppbv
RT: 2.999 min Scan# 123
Delta R.T. 0.019 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

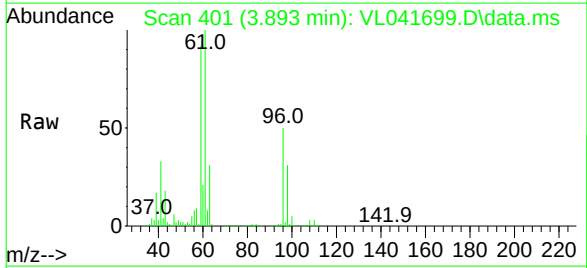
Tgt Ion: 39 Resp: 715603
Ion Ratio Lower Upper
39 100
54 76.6 61.3 91.9





#17
tert-Butyl alcohol
Concen: 9.507 ppbv
RT: 3.893 min Scan# 401
Delta R.T. 0.019 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

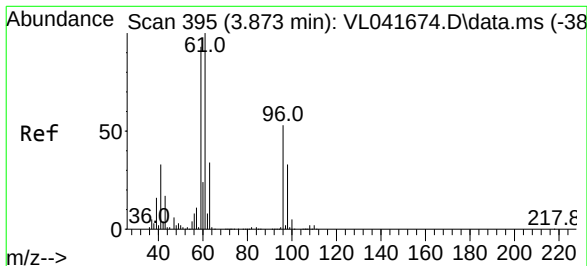
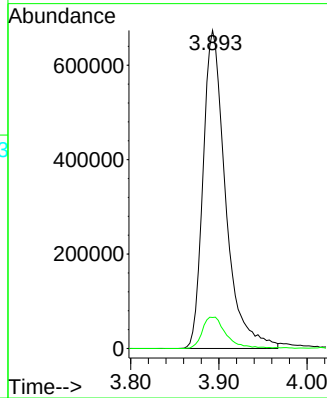
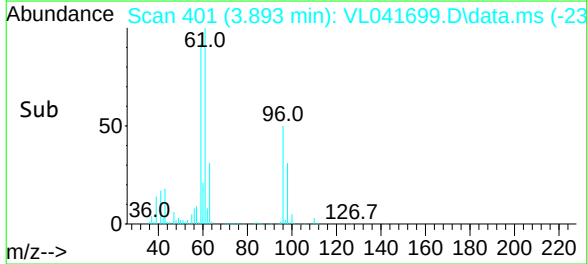
Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01



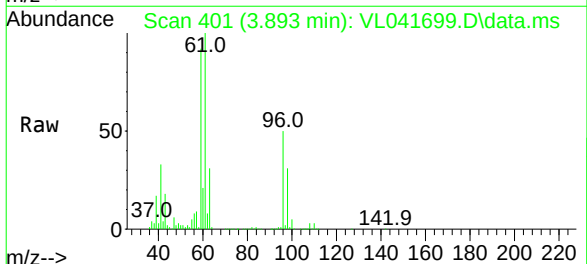
Tgt Ion: 59 Resp: 1194748
Ion Ratio Lower Upper
59 100
57 10.9 8.5 12.7

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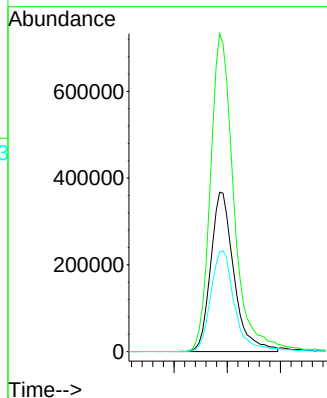
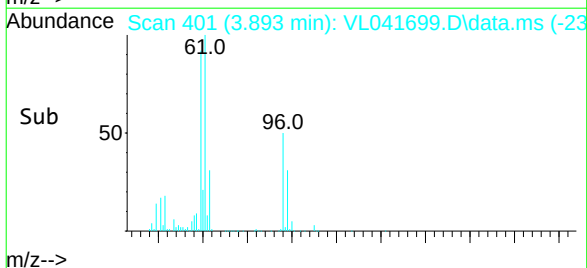
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024

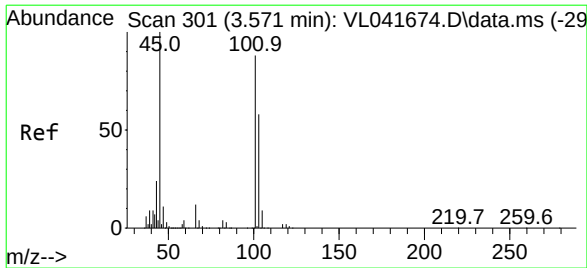


#18
1,1-Dichloroethene
Concen: 9.544 ppbv
RT: 3.893 min Scan# 401
Delta R.T. 0.019 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15



Tgt Ion: 96 Resp: 557361
Ion Ratio Lower Upper
96 100
61 199.5 150.7 226.1
98 62.5 49.4 74.2





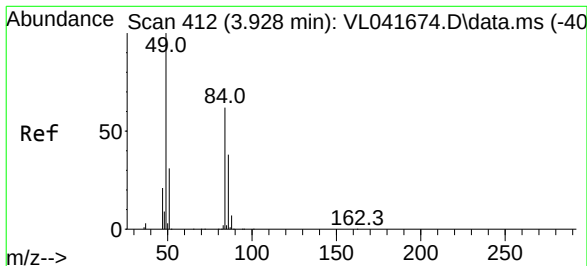
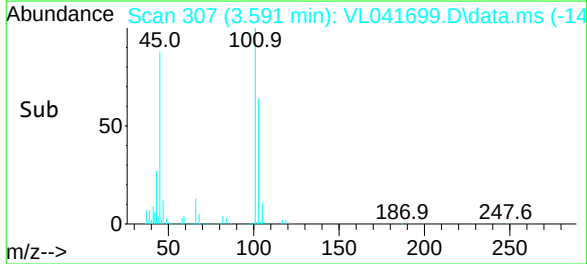
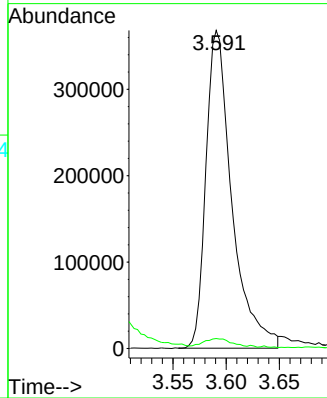
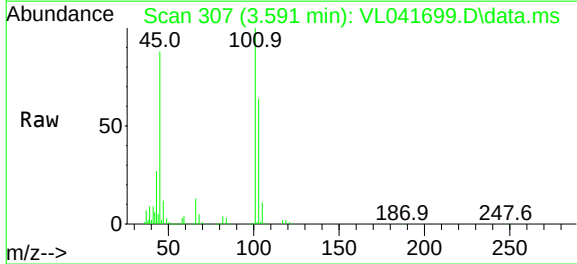
#19
Isopropyl Alcohol
Concen: 9.101 ppbv
RT: 3.591 min Scan# 301
Delta R.T. 0.019 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion: 45 Resp: 622976
Ion Ratio Lower Upper
45 100
58 3.7 2.5 3.7

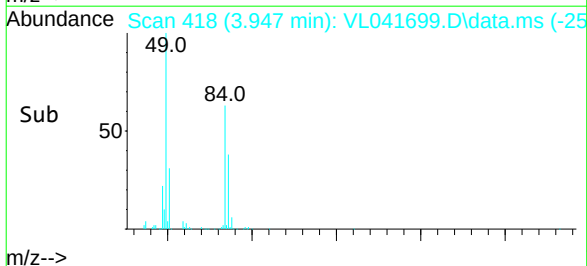
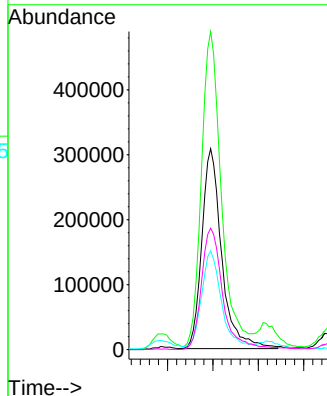
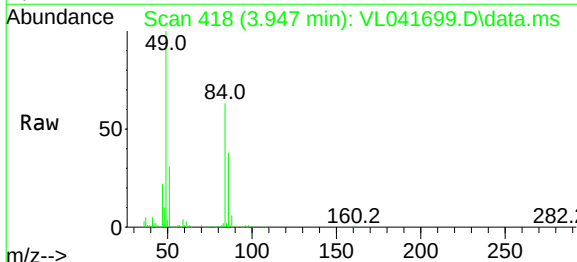
Manual Integrations
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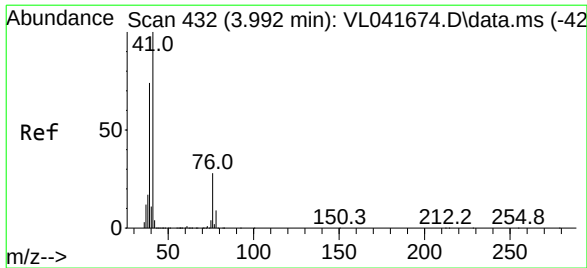
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



#20
Methylene Chloride
Concen: 8.884 ppbv
RT: 3.947 min Scan# 418
Delta R.T. 0.019 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

Tgt Ion: 84 Resp: 468186
Ion Ratio Lower Upper
84 100
49 156.7 129.7 194.5
51 47.0 39.8 59.6
86 60.7 49.1 73.7





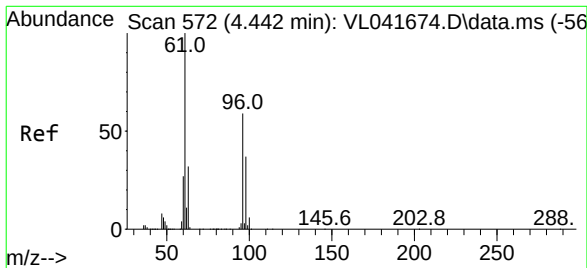
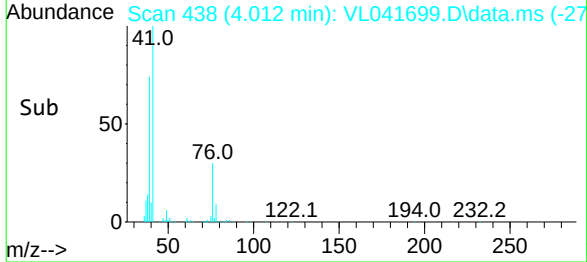
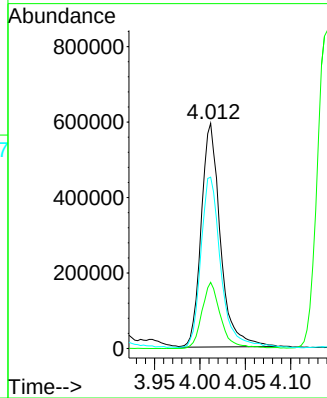
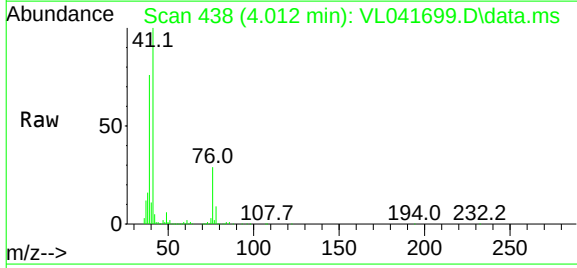
#21
 Allyl Chloride
 Concen: 9.878 ppbv
 RT: 4.012 min Scan# 43
 Delta R.T. 0.019 min
 Lab File: VL041699.D
 Acq: 20 Nov 2024 13:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1120ABS01

Tgt Ion: 41 Resp: 874140
 Ion Ratio Lower Upper
 41 100
 76 29.3 23.5 35.3
 39 79.8 63.0 94.4

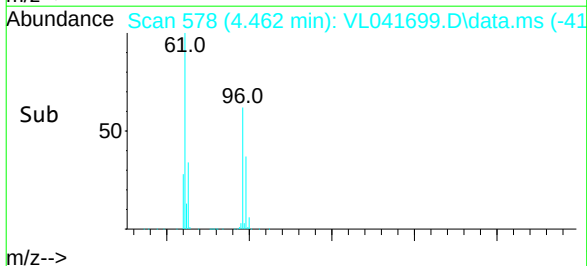
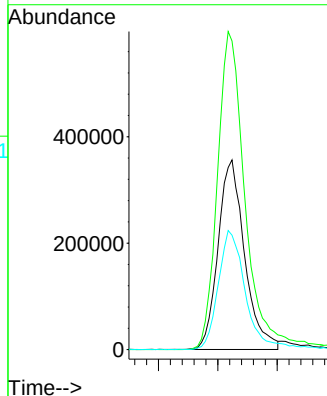
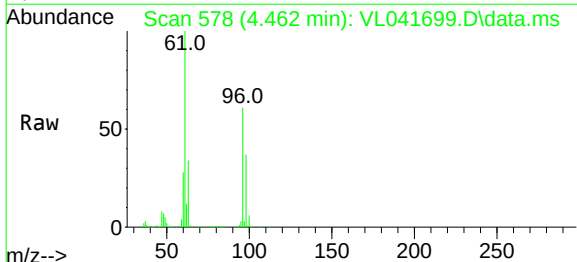
Manual Integrations
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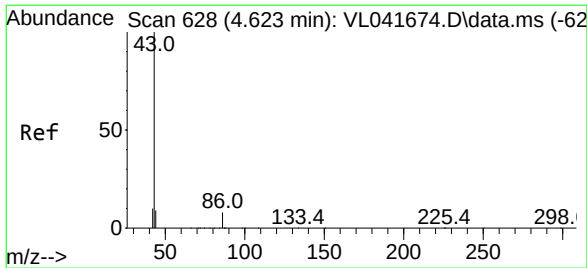
Reviewed By :Semsettin Yesilyurt 11/21/2024
 Supervised By :Mahesh Dadoda 11/21/2024



#22
 trans-1,2-Dichloroethene
 Concen: 9.522 ppbv
 RT: 4.462 min Scan# 578
 Delta R.T. 0.019 min
 Lab File: VL041699.D
 Acq: 20 Nov 2024 13:15

Tgt Ion: 96 Resp: 552930
 Ion Ratio Lower Upper
 96 100
 61 162.7 134.5 201.7
 98 60.2 49.6 74.4





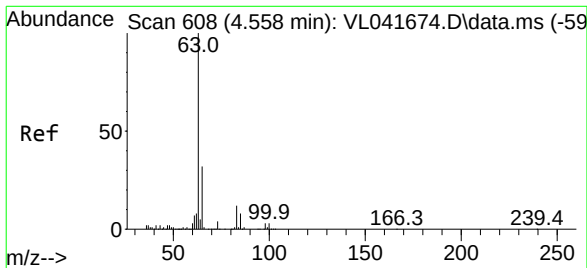
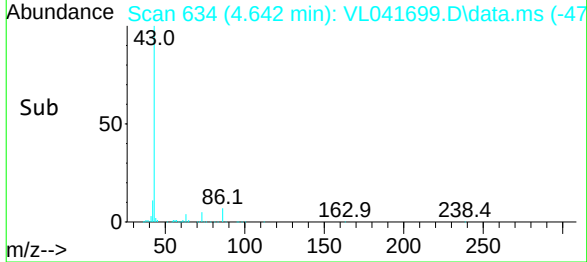
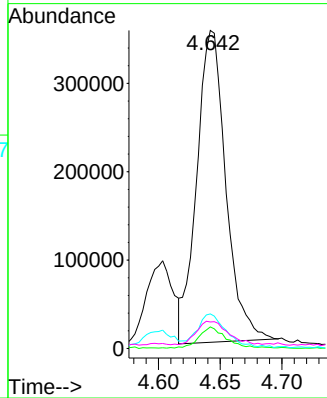
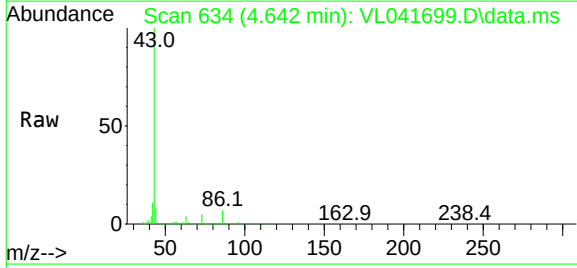
#23
Vinyl Acetate
Concen: 9.164 ppbv
RT: 4.642 min Scan# 63
Delta R.T. 0.019 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion: 43	Resp: 578556
Ion Ratio	Lower Upper
43 100	
86 6.8	5.3 7.9
42 10.6	8.5 12.7
44 7.3	6.7 10.1

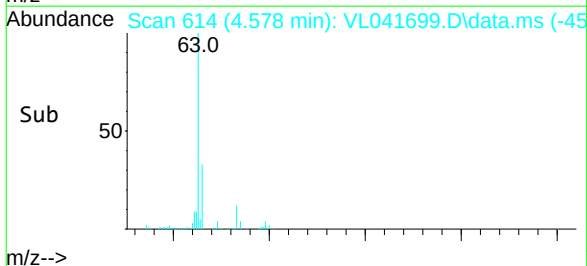
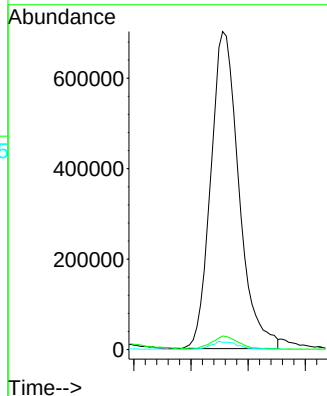
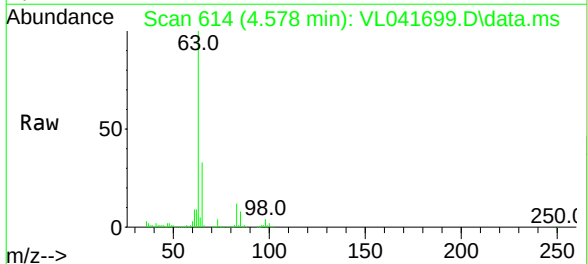
Manual Integrations
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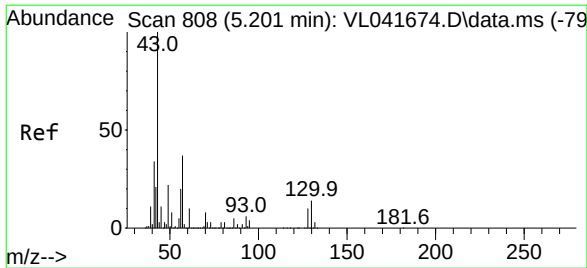
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



#24
1,1-Dichloroethane
Concen: 9.261 ppbv
RT: 4.578 min Scan# 614
Delta R.T. 0.019 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

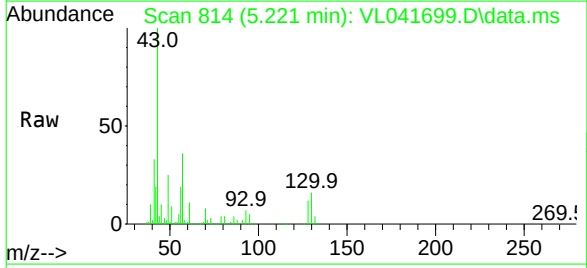
Tgt Ion: 63	Resp: 1200413
Ion Ratio	Lower Upper
63 100	
98 3.9	1.8 5.4
100 2.2	1.4 4.2





#25
Ethyl Acetate
Concen: 9.506 ppbv
RT: 5.221 min Scan# 811
Delta R.T. 0.019 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

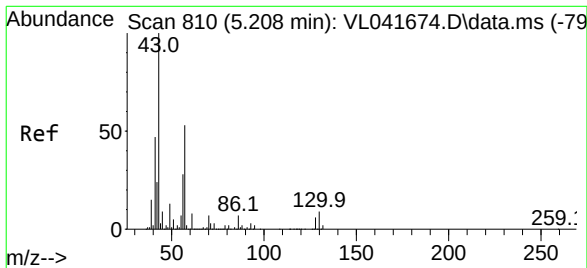
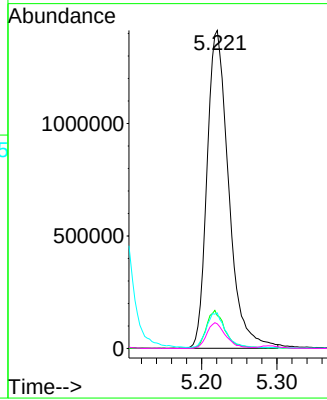
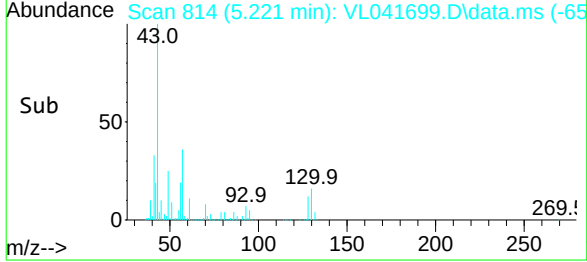
Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01



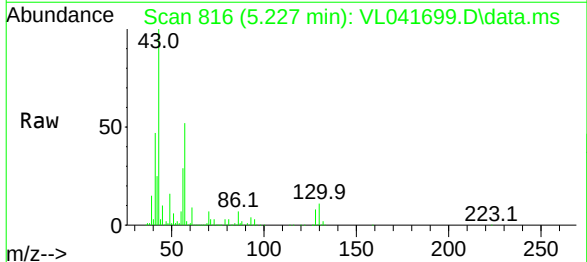
Tgt Ion: 43 Resp: 2817969
Ion Ratio Lower Upper
43 100
45 10.8 8.6 13.0
61 10.3 8.4 12.6
70 7.2 5.8 8.6

Manual Integrations
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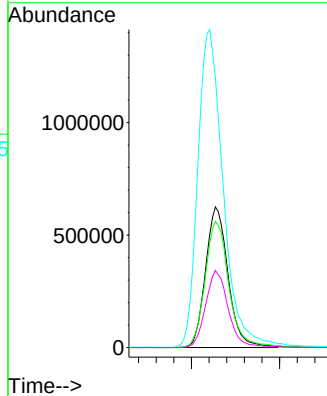
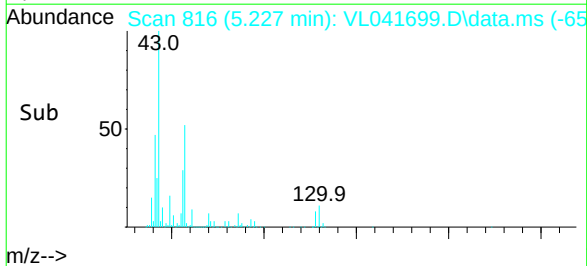
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024

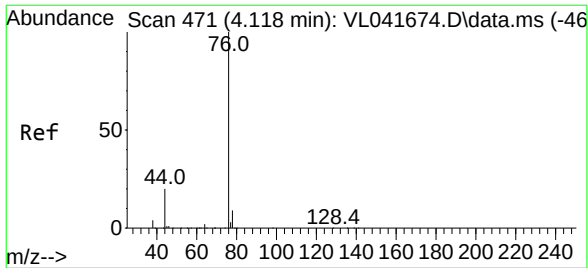


#26
Hexane
Concen: 9.737 ppbv
RT: 5.227 min Scan# 816
Delta R.T. 0.019 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15



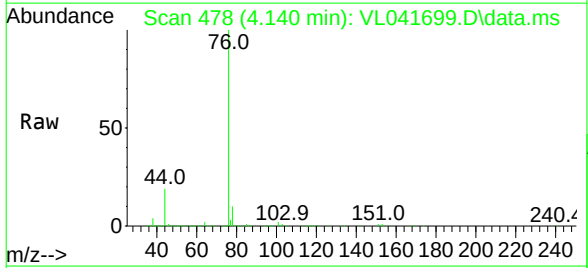
Tgt Ion: 57 Resp: 1108983
Ion Ratio Lower Upper
57 100
41 95.8 76.1 114.1
43 256.6 207.0 310.6
56 55.4 43.7 65.5





#27
Carbon Disulfide
Concen: 10.677 ppbv
RT: 4.140 min Scan# 471
Delta R.T. 0.023 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

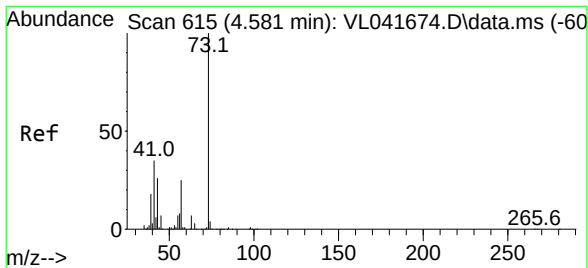
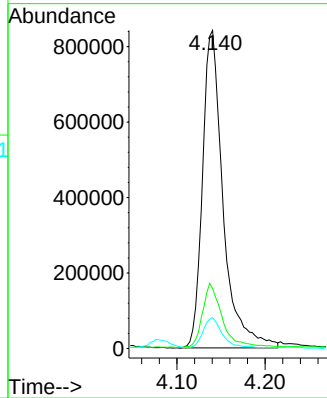
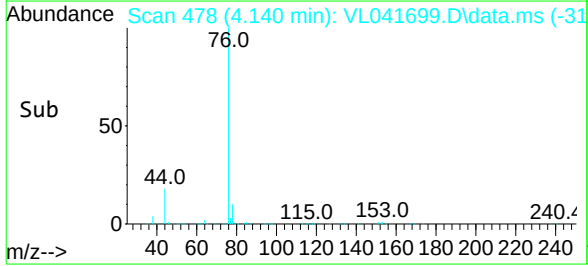
Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01



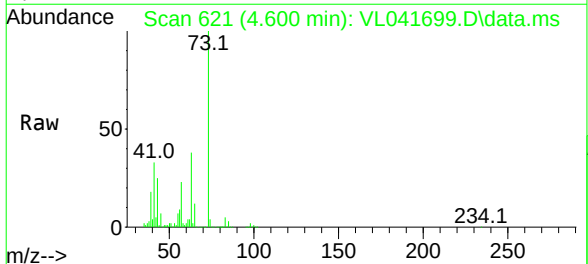
Tgt Ion: 76 Resp: 1366173
Ion Ratio Lower Upper
76 100
44 20.0 15.8 23.8
78 9.4 7.5 11.3

Manual Integrations
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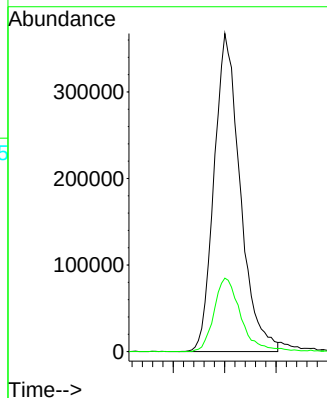
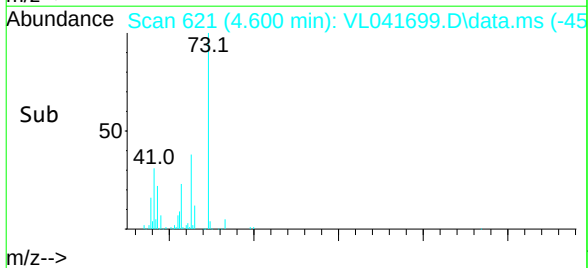
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024

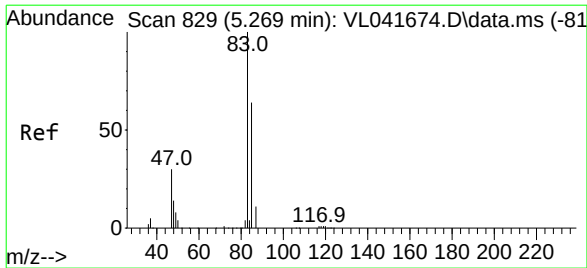


#28
Methyl tert-Butyl Ether
Concen: 8.826 ppbv
RT: 4.600 min Scan# 621
Delta R.T. 0.019 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15



Tgt Ion: 73 Resp: 647293
Ion Ratio Lower Upper
73 100
57 24.1 19.6 29.4





#29

Chloroform

Concen: 9.436 ppbv

RT: 5.291 min Scan# 83

Delta R.T. 0.023 min

Lab File: VL041699.D

Acq: 20 Nov 2024 13:15

Instrument :

MSVOA_L

ClientSampleId :

VL1120ABS01

Tgt Ion: 83 Resp: 1773915

Ion Ratio Lower Upper

83 100

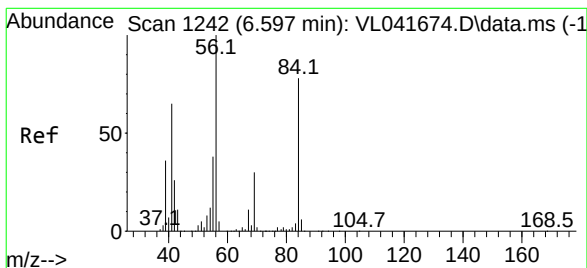
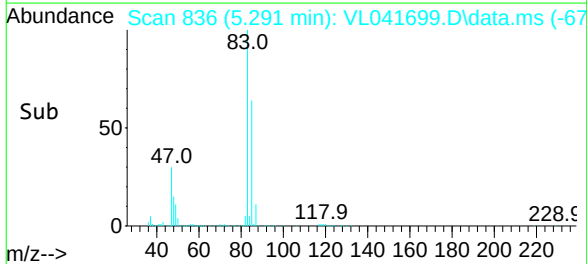
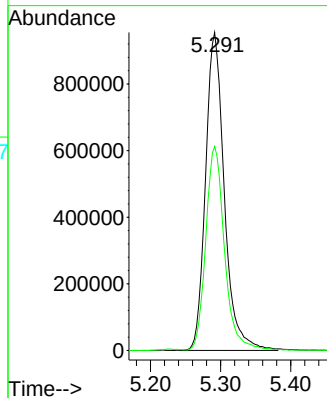
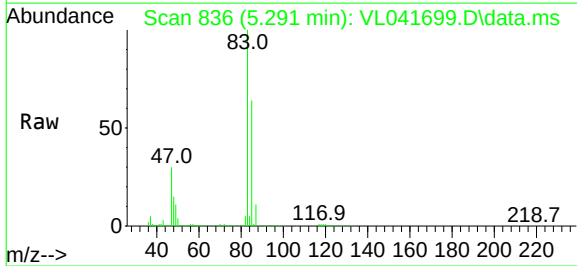
85 64.0 51.1 76.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2024

Supervised By :Mahesh Dadoda 11/21/2024



#30

Cyclohexane

Concen: 9.815 ppbv

RT: 6.619 min Scan# 1249

Delta R.T. 0.023 min

Lab File: VL041699.D

Acq: 20 Nov 2024 13:15

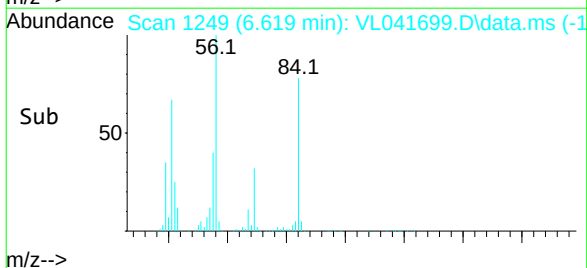
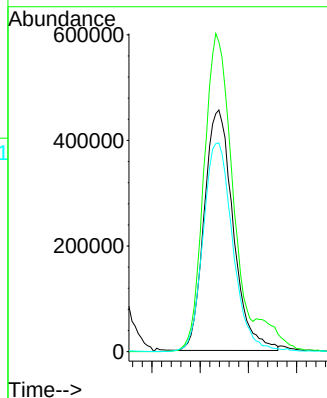
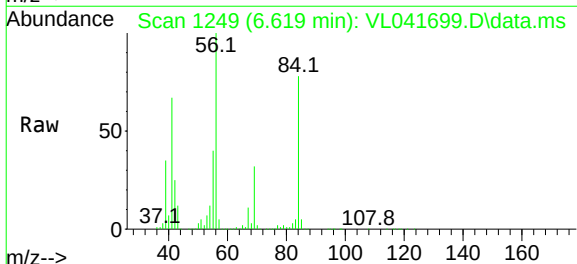
Tgt Ion: 84 Resp: 951807

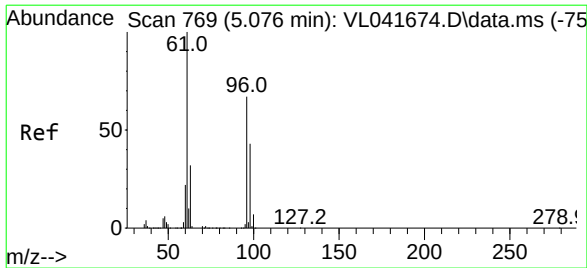
Ion Ratio Lower Upper

84 100

56 139.2 110.8 166.2

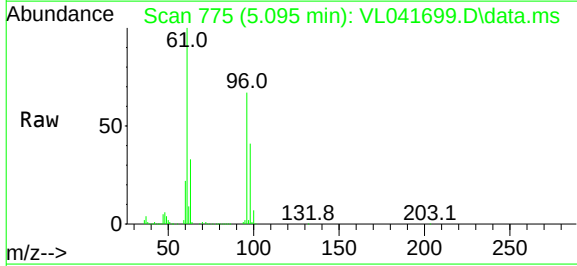
41 88.9 70.0 105.0





#31
cis-1,2-Dichloroethene
Concen: 9.810 ppbv
RT: 5.095 min Scan# 771
Delta R.T. 0.019 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

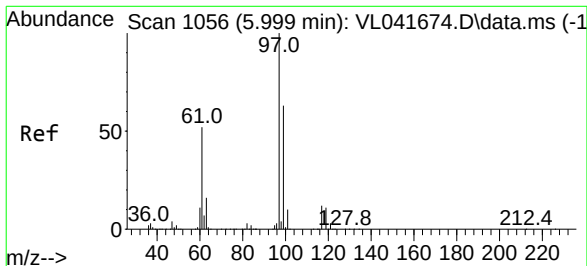
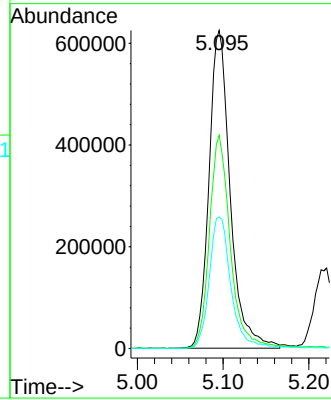
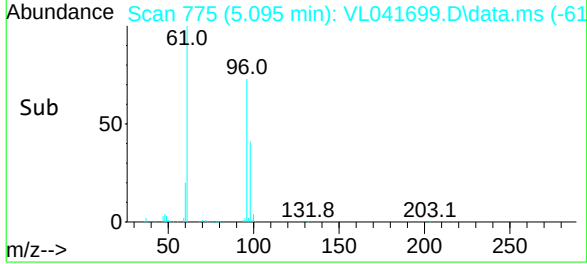
Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01



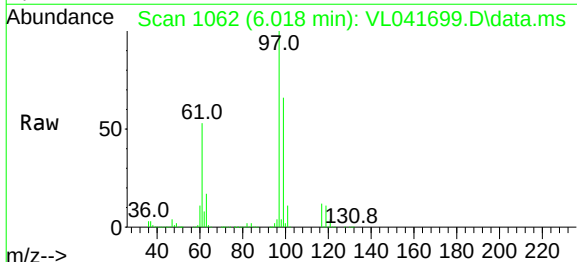
Tgt Ion: 61 Resp: 1074877
Ion Ratio Lower Upper
61 100
96 67.0 53.4 80.2
98 41.3 34.0 51.0

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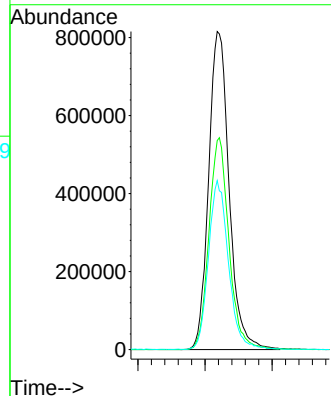
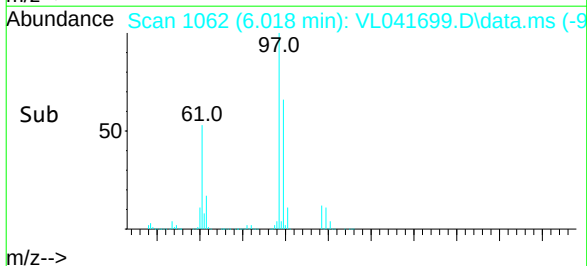
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024

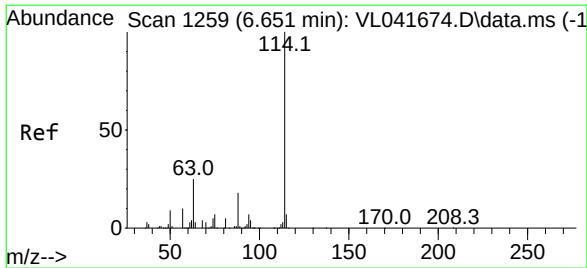


#32
1,1,1-Trichloroethane
Concen: 10.080 ppbv
RT: 6.018 min Scan# 1062
Delta R.T. 0.019 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15



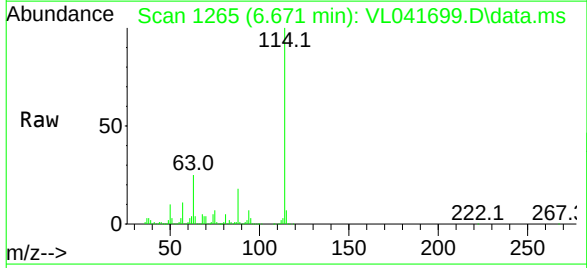
Tgt Ion: 97 Resp: 1728793
Ion Ratio Lower Upper
97 100
99 65.2 51.4 77.2
61 52.3 41.7 62.5





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.671 min Scan# 12
Delta R.T. 0.019 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

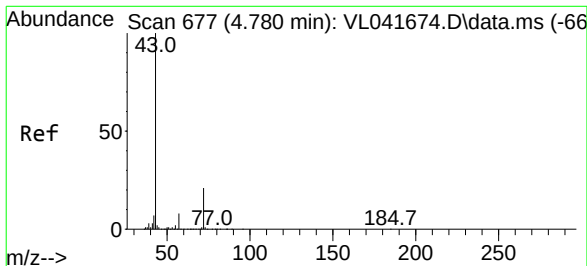
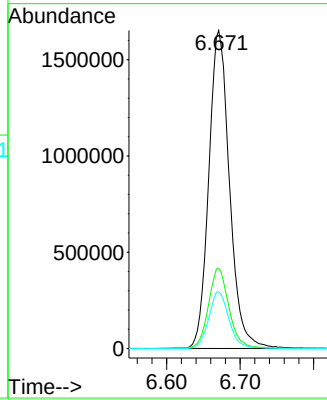
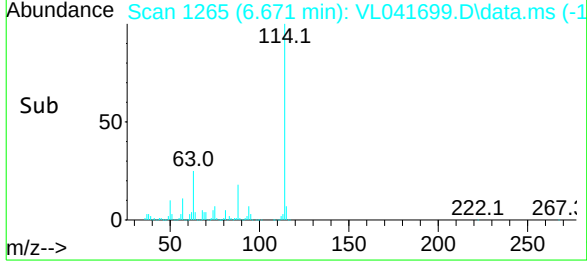
Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01



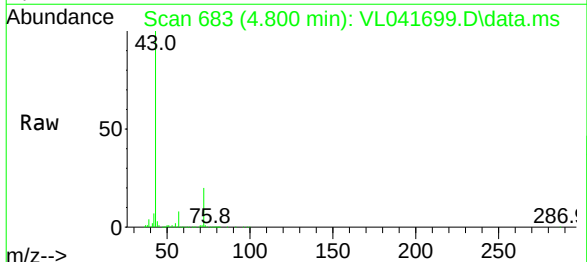
Tgt Ion: 114 Resp: 3239097
Ion Ratio Lower Upper
114 100
63 25.3 20.3 30.5
88 17.5 14.2 21.4

Manual Integrations
APPROVED

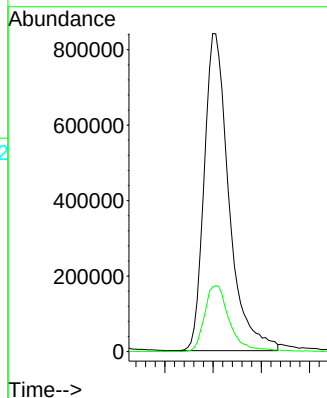
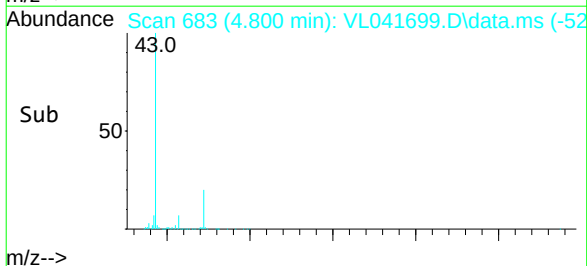
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024

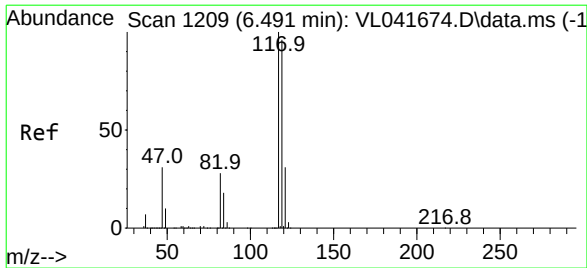


#34
2-Butanone
Concen: 9.310 ppbv
RT: 4.800 min Scan# 683
Delta R.T. 0.019 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15



Tgt Ion: 43 Resp: 1501583
Ion Ratio Lower Upper
43 100
72 21.1 17.4 26.0





#35

Carbon Tetrachloride

Concen: 10.688 ppbv

RT: 6.510 min Scan# 1209

Delta R.T. 0.019 min

Lab File: VL041699.D

Acq: 20 Nov 2024 13:15

Instrument :

MSVOA_L

ClientSampleId :

VL1120ABS01

Tgt Ion:117 Resp: 1826480

Ion Ratio Lower Upper

117 100

119 96.4 77.2 115.8

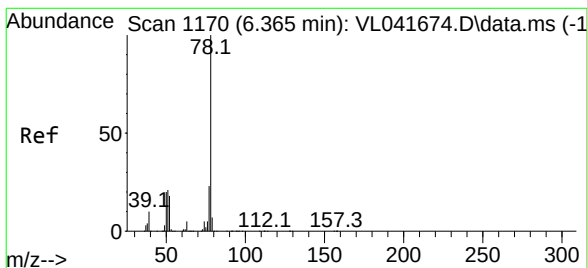
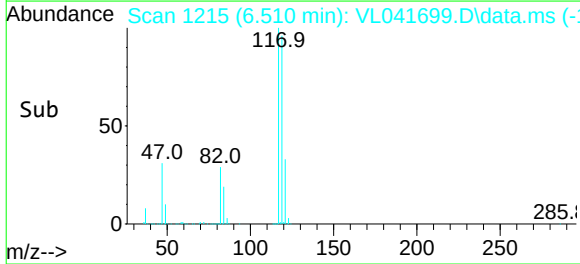
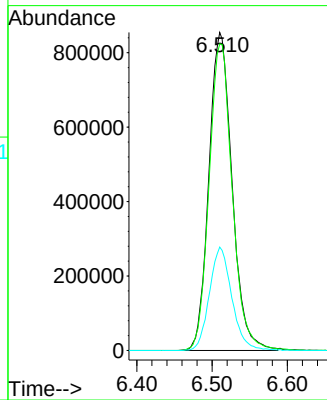
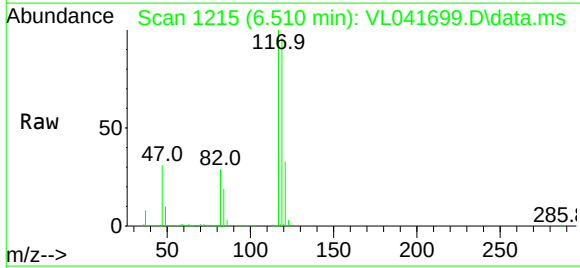
121 32.5 25.0 37.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2024

Supervised By :Mahesh Dadoda 11/21/2024



#36

Benzene

Concen: 9.947 ppbv

RT: 6.388 min Scan# 1177

Delta R.T. 0.023 min

Lab File: VL041699.D

Acq: 20 Nov 2024 13:15

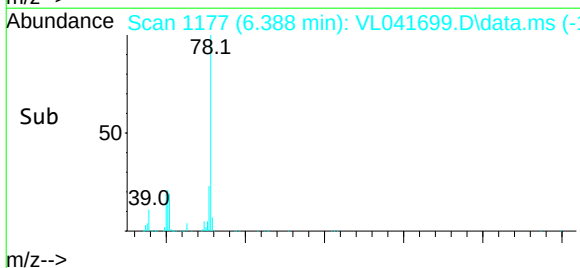
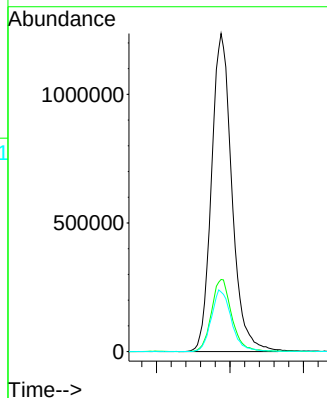
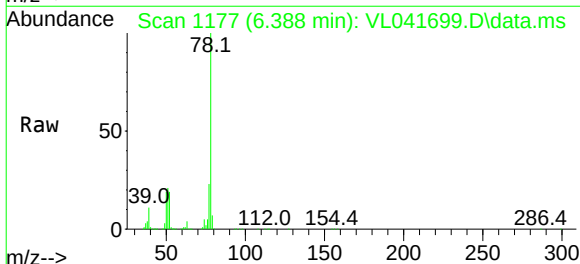
Tgt Ion: 78 Resp: 2387291

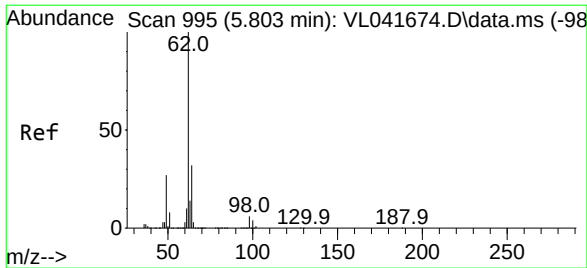
Ion Ratio Lower Upper

78 100

77 22.7 18.5 27.7

50 18.7 15.6 23.4





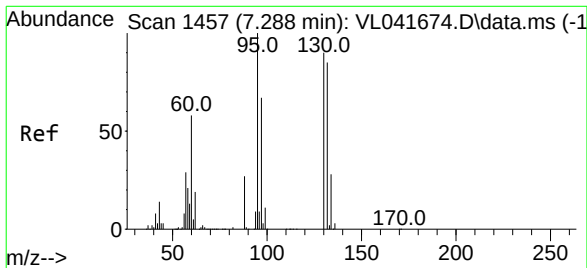
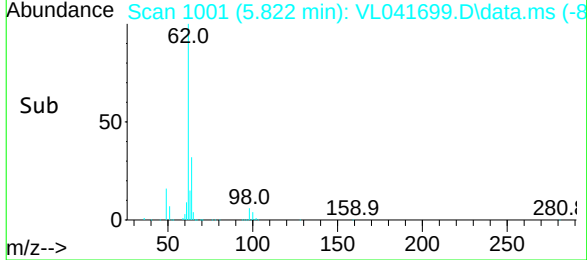
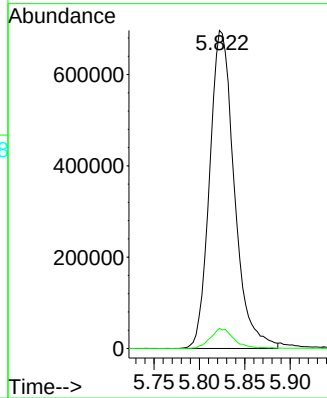
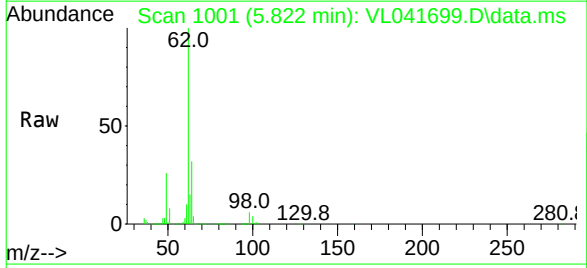
#37
1,2-Dichloroethane
Concen: 9.744 ppbv
RT: 5.822 min Scan# 10
Delta R.T. 0.019 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion: 62 Resp: 1319263
Ion Ratio Lower Upper
62 100
98 6.2 5.2 7.8

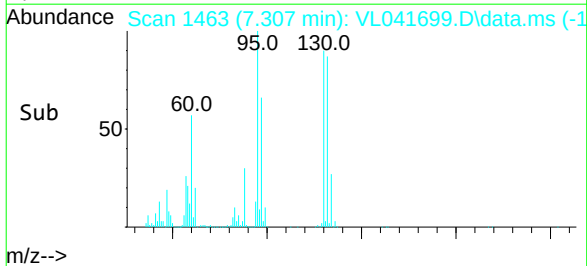
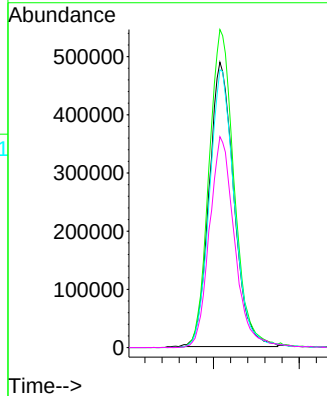
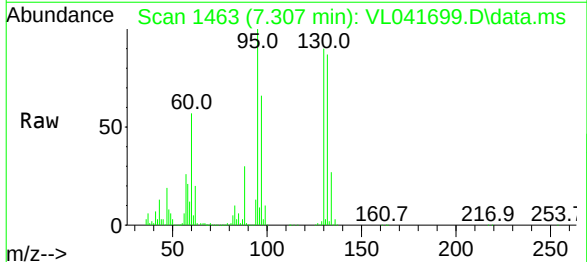
Manual Integrations
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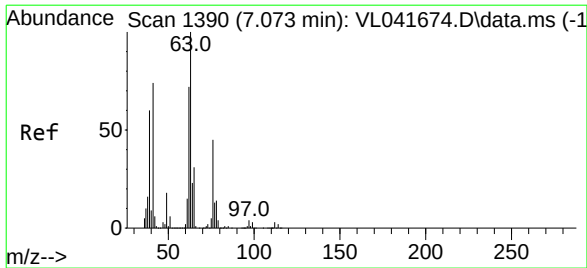
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



#38
Trichloroethene
Concen: 10.635 ppbv
RT: 7.307 min Scan# 1463
Delta R.T. 0.019 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

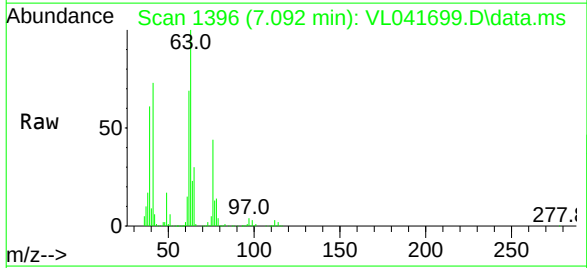
Tgt Ion:130 Resp: 980257
Ion Ratio Lower Upper
130 100
95 111.7 89.1 133.7
132 97.6 75.7 113.5
97 74.1 60.0 90.0





#39
1,2-Dichloropropane
Concen: 9.759 ppbv
RT: 7.092 min Scan# 13
Delta R.T. 0.019 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

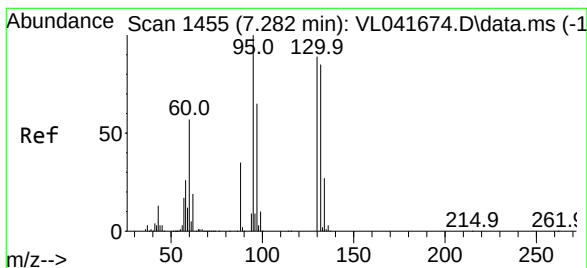
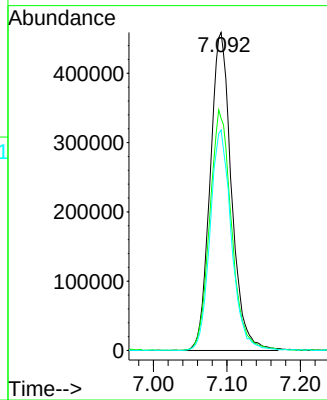
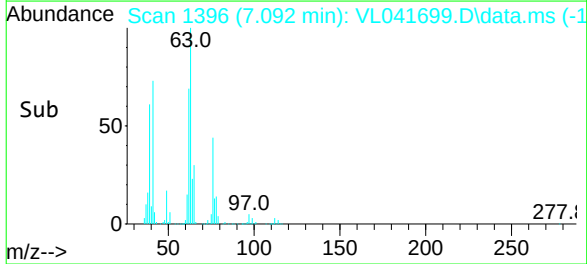
Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01



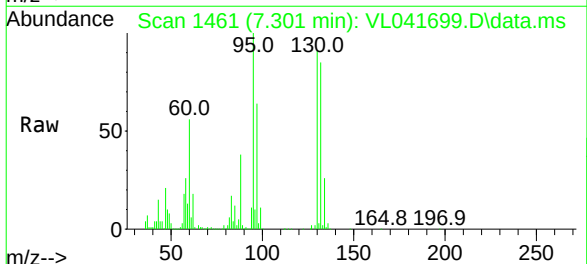
Tgt Ion: 63 Resp: 925581
Ion Ratio Lower Upper
63 100
41 72.9 59.1 88.7
62 69.3 57.7 86.5

Manual Integrations
APPROVED

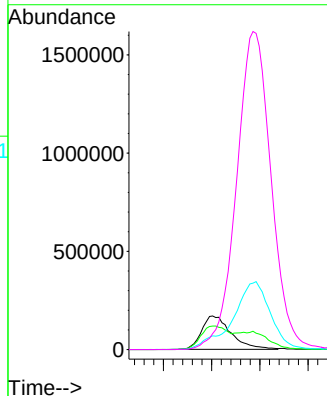
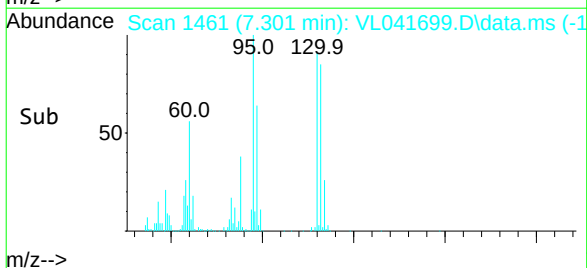
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024

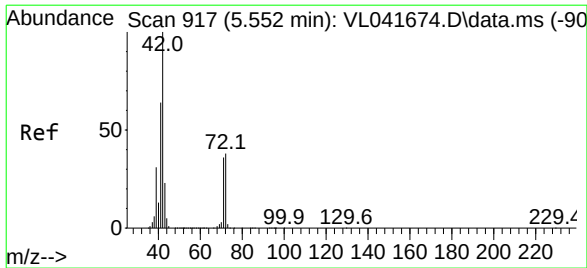


#40
1,4-Dioxane
Concen: 10.596 ppbv
RT: 7.301 min Scan# 1461
Delta R.T. 0.019 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15



Tgt Ion: 88 Resp: 360556
Ion Ratio Lower Upper
88 100
58 126.0 101.4 152.2
43 260.6 208.0 312.0
57 1123.7 902.9 1354.3





#41

Tetrahydrofuran

Concen: 10.257 ppbv

RT: 5.571 min Scan# 92

Delta R.T. 0.019 min

Lab File: VL041699.D

Acq: 20 Nov 2024 13:15

Instrument :

MSVOA_L

ClientSampleId :

VL1120ABS01

Tgt Ion: 42 Resp: 944786

Ion Ratio Lower Upper

42 100

72 36.8 29.8 44.6

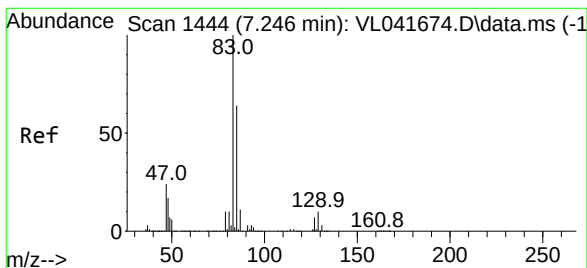
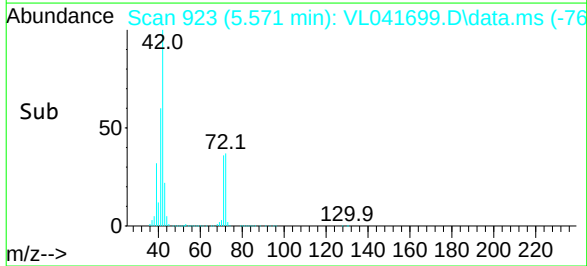
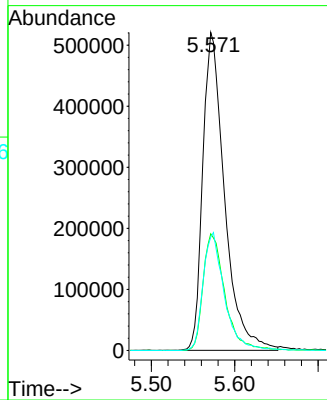
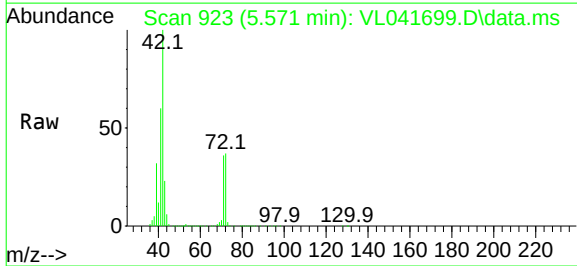
71 36.4 29.4 44.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2024

Supervised By :Mahesh Dadoda 11/21/2024



#42

Bromodichloromethane

Concen: 10.147 ppbv

RT: 7.269 min Scan# 1451

Delta R.T. 0.023 min

Lab File: VL041699.D

Acq: 20 Nov 2024 13:15

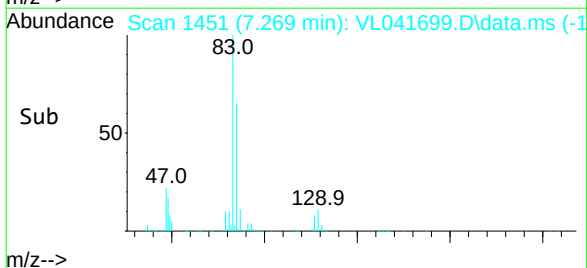
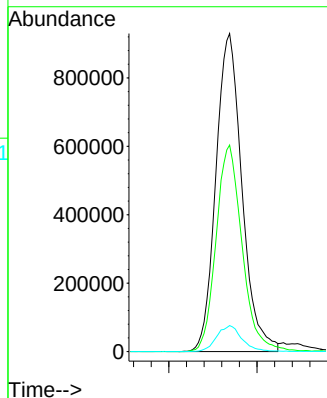
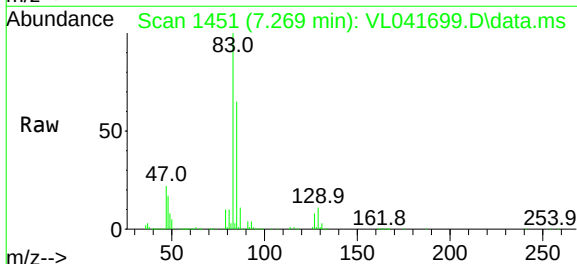
Tgt Ion: 83 Resp: 1909198

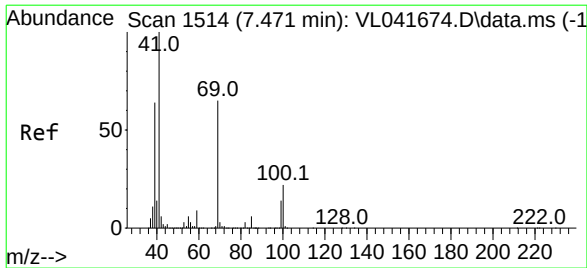
Ion Ratio Lower Upper

83 100

85 64.9 51.2 76.8

127 8.2 6.0 9.0





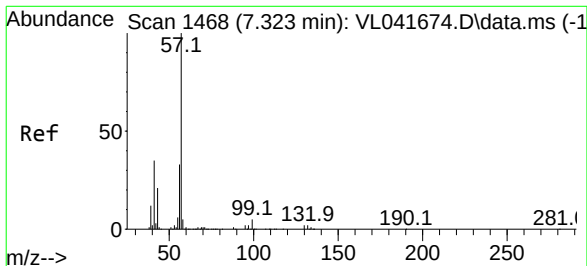
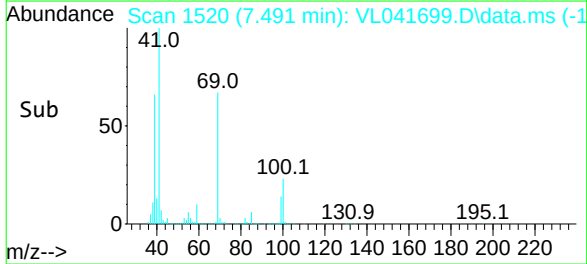
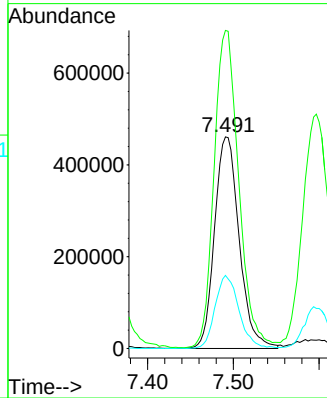
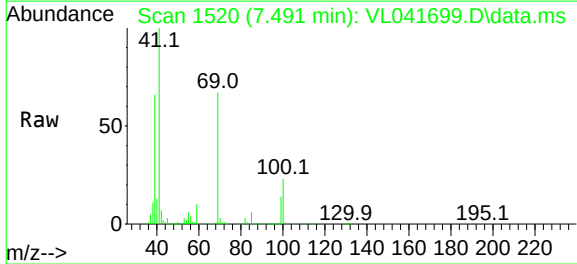
#43
Methyl Methacrylate
Concen: 10.923 ppbv
RT: 7.491 min Scan# 1514
Delta R.T. 0.019 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion: 69 Resp: 920452
Ion Ratio Lower Upper
69 100
41 150.9 119.8 179.6
100 33.6 27.3 40.9

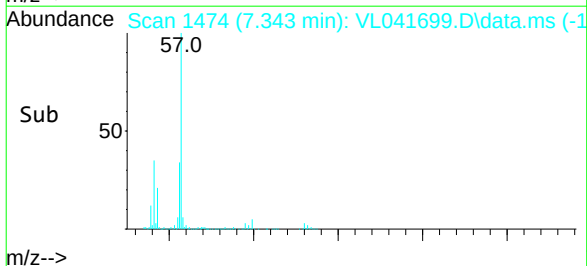
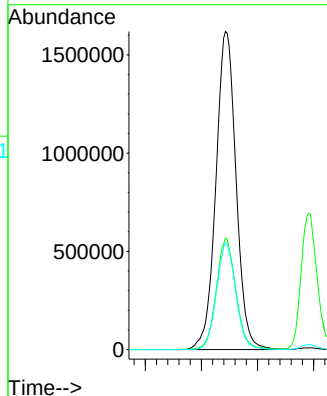
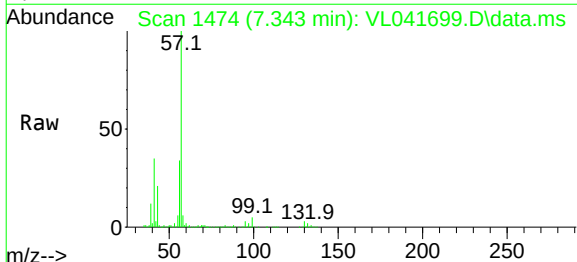
Manual Integrations
APPROVED

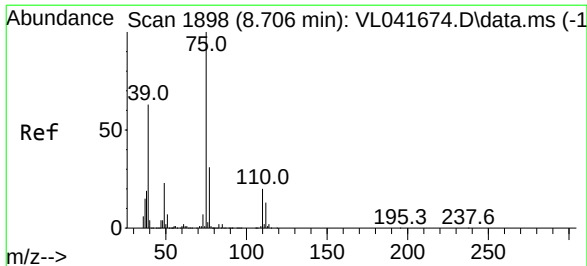
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



#44
2,2,4-Trimethylpentane
Concen: 9.958 ppbv
RT: 7.343 min Scan# 1474
Delta R.T. 0.019 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

Tgt Ion: 57 Resp: 4048166
Ion Ratio Lower Upper
57 100
41 34.0 27.0 40.6
56 32.1 25.8 38.6





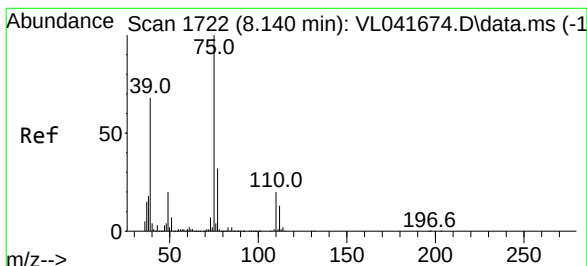
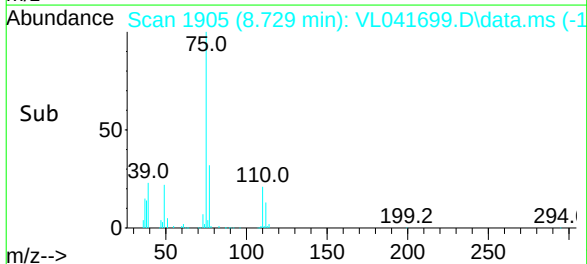
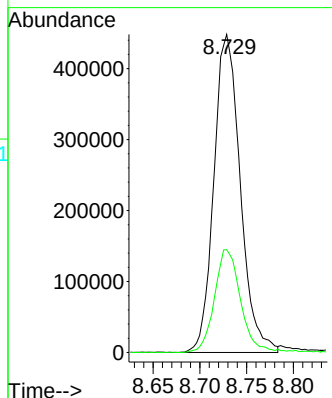
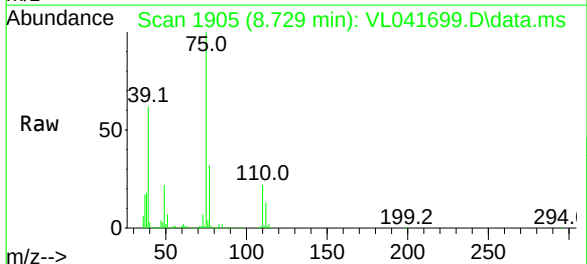
#45
t-1,3-Dichloropropene
Concen: 11.439 ppbv
RT: 8.729 min Scan# 1912
Delta R.T. 0.023 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion: 75 Resp: 880781
Ion Ratio Lower Upper
75 100
77 32.3 24.7 37.1

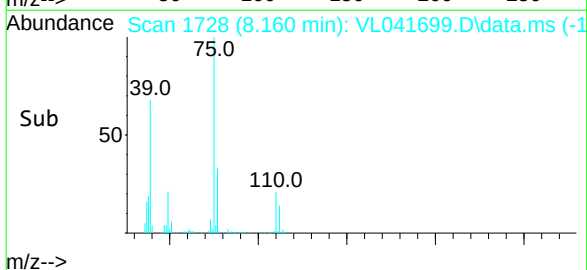
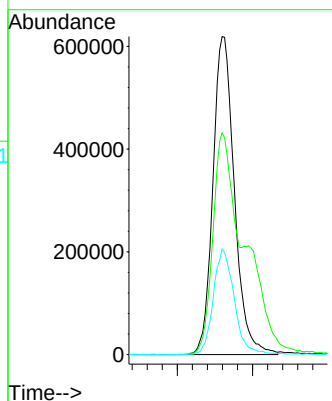
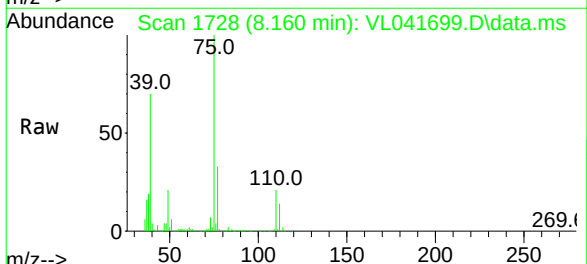
Manual Integrations
APPROVED

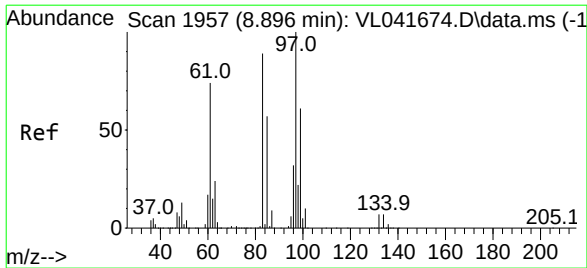
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



#46
cis-1,3-Dichloropropene
Concen: 11.089 ppbv
RT: 8.160 min Scan# 1728
Delta R.T. 0.019 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

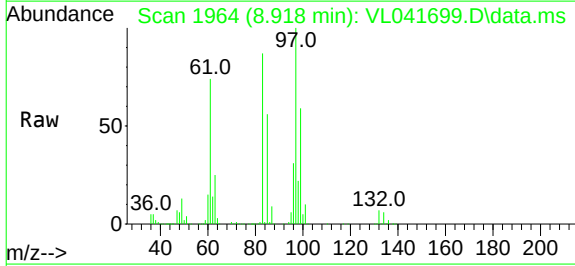
Tgt Ion: 75 Resp: 1226432
Ion Ratio Lower Upper
75 100
39 69.6 54.1 81.1
77 33.2 25.3 37.9





#47
1,1,2-Trichloroethane
Concen: 9.776 ppbv
RT: 8.918 min Scan# 1957
Delta R.T. 0.023 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

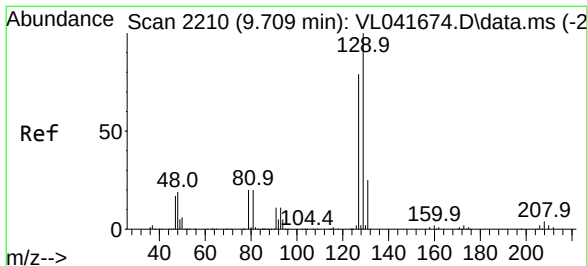
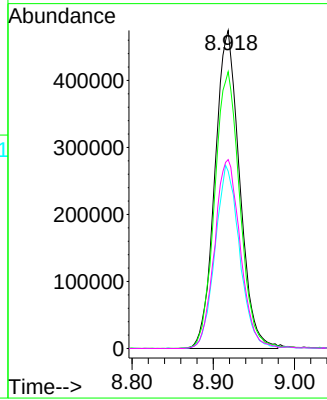
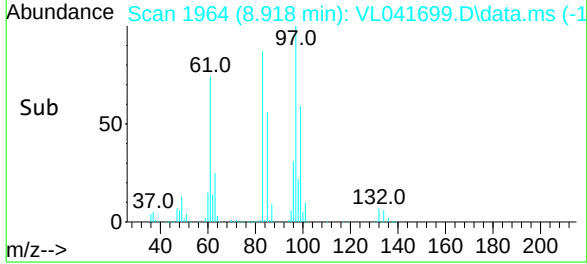
Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01



Tgt Ion: 97 Resp: 1003450
Ion Ratio Lower Upper
97 100
83 87.0 71.0 106.6
85 55.7 45.4 68.2
99 59.4 49.0 73.6

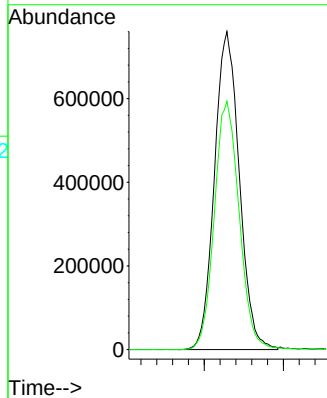
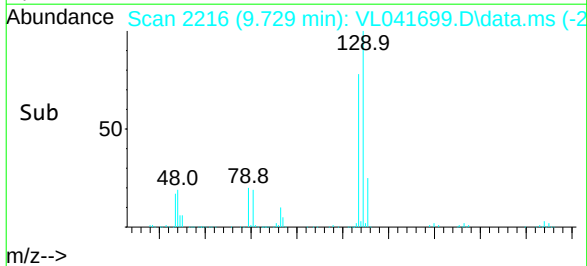
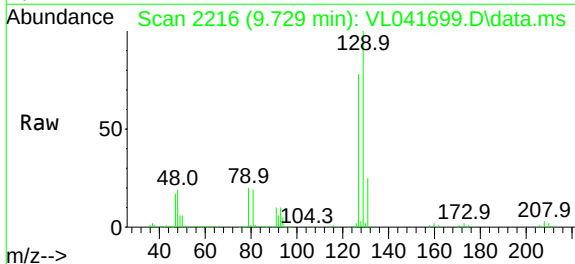
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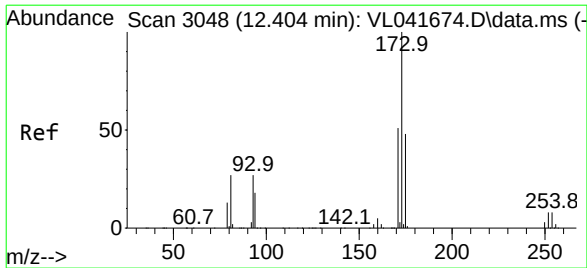
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



#48
Dibromochloromethane
Concen: 10.628 ppbv
RT: 9.729 min Scan# 2216
Delta R.T. 0.019 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

Tgt Ion:129 Resp: 1658425
Ion Ratio Lower Upper
129 100
127 78.3 39.1 117.2





#49

Bromoform

Concen: 11.123 ppbv

RT: 12.423 min Scan# 3048

Delta R.T. 0.019 min

Lab File: VL041699.D

Acq: 20 Nov 2024 13:15

Instrument :

MSVOA_L

ClientSampleId :

VL1120ABS01

Tgt Ion: 173 Resp: 1485005

Ion Ratio Lower Upper

173 100

175 48.9 39.2 58.8

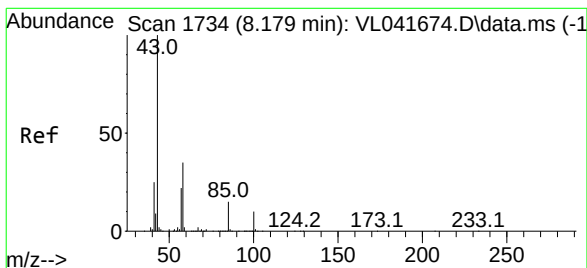
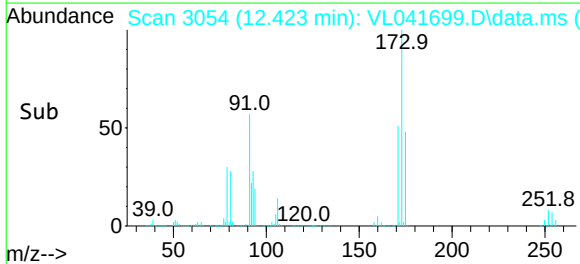
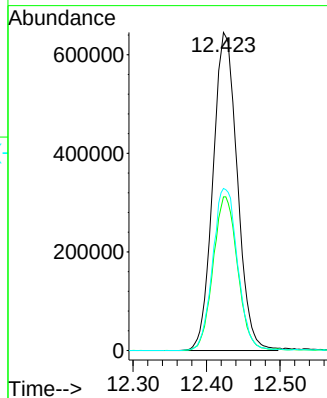
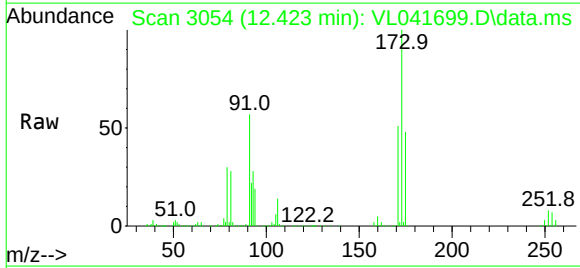
171 52.3 41.7 62.5

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Reviewed By :Semsettin Yesilyurt 11/21/2024

Supervised By :Mahesh Dadoda 11/21/2024



#50

4-Methyl-2-Pentanone

Concen: 10.473 ppbv

RT: 8.198 min Scan# 1740

Delta R.T. 0.019 min

Lab File: VL041699.D

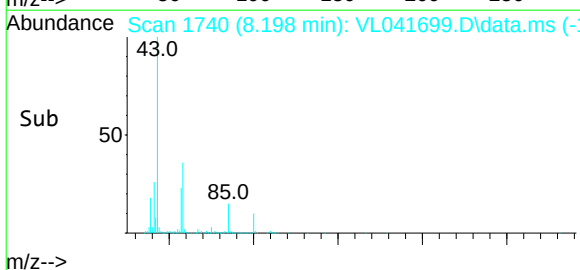
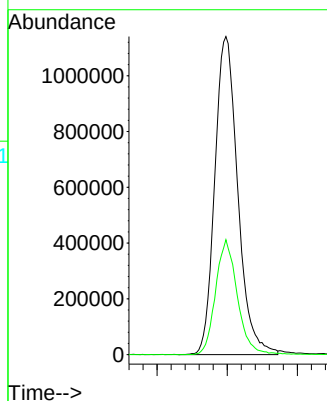
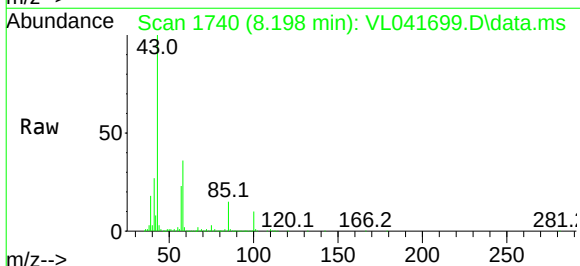
Acq: 20 Nov 2024 13:15

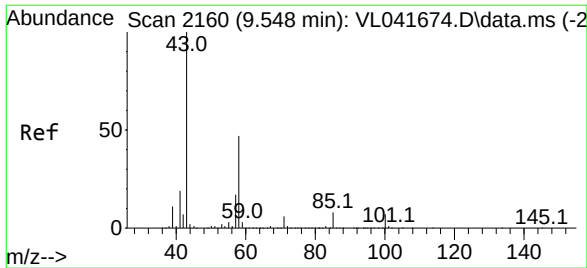
Tgt Ion: 43 Resp: 2593146

Ion Ratio Lower Upper

43 100

58 34.3 27.7 41.5





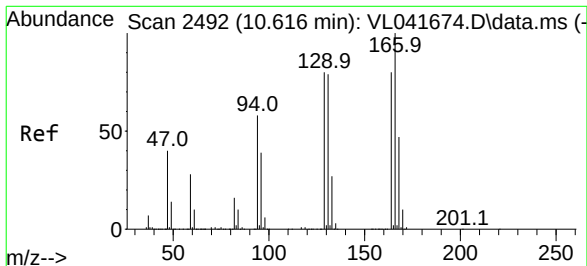
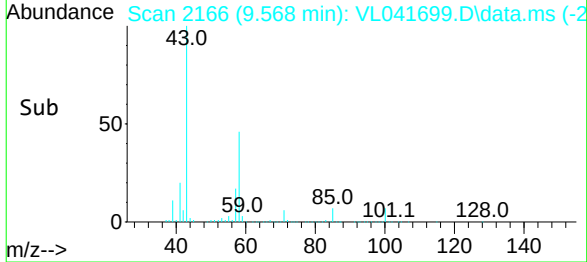
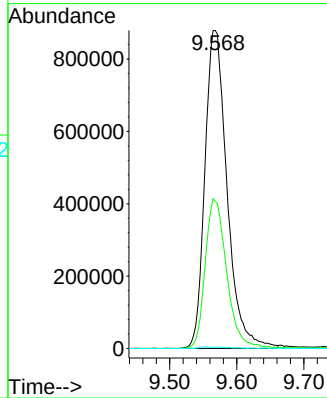
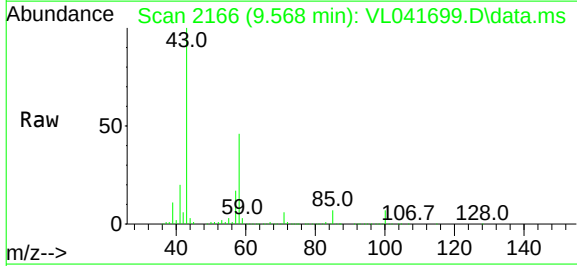
#51
2-Hexanone
Concen: 11.196 ppbv
RT: 9.568 min Scan# 2160
Delta R.T. 0.019 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion: 43 Resp: 2018735
Ion Ratio Lower Upper
43 100
58 46.0 37.0 55.6
98 0.6 0.6 0.8

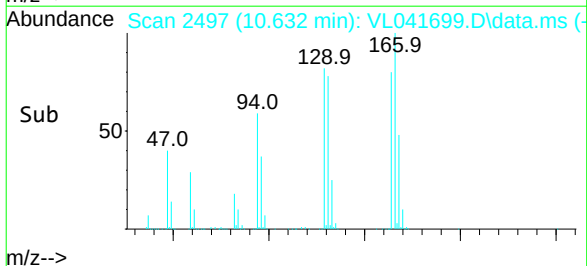
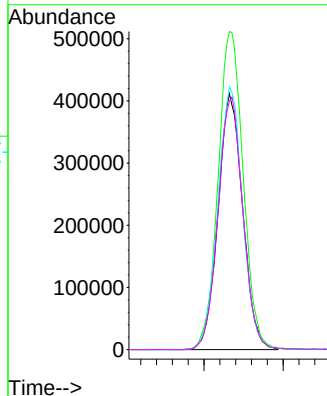
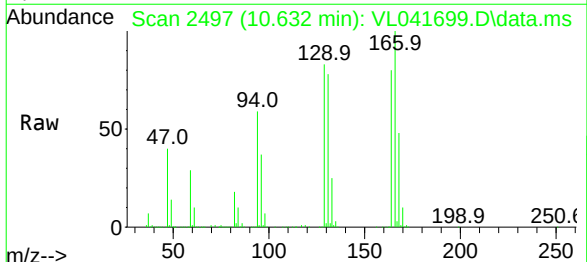
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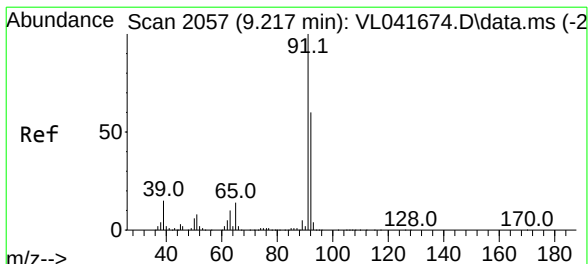
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



#52
Tetrachloroethene
Concen: 10.856 ppbv
RT: 10.632 min Scan# 2497
Delta R.T. 0.016 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

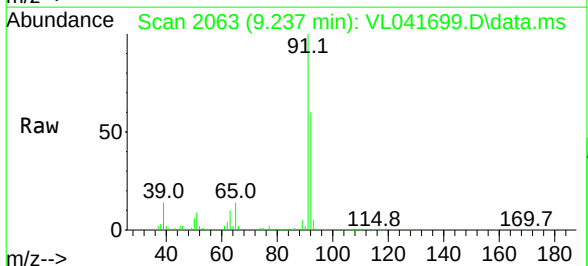
Tgt Ion:164 Resp: 887903
Ion Ratio Lower Upper
164 100
166 124.3 100.2 150.4
129 102.7 79.7 119.5
131 97.2 79.0 118.4





#53
Toluene
Concen: 11.016 ppbv
RT: 9.237 min Scan# 2057
Delta R.T. 0.019 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

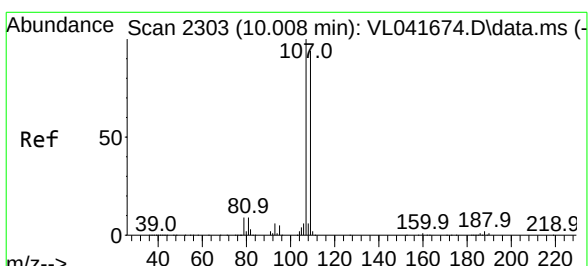
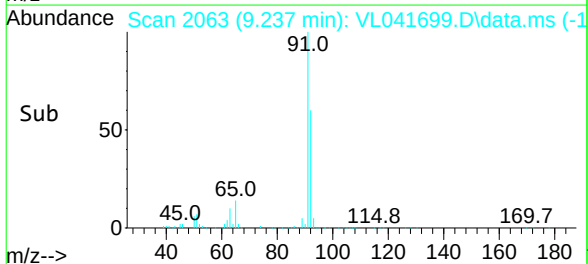
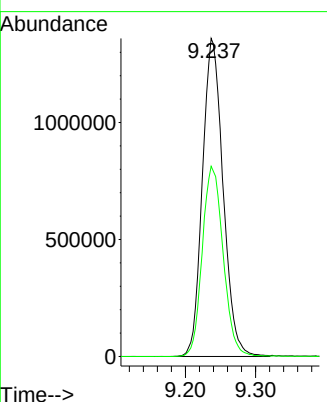
Instrument : MSVOA_L
ClientSampleId : VL1120ABS01



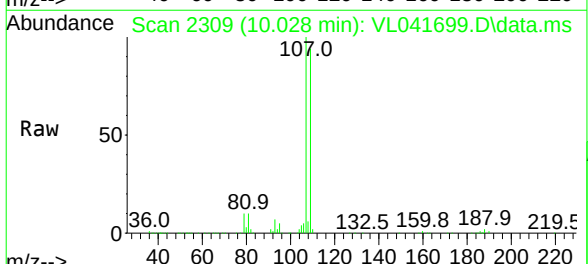
Tgt Ion: 91 Resp: 2780287

Ion	Ratio	Lower	Upper
91	100		
92	60.6	49.0	73.4

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Supervised By :Mahesh Dadoda 11/21/2024

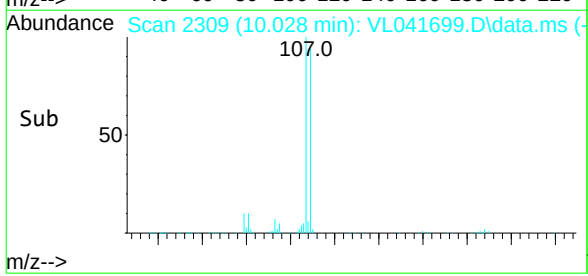
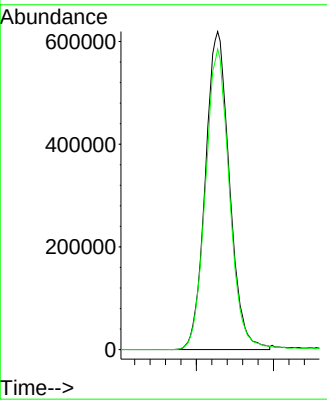


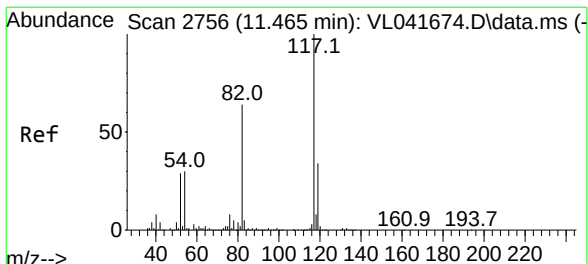
#54
1,2-Dibromoethane
Concen: 11.206 ppbv
RT: 10.028 min Scan# 2309
Delta R.T. 0.019 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15



Tgt Ion:107 Resp: 1343883

Ion	Ratio	Lower	Upper
107	100		
109	94.5	74.9	112.3





#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 11.484 min Scan# 2756
Delta R.T. 0.019 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

Instrument :

MSVOA_L

ClientSampleId :

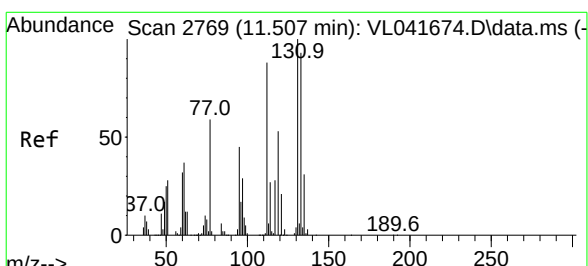
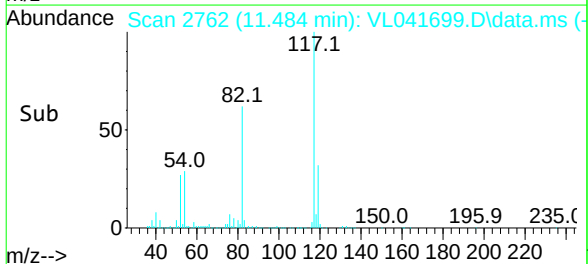
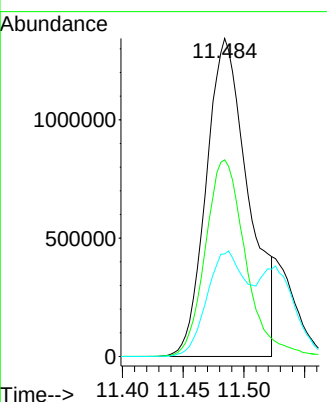
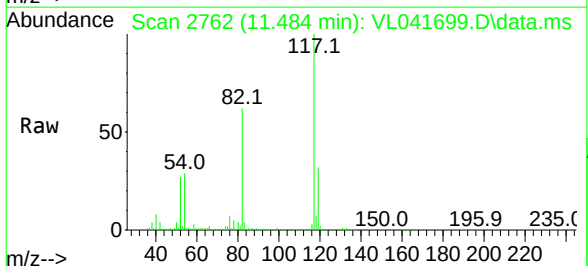
VL1120ABS01

Tgt Ion:117 Resp: 3236609

Ion	Ratio	Lower	Upper
117	100		
82	59.8	49.8	74.8
119	30.4	24.2	36.4

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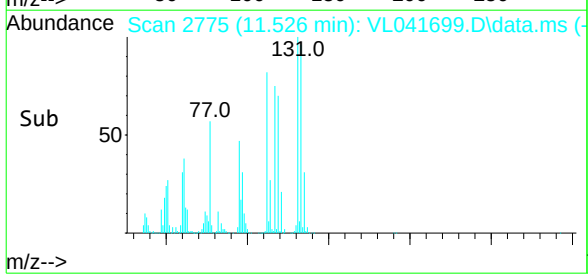
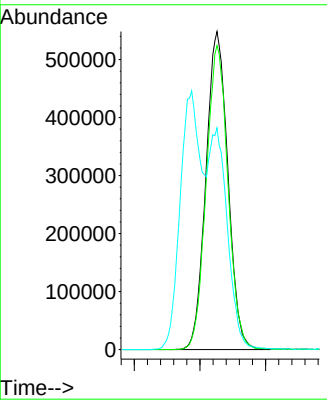
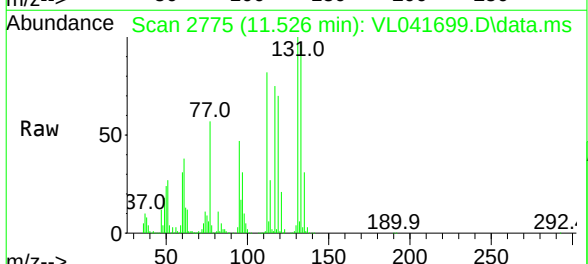
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024

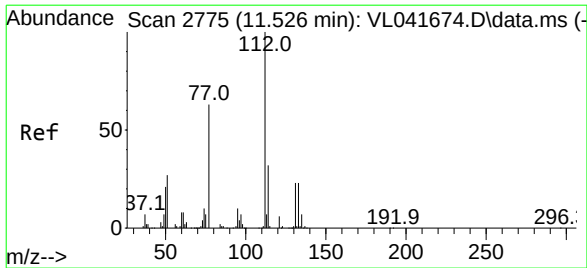


#56
1,1,1,2-Tetrachloroethane
Concen: 9.534 ppbv
RT: 11.526 min Scan# 2775
Delta R.T. 0.019 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

Tgt Ion:131 Resp: 1272657

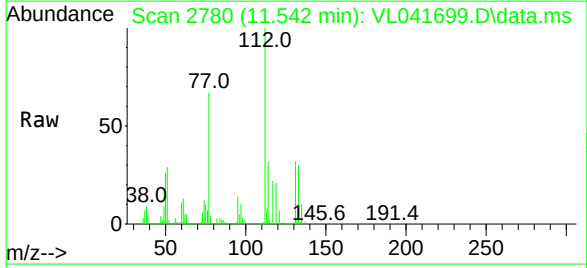
Ion	Ratio	Lower	Upper
131	100		
133	94.6	76.5	114.7
119	63.0	49.8	74.8





#57
Chlorobenzene
Concen: 9.291 ppbv
RT: 11.542 min Scan# 2775
Delta R.T. 0.016 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

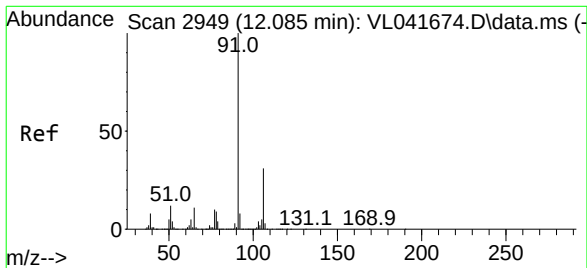
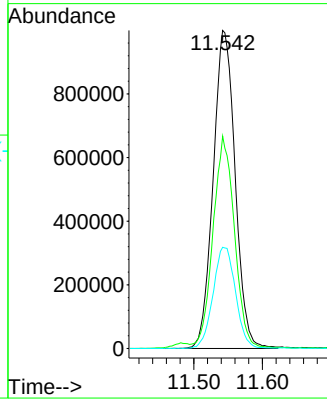
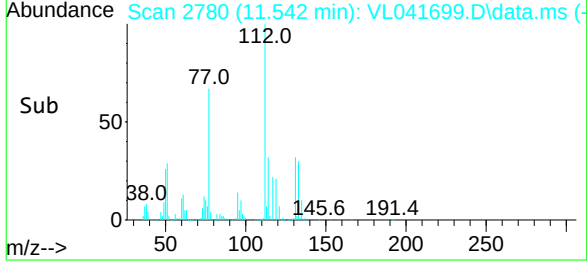
Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01



Tgt Ion:112 Resp: 2224042
Ion Ratio Lower Upper
112 100
77 66.4 51.4 77.2
114 31.8 28.4 34.8

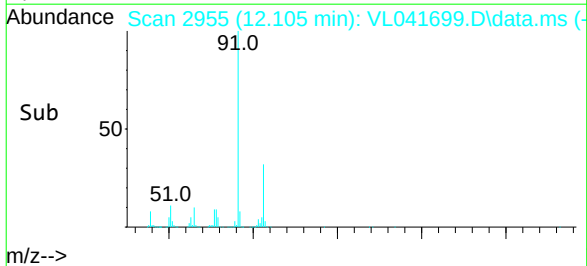
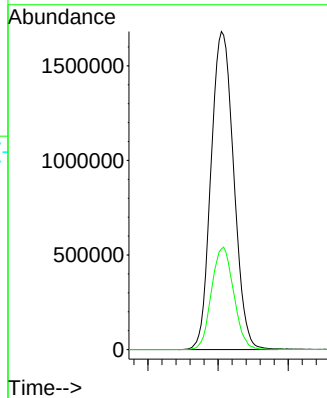
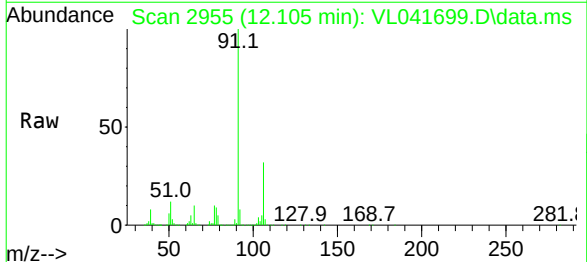
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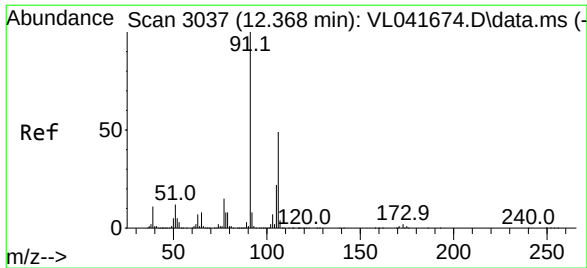
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



#58
Ethyl Benzene
Concen: 10.650 ppbv
RT: 12.105 min Scan# 2955
Delta R.T. 0.019 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

Tgt Ion: 91 Resp: 3779084
Ion Ratio Lower Upper
91 100
106 31.6 24.9 37.3





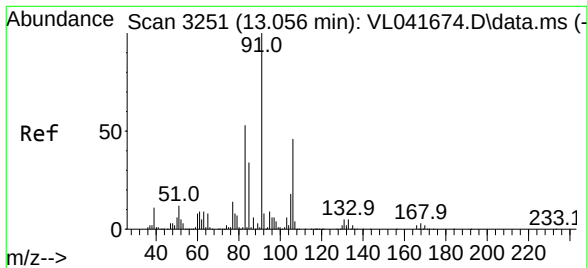
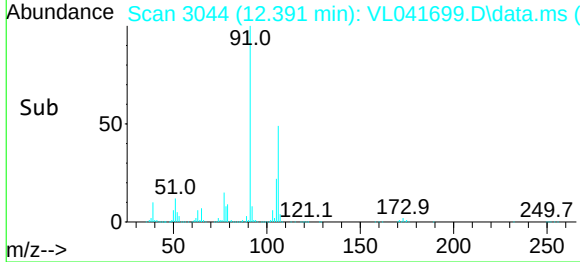
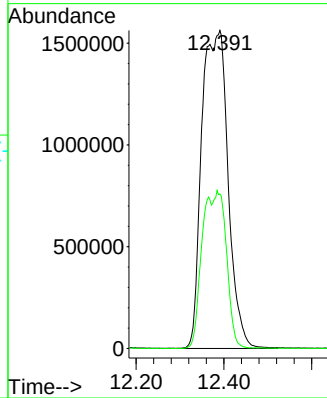
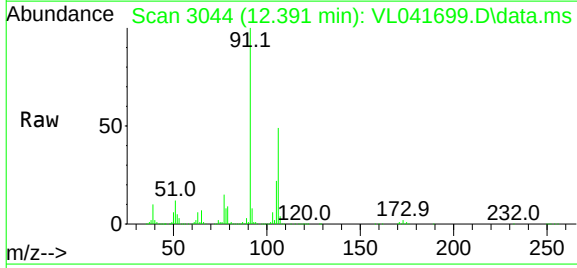
#59
m/p-Xylene
Concen: 20.446 ppbv m
RT: 12.391 min Scan# 3037
Delta R.T. 0.023 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion: 91 Resp: 6496748
Ion Ratio Lower Upper
91 100
106 45.9 36.9 55.3

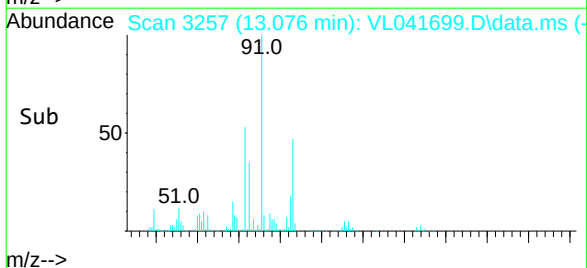
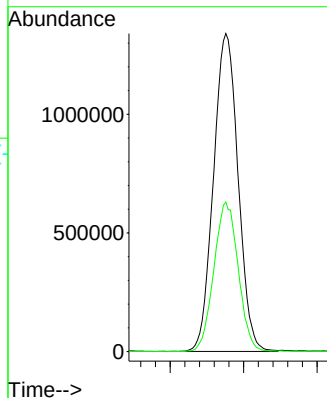
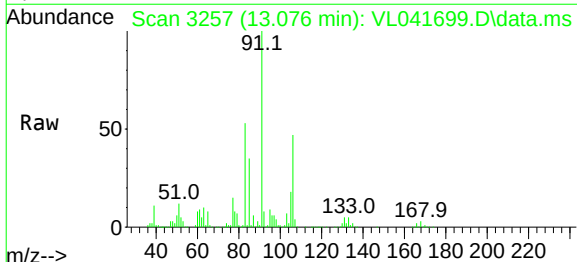
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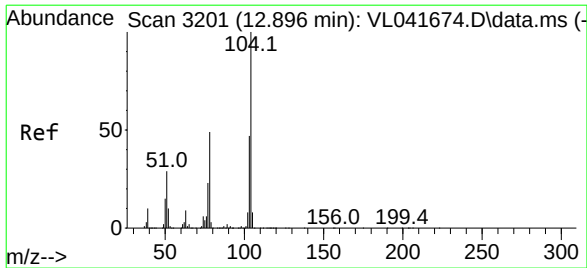
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



#60
o-Xylene
Concen: 10.271 ppbv
RT: 13.076 min Scan# 3257
Delta R.T. 0.019 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

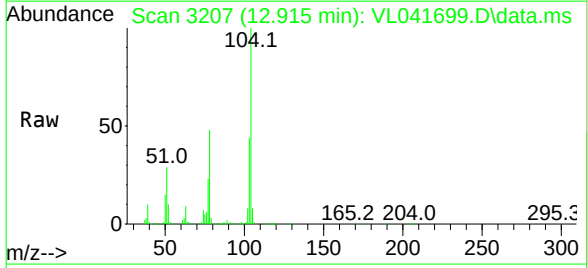
Tgt Ion: 91 Resp: 3111959
Ion Ratio Lower Upper
91 100
106 46.6 23.2 69.6





#61
Styrene
Concen: 12.024 ppbv
RT: 12.915 min Scan# 3207
Delta R.T. 0.019 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

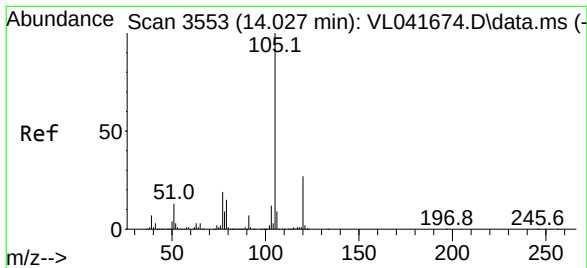
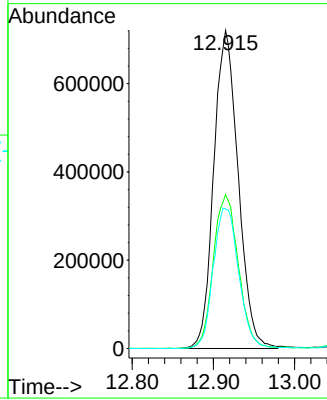
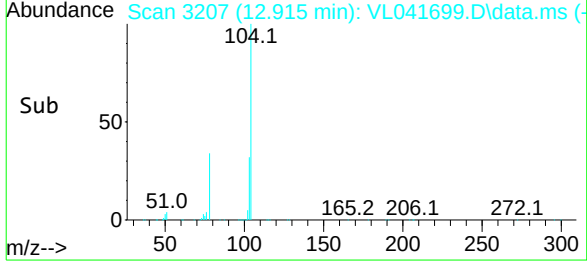
Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01



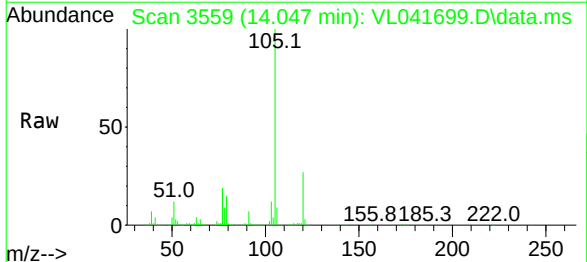
Tgt Ion:104 Resp: 1503740
Ion Ratio Lower Upper
104 100
78 49.9 39.8 59.8
103 46.4 37.4 56.0

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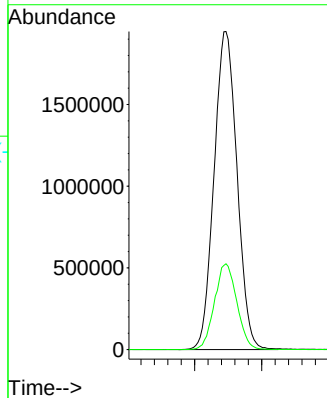
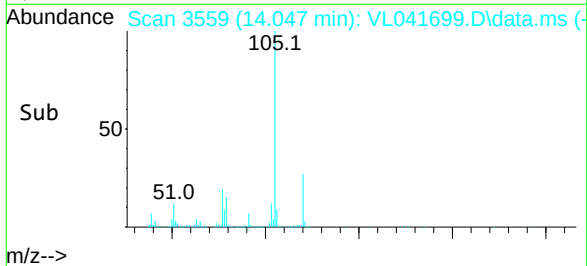
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024

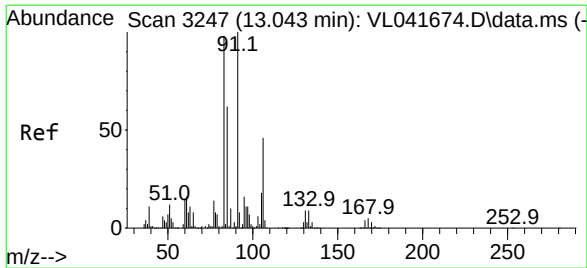


#62
Isopropylbenzene
Concen: 9.890 ppbv
RT: 14.047 min Scan# 3559
Delta R.T. 0.019 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15



Tgt Ion:105 Resp: 4628133
Ion Ratio Lower Upper
105 100
120 26.2 21.1 31.7





#63

1,1,2,2-Tetrachloroethane

Concen: 9.779 ppbv

RT: 13.066 min Scan# 32

Delta R.T. 0.023 min

Lab File: VL041699.D

Acq: 20 Nov 2024 13:15

Instrument :

MSVOA_L

ClientSampleId :

VL1120ABS01

Tgt Ion: 83 Resp: 2179613

Ion Ratio Lower Upper

83 100

131 9.4 4.8 14.3

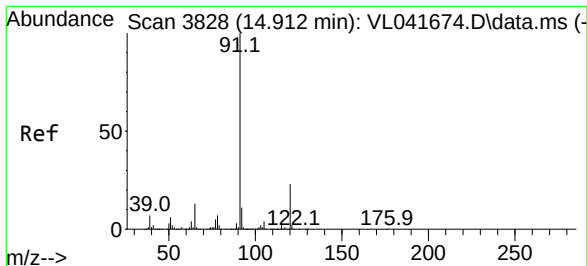
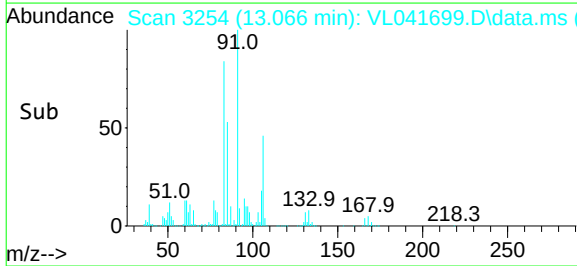
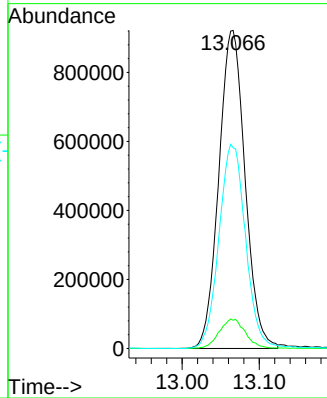
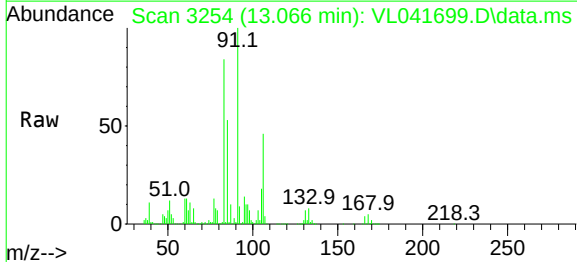
85 65.4 32.6 98.0

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Reviewed By :Semsettin Yesilyurt 11/21/2024

Supervised By :Mahesh Dadoda 11/21/2024



#64

n-propylbenzene

Concen: 10.321 ppbv

RT: 14.931 min Scan# 3834

Delta R.T. 0.019 min

Lab File: VL041699.D

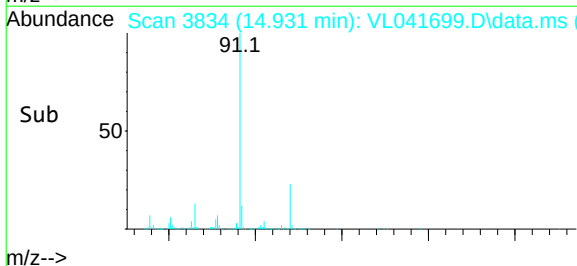
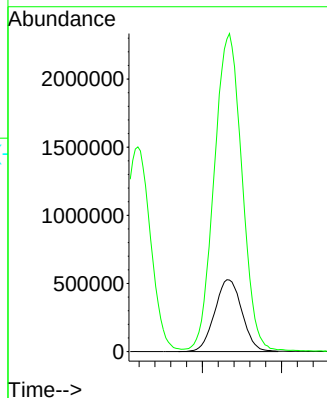
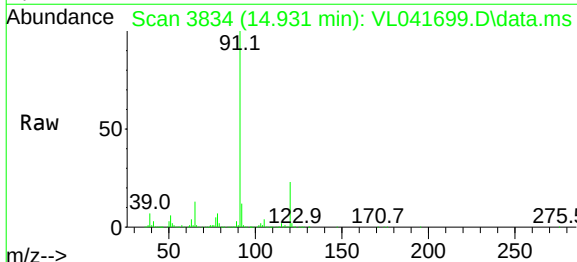
Acq: 20 Nov 2024 13:15

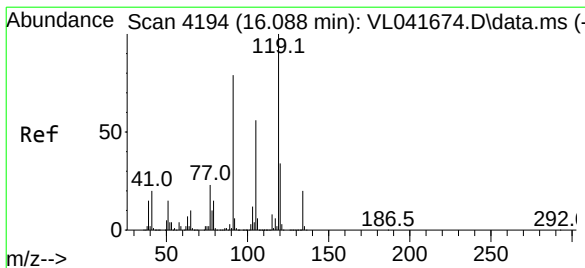
Tgt Ion:120 Resp: 1264315

Ion Ratio Lower Upper

120 100

91 451.4 362.4 543.6





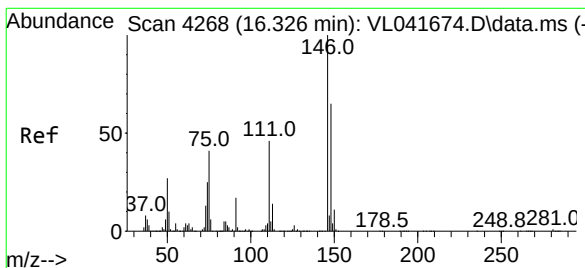
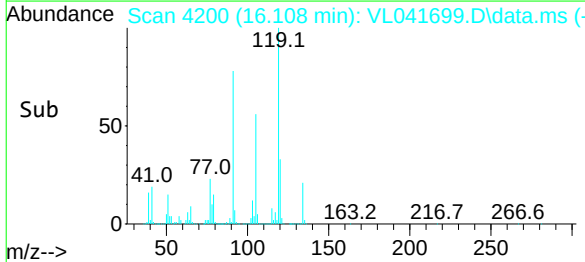
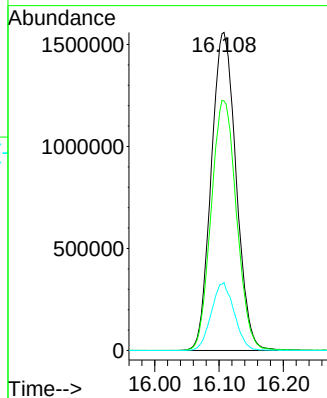
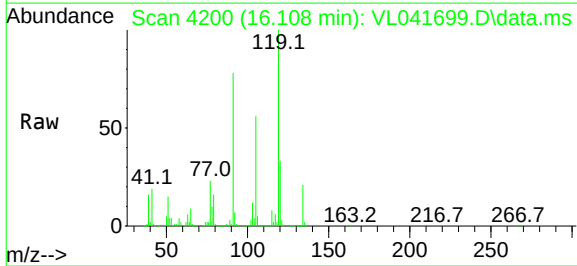
#65
tert-Butylbenzene
Concen: 9.953 ppbv
RT: 16.108 min Scan# 4219
Delta R.T. 0.019 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion:119 Resp: 4185885
Ion Ratio Lower Upper
119 100
91 80.3 64.3 96.5
134 19.8 15.8 23.8

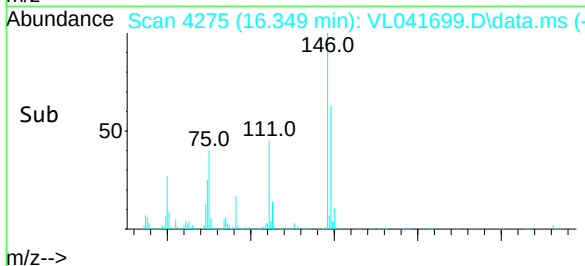
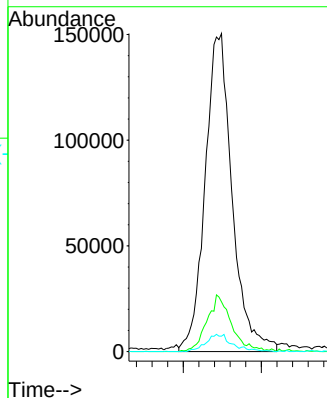
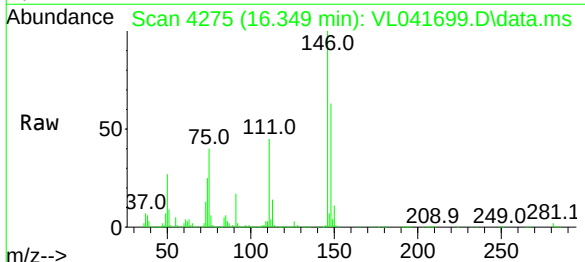
Manual Integrations
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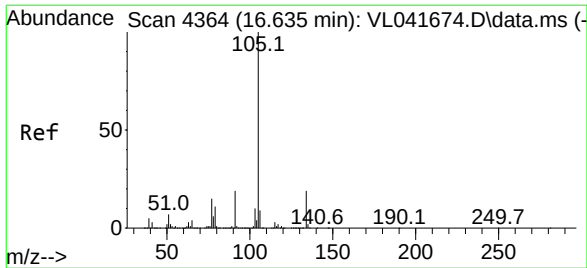
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



#66
Benzyl Chloride
Concen: 11.200 ppbv m
RT: 16.349 min Scan# 4275
Delta R.T. 0.023 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

Tgt Ion: 91 Resp: 362387
Ion Ratio Lower Upper
91 100
126 16.5 13.8 20.6
128 5.3 4.3 6.5





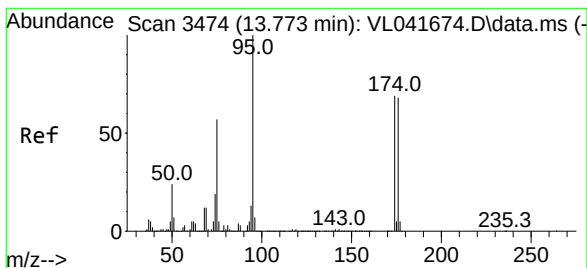
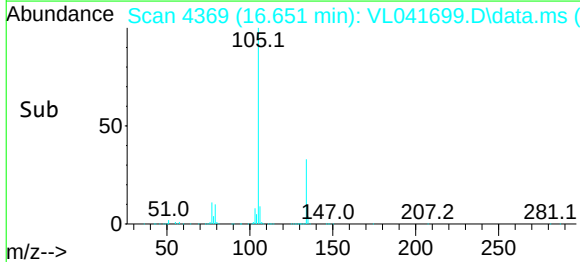
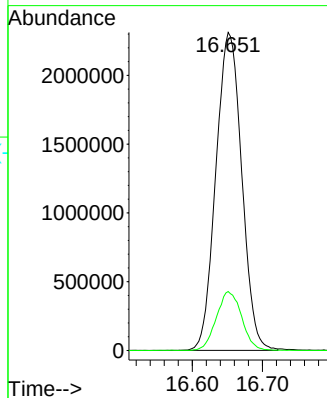
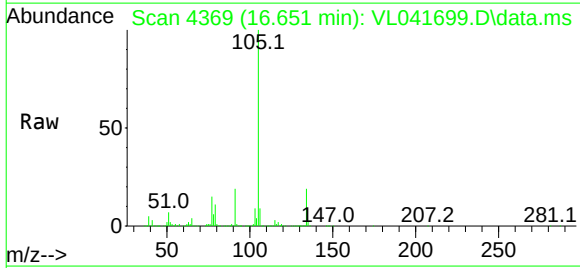
#67
 sec-Butylbenzene
 Concen: 9.974 ppbv
 RT: 16.651 min Scan# 4364
 Delta R.T. 0.016 min
 Lab File: VL041699.D
 Acq: 20 Nov 2024 13:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1120ABS01

Tgt Ion: 105 Resp: 5912468
 Ion Ratio Lower Upper
 105 100
 134 18.2 14.6 22.0

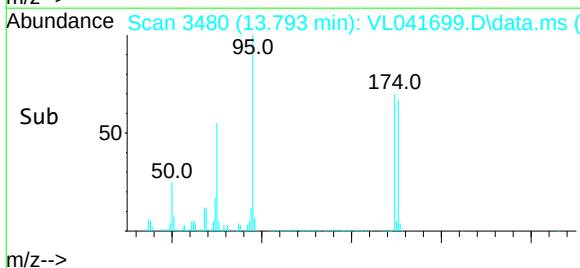
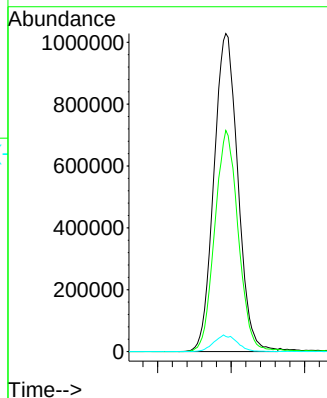
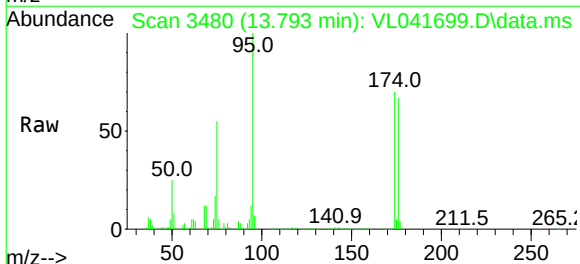
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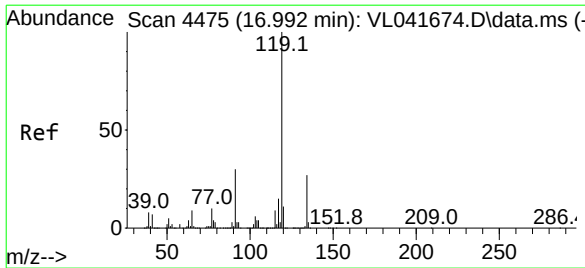
Reviewed By : Semsettin Yesilyurt 11/21/2024
 Supervised By : Mahesh Dadoda 11/21/2024



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.768 ppbv
 RT: 13.793 min Scan# 3480
 Delta R.T. 0.019 min
 Lab File: VL041699.D
 Acq: 20 Nov 2024 13:15

Tgt Ion: 95 Resp: 2329378
 Ion Ratio Lower Upper
 95 100
 174 68.9 55.6 83.4
 175 5.1 4.2 6.2





#69

p-Isopropyltoluene

Concen: 10.341 ppbv

RT: 17.011 min Scan# 4475

Delta R.T. 0.019 min

Lab File: VL041699.D

Acq: 20 Nov 2024 13:15

Instrument :

MSVOA_L

ClientSampleId :

VL1120ABS01

Tgt Ion: 119 Resp: 4955798

Ion Ratio Lower Upper

119 100

134 25.7 20.8 31.2

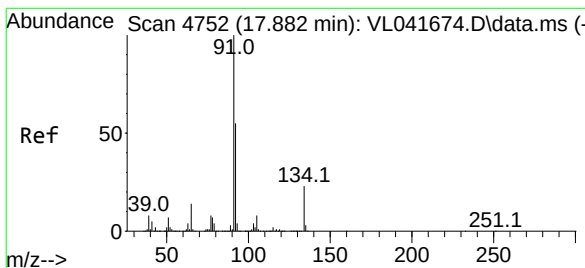
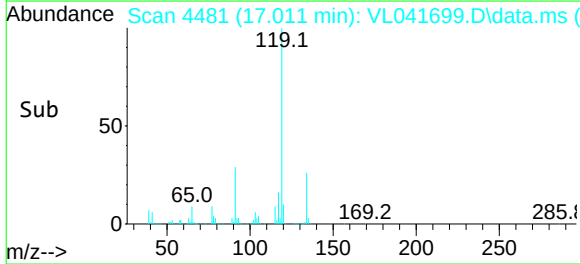
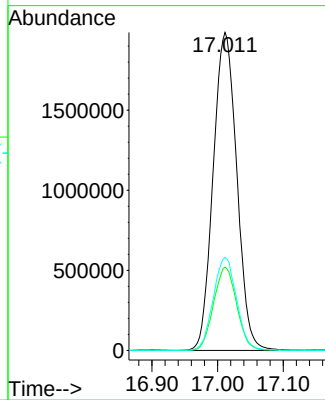
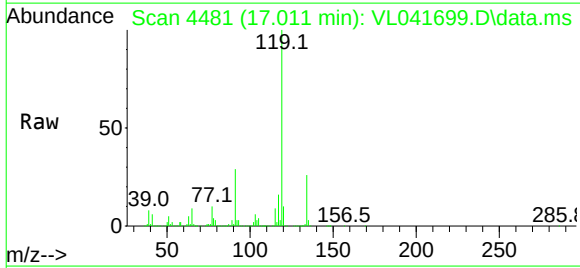
91 28.9 23.2 34.8

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Reviewed By :Semsettin Yesilyurt 11/21/2024

Supervised By :Mahesh Dadoda 11/21/2024



#70

n-Butylbenzene

Concen: 10.390 ppbv

RT: 17.902 min Scan# 4758

Delta R.T. 0.019 min

Lab File: VL041699.D

Acq: 20 Nov 2024 13:15

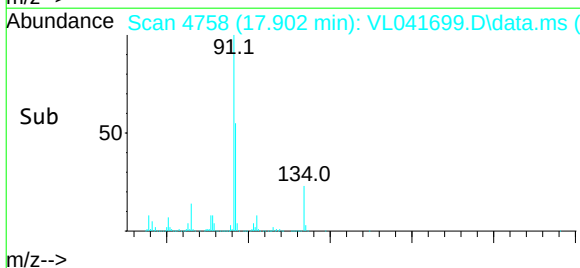
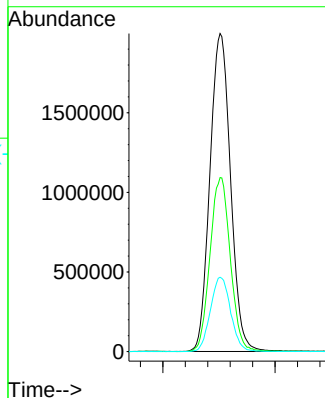
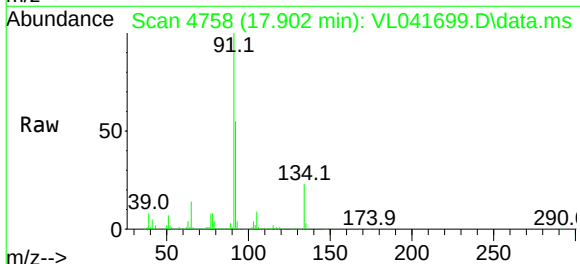
Tgt Ion: 91 Resp: 5094738

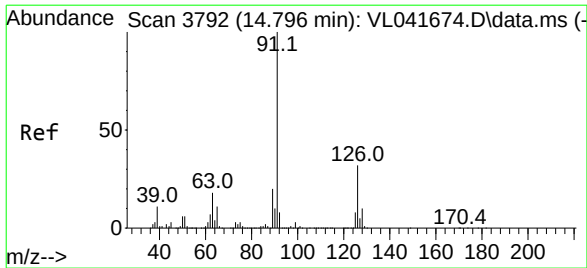
Ion Ratio Lower Upper

91 100

92 54.0 43.3 64.9

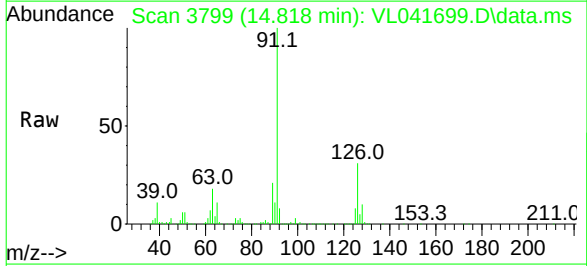
134 23.1 18.4 27.6





#71
2-Chlorotoluene
Concen: 10.366 ppbv
RT: 14.818 min Scan# 3792
Delta R.T. 0.023 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

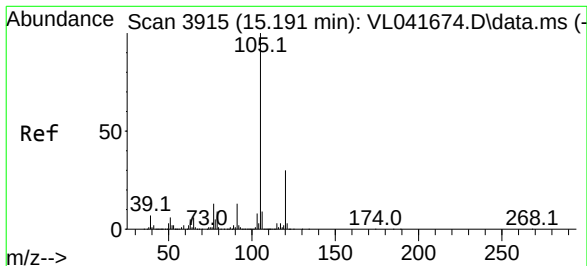
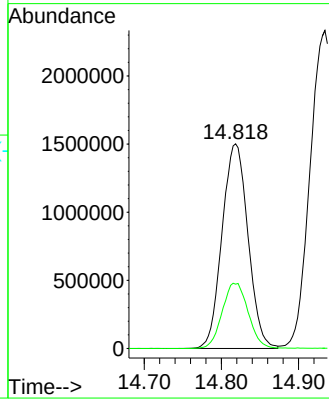
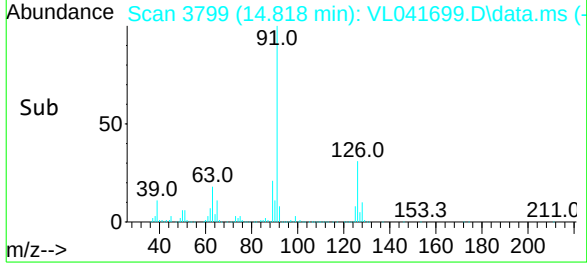
Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01



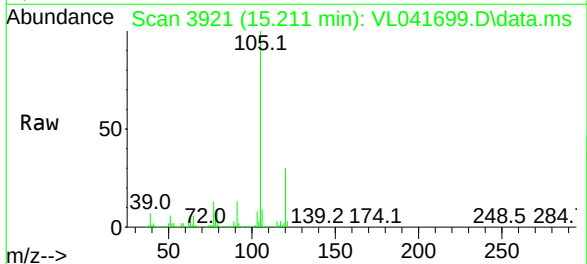
Tgt Ion: 91 Resp: 3506297
Ion Ratio Lower Upper
91 100
126 32.2 12.8 51.0

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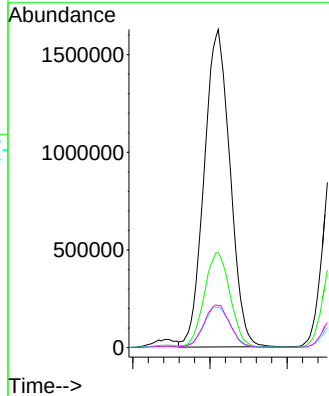
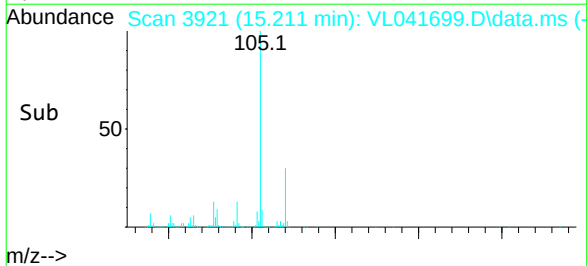
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024

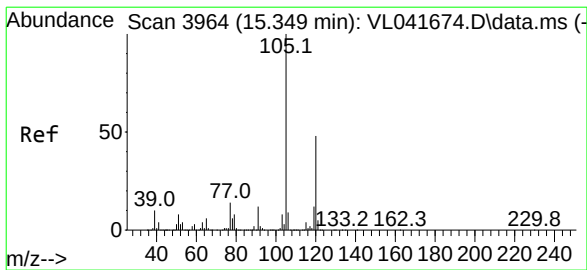


#72
4-Ethyltoluene
Concen: 10.760 ppbv
RT: 15.211 min Scan# 3921
Delta R.T. 0.019 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15



Tgt Ion:105 Resp: 3790505
Ion Ratio Lower Upper
105 100
120 30.8 25.0 37.4
91 13.1 10.6 15.8
77 14.0 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 10.494 ppbv

RT: 15.368 min Scan# 39

Delta R.T. 0.019 min

Lab File: VL041699.D

Acq: 20 Nov 2024 13:15

Instrument :

MSVOA_L

ClientSampleId :

VL1120ABS01

Tgt Ion:105 Resp: 3243824

Ion Ratio Lower Upper

105 100

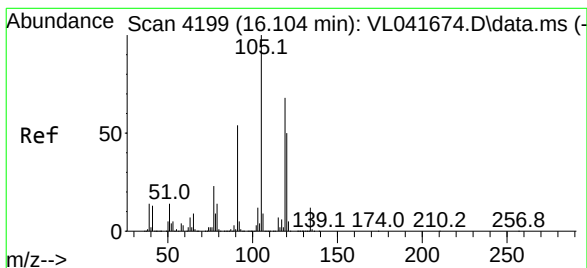
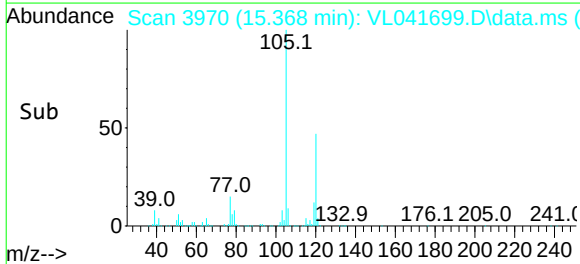
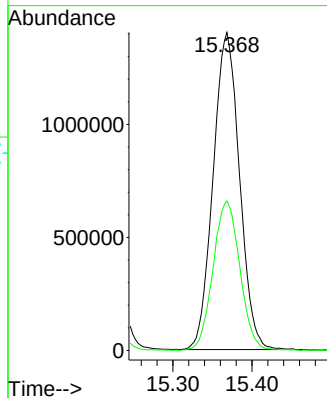
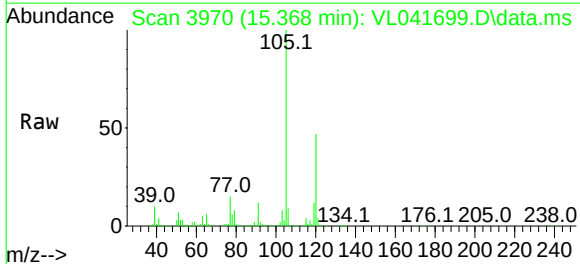
120 47.1 38.4 57.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/21/2024

Supervised By :Mahesh Dadoda 11/21/2024



#74

1,2,4-Trimethylbenzene

Concen: 10.016 ppbv

RT: 16.124 min Scan# 4205

Delta R.T. 0.019 min

Lab File: VL041699.D

Acq: 20 Nov 2024 13:15

Tgt Ion:105 Resp: 3596562

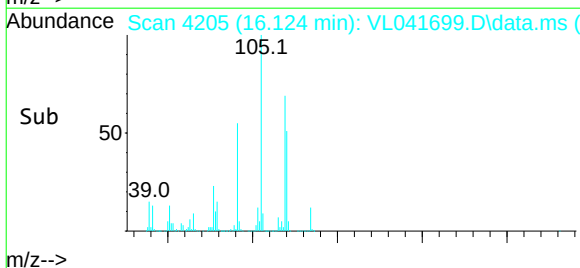
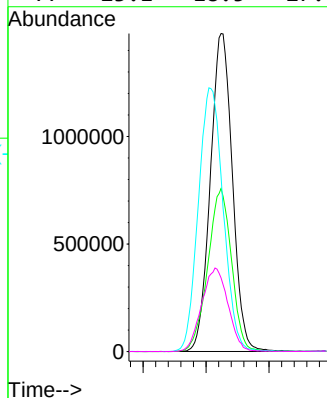
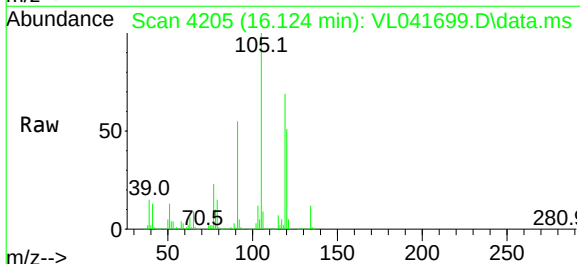
Ion Ratio Lower Upper

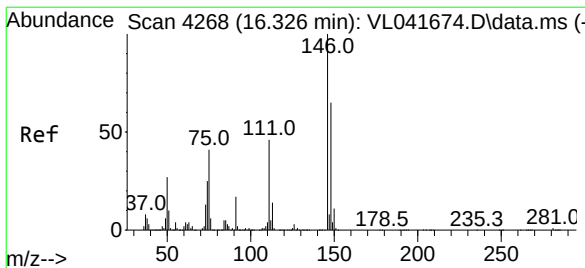
105 100

120 51.2 39.8 59.8

91 54.9 43.2 64.8

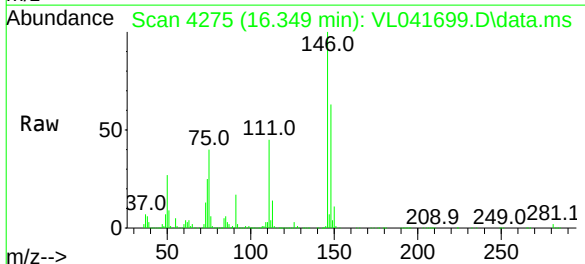
77 23.1 18.5 27.7





#75
1,3-Dichlorobenzene
Concen: 9.942 ppbv
RT: 16.349 min Scan# 4268
Delta R.T. 0.023 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

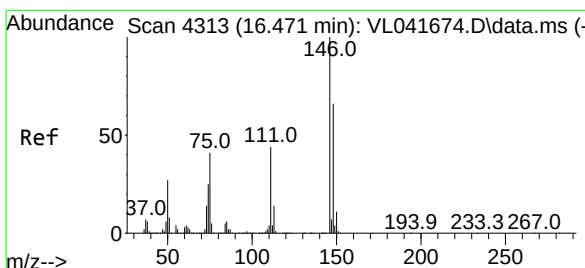
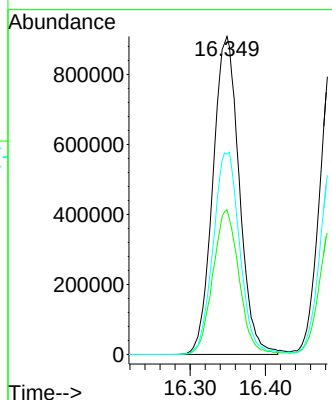
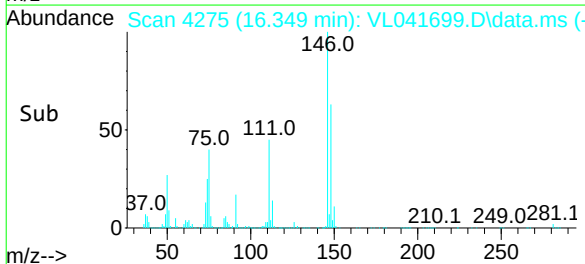
Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01



Tgt Ion:146 Resp: 2210855
Ion Ratio Lower Upper
146 100
111 45.2 22.8 68.3
148 64.1 32.4 97.0

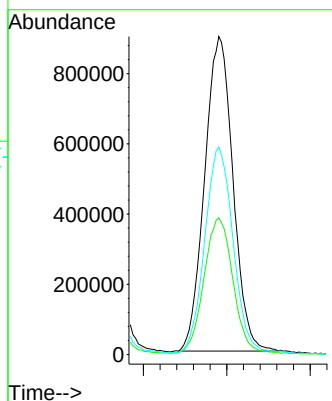
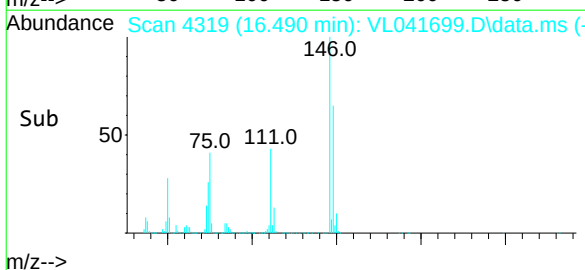
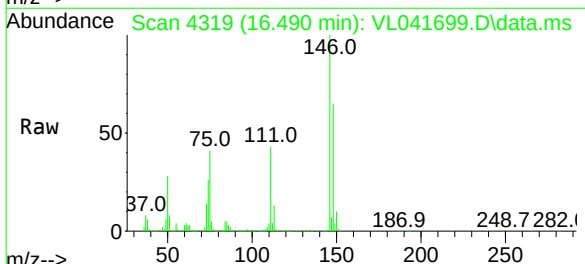
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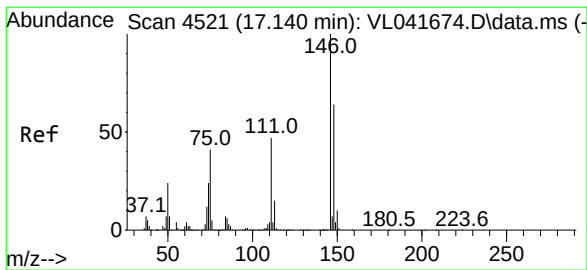
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



#76
1,4-Dichlorobenzene
Concen: 9.858 ppbv
RT: 16.490 min Scan# 4319
Delta R.T. 0.019 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

Tgt Ion:146 Resp: 2115126
Ion Ratio Lower Upper
146 100
111 45.3 22.1 66.3
148 67.4 33.3 99.8





#77

1,2-Dichlorobenzene

Concen: 9.780 ppbv

RT: 17.162 min Scan# 45

Delta R.T. 0.023 min

Lab File: VL041699.D

Acq: 20 Nov 2024 13:15

Instrument :

MSVOA_L

ClientSampleId :

VL1120ABS01

Tgt Ion:146 Resp: 2154411

Ion Ratio Lower Upper

146 100

111 46.7 23.4 70.3

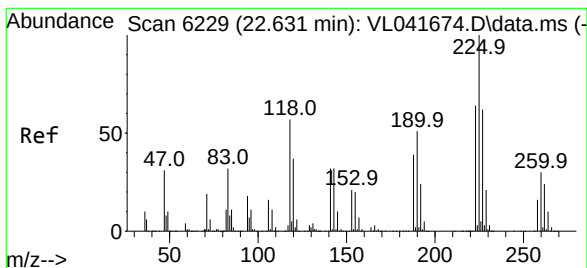
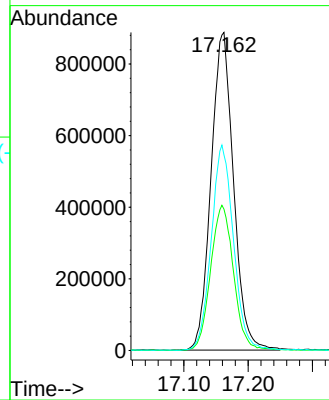
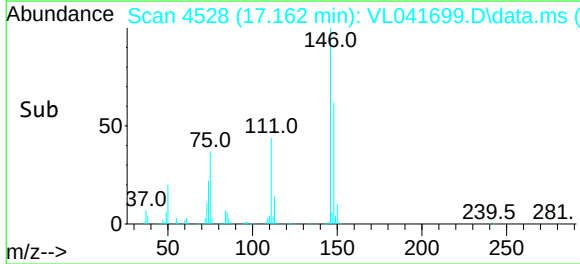
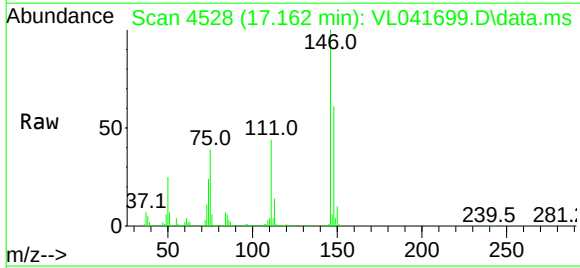
148 64.3 32.1 96.5

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Reviewed By :Semsettin Yesilyurt 11/21/2024

Supervised By :Mahesh Dadoda 11/21/2024



#78

Hexachloro-1,3-Butadiene

Concen: 8.312 ppbv

RT: 22.651 min Scan# 6235

Delta R.T. 0.019 min

Lab File: VL041699.D

Acq: 20 Nov 2024 13:15

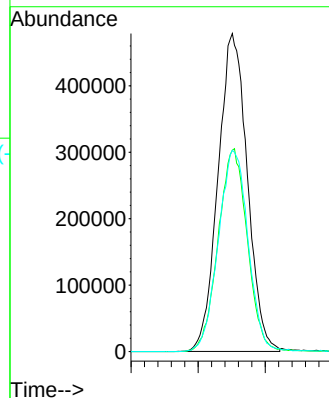
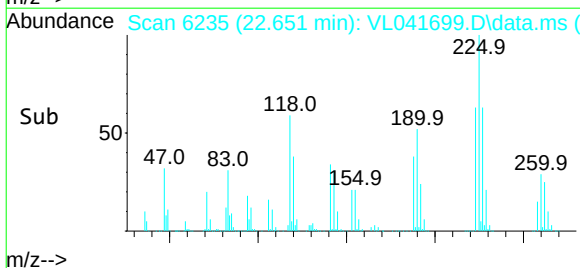
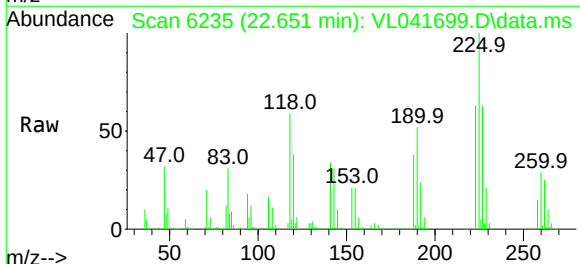
Tgt Ion:225 Resp: 1448199

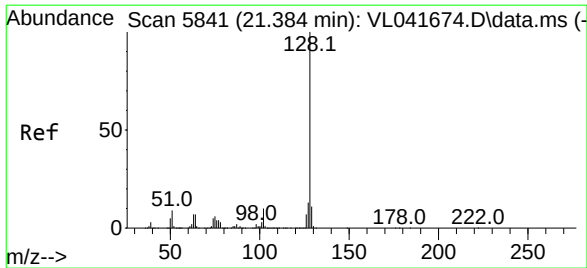
Ion Ratio Lower Upper

225 100

223 63.8 51.1 76.7

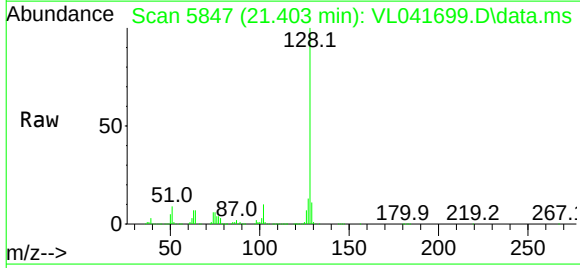
227 64.8 51.3 76.9





#79
Naphthalene
Concen: 13.117 ppbv
RT: 21.403 min Scan# 5841
Delta R.T. 0.019 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

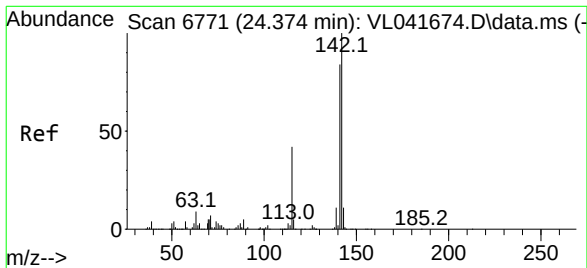
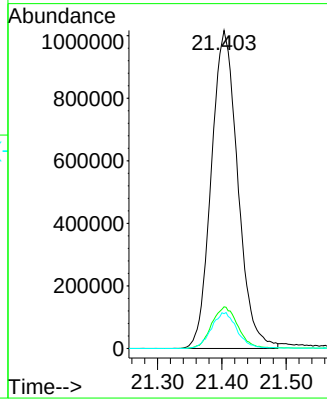
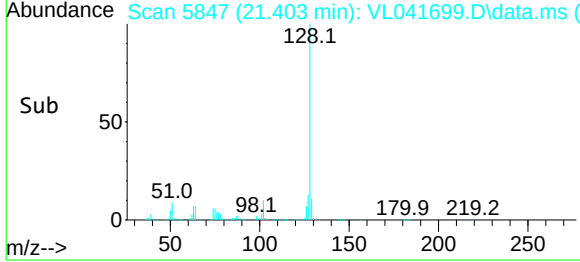
Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01



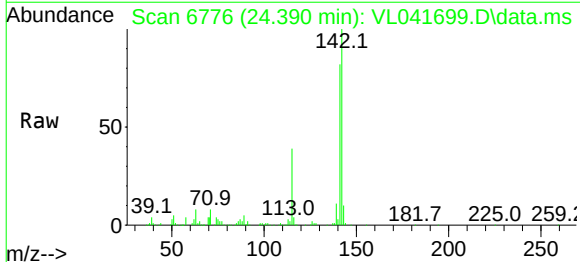
Tgt Ion:128 Resp: 2907132
Ion Ratio Lower Upper
128 100
127 13.1 10.5 15.7
129 10.9 8.7 13.1

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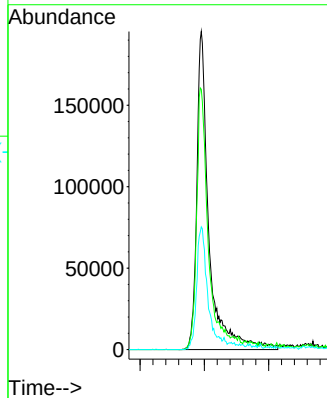
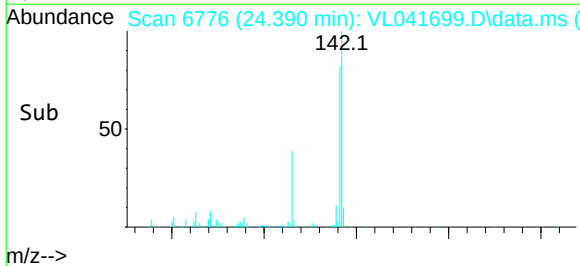
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024

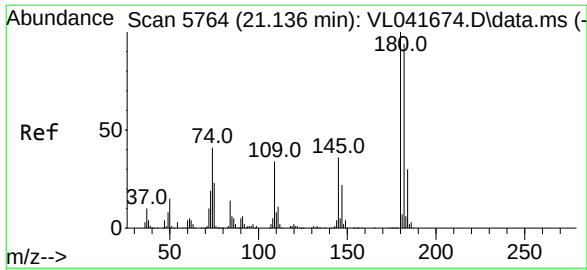


#80
Naphthalene,2-methyl-
Concen: 10.643 ppbv
RT: 24.390 min Scan# 6776
Delta R.T. 0.016 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15



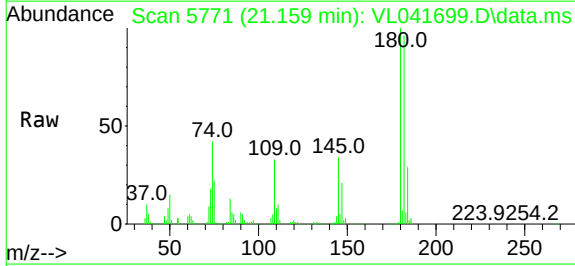
Tgt Ion:142 Resp: 514199
Ion Ratio Lower Upper
142 100
141 79.1 68.1 102.1
115 37.3 33.1 49.7





#81
1,2,4-Trichlorobenzene
Concen: 10.513 ppbv
RT: 21.159 min Scan# 57
Delta R.T. 0.023 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

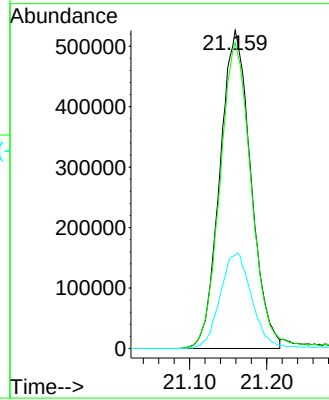
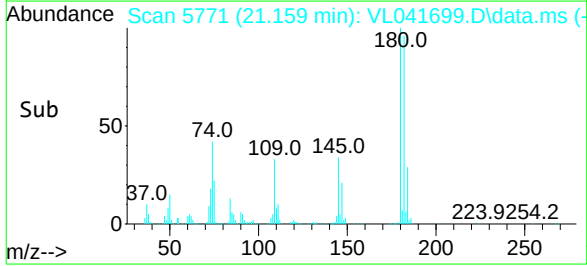
Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01



Tgt Ion:180 Resp: 1465322
Ion Ratio Lower Upper
180 100
182 97.9 78.2 117.2
184 30.8 25.0 37.4

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Air PT	Date Received:	
Client Sample ID:	VL1121ABS01	SDG No.:	P4633
Lab Sample ID:	VL1121ABS01	Matrix:	Air
Analytical Method:	TO-15	Test:	VOCMS Group3
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL041713.D	1		11/21/24 10:16	VL112124

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-45-6	Chlorodifluoromethane	8.70	30.8		0.32	1.77	ug/m3
75-71-8	Dichlorodifluoromethane	7.90	39.1		1.04	2.47	ug/m3
64-17-5	Ethanol	5.00	9.42		0.60	0.94	ug/m3
74-87-3	Chloromethane	9.10	18.8		0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	9.70	24.8		0.030	0.080	ug/m3
141-78-6	Ethyl Acetate	9.30	36.9		0.32	1.98	ug/m3
74-83-9	Bromomethane	8.10	31.4		0.54	1.94	ug/m3
75-00-3	Chloroethane	9.20	24.3		0.45	1.32	ug/m3
109-99-9	Tetrahydrofuran	10.4	30.7		0.38	1.47	ug/m3
75-69-4	Trichlorofluoromethane	9.20	51.7		0.90	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	9.40	72.0		1.23	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	9.00	62.9		0.63	3.49	ug/m3
593-60-2	Bromoethene	9.30	40.7		0.52	2.19	ug/m3
115-07-1	Propene	9.10	15.6		0.26	0.86	ug/m3
75-65-0	tert-Butyl alcohol	9.40	28.5		0.58	1.52	ug/m3
142-82-5	Heptane	10.1	41.4		0.45	2.05	ug/m3
67-63-0	Isopropyl Alcohol	9.40	23.1		0.17	1.23	ug/m3
75-35-4	1,1-Dichloroethene	9.40	37.3		0.56	1.98	ug/m3
67-64-1	Acetone	8.80	20.9		0.57	1.19	ug/m3
75-15-0	Carbon Disulfide	10.6	33.0		0.50	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	9.40	33.9		0.43	1.80	ug/m3
75-09-2	Methylene Chloride	8.70	30.2		0.66	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	9.50	37.7		0.75	1.98	ug/m3
108-05-4	Vinyl Acetate	12.3	44.3		0.58	1.80	ug/m3
75-34-3	1,1-Dichloroethane	9.30	37.6		0.53	2.02	ug/m3
110-82-7	Cyclohexane	9.60	33.0		0.76	1.72	ug/m3
78-93-3	2-Butanone	9.00	26.5		0.35	1.47	ug/m3
56-23-5	Carbon Tetrachloride	10.4	65.4		0.060	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	9.80	38.9		0.36	1.98	ug/m3
67-66-3	Chloroform	9.20	44.9		0.39	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	10.0	54.6		0.050	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	9.80	45.8		0.47	2.34	ug/m3
71-43-2	Benzene	9.80	31.3		0.29	1.60	ug/m3
107-06-2	1,2-Dichloroethane	9.70	39.3		0.36	2.02	ug/m3
79-01-6	Trichloroethene	14.3	76.8		0.11	0.16	ug/m3

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Air PT	Date Received:	
Client Sample ID:	VL1121ABS01	SDG No.:	P4633
Lab Sample ID:	VL1121ABS01	Matrix:	Air
Analytical Method:	TO-15	Test:	VOCMS Group3
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL041713.D	1		11/21/24 10:16	VL112124

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
78-87-5	1,2-Dichloropropane	9.60	44.4	0.51		2.31	ug/m3
75-27-4	Bromodichloromethane	10.0	67.0	0.54		3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	10.4	42.6	0.37		2.05	ug/m3
108-88-3	Toluene	10.7	40.3	0.41		1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	9.90	44.9	0.27		2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	10.2	46.3	0.27		2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	9.50	51.8	0.38		2.73	ug/m3
591-78-6	2-Hexanone	11.2	45.8	0.33		2.04	ug/m3
124-48-1	Dibromochloromethane	10.2	86.9	0.60		4.26	ug/m3
106-93-4	1,2-Dibromoethane	10.6	81.5	0.54		0.77	ug/m3
127-18-4	Tetrachloroethene	10.4	70.5	0.14		0.20	ug/m3
108-90-7	Chlorobenzene	9.70	44.7	0.37		2.30	ug/m3
100-41-4	Ethyl Benzene	11.3	49.1	0.52		2.17	ug/m3
179601-23-1	m/p-Xylene	21.4	93.0	0.91		4.34	ug/m3
1330-20-7	Total Xylenes	32.4	141	1.43		6.52	ug/m3
95-47-6	o-Xylene	11.0	47.8	0.52		2.17	ug/m3
100-42-5	Styrene	12.6	53.6	0.47		2.13	ug/m3
75-25-2	Bromoform	10.5	109	0.62		5.17	ug/m3
98-82-8	Isopropylbenzene	10.2	50.1	0.44		2.46	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	5.90	40.5	0.070		0.21	ug/m3
95-49-8	2-Chlorotoluene	10.7	55.4	0.57		2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	10.9	53.6	0.54		2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	10.4	51.1	0.39		2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	10.2	61.3	0.48		3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	10.4	62.5	0.30		3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	10.0	60.1	0.48		3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	11.0	81.7	0.67		3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	8.80	93.9	0.96		5.33	ug/m3
106-99-0	1,3-Butadiene	9.80	21.7	0.29		1.11	ug/m3
91-20-3	Naphthalene	13.3	69.7	0.42		0.52	ug/m3
622-96-8	4-Ethyltoluene	11.2	55.1	0.59		2.46	ug/m3
110-54-3	Hexane	9.60	33.8	0.39		1.76	ug/m3
107-05-1	Allyl Chloride	9.70	30.4	0.47		1.57	ug/m3
123-91-1	1,4-Dioxane	10.9	39.3	0.76		1.80	ug/m3
100-44-7	Benzyl Chloride	6.20	32.1	0.93		2.59	ug/m3
80-62-6	Methyl Methacrylate	10.9	44.6	0.37		2.05	ug/m3

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	NJ Air PT	Date Received:	
Client Sample ID:	VL1121ABS01	SDG No.:	P4633
Lab Sample ID:	VL1121ABS01	Matrix:	Air
Analytical Method:	TO-15	Test:	VOCMS Group3
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL041713.D	1		11/21/24 10:16	VL112124

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.4			65 - 135	104%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	1130000		5.227			
540-36-3	1,4-Difluorobenzene	3170000		6.687			
3114-55-4	Chlorobenzene-d5	2890000		11.5			

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112124\
 Data File : VL041713.D
 Acq On : 21 Nov 2024 10:16
 Operator : SY/MD
 Sample : VL1121ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1121ABS01

Quant Time: Nov 22 01:06:55 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Fri Nov 22 01:00:55 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 11/22/2024
 Supervised By : Mahesh Dadoda 11/22/2024

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

Internal Standards						
1) Bromochloromethane	5.227	49	1134955	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.687	114	3168983	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.500	117	2890162m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.806	95	2215094	10.402	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.000%

Target Compounds	Qvalue					
2) Dichlorodifluoromethane	2.764	85	1630144	7.947	ppbv	98
3) Chlorodifluoromethane	2.706	51	1285062	8.690	ppbv	99
4) Chloromethane	2.848	50	716415	9.146	ppbv	96
5) Vinyl Chloride	2.954	62	682024	9.680	ppbv	100
6) Bromomethane	3.153	94	304189	8.138	ppbv	98
7) Chloroethane	3.230	64	237287	9.227	ppbv	98
8) Dichlorotetrafluoroethane	2.890	85	1655625	9.041	ppbv	99
9) Propene	2.729	41	588833	9.138	ppbv	100
10) Heptane	7.613	43	1461776	10.124	ppbv	99
11) Trichlorofluoromethane	3.594	101	1648437	9.226	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.099	101	1220108	9.395	ppbv	98
13) Ethanol	3.292	45	19898m	5.043	ppbv	
14) Bromoethene	3.401	108	483950	9.269	ppbv	98
15) Acetone	3.501	43	1224405	8.766	ppbv	100
16) 1,3-Butadiene	3.018	39	687757	9.758	ppbv	100
17) tert-Butyl alcohol	3.912	59	1149012	9.374	ppbv	100
18) 1,1-Dichloroethene	3.915	96	535425	9.400	ppbv	97
19) Isopropyl Alcohol	3.610	45	625847	9.374	ppbv	100
20) Methylene Chloride	3.967	84	445518	8.668	ppbv	98
21) Allyl Chloride	4.031	41	833062	9.652	ppbv	97
22) trans-1,2-Dichloroethene	4.478	96	536875	9.479	ppbv	100
23) Vinyl Acetate	4.658	43	757071	12.295	ppbv #	97
24) 1,1-Dichloroethane	4.597	63	1176486	9.307	ppbv	99
25) Ethyl Acetate	5.237	43	2679235	9.267	ppbv	99
26) Hexane	5.246	57	1065415	9.591	ppbv	98
27) Carbon Disulfide	4.156	76	1327851	10.640	ppbv	99
28) Methyl tert-Butyl Ether	4.619	73	670312	9.371	ppbv	99
29) Chloroform	5.308	83	1693486	9.236	ppbv	100
30) Cyclohexane	6.635	84	903309	9.550	ppbv	98
31) cis-1,2-Dichloroethene	5.111	61	1042430	9.755	ppbv	99
32) 1,1,1-Trichloroethane	6.037	97	1669061	9.978	ppbv	100
34) 2-Butanone	4.819	43	1417727	8.985	ppbv	99
35) Carbon Tetrachloride	6.529	117	1741838	10.418	ppbv	99
36) Benzene	6.404	78	2312069	9.847	ppbv	100
37) 1,2-Dichloroethane	5.841	62	1284047	9.693	ppbv	99
38) Trichloroethene	7.327	130	1289883	14.303	ppbv	98
39) 1,2-Dichloropropane	7.105	63	891656	9.610	ppbv	97
40) 1,4-Dioxane	7.317	88	363295	10.912	ppbv	90
41) Tetrahydrofuran	5.590	42	934965	10.375	ppbv	99
42) Bromodichloromethane	7.285	83	1839599	9.994	ppbv	99
43) Methyl Methacrylate	7.507	69	901641	10.937	ppbv	99
44) 2,2,4-Trimethylpentane	7.359	57	3894162	9.791	ppbv	100
45) t-1,3-Dichloropropene	8.745	75	748133	9.931	ppbv	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112124\
 Data File : VL041713.D
 Acq On : 21 Nov 2024 10:16
 Operator : SY/MD
 Sample : VL1121ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1121ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/22/2024
 Supervised By : Mahesh Dadoda 11/22/2024

Quant Time: Nov 22 01:06:55 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M

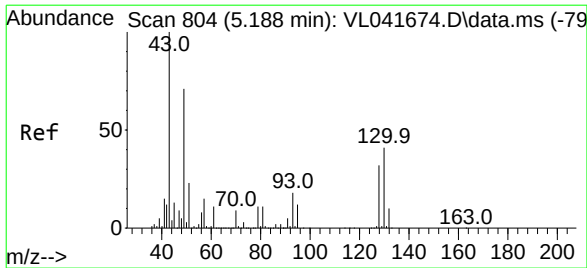
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Nov 22 01:00:55 2024

Response via : Initial Calibration

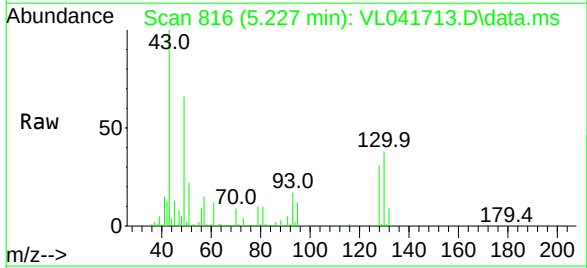
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.179	75	1103972	10.203	ppbv	98
47) 1,1,2-Trichloroethane	8.934	97	949123	9.451	ppbv	98
48) Dibromochloromethane	9.745	129	1553797	10.178	ppbv	100
49) Bromoform	12.439	173	1365111	10.451	ppbv	100
50) 4-Methyl-2-Pentanone	8.214	43	2511109	10.366	ppbv	100
51) 2-Hexanone	9.584	43	1968115	11.157	ppbv	100
52) Tetrachloroethene	10.648	164	833665	10.419	ppbv	97
53) Toluene	9.253	91	2633054	10.664	ppbv	99
54) 1,2-Dibromoethane	10.040	107	1247128	10.629	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.542	131	1158400	9.718	ppbv	100
57) Chlorobenzene	11.561	112	2078199	9.722	ppbv	99
58) Ethyl Benzene	12.121	91	3565857	11.254	ppbv	98
59) m/p-Xylene	12.404	91	6079786m	21.427	ppbv	
60) o-Xylene	13.089	91	2972199	10.985	ppbv	99
61) Styrene	12.931	104	1410360	12.630	ppbv	100
62) Isopropylbenzene	14.060	105	4263154	10.202	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.079	83	1179536	5.927	ppbv	99
64) n-propylbenzene	14.947	120	1146628	10.482	ppbv	99
65) tert-Butylbenzene	16.121	119	3836581	10.215	ppbv	100
66) Benzyl Chloride	16.359	91	179175	6.202	ppbv	96
67) sec-Butylbenzene	16.664	105	5364091	10.134	ppbv	100
69) p-Isopropyltoluene	17.027	119	4458745	10.419	ppbv	100
70) n-Butylbenzene	17.918	91	4604740	10.517	ppbv	100
71) 2-Chlorotoluene	14.835	91	3223209	10.671	ppbv	99
72) 4-Ethyltoluene	15.224	105	3514757	11.173	ppbv	99
73) 1,3,5-Trimethylbenzene	15.381	105	2999740	10.867	ppbv	100
74) 1,2,4-Trimethylbenzene	16.140	105	3320988	10.358	ppbv	97
75) 1,3-Dichlorobenzene	16.362	146	2028386	10.215	ppbv	100
76) 1,4-Dichlorobenzene	16.506	146	1989769	10.386	ppbv	99
77) 1,2-Dichlorobenzene	17.175	146	1974338	10.037	ppbv	99
78) Hexachloro-1,3-Butadiene	22.670	225	1371815	8.817	ppbv	99
79) Naphthalene	21.419	128	2632672	13.302	ppbv	99
80) Naphthalene,2-methyl-	24.403	142	1177283	27.288	ppbv	96
81) 1,2,4-Trichlorobenzene	21.175	180	1367312m	10.986	ppbv	

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.227 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

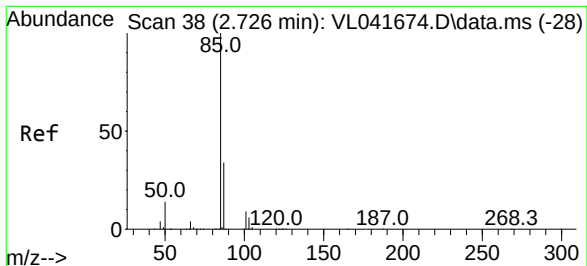
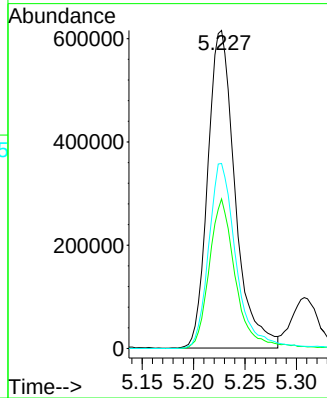
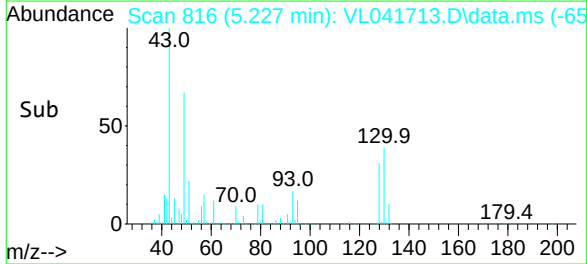
Instrument :
MSVOA_L
ClientSampleId :
VL1121ABS01



Tgt Ion: 49 Resp: 1134955
Ion Ratio Lower Upper
49 100
128 46.2 23.8 71.2
130 59.4 30.1 90.5

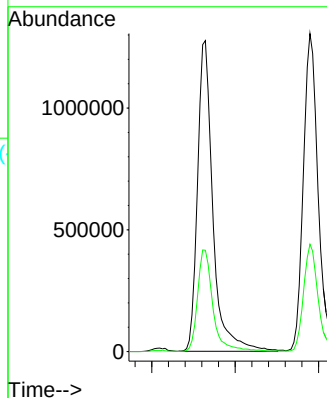
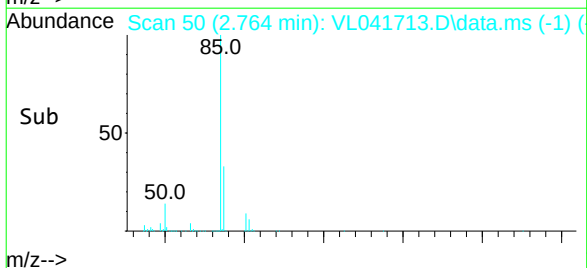
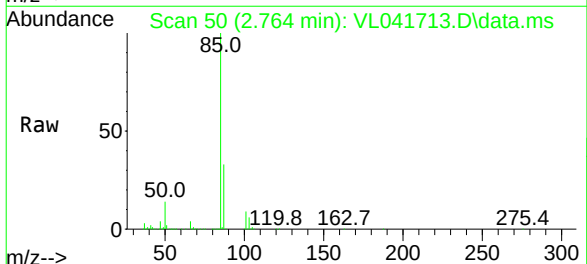
Manual Integrations
APPROVED

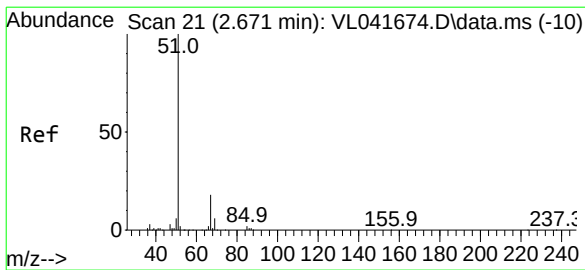
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#2
Dichlorodifluoromethane
Concen: 7.947 ppbv
RT: 2.764 min Scan# 50
Delta R.T. 0.006 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

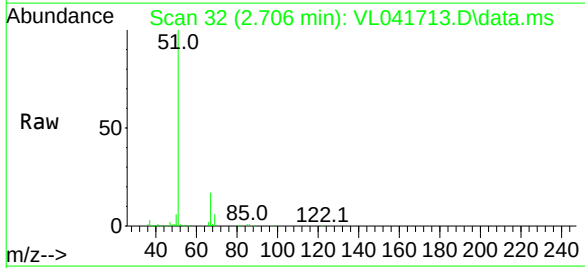
Tgt Ion: 85 Resp: 1630144
Ion Ratio Lower Upper
85 100
87 32.6 26.8 40.2





#3
Chlorodifluoromethane
Concen: 8.690 ppbv
RT: 2.706 min Scan# 32
Delta R.T. 0.003 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

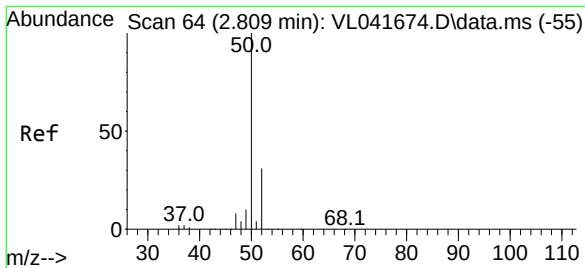
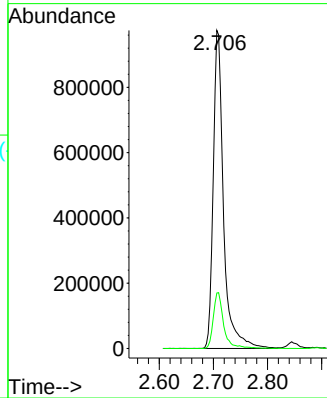
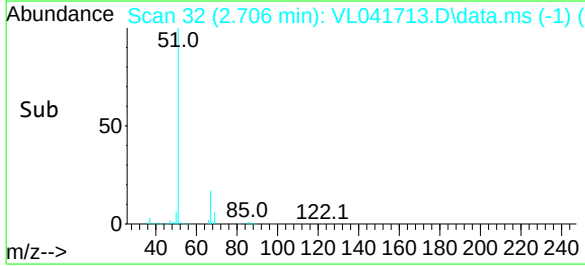
Instrument :
MSVOA_L
ClientSampleId :
VL1121ABS01



Tgt Ion: 51 Resp: 1285062
Ion Ratio Lower Upper
51 100
67 18.0 13.9 20.9

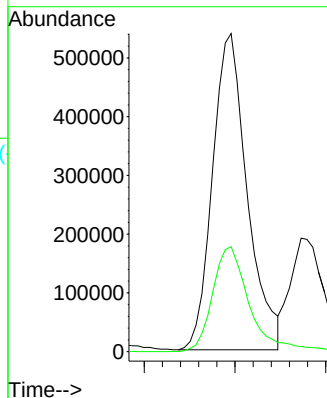
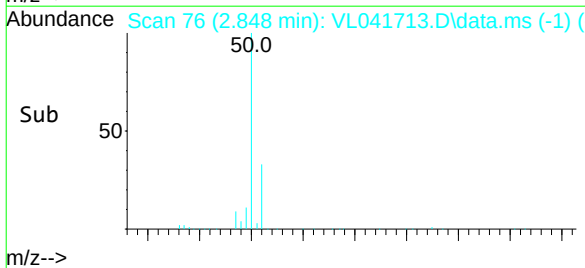
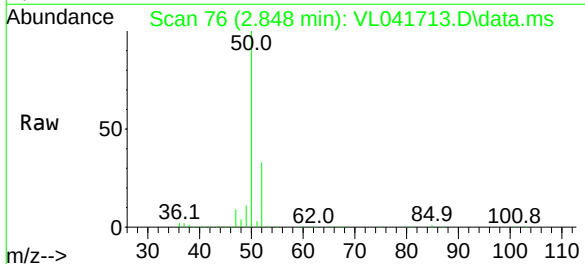
Manual Integrations
APPROVED

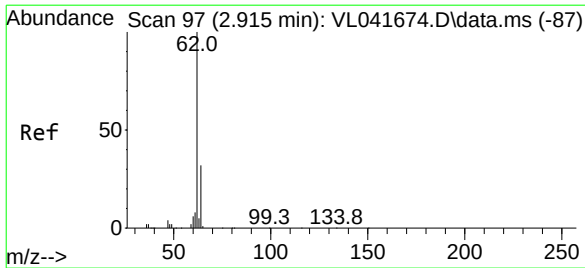
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#4
Chloromethane
Concen: 9.146 ppbv
RT: 2.848 min Scan# 76
Delta R.T. 0.006 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

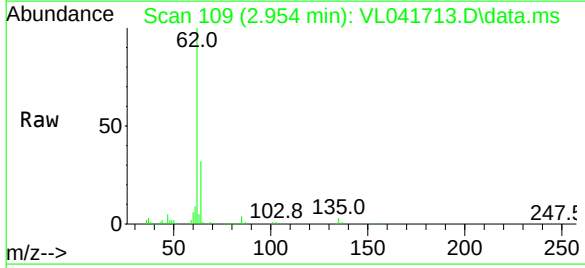
Tgt Ion: 50 Resp: 716415
Ion Ratio Lower Upper
50 100
52 33.2 24.9 37.3





#5
 Vinyl Chloride
 Concen: 9.680 ppbv
 RT: 2.954 min Scan# 10
 Delta R.T. 0.006 min
 Lab File: VL041713.D
 Acq: 21 Nov 2024 10:16

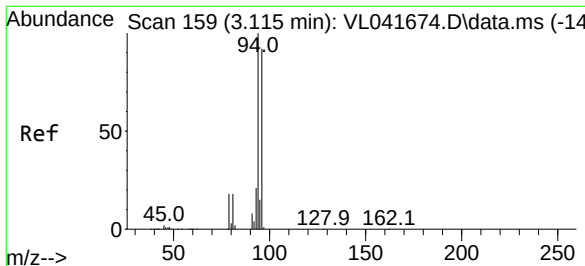
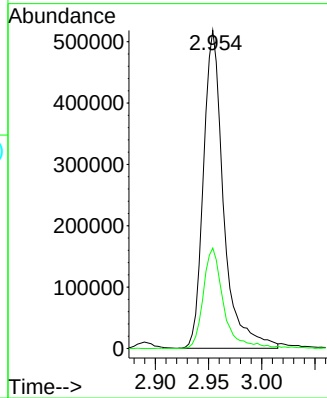
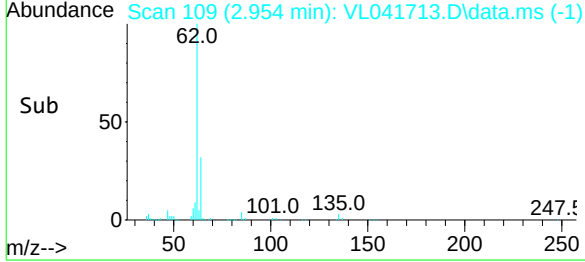
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1121ABS01



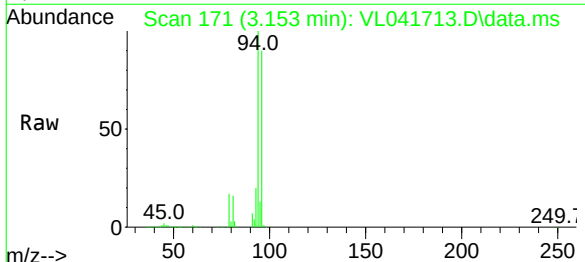
Tgt Ion: 62 Resp: 682024
 Ion Ratio Lower Upper
 62 100
 64 31.6 25.4 38.2

Manual Integrations
 APPROVED

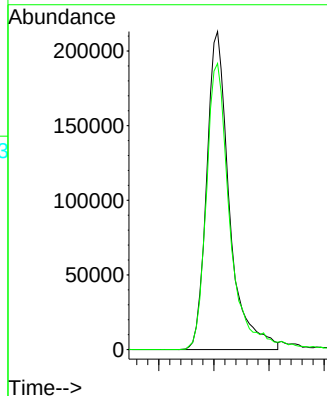
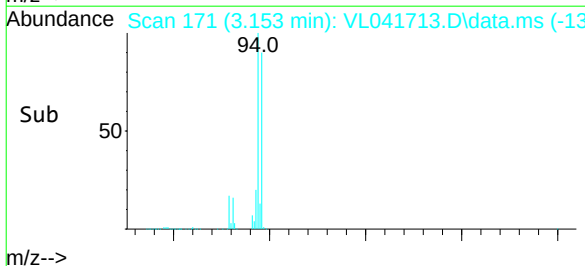
Reviewed By :Semsettin Yesilyurt 11/22/2024
 Supervised By :Mahesh Dadoda 11/22/2024

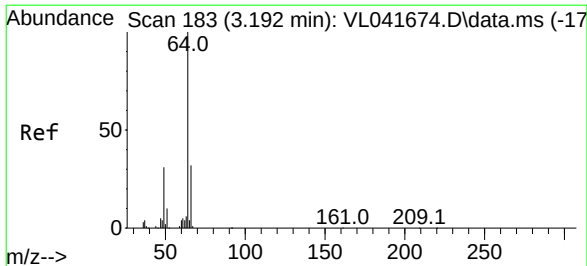


#6
 Bromomethane
 Concen: 8.138 ppbv
 RT: 3.153 min Scan# 171
 Delta R.T. 0.006 min
 Lab File: VL041713.D
 Acq: 21 Nov 2024 10:16



Tgt Ion: 94 Resp: 304189
 Ion Ratio Lower Upper
 94 100
 96 90.0 73.4 110.2





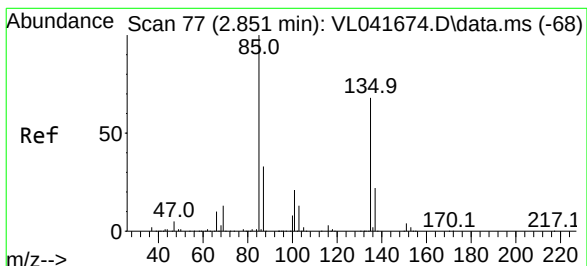
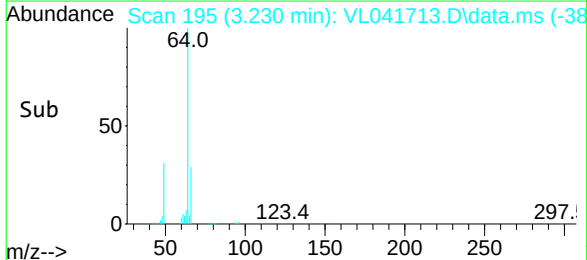
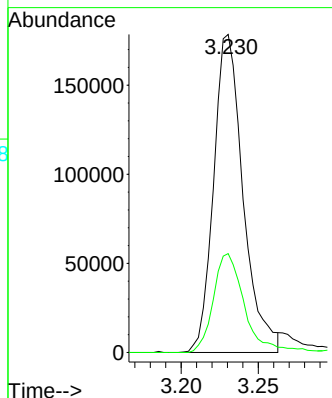
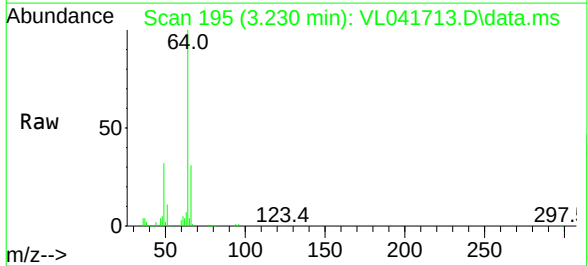
#7
Chloroethane
Concen: 9.227 ppbv
RT: 3.230 min Scan# 19
Delta R.T. 0.003 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

Instrument :
MSVOA_L
ClientSampleId :
VL1121ABS01

Tgt Ion: 64 Resp: 237287
Ion Ratio Lower Upper
64 100
66 31.1 25.9 38.9

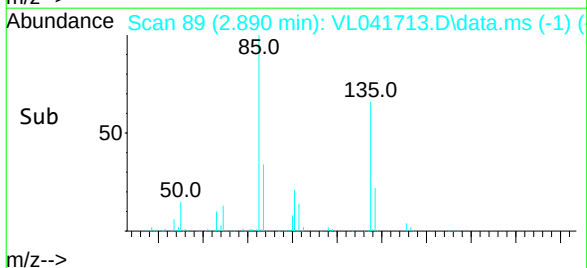
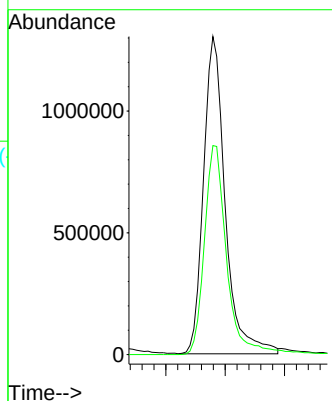
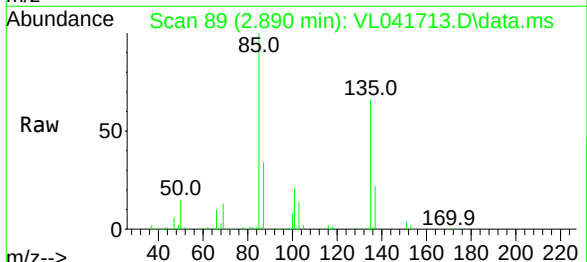
Manual Integrations
APPROVED

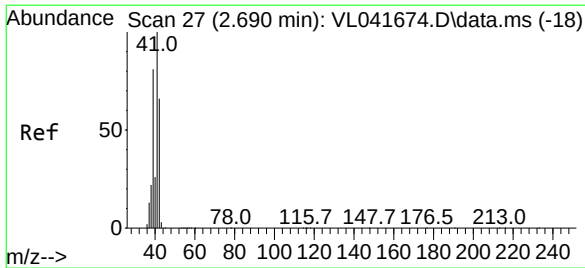
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#8
Dichlorotetrafluoroethane
Concen: 9.041 ppbv
RT: 2.890 min Scan# 89
Delta R.T. 0.006 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

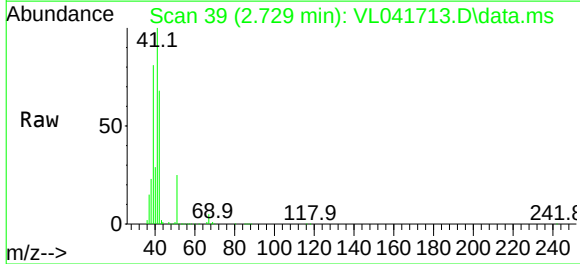
Tgt Ion: 85 Resp: 1655625
Ion Ratio Lower Upper
85 100
135 68.5 55.5 83.3





#9
Propene
Concen: 9.138 ppbv
RT: 2.729 min Scan# 39
Delta R.T. 0.006 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

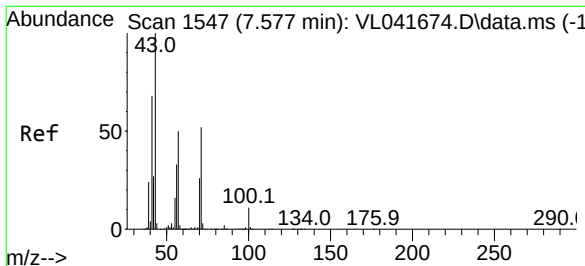
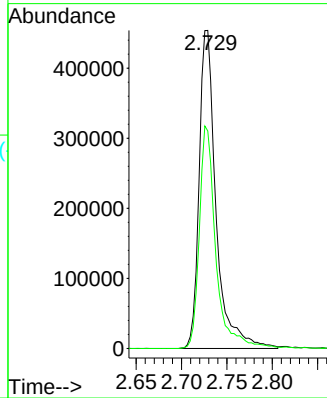
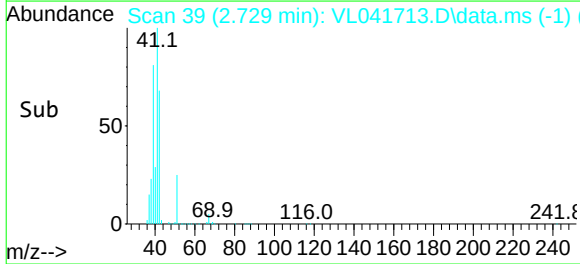
Instrument :
MSVOA_L
ClientSampleId :
VL1121ABS01



Tgt Ion: 41 Resp: 588833
Ion Ratio Lower Upper
41 100
42 68.8 55.0 82.4

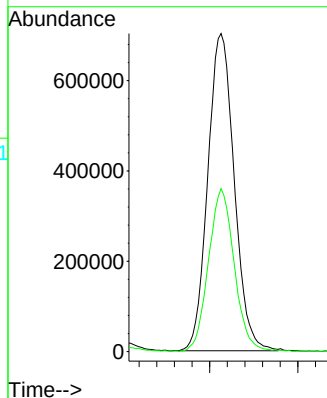
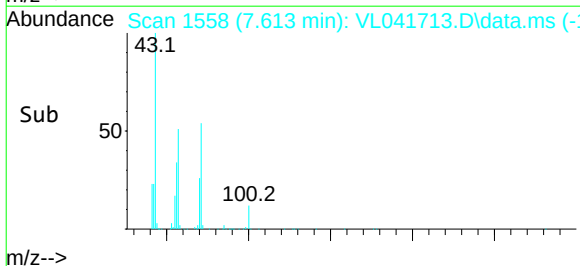
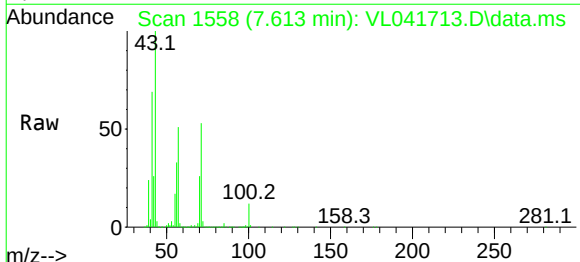
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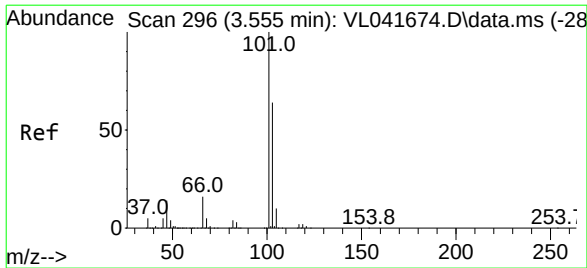
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#10
Heptane
Concen: 10.124 ppbv
RT: 7.613 min Scan# 1558
Delta R.T. 0.003 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

Tgt Ion: 43 Resp: 1461776
Ion Ratio Lower Upper
43 100
57 50.4 40.0 60.0





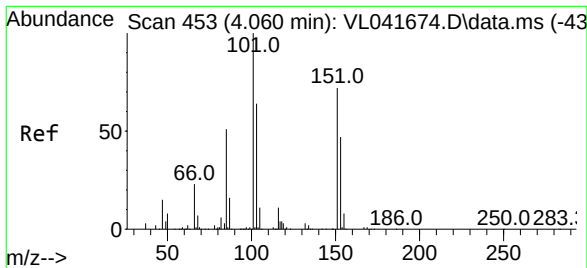
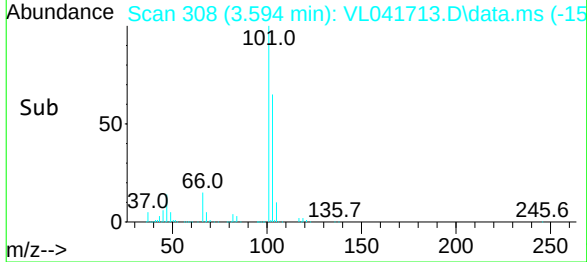
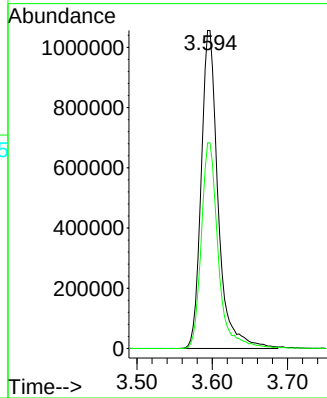
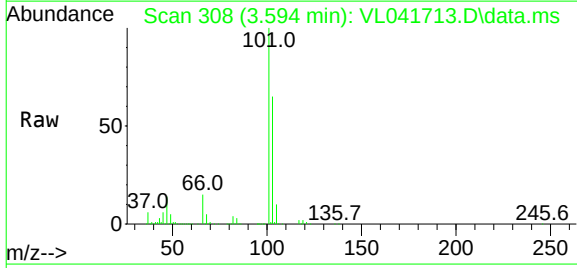
#11
 Trichlorofluoromethane
 Concen: 9.226 ppbv
 RT: 3.594 min Scan# 308
 Delta R.T. 0.003 min
 Lab File: VL041713.D
 Acq: 21 Nov 2024 10:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1121ABS01

Tgt Ion:101 Resp: 1648437
 Ion Ratio Lower Upper
 101 100
 103 64.7 51.0 76.6

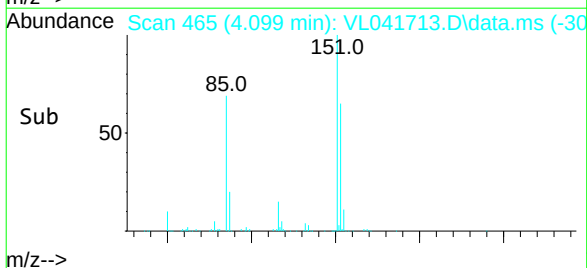
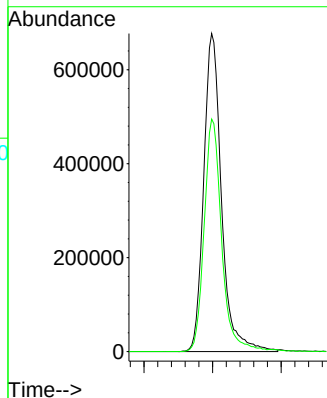
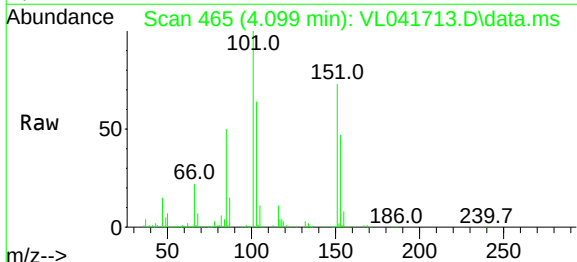
Manual Integrations
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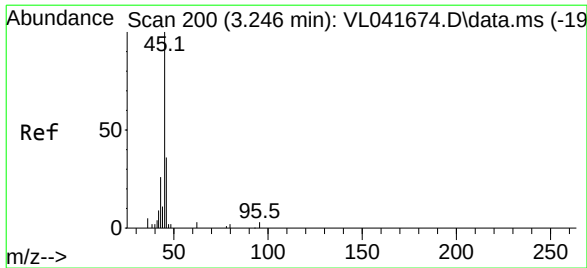
Reviewed By :Semsettin Yesilyurt 11/22/2024
 Supervised By :Mahesh Dadoda 11/22/2024



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.395 ppbv
 RT: 4.099 min Scan# 465
 Delta R.T. 0.003 min
 Lab File: VL041713.D
 Acq: 21 Nov 2024 10:16

Tgt Ion:101 Resp: 1220108
 Ion Ratio Lower Upper
 101 100
 151 72.5 59.1 88.7





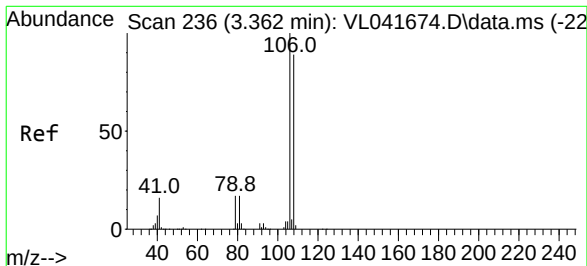
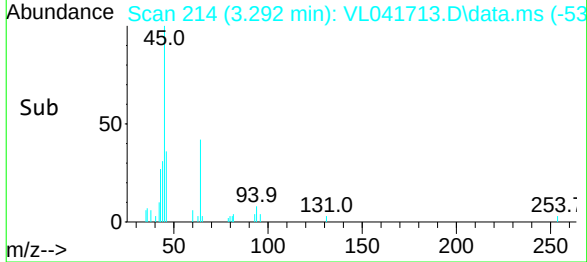
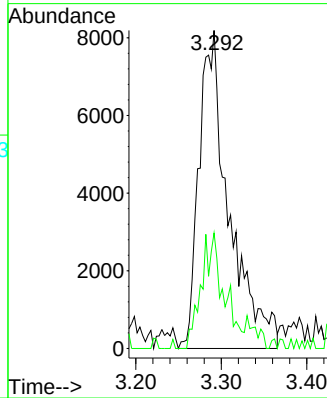
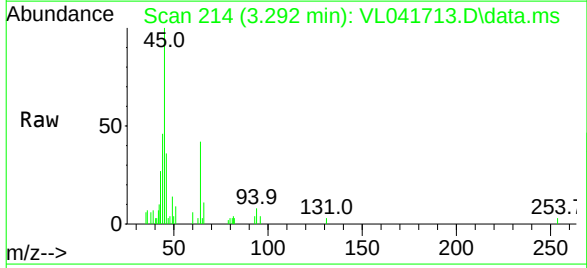
#13
Ethanol
Concen: 5.043 ppbv m
RT: 3.292 min Scan# 211
Delta R.T. 0.016 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

Instrument :
MSVOA_L
ClientSampleId :
VL1121ABS01

Tgt Ion: 45 Resp: 19898
Ion Ratio Lower Upper
45 100
46 32.1 13.8 55.2

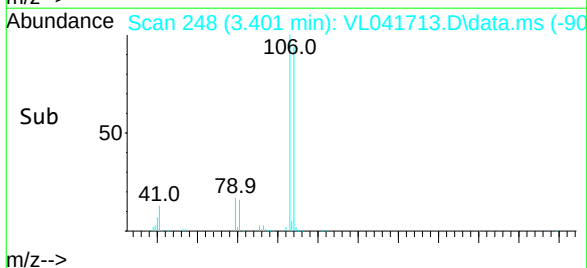
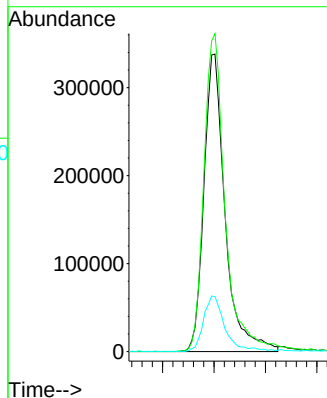
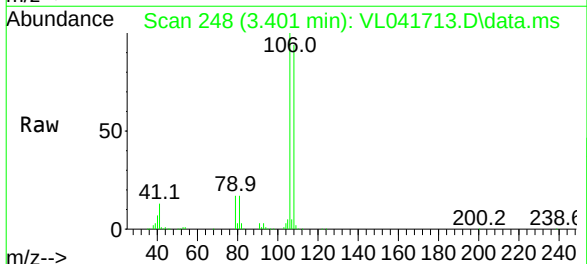
Manual Integrations
APPROVED

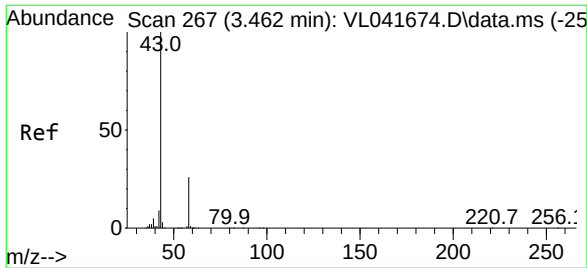
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#14
Bromoethene
Concen: 9.269 ppbv
RT: 3.401 min Scan# 248
Delta R.T. 0.006 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

Tgt Ion:108 Resp: 483950
Ion Ratio Lower Upper
108 100
106 108.8 88.6 133.0
79 19.3 15.6 23.4





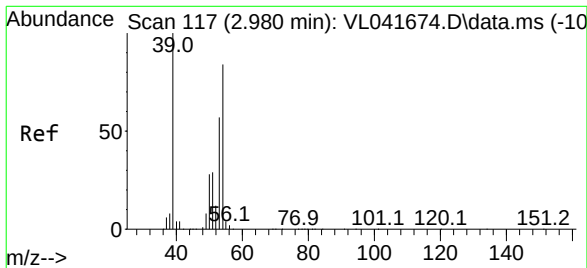
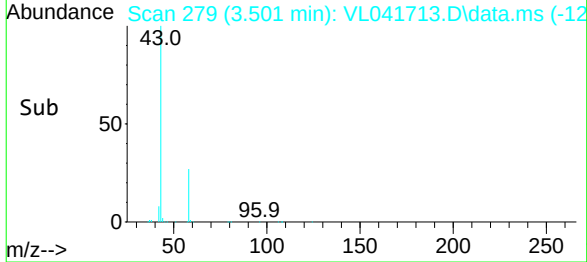
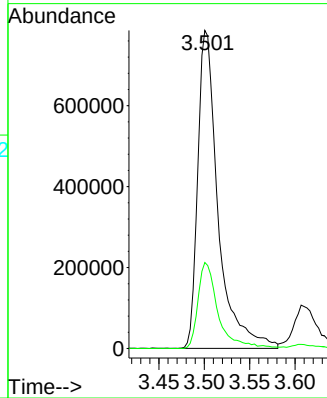
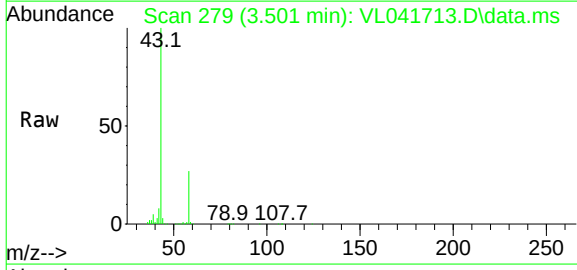
#15
Acetone
Concen: 8.766 ppbv
RT: 3.501 min Scan# 27
Delta R.T. 0.003 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

Instrument :
MSVOA_L
ClientSampleId :
VL1121ABS01

Tgt Ion: 43 Resp: 1224405
Ion Ratio Lower Upper
43 100
58 26.9 21.4 32.0

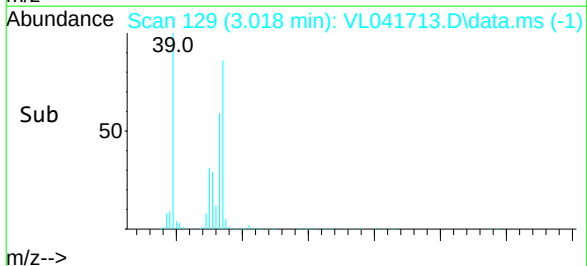
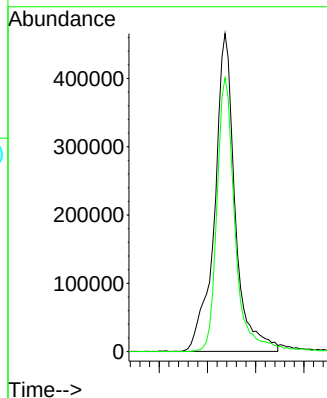
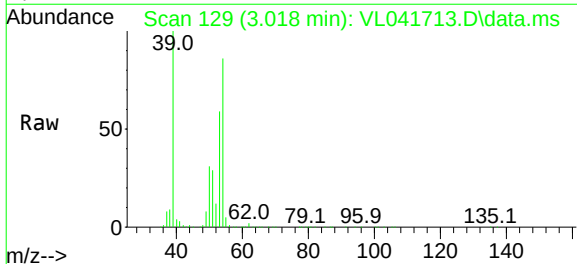
Manual Integrations
APPROVED

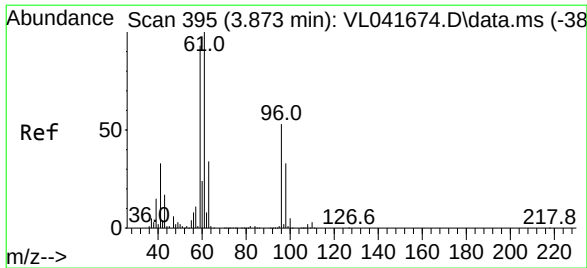
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#16
1,3-Butadiene
Concen: 9.758 ppbv
RT: 3.018 min Scan# 129
Delta R.T. 0.006 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

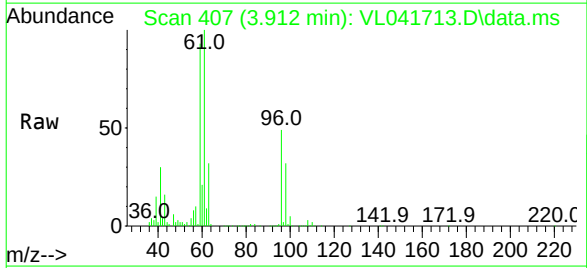
Tgt Ion: 39 Resp: 687757
Ion Ratio Lower Upper
39 100
54 76.8 61.3 91.9





#17
tert-Butyl alcohol
Concen: 9.374 ppbv
RT: 3.912 min Scan# 407
Delta R.T. 0.006 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

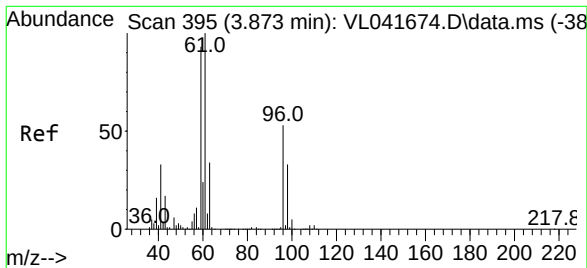
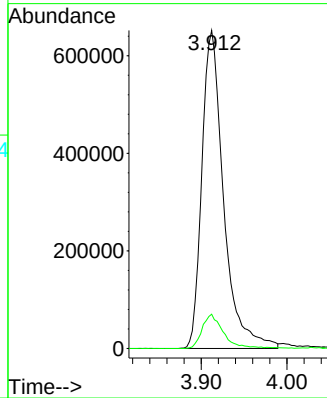
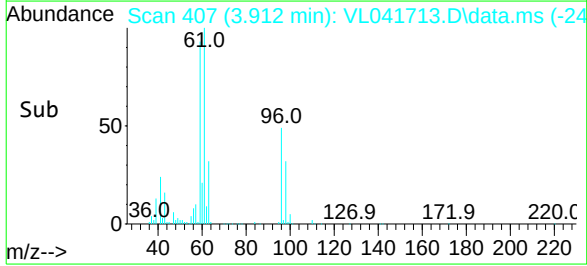
Instrument :
MSVOA_L
ClientSampleId :
VL1121ABS01



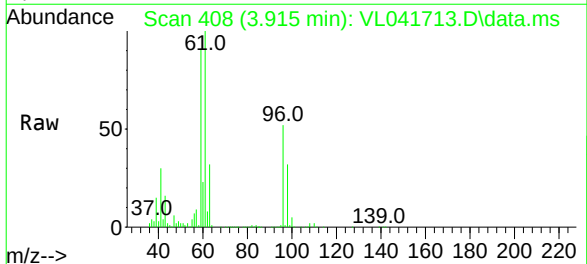
Tgt Ion: 59 Resp: 1149012
Ion Ratio Lower Upper
59 100
57 10.7 8.5 12.7

Manual Integrations
APPROVED

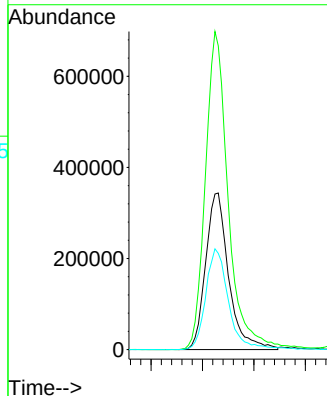
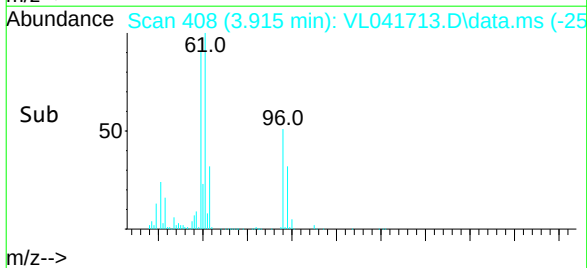
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

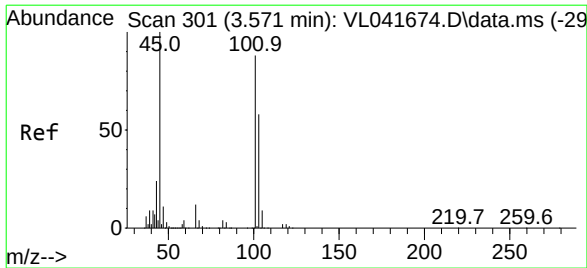


#18
1,1-Dichloroethene
Concen: 9.400 ppbv
RT: 3.915 min Scan# 408
Delta R.T. 0.006 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16



Tgt Ion: 96 Resp: 535425
Ion Ratio Lower Upper
96 100
61 193.9 150.7 226.1
98 61.4 49.4 74.2





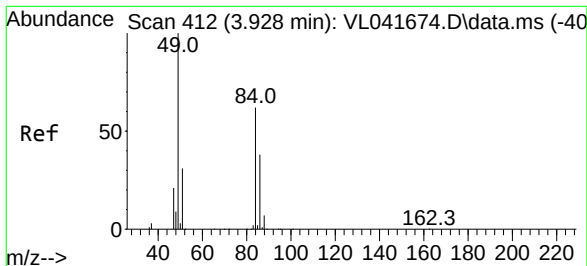
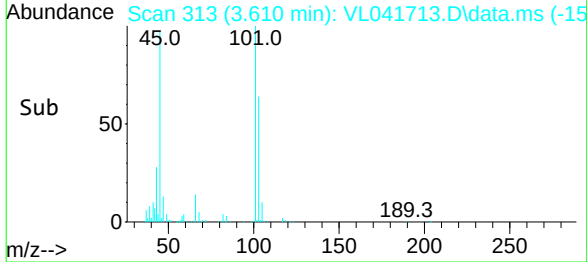
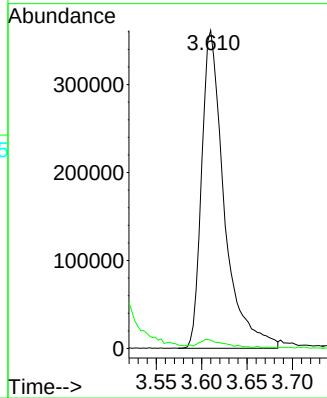
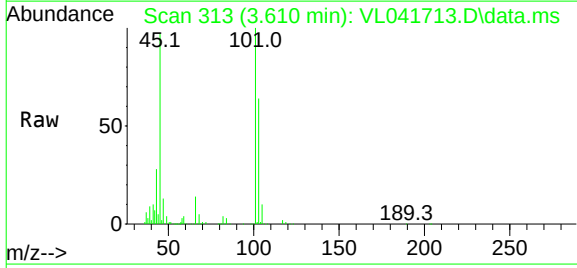
#19
Isopropyl Alcohol
Concen: 9.374 ppbv
RT: 3.610 min Scan# 311
Delta R.T. 0.006 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

Instrument :
MSVOA_L
ClientSampleId :
VL1121ABS01

Tgt Ion: 45 Resp: 625847
Ion Ratio Lower Upper
45 100
58 3.0 2.5 3.7

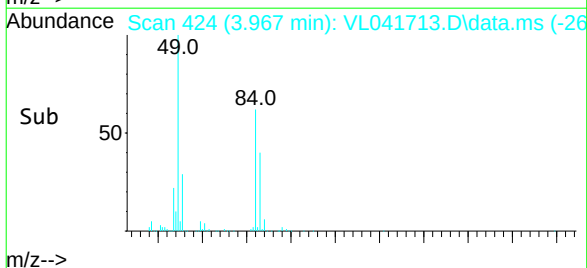
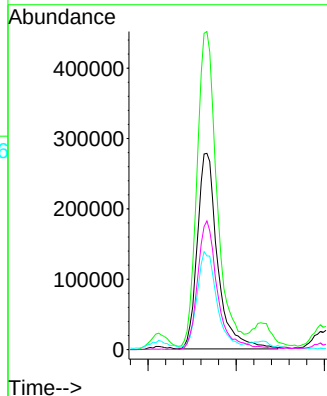
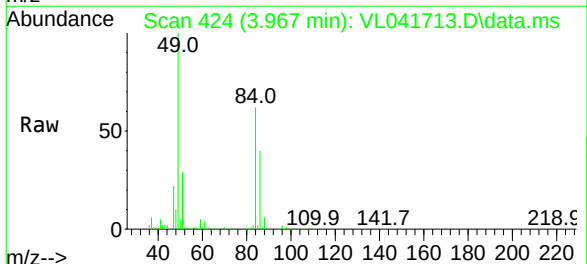
Manual Integrations
APPROVED

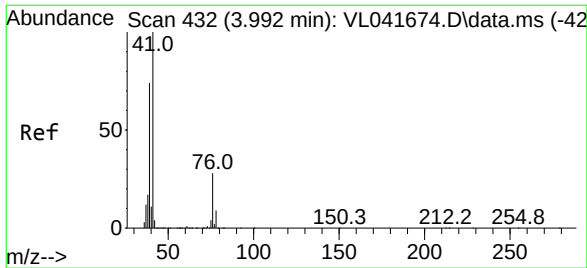
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#20
Methylene Chloride
Concen: 8.668 ppbv
RT: 3.967 min Scan# 424
Delta R.T. 0.006 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

Tgt Ion: 84 Resp: 445518
Ion Ratio Lower Upper
84 100
49 161.0 129.7 194.5
51 46.7 39.8 59.6
86 65.6 49.1 73.7





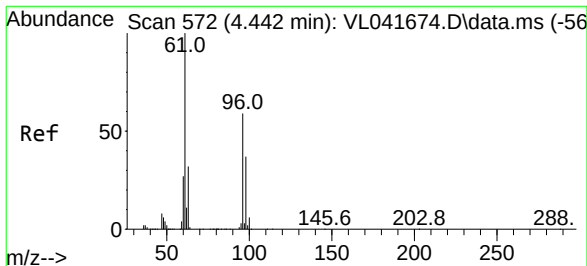
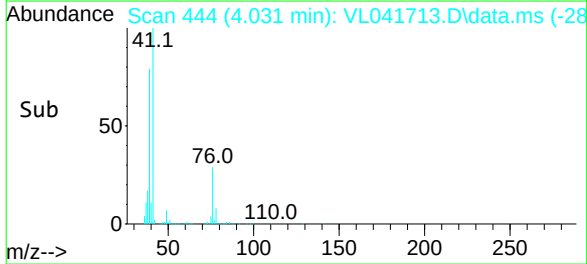
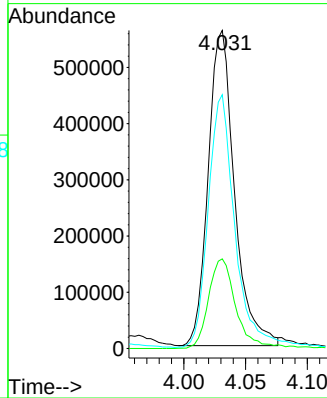
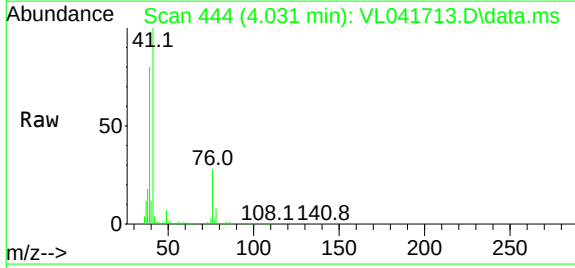
#21
 Allyl Chloride
 Concen: 9.652 ppbv
 RT: 4.031 min Scan# 44
 Delta R.T. 0.006 min
 Lab File: VL041713.D
 Acq: 21 Nov 2024 10:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1121ABS01

Tgt Ion: 41 Resp: 833062
 Ion Ratio Lower Upper
 41 100
 76 30.0 23.5 35.3
 39 82.1 63.0 94.4

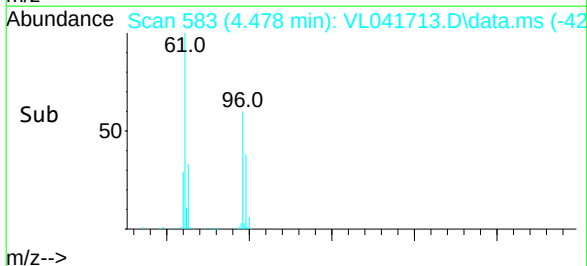
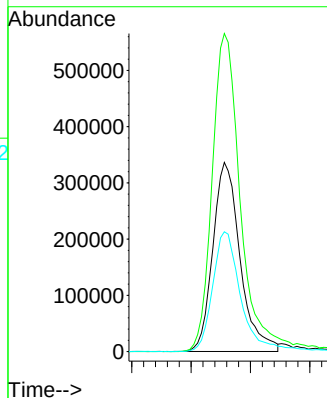
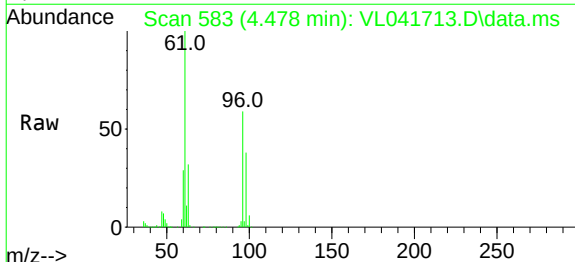
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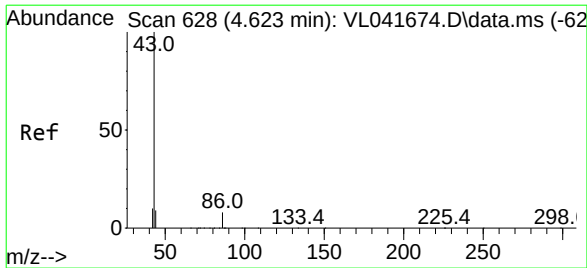
Reviewed By :Semsettin Yesilyurt 11/22/2024
 Supervised By :Mahesh Dadoda 11/22/2024



#22
 trans-1,2-Dichloroethene
 Concen: 9.479 ppbv
 RT: 4.478 min Scan# 583
 Delta R.T. 0.003 min
 Lab File: VL041713.D
 Acq: 21 Nov 2024 10:16

Tgt Ion: 96 Resp: 536875
 Ion Ratio Lower Upper
 96 100
 61 168.2 134.5 201.7
 98 63.2 49.6 74.4





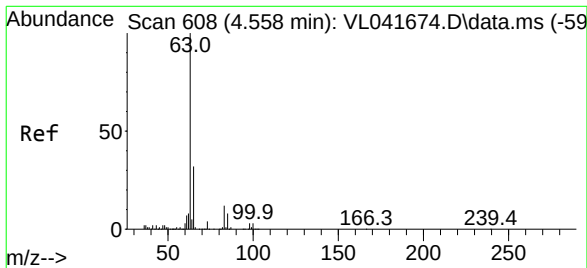
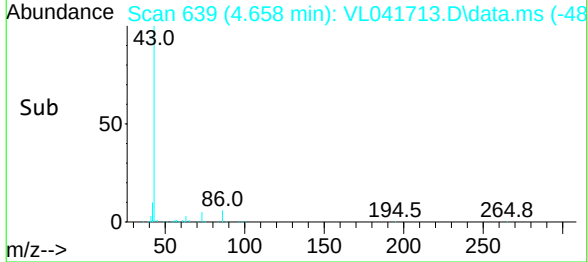
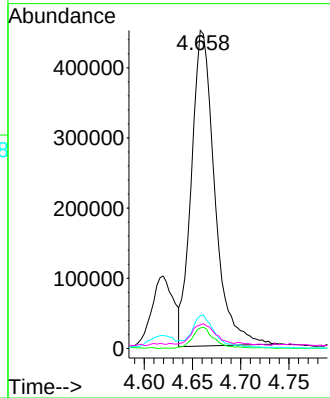
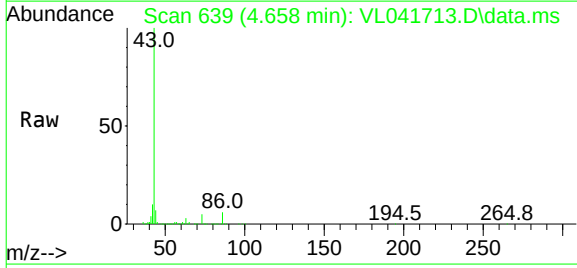
#23
 Vinyl Acetate
 Concen: 12.295 ppbv
 RT: 4.658 min Scan# 63
 Delta R.T. 0.003 min
 Lab File: VL041713.D
 Acq: 21 Nov 2024 10:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1121ABS01

Tgt Ion: 43	Resp: 757071
Ion Ratio	Lower Upper
43 100	
86 6.5	5.3 7.9
42 10.1	8.5 12.7
44 6.4	6.7 10.1#

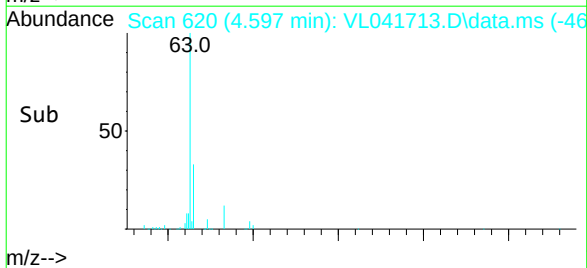
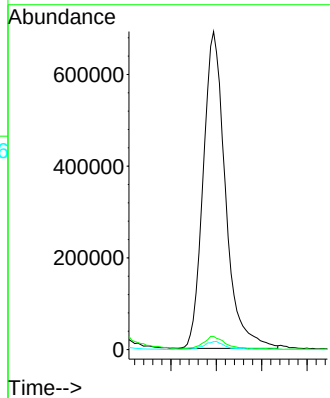
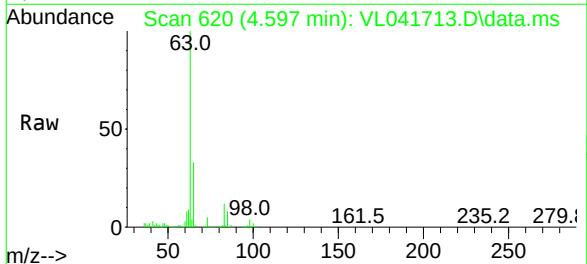
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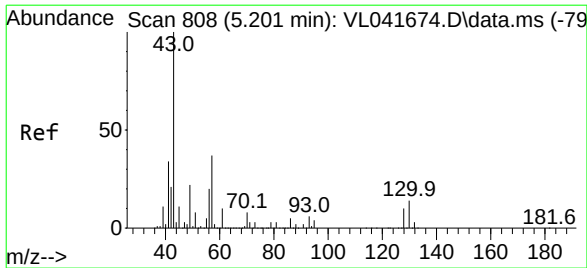
Reviewed By :Semsettin Yesilyurt 11/22/2024
 Supervised By :Mahesh Dadoda 11/22/2024



#24
 1,1-Dichloroethane
 Concen: 9.307 ppbv
 RT: 4.597 min Scan# 620
 Delta R.T. 0.003 min
 Lab File: VL041713.D
 Acq: 21 Nov 2024 10:16

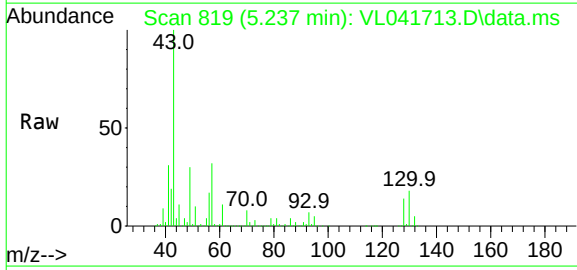
Tgt Ion: 63	Resp: 1176486
Ion Ratio	Lower Upper
63 100	
98 4.0	1.8 5.4
100 2.4	1.4 4.2





#25
Ethyl Acetate
Concen: 9.267 ppbv
RT: 5.237 min Scan# 811
Delta R.T. 0.003 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

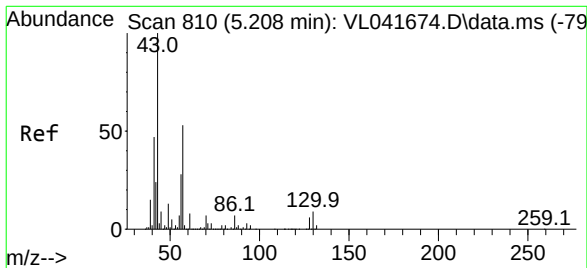
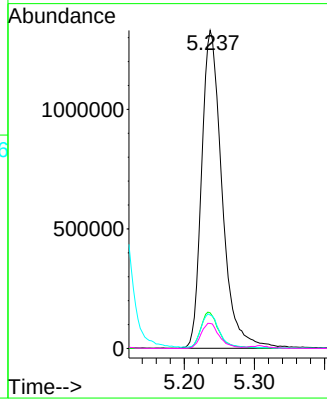
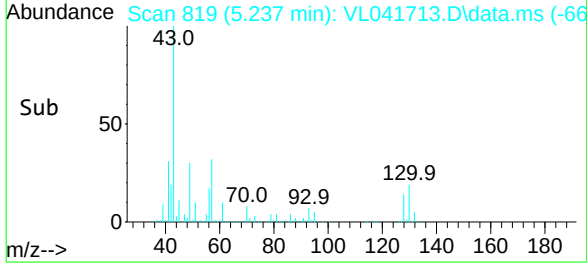
Instrument :
MSVOA_L
ClientSampleId :
VL1121ABS01



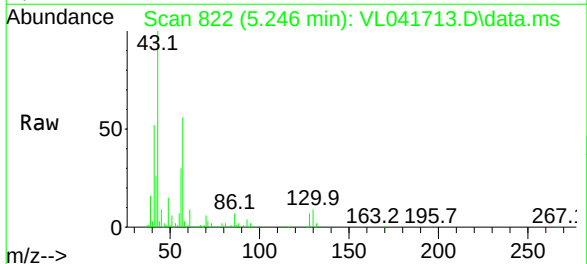
Tgt Ion: 43 Resp: 2679235
Ion Ratio Lower Upper
43 100
45 10.5 8.6 13.0
61 10.1 8.4 12.6
70 7.3 5.8 8.6

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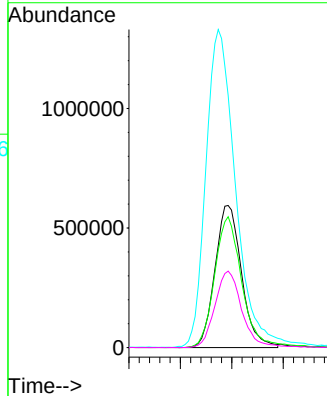
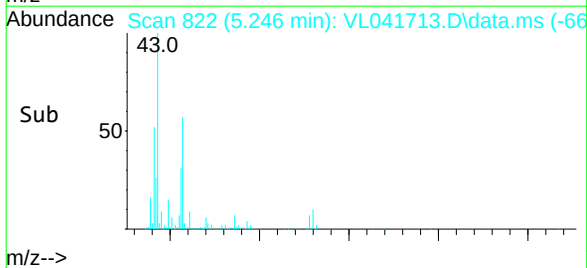
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

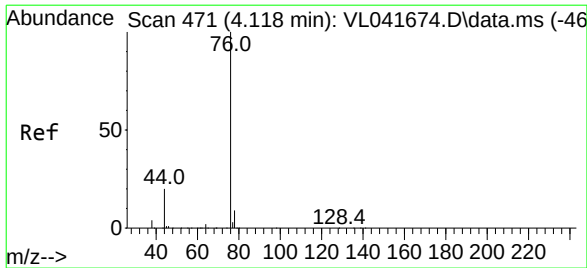


#26
Hexane
Concen: 9.591 ppbv
RT: 5.246 min Scan# 822
Delta R.T. 0.003 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16



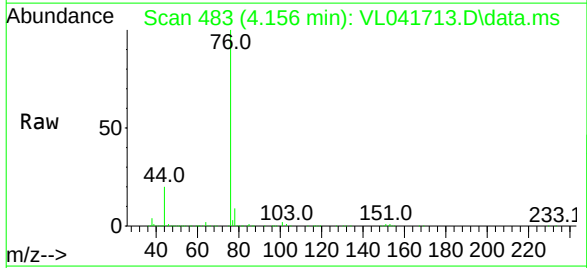
Tgt Ion: 57 Resp: 1065415
Ion Ratio Lower Upper
57 100
41 95.7 76.1 114.1
43 252.9 207.0 310.6
56 55.0 43.7 65.5





#27
Carbon Disulfide
Concen: 10.640 ppbv
RT: 4.156 min Scan# 48
Delta R.T. 0.003 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

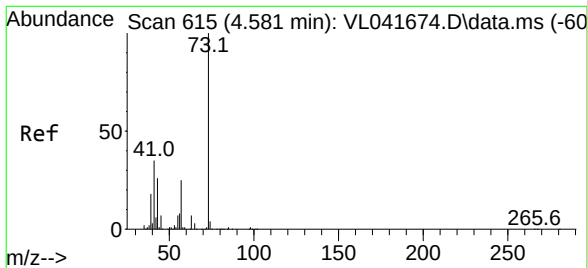
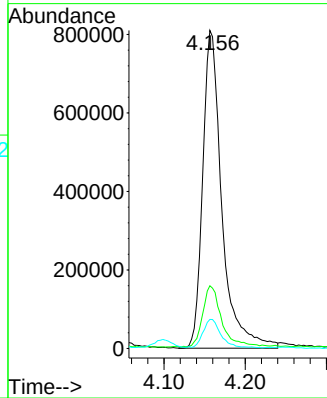
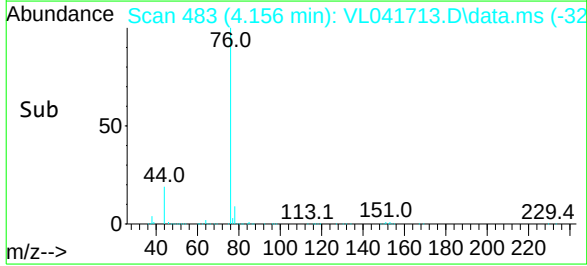
Instrument :
MSVOA_L
ClientSampleId :
VL1121ABS01



Tgt Ion: 76 Resp: 1327851
Ion Ratio Lower Upper
76 100
44 19.4 15.8 23.8
78 9.2 7.5 11.3

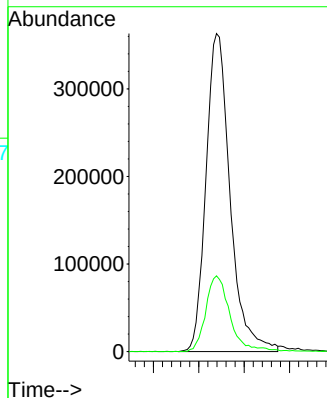
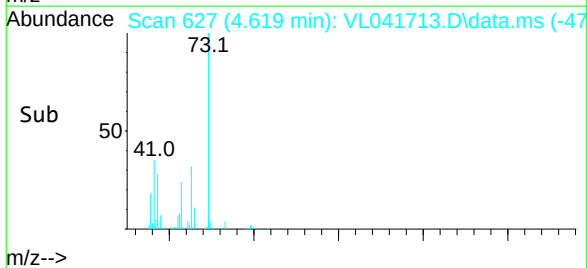
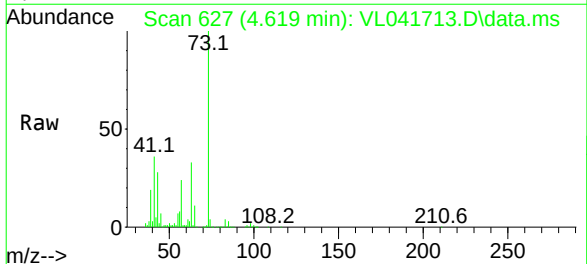
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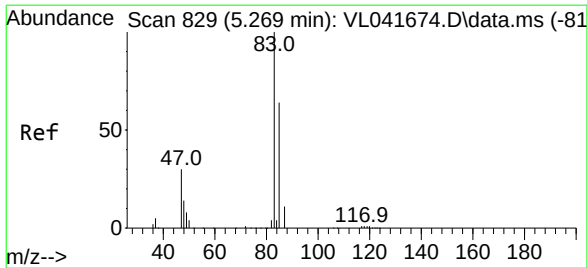
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#28
Methyl tert-Butyl Ether
Concen: 9.371 ppbv
RT: 4.619 min Scan# 627
Delta R.T. 0.003 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

Tgt Ion: 73 Resp: 670312
Ion Ratio Lower Upper
73 100
57 24.2 19.6 29.4





#29

Chloroform

Concen: 9.236 ppbv

RT: 5.308 min Scan# 841

Delta R.T. 0.000 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Instrument :

MSVOA_L

ClientSampleId :

VL1121ABS01

Tgt Ion: 83 Resp: 1693486

Ion Ratio Lower Upper

83 100

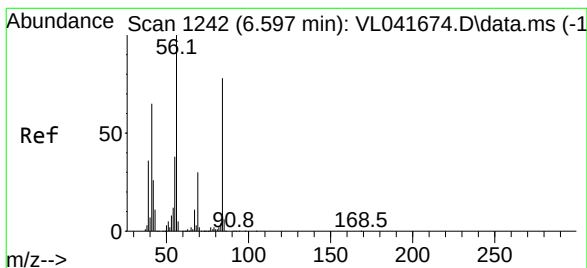
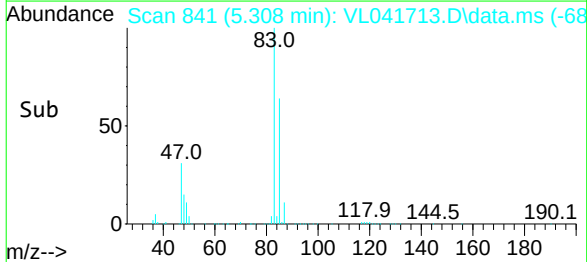
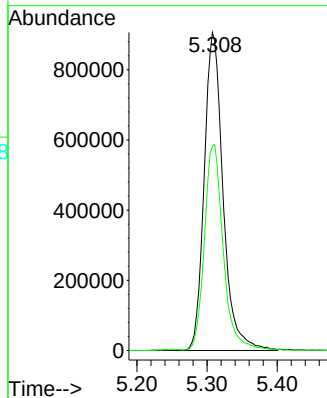
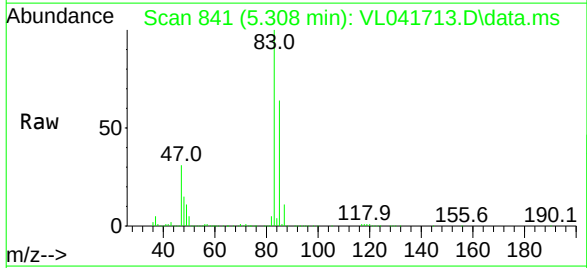
85 64.0 51.1 76.7

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Supervised By :Mahesh Dadoda 11/22/2024



#30

Cyclohexane

Concen: 9.550 ppbv

RT: 6.635 min Scan# 1254

Delta R.T. 0.003 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

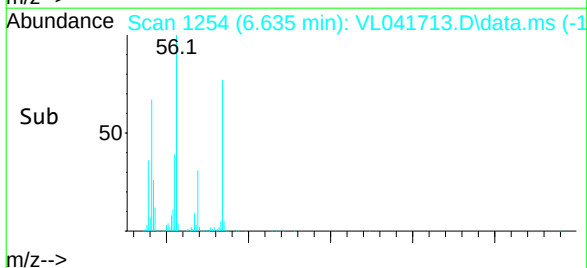
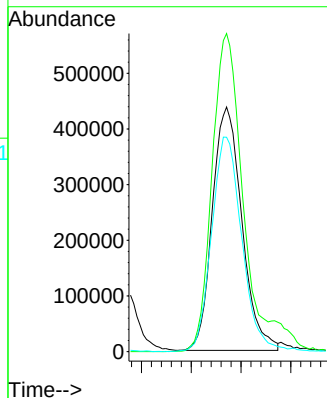
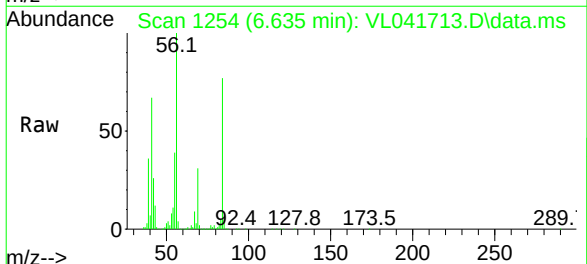
Tgt Ion: 84 Resp: 903309

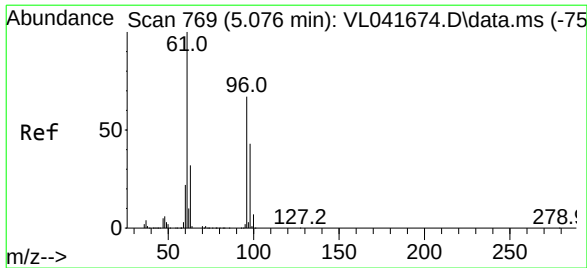
Ion Ratio Lower Upper

84 100

56 140.7 110.8 166.2

41 90.5 70.0 105.0





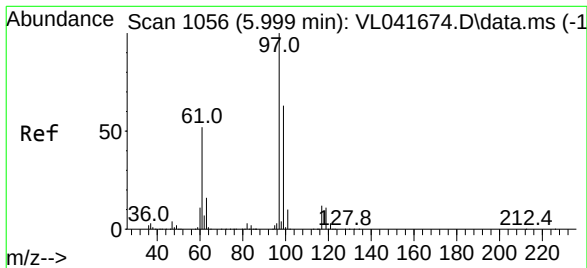
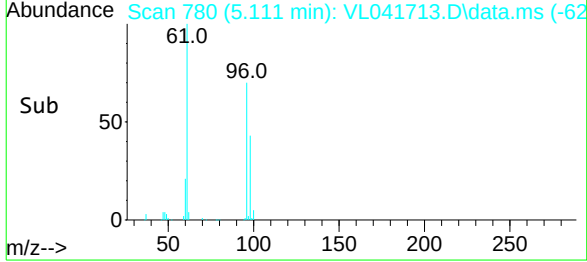
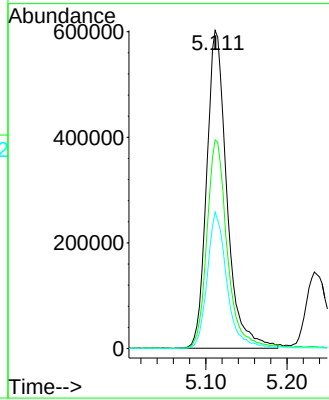
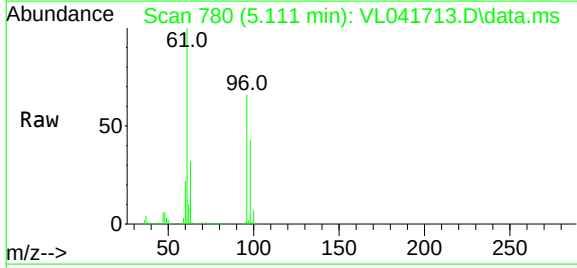
#31
 cis-1,2-Dichloroethene
 Concen: 9.755 ppbv
 RT: 5.111 min Scan# 78
 Delta R.T. 0.003 min
 Lab File: VL041713.D
 Acq: 21 Nov 2024 10:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1121ABS01

Tgt Ion: 61 Resp: 1042430
 Ion Ratio Lower Upper
 61 100
 96 65.6 53.4 80.2
 98 42.8 34.0 51.0

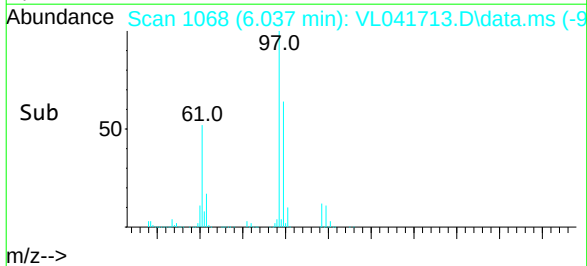
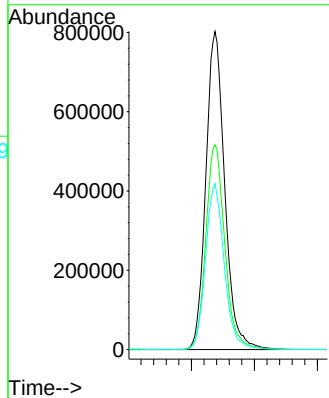
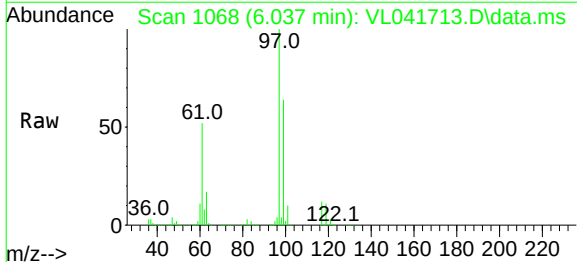
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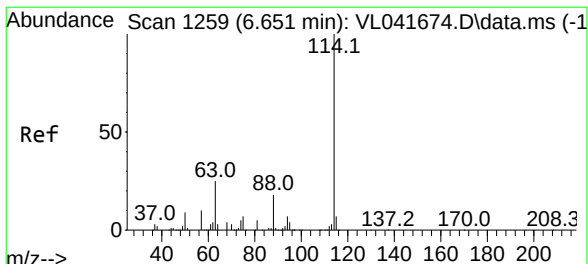
Reviewed By :Semsettin Yesilyurt 11/22/2024
 Supervised By :Mahesh Dadoda 11/22/2024



#32
 1,1,1-Trichloroethane
 Concen: 9.978 ppbv
 RT: 6.037 min Scan# 1068
 Delta R.T. 0.003 min
 Lab File: VL041713.D
 Acq: 21 Nov 2024 10:16

Tgt Ion: 97 Resp: 1669061
 Ion Ratio Lower Upper
 97 100
 99 64.7 51.4 77.2
 61 52.1 41.7 62.5





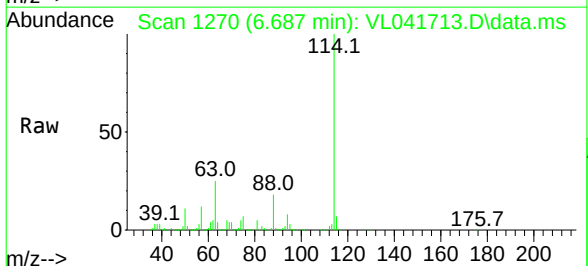
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.687 min Scan# 12
Delta R.T. 0.003 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

Instrument :

MSVOA_L

ClientSampleId :

VL1121ABS01

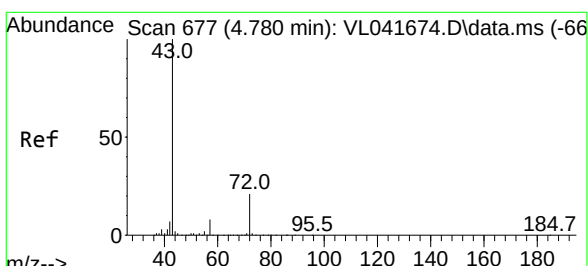
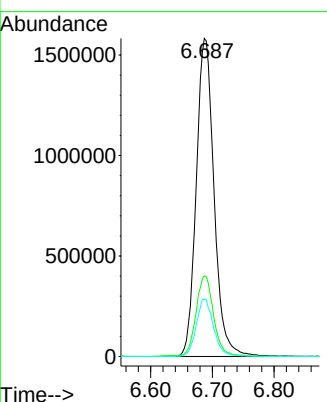
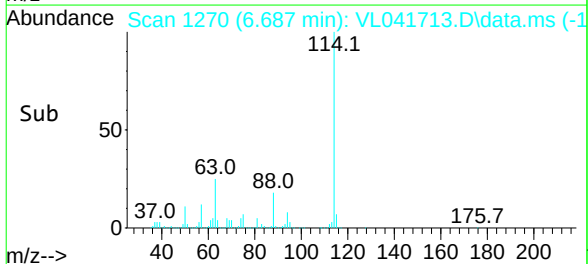


Tgt Ion: 114 Resp: 3168983

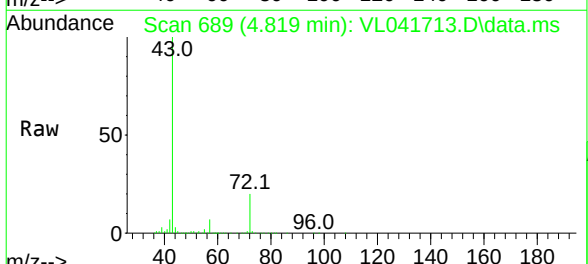
Ion	Ratio	Lower	Upper
114	100		
63	25.4	20.3	30.5
88	17.6	14.2	21.4

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Supervised By :Mahesh Dadoda 11/22/2024

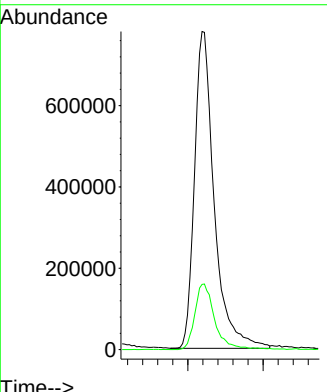
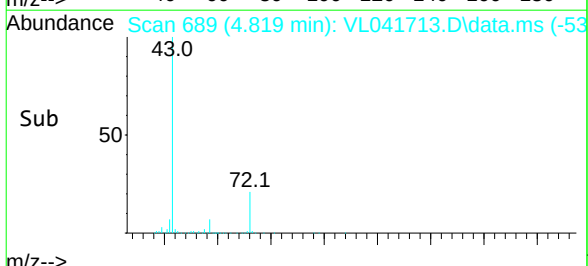


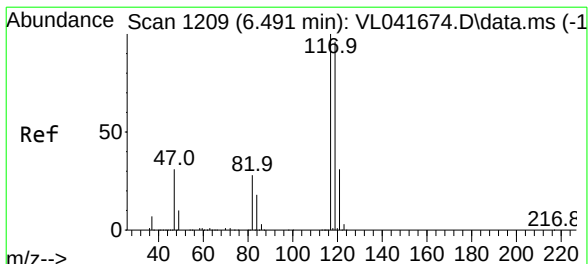
#34
2-Butanone
Concen: 8.985 ppbv
RT: 4.819 min Scan# 689
Delta R.T. 0.003 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16



Tgt Ion: 43 Resp: 1417727

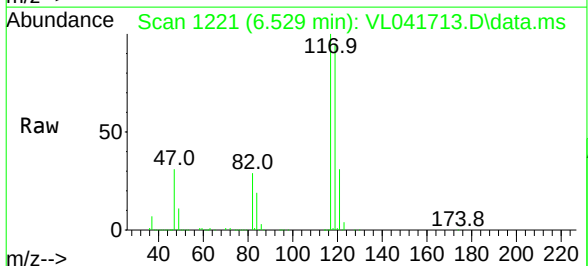
Ion	Ratio	Lower	Upper
43	100		
72	21.1	17.4	26.0





#35
Carbon Tetrachloride
Concen: 10.418 ppbv
RT: 6.529 min Scan# 1211
Delta R.T. 0.003 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

Instrument :
MSVOA_L
ClientSampleId :
VL1121ABS01

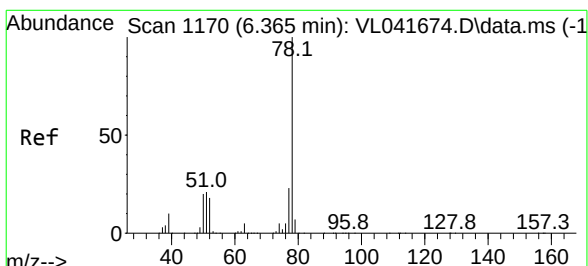
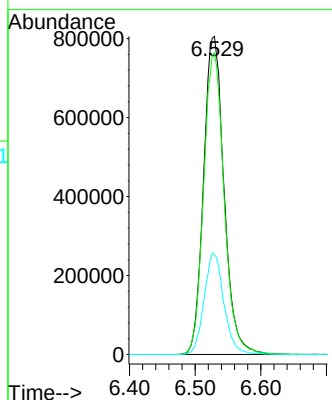
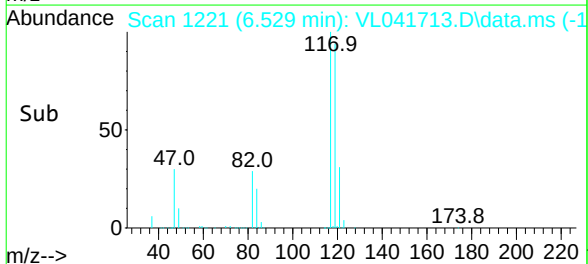


Tgt Ion: 117 Resp: 1741838

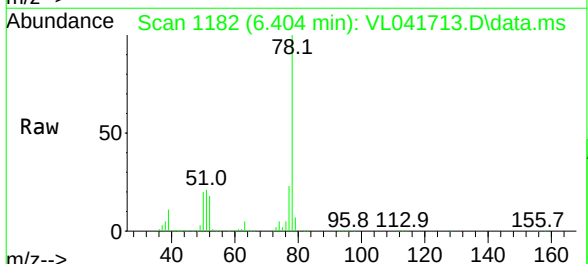
Ion	Ratio	Lower	Upper
117	100		
119	94.7	77.2	115.8
121	31.3	25.0	37.4

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Supervised By :Mahesh Dadoda 11/22/2024

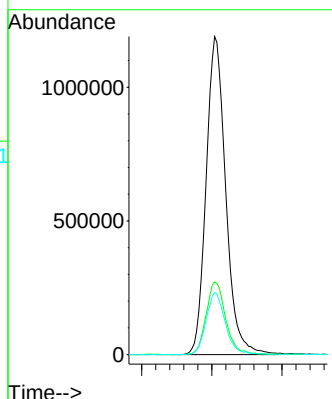
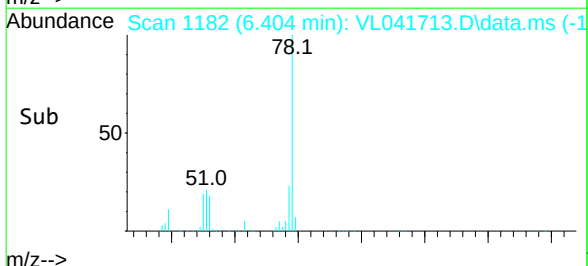


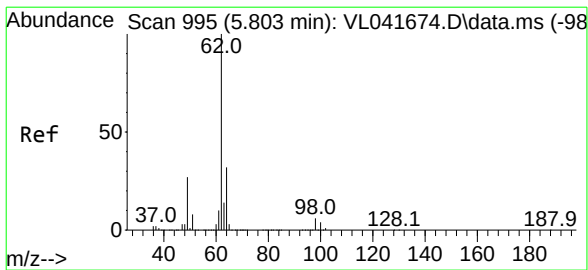
#36
Benzene
Concen: 9.847 ppbv
RT: 6.404 min Scan# 1182
Delta R.T. 0.003 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16



Tgt Ion: 78 Resp: 2312069

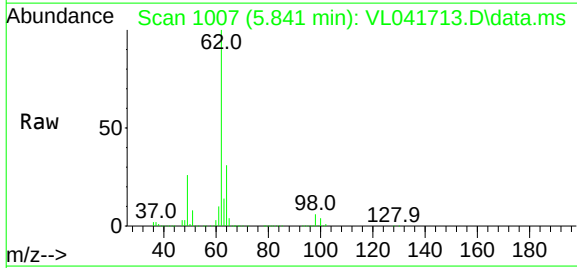
Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.5	27.7
50	19.5	15.6	23.4





#37
1,2-Dichloroethane
Concen: 9.693 ppbv
RT: 5.841 min Scan# 10
Delta R.T. 0.003 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

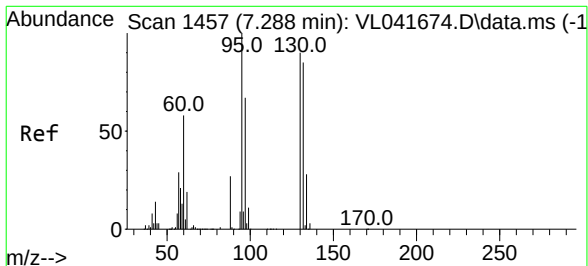
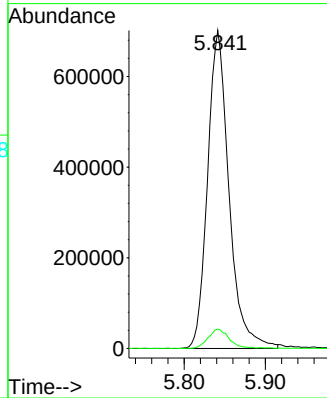
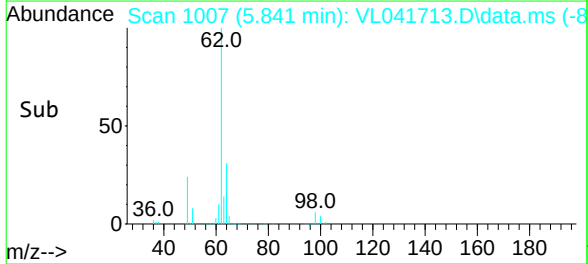
Instrument :
MSVOA_L
ClientSampleId :
VL1121ABS01



Tgt Ion: 62 Resp: 1284047
Ion Ratio Lower Upper
62 100
98 6.3 5.2 7.8

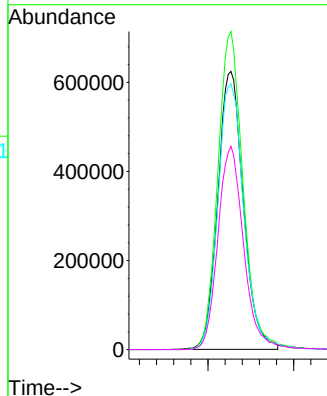
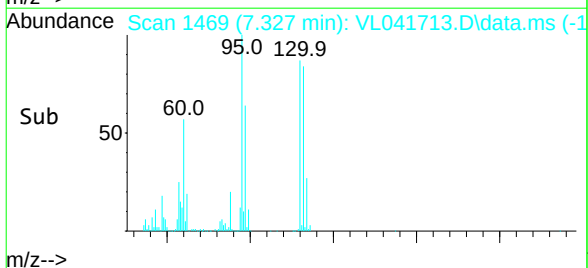
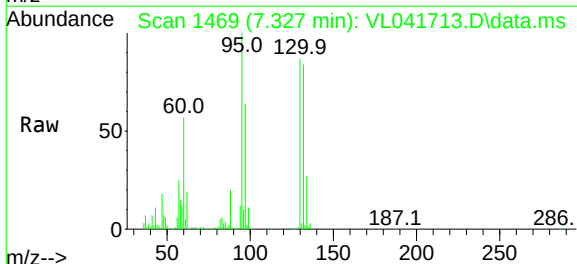
Manual Integrations
APPROVED

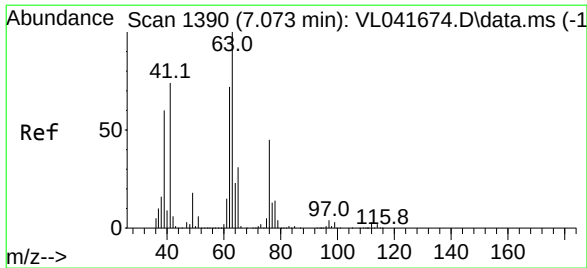
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#38
Trichloroethene
Concen: 14.303 ppbv
RT: 7.327 min Scan# 1469
Delta R.T. 0.000 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

Tgt Ion:130 Resp: 1289883
Ion Ratio Lower Upper
130 100
95 114.5 89.1 133.7
132 95.7 75.7 113.5
97 73.1 60.0 90.0





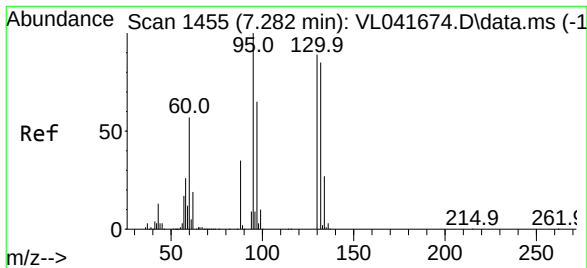
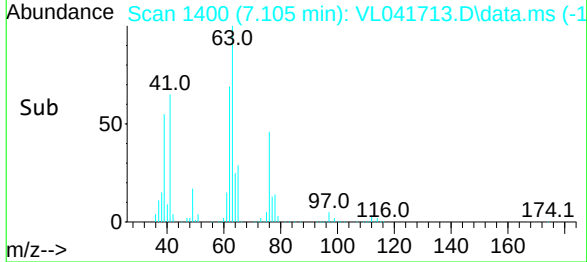
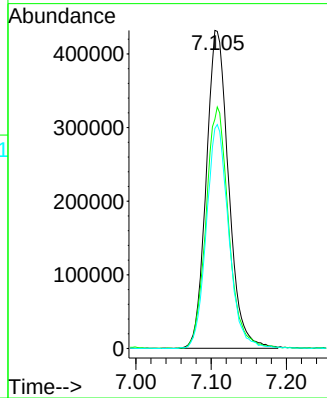
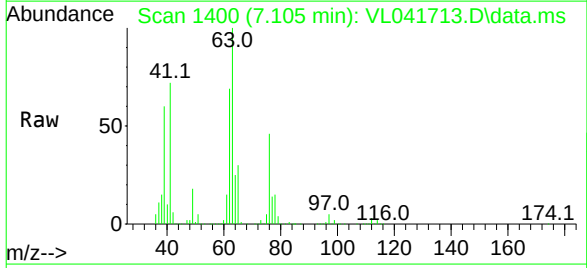
#39
1,2-Dichloropropane
Concen: 9.610 ppbv
RT: 7.105 min Scan# 14
Delta R.T. -0.003 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

Instrument :
MSVOA_L
ClientSampleId :
VL1121ABS01

Tgt Ion: 63 Resp: 891656
Ion Ratio Lower Upper
63 100
41 72.0 59.1 88.7
62 69.2 57.7 86.5

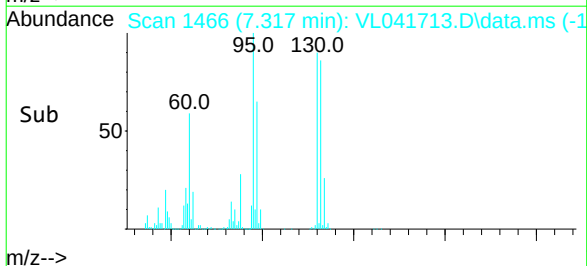
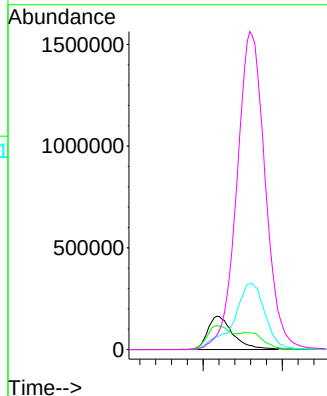
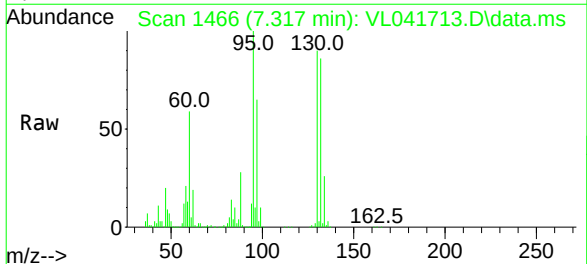
Manual Integrations
APPROVED

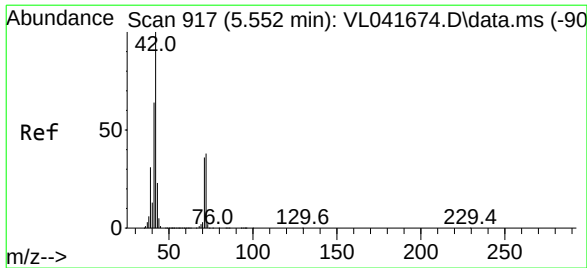
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#40
1,4-Dioxane
Concen: 10.912 ppbv
RT: 7.317 min Scan# 1466
Delta R.T. 0.000 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

Tgt Ion: 88 Resp: 363295
Ion Ratio Lower Upper
88 100
58 120.6 101.4 152.2
43 249.9 208.0 312.0
57 1072.4 902.9 1354.3





#41

Tetrahydrofuran

Concen: 10.375 ppbv

RT: 5.590 min Scan# 92

Delta R.T. 0.003 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Instrument :

MSVOA_L

ClientSampleId :

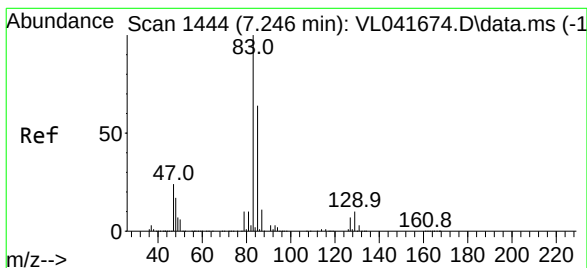
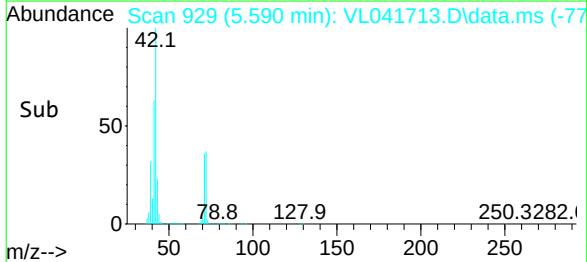
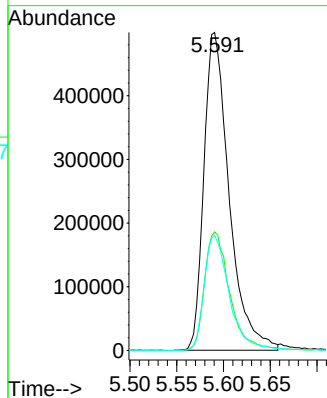
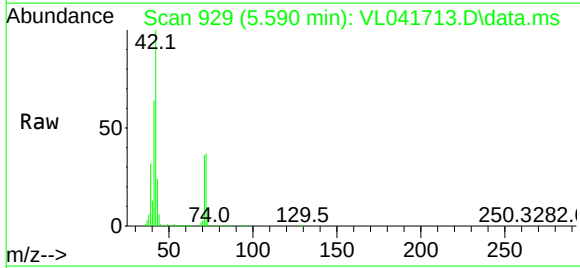
VL1121ABS01

Tgt Ion:	42	Resp:	934965
Ion	Ratio	Lower	Upper
42	100		
72	37.8	29.8	44.6
71	36.3	29.4	44.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#42

Bromodichloromethane

Concen: 9.994 ppbv

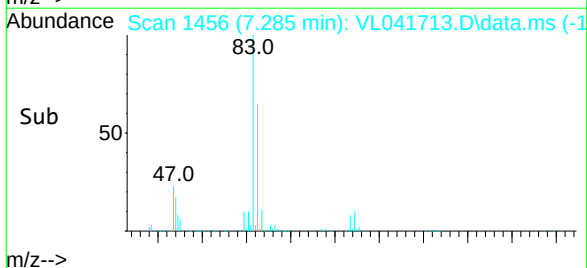
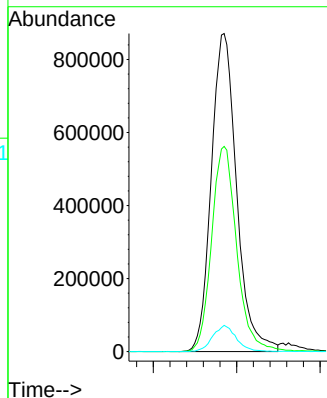
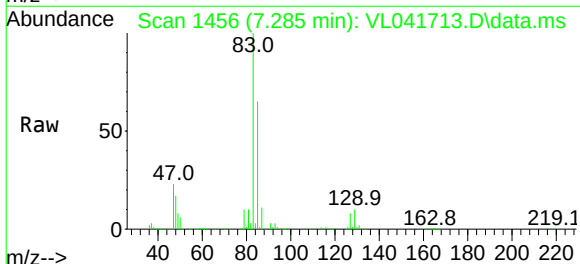
RT: 7.285 min Scan# 1456

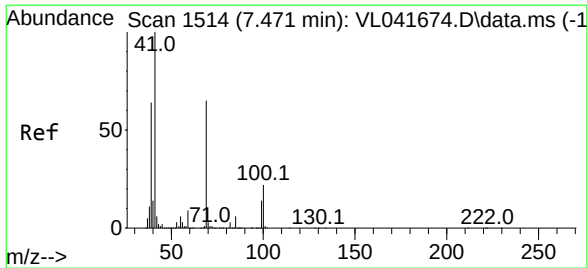
Delta R.T. 0.003 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Tgt Ion:	83	Resp:	1839599
Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.2	76.8
127	8.2	6.0	9.0





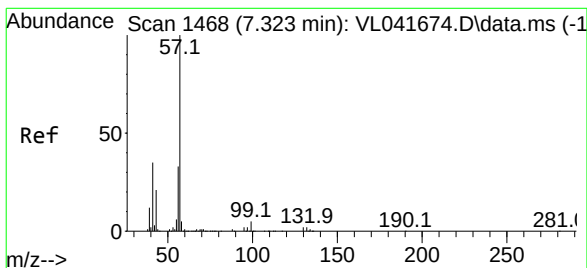
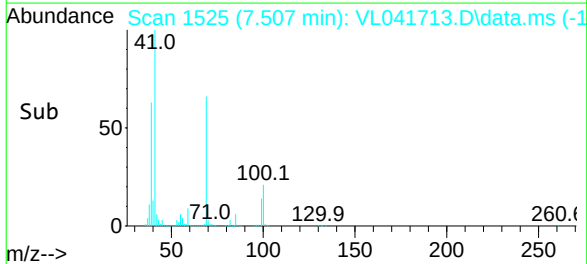
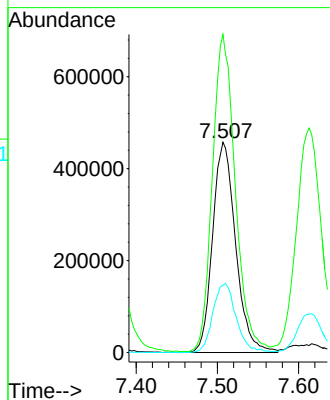
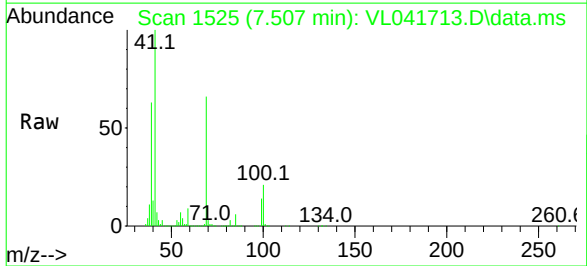
#43
Methyl Methacrylate
Concen: 10.937 ppbv
RT: 7.507 min Scan# 1514
Delta R.T. 0.000 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

Instrument :
MSVOA_L
ClientSampleId :
VL1121ABS01

Tgt Ion: 69 Resp: 901641
Ion Ratio Lower Upper
69 100
41 150.0 119.8 179.6
100 33.1 27.3 40.9

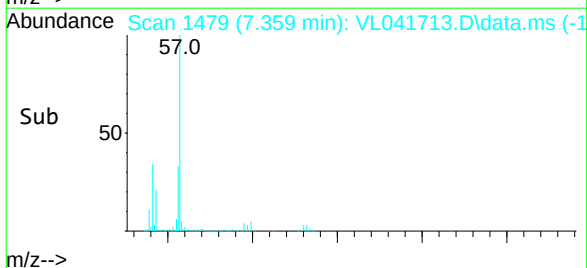
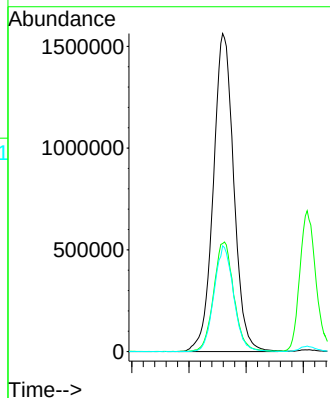
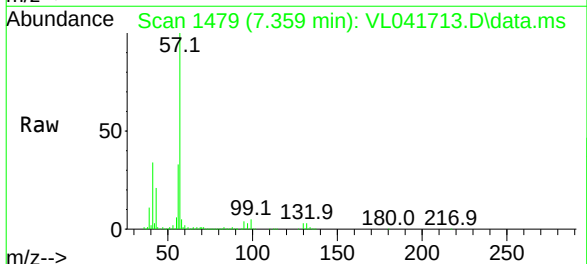
Manual Integrations
APPROVED

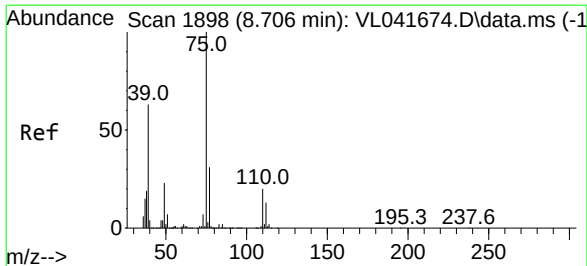
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#44
2,2,4-Trimethylpentane
Concen: 9.791 ppbv
RT: 7.359 min Scan# 1479
Delta R.T. 0.003 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

Tgt Ion: 57 Resp: 3894162
Ion Ratio Lower Upper
57 100
41 33.9 27.0 40.6
56 31.9 25.8 38.6





#45

t-1,3-Dichloropropene

Concen: 9.931 ppbv

RT: 8.745 min Scan# 19

Delta R.T. 0.003 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Instrument :

MSVOA_L

ClientSampleId :

VL1121ABS01

Tgt Ion: 75 Resp: 748133

Ion Ratio Lower Upper

75 100

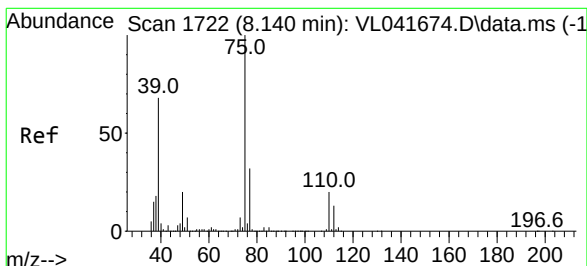
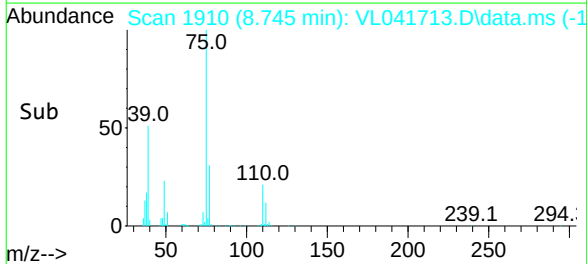
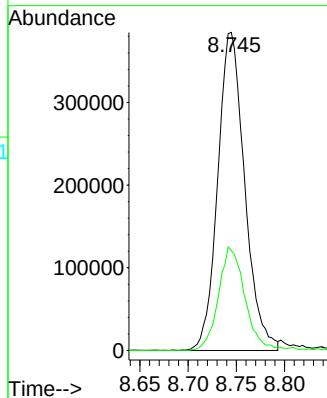
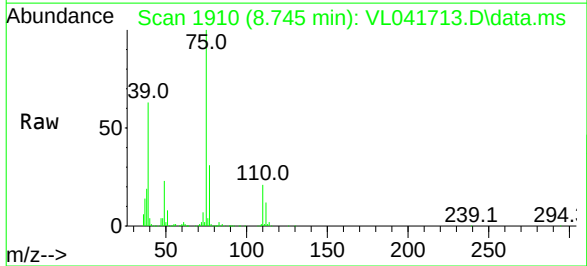
77 31.4 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#46

cis-1,3-Dichloropropene

Concen: 10.203 ppbv

RT: 8.179 min Scan# 1734

Delta R.T. 0.006 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

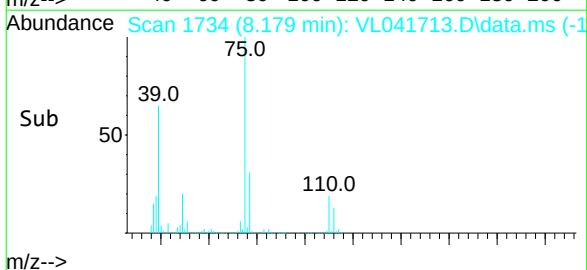
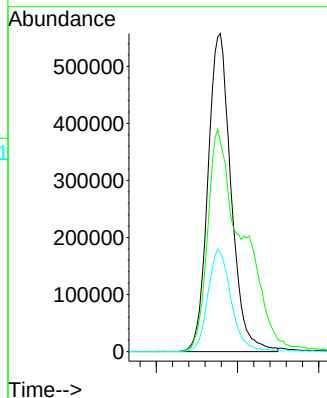
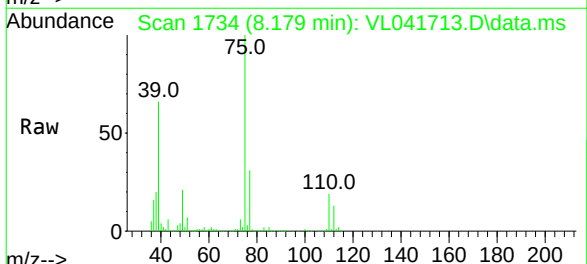
Tgt Ion: 75 Resp: 1103972

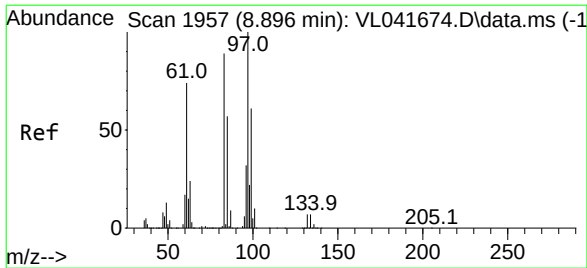
Ion Ratio Lower Upper

75 100

39 65.9 54.1 81.1

77 31.1 25.3 37.9





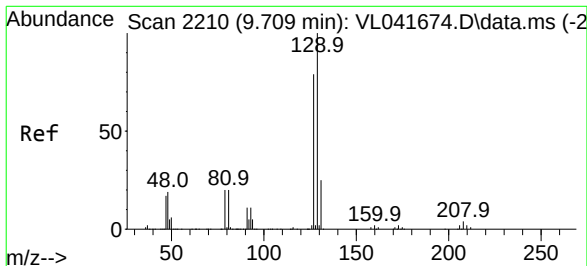
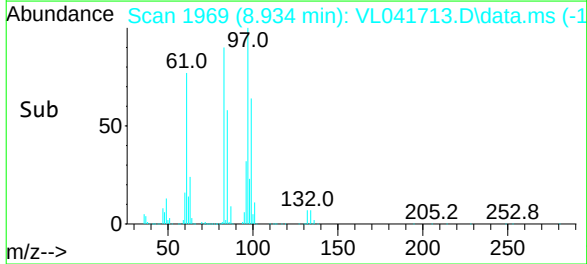
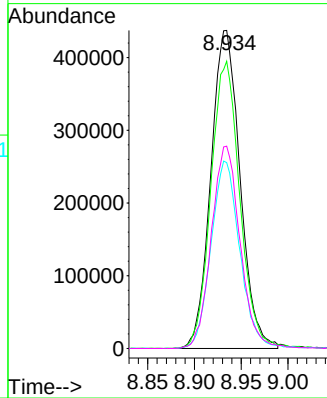
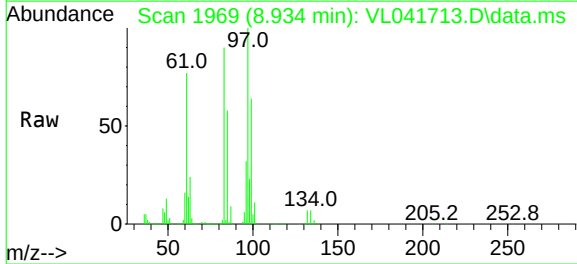
#47
1,1,2-Trichloroethane
Concen: 9.451 ppbv
RT: 8.934 min Scan# 1957
Delta R.T. 0.003 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

Instrument :
MSVOA_L
ClientSampleId :
VL1121ABS01

Tgt Ion: 97 Resp: 949123
Ion Ratio Lower Upper
97 100
83 90.1 71.0 106.6
85 58.3 45.4 68.2
99 63.5 49.0 73.6

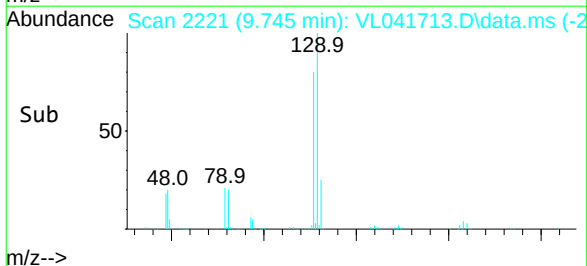
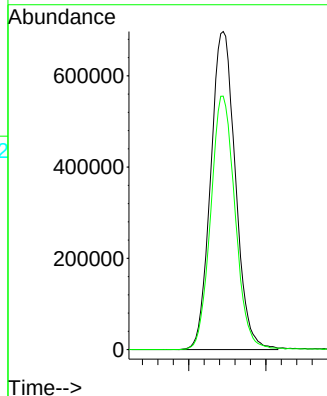
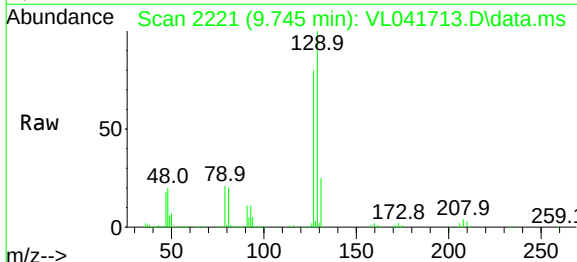
Manual Integrations
APPROVED

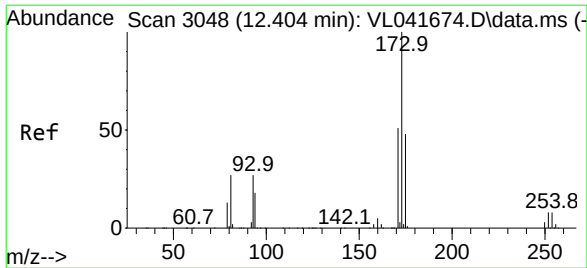
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#48
Dibromochloromethane
Concen: 10.178 ppbv
RT: 9.745 min Scan# 2221
Delta R.T. 0.003 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

Tgt Ion:129 Resp: 1553797
Ion Ratio Lower Upper
129 100
127 78.5 39.1 117.2





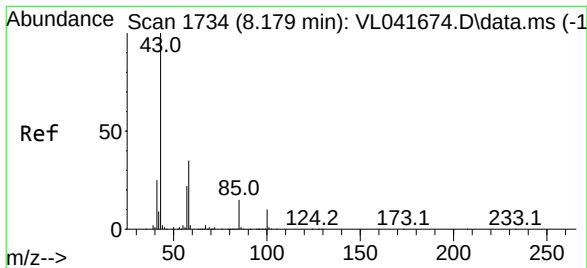
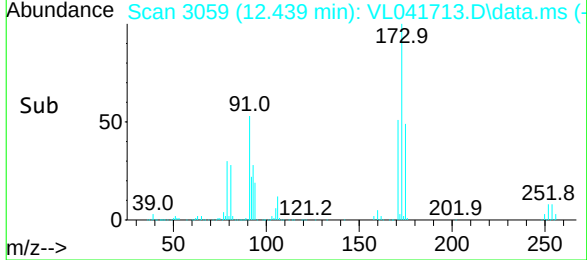
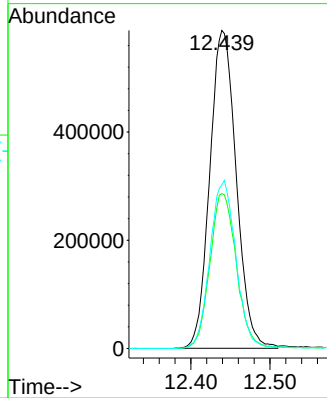
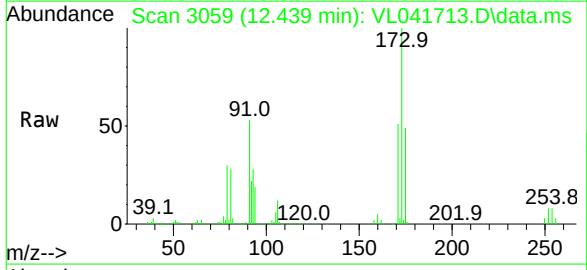
#49
Bromoform
Concen: 10.451 ppbv
RT: 12.439 min Scan# 3048
Delta R.T. 0.000 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

Instrument :
MSVOA_L
ClientSampleId :
VL1121ABS01

Tgt Ion: 173 Resp: 1365111
Ion Ratio Lower Upper
173 100
175 49.0 39.2 58.8
171 52.2 41.7 62.5

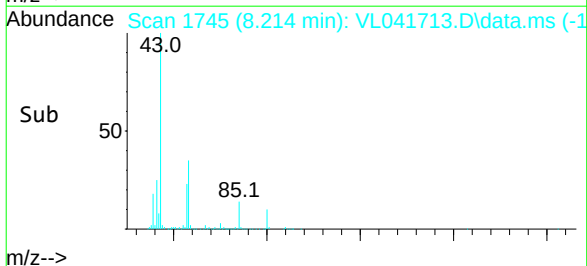
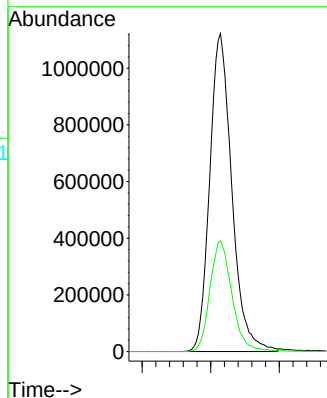
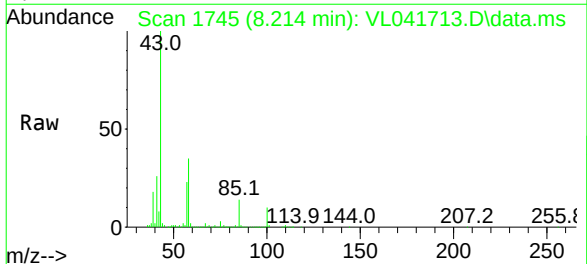
Manual Integrations
APPROVED

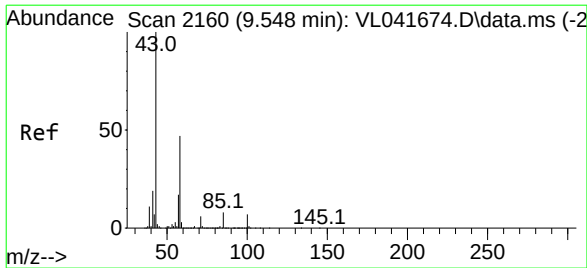
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#50
4-Methyl-2-Pentanone
Concen: 10.366 ppbv
RT: 8.214 min Scan# 1745
Delta R.T. 0.003 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

Tgt Ion: 43 Resp: 2511109
Ion Ratio Lower Upper
43 100
58 34.9 27.7 41.5





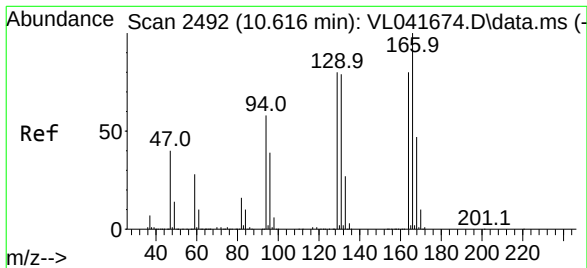
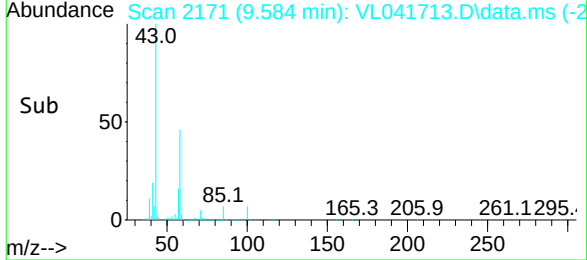
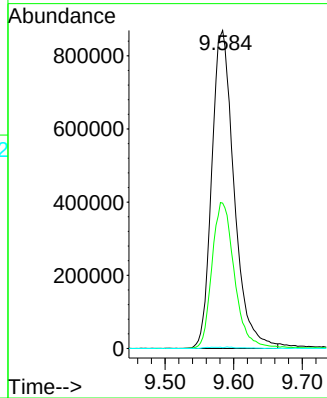
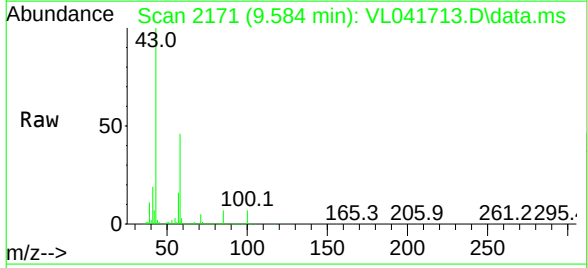
#51
2-Hexanone
Concen: 11.157 ppbv
RT: 9.584 min Scan# 2115
Delta R.T. 0.003 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

Instrument :
MSVOA_L
ClientSampleId :
VL1121ABS01

Tgt Ion: 43 Resp: 1968115
Ion Ratio Lower Upper
43 100
58 46.6 37.0 55.6
98 0.7 0.6 0.8

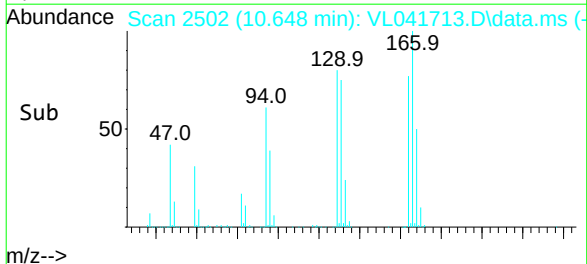
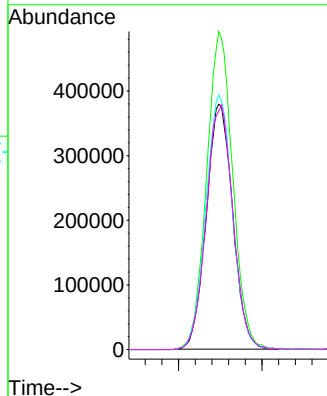
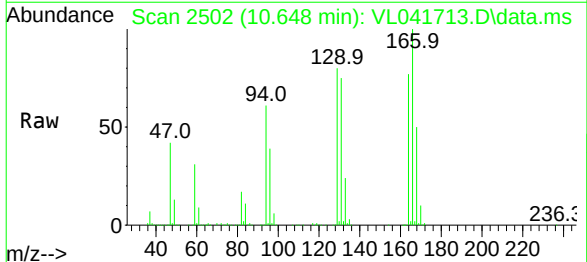
Manual Integrations
APPROVED

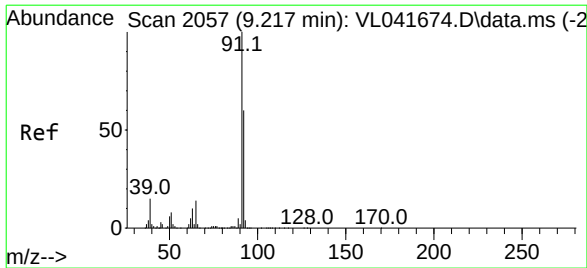
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#52
Tetrachloroethene
Concen: 10.419 ppbv
RT: 10.648 min Scan# 2502
Delta R.T. 0.000 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

Tgt Ion:164 Resp: 833665
Ion Ratio Lower Upper
164 100
166 129.4 100.2 150.4
129 103.6 79.7 119.5
131 97.1 79.0 118.4





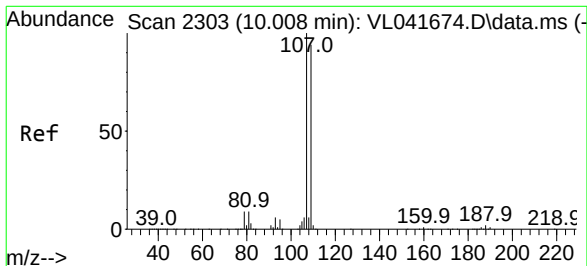
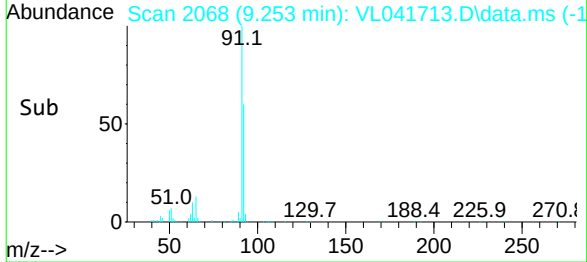
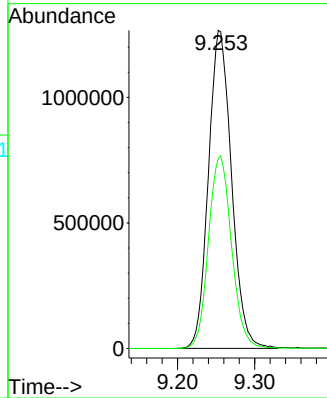
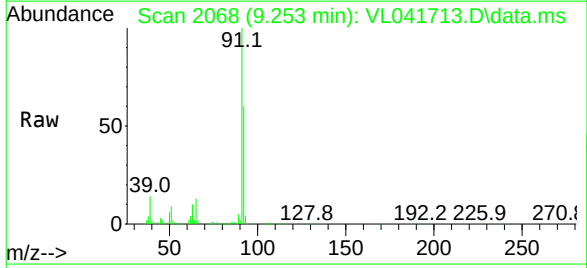
#53
Toluene
Concen: 10.664 ppbv
RT: 9.253 min Scan# 2054
Delta R.T. 0.000 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

Instrument :
MSVOA_L
ClientSampleId :
VL1121ABS01

Tgt Ion: 91 Resp: 2633054
Ion Ratio Lower Upper
91 100
92 60.6 49.0 73.4

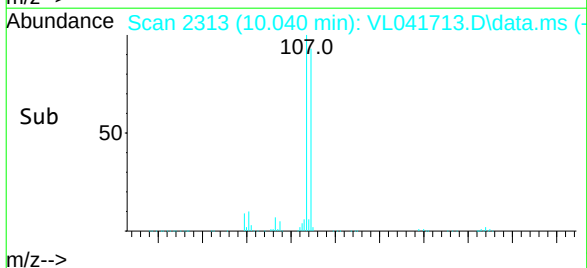
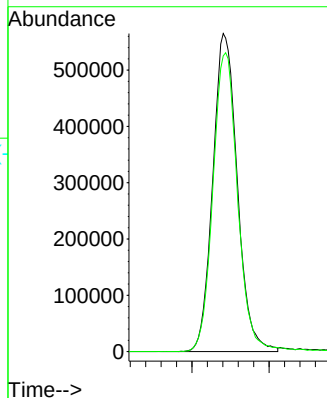
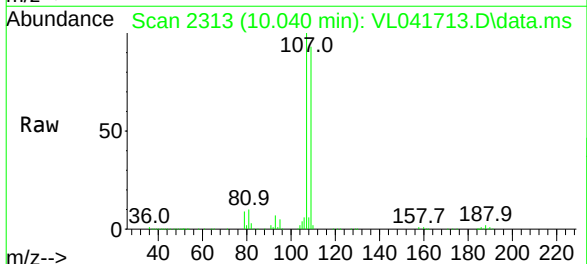
Manual Integrations
APPROVED

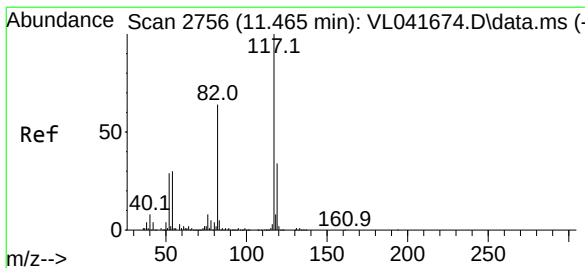
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#54
1,2-Dibromoethane
Concen: 10.629 ppbv
RT: 10.040 min Scan# 2313
Delta R.T. 0.000 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

Tgt Ion:107 Resp: 1247128
Ion Ratio Lower Upper
107 100
109 93.0 74.9 112.3





#55

Chlorobenzene-d5

Concen: 10.000 ppbv m

RT: 11.500 min Scan# 27

Delta R.T. 0.003 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Instrument :

MSVOA_L

ClientSampleId :

VL1121ABS01

Tgt Ion:117 Resp: 2890162

Ion Ratio Lower Upper

117 100

82 64.5 49.8 74.8

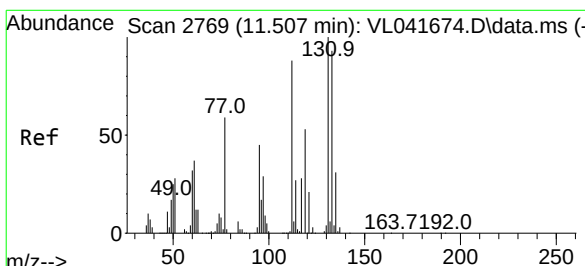
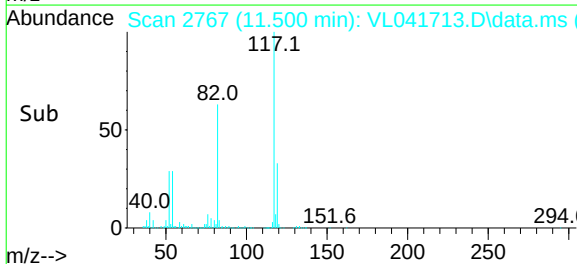
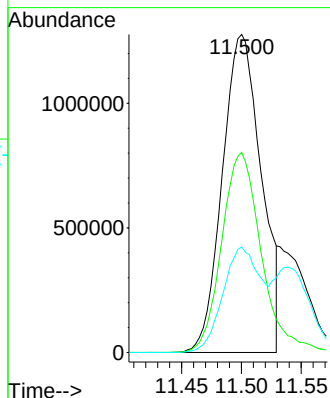
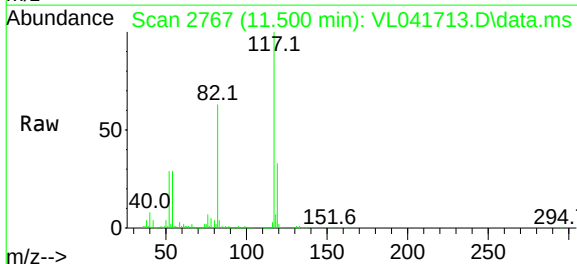
119 32.7 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#56

1,1,1,2-Tetrachloroethane

Concen: 9.718 ppbv

RT: 11.542 min Scan# 2780

Delta R.T. 0.003 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

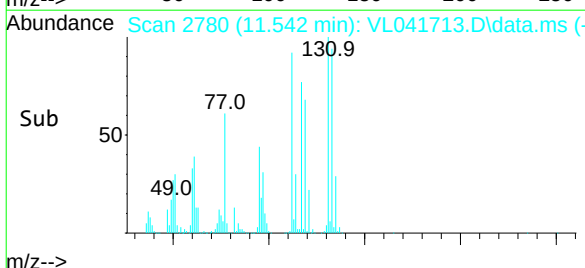
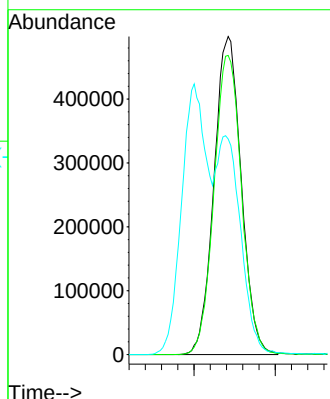
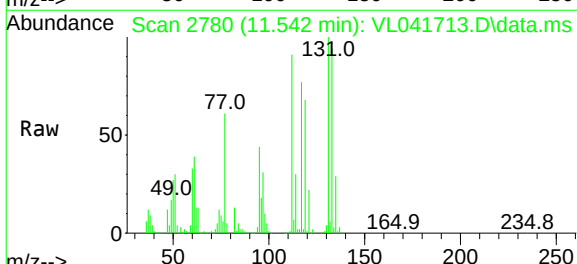
Tgt Ion:131 Resp: 1158400

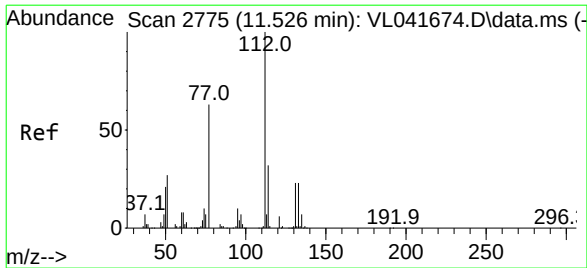
Ion Ratio Lower Upper

131 100

133 95.5 76.5 114.7

119 62.4 49.8 74.8





#57

Chlorobenzene

Concen: 9.722 ppbv

RT: 11.561 min Scan# 27

Delta R.T. 0.003 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Instrument :

MSVOA_L

ClientSampleId :

VL1121ABS01

Tgt Ion:112 Resp: 2078199

Ion Ratio Lower Upper

112 100

77 65.4 51.4 77.2

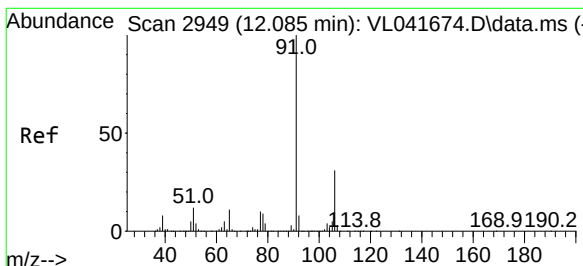
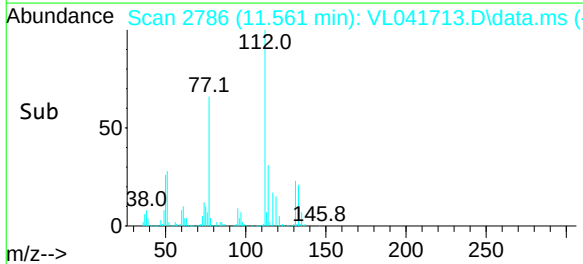
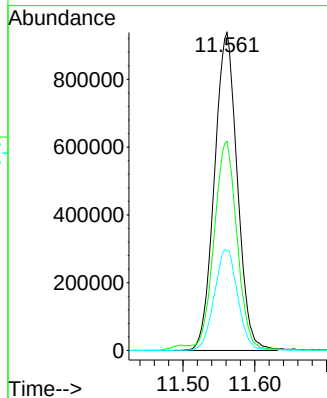
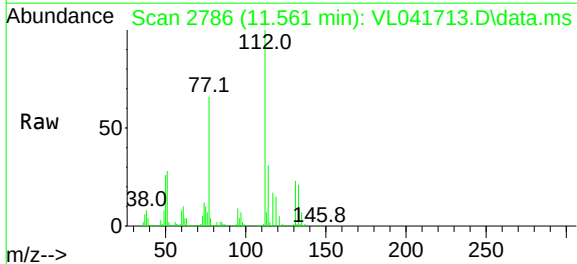
114 31.4 28.4 34.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#58

Ethyl Benzene

Concen: 11.254 ppbv

RT: 12.121 min Scan# 2960

Delta R.T. 0.000 min

Lab File: VL041713.D

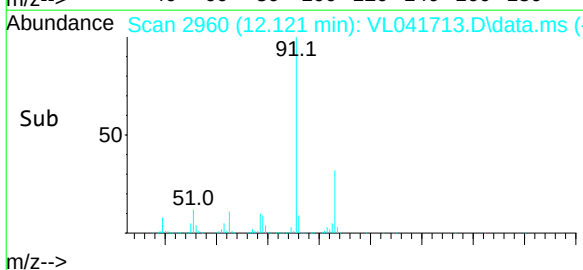
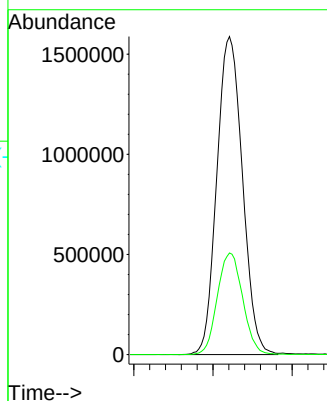
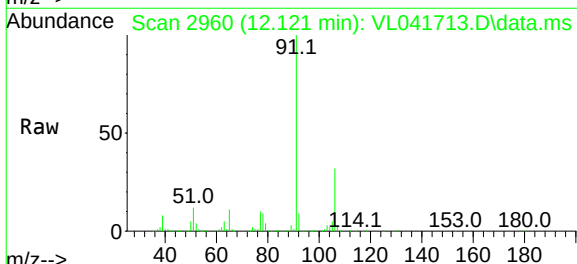
Acq: 21 Nov 2024 10:16

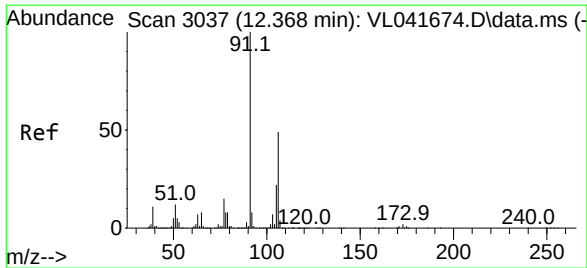
Tgt Ion: 91 Resp: 3565857

Ion Ratio Lower Upper

91 100

106 32.0 24.9 37.3





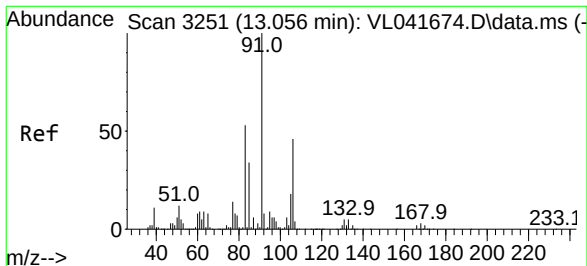
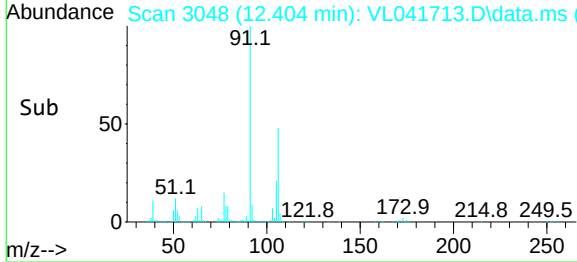
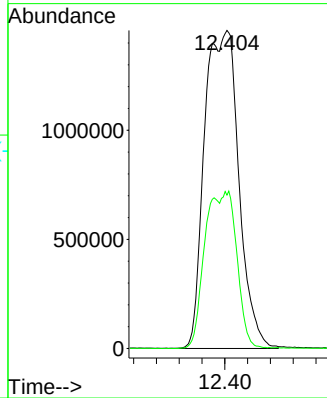
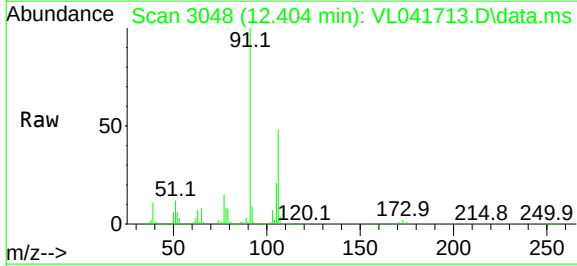
#59
m/p-Xylene
Concen: 21.427 ppbv m
RT: 12.404 min Scan# 3037
Delta R.T. 0.000 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

Instrument :
MSVOA_L
ClientSampleId :
VL1121ABS01

Tgt Ion: 91 Resp: 6079786
Ion Ratio Lower Upper
91 100
106 46.1 36.9 55.3

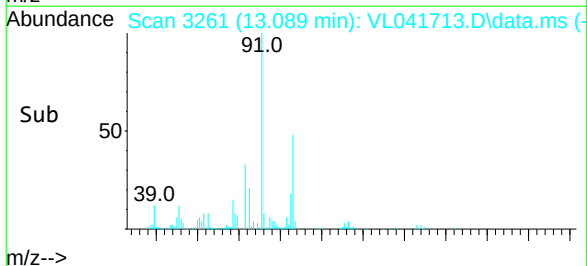
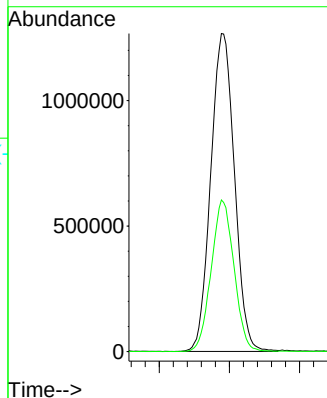
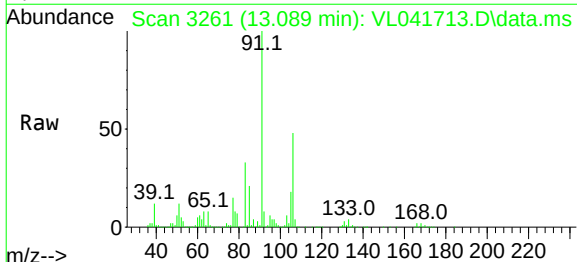
Manual Integrations
APPROVED

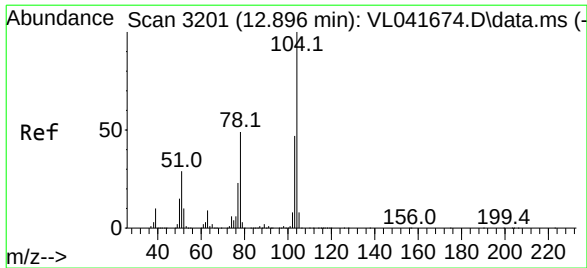
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#60
o-Xylene
Concen: 10.985 ppbv
RT: 13.089 min Scan# 3261
Delta R.T. 0.000 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

Tgt Ion: 91 Resp: 2972199
Ion Ratio Lower Upper
91 100
106 45.9 23.2 69.6





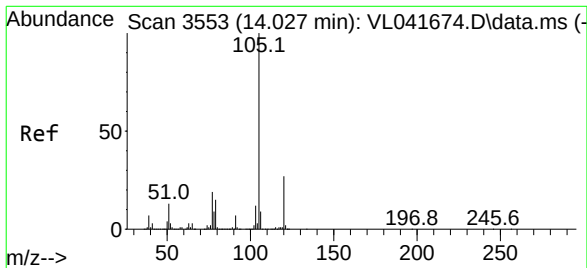
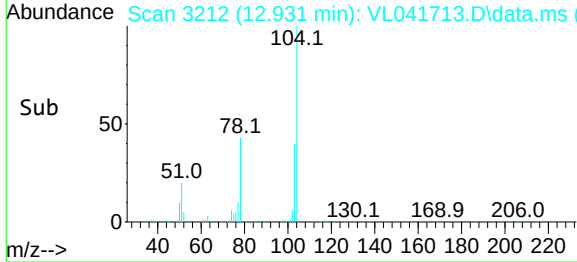
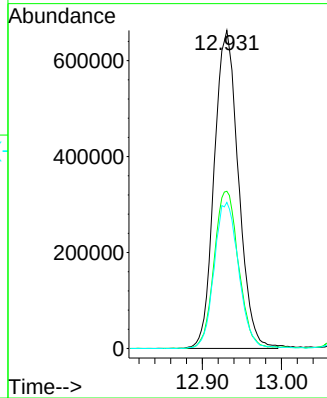
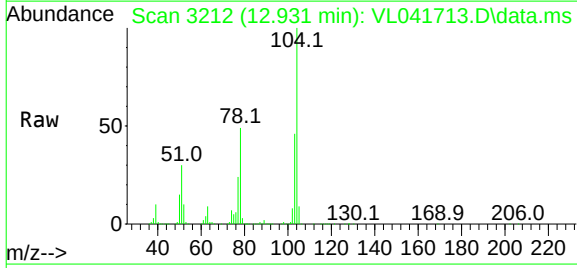
#61
Styrene
Concen: 12.630 ppbv
RT: 12.931 min Scan# 3201
Delta R.T. 0.003 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

Instrument :
MSVOA_L
ClientSampleId :
VL1121ABS01

Tgt Ion:104 Resp: 1410360
Ion Ratio Lower Upper
104 100
78 50.4 39.8 59.8
103 46.8 37.4 56.0

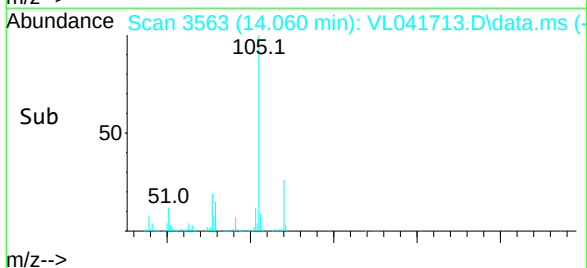
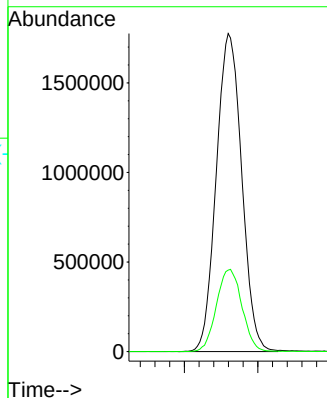
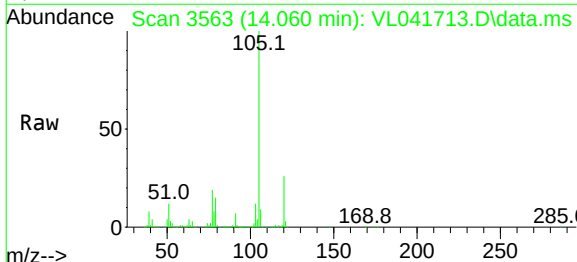
Manual Integrations
APPROVED

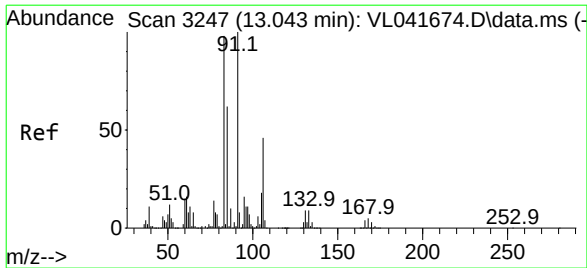
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#62
Isopropylbenzene
Concen: 10.202 ppbv
RT: 14.060 min Scan# 3563
Delta R.T. 0.000 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

Tgt Ion:105 Resp: 4263154
Ion Ratio Lower Upper
105 100
120 26.0 21.1 31.7





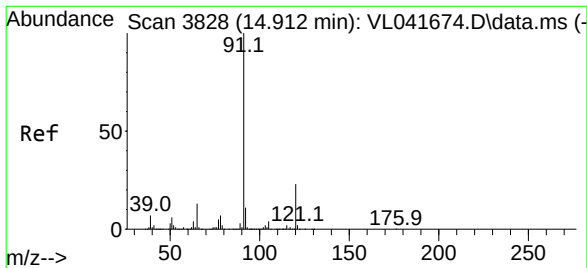
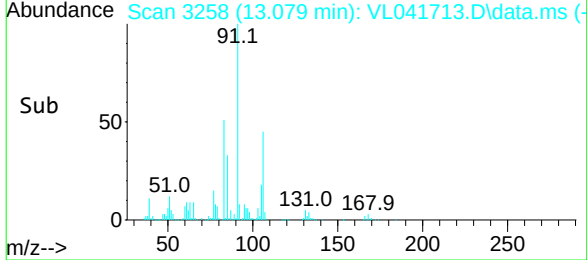
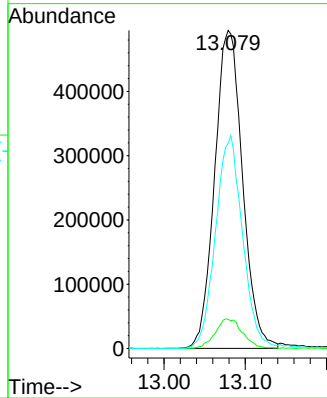
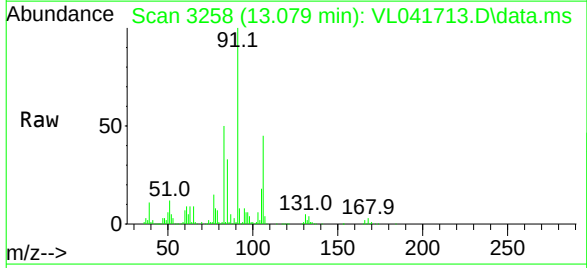
#63
1,1,2,2-Tetrachloroethane
Concen: 5.927 ppbv
RT: 13.079 min Scan# 3247
Delta R.T. 0.000 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

Instrument :
MSVOA_L
ClientSampleId :
VL1121ABS01

Tgt Ion: 83 Resp: 1179536
Ion Ratio Lower Upper
83 100
131 9.2 4.8 14.3
85 65.8 32.6 98.0

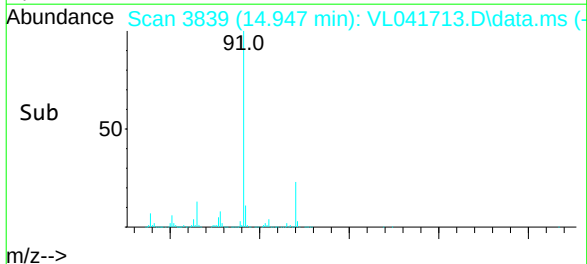
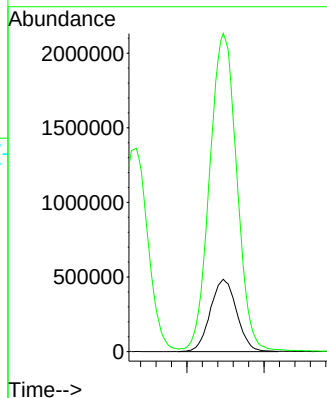
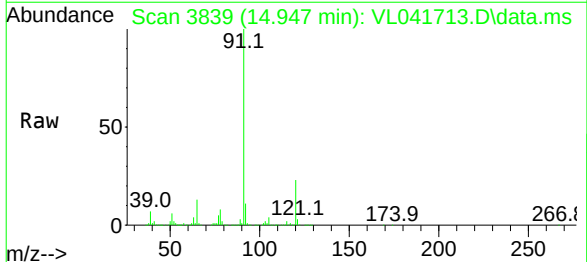
Manual Integrations
APPROVED

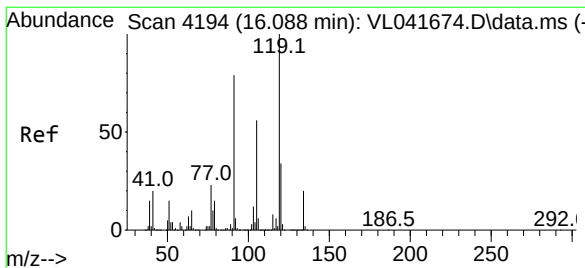
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#64
n-propylbenzene
Concen: 10.482 ppbv
RT: 14.947 min Scan# 3839
Delta R.T. 0.003 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

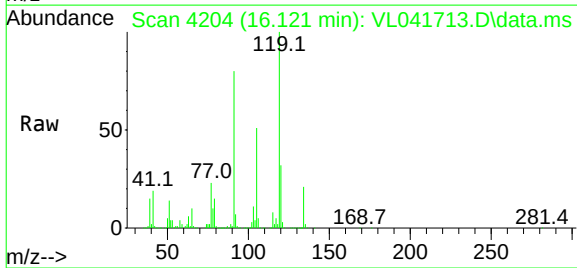
Tgt Ion:120 Resp: 1146628
Ion Ratio Lower Upper
120 100
91 456.5 362.4 543.6





#65
tert-Butylbenzene
Concen: 10.215 ppbv
RT: 16.121 min Scan# 4278
Delta R.T. 0.003 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

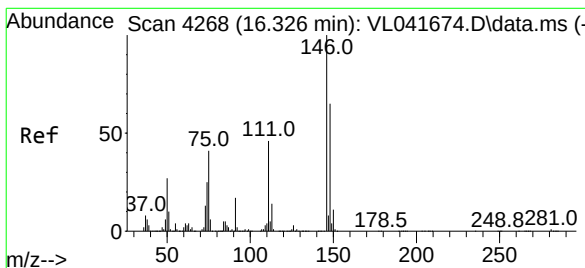
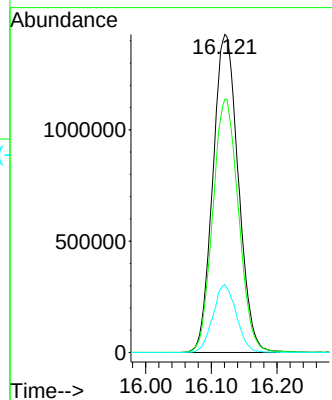
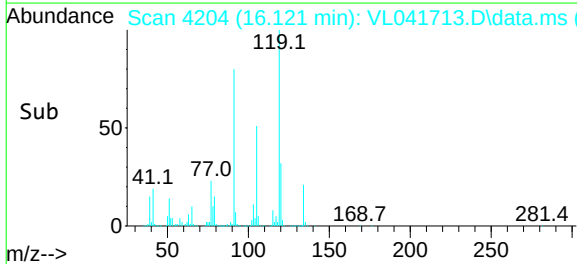
Instrument :
MSVOA_L
ClientSampleId :
VL1121ABS01



Tgt Ion: 119 Resp: 3836581
Ion Ratio Lower Upper
119 100
91 80.8 64.3 96.5
134 19.7 15.8 23.8

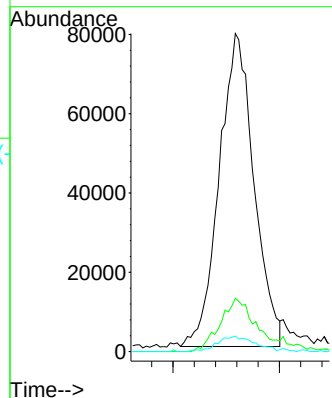
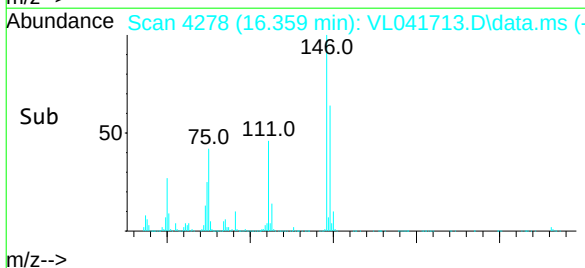
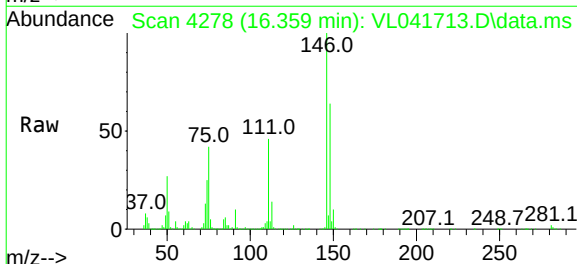
Manual Integrations
APPROVED

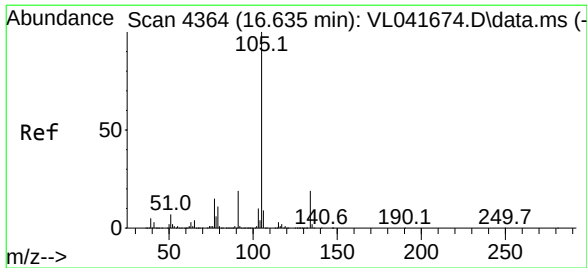
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#66
Benzyl Chloride
Concen: 6.202 ppbv
RT: 16.359 min Scan# 4278
Delta R.T. 0.000 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

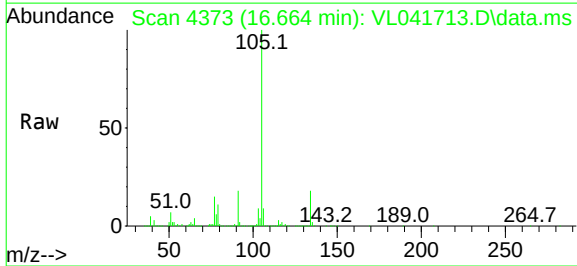
Tgt Ion: 91 Resp: 179175
Ion Ratio Lower Upper
91 100
126 19.3 13.8 20.6
128 5.7 4.3 6.5





#67
sec-Butylbenzene
Concen: 10.134 ppbv
RT: 16.664 min Scan# 4364
Delta R.T. -0.003 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

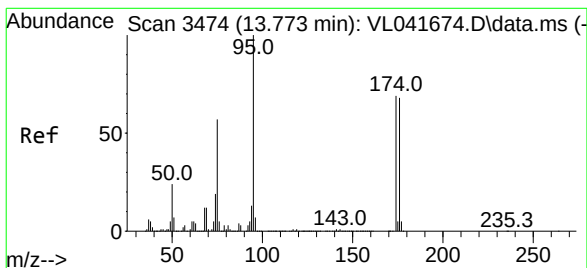
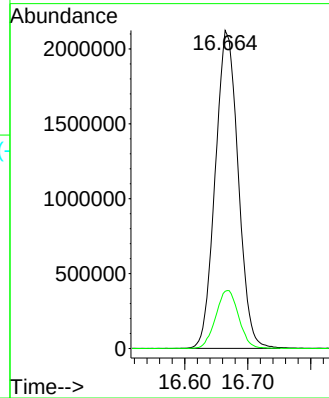
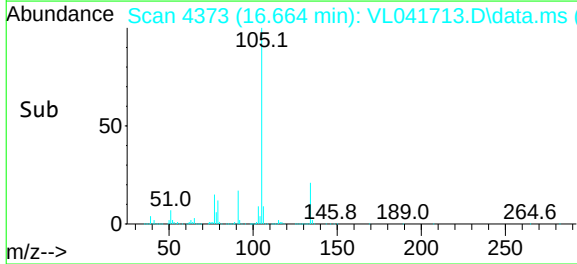
Instrument :
MSVOA_L
ClientSampleId :
VL1121ABS01



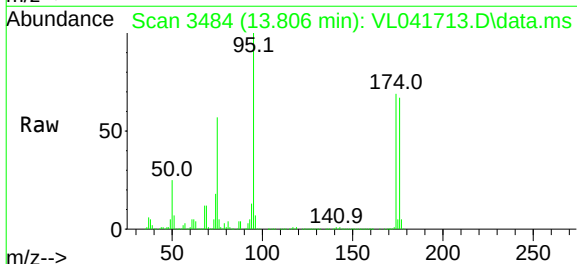
Tgt Ion: 105 Resp: 5364091
Ion Ratio Lower Upper
105 100
134 18.4 14.6 22.0

Manual Integrations
APPROVED

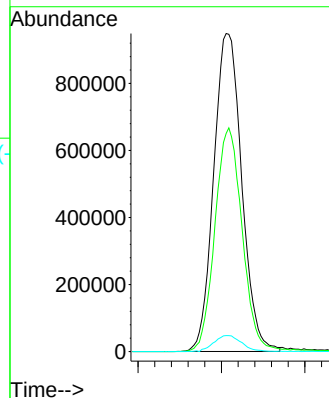
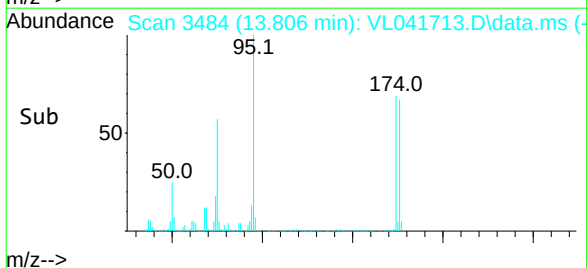
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

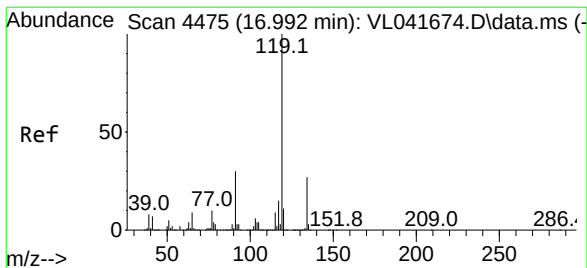


#68
1-Bromo-4-Fluorobenzene
Concen: 10.402 ppbv
RT: 13.806 min Scan# 3484
Delta R.T. 0.000 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16



Tgt Ion: 95 Resp: 2215094
Ion Ratio Lower Upper
95 100
174 69.2 55.6 83.4
175 5.1 4.2 6.2





#69

p-Isopropyltoluene

Concen: 10.419 ppbv

RT: 17.027 min Scan# 44

Delta R.T. 0.000 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Instrument :

MSVOA_L

ClientSampleId :

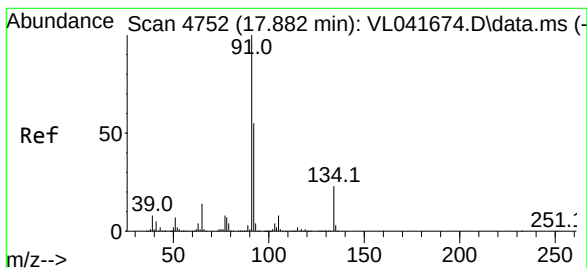
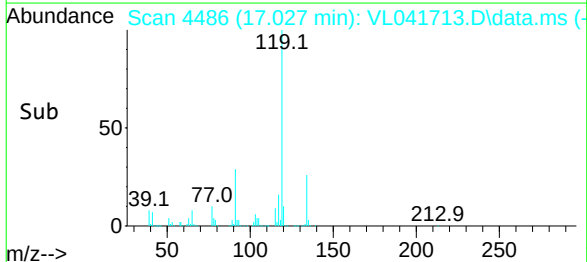
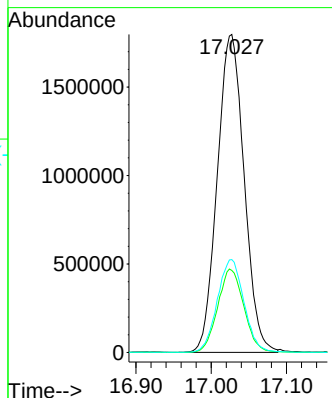
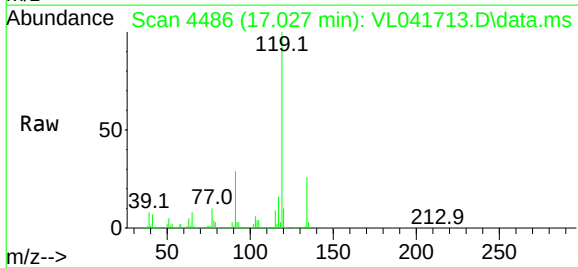
VL1121ABS01

Tgt Ion: 119 Resp: 4458745

Ion	Ratio	Lower	Upper
119	100		
134	25.7	20.8	31.2
91	28.9	23.2	34.8

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#70

n-Butylbenzene

Concen: 10.517 ppbv

RT: 17.918 min Scan# 4763

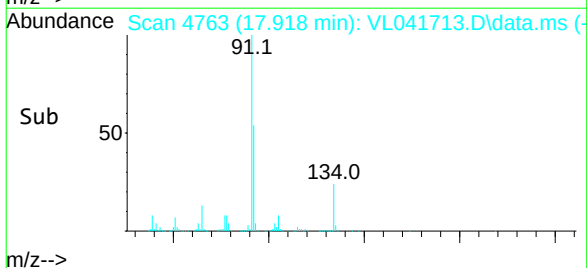
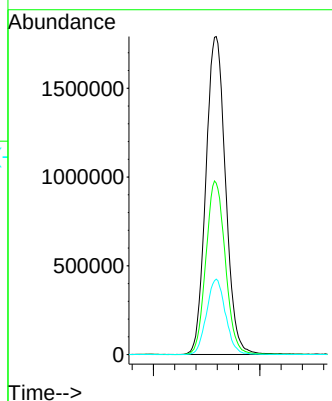
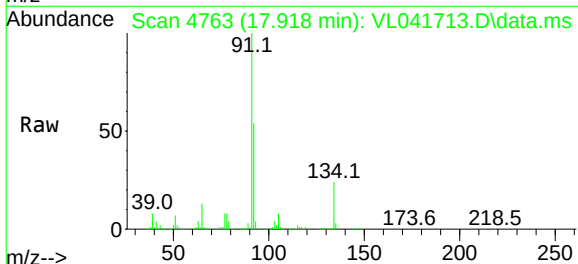
Delta R.T. 0.000 min

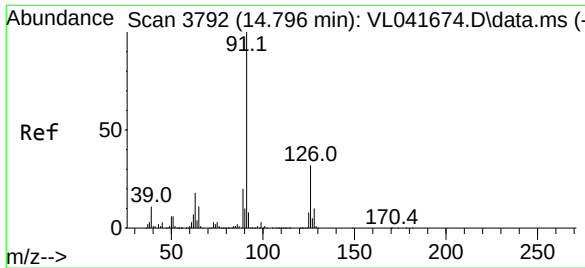
Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Tgt Ion: 91 Resp: 4604740

Ion	Ratio	Lower	Upper
91	100		
92	53.8	43.3	64.9
134	23.0	18.4	27.6





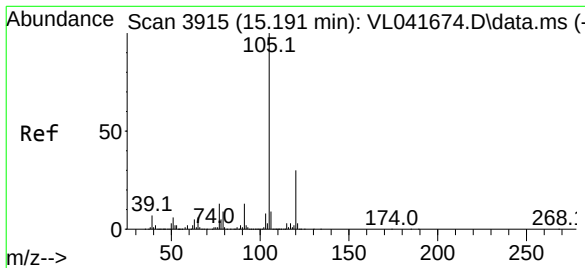
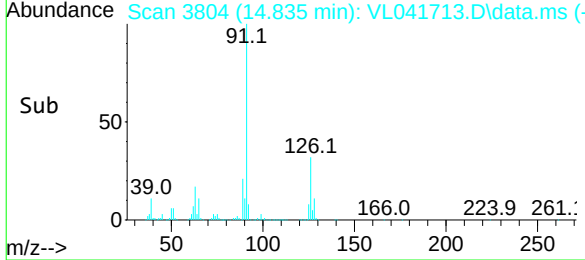
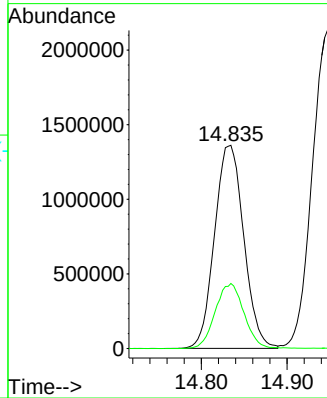
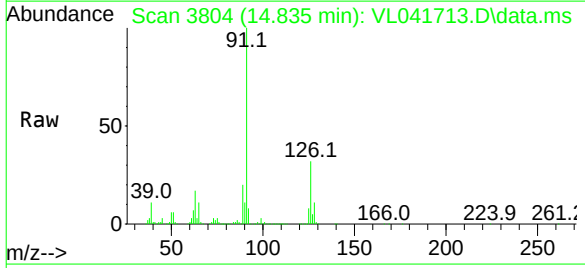
#71
2-Chlorotoluene
Concen: 10.671 ppbv
RT: 14.835 min Scan# 3804
Delta R.T. 0.003 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

Instrument :
MSVOA_L
ClientSampleId :
VL1121ABS01

Tgt Ion: 91 Resp: 3223209
Ion Ratio Lower Upper
91 100
126 31.5 12.8 51.0

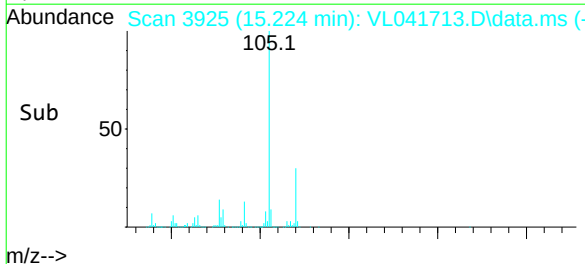
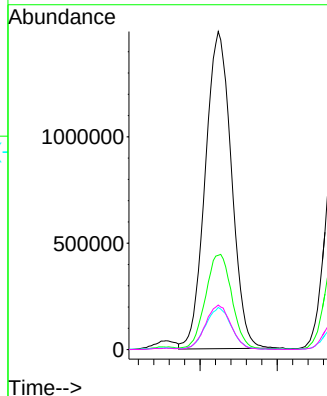
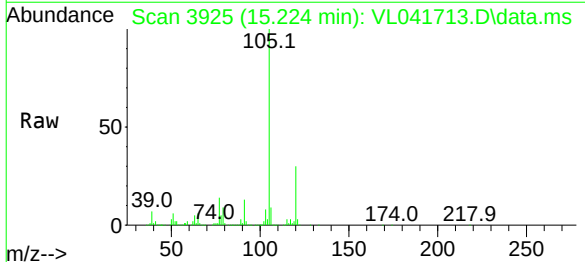
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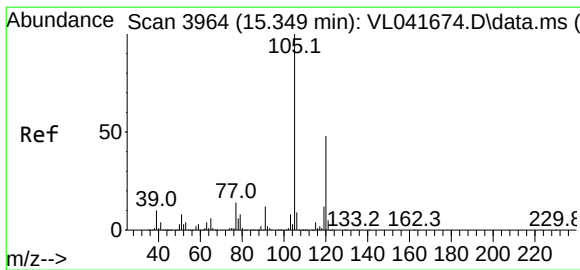
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#72
4-Ethyltoluene
Concen: 11.173 ppbv
RT: 15.224 min Scan# 3925
Delta R.T. 0.000 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

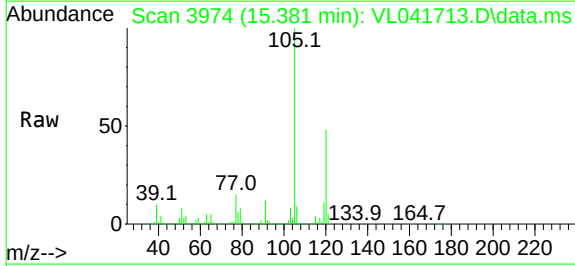
Tgt Ion:105 Resp: 3514757
Ion Ratio Lower Upper
105 100
120 30.6 25.0 37.4
91 13.1 10.6 15.8
77 14.2 11.1 16.7





#73
1,3,5-Trimethylbenzene
Concen: 10.867 ppbv
RT: 15.381 min Scan# 3964
Delta R.T. 0.000 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

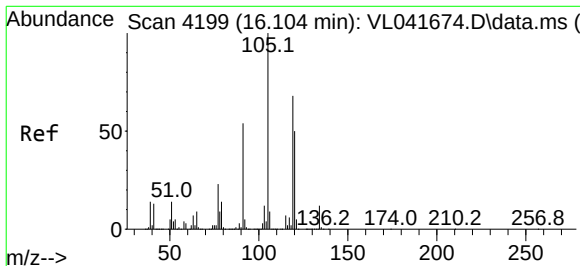
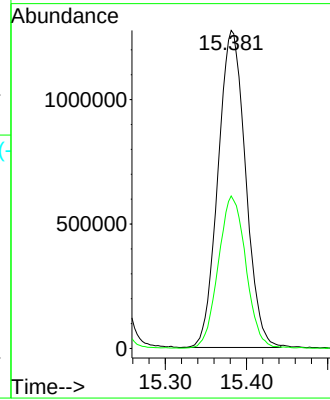
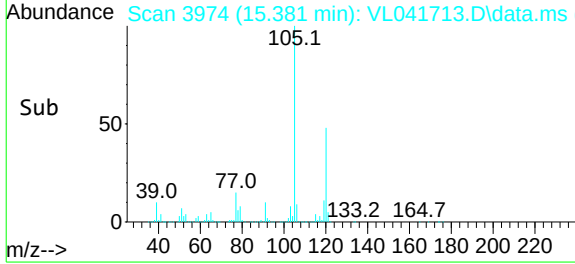
Instrument :
MSVOA_L
ClientSampleId :
VL1121ABS01



Tgt Ion:105 Resp: 2999740
Ion Ratio Lower Upper
105 100
120 48.0 38.4 57.6

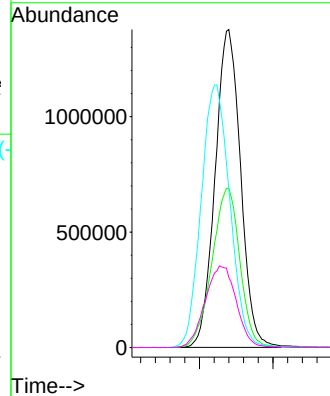
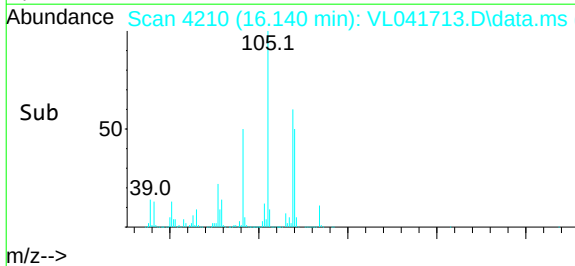
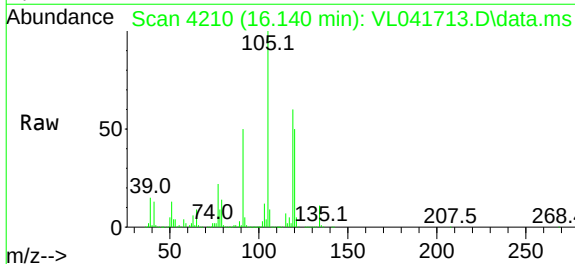
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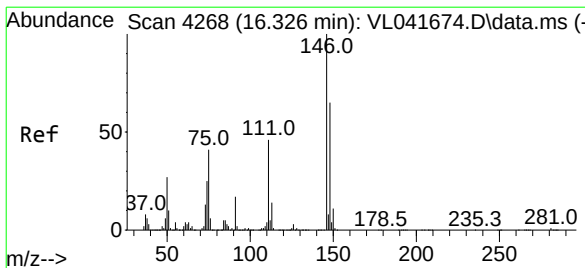
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#74
1,2,4-Trimethylbenzene
Concen: 10.358 ppbv
RT: 16.140 min Scan# 4210
Delta R.T. 0.000 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

Tgt Ion:105 Resp: 3320988
Ion Ratio Lower Upper
105 100
120 49.8 39.8 59.8
91 49.6 43.2 64.8
77 21.8 18.5 27.7





#75

1,3-Dichlorobenzene

Concen: 10.215 ppbv

RT: 16.362 min Scan# 4268

Delta R.T. 0.000 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Instrument :

MSVOA_L

ClientSampleId :

VL1121ABS01

Tgt Ion:146 Resp: 2028386

Ion Ratio Lower Upper

146 100

111 45.2 22.8 68.3

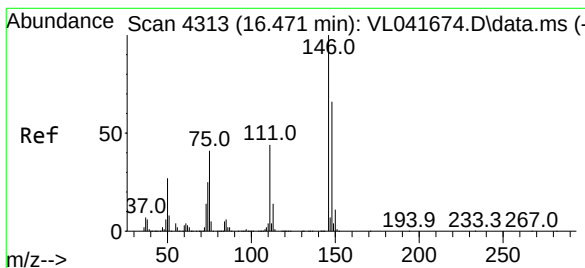
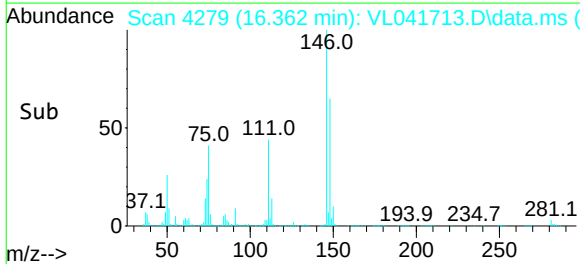
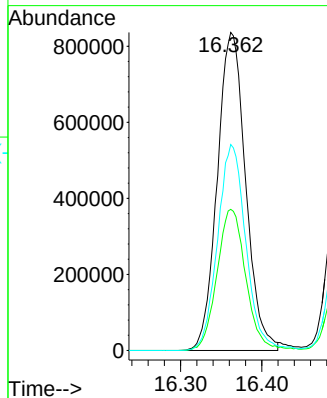
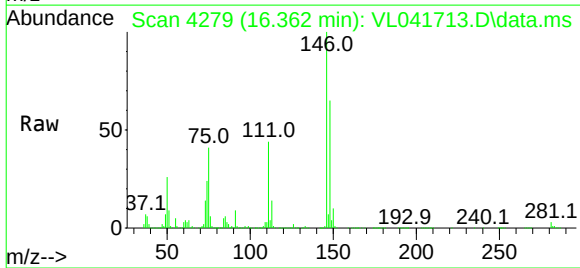
148 64.6 32.4 97.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#76

1,4-Dichlorobenzene

Concen: 10.386 ppbv

RT: 16.506 min Scan# 4324

Delta R.T. 0.000 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

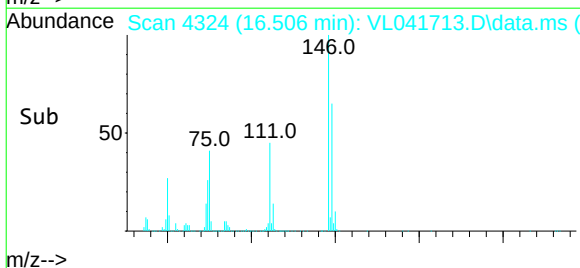
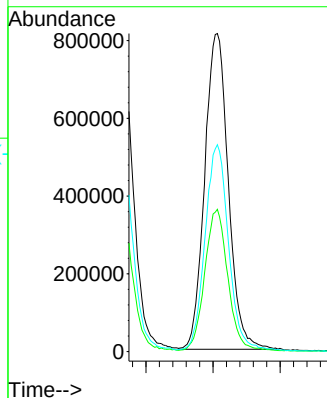
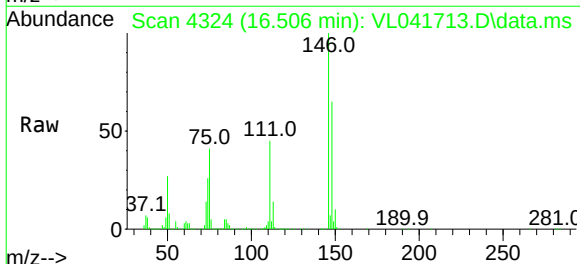
Tgt Ion:146 Resp: 1989769

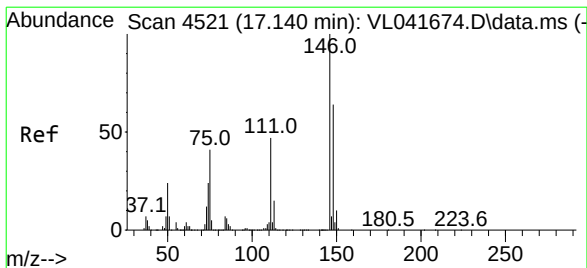
Ion Ratio Lower Upper

146 100

111 44.3 22.1 66.3

148 65.4 33.3 99.8





#77

1,2-Dichlorobenzene

Concen: 10.037 ppbv

RT: 17.175 min Scan# 45

Delta R.T. 0.000 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Instrument :

MSVOA_L

ClientSampleId :

VL1121ABS01

Tgt Ion:146 Resp: 1974338

Ion Ratio Lower Upper

146 100

111 47.5 23.4 70.3

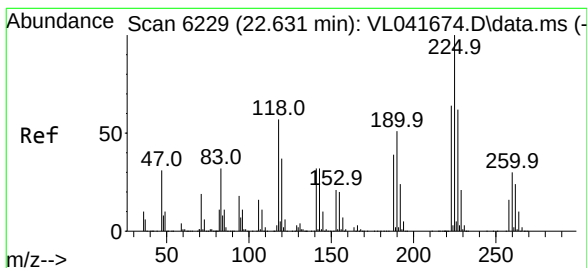
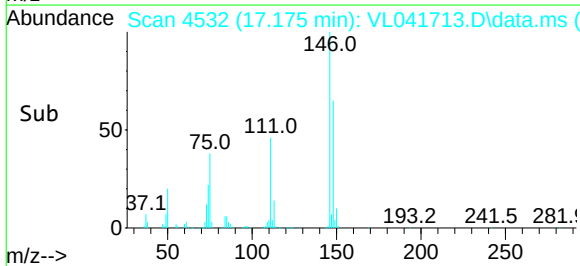
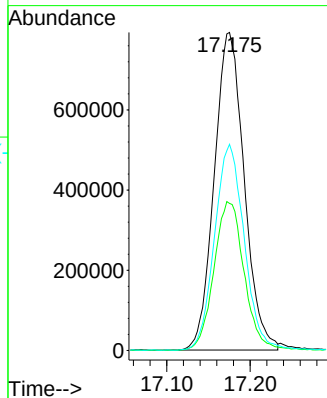
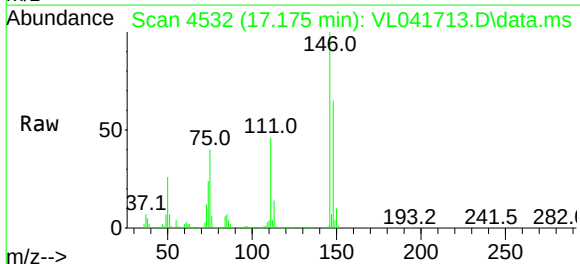
148 64.8 32.1 96.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#78

Hexachloro-1,3-Butadiene

Concen: 8.817 ppbv

RT: 22.670 min Scan# 6241

Delta R.T. 0.006 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

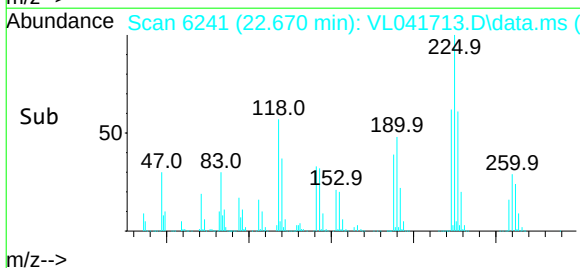
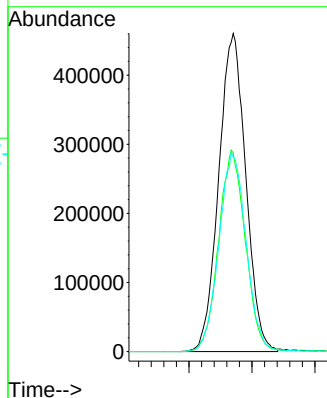
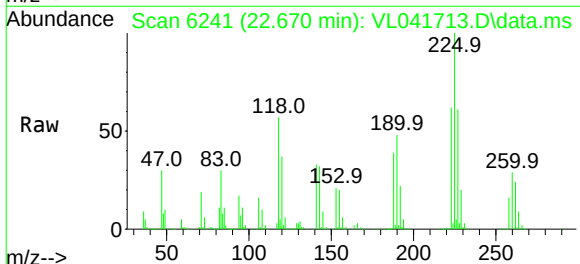
Tgt Ion:225 Resp: 1371815

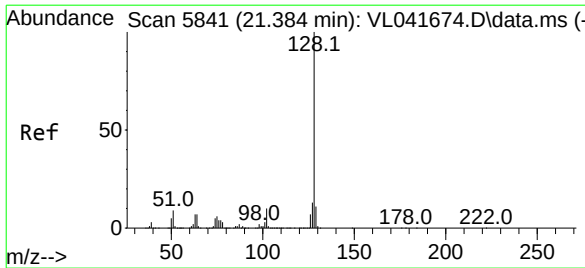
Ion Ratio Lower Upper

225 100

223 62.8 51.1 76.7

227 63.3 51.3 76.9





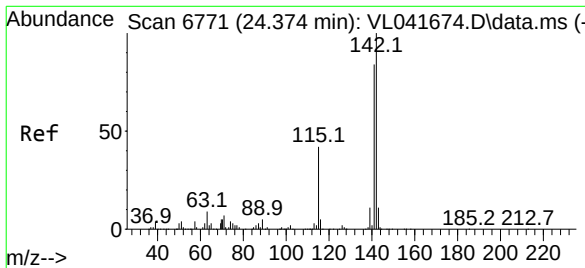
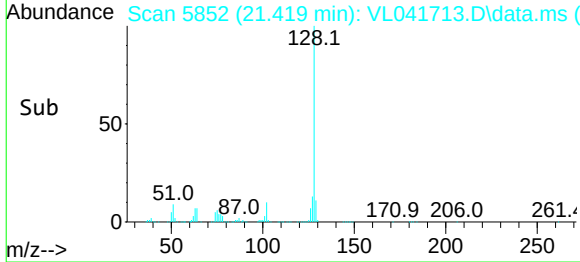
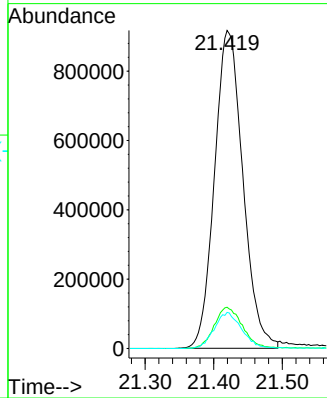
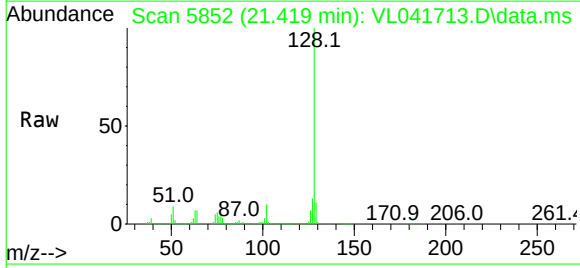
#79
Naphthalene
Concen: 13.302 ppbv
RT: 21.419 min Scan# 5841
Delta R.T. 0.000 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

Instrument :
MSVOA_L
ClientSampleId :
VL1121ABS01

Tgt Ion:128 Resp: 2632672
Ion Ratio Lower Upper
128 100
127 13.0 10.5 15.7
129 11.3 8.7 13.1

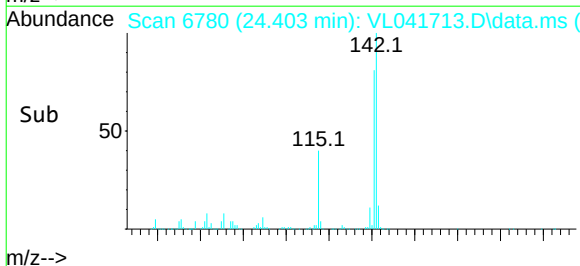
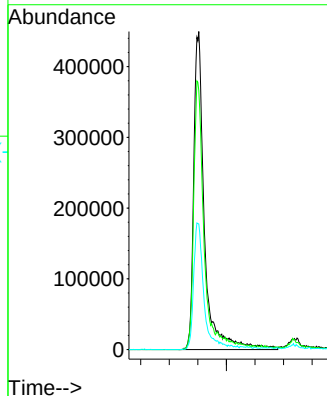
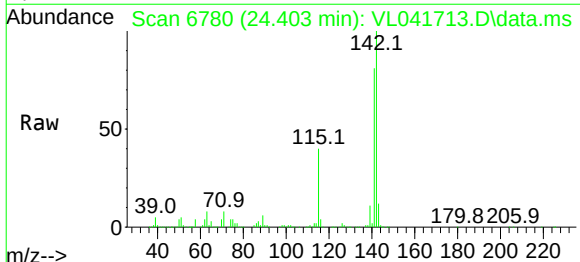
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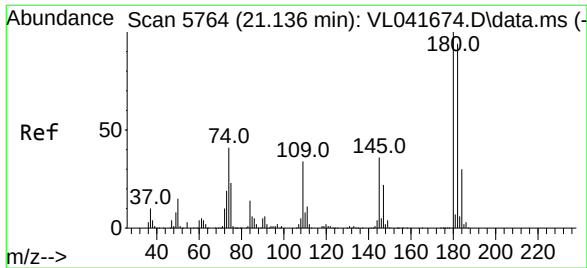
Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



#80
Naphthalene,2-methyl-
Concen: 27.288 ppbv
RT: 24.403 min Scan# 6780
Delta R.T. 0.003 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

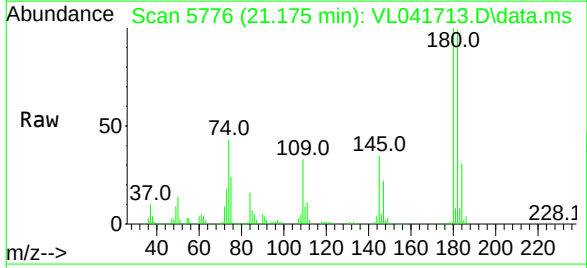
Tgt Ion:142 Resp: 1177283
Ion Ratio Lower Upper
142 100
141 81.4 68.1 102.1
115 38.6 33.1 49.7





#81
1,2,4-Trichlorobenzene
Concen: 10.986 ppbv m
RT: 21.175 min Scan# 57
Delta R.T. 0.000 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

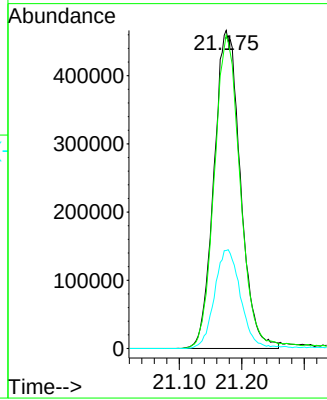
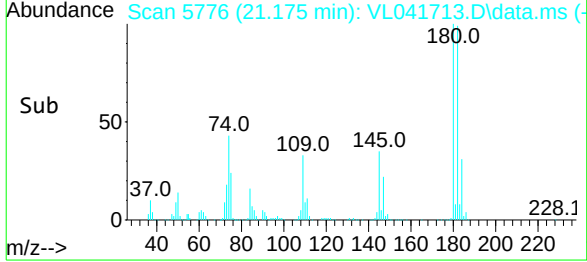
Instrument :
MSVOA_L
ClientSampleId :
VL1121ABS01



Tgt Ion:180 Resp: 1367312
Ion Ratio Lower Upper
180 100
182 0.0 78.2 117.2#
184 31.2 25.0 37.4

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Reviewed By :Semsettin Yesilyurt 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



Manual Integration Report

Sequence:	VL110724	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICCC010	VL041674.D	Chlorobenzene-d5	MMDadoda	11/9/2024 3:47:24 AM	SAM	11/9/2024 10:41:41 AM	Peak Integrated by Software
VSTDICCC010	VL041674.D	Ethanol	MMDadoda	11/9/2024 3:47:24 AM	SAM	11/9/2024 10:41:41 AM	Peak Integrated by Software
VSTDICCC010	VL041674.D	Hexachloro-1,3-Butadiene	MMDadoda	11/9/2024 3:47:24 AM	SAM	11/9/2024 10:41:41 AM	Peak Integrated by Software
VSTDICCC010	VL041674.D	m/p-Xylene	MMDadoda	11/9/2024 3:47:24 AM	SAM	11/9/2024 10:41:41 AM	Peak Integrated by Software
VSTDICCC002	VL041675.D	1,1,2-Trichloroethane	MMDadoda	11/9/2024 3:47:25 AM	SAM	11/9/2024 10:41:47 AM	Peak Integrated by Software
VSTDICCC002	VL041675.D	1,4-Dioxane	MMDadoda	11/9/2024 3:47:25 AM	SAM	11/9/2024 10:41:47 AM	Peak Integrated by Software
VSTDICCC002	VL041675.D	Benzyl Chloride	MMDadoda	11/9/2024 3:47:25 AM	SAM	11/9/2024 10:41:47 AM	Peak Integrated by Software
VSTDICCC002	VL041675.D	Ethanol	MMDadoda	11/9/2024 3:47:25 AM	SAM	11/9/2024 10:41:47 AM	Peak Integrated by Software
VSTDICCC002	VL041675.D	m/p-Xylene	MMDadoda	11/9/2024 3:47:25 AM	SAM	11/9/2024 10:41:47 AM	Peak Integrated by Software
VSTDICCC002	VL041675.D	Tetrachloroethene	MMDadoda	11/9/2024 3:47:25 AM	SAM	11/9/2024 10:41:47 AM	Peak Integrated by Software
VSTDICCC001	VL041676.D	1,2,4-Trichlorobenzene	MMDadoda	11/9/2024 3:47:27 AM	SAM	11/9/2024 10:42:37 AM	Peak Integrated by Software
VSTDICCC001	VL041676.D	1,3-Butadiene	MMDadoda	11/9/2024 3:47:27 AM	SAM	11/9/2024 10:42:37 AM	Peak Integrated by Software
VSTDICCC001	VL041676.D	1,4-Dioxane	MMDadoda	11/9/2024 3:47:27 AM	SAM	11/9/2024 10:42:37 AM	Peak Integrated by Software

Manual Integration Report

Sequence:	vl110724	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VL041676.D	Benzyl Chloride	MMDadoda	11/9/2024 3:47:27 AM	SAM	11/9/2024 10:42:37 AM	Peak Integrated by Software
VSTDICC001	VL041676.D	Bromoform	MMDadoda	11/9/2024 3:47:27 AM	SAM	11/9/2024 10:42:37 AM	Peak Integrated by Software
VSTDICC001	VL041676.D	Hexachloro-1,3-Butadiene	MMDadoda	11/9/2024 3:47:27 AM	SAM	11/9/2024 10:42:37 AM	Peak Integrated by Software
VSTDICC001	VL041676.D	m/p-Xylene	MMDadoda	11/9/2024 3:47:27 AM	SAM	11/9/2024 10:42:37 AM	Peak Integrated by Software
VSTDICC001	VL041676.D	Naphthalene	MMDadoda	11/9/2024 3:47:27 AM	SAM	11/9/2024 10:42:37 AM	Peak Integrated by Software
VSTDICC001	VL041676.D	Naphthalene,2-methyl-	MMDadoda	11/9/2024 3:47:27 AM	SAM	11/9/2024 10:42:37 AM	Peak Integrated by Software
VSTDICC001	VL041676.D	t-1,3-Dichloropropene	MMDadoda	11/9/2024 3:47:27 AM	SAM	11/9/2024 10:42:37 AM	Peak Integrated by Software
VSTDICC001	VL041676.D	trans-1,2-Dichloroethene	MMDadoda	11/9/2024 3:47:27 AM	SAM	11/9/2024 10:42:37 AM	Peak Integrated by Software
VSTDICC001	VL041676.D	Vinyl Acetate	MMDadoda	11/9/2024 3:47:27 AM	SAM	11/9/2024 10:42:37 AM	Peak Integrated by Software
VSTDICC0.5	VL041677.D	1,1,2-Trichloroethane	MMDadoda	11/9/2024 3:47:30 AM	SAM	11/9/2024 10:42:45 AM	Peak Integrated by Software
VSTDICC0.5	VL041677.D	1,2,4-Trichlorobenzene	MMDadoda	11/9/2024 3:47:30 AM	SAM	11/9/2024 10:42:45 AM	Peak Integrated by Software
VSTDICC0.5	VL041677.D	1,2-Dibromoethane	MMDadoda	11/9/2024 3:47:30 AM	SAM	11/9/2024 10:42:45 AM	Peak Integrated by Software
VSTDICC0.5	VL041677.D	1,3,5-Trimethylbenzene	MMDadoda	11/9/2024 3:47:30 AM	SAM	11/9/2024 10:42:45 AM	Peak Integrated by Software

Manual Integration Report

Sequence:	vl110724	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC0.5	VL041677.D	1,3-Dichlorobenzene	MMDadoda	11/9/2024 3:47:30 AM	SAM	11/9/2024 10:42:45 AM	Peak Integrated by Software
VSTDICC0.5	VL041677.D	1,4-Dichlorobenzene	MMDadoda	11/9/2024 3:47:30 AM	SAM	11/9/2024 10:42:45 AM	Peak Integrated by Software
VSTDICC0.5	VL041677.D	1,4-Dioxane	MMDadoda	11/9/2024 3:47:30 AM	SAM	11/9/2024 10:42:45 AM	Peak Integrated by Software
VSTDICC0.5	VL041677.D	2-Hexanone	MMDadoda	11/9/2024 3:47:30 AM	SAM	11/9/2024 10:42:45 AM	Peak Integrated by Software
VSTDICC0.5	VL041677.D	4-Ethyltoluene	MMDadoda	11/9/2024 3:47:30 AM	SAM	11/9/2024 10:42:45 AM	Peak Integrated by Software
VSTDICC0.5	VL041677.D	4-Methyl-2-Pentanone	MMDadoda	11/9/2024 3:47:30 AM	SAM	11/9/2024 10:42:45 AM	Peak Integrated by Software
VSTDICC0.5	VL041677.D	Benzyl Chloride	MMDadoda	11/9/2024 3:47:30 AM	SAM	11/9/2024 10:42:45 AM	Peak Integrated by Software
VSTDICC0.5	VL041677.D	Bromoform	MMDadoda	11/9/2024 3:47:30 AM	SAM	11/9/2024 10:42:45 AM	Peak Integrated by Software
VSTDICC0.5	VL041677.D	Carbon Tetrachloride	MMDadoda	11/9/2024 3:47:30 AM	SAM	11/9/2024 10:42:45 AM	Peak Integrated by Software
VSTDICC0.5	VL041677.D	Chlorobenzene	MMDadoda	11/9/2024 3:47:30 AM	SAM	11/9/2024 10:42:45 AM	Peak Integrated by Software
VSTDICC0.5	VL041677.D	cis-1,3-Dichloropropene	MMDadoda	11/9/2024 3:47:30 AM	SAM	11/9/2024 10:42:45 AM	Peak Integrated by Software
VSTDICC0.5	VL041677.D	Cyclohexane	MMDadoda	11/9/2024 3:47:30 AM	SAM	11/9/2024 10:42:45 AM	Peak Integrated by Software
VSTDICC0.5	VL041677.D	Ethanol	MMDadoda	11/9/2024 3:47:30 AM	SAM	11/9/2024 10:42:45 AM	Peak Integrated by Software

Manual Integration Report

Sequence:	vl110724	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC0.5	VL041677.D	Ethyl Benzene	MMDadoda	11/9/2024 3:47:30 AM	SAM	11/9/2024 10:42:45 AM	Peak Integrated by Software
VSTDICC0.5	VL041677.D	Hexachloro-1,3-Butadiene	MMDadoda	11/9/2024 3:47:30 AM	SAM	11/9/2024 10:42:45 AM	Peak Integrated by Software
VSTDICC0.5	VL041677.D	Isopropyl Alcohol	MMDadoda	11/9/2024 3:47:30 AM	SAM	11/9/2024 10:42:45 AM	Peak Integrated by Software
VSTDICC0.5	VL041677.D	m/p-Xylene	MMDadoda	11/9/2024 3:47:30 AM	SAM	11/9/2024 10:42:45 AM	Peak Integrated by Software
VSTDICC0.5	VL041677.D	Methyl Methacrylate	MMDadoda	11/9/2024 3:47:30 AM	SAM	11/9/2024 10:42:45 AM	Peak Integrated by Software
VSTDICC0.5	VL041677.D	n-Butylbenzene	MMDadoda	11/9/2024 3:47:30 AM	SAM	11/9/2024 10:42:45 AM	Peak Integrated by Software
VSTDICC0.5	VL041677.D	n-propylbenzene	MMDadoda	11/9/2024 3:47:30 AM	SAM	11/9/2024 10:42:45 AM	Peak Integrated by Software
VSTDICC0.5	VL041677.D	Naphthalene	MMDadoda	11/9/2024 3:47:30 AM	SAM	11/9/2024 10:42:45 AM	Peak Integrated by Software
VSTDICC0.5	VL041677.D	Naphthalene,2-methyl-	MMDadoda	11/9/2024 3:47:30 AM	SAM	11/9/2024 10:42:45 AM	Peak Integrated by Software
VSTDICC0.5	VL041677.D	Styrene	MMDadoda	11/9/2024 3:47:30 AM	SAM	11/9/2024 10:42:45 AM	Peak Integrated by Software
VSTDICC0.5	VL041677.D	t-1,3-Dichloropropene	MMDadoda	11/9/2024 3:47:30 AM	SAM	11/9/2024 10:42:45 AM	Peak Integrated by Software
VSTDICC0.5	VL041677.D	Tetrachloroethene	MMDadoda	11/9/2024 3:47:30 AM	SAM	11/9/2024 10:42:45 AM	Peak Integrated by Software
VSTDICC0.5	VL041677.D	Tetrahydrofuran	MMDadoda	11/9/2024 3:47:30 AM	SAM	11/9/2024 10:42:45 AM	Peak Integrated by Software

Manual Integration Report

Sequence:	vl110724	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDIC0.5	VL041677.D	Vinyl Acetate	MMDadoda	11/9/2024 3:47:30 AM	SAM	11/9/2024 10:42:45 AM	Peak Integrated by Software
VSTDIC0.1	VL041678.D	1,1,1-Trichloroethane	MMDadoda	11/9/2024 3:47:32 AM	SAM	11/9/2024 10:41:22 AM	Peak Integrated by Software
VSTDIC0.1	VL041678.D	1,1,2,2-Tetrachloroethane	MMDadoda	11/9/2024 3:47:32 AM	SAM	11/9/2024 10:41:22 AM	Peak Integrated by Software
VSTDIC0.1	VL041678.D	1,2-Dibromoethane	MMDadoda	11/9/2024 3:47:32 AM	SAM	11/9/2024 10:41:22 AM	Peak Integrated by Software
VSTDIC0.1	VL041678.D	Carbon Tetrachloride	MMDadoda	11/9/2024 3:47:32 AM	SAM	11/9/2024 10:41:22 AM	Peak Integrated by Software
VSTDIC0.1	VL041678.D	Naphthalene	MMDadoda	11/9/2024 3:47:32 AM	SAM	11/9/2024 10:41:22 AM	Peak Integrated by Software
VSTDIC0.1	VL041678.D	Tetrachloroethene	MMDadoda	11/9/2024 3:47:32 AM	SAM	11/9/2024 10:41:22 AM	Peak Integrated by Software
VSTDIC0.1	VL041678.D	Trichloroethene	MMDadoda	11/9/2024 3:47:32 AM	SAM	11/9/2024 10:41:22 AM	Peak Integrated by Software
VSTDIC0.03	VL041679.D	1,1,1-Trichloroethane	MMDadoda	11/9/2024 3:47:49 AM	SAM	11/9/2024 10:42:51 AM	Peak Integrated by Software
VSTDIC0.03	VL041679.D	1,1,2,2-Tetrachloroethane	MMDadoda	11/9/2024 3:47:49 AM	SAM	11/9/2024 10:42:51 AM	Peak Integrated by Software
VSTDIC0.03	VL041679.D	Carbon Tetrachloride	MMDadoda	11/9/2024 3:47:49 AM	SAM	11/9/2024 10:42:51 AM	Peak Integrated by Software
VSTDIC0.03	VL041679.D	Tetrachloroethene	MMDadoda	11/9/2024 3:47:49 AM	SAM	11/9/2024 10:42:51 AM	Peak Integrated by Software
VSTDIC0.03	VL041679.D	Trichloroethene	MMDadoda	11/9/2024 3:47:49 AM	SAM	11/9/2024 10:42:51 AM	Peak Integrated by Software

Manual Integration Report

Sequence:	vl110724	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC0.03	VL041679.D	Vinyl Chloride	MMDadoda	11/9/2024 3:47:49 AM	SAM	11/9/2024 10:42:51 AM	Peak Integrated by Software
VSTDICC015	VL041680.D	Ethanol	MMDadoda	11/9/2024 3:47:51 AM	SAM	11/9/2024 10:42:57 AM	Peak Integrated by Software
VSTDICC015	VL041680.D	m/p-Xylene	MMDadoda	11/9/2024 3:47:51 AM	SAM	11/9/2024 10:42:57 AM	Peak Integrated by Software
VSTDICC015	VL041680.D	Naphthalene,2-methyl-	MMDadoda	11/9/2024 3:47:51 AM	SAM	11/9/2024 10:42:57 AM	Peak Integrated by Software
VSTDICV010	VL041681.D	Chlorobenzene-d5	MMDadoda	11/9/2024 3:47:53 AM	SAM	11/9/2024 10:43:26 AM	Peak Integrated by Software
VSTDICV010	VL041681.D	Ethanol	MMDadoda	11/9/2024 3:47:53 AM	SAM	11/9/2024 10:43:26 AM	Peak Integrated by Software
VSTDICV010	VL041681.D	m/p-Xylene	MMDadoda	11/9/2024 3:47:53 AM	SAM	11/9/2024 10:43:26 AM	Peak Integrated by Software
VSTDCCC010	VL041695.D	Benzyl Chloride	MMDadoda	11/9/2024 3:48:07 AM	SAM	11/9/2024 10:42:21 AM	Peak Integrated by Software
VSTDCCC010	VL041695.D	Chlorobenzene-d5	MMDadoda	11/9/2024 3:48:07 AM	SAM	11/9/2024 10:42:21 AM	Peak Integrated by Software
VSTDCCC010	VL041695.D	Ethanol	MMDadoda	11/9/2024 3:48:07 AM	SAM	11/9/2024 10:42:21 AM	Peak Integrated by Software
VSTDCCC010	VL041695.D	m/p-Xylene	MMDadoda	11/9/2024 3:48:07 AM	SAM	11/9/2024 10:42:21 AM	Peak Integrated by Software

Manual Integration Report

Sequence:	VL112024	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC010	VL041697.D	Chlorobenzene-d5	SAM	11/21/2024 3:24:19 PM	MMDadoda	11/21/2024 3:23:37 PM	Peak Integrated by Software
VSTDCCC010	VL041697.D	Ethanol	SAM	11/21/2024 3:24:19 PM	MMDadoda	11/21/2024 3:23:37 PM	Peak Integrated by Software
VSTDCCC010	VL041697.D	m/p-Xylene	SAM	11/21/2024 3:24:19 PM	MMDadoda	11/21/2024 3:23:37 PM	Peak Integrated by Software
VL1120ABS01	VL041699.D	Benzyl Chloride	SAM	11/21/2024 3:24:19 PM	MMDadoda	11/21/2024 3:23:38 PM	Peak Integrated by Software
VL1120ABS01	VL041699.D	Chlorobenzene-d5	SAM	11/21/2024 3:24:19 PM	MMDadoda	11/21/2024 3:23:38 PM	Peak Integrated by Software
VL1120ABS01	VL041699.D	Ethanol	SAM	11/21/2024 3:24:19 PM	MMDadoda	11/21/2024 3:23:38 PM	Peak Integrated by Software
VL1120ABS01	VL041699.D	m/p-Xylene	SAM	11/21/2024 3:24:19 PM	MMDadoda	11/21/2024 3:23:38 PM	Peak Integrated by Software
VSTDCCC010	VL041709.D	Benzyl Chloride	SAM	11/21/2024 3:24:27 PM	MMDadoda	11/21/2024 3:23:48 PM	Peak Integrated by Software
VSTDCCC010	VL041709.D	Chlorobenzene-d5	SAM	11/21/2024 3:24:27 PM	MMDadoda	11/21/2024 3:23:48 PM	Peak Integrated by Software
VSTDCCC010	VL041709.D	Ethanol	SAM	11/21/2024 3:24:27 PM	MMDadoda	11/21/2024 3:23:48 PM	Peak Integrated by Software
VSTDCCC010	VL041709.D	m/p-Xylene	SAM	11/21/2024 3:24:27 PM	MMDadoda	11/21/2024 3:23:48 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	vl112124	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC010	VL041711.D	Chlorobenzene-d5	SAM	11/22/2024 8:05:03 AM	MMDadoda	11/22/2024 3:32:18 PM	Peak Integrated by Software
VSTDCCC010	VL041711.D	Ethanol	SAM	11/22/2024 8:05:03 AM	MMDadoda	11/22/2024 3:32:18 PM	Peak Integrated by Software
VSTDCCC010	VL041711.D	Hexachloro-1,3-Butadiene	SAM	11/22/2024 8:05:03 AM	MMDadoda	11/22/2024 3:32:18 PM	Peak Integrated by Software
VSTDCCC010	VL041711.D	m/p-Xylene	SAM	11/22/2024 8:05:03 AM	MMDadoda	11/22/2024 3:32:18 PM	Peak Integrated by Software
VL1121ABS01	VL041713.D	1,2,4-Trichlorobenzene	SAM	11/22/2024 8:05:07 AM	MMDadoda	11/22/2024 3:32:23 PM	Peak Integrated by Software
VL1121ABS01	VL041713.D	Chlorobenzene-d5	SAM	11/22/2024 8:05:07 AM	MMDadoda	11/22/2024 3:32:23 PM	Peak Integrated by Software
VL1121ABS01	VL041713.D	Ethanol	SAM	11/22/2024 8:05:07 AM	MMDadoda	11/22/2024 3:32:23 PM	Peak Integrated by Software
VL1121ABS01	VL041713.D	m/p-Xylene	SAM	11/22/2024 8:05:07 AM	MMDadoda	11/22/2024 3:32:23 PM	Peak Integrated by Software
P4633-01DL	VL041714.D	Chloroethane	SAM	12/2/2024 9:05:45 AM	 	 	Peak Integrated by Software
P4633-01DL2	VL041715.D	1,1-Dichloroethene	SAM	12/2/2024 9:05:52 AM	 	 	Peak Integrated by Software
P4633-01DL2	VL041715.D	1,2,4-Trichlorobenzene	SAM	12/2/2024 9:05:52 AM	 	 	Peak Integrated by Software
P4633-01DL2	VL041715.D	Chloroethane	SAM	12/2/2024 9:05:52 AM	 	 	Peak Integrated by Software
VSTDCCC010	VL041716.D	Ethanol	SAM	11/22/2024 8:05:12 AM	MMDadoda	11/22/2024 3:32:25 PM	Peak Integrated by Software



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

Manual Integration Report

Sequence:

vl112124

Instrument

MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC010	VL041716.D	m/p-Xylene	SAM	11/22/2024 8:05:12 AM	MMDadoda	11/22/2024 3:32:25 PM	Peak Integrated by Software

Instrument ID: **MSVOA_L**

Daily Analysis Runlog For Sequence/QC Batch ID # VL110724

Review By	Mahesh Dadoda	Review On	11/9/2024 3:48:21 AM
Supervise By	Semsettin Yesilyurt	Supervise On	11/9/2024 10:50:42 AM
SubDirectory	VL110724	HP Acquire Method	AIR-TO15
		HP Processing Method	VL110724AIR.M
STD. NAME	STD REF.#		
Tune/Reschk	AP2549		
Initial Calibration Stds	AP2552,AP2554,AP2555		
CCC	AP2552		
Internal Standard/PEM	AP2549		
ICV/I.BLK	AP2553		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL041672.D	7 Nov 2024 8:58	SY/MD	Ok
2	VSTDIC0.5	VL041673.D	7 Nov 2024 9:36	SY/MD	Not Ok
3	VSTDICCC010	VL041674.D	7 Nov 2024 10:15	SY/MD	Ok,M
4	VSTDIC002	VL041675.D	7 Nov 2024 10:55	SY/MD	Ok,M
5	VSTDIC001	VL041676.D	7 Nov 2024 11:34	SY/MD	Ok,M
6	VSTDIC0.5	VL041677.D	7 Nov 2024 12:13	SY/MD	Ok,M
7	VSTDIC0.1	VL041678.D	7 Nov 2024 12:52	SY/MD	Ok,M
8	VSTDIC0.03	VL041679.D	7 Nov 2024 13:31	SY/MD	Ok,M
9	VSTDIC015	VL041680.D	7 Nov 2024 14:12	SY/MD	Ok,M
10	VSTDICV010	VL041681.D	7 Nov 2024 14:51	SY/MD	Ok,M
11	VL1107ABL01	VL041682.D	7 Nov 2024 17:44	SY/MD	Ok
12	VL1107ABS01	VL041683.D	7 Nov 2024 18:24	SY/MD	Ok,M
13	VIBLK	VL041684.D	7 Nov 2024 19:04	SY/MD	Ok
14	P4696-02	VL041685.D	7 Nov 2024 19:44	SY/MD	Ok,M
15	P4696-02DL	VL041686.D	7 Nov 2024 20:24	SY/MD	Not Ok
16	VIBLK	VL041687.D	7 Nov 2024 21:03	SY/MD	Ok
17	P4696-01	VL041688.D	7 Nov 2024 21:44	SY/MD	Ok,M
18	P4696-01DUP	VL041689.D	7 Nov 2024 22:24	SY/MD	Ok,M
19	P4696-01DL	VL041690.D	7 Nov 2024 23:03	SY/MD	Not Ok
20	QC102124 CAN 10311	VL041691.D	7 Nov 2024 23:42	SY/MD	Ok
21	CAN 10268	VL041692.D	8 Nov 2024 00:21	SY/MD	Ok

Instrument ID: **MSVOA_L**

Daily Analysis Runlog For Sequence/QC Batch ID # VL110724

Review By	Mahesh Dadoda	Review On	11/9/2024 3:48:21 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/9/2024 10:50:42 AM		
SubDirectory	VL110724	HP Acquire Method	AIR-TO15	HP Processing Method	VL110724AIR.M
STD. NAME	STD REF.#				
Tune/Reschk	AP2549				
Initial Calibration Stds	AP2552,AP2554,AP2555				
CCC	AP2552				
Internal Standard/PEM	AP2549				
ICV/I.BLK	AP2553				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	CAN 10297	VL041693.D	8 Nov 2024 1:00	SY/MD	Ok
23	CAN 10154	VL041694.D	8 Nov 2024 1:39	SY/MD	Ok
24	VSTDCCC010	VL041695.D	8 Nov 2024 2:18	SY/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_L**

Daily Analysis Runlog For Sequence/QC Batch ID # VL112024

Review By	Mahesh Dadoda	Review On	11/21/2024 3:23:36 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/21/2024 3:24:29 PM		
SubDirectory	VL112024	HP Acquire Method	AIR-TO15	HP Processing Method	VL110724AIR.M
STD. NAME		STD REF.#			
Tune/Reschk	AP2550				
Initial Calibration Stds	AP2552,AP2554,AP2555				
CCC	AP2552				
Internal Standard/PEM	AP2550				
ICV/I.BLK	AP2553				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL041696.D	20 Nov 2024 7:31	SY/MD	Ok
2	VSTDCCC010	VL041697.D	20 Nov 2024 8:09	SY/MD	Ok,M
3	VL1120ABL01	VL041698.D	20 Nov 2024 12:36	SY/MD	Ok
4	VL1120ABS01	VL041699.D	20 Nov 2024 13:15	SY/MD	Ok,M
5	VIBLK	VL041700.D	20 Nov 2024 13:53	SY/MD	Ok
6	P4633-01	VL041701.D	20 Nov 2024 15:54	SY/MD	Dilution
7	P4633-01	VL041702.D	20 Nov 2024 16:34	SY/MD	Not Ok
8	P4633-01DL	VL041703.D	20 Nov 2024 17:13	SY/MD	Not Ok
9	VIBLK	VL041704.D	20 Nov 2024 17:53	SY/MD	Ok
10	P4911-02	VL041705.D	20 Nov 2024 18:35	SY/MD	Ok,M
11	P4911-02DUP	VL041706.D	20 Nov 2024 19:15	SY/MD	Ok,M
12	P4911-01	VL041707.D	20 Nov 2024 19:54	SY/MD	Ok,M
13	P4911-01DL	VL041708.D	20 Nov 2024 20:33	SY/MD	Not Ok
14	VSTDCCC010	VL041709.D	21 Nov 2024 7:29	SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QC Batch ID # VL112124

Review By	Mahesh Dadoda	Review On	11/22/2024 3:32:35 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/22/2024 3:35:01 PM		
SubDirectory	VL112124	HP Acquire Method	AIR-TO15	HP Processing Method	VL110724AIR.M
STD. NAME		STD REF.#			
Tune/Reschk		AP2550			
Initial Calibration Stds		AP2552,AP2554,AP2555			
CCC		AP2552			
Internal Standard/PEM		AP2550			
ICV/I.BLK		AP2553			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL041710.D	21 Nov 2024 8:12	SY/MD	Ok
2	VSTDCCC010	VL041711.D	21 Nov 2024 8:50	SY/MD	Ok,M
3	VL1121ABL01	VL041712.D	21 Nov 2024 9:38	SY/MD	Ok
4	VL1121ABS01	VL041713.D	21 Nov 2024 10:16	SY/MD	Ok,M
5	P4633-01DL	VL041714.D	21 Nov 2024 14:12	SY/MD	Dilution
6	P4633-01DL2	VL041715.D	21 Nov 2024 15:06	SY/MD	Ok,NS
7	VSTDCCC010	VL041716.D	21 Nov 2024 15:46	SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QC Batch ID # VL110724

Review By	Mahesh Dadoda	Review On	11/9/2024 3:48:21 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/9/2024 10:50:42 AM		
SubDirectory	VL110724	HP Acquire Method	AIR-TO15	HP Processing Method	VL110724AIR.M

STD. NAME	STD REF.#
Tune/Reschk	AP2549
Initial Calibration Stds	AP2552,AP2554,AP2555
CCC	AP2552
Internal Standard/PEM	AP2549
ICV/I.BLK	AP2553
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	Sampleld	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VL041672.D	7 Nov 2024 8:58		SY/MD	Ok
2	VSTDIC0.5	VSTDIC0.5	VL041673.D	7 Nov 2024 9:36	Spiked Low	SY/MD	Not Ok
3	VSTDICCC010	VSTDICCC010	VL041674.D	7 Nov 2024 10:15		SY/MD	Ok,M
4	VSTDIC002	VSTDIC002	VL041675.D	7 Nov 2024 10:55		SY/MD	Ok,M
5	VSTDIC001	VSTDIC001	VL041676.D	7 Nov 2024 11:34		SY/MD	Ok,M
6	VSTDIC0.5	VSTDIC0.5	VL041677.D	7 Nov 2024 12:13		SY/MD	Ok,M
7	VSTDIC0.1	VSTDIC0.1	VL041678.D	7 Nov 2024 12:52		SY/MD	Ok,M
8	VSTDIC0.03	VSTDIC0.03	VL041679.D	7 Nov 2024 13:31		SY/MD	Ok,M
9	VSTDIC015	VSTDIC015	VL041680.D	7 Nov 2024 14:12		SY/MD	Ok,M
10	VSTDICV010	ICVVL110724	VL041681.D	7 Nov 2024 14:51		SY/MD	Ok,M
11	VL1107ABL01	VL1107ABL01	VL041682.D	7 Nov 2024 17:44		SY/MD	Ok
12	VL1107ABS01	VL1107ABS01	VL041683.D	7 Nov 2024 18:24		SY/MD	Ok,M
13	VIBLK	VIBLK	VL041684.D	7 Nov 2024 19:04		SY/MD	Ok
14	P4696-02	SV1	VL041685.D	7 Nov 2024 19:44		SY/MD	Ok,M
15	P4696-02DL	SV1DL	VL041686.D	7 Nov 2024 20:24	Not Required	SY/MD	Not Ok
16	VIBLK	VIBLK	VL041687.D	7 Nov 2024 21:03		SY/MD	Ok
17	P4696-01	IA1	VL041688.D	7 Nov 2024 21:44		SY/MD	Ok,M
18	P4696-01DUP	IA1DUP	VL041689.D	7 Nov 2024 22:24	DUP	SY/MD	Ok,M

Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QC Batch ID # VL110724

Review By	Mahesh Dadoda	Review On	11/9/2024 3:48:21 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/9/2024 10:50:42 AM		
SubDirectory	VL110724	HP Acquire Method	AIR-TO15	HP Processing Method	VL110724AIR.M
STD. NAME		STD REF.#			
Tune/Reschk		AP2549			
Initial Calibration Stds		AP2552,AP2554,AP2555			
CCC		AP2552			
Internal Standard/PEM		AP2549			
ICV/I.BLK		AP2553			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

19	P4696-01DL	IA1DL	VL041690.D	7 Nov 2024 23:03	Not Required	SY/MD	Not Ok
20	QC102124 CAN 10311	QC102124 CAN 10311	VL041691.D	7 Nov 2024 23:42		SY/MD	Ok
21	CAN 10268	CAN 10268	VL041692.D	8 Nov 2024 00:21		SY/MD	Ok
22	CAN 10297	CAN 10297	VL041693.D	8 Nov 2024 1:00		SY/MD	Ok
23	CAN 10154	CAN 10154	VL041694.D	8 Nov 2024 1:39		SY/MD	Ok
24	VSTDCCC010	VSTDCCC010EC	VL041695.D	8 Nov 2024 2:18		SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QC Batch ID # VL112024

Review By	Mahesh Dadoda	Review On	11/21/2024 3:23:36 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/21/2024 3:24:29 PM		
SubDirectory	VL112024	HP Acquire Method	AIR-TO15	HP Processing Method	VL110724AIR.M
STD. NAME		STD REF.#			
Tune/Reschk	AP2550				
Initial Calibration Stds	AP2552,AP2554,AP2555				
CCC	AP2552				
Internal Standard/PEM	AP2550				
ICV/I.BLK	AP2553				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VL041696.D	20 Nov 2024 7:31		SY/MD	Ok
2	VSTDCCC010	VSTDCCC010	VL041697.D	20 Nov 2024 8:09		SY/MD	Ok,M
3	VL1120ABL01	VL1120ABL01	VL041698.D	20 Nov 2024 12:36		SY/MD	Ok
4	VL1120ABS01	VL1120ABS01	VL041699.D	20 Nov 2024 13:15		SY/MD	Ok,M
5	VIBLK	VIBLK	VL041700.D	20 Nov 2024 13:53		SY/MD	Ok
6	P4633-01	E070-1100	VL041701.D	20 Nov 2024 15:54	Need 2X	SY/MD	Dilution
7	P4633-01	E070-1100	VL041702.D	20 Nov 2024 16:34	Need further dilution, rerun not match	SY/MD	Not Ok
8	P4633-01DL	E070-1100DL	VL041703.D	20 Nov 2024 17:13	rerun not match	SY/MD	Not Ok
9	VIBLK	VIBLK	VL041704.D	20 Nov 2024 17:53		SY/MD	Ok
10	P4911-02	IA1	VL041705.D	20 Nov 2024 18:35		SY/MD	Ok,M
11	P4911-02DUP	IA1DUP	VL041706.D	20 Nov 2024 19:15	DUP	SY/MD	Ok,M
12	P4911-01	SV1	VL041707.D	20 Nov 2024 19:54		SY/MD	Ok,M
13	P4911-01DL	SV1DL	VL041708.D	20 Nov 2024 20:33	not required	SY/MD	Not Ok
14	VSTDCCC010	VSTDCCC010EC	VL041709.D	21 Nov 2024 7:29		SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QC Batch ID # VL112124

Review By	Mahesh Dadoda	Review On	11/22/2024 3:32:35 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/22/2024 3:35:01 PM		
SubDirectory	VL112124	HP Acquire Method	AIR-TO15	HP Processing Method	VL110724AIR.M

STD. NAME	STD REF.#
Tune/Reschk	AP2550
Initial Calibration Stds	AP2552,AP2554,AP2555
CCC	AP2552
Internal Standard/PEM	AP2550
ICV/I.BLK	AP2553
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VL041710.D	21 Nov 2024 8:12		SY/MD	Ok
2	VSTDCCC010	VSTDCCC010	VL041711.D	21 Nov 2024 8:50		SY/MD	Ok,M
3	VL1121ABL01	VL1121ABL01	VL041712.D	21 Nov 2024 9:38		SY/MD	Ok
4	VL1121ABS01	VL1121ABS01	VL041713.D	21 Nov 2024 10:16		SY/MD	Ok,M
5	P4633-01DL	E070-1100DL	VL041714.D	21 Nov 2024 14:12	Need 4X	SY/MD	Dilution
6	P4633-01DL2	E070-1100DL2	VL041715.D	21 Nov 2024 15:06		SY/MD	Ok,NS
7	VSTDCCC010	VSTDCCC010EC	VL041716.D	21 Nov 2024 15:46		SY/MD	Ok,M

M : Manual Integration

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
 Data File : VL041674.D
 Acq On : 7 Nov 2024 10:15
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Quant Time: Nov 08 00:09:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Nov 08 00:07:44 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.188	49	1170802	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.651	114	3260349	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	3837595	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.773	95	2380541	8.388	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.900%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.726	85	2208753	10.438	ppbv	100
3) Chlorodifluoromethane	2.671	51	1393427	9.135	ppbv	100
4) Chloromethane	2.809	50	760160	9.408	ppbv	100
5) Vinyl Chloride	2.915	62	732442	10.005	ppbv	100
6) Bromomethane	3.115	94	371242	9.628	ppbv	100
7) Chloroethane	3.192	64	260602	9.824	ppbv	100
8) Dichlorotetrafluoroethane	2.851	85	1728631	9.151	ppbv	100
9) Propene	2.690	41	619994	9.327	ppbv	100
10) Heptane	7.577	43	1534950	10.305	ppbv	100
11) Trichlorofluoromethane	3.555	101	1732857	9.401	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.060	101	1257722	9.388	ppbv	100
13) Ethanol	3.246	45	28737	6.950	ppbv	90
14) Bromoethene	3.362	108	504428	9.366	ppbv	100
15) Acetone	3.462	43	1285781	8.923	ppbv	100
16) 1,3-Butadiene	2.980	39	734062	10.160	ppbv	100
17) tert-Butyl alcohol	3.873	59	1215299	9.611	ppbv	100
18) 1,1-Dichloroethene	3.873	96	557278	9.484	ppbv	100
19) Isopropyl Alcohol	3.571	45	646252	9.266	ppbv	100
20) Methylene Chloride	3.928	84	468549	8.837	ppbv	100
21) Allyl Chloride	3.992	41	888517	9.979	ppbv	100
22) trans-1,2-Dichloroethene	4.442	96	566347	9.660	ppbv	100
23) Vinyl Acetate	4.623	43	602236	8.886	ppbv	100
24) 1,1-Dichloroethane	4.558	63	1223224	9.380	ppbv	100
25) Ethyl Acetate	5.201	43	2883606	9.668	ppbv	100
26) Hexane	5.208	57	1130877	9.869	ppbv	100
27) Carbon Disulfide	4.118	76	1374259	10.675	ppbv	100
28) Methyl tert-Butyl Ether	4.581	73	670928	9.092	ppbv	100
29) Chloroform	5.269	83	1779347	9.407	ppbv	100
30) Cyclohexane	6.597	84	965390	10.487	ppbv	100
31) cis-1,2-Dichloroethene	5.076	61	1095423	9.937	ppbv	100
32) 1,1,1-Trichloroethane	5.999	97	1742198	10.047	ppbv	100
34) 2-Butanone	4.780	43	1559421	9.606	ppbv	100
35) Carbon Tetrachloride	6.491	117	1838964	10.670	ppbv	100
36) Benzene	6.365	78	2404772	9.955	ppbv	100
37) 1,2-Dichloroethane	5.803	62	1331275	9.768	ppbv	100
38) Trichloroethene	7.288	130	986911	10.594	ppbv	100
39) 1,2-Dichloropropane	7.073	63	927055	9.711	ppbv	100
40) 1,4-Dioxane	7.282	88	361524	10.691	ppbv	100
41) Tetrahydrofuran	5.552	42	961227	10.379	ppbv	100
42) Bromodichloromethane	7.246	83	1922752	10.153	ppbv	100
43) Methyl Methacrylate	7.471	69	939057	11.071	ppbv	100
44) 2,2,4-Trimethylpentane	7.323	57	4079001	9.968	ppbv	100
45) t-1,3-Dichloropropene	8.706	75	920537	12.141	ppbv	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
 Data File : VL041674.D
 Acq On : 7 Nov 2024 10:15
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Quant Time: Nov 08 00:09:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Nov 08 00:07:44 2024
 Response via : Initial Calibration

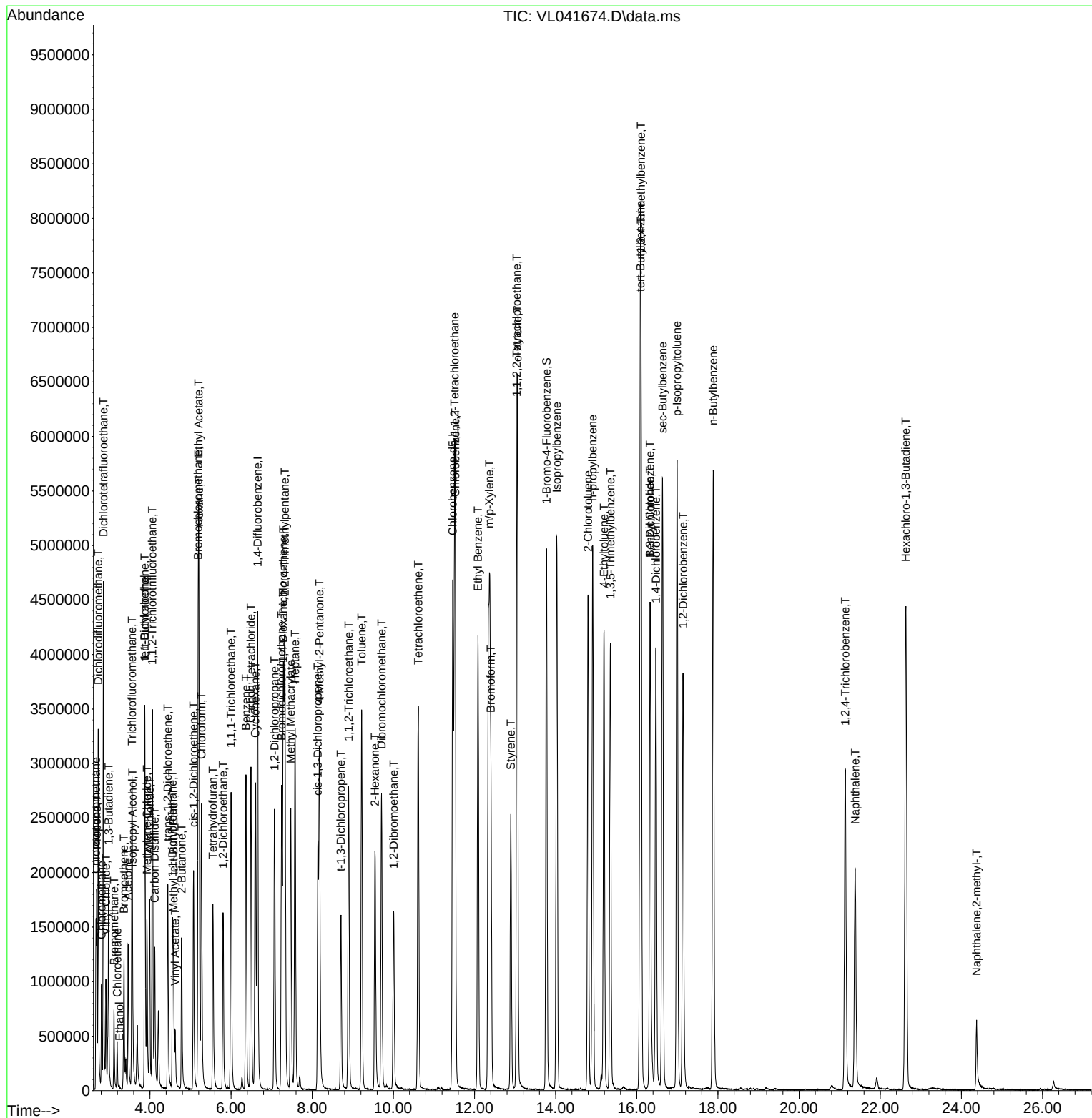
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.140	75	1257121	11.408	ppbv	100
47) 1,1,2-Trichloroethane	8.896	97	1003150	9.746	ppbv	100
48) Dibromochloromethane	9.709	129	1679053	10.690	ppbv	100
49) Bromoform	12.404	173	1497222	11.174	ppbv	100
50) 4-Methyl-2-Pentanone	8.179	43	2628657	10.544	ppbv	100
51) 2-Hexanone	9.548	43	2043690	11.281	ppbv	100
52) Tetrachloroethene	10.616	164	899580	10.893	ppbv	100
53) Toluene	9.217	91	2787590	10.973	ppbv	100
54) 1,2-Dibromoethane	10.008	107	1353490	11.262	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.507	131	1266326	7.924	ppbv	100
57) Chlorobenzene	11.526	112	2237328	7.821	ppbv	100
58) Ethyl Benzene	12.085	91	3795372	8.928	ppbv	100
59) m/p-Xylene	12.368	91	4050379	10.651	ppbv #	58
60) o-Xylene	13.056	91	3148609	8.672	ppbv	100
61) Styrene	12.896	104	1515741	10.115	ppbv	100
62) Isopropylbenzene	14.027	105	4647017	8.291	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.043	83	2194609	8.302	ppbv	100
64) n-propylbenzene	14.912	120	1256955	8.577	ppbv	100
65) tert-Butylbenzene	16.088	119	4162243	8.263	ppbv	100
66) Benzyl Chloride	16.326	91	359794	9.917	ppbv	100
67) sec-Butylbenzene	16.635	105	5857608	8.251	ppbv	100
69) p-Isopropyltoluene	16.992	119	4920309	8.569	ppbv	100
70) n-Butylbenzene	17.882	91	5021145	8.531	ppbv	100
71) 2-Chlorotoluene	14.796	91	3508288	8.656	ppbv	100
72) 4-Ethyltoluene	15.191	105	3763123	8.925	ppbv	100
73) 1,3,5-Trimethylbenzene	15.349	105	3217635	8.703	ppbv	100
74) 1,2,4-Trimethylbenzene	16.104	105	3563067	8.285	ppbv	100
75) 1,3-Dichlorobenzene	16.326	146	2192903	8.255	ppbv	100
76) 1,4-Dichlorobenzene	16.471	146	2144446	8.216	ppbv	100
77) 1,2-Dichlorobenzene	17.140	146	2138612	8.107	ppbv	100
78) Hexachloro-1,3-Butadiene	22.631	225	1409325	6.753	ppbv	100
79) Naphthalene	21.384	128	2767333	10.463	ppbv	100
80) Naphthalene,2-methyl-	24.374	142	466005	9.497	ppbv	100
81) 1,2,4-Trichlorobenzene	21.136	180	1415249	8.603	ppbv	100

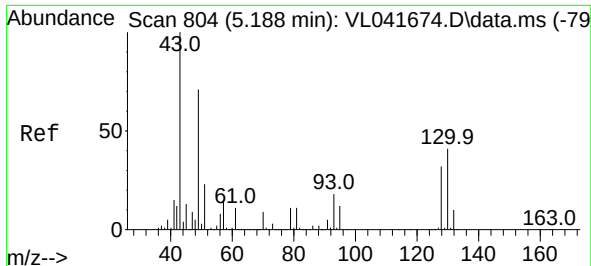
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
Data File : VL041674.D
Acq On : 7 Nov 2024 10:15
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Quant Time: Nov 08 00:09:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Fri Nov 08 00:07:44 2024
Response via : Initial Calibration

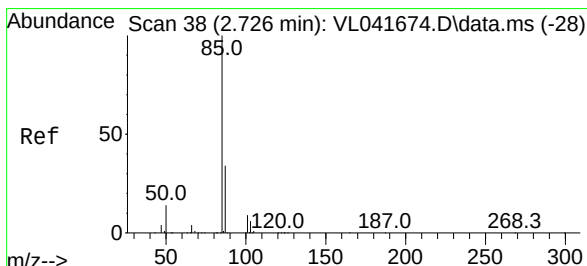
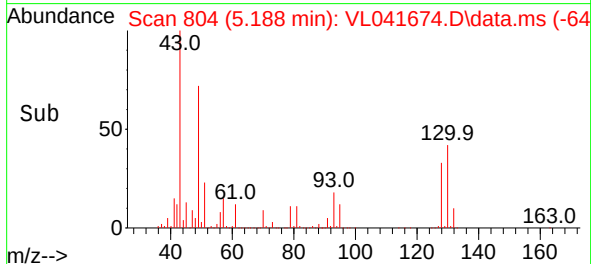
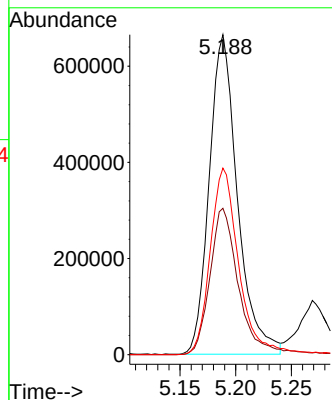
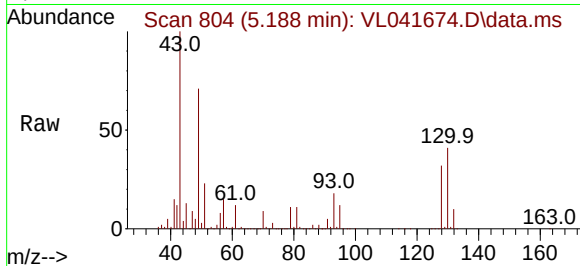




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.188 min Scan# 804
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

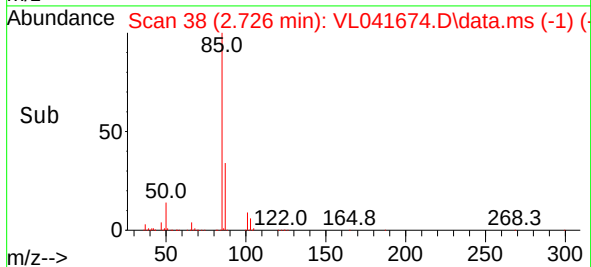
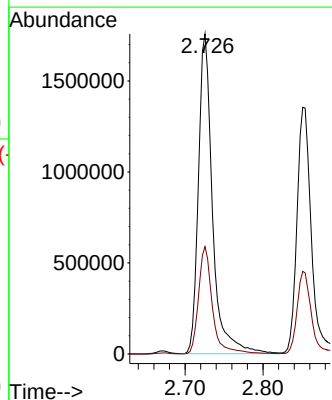
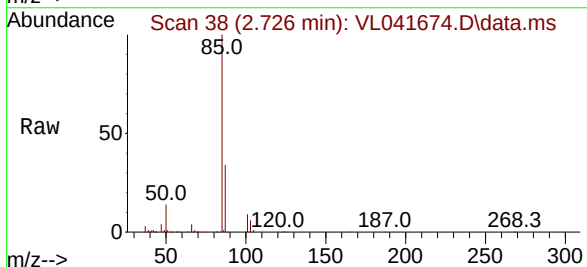
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

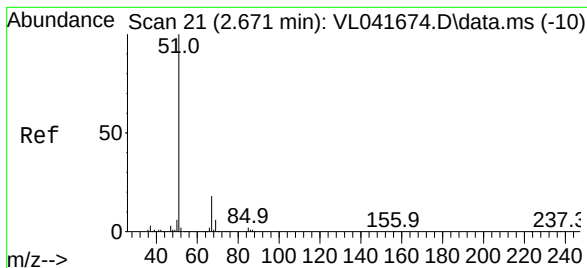
Tgt Ion: 49 Resp: 1170802
Ion Ratio Lower Upper
49 100
128 47.5 23.8 71.2
130 60.3 30.1 90.5



#2
Dichlorodifluoromethane
Concen: 10.438 ppbv
RT: 2.726 min Scan# 38
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

Tgt Ion: 85 Resp: 2208753
Ion Ratio Lower Upper
85 100
87 33.5 26.8 40.2

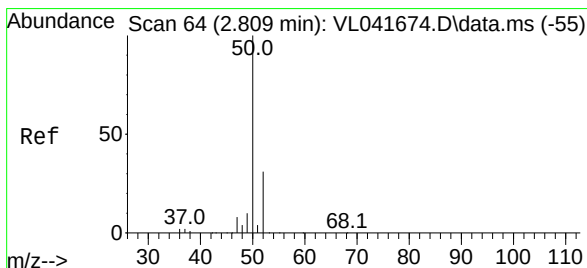
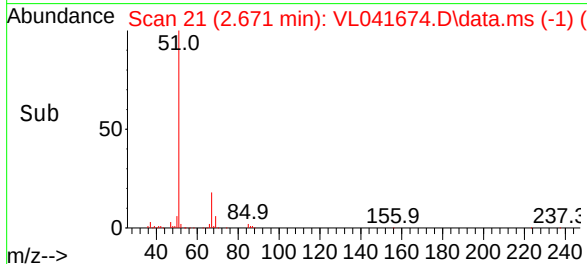
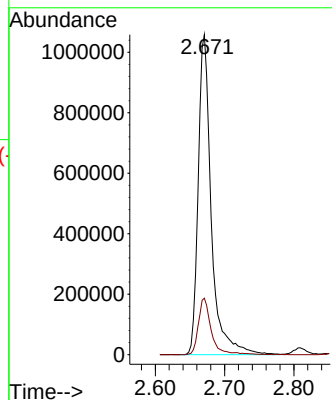
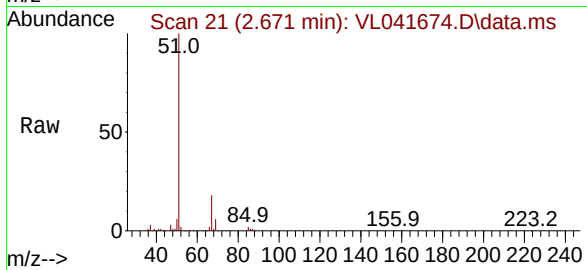




#3
Chlorodifluoromethane
Concen: 9.135 ppbv
RT: 2.671 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

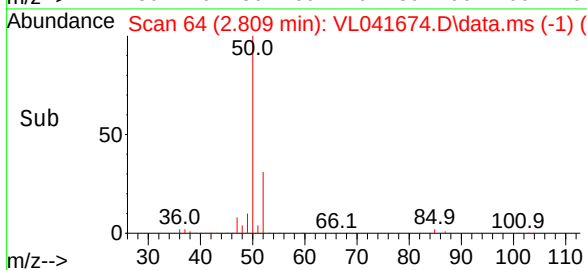
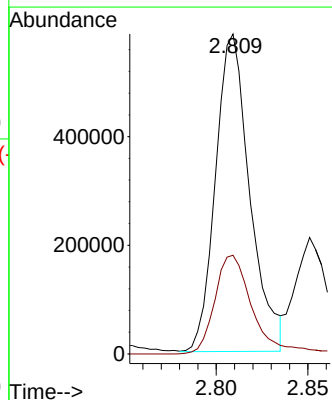
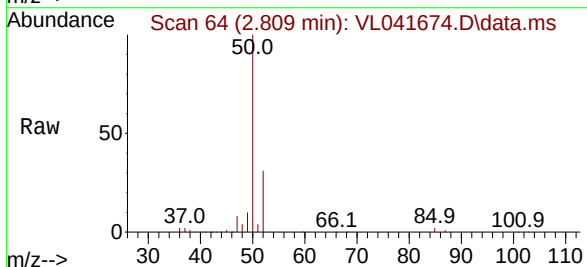
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

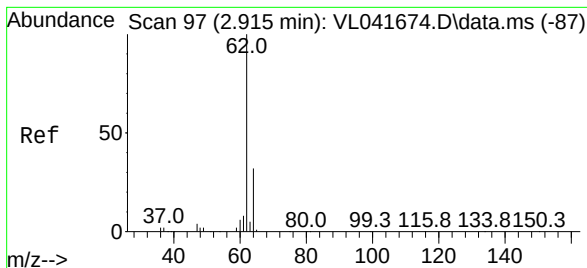
Tgt Ion: 51 Resp: 1393427
Ion Ratio Lower Upper
51 100
67 17.4 13.9 20.9



#4
Chloromethane
Concen: 9.408 ppbv
RT: 2.809 min Scan# 64
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

Tgt Ion: 50 Resp: 760160
Ion Ratio Lower Upper
50 100
52 31.1 24.9 37.3

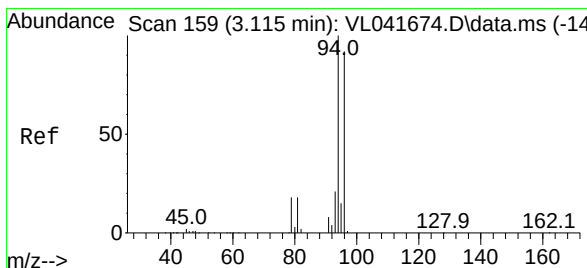
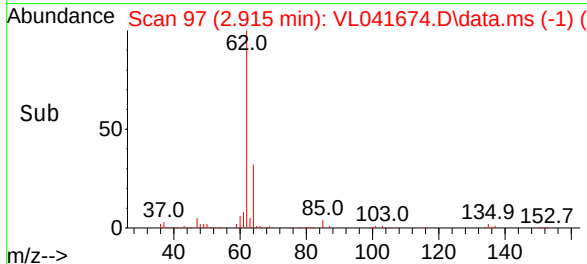
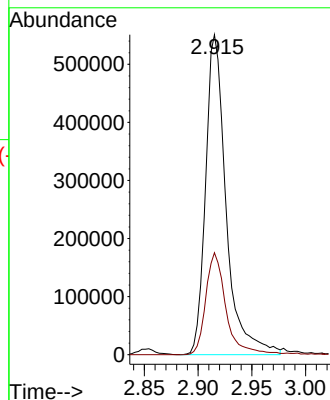
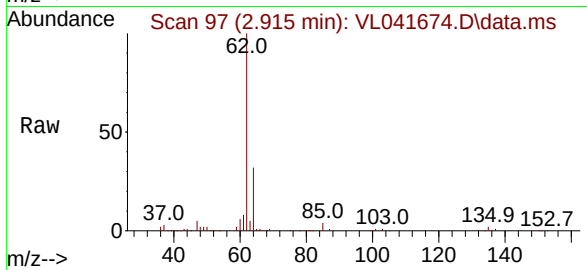




#5
 Vinyl Chloride
 Concen: 10.005 ppbv
 RT: 2.915 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VL041674.D
 Acq: 7 Nov 2024 10:15

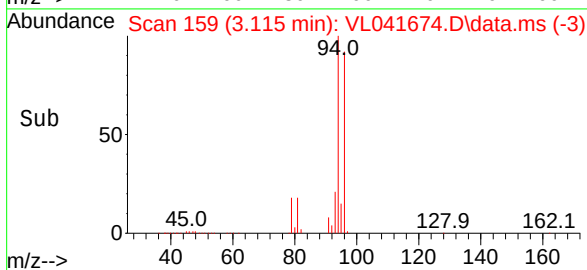
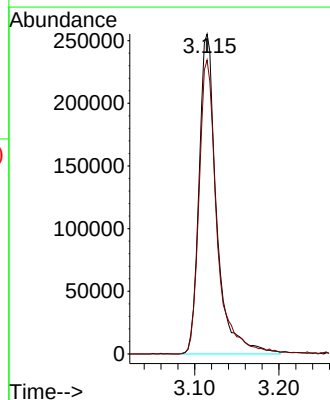
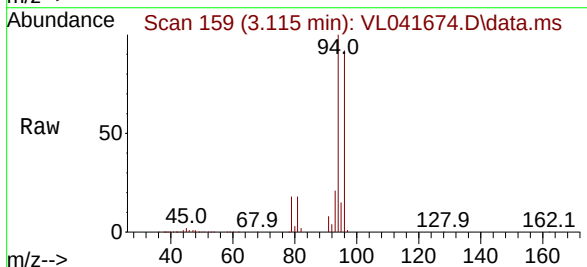
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

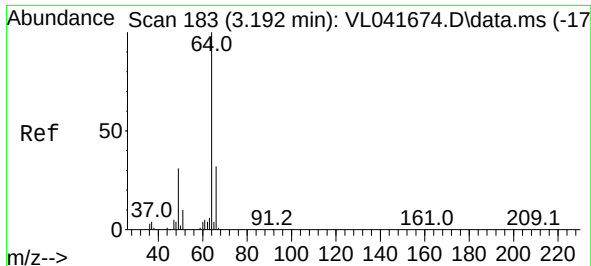
Tgt Ion: 62 Resp: 732442
 Ion Ratio Lower Upper
 62 100
 64 31.8 25.4 38.2



#6
 Bromomethane
 Concen: 9.628 ppbv
 RT: 3.115 min Scan# 159
 Delta R.T. 0.000 min
 Lab File: VL041674.D
 Acq: 7 Nov 2024 10:15

Tgt Ion: 94 Resp: 371242
 Ion Ratio Lower Upper
 94 100
 96 91.8 73.4 110.2

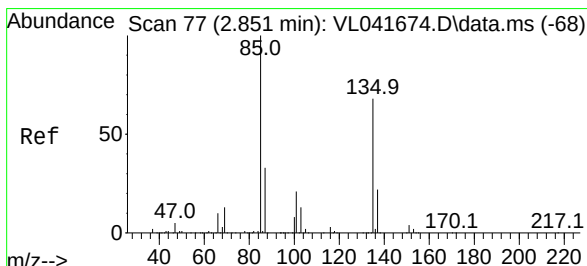
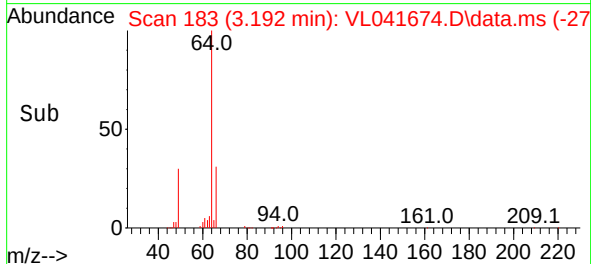
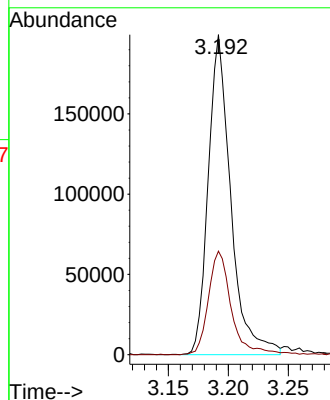
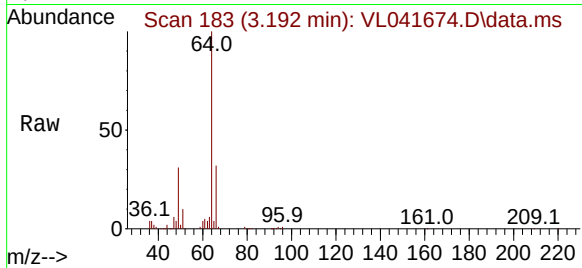




#7
Chloroethane
Concen: 9.824 ppbv
RT: 3.192 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

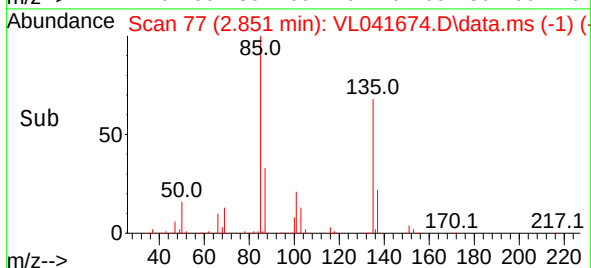
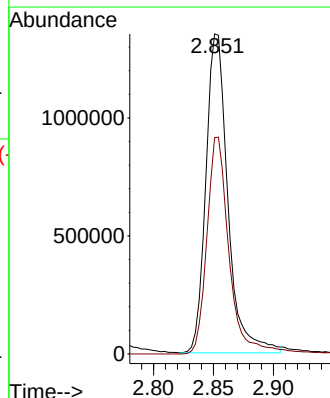
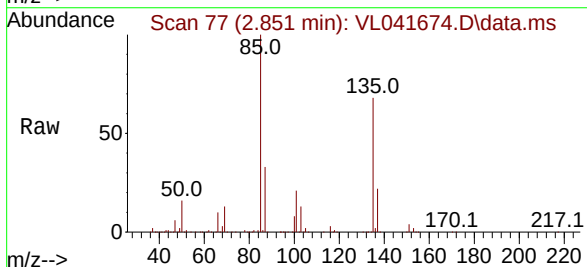
Instrument :
MSVOA_1
ClientSampleId :
VSTDICCC010

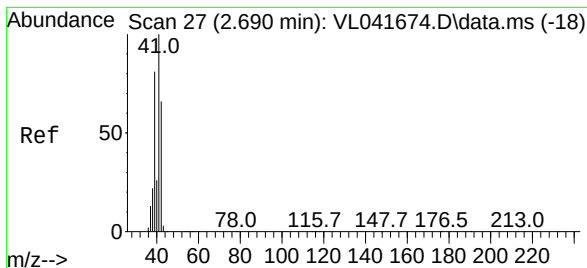
Tgt Ion: 64 Resp: 260602
Ion Ratio Lower Upper
64 100
66 32.4 25.9 38.9



#8
Dichlorotetrafluoroethane
Concen: 9.151 ppbv
RT: 2.851 min Scan# 77
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

Tgt Ion: 85 Resp: 1728631
Ion Ratio Lower Upper
85 100
135 69.4 55.5 83.3





#9

Propene

Concen: 9.327 ppbv

RT: 2.690 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL041674.D

Acq: 7 Nov 2024 10:15

Instrument :

MSVOA_L

ClientSampleId :

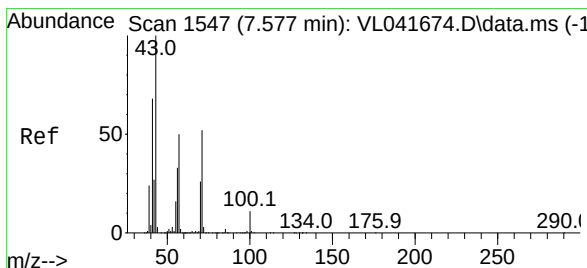
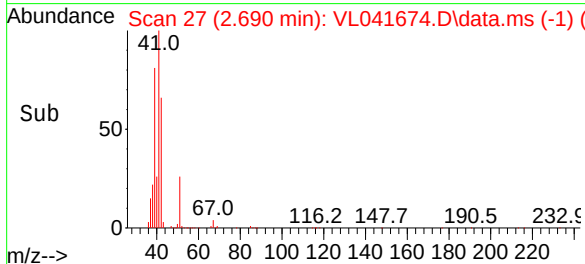
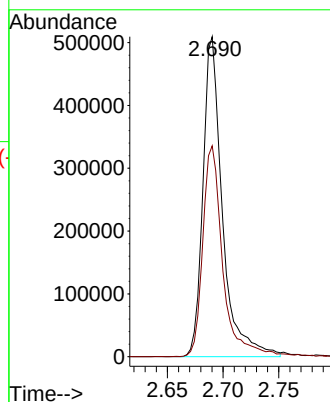
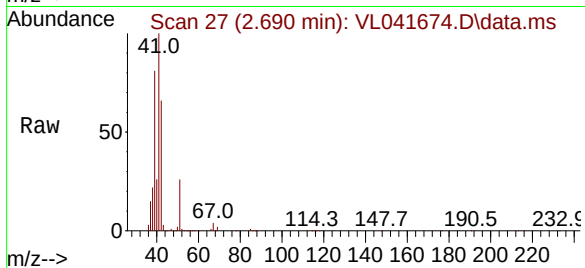
VSTDICCC010

Tgt Ion: 41 Resp: 619994

Ion Ratio Lower Upper

41 100

42 68.7 55.0 82.4



#10

Heptane

Concen: 10.305 ppbv

RT: 7.577 min Scan# 1547

Delta R.T. 0.000 min

Lab File: VL041674.D

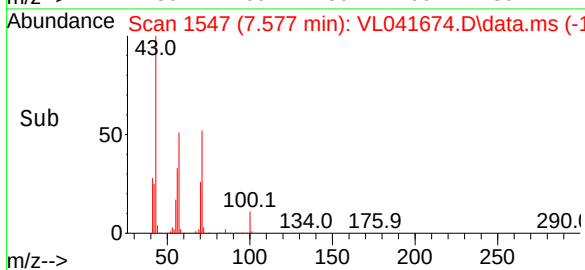
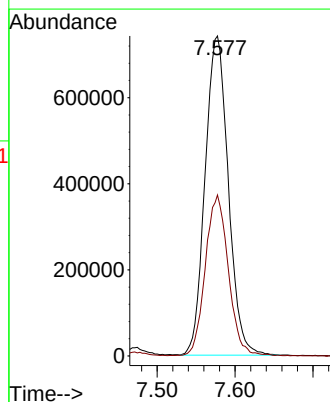
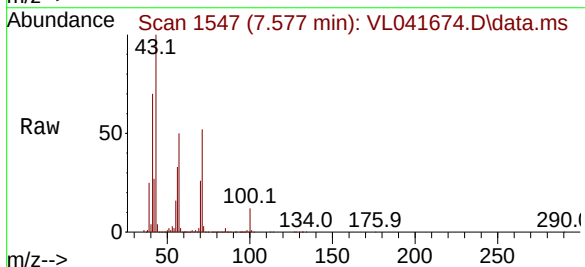
Acq: 7 Nov 2024 10:15

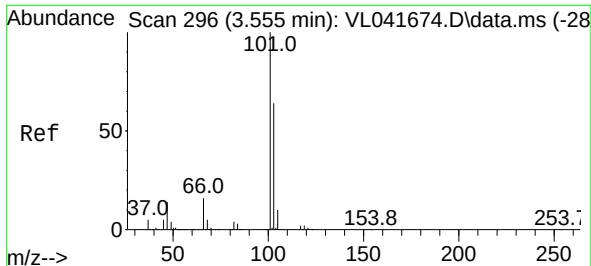
Tgt Ion: 43 Resp: 1534950

Ion Ratio Lower Upper

43 100

57 50.0 40.0 60.0





#11

Trichlorofluoromethane

Concen: 9.401 ppbv

RT: 3.555 min Scan# 296

Delta R.T. 0.000 min

Lab File: VL041674.D

Acq: 7 Nov 2024 10:15

Instrument :

MSVOA_L

ClientSampleId :

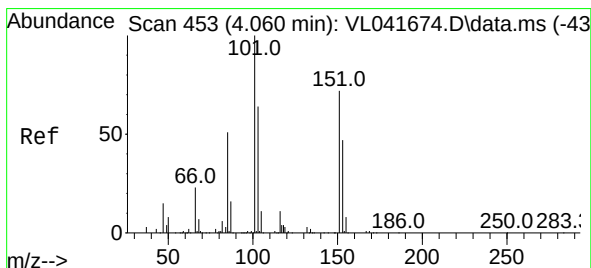
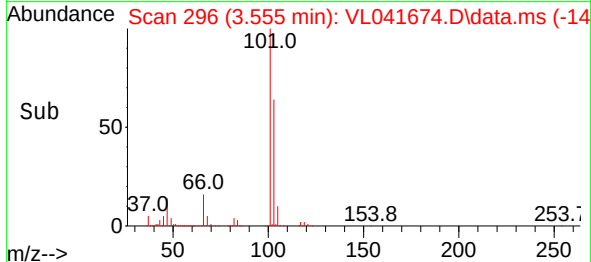
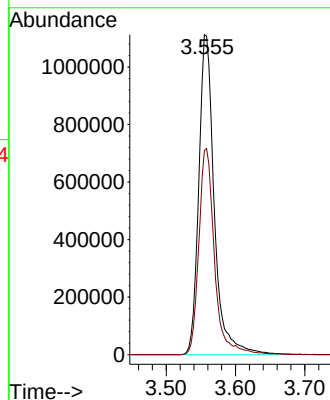
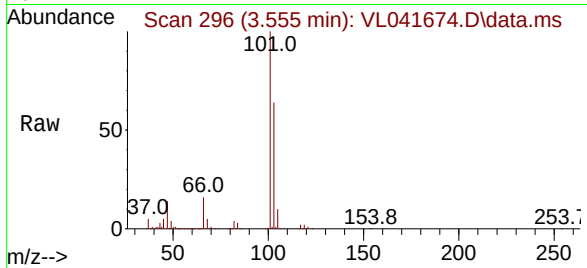
VSTDICCC010

Tgt Ion:101 Resp: 1732857

Ion Ratio Lower Upper

101 100

103 63.8 51.0 76.6



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.388 ppbv

RT: 4.060 min Scan# 453

Delta R.T. 0.000 min

Lab File: VL041674.D

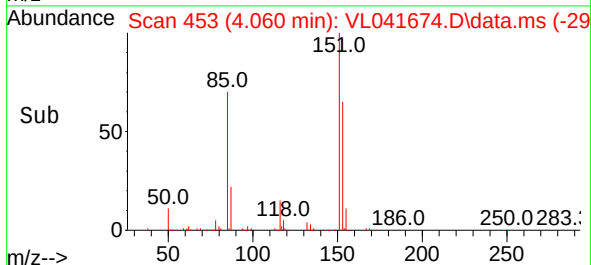
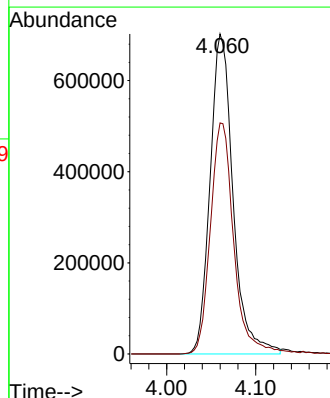
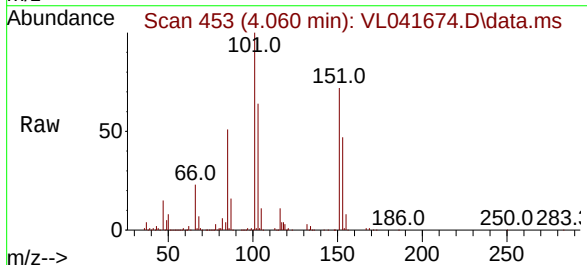
Acq: 7 Nov 2024 10:15

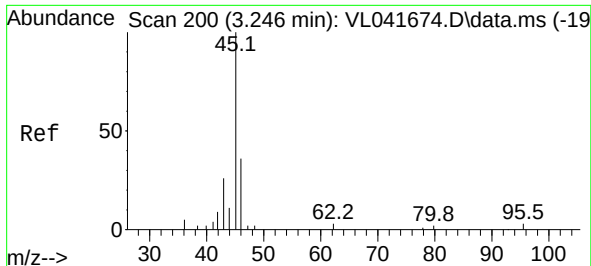
Tgt Ion:101 Resp: 1257722

Ion Ratio Lower Upper

101 100

151 73.9 59.1 88.7

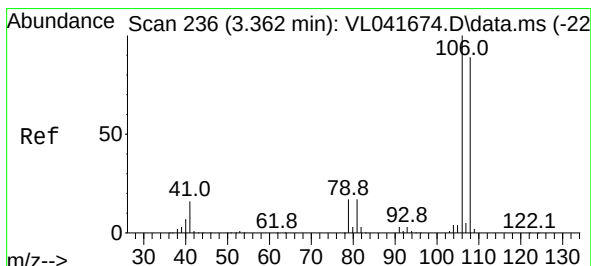
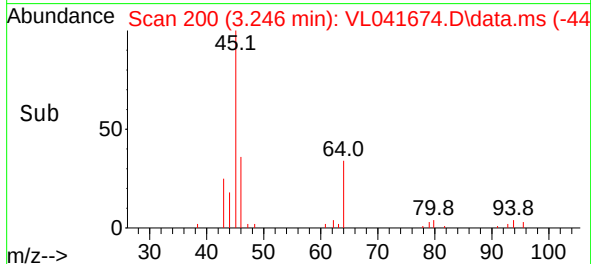
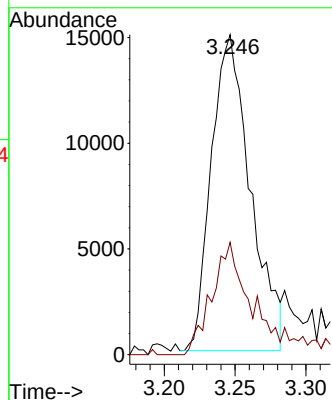
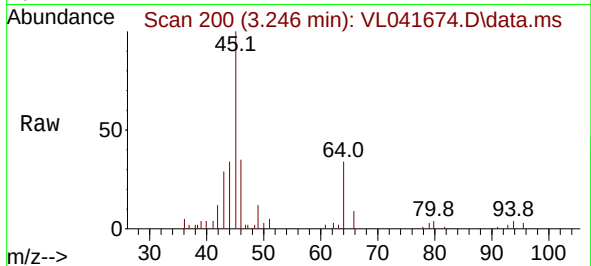




#13
Ethanol
Concen: 6.950 ppbv
RT: 3.246 min Scan# 200
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

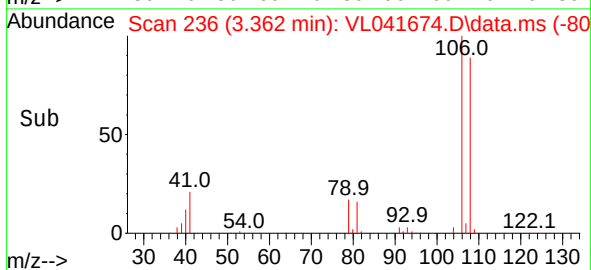
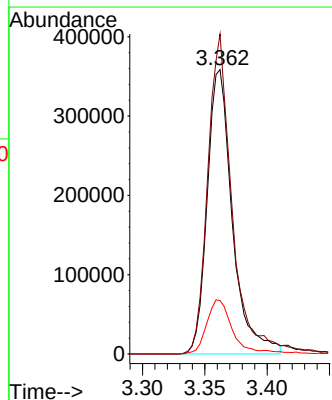
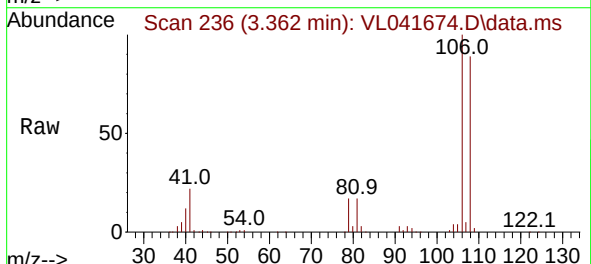
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

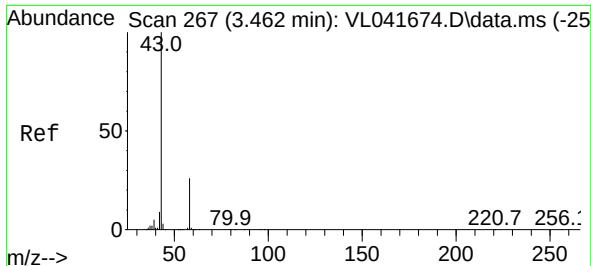
Tgt Ion: 45 Resp: 28737
Ion Ratio Lower Upper
45 100
46 40.5 13.8 55.2



#14
Bromoethene
Concen: 9.366 ppbv
RT: 3.362 min Scan# 236
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

Tgt Ion:108 Resp: 504428
Ion Ratio Lower Upper
108 100
106 110.8 88.6 133.0
79 19.5 15.6 23.4

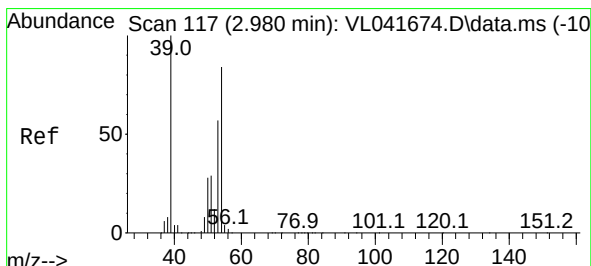
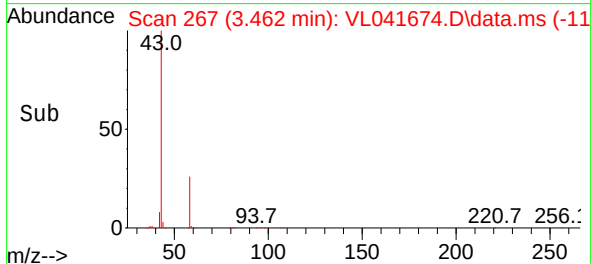
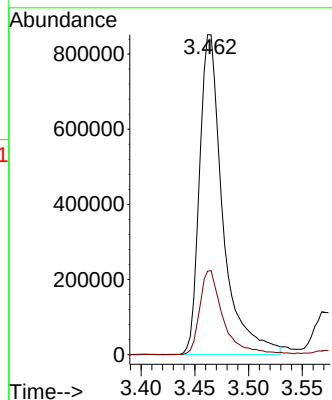
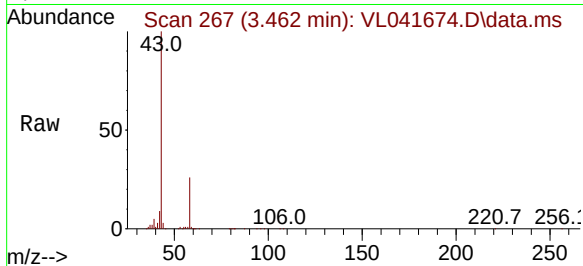




#15
Acetone
Concen: 8.923 ppbv
RT: 3.462 min Scan# 20
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

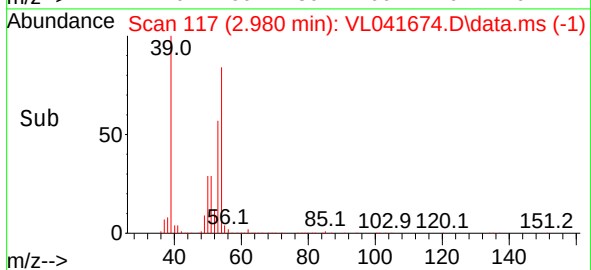
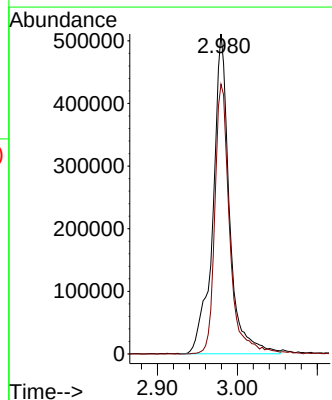
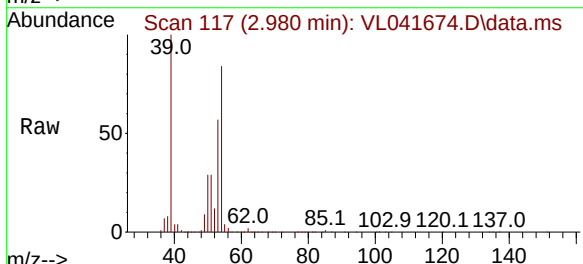
Instrument :
MSVOA_1
ClientSampleId :
VSTDICCC010

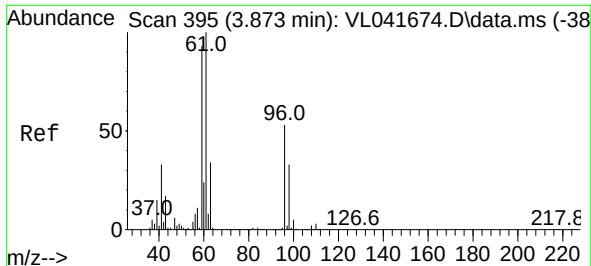
Tgt Ion: 43 Resp: 1285781
Ion Ratio Lower Upper
43 100
58 26.7 21.4 32.0



#16
1,3-Butadiene
Concen: 10.160 ppbv
RT: 2.980 min Scan# 117
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

Tgt Ion: 39 Resp: 734062
Ion Ratio Lower Upper
39 100
54 76.6 61.3 91.9





#17

tert-Butyl alcohol

Concen: 9.611 ppbv

RT: 3.873 min Scan# 395

Delta R.T. 0.000 min

Lab File: VL041674.D

Acq: 7 Nov 2024 10:15

Instrument :

MSVOA_1

ClientSampleId :

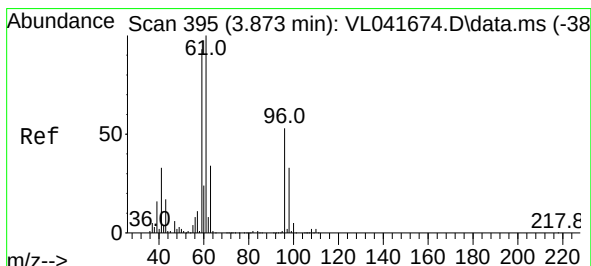
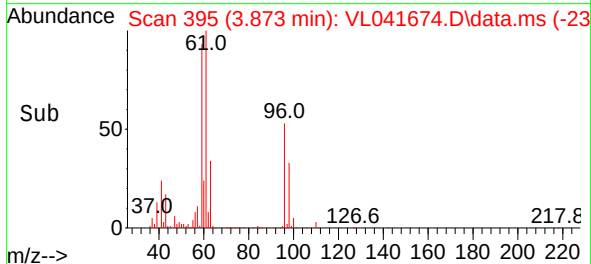
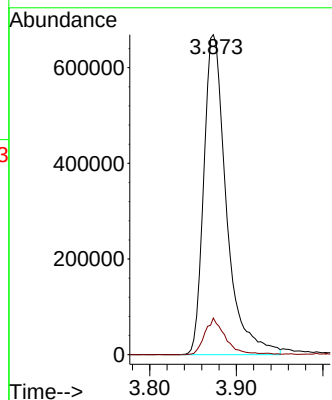
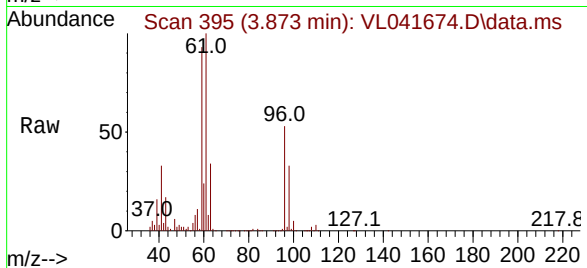
VSTDICCC010

Tgt Ion: 59 Resp: 1215299

Ion Ratio Lower Upper

59 100

57 10.6 8.5 12.7



#18

1,1-Dichloroethene

Concen: 9.484 ppbv

RT: 3.873 min Scan# 395

Delta R.T. 0.000 min

Lab File: VL041674.D

Acq: 7 Nov 2024 10:15

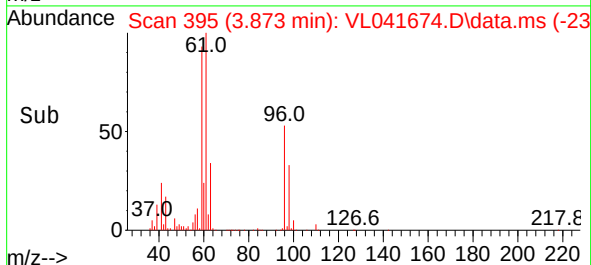
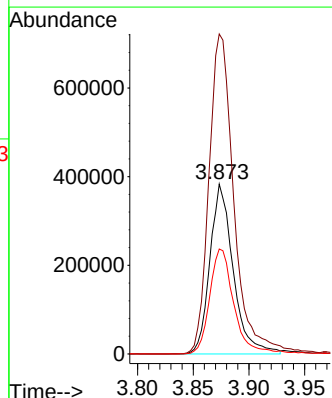
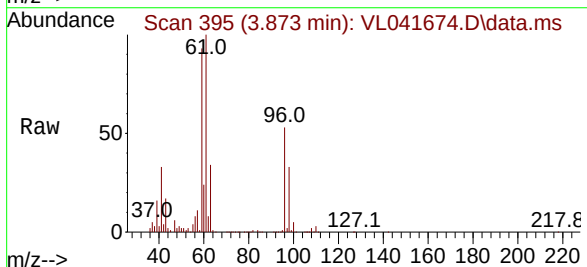
Tgt Ion: 96 Resp: 557278

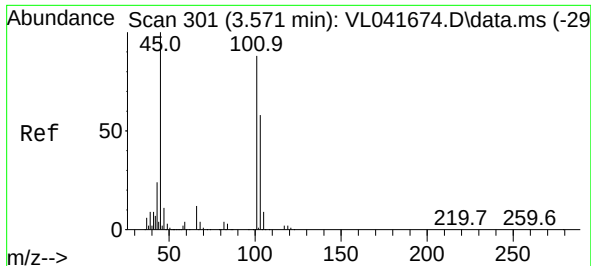
Ion Ratio Lower Upper

96 100

61 188.4 150.7 226.1

98 61.8 49.4 74.2





#19

Isopropyl Alcohol

Concen: 9.266 ppbv

RT: 3.571 min Scan# 301

Delta R.T. 0.000 min

Lab File: VL041674.D

Acq: 7 Nov 2024 10:15

Instrument :

MSVOA_L

ClientSampleId :

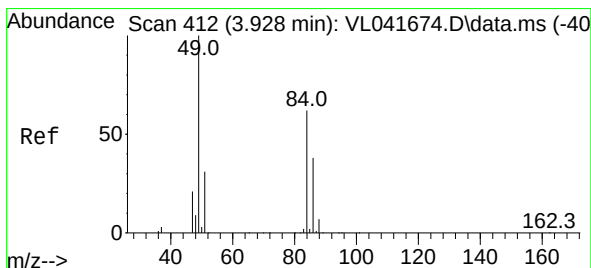
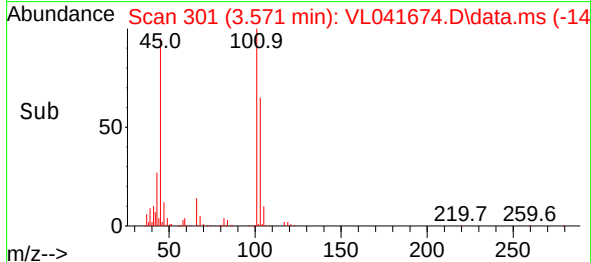
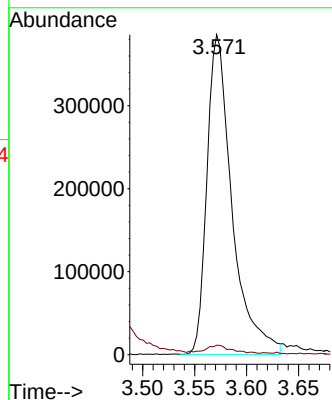
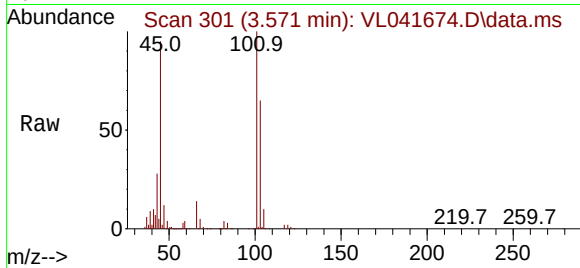
VSTDICCC010

Tgt Ion: 45 Resp: 646252

Ion Ratio Lower Upper

45 100

58 3.1 2.5 3.7



#20

Methylene Chloride

Concen: 8.837 ppbv

RT: 3.928 min Scan# 412

Delta R.T. 0.000 min

Lab File: VL041674.D

Acq: 7 Nov 2024 10:15

Tgt Ion: 84 Resp: 468549

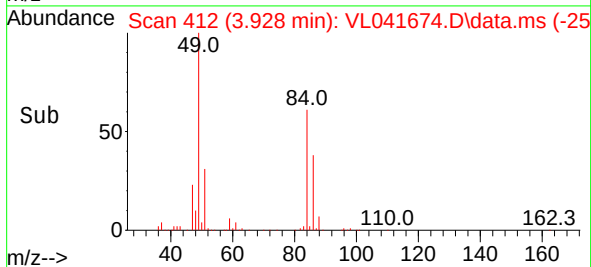
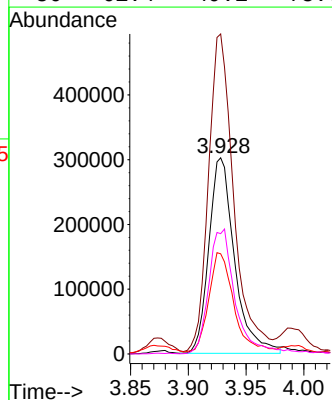
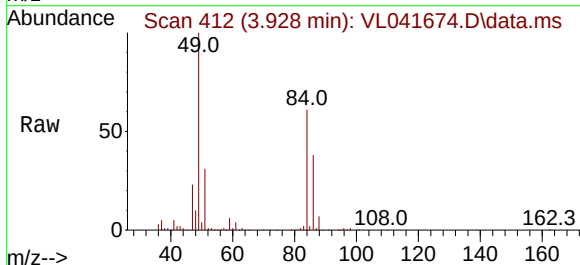
Ion Ratio Lower Upper

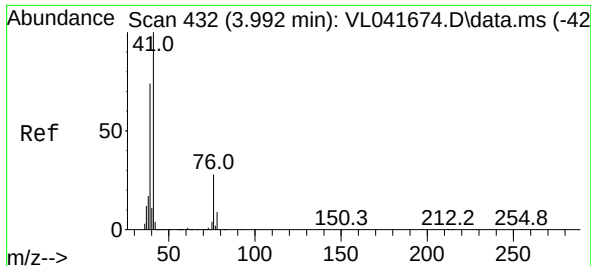
84 100

49 162.1 129.7 194.5

51 49.7 39.8 59.6

86 61.4 49.1 73.7

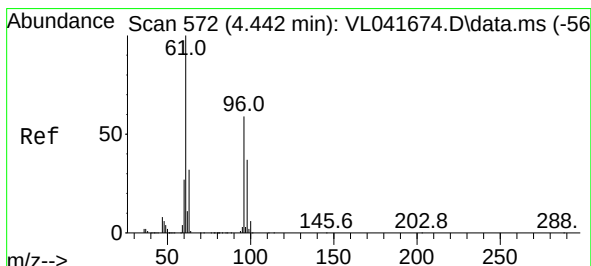
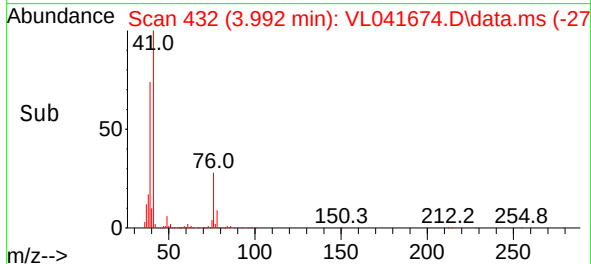
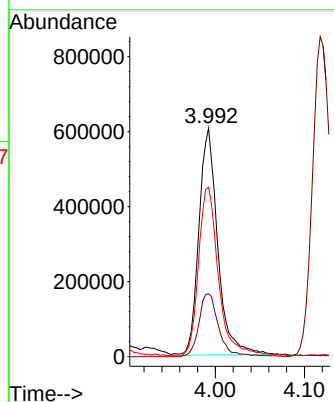
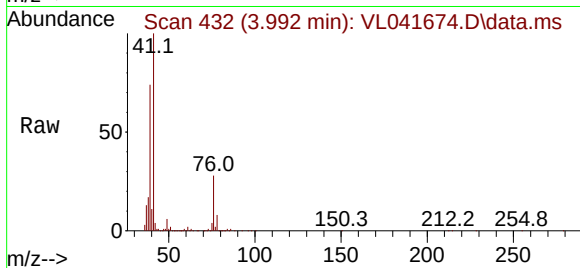




#21
 Allyl Chloride
 Concen: 9.979 ppbv
 RT: 3.992 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL041674.D
 Acq: 7 Nov 2024 10:15

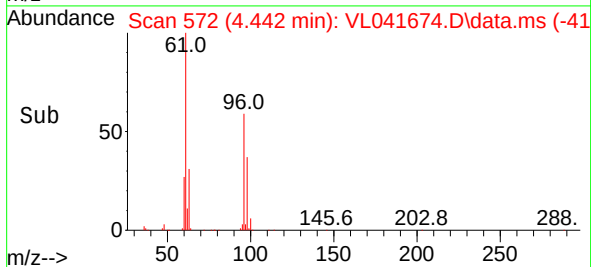
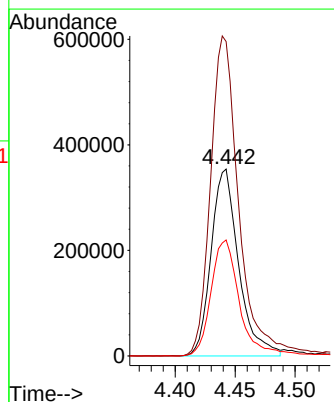
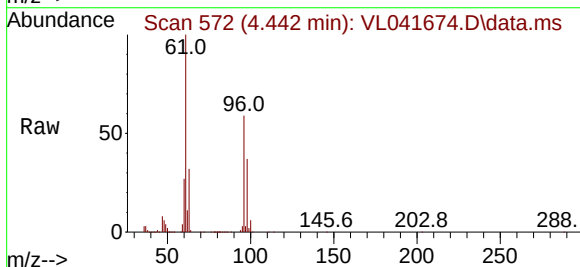
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

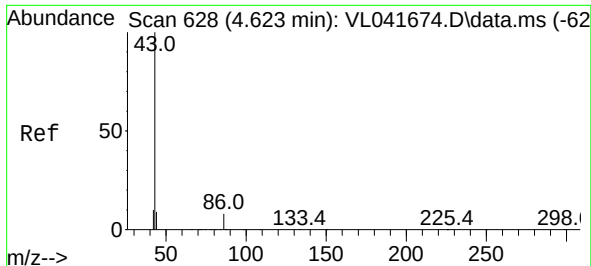
Tgt Ion: 41 Resp: 888517
 Ion Ratio Lower Upper
 41 100
 76 29.4 23.5 35.3
 39 78.7 63.0 94.4



#22
 trans-1,2-Dichloroethene
 Concen: 9.660 ppbv
 RT: 4.442 min Scan# 572
 Delta R.T. 0.000 min
 Lab File: VL041674.D
 Acq: 7 Nov 2024 10:15

Tgt Ion: 96 Resp: 566347
 Ion Ratio Lower Upper
 96 100
 61 168.1 134.5 201.7
 98 62.0 49.6 74.4





#23

Vinyl Acetate

Concen: 8.886 ppbv

RT: 4.623 min Scan# 61

Delta R.T. 0.000 min

Lab File: VL041674.D

Acq: 7 Nov 2024 10:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 43 Resp: 602236

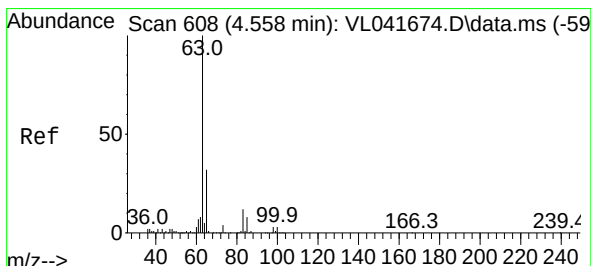
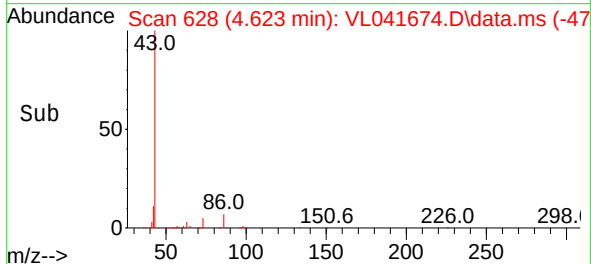
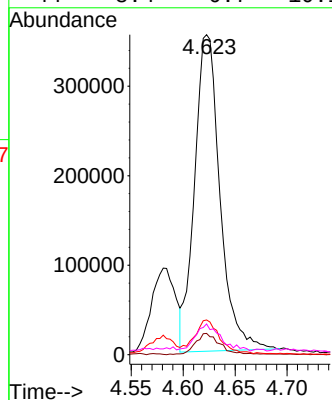
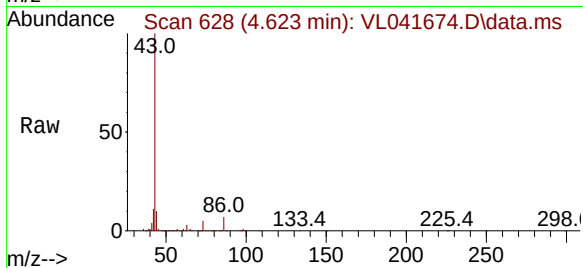
Ion Ratio Lower Upper

43 100

86 6.6 5.3 7.9

42 10.6 8.5 12.7

44 8.4 6.7 10.1



#24

1,1-Dichloroethane

Concen: 9.380 ppbv

RT: 4.558 min Scan# 608

Delta R.T. 0.000 min

Lab File: VL041674.D

Acq: 7 Nov 2024 10:15

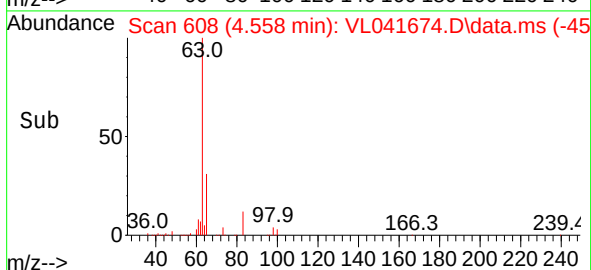
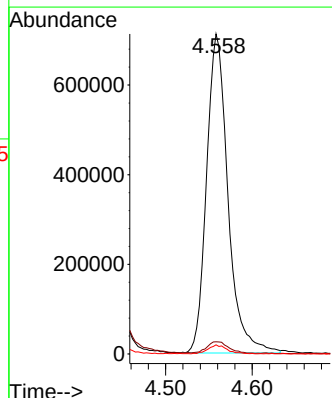
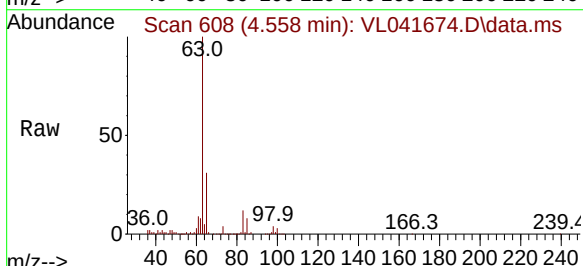
Tgt Ion: 63 Resp: 1223224

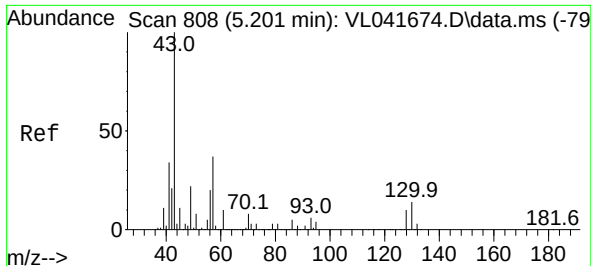
Ion Ratio Lower Upper

63 100

98 3.6 1.8 5.4

100 2.8 1.4 4.2





#25

Ethyl Acetate

Concen: 9.668 ppbv

RT: 5.201 min Scan# 808

Delta R.T. 0.000 min

Lab File: VL041674.D

Acq: 7 Nov 2024 10:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 43 Resp: 2883606

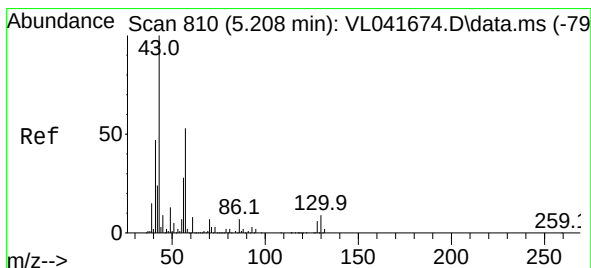
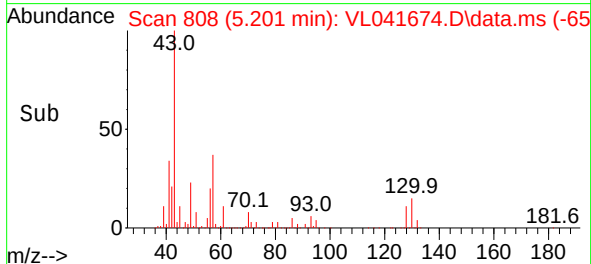
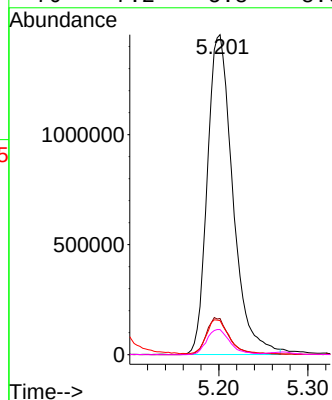
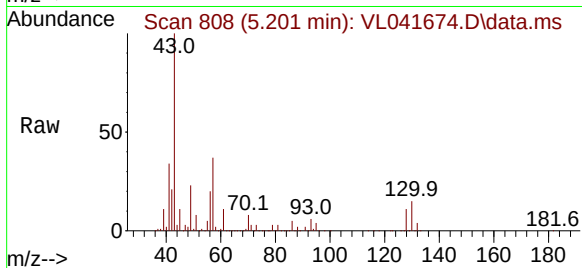
Ion Ratio Lower Upper

43 100

45 10.8 8.6 13.0

61 10.5 8.4 12.6

70 7.2 5.8 8.6



#26

Hexane

Concen: 9.869 ppbv

RT: 5.208 min Scan# 810

Delta R.T. 0.000 min

Lab File: VL041674.D

Acq: 7 Nov 2024 10:15

Tgt Ion: 57 Resp: 1130877

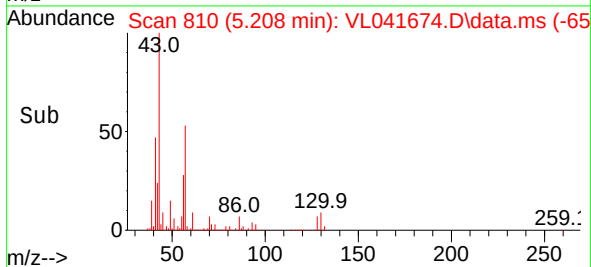
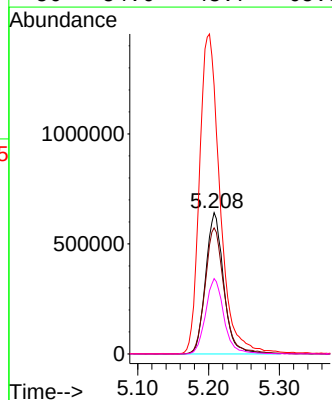
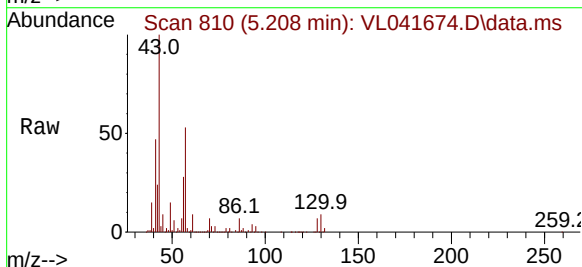
Ion Ratio Lower Upper

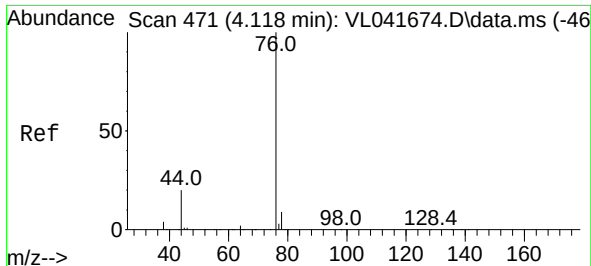
57 100

41 95.1 76.1 114.1

43 258.8 207.0 310.6

56 54.6 43.7 65.5





#27

Carbon Disulfide

Concen: 10.675 ppbv

RT: 4.118 min Scan# 471

Delta R.T. 0.000 min

Lab File: VL041674.D

Acq: 7 Nov 2024 10:15

Instrument :

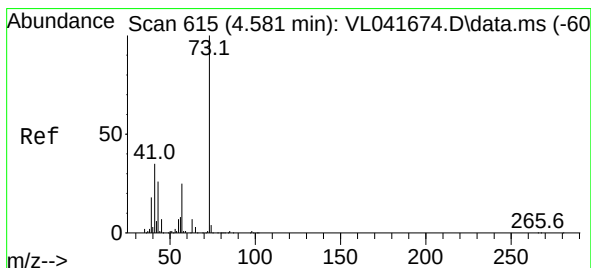
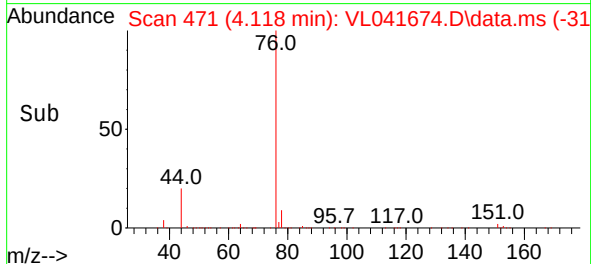
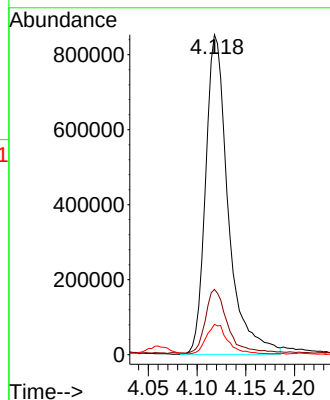
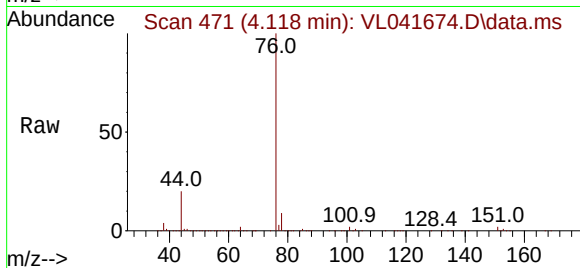
MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 76 Resp: 1374259

Ion	Ratio	Lower	Upper
76	100		
44	19.8	15.8	23.8
78	9.4	7.5	11.3



#28

Methyl tert-Butyl Ether

Concen: 9.092 ppbv

RT: 4.581 min Scan# 615

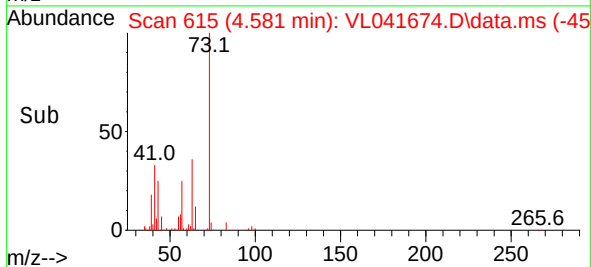
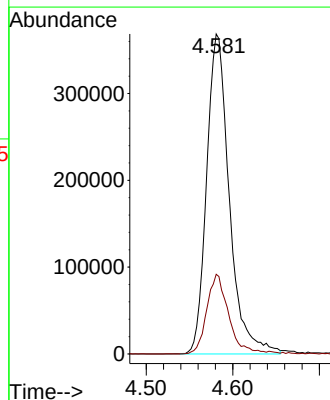
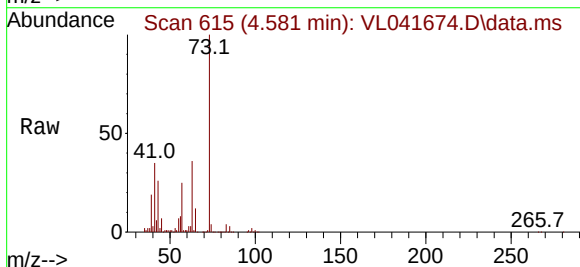
Delta R.T. 0.000 min

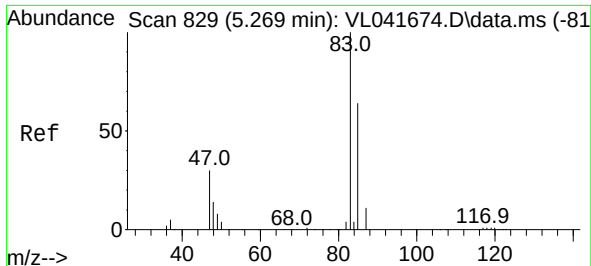
Lab File: VL041674.D

Acq: 7 Nov 2024 10:15

Tgt Ion: 73 Resp: 670928

Ion	Ratio	Lower	Upper
73	100		
57	24.5	19.6	29.4





#29

Chloroform

Concen: 9.407 ppbv

RT: 5.269 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL041674.D

Acq: 7 Nov 2024 10:15

Instrument :

MSVOA_L

ClientSampleId :

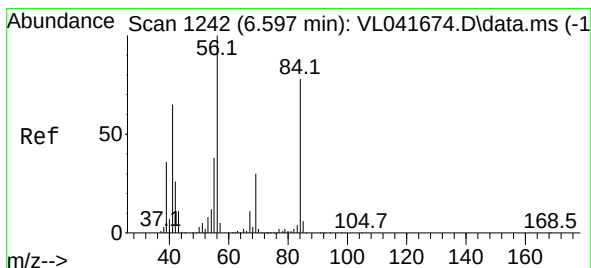
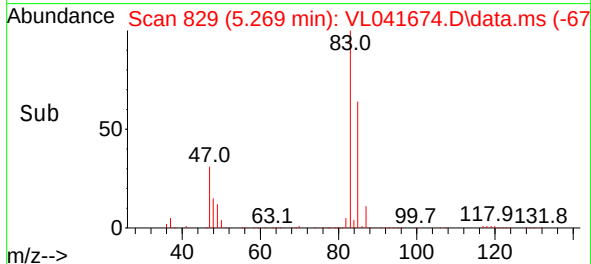
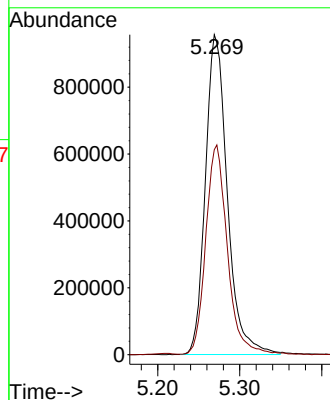
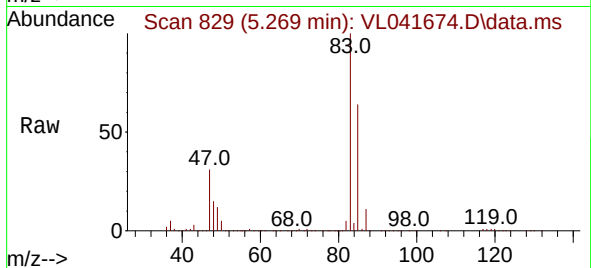
VSTDICCC010

Tgt Ion: 83 Resp: 1779347

Ion Ratio Lower Upper

83 100

85 63.9 51.1 76.7



#30

Cyclohexane

Concen: 10.487 ppbv

RT: 6.597 min Scan# 1242

Delta R.T. 0.000 min

Lab File: VL041674.D

Acq: 7 Nov 2024 10:15

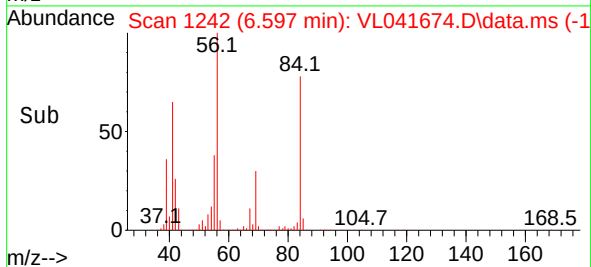
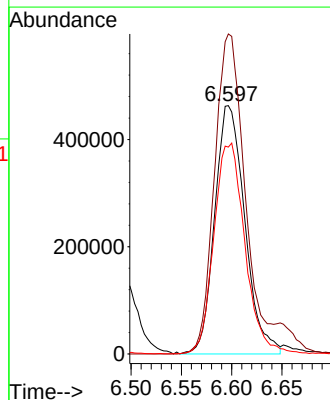
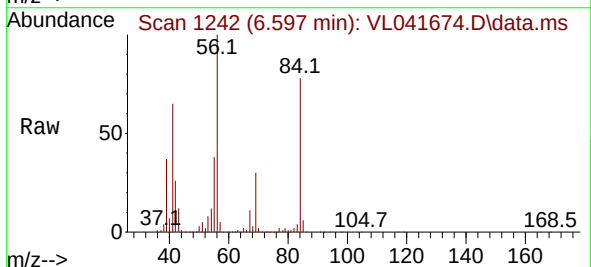
Tgt Ion: 84 Resp: 965390

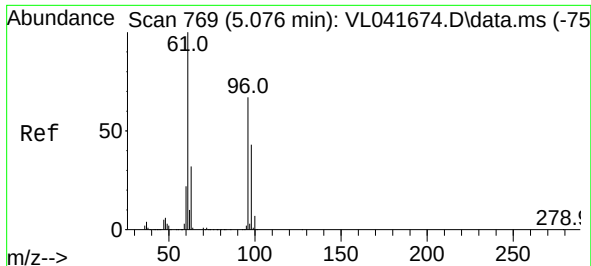
Ion Ratio Lower Upper

84 100

56 138.5 110.8 166.2

41 87.5 70.0 105.0





#31

cis-1,2-Dichloroethene

Concen: 9.937 ppbv

RT: 5.076 min Scan# 769

Delta R.T. 0.000 min

Lab File: VL041674.D

Acq: 7 Nov 2024 10:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

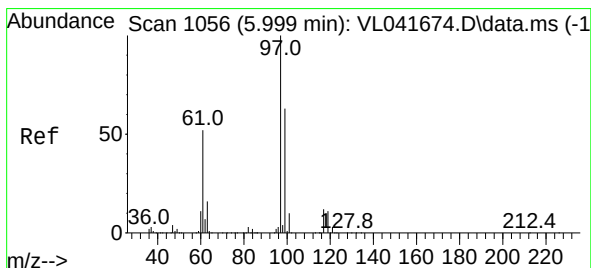
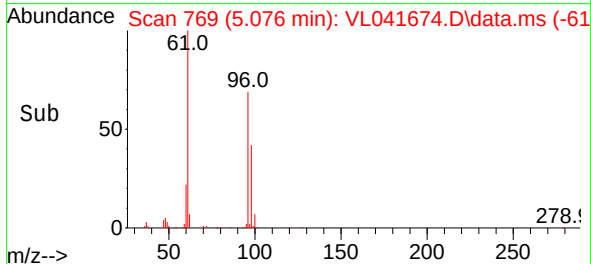
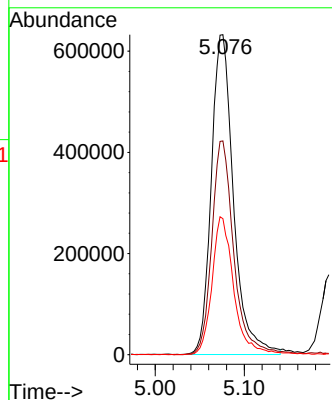
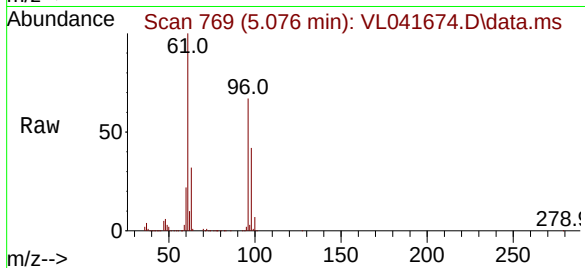
Tgt Ion: 61 Resp: 1095423

Ion Ratio Lower Upper

61 100

96 66.8 53.4 80.2

98 42.5 34.0 51.0



#32

1,1,1-Trichloroethane

Concen: 10.047 ppbv

RT: 5.999 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VL041674.D

Acq: 7 Nov 2024 10:15

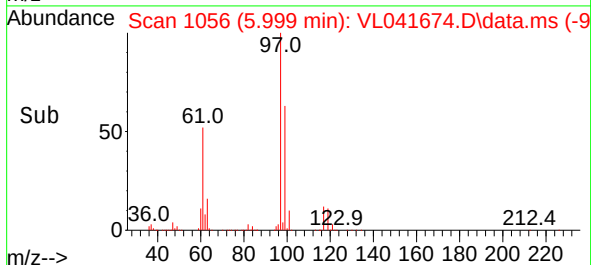
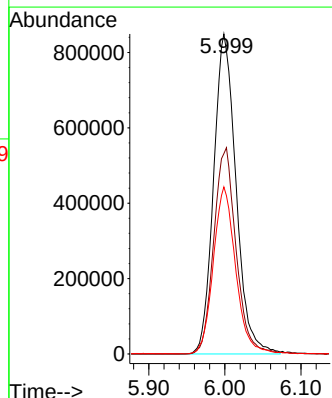
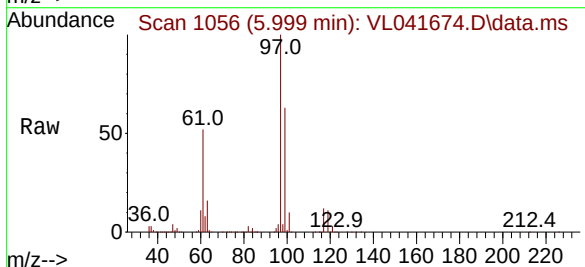
Tgt Ion: 97 Resp: 1742198

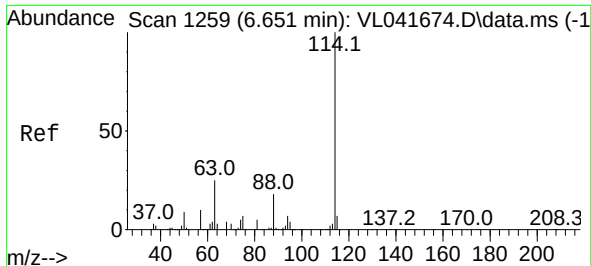
Ion Ratio Lower Upper

97 100

99 64.3 51.4 77.2

61 52.1 41.7 62.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.651 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL041674.D

Acq: 7 Nov 2024 10:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

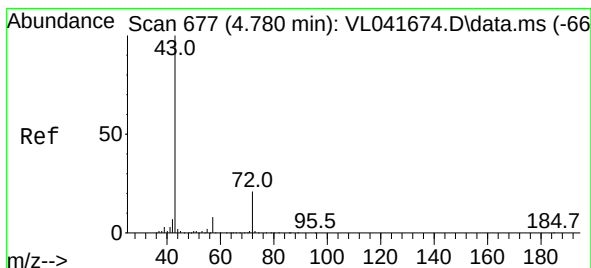
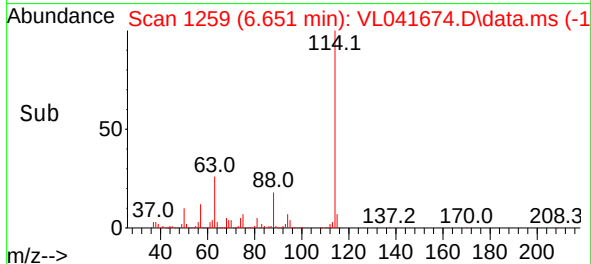
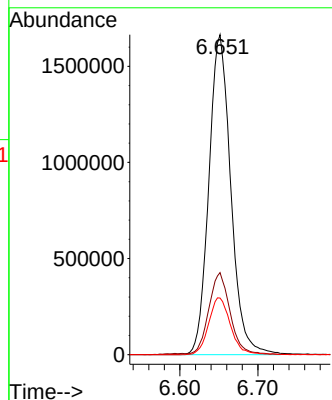
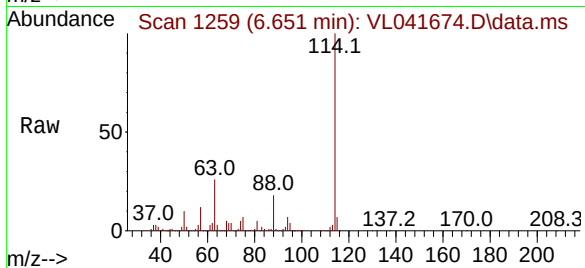
Tgt Ion:114 Resp: 3260349

Ion Ratio Lower Upper

114 100

63 25.4 20.3 30.5

88 17.8 14.2 21.4



#34

2-Butanone

Concen: 9.606 ppbv

RT: 4.780 min Scan# 677

Delta R.T. 0.000 min

Lab File: VL041674.D

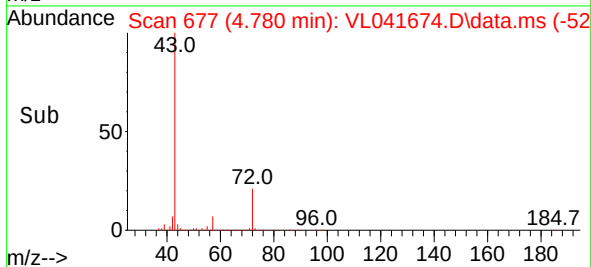
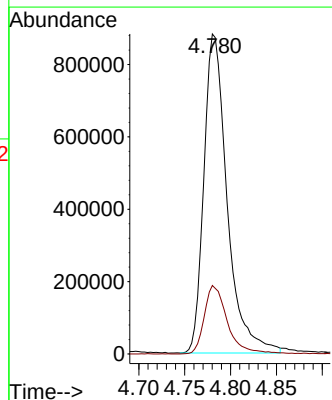
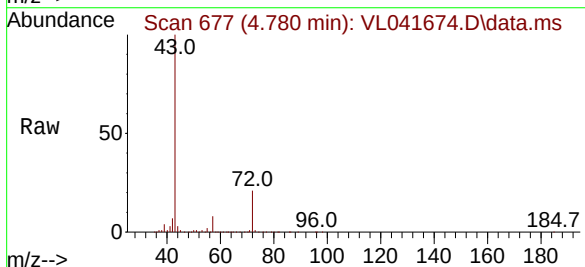
Acq: 7 Nov 2024 10:15

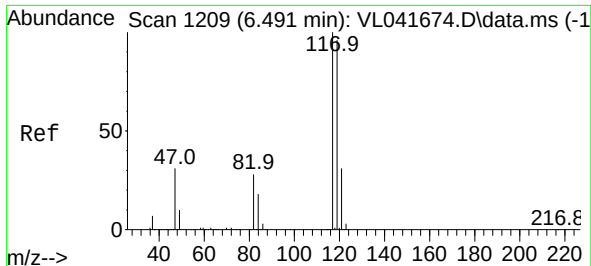
Tgt Ion: 43 Resp: 1559421

Ion Ratio Lower Upper

43 100

72 21.7 17.4 26.0

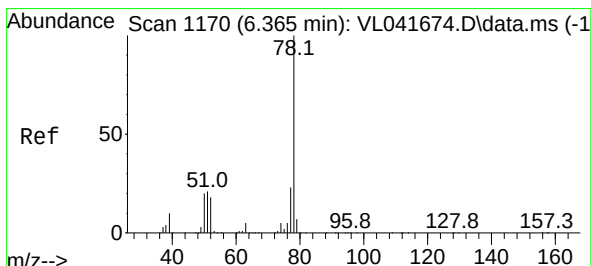
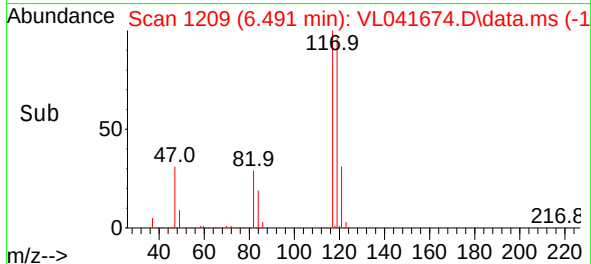
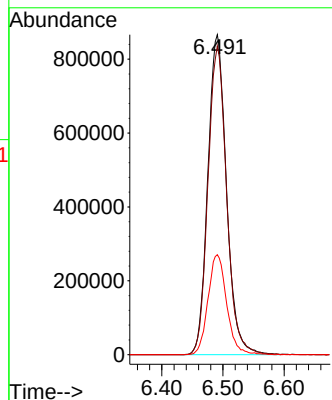
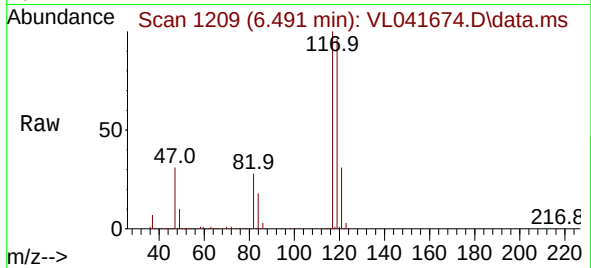




#35
Carbon Tetrachloride
Concen: 10.670 ppbv
RT: 6.491 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

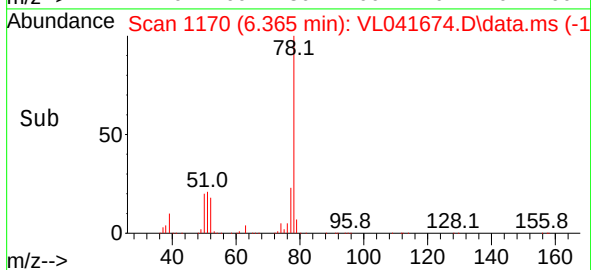
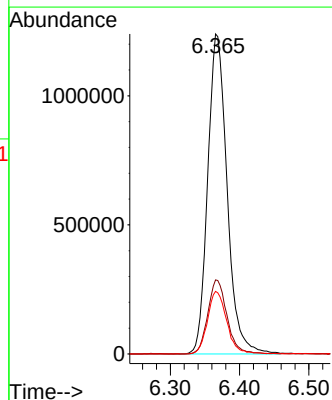
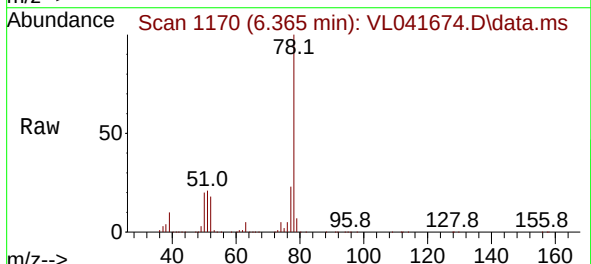
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

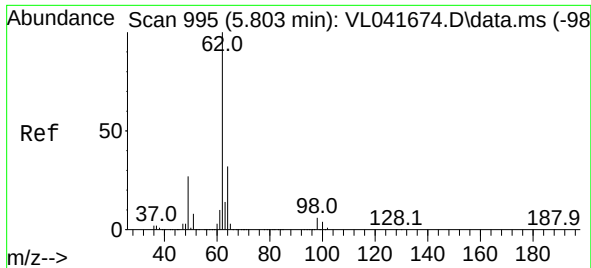
Tgt Ion:117 Resp: 1838964
Ion Ratio Lower Upper
117 100
119 96.5 77.2 115.8
121 31.2 25.0 37.4



#36
Benzene
Concen: 9.955 ppbv
RT: 6.365 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

Tgt Ion: 78 Resp: 2404772
Ion Ratio Lower Upper
78 100
77 23.1 18.5 27.7
50 19.5 15.6 23.4

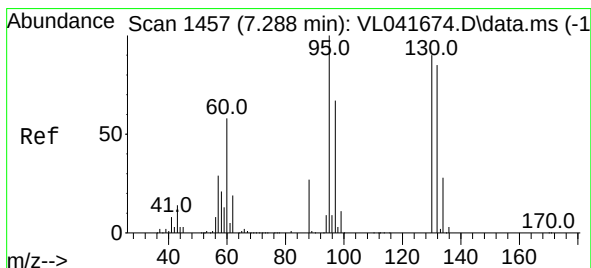
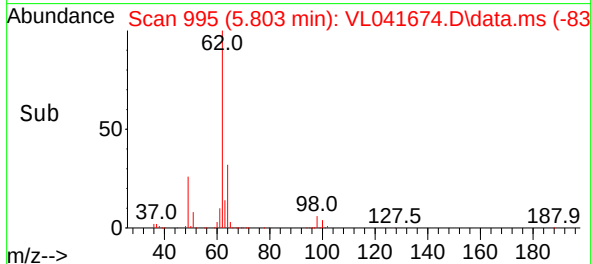
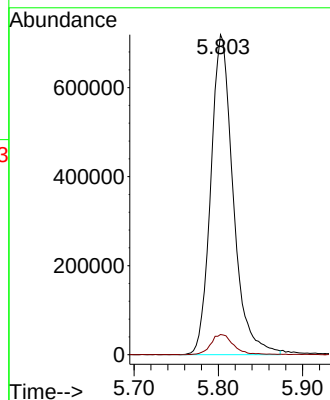
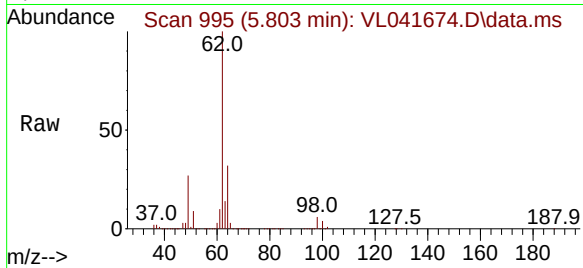




#37
1,2-Dichloroethane
Concen: 9.768 ppbv
RT: 5.803 min Scan# 995
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

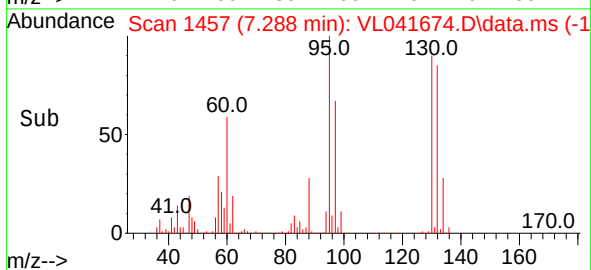
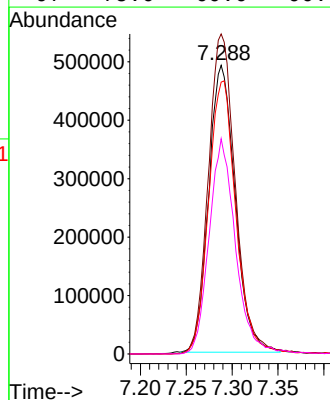
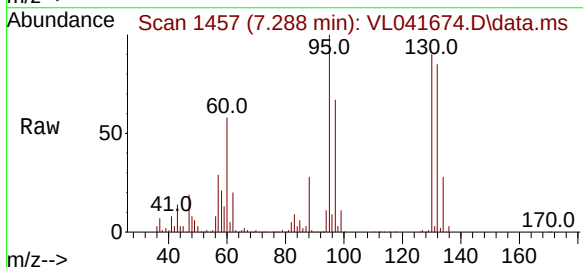
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

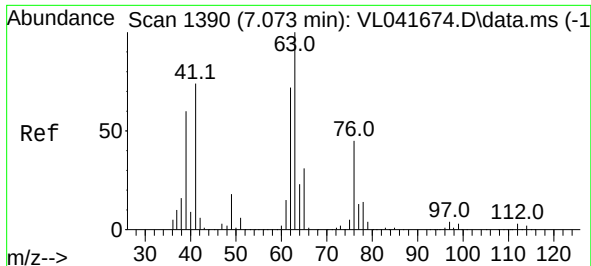
Tgt Ion: 62 Resp: 1331275
Ion Ratio Lower Upper
62 100
98 6.5 5.2 7.8



#38
Trichloroethene
Concen: 10.594 ppbv
RT: 7.288 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

Tgt Ion:130 Resp: 986911
Ion Ratio Lower Upper
130 100
95 111.4 89.1 133.7
132 94.6 75.7 113.5
97 75.0 60.0 90.0





#39

1,2-Dichloropropane

Concen: 9.711 ppbv

RT: 7.073 min Scan# 1390

Delta R.T. 0.000 min

Lab File: VL041674.D

Acq: 7 Nov 2024 10:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

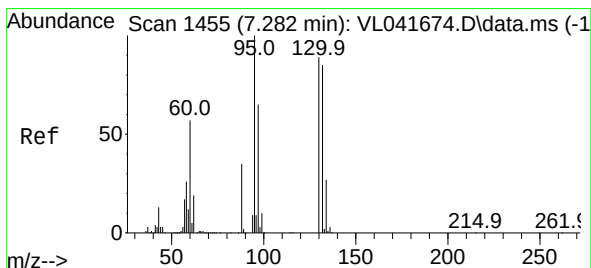
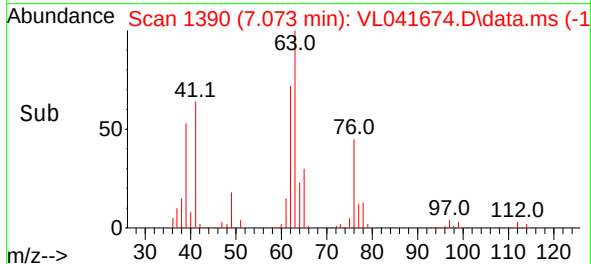
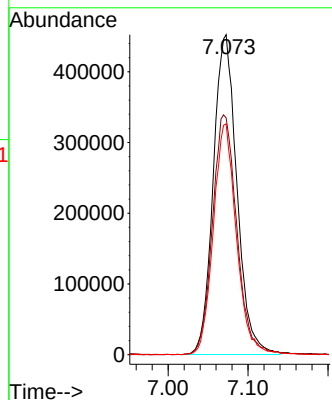
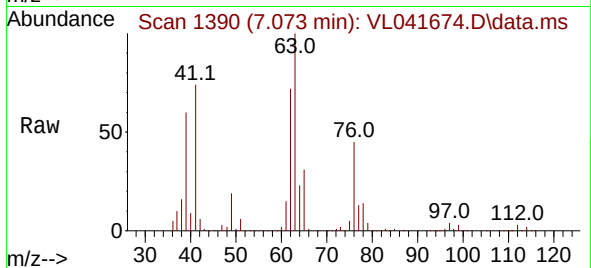
Tgt Ion: 63 Resp: 927055

Ion Ratio Lower Upper

63 100

41 73.9 59.1 88.7

62 72.1 57.7 86.5



#40

1,4-Dioxane

Concen: 10.691 ppbv

RT: 7.282 min Scan# 1455

Delta R.T. 0.000 min

Lab File: VL041674.D

Acq: 7 Nov 2024 10:15

Tgt Ion: 88 Resp: 361524

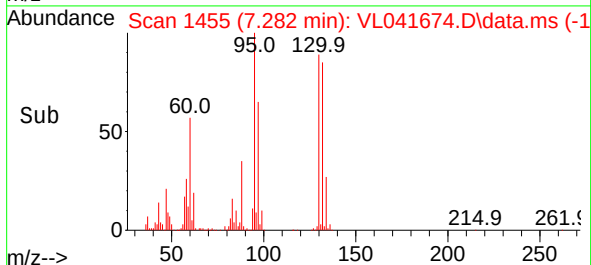
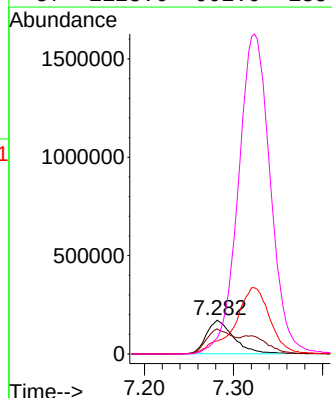
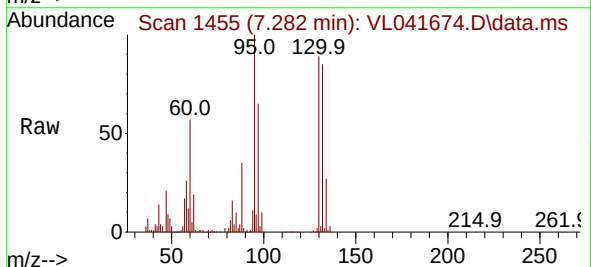
Ion Ratio Lower Upper

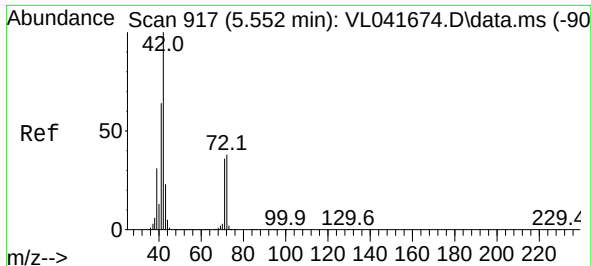
88 100

58 126.8 101.4 152.2

43 260.0 208.0 312.0

57 1128.6 902.9 1354.3





#41

Tetrahydrofuran

Concen: 10.379 ppbv

RT: 5.552 min Scan# 917

Delta R.T. 0.000 min

Lab File: VL041674.D

Acq: 7 Nov 2024 10:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

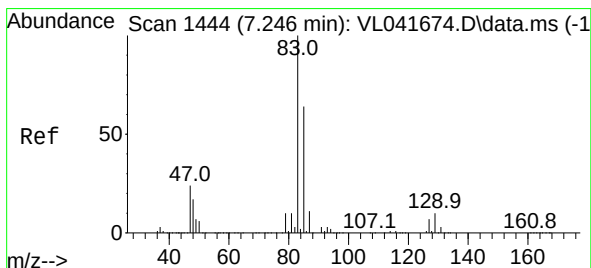
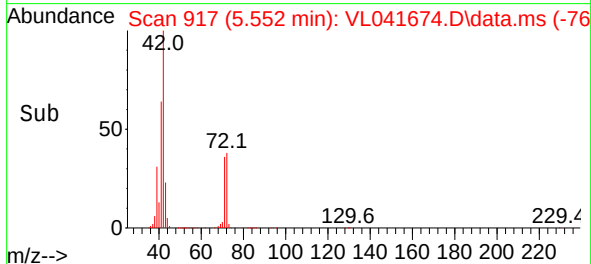
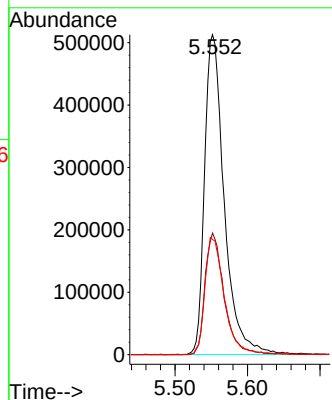
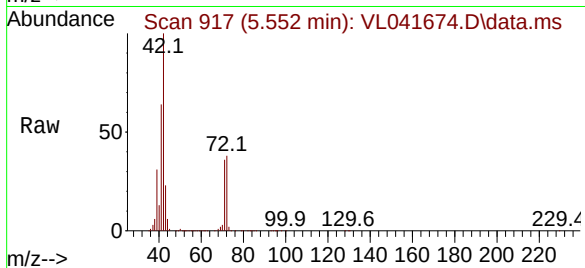
Tgt Ion: 42 Resp: 961227

Ion Ratio Lower Upper

42 100

72 37.2 29.8 44.6

71 36.8 29.4 44.2



#42

Bromodichloromethane

Concen: 10.153 ppbv

RT: 7.246 min Scan# 1444

Delta R.T. 0.000 min

Lab File: VL041674.D

Acq: 7 Nov 2024 10:15

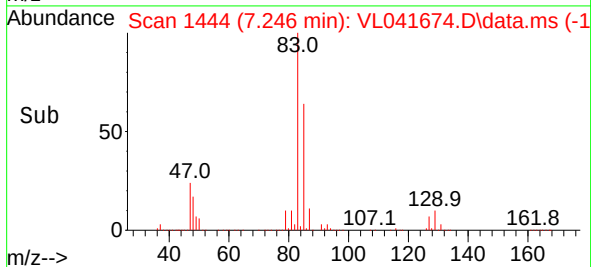
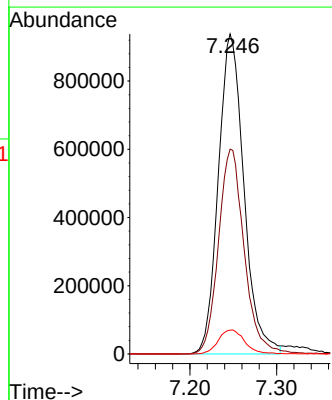
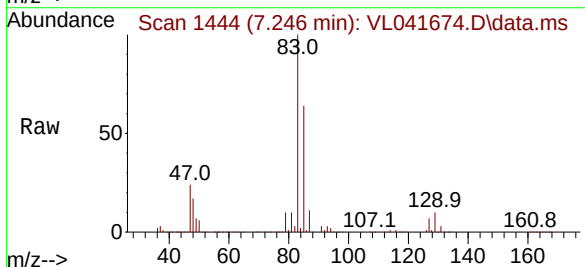
Tgt Ion: 83 Resp: 1922752

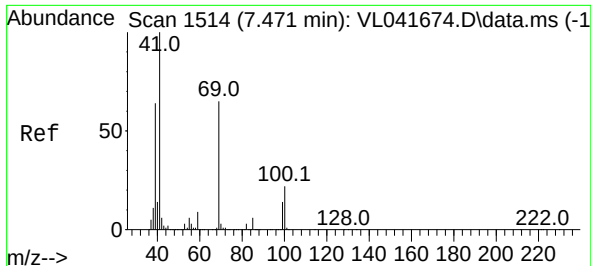
Ion Ratio Lower Upper

83 100

85 64.0 51.2 76.8

127 7.5 6.0 9.0

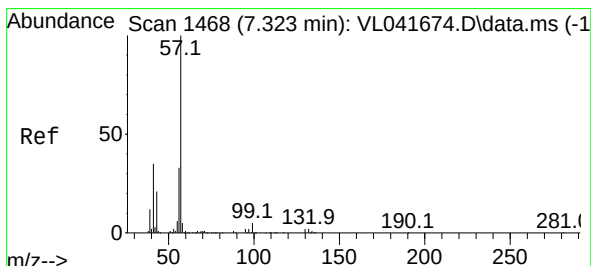
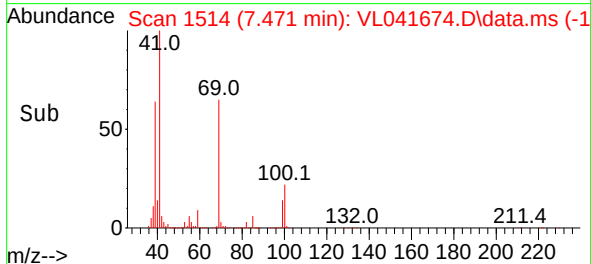
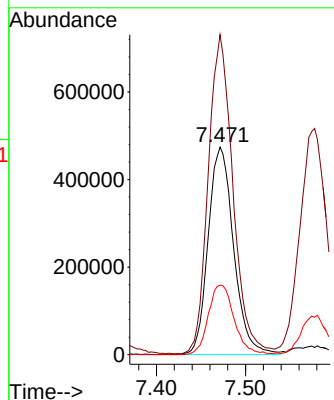
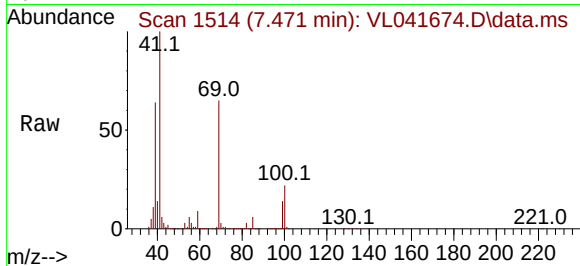




#43
Methyl Methacrylate
Concen: 11.071 ppbv
RT: 7.471 min Scan# 1514
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

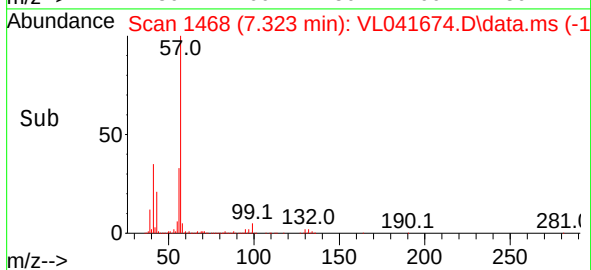
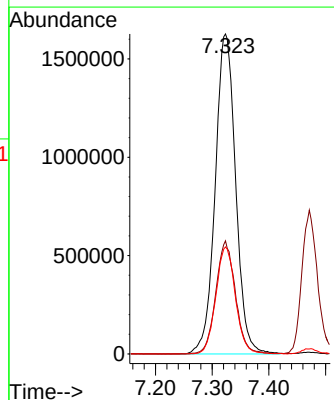
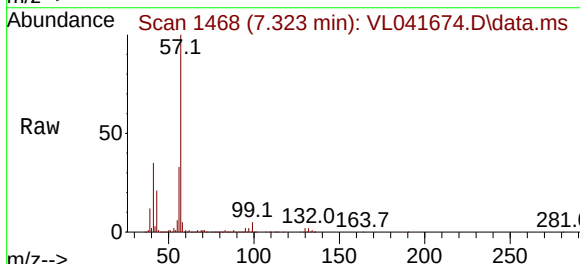
Instrument :
MSVOA_1
ClientSampleId :
VSTDICCC010

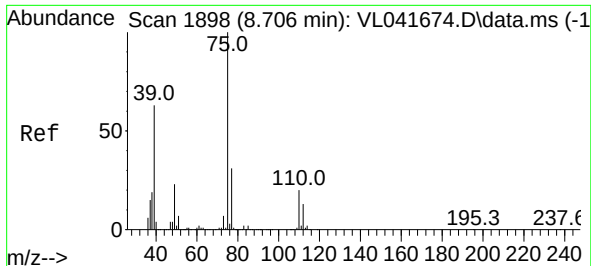
Tgt Ion: 69 Resp: 939057
Ion Ratio Lower Upper
69 100
41 149.7 119.8 179.6
100 34.1 27.3 40.9



#44
2,2,4-Trimethylpentane
Concen: 9.968 ppbv
RT: 7.323 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

Tgt Ion: 57 Resp: 4079001
Ion Ratio Lower Upper
57 100
41 33.8 27.0 40.6
56 32.2 25.8 38.6





#45

t-1,3-Dichloropropene

Concen: 12.141 ppbv

RT: 8.706 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VL041674.D

Acq: 7 Nov 2024 10:15

Instrument :

MSVOA_L

ClientSampleId :

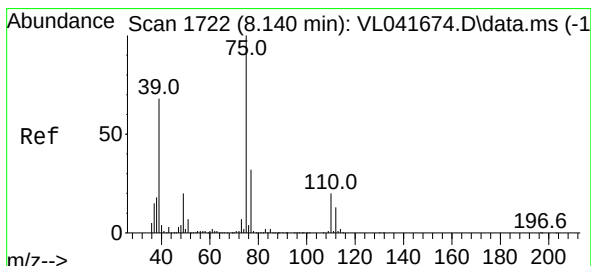
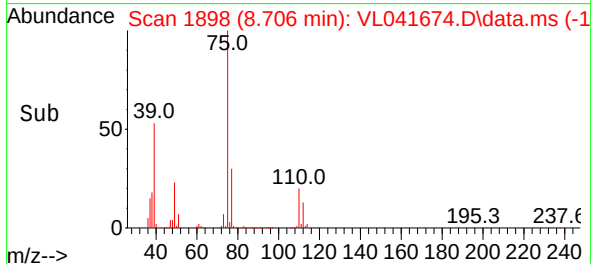
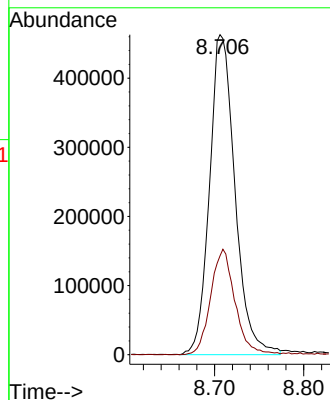
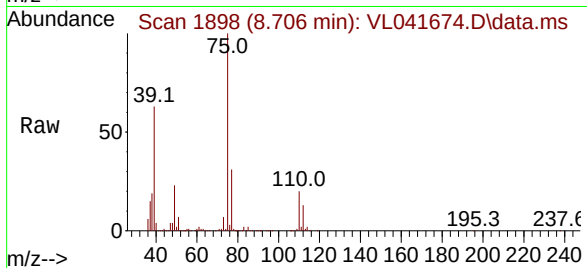
VSTDICCC010

Tgt Ion: 75 Resp: 920537

Ion Ratio Lower Upper

75 100

77 30.9 24.7 37.1



#46

cis-1,3-Dichloropropene

Concen: 11.408 ppbv

RT: 8.140 min Scan# 1722

Delta R.T. 0.000 min

Lab File: VL041674.D

Acq: 7 Nov 2024 10:15

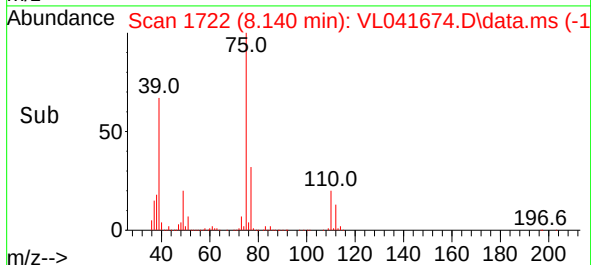
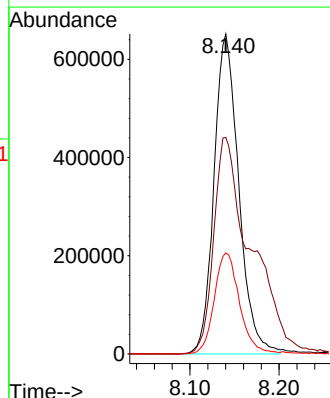
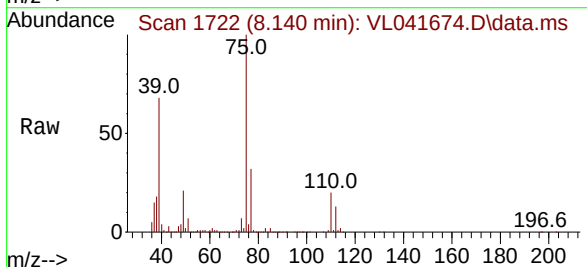
Tgt Ion: 75 Resp: 1257121

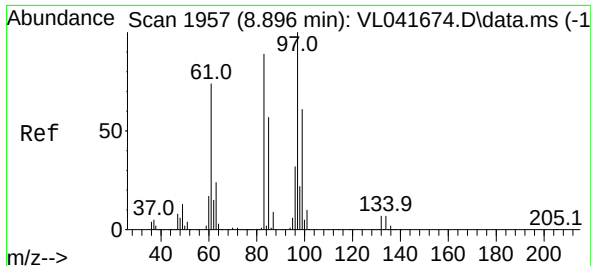
Ion Ratio Lower Upper

75 100

39 67.6 54.1 81.1

77 31.6 25.3 37.9





#47

1,1,2-Trichloroethane

Concen: 9.746 ppbv

RT: 8.896 min Scan# 1957

Delta R.T. 0.000 min

Lab File: VL041674.D

Acq: 7 Nov 2024 10:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 97 Resp: 1003150

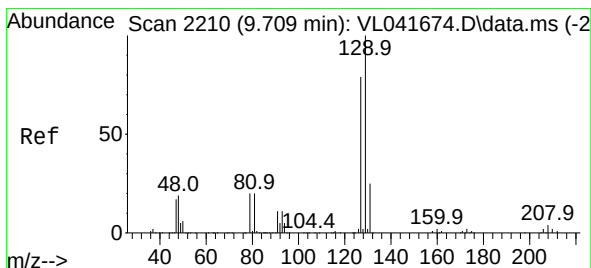
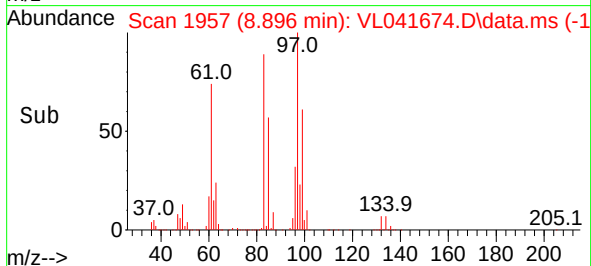
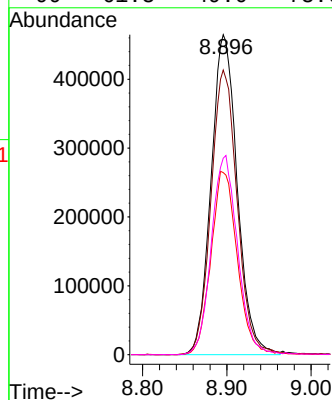
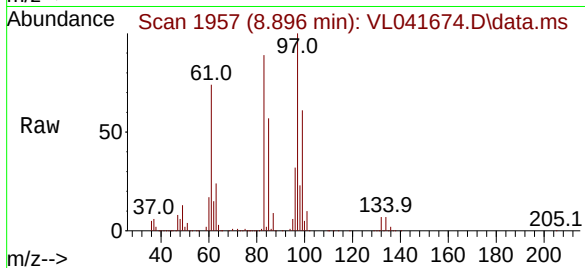
Ion Ratio Lower Upper

97 100

83 88.8 71.0 106.6

85 56.8 45.4 68.2

99 61.3 49.0 73.6



#48

Dibromochloromethane

Concen: 10.690 ppbv

RT: 9.709 min Scan# 2210

Delta R.T. 0.000 min

Lab File: VL041674.D

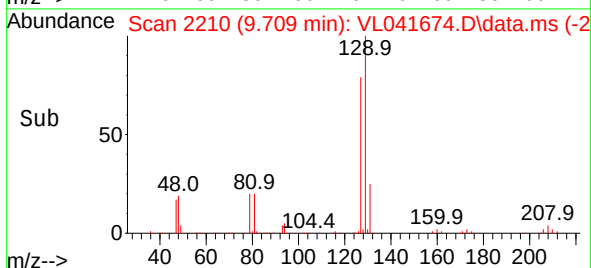
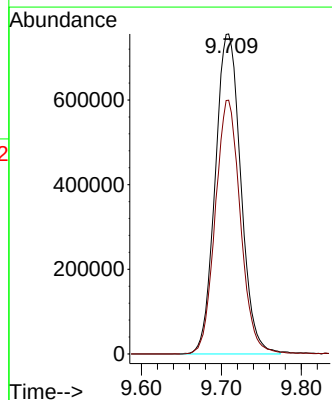
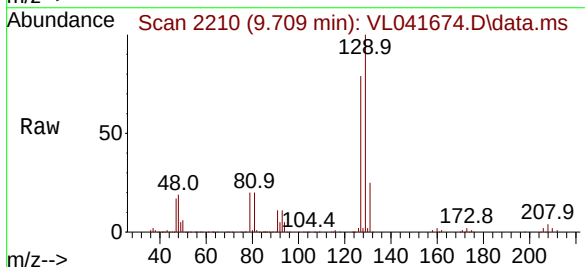
Acq: 7 Nov 2024 10:15

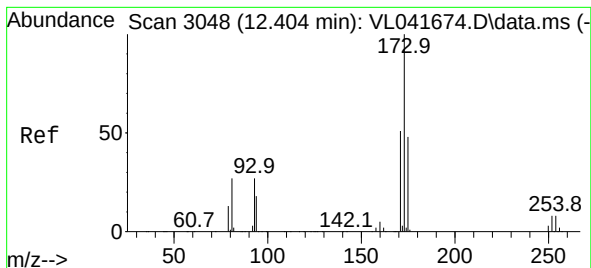
Tgt Ion: 129 Resp: 1679053

Ion Ratio Lower Upper

129 100

127 78.1 39.1 117.2





#49

Bromoform

Concen: 11.174 ppbv

RT: 12.404 min Scan# 3048

Delta R.T. 0.000 min

Lab File: VL041674.D

Acq: 7 Nov 2024 10:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

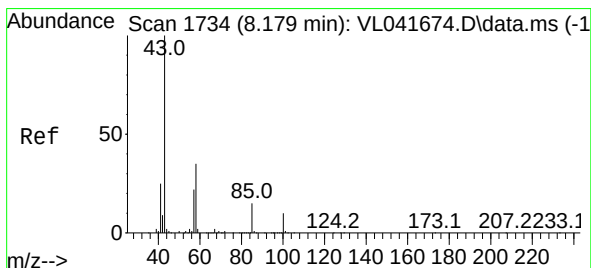
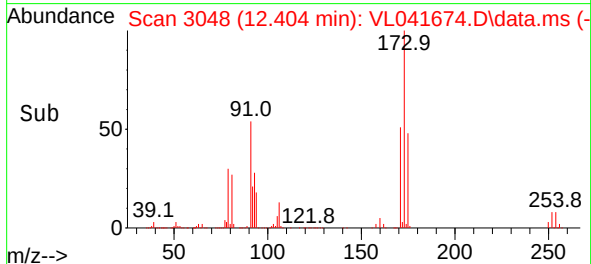
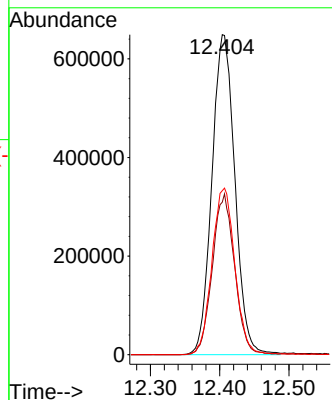
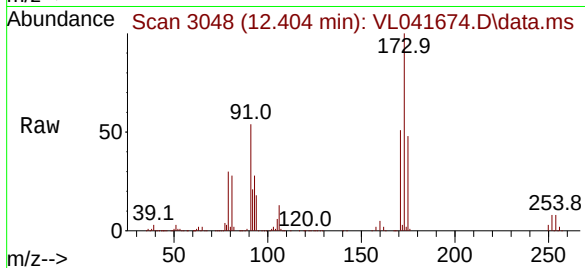
Tgt Ion:173 Resp: 1497222

Ion Ratio Lower Upper

173 100

175 49.0 39.2 58.8

171 52.1 41.7 62.5



#50

4-Methyl-2-Pentanone

Concen: 10.544 ppbv

RT: 8.179 min Scan# 1734

Delta R.T. 0.000 min

Lab File: VL041674.D

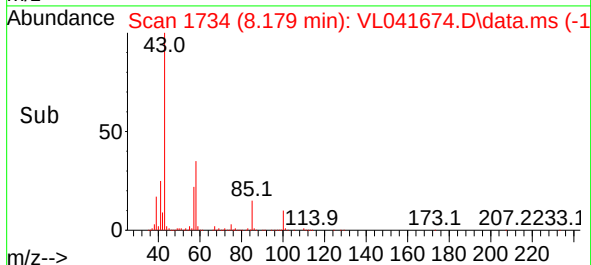
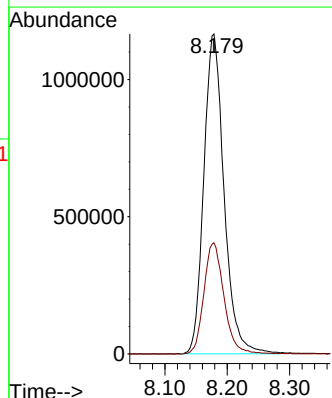
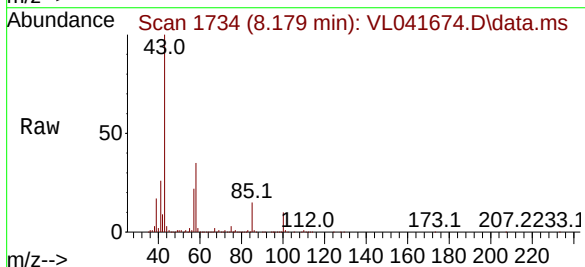
Acq: 7 Nov 2024 10:15

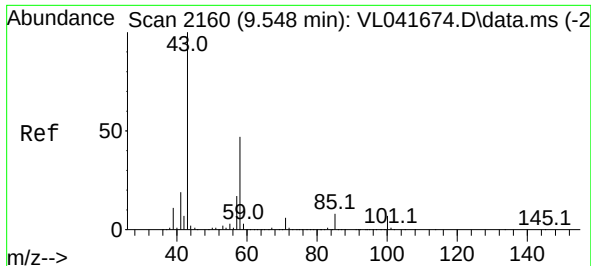
Tgt Ion: 43 Resp: 2628657

Ion Ratio Lower Upper

43 100

58 34.6 27.7 41.5

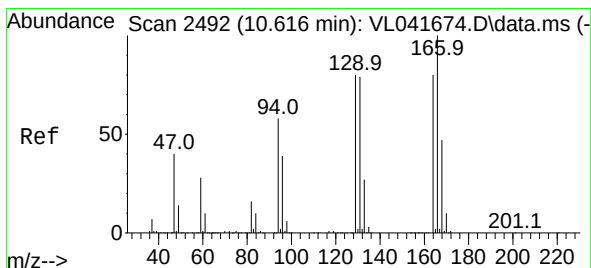
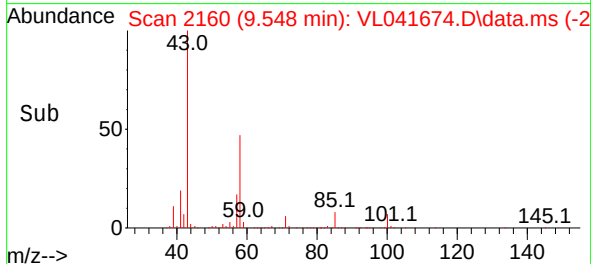
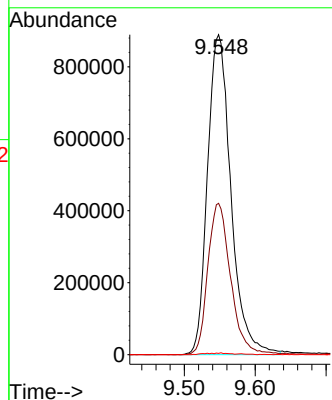
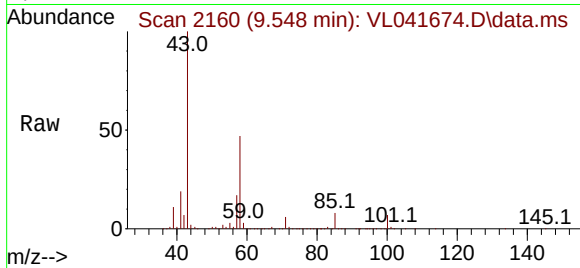




#51
2-Hexanone
Concen: 11.281 ppbv
RT: 9.548 min Scan# 2160
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

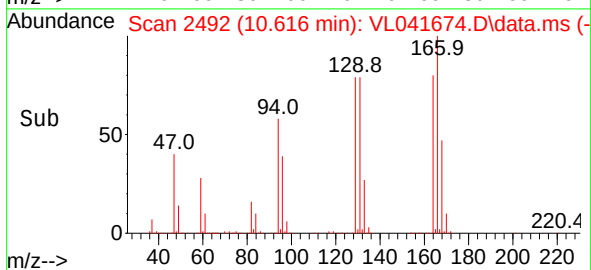
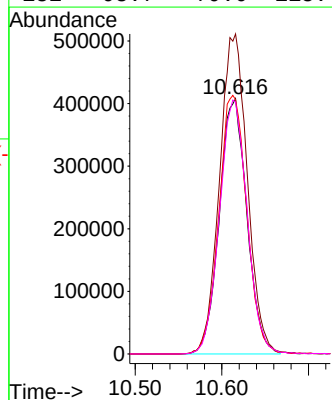
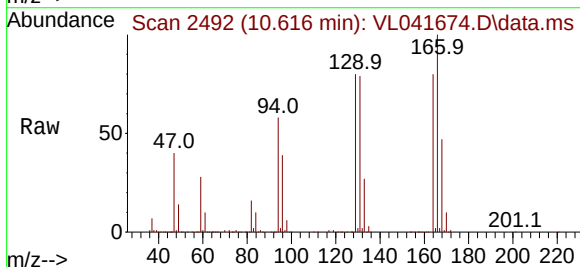
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

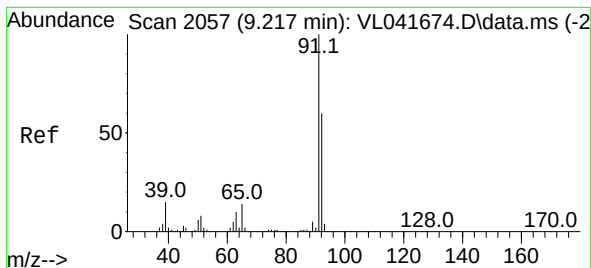
Tgt Ion: 43 Resp: 2043690
Ion Ratio Lower Upper
43 100
58 46.3 37.0 55.6
98 0.7 0.6 0.8



#52
Tetrachloroethene
Concen: 10.893 ppbv
RT: 10.616 min Scan# 2492
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

Tgt Ion:164 Resp: 899580
Ion Ratio Lower Upper
164 100
166 125.3 100.2 150.4
129 99.6 79.7 119.5
131 98.7 79.0 118.4





#53

Toluene

Concen: 10.973 ppbv

RT: 9.217 min Scan# 2057

Delta R.T. 0.000 min

Lab File: VL041674.D

Acq: 7 Nov 2024 10:15

Instrument :

MSVOA_L

ClientSampleId :

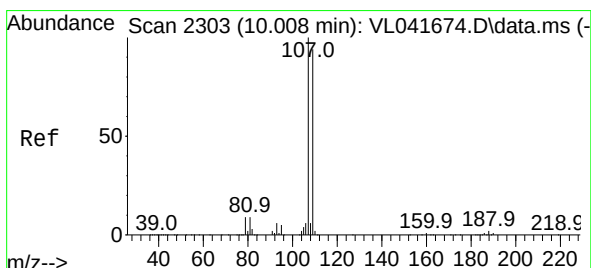
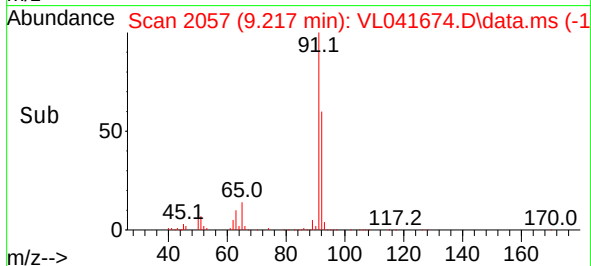
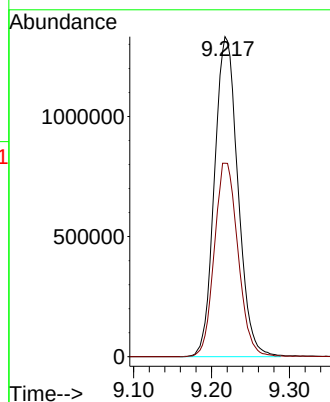
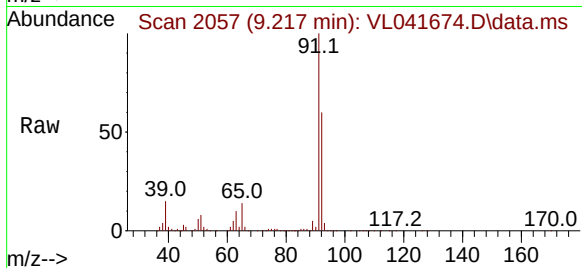
VSTDICCC010

Tgt Ion: 91 Resp: 2787590

Ion Ratio Lower Upper

91 100

92 61.2 49.0 73.4



#54

1,2-Dibromoethane

Concen: 11.262 ppbv

RT: 10.008 min Scan# 2303

Delta R.T. 0.000 min

Lab File: VL041674.D

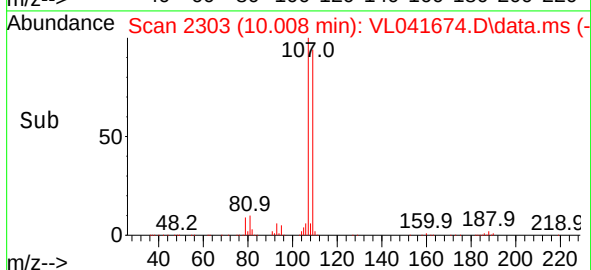
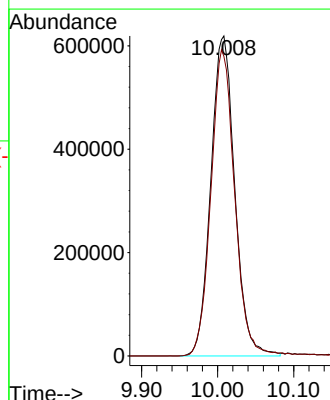
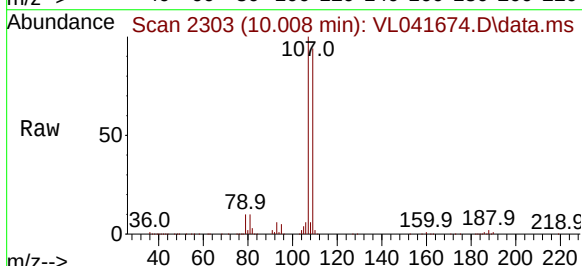
Acq: 7 Nov 2024 10:15

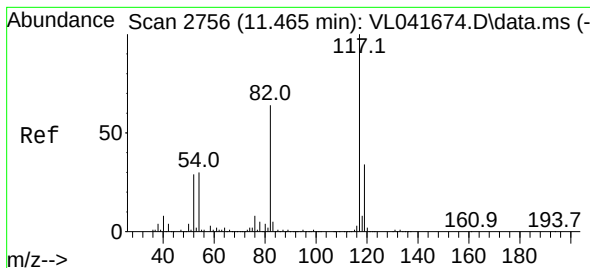
Tgt Ion:107 Resp: 1353490

Ion Ratio Lower Upper

107 100

109 93.6 74.9 112.3





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.465 min Scan# 2756

Delta R.T. 0.000 min

Lab File: VL041674.D

Acq: 7 Nov 2024 10:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

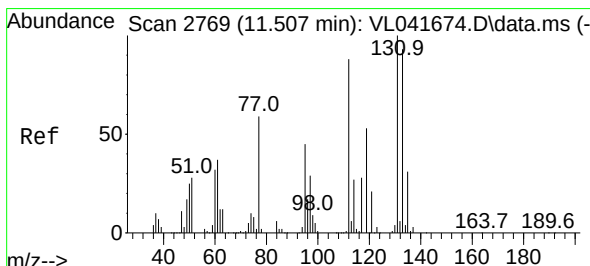
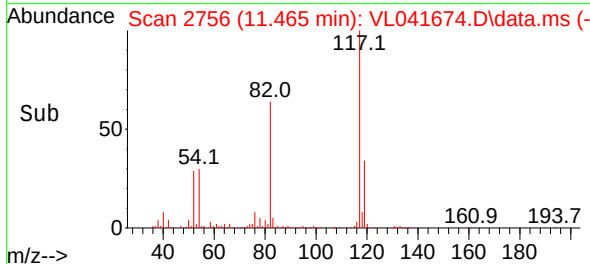
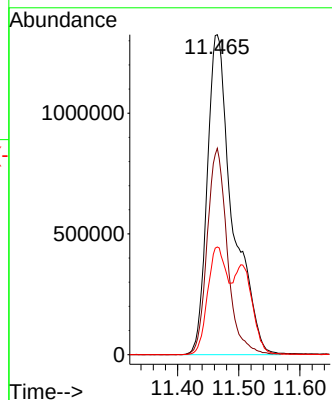
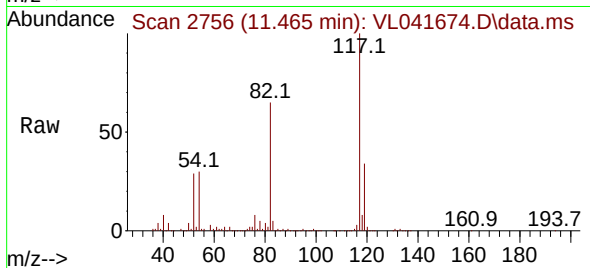
Tgt Ion:117 Resp: 3837595

Ion Ratio Lower Upper

117 100

82 51.3 49.8 74.8

119 24.9 24.2 36.4



#56

1,1,1,2-Tetrachloroethane

Concen: 7.924 ppbv

RT: 11.507 min Scan# 2769

Delta R.T. 0.000 min

Lab File: VL041674.D

Acq: 7 Nov 2024 10:15

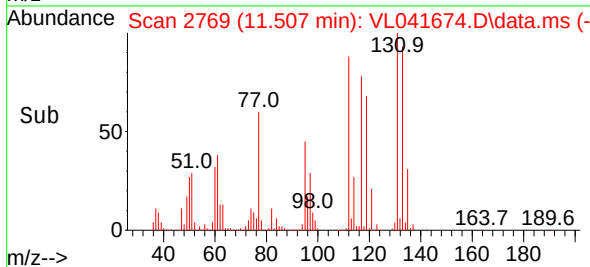
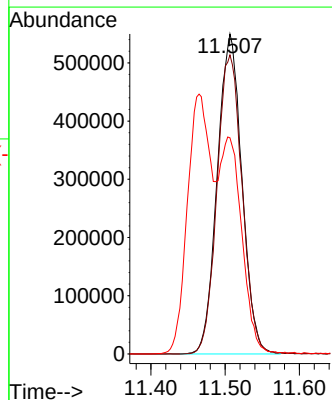
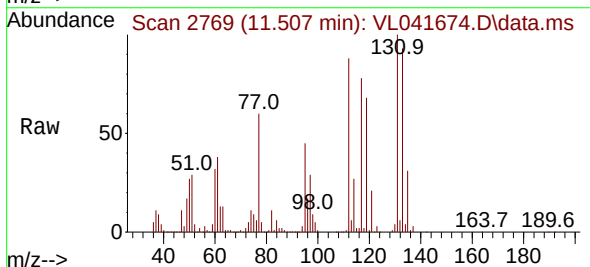
Tgt Ion:131 Resp: 1266326

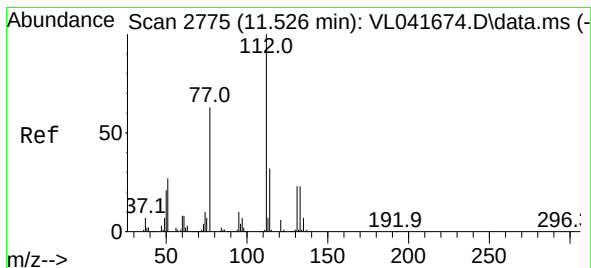
Ion Ratio Lower Upper

131 100

133 95.6 76.5 114.7

119 62.3 49.8 74.8

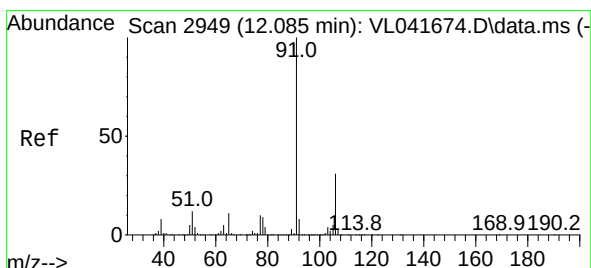
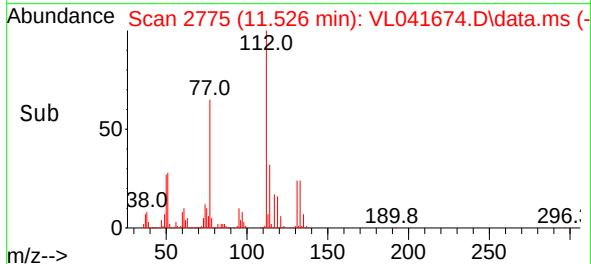
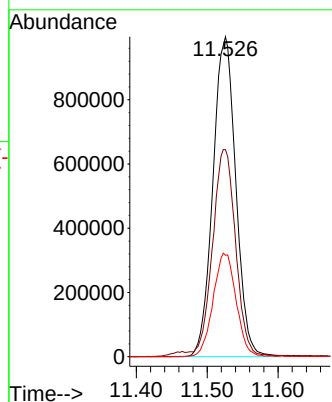
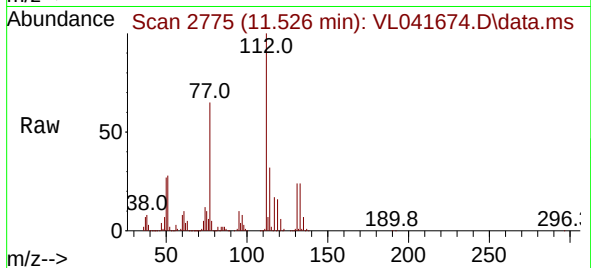




#57
Chlorobenzene
Concen: 7.821 ppbv
RT: 11.526 min Scan# 211
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

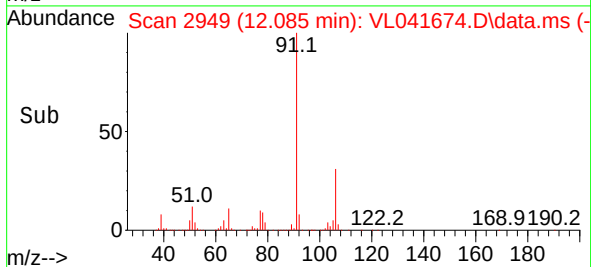
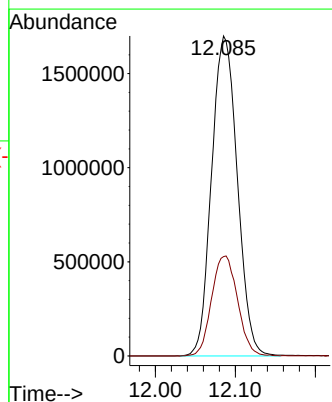
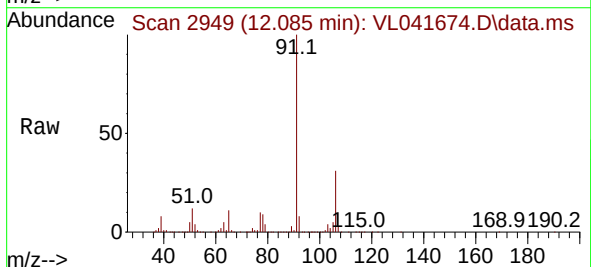
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

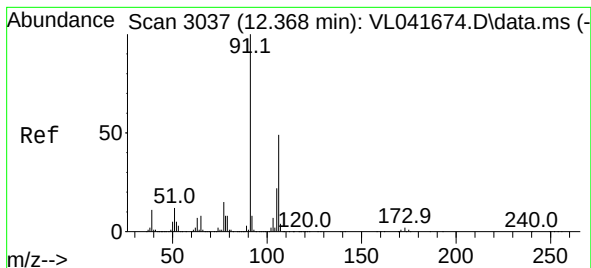
Tgt Ion:112 Resp: 2237328
Ion Ratio Lower Upper
112 100
77 64.3 51.4 77.2
114 31.6 28.4 34.8



#58
Ethyl Benzene
Concen: 8.928 ppbv
RT: 12.085 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

Tgt Ion: 91 Resp: 3795372
Ion Ratio Lower Upper
91 100
106 31.1 24.9 37.3

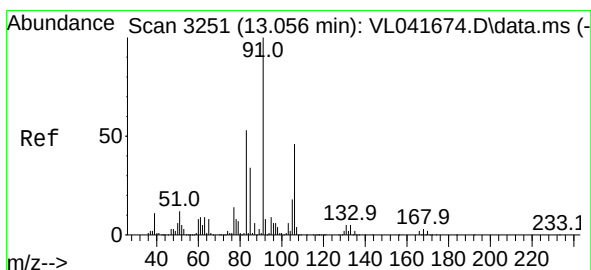
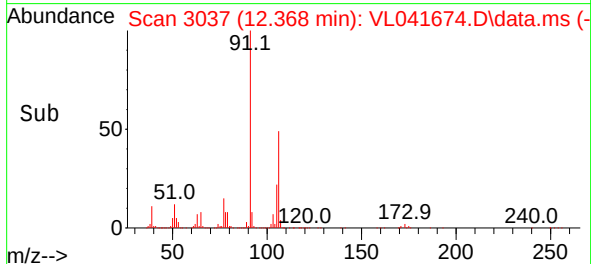
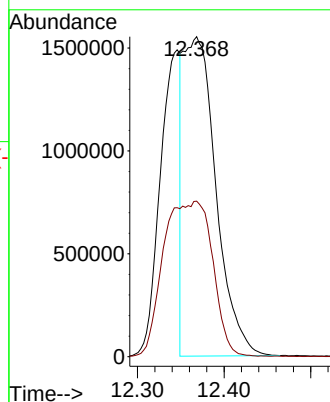
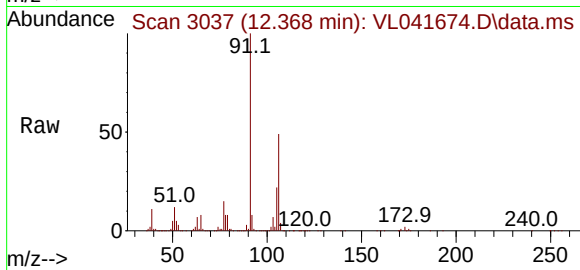




#59
m/p-Xylene
Concen: 10.651 ppbv
RT: 12.368 min Scan# 3037
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

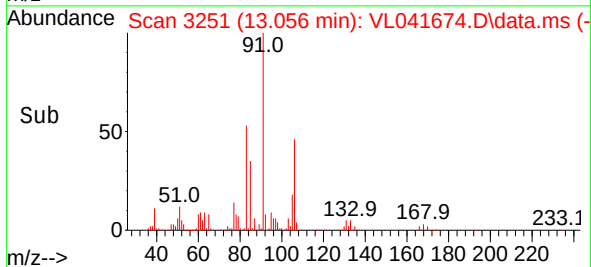
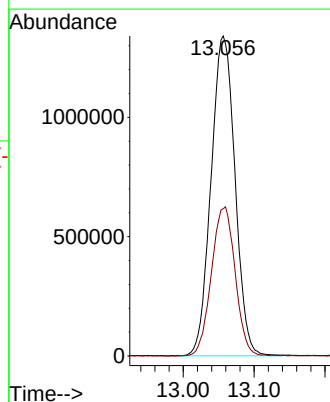
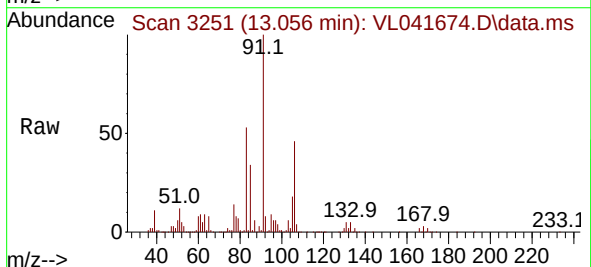
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

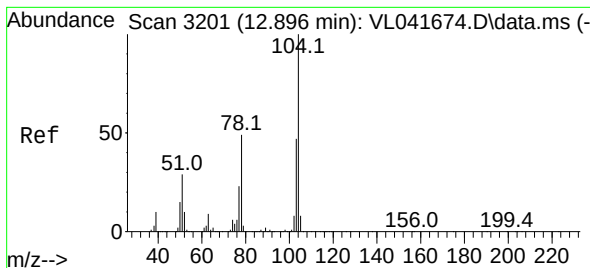
Tgt Ion: 91 Resp: 4050379
Ion Ratio Lower Upper
91 100
106 73.8 36.9 55.3#



#60
o-Xylene
Concen: 8.672 ppbv
RT: 13.056 min Scan# 3251
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

Tgt Ion: 91 Resp: 3148609
Ion Ratio Lower Upper
91 100
106 46.4 23.2 69.6

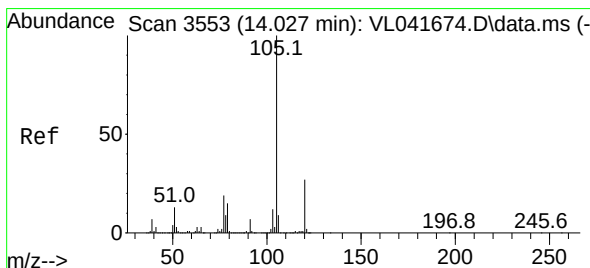
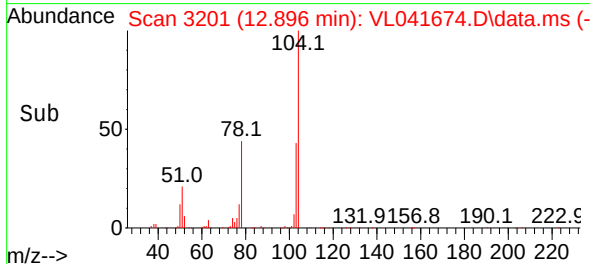
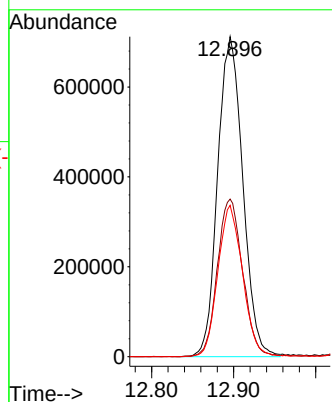
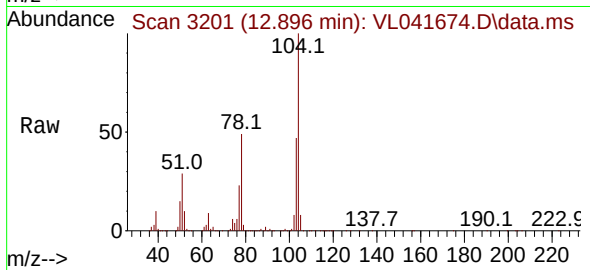




#61
Styrene
Concen: 10.115 ppbv
RT: 12.896 min Scan# 3201
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

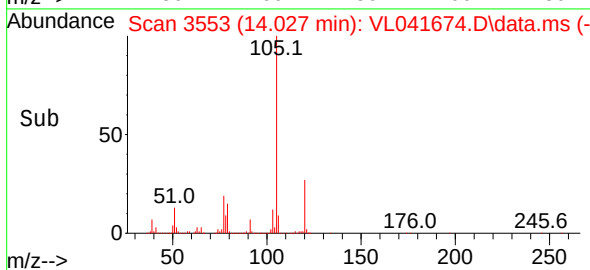
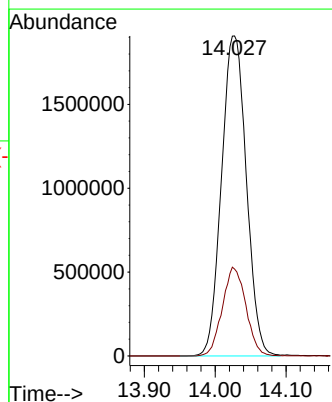
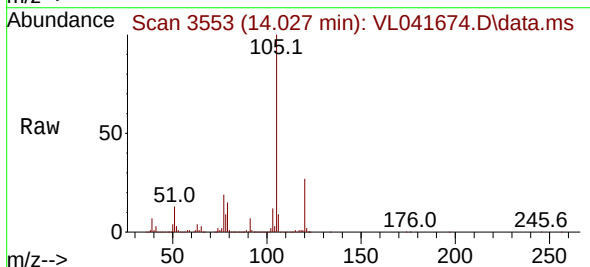
Instrument :
MSVOA_1
ClientSampleId :
VSTDICCC010

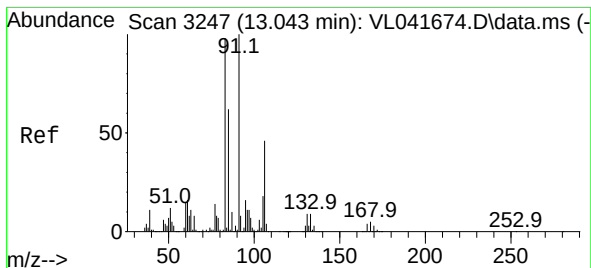
Tgt Ion:104 Resp: 1515741
Ion Ratio Lower Upper
104 100
78 49.8 39.8 59.8
103 46.7 37.4 56.0



#62
Isopropylbenzene
Concen: 8.291 ppbv
RT: 14.027 min Scan# 3553
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

Tgt Ion:105 Resp: 4647017
Ion Ratio Lower Upper
105 100
120 26.4 21.1 31.7

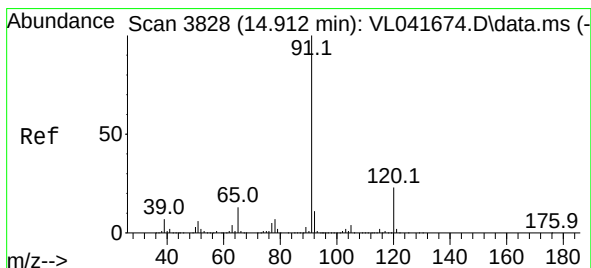
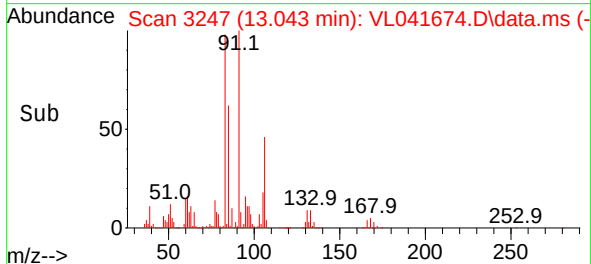
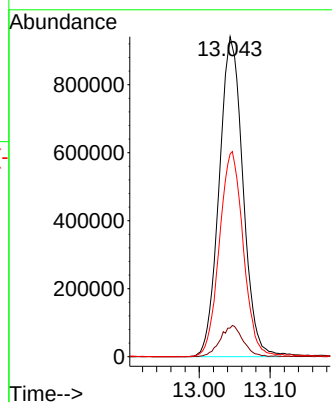
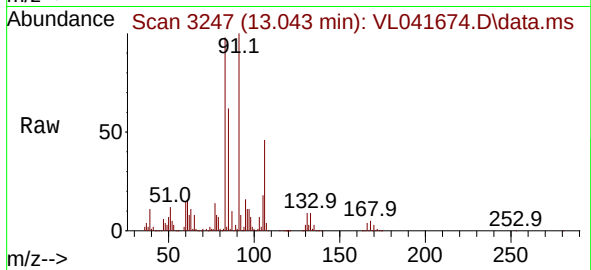




#63
1,1,2,2-Tetrachloroethane
Concen: 8.302 ppbv
RT: 13.043 min Scan# 3247
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

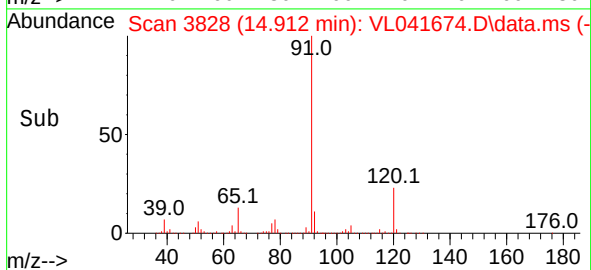
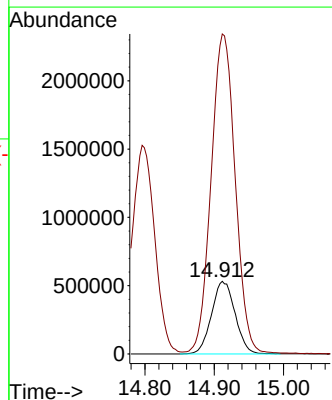
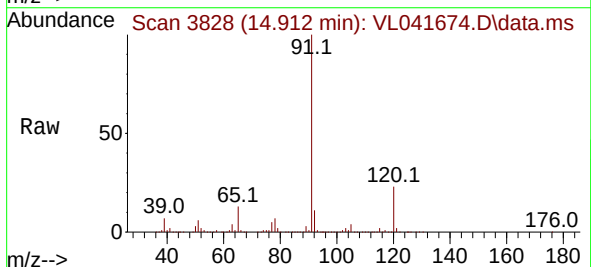
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

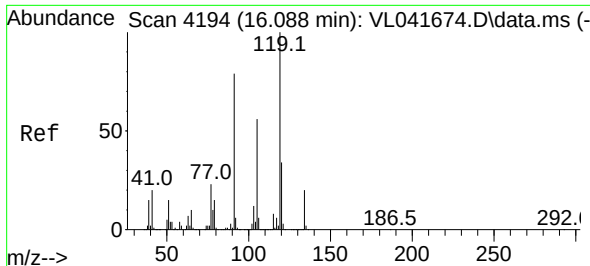
Tgt Ion: 83 Resp: 2194609
Ion Ratio Lower Upper
83 100
131 9.5 4.8 14.3
85 65.3 32.6 98.0



#64
n-propylbenzene
Concen: 8.577 ppbv
RT: 14.912 min Scan# 3828
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

Tgt Ion:120 Resp: 1256955
Ion Ratio Lower Upper
120 100
91 453.0 362.4 543.6

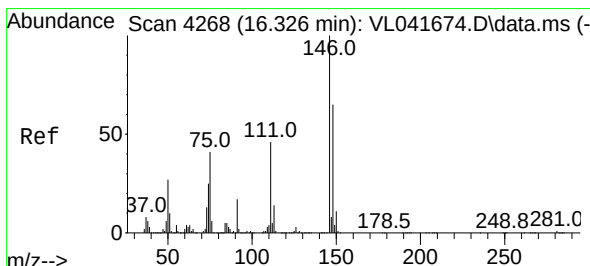
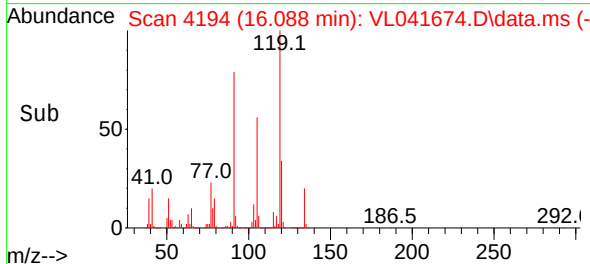
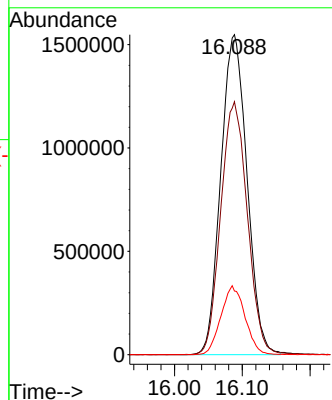
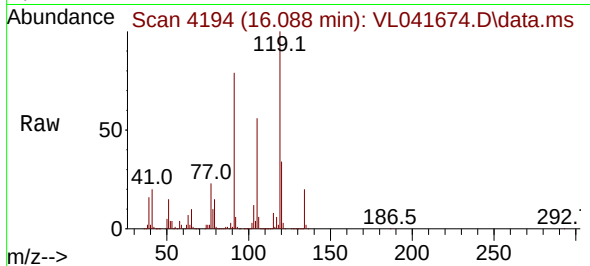




#65
tert-Butylbenzene
Concen: 8.263 ppbv
RT: 16.088 min Scan# 4194
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

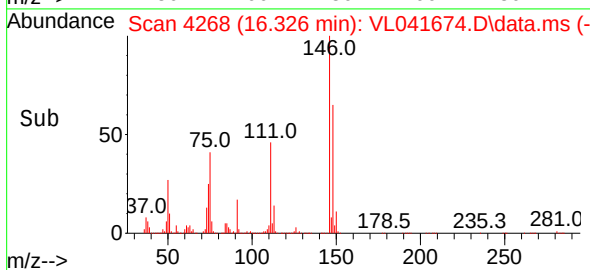
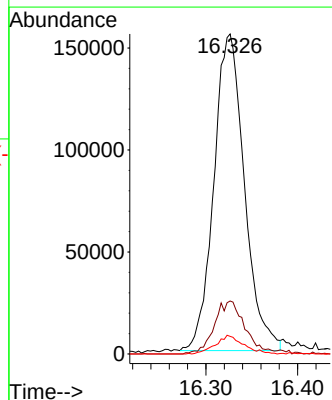
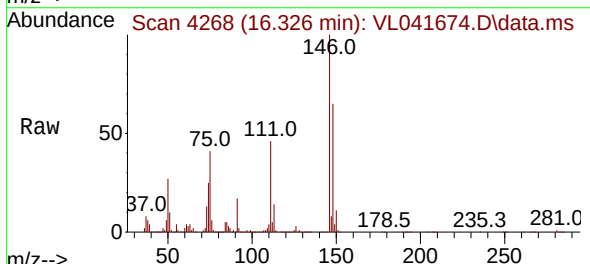
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

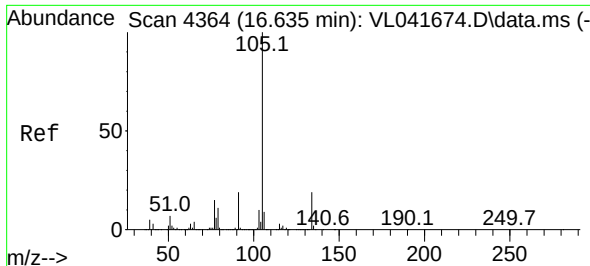
Tgt Ion:119 Resp: 4162243
Ion Ratio Lower Upper
119 100
91 80.4 64.3 96.5
134 19.8 15.8 23.8



#66
Benzyl Chloride
Concen: 9.917 ppbv
RT: 16.326 min Scan# 4268
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

Tgt Ion: 91 Resp: 359794
Ion Ratio Lower Upper
91 100
126 17.2 13.8 20.6
128 5.4 4.3 6.5





#67

sec-Butylbenzene

Concen: 8.251 ppbv

RT: 16.635 min Scan# 4364

Delta R.T. 0.000 min

Lab File: VL041674.D

Acq: 7 Nov 2024 10:15

Instrument :

MSVOA_L

ClientSampleId :

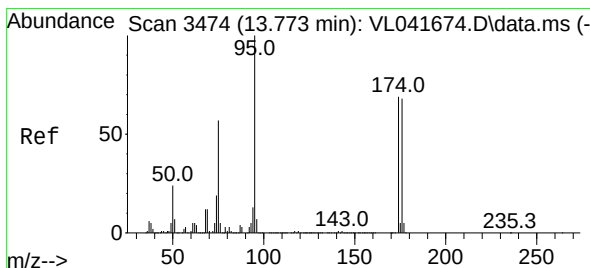
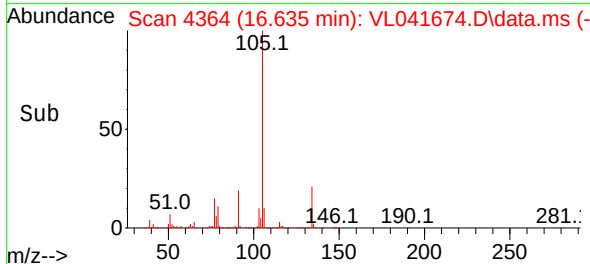
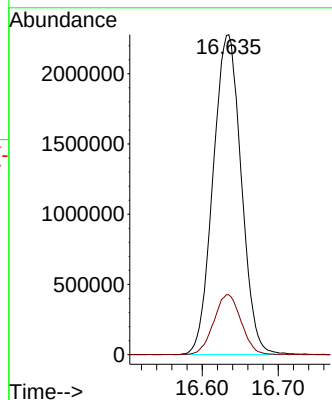
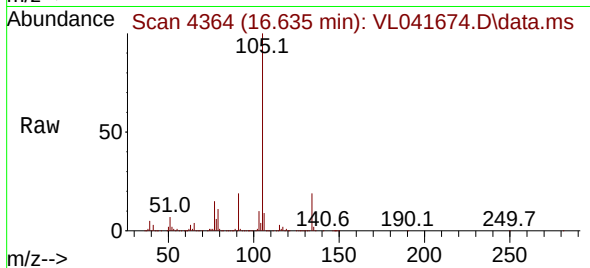
VSTDICCC010

Tgt Ion:105 Resp: 5857608

Ion Ratio Lower Upper

105 100

134 18.3 14.6 22.0



#68

1-Bromo-4-Fluorobenzene

Concen: 8.388 ppbv

RT: 13.773 min Scan# 3474

Delta R.T. 0.000 min

Lab File: VL041674.D

Acq: 7 Nov 2024 10:15

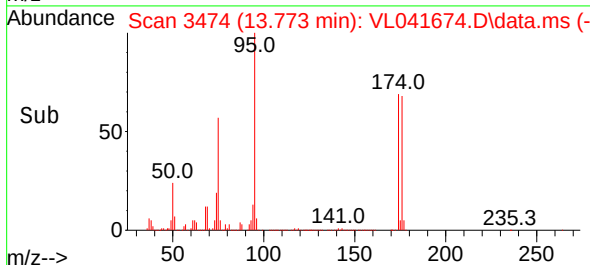
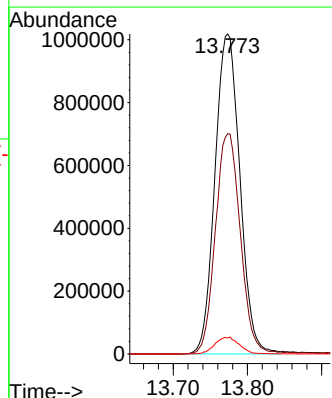
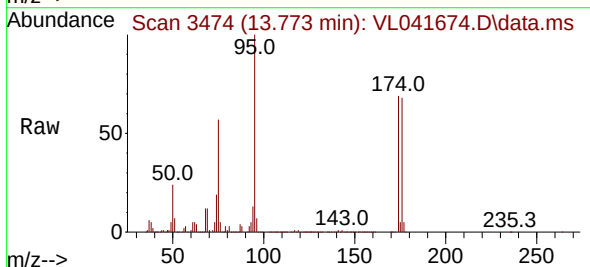
Tgt Ion: 95 Resp: 2380541

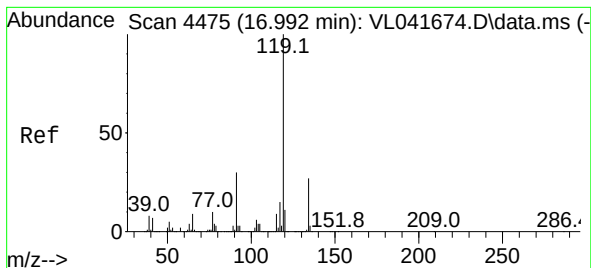
Ion Ratio Lower Upper

95 100

174 69.5 55.6 83.4

175 5.2 4.2 6.2





#69

p-Isopropyltoluene

Concen: 8.569 ppbv

RT: 16.992 min Scan# 4475

Delta R.T. 0.000 min

Lab File: VL041674.D

Acq: 7 Nov 2024 10:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

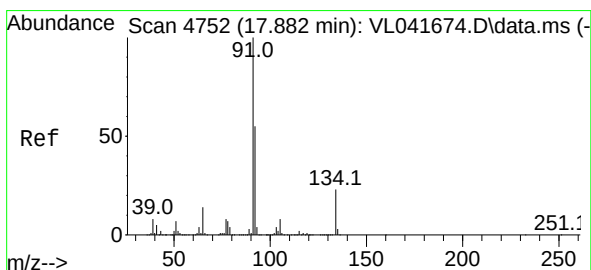
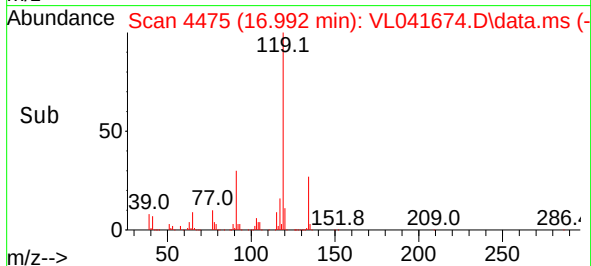
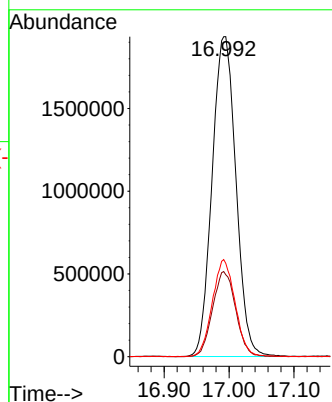
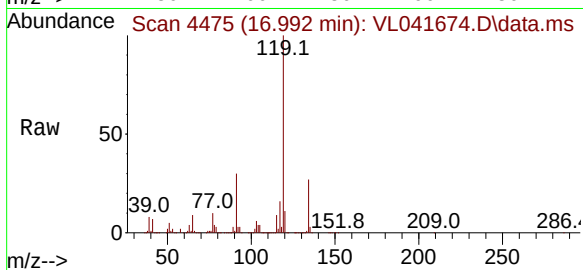
Tgt Ion:119 Resp: 4920309

Ion Ratio Lower Upper

119 100

134 26.0 20.8 31.2

91 29.0 23.2 34.8



#70

n-Butylbenzene

Concen: 8.531 ppbv

RT: 17.882 min Scan# 4752

Delta R.T. 0.000 min

Lab File: VL041674.D

Acq: 7 Nov 2024 10:15

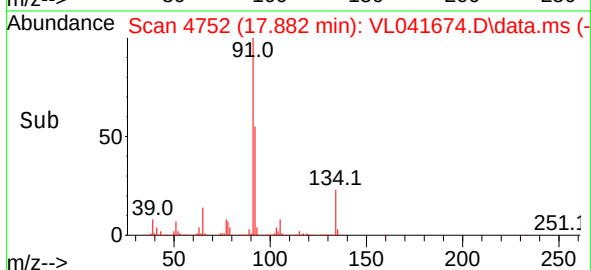
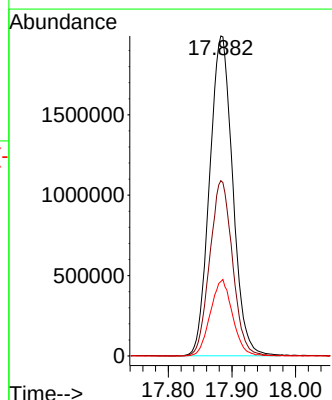
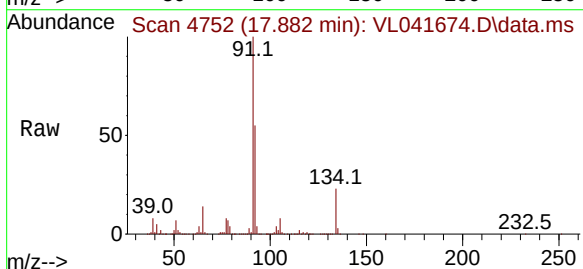
Tgt Ion: 91 Resp: 5021145

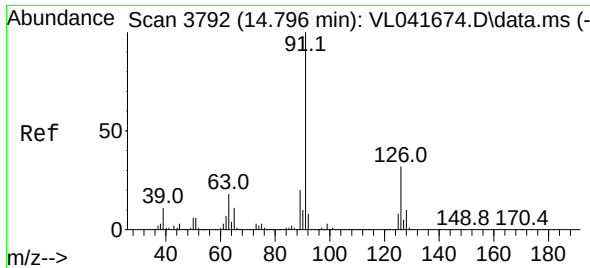
Ion Ratio Lower Upper

91 100

92 54.1 43.3 64.9

134 23.0 18.4 27.6

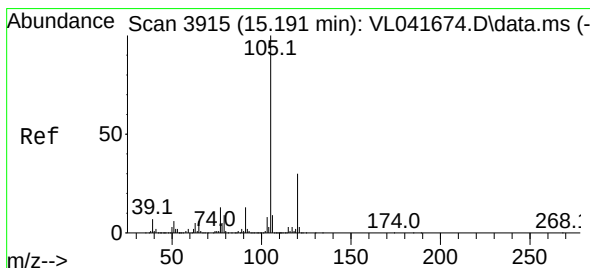
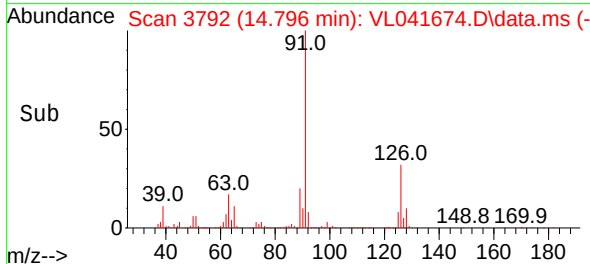
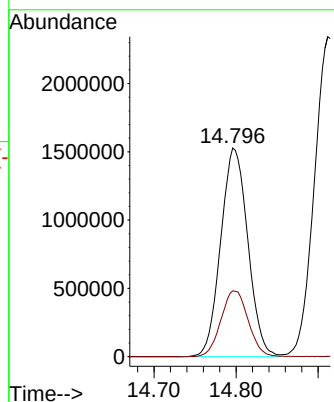
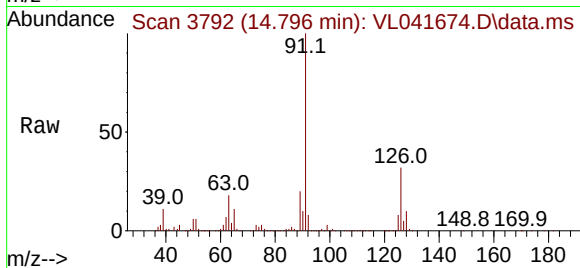




#71
2-Chlorotoluene
Concen: 8.656 ppbv
RT: 14.796 min Scan# 3792
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

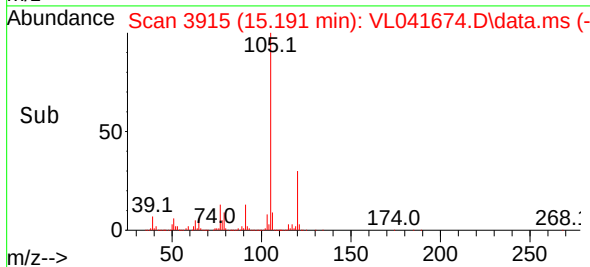
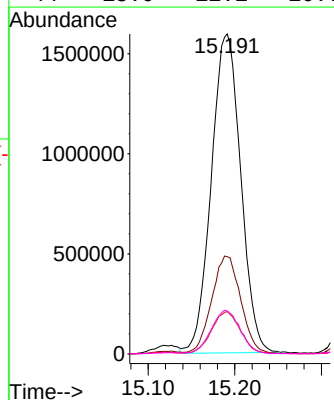
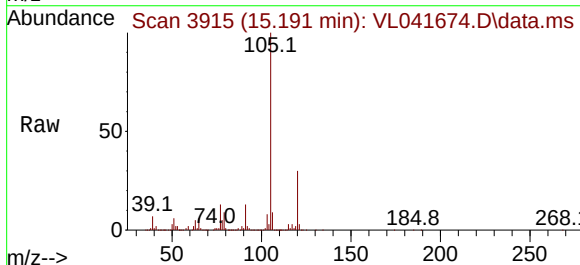
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

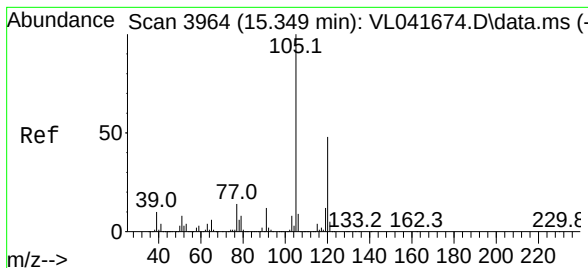
Tgt Ion: 91 Resp: 3508288
Ion Ratio Lower Upper
91 100
126 31.9 12.8 51.0



#72
4-Ethyltoluene
Concen: 8.925 ppbv
RT: 15.191 min Scan# 3915
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

Tgt Ion:105 Resp: 3763123
Ion Ratio Lower Upper
105 100
120 31.2 25.0 37.4
91 13.2 10.6 15.8
77 13.9 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 8.703 ppbv

RT: 15.349 min Scan# 3964

Delta R.T. 0.000 min

Lab File: VL041674.D

Acq: 7 Nov 2024 10:15

Instrument :

MSVOA_1

ClientSampleId :

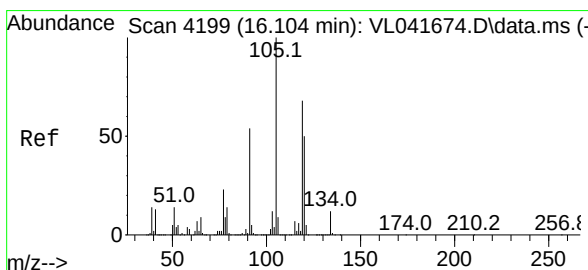
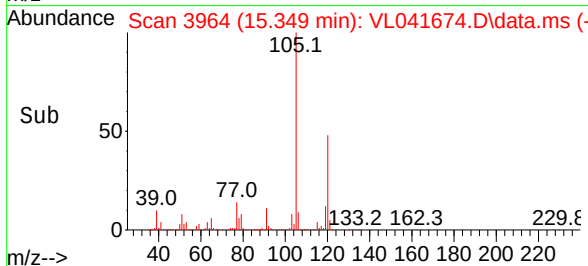
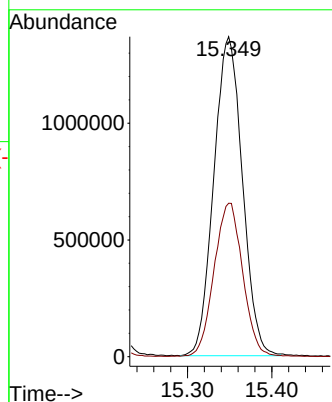
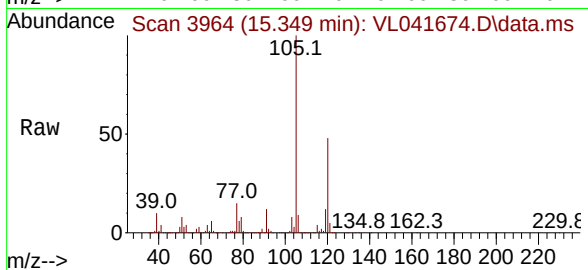
VSTDICCC010

Tgt Ion:105 Resp: 3217635

Ion Ratio Lower Upper

105 100

120 48.0 38.4 57.6



#74

1,2,4-Trimethylbenzene

Concen: 8.285 ppbv

RT: 16.104 min Scan# 4199

Delta R.T. 0.000 min

Lab File: VL041674.D

Acq: 7 Nov 2024 10:15

Tgt Ion:105 Resp: 3563067

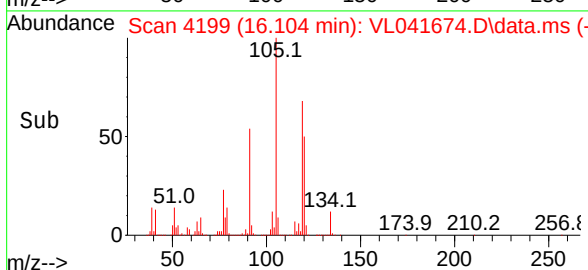
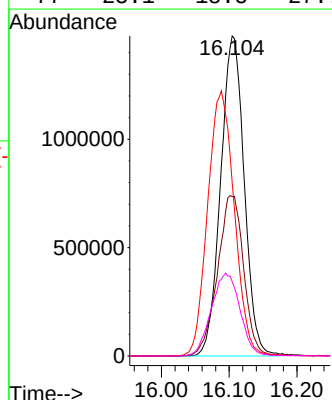
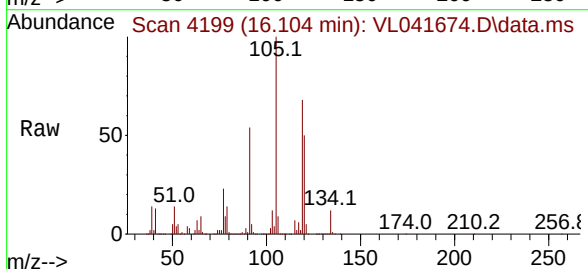
Ion Ratio Lower Upper

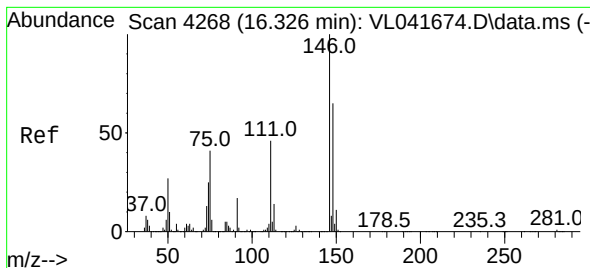
105 100

120 49.8 39.8 59.8

91 54.0 43.2 64.8

77 23.1 18.5 27.7





#75

1,3-Dichlorobenzene

Concen: 8.255 ppbv

RT: 16.326 min Scan# 4268

Delta R.T. 0.000 min

Lab File: VL041674.D

Acq: 7 Nov 2024 10:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

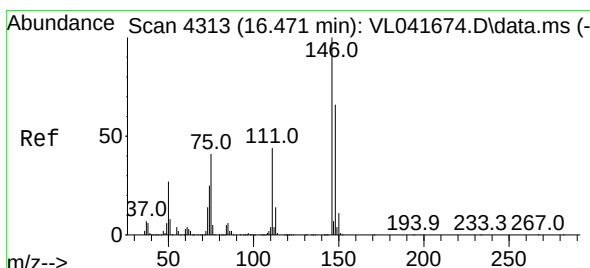
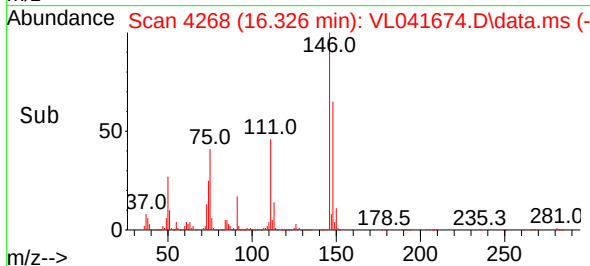
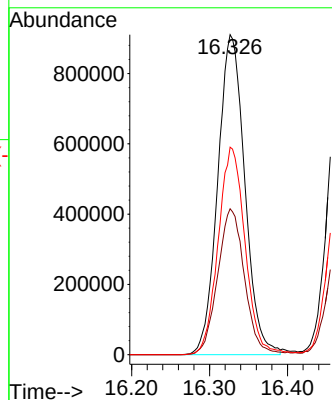
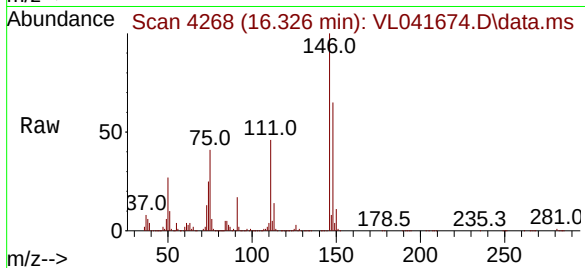
Tgt Ion:146 Resp: 2192903

Ion Ratio Lower Upper

146 100

111 45.5 22.8 68.3

148 64.7 32.4 97.0



#76

1,4-Dichlorobenzene

Concen: 8.216 ppbv

RT: 16.471 min Scan# 4313

Delta R.T. 0.000 min

Lab File: VL041674.D

Acq: 7 Nov 2024 10:15

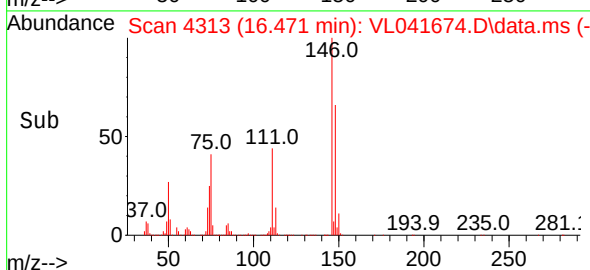
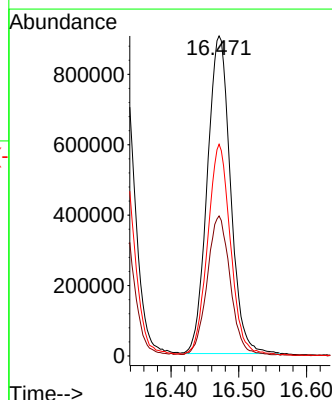
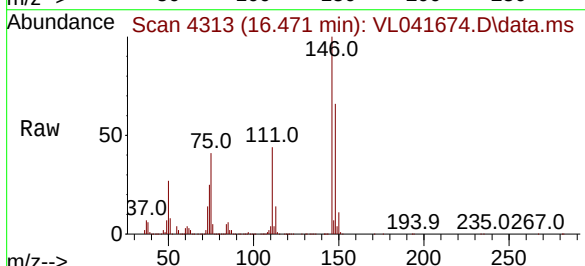
Tgt Ion:146 Resp: 2144446

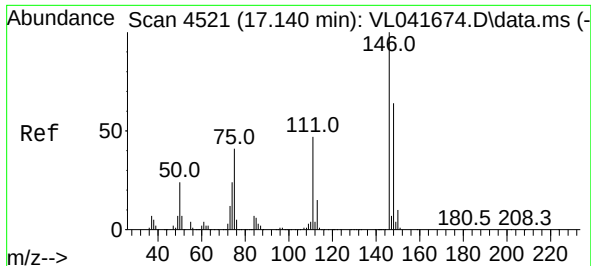
Ion Ratio Lower Upper

146 100

111 44.2 22.1 66.3

148 66.5 33.3 99.8

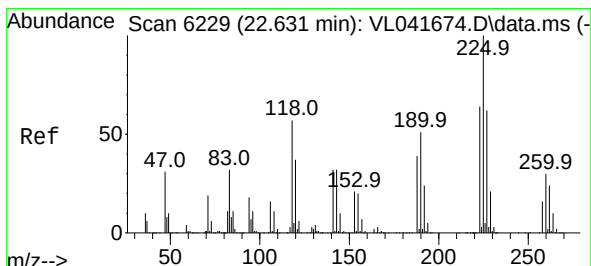
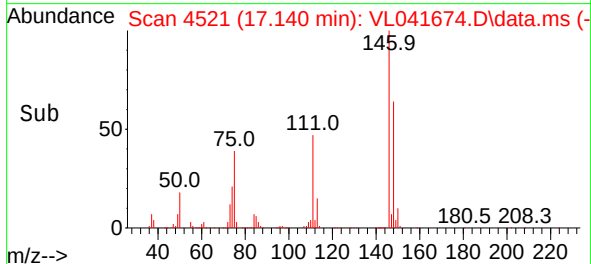
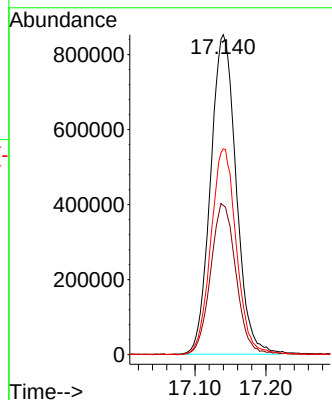
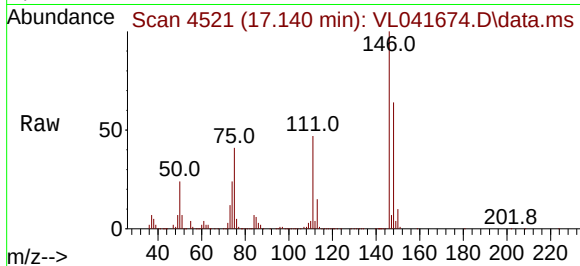




#77
1,2-Dichlorobenzene
Concen: 8.107 ppbv
RT: 17.140 min Scan# 4521
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

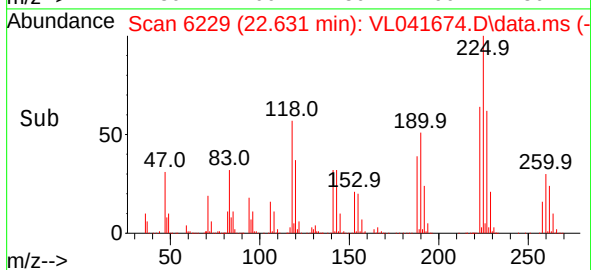
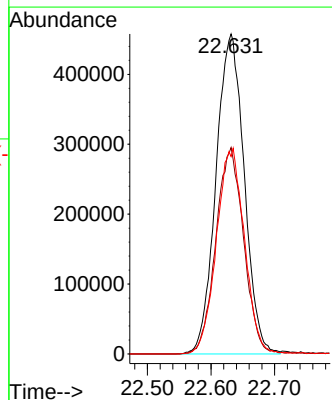
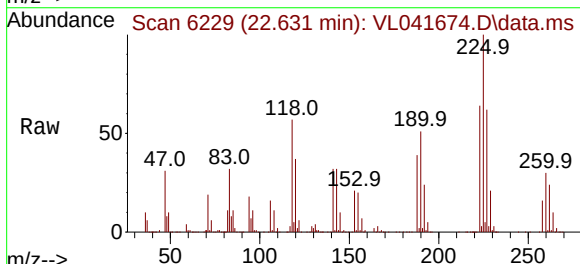
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

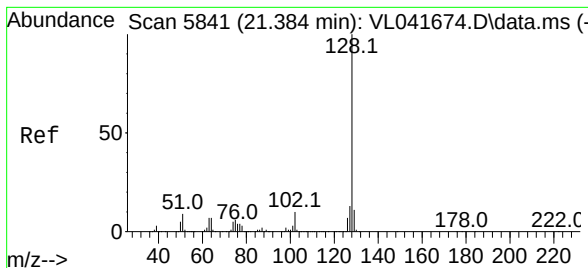
Tgt Ion:146 Resp: 2138612
Ion Ratio Lower Upper
146 100
111 46.9 23.4 70.3
148 64.3 32.1 96.5



#78
Hexachloro-1,3-Butadiene
Concen: 6.753 ppbv
RT: 22.631 min Scan# 6229
Delta R.T. 0.000 min
Lab File: VL041674.D
Acq: 7 Nov 2024 10:15

Tgt Ion:225 Resp: 1409325
Ion Ratio Lower Upper
225 100
223 63.9 51.1 76.7
227 64.1 51.3 76.9





#79

Naphthalene

Concen: 10.463 ppbv

RT: 21.384 min Scan# 5841

Delta R.T. 0.000 min

Lab File: VL041674.D

Acq: 7 Nov 2024 10:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

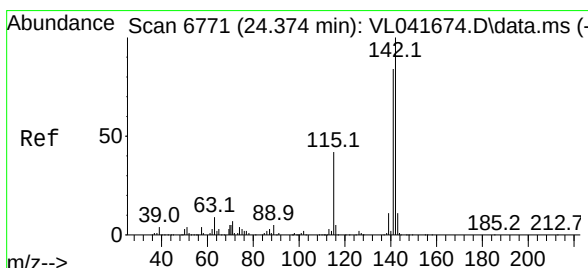
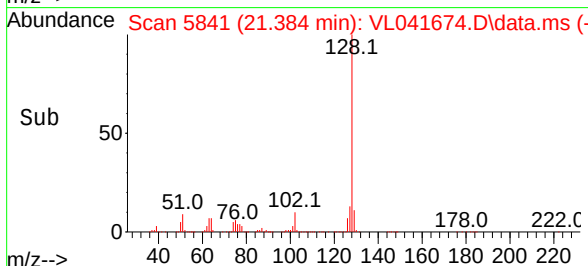
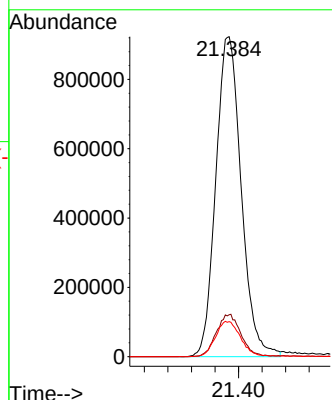
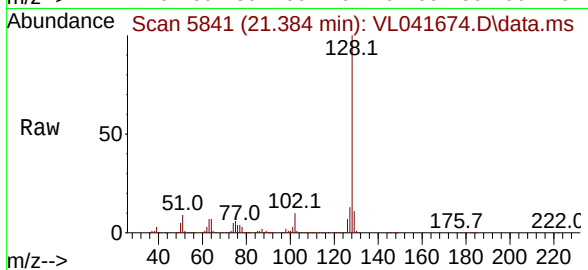
Tgt Ion:128 Resp: 2767333

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

129 10.9 8.7 13.1



#80

Naphthalene,2-methyl-

Concen: 9.497 ppbv

RT: 24.374 min Scan# 6771

Delta R.T. 0.000 min

Lab File: VL041674.D

Acq: 7 Nov 2024 10:15

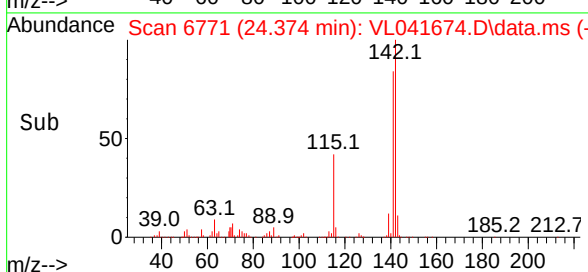
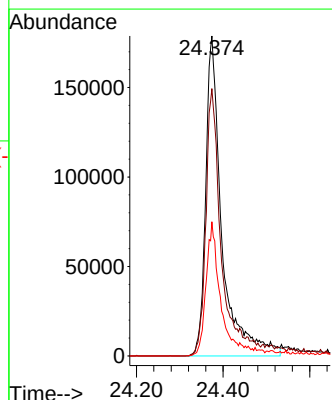
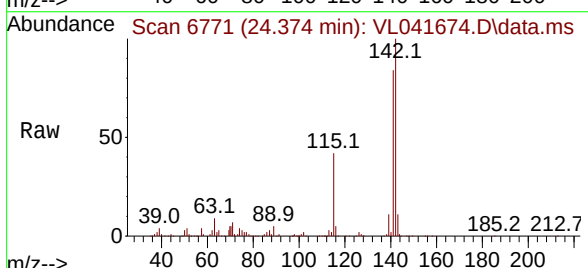
Tgt Ion:142 Resp: 466005

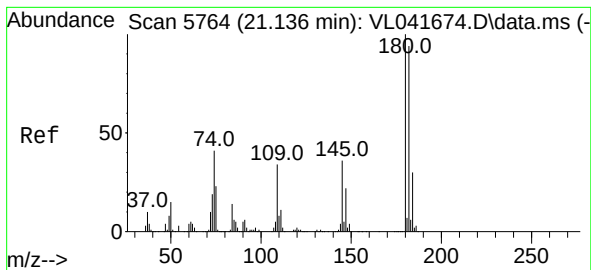
Ion Ratio Lower Upper

142 100

141 85.1 68.1 102.1

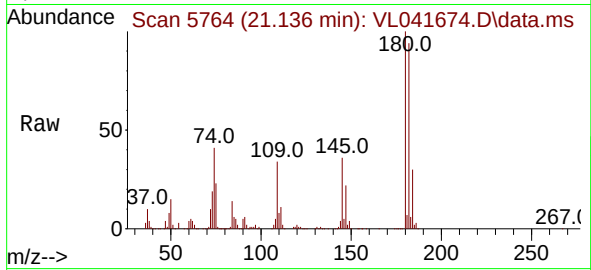
115 41.4 33.1 49.7





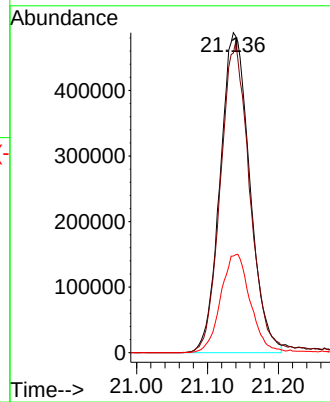
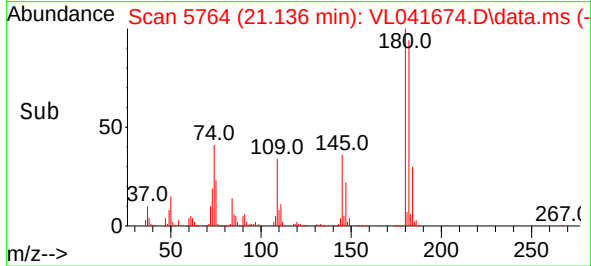
#81
 1,2,4-Trichlorobenzene
 Concen: 8.603 ppbv
 RT: 21.136 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VL041674.D
 Acq: 7 Nov 2024 10:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010



Tgt Ion:180 Resp: 1415249

Ion	Ratio	Lower	Upper
180	100		
182	97.7	78.2	117.2
184	31.2	25.0	37.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
 Data File : VL041675.D
 Acq On : 7 Nov 2024 10:55
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Quant Time: Nov 08 00:09:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Nov 08 00:07:44 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.185	49	1208732	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	3351063	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	3155486	10.000	ppbv	# 0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.773	95	2278471	9.764	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.600%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.726	85	514444	2.355	ppbv	97
3) Chlorodifluoromethane	2.671	51	328832	2.088	ppbv	99
4) Chloromethane	2.806	50	174215	2.088	ppbv	98
5) Vinyl Chloride	2.915	62	164345	2.174	ppbv	95
6) Bromomethane	3.115	94	83930	2.108	ppbv	95
7) Chloroethane	3.192	64	56344	2.057	ppbv	95
8) Dichlorotetrafluoroethane	2.851	85	407437	2.089	ppbv	100
9) Propene	2.690	41	145858	2.125	ppbv	96
10) Heptane	7.574	43	329781	2.145	ppbv	100
11) Trichlorofluoromethane	3.558	101	404483	2.126	ppbv	96
12) 1,1,2-Trichlorotrifluo...	4.060	101	293463	2.122	ppbv	100
13) Ethanol	3.253	45	6143	1.439	ppbv #	40
14) Bromoethene	3.362	108	115140	2.071	ppbv	97
15) Acetone	3.468	43	325763	2.190	ppbv	98
16) 1,3-Butadiene	2.980	39	166496	2.232	ppbv	100
17) tert-Butyl alcohol	3.880	59	250452	1.919	ppbv	100
18) 1,1-Dichloroethene	3.877	96	125850	2.075	ppbv	97
19) Isopropyl Alcohol	3.581	45	145112	2.015	ppbv #	98
20) Methylene Chloride	3.928	84	107956	1.972	ppbv	95
21) Allyl Chloride	3.992	41	188103	2.046	ppbv	93
22) trans-1,2-Dichloroethene	4.439	96	127951	2.114	ppbv	97
23) Vinyl Acetate	4.623	43	146592	2.095	ppbv	99
24) 1,1-Dichloroethane	4.555	63	311096	2.311	ppbv	99
25) Ethyl Acetate	5.201	43	648134	2.105	ppbv	99
26) Hexane	5.205	57	247802	2.095	ppbv	93
27) Carbon Disulfide	4.121	76	275871	2.076	ppbv #	92
28) Methyl tert-Butyl Ether	4.587	73	178647	2.345	ppbv	100
29) Chloroform	5.269	83	397794	2.037	ppbv	98
30) Cyclohexane	6.594	84	205987	2.167	ppbv	95
31) cis-1,2-Dichloroethene	5.073	61	231792	2.037	ppbv	95
32) 1,1,1-Trichloroethane	5.996	97	391289	2.186	ppbv	99
34) 2-Butanone	4.783	43	351257	2.105	ppbv	97
35) Carbon Tetrachloride	6.491	117	399871	2.257	ppbv	99
36) Benzene	6.368	78	538471	2.169	ppbv	96
37) 1,2-Dichloroethane	5.803	62	291330	2.080	ppbv	100
38) Trichloroethene	7.285	130	214170	2.237	ppbv	96
39) 1,2-Dichloropropane	7.069	63	206245	2.102	ppbv	97
40) 1,4-Dioxane	7.291	88	34545	0.994	ppbv #	1
41) Tetrahydrofuran	5.561	42	206889	2.173	ppbv	99
42) Bromodichloromethane	7.243	83	411846	2.116	ppbv	100
43) Methyl Methacrylate	7.471	69	186557	2.140	ppbv	95
44) 2,2,4-Trimethylpentane	7.323	57	932386	2.217	ppbv	99
45) t-1,3-Dichloropropene	8.709	75	150360	1.929	ppbv	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
 Data File : VL041675.D
 Acq On : 7 Nov 2024 10:55
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

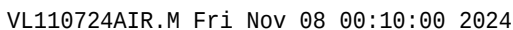
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 ClientSampleId :
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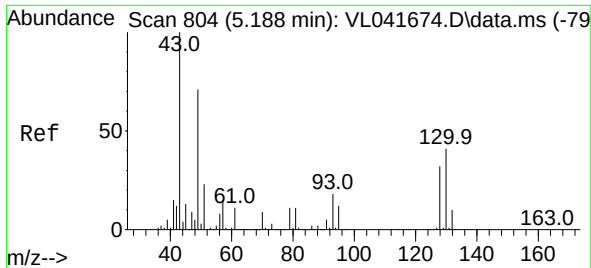
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 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Nov 08 00:07:44 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.137	75	234294	2.069	ppbv	98
47) 1,1,2-Trichloroethane	8.893	97	122915	1.162	ppbv	94
48) Dibromochloromethane	9.703	129	342372	2.121	ppbv	99
49) Bromoform	12.404	173	286412	2.080	ppbv	99
50) 4-Methyl-2-Pentanone	8.185	43	563317	2.198	ppbv	99
51) 2-Hexanone	9.558	43	402751	2.163	ppbv	97
52) Tetrachloroethene	10.606	164	105734	1.246	ppbv	98
53) Toluene	9.220	91	564332	2.161	ppbv	100
54) 1,2-Dibromoethane	10.005	107	279460	2.262	ppbv	95
56) 1,1,1,2-Tetrachloroethane	11.507	131	279872	2.130	ppbv #	1
57) Chlorobenzene	11.519	112	500524	2.128	ppbv	98
58) Ethyl Benzene	12.085	91	777614	2.225	ppbv	96
59) m/p-Xylene	12.368	91	715565	2.288	ppbv #	35
60) o-Xylene	13.053	91	674003	2.258	ppbv	98
61) Styrene	12.892	104	262837	2.133	ppbv	98
62) Isopropylbenzene	14.024	105	1030511	2.236	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.043	83	488021	2.245	ppbv	99
64) n-propylbenzene	14.915	120	271271	2.251	ppbv	94
65) tert-Butylbenzene	16.085	119	948395	2.290	ppbv	99
66) Benzyl Chloride	16.326	91	52484	1.759	ppbv #	96
67) sec-Butylbenzene	16.632	105	1349679	2.312	ppbv	99
69) p-Isopropyltoluene	16.992	119	1097205	2.324	ppbv	99
70) n-Butylbenzene	17.886	91	1109618	2.293	ppbv	99
71) 2-Chlorotoluene	14.796	91	745884	2.238	ppbv	100
72) 4-Ethyltoluene	15.188	105	777952	2.244	ppbv	100
73) 1,3,5-Trimethylbenzene	15.346	105	691387	2.274	ppbv	93
74) 1,2,4-Trimethylbenzene	16.101	105	796450	2.252	ppbv	96
75) 1,3-Dichlorobenzene	16.329	146	473241	2.167	ppbv	99
76) 1,4-Dichlorobenzene	16.471	146	448788	2.091	ppbv	97
77) 1,2-Dichlorobenzene	17.140	146	466190	2.149	ppbv	98
78) Hexachloro-1,3-Butadiene	22.628	225	367865	2.144	ppbv	99
79) Naphthalene	21.387	128	538842	2.478	ppbv	97
80) Naphthalene,2-methyl-	24.381	142	101409	2.513	ppbv	96
81) 1,2,4-Trichlorobenzene	21.143	180	287687	2.127	ppbv	99

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

Quant Time: Nov 08 00:09:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
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QLast Update : Fri Nov 08 00:07:44 2024
Response via : Initial Calibration

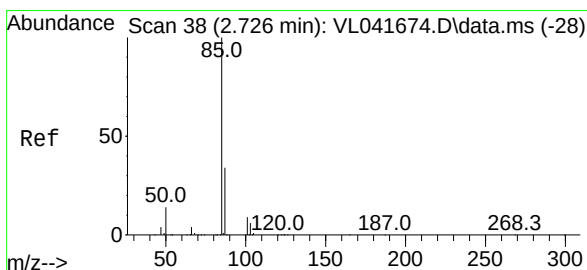
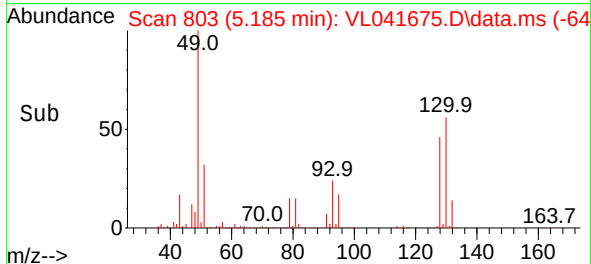
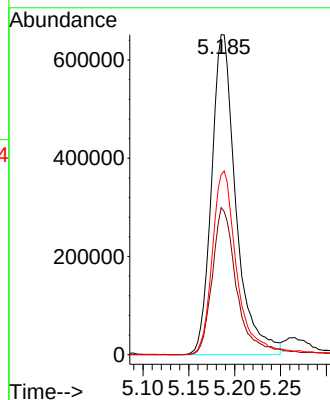
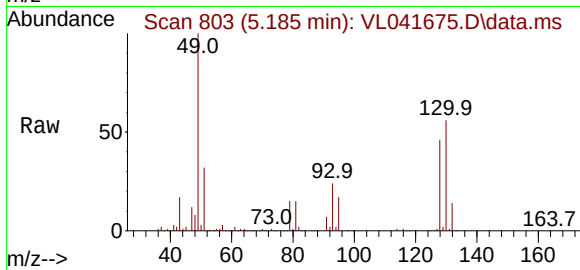




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.185 min Scan# 80
Delta R.T. -0.003 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

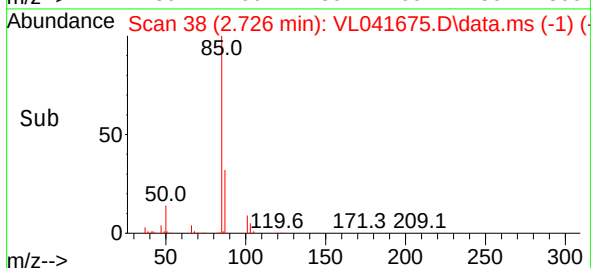
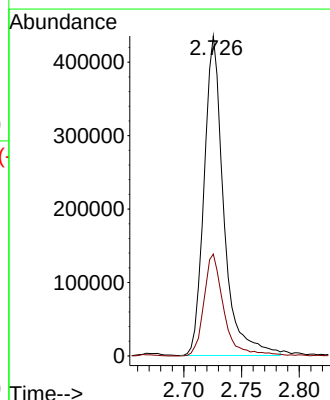
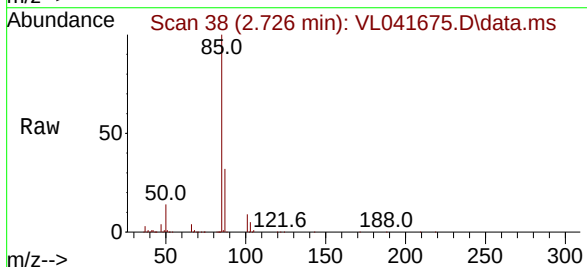
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

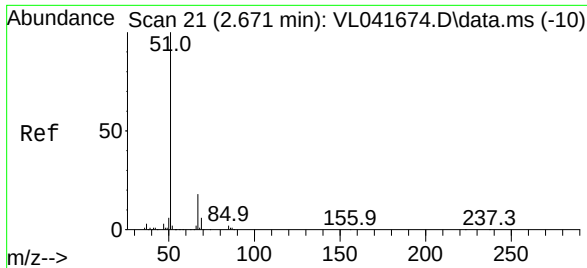
Tgt Ion: 49 Resp: 1208732
Ion Ratio Lower Upper
49 100
128 47.2 23.8 71.2
130 59.8 30.1 90.5



#2
Dichlorodifluoromethane
Concen: 2.355 ppbv
RT: 2.726 min Scan# 38
Delta R.T. 0.000 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

Tgt Ion: 85 Resp: 514444
Ion Ratio Lower Upper
85 100
87 31.9 26.8 40.2

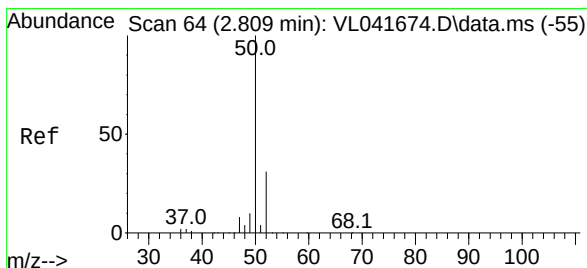
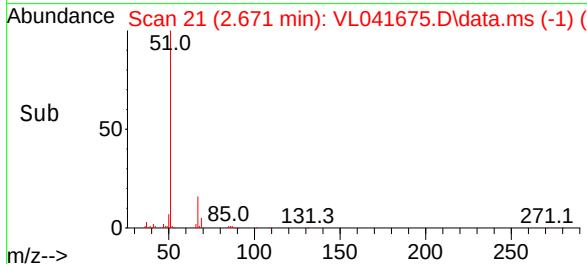
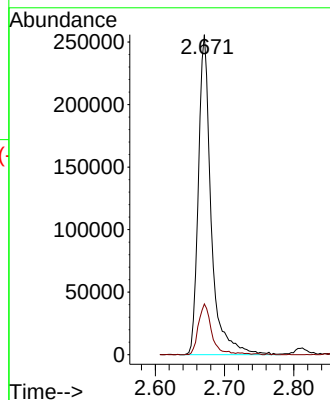
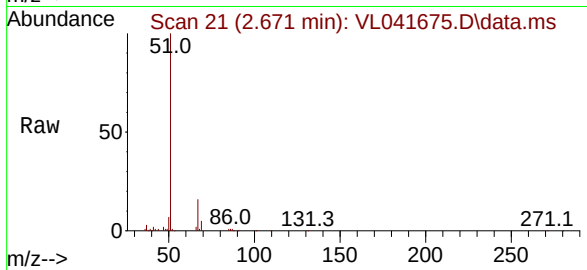




#3
 Chlorodifluoromethane
 Concen: 2.088 ppbv
 RT: 2.671 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VL041675.D
 Acq: 7 Nov 2024 10:55

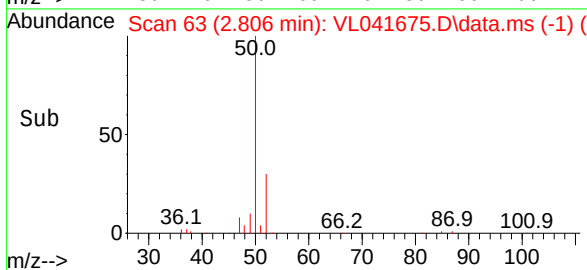
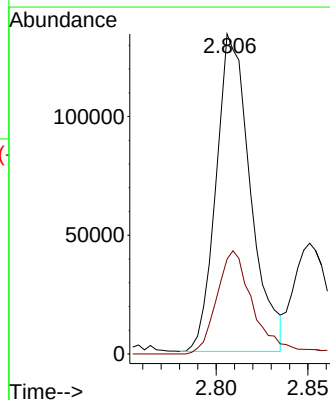
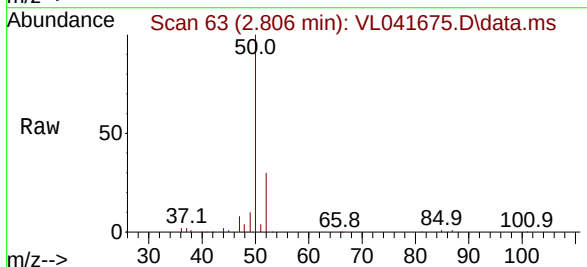
Instrument :
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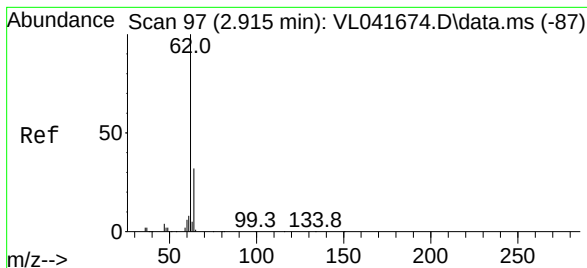
Tgt Ion: 51 Resp: 328832
 Ion Ratio Lower Upper
 51 100
 67 16.9 13.9 20.9



#4
 Chloromethane
 Concen: 2.088 ppbv
 RT: 2.806 min Scan# 63
 Delta R.T. -0.003 min
 Lab File: VL041675.D
 Acq: 7 Nov 2024 10:55

Tgt Ion: 50 Resp: 174215
 Ion Ratio Lower Upper
 50 100
 52 29.9 24.9 37.3

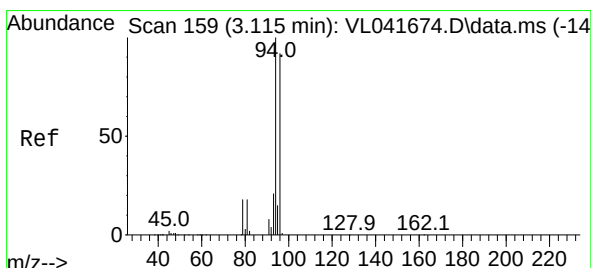
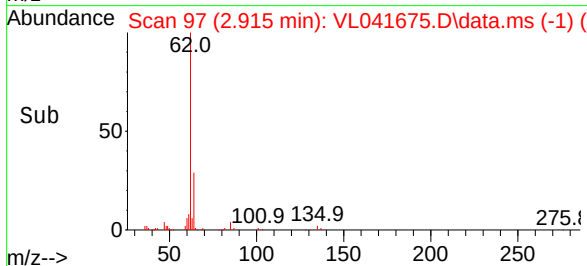
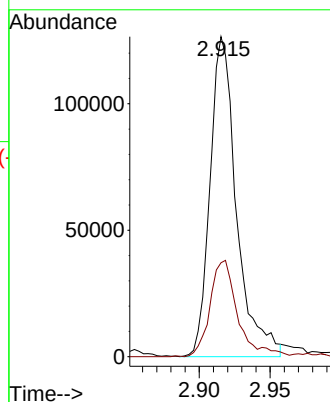
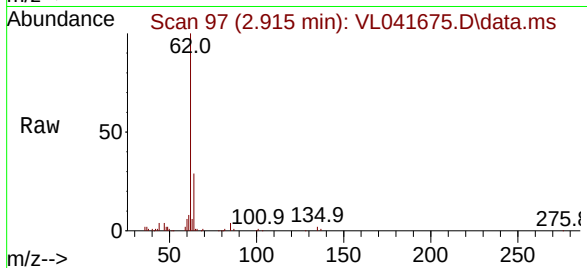




#5
 Vinyl Chloride
 Concen: 2.174 ppbv
 RT: 2.915 min Scan# 97
 Delta R.T. 0.000 min
 Lab File: VL041675.D
 Acq: 7 Nov 2024 10:55

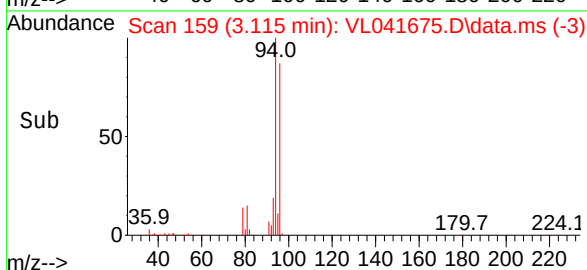
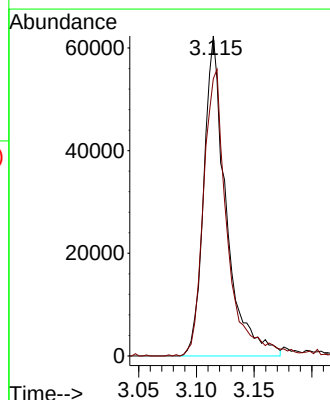
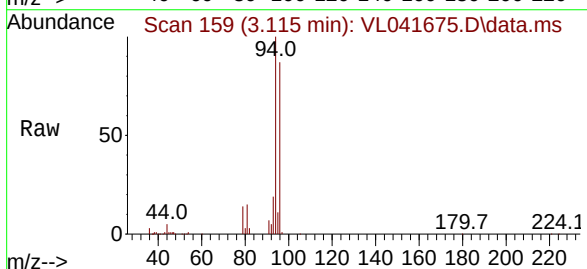
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

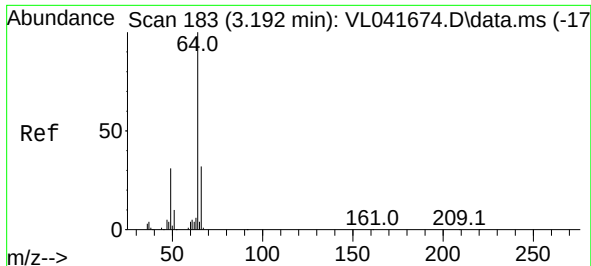
Tgt Ion: 62 Resp: 164345
 Ion Ratio Lower Upper
 62 100
 64 29.2 25.4 38.2



#6
 Bromomethane
 Concen: 2.108 ppbv
 RT: 3.115 min Scan# 159
 Delta R.T. 0.000 min
 Lab File: VL041675.D
 Acq: 7 Nov 2024 10:55

Tgt Ion: 94 Resp: 83930
 Ion Ratio Lower Upper
 94 100
 96 86.6 73.4 110.2

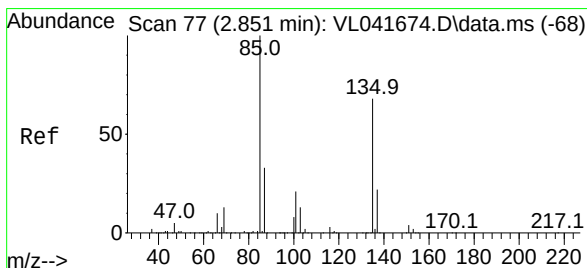
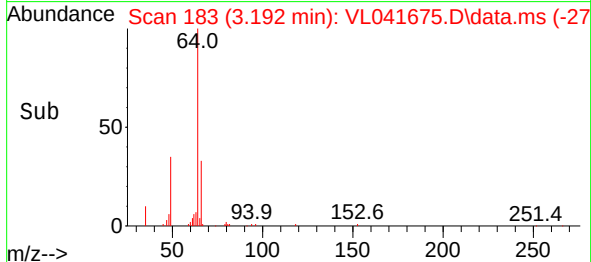
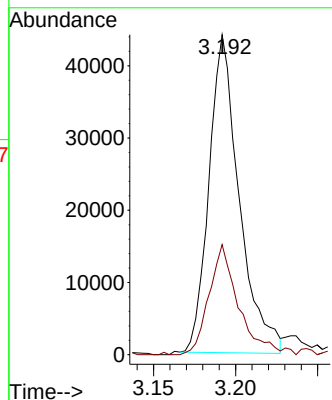
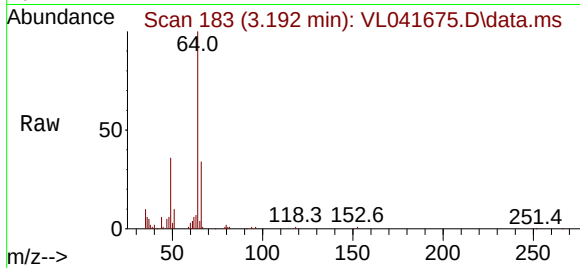




#7
Chloroethane
Concen: 2.057 ppbv
RT: 3.192 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

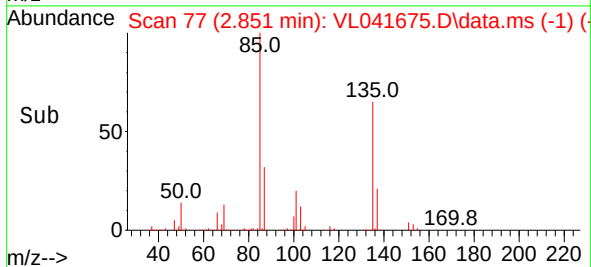
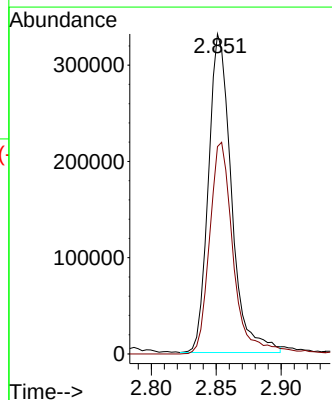
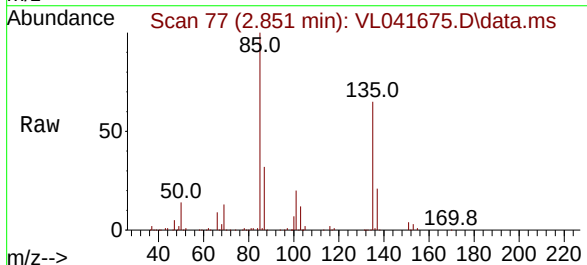
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ClientSampleId :
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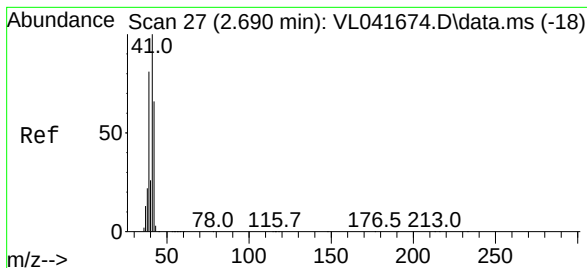
Tgt Ion: 64 Resp: 56344
Ion Ratio Lower Upper
64 100
66 35.0 25.9 38.9



#8
Dichlorotetrafluoroethane
Concen: 2.089 ppbv
RT: 2.851 min Scan# 77
Delta R.T. 0.000 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

Tgt Ion: 85 Resp: 407437
Ion Ratio Lower Upper
85 100
135 69.7 55.5 83.3





#9

Propene

Concen: 2.125 ppbv

RT: 2.690 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_L

ClientSampleId :

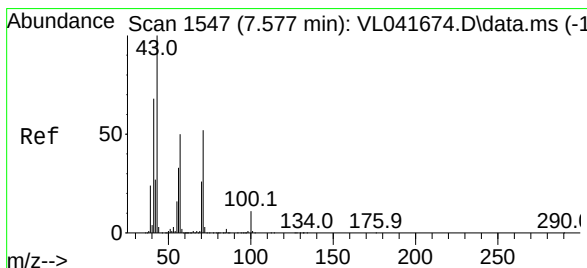
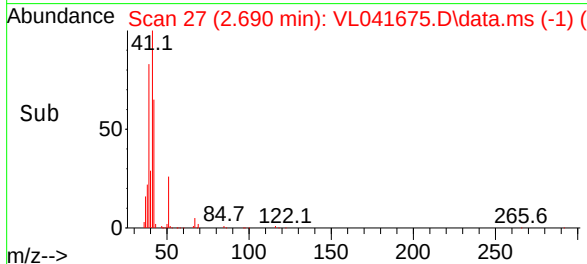
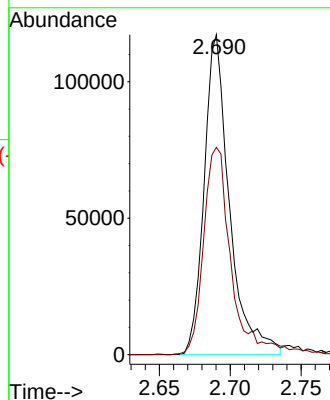
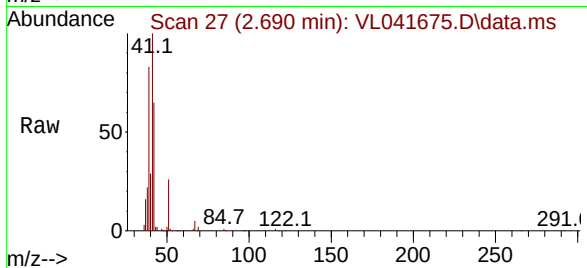
VSTDICC002

Tgt Ion: 41 Resp: 145858

Ion Ratio Lower Upper

41 100

42 71.6 55.0 82.4



#10

Heptane

Concen: 2.145 ppbv

RT: 7.574 min Scan# 1546

Delta R.T. -0.003 min

Lab File: VL041675.D

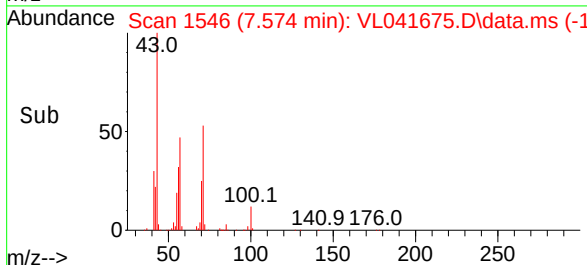
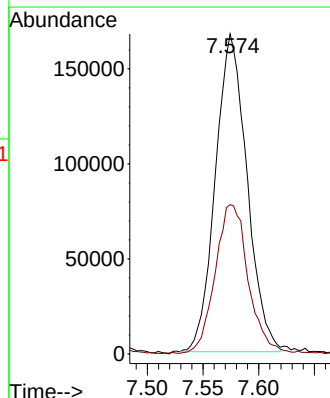
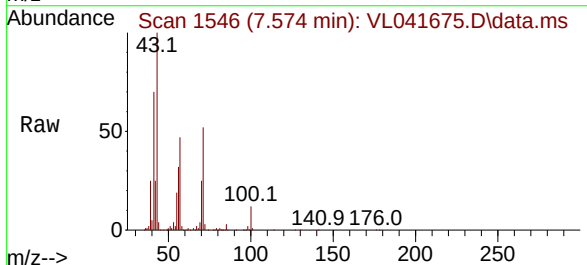
Acq: 7 Nov 2024 10:55

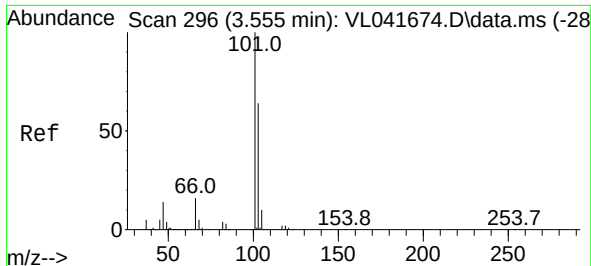
Tgt Ion: 43 Resp: 329781

Ion Ratio Lower Upper

43 100

57 50.1 40.0 60.0





#11

Trichlorofluoromethane

Concen: 2.126 ppbv

RT: 3.558 min Scan# 296

Delta R.T. 0.003 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_L

ClientSampleId :

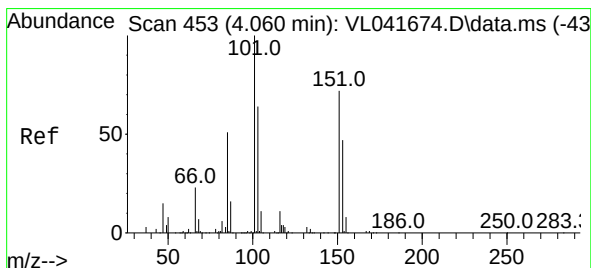
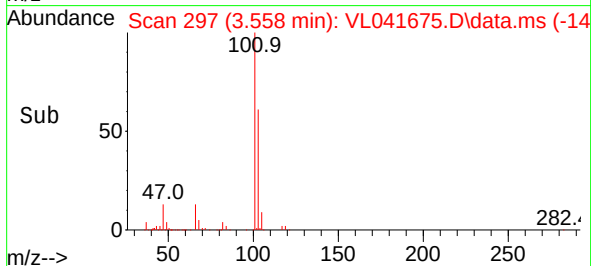
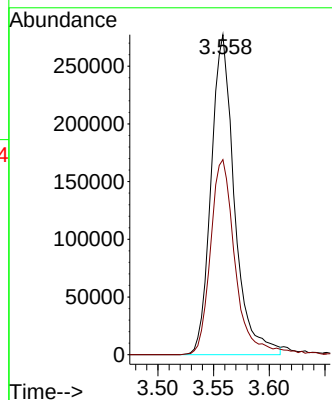
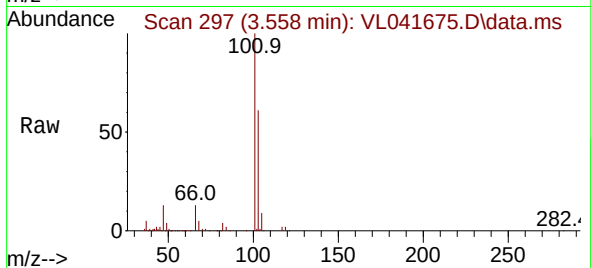
VSTDIC002

Tgt Ion:101 Resp: 404483

Ion Ratio Lower Upper

101 100

103 61.0 51.0 76.6



#12

1,1,2-Trichlorotrifluoroethane

Concen: 2.122 ppbv

RT: 4.060 min Scan# 453

Delta R.T. 0.000 min

Lab File: VL041675.D

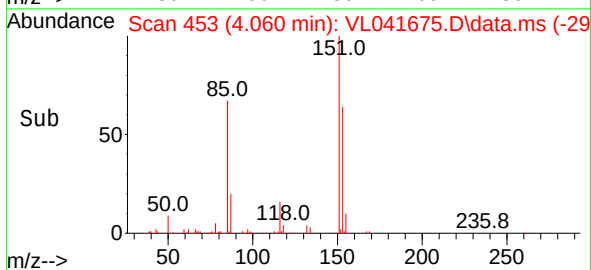
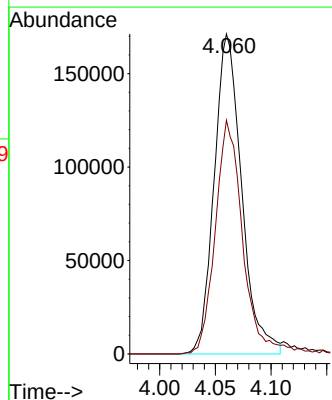
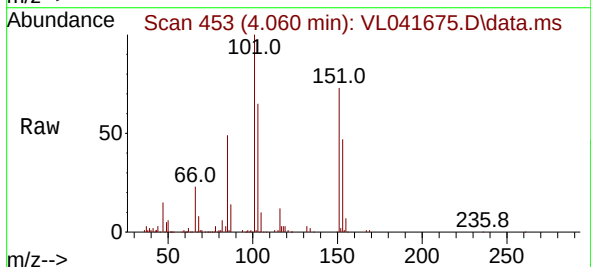
Acq: 7 Nov 2024 10:55

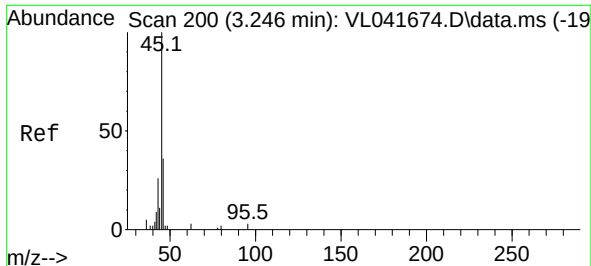
Tgt Ion:101 Resp: 293463

Ion Ratio Lower Upper

101 100

151 74.0 59.1 88.7

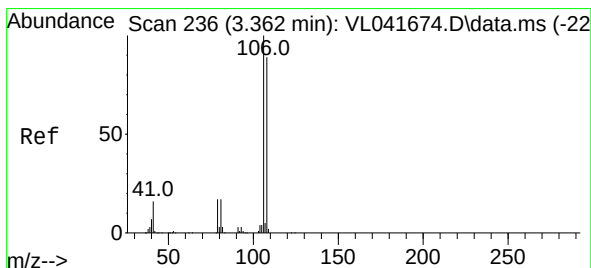
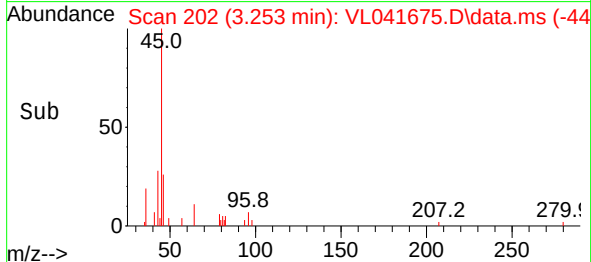
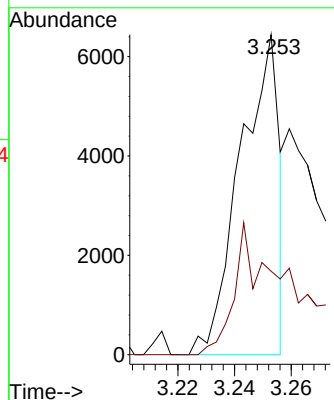
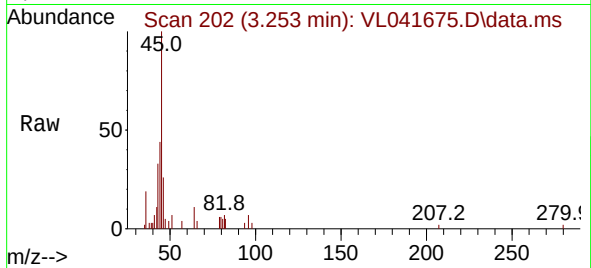




#13
Ethanol
Concen: 1.439 ppbv
RT: 3.253 min Scan# 200
Delta R.T. 0.006 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

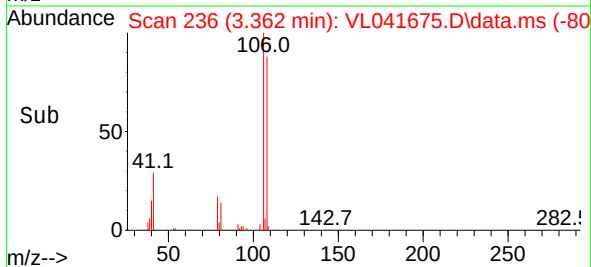
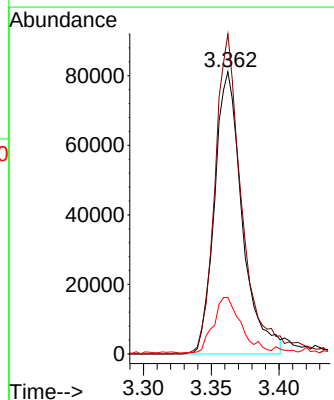
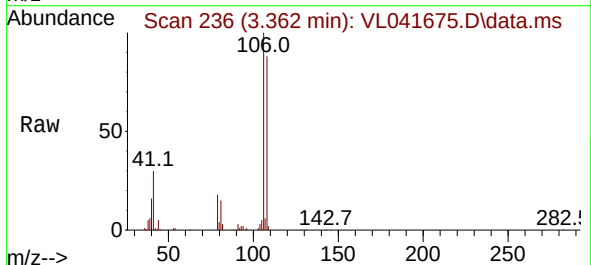
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

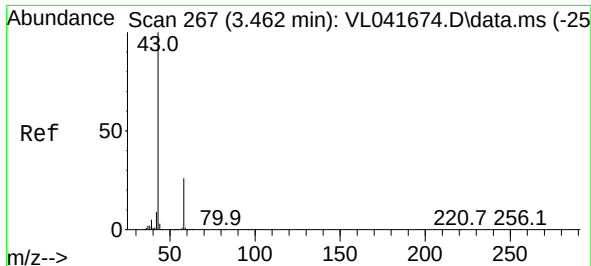
Tgt Ion: 45 Resp: 6143
Ion Ratio Lower Upper
45 100
46 69.3 13.8 55.2#



#14
Bromoethene
Concen: 2.071 ppbv
RT: 3.362 min Scan# 236
Delta R.T. 0.000 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

Tgt Ion:108 Resp: 115140
Ion Ratio Lower Upper
108 100
106 114.3 88.6 133.0
79 21.5 15.6 23.4





#15

Acetone

Concen: 2.190 ppbv

RT: 3.468 min Scan# 2

Delta R.T. 0.006 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_L

ClientSampleId :

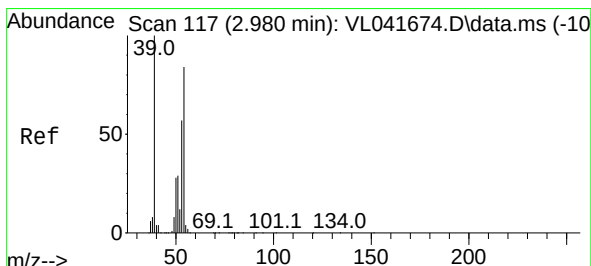
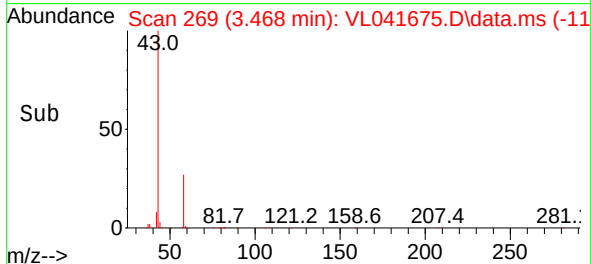
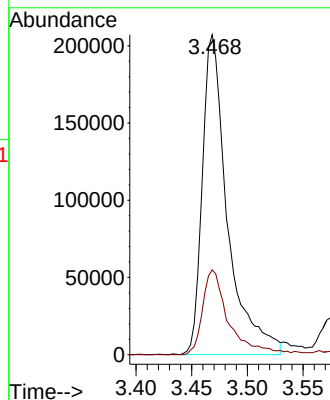
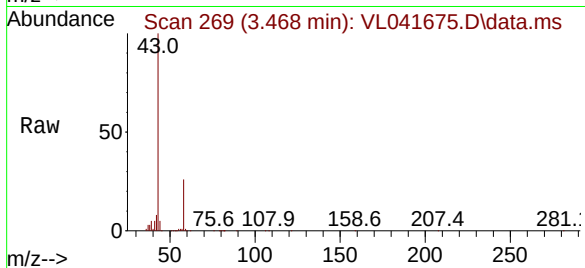
VSTDIC002

Tgt Ion: 43 Resp: 325763

Ion Ratio Lower Upper

43 100

58 27.9 21.4 32.0



#16

1,3-Butadiene

Concen: 2.232 ppbv

RT: 2.980 min Scan# 117

Delta R.T. 0.000 min

Lab File: VL041675.D

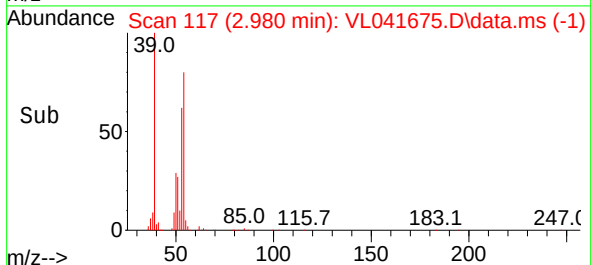
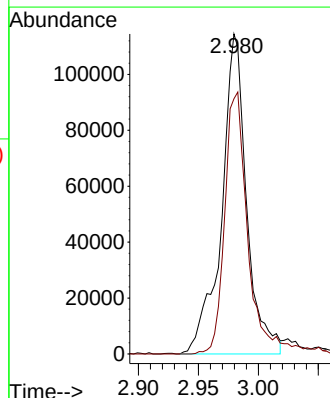
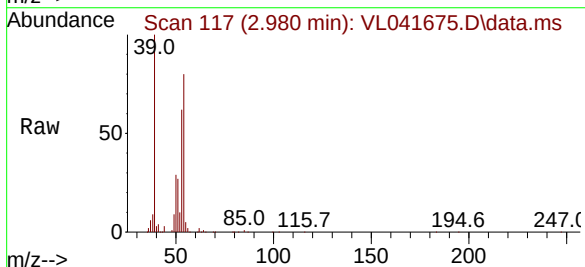
Acq: 7 Nov 2024 10:55

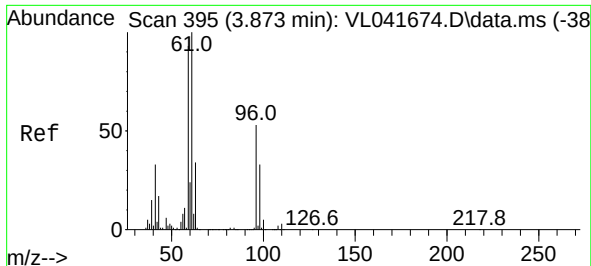
Tgt Ion: 39 Resp: 166496

Ion Ratio Lower Upper

39 100

54 76.8 61.3 91.9





#17

tert-Butyl alcohol

Concen: 1.919 ppbv

RT: 3.880 min Scan# 397

Delta R.T. 0.006 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_L

ClientSampleId :

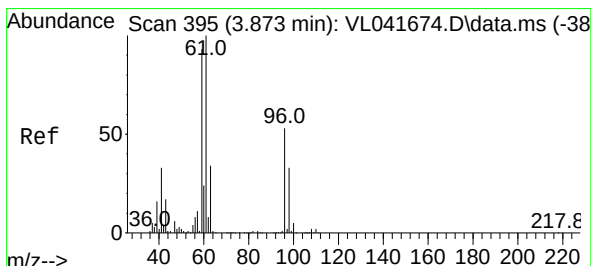
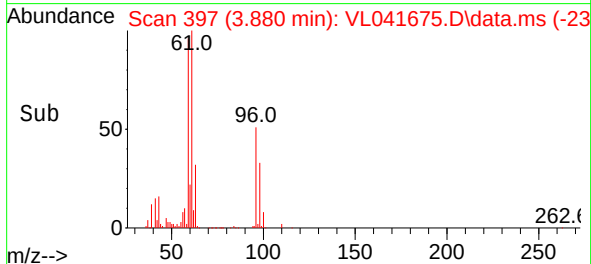
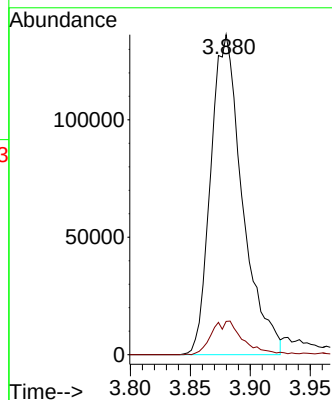
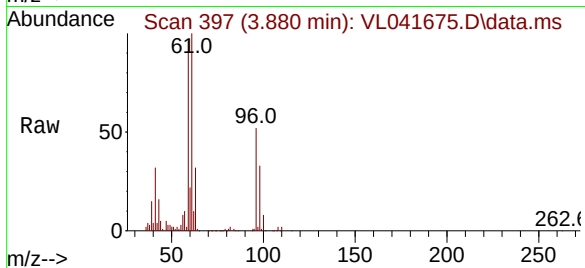
VSTDICC002

Tgt Ion: 59 Resp: 250452

Ion Ratio Lower Upper

59 100

57 10.6 8.5 12.7



#18

1,1-Dichloroethene

Concen: 2.075 ppbv

RT: 3.877 min Scan# 396

Delta R.T. 0.003 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

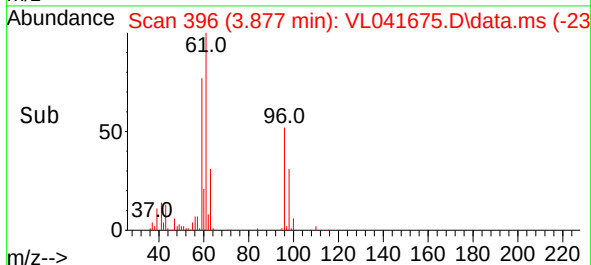
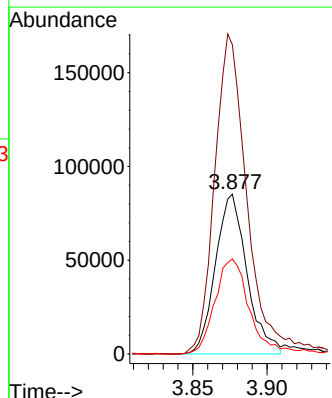
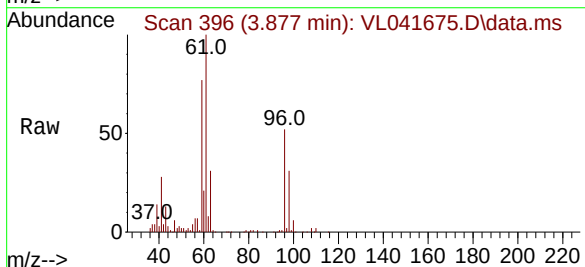
Tgt Ion: 96 Resp: 125850

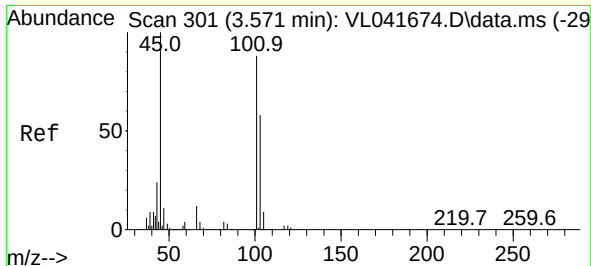
Ion Ratio Lower Upper

96 100

61 193.5 150.7 226.1

98 59.4 49.4 74.2





#19

Isopropyl Alcohol

Concen: 2.015 ppbv

RT: 3.581 min Scan# 301

Delta R.T. 0.010 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_L

ClientSampleId :

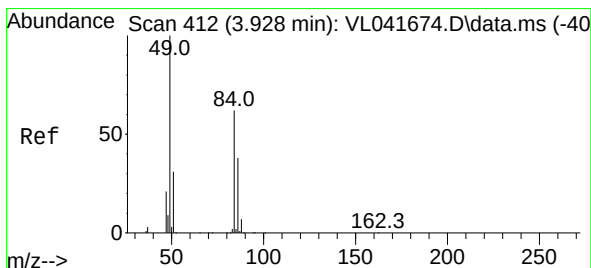
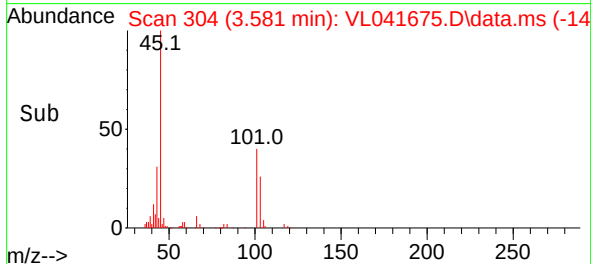
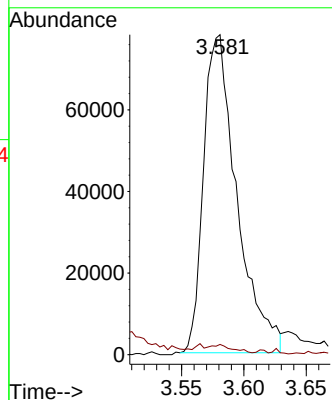
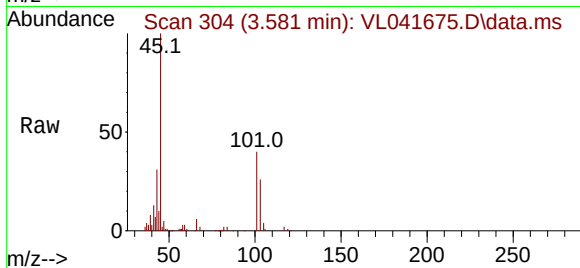
VSTDICC002

Tgt Ion: 45 Resp: 145112

Ion Ratio Lower Upper

45 100

58 3.8 2.5 3.7#



#20

Methylene Chloride

Concen: 1.972 ppbv

RT: 3.928 min Scan# 412

Delta R.T. 0.000 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Tgt Ion: 84 Resp: 107956

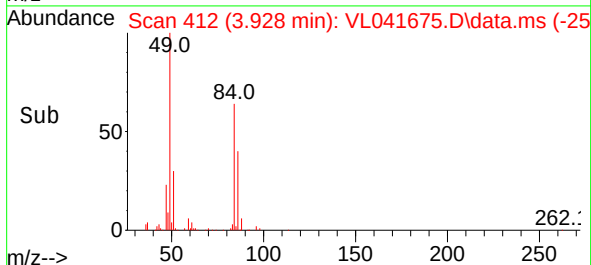
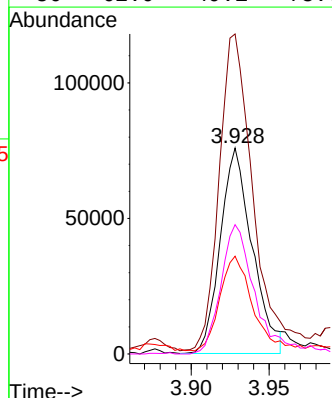
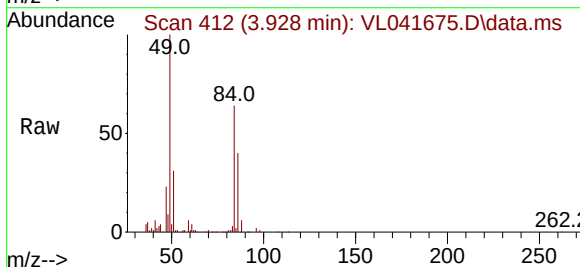
Ion Ratio Lower Upper

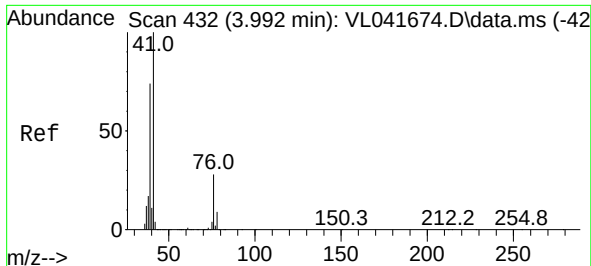
84 100

49 154.2 129.7 194.5

51 45.1 39.8 59.6

86 62.9 49.1 73.7

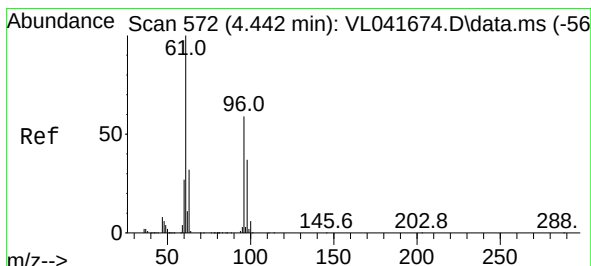
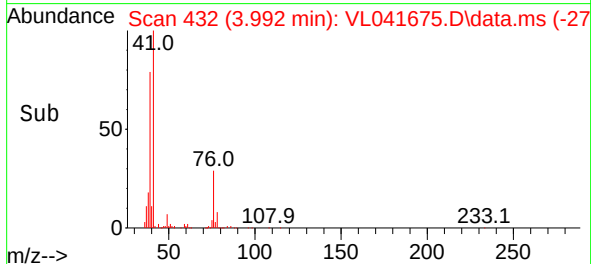
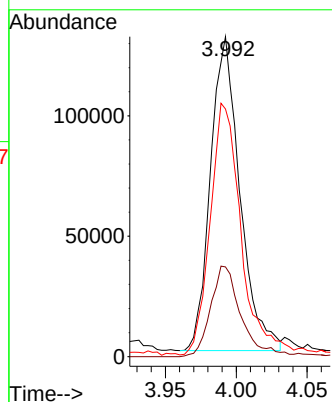
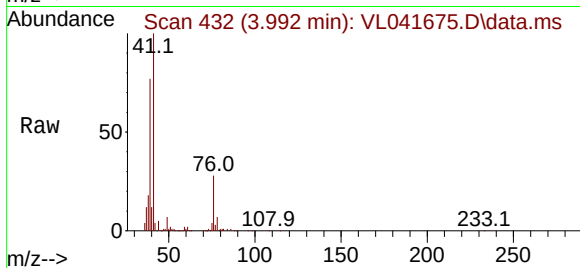




#21
 Allyl Chloride
 Concen: 2.046 ppbv
 RT: 3.992 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL041675.D
 Acq: 7 Nov 2024 10:55

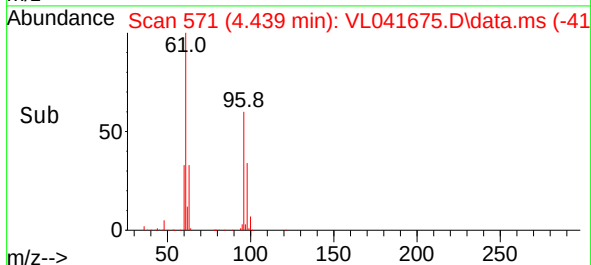
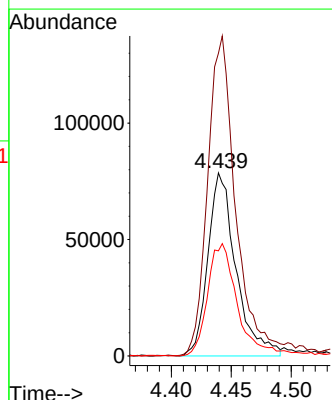
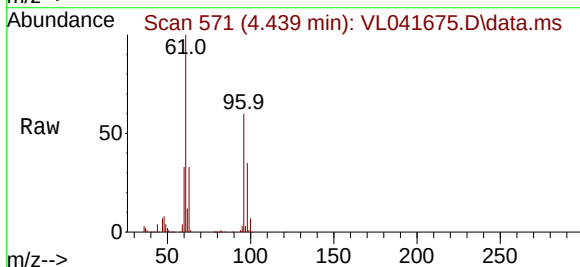
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

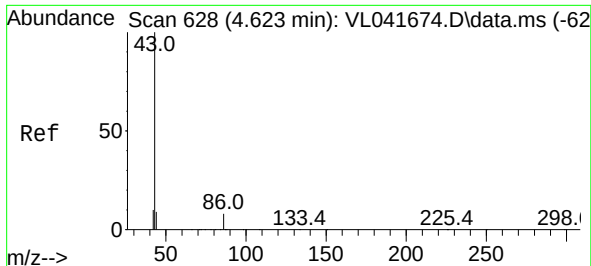
Tgt Ion: 41 Resp: 188103
 Ion Ratio Lower Upper
 41 100
 76 30.7 23.5 35.3
 39 86.5 63.0 94.4



#22
 trans-1,2-Dichloroethene
 Concen: 2.114 ppbv
 RT: 4.439 min Scan# 571
 Delta R.T. -0.003 min
 Lab File: VL041675.D
 Acq: 7 Nov 2024 10:55

Tgt Ion: 96 Resp: 127951
 Ion Ratio Lower Upper
 96 100
 61 164.9 134.5 201.7
 98 57.4 49.6 74.4



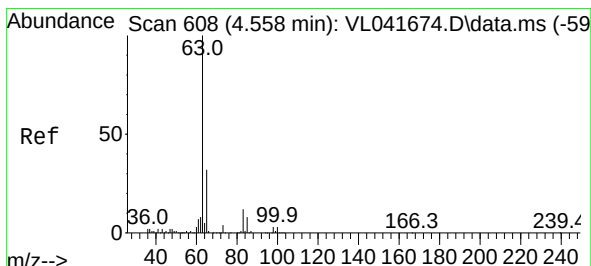
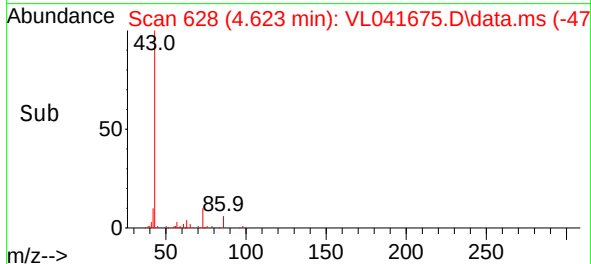
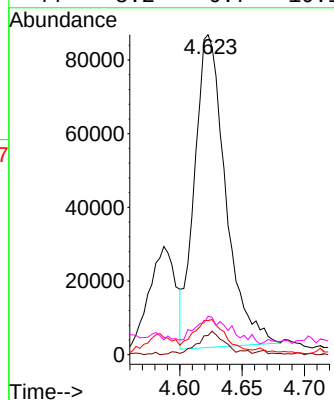
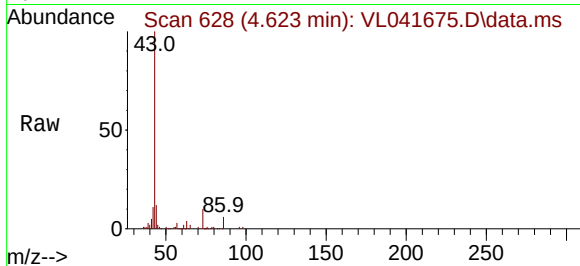


#23
 Vinyl Acetate
 Concen: 2.095 ppbv
 RT: 4.623 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL041675.D
 Acq: 7 Nov 2024 10:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Tgt Ion: 43 Resp: 146592

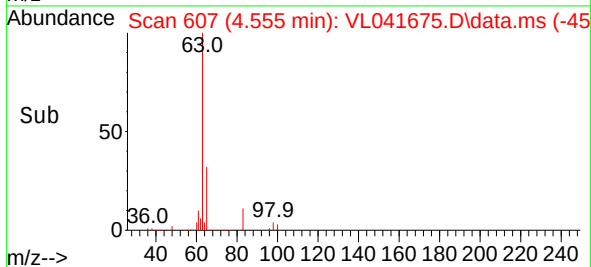
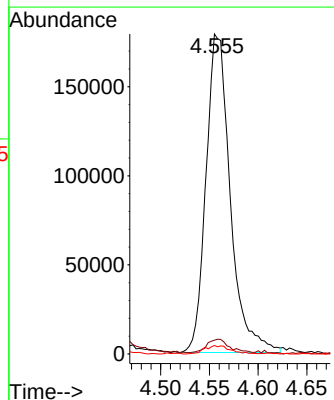
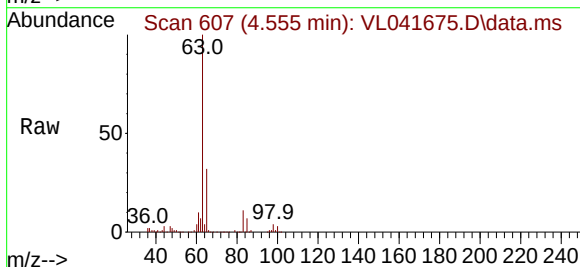
Ion	Ratio	Lower	Upper
43	100		
86	5.8	5.3	7.9
42	10.1	8.5	12.7
44	8.2	6.7	10.1

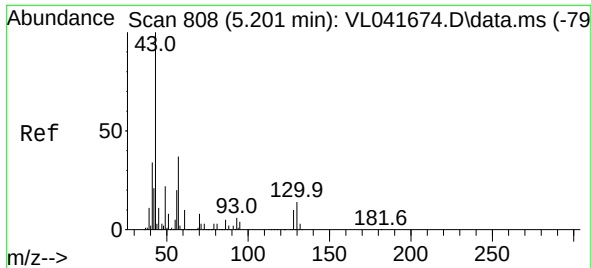


#24
 1,1-Dichloroethane
 Concen: 2.311 ppbv
 RT: 4.555 min Scan# 607
 Delta R.T. -0.003 min
 Lab File: VL041675.D
 Acq: 7 Nov 2024 10:55

Tgt Ion: 63 Resp: 311096

Ion	Ratio	Lower	Upper
63	100		
98	4.0	1.8	5.4
100	2.7	1.4	4.2



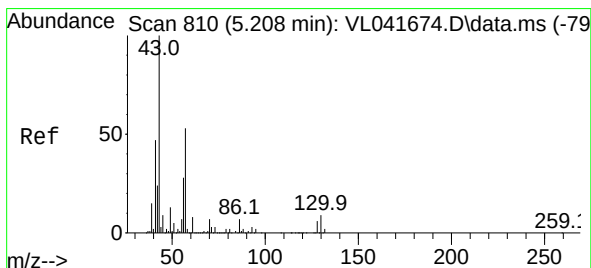
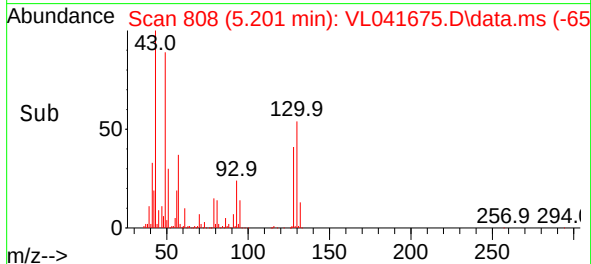
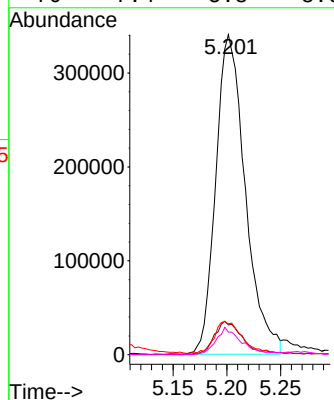
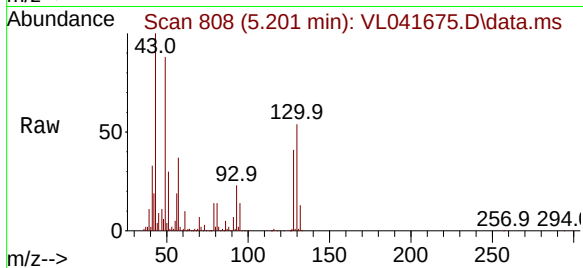


#25
Ethyl Acetate
Concen: 2.105 ppbv
RT: 5.201 min Scan# 808
Delta R.T. 0.000 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 43 Resp: 648134

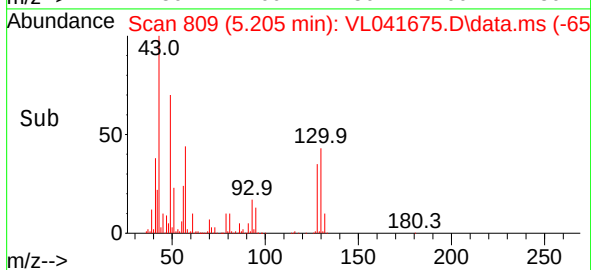
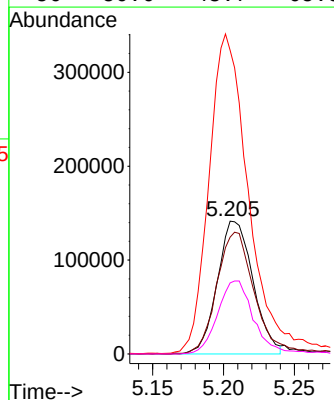
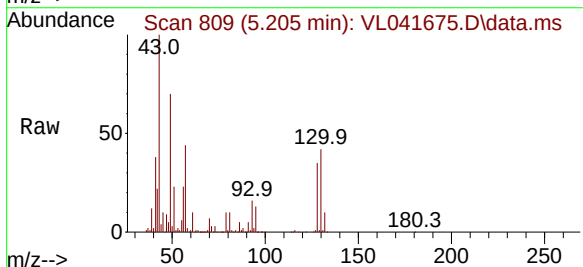
Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.6	13.0
61	10.4	8.4	12.6
70	7.4	5.8	8.6

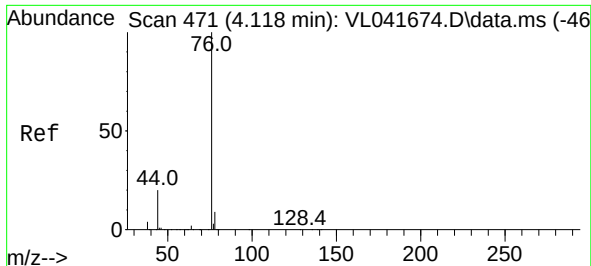


#26
Hexane
Concen: 2.095 ppbv
RT: 5.205 min Scan# 809
Delta R.T. -0.003 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

Tgt Ion: 57 Resp: 247802

Ion	Ratio	Lower	Upper
57	100		
41	99.7	76.1	114.1
43	275.1	207.0	310.6
56	56.6	43.7	65.5





#27

Carbon Disulfide

Concen: 2.076 ppbv

RT: 4.121 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Instrument :

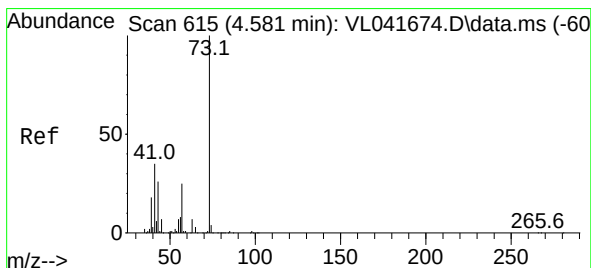
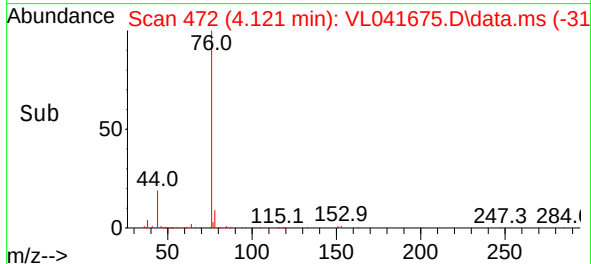
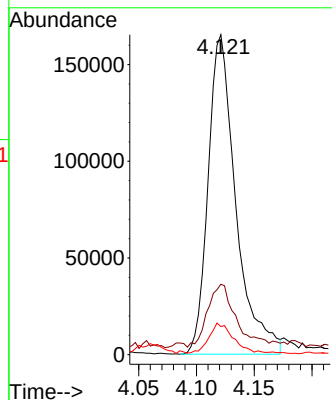
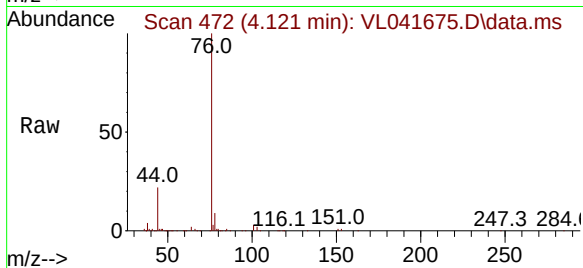
MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 76 Resp: 275871

Ion	Ratio	Lower	Upper
76	100		
44	25.2	15.8	23.8#
78	9.9	7.5	11.3



#28

Methyl tert-Butyl Ether

Concen: 2.345 ppbv

RT: 4.587 min Scan# 617

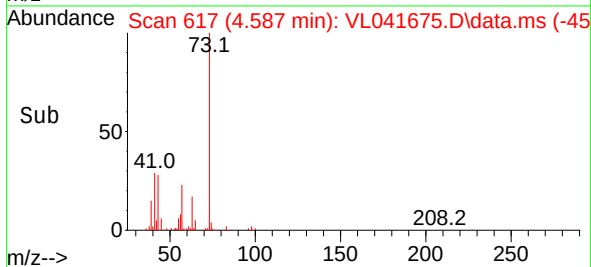
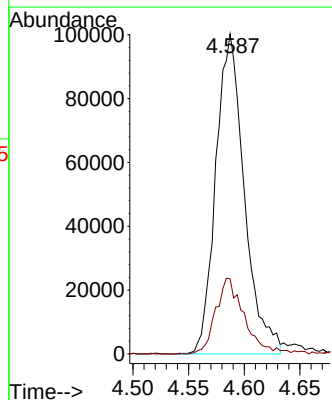
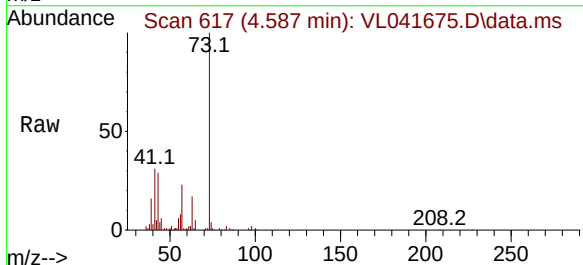
Delta R.T. 0.006 min

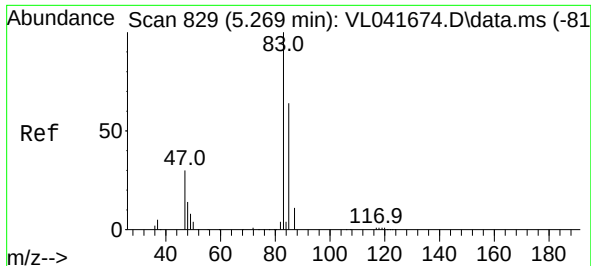
Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Tgt Ion: 73 Resp: 178647

Ion	Ratio	Lower	Upper
73	100		
57	24.3	19.6	29.4





#29

Chloroform

Concen: 2.037 ppbv

RT: 5.269 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_1

ClientSampleId :

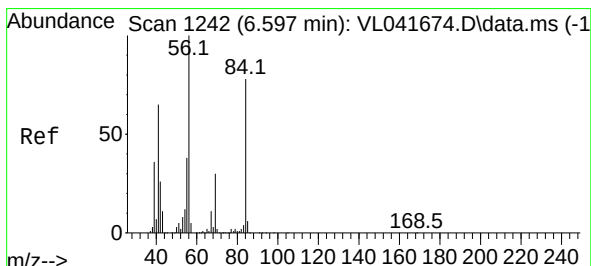
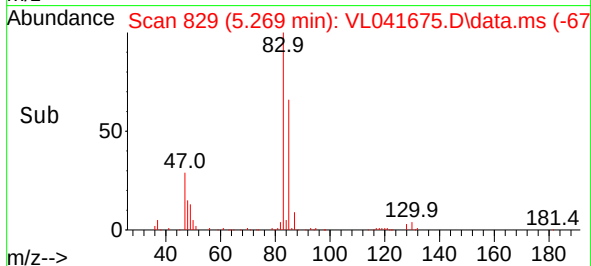
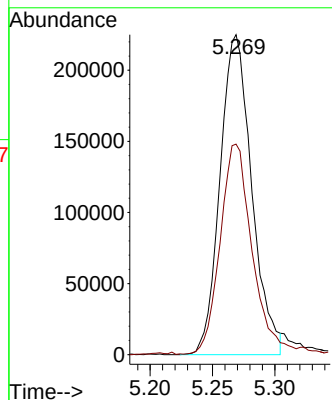
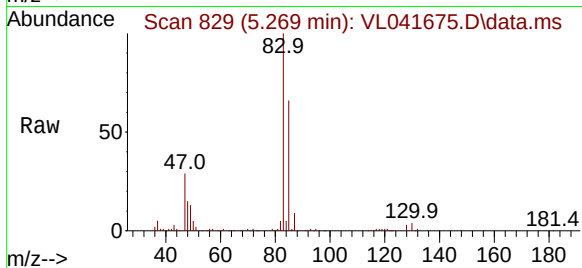
VSTDIC002

Tgt Ion: 83 Resp: 397794

Ion Ratio Lower Upper

83 100

85 65.5 51.1 76.7



#30

Cyclohexane

Concen: 2.167 ppbv

RT: 6.594 min Scan# 1241

Delta R.T. -0.003 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

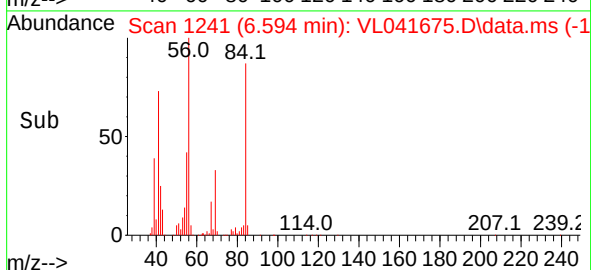
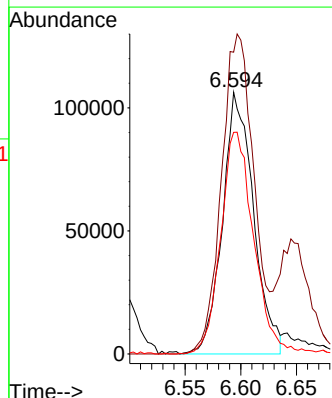
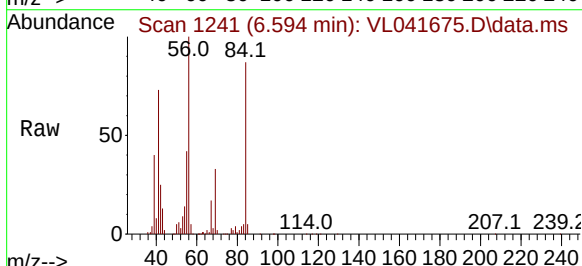
Tgt Ion: 84 Resp: 205987

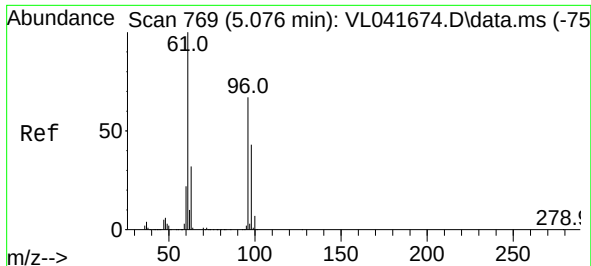
Ion Ratio Lower Upper

84 100

56 132.2 110.8 166.2

41 90.9 70.0 105.0

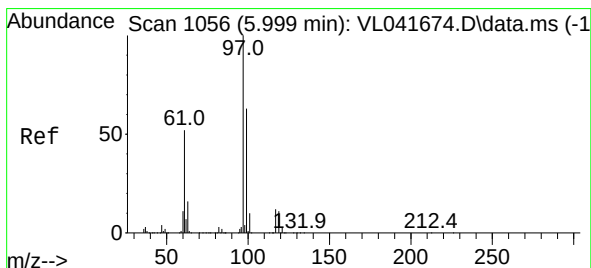
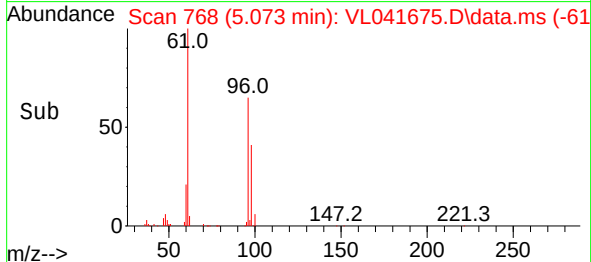
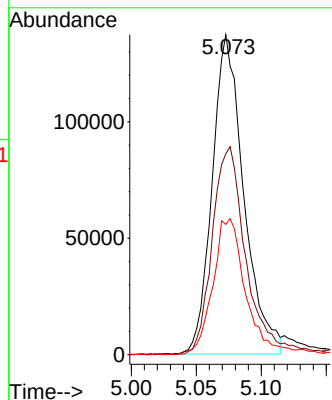
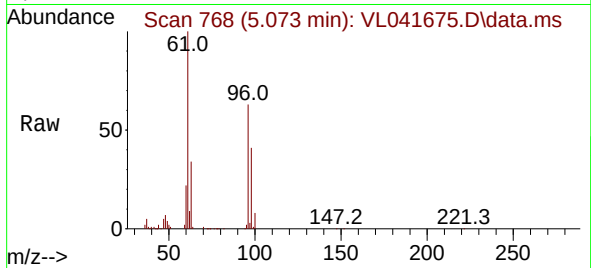




#31
 cis-1,2-Dichloroethene
 Concen: 2.037 ppbv
 RT: 5.073 min Scan# 769
 Delta R.T. -0.003 min
 Lab File: VL041675.D
 Acq: 7 Nov 2024 10:55

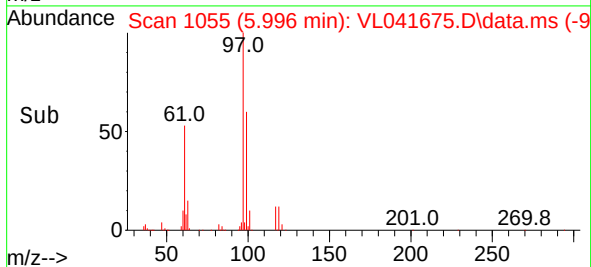
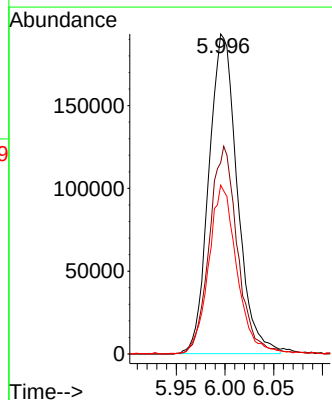
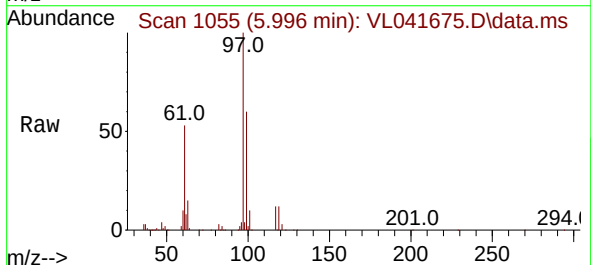
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

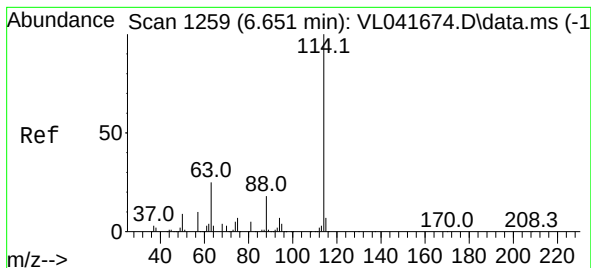
Tgt Ion: 61 Resp: 231792
 Ion Ratio Lower Upper
 61 100
 96 62.4 53.4 80.2
 98 40.6 34.0 51.0



#32
 1,1,1-Trichloroethane
 Concen: 2.186 ppbv
 RT: 5.996 min Scan# 1055
 Delta R.T. -0.003 min
 Lab File: VL041675.D
 Acq: 7 Nov 2024 10:55

Tgt Ion: 97 Resp: 391289
 Ion Ratio Lower Upper
 97 100
 99 64.8 51.4 77.2
 61 53.0 41.7 62.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.648 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

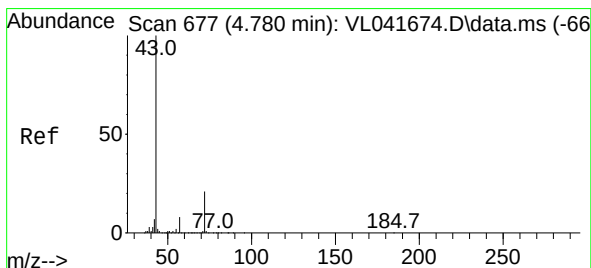
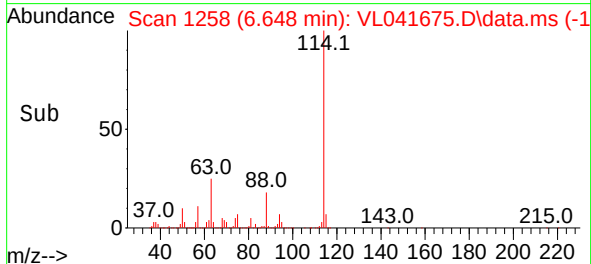
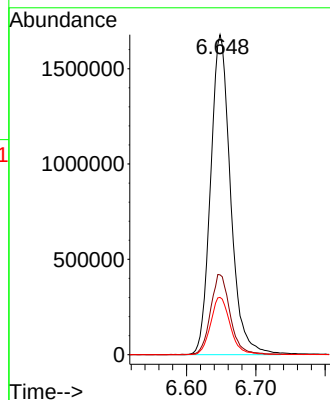
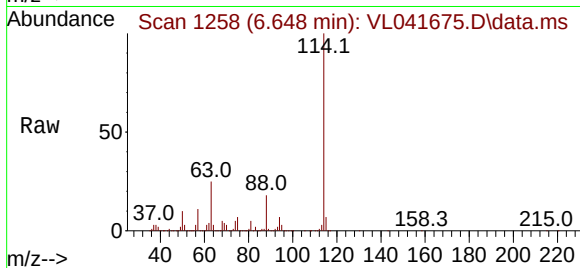
Tgt Ion:114 Resp: 3351063

Ion Ratio Lower Upper

114 100

63 24.9 20.3 30.5

88 17.8 14.2 21.4



#34

2-Butanone

Concen: 2.105 ppbv

RT: 4.783 min Scan# 678

Delta R.T. 0.003 min

Lab File: VL041675.D

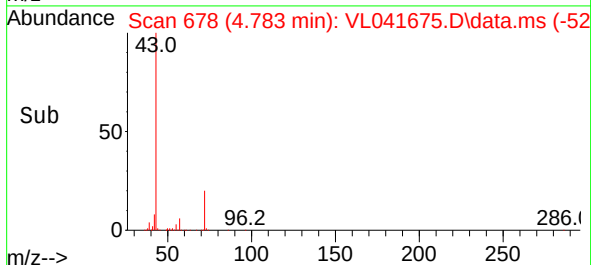
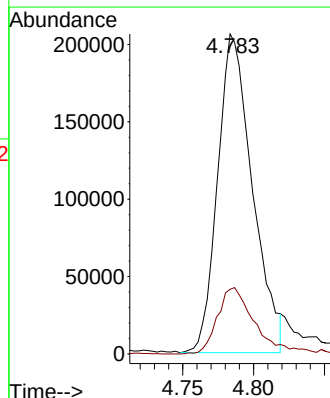
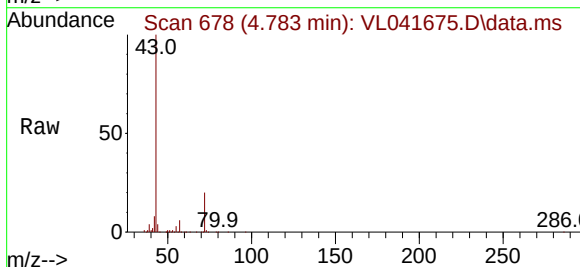
Acq: 7 Nov 2024 10:55

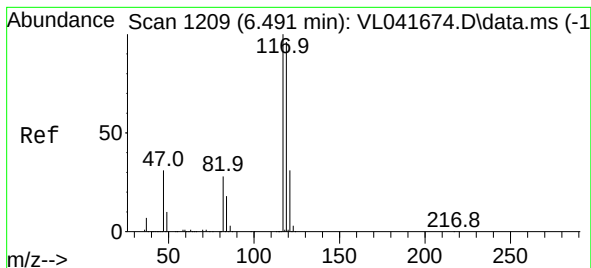
Tgt Ion: 43 Resp: 351257

Ion Ratio Lower Upper

43 100

72 23.3 17.4 26.0





#35

Carbon Tetrachloride

Concen: 2.257 ppbv

RT: 6.491 min Scan# 1171

Delta R.T. 0.000 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC002

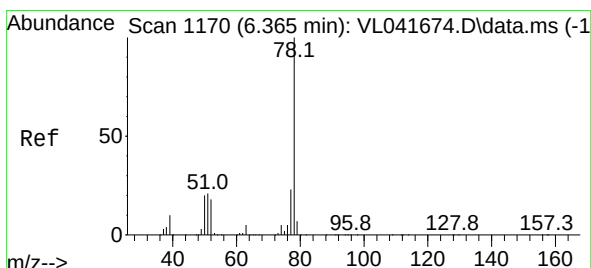
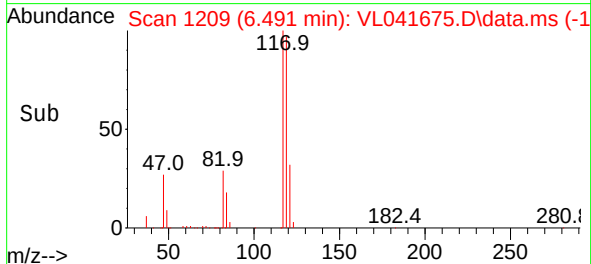
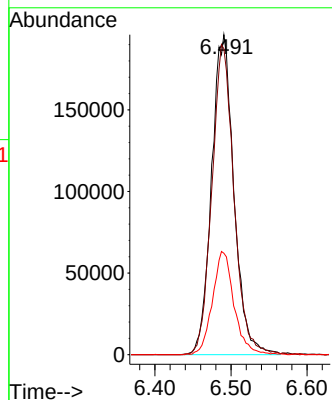
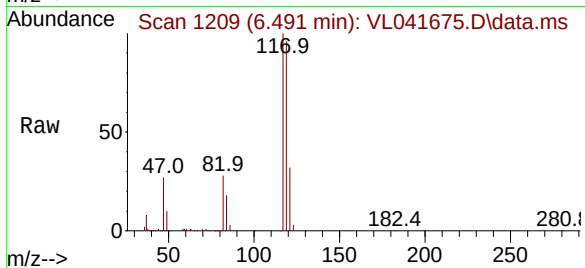
Tgt Ion:117 Resp: 399871

Ion Ratio Lower Upper

117 100

119 95.6 77.2 115.8

121 31.7 25.0 37.4



#36

Benzene

Concen: 2.169 ppbv

RT: 6.368 min Scan# 1171

Delta R.T. 0.003 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

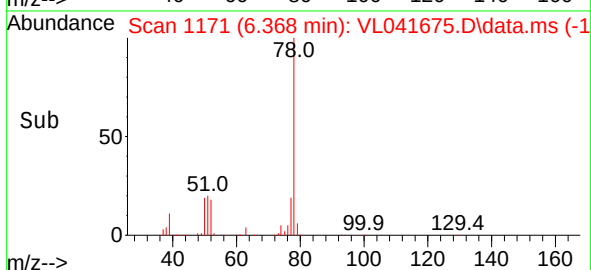
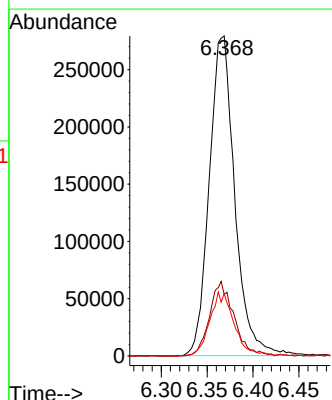
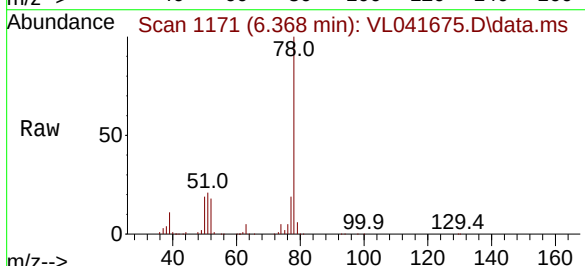
Tgt Ion: 78 Resp: 538471

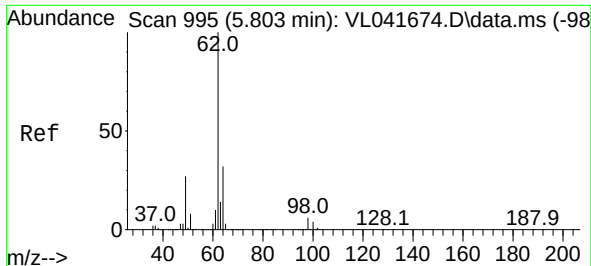
Ion Ratio Lower Upper

78 100

77 19.1 18.5 27.7

50 19.5 15.6 23.4





#37

1,2-Dichloroethane

Concen: 2.080 ppbv

RT: 5.803 min Scan# 995

Delta R.T. 0.000 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_L

ClientSampleId :

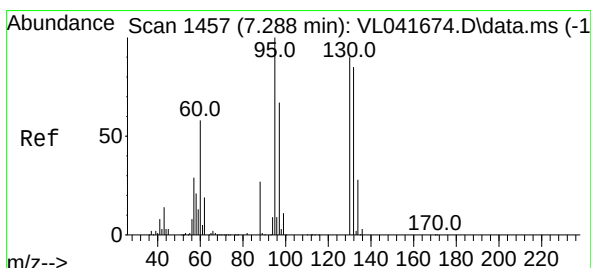
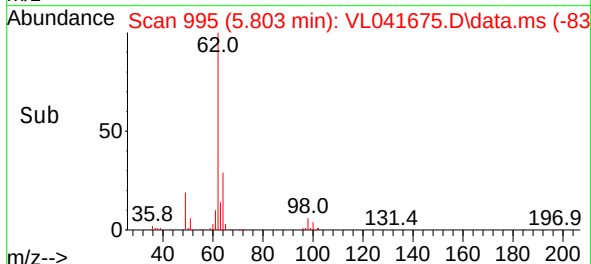
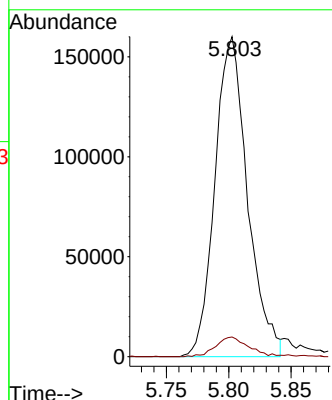
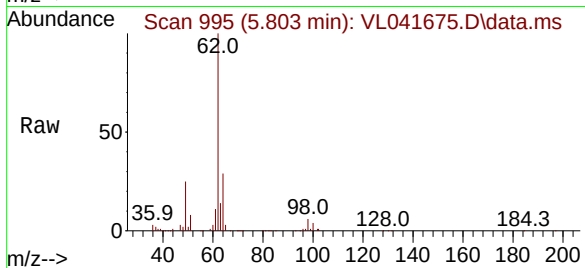
VSTDIC002

Tgt Ion: 62 Resp: 291330

Ion Ratio Lower Upper

62 100

98 6.6 5.2 7.8



#38

Trichloroethene

Concen: 2.237 ppbv

RT: 7.285 min Scan# 1456

Delta R.T. -0.003 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Tgt Ion:130 Resp: 214170

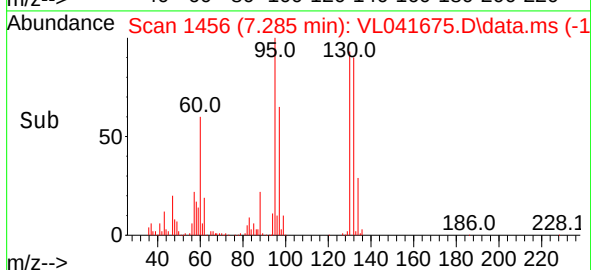
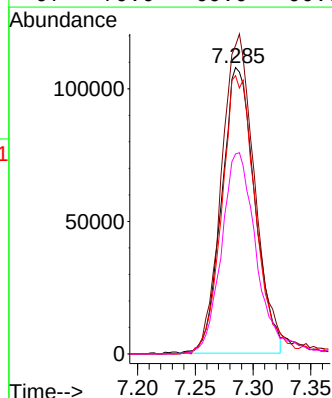
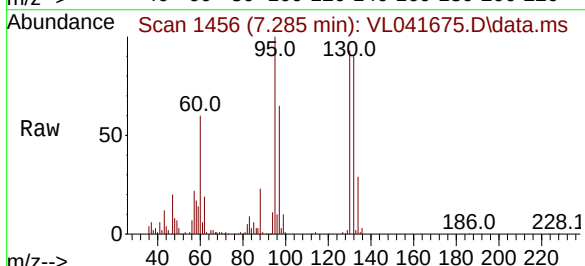
Ion Ratio Lower Upper

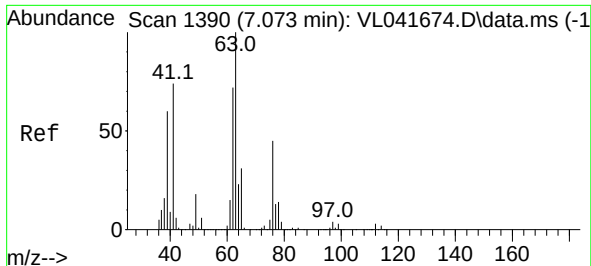
130 100

95 108.0 89.1 133.7

132 97.2 75.7 113.5

97 70.0 60.0 90.0





#39

1,2-Dichloropropane

Concen: 2.102 ppbv

RT: 7.069 min Scan# 14

Delta R.T. -0.003 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

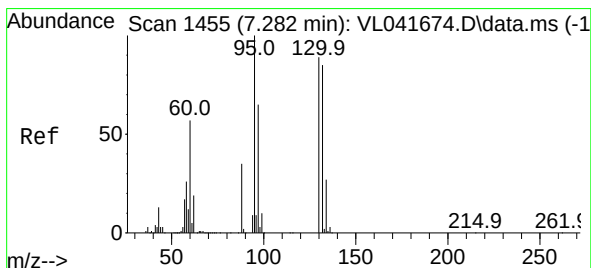
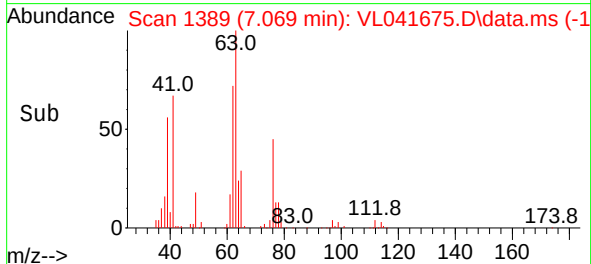
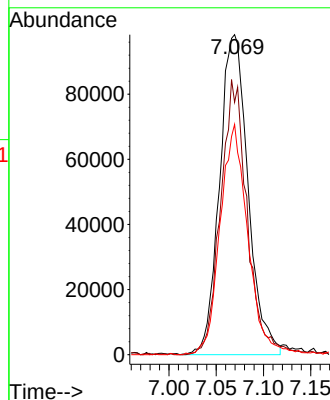
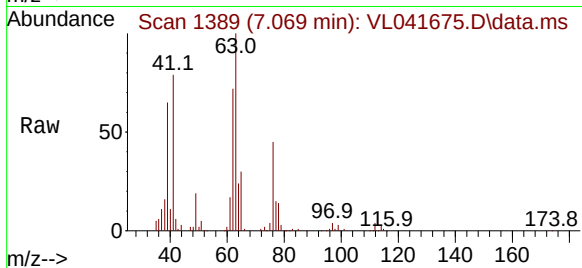
Tgt Ion: 63 Resp: 206245

Ion Ratio Lower Upper

63 100

41 78.9 59.1 88.7

62 72.0 57.7 86.5



#40

1,4-Dioxane

Concen: 0.994 ppbv

RT: 7.291 min Scan# 1458

Delta R.T. 0.010 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Tgt Ion: 88 Resp: 34545

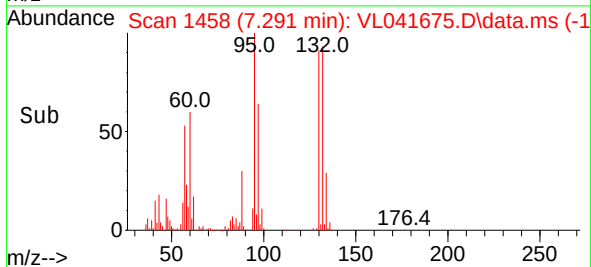
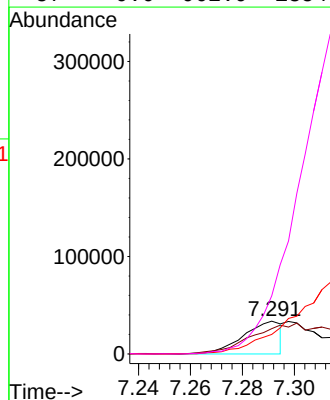
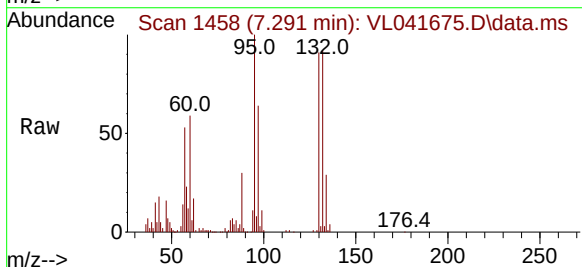
Ion Ratio Lower Upper

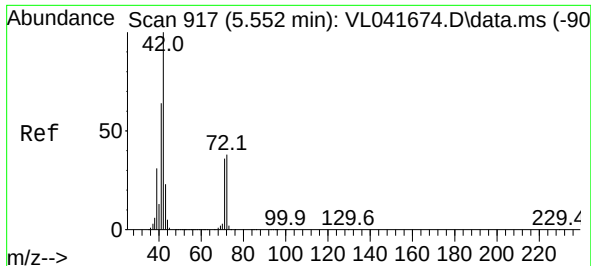
88 100

58 0.0 101.4 152.2#

43 0.0 208.0 312.0#

57 0.0 902.9 1354.3#





#41

Tetrahydrofuran

Concen: 2.173 ppbv

RT: 5.561 min Scan# 917

Delta R.T. 0.010 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

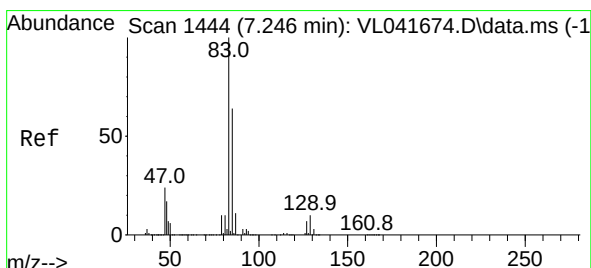
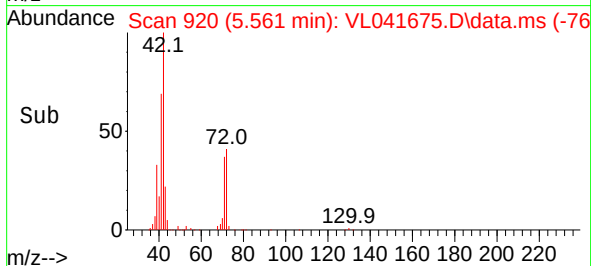
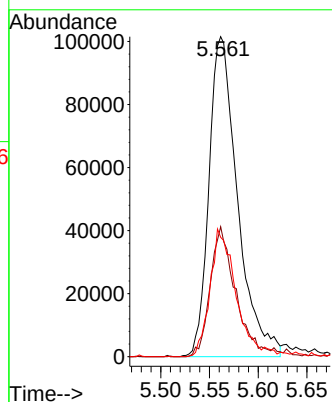
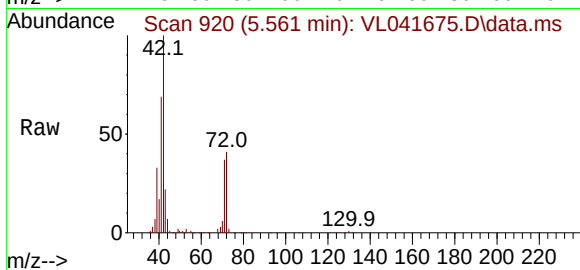
Tgt Ion: 42 Resp: 206889

Ion Ratio Lower Upper

42 100

72 37.7 29.8 44.6

71 37.8 29.4 44.2



#42

Bromodichloromethane

Concen: 2.116 ppbv

RT: 7.243 min Scan# 1443

Delta R.T. -0.003 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

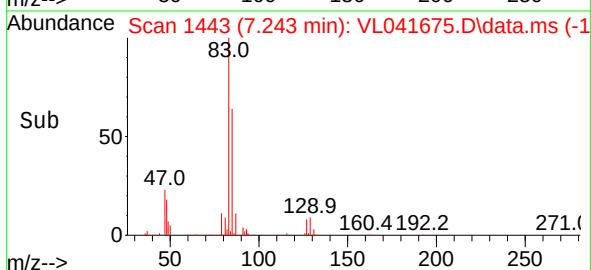
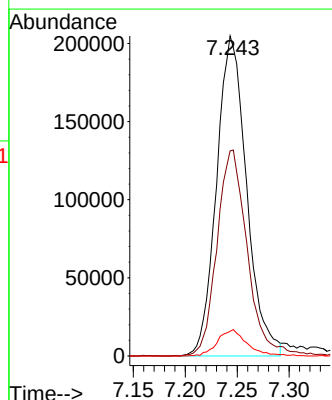
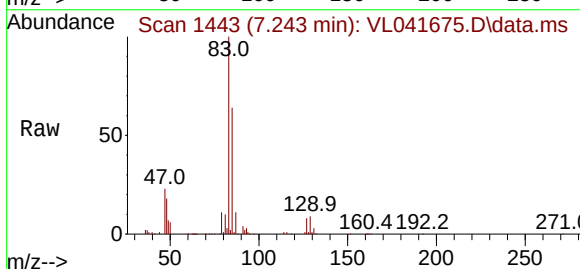
Tgt Ion: 83 Resp: 411846

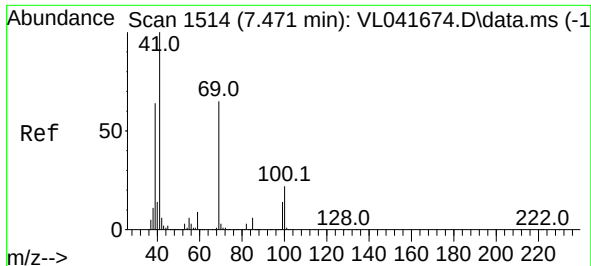
Ion Ratio Lower Upper

83 100

85 64.1 51.2 76.8

127 7.7 6.0 9.0





#43

Methyl Methacrylate

Concen: 2.140 ppbv

RT: 7.471 min Scan# 1514

Delta R.T. 0.000 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_1

ClientSampleId :

VSTDICC002

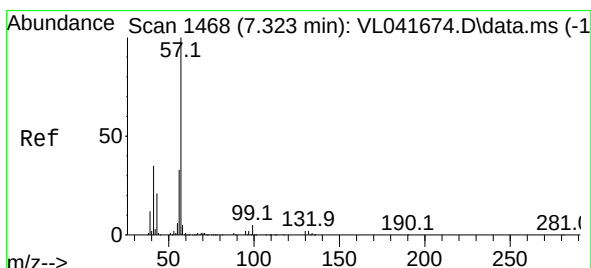
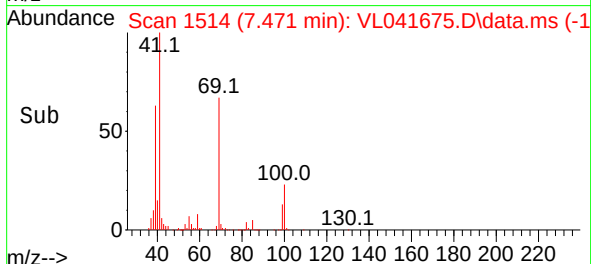
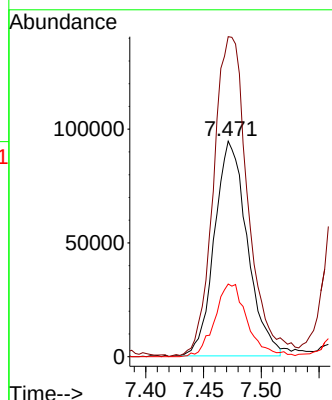
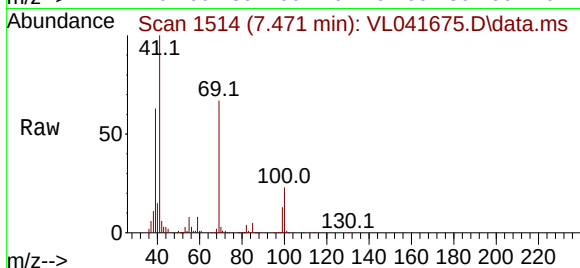
Tgt Ion: 69 Resp: 186557

Ion Ratio Lower Upper

69 100

41 157.8 119.8 179.6

100 33.6 27.3 40.9



#44

2,2,4-Trimethylpentane

Concen: 2.217 ppbv

RT: 7.323 min Scan# 1468

Delta R.T. 0.000 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

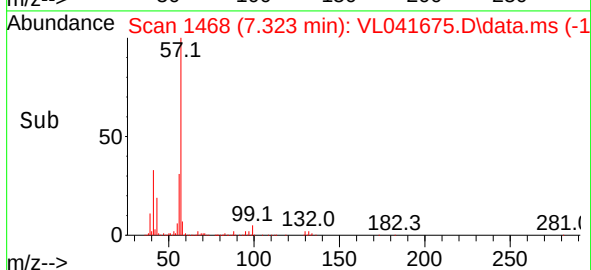
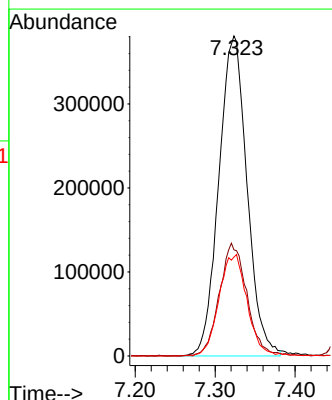
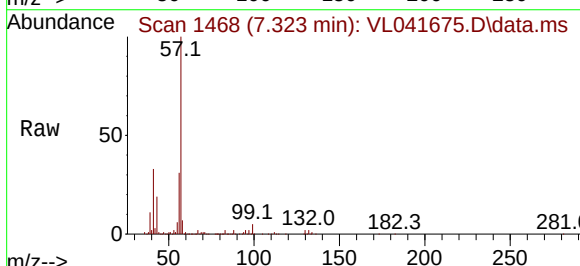
Tgt Ion: 57 Resp: 932386

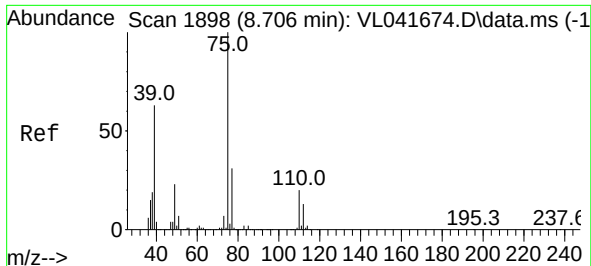
Ion Ratio Lower Upper

57 100

41 34.6 27.0 40.6

56 31.8 25.8 38.6





#45

t-1,3-Dichloropropene

Concen: 1.929 ppbv

RT: 8.709 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_L

ClientSampleId :

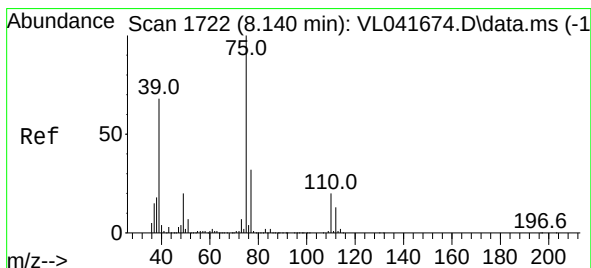
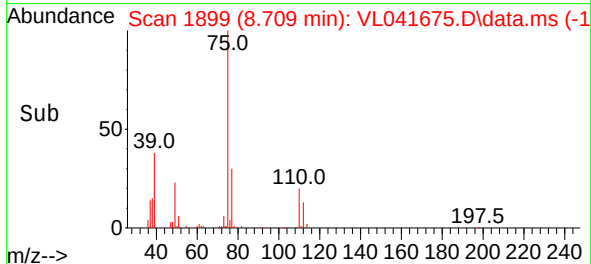
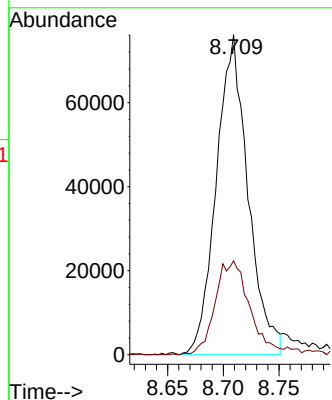
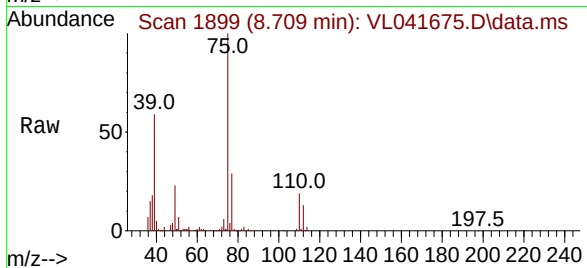
VSTDIC002

Tgt Ion: 75 Resp: 150360

Ion Ratio Lower Upper

75 100

77 29.4 24.7 37.1



#46

cis-1,3-Dichloropropene

Concen: 2.069 ppbv

RT: 8.137 min Scan# 1721

Delta R.T. -0.003 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

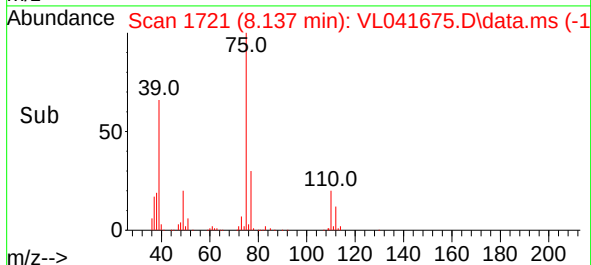
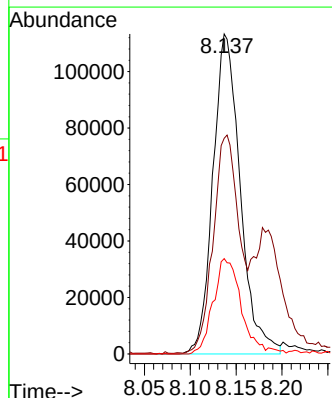
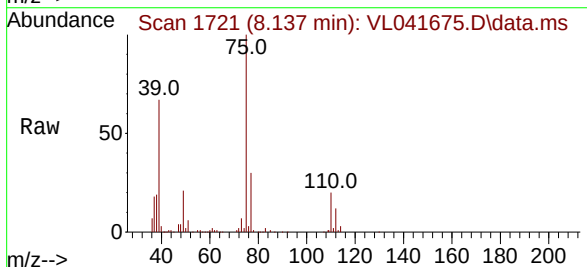
Tgt Ion: 75 Resp: 234294

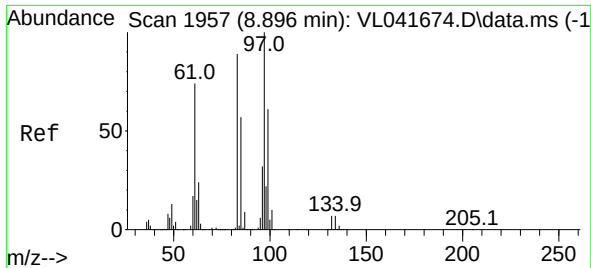
Ion Ratio Lower Upper

75 100

39 67.0 54.1 81.1

77 29.8 25.3 37.9





#47

1,1,2-Trichloroethane

Concen: 1.162 ppbv

RT: 8.893 min Scan# 1956

Delta R.T. -0.003 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 97 Resp: 122915

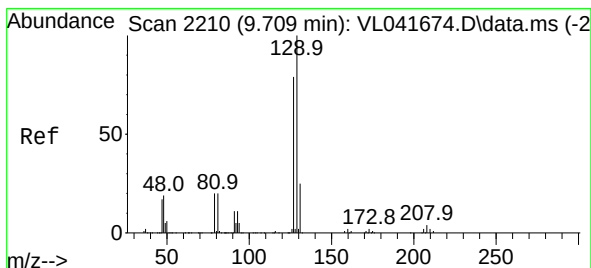
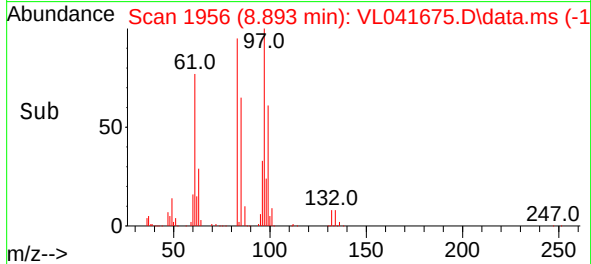
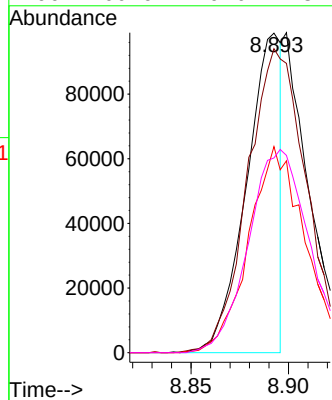
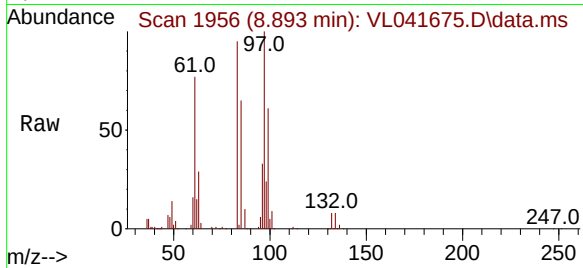
Ion Ratio Lower Upper

97 100

83 94.9 71.0 106.6

85 64.5 45.4 68.2

99 60.9 49.0 73.6



#48

Dibromochloromethane

Concen: 2.121 ppbv

RT: 9.703 min Scan# 2208

Delta R.T. -0.006 min

Lab File: VL041675.D

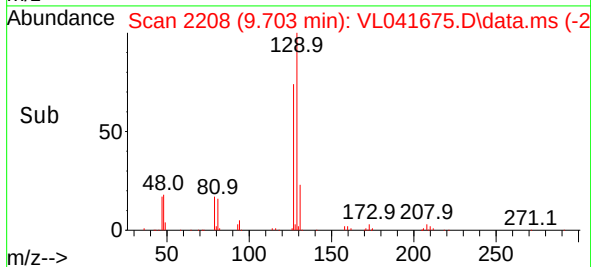
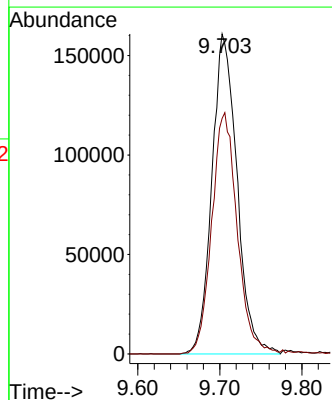
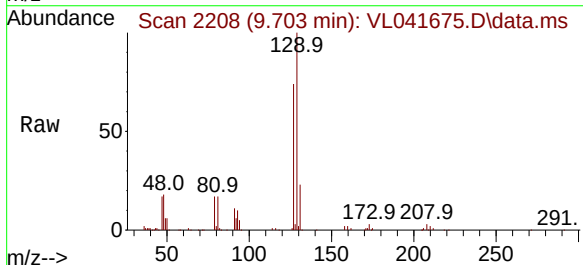
Acq: 7 Nov 2024 10:55

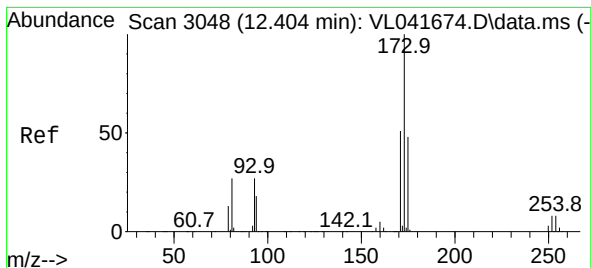
Tgt Ion: 129 Resp: 342372

Ion Ratio Lower Upper

129 100

127 77.3 39.1 117.2





#49

Bromoform

Concen: 2.080 ppbv

RT: 12.404 min Scan# 3048

Delta R.T. 0.000 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

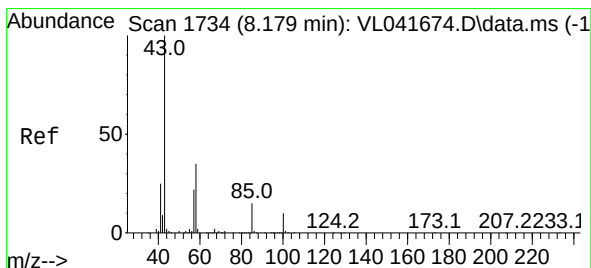
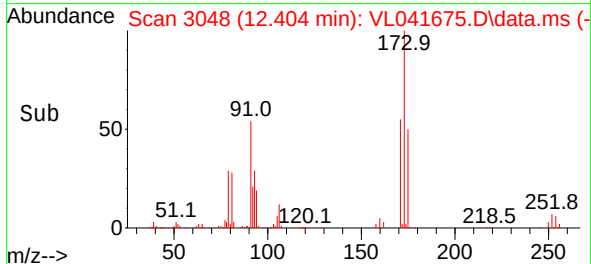
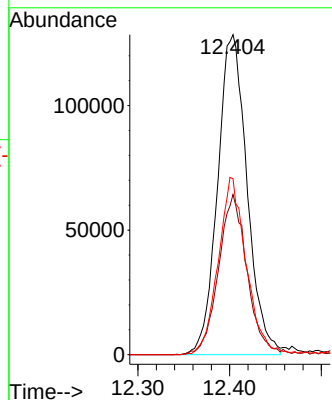
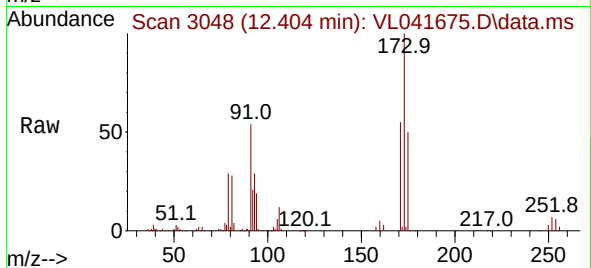
Tgt Ion:173 Resp: 286412

Ion Ratio Lower Upper

173 100

175 48.9 39.2 58.8

171 53.2 41.7 62.5



#50

4-Methyl-2-Pentanone

Concen: 2.198 ppbv

RT: 8.185 min Scan# 1736

Delta R.T. 0.006 min

Lab File: VL041675.D

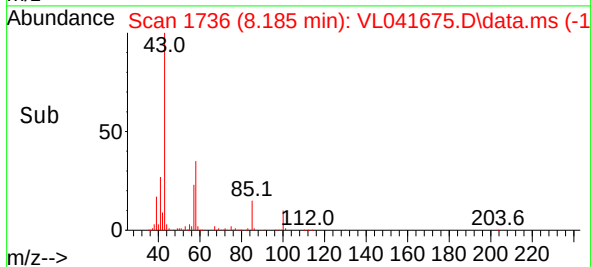
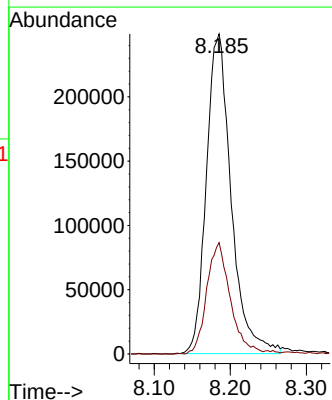
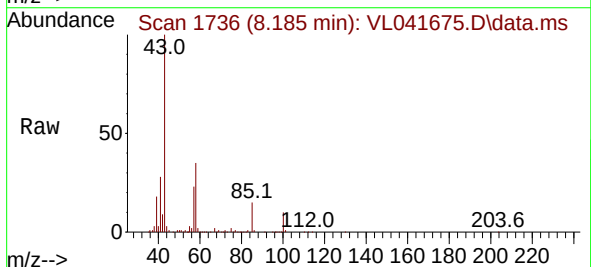
Acq: 7 Nov 2024 10:55

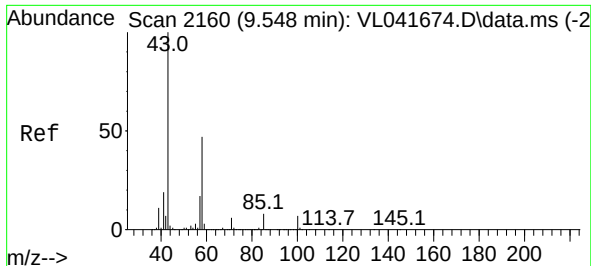
Tgt Ion: 43 Resp: 563317

Ion Ratio Lower Upper

43 100

58 34.0 27.7 41.5

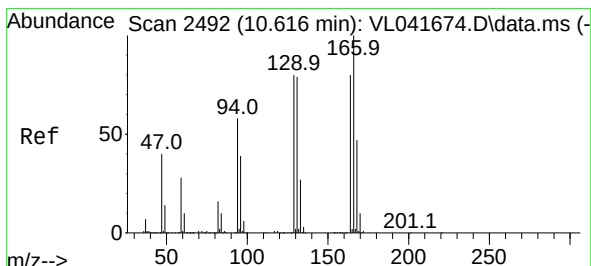
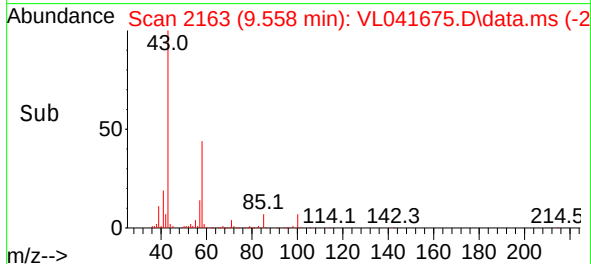
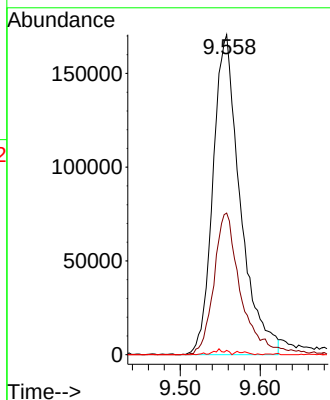
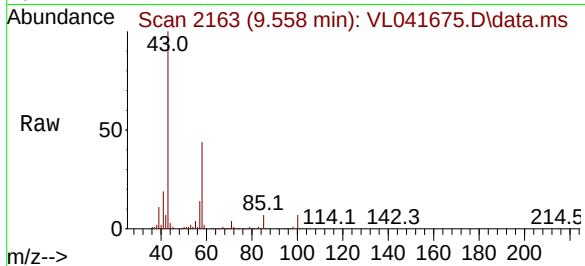




#51
2-Hexanone
Concen: 2.163 ppbv
RT: 9.558 min Scan# 2160
Delta R.T. 0.010 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

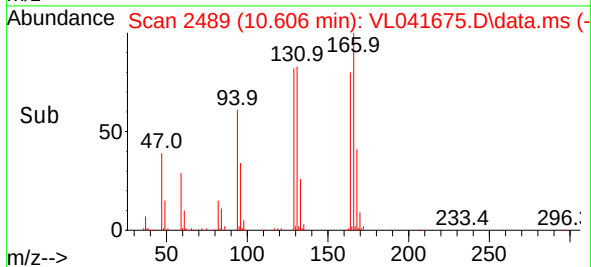
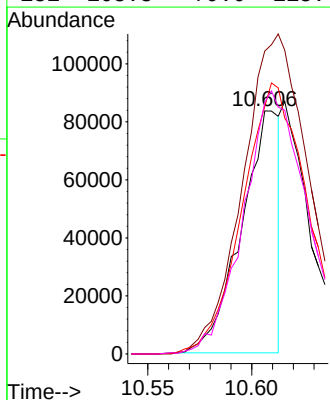
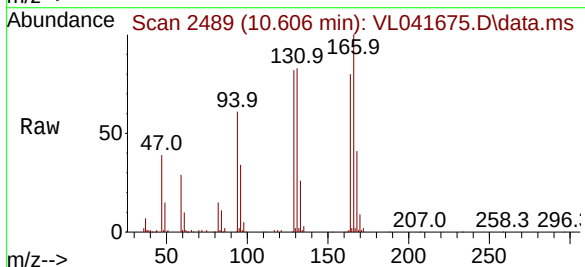
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

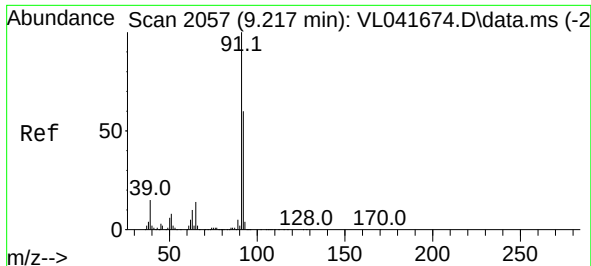
Tgt Ion: 43 Resp: 402751
Ion Ratio Lower Upper
43 100
58 44.3 37.0 55.6
98 0.8 0.6 0.8



#52
Tetrachloroethene
Concen: 1.246 ppbv
RT: 10.606 min Scan# 2489
Delta R.T. -0.010 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

Tgt Ion: 164 Resp: 105734
Ion Ratio Lower Upper
164 100
166 124.4 100.2 150.4
129 101.6 79.7 119.5
131 103.8 79.0 118.4





#53

Toluene

Concen: 2.161 ppbv

RT: 9.220 min Scan# 2057

Delta R.T. 0.003 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_L

ClientSampleId :

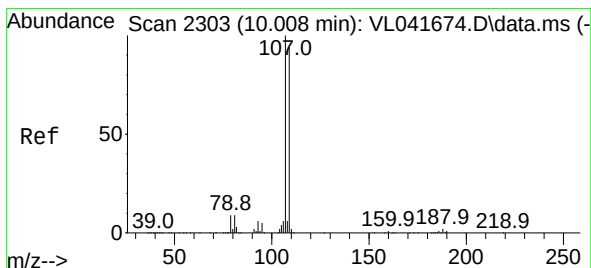
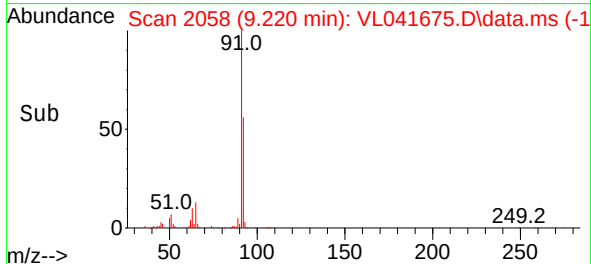
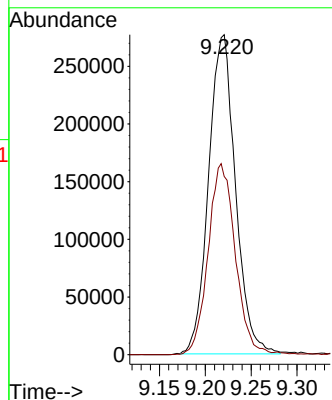
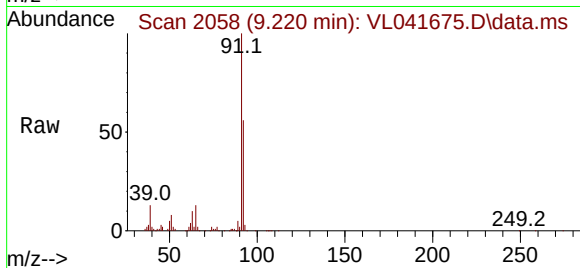
VSTDIC002

Tgt Ion: 91 Resp: 564332

Ion Ratio Lower Upper

91 100

92 61.0 49.0 73.4



#54

1,2-Dibromoethane

Concen: 2.262 ppbv

RT: 10.005 min Scan# 2302

Delta R.T. -0.003 min

Lab File: VL041675.D

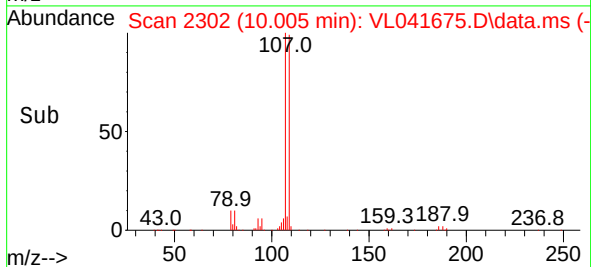
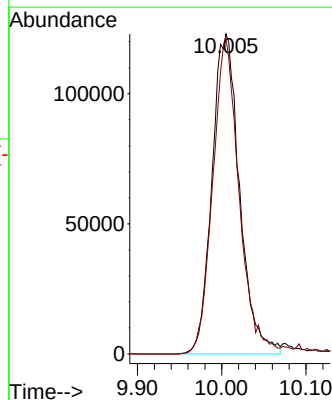
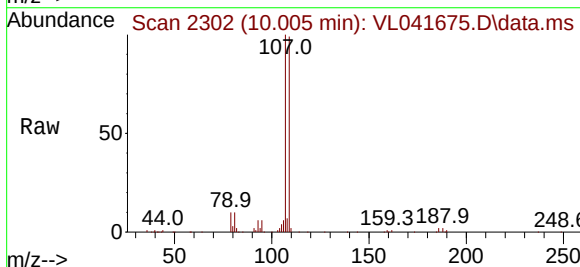
Acq: 7 Nov 2024 10:55

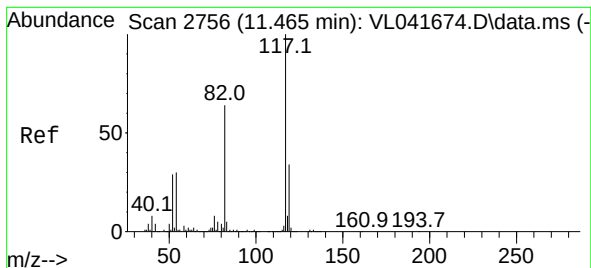
Tgt Ion: 107 Resp: 279460

Ion Ratio Lower Upper

107 100

109 98.4 74.9 112.3





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.462 min Scan# 2756

Delta R.T. -0.003 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

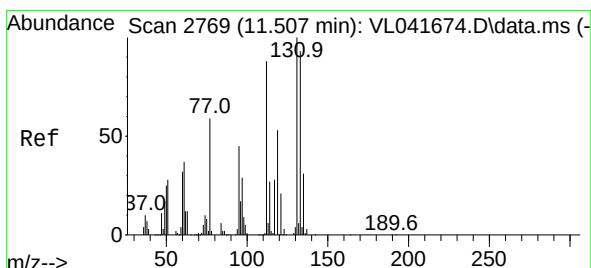
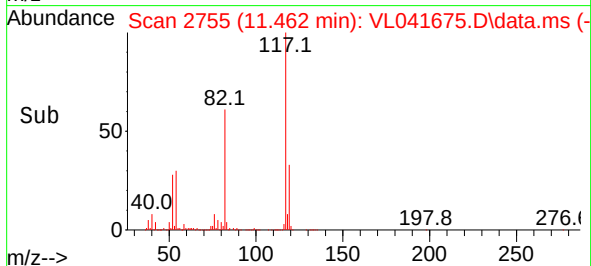
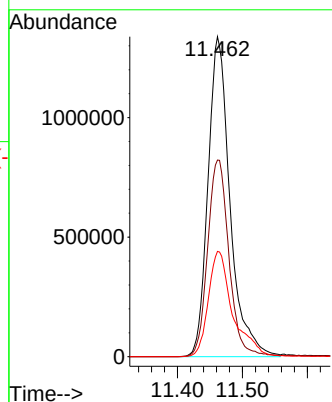
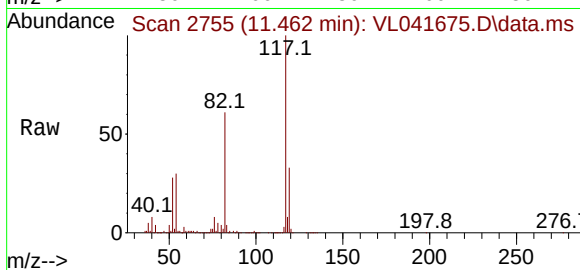
Tgt Ion:117 Resp: 3155486

Ion Ratio Lower Upper

117 100

82 60.0 49.8 74.8

119 36.8 24.2 36.4#



#56

1,1,1,2-Tetrachloroethane

Concen: 2.130 ppbv

RT: 11.507 min Scan# 2769

Delta R.T. 0.000 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

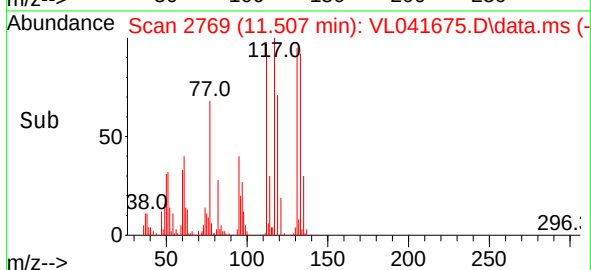
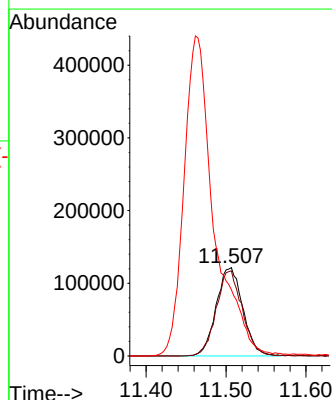
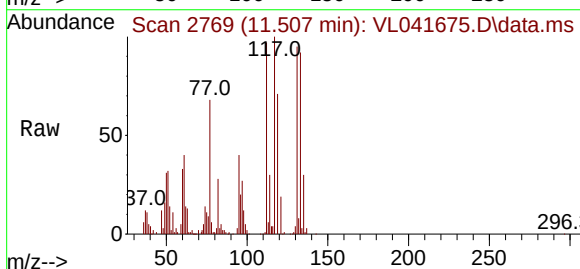
Tgt Ion:131 Resp: 279872

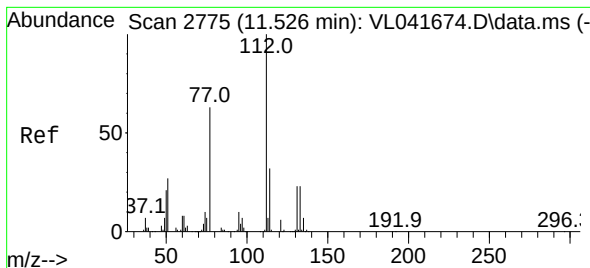
Ion Ratio Lower Upper

131 100

133 94.8 76.5 114.7

119 414.0 49.8 74.8#





#57

Chlorobenzene

Concen: 2.128 ppbv

RT: 11.519 min Scan# 21

Delta R.T. -0.006 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

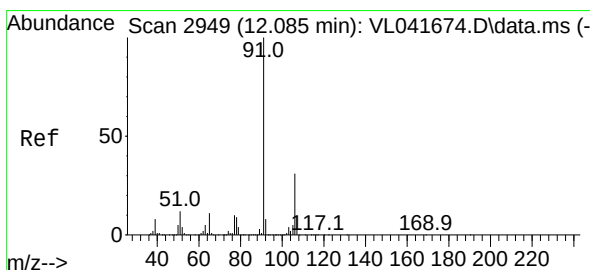
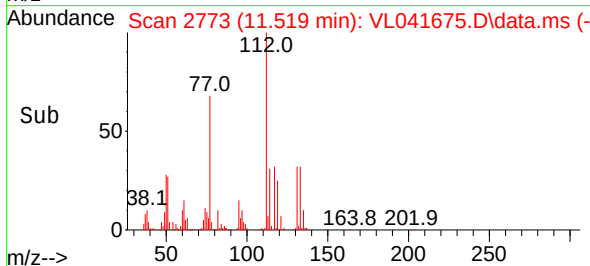
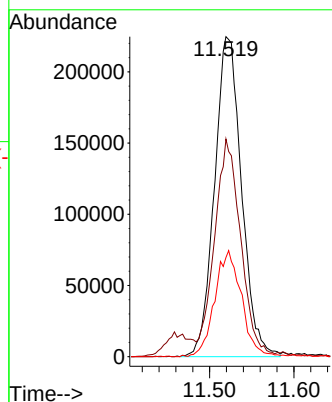
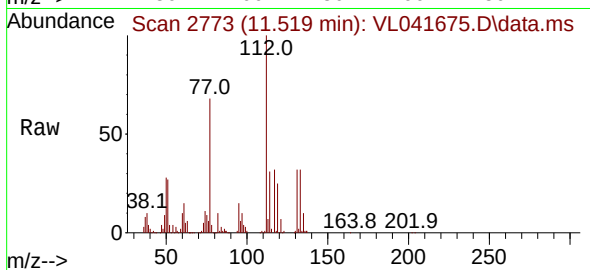
Tgt Ion:112 Resp: 500524

Ion Ratio Lower Upper

112 100

77 66.6 51.4 77.2

114 31.0 28.4 34.8



#58

Ethyl Benzene

Concen: 2.225 ppbv

RT: 12.085 min Scan# 2949

Delta R.T. 0.000 min

Lab File: VL041675.D

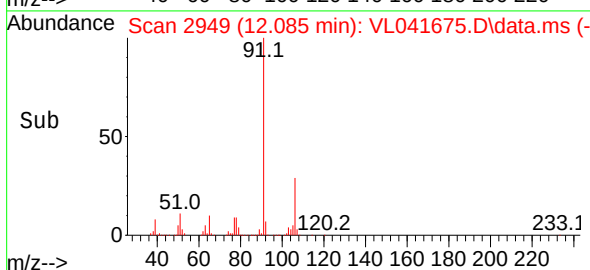
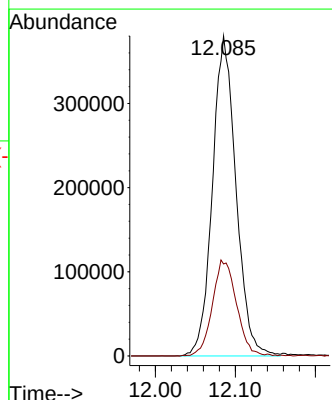
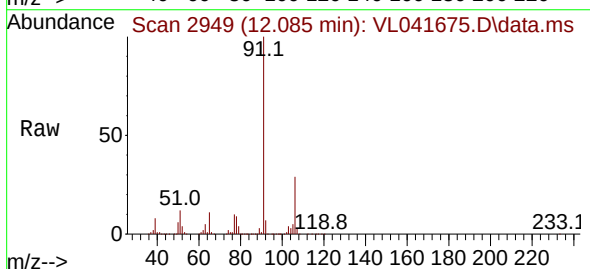
Acq: 7 Nov 2024 10:55

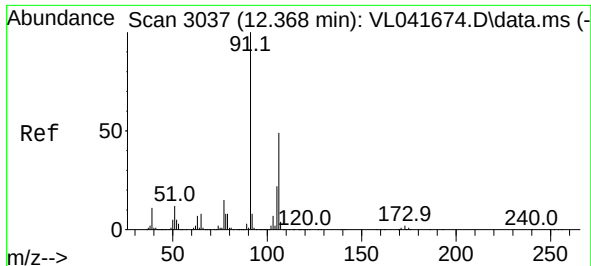
Tgt Ion: 91 Resp: 777614

Ion Ratio Lower Upper

91 100

106 28.7 24.9 37.3





#59

m/p-Xylene

Concen: 2.288 ppbv

RT: 12.368 min Scan# 3037

Delta R.T. 0.000 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_1

ClientSampleId :

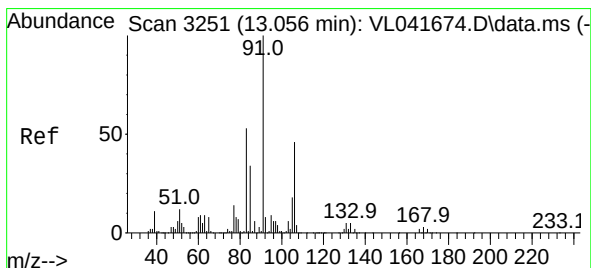
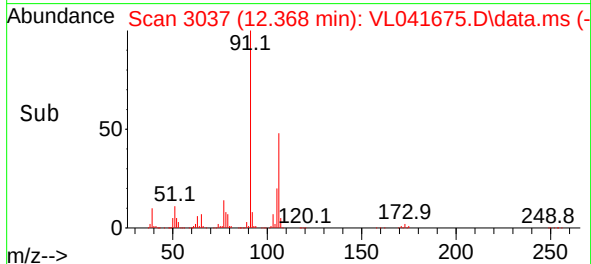
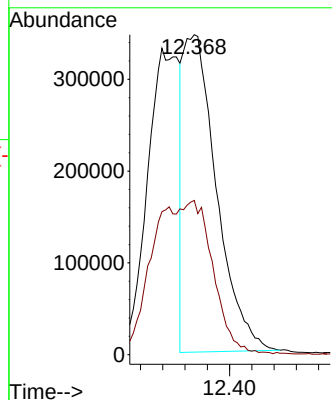
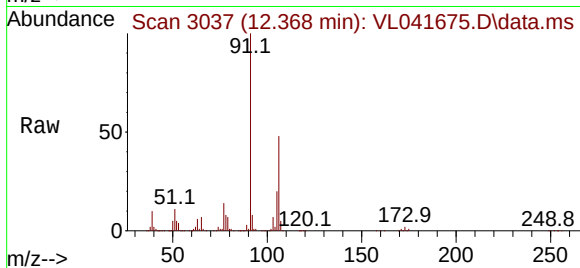
VSTDIC002

Tgt Ion: 91 Resp: 715565

Ion Ratio Lower Upper

91 100

106 88.9 36.9 55.3#



#60

o-Xylene

Concen: 2.258 ppbv

RT: 13.053 min Scan# 3250

Delta R.T. -0.003 min

Lab File: VL041675.D

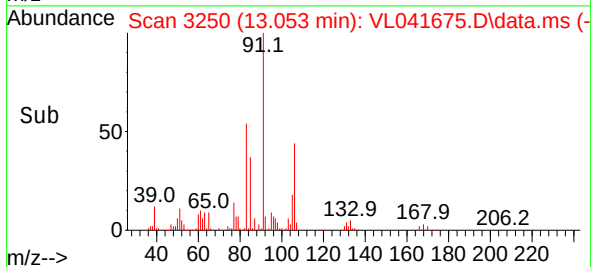
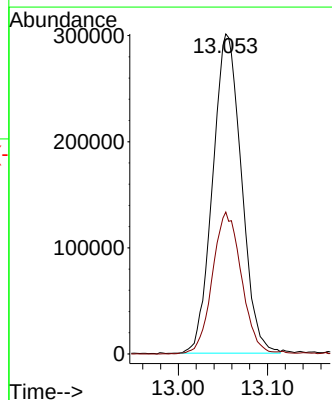
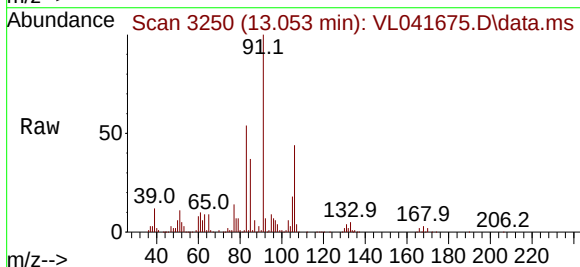
Acq: 7 Nov 2024 10:55

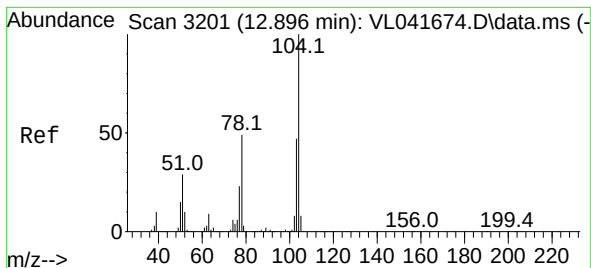
Tgt Ion: 91 Resp: 674003

Ion Ratio Lower Upper

91 100

106 45.4 23.2 69.6





#61

Styrene

Concen: 2.133 ppbv

RT: 12.892 min Scan# 31

Delta R.T. -0.003 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

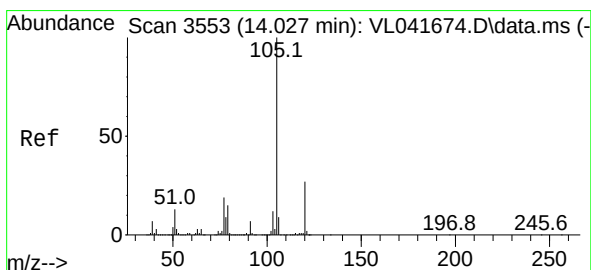
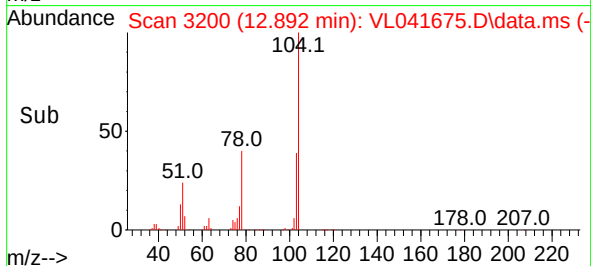
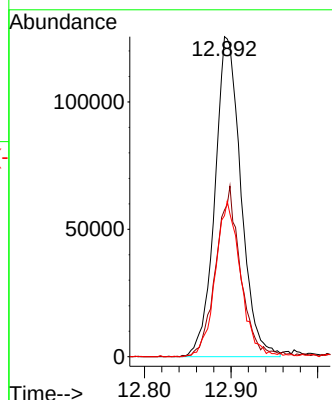
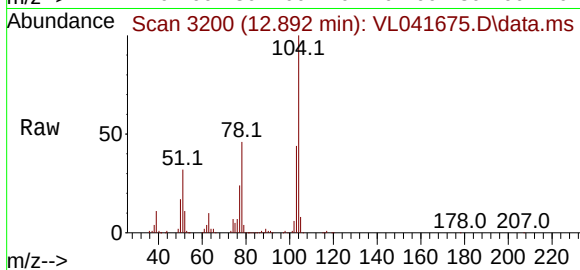
Tgt Ion:104 Resp: 262837

Ion Ratio Lower Upper

104 100

78 51.3 39.8 59.8

103 47.7 37.4 56.0



#62

Isopropylbenzene

Concen: 2.236 ppbv

RT: 14.024 min Scan# 3552

Delta R.T. -0.003 min

Lab File: VL041675.D

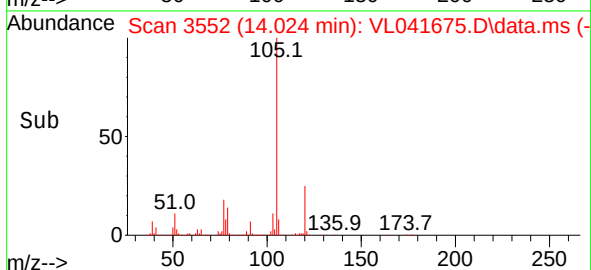
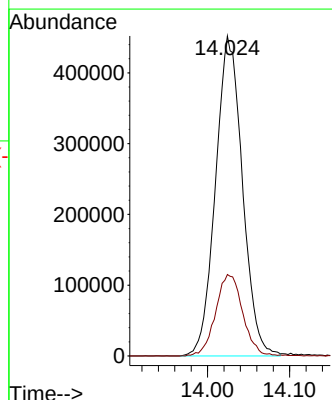
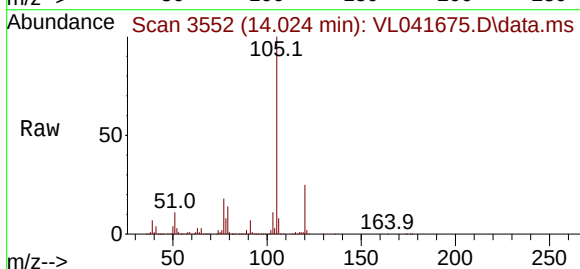
Acq: 7 Nov 2024 10:55

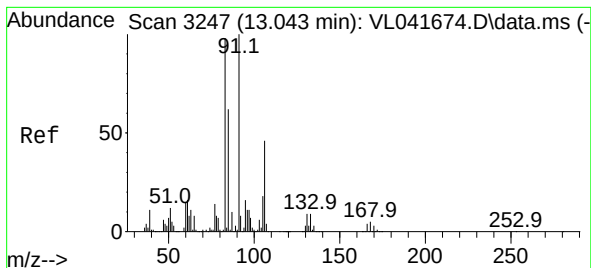
Tgt Ion:105 Resp: 1030511

Ion Ratio Lower Upper

105 100

120 25.8 21.1 31.7





#63

1,1,2,2-Tetrachloroethane

Concen: 2.245 ppbv

RT: 13.043 min Scan# 31

Delta R.T. 0.000 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

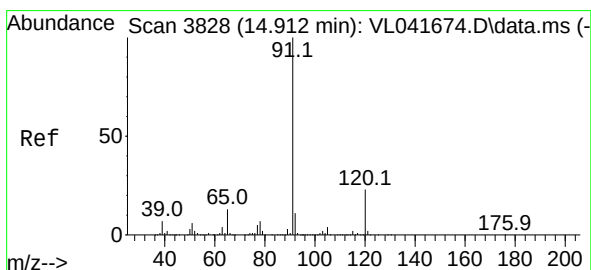
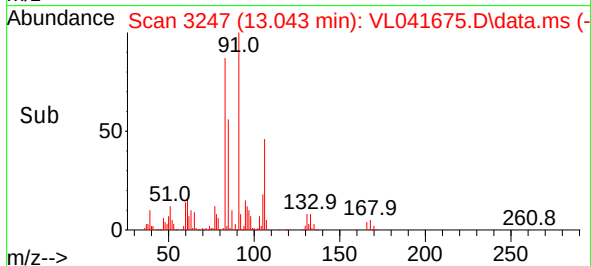
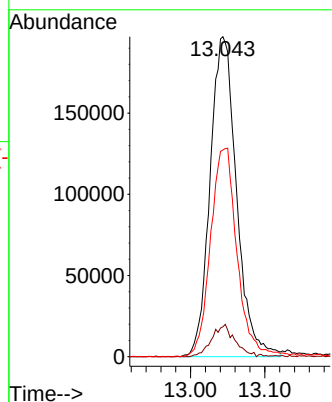
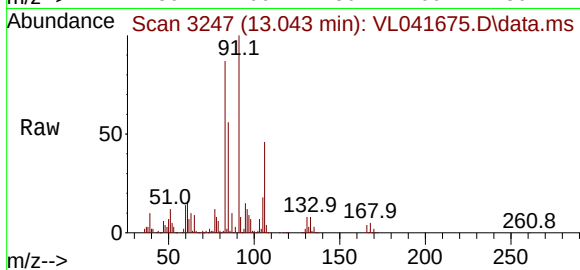
Tgt Ion: 83 Resp: 488021

Ion Ratio Lower Upper

83 100

131 8.9 4.8 14.3

85 66.1 32.6 98.0



#64

n-propylbenzene

Concen: 2.251 ppbv

RT: 14.915 min Scan# 3829

Delta R.T. 0.003 min

Lab File: VL041675.D

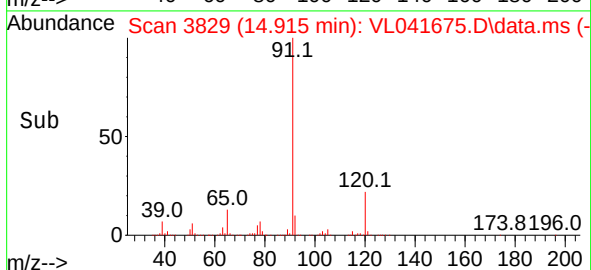
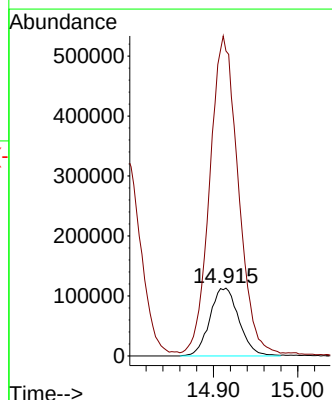
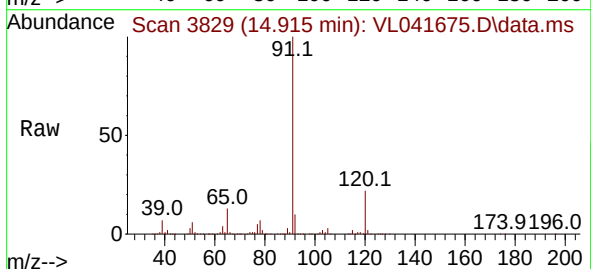
Acq: 7 Nov 2024 10:55

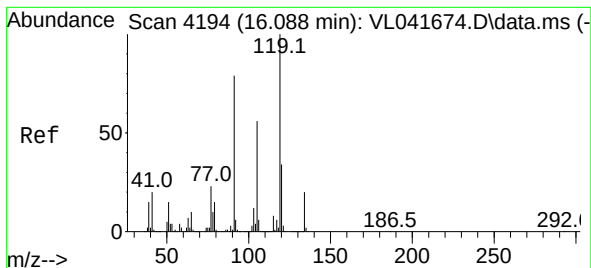
Tgt Ion:120 Resp: 271271

Ion Ratio Lower Upper

120 100

91 469.1 362.4 543.6





#65

tert-Butylbenzene

Concen: 2.290 ppbv

RT: 16.085 min Scan# 4194

Delta R.T. -0.003 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

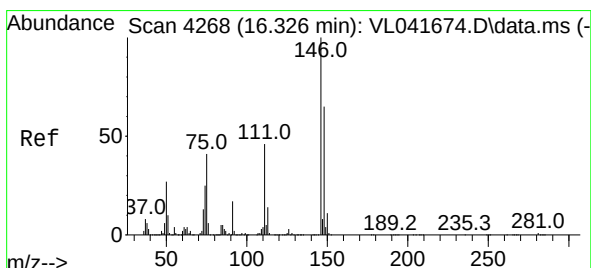
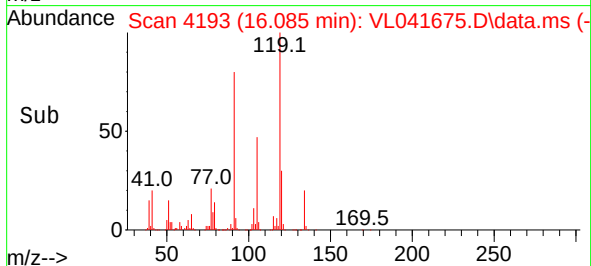
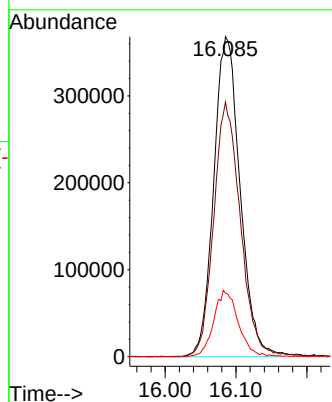
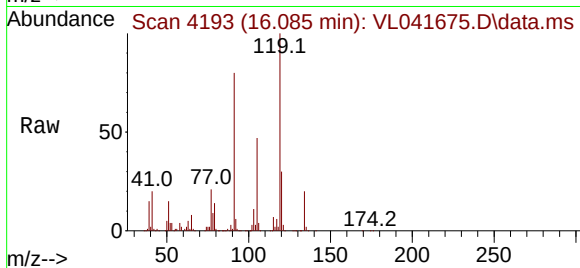
Tgt Ion:119 Resp: 948395

Ion Ratio Lower Upper

119 100

91 81.0 64.3 96.5

134 19.5 15.8 23.8



#66

Benzyl Chloride

Concen: 1.759 ppbv

RT: 16.326 min Scan# 4268

Delta R.T. 0.000 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

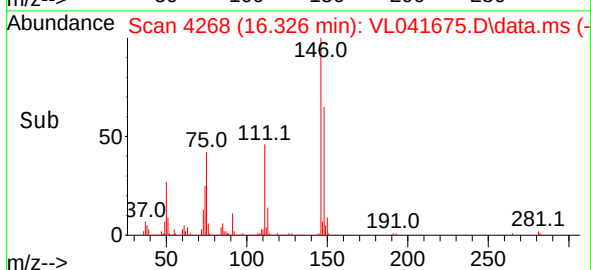
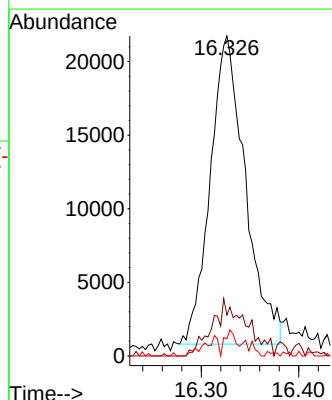
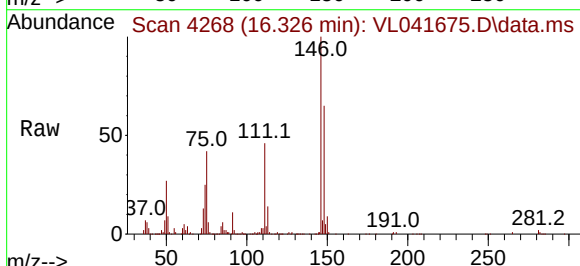
Tgt Ion: 91 Resp: 52484

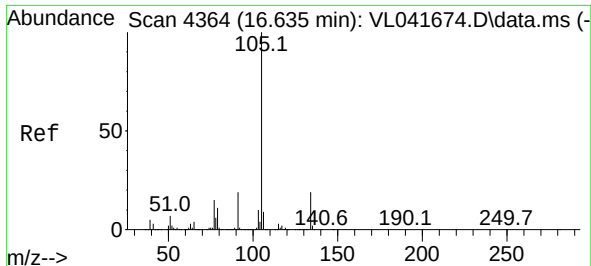
Ion Ratio Lower Upper

91 100

126 19.1 13.8 20.6

128 6.9 4.3 6.5#





#67

sec-Butylbenzene

Concen: 2.312 ppbv

RT: 16.632 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_L

ClientSampleId :

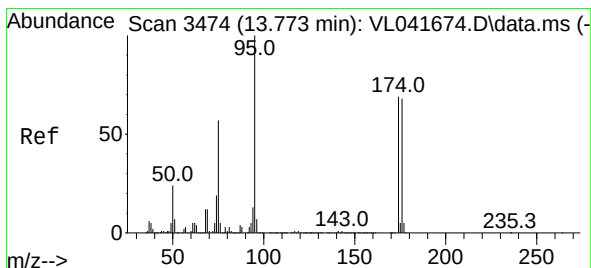
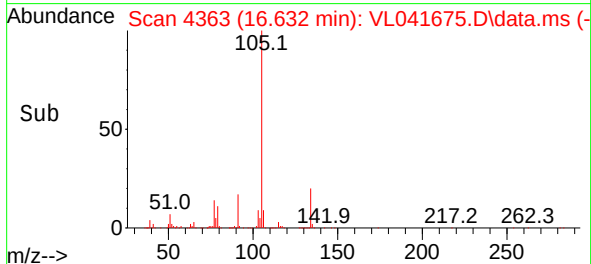
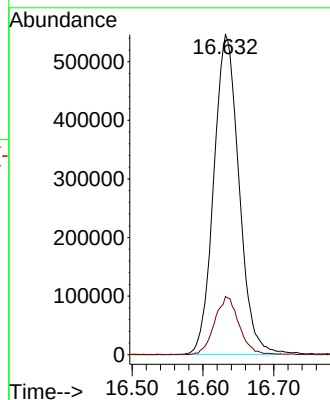
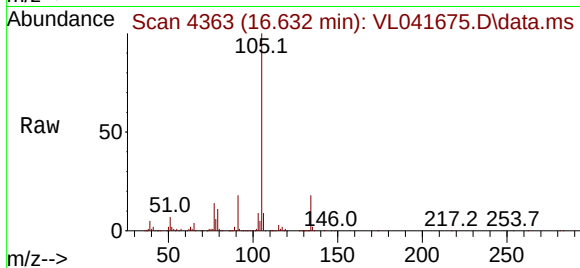
VSTDIC002

Tgt Ion:105 Resp: 1349679

Ion Ratio Lower Upper

105 100

134 17.8 14.6 22.0



#68

1-Bromo-4-Fluorobenzene

Concen: 9.764 ppbv

RT: 13.773 min Scan# 3474

Delta R.T. 0.000 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

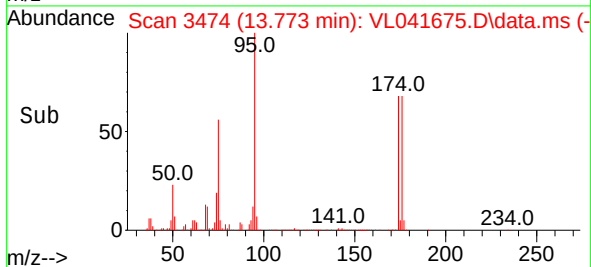
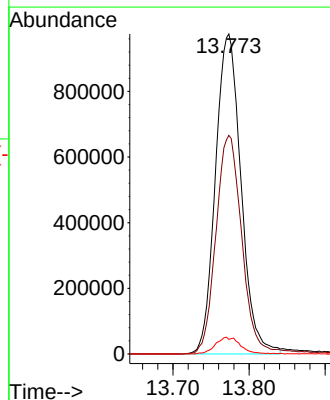
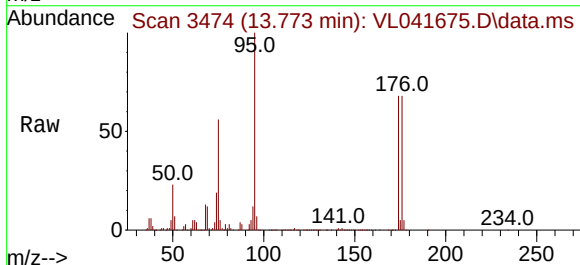
Tgt Ion: 95 Resp: 2278471

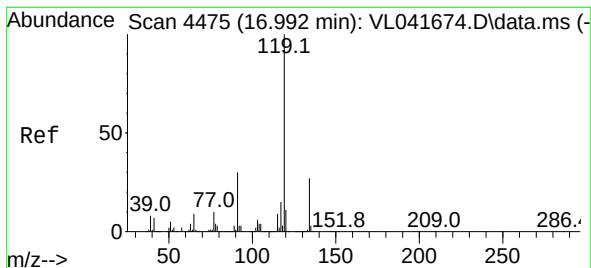
Ion Ratio Lower Upper

95 100

174 70.4 55.6 83.4

175 5.1 4.2 6.2





#69

p-Isopropyltoluene

Concen: 2.324 ppbv

RT: 16.992 min Scan# 4475

Delta R.T. 0.000 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_L

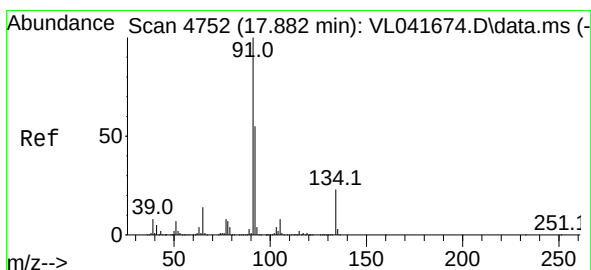
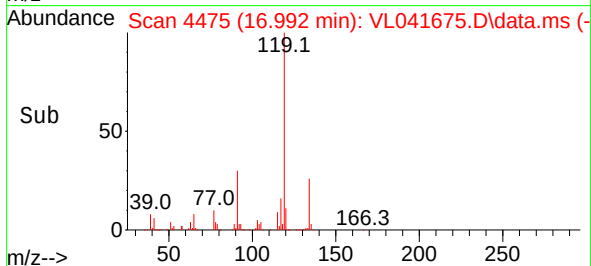
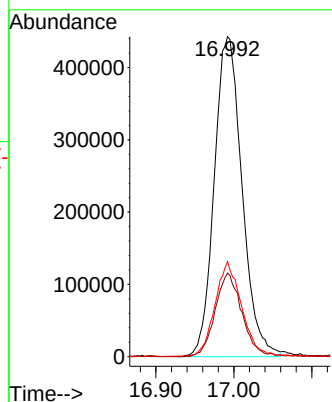
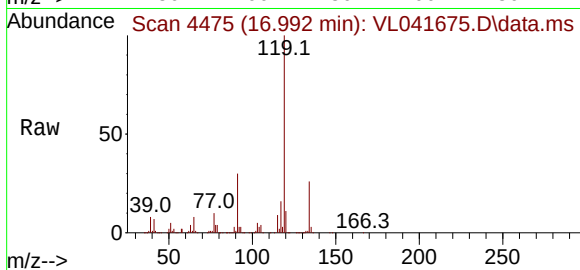
ClientSampleId :

VSTDICC002

Tgt Ion:119 Resp: 1097205

Ion Ratio Lower Upper

119	100		
134	25.4	20.8	31.2
91	28.6	23.2	34.8



#70

n-Butylbenzene

Concen: 2.293 ppbv

RT: 17.886 min Scan# 4753

Delta R.T. 0.003 min

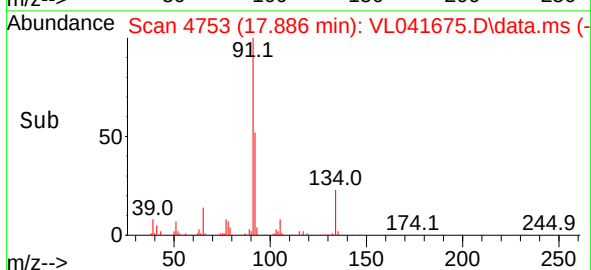
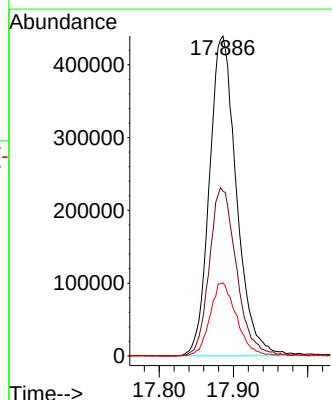
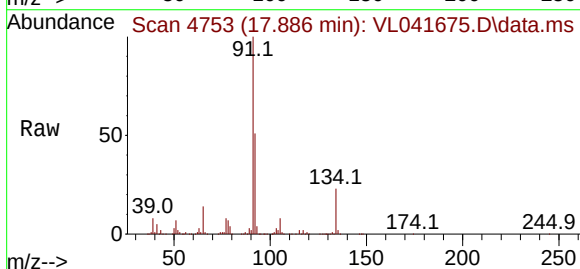
Lab File: VL041675.D

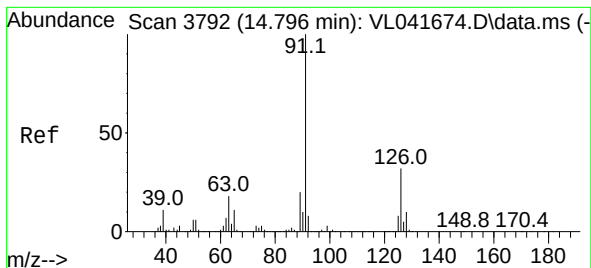
Acq: 7 Nov 2024 10:55

Tgt Ion: 91 Resp: 1109618

Ion Ratio Lower Upper

91	100		
92	53.4	43.3	64.9
134	22.9	18.4	27.6

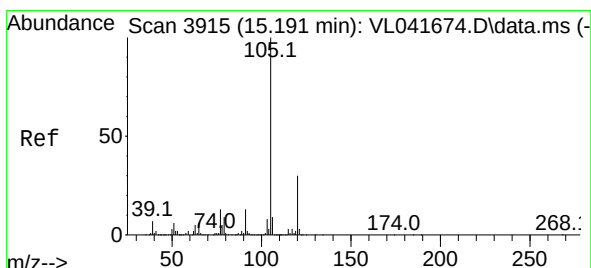
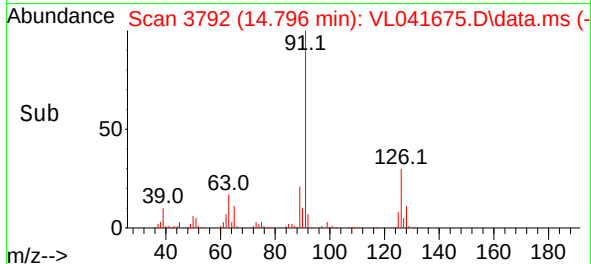
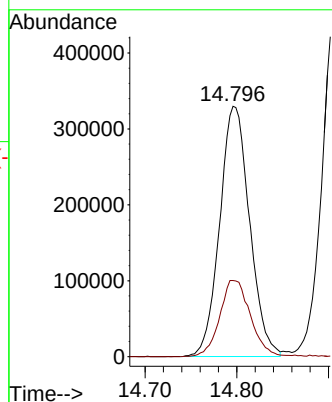
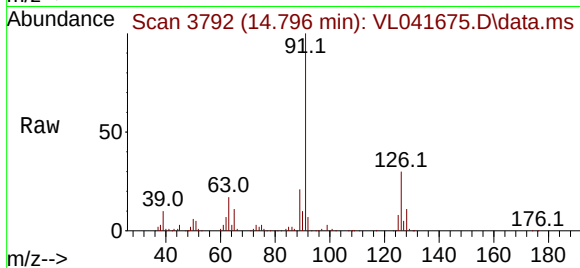




#71
2-Chlorotoluene
Concen: 2.238 ppbv
RT: 14.796 min Scan# 3792
Delta R.T. 0.000 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

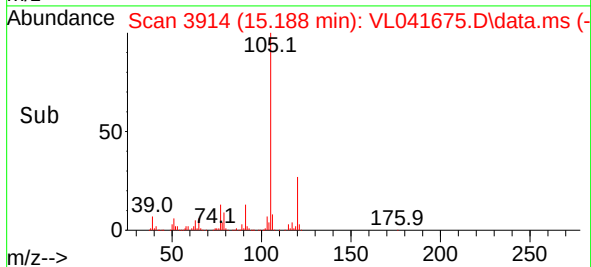
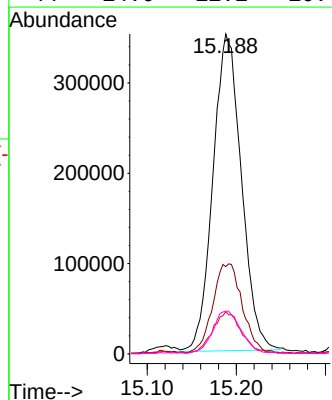
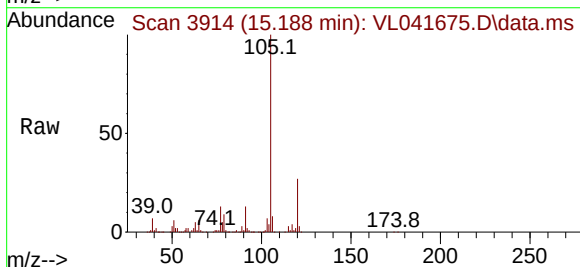
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC002

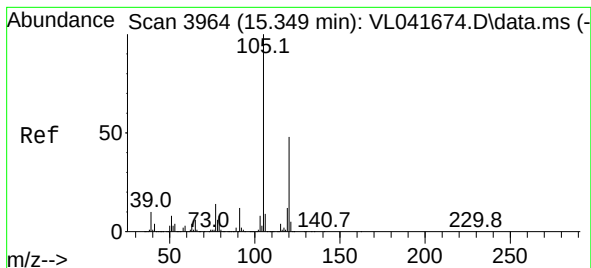
Tgt Ion: 91 Resp: 745884
Ion Ratio Lower Upper
91 100
126 31.7 12.8 51.0



#72
4-Ethyltoluene
Concen: 2.244 ppbv
RT: 15.188 min Scan# 3914
Delta R.T. -0.003 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

Tgt Ion:105 Resp: 777952
Ion Ratio Lower Upper
105 100
120 31.1 25.0 37.4
91 13.5 10.6 15.8
77 14.0 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 2.274 ppbv

RT: 15.346 min Scan# 3964

Delta R.T. -0.003 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_L

ClientSampleId :

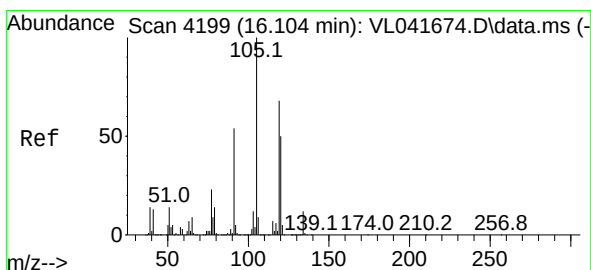
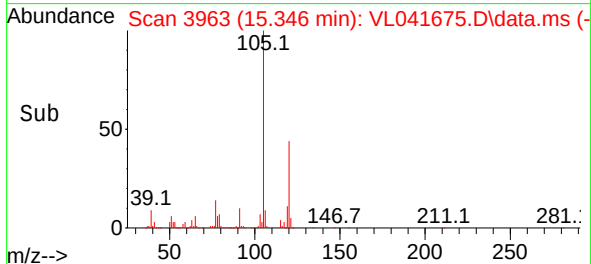
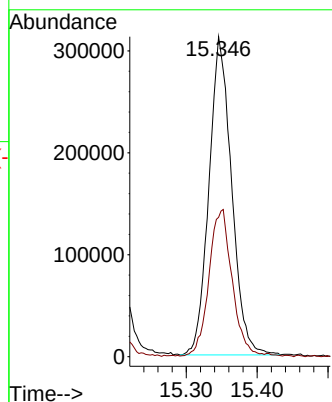
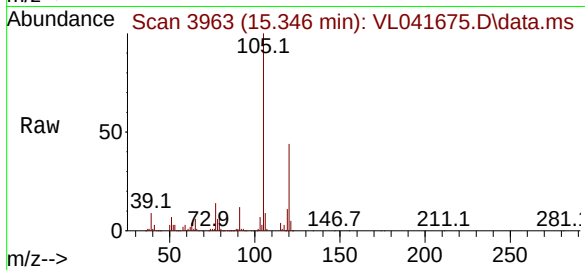
VSTDIC002

Tgt Ion:105 Resp: 691387

Ion Ratio Lower Upper

105 100

120 43.6 38.4 57.6



#74

1,2,4-Trimethylbenzene

Concen: 2.252 ppbv

RT: 16.101 min Scan# 4198

Delta R.T. -0.003 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Tgt Ion:105 Resp: 796450

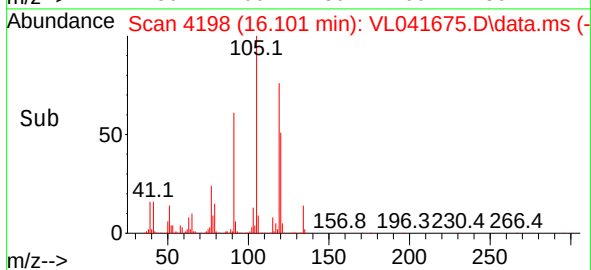
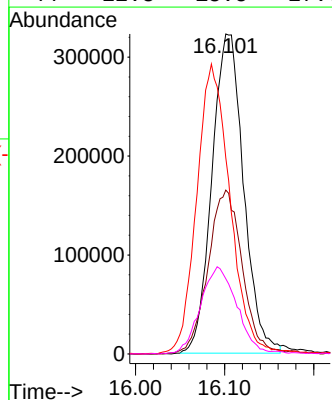
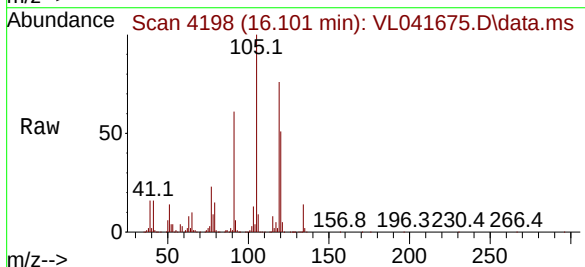
Ion Ratio Lower Upper

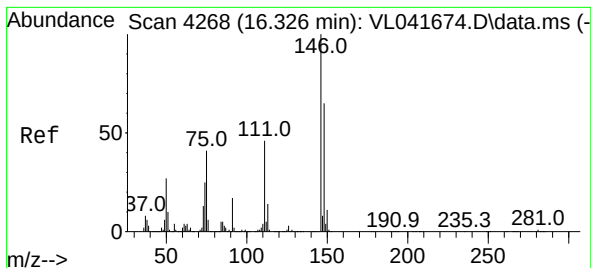
105 100

120 50.3 39.8 59.8

91 60.5 43.2 64.8

77 22.8 18.5 27.7





#75

1,3-Dichlorobenzene

Concen: 2.167 ppbv

RT: 16.329 min Scan# 4269

Delta R.T. 0.003 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC002

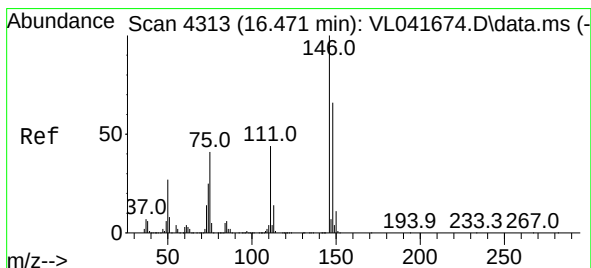
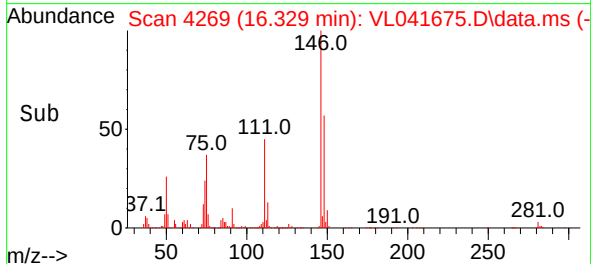
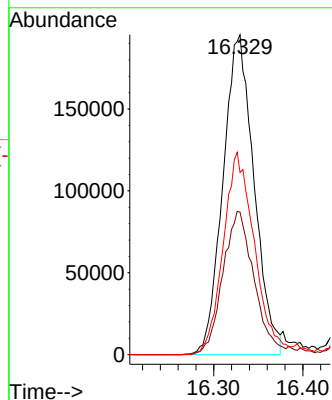
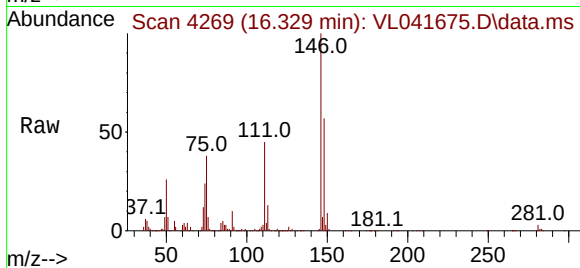
Tgt Ion:146 Resp: 473241

Ion Ratio Lower Upper

146 100

111 46.4 22.8 68.3

148 65.2 32.4 97.0



#76

1,4-Dichlorobenzene

Concen: 2.091 ppbv

RT: 16.471 min Scan# 4313

Delta R.T. 0.000 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

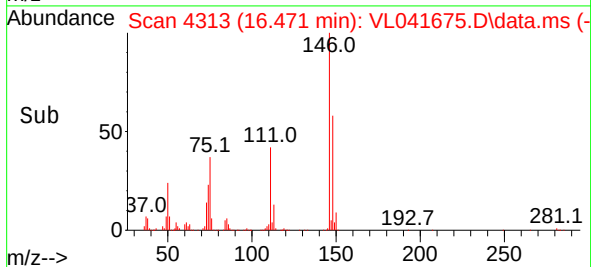
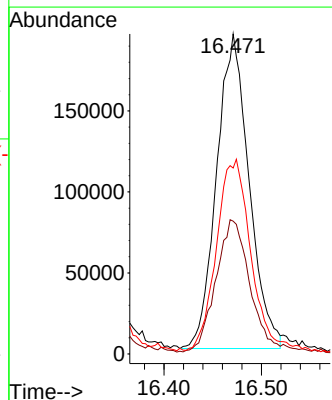
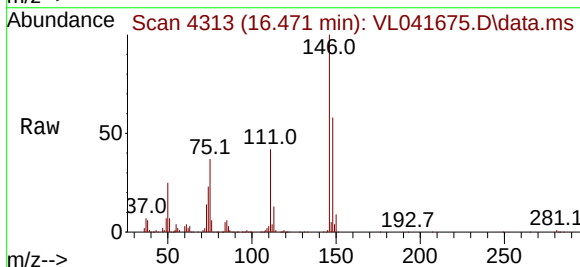
Tgt Ion:146 Resp: 448788

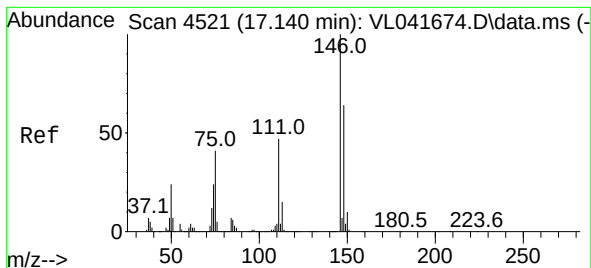
Ion Ratio Lower Upper

146 100

111 47.2 22.1 66.3

148 67.7 33.3 99.8





#77

1,2-Dichlorobenzene

Concen: 2.149 ppbv

RT: 17.140 min Scan# 4521

Delta R.T. 0.000 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC002

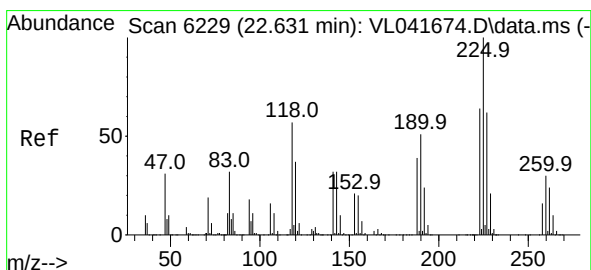
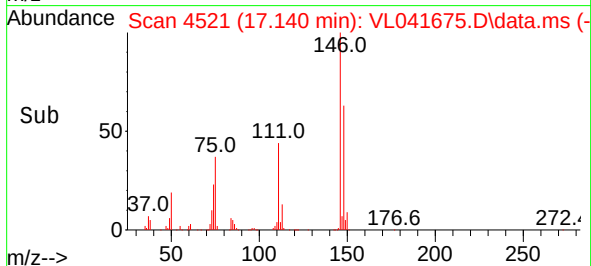
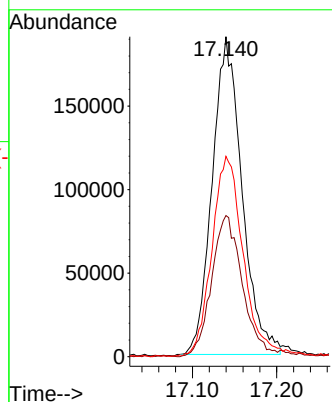
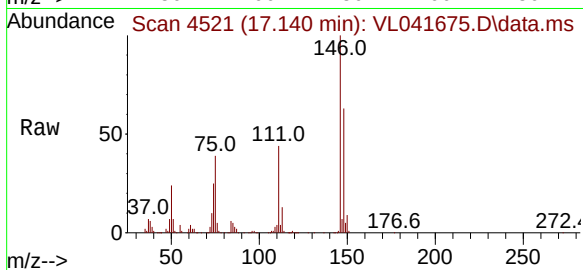
Tgt Ion:146 Resp: 466190

Ion Ratio Lower Upper

146 100

111 47.4 23.4 70.3

148 67.2 32.1 96.5



#78

Hexachloro-1,3-Butadiene

Concen: 2.144 ppbv

RT: 22.628 min Scan# 6228

Delta R.T. -0.003 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

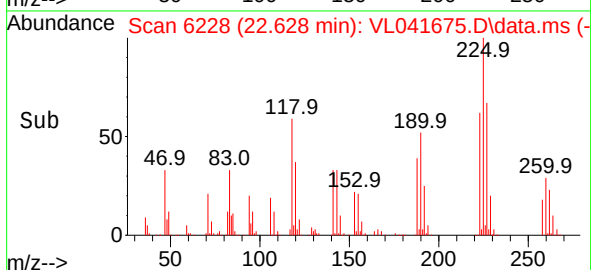
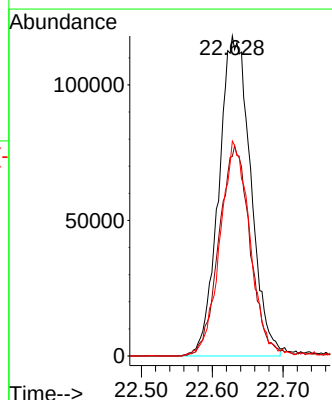
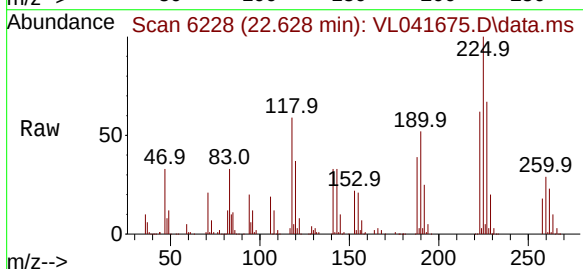
Tgt Ion:225 Resp: 367865

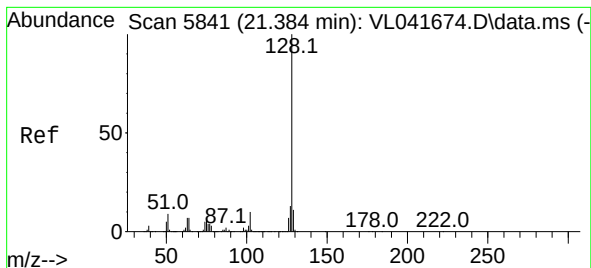
Ion Ratio Lower Upper

225 100

223 65.0 51.1 76.7

227 63.6 51.3 76.9





#79

Naphthalene

Concen: 2.478 ppbv

RT: 21.387 min Scan# 5841

Delta R.T. 0.003 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC002

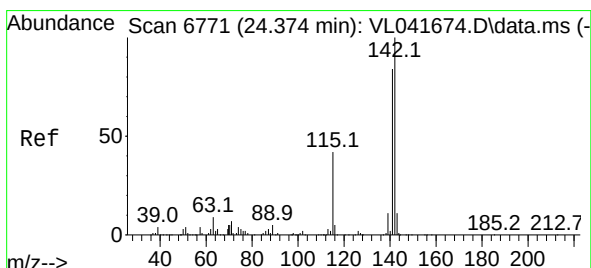
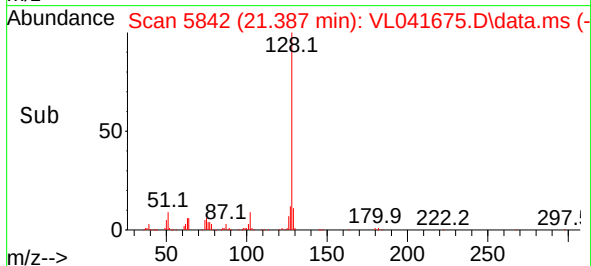
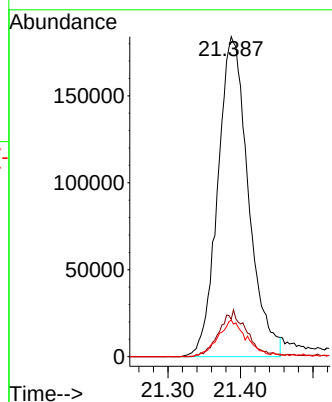
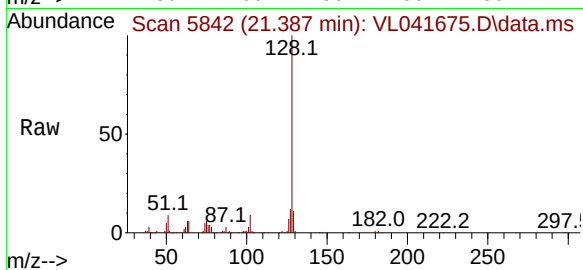
Tgt Ion:128 Resp: 538842

Ion Ratio Lower Upper

128 100

127 11.7 10.5 15.7

129 11.4 8.7 13.1



#80

Naphthalene, 2-methyl-

Concen: 2.513 ppbv

RT: 24.381 min Scan# 6773

Delta R.T. 0.006 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

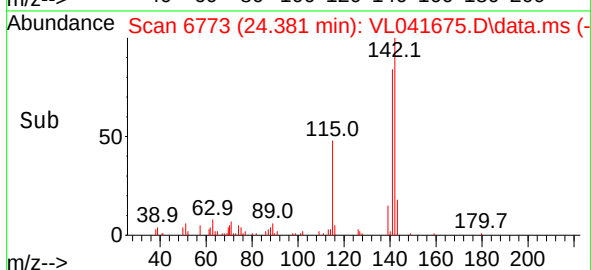
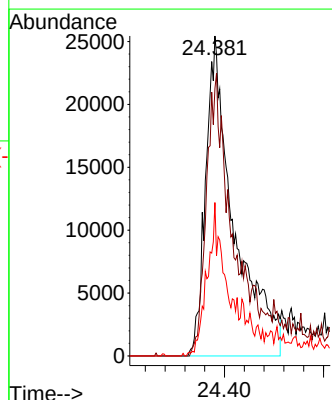
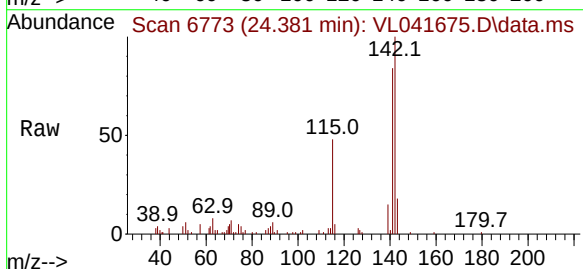
Tgt Ion:142 Resp: 101409

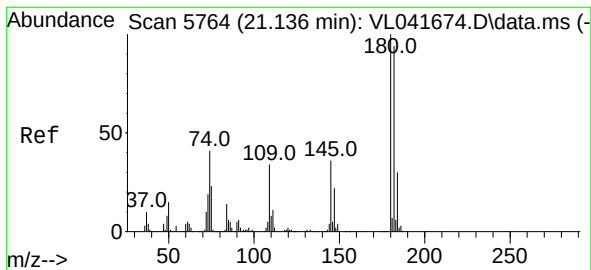
Ion Ratio Lower Upper

142 100

141 88.0 68.1 102.1

115 37.6 33.1 49.7

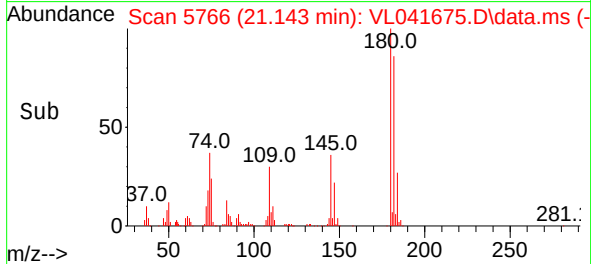
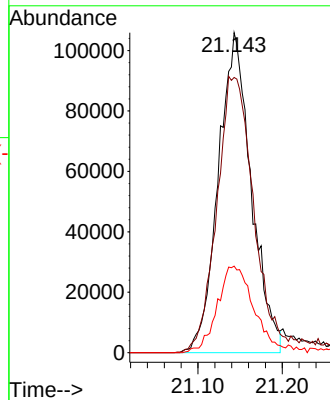
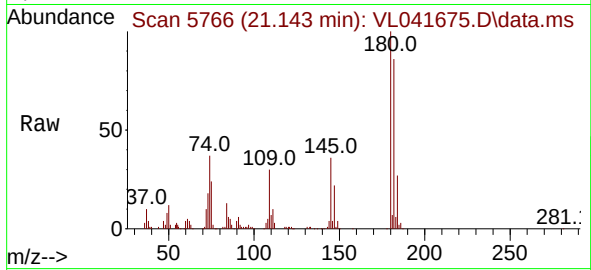




#81
 1,2,4-Trichlorobenzene
 Concen: 2.127 ppbv
 RT: 21.143 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VL041675.D
 Acq: 7 Nov 2024 10:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion:180 Resp: 287687
 Ion Ratio Lower Upper
 180 100
 182 99.1 78.2 117.2
 184 30.6 25.0 37.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
 Data File : VL041676.D
 Acq On : 7 Nov 2024 11:34
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Quant Time: Nov 08 00:10:33 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Nov 08 00:07:44 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.185	49	1184622	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	3332226	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	3067671	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.773	95	2285234	10.073	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.700%

Target Compounds	Qvalue					
2) Dichlorodifluoromethane	2.726	85	181618	0.848	ppbv	98
3) Chlorodifluoromethane	2.671	51	164131	1.063	ppbv	100
4) Chloromethane	2.812	50	86683	1.060	ppbv	100
5) Vinyl Chloride	2.915	62	78147	1.055	ppbv	100
6) Bromomethane	3.118	94	38811	0.995	ppbv	89
7) Chloroethane	3.195	64	27451	1.023	ppbv	94
8) Dichlorotetrafluoroethane	2.854	85	198669	1.039	ppbv	99
9) Propene	2.690	41	72231	1.074	ppbv	95
10) Heptane	7.574	43	148906	0.988	ppbv	96
11) Trichlorofluoromethane	3.562	101	194775	1.044	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.063	101	141527	1.044	ppbv	98
13) Ethanol	3.256	45	3961	0.947	ppbv #	48
14) Bromoethene	3.359	108	55094	1.011	ppbv #	92
15) Acetone	3.475	43	166255	1.140	ppbv	99
16) 1,3-Butadiene	2.980	39	65479	0.896	ppbv #	78
17) tert-Butyl alcohol	3.883	59	153265	1.198	ppbv	99
18) 1,1-Dichloroethene	3.873	96	58180	0.979	ppbv	97
19) Isopropyl Alcohol	3.584	45	82398	1.168	ppbv #	91
20) Methylene Chloride	3.928	84	59394	1.107	ppbv	96
21) Allyl Chloride	3.992	41	95568	1.061	ppbv	98
22) trans-1,2-Dichloroethene	4.439	96	29921	0.504	ppbv	87
23) Vinyl Acetate	4.626	43	56204	0.820	ppbv #	93
24) 1,1-Dichloroethane	4.555	63	132214	1.002	ppbv	99
25) Ethyl Acetate	5.205	43	316814	1.050	ppbv	98
26) Hexane	5.208	57	122113	1.053	ppbv	94
27) Carbon Disulfide	4.121	76	125113	0.961	ppbv	97
28) Methyl tert-Butyl Ether	4.587	73	79309	1.062	ppbv	98
29) Chloroform	5.269	83	197891	1.034	ppbv	100
30) Cyclohexane	6.597	84	88127	0.946	ppbv	89
31) cis-1,2-Dichloroethene	5.073	61	115115	1.032	ppbv	94
32) 1,1,1-Trichloroethane	5.996	97	186425	1.063	ppbv	100
34) 2-Butanone	4.790	43	166525	1.004	ppbv	99
35) Carbon Tetrachloride	6.491	117	187475	1.064	ppbv	96
36) Benzene	6.369	78	250318	1.014	ppbv	98
37) 1,2-Dichloroethane	5.803	62	144449	1.037	ppbv	100
38) Trichloroethene	7.288	130	96191	1.010	ppbv	93
39) 1,2-Dichloropropane	7.069	63	99780	1.023	ppbv	91
40) 1,4-Dioxane	7.298	88	8783	0.254	ppbv #	1
41) Tetrahydrofuran	5.571	42	93643	0.989	ppbv	99
42) Bromodichloromethane	7.246	83	188568	0.974	ppbv	100
43) Methyl Methacrylate	7.478	69	78902	0.910	ppbv	90
44) 2,2,4-Trimethylpentane	7.327	57	435343	1.041	ppbv	98
45) t-1,3-Dichloropropene	8.709	75	37335	0.482	ppbv	93

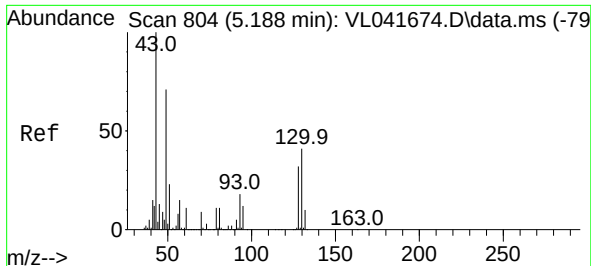
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 Data File : VL041676.D
 Acq On : 7 Nov 2024 11:34
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Quant Time: Nov 08 00:10:33 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Nov 08 00:07:44 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.143	75	101425	0.901	ppbv	95
47) 1,1,2-Trichloroethane	8.896	97	104883	0.997	ppbv	92
48) Dibromochloromethane	9.709	129	152757	0.952	ppbv	99
49) Bromoform	12.400	173	61535	0.449	ppbv #	27
50) 4-Methyl-2-Pentanone	8.188	43	250885	0.985	ppbv	99
51) 2-Hexanone	9.571	43	165158	0.892	ppbv #	100
52) Tetrachloroethene	10.610	164	92977	1.102	ppbv	93
53) Toluene	9.217	91	253501	0.976	ppbv	98
54) 1,2-Dibromoethane	10.008	107	122096	0.994	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.510	131	133283	1.043	ppbv #	1
57) Chlorobenzene	11.523	112	239417	1.047	ppbv	97
58) Ethyl Benzene	12.089	91	334939	0.986	ppbv	91
59) m/p-Xylene	12.368	91	291390	0.959	ppbv #	23
60) o-Xylene	13.053	91	293793	1.012	ppbv	100
61) Styrene	12.892	104	102947	0.859	ppbv	96
62) Isopropylbenzene	14.031	105	468382	1.045	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.047	83	226867	1.074	ppbv	97
64) n-propylbenzene	14.915	120	115677	0.987	ppbv	82
65) tert-Butylbenzene	16.092	119	424019	1.053	ppbv	98
66) Benzyl Chloride	16.326	91	17066	0.588	ppbv #	80
67) sec-Butylbenzene	16.638	105	596449	1.051	ppbv	99
69) p-Isopropyltoluene	16.998	119	480893	1.048	ppbv	99
70) n-Butylbenzene	17.889	91	484367	1.030	ppbv	97
71) 2-Chlorotoluene	14.799	91	331921	1.024	ppbv	99
72) 4-Ethyltoluene	15.191	105	327541	0.972	ppbv	98
73) 1,3,5-Trimethylbenzene	15.352	105	290287	0.982	ppbv	93
74) 1,2,4-Trimethylbenzene	16.111	105	360083	1.047	ppbv #	89
75) 1,3-Dichlorobenzene	16.326	146	218228	1.028	ppbv	99
76) 1,4-Dichlorobenzene	16.471	146	203100	0.973	ppbv	95
77) 1,2-Dichlorobenzene	17.143	146	221404	1.050	ppbv	98
78) Hexachloro-1,3-Butadiene	22.632	225	100082	0.600	ppbv #	30
79) Naphthalene	21.384	128	72664	0.344	ppbv	97
80) Naphthalene,2-methyl-	24.374	142	30468	0.777	ppbv #	83
81) 1,2,4-Trichlorobenzene	21.146	180	80566	0.613	ppbv #	42

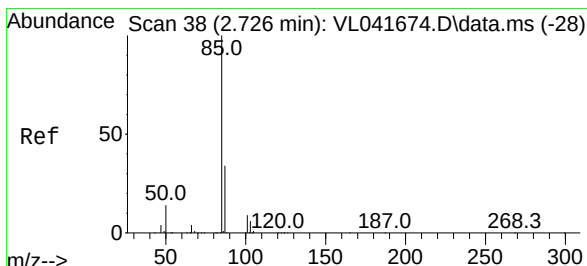
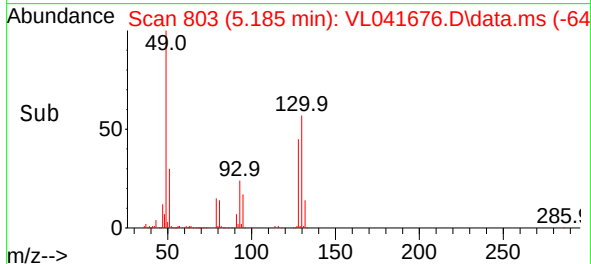
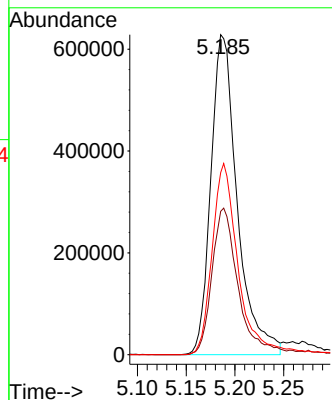
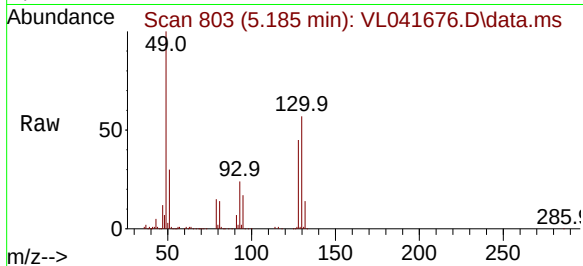
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.185 min Scan# 804
Delta R.T. -0.003 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

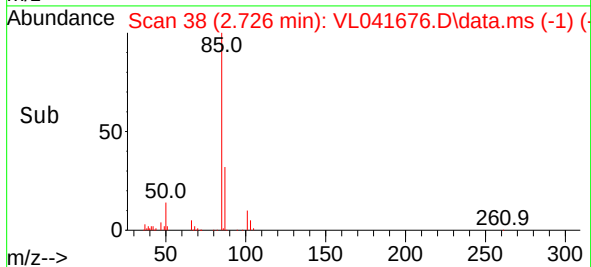
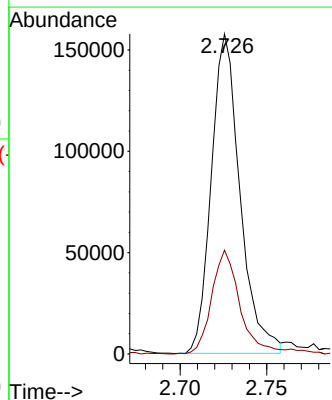
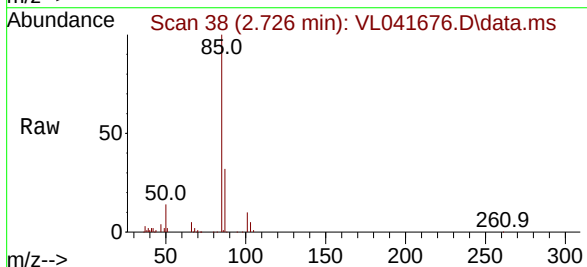
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

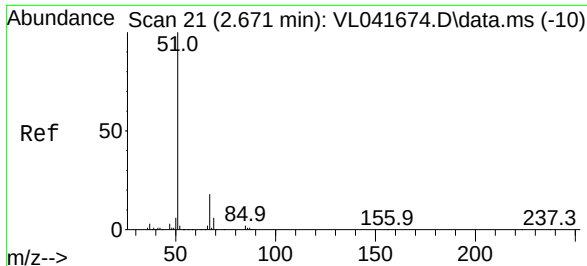
Tgt Ion: 49 Resp: 1184622
Ion Ratio Lower Upper
49 100
128 47.2 23.8 71.2
130 61.0 30.1 90.5



#2
Dichlorodifluoromethane
Concen: 0.848 ppbv
RT: 2.726 min Scan# 38
Delta R.T. 0.000 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

Tgt Ion: 85 Resp: 181618
Ion Ratio Lower Upper
85 100
87 32.3 26.8 40.2

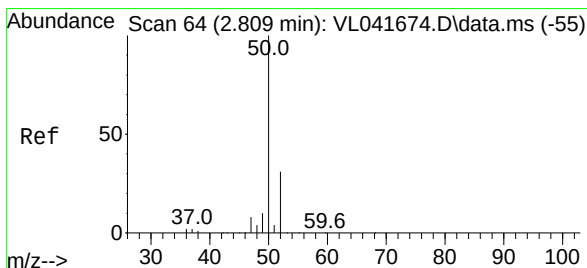
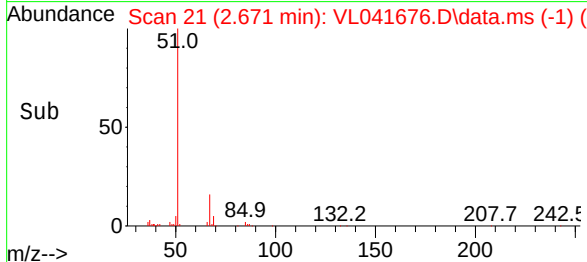
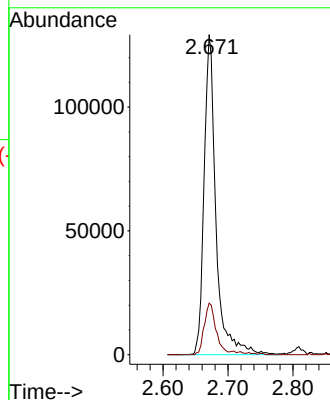
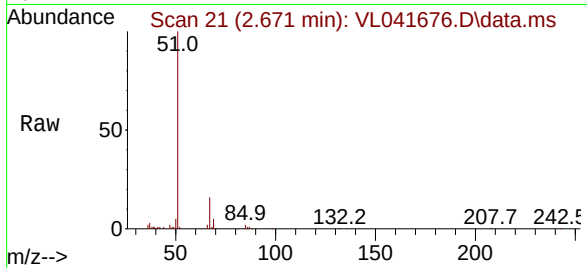




#3
Chlorodifluoromethane
Concen: 1.063 ppbv
RT: 2.671 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

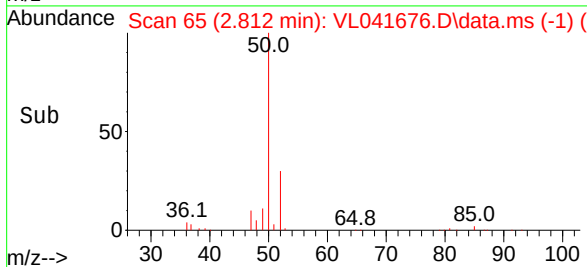
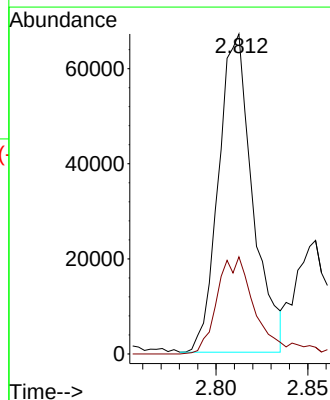
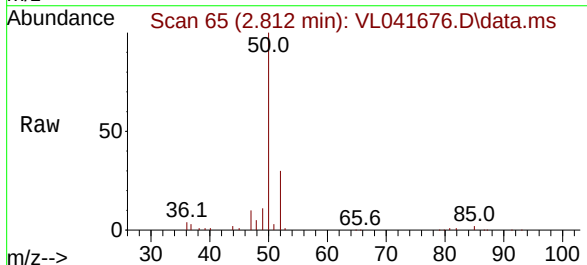
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

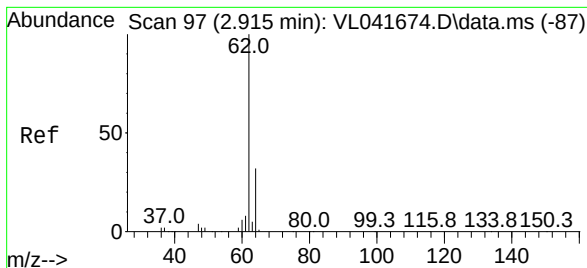
Tgt Ion: 51 Resp: 164131
Ion Ratio Lower Upper
51 100
67 17.3 13.9 20.9



#4
Chloromethane
Concen: 1.060 ppbv
RT: 2.812 min Scan# 65
Delta R.T. 0.003 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

Tgt Ion: 50 Resp: 86683
Ion Ratio Lower Upper
50 100
52 31.2 24.9 37.3





#5

Vinyl Chloride

Concen: 1.055 ppbv

RT: 2.915 min Scan# 91

Delta R.T. 0.000 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

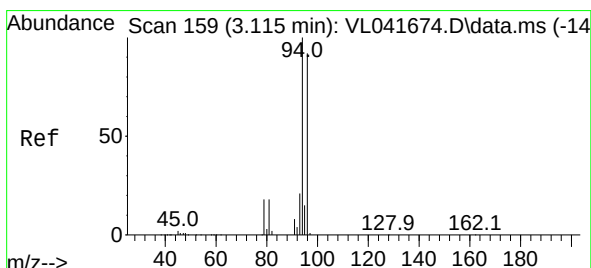
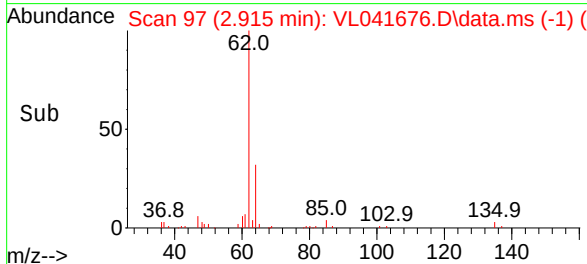
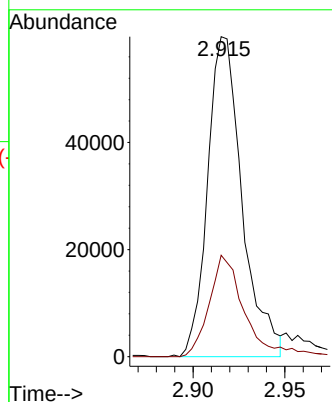
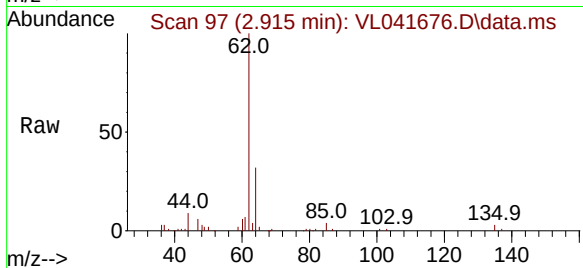
VSTDIC001

Tgt Ion: 62 Resp: 78147

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.2



#6

Bromomethane

Concen: 0.995 ppbv

RT: 3.118 min Scan# 160

Delta R.T. 0.003 min

Lab File: VL041676.D

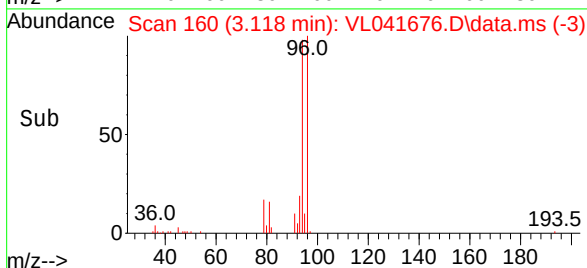
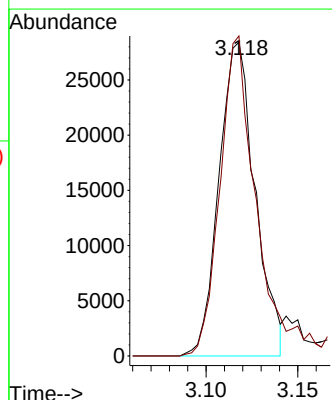
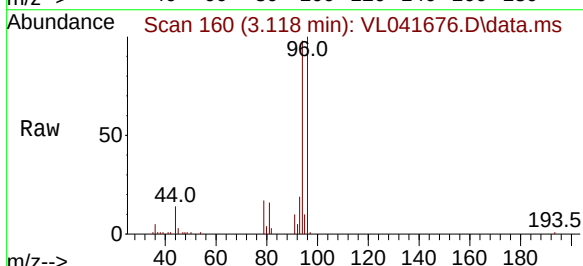
Acq: 7 Nov 2024 11:34

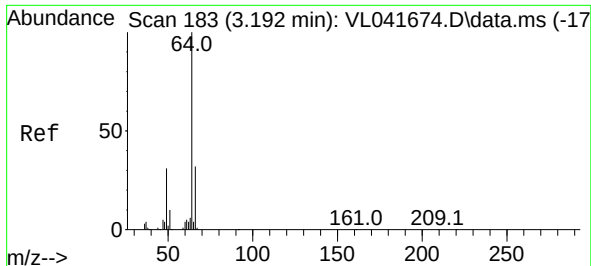
Tgt Ion: 94 Resp: 38811

Ion Ratio Lower Upper

94 100

96 102.0 73.4 110.2

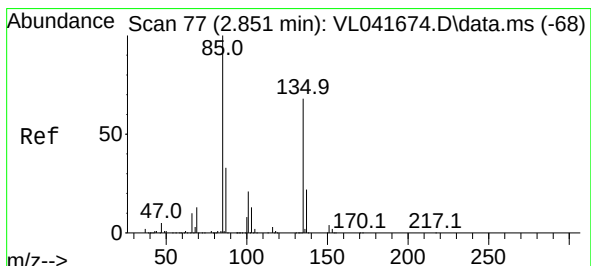
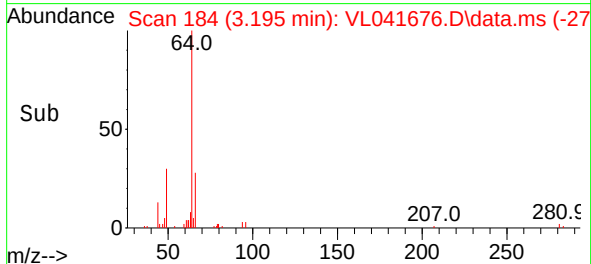
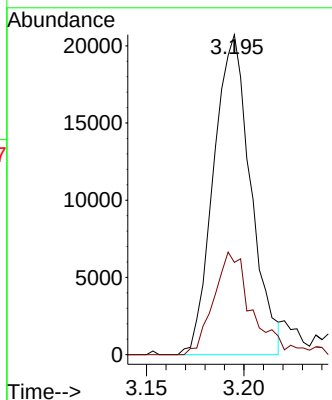
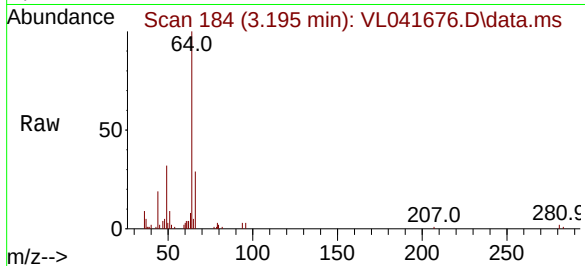




#7
Chloroethane
Concen: 1.023 ppbv
RT: 3.195 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

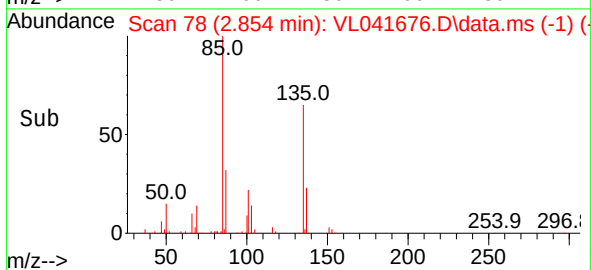
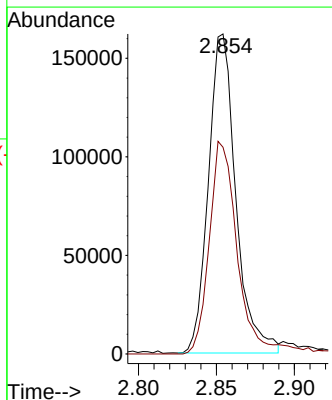
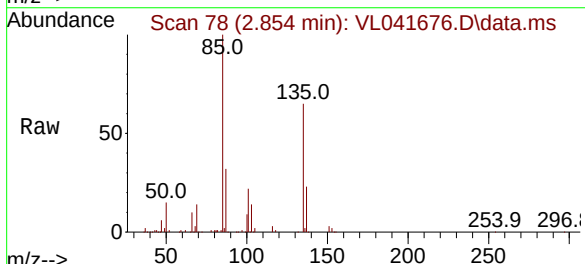
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

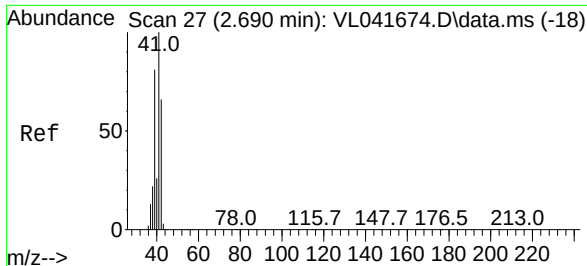
Tgt Ion: 64 Resp: 27451
Ion Ratio Lower Upper
64 100
66 28.8 25.9 38.9



#8
Dichlorotetrafluoroethane
Concen: 1.039 ppbv
RT: 2.854 min Scan# 78
Delta R.T. 0.003 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

Tgt Ion: 85 Resp: 198669
Ion Ratio Lower Upper
85 100
135 70.3 55.5 83.3

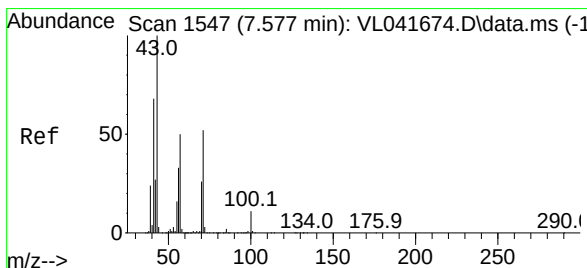
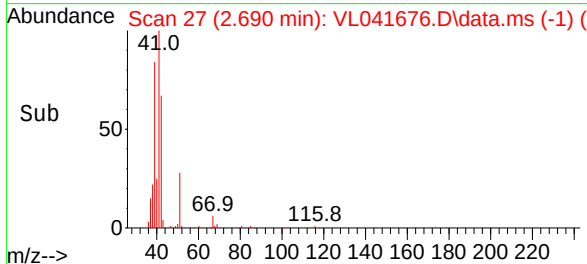
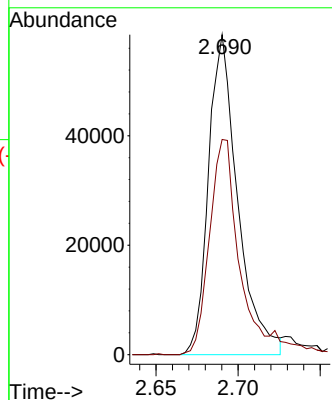
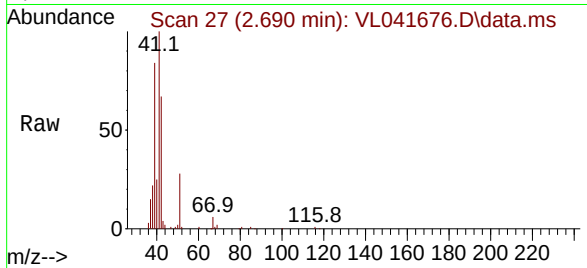




#9
Propene
Concen: 1.074 ppbv
RT: 2.690 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

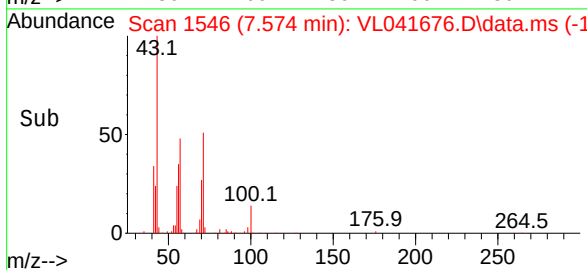
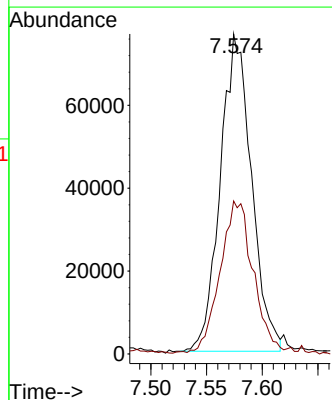
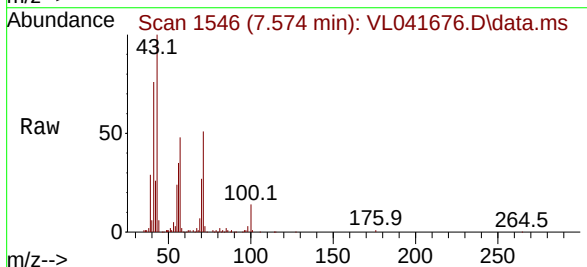
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

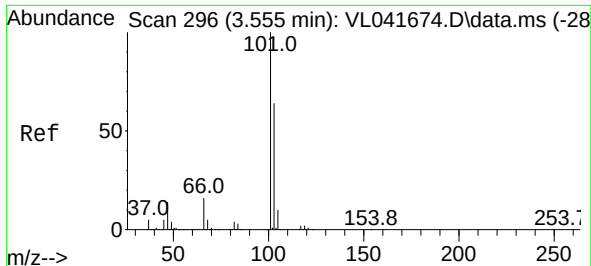
Tgt Ion: 41 Resp: 72231
Ion Ratio Lower Upper
41 100
42 72.6 55.0 82.4



#10
Heptane
Concen: 0.988 ppbv
RT: 7.574 min Scan# 1546
Delta R.T. -0.003 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

Tgt Ion: 43 Resp: 148906
Ion Ratio Lower Upper
43 100
57 52.6 40.0 60.0





#11

Trichlorofluoromethane

Concen: 1.044 ppbv

RT: 3.562 min Scan# 296

Delta R.T. 0.007 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

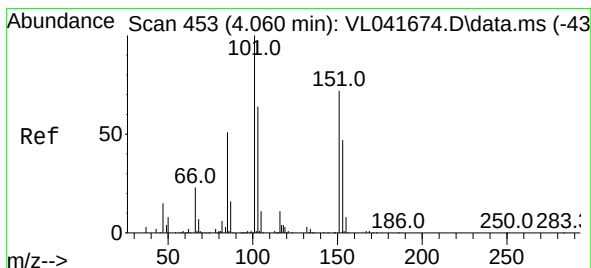
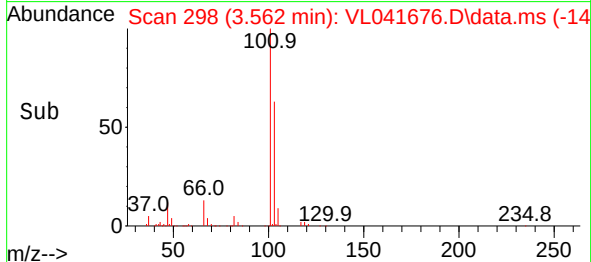
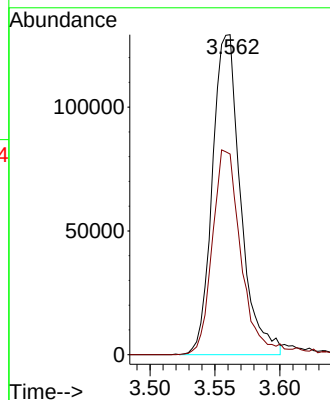
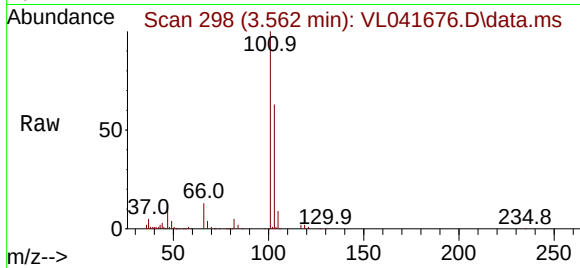
VSTDIC001

Tgt Ion:101 Resp: 194775

Ion Ratio Lower Upper

101 100

103 62.6 51.0 76.6



#12

1,1,2-Trichlorotrifluoroethane

Concen: 1.044 ppbv

RT: 4.063 min Scan# 454

Delta R.T. 0.003 min

Lab File: VL041676.D

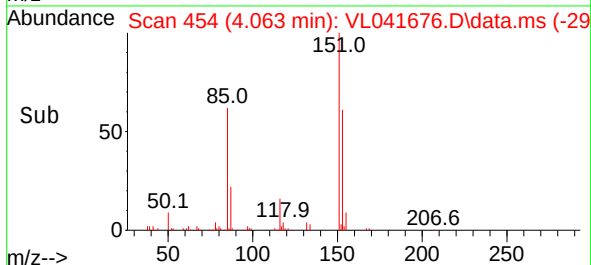
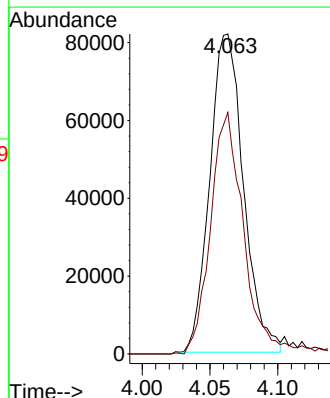
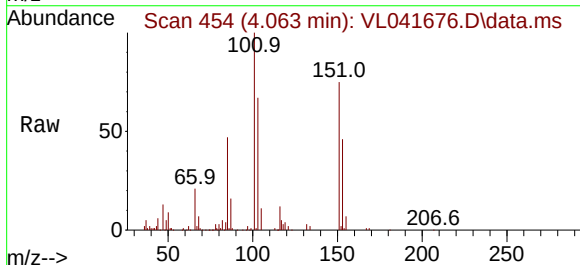
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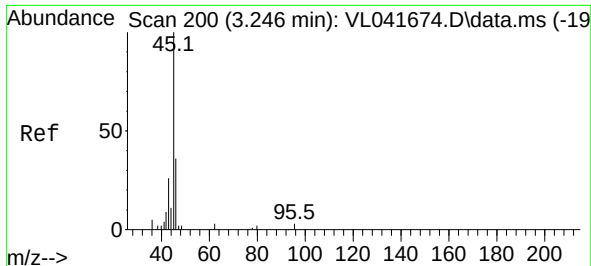
Tgt Ion:101 Resp: 141527

Ion Ratio Lower Upper

101 100

151 75.7 59.1 88.7





#13

Ethanol

Concen: 0.947 ppbv

RT: 3.256 min Scan# 20

Delta R.T. 0.010 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

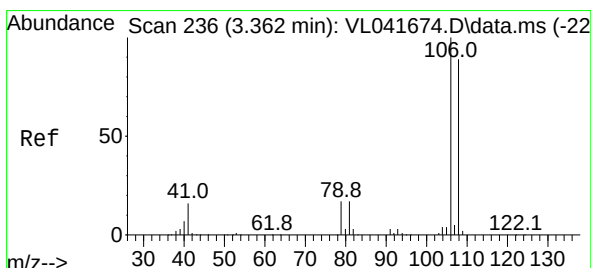
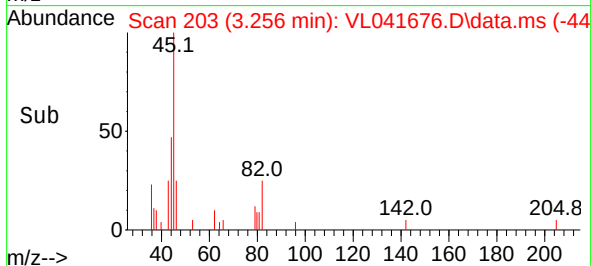
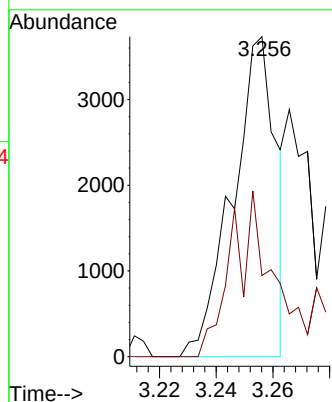
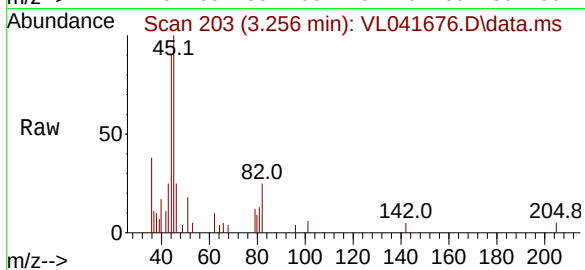
VSTDIC001

Tgt Ion: 45 Resp: 3961

Ion Ratio Lower Upper

45 100

46 64.4 13.8 55.2#



#14

Bromoethene

Concen: 1.011 ppbv

RT: 3.359 min Scan# 235

Delta R.T. -0.003 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

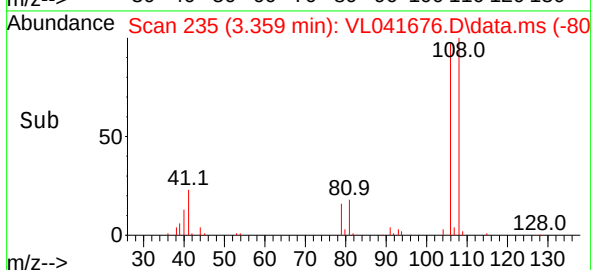
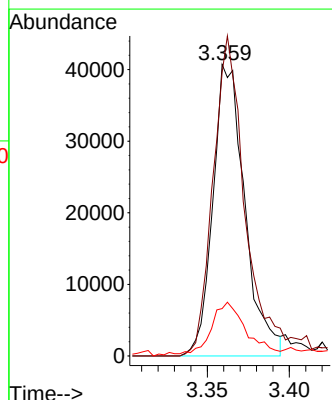
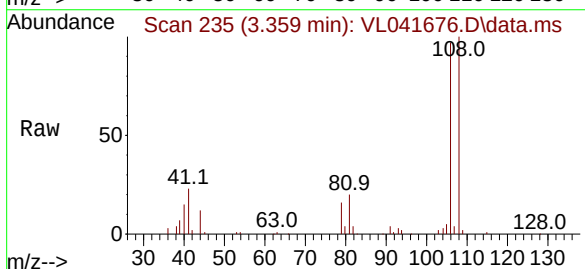
Tgt Ion:108 Resp: 55094

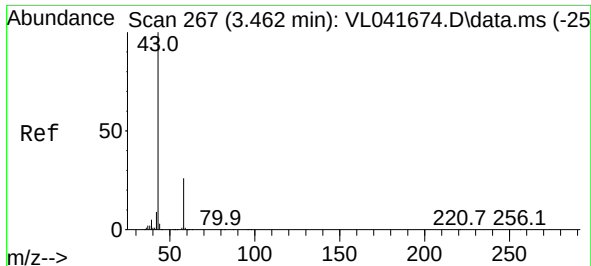
Ion Ratio Lower Upper

108 100

106 117.6 88.6 133.0

79 26.0 15.6 23.4#

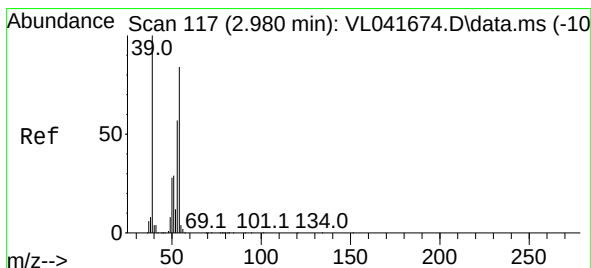
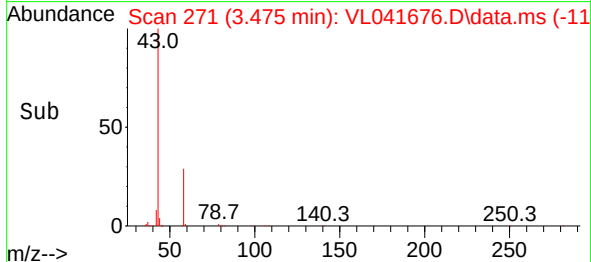
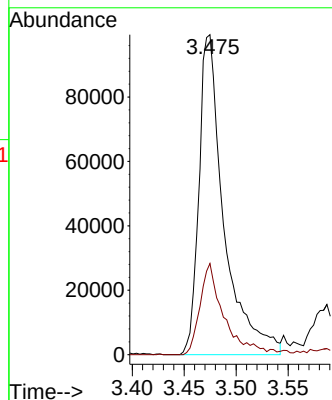
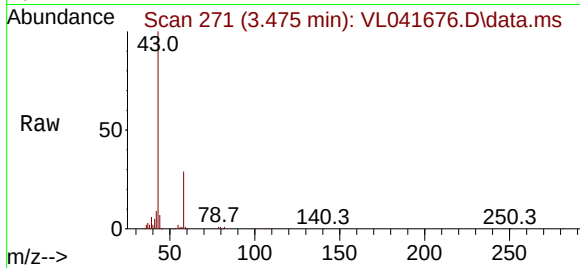




#15
Acetone
Concen: 1.140 ppbv
RT: 3.475 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

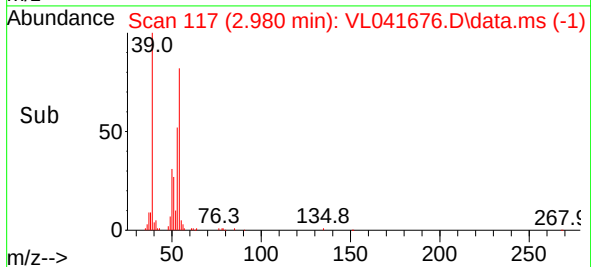
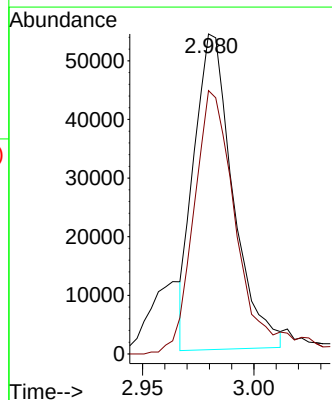
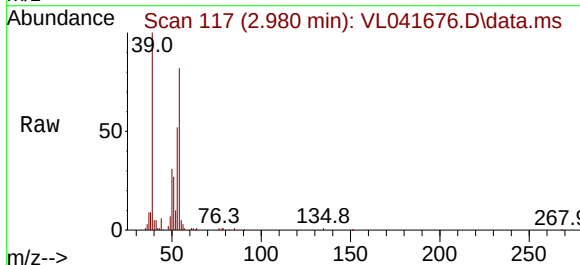
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

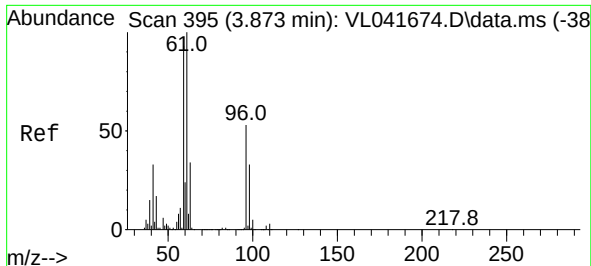
Tgt Ion: 43 Resp: 166255
Ion Ratio Lower Upper
43 100
58 27.3 21.4 32.0



#16
1,3-Butadiene
Concen: 0.896 ppbv
RT: 2.980 min Scan# 117
Delta R.T. 0.000 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

Tgt Ion: 39 Resp: 65479
Ion Ratio Lower Upper
39 100
54 95.5 61.3 91.9#





#17

tert-Butyl alcohol

Concen: 1.198 ppbv

RT: 3.883 min Scan# 398

Delta R.T. 0.010 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

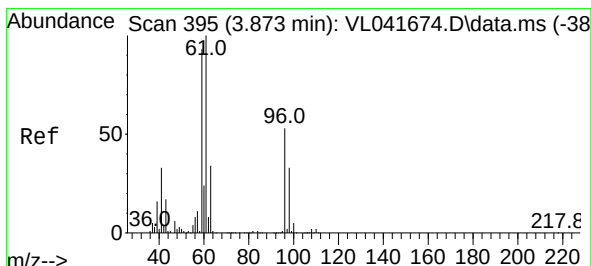
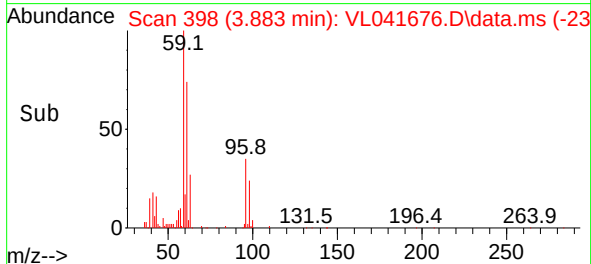
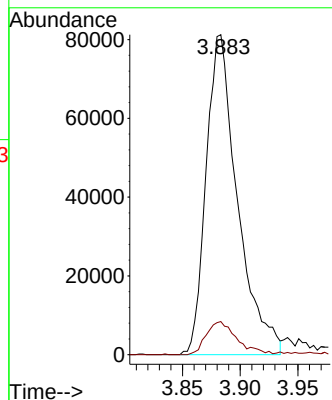
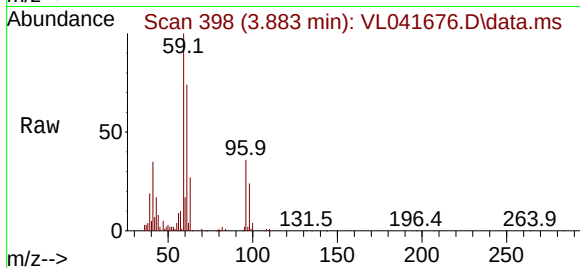
VSTDIC001

Tgt Ion: 59 Resp: 153265

Ion Ratio Lower Upper

59 100

57 10.2 8.5 12.7



#18

1,1-Dichloroethene

Concen: 0.979 ppbv

RT: 3.873 min Scan# 395

Delta R.T. 0.000 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

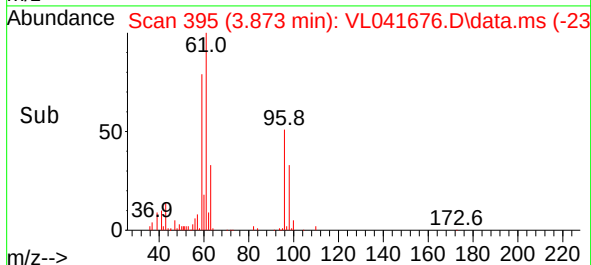
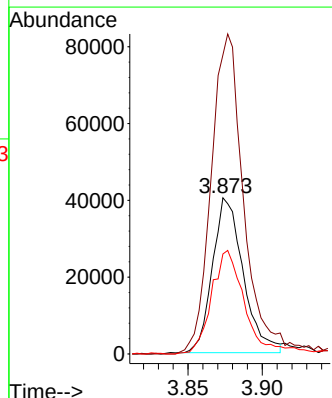
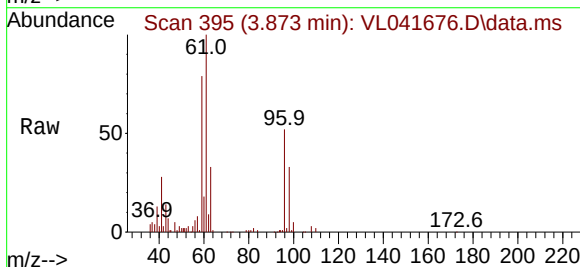
Tgt Ion: 96 Resp: 58180

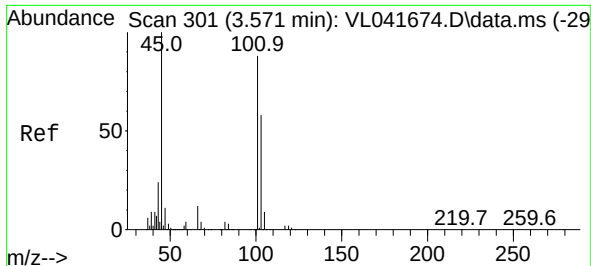
Ion Ratio Lower Upper

96 100

61 191.9 150.7 226.1

98 64.0 49.4 74.2





#19

Isopropyl Alcohol

Concen: 1.168 ppbv

RT: 3.584 min Scan# 301

Delta R.T. 0.013 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

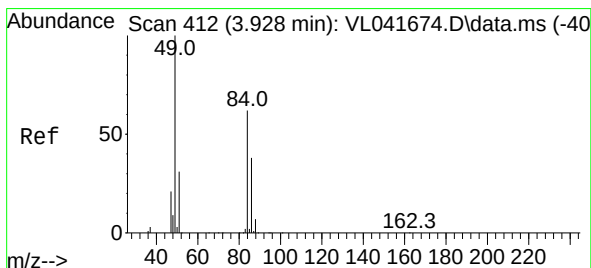
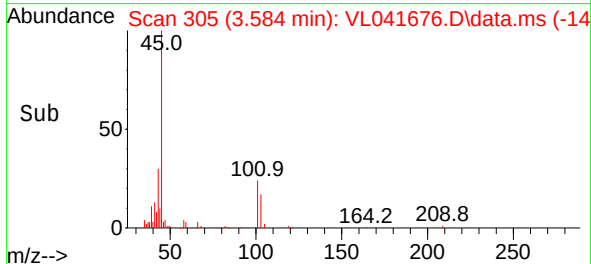
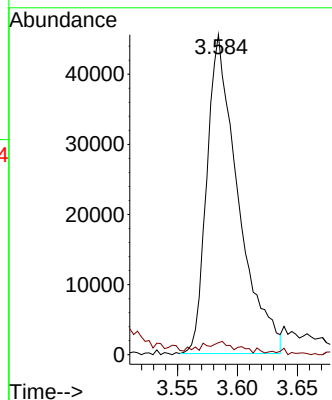
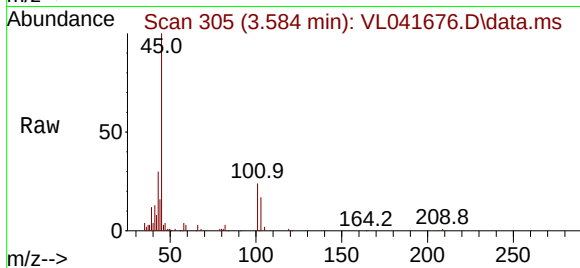
VSTDIC001

Tgt Ion: 45 Resp: 82398

Ion Ratio Lower Upper

45 100

58 6.2 2.5 3.7#



#20

Methylene Chloride

Concen: 1.107 ppbv

RT: 3.928 min Scan# 412

Delta R.T. 0.000 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Tgt Ion: 84 Resp: 59394

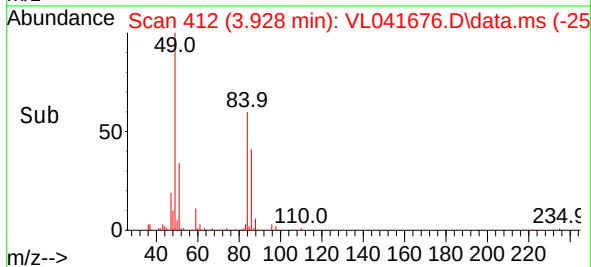
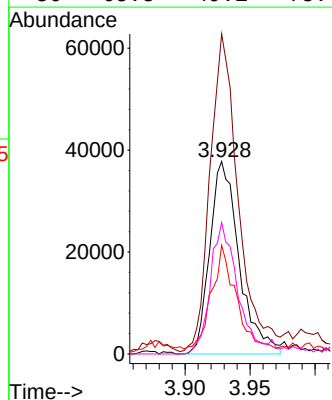
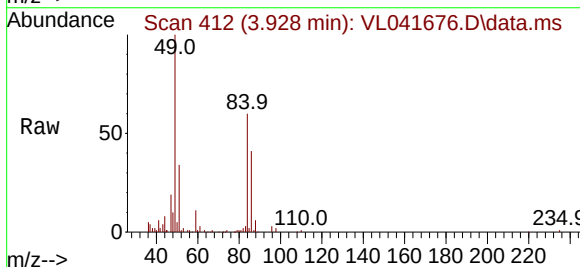
Ion Ratio Lower Upper

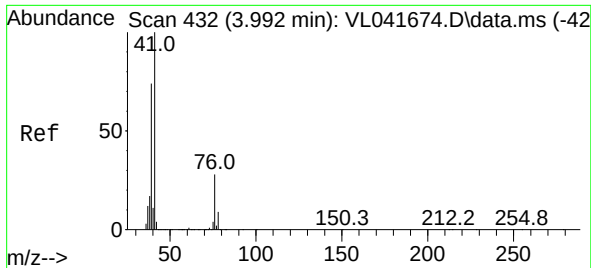
84 100

49 165.0 129.7 194.5

51 52.7 39.8 59.6

86 68.3 49.1 73.7

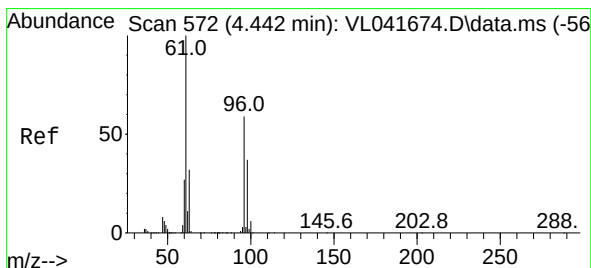
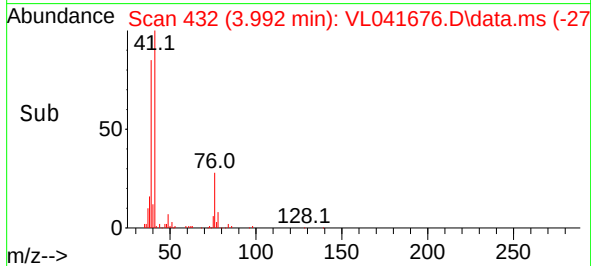
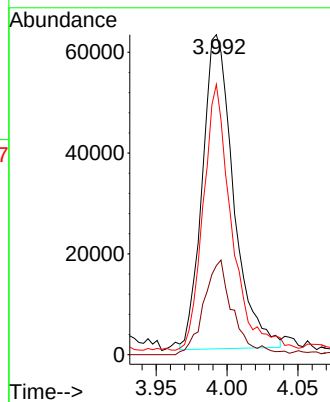
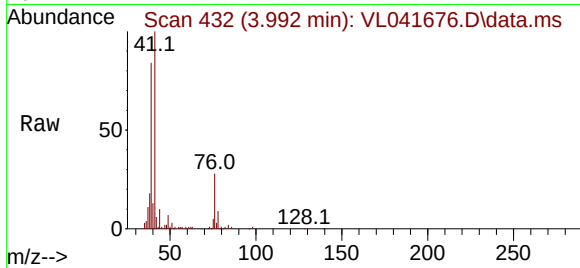




#21
 Allyl Chloride
 Concen: 1.061 ppbv
 RT: 3.992 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL041676.D
 Acq: 7 Nov 2024 11:34

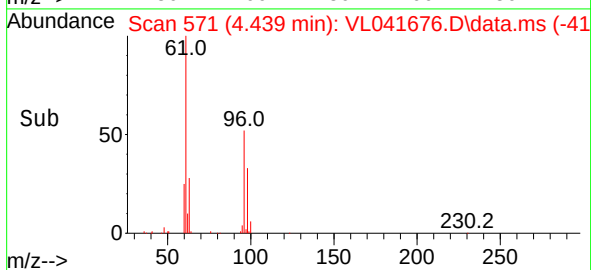
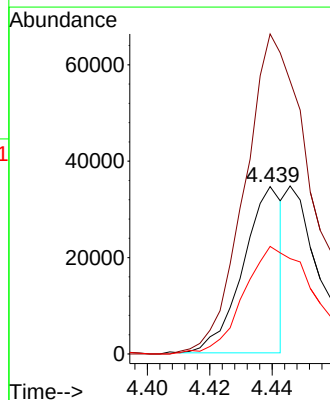
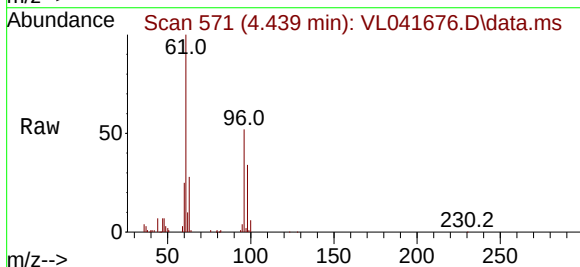
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

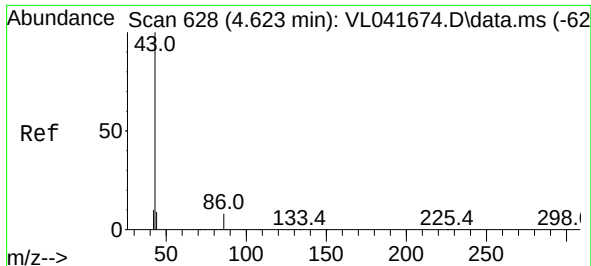
Tgt Ion: 41	Resp: 95568
Ion Ratio	Lower Upper
41 100	
76 28.9	23.5 35.3
39 76.9	63.0 94.4



#22
 trans-1,2-Dichloroethene
 Concen: 0.504 ppbv
 RT: 4.439 min Scan# 571
 Delta R.T. -0.003 min
 Lab File: VL041676.D
 Acq: 7 Nov 2024 11:34

Tgt Ion: 96	Resp: 29921
Ion Ratio	Lower Upper
96 100	
61 190.9	134.5 201.7
98 63.9	49.6 74.4





#23

Vinyl Acetate

Concen: 0.820 ppbv

RT: 4.626 min Scan# 61

Delta R.T. 0.003 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC001

Tgt Ion: 43 Resp: 56204

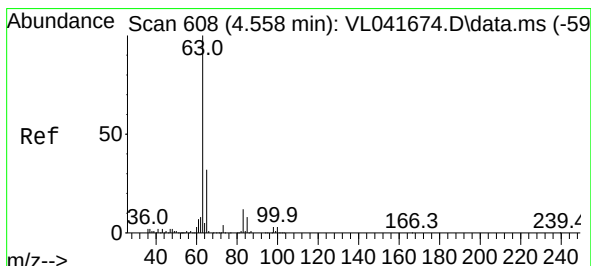
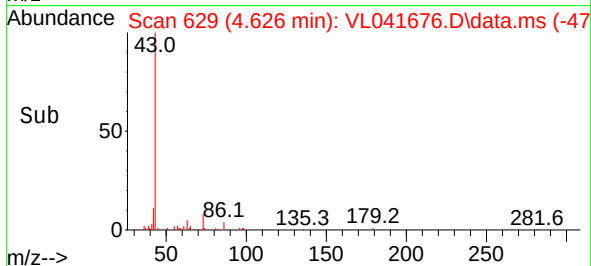
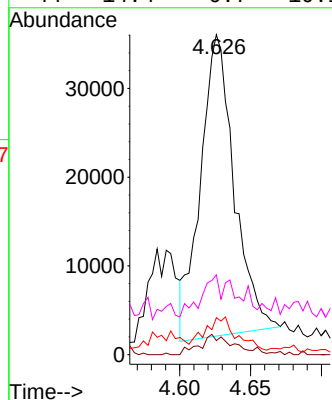
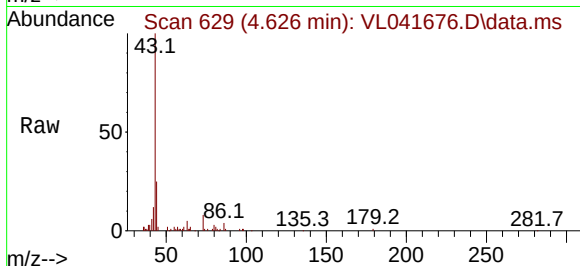
Ion Ratio Lower Upper

43 100

86 4.8 5.3 7.9#

42 10.7 8.5 12.7

44 14.4 6.7 10.1#



#24

1,1-Dichloroethane

Concen: 1.002 ppbv

RT: 4.555 min Scan# 607

Delta R.T. -0.003 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

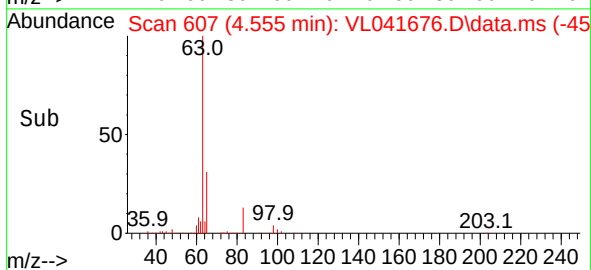
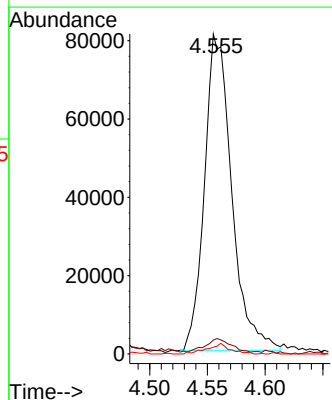
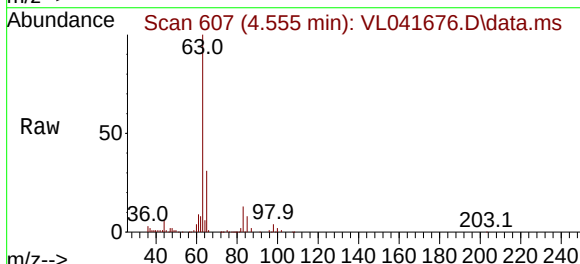
Tgt Ion: 63 Resp: 132214

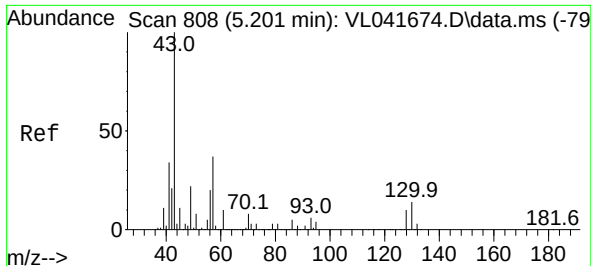
Ion Ratio Lower Upper

63 100

98 3.8 1.8 5.4

100 2.1 1.4 4.2





#25

Ethyl Acetate

Concen: 1.050 ppbv

RT: 5.205 min Scan# 80

Delta R.T. 0.003 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 43 Resp: 316814

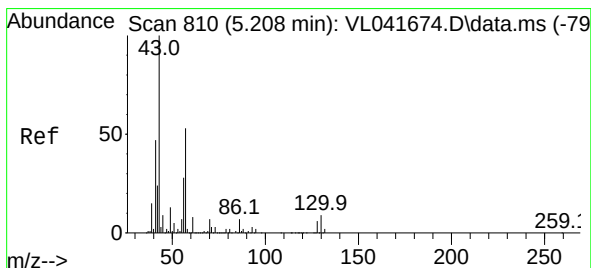
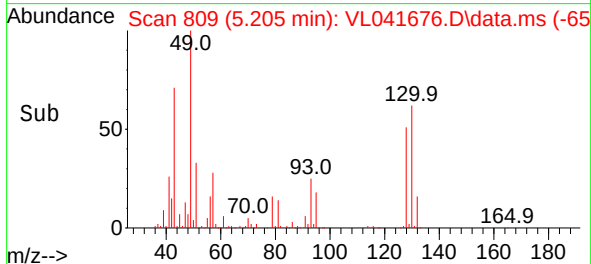
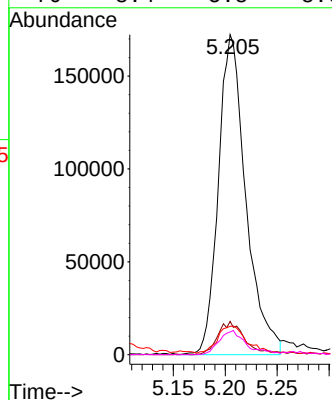
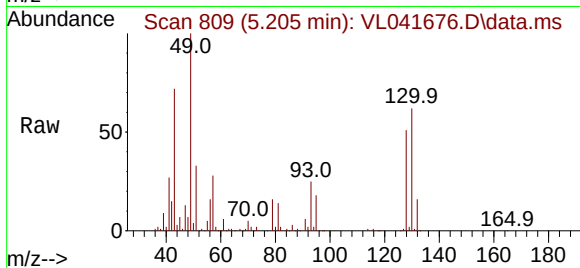
Ion Ratio Lower Upper

43 100

45 11.0 8.6 13.0

61 9.5 8.4 12.6

70 8.4 5.8 8.6



#26

Hexane

Concen: 1.053 ppbv

RT: 5.208 min Scan# 810

Delta R.T. 0.000 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Tgt Ion: 57 Resp: 122113

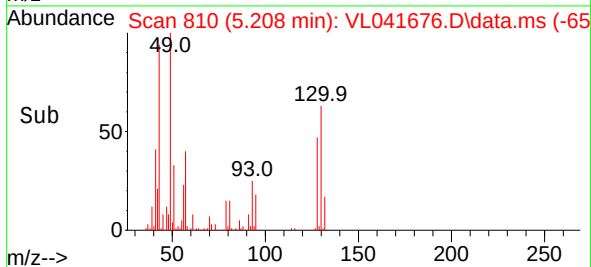
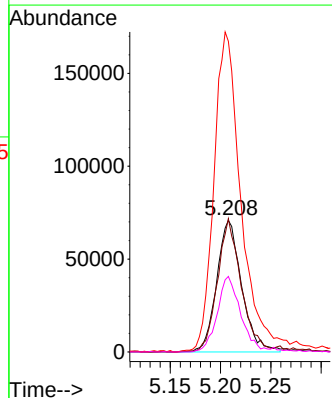
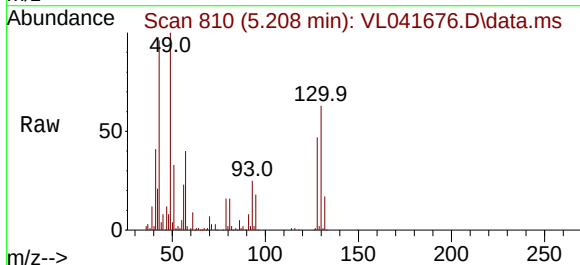
Ion Ratio Lower Upper

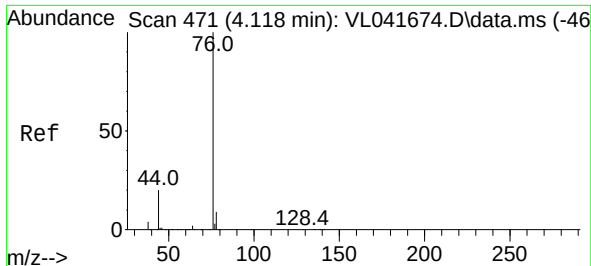
57 100

41 100.9 76.1 114.1

43 271.9 207.0 310.6

56 55.8 43.7 65.5





#27

Carbon Disulfide

Concen: 0.961 ppbv

RT: 4.121 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

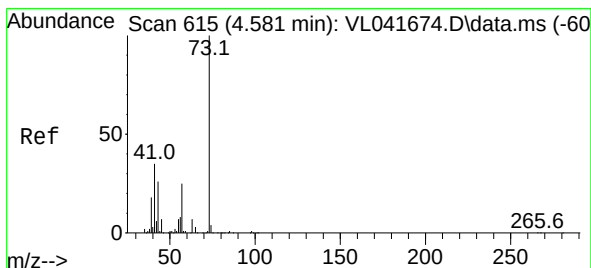
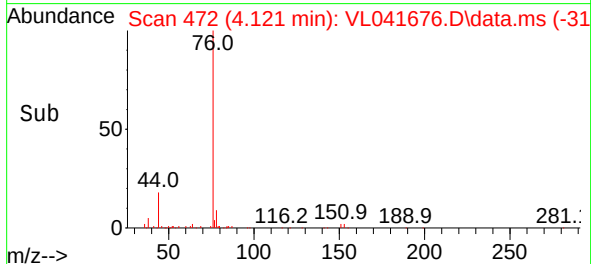
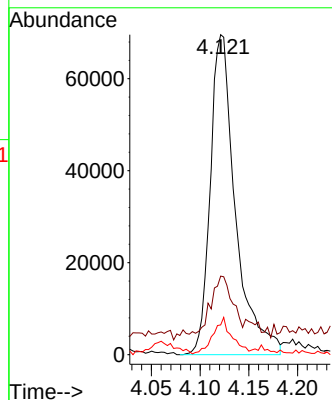
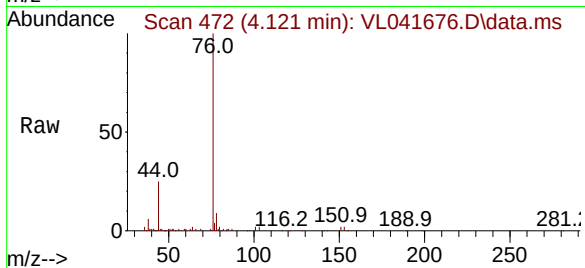
Tgt Ion: 76 Resp: 125113

Ion Ratio Lower Upper

76 100

44 21.0 15.8 23.8

78 10.6 7.5 11.3



#28

Methyl tert-Butyl Ether

Concen: 1.062 ppbv

RT: 4.587 min Scan# 617

Delta R.T. 0.007 min

Lab File: VL041676.D

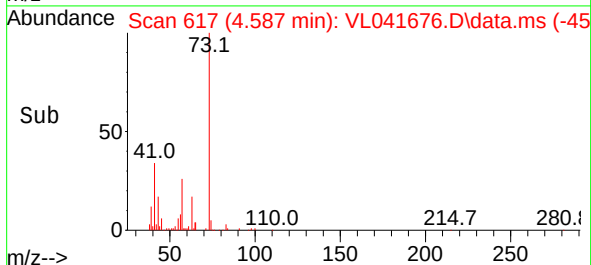
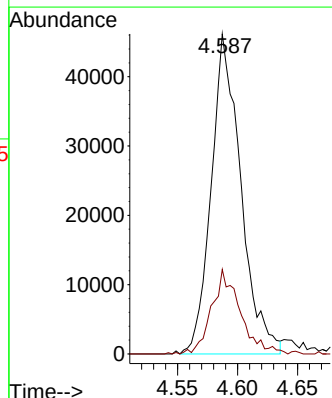
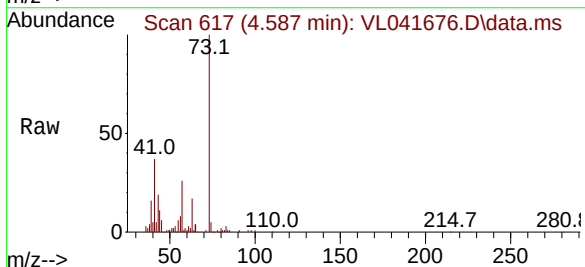
Acq: 7 Nov 2024 11:34

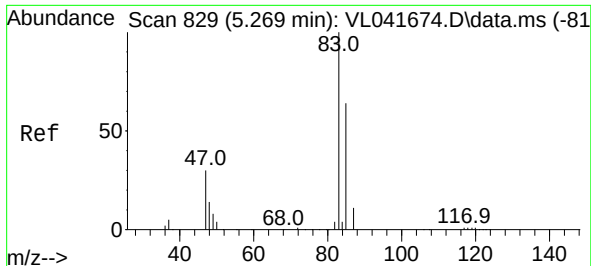
Tgt Ion: 73 Resp: 79309

Ion Ratio Lower Upper

73 100

57 25.7 19.6 29.4





#29

Chloroform

Concen: 1.034 ppbv

RT: 5.269 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_1

ClientSampleId :

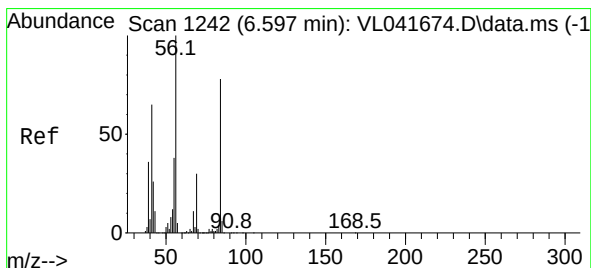
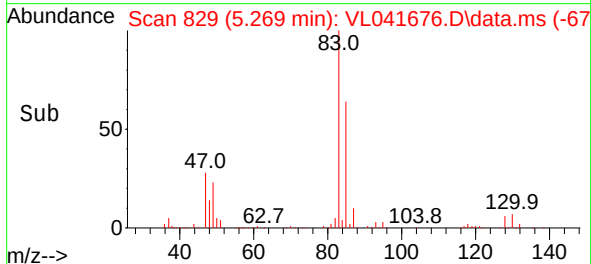
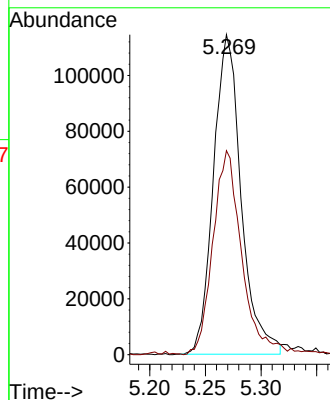
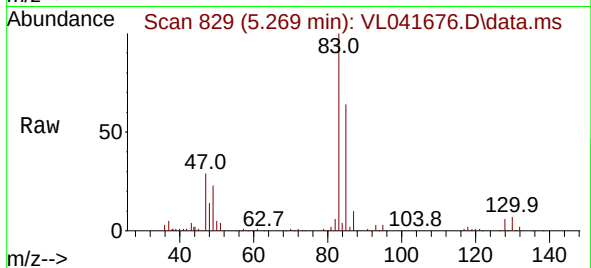
VSTDIC001

Tgt Ion: 83 Resp: 197891

Ion Ratio Lower Upper

83 100

85 63.6 51.1 76.7



#30

Cyclohexane

Concen: 0.946 ppbv

RT: 6.597 min Scan# 1242

Delta R.T. 0.000 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

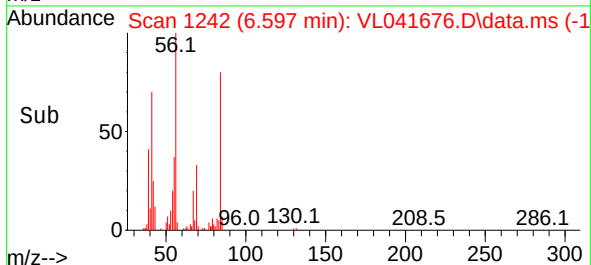
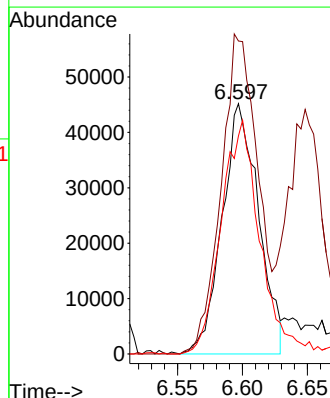
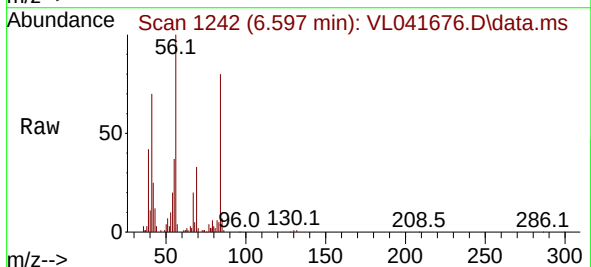
Tgt Ion: 84 Resp: 88127

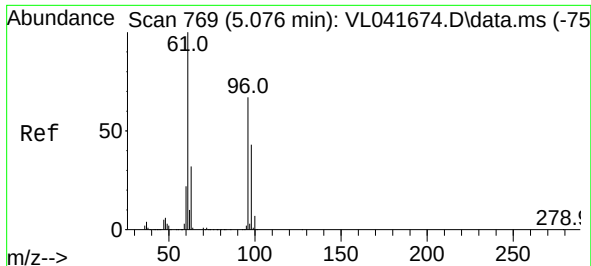
Ion Ratio Lower Upper

84 100

56 127.9 110.8 166.2

41 100.1 70.0 105.0





#31

cis-1,2-Dichloroethene

Concen: 1.032 ppbv

RT: 5.073 min Scan# 769

Delta R.T. -0.003 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

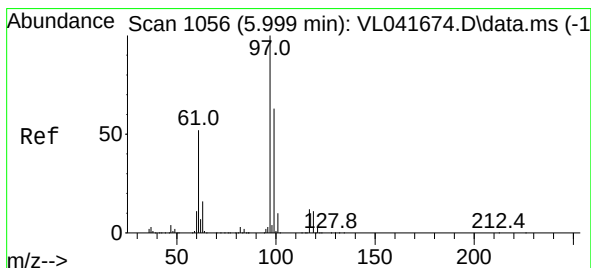
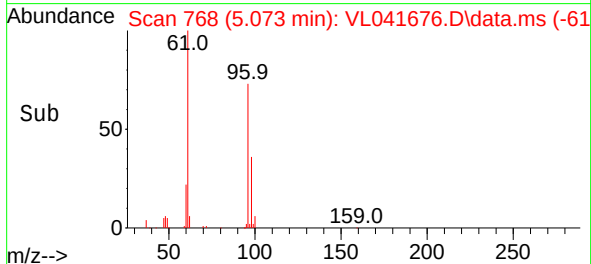
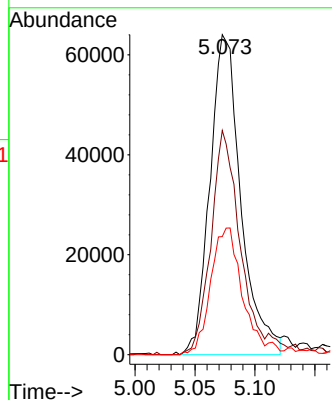
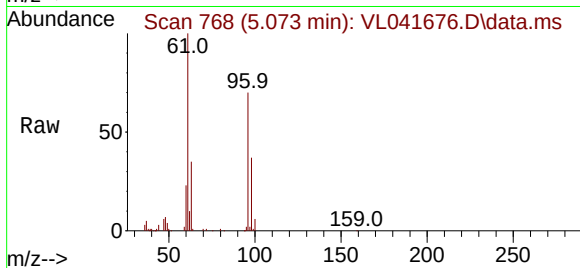
Tgt Ion: 61 Resp: 115115

Ion Ratio Lower Upper

61 100

96 70.0 53.4 80.2

98 36.9 34.0 51.0



#32

1,1,1-Trichloroethane

Concen: 1.063 ppbv

RT: 5.996 min Scan# 1055

Delta R.T. -0.003 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

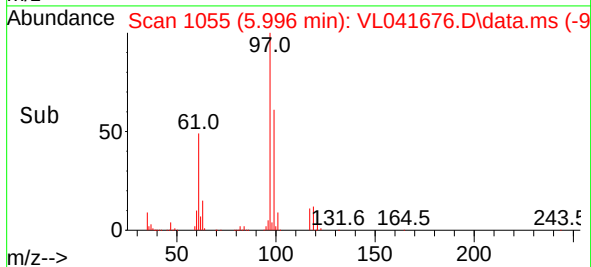
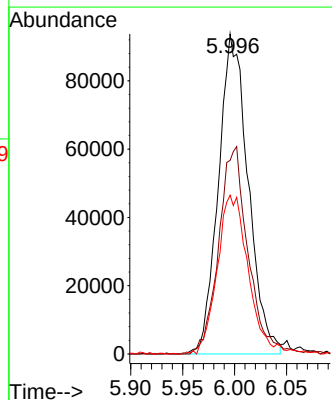
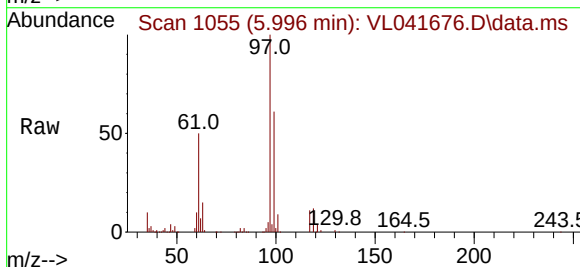
Tgt Ion: 97 Resp: 186425

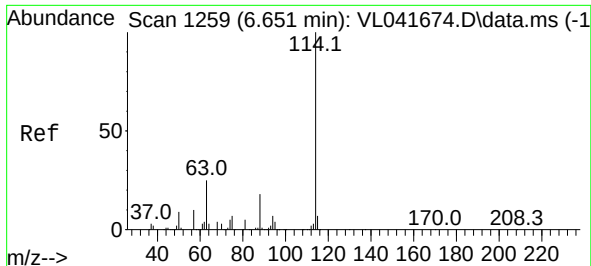
Ion Ratio Lower Upper

97 100

99 64.5 51.4 77.2

61 52.4 41.7 62.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.648 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

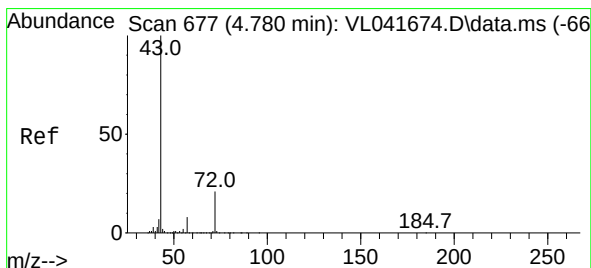
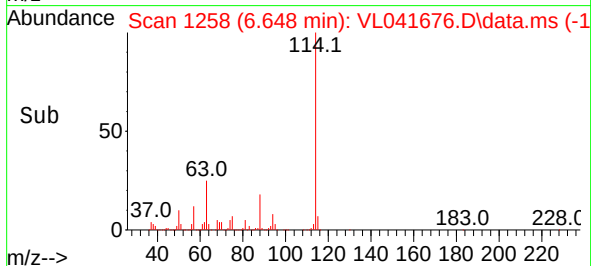
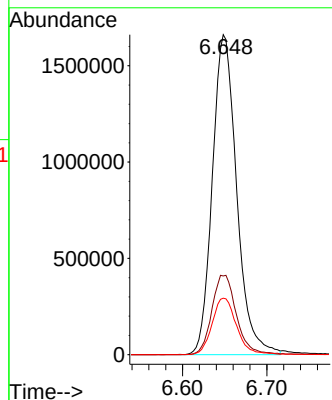
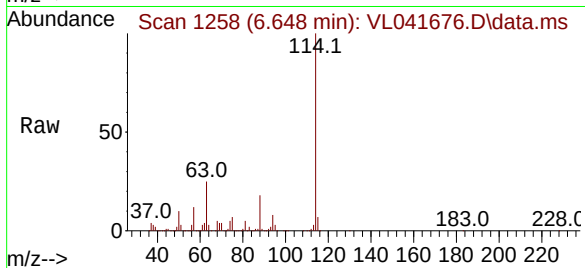
Tgt Ion:114 Resp: 3332226

Ion Ratio Lower Upper

114 100

63 25.4 20.3 30.5

88 17.9 14.2 21.4



#34

2-Butanone

Concen: 1.004 ppbv

RT: 4.790 min Scan# 680

Delta R.T. 0.010 min

Lab File: VL041676.D

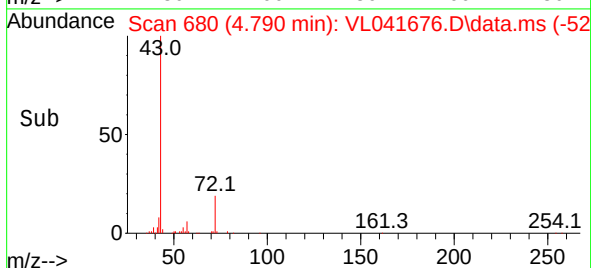
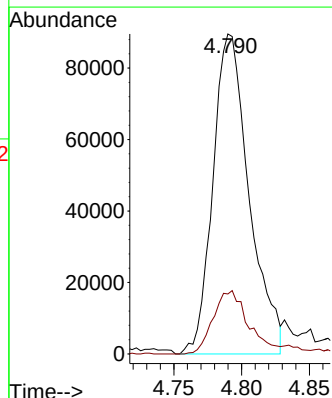
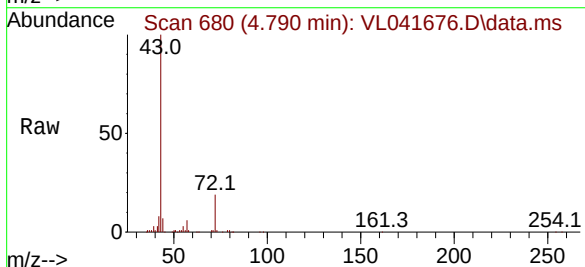
Acq: 7 Nov 2024 11:34

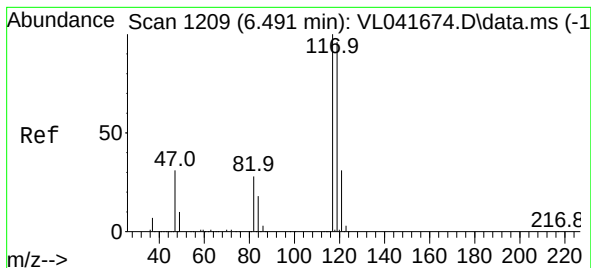
Tgt Ion: 43 Resp: 166525

Ion Ratio Lower Upper

43 100

72 22.0 17.4 26.0





#35

Carbon Tetrachloride

Concen: 1.064 ppbv

RT: 6.491 min Scan# 1170

Delta R.T. 0.000 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC001

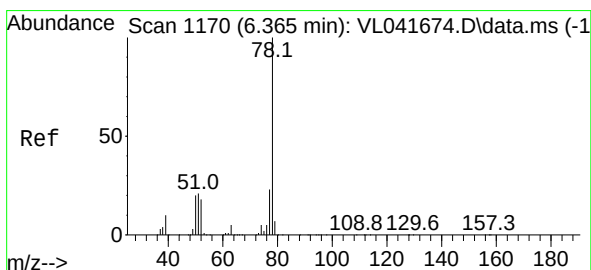
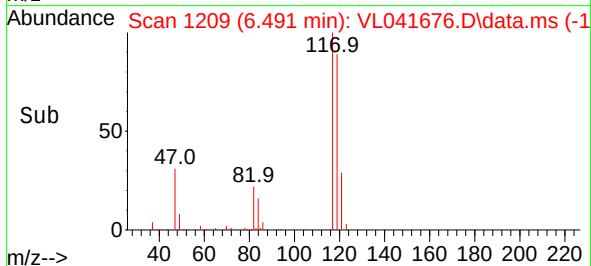
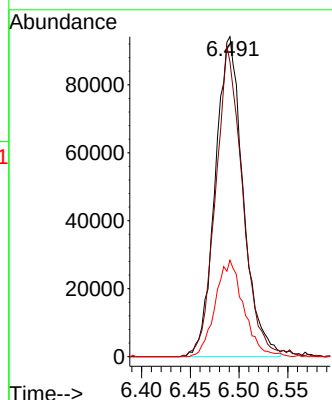
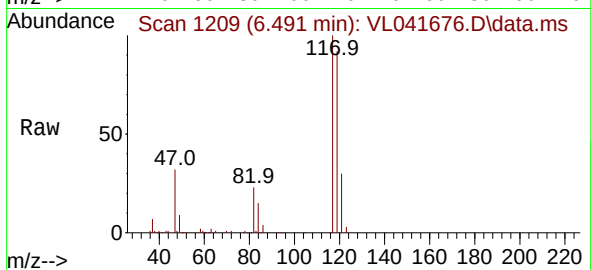
Tgt Ion:117 Resp: 187475

Ion Ratio Lower Upper

117 100

119 92.1 77.2 115.8

121 30.1 25.0 37.4



#36

Benzene

Concen: 1.014 ppbv

RT: 6.369 min Scan# 1171

Delta R.T. 0.003 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

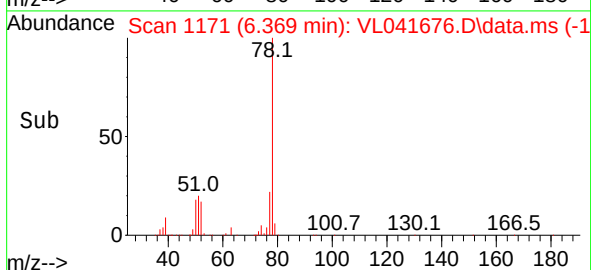
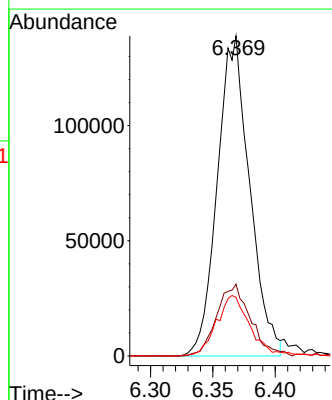
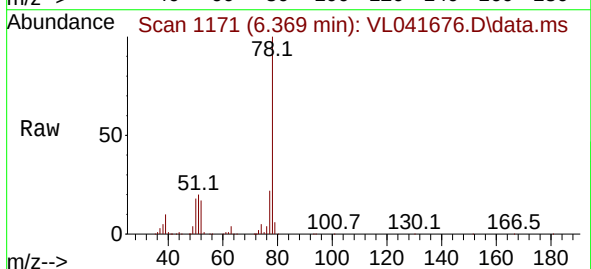
Tgt Ion: 78 Resp: 250318

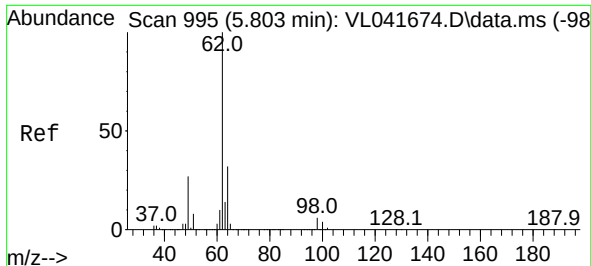
Ion Ratio Lower Upper

78 100

77 22.4 18.5 27.7

50 18.3 15.6 23.4

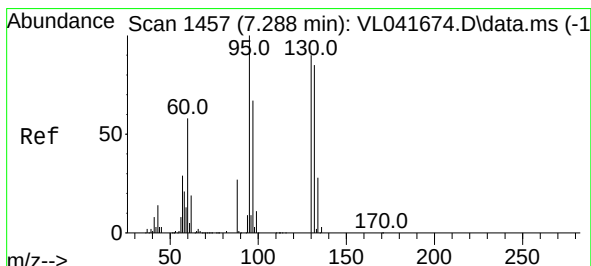
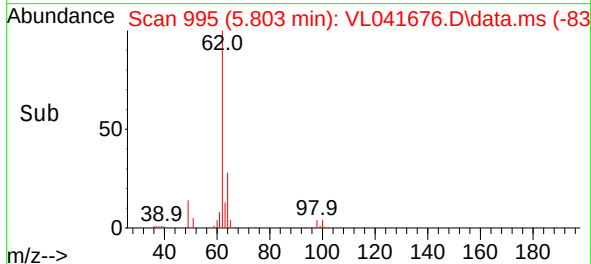
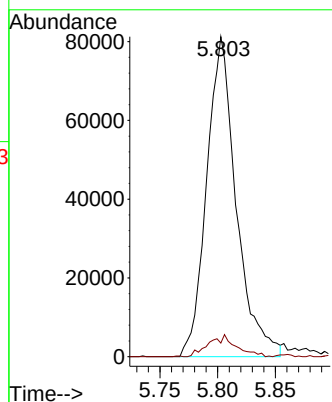
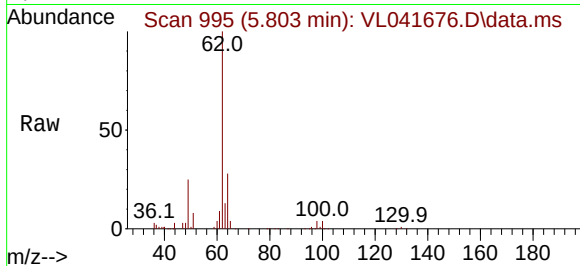




#37
1,2-Dichloroethane
Concen: 1.037 ppbv
RT: 5.803 min Scan# 995
Delta R.T. 0.000 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

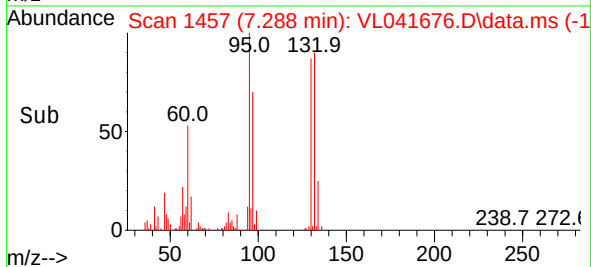
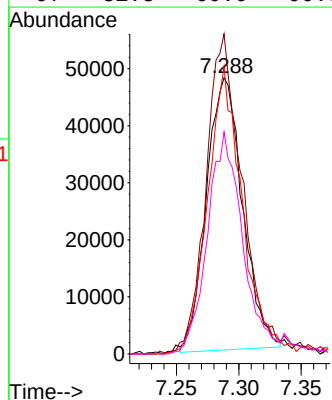
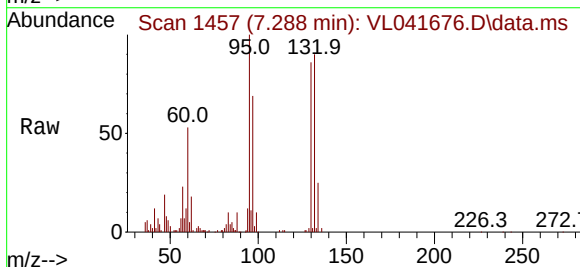
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

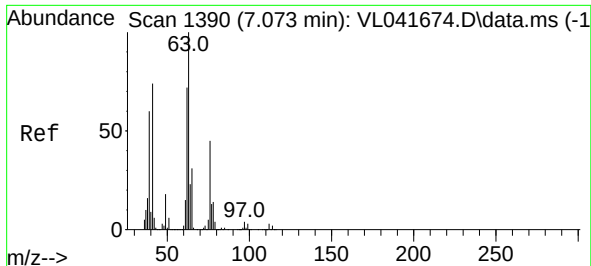
Tgt Ion: 62 Resp: 144449
Ion Ratio Lower Upper
62 100
98 6.5 5.2 7.8



#38
Trichloroethene
Concen: 1.010 ppbv
RT: 7.288 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

Tgt Ion:130 Resp: 96191
Ion Ratio Lower Upper
130 100
95 114.6 89.1 133.7
132 104.7 75.7 113.5
97 81.3 60.0 90.0





#39

1,2-Dichloropropane

Concen: 1.023 ppbv

RT: 7.069 min Scan# 1459

Delta R.T. -0.003 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

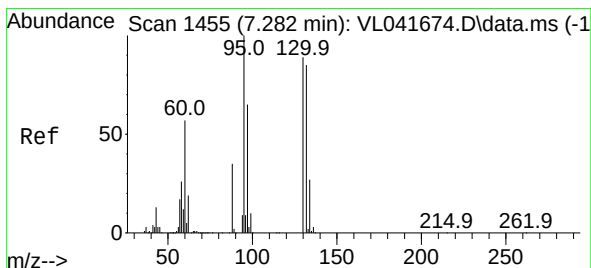
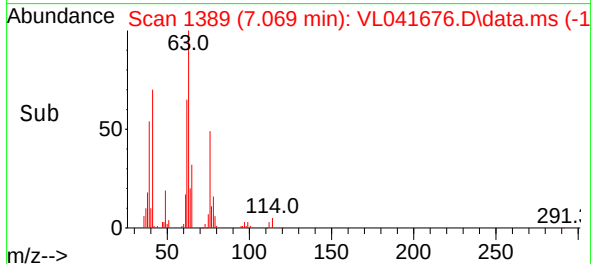
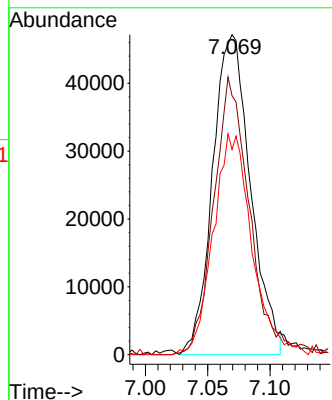
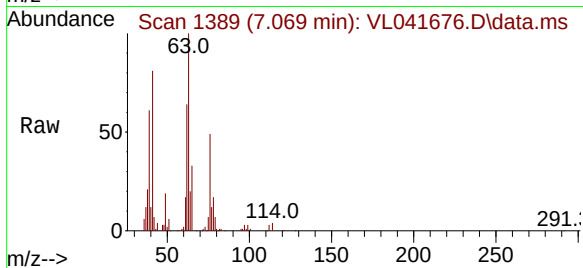
Tgt Ion: 63 Resp: 99780

Ion Ratio Lower Upper

63 100

41 79.7 59.1 88.7

62 62.6 57.7 86.5



#40

1,4-Dioxane

Concen: 0.254 ppbv

RT: 7.298 min Scan# 1460

Delta R.T. 0.016 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Tgt Ion: 88 Resp: 8783

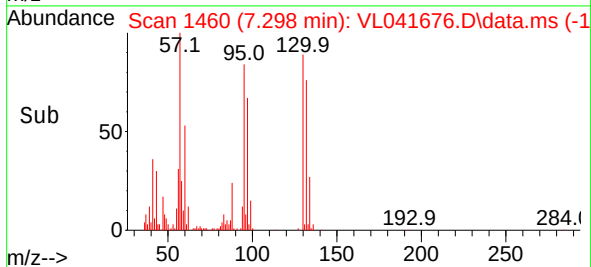
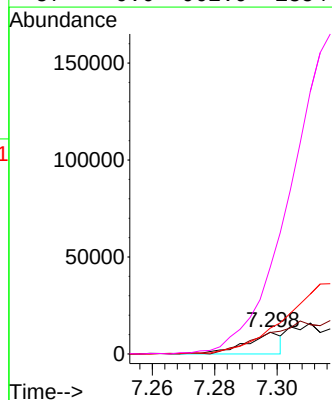
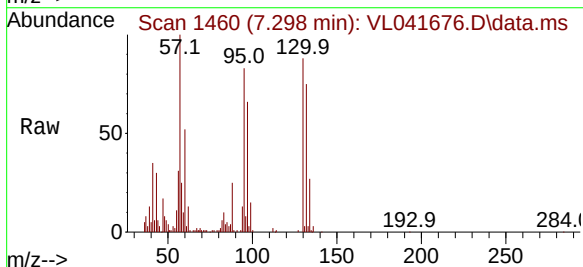
Ion Ratio Lower Upper

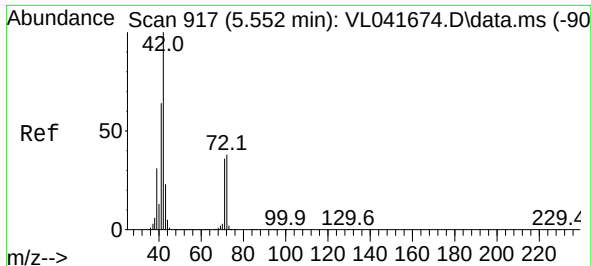
88 100

58 0.0 101.4 152.2#

43 0.0 208.0 312.0#

57 0.0 902.9 1354.3#





#41

Tetrahydrofuran

Concen: 0.989 ppbv

RT: 5.571 min Scan# 917

Delta R.T. 0.019 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

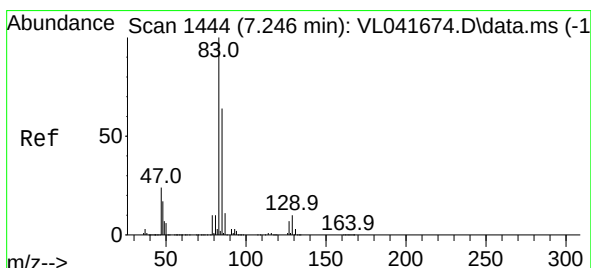
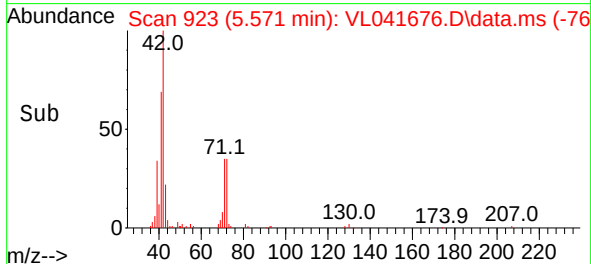
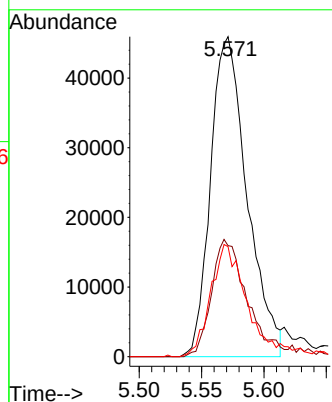
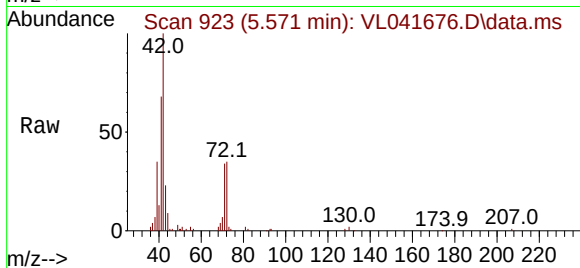
Tgt Ion: 42 Resp: 93643

Ion Ratio Lower Upper

42 100

72 37.6 29.8 44.6

71 36.5 29.4 44.2



#42

Bromodichloromethane

Concen: 0.974 ppbv

RT: 7.246 min Scan# 1444

Delta R.T. 0.000 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

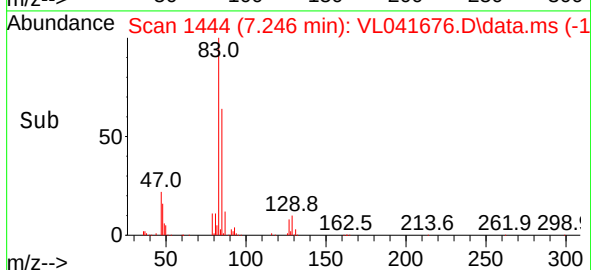
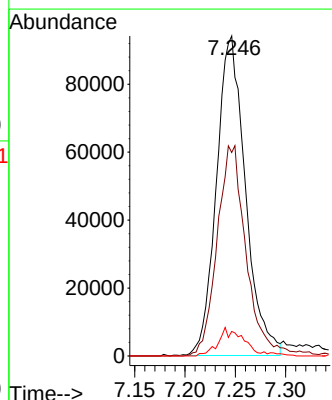
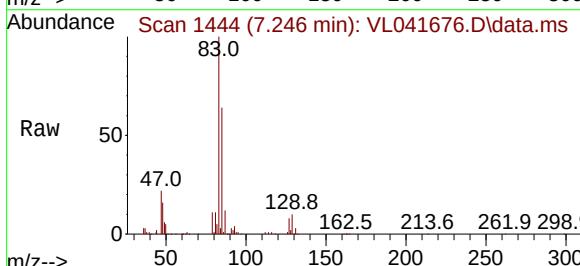
Tgt Ion: 83 Resp: 188568

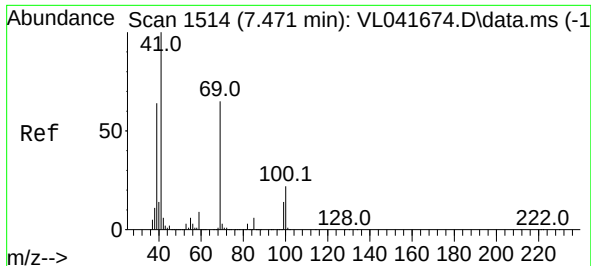
Ion Ratio Lower Upper

83 100

85 63.7 51.2 76.8

127 7.7 6.0 9.0





#43

Methyl Methacrylate

Concen: 0.910 ppbv

RT: 7.478 min Scan# 1516

Delta R.T. 0.006 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC001

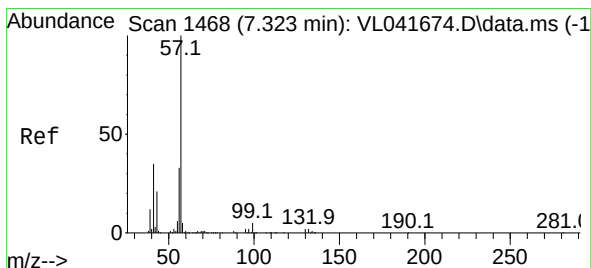
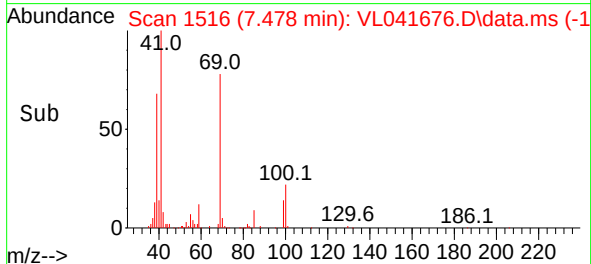
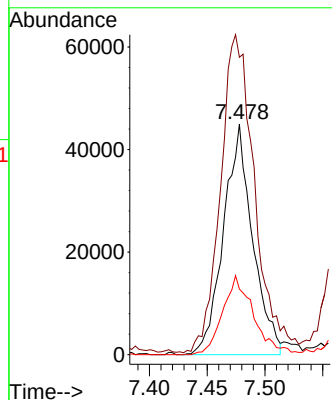
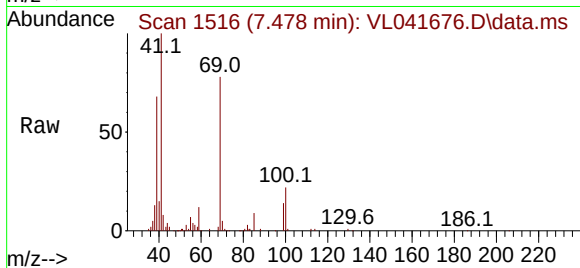
Tgt Ion: 69 Resp: 78902

Ion Ratio Lower Upper

69 100

41 164.4 119.8 179.6

100 36.2 27.3 40.9



#44

2,2,4-Trimethylpentane

Concen: 1.041 ppbv

RT: 7.327 min Scan# 1469

Delta R.T. 0.003 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

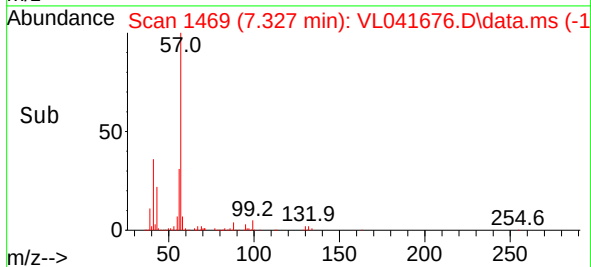
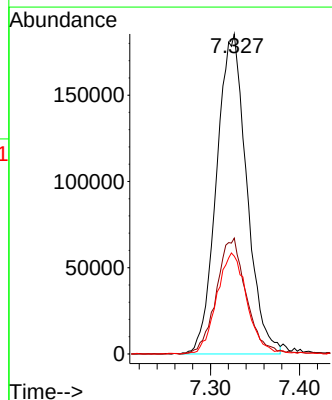
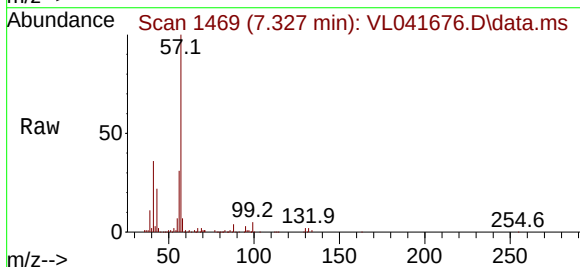
Tgt Ion: 57 Resp: 435343

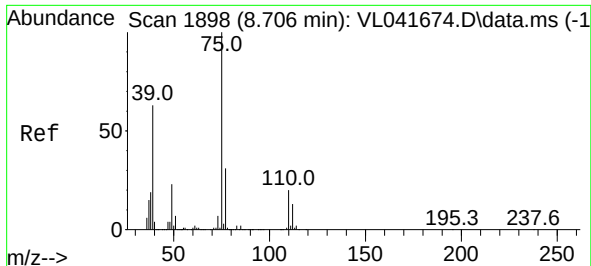
Ion Ratio Lower Upper

57 100

41 36.1 27.0 40.6

56 32.1 25.8 38.6





#45

t-1,3-Dichloropropene

Concen: 0.482 ppbv

RT: 8.709 min Scan# 1898

Delta R.T. 0.003 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

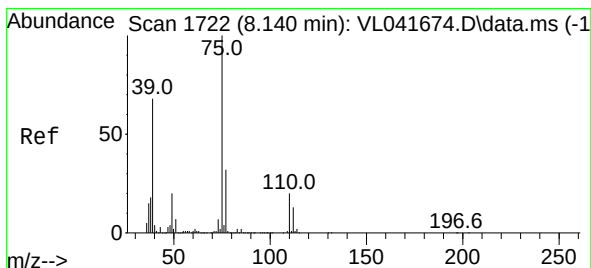
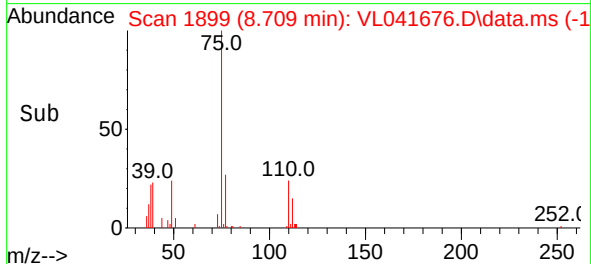
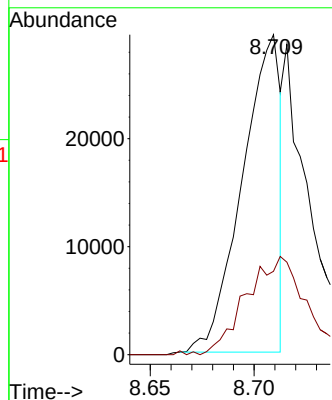
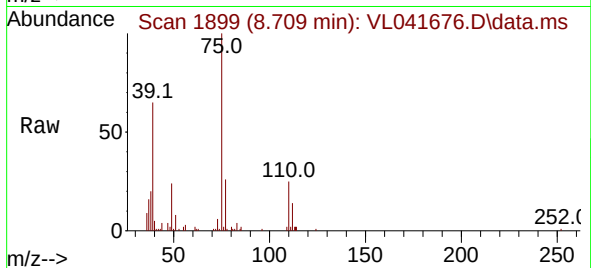
VSTDIC001

Tgt Ion: 75 Resp: 37335

Ion Ratio Lower Upper

75 100

77 27.2 24.7 37.1



#46

cis-1,3-Dichloropropene

Concen: 0.901 ppbv

RT: 8.143 min Scan# 1723

Delta R.T. 0.003 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

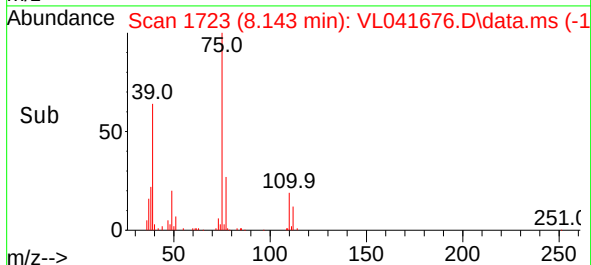
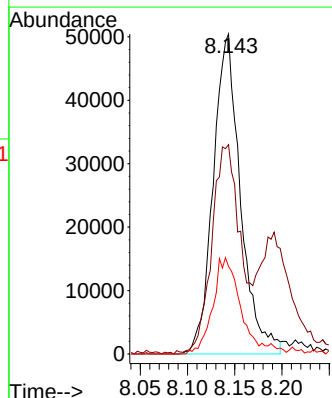
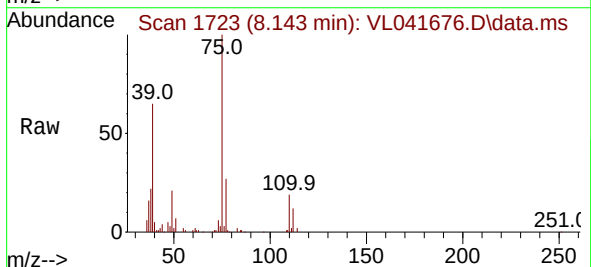
Tgt Ion: 75 Resp: 101425

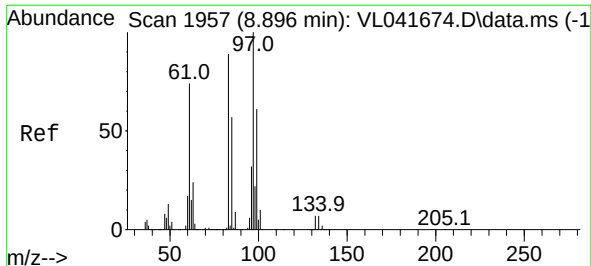
Ion Ratio Lower Upper

75 100

39 64.8 54.1 81.1

77 27.4 25.3 37.9





#47

1,1,2-Trichloroethane

Concen: 0.997 ppbv

RT: 8.896 min Scan# 1957

Delta R.T. 0.000 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 97 Resp: 104883

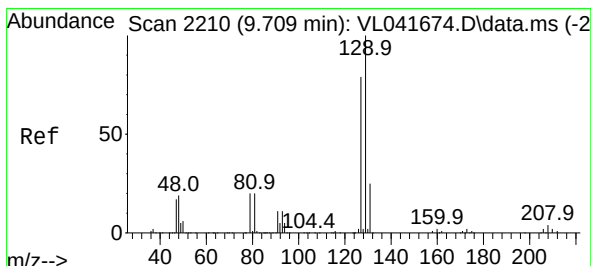
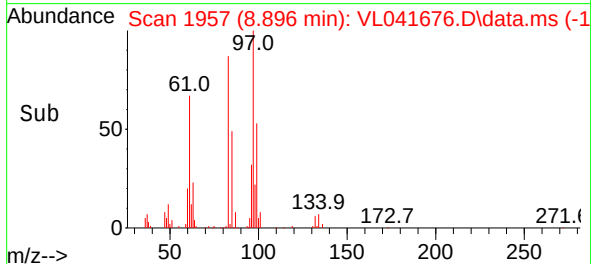
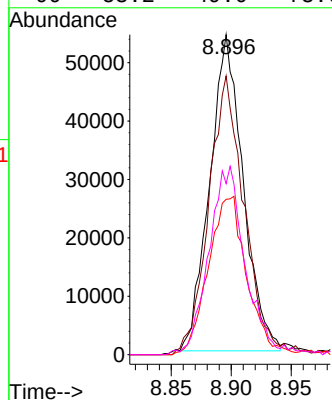
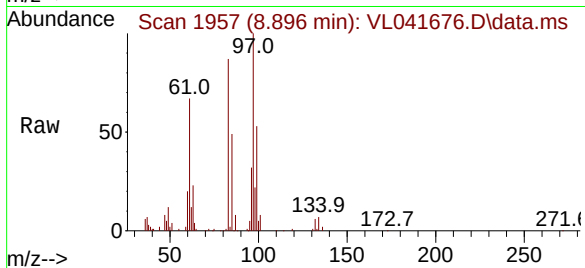
Ion Ratio Lower Upper

97 100

83 86.1 71.0 106.6

85 48.2 45.4 68.2

99 53.2 49.0 73.6



#48

Dibromochloromethane

Concen: 0.952 ppbv

RT: 9.709 min Scan# 2210

Delta R.T. 0.000 min

Lab File: VL041676.D

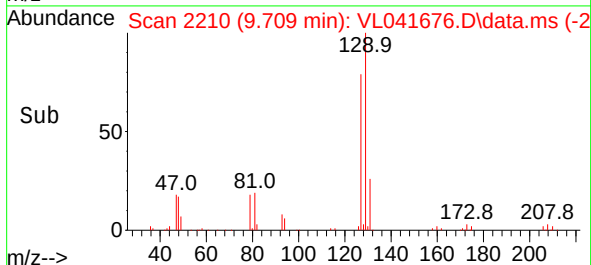
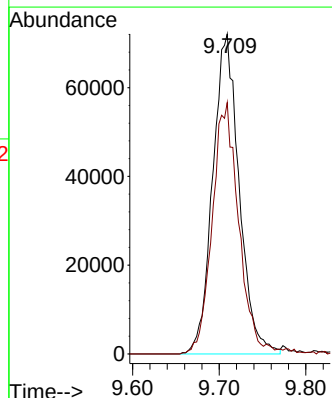
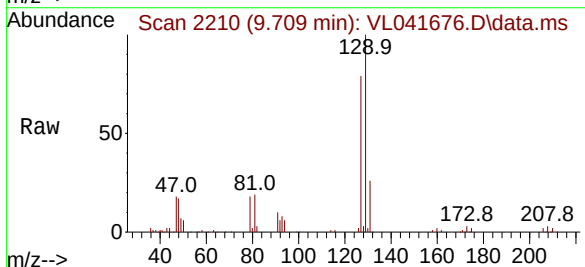
Acq: 7 Nov 2024 11:34

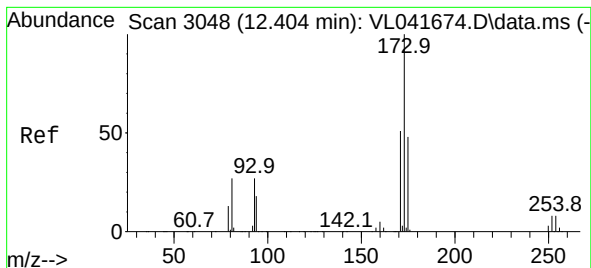
Tgt Ion: 129 Resp: 152757

Ion Ratio Lower Upper

129 100

127 79.4 39.1 117.2





#49

Bromoform

Concen: 0.449 ppbv

RT: 12.400 min Scan# 3048

Delta R.T. -0.003 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

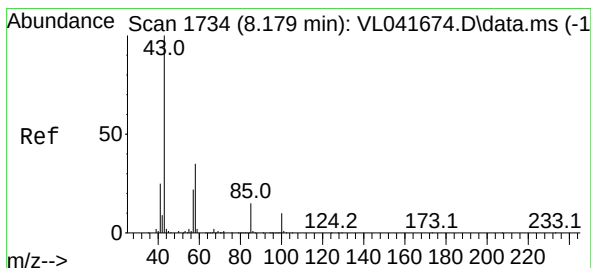
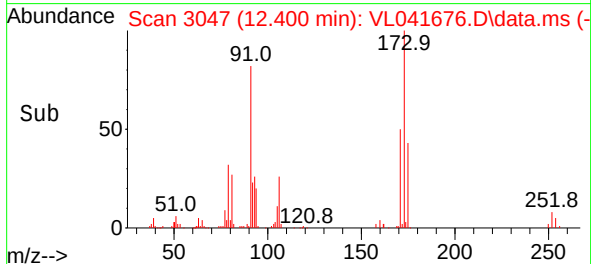
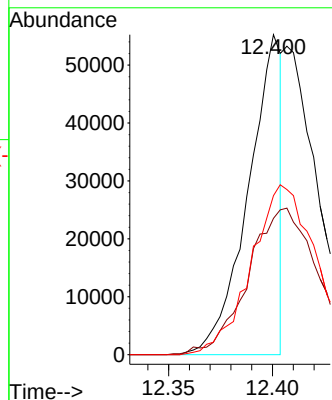
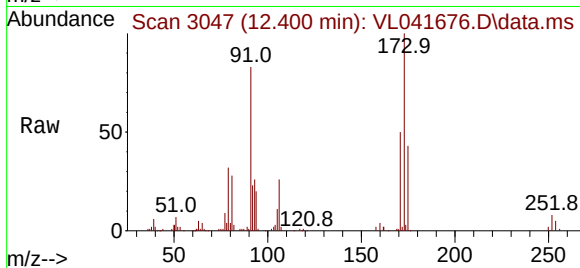
Tgt Ion:173 Resp: 61535

Ion Ratio Lower Upper

173 100

175 0.0 39.2 58.8#

171 0.0 41.7 62.5#



#50

4-Methyl-2-Pentanone

Concen: 0.985 ppbv

RT: 8.188 min Scan# 1737

Delta R.T. 0.010 min

Lab File: VL041676.D

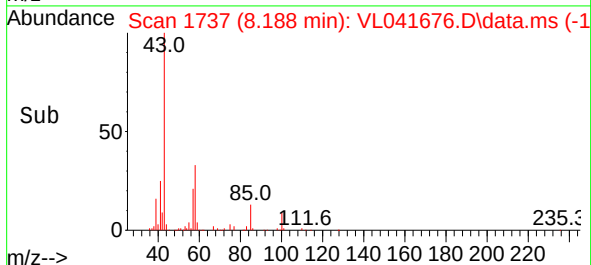
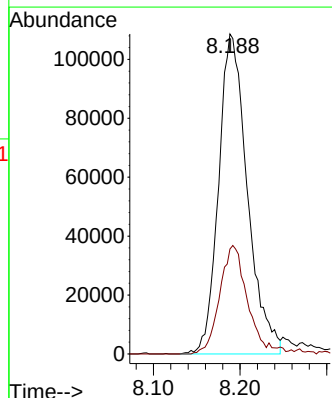
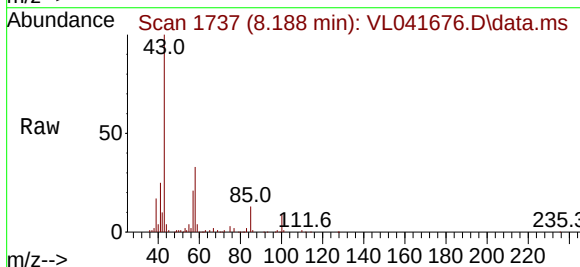
Acq: 7 Nov 2024 11:34

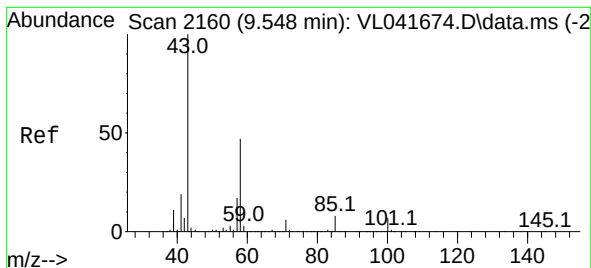
Tgt Ion: 43 Resp: 250885

Ion Ratio Lower Upper

43 100

58 34.0 27.7 41.5





#51

2-Hexanone

Concen: 0.892 ppbv

RT: 9.571 min Scan# 2160

Delta R.T. 0.023 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

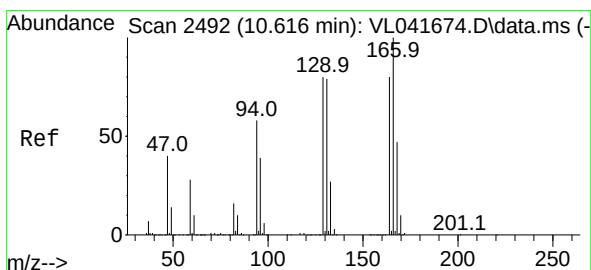
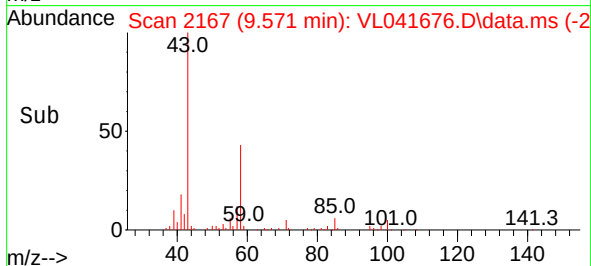
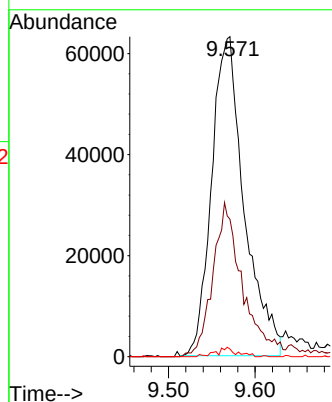
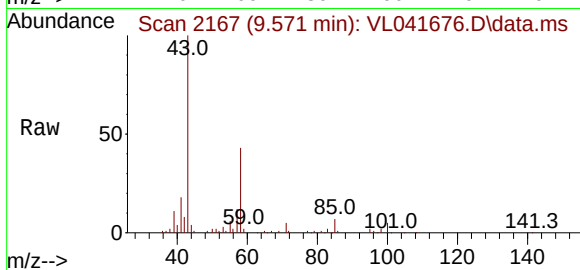
Tgt Ion: 43 Resp: 165158

Ion Ratio Lower Upper

43 100

58 46.5 37.0 55.6

98 1.8 0.6 0.8#



#52

Tetrachloroethene

Concen: 1.102 ppbv

RT: 10.610 min Scan# 2490

Delta R.T. -0.006 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Tgt Ion:164 Resp: 92977

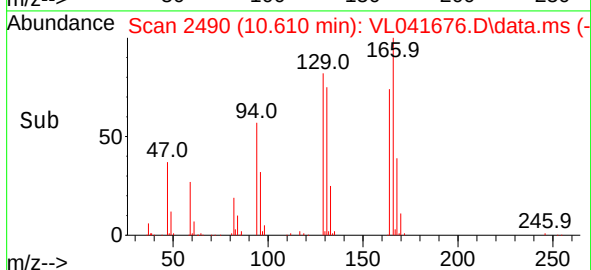
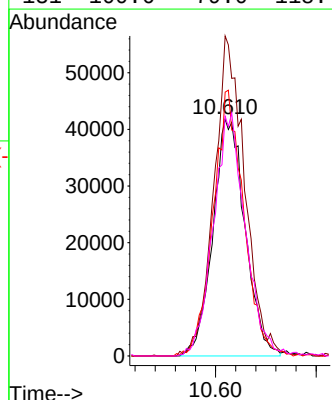
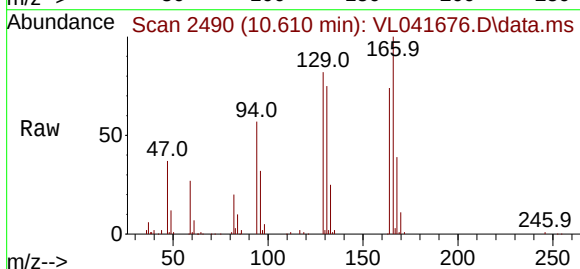
Ion Ratio Lower Upper

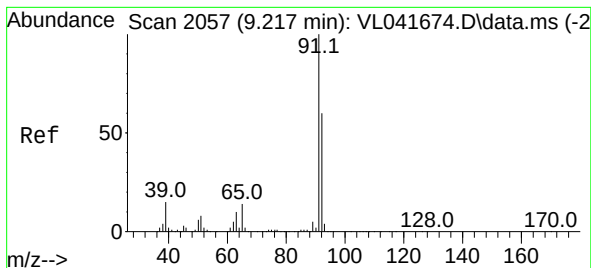
164 100

166 133.1 100.2 150.4

129 110.9 79.7 119.5

131 100.6 79.0 118.4





#53

Toluene

Concen: 0.976 ppbv

RT: 9.217 min Scan# 2057

Delta R.T. 0.000 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_1

ClientSampleId :

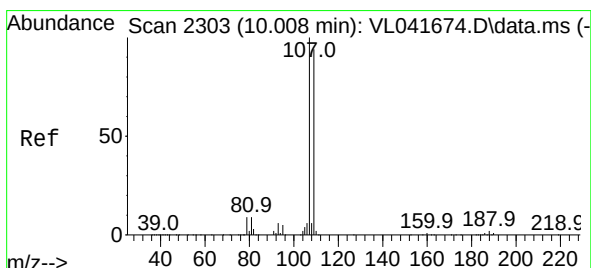
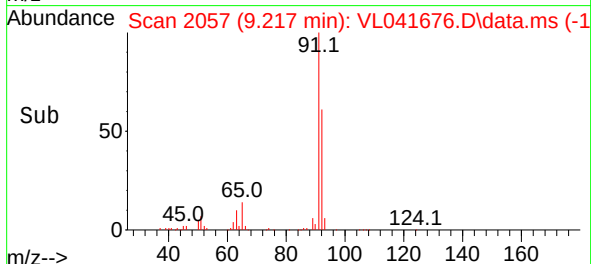
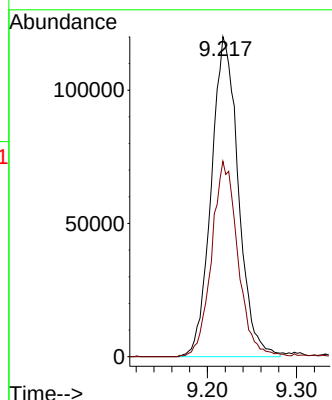
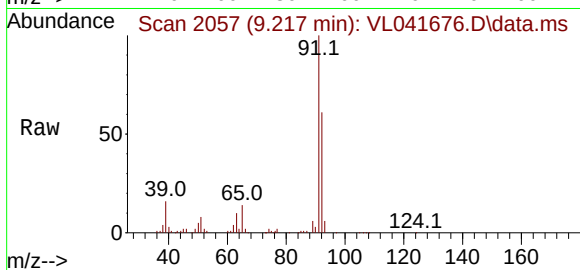
VSTDIC001

Tgt Ion: 91 Resp: 253501

Ion Ratio Lower Upper

91 100

92 59.4 49.0 73.4



#54

1,2-Dibromoethane

Concen: 0.994 ppbv

RT: 10.008 min Scan# 2303

Delta R.T. 0.000 min

Lab File: VL041676.D

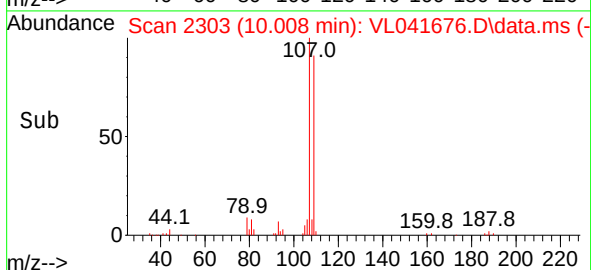
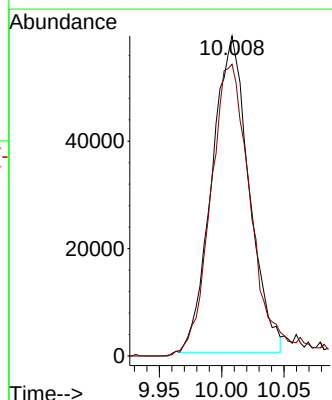
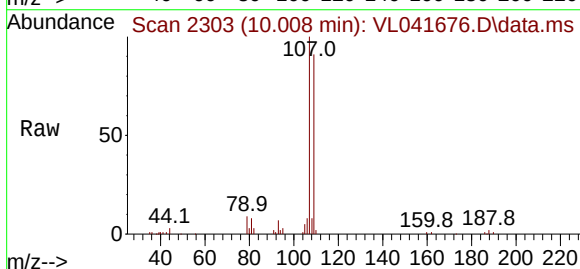
Acq: 7 Nov 2024 11:34

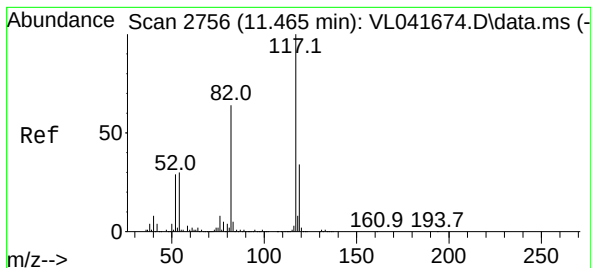
Tgt Ion: 107 Resp: 122096

Ion Ratio Lower Upper

107 100

109 90.5 74.9 112.3





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.465 min Scan# 2756

Delta R.T. 0.000 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

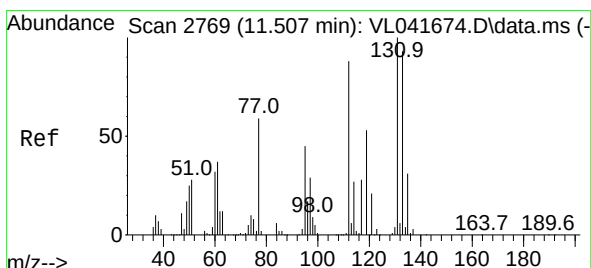
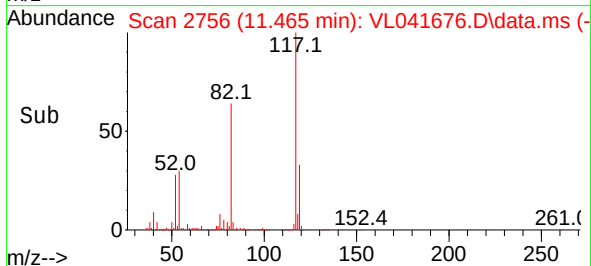
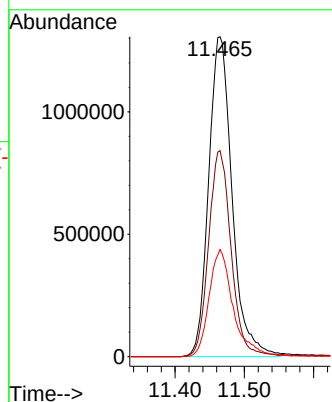
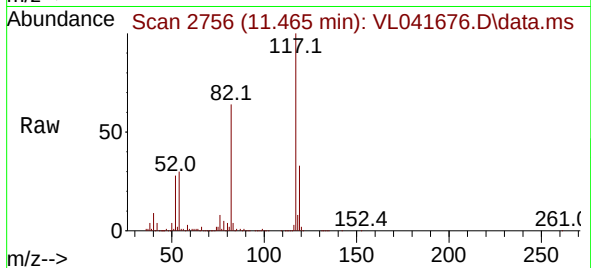
Tgt Ion:117 Resp: 3067671

Ion Ratio Lower Upper

117 100

82 63.0 49.8 74.8

119 34.8 24.2 36.4



#56

1,1,1,2-Tetrachloroethane

Concen: 1.043 ppbv

RT: 11.510 min Scan# 2770

Delta R.T. 0.003 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

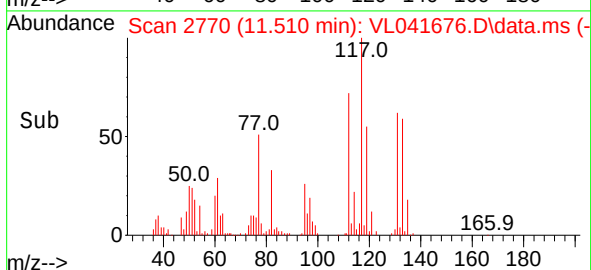
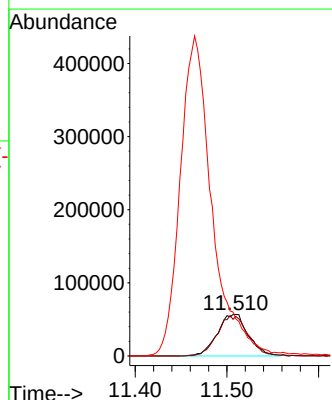
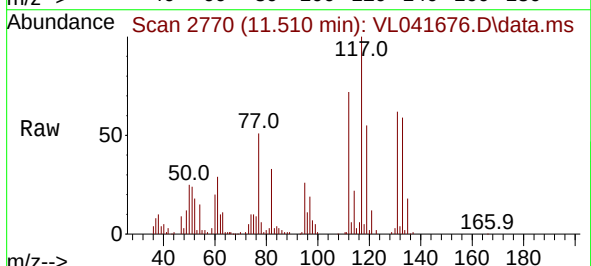
Tgt Ion:131 Resp: 133283

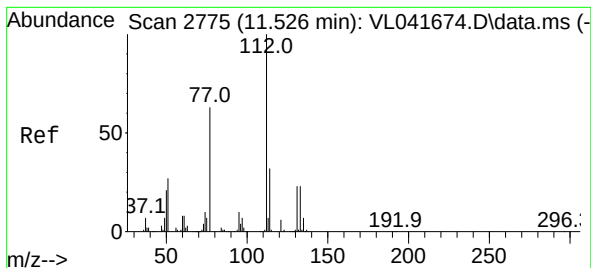
Ion Ratio Lower Upper

131 100

133 96.2 76.5 114.7

119 798.1 49.8 74.8#





#57

Chlorobenzene

Concen: 1.047 ppbv

RT: 11.523 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

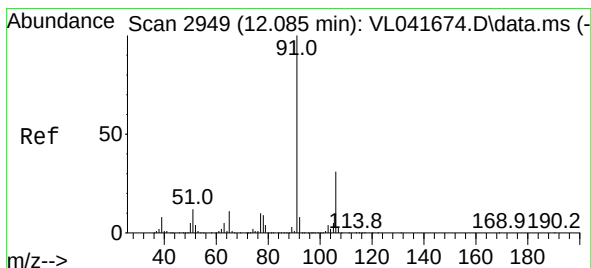
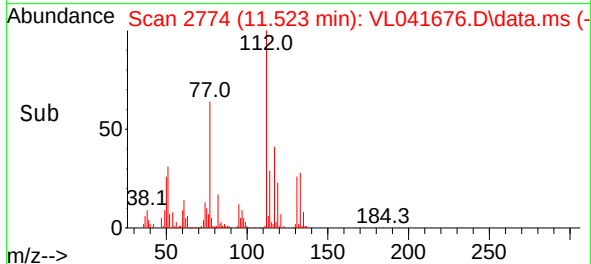
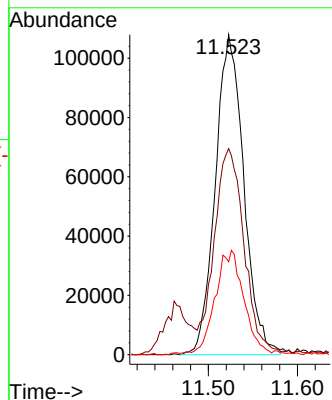
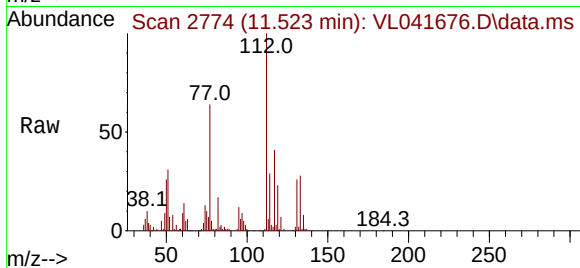
Tgt Ion:112 Resp: 239417

Ion Ratio Lower Upper

112 100

77 63.4 51.4 77.2

114 28.6 28.4 34.8



#58

Ethyl Benzene

Concen: 0.986 ppbv

RT: 12.089 min Scan# 2950

Delta R.T. 0.003 min

Lab File: VL041676.D

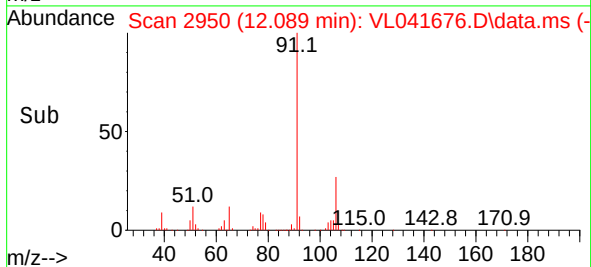
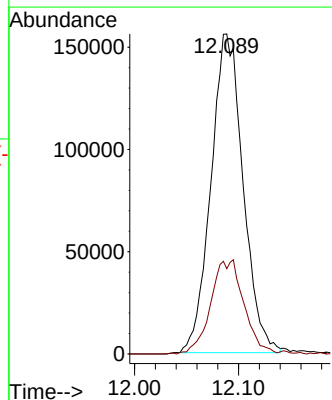
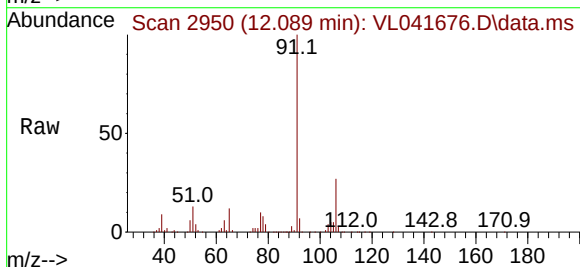
Acq: 7 Nov 2024 11:34

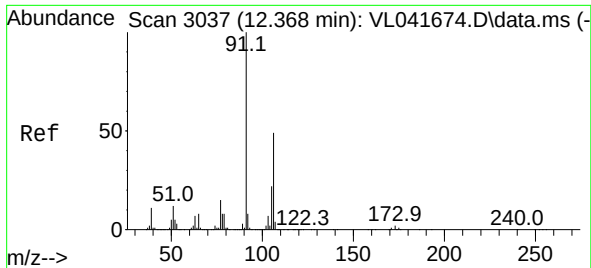
Tgt Ion: 91 Resp: 334939

Ion Ratio Lower Upper

91 100

106 26.3 24.9 37.3





#59

m/p-Xylene

Concen: 0.959 ppbv

RT: 12.368 min Scan# 3037

Delta R.T. 0.000 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

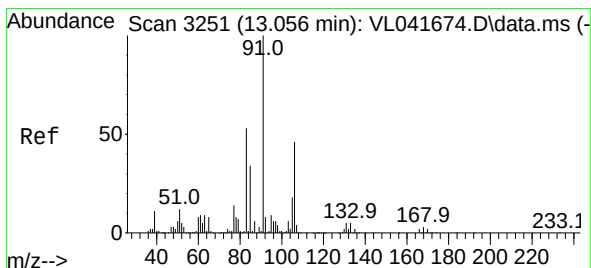
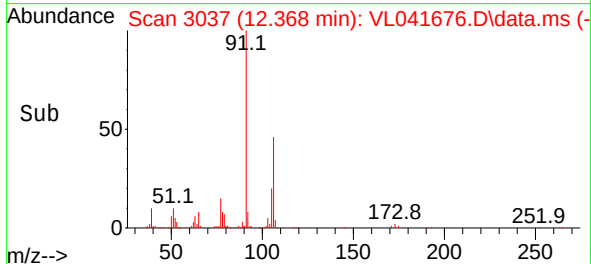
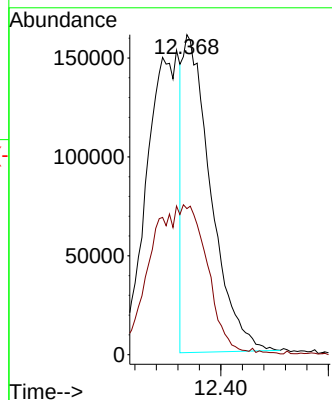
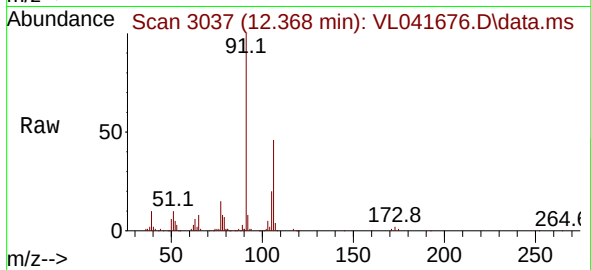
VSTDIC001

Tgt Ion: 91 Resp: 291390

Ion Ratio Lower Upper

91 100

106 96.8 36.9 55.3#



#60

o-Xylene

Concen: 1.012 ppbv

RT: 13.053 min Scan# 3250

Delta R.T. -0.003 min

Lab File: VL041676.D

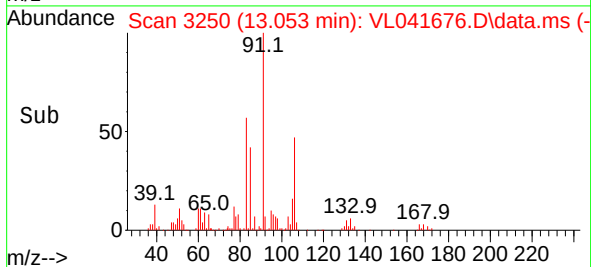
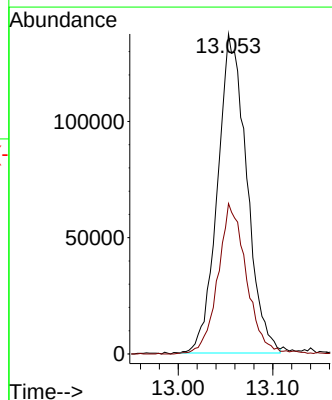
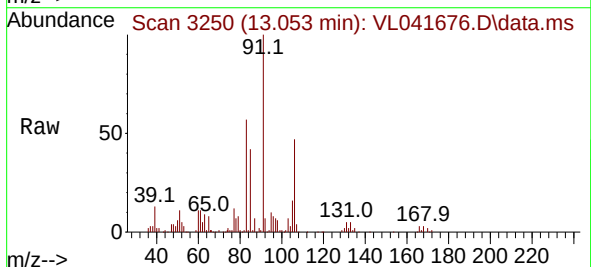
Acq: 7 Nov 2024 11:34

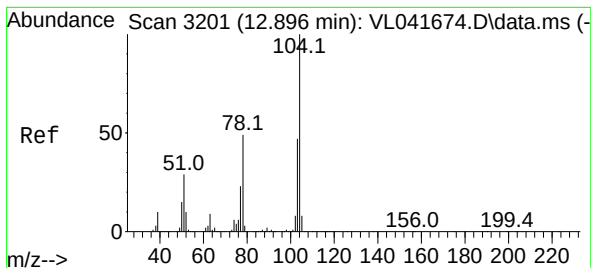
Tgt Ion: 91 Resp: 293793

Ion Ratio Lower Upper

91 100

106 46.7 23.2 69.6





#61

Styrene

Concen: 0.859 ppbv

RT: 12.892 min Scan# 31

Delta R.T. -0.003 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

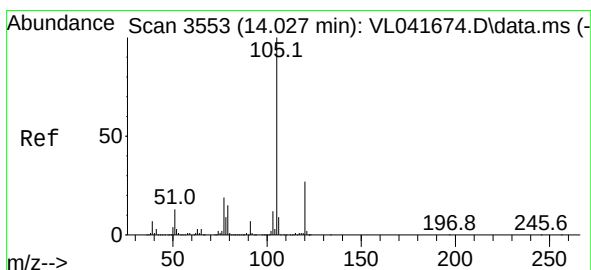
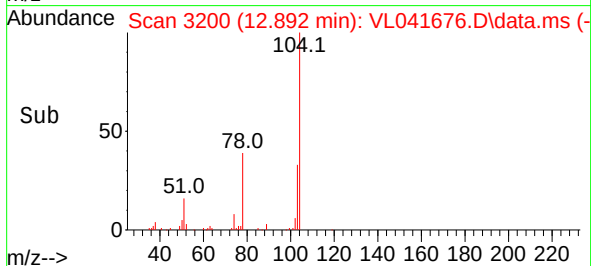
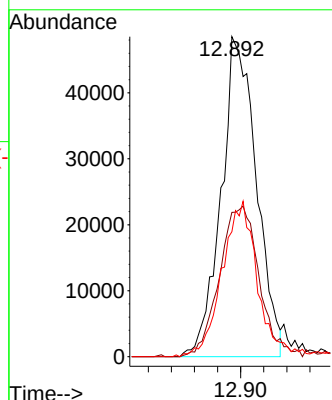
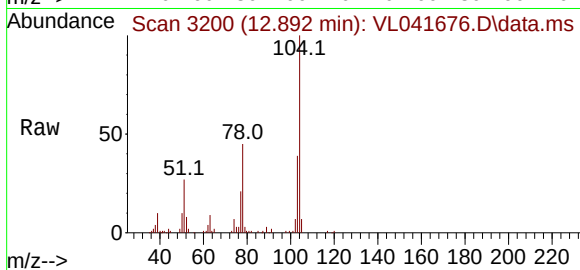
Tgt Ion:104 Resp: 102947

Ion Ratio Lower Upper

104 100

78 52.9 39.8 59.8

103 49.4 37.4 56.0



#62

Isopropylbenzene

Concen: 1.045 ppbv

RT: 14.031 min Scan# 3554

Delta R.T. 0.003 min

Lab File: VL041676.D

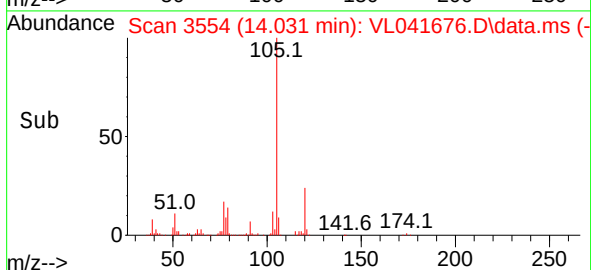
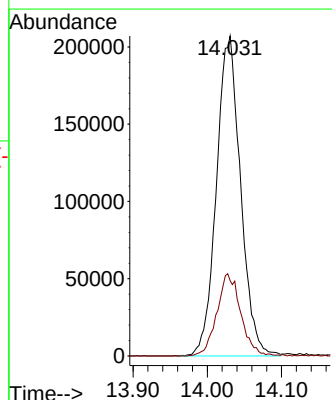
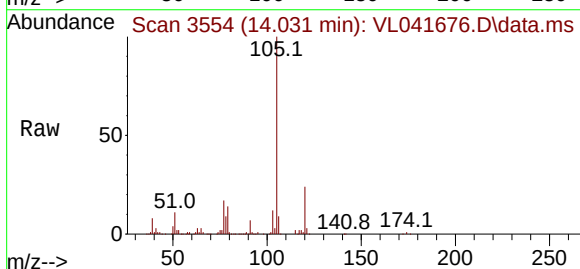
Acq: 7 Nov 2024 11:34

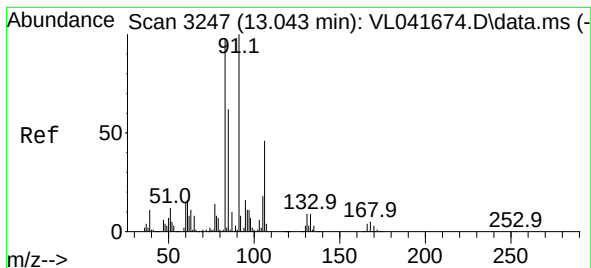
Tgt Ion:105 Resp: 468382

Ion Ratio Lower Upper

105 100

120 25.4 21.1 31.7





#63

1,1,2,2-Tetrachloroethane

Concen: 1.074 ppbv

RT: 13.047 min Scan# 31

Delta R.T. 0.003 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

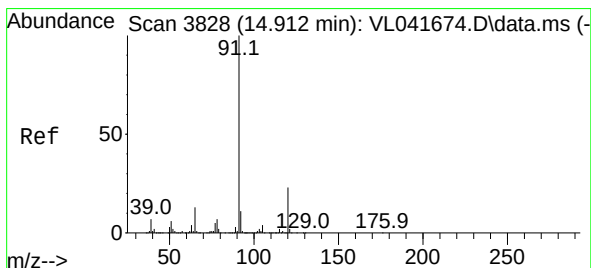
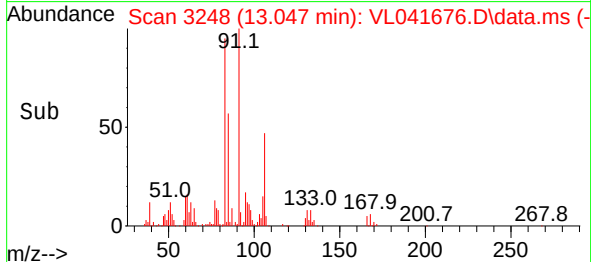
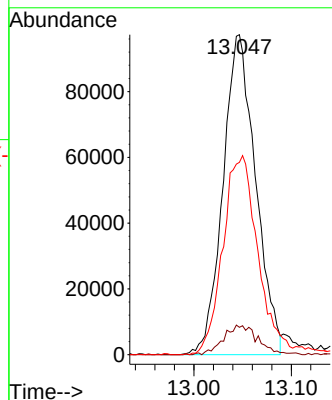
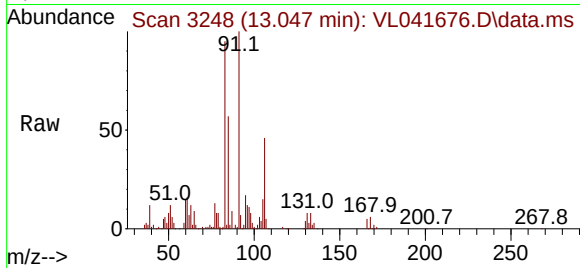
Tgt Ion: 83 Resp: 226867

Ion Ratio Lower Upper

83 100

131 9.8 4.8 14.3

85 68.1 32.6 98.0



#64

n-propylbenzene

Concen: 0.987 ppbv

RT: 14.915 min Scan# 3829

Delta R.T. 0.003 min

Lab File: VL041676.D

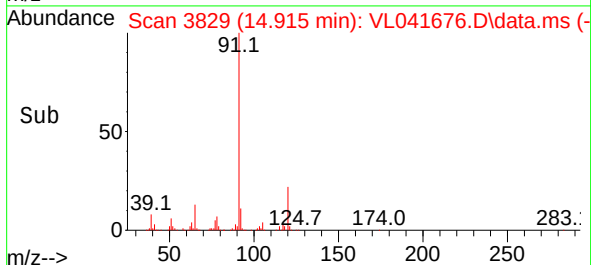
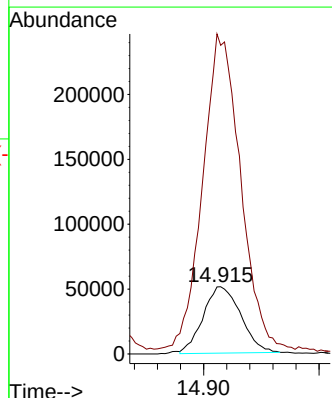
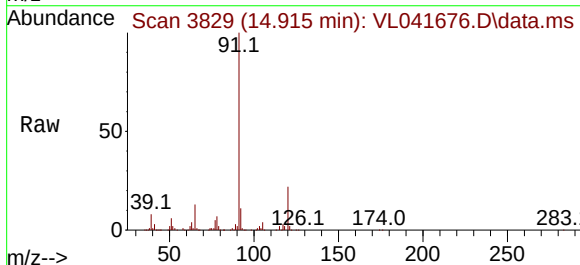
Acq: 7 Nov 2024 11:34

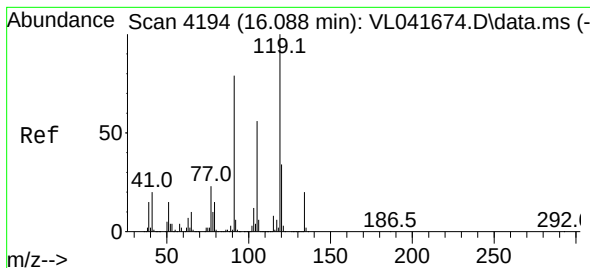
Tgt Ion:120 Resp: 115677

Ion Ratio Lower Upper

120 100

91 500.0 362.4 543.6





#65

tert-Butylbenzene

Concen: 1.053 ppbv

RT: 16.092 min Scan# 4194

Delta R.T. 0.003 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

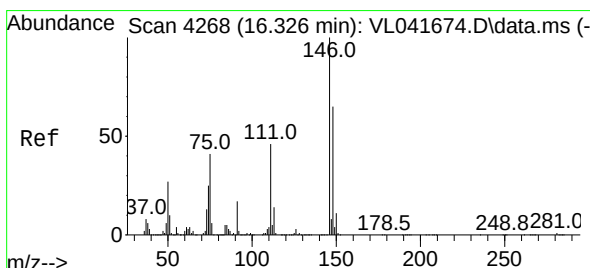
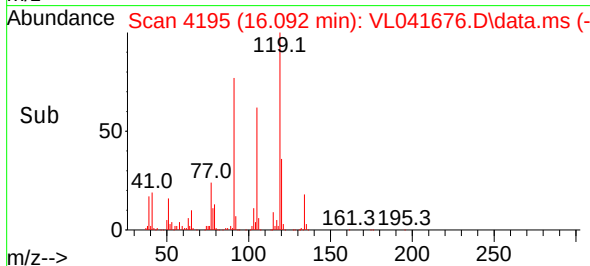
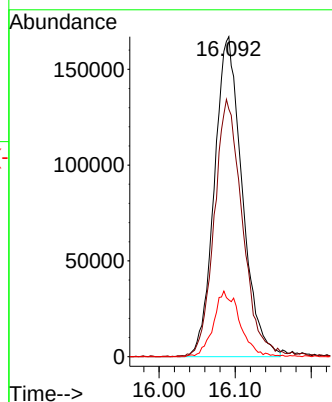
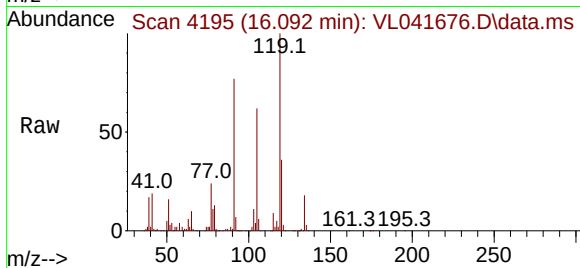
Tgt Ion:119 Resp: 424019

Ion Ratio Lower Upper

119 100

91 82.6 64.3 96.5

134 19.6 15.8 23.8



#66

Benzyl Chloride

Concen: 0.588 ppbv

RT: 16.326 min Scan# 4268

Delta R.T. 0.000 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

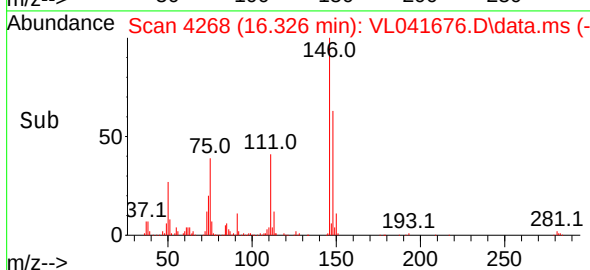
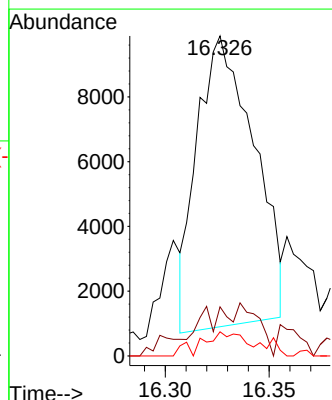
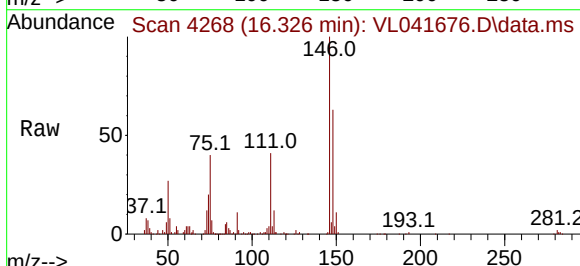
Tgt Ion: 91 Resp: 17066

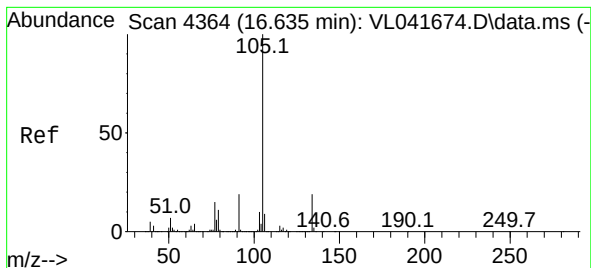
Ion Ratio Lower Upper

91 100

126 27.5 13.8 20.6#

128 7.8 4.3 6.5#





#67

sec-Butylbenzene

Concen: 1.051 ppbv

RT: 16.638 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

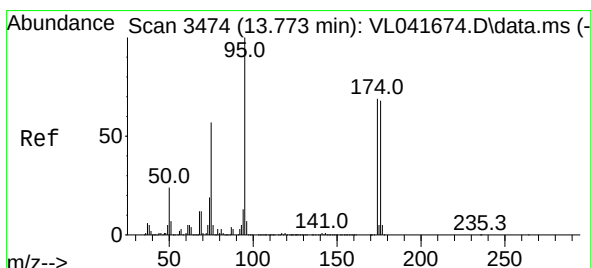
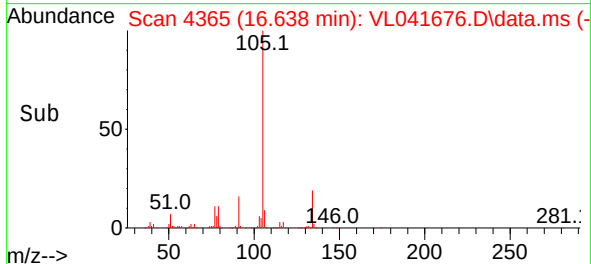
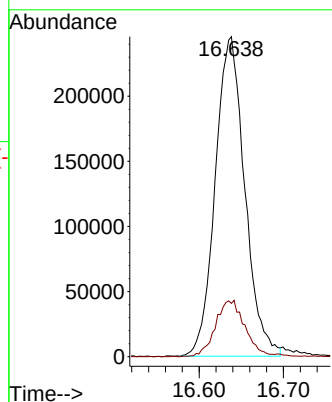
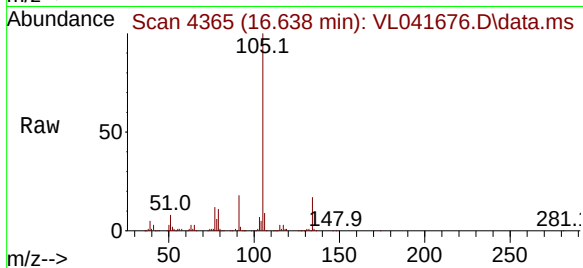
VSTDIC001

Tgt Ion:105 Resp: 596449

Ion Ratio Lower Upper

105 100

134 18.0 14.6 22.0



#68

1-Bromo-4-Fluorobenzene

Concen: 10.073 ppbv

RT: 13.773 min Scan# 3474

Delta R.T. 0.000 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

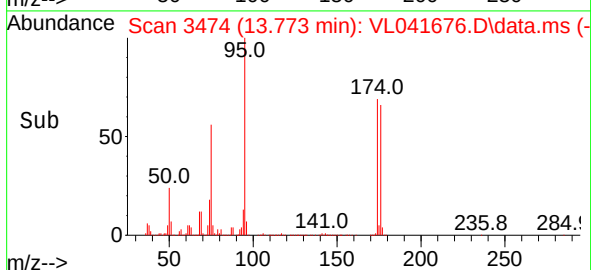
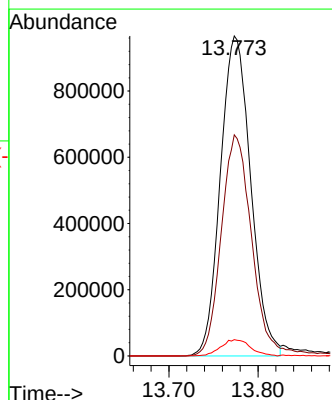
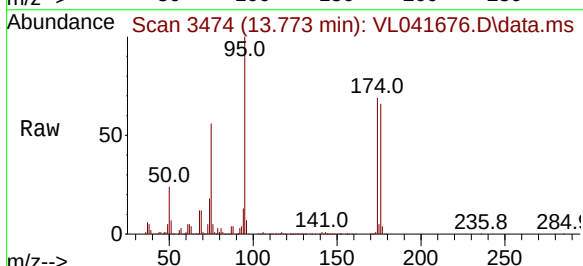
Tgt Ion: 95 Resp: 2285234

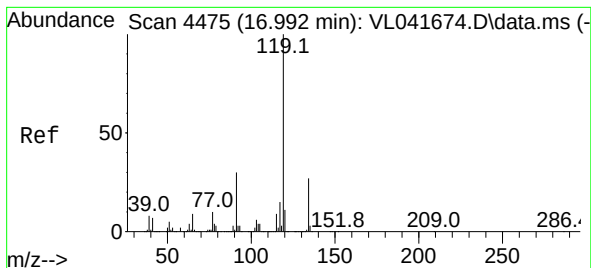
Ion Ratio Lower Upper

95 100

174 70.7 55.6 83.4

175 5.1 4.2 6.2





#69

p-Isopropyltoluene

Concen: 1.048 ppbv

RT: 16.998 min Scan# 4477

Delta R.T. 0.007 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

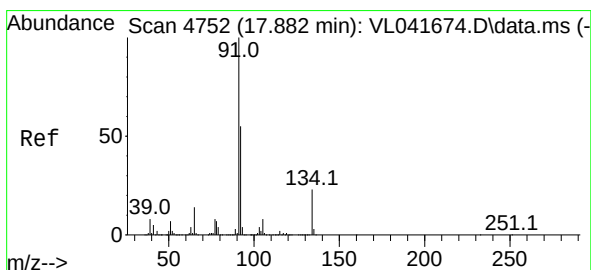
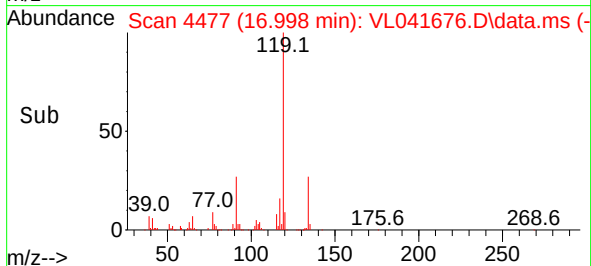
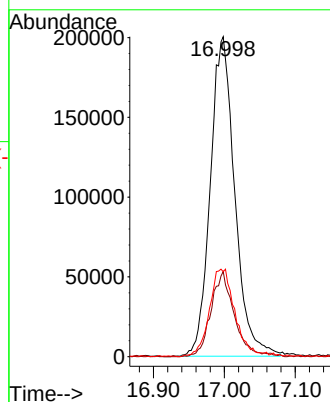
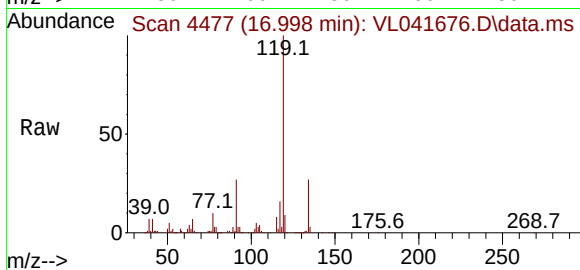
Tgt Ion:119 Resp: 480893

Ion Ratio Lower Upper

119 100

134 25.5 20.8 31.2

91 29.1 23.2 34.8



#70

n-Butylbenzene

Concen: 1.030 ppbv

RT: 17.889 min Scan# 4754

Delta R.T. 0.007 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

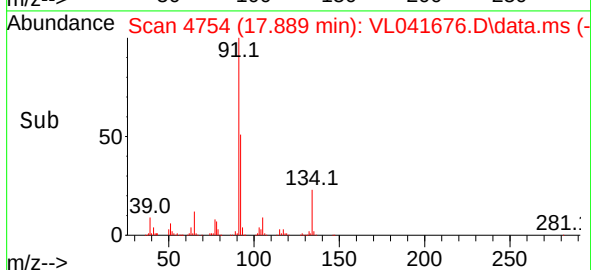
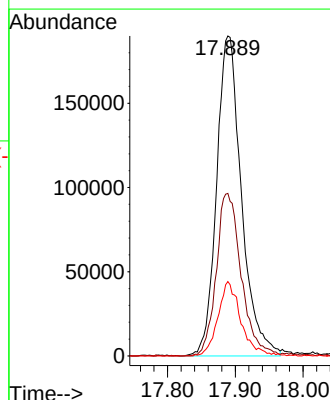
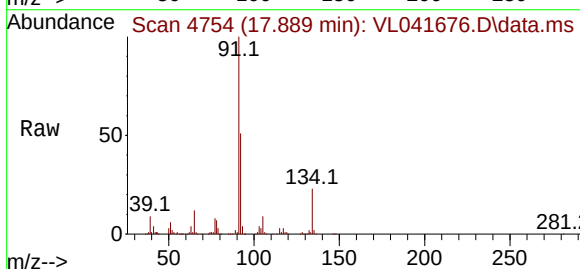
Tgt Ion: 91 Resp: 484367

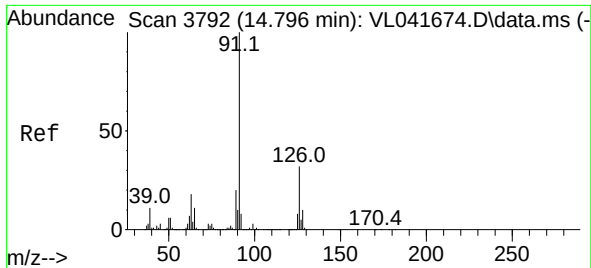
Ion Ratio Lower Upper

91 100

92 51.6 43.3 64.9

134 21.5 18.4 27.6

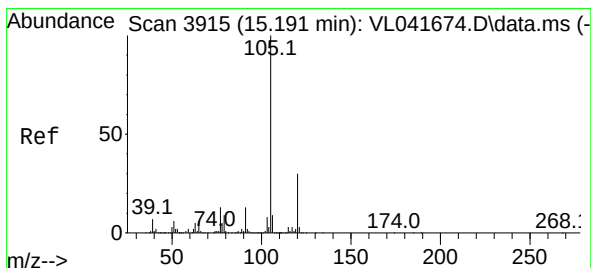
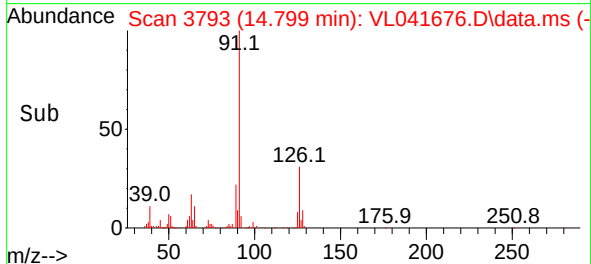
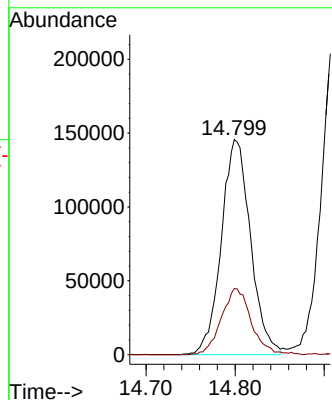
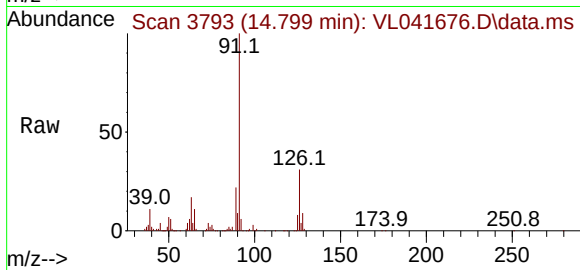




#71
2-Chlorotoluene
Concen: 1.024 ppbv
RT: 14.799 min Scan# 3792
Delta R.T. 0.003 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

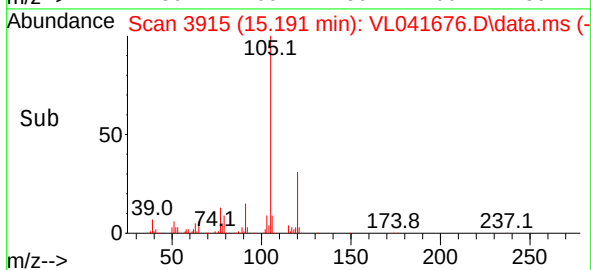
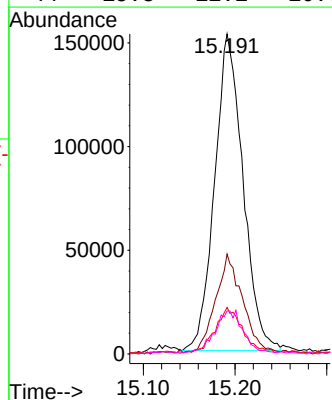
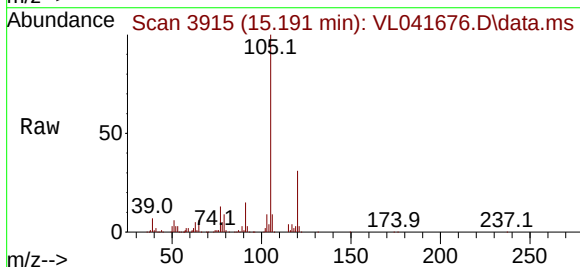
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

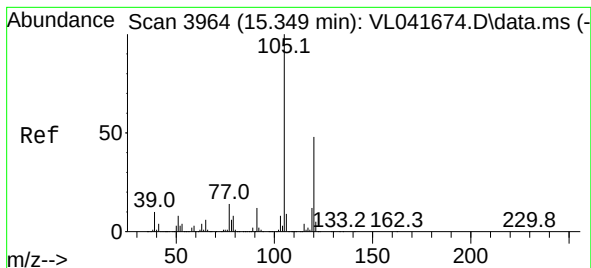
Tgt Ion: 91 Resp: 331921
Ion Ratio Lower Upper
91 100
126 31.5 12.8 51.0



#72
4-Ethyltoluene
Concen: 0.972 ppbv
RT: 15.191 min Scan# 3915
Delta R.T. 0.000 min
Lab File: VL041676.D
Acq: 7 Nov 2024 11:34

Tgt Ion:105 Resp: 327541
Ion Ratio Lower Upper
105 100
120 32.3 25.0 37.4
91 13.6 10.6 15.8
77 15.3 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 0.982 ppbv

RT: 15.352 min Scan# 3965

Delta R.T. 0.003 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_1

ClientSampleId :

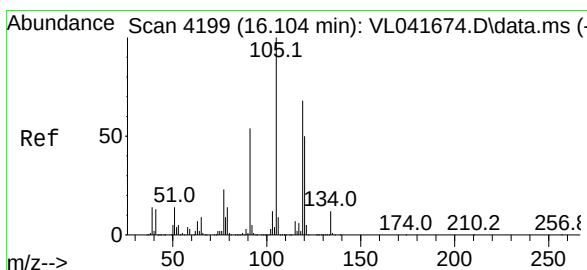
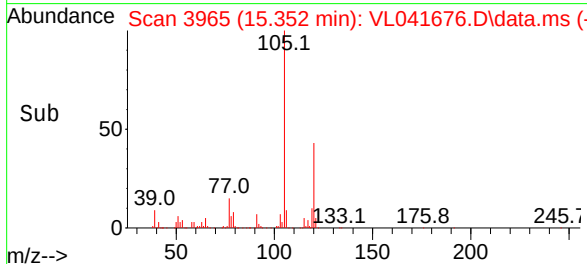
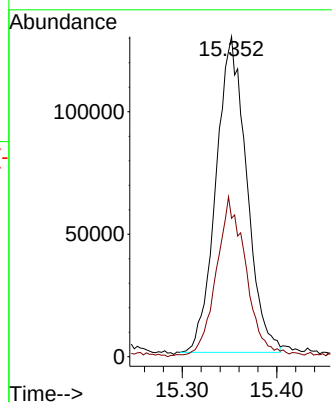
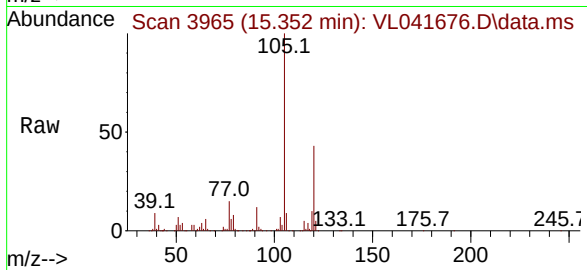
VSTDIC001

Tgt Ion:105 Resp: 290287

Ion Ratio Lower Upper

105 100

120 43.2 38.4 57.6



#74

1,2,4-Trimethylbenzene

Concen: 1.047 ppbv

RT: 16.111 min Scan# 4201

Delta R.T. 0.007 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Tgt Ion:105 Resp: 360083

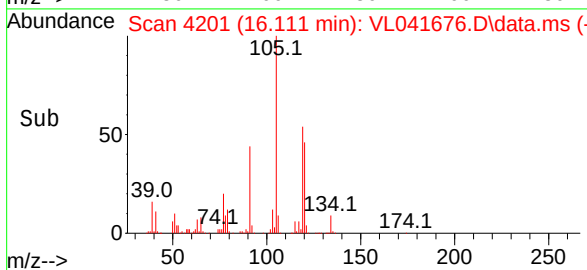
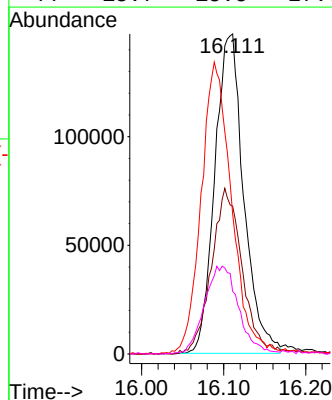
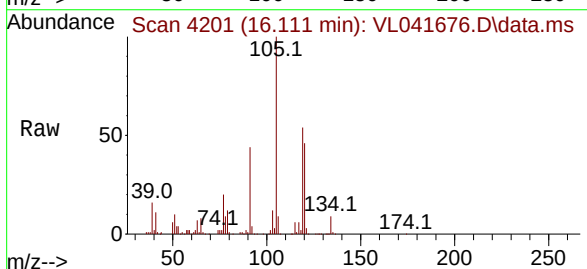
Ion Ratio Lower Upper

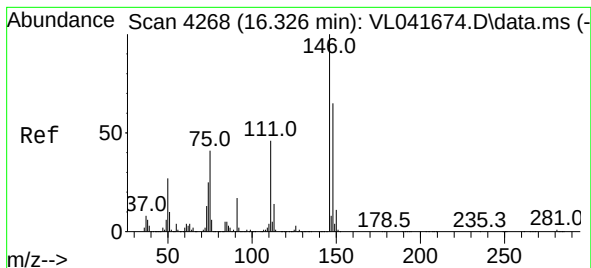
105 100

120 45.1 39.8 59.8

91 42.7 43.2 64.8#

77 18.7 18.5 27.7





#75

1,3-Dichlorobenzene

Concen: 1.028 ppbv

RT: 16.326 min Scan# 4268

Delta R.T. 0.000 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC001

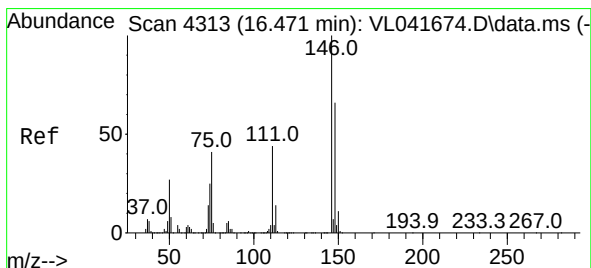
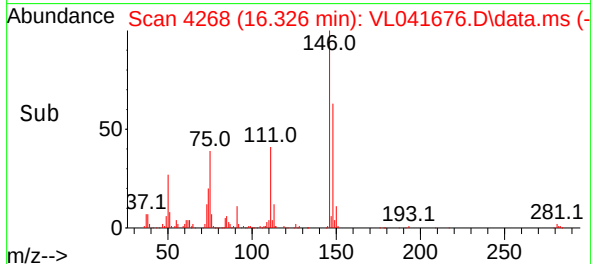
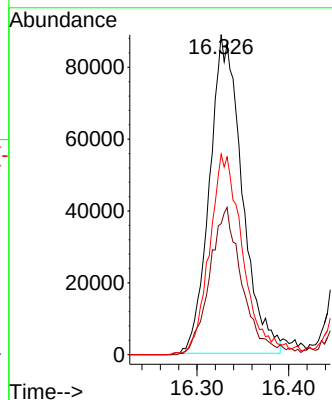
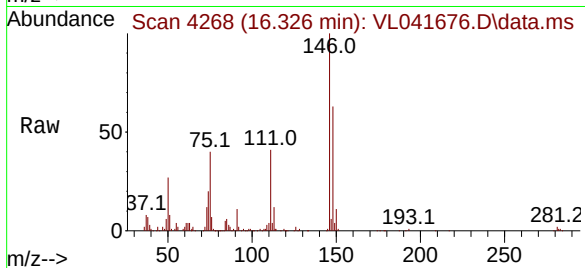
Tgt Ion:146 Resp: 218228

Ion Ratio Lower Upper

146 100

111 46.5 22.8 68.3

148 65.1 32.4 97.0



#76

1,4-Dichlorobenzene

Concen: 0.973 ppbv

RT: 16.471 min Scan# 4313

Delta R.T. 0.000 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

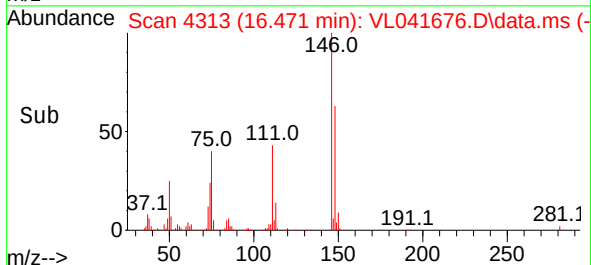
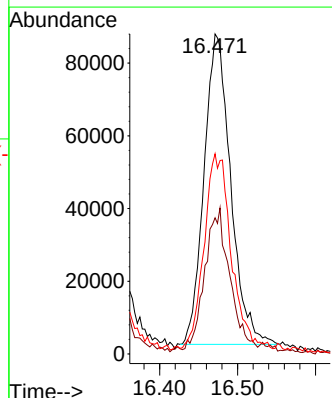
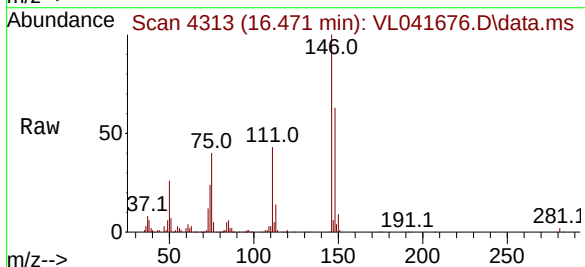
Tgt Ion:146 Resp: 203100

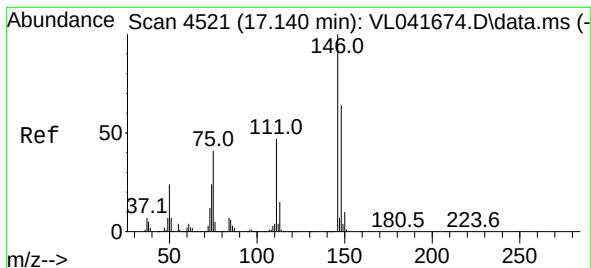
Ion Ratio Lower Upper

146 100

111 48.9 22.1 66.3

148 69.1 33.3 99.8





#77

1,2-Dichlorobenzene

Concen: 1.050 ppbv

RT: 17.143 min Scan# 4521

Delta R.T. 0.003 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

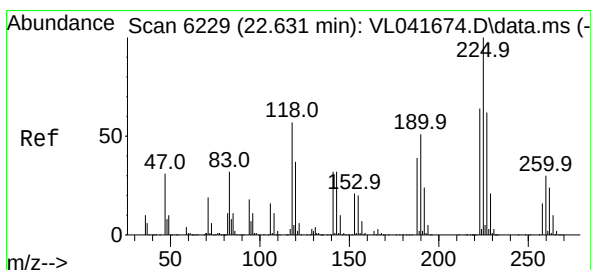
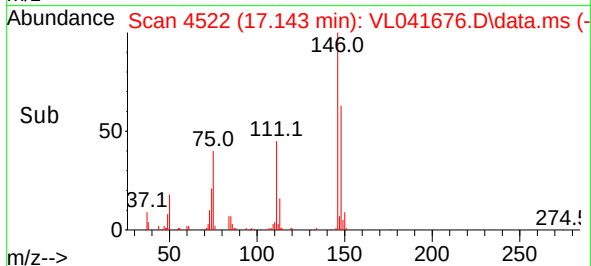
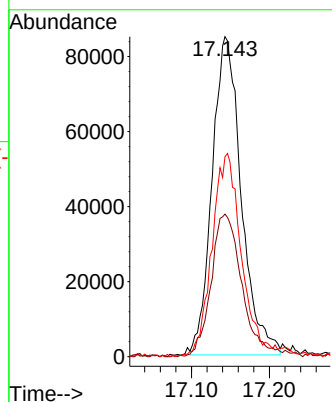
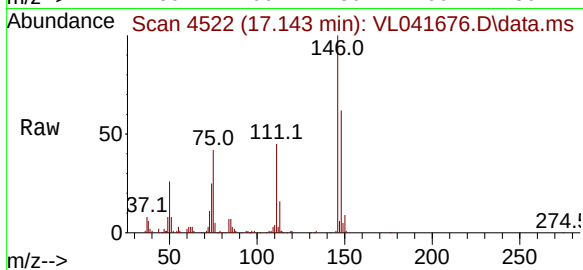
Tgt Ion:146 Resp: 221404

Ion Ratio Lower Upper

146 100

111 48.3 23.4 70.3

148 66.2 32.1 96.5



#78

Hexachloro-1,3-Butadiene

Concen: 0.600 ppbv

RT: 22.632 min Scan# 6229

Delta R.T. 0.000 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

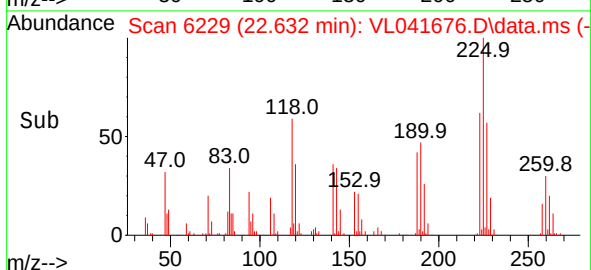
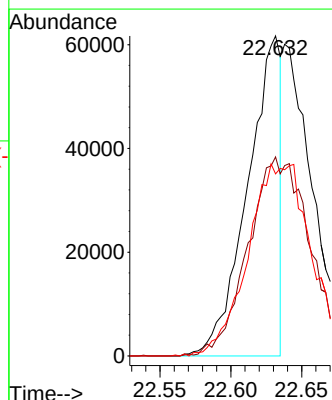
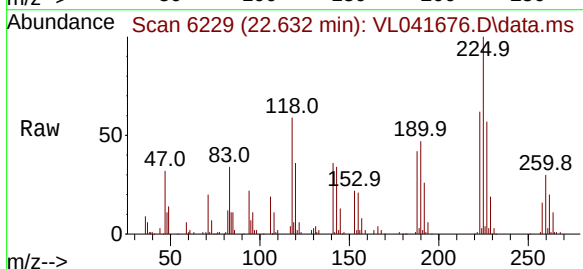
Tgt Ion:225 Resp: 100082

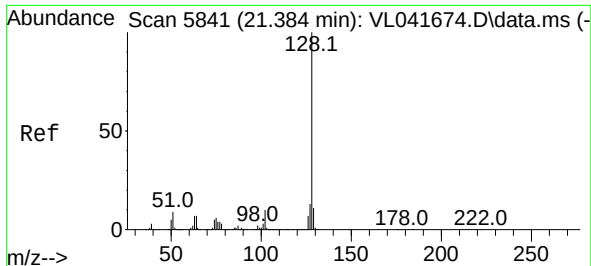
Ion Ratio Lower Upper

225 100

223 120.0 51.1 76.7#

227 118.1 51.3 76.9#





#79

Naphthalene

Concen: 0.344 ppbv

RT: 21.384 min Scan# 5841

Delta R.T. 0.000 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

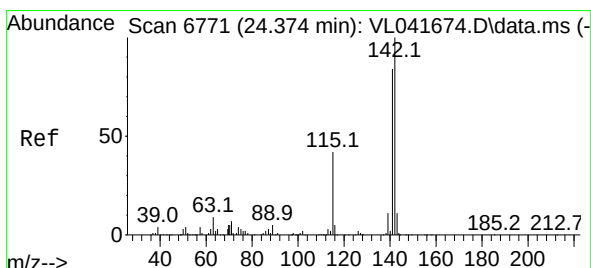
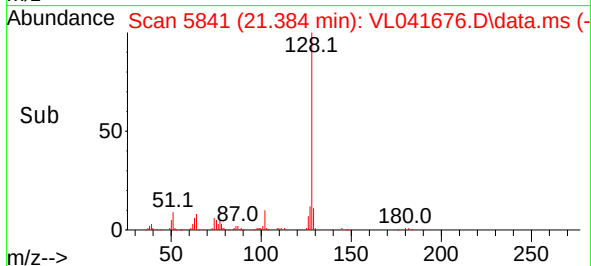
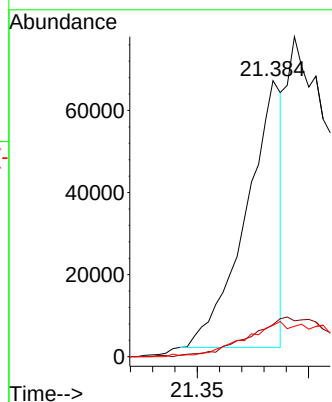
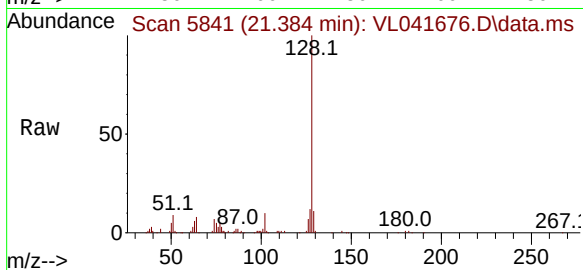
Tgt Ion:128 Resp: 72664

Ion Ratio Lower Upper

128 100

127 11.5 10.5 15.7

129 11.4 8.7 13.1



#80

Naphthalene,2-methyl-

Concen: 0.777 ppbv

RT: 24.374 min Scan# 6771

Delta R.T. 0.000 min

Lab File: VL041676.D

Acq: 7 Nov 2024 11:34

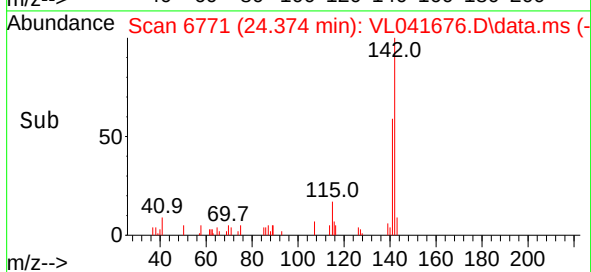
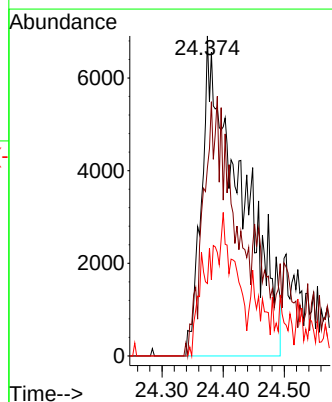
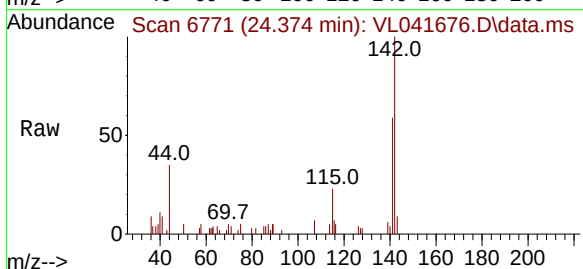
Tgt Ion:142 Resp: 30468

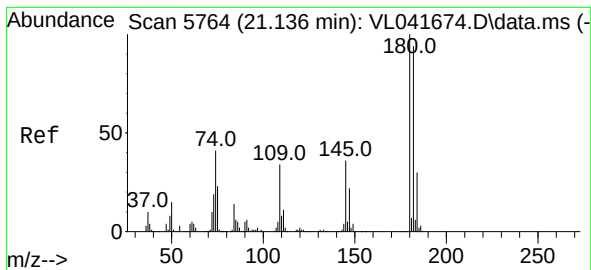
Ion Ratio Lower Upper

142 100

141 62.5 68.1 102.1#

115 41.5 33.1 49.7





#81

1,2,4-Trichlorobenzene

Concen: 0.613 ppbv

RT: 21.146 min Scan# 5

Delta R.T. 0.010 min

Lab File: VL041676.D

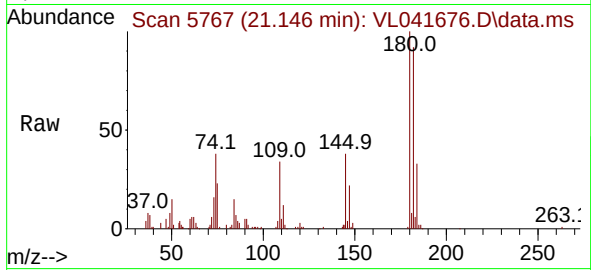
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Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001



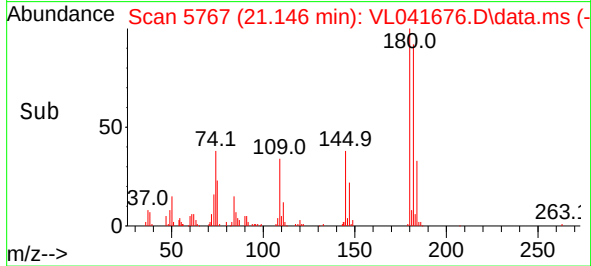
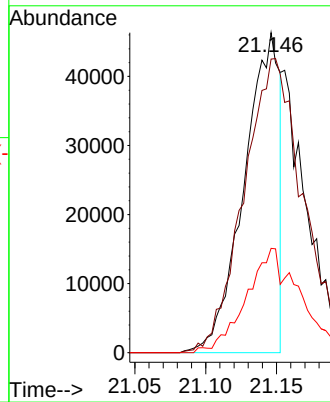
Tgt Ion:180 Resp: 80566

Ion Ratio Lower Upper

180 100

182 160.7 78.2 117.2#

184 52.7 25.0 37.4#



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
 Data File : VL041677.D
 Acq On : 7 Nov 2024 12:13
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Quant Time: Nov 08 00:11:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Nov 08 00:07:44 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.189	49	1153970	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	3232256	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2900644	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	2213310	10.318	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.200%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.726	85	96069	0.461	ppbv	100
3) Chlorodifluoromethane	2.671	51	81180	0.540	ppbv	99
4) Chloromethane	2.809	50	41203	0.517	ppbv #	86
5) Vinyl Chloride	2.915	62	36174	0.501	ppbv	97
6) Bromomethane	3.118	94	19426	0.511	ppbv #	79
7) Chloroethane	3.192	64	13079	0.500	ppbv	90
8) Dichlorotetrafluoroethane	2.854	85	102861	0.552	ppbv	97
9) Propene	2.690	41	32642	0.498	ppbv	96
10) Heptane	7.578	43	63040	0.429	ppbv	99
11) Trichlorofluoromethane	3.558	101	92855	0.511	ppbv	89
12) 1,1,2-Trichlorotrifluo...	4.063	101	67243	0.509	ppbv	96
13) Ethanol	3.256	45	1137	0.279	ppbv #	1
14) Bromoethene	3.362	108	28054	0.528	ppbv #	88
15) Acetone	3.481	43	69299	0.488	ppbv #	85
16) 1,3-Butadiene	2.983	39	33737	0.474	ppbv	88
17) tert-Butyl alcohol	3.890	59	61100	0.490	ppbv #	93
18) 1,1-Dichloroethene	3.877	96	30772	0.531	ppbv	97
19) Isopropyl Alcohol	3.597	45	25362	0.369	ppbv #	75
20) Methylene Chloride	3.928	84	29673	0.568	ppbv	97
21) Allyl Chloride	3.993	41	39722	0.453	ppbv	86
22) trans-1,2-Dichloroethene	4.439	96	27393	0.474	ppbv	96
23) Vinyl Acetate	4.629	43	24529	0.367	ppbv #	79
24) 1,1-Dichloroethane	4.562	63	61980	0.482	ppbv	99
25) Ethyl Acetate	5.211	43	140929	0.479	ppbv #	98
26) Hexane	5.211	57	50843	0.450	ppbv	81
27) Carbon Disulfide	4.121	76	52791	0.416	ppbv #	86
28) Methyl tert-Butyl Ether	4.594	73	34128	0.469	ppbv	96
29) Chloroform	5.266	83	98787	0.530	ppbv	93
30) Cyclohexane	6.600	84	33080	0.365	ppbv #	85
31) cis-1,2-Dichloroethene	5.076	61	50385	0.464	ppbv	94
32) 1,1,1-Trichloroethane	5.999	97	84699	0.496	ppbv	96
34) 2-Butanone	4.796	43	78940	0.490	ppbv	99
35) Carbon Tetrachloride	6.488	117	49670	0.291	ppbv	92
36) Benzene	6.362	78	107078	0.447	ppbv	97
37) 1,2-Dichloroethane	5.803	62	64024	0.474	ppbv	97
38) Trichloroethene	7.291	130	42598	0.461	ppbv #	90
39) 1,2-Dichloropropane	7.070	63	44946	0.475	ppbv	93
40) 1,4-Dioxane	7.291	88	145	0.004	ppbv #	1
41) Tetrahydrofuran	5.574	42	18151	0.198	ppbv #	42
42) Bromodichloromethane	7.246	83	86164	0.459	ppbv	97
43) Methyl Methacrylate	7.475	69	29969	0.356	ppbv	89
44) 2,2,4-Trimethylpentane	7.327	57	175510	0.433	ppbv	93
45) t-1,3-Dichloropropene	8.709	75	22287	0.296	ppbv	92

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
 Data File : VL041677.D
 Acq On : 7 Nov 2024 12:13
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

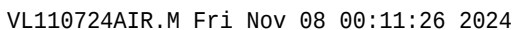
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 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

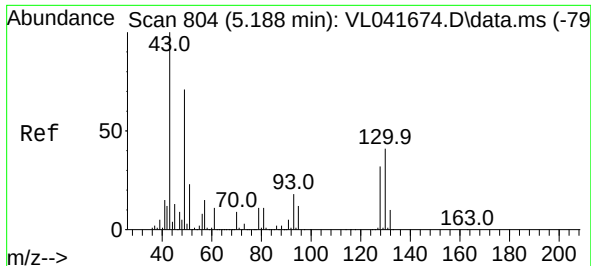
Quant Time: Nov 08 00:11:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Nov 08 00:07:44 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.143	75	33612	0.308	ppbv	98
47) 1,1,2-Trichloroethane	8.889	97	30507	0.299	ppbv	96
48) Dibromochloromethane	9.709	129	64053	0.411	ppbv	99
49) Bromoform	12.401	173	28465	0.214	ppbv #	27
50) 4-Methyl-2-Pentanone	8.198	43	90923	0.368	ppbv	98
51) 2-Hexanone	9.565	43	16978	0.095	ppbv #	31
52) Tetrachloroethene	10.610	164	29917	0.365	ppbv	89
53) Toluene	9.221	91	90468	0.359	ppbv	99
54) 1,2-Dibromoethane	10.002	107	25474	0.214	ppbv	87
56) 1,1,1,2-Tetrachloroethane	11.510	131	61817	0.512	ppbv #	1
57) Chlorobenzene	11.529	112	42625	0.197	ppbv	98
58) Ethyl Benzene	12.089	91	68854	0.214	ppbv	96
59) m/p-Xylene	12.372	91	100159	0.348	ppbv #	4
60) o-Xylene	13.060	91	111856	0.408	ppbv	99
61) Styrene	12.899	104	33155	0.293	ppbv	94
62) Isopropylbenzene	14.031	105	187478	0.443	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.050	83	100534	0.503	ppbv	96
64) n-propylbenzene	14.921	120	27038	0.244	ppbv #	1
65) tert-Butylbenzene	16.092	119	162846	0.428	ppbv	95
66) Benzyl Chloride	16.330	91	2089	0.076	ppbv #	58
67) sec-Butylbenzene	16.638	105	230007	0.429	ppbv	100
69) p-Isopropyltoluene	16.995	119	169014	0.389	ppbv	95
70) n-Butylbenzene	17.892	91	158268	0.356	ppbv	98
71) 2-Chlorotoluene	14.802	91	122982	0.401	ppbv	100
72) 4-Ethyltoluene	15.191	105	113592	0.356	ppbv #	93
73) 1,3,5-Trimethylbenzene	15.355	105	69729	0.250	ppbv	99
74) 1,2,4-Trimethylbenzene	16.111	105	142178	0.437	ppbv #	87
75) 1,3-Dichlorobenzene	16.323	146	33527	0.167	ppbv #	23
76) 1,4-Dichlorobenzene	16.468	146	6516	0.033	ppbv #	23
77) 1,2-Dichlorobenzene	17.146	146	93228	0.468	ppbv	94
78) Hexachloro-1,3-Butadiene	22.638	225	65313	0.414	ppbv #	73
79) Naphthalene	21.397	128	36894	0.185	ppbv #	94
80) Naphthalene,2-methyl-	24.410	142	11292	0.304	ppbv #	62
81) 1,2,4-Trichlorobenzene	21.143	180	18569	0.149	ppbv #	1

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

Quant Time: Nov 08 00:11:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Nov 08 00:07:44 2024
Response via : Initial Calibration

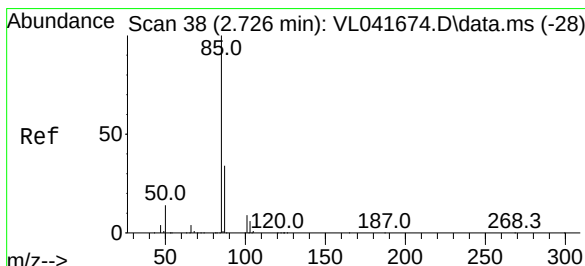
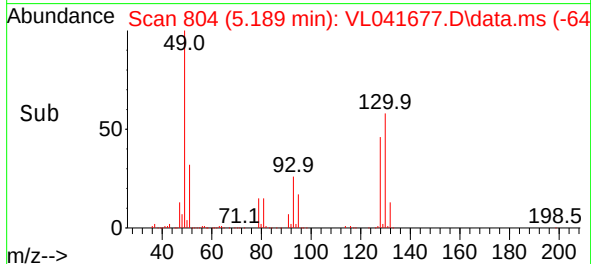
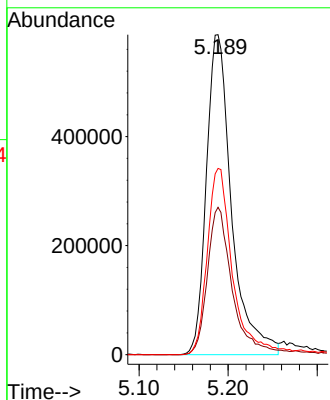
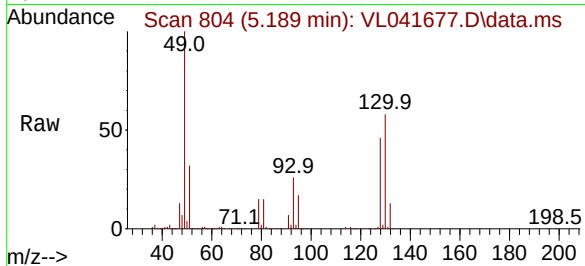




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.189 min Scan# 80
 Delta R.T. 0.001 min
 Lab File: VL041677.D
 Acq: 7 Nov 2024 12:13

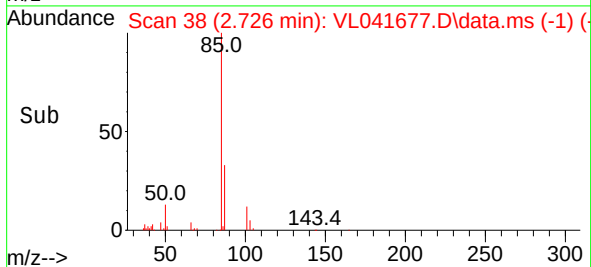
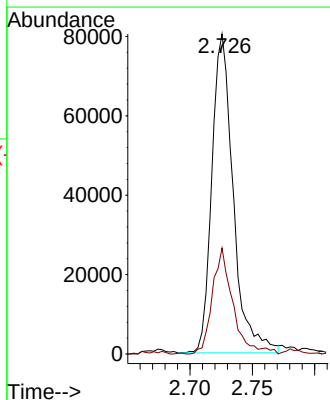
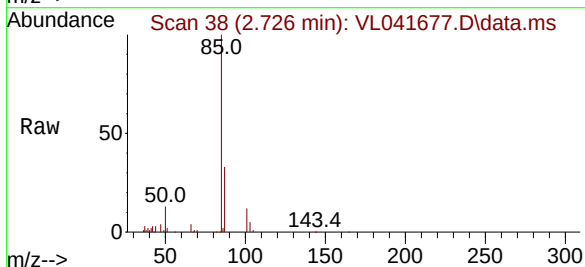
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

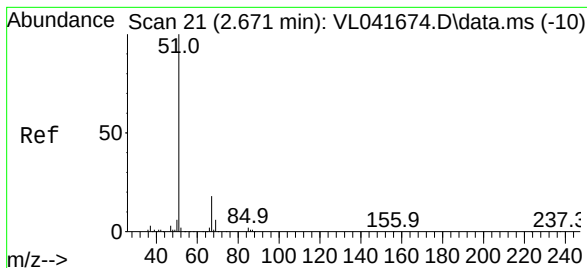
Tgt Ion: 49 Resp: 1153970
 Ion Ratio Lower Upper
 49 100
 128 47.2 23.8 71.2
 130 59.9 30.1 90.5



#2
 Dichlorodifluoromethane
 Concen: 0.461 ppbv
 RT: 2.726 min Scan# 38
 Delta R.T. 0.000 min
 Lab File: VL041677.D
 Acq: 7 Nov 2024 12:13

Tgt Ion: 85 Resp: 96069
 Ion Ratio Lower Upper
 85 100
 87 33.2 26.8 40.2

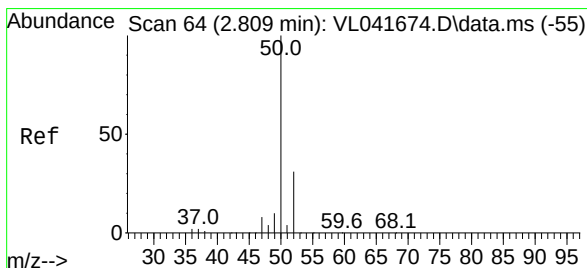
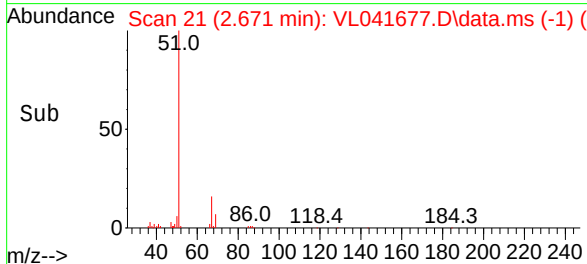
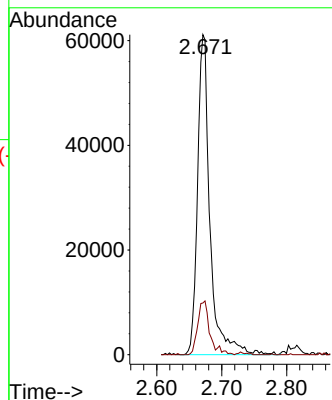
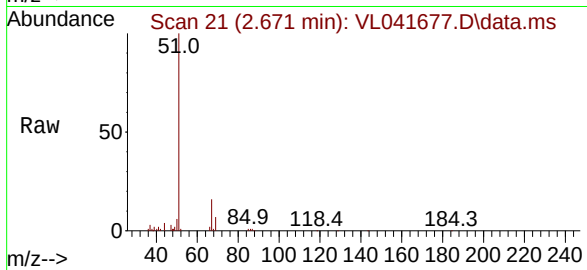




#3
Chlorodifluoromethane
Concen: 0.540 ppbv
RT: 2.671 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13

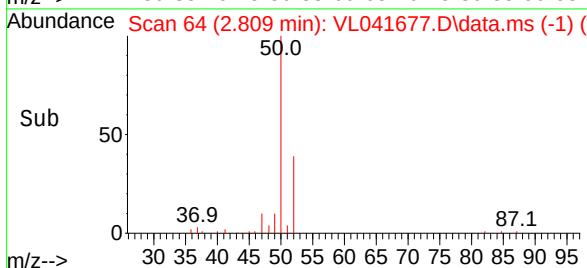
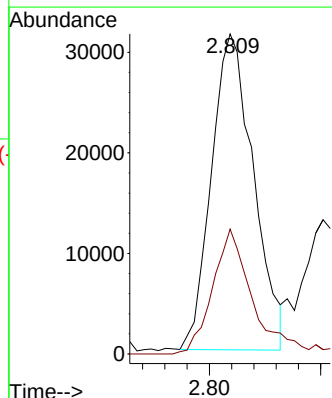
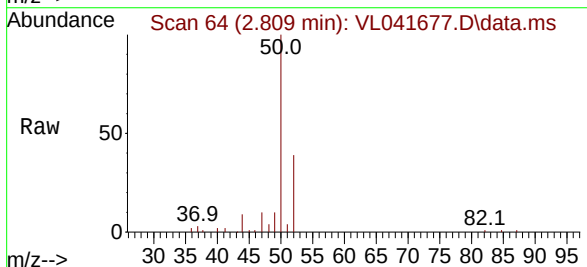
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

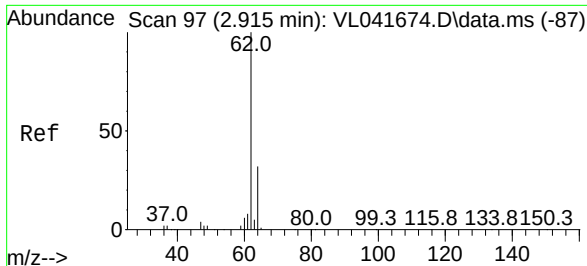
Tgt Ion: 51 Resp: 81180
Ion Ratio Lower Upper
51 100
67 16.8 13.9 20.9



#4
Chloromethane
Concen: 0.517 ppbv
RT: 2.809 min Scan# 64
Delta R.T. 0.000 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13

Tgt Ion: 50 Resp: 41203
Ion Ratio Lower Upper
50 100
52 38.9 24.9 37.3#





#5

Vinyl Chloride

Concen: 0.501 ppbv

RT: 2.915 min Scan# 91

Delta R.T. 0.000 min

Lab File: VL041677.D

Acq: 7 Nov 2024 12:13

Instrument :

MSVOA_L

ClientSampleId :

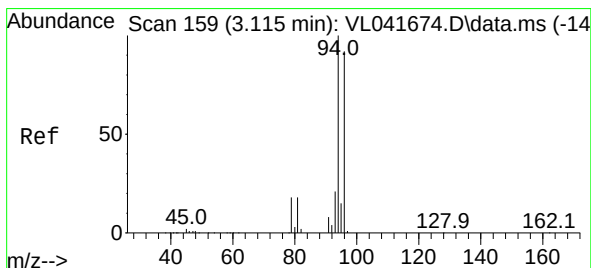
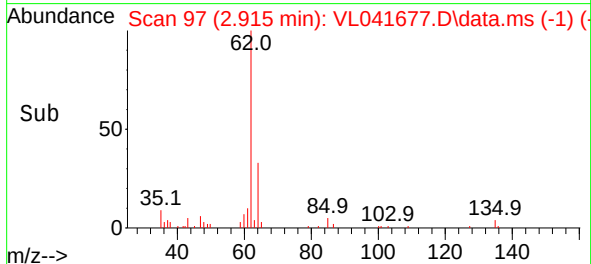
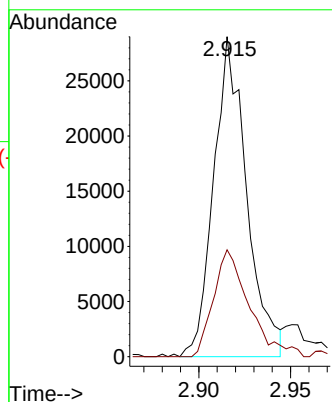
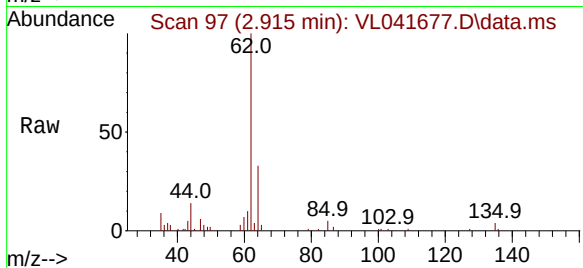
VSTDIC0.5

Tgt Ion: 62 Resp: 36174

Ion Ratio Lower Upper

62 100

64 33.4 25.4 38.2



#6

Bromomethane

Concen: 0.511 ppbv

RT: 3.118 min Scan# 160

Delta R.T. 0.003 min

Lab File: VL041677.D

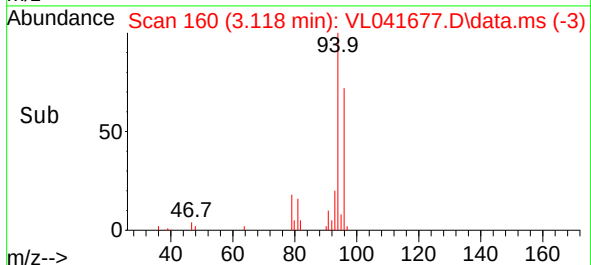
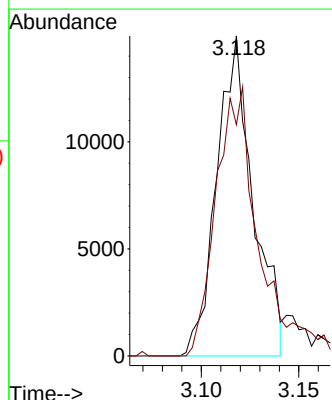
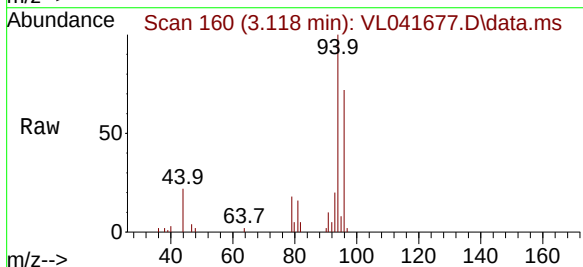
Acq: 7 Nov 2024 12:13

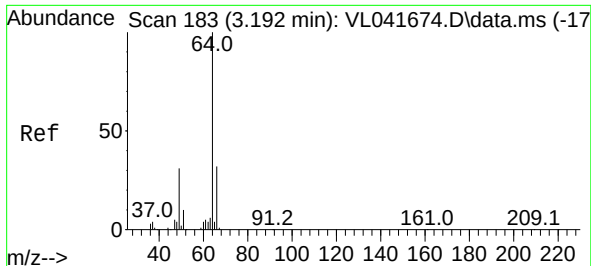
Tgt Ion: 94 Resp: 19426

Ion Ratio Lower Upper

94 100

96 72.2 73.4 110.2#

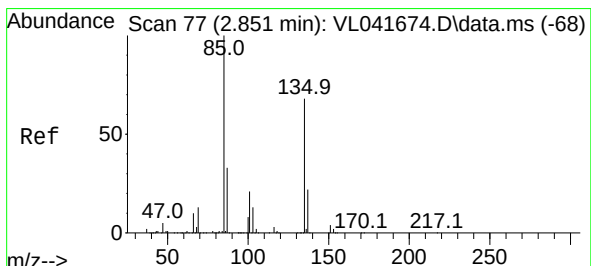
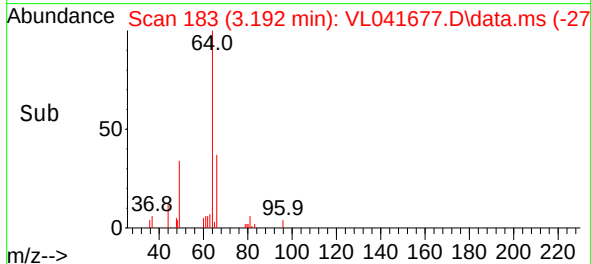
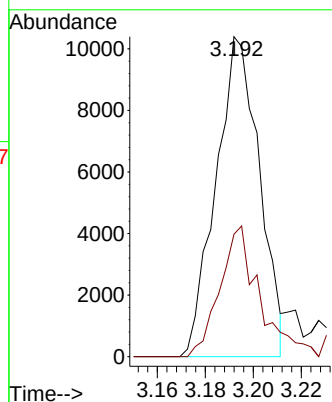
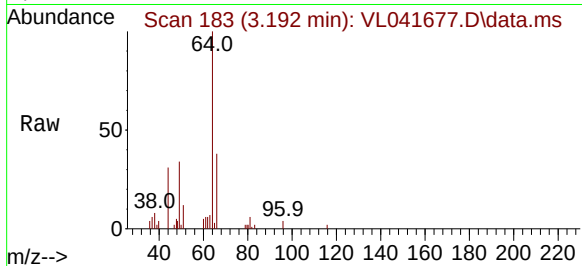




#7
Chloroethane
Concen: 0.500 ppbv
RT: 3.192 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13

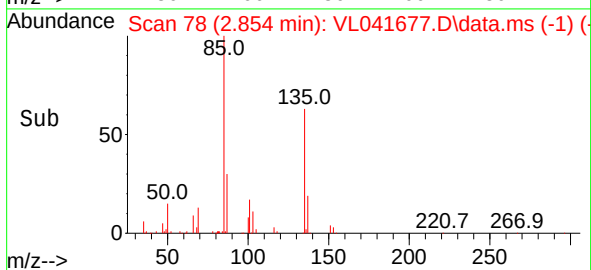
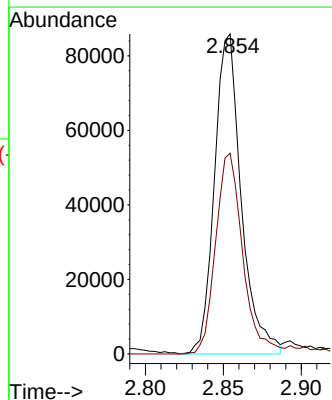
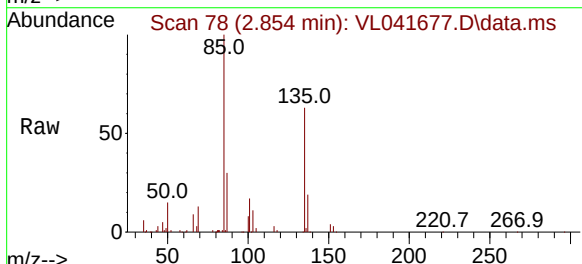
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

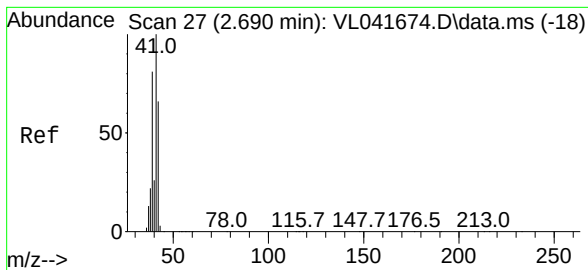
Tgt Ion: 64 Resp: 13079
Ion Ratio Lower Upper
64 100
66 38.3 25.9 38.9



#8
Dichlorotetrafluoroethane
Concen: 0.552 ppbv
RT: 2.854 min Scan# 78
Delta R.T. 0.003 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13

Tgt Ion: 85 Resp: 102861
Ion Ratio Lower Upper
85 100
135 67.0 55.5 83.3





#9

Propene

Concen: 0.498 ppbv

RT: 2.690 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL041677.D

Acq: 7 Nov 2024 12:13

Instrument :

MSVOA_L

ClientSampleId :

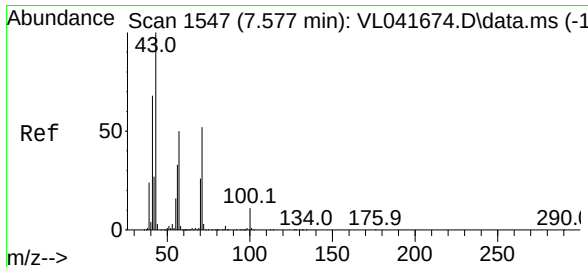
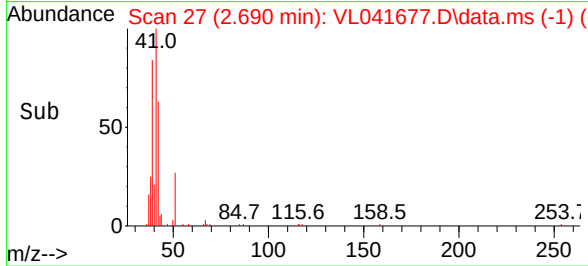
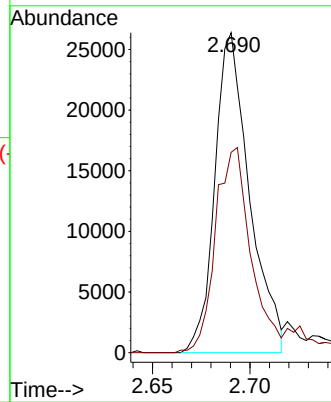
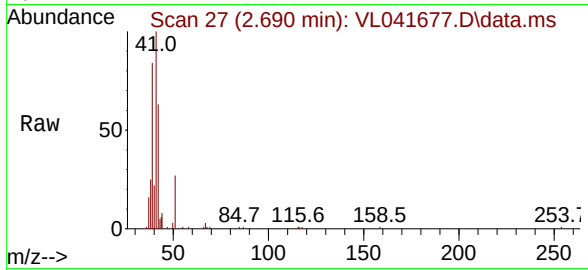
VSTDIC0.5

Tgt Ion: 41 Resp: 32642

Ion Ratio Lower Upper

41 100

42 72.3 55.0 82.4



#10

Heptane

Concen: 0.429 ppbv

RT: 7.578 min Scan# 1547

Delta R.T. 0.000 min

Lab File: VL041677.D

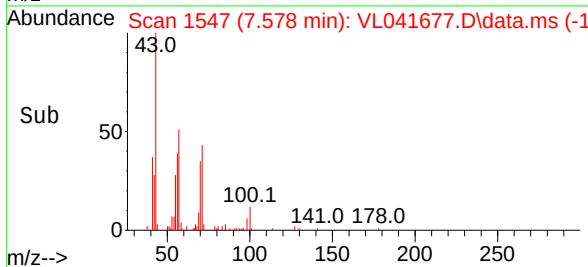
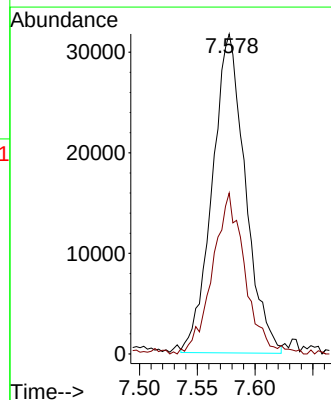
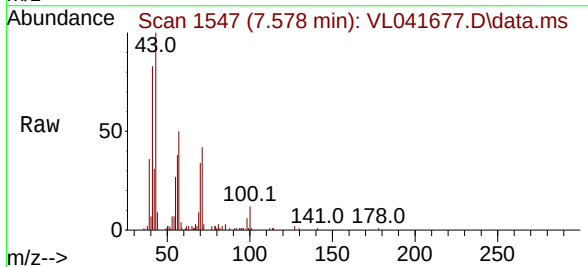
Acq: 7 Nov 2024 12:13

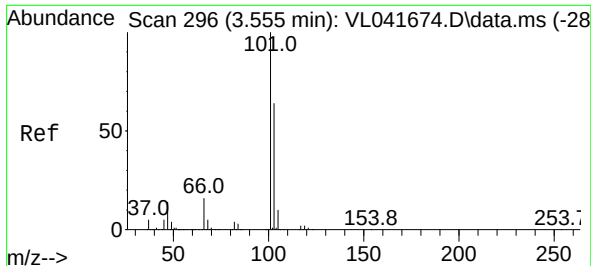
Tgt Ion: 43 Resp: 63040

Ion Ratio Lower Upper

43 100

57 50.4 40.0 60.0





#11

Trichlorofluoromethane

Concen: 0.511 ppbv

RT: 3.558 min Scan# 296

Delta R.T. 0.003 min

Lab File: VL041677.D

Acq: 7 Nov 2024 12:13

Instrument :

MSVOA_L

ClientSampleId :

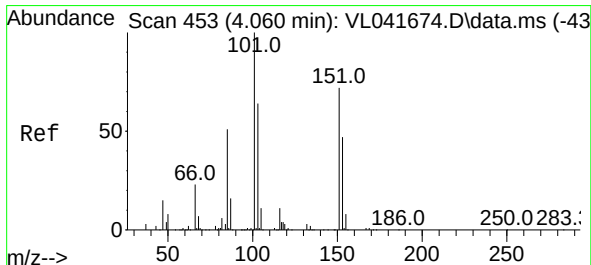
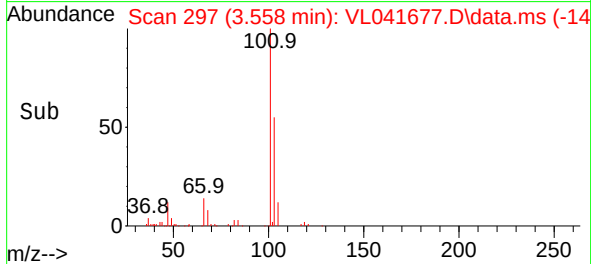
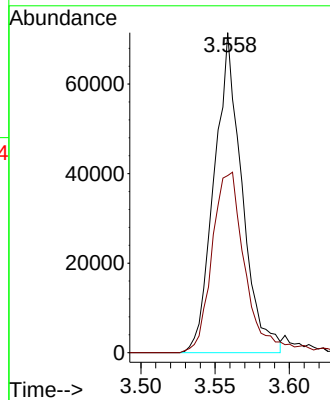
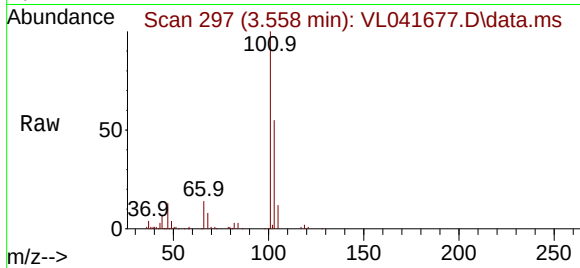
VSTDIC0.5

Tgt Ion:101 Resp: 92855

Ion Ratio Lower Upper

101 100

103 55.4 51.0 76.6



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.509 ppbv

RT: 4.063 min Scan# 454

Delta R.T. 0.003 min

Lab File: VL041677.D

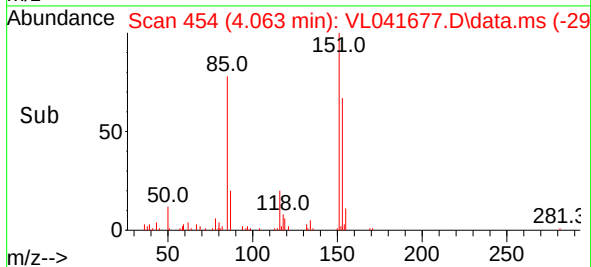
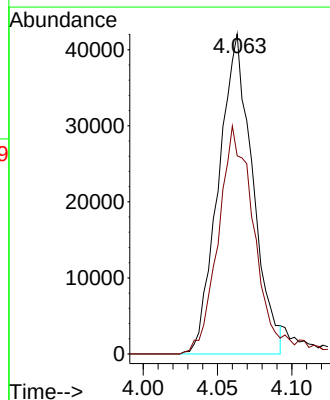
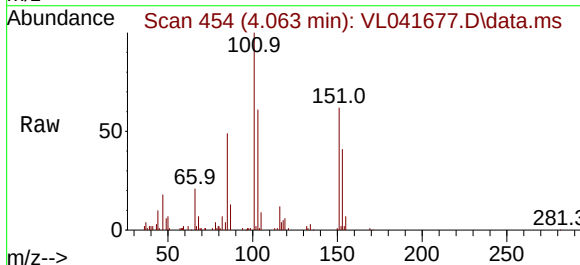
Acq: 7 Nov 2024 12:13

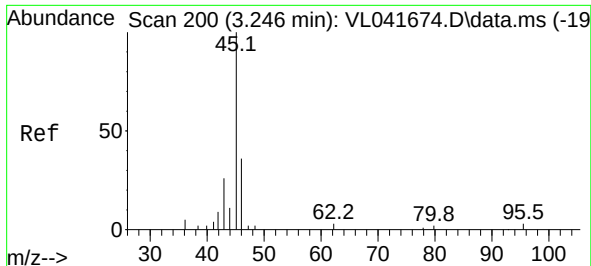
Tgt Ion:101 Resp: 67243

Ion Ratio Lower Upper

101 100

151 77.5 59.1 88.7





#13

Ethanol

Concen: 0.279 ppbv

RT: 3.256 min Scan# 20

Delta R.T. 0.010 min

Lab File: VL041677.D

Acq: 7 Nov 2024 12:13

Instrument :

MSVOA_L

ClientSampleId :

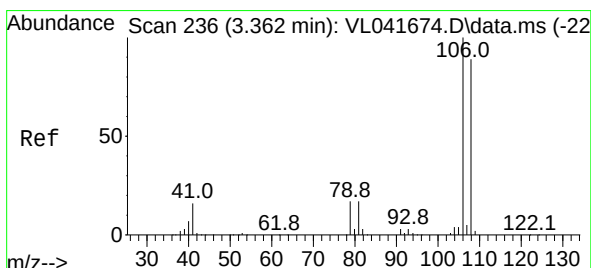
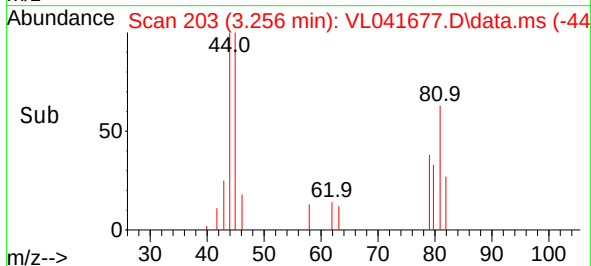
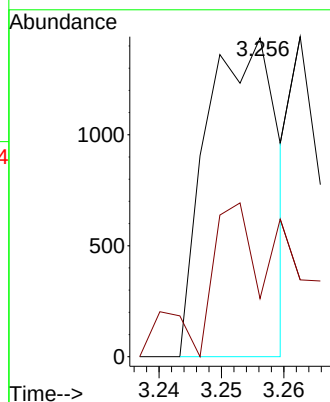
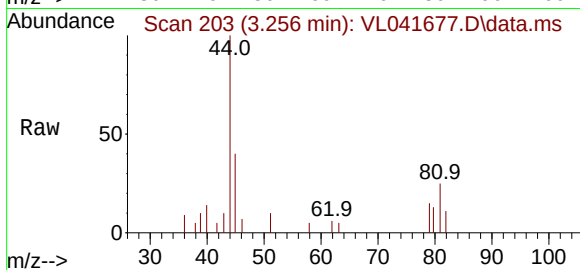
VSTDIC0.5

Tgt Ion: 45 Resp: 1137

Ion Ratio Lower Upper

45 100

46 93.1 13.8 55.2#



#14

Bromoethene

Concen: 0.528 ppbv

RT: 3.362 min Scan# 236

Delta R.T. 0.000 min

Lab File: VL041677.D

Acq: 7 Nov 2024 12:13

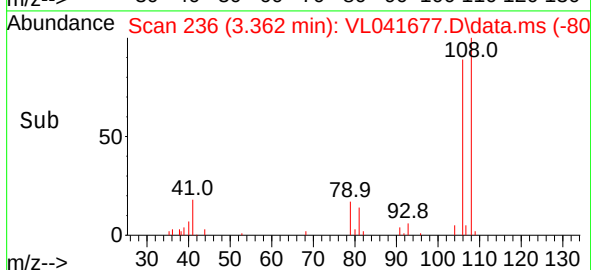
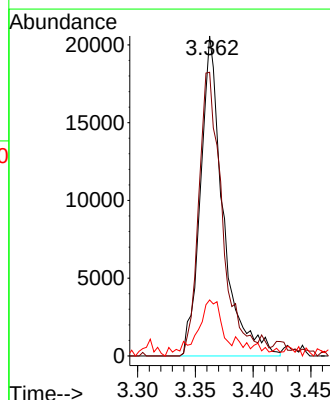
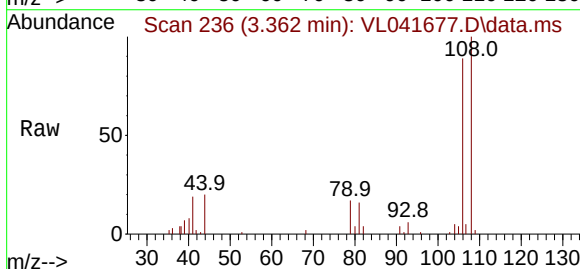
Tgt Ion:108 Resp: 28054

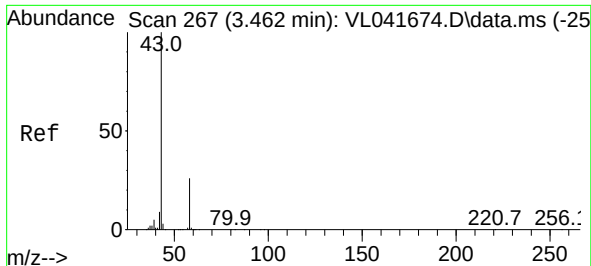
Ion Ratio Lower Upper

108 100

106 98.7 88.6 133.0

79 24.9 15.6 23.4#

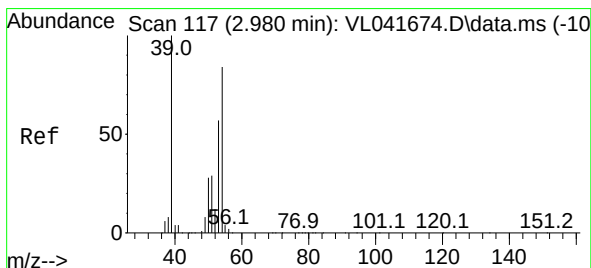
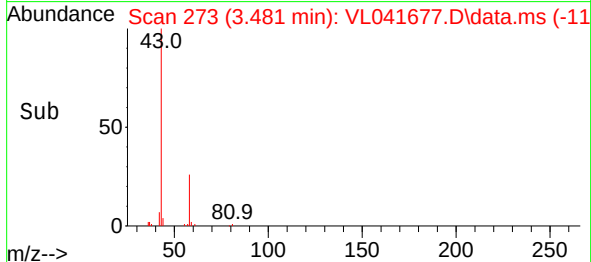
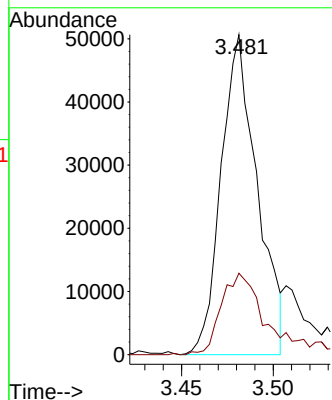
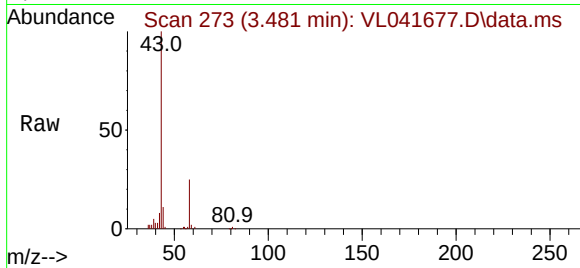




#15
Acetone
Concen: 0.488 ppbv
RT: 3.481 min Scan# 21
Delta R.T. 0.019 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13

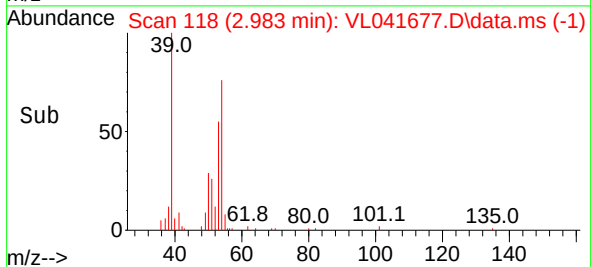
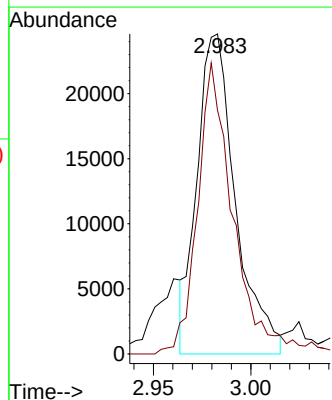
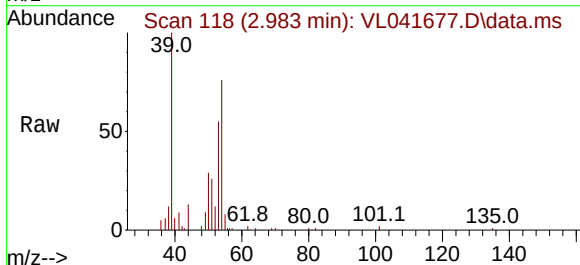
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

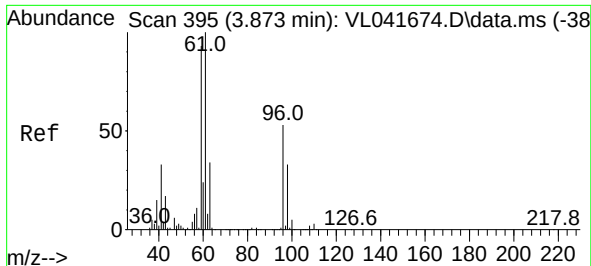
Tgt Ion: 43 Resp: 69299
Ion Ratio Lower Upper
43 100
58 34.4 21.4 32.0#



#16
1,3-Butadiene
Concen: 0.474 ppbv
RT: 2.983 min Scan# 118
Delta R.T. 0.003 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13

Tgt Ion: 39 Resp: 33737
Ion Ratio Lower Upper
39 100
54 86.9 61.3 91.9





#17

tert-Butyl alcohol

Concen: 0.490 ppbv

RT: 3.890 min Scan# 400

Delta R.T. 0.016 min

Lab File: VL041677.D

Acq: 7 Nov 2024 12:13

Instrument :

MSVOA_1

ClientSampleId :

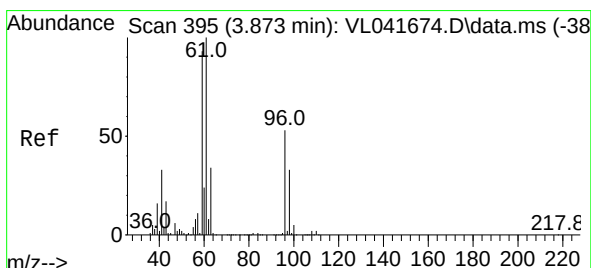
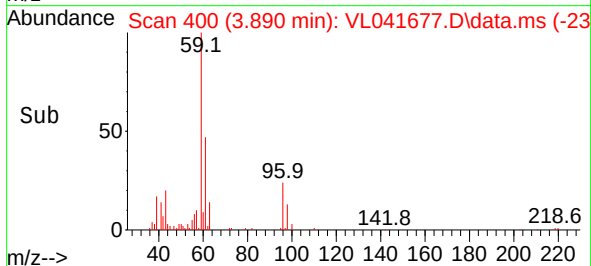
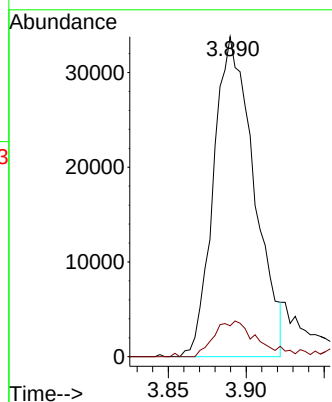
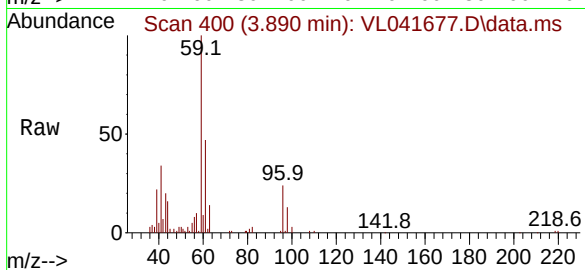
VSTDICC0.5

Tgt Ion: 59 Resp: 61100

Ion Ratio Lower Upper

59 100

57 13.4 8.5 12.7#



#18

1,1-Dichloroethene

Concen: 0.531 ppbv

RT: 3.877 min Scan# 396

Delta R.T. 0.003 min

Lab File: VL041677.D

Acq: 7 Nov 2024 12:13

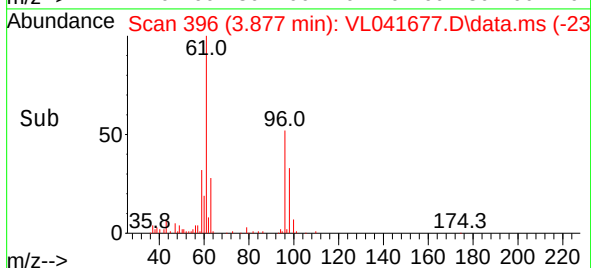
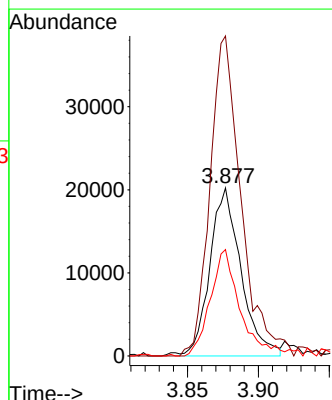
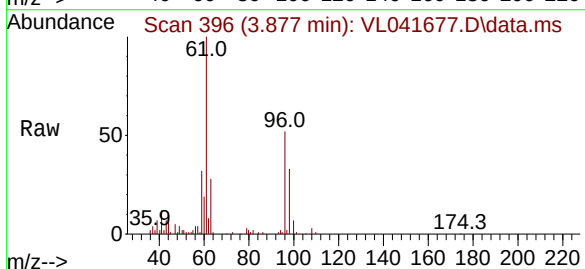
Tgt Ion: 96 Resp: 30772

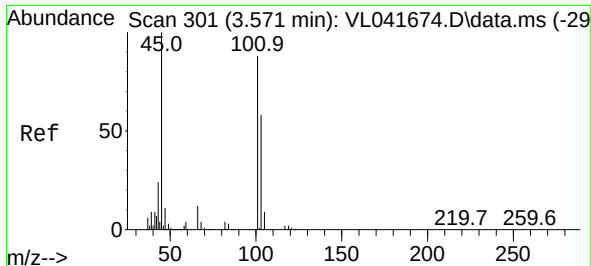
Ion Ratio Lower Upper

96 100

61 192.9 150.7 226.1

98 64.1 49.4 74.2





#19

Isopropyl Alcohol

Concen: 0.369 ppbv

RT: 3.597 min Scan# 301

Delta R.T. 0.026 min

Lab File: VL041677.D

Acq: 7 Nov 2024 12:13

Instrument :

MSVOA_L

ClientSampleId :

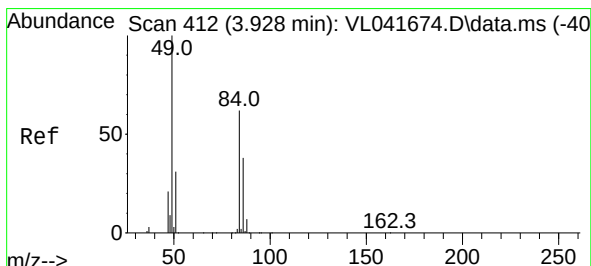
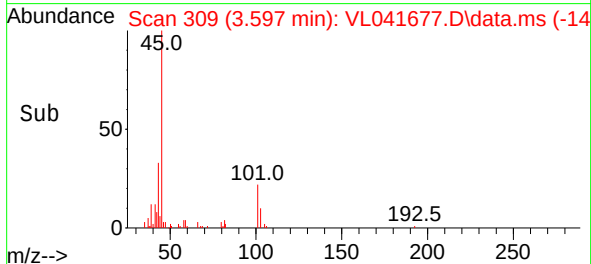
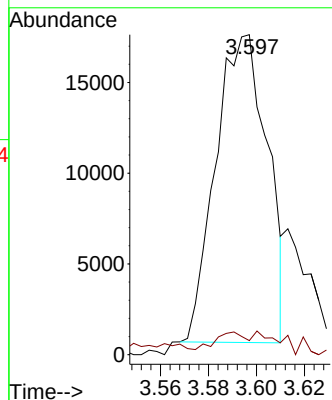
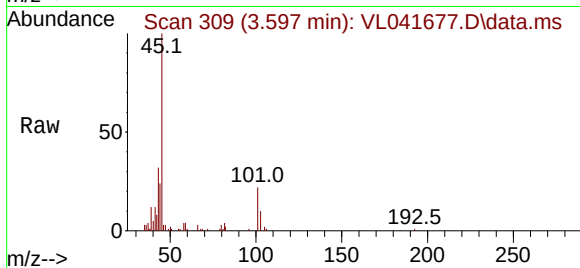
VSTDIC0.5

Tgt Ion: 45 Resp: 25362

Ion Ratio Lower Upper

45 100

58 11.5 2.5 3.7#



#20

Methylene Chloride

Concen: 0.568 ppbv

RT: 3.928 min Scan# 412

Delta R.T. 0.000 min

Lab File: VL041677.D

Acq: 7 Nov 2024 12:13

Tgt Ion: 84 Resp: 29673

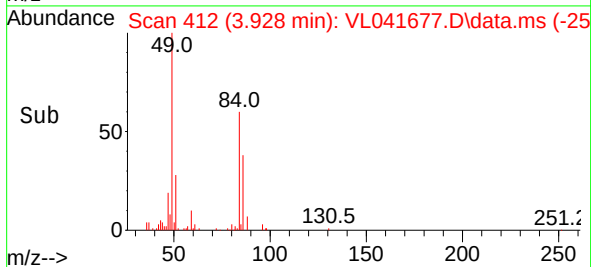
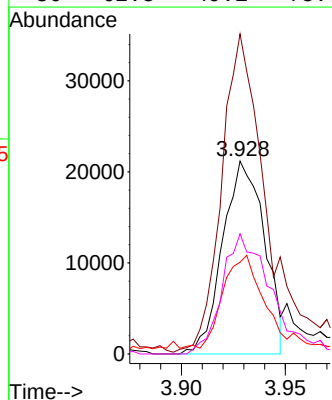
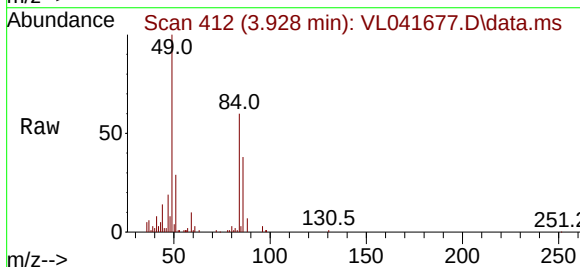
Ion Ratio Lower Upper

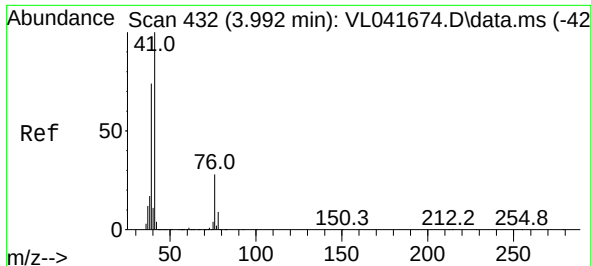
84 100

49 163.5 129.7 194.5

51 42.1 39.8 59.6

86 62.3 49.1 73.7

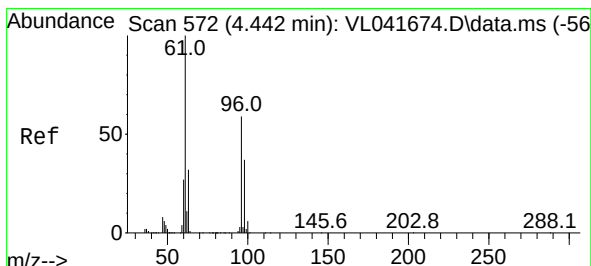
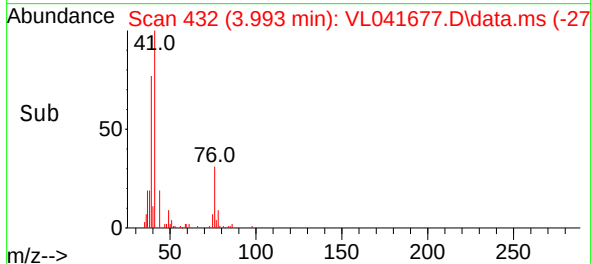
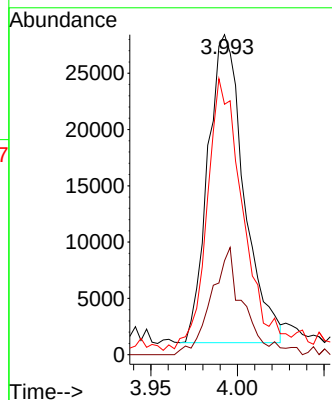
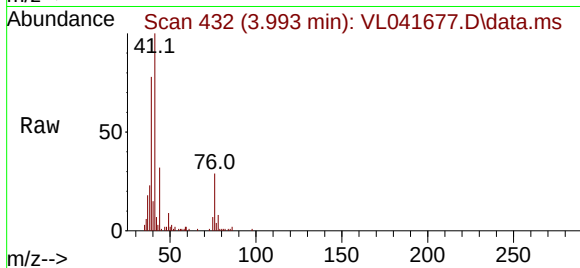




#21
 Allyl Chloride
 Concen: 0.453 ppbv
 RT: 3.993 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL041677.D
 Acq: 7 Nov 2024 12:13

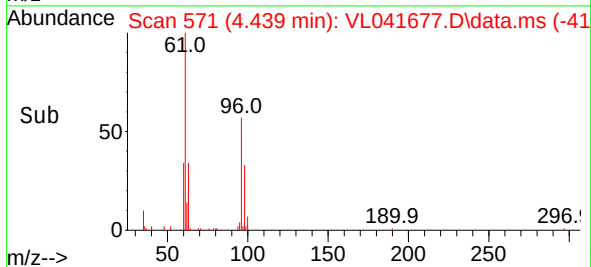
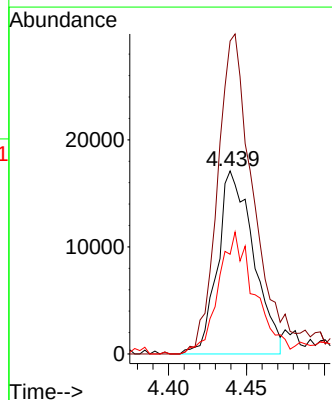
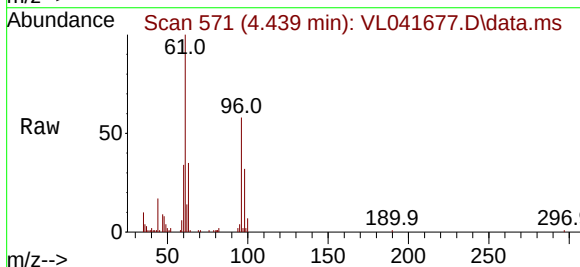
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

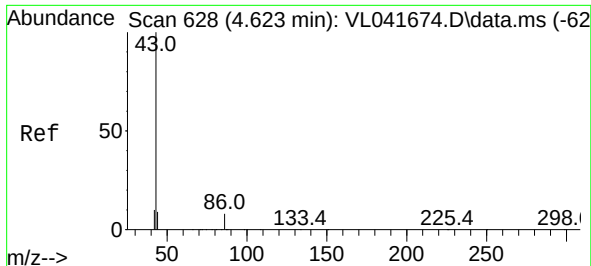
Tgt Ion:	41	Resp:	39722
Ion	Ratio	Lower	Upper
41	100		
76	32.6	23.5	35.3
39	93.7	63.0	94.4



#22
 trans-1,2-Dichloroethene
 Concen: 0.474 ppbv
 RT: 4.439 min Scan# 571
 Delta R.T. -0.003 min
 Lab File: VL041677.D
 Acq: 7 Nov 2024 12:13

Tgt Ion:	96	Resp:	27393
Ion	Ratio	Lower	Upper
96	100		
61	171.0	134.5	201.7
98	54.4	49.6	74.4

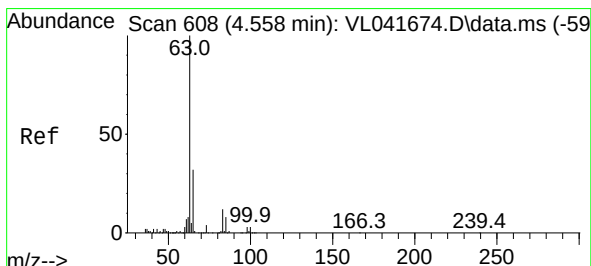
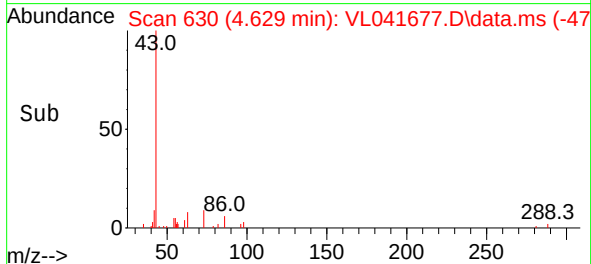
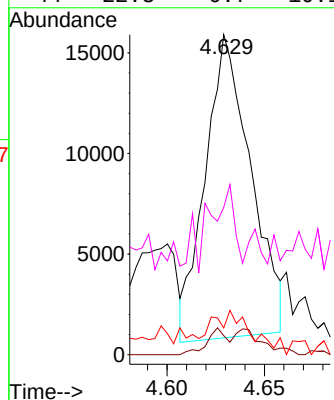
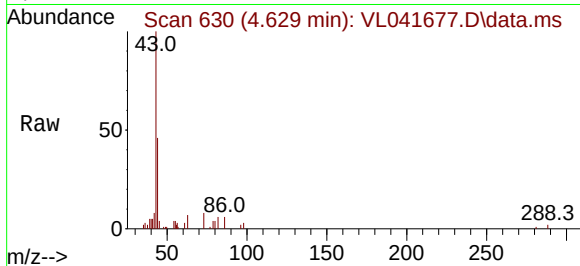




#23
 Vinyl Acetate
 Concen: 0.367 ppbv
 RT: 4.629 min Scan# 61
 Delta R.T. 0.007 min
 Lab File: VL041677.D
 Acq: 7 Nov 2024 12:13

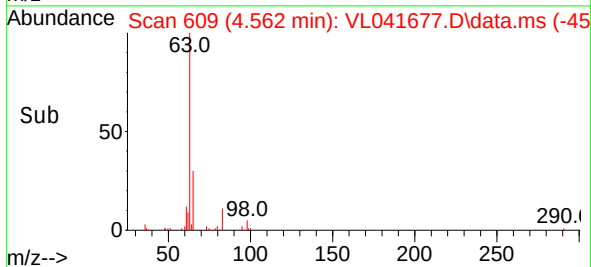
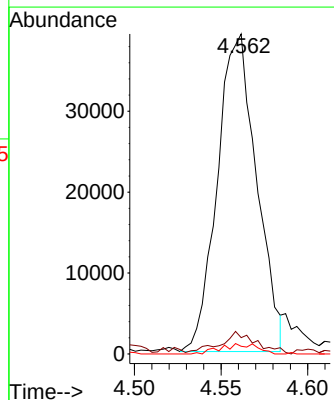
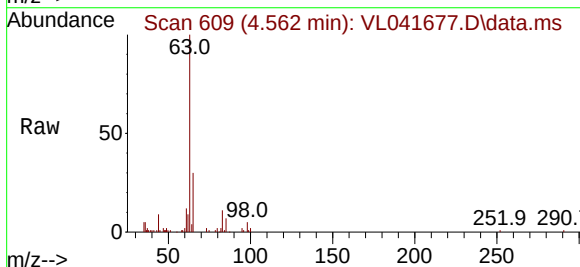
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

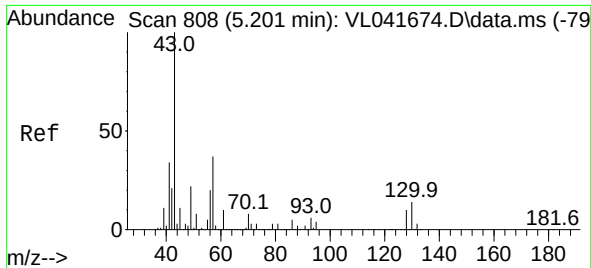
Tgt Ion:	43	Resp:	24529
Ion	Ratio	Lower	Upper
43	100		
86	7.2	5.3	7.9
42	3.7	8.5	12.7#
44	22.3	6.7	10.1#



#24
 1,1-Dichloroethane
 Concen: 0.482 ppbv
 RT: 4.562 min Scan# 609
 Delta R.T. 0.003 min
 Lab File: VL041677.D
 Acq: 7 Nov 2024 12:13

Tgt Ion:	63	Resp:	61980
Ion	Ratio	Lower	Upper
63	100		
98	3.8	1.8	5.4
100	2.4	1.4	4.2

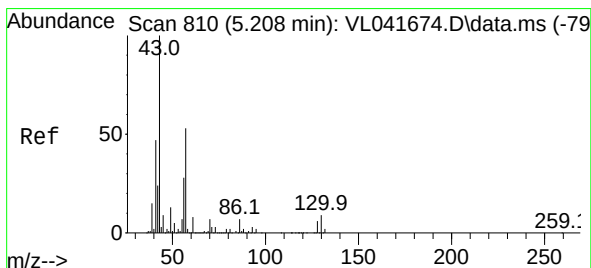
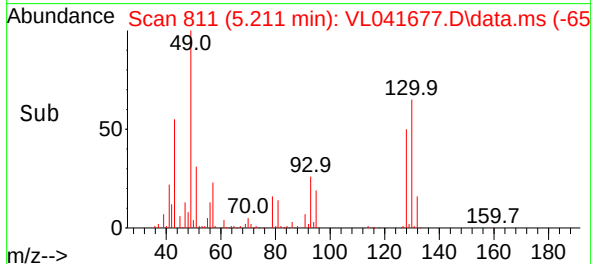
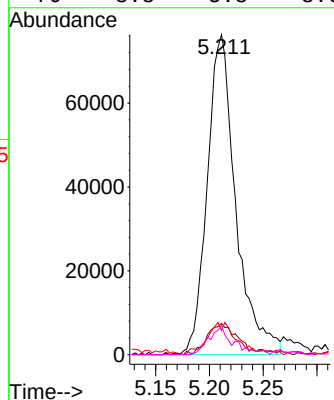
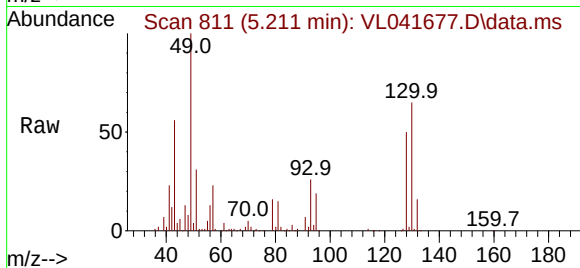




#25
Ethyl Acetate
Concen: 0.479 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.010 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13

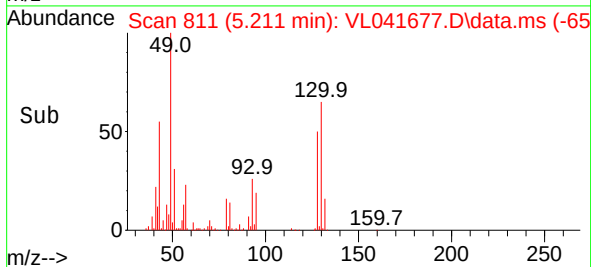
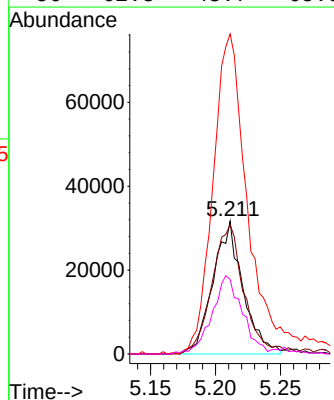
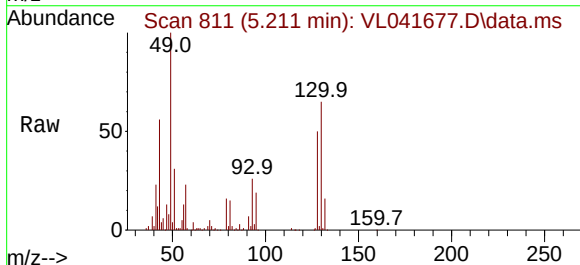
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

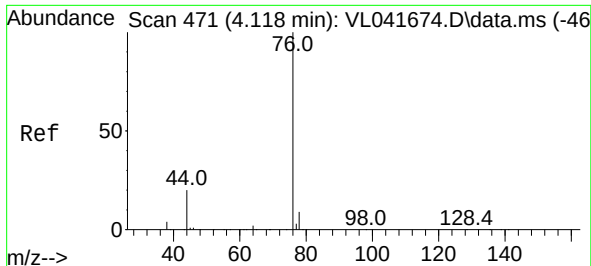
Tgt Ion: 43 Resp: 140929
Ion Ratio Lower Upper
43 100
45 11.0 8.6 13.0
61 11.3 8.4 12.6
70 8.8 5.8 8.6#



#26
Hexane
Concen: 0.450 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.003 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13

Tgt Ion: 57 Resp: 50843
Ion Ratio Lower Upper
57 100
41 107.1 76.1 114.1
43 299.6 207.0 310.6
56 62.3 43.7 65.5





#27

Carbon Disulfide

Concen: 0.416 ppbv

RT: 4.121 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041677.D

Acq: 7 Nov 2024 12:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

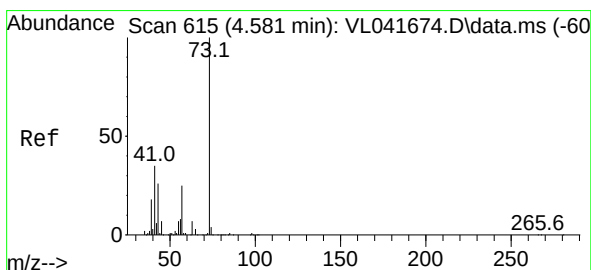
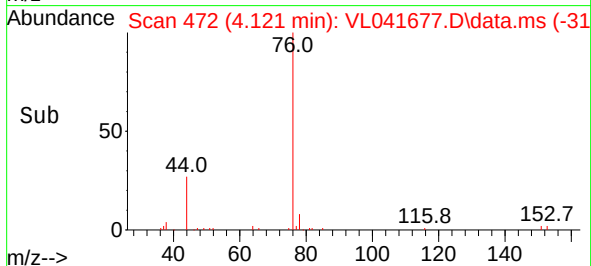
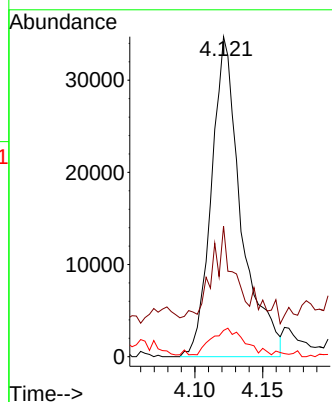
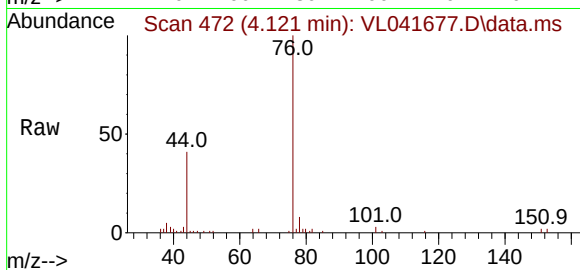
Tgt Ion: 76 Resp: 52791

Ion Ratio Lower Upper

76 100

44 27.8 15.8 23.8#

78 11.9 7.5 11.3#



#28

Methyl tert-Butyl Ether

Concen: 0.469 ppbv

RT: 4.594 min Scan# 619

Delta R.T. 0.013 min

Lab File: VL041677.D

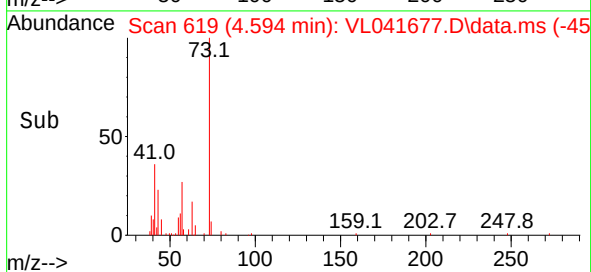
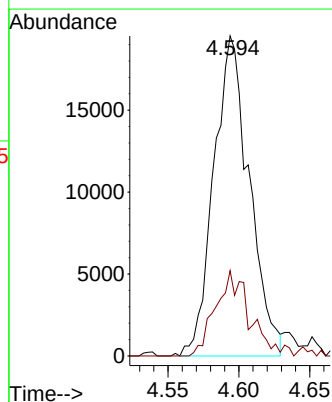
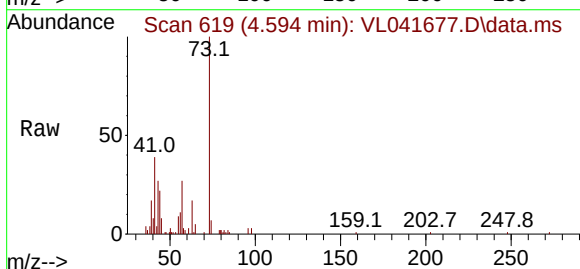
Acq: 7 Nov 2024 12:13

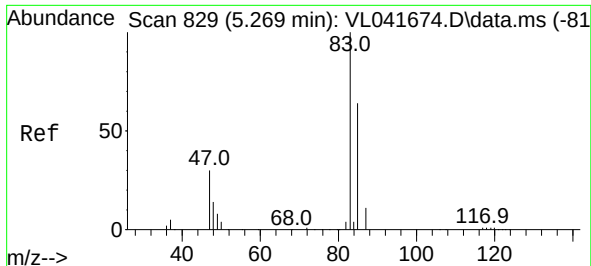
Tgt Ion: 73 Resp: 34128

Ion Ratio Lower Upper

73 100

57 26.6 19.6 29.4





#29

Chloroform

Concen: 0.530 ppbv

RT: 5.266 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL041677.D

Acq: 7 Nov 2024 12:13

Instrument :

MSVOA_L

ClientSampleId :

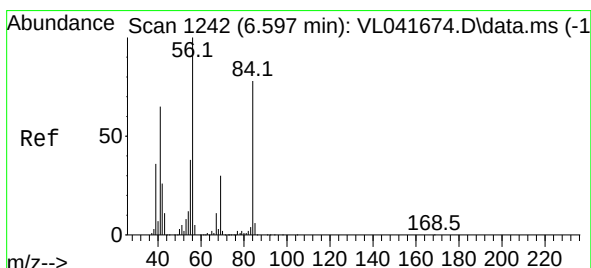
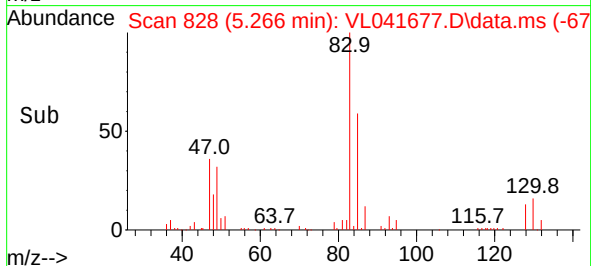
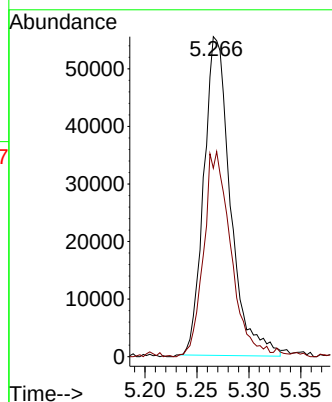
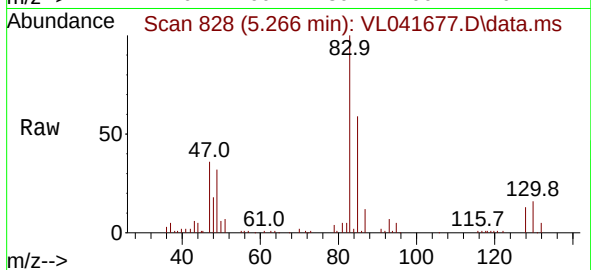
VSTDICC0.5

Tgt Ion: 83 Resp: 98787

Ion Ratio Lower Upper

83 100

85 58.5 51.1 76.7



#30

Cyclohexane

Concen: 0.365 ppbv

RT: 6.600 min Scan# 1243

Delta R.T. 0.003 min

Lab File: VL041677.D

Acq: 7 Nov 2024 12:13

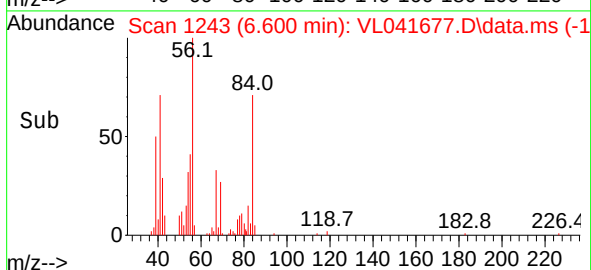
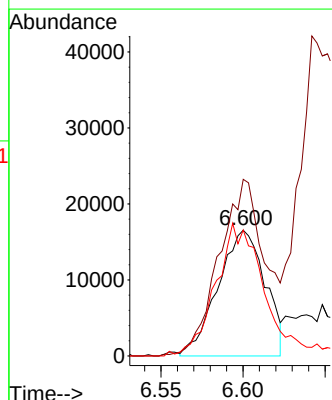
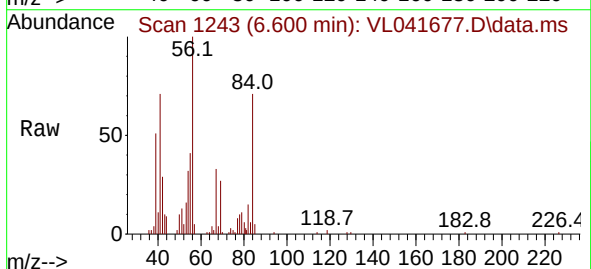
Tgt Ion: 84 Resp: 33080

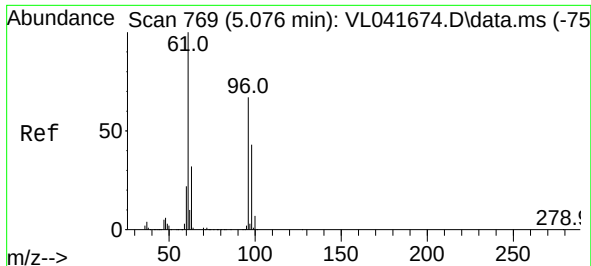
Ion Ratio Lower Upper

84 100

56 130.7 110.8 166.2

41 112.9 70.0 105.0#





#31

cis-1,2-Dichloroethene

Concen: 0.464 ppbv

RT: 5.076 min Scan# 769

Delta R.T. 0.000 min

Lab File: VL041677.D

Acq: 7 Nov 2024 12:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

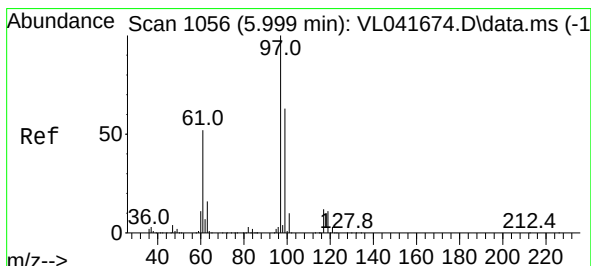
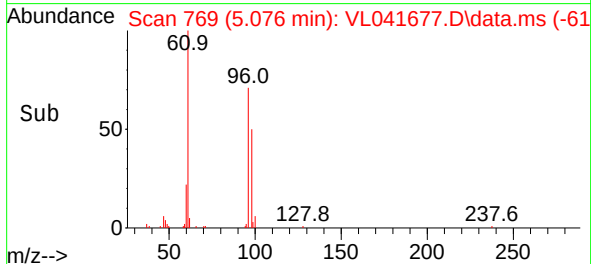
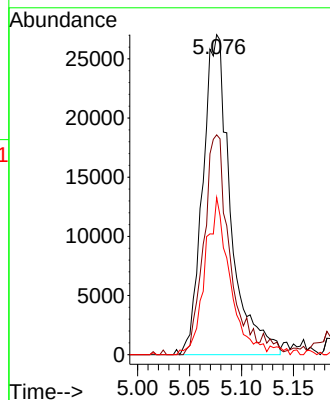
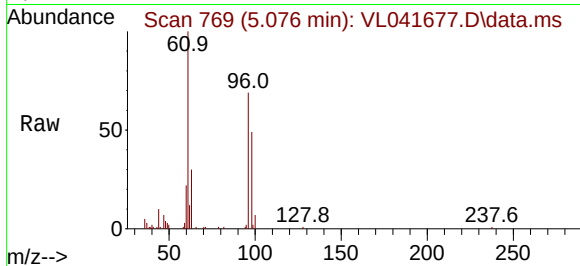
Tgt Ion: 61 Resp: 50385

Ion Ratio Lower Upper

61 100

96 68.7 53.4 80.2

98 50.1 34.0 51.0



#32

1,1,1-Trichloroethane

Concen: 0.496 ppbv

RT: 5.999 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VL041677.D

Acq: 7 Nov 2024 12:13

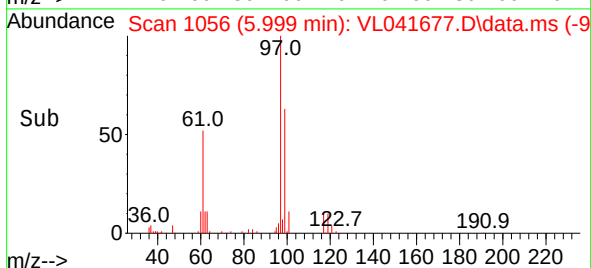
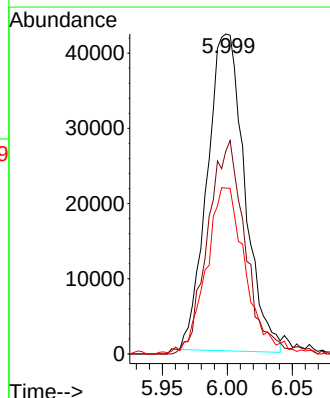
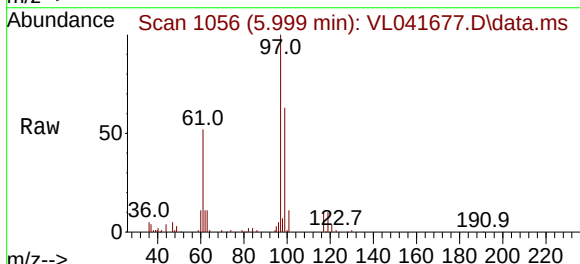
Tgt Ion: 97 Resp: 84699

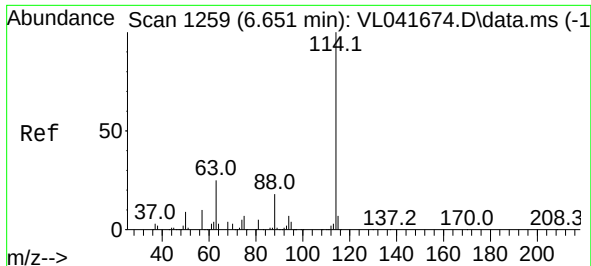
Ion Ratio Lower Upper

97 100

99 67.6 51.4 77.2

61 55.5 41.7 62.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.648 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL041677.D

Acq: 7 Nov 2024 12:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

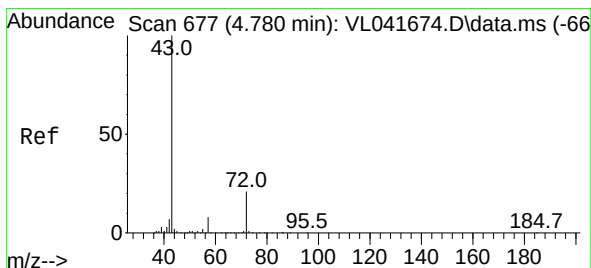
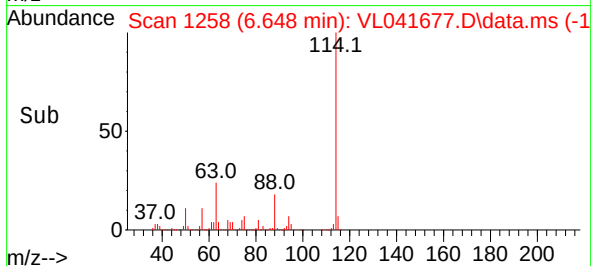
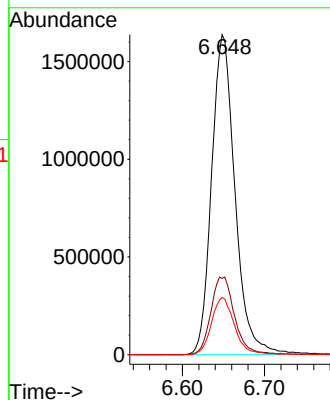
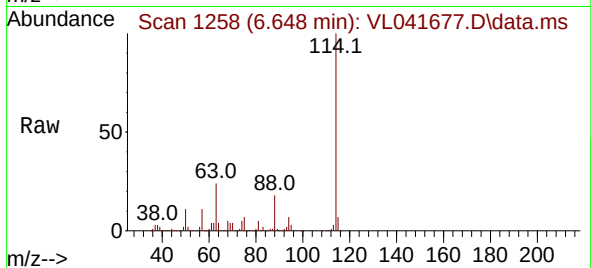
Tgt Ion:114 Resp: 3232256

Ion Ratio Lower Upper

114 100

63 25.2 20.3 30.5

88 17.8 14.2 21.4



#34

2-Butanone

Concen: 0.490 ppbv

RT: 4.796 min Scan# 682

Delta R.T. 0.016 min

Lab File: VL041677.D

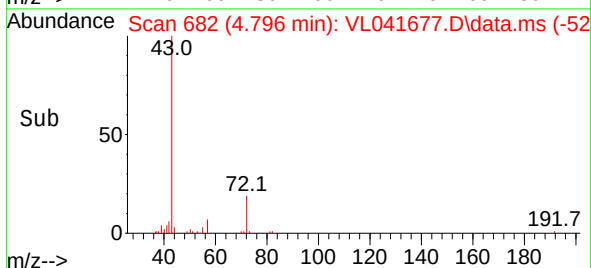
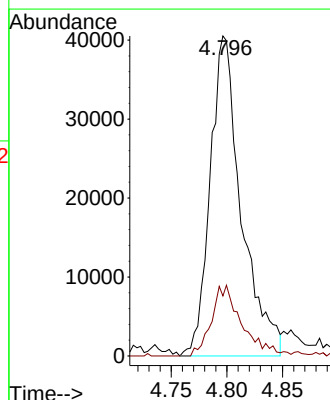
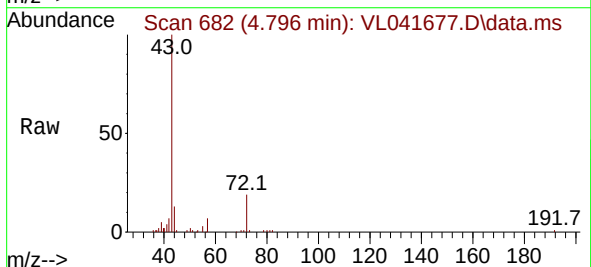
Acq: 7 Nov 2024 12:13

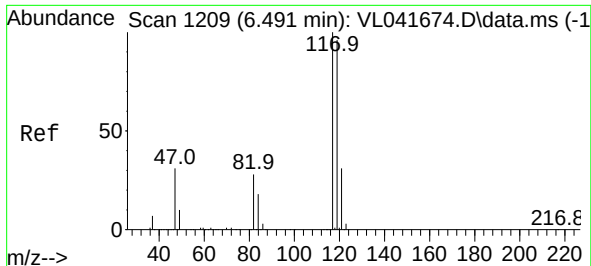
Tgt Ion: 43 Resp: 78940

Ion Ratio Lower Upper

43 100

72 22.1 17.4 26.0

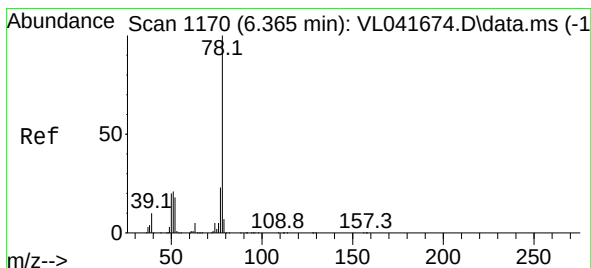
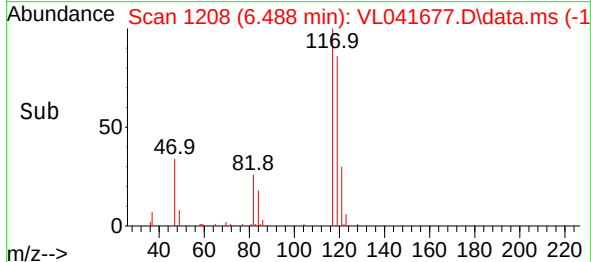
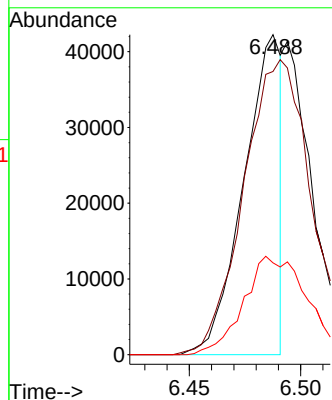
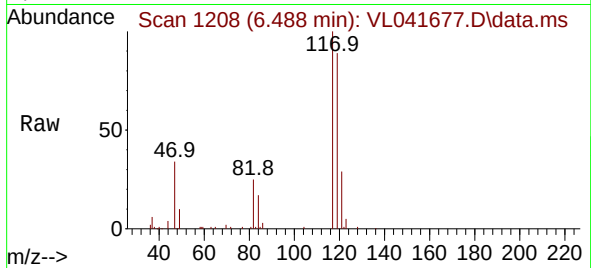




#35
Carbon Tetrachloride
Concen: 0.291 ppbv
RT: 6.488 min Scan# 1169
Delta R.T. -0.003 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13

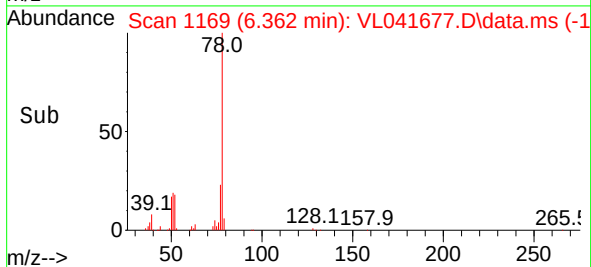
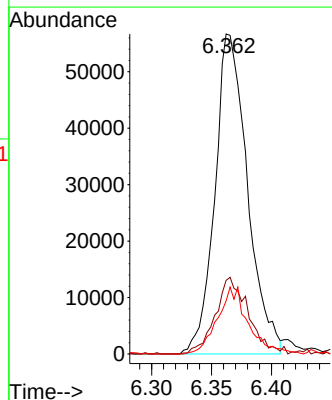
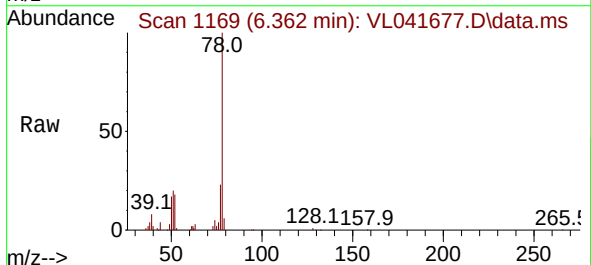
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

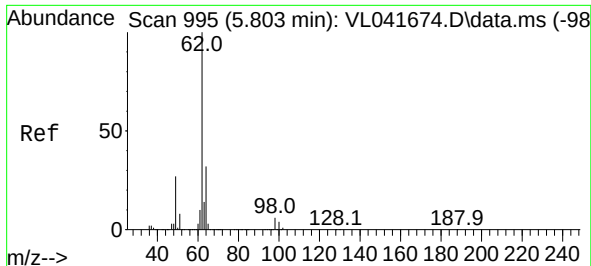
Tgt Ion:117 Resp: 49670
Ion Ratio Lower Upper
117 100
119 87.9 77.2 115.8
121 28.7 25.0 37.4



#36
Benzene
Concen: 0.447 ppbv
RT: 6.362 min Scan# 1169
Delta R.T. -0.003 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13

Tgt Ion: 78 Resp: 107078
Ion Ratio Lower Upper
78 100
77 23.1 18.5 27.7
50 16.7 15.6 23.4





#37

1,2-Dichloroethane

Concen: 0.474 ppbv

RT: 5.803 min Scan# 995

Delta R.T. 0.000 min

Lab File: VL041677.D

Acq: 7 Nov 2024 12:13

Instrument :

MSVOA_L

ClientSampleId :

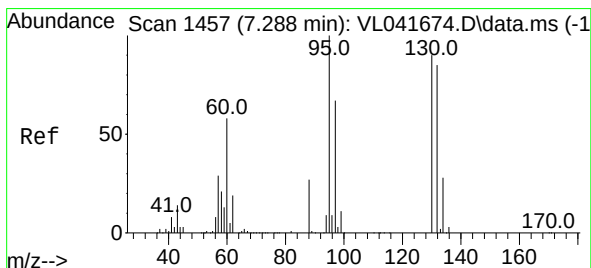
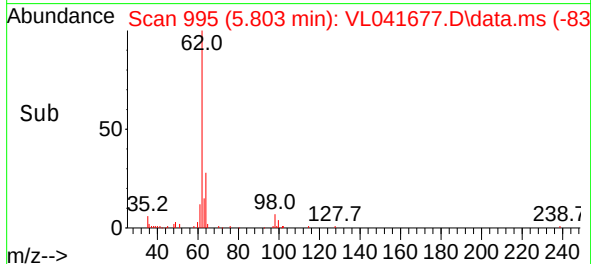
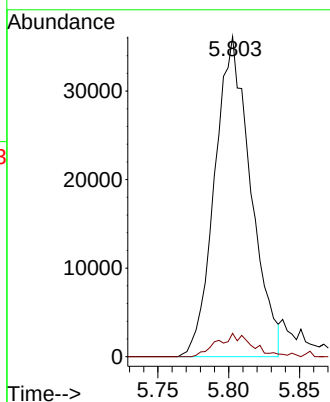
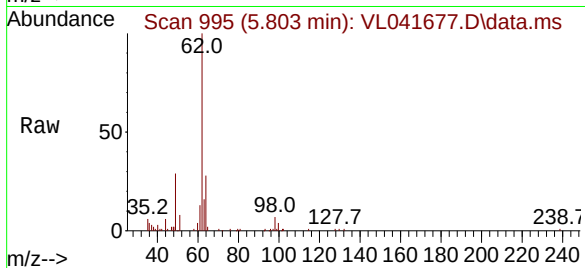
VSTDICC0.5

Tgt Ion: 62 Resp: 64024

Ion Ratio Lower Upper

62 100

98 7.5 5.2 7.8



#38

Trichloroethene

Concen: 0.461 ppbv

RT: 7.291 min Scan# 1458

Delta R.T. 0.003 min

Lab File: VL041677.D

Acq: 7 Nov 2024 12:13

Tgt Ion:130 Resp: 42598

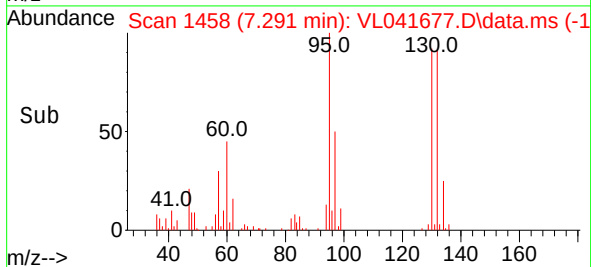
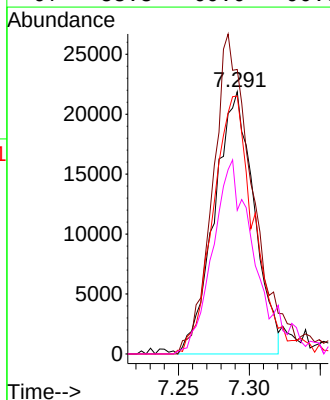
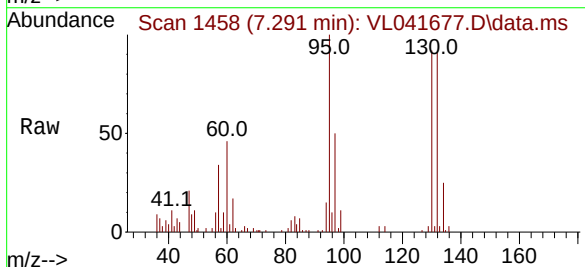
Ion Ratio Lower Upper

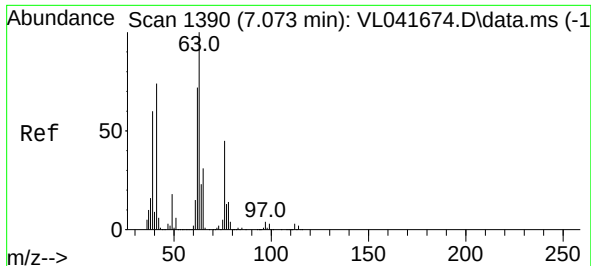
130 100

95 108.5 89.1 133.7

132 100.1 75.7 113.5

97 53.8 60.0 90.0#





#39

1,2-Dichloropropane

Concen: 0.475 ppbv

RT: 7.070 min Scan# 1389

Delta R.T. -0.003 min

Lab File: VL041677.D

Acq: 7 Nov 2024 12:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

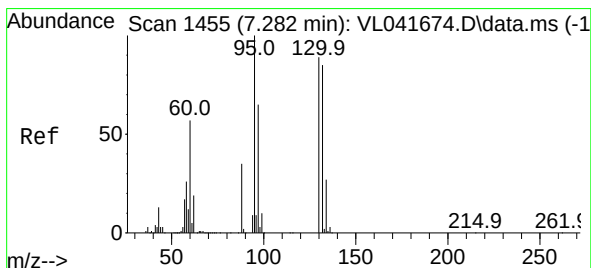
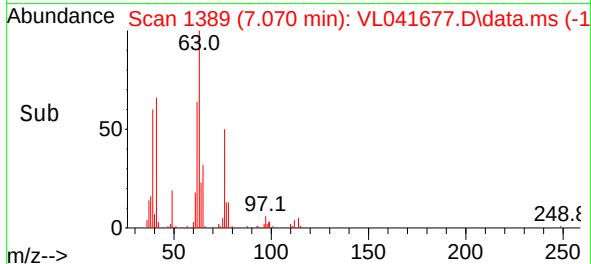
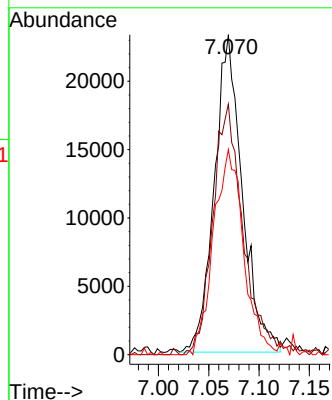
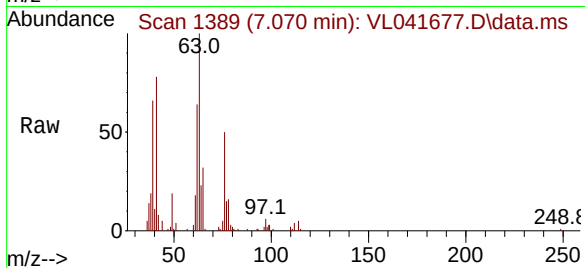
Tgt Ion: 63 Resp: 44946

Ion Ratio Lower Upper

63 100

41 78.9 59.1 88.7

62 64.6 57.7 86.5



#40

1,4-Dioxane

Concen: 0.004 ppbv

RT: 7.291 min Scan# 1458

Delta R.T. 0.010 min

Lab File: VL041677.D

Acq: 7 Nov 2024 12:13

Tgt Ion: 88 Resp: 145

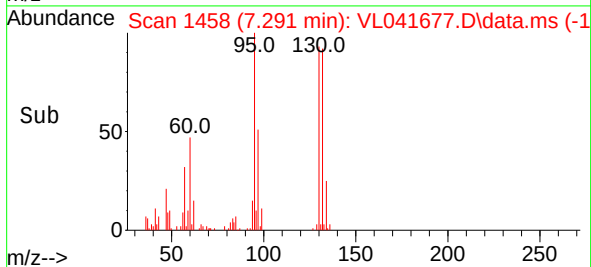
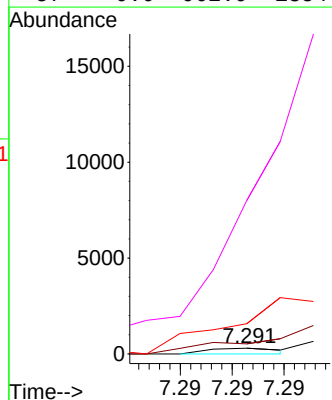
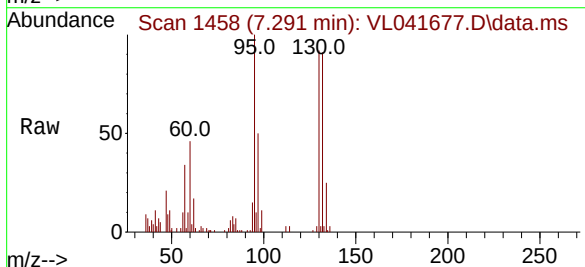
Ion Ratio Lower Upper

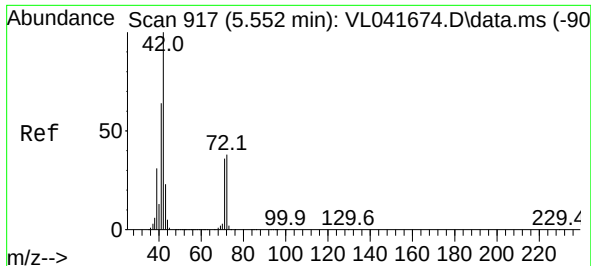
88 100

58 0.0 101.4 152.2#

43 0.0 208.0 312.0#

57 0.0 902.9 1354.3#





#41

Tetrahydrofuran

Concen: 0.198 ppbv

RT: 5.574 min Scan# 917

Delta R.T. 0.023 min

Lab File: VL041677.D

Acq: 7 Nov 2024 12:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

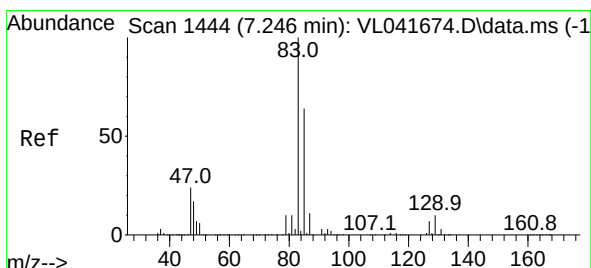
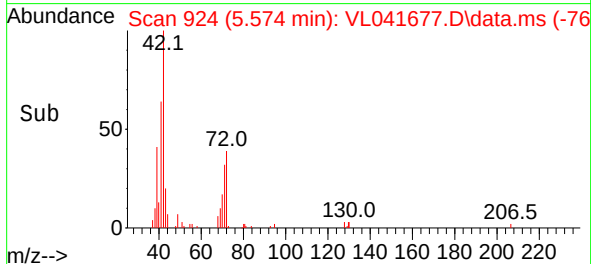
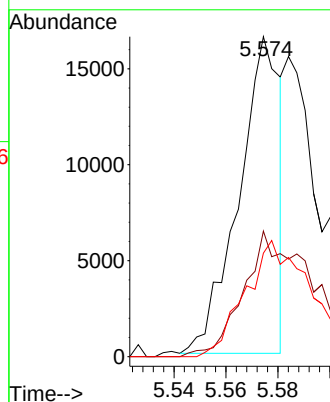
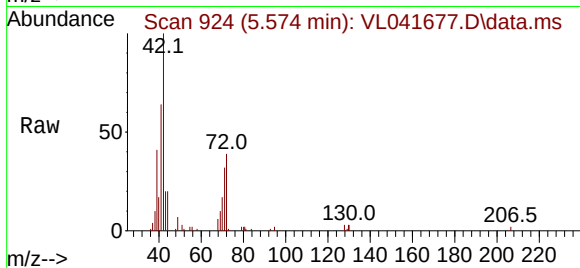
Tgt Ion: 42 Resp: 18151

Ion Ratio Lower Upper

42 100

72 72.7 29.8 44.6#

71 70.0 29.4 44.2#



#42

Bromodichloromethane

Concen: 0.459 ppbv

RT: 7.246 min Scan# 1444

Delta R.T. 0.000 min

Lab File: VL041677.D

Acq: 7 Nov 2024 12:13

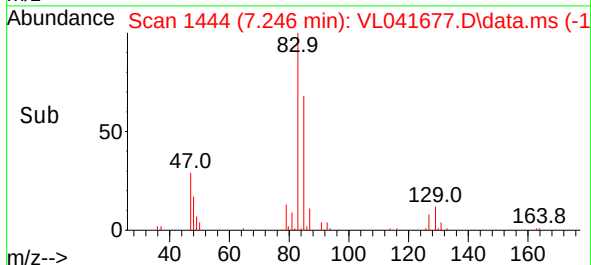
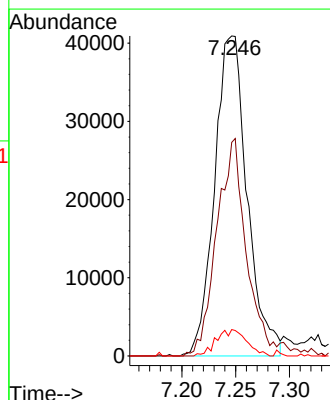
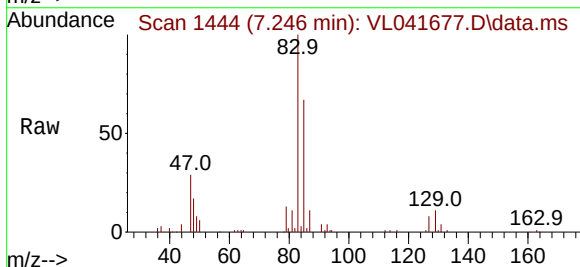
Tgt Ion: 83 Resp: 86164

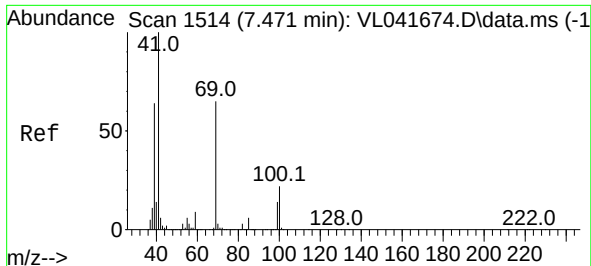
Ion Ratio Lower Upper

83 100

85 66.7 51.2 76.8

127 8.3 6.0 9.0





#43

Methyl Methacrylate

Concen: 0.356 ppbv

RT: 7.475 min Scan# 1515

Delta R.T. 0.003 min

Lab File: VL041677.D

Acq: 7 Nov 2024 12:13

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

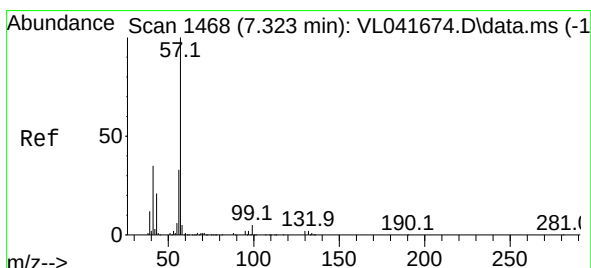
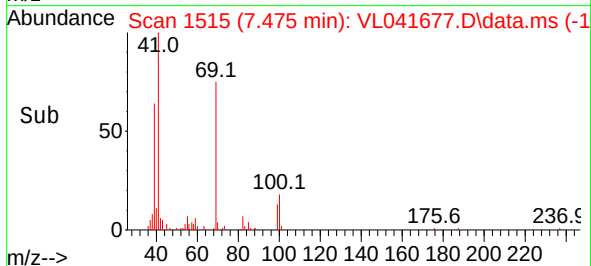
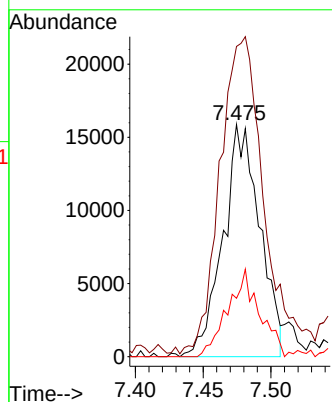
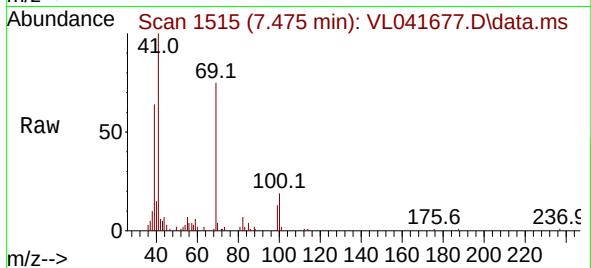
Tgt Ion: 69 Resp: 29969

Ion Ratio Lower Upper

69 100

41 166.5 119.8 179.6

100 33.3 27.3 40.9



#44

2,2,4-Trimethylpentane

Concen: 0.433 ppbv

RT: 7.327 min Scan# 1469

Delta R.T. 0.003 min

Lab File: VL041677.D

Acq: 7 Nov 2024 12:13

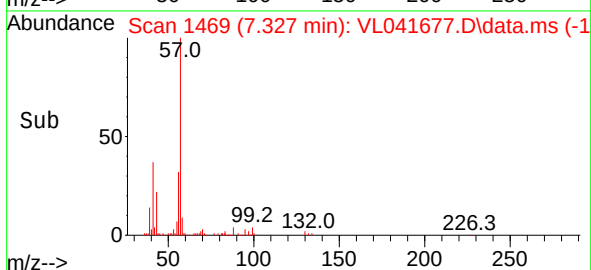
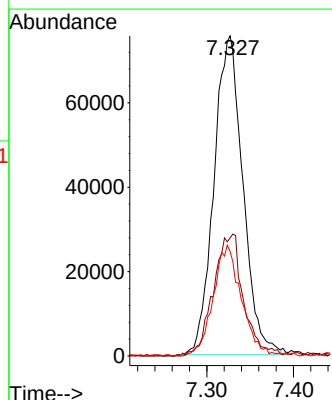
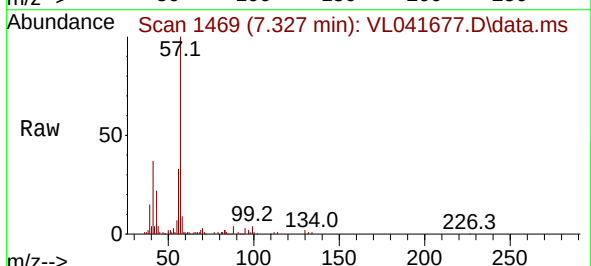
Tgt Ion: 57 Resp: 175510

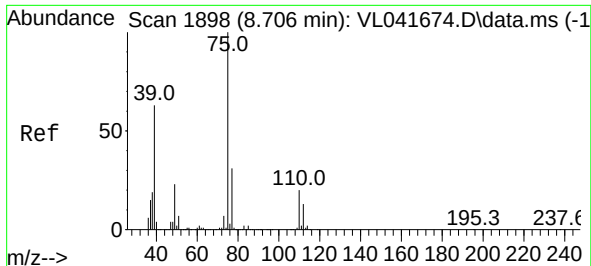
Ion Ratio Lower Upper

57 100

41 39.8 27.0 40.6

56 34.3 25.8 38.6





#45

t-1,3-Dichloropropene

Concen: 0.296 ppbv

RT: 8.709 min Scan# 1899

Delta R.T. 0.003 min

Lab File: VL041677.D

Acq: 7 Nov 2024 12:13

Instrument :

MSVOA_L

ClientSampleId :

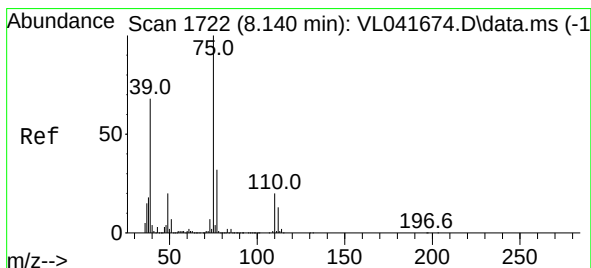
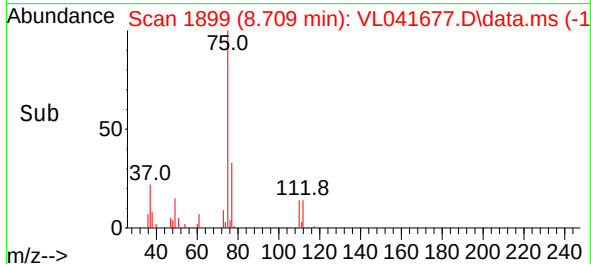
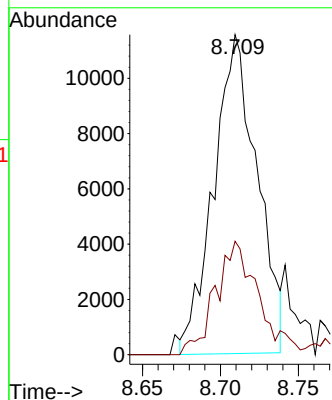
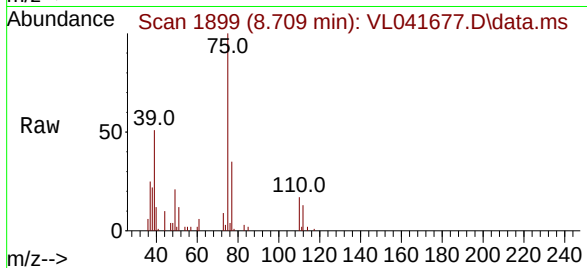
VSTDICC0.5

Tgt Ion: 75 Resp: 22287

Ion Ratio Lower Upper

75 100

77 35.4 24.7 37.1



#46

cis-1,3-Dichloropropene

Concen: 0.308 ppbv

RT: 8.143 min Scan# 1723

Delta R.T. 0.003 min

Lab File: VL041677.D

Acq: 7 Nov 2024 12:13

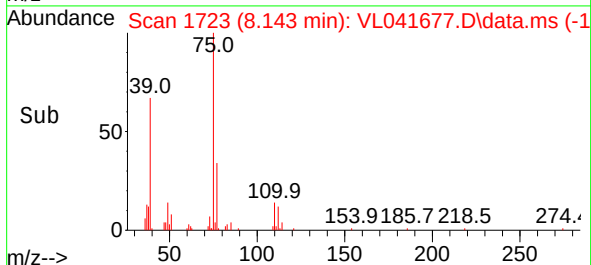
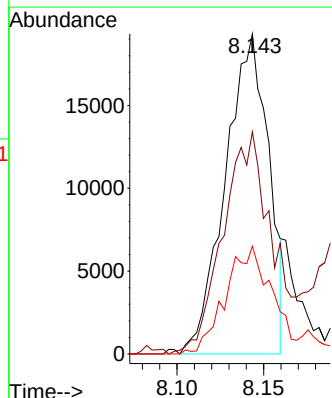
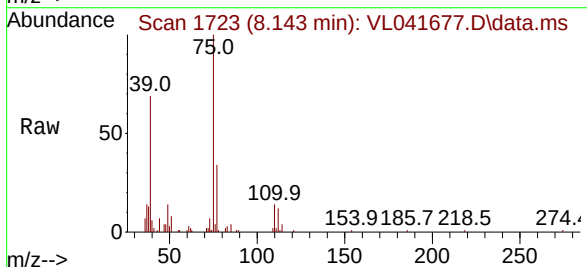
Tgt Ion: 75 Resp: 33612

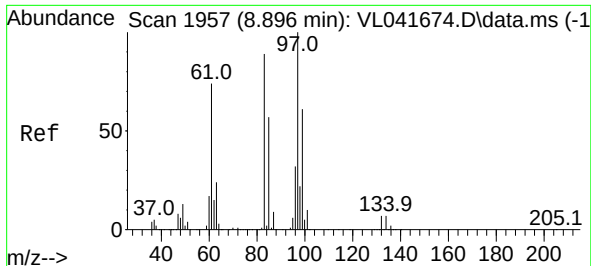
Ion Ratio Lower Upper

75 100

39 68.2 54.1 81.1

77 33.7 25.3 37.9





#47

1,1,2-Trichloroethane

Concen: 0.299 ppbv

RT: 8.889 min Scan# 1955

Delta R.T. -0.006 min

Lab File: VL041677.D

Acq: 7 Nov 2024 12:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 97 Resp: 30507

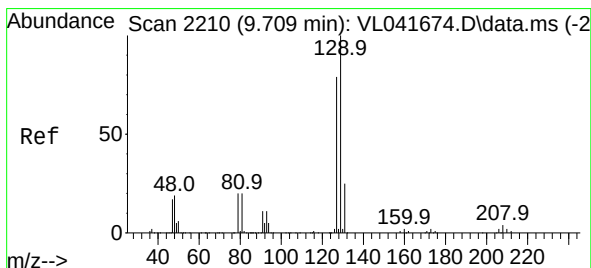
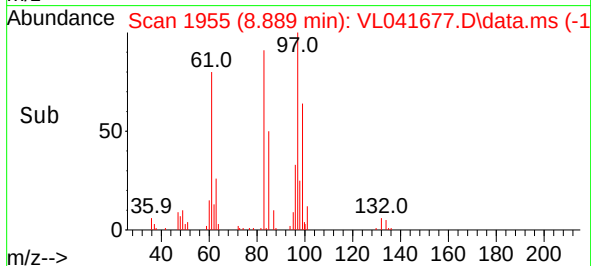
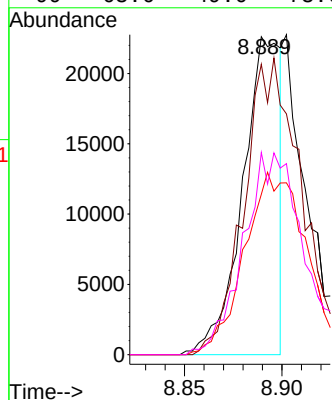
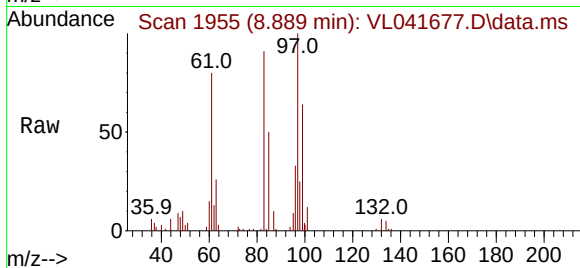
Ion Ratio Lower Upper

97 100

83 91.3 71.0 106.6

85 50.4 45.4 68.2

99 63.6 49.0 73.6



#48

Dibromochloromethane

Concen: 0.411 ppbv

RT: 9.709 min Scan# 2210

Delta R.T. 0.000 min

Lab File: VL041677.D

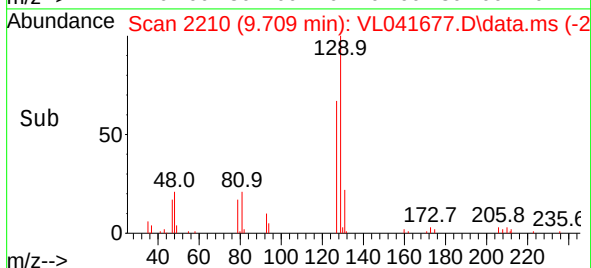
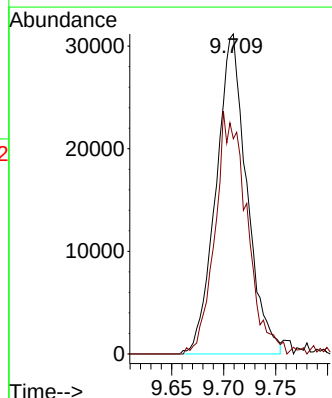
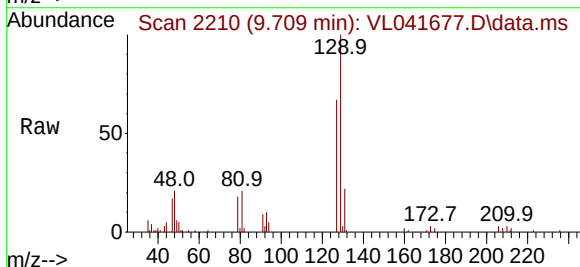
Acq: 7 Nov 2024 12:13

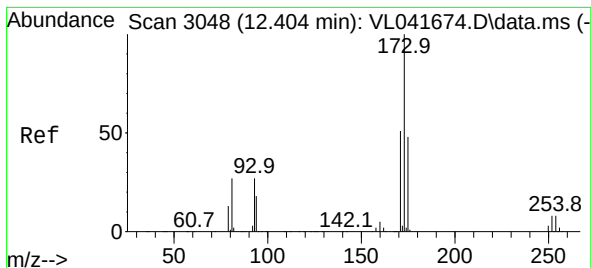
Tgt Ion: 129 Resp: 64053

Ion Ratio Lower Upper

129 100

127 79.0 39.1 117.2





#49

Bromoform

Concen: 0.214 ppbv

RT: 12.401 min Scan# 3048

Delta R.T. -0.003 min

Lab File: VL041677.D

Acq: 7 Nov 2024 12:13

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

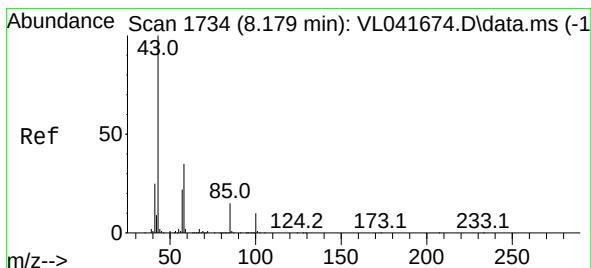
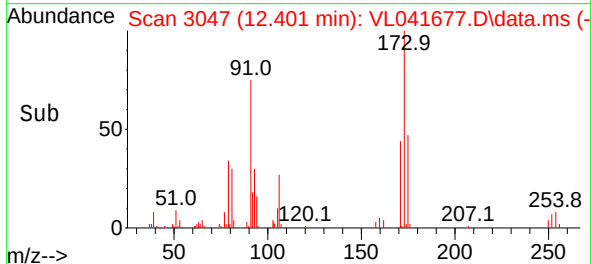
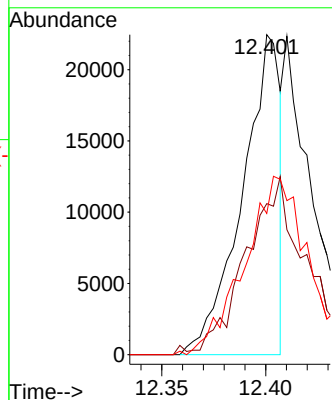
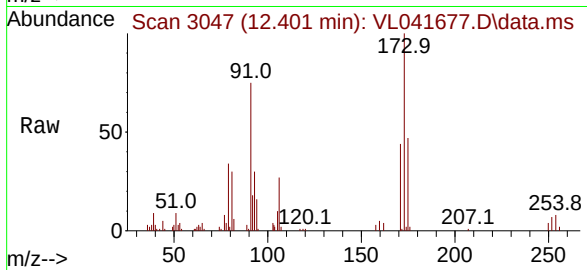
Tgt Ion:173 Resp: 28465

Ion Ratio Lower Upper

173 100

175 0.0 39.2 58.8#

171 0.0 41.7 62.5#



#50

4-Methyl-2-Pentanone

Concen: 0.368 ppbv

RT: 8.198 min Scan# 1740

Delta R.T. 0.019 min

Lab File: VL041677.D

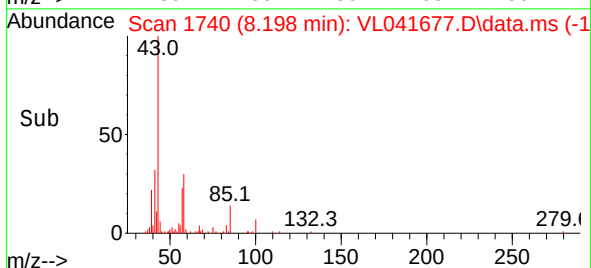
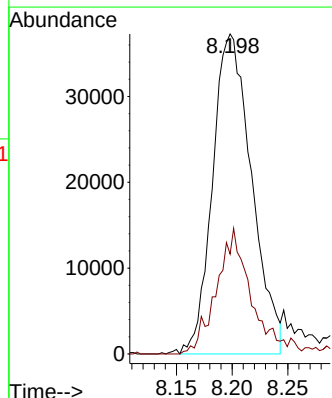
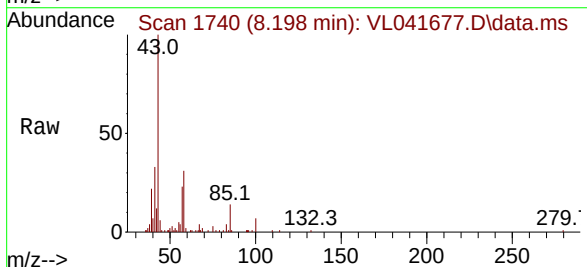
Acq: 7 Nov 2024 12:13

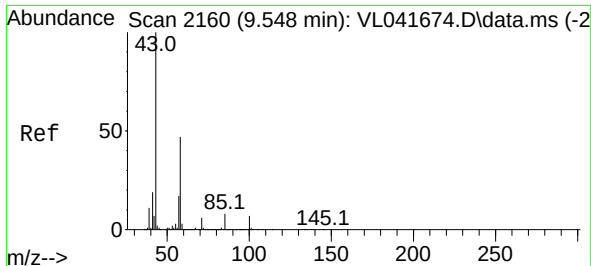
Tgt Ion: 43 Resp: 90923

Ion Ratio Lower Upper

43 100

58 35.7 27.7 41.5

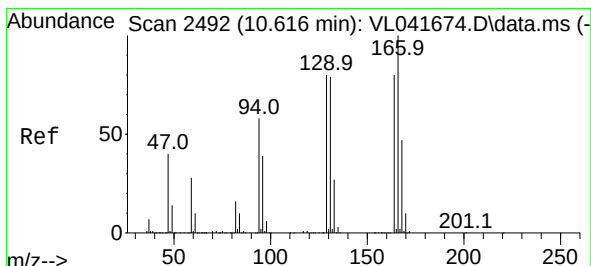
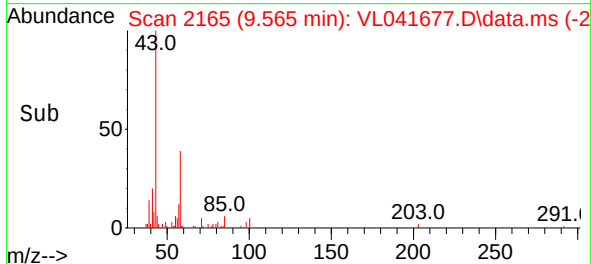
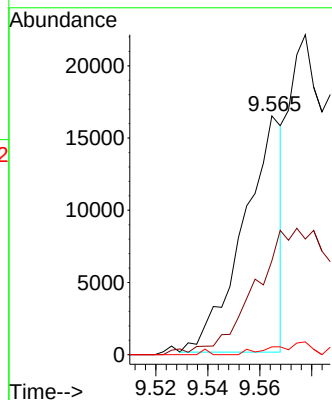
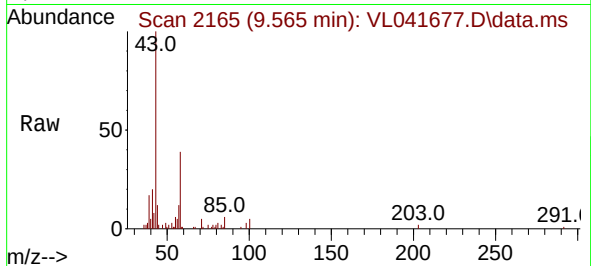




#51
2-Hexanone
Concen: 0.095 ppbv
RT: 9.565 min Scan# 2165
Delta R.T. 0.016 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13

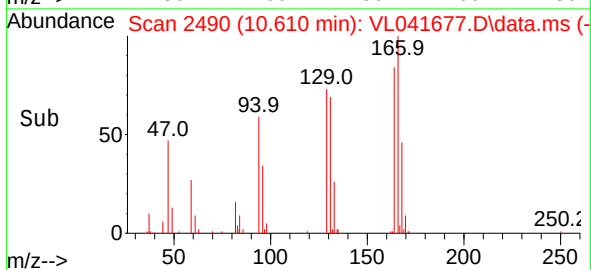
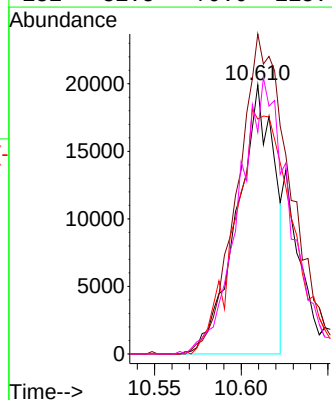
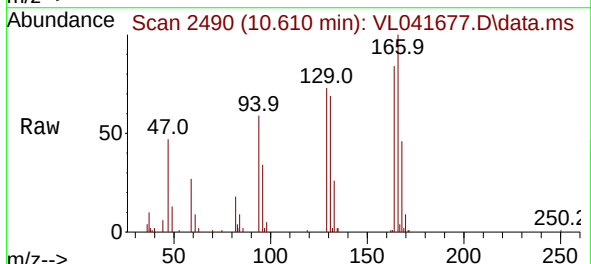
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

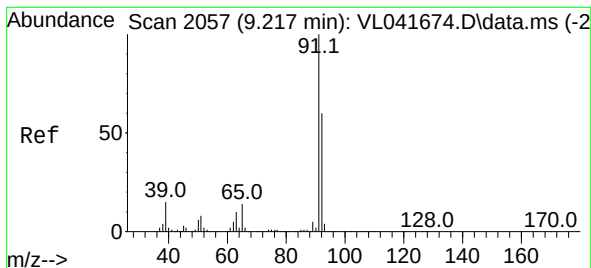
Tgt Ion: 43 Resp: 16978
Ion Ratio Lower Upper
43 100
58 0.0 37.0 55.6#
98 0.0 0.6 0.8#



#52
Tetrachloroethene
Concen: 0.365 ppbv
RT: 10.610 min Scan# 2490
Delta R.T. -0.006 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13

Tgt Ion: 164 Resp: 29917
Ion Ratio Lower Upper
164 100
166 118.9 100.2 150.4
129 87.3 79.7 119.5
131 81.5 79.0 118.4





#53

Toluene

Concen: 0.359 ppbv

RT: 9.221 min Scan# 2057

Delta R.T. 0.003 min

Lab File: VL041677.D

Acq: 7 Nov 2024 12:13

Instrument :

MSVOA_1

ClientSampleId :

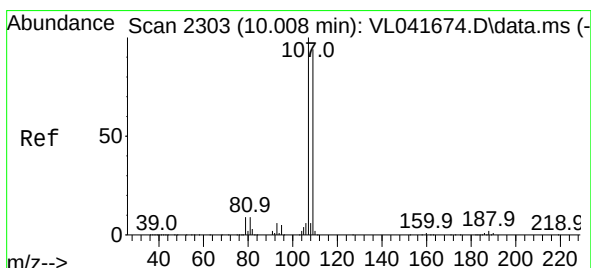
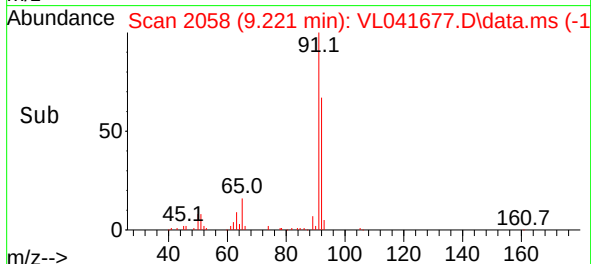
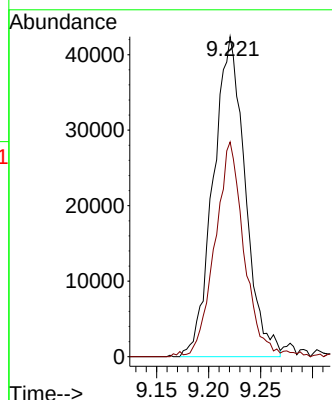
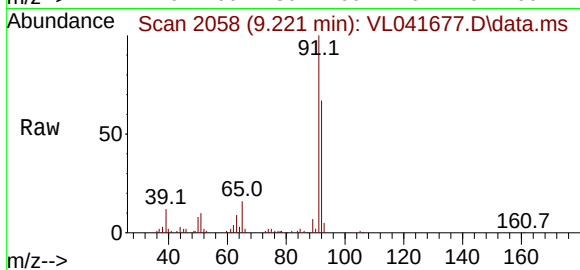
VSTDICC0.5

Tgt Ion: 91 Resp: 90468

Ion Ratio Lower Upper

91 100

92 62.1 49.0 73.4



#54

1,2-Dibromoethane

Concen: 0.214 ppbv

RT: 10.002 min Scan# 2301

Delta R.T. -0.006 min

Lab File: VL041677.D

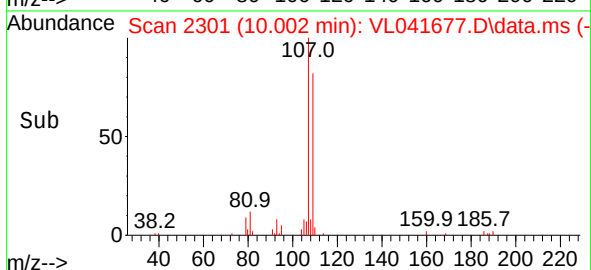
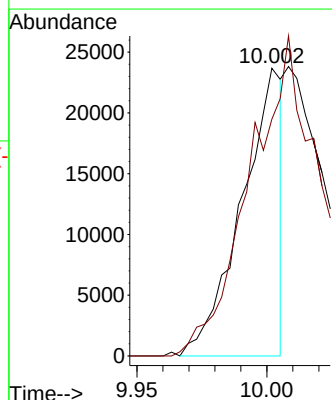
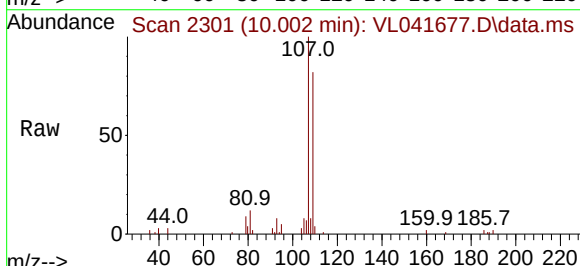
Acq: 7 Nov 2024 12:13

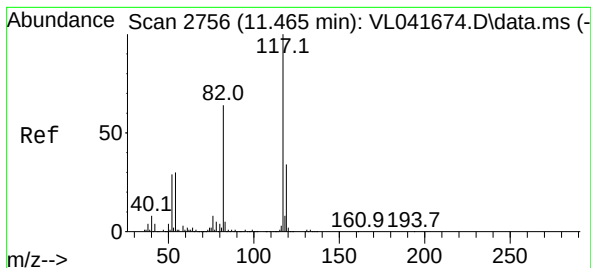
Tgt Ion: 107 Resp: 25474

Ion Ratio Lower Upper

107 100

109 80.9 74.9 112.3

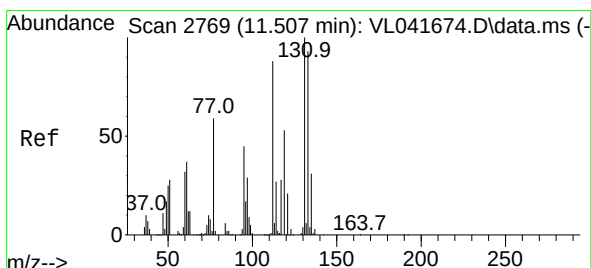
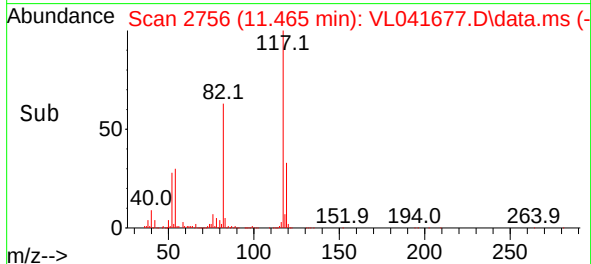
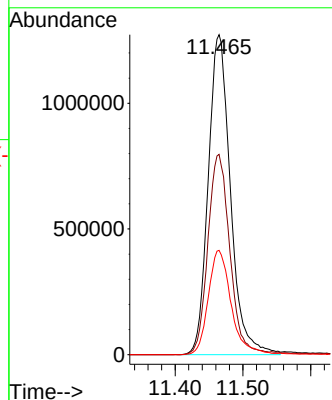
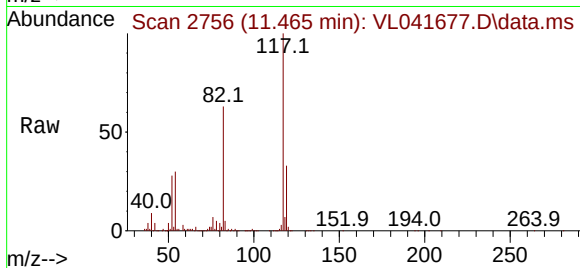




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.465 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13

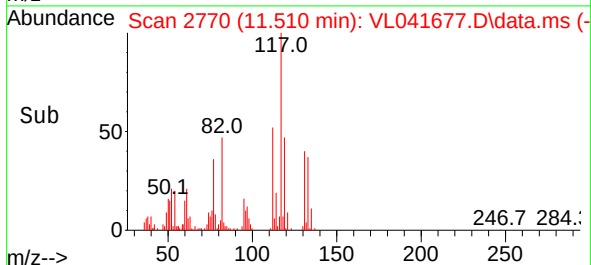
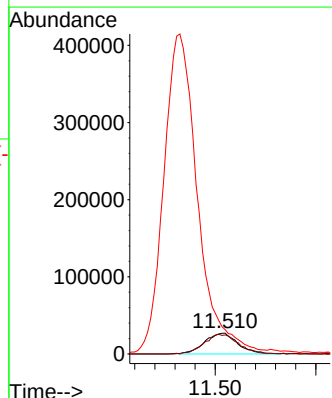
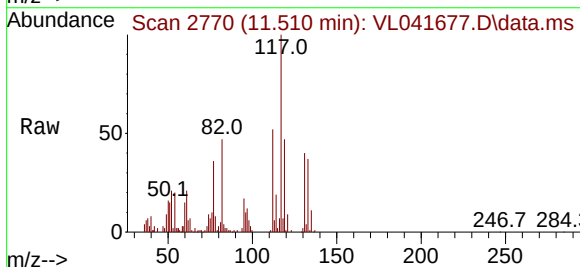
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

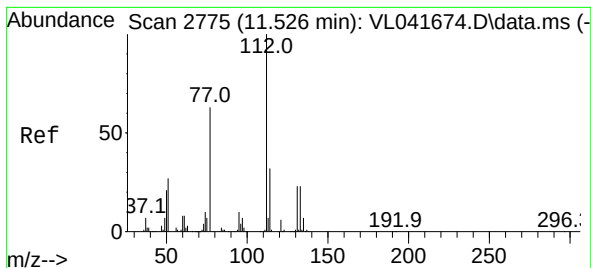
Tgt Ion:117 Resp: 2900644
Ion Ratio Lower Upper
117 100
82 63.2 49.8 74.8
119 33.9 24.2 36.4



#56
1,1,1,2-Tetrachloroethane
Concen: 0.512 ppbv
RT: 11.510 min Scan# 2770
Delta R.T. 0.003 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13

Tgt Ion:131 Resp: 61817
Ion Ratio Lower Upper
131 100
133 97.3 76.5 114.7
119 1592.6 49.8 74.8#

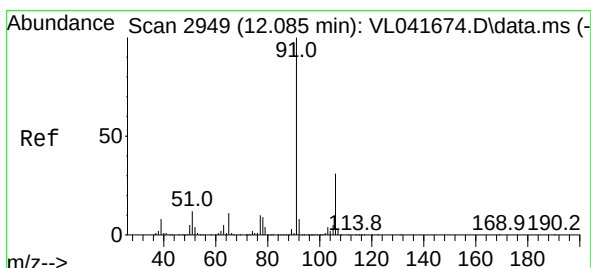
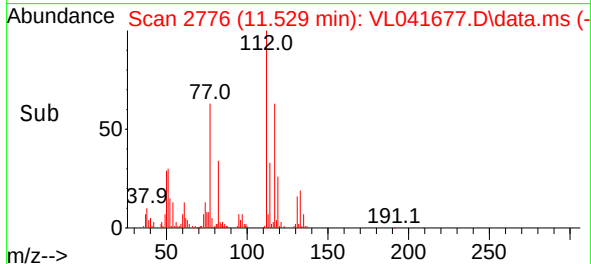
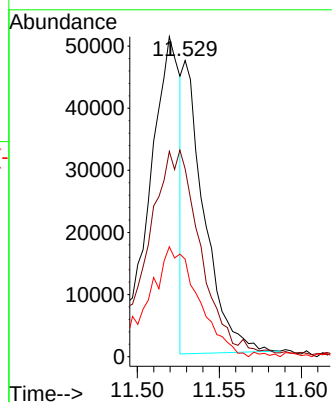
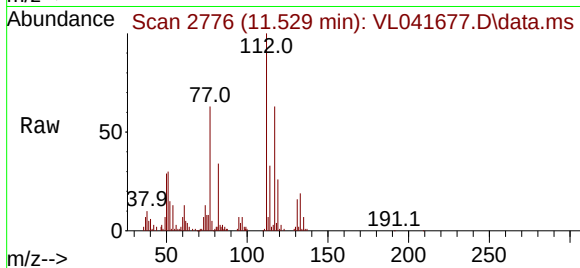




#57
Chlorobenzene
Concen: 0.197 ppbv
RT: 11.529 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13

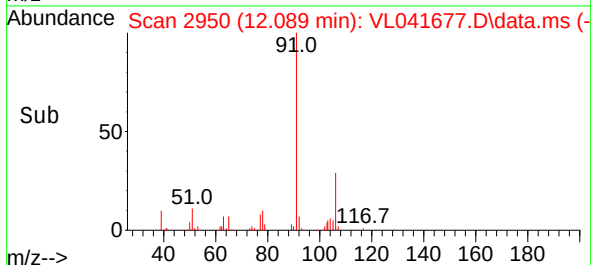
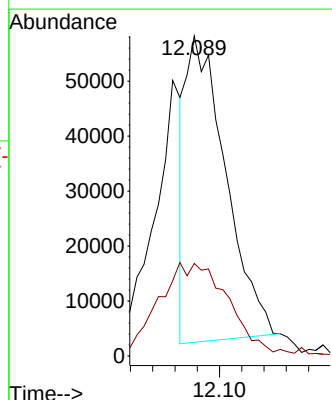
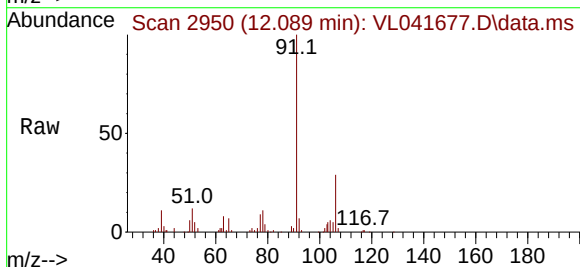
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

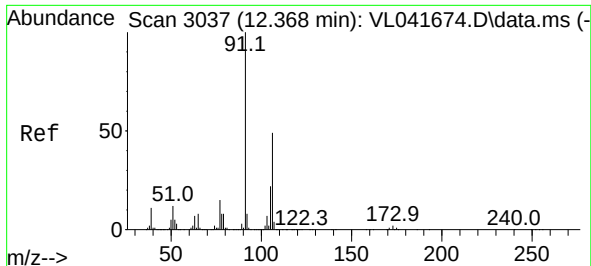
Tgt Ion:112 Resp: 42625
Ion Ratio Lower Upper
112 100
77 63.3 51.4 77.2
114 33.5 28.4 34.8



#58
Ethyl Benzene
Concen: 0.214 ppbv
RT: 12.089 min Scan# 2950
Delta R.T. 0.003 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13

Tgt Ion: 91 Resp: 68854
Ion Ratio Lower Upper
91 100
106 28.8 24.9 37.3





#59

m/p-Xylene

Concen: 0.348 ppbv

RT: 12.372 min Scan# 3038

Delta R.T. 0.003 min

Lab File: VL041677.D

Acq: 7 Nov 2024 12:13

Instrument :

MSVOA_L

ClientSampleId :

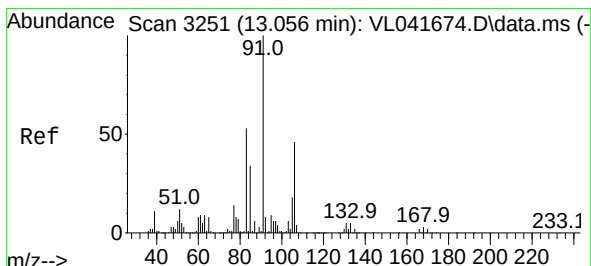
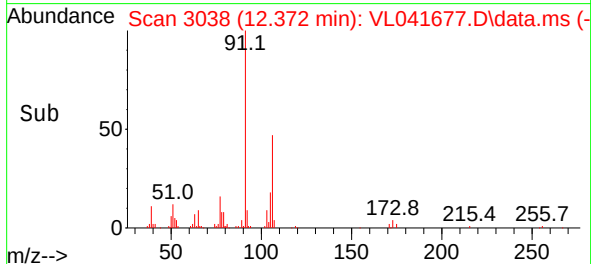
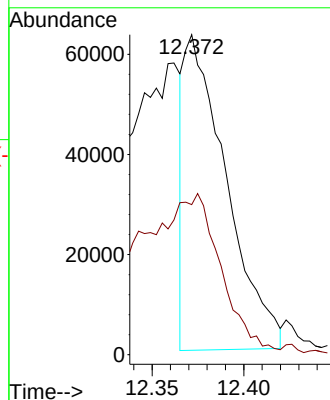
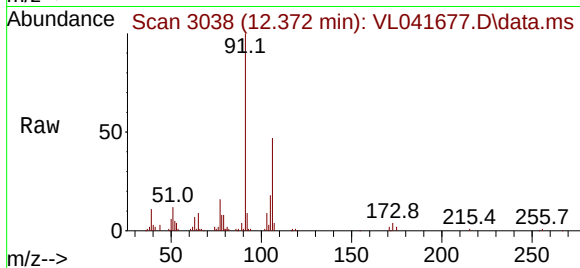
VSTDIC0.5

Tgt Ion: 91 Resp: 100159

Ion Ratio Lower Upper

91 100

106 109.7 36.9 55.3#



#60

o-Xylene

Concen: 0.408 ppbv

RT: 13.060 min Scan# 3252

Delta R.T. 0.003 min

Lab File: VL041677.D

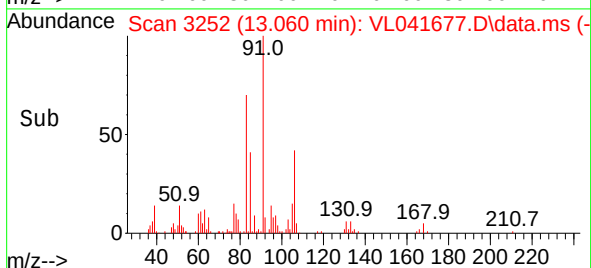
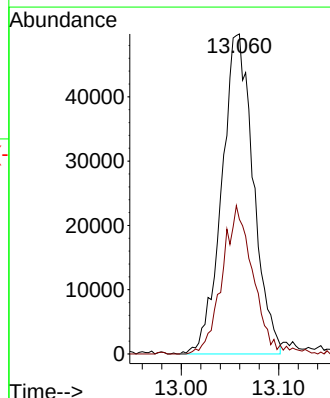
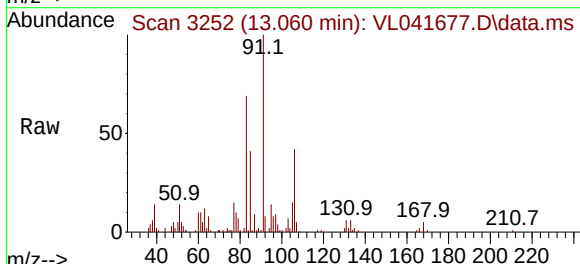
Acq: 7 Nov 2024 12:13

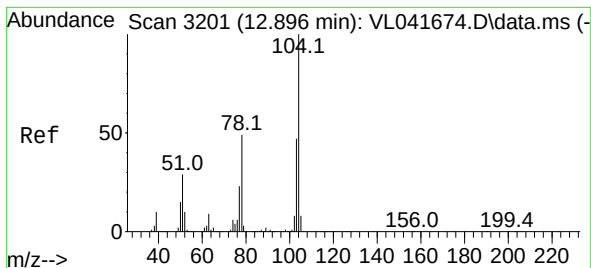
Tgt Ion: 91 Resp: 111856

Ion Ratio Lower Upper

91 100

106 45.8 23.2 69.6





#61

Styrene

Concen: 0.293 ppbv

RT: 12.899 min Scan# 31

Delta R.T. 0.003 min

Lab File: VL041677.D

Acq: 7 Nov 2024 12:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

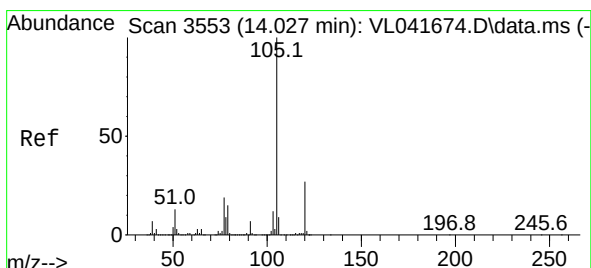
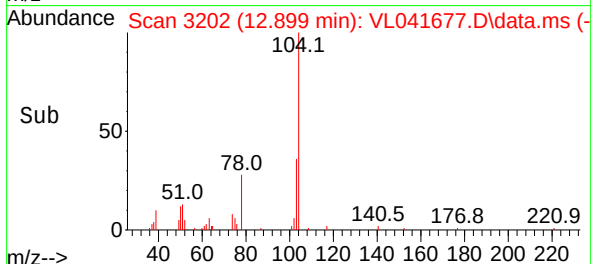
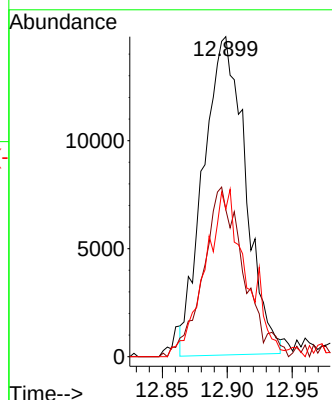
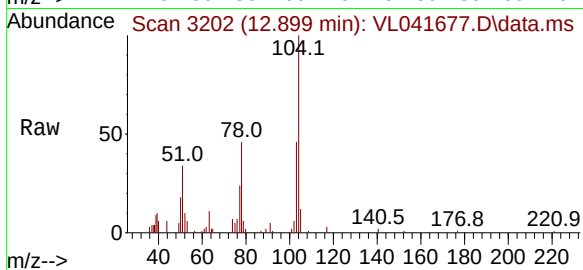
Tgt Ion:104 Resp: 33155

Ion Ratio Lower Upper

104 100

78 51.6 39.8 59.8

103 52.4 37.4 56.0



#62

Isopropylbenzene

Concen: 0.443 ppbv

RT: 14.031 min Scan# 3554

Delta R.T. 0.003 min

Lab File: VL041677.D

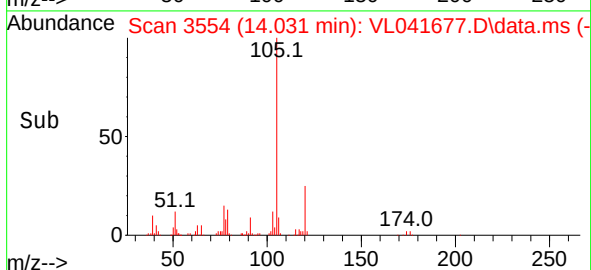
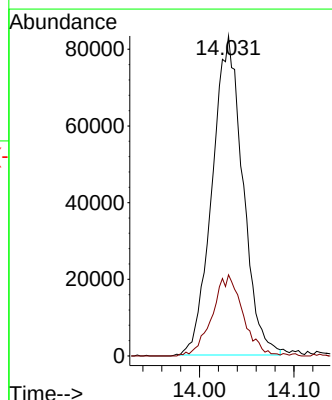
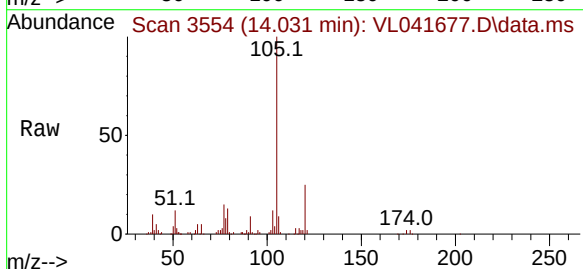
Acq: 7 Nov 2024 12:13

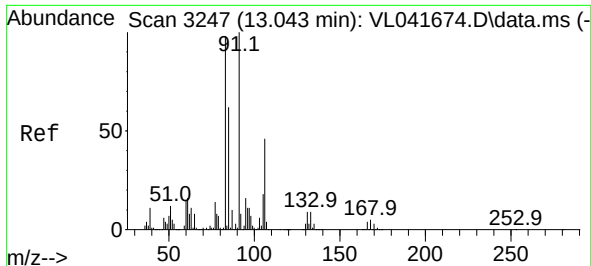
Tgt Ion:105 Resp: 187478

Ion Ratio Lower Upper

105 100

120 25.6 21.1 31.7





#63

1,1,2,2-Tetrachloroethane

Concen: 0.503 ppbv

RT: 13.050 min Scan# 31

Delta R.T. 0.007 min

Lab File: VL041677.D

Acq: 7 Nov 2024 12:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

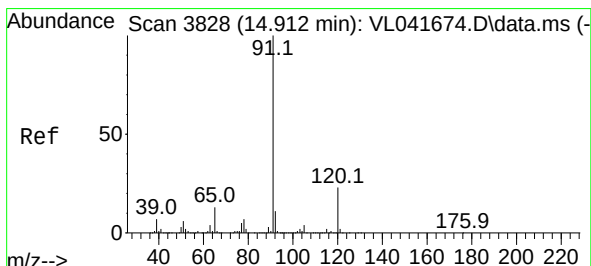
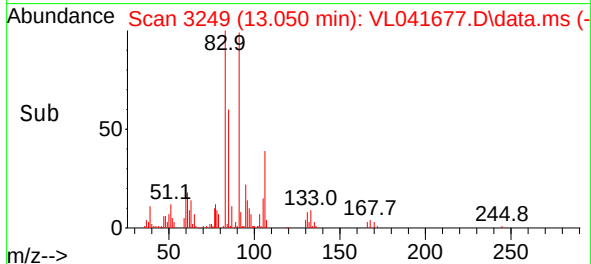
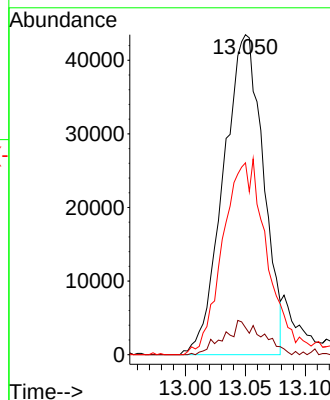
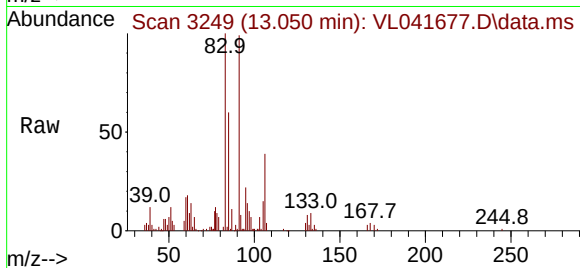
Tgt Ion: 83 Resp: 100534

Ion Ratio Lower Upper

83 100

131 10.2 4.8 14.3

85 69.1 32.6 98.0



#64

n-propylbenzene

Concen: 0.244 ppbv

RT: 14.921 min Scan# 3831

Delta R.T. 0.010 min

Lab File: VL041677.D

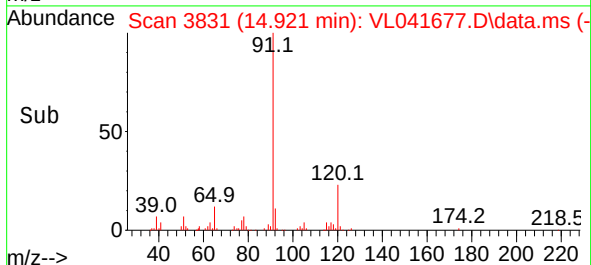
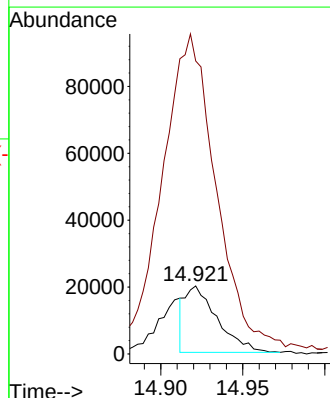
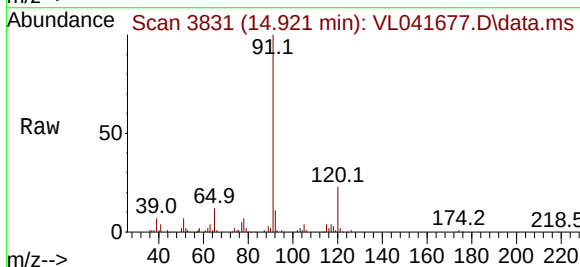
Acq: 7 Nov 2024 12:13

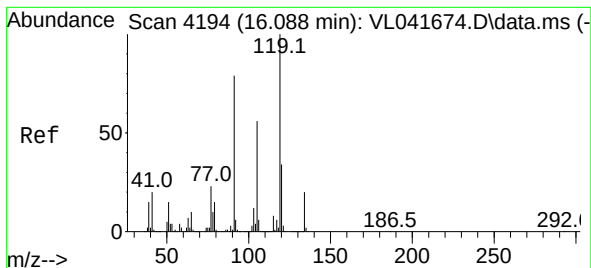
Tgt Ion:120 Resp: 27038

Ion Ratio Lower Upper

120 100

91 848.8 362.4 543.6#





#65

tert-Butylbenzene

Concen: 0.428 ppbv

RT: 16.092 min Scan# 4194

Delta R.T. 0.003 min

Lab File: VL041677.D

Acq: 7 Nov 2024 12:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

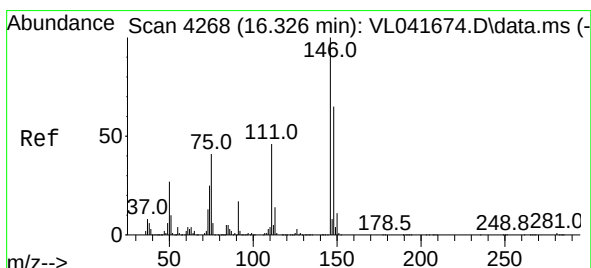
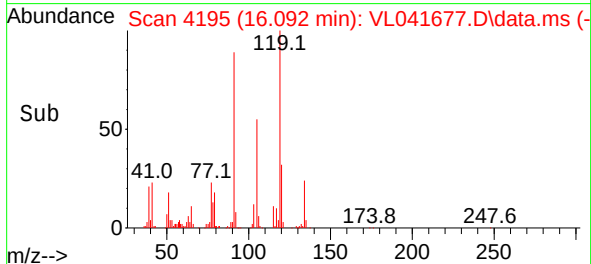
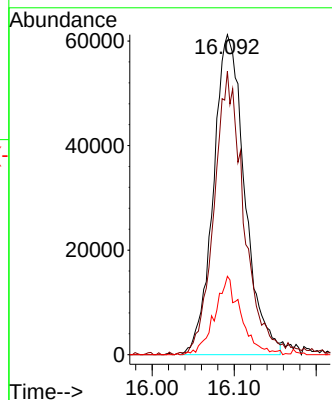
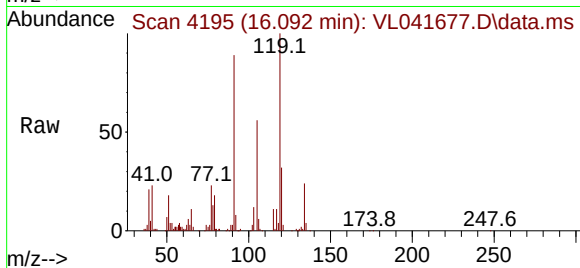
Tgt Ion:119 Resp: 162846

Ion Ratio Lower Upper

119 100

91 86.0 64.3 96.5

134 20.8 15.8 23.8



#66

Benzyl Chloride

Concen: 0.076 ppbv

RT: 16.330 min Scan# 4269

Delta R.T. 0.003 min

Lab File: VL041677.D

Acq: 7 Nov 2024 12:13

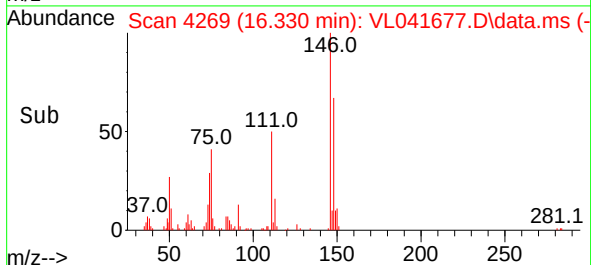
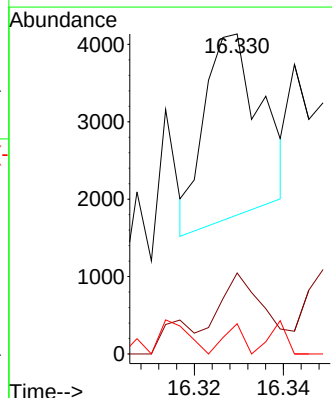
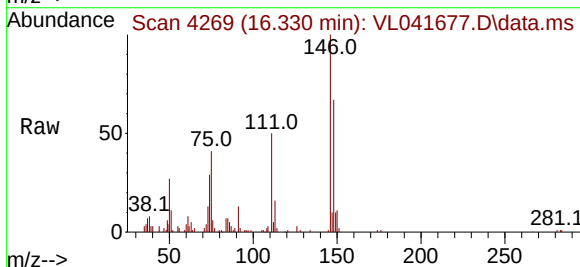
Tgt Ion: 91 Resp: 2089

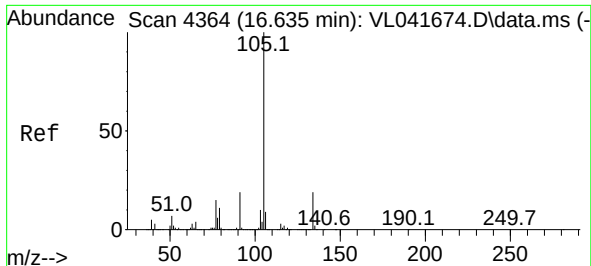
Ion Ratio Lower Upper

91 100

126 0.0 13.8 20.6#

128 21.9 4.3 6.5#





#67

sec-Butylbenzene

Concen: 0.429 ppbv

RT: 16.638 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041677.D

Acq: 7 Nov 2024 12:13

Instrument :

MSVOA_L

ClientSampleId :

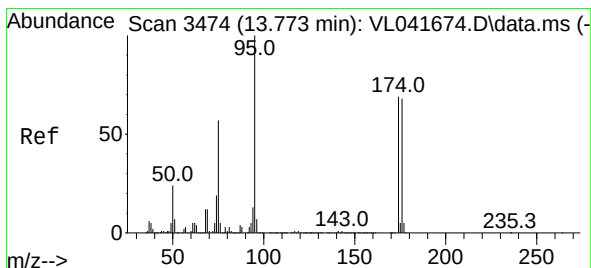
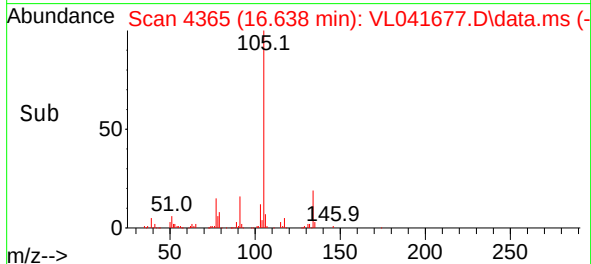
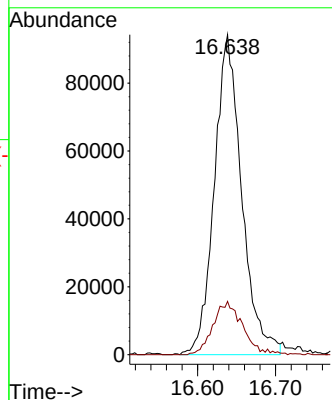
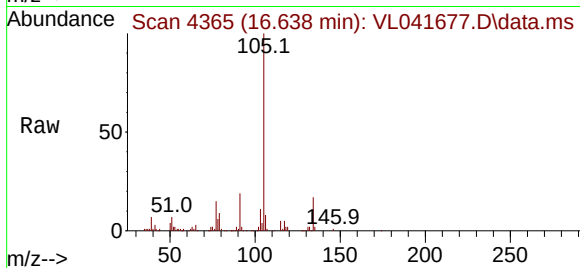
VSTDICC0.5

Tgt Ion:105 Resp: 230007

Ion Ratio Lower Upper

105 100

134 18.1 14.6 22.0



#68

1-Bromo-4-Fluorobenzene

Concen: 10.318 ppbv

RT: 13.777 min Scan# 3475

Delta R.T. 0.003 min

Lab File: VL041677.D

Acq: 7 Nov 2024 12:13

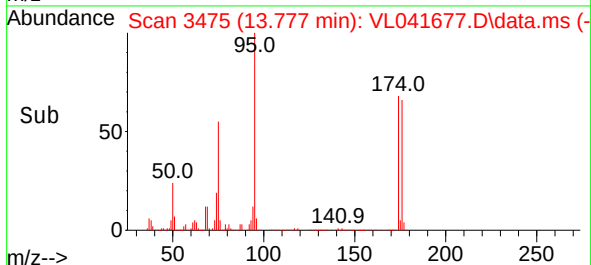
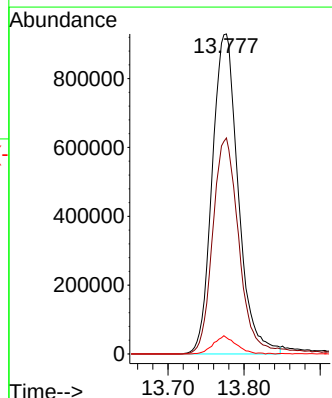
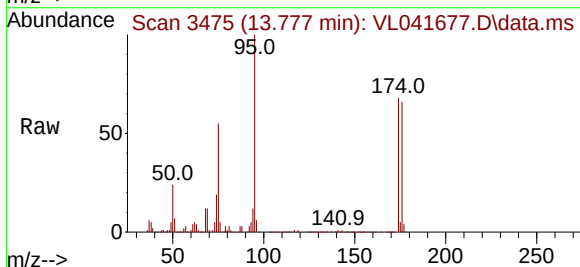
Tgt Ion: 95 Resp: 2213310

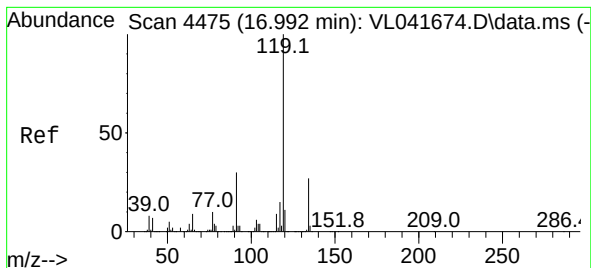
Ion Ratio Lower Upper

95 100

174 69.7 55.6 83.4

175 5.1 4.2 6.2





#69

p-Isopropyltoluene

Concen: 0.389 ppbv

RT: 16.995 min Scan# 4475

Delta R.T. 0.003 min

Lab File: VL041677.D

Acq: 7 Nov 2024 12:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

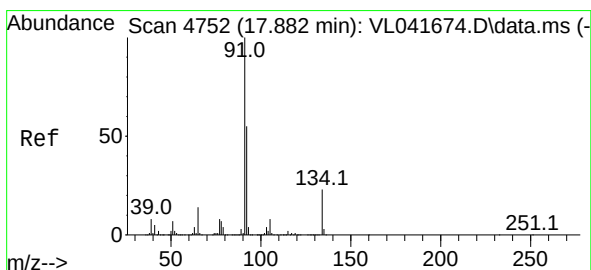
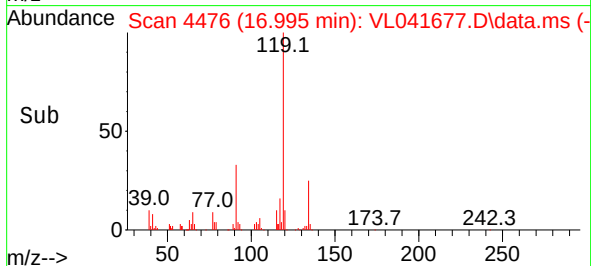
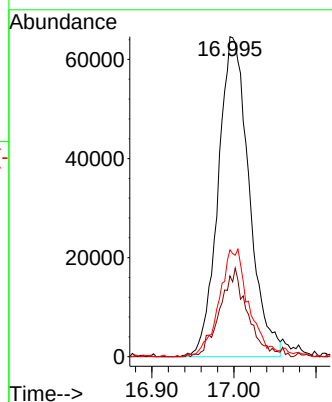
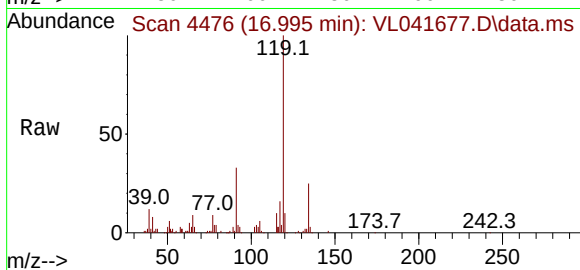
Tgt Ion:119 Resp: 169014

Ion Ratio Lower Upper

119 100

134 25.1 20.8 31.2

91 33.6 23.2 34.8



#70

n-Butylbenzene

Concen: 0.356 ppbv

RT: 17.892 min Scan# 4755

Delta R.T. 0.010 min

Lab File: VL041677.D

Acq: 7 Nov 2024 12:13

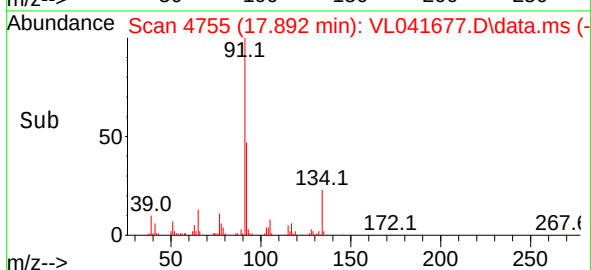
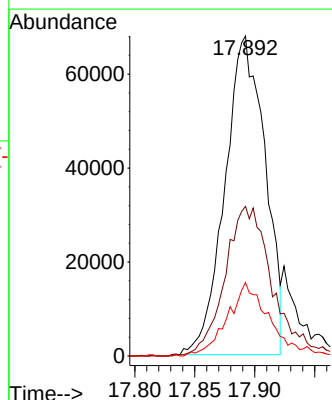
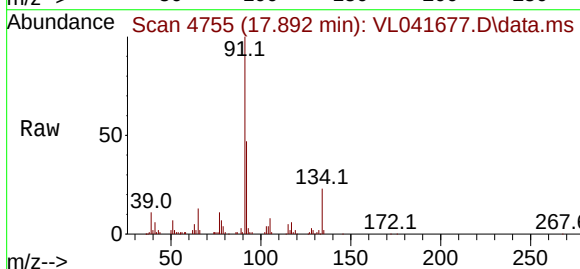
Tgt Ion: 91 Resp: 158268

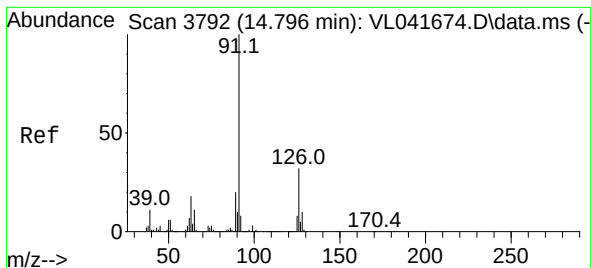
Ion Ratio Lower Upper

91 100

92 55.7 43.3 64.9

134 24.3 18.4 27.6

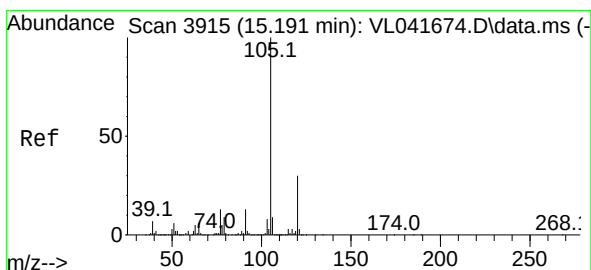
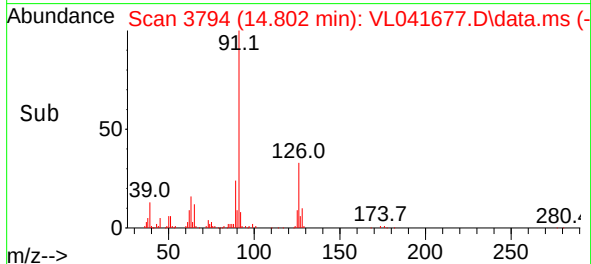
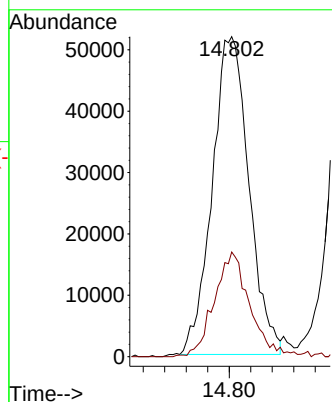
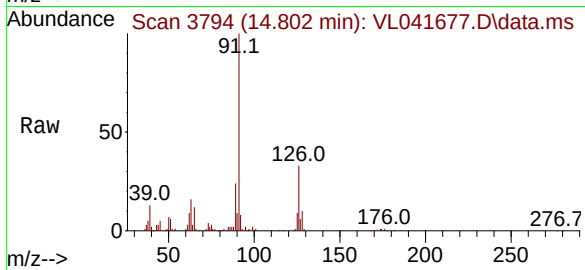




#71
2-Chlorotoluene
Concen: 0.401 ppbv
RT: 14.802 min Scan# 3794
Delta R.T. 0.007 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13

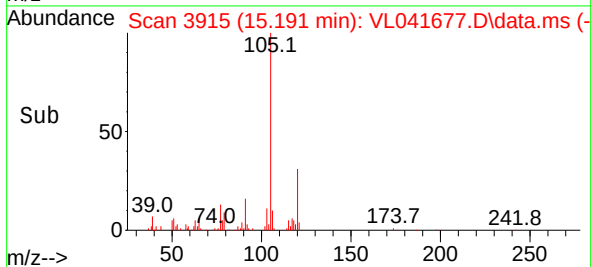
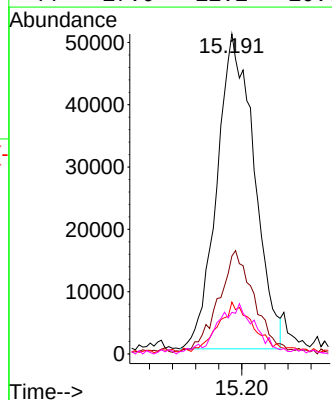
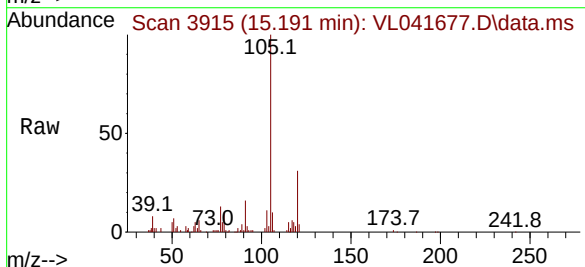
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

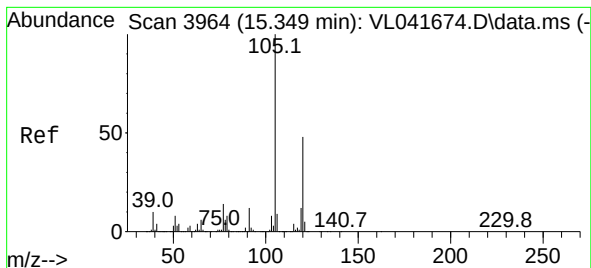
Tgt Ion: 91 Resp: 122982
Ion Ratio Lower Upper
91 100
126 31.8 12.8 51.0



#72
4-Ethyltoluene
Concen: 0.356 ppbv
RT: 15.191 min Scan# 3915
Delta R.T. 0.000 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13

Tgt Ion:105 Resp: 113592
Ion Ratio Lower Upper
105 100
120 33.4 25.0 37.4
91 19.0 10.6 15.8#
77 17.0 11.1 16.7#





#73

1,3,5-Trimethylbenzene

Concen: 0.250 ppbv

RT: 15.355 min Scan# 3966

Delta R.T. 0.007 min

Lab File: VL041677.D

Acq: 7 Nov 2024 12:13

Instrument :

MSVOA_1

ClientSampleId :

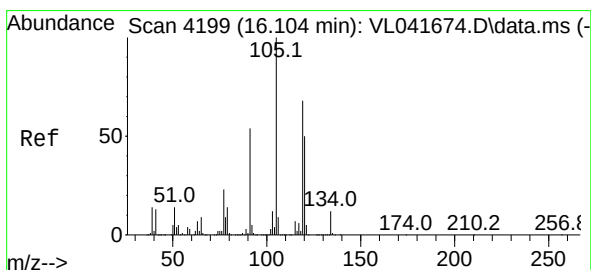
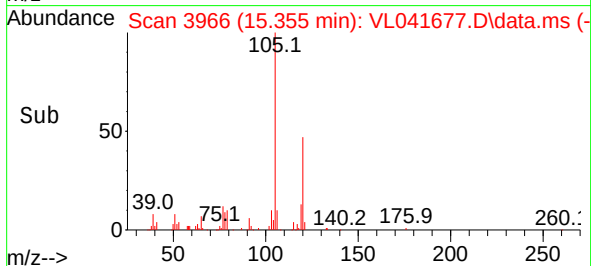
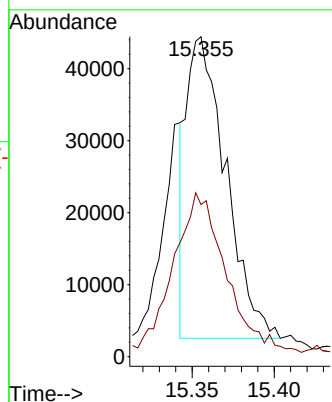
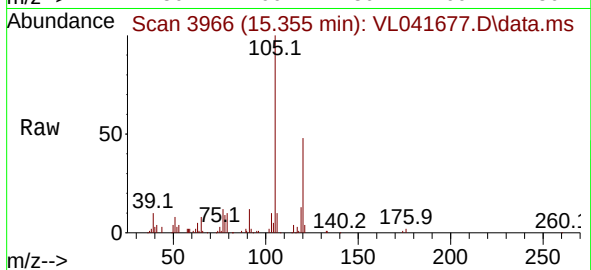
VSTDIC0.5

Tgt Ion:105 Resp: 69729

Ion Ratio Lower Upper

105 100

120 47.0 38.4 57.6



#74

1,2,4-Trimethylbenzene

Concen: 0.437 ppbv

RT: 16.111 min Scan# 4201

Delta R.T. 0.007 min

Lab File: VL041677.D

Acq: 7 Nov 2024 12:13

Tgt Ion:105 Resp: 142178

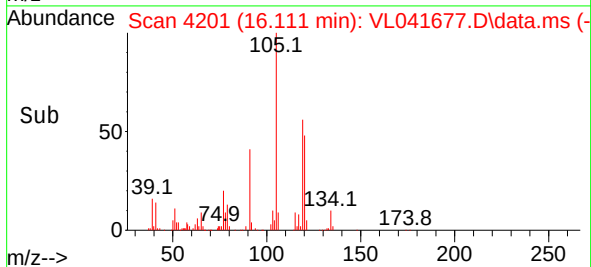
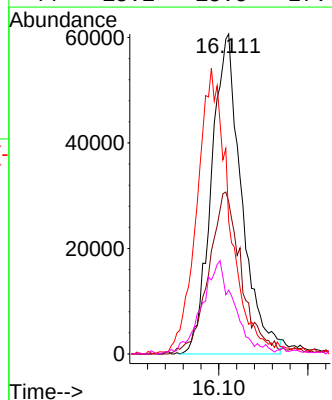
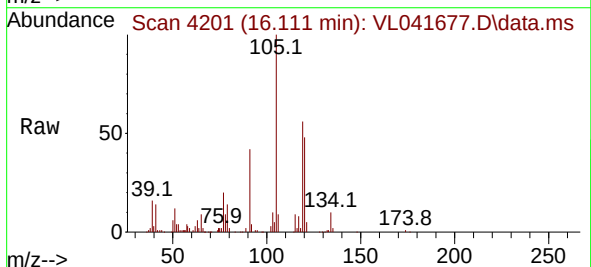
Ion Ratio Lower Upper

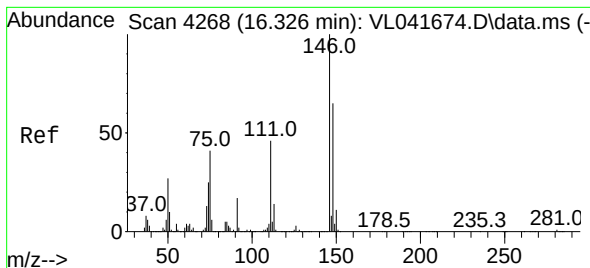
105 100

120 46.3 39.8 59.8

91 39.2 43.2 64.8#

77 18.1 18.5 27.7#





#75

1,3-Dichlorobenzene

Concen: 0.167 ppbv

RT: 16.323 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL041677.D

Acq: 7 Nov 2024 12:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

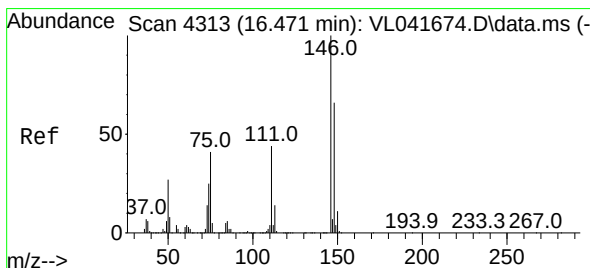
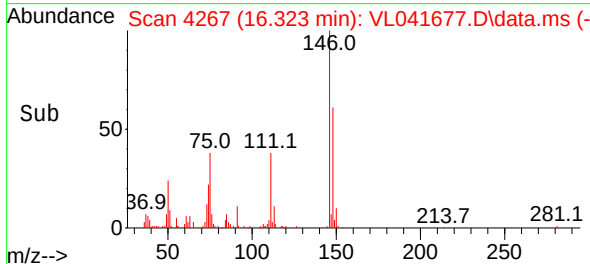
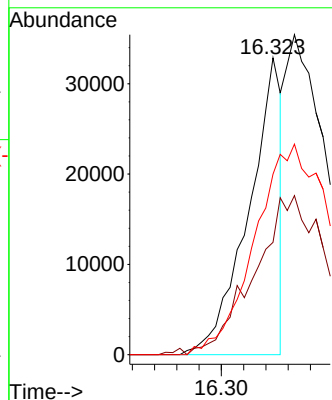
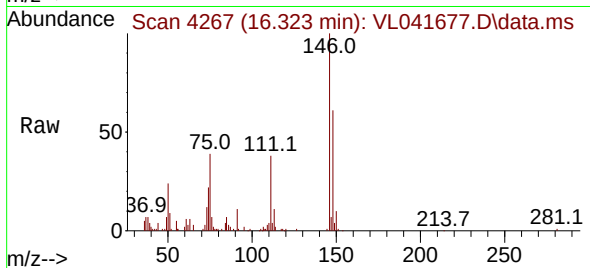
Tgt Ion:146 Resp: 33527

Ion Ratio Lower Upper

146 100

111 0.0 22.8 68.3#

148 0.0 32.4 97.0#



#76

1,4-Dichlorobenzene

Concen: 0.033 ppbv

RT: 16.468 min Scan# 4312

Delta R.T. -0.003 min

Lab File: VL041677.D

Acq: 7 Nov 2024 12:13

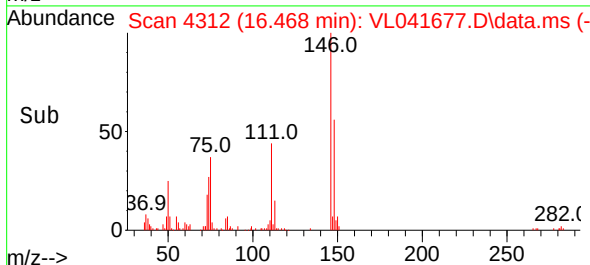
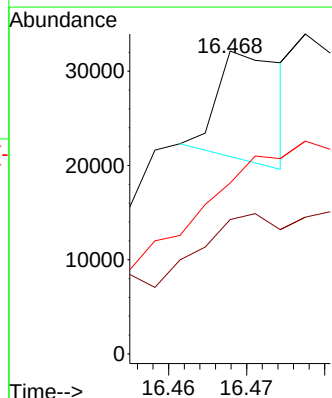
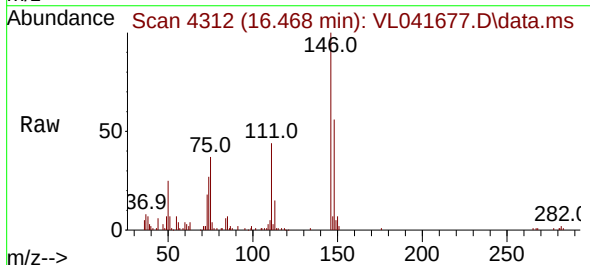
Tgt Ion:146 Resp: 6516

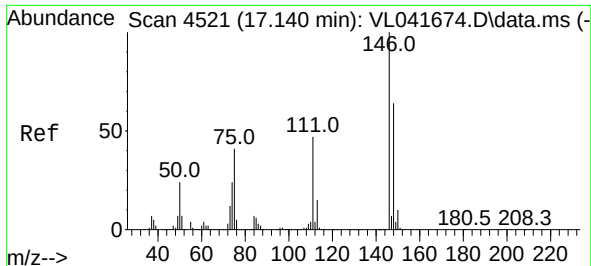
Ion Ratio Lower Upper

146 100

111 0.0 22.1 66.3#

148 0.0 33.3 99.8#

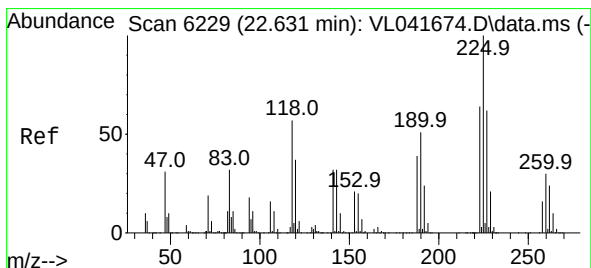
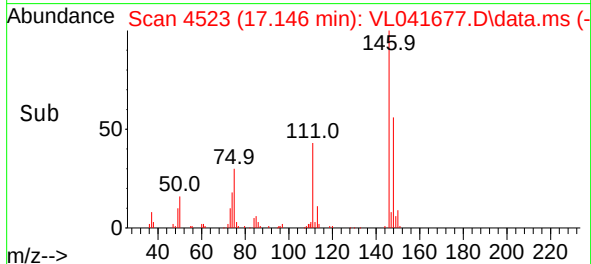
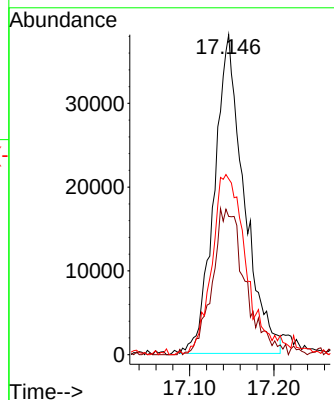
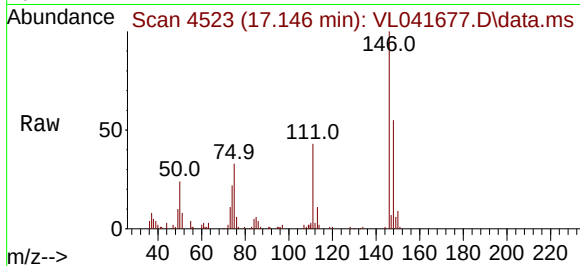




#77
1,2-Dichlorobenzene
Concen: 0.468 ppbv
RT: 17.146 min Scan# 4521
Delta R.T. 0.007 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13

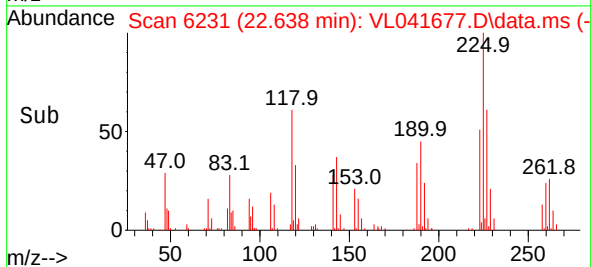
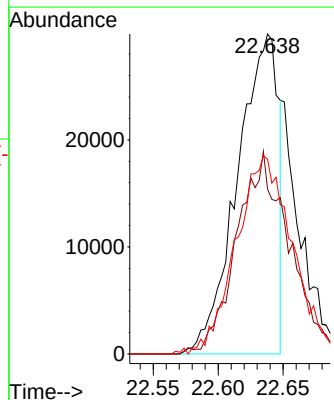
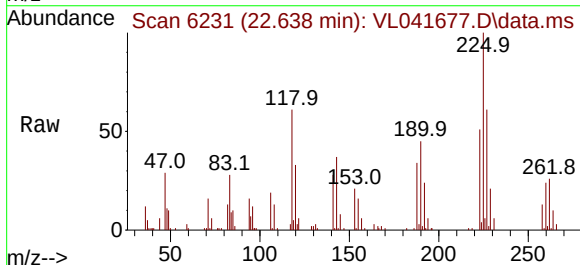
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

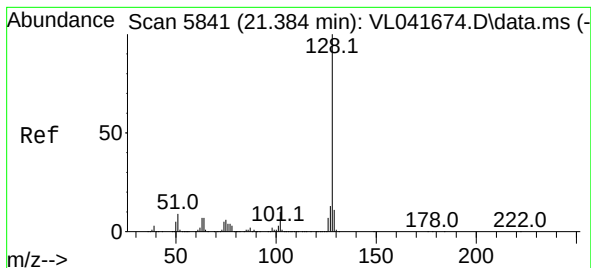
Tgt Ion:146 Resp: 93228
Ion Ratio Lower Upper
146 100
111 52.2 23.4 70.3
148 67.8 32.1 96.5



#78
Hexachloro-1,3-Butadiene
Concen: 0.414 ppbv
RT: 22.638 min Scan# 6231
Delta R.T. 0.007 min
Lab File: VL041677.D
Acq: 7 Nov 2024 12:13

Tgt Ion:225 Resp: 65313
Ion Ratio Lower Upper
225 100
223 82.2 51.1 76.7#
227 87.7 51.3 76.9#





#79

Naphthalene

Concen: 0.185 ppbv

RT: 21.397 min Scan# 5845

Delta R.T. 0.013 min

Lab File: VL041677.D

Acq: 7 Nov 2024 12:13

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

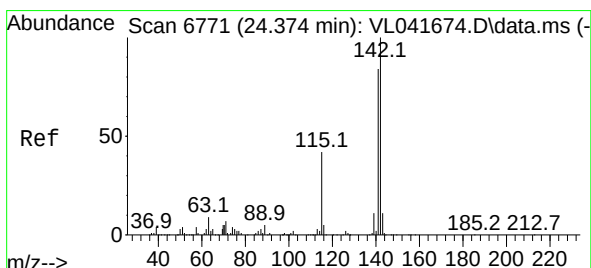
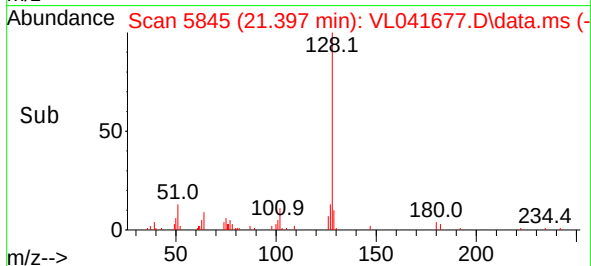
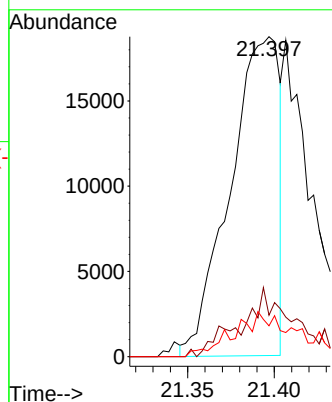
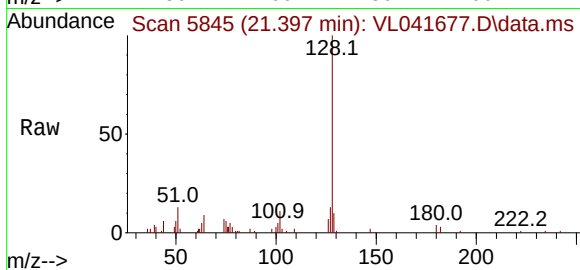
Tgt Ion:128 Resp: 36894

Ion Ratio Lower Upper

128 100

127 9.8 10.5 15.7#

129 10.0 8.7 13.1



#80

Naphthalene,2-methyl-

Concen: 0.304 ppbv

RT: 24.410 min Scan# 6782

Delta R.T. 0.036 min

Lab File: VL041677.D

Acq: 7 Nov 2024 12:13

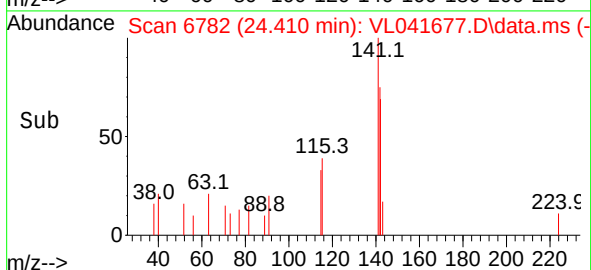
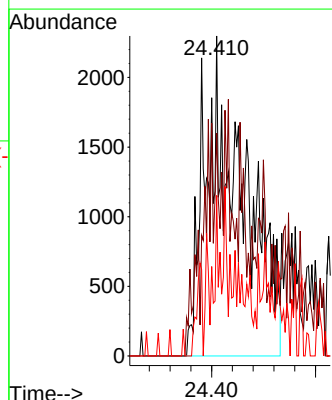
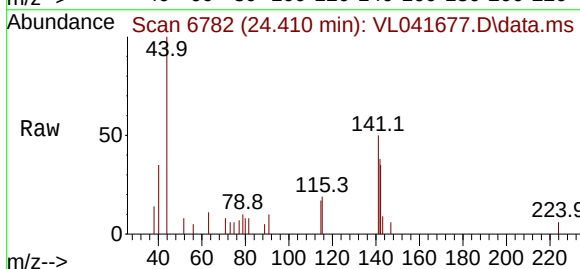
Tgt Ion:142 Resp: 11292

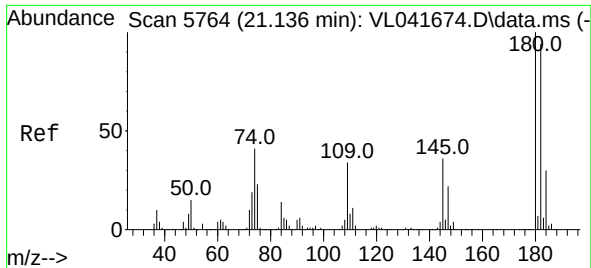
Ion Ratio Lower Upper

142 100

141 48.5 68.1 102.1#

115 20.6 33.1 49.7#





#81

1,2,4-Trichlorobenzene

Concen: 0.149 ppbv

RT: 21.143 min Scan# 51

Delta R.T. 0.007 min

Lab File: VL041677.D

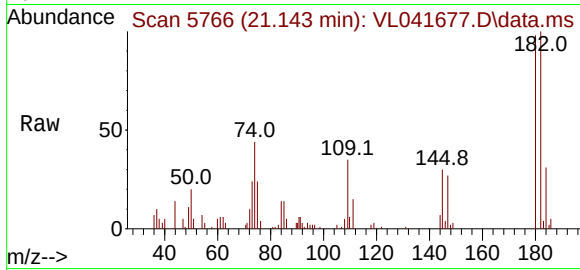
Acq: 7 Nov 2024 12:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5



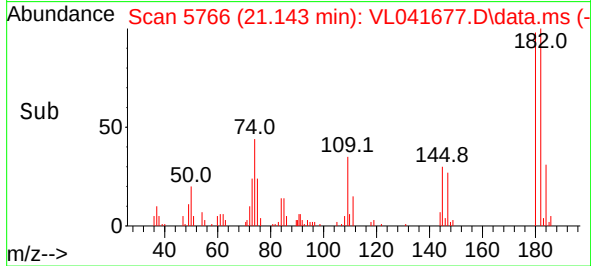
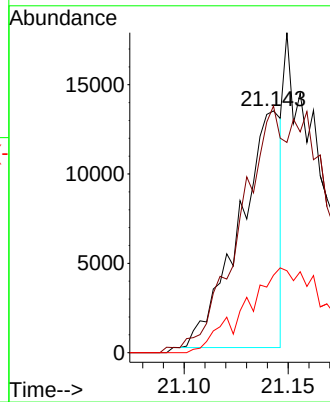
Tgt Ion:180 Resp: 18569

Ion Ratio Lower Upper

180 100

182 249.5 78.2 117.2#

184 0.0 25.0 37.4#



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
 Data File : VL041678.D
 Acq On : 7 Nov 2024 12:52
 Operator : SY/MD
 Sample : VSTDICC0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.1

Quant Time: Nov 08 00:11:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Nov 08 00:07:44 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.189	49	1123559	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	3159589	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2815160	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.774	95	2112048	10.145	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.400%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.722	85	20328	0.100	ppbv	93
3) Chlorodifluoromethane	2.668	51	14728	0.101	ppbv	96
4) Chloromethane	2.806	50	7476	0.096	ppbv	97
5) Vinyl Chloride	2.915	62	5503	0.078	ppbv	97
6) Bromomethane	3.115	94	3797	0.103	ppbv #	57
7) Chloroethane	3.195	64	1157	0.045	ppbv #	78
8) Dichlorotetrafluoroethane	2.848	85	15932	0.088	ppbv	96
9) Propene	2.687	41	8339	0.131	ppbv	94
10) Heptane	7.578	43	4990	0.035	ppbv #	62
11) Trichlorofluoromethane	3.552	101	15971	0.090	ppbv	90
12) 1,1,2-Trichlorotrifluo...	4.060	101	6848	0.053	ppbv #	27
13) Ethanol	3.243	45	204	0.051	ppbv #	40
14) Bromoethene	3.362	108	3969	0.077	ppbv #	89
15) Acetone	3.488	43	20040	0.145	ppbv #	81
16) 1,3-Butadiene	2.980	39	6807	0.098	ppbv #	79
17) tert-Butyl alcohol	3.899	59	4770	0.039	ppbv #	72
18) 1,1-Dichloroethene	3.874	96	5246	0.093	ppbv	96
19) Isopropyl Alcohol	3.555	45	63	0.001	ppbv #	91
20) Methylene Chloride	3.925	84	12266	0.241	ppbv #	81
21) Allyl Chloride	3.993	41	7496	0.088	ppbv #	79
22) trans-1,2-Dichloroethene	4.439	96	2308	0.041	ppbv	93
23) Vinyl Acetate	4.613	43	837	0.013	ppbv #	1
24) 1,1-Dichloroethane	4.558	63	10607	0.085	ppbv #	83
25) Ethyl Acetate	5.214	43	12615	0.044	ppbv #	76
26) Hexane	5.205	57	5831	0.053	ppbv #	43
27) Carbon Disulfide	4.124	76	7166	0.058	ppbv #	1
28) Methyl tert-Butyl Ether	4.584	73	768	0.011	ppbv #	51
29) Chloroform	5.266	83	15654	0.086	ppbv	92
30) Cyclohexane	6.594	84	1619	0.018	ppbv #	1
31) cis-1,2-Dichloroethene	5.076	61	4534	0.043	ppbv #	79
32) 1,1,1-Trichloroethane	6.002	97	7181	0.043	ppbv #	29
34) 2-Butanone	4.793	43	2207	0.014	ppbv #	54
35) Carbon Tetrachloride	6.488	117	7302	0.044	ppbv #	80
36) Benzene	6.362	78	7427	0.032	ppbv #	93
37) 1,2-Dichloroethane	5.806	62	8849	0.067	ppbv #	84
38) Trichloroethene	7.282	130	3343	0.037	ppbv #	66
39) 1,2-Dichloropropane	6.645	63	775538	8.383	ppbv #	24
40) 1,4-Dioxane	7.275	88	38	0.001	ppbv #	1
41) Tetrahydrofuran	5.587	42	2579	0.029	ppbv #	52
42) Bromodichloromethane	7.246	83	8093	0.044	ppbv #	96
43) Methyl Methacrylate	7.468	69	525	0.006	ppbv #	1
44) 2,2,4-Trimethylpentane	7.320	57	2744	0.007	ppbv #	1
45) t-1,3-Dichloropropene	8.693	75	538	0.007	ppbv	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
 Data File : VL041678.D
 Acq On : 7 Nov 2024 12:52
 Operator : SY/MD
 Sample : VSTDICC0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.1

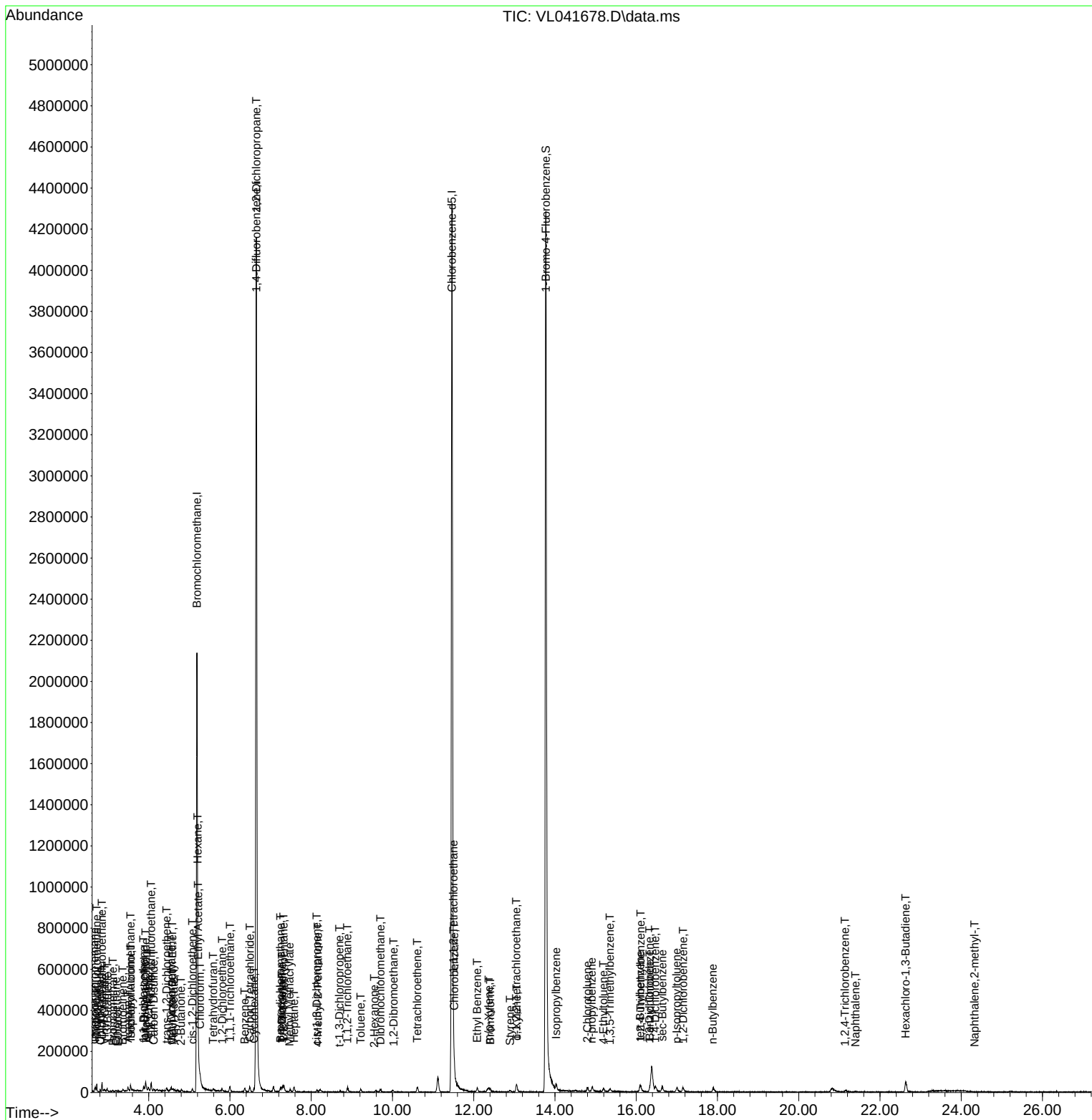
Quant Time: Nov 08 00:11:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Nov 08 00:07:44 2024
 Response via : Initial Calibration

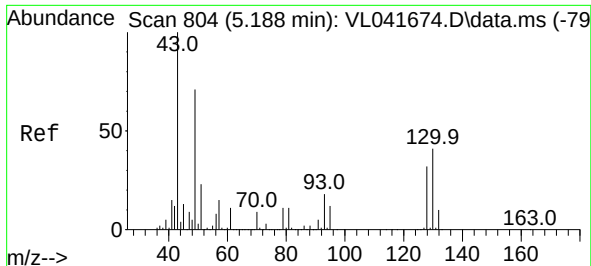
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.140	75	1104	0.010	ppbv #	21
47) 1,1,2-Trichloroethane	8.889	97	2963	0.030	ppbv #	88
48) Dibromochloromethane	9.706	129	1289	0.008	ppbv #	10
49) Bromoform	12.407	173	5111	0.039	ppbv #	70
50) 4-Methyl-2-Pentanone	8.166	43	129	0.001	ppbv #	40
51) 2-Hexanone	9.555	43	130	0.001	ppbv #	31
52) Tetrachloroethene	10.613	164	4385	0.055	ppbv #	68
53) Toluene	9.217	91	6426	0.026	ppbv #	48
54) 1,2-Dibromoethane	10.028	107	948	0.008	ppbv	87
56) 1,1,1,2-Tetrachloroethane	11.503	131	5532	0.047	ppbv #	19
57) Chlorobenzene	11.520	112	8824	0.042	ppbv #	47
58) Ethyl Benzene	12.085	91	8058	0.026	ppbv #	76
59) m/p-Xylene	12.372	91	2522	0.009	ppbv #	30
60) o-Xylene	13.060	91	4516	0.017	ppbv #	27
61) Styrene	12.896	104	1175	0.011	ppbv #	29
62) Isopropylbenzene	14.028	105	7473	0.018	ppbv #	49
63) 1,1,2,2-Tetrachloroethane	13.047	83	6699	0.035	ppbv #	25
64) n-propylbenzene	14.905	120	1772	0.016	ppbv #	1
65) tert-Butylbenzene	16.095	119	5771	0.016	ppbv #	12
66) Benzyl Chloride	16.333	91	477	0.018	ppbv #	66
67) sec-Butylbenzene	16.642	105	5110	0.010	ppbv #	1
69) p-Isopropyltoluene	16.995	119	3874	0.009	ppbv #	47
70) n-Butylbenzene	17.883	91	2579	0.006	ppbv #	33
71) 2-Chlorotoluene	14.799	91	5048	0.017	ppbv	78
72) 4-Ethyltoluene	15.191	105	5148	0.017	ppbv #	18
73) 1,3,5-Trimethylbenzene	15.349	105	4231	0.016	ppbv #	78
74) 1,2,4-Trimethylbenzene	16.111	105	3618	0.011	ppbv #	45
75) 1,3-Dichlorobenzene	16.326	146	2267	0.012	ppbv #	23
76) 1,4-Dichlorobenzene	16.468	146	2512	0.013	ppbv #	1
77) 1,2-Dichlorobenzene	17.153	146	6040	0.031	ppbv #	27
78) Hexachloro-1,3-Butadiene	22.632	225	5833	0.038	ppbv #	1
79) Naphthalene	21.394	128	1624	0.008	ppbv #	69
80) Naphthalene,2-methyl-	24.329	142	34	0.001	ppbv #	16
81) 1,2,4-Trichlorobenzene	21.137	180	609	0.005	ppbv #	11

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCO.1

Quant Time: Nov 08 00:11:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Nov 08 00:07:44 2024
Response via : Initial Calibration

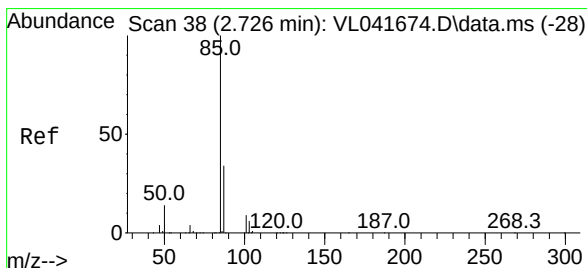
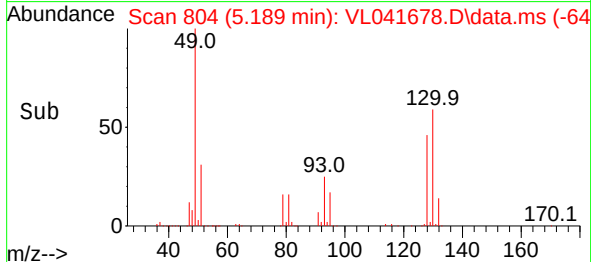
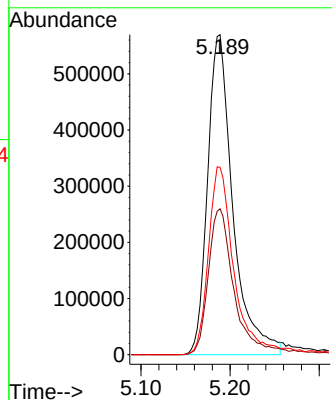
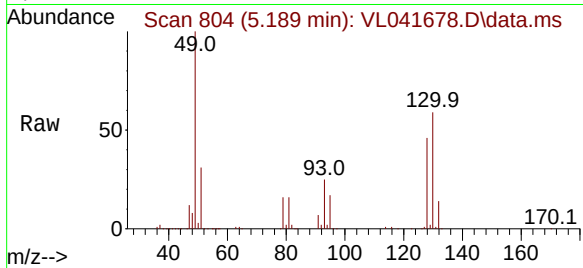




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.189 min Scan# 80
Delta R.T. 0.001 min
Lab File: VL041678.D
Acq: 7 Nov 2024 12:52

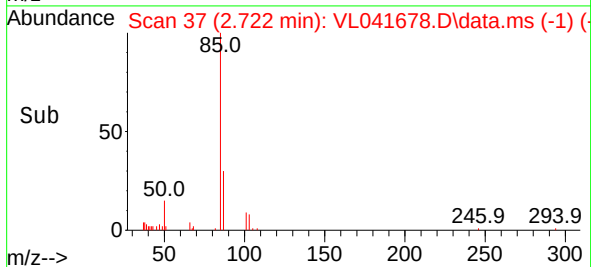
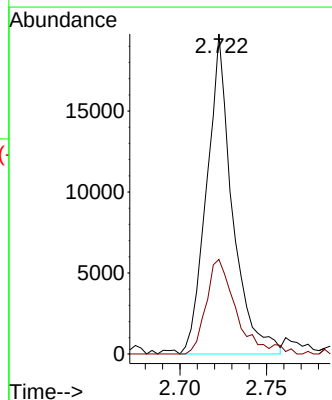
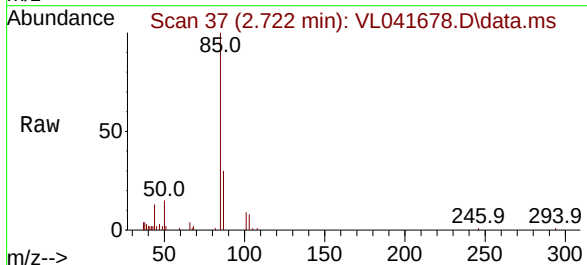
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

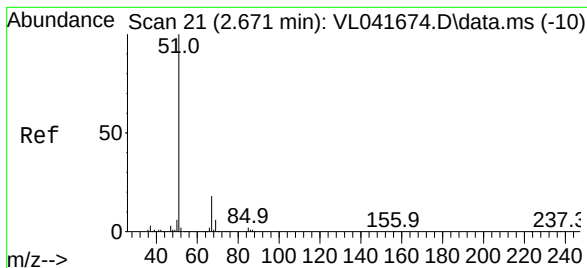
Tgt Ion: 49 Resp: 1123559
Ion Ratio Lower Upper
49 100
128 48.3 23.8 71.2
130 62.1 30.1 90.5



#2
Dichlorodifluoromethane
Concen: 0.100 ppbv
RT: 2.722 min Scan# 37
Delta R.T. -0.003 min
Lab File: VL041678.D
Acq: 7 Nov 2024 12:52

Tgt Ion: 85 Resp: 20328
Ion Ratio Lower Upper
85 100
87 29.5 26.8 40.2





#3

Chlorodifluoromethane

Concen: 0.101 ppbv

RT: 2.668 min Scan# 20

Delta R.T. -0.003 min

Lab File: VL041678.D

Acq: 7 Nov 2024 12:52

Instrument :

MSVOA_L

ClientSampleId :

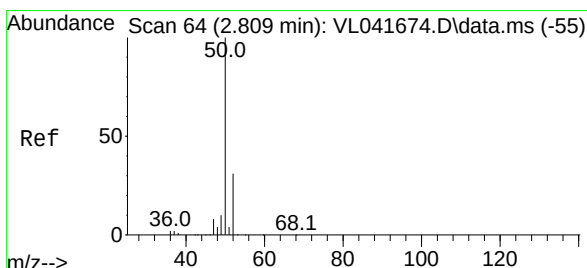
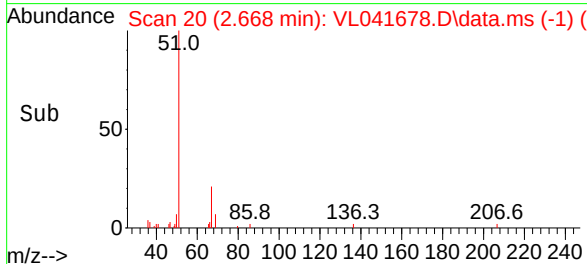
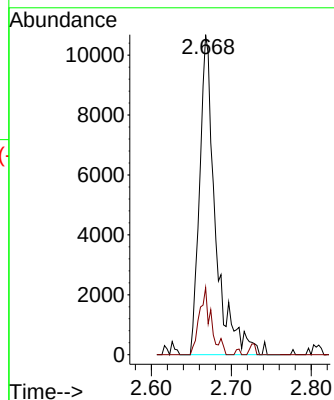
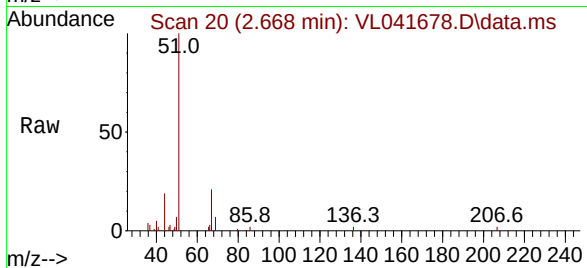
VSTDIC0.1

Tgt Ion: 51 Resp: 14728

Ion Ratio Lower Upper

51 100

67 15.8 13.9 20.9



#4

Chloromethane

Concen: 0.096 ppbv

RT: 2.806 min Scan# 63

Delta R.T. -0.003 min

Lab File: VL041678.D

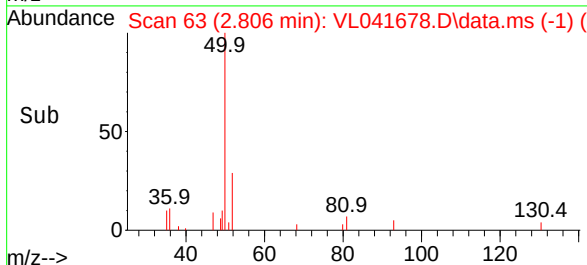
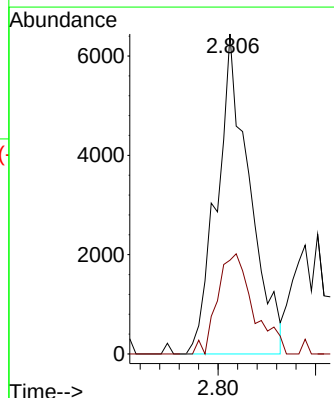
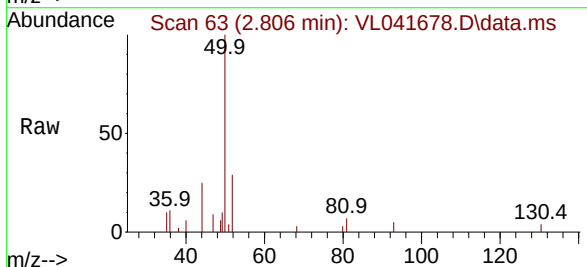
Acq: 7 Nov 2024 12:52

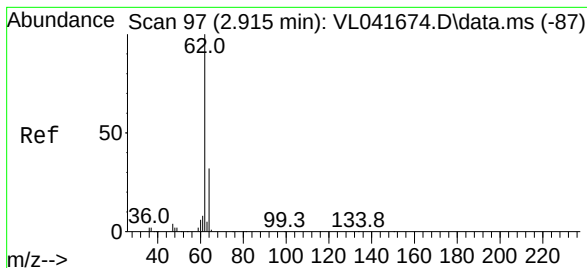
Tgt Ion: 50 Resp: 7476

Ion Ratio Lower Upper

50 100

52 29.3 24.9 37.3

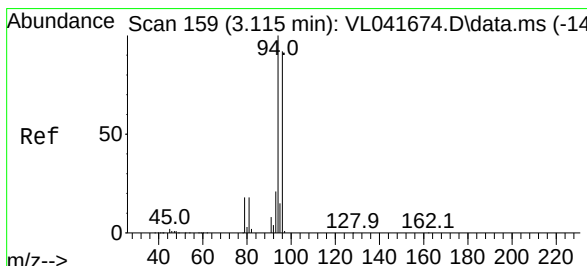
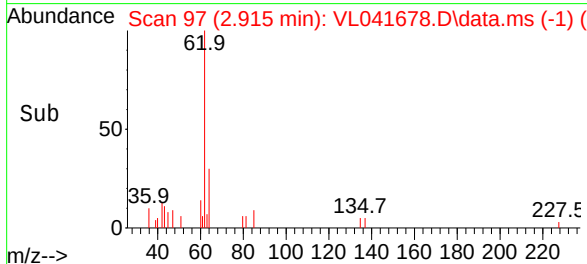
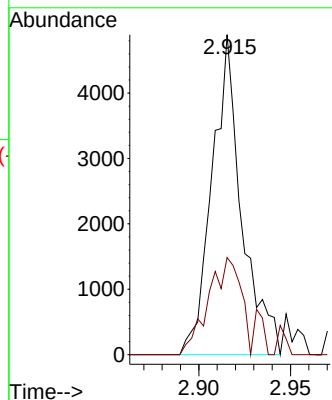
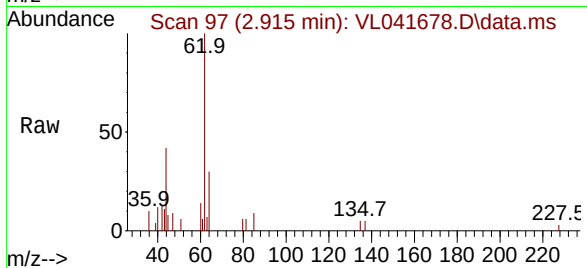




#5
 Vinyl Chloride
 Concen: 0.078 ppbv
 RT: 2.915 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VL041678.D
 Acq: 7 Nov 2024 12:52

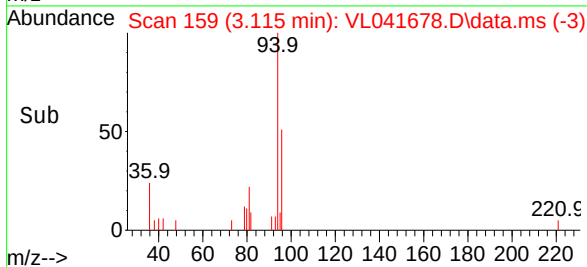
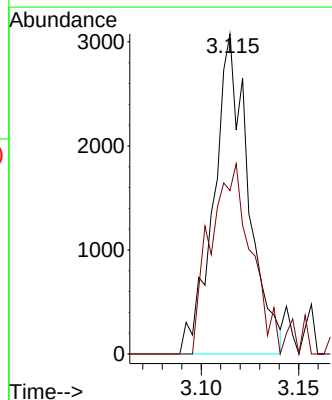
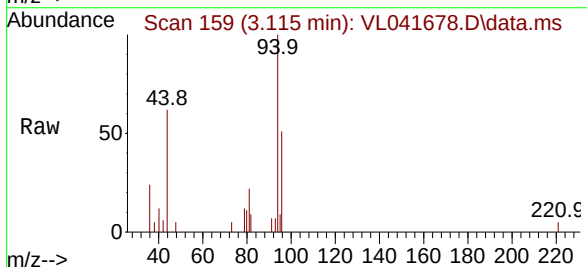
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

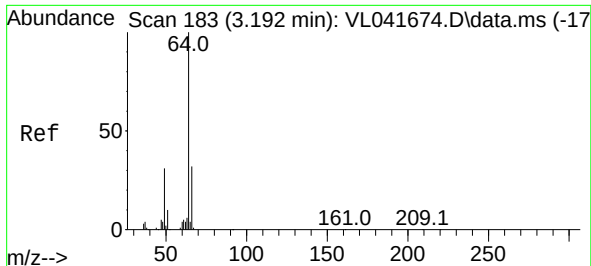
Tgt Ion: 62 Resp: 5503
 Ion Ratio Lower Upper
 62 100
 64 30.4 25.4 38.2



#6
 Bromomethane
 Concen: 0.103 ppbv
 RT: 3.115 min Scan# 159
 Delta R.T. 0.000 min
 Lab File: VL041678.D
 Acq: 7 Nov 2024 12:52

Tgt Ion: 94 Resp: 3797
 Ion Ratio Lower Upper
 94 100
 96 51.0 73.4 110.2#

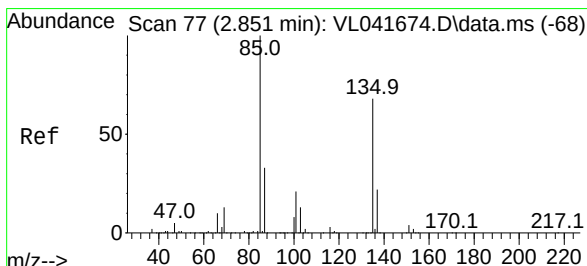
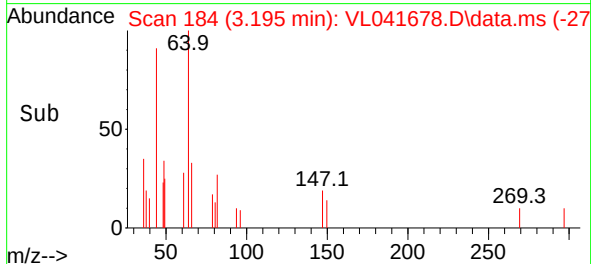
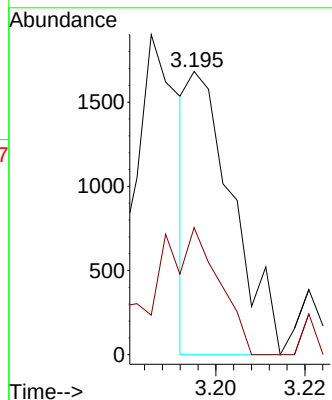
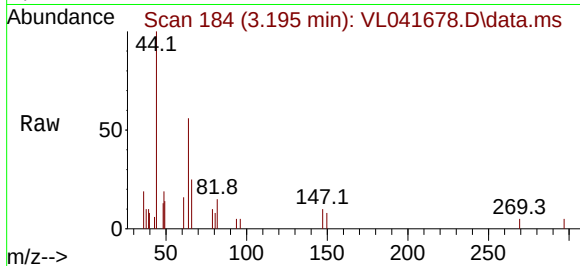




#7
Chloroethane
Concen: 0.045 ppbv
RT: 3.195 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL041678.D
Acq: 7 Nov 2024 12:52

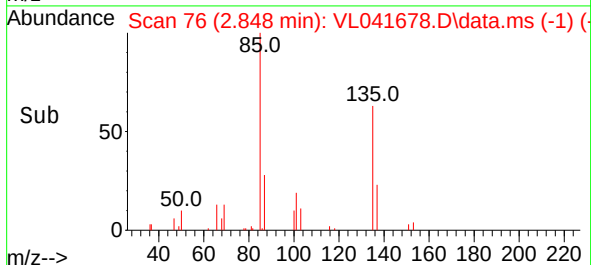
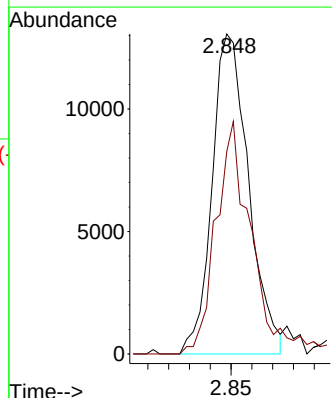
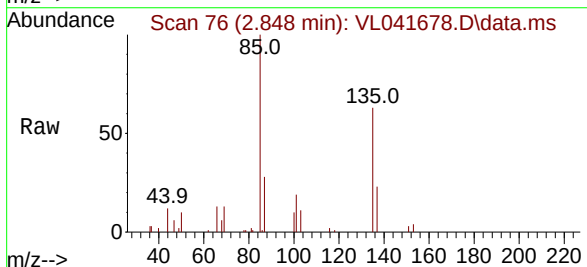
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

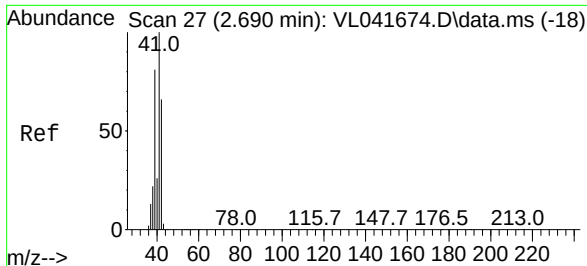
Tgt Ion: 64 Resp: 1157
Ion Ratio Lower Upper
64 100
66 44.9 25.9 38.9#



#8
Dichlorotetrafluoroethane
Concen: 0.088 ppbv
RT: 2.848 min Scan# 76
Delta R.T. -0.003 min
Lab File: VL041678.D
Acq: 7 Nov 2024 12:52

Tgt Ion: 85 Resp: 15932
Ion Ratio Lower Upper
85 100
135 73.0 55.5 83.3

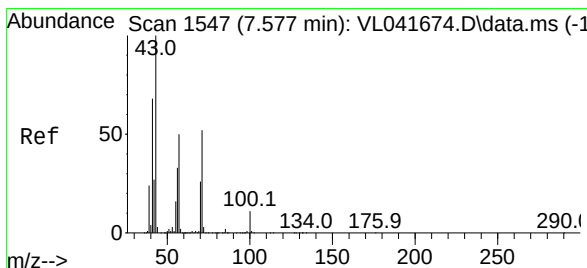
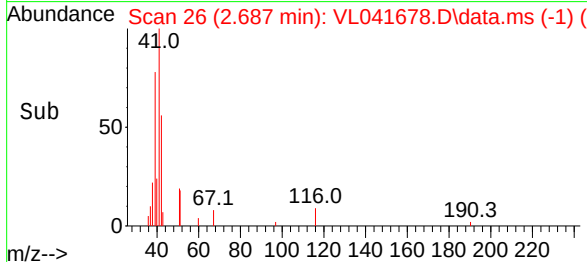
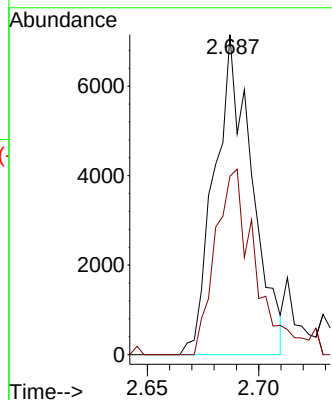
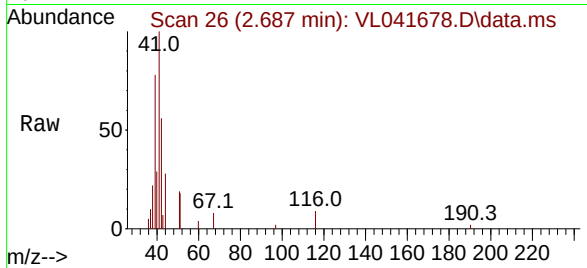




#9
Propene
Concen: 0.131 ppbv
RT: 2.687 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL041678.D
Acq: 7 Nov 2024 12:52

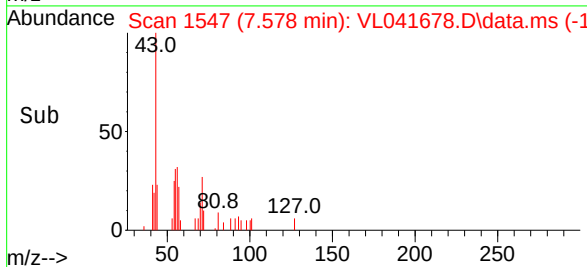
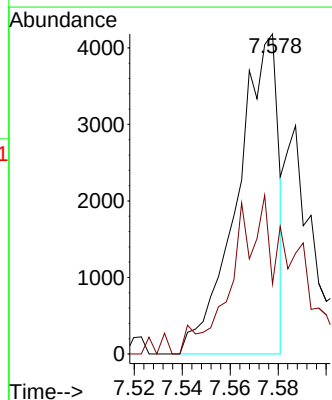
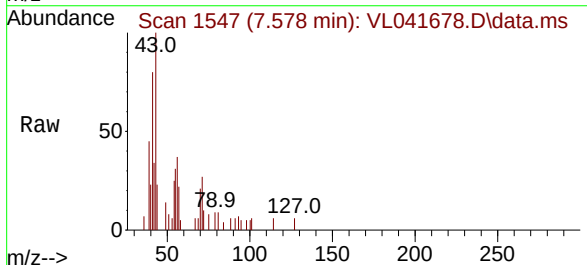
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

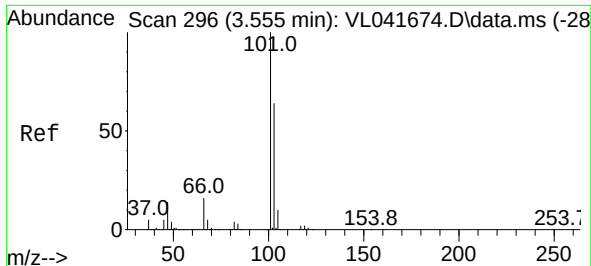
Tgt Ion: 41 Resp: 8339
Ion Ratio Lower Upper
41 100
42 63.8 55.0 82.4



#10
Heptane
Concen: 0.035 ppbv
RT: 7.578 min Scan# 1547
Delta R.T. 0.000 min
Lab File: VL041678.D
Acq: 7 Nov 2024 12:52

Tgt Ion: 43 Resp: 4990
Ion Ratio Lower Upper
43 100
57 76.1 40.0 60.0#





#11

Trichlorofluoromethane

Concen: 0.090 ppbv

RT: 3.552 min Scan# 296

Delta R.T. -0.003 min

Lab File: VL041678.D

Acq: 7 Nov 2024 12:52

Instrument :

MSVOA_1

ClientSampleId :

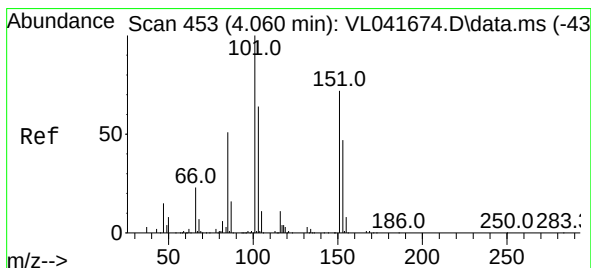
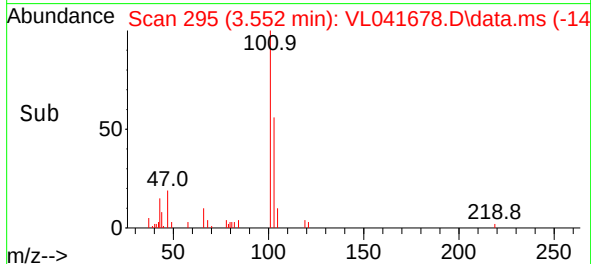
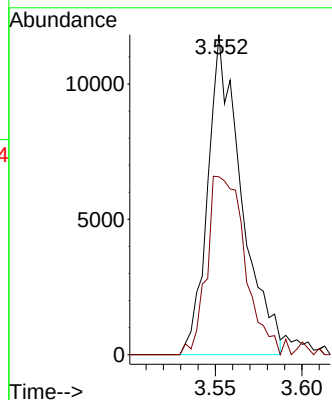
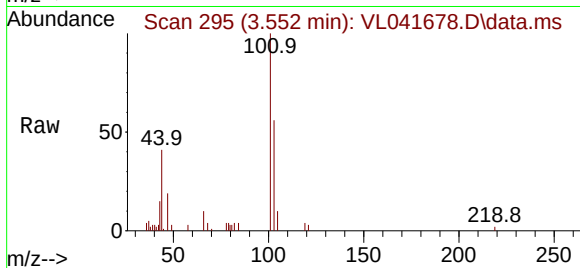
VSTDIC0.1

Tgt Ion:101 Resp: 15971

Ion Ratio Lower Upper

101 100

103 55.6 51.0 76.6



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.053 ppbv

RT: 4.060 min Scan# 453

Delta R.T. 0.000 min

Lab File: VL041678.D

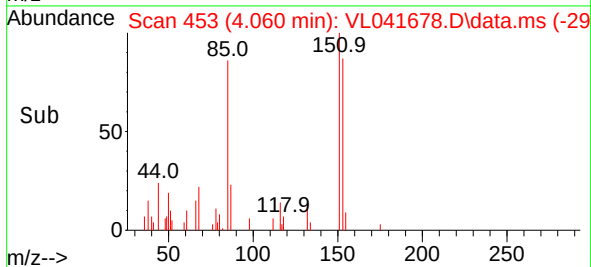
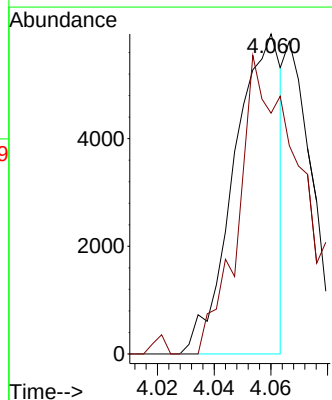
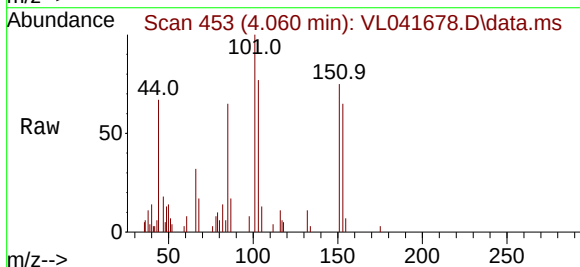
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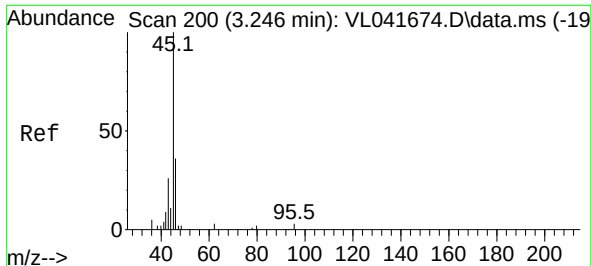
Tgt Ion:101 Resp: 6848

Ion Ratio Lower Upper

101 100

151 135.6 59.1 88.7#





#13

Ethanol

Concen: 0.051 ppbv

RT: 3.243 min Scan# 1

Delta R.T. -0.003 min

Lab File: VL041678.D

Acq: 7 Nov 2024 12:52

Instrument :

MSVOA_1

ClientSampleId :

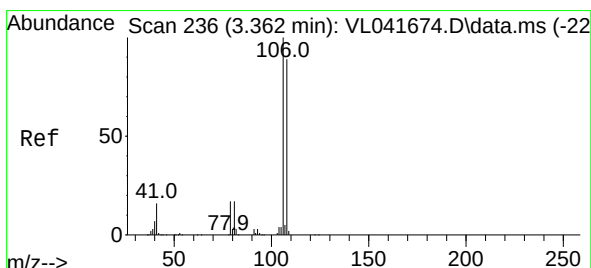
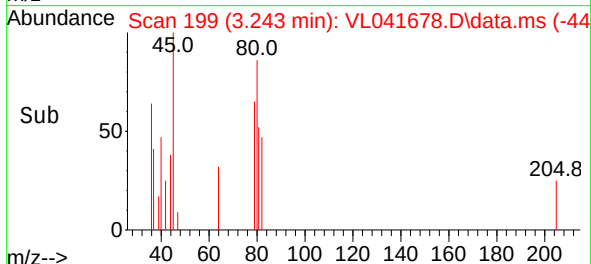
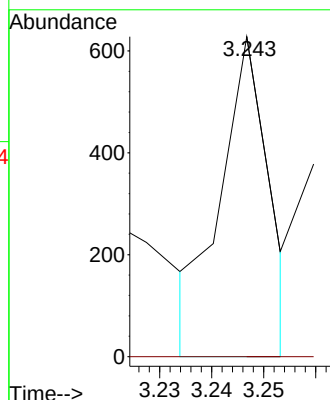
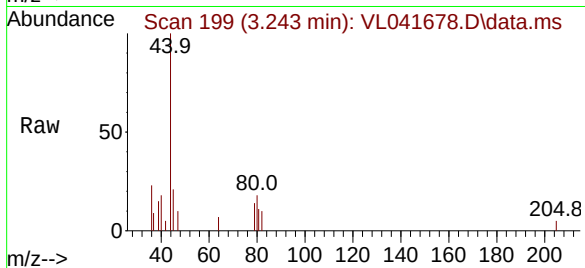
VSTDICC0.1

Tgt Ion: 45 Resp: 204

Ion Ratio Lower Upper

45 100

46 0.0 13.8 55.2#



#14

Bromoethene

Concen: 0.077 ppbv

RT: 3.362 min Scan# 236

Delta R.T. 0.000 min

Lab File: VL041678.D

Acq: 7 Nov 2024 12:52

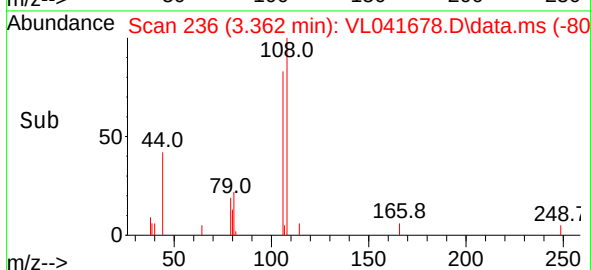
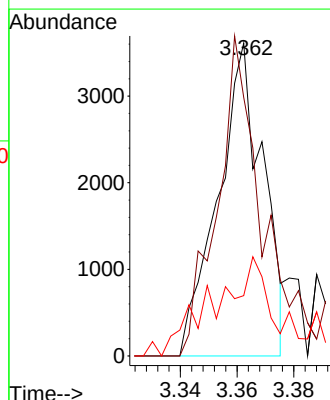
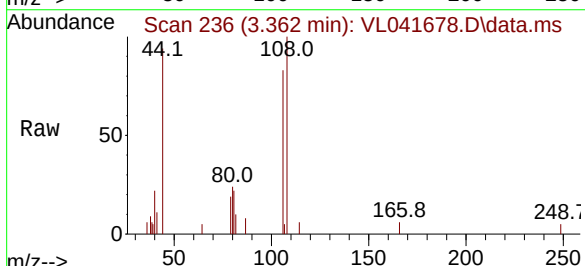
Tgt Ion:108 Resp: 3969

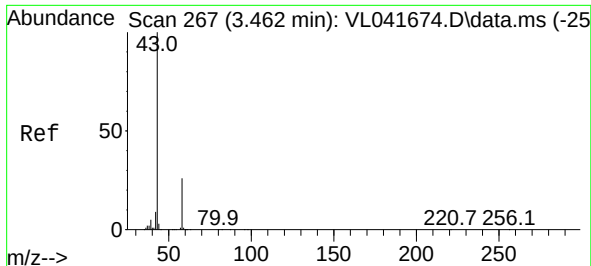
Ion Ratio Lower Upper

108 100

106 106.3 88.6 133.0

79 42.1 15.6 23.4#

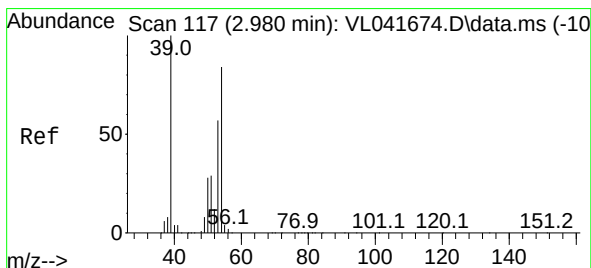
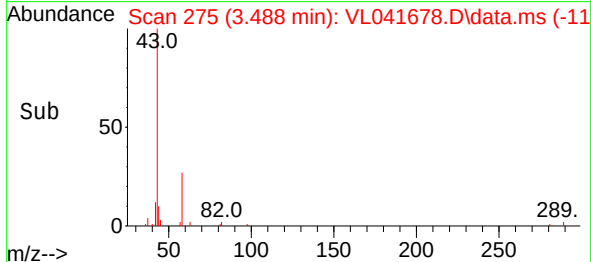
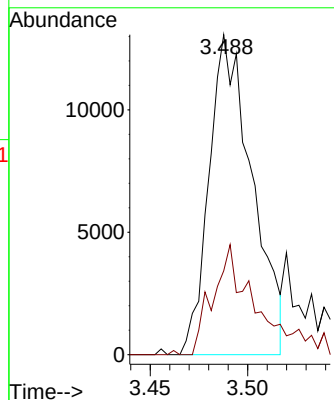
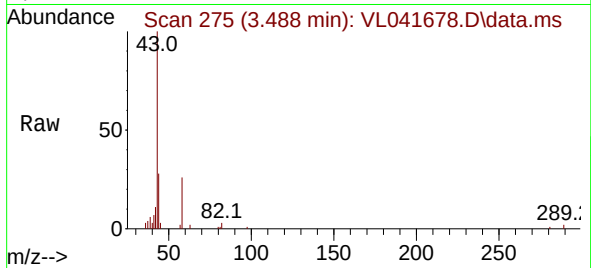




#15
Acetone
Concen: 0.145 ppbv
RT: 3.488 min Scan# 21
Delta R.T. 0.026 min
Lab File: VL041678.D
Acq: 7 Nov 2024 12:52

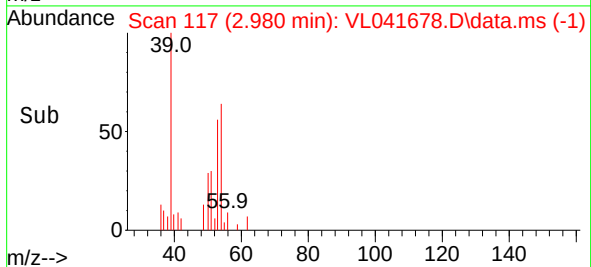
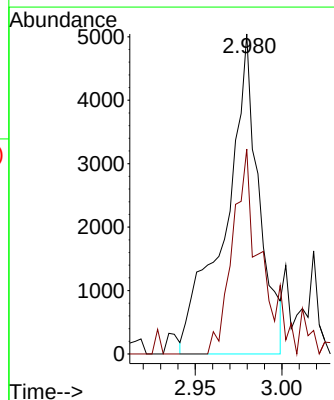
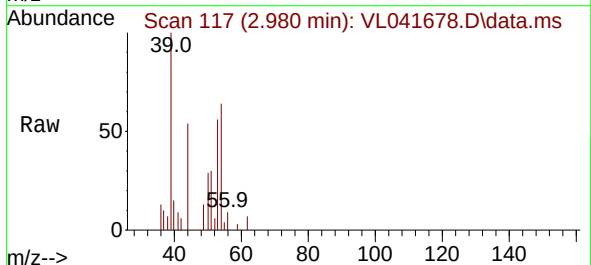
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

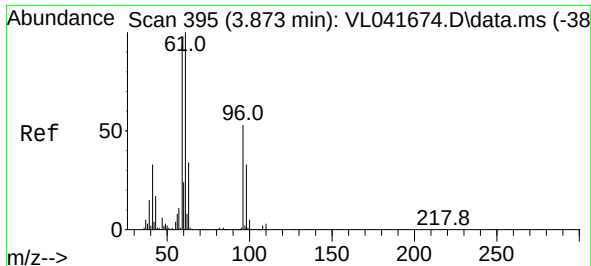
Tgt Ion: 43 Resp: 20040
Ion Ratio Lower Upper
43 100
58 36.4 21.4 32.0#



#16
1,3-Butadiene
Concen: 0.098 ppbv
RT: 2.980 min Scan# 117
Delta R.T. 0.000 min
Lab File: VL041678.D
Acq: 7 Nov 2024 12:52

Tgt Ion: 39 Resp: 6807
Ion Ratio Lower Upper
39 100
54 58.5 61.3 91.9#





#17

tert-Butyl alcohol

Concen: 0.039 ppbv

RT: 3.899 min Scan# 403

Delta R.T. 0.026 min

Lab File: VL041678.D

Acq: 7 Nov 2024 12:52

Instrument :

MSVOA_1

ClientSampleId :

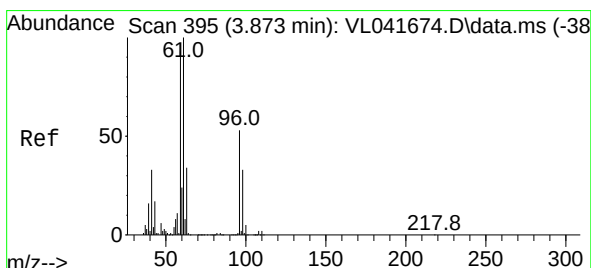
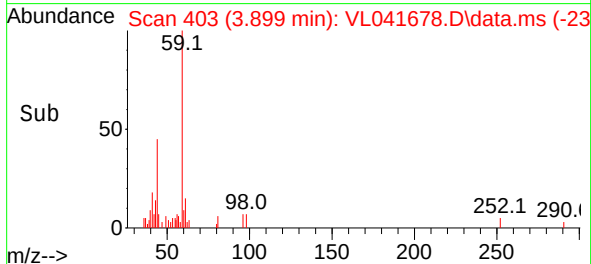
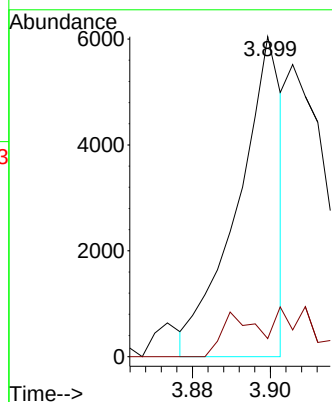
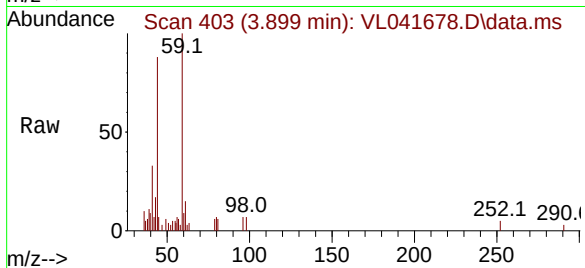
VSTDIC0.1

Tgt Ion: 59 Resp: 4770

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



#18

1,1-Dichloroethene

Concen: 0.093 ppbv

RT: 3.874 min Scan# 395

Delta R.T. 0.000 min

Lab File: VL041678.D

Acq: 7 Nov 2024 12:52

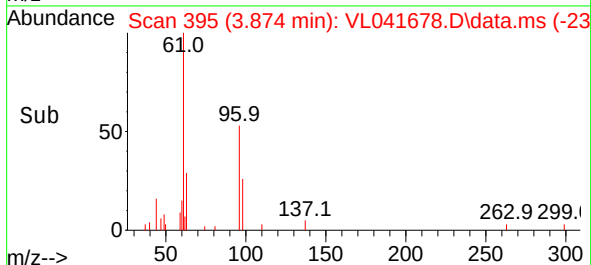
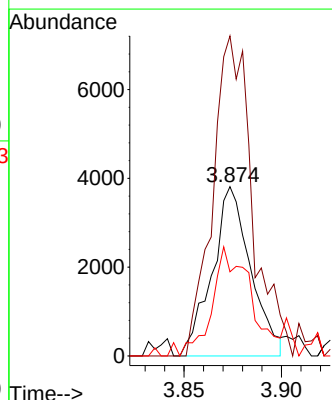
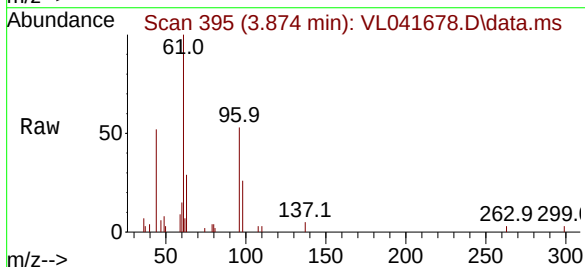
Tgt Ion: 96 Resp: 5246

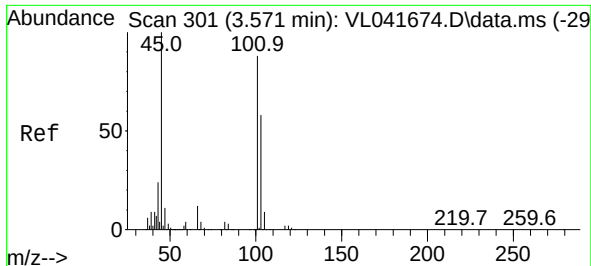
Ion Ratio Lower Upper

96 100

61 189.0 150.7 226.1

98 49.7 49.4 74.2





#19

Isopropyl Alcohol

Concen: 0.001 ppbv

RT: 3.555 min Scan# 20

Delta R.T. -0.016 min

Lab File: VL041678.D

Acq: 7 Nov 2024 12:52

Instrument :

MSVOA_1

ClientSampleId :

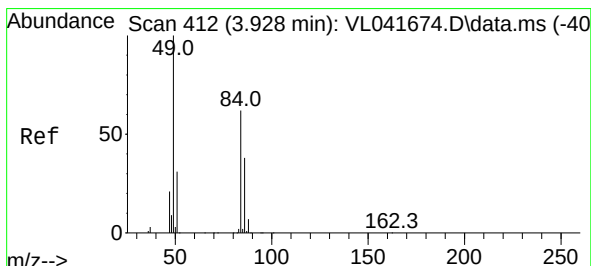
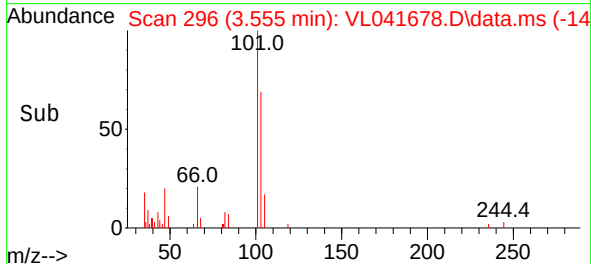
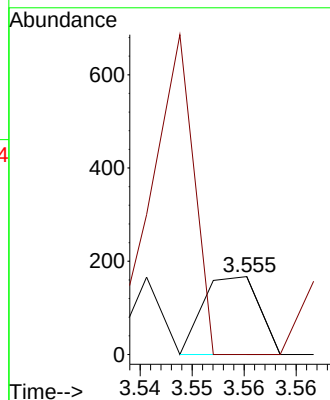
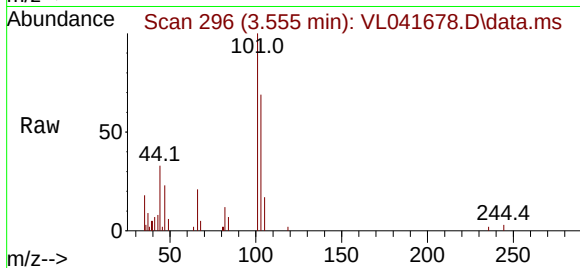
VSTDIC0.1

Tgt Ion: 45 Resp: 63

Ion Ratio Lower Upper

45 100

58 0.0 2.5 3.7#



#20

Methylene Chloride

Concen: 0.241 ppbv

RT: 3.925 min Scan# 411

Delta R.T. -0.003 min

Lab File: VL041678.D

Acq: 7 Nov 2024 12:52

Tgt Ion: 84 Resp: 12266

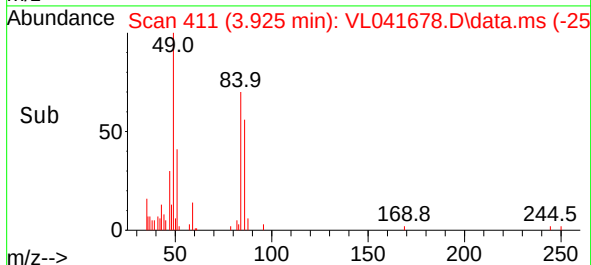
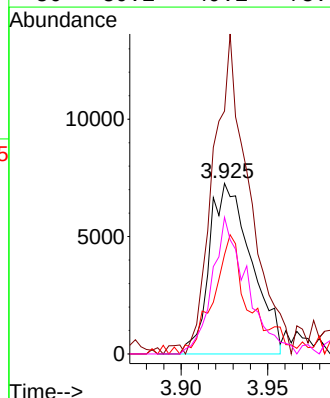
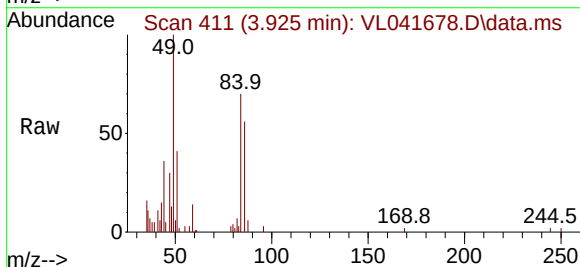
Ion Ratio Lower Upper

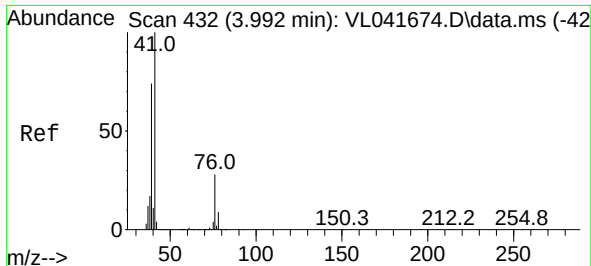
84 100

49 137.2 129.7 194.5

51 58.2 39.8 59.6

86 80.1 49.1 73.7#





#21

Allyl Chloride

Concen: 0.088 ppbv

RT: 3.993 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041678.D

Acq: 7 Nov 2024 12:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

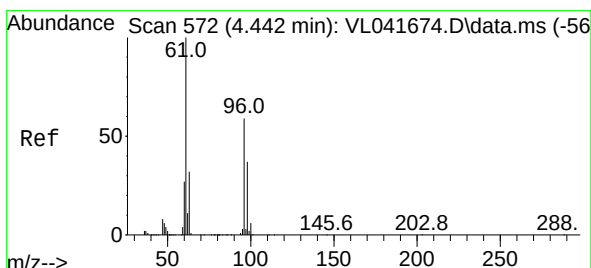
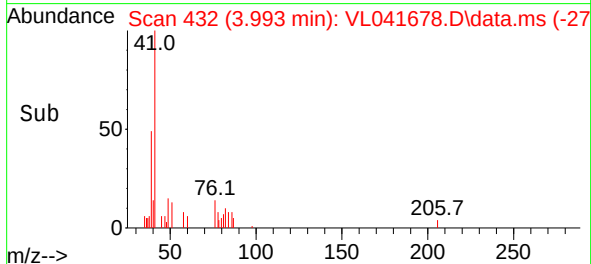
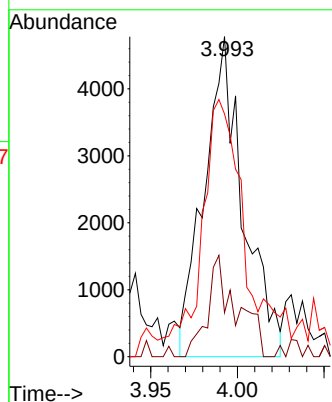
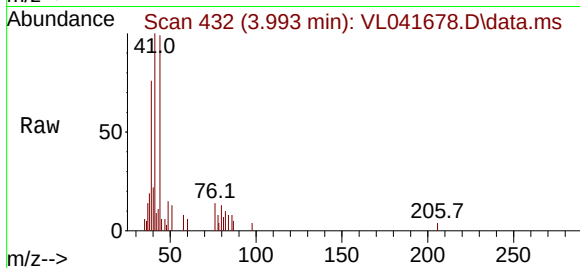
Tgt Ion: 41 Resp: 7496

Ion Ratio Lower Upper

41 100

76 26.0 23.5 35.3

39 101.7 63.0 94.4#



#22

trans-1,2-Dichloroethene

Concen: 0.041 ppbv

RT: 4.439 min Scan# 571

Delta R.T. -0.003 min

Lab File: VL041678.D

Acq: 7 Nov 2024 12:52

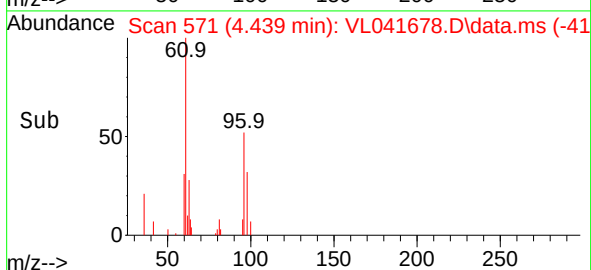
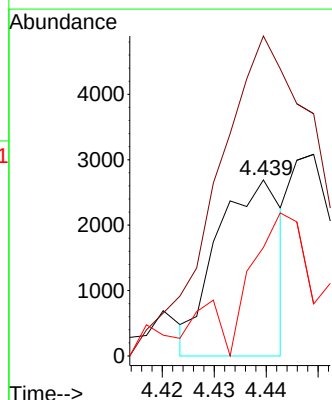
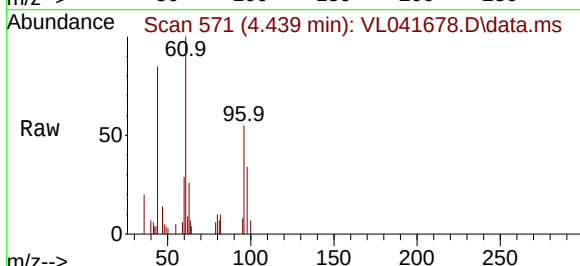
Tgt Ion: 96 Resp: 2308

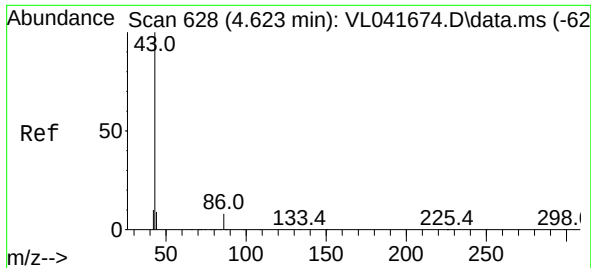
Ion Ratio Lower Upper

96 100

61 179.9 134.5 201.7

98 62.8 49.6 74.4

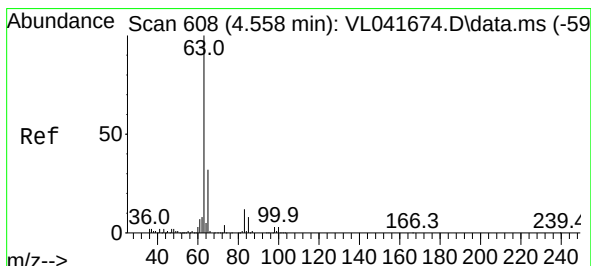
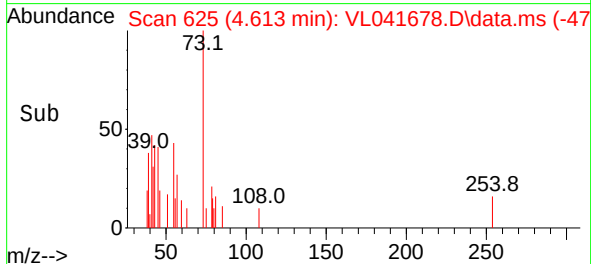
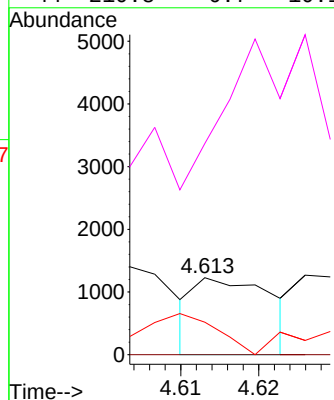
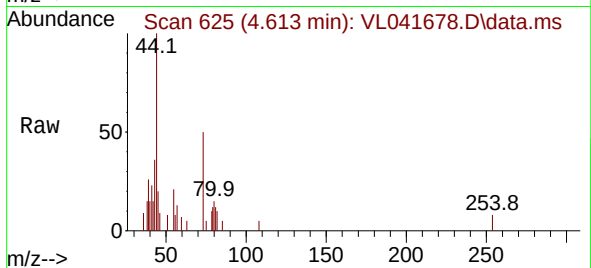




#23
Vinyl Acetate
Concen: 0.013 ppbv
RT: 4.613 min Scan# 61
Delta R.T. -0.009 min
Lab File: VL041678.D
Acq: 7 Nov 2024 12:52

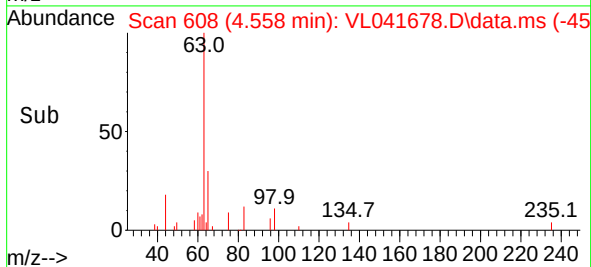
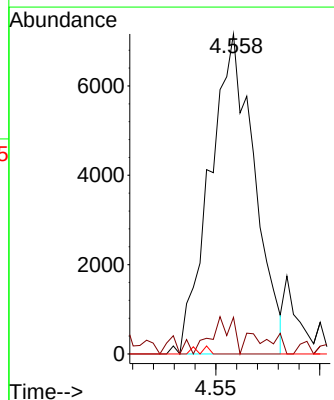
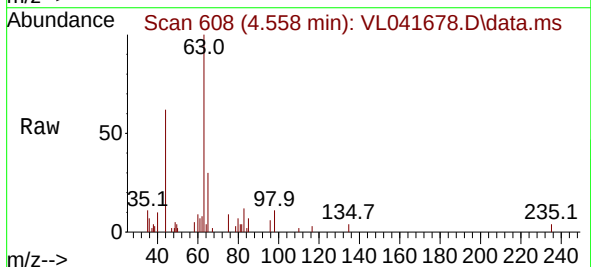
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

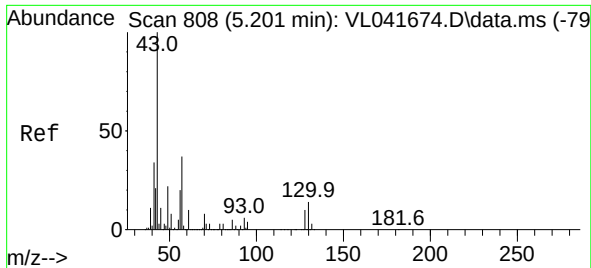
Tgt Ion:	43	Resp:	837
Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.3	7.9#
42	45.0	8.5	12.7#
44	210.8	6.7	10.1#



#24
1,1-Dichloroethane
Concen: 0.085 ppbv
RT: 4.558 min Scan# 608
Delta R.T. 0.000 min
Lab File: VL041678.D
Acq: 7 Nov 2024 12:52

Tgt Ion:	63	Resp:	10607
Ion	Ratio	Lower	Upper
63	100		
98	11.4	1.8	5.4#
100	0.0	1.4	4.2#

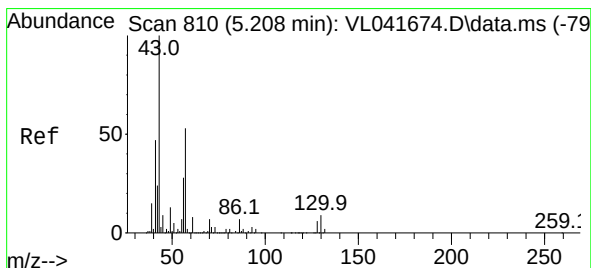
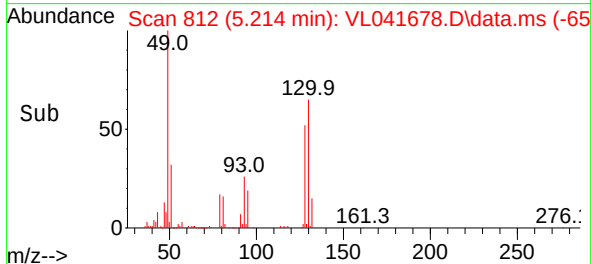
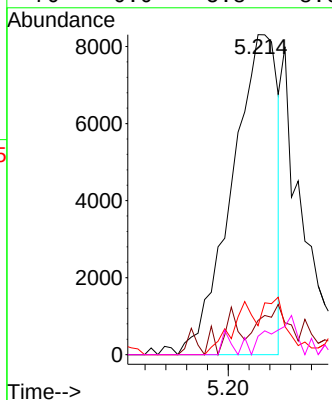
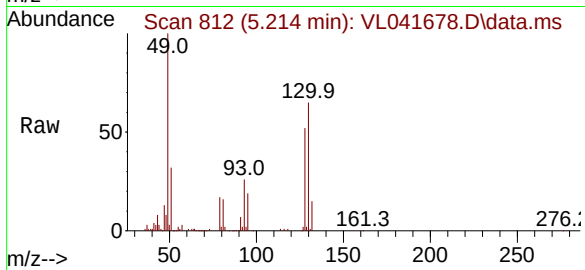




#25
Ethyl Acetate
Concen: 0.044 ppbv
RT: 5.214 min Scan# 812
Delta R.T. 0.013 min
Lab File: VL041678.D
Acq: 7 Nov 2024 12:52

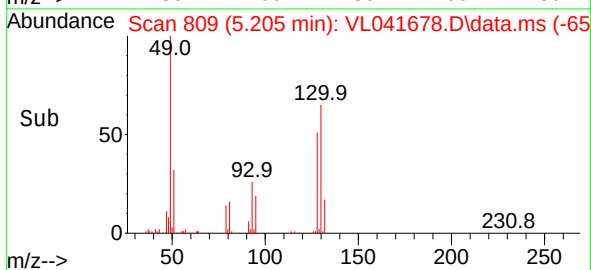
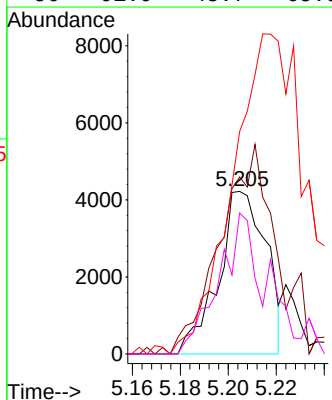
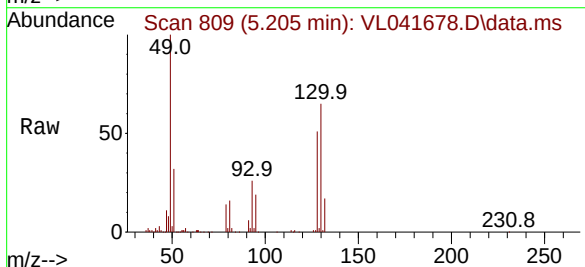
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

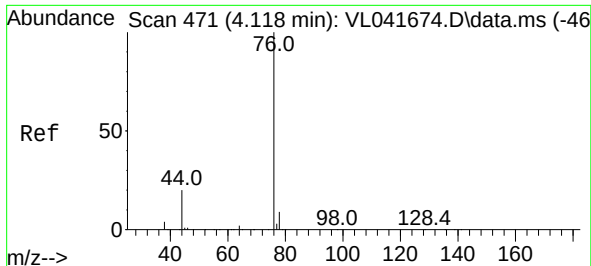
Tgt Ion: 43	Resp: 12615
Ion Ratio	Lower Upper
43 100	
45 0.0	8.6 13.0#
61 2.0	8.4 12.6#
70 0.0	5.8 8.6#



#26
Hexane
Concen: 0.053 ppbv
RT: 5.205 min Scan# 809
Delta R.T. -0.003 min
Lab File: VL041678.D
Acq: 7 Nov 2024 12:52

Tgt	Ion: 57	Resp:	5831
Ion	Ratio	Lower	Upper
57	100		
41	166.4	76.1	114.1#
43	351.6	207.0	310.6#
56	91.9	43.7	65.5#





#27

Carbon Disulfide

Concen: 0.058 ppbv

RT: 4.124 min Scan# 41

Delta R.T. 0.007 min

Lab File: VL041678.D

Acq: 7 Nov 2024 12:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.1

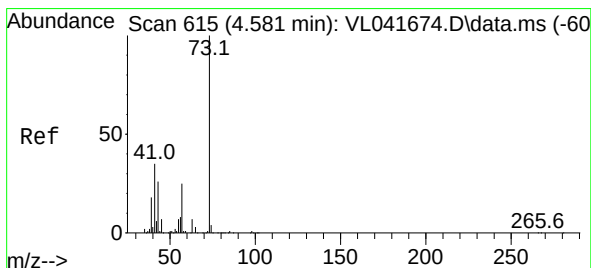
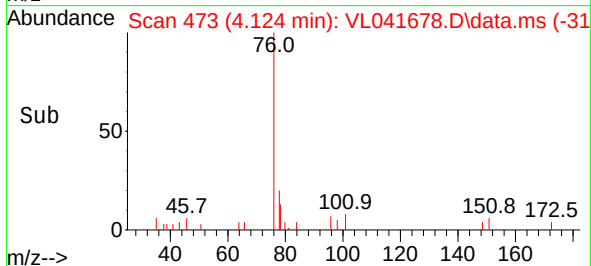
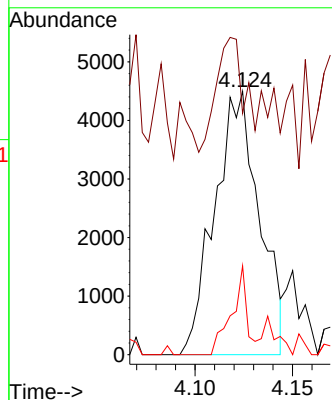
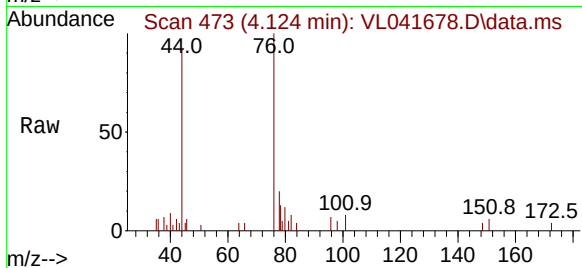
Tgt Ion: 76 Resp: 7166

Ion Ratio Lower Upper

76 100

44 89.2 15.8 23.8#

78 17.5 7.5 11.3#



#28

Methyl tert-Butyl Ether

Concen: 0.011 ppbv

RT: 4.584 min Scan# 616

Delta R.T. 0.003 min

Lab File: VL041678.D

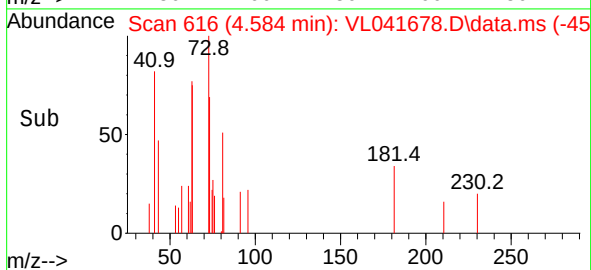
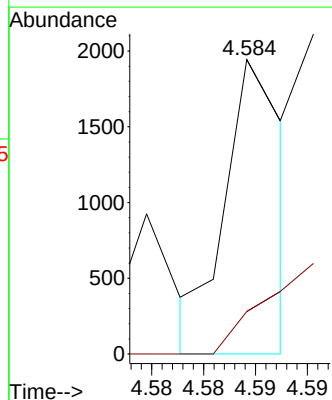
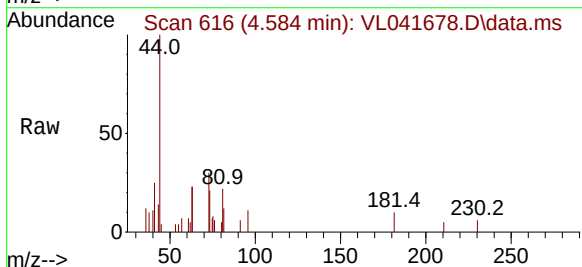
Acq: 7 Nov 2024 12:52

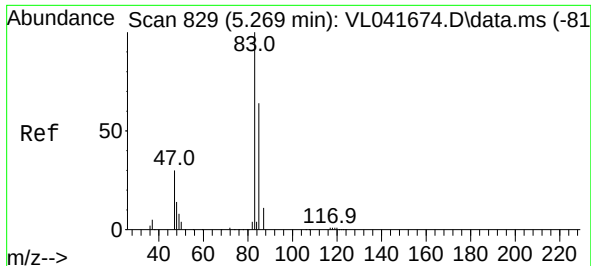
Tgt Ion: 73 Resp: 768

Ion Ratio Lower Upper

73 100

57 0.0 19.6 29.4#





#29

Chloroform

Concen: 0.086 ppbv

RT: 5.266 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL041678.D

Acq: 7 Nov 2024 12:52

Instrument :

MSVOA_1

ClientSampleId :

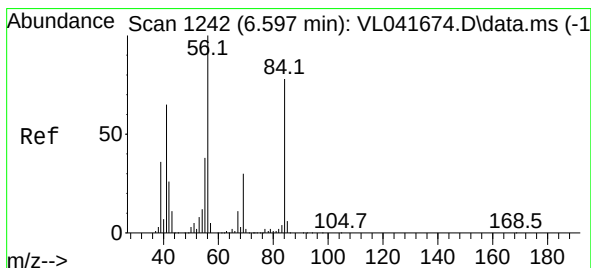
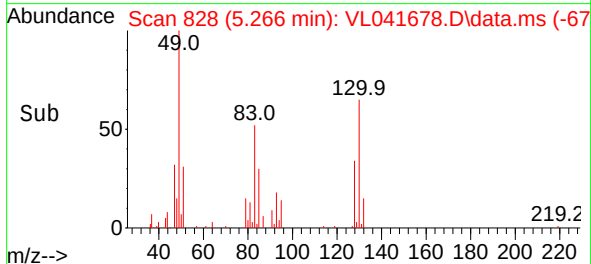
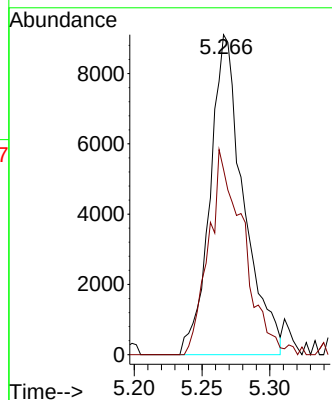
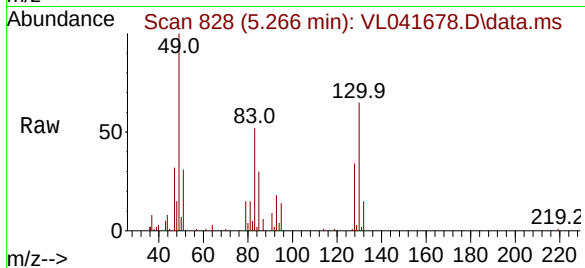
VSTDIC0.1

Tgt Ion: 83 Resp: 15654

Ion Ratio Lower Upper

83 100

85 57.9 51.1 76.7



#30

Cyclohexane

Concen: 0.018 ppbv

RT: 6.594 min Scan# 1241

Delta R.T. -0.003 min

Lab File: VL041678.D

Acq: 7 Nov 2024 12:52

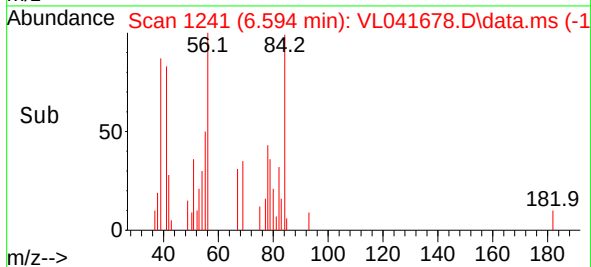
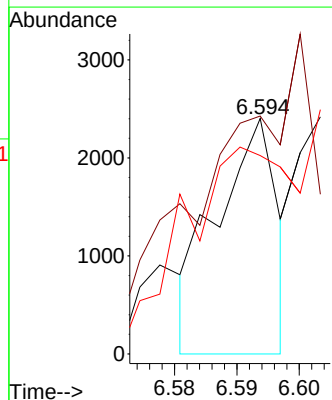
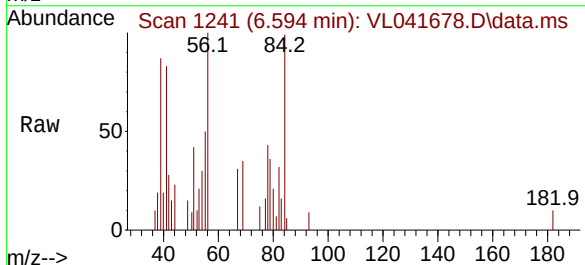
Tgt Ion: 84 Resp: 1619

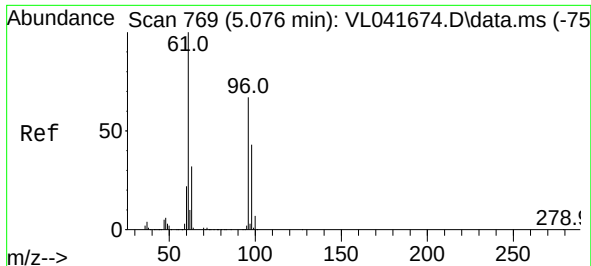
Ion Ratio Lower Upper

84 100

56 0.0 110.8 166.2#

41 0.0 70.0 105.0#





#31

cis-1,2-Dichloroethene

Concen: 0.043 ppbv

RT: 5.076 min Scan# 7

Delta R.T. 0.000 min

Lab File: VL041678.D

Acq: 7 Nov 2024 12:52

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

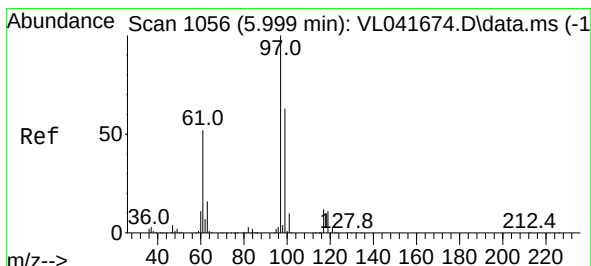
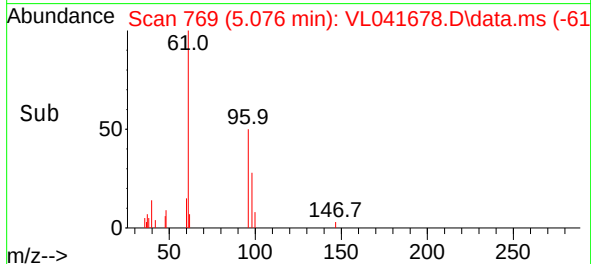
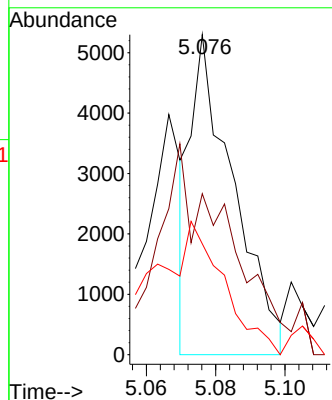
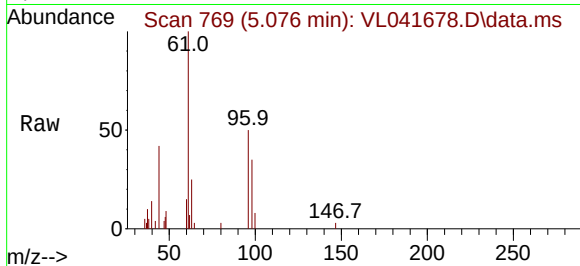
Tgt Ion: 61 Resp: 4534

Ion Ratio Lower Upper

61 100

96 43.4 53.4 80.2#

98 37.4 34.0 51.0



#32

1,1,1-Trichloroethane

Concen: 0.043 ppbv

RT: 6.002 min Scan# 1057

Delta R.T. 0.003 min

Lab File: VL041678.D

Acq: 7 Nov 2024 12:52

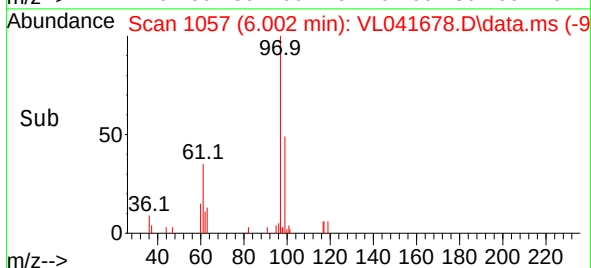
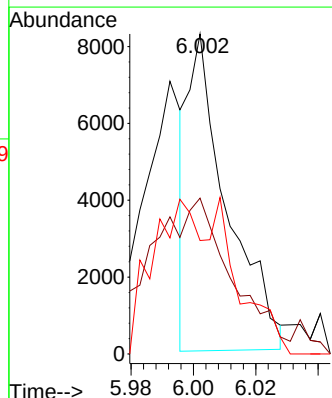
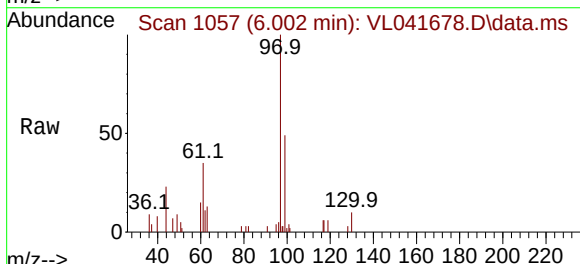
Tgt Ion: 97 Resp: 7181

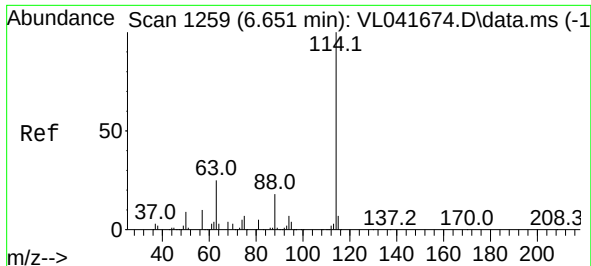
Ion Ratio Lower Upper

97 100

99 118.7 51.4 77.2#

61 103.6 41.7 62.5#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.648 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL041678.D

Acq: 7 Nov 2024 12:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

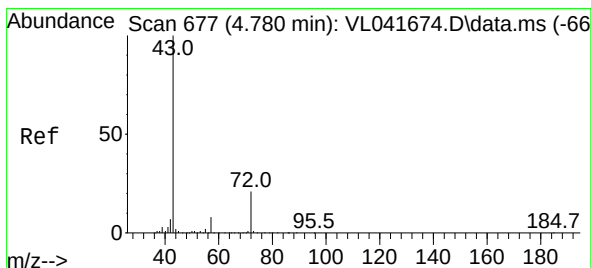
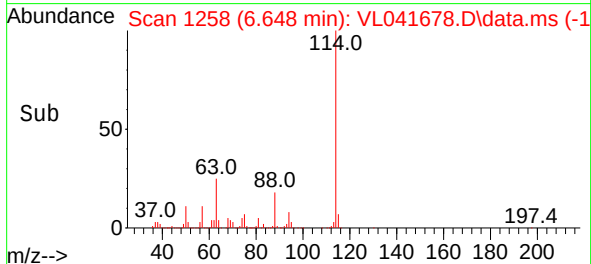
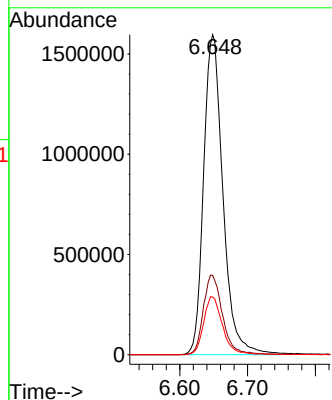
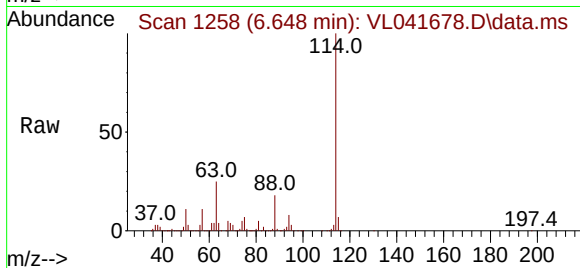
Tgt Ion:114 Resp: 3159589

Ion Ratio Lower Upper

114 100

63 25.0 20.3 30.5

88 17.8 14.2 21.4



#34

2-Butanone

Concen: 0.014 ppbv

RT: 4.793 min Scan# 681

Delta R.T. 0.013 min

Lab File: VL041678.D

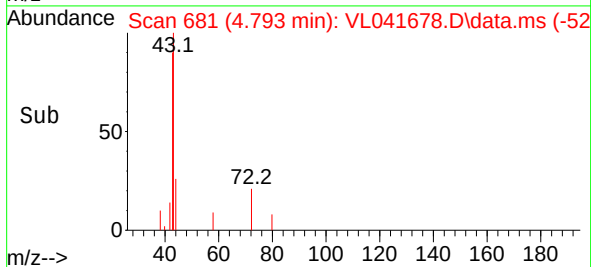
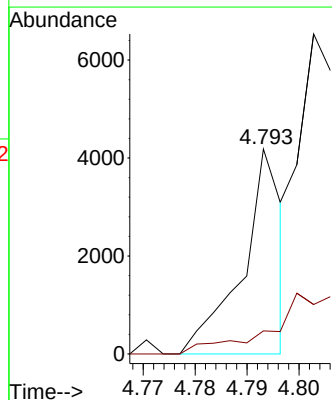
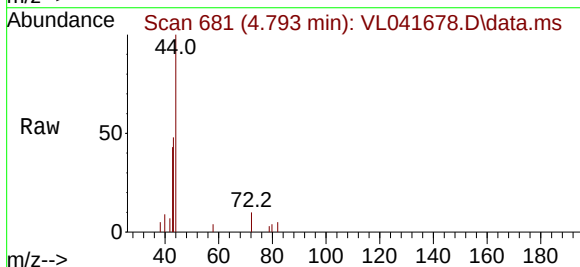
Acq: 7 Nov 2024 12:52

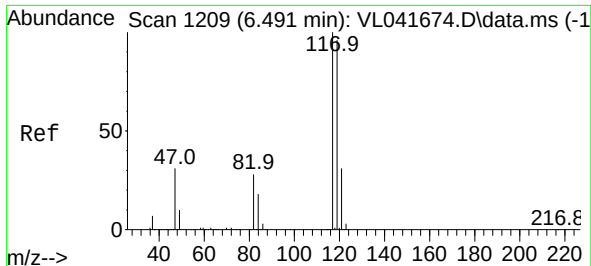
Tgt Ion: 43 Resp: 2207

Ion Ratio Lower Upper

43 100

72 0.0 17.4 26.0#

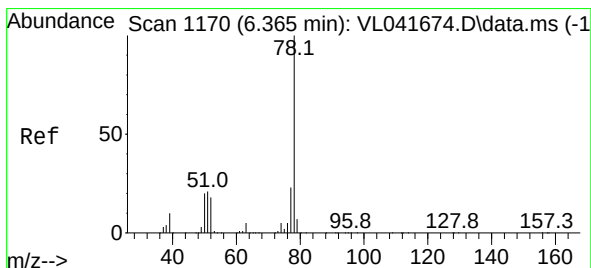
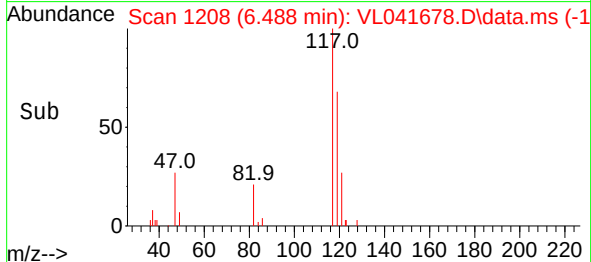
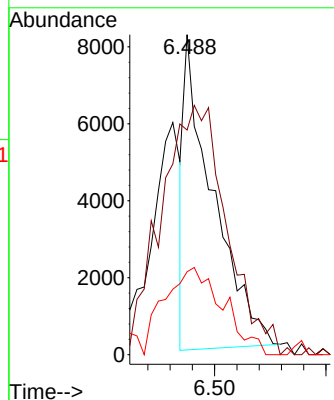
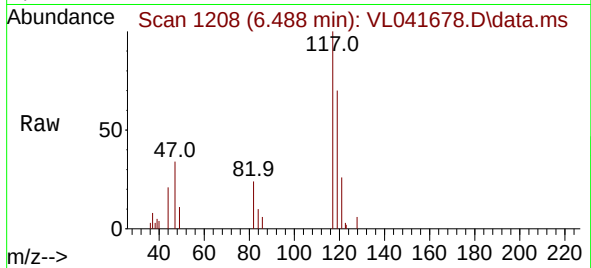




#35
Carbon Tetrachloride
Concen: 0.044 ppbv
RT: 6.488 min Scan# 1169
Delta R.T. -0.003 min
Lab File: VL041678.D
Acq: 7 Nov 2024 12:52

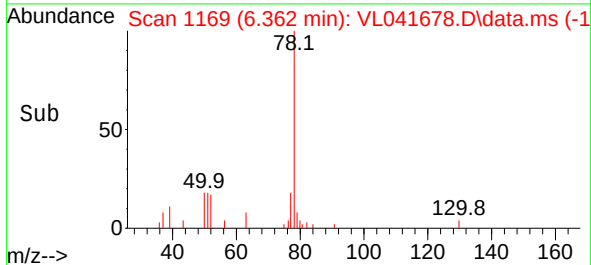
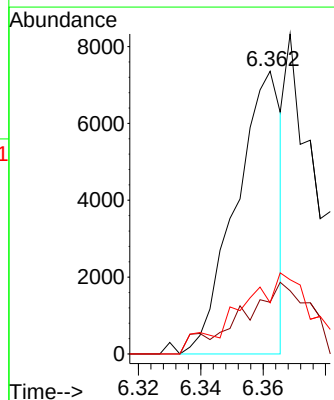
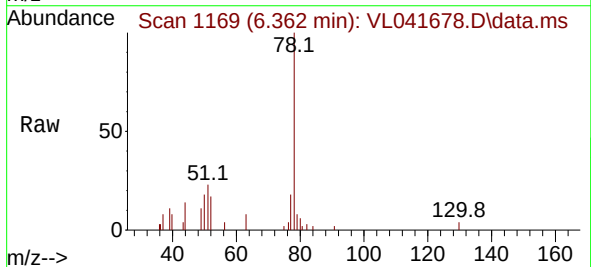
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

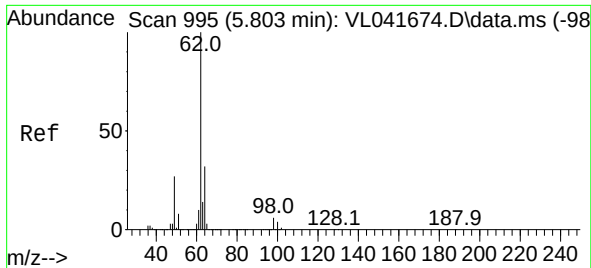
Tgt Ion:117 Resp: 7302
Ion Ratio Lower Upper
117 100
119 72.6 77.2 115.8#
121 26.8 25.0 37.4



#36
Benzene
Concen: 0.032 ppbv
RT: 6.362 min Scan# 1169
Delta R.T. -0.003 min
Lab File: VL041678.D
Acq: 7 Nov 2024 12:52

Tgt Ion: 78 Resp: 7427
Ion Ratio Lower Upper
78 100
77 18.3 18.5 27.7#
50 18.1 15.6 23.4





#37

1,2-Dichloroethane

Concen: 0.067 ppbv

RT: 5.806 min Scan# 995

Delta R.T. 0.003 min

Lab File: VL041678.D

Acq: 7 Nov 2024 12:52

Instrument :

MSVOA_1

ClientSampleId :

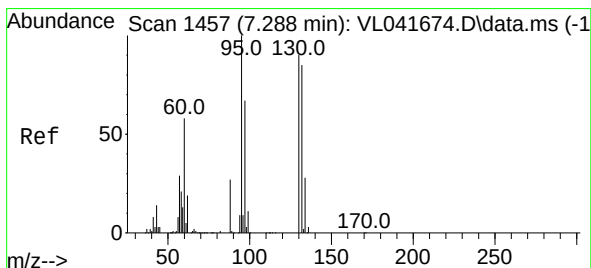
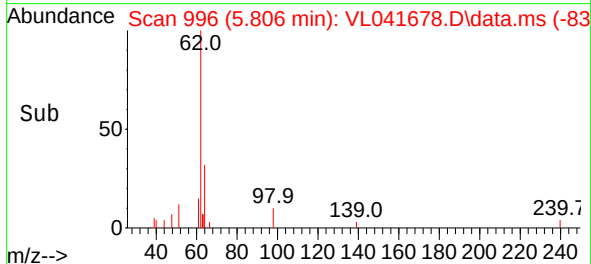
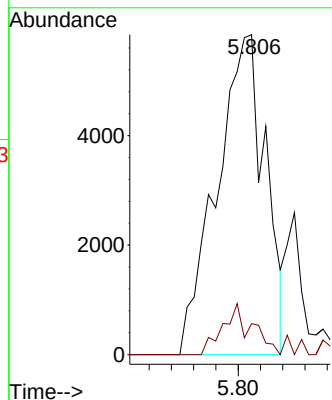
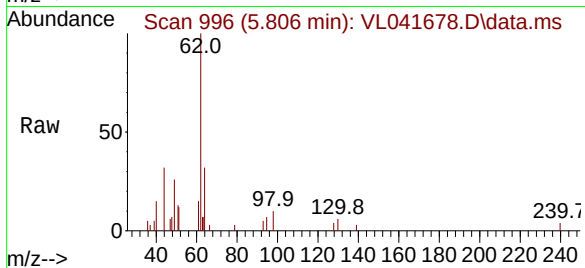
VSTDIC0.1

Tgt Ion: 62 Resp: 8849

Ion Ratio Lower Upper

62 100

98 12.0 5.2 7.8#



#38

Trichloroethene

Concen: 0.037 ppbv

RT: 7.282 min Scan# 1455

Delta R.T. -0.006 min

Lab File: VL041678.D

Acq: 7 Nov 2024 12:52

Tgt Ion:130 Resp: 3343

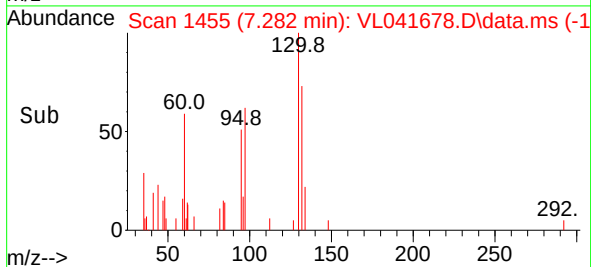
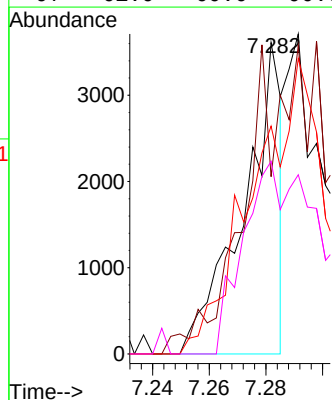
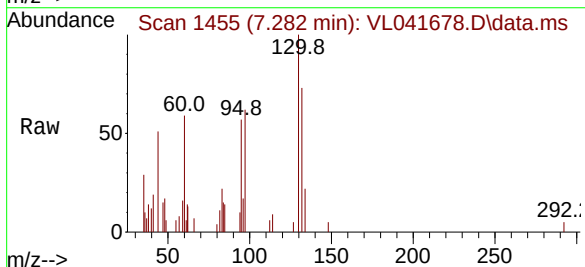
Ion Ratio Lower Upper

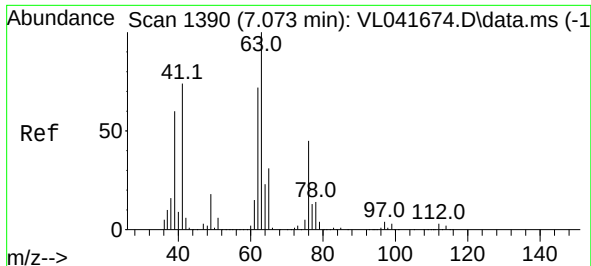
130 100

95 50.5 89.1 133.7#

132 73.2 75.7 113.5#

97 61.9 60.0 90.0





#39

1,2-Dichloropropane

Concen: 8.383 ppbv

RT: 6.645 min Scan# 11

Delta R.T. -0.427 min

Lab File: VL041678.D

Acq: 7 Nov 2024 12:52

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

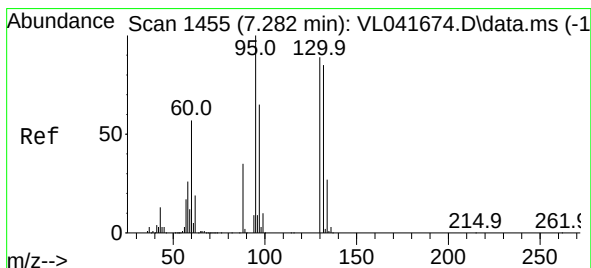
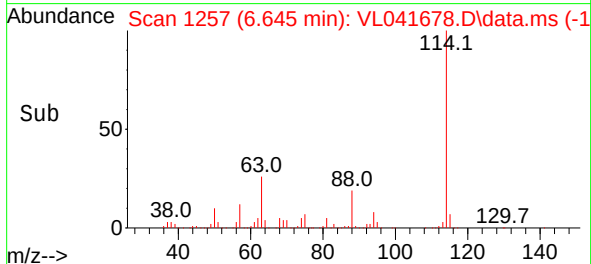
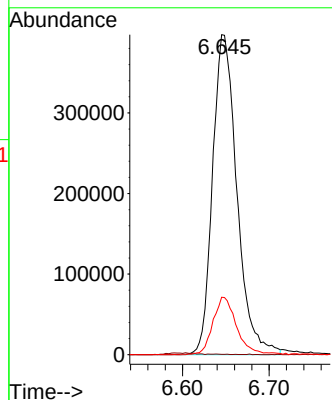
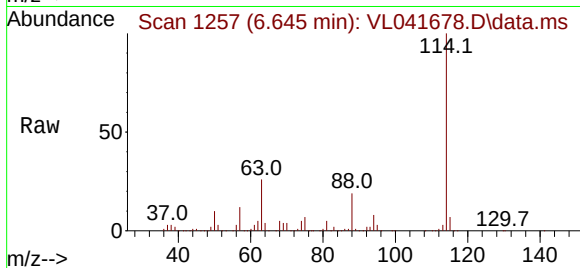
Tgt Ion: 63 Resp: 775538

Ion Ratio Lower Upper

63 100

41 0.1 59.1 88.7#

62 17.9 57.7 86.5#



#40

1,4-Dioxane

Concen: 0.001 ppbv

RT: 7.275 min Scan# 1453

Delta R.T. -0.006 min

Lab File: VL041678.D

Acq: 7 Nov 2024 12:52

Tgt Ion: 88 Resp: 38

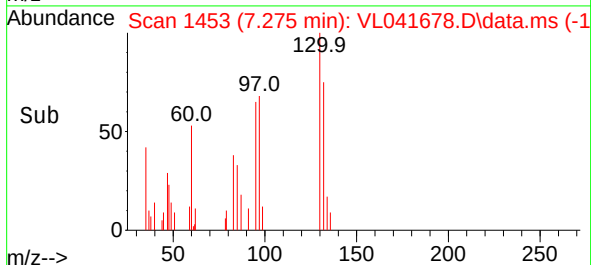
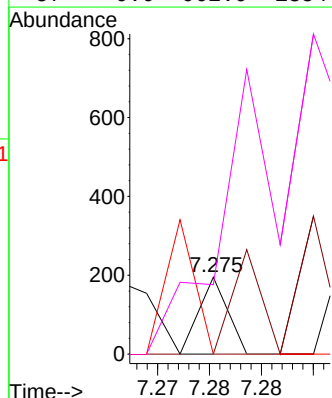
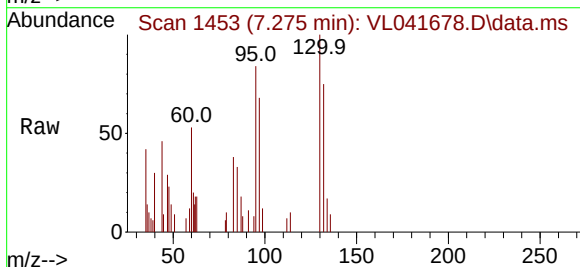
Ion Ratio Lower Upper

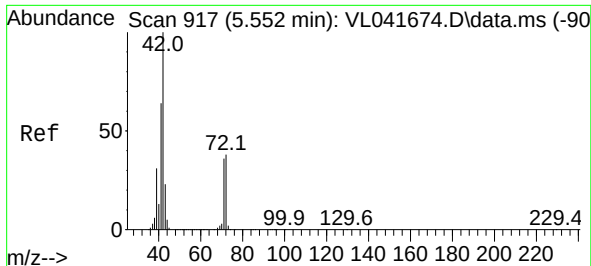
88 100

58 0.0 101.4 152.2#

43 0.0 208.0 312.0#

57 0.0 902.9 1354.3#





#41

Tetrahydrofuran

Concen: 0.029 ppbv

RT: 5.587 min Scan# 917

Delta R.T. 0.036 min

Lab File: VL041678.D

Acq: 7 Nov 2024 12:52

Instrument :

MSVOA_1

ClientSampleId :

VSTDICC0.1

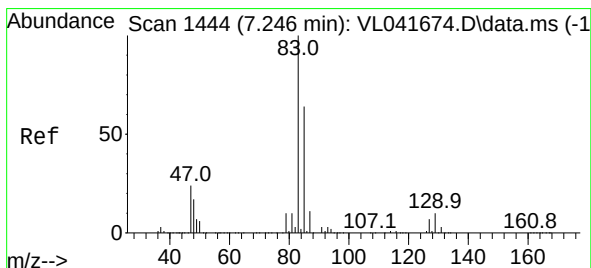
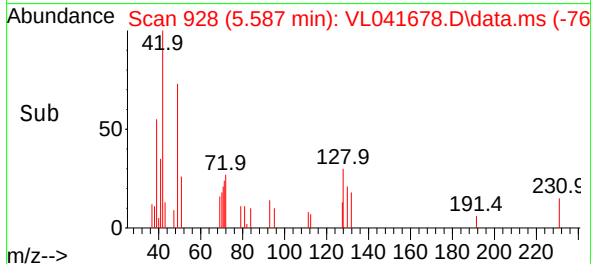
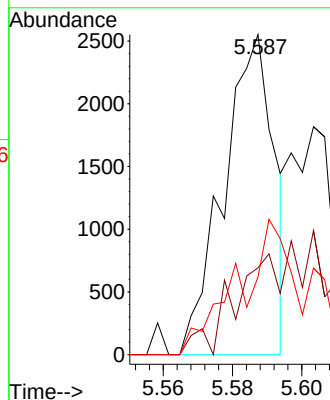
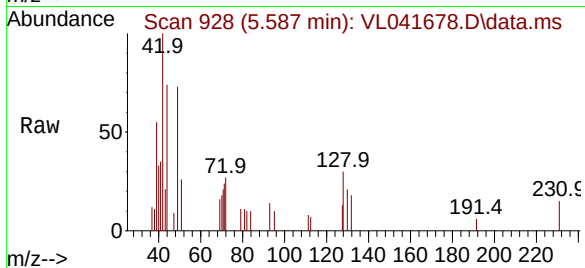
Tgt Ion: 42 Resp: 2579

Ion Ratio Lower Upper

42 100

72 0.0 29.8 44.6#

71 56.5 29.4 44.2#



#42

Bromodichloromethane

Concen: 0.044 ppbv

RT: 7.246 min Scan# 1444

Delta R.T. 0.000 min

Lab File: VL041678.D

Acq: 7 Nov 2024 12:52

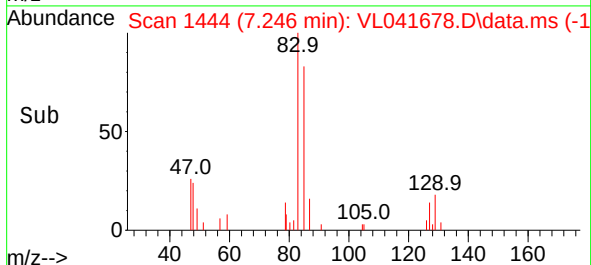
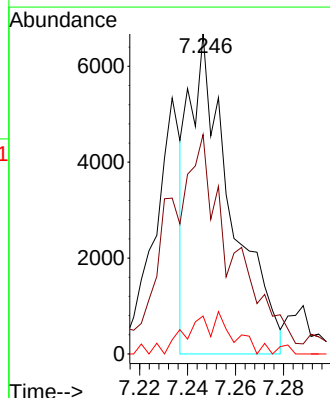
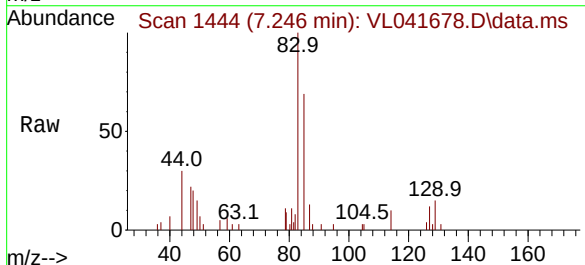
Tgt Ion: 83 Resp: 8093

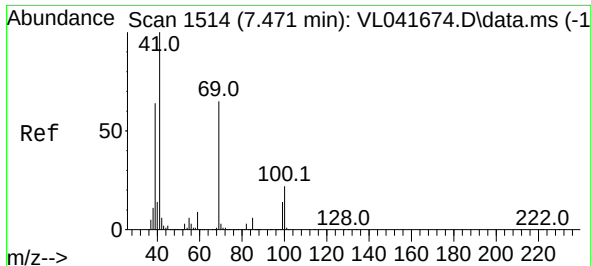
Ion Ratio Lower Upper

83 100

85 60.9 51.2 76.8

127 10.3 6.0 9.0#





#43

Methyl Methacrylate

Concen: 0.006 ppbv

RT: 7.468 min Scan# 1513

Delta R.T. -0.003 min

Lab File: VL041678.D

Acq: 7 Nov 2024 12:52

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

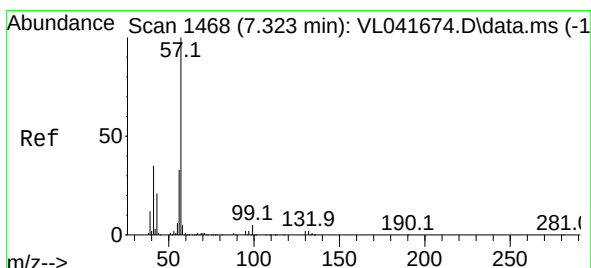
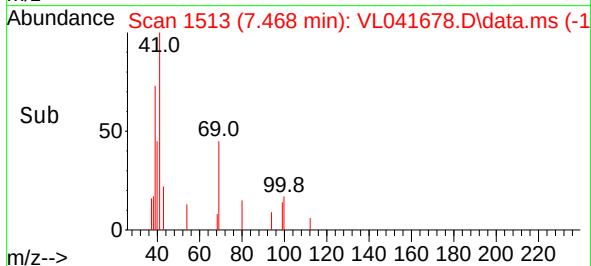
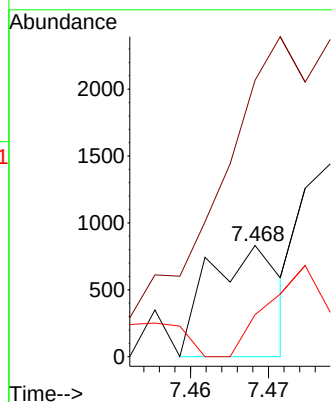
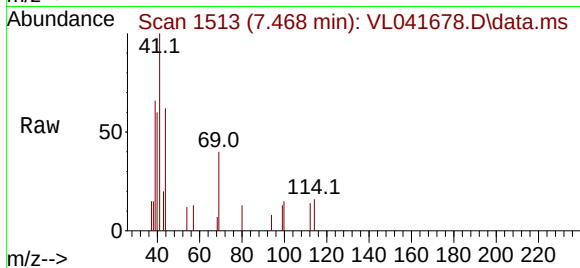
Tgt Ion: 69 Resp: 525

Ion Ratio Lower Upper

69 100

41 0.0 119.8 179.6#

100 0.0 27.3 40.9#



#44

2,2,4-Trimethylpentane

Concen: 0.007 ppbv

RT: 7.320 min Scan# 1467

Delta R.T. -0.003 min

Lab File: VL041678.D

Acq: 7 Nov 2024 12:52

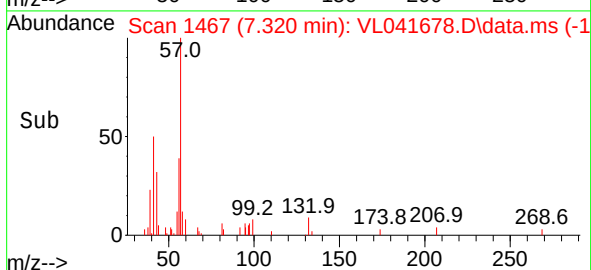
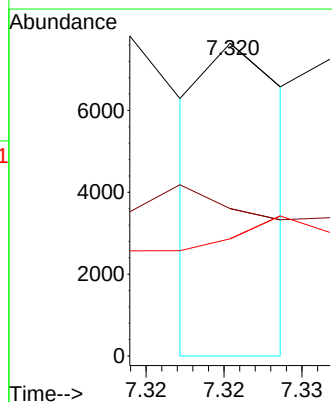
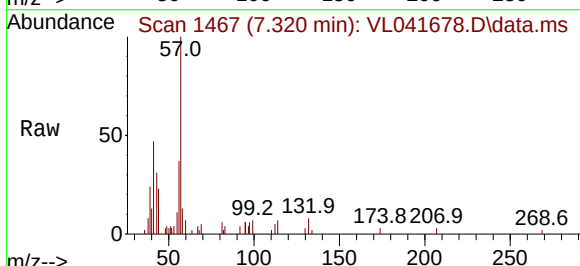
Tgt Ion: 57 Resp: 2744

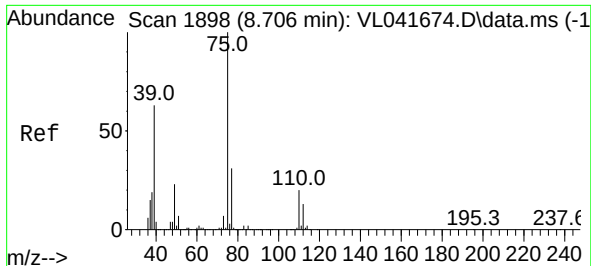
Ion Ratio Lower Upper

57 100

41 371.7 27.0 40.6#

56 0.0 25.8 38.6#





#45

t-1,3-Dichloropropene

Concen: 0.007 ppbv

RT: 8.693 min Scan# 11

Delta R.T. -0.013 min

Lab File: VL041678.D

Acq: 7 Nov 2024 12:52

Instrument :

MSVOA_1

ClientSampleId :

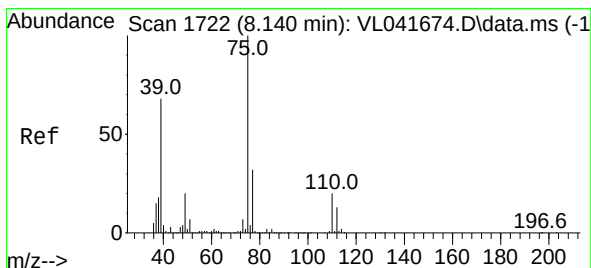
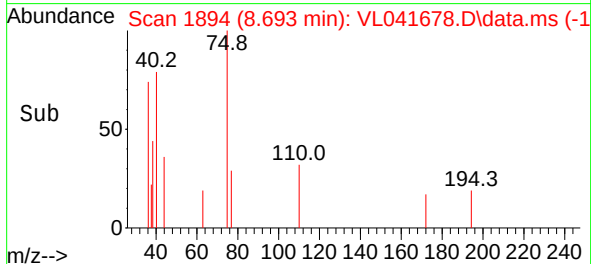
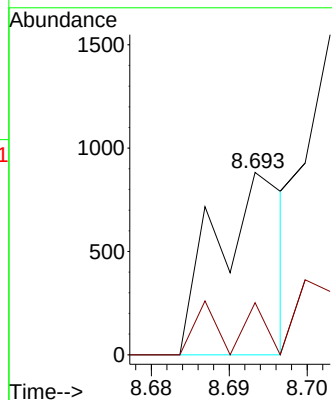
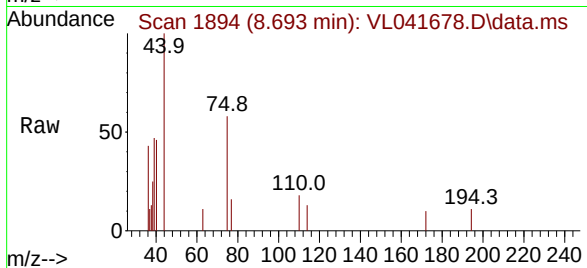
VSTDIC0.1

Tgt Ion: 75 Resp: 538

Ion Ratio Lower Upper

75 100

77 28.6 24.7 37.1



#46

cis-1,3-Dichloropropene

Concen: 0.010 ppbv

RT: 8.140 min Scan# 1722

Delta R.T. 0.000 min

Lab File: VL041678.D

Acq: 7 Nov 2024 12:52

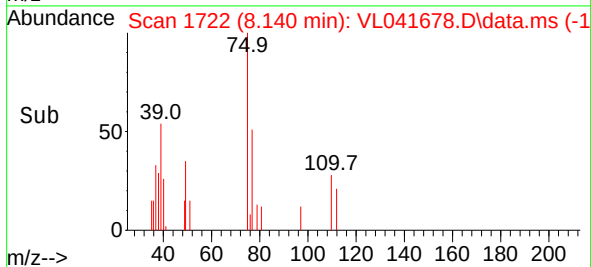
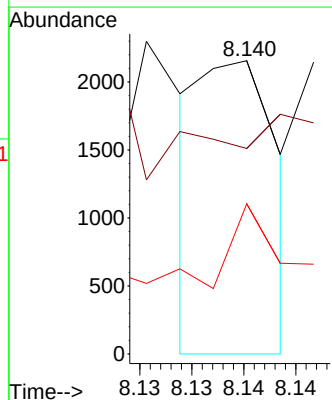
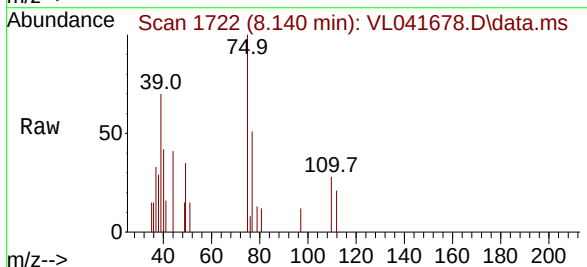
Tgt Ion: 75 Resp: 1104

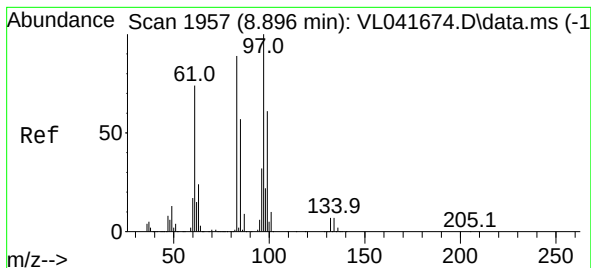
Ion Ratio Lower Upper

75 100

39 0.0 54.1 81.1#

77 69.4 25.3 37.9#





#47

1,1,2-Trichloroethane

Concen: 0.030 ppbv

RT: 8.889 min Scan# 1955

Delta R.T. -0.006 min

Lab File: VL041678.D

Acq: 7 Nov 2024 12:52

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

Tgt Ion: 97 Resp: 2963

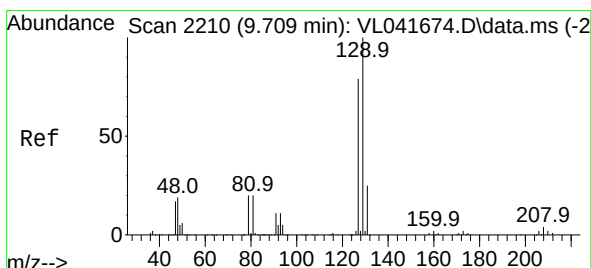
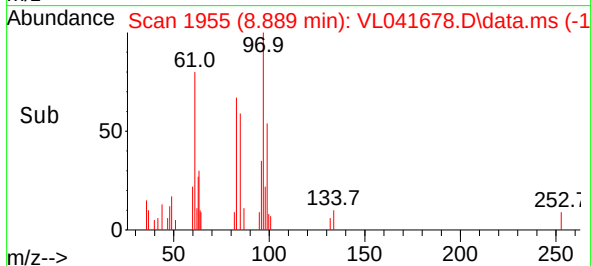
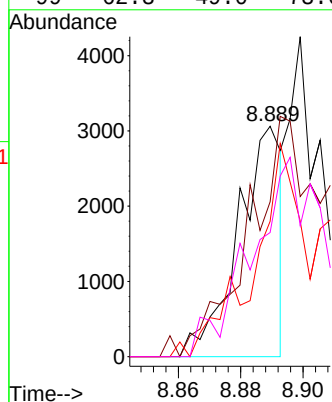
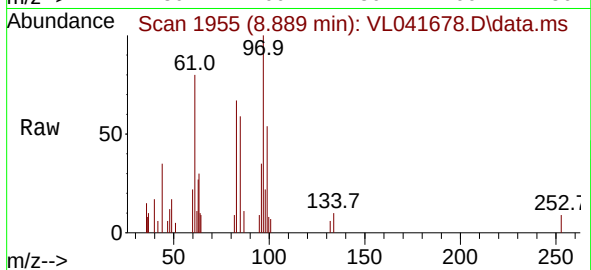
Ion Ratio Lower Upper

97 100

83 67.2 71.0 106.6#

85 52.4 45.4 68.2

99 62.3 49.0 73.6



#48

Dibromochloromethane

Concen: 0.008 ppbv

RT: 9.706 min Scan# 2209

Delta R.T. -0.003 min

Lab File: VL041678.D

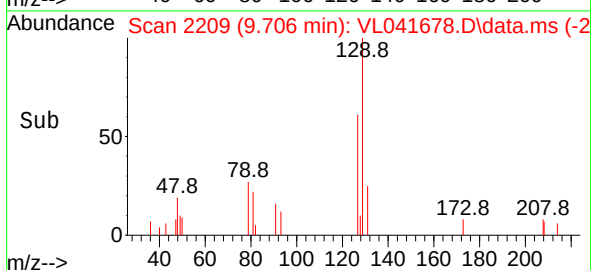
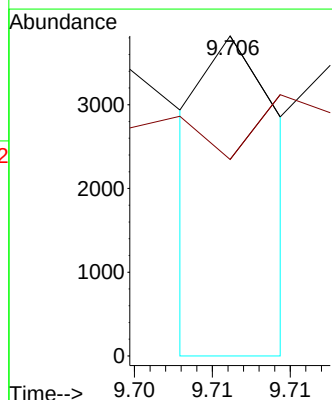
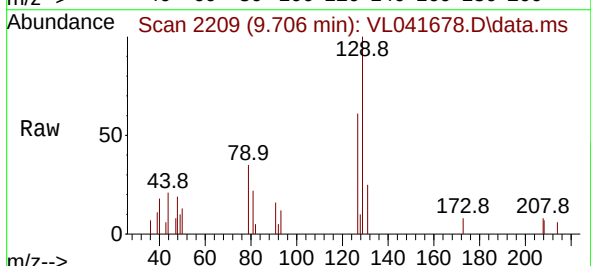
Acq: 7 Nov 2024 12:52

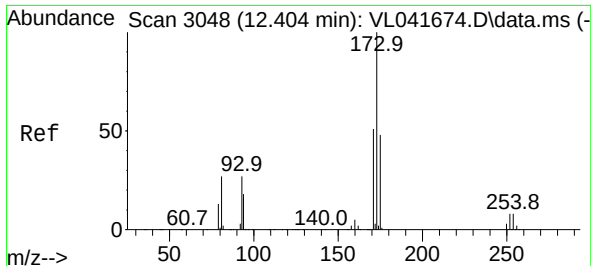
Tgt Ion: 129 Resp: 1289

Ion Ratio Lower Upper

129 100

127 0.0 39.1 117.2#





#49

Bromoform

Concen: 0.039 ppbv

RT: 12.407 min Scan# 3048

Delta R.T. 0.003 min

Lab File: VL041678.D

Acq: 7 Nov 2024 12:52

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

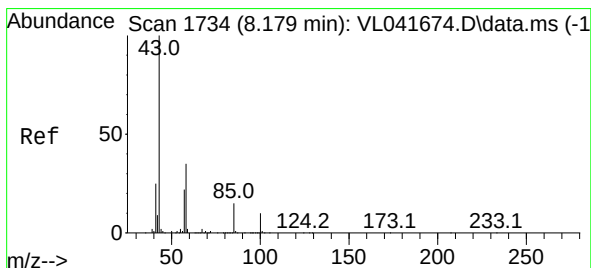
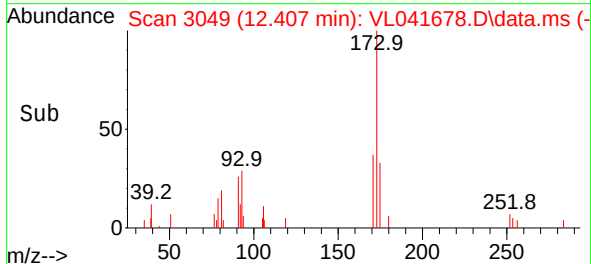
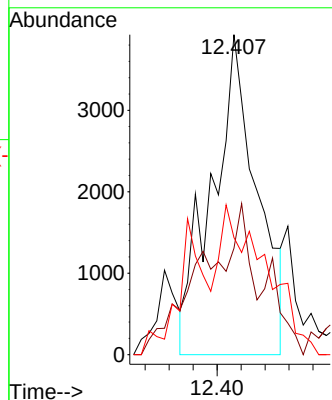
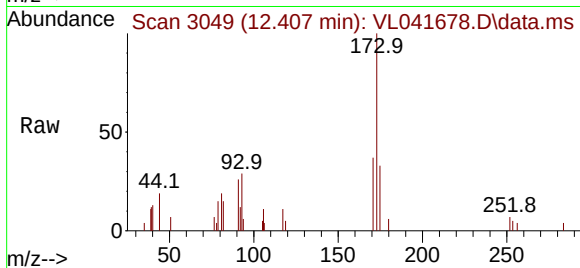
Tgt Ion:173 Resp: 5111

Ion Ratio Lower Upper

173 100

175 69.5 39.2 58.8#

171 73.5 41.7 62.5#



#50

4-Methyl-2-Pentanone

Concen: 0.001 ppbv

RT: 8.166 min Scan# 1730

Delta R.T. -0.013 min

Lab File: VL041678.D

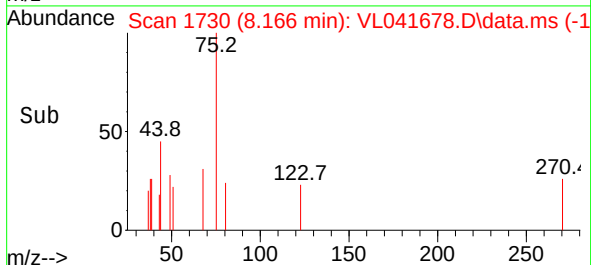
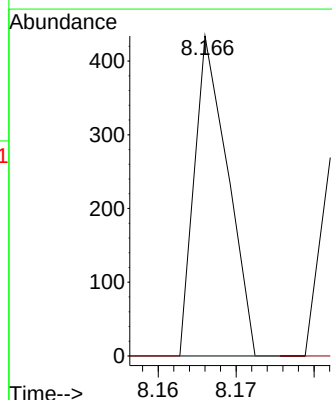
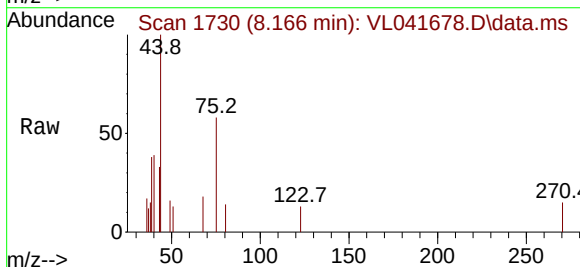
Acq: 7 Nov 2024 12:52

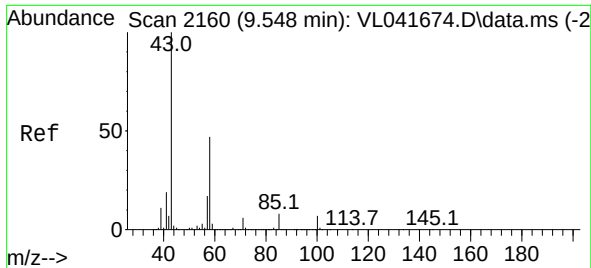
Tgt Ion: 43 Resp: 129

Ion Ratio Lower Upper

43 100

58 0.0 27.7 41.5#

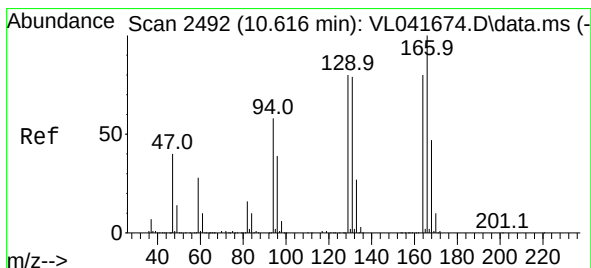
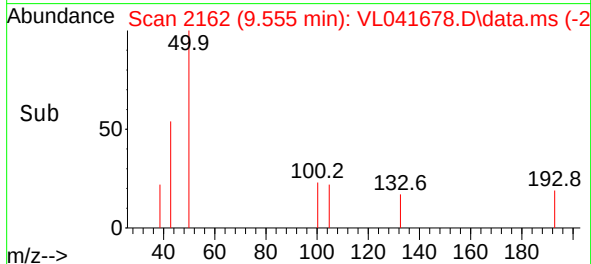
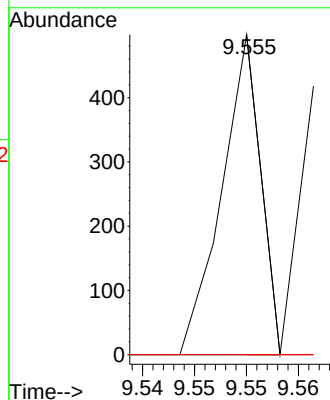
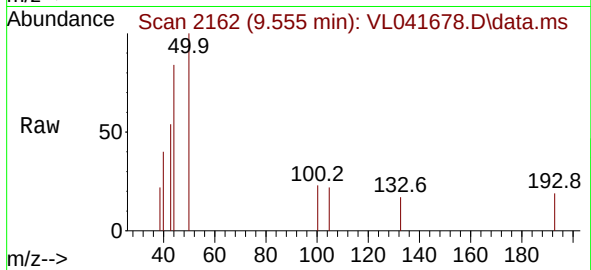




#51
2-Hexanone
Concen: 0.001 ppbv
RT: 9.555 min Scan# 2160
Delta R.T. 0.007 min
Lab File: VL041678.D
Acq: 7 Nov 2024 12:52

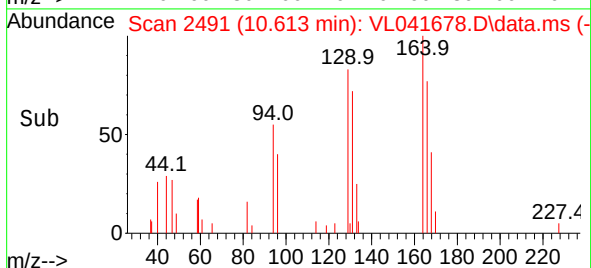
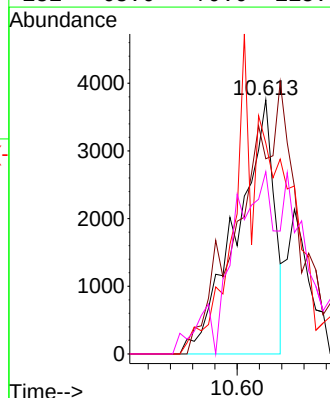
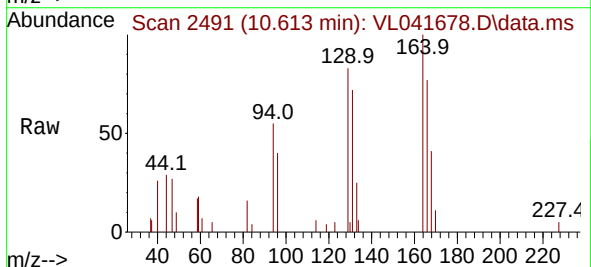
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

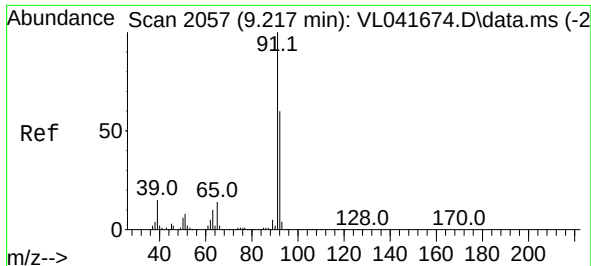
Tgt Ion: 43 Resp: 130
Ion Ratio Lower Upper
43 100
58 0.0 37.0 55.6#
98 0.0 0.6 0.8#



#52
Tetrachloroethene
Concen: 0.055 ppbv
RT: 10.613 min Scan# 2491
Delta R.T. -0.003 min
Lab File: VL041678.D
Acq: 7 Nov 2024 12:52

Tgt Ion: 164 Resp: 4385
Ion Ratio Lower Upper
164 100
166 76.8 100.2 150.4#
129 83.0 79.7 119.5
131 63.6 79.0 118.4#





#53

Toluene

Concen: 0.026 ppbv

RT: 9.217 min Scan# 2057

Delta R.T. 0.000 min

Lab File: VL041678.D

Acq: 7 Nov 2024 12:52

Instrument :

MSVOA_1

ClientSampleId :

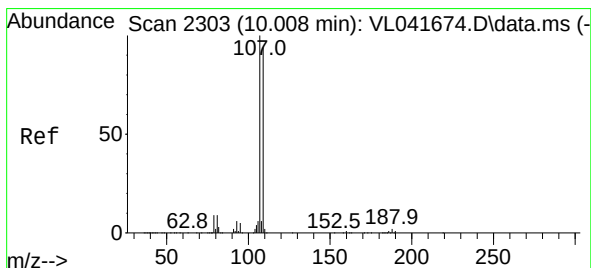
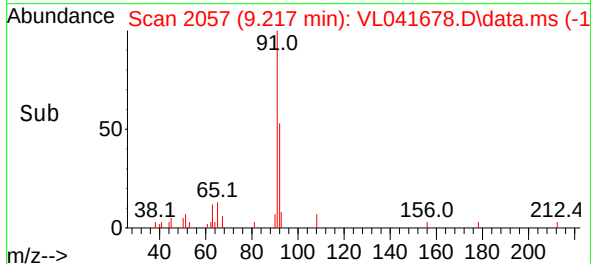
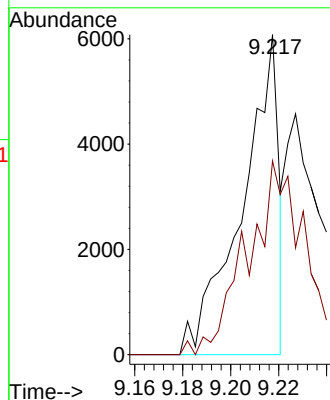
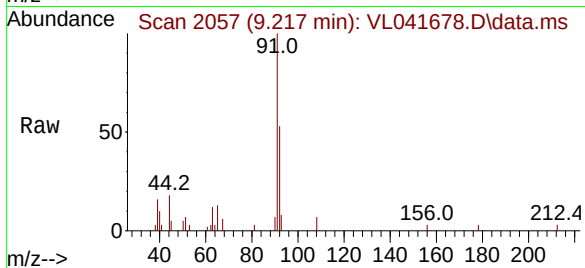
VSTDIC0.1

Tgt Ion: 91 Resp: 6426

Ion Ratio Lower Upper

91 100

92 101.2 49.0 73.4#



#54

1,2-Dibromoethane

Concen: 0.008 ppbv

RT: 10.028 min Scan# 2309

Delta R.T. 0.019 min

Lab File: VL041678.D

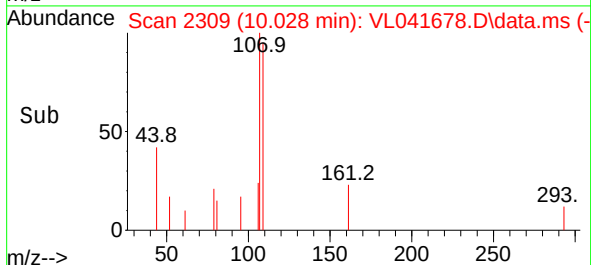
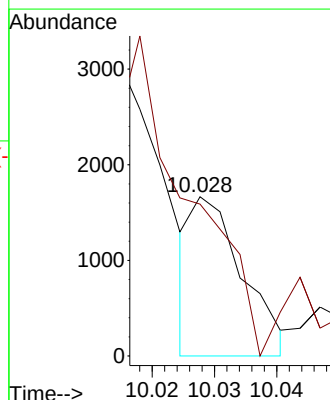
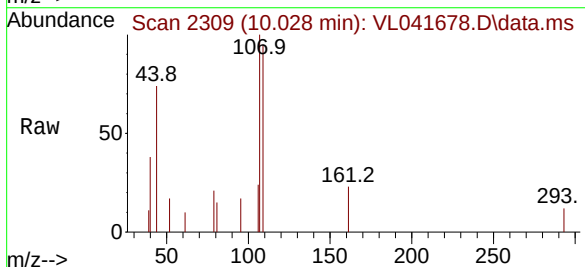
Acq: 7 Nov 2024 12:52

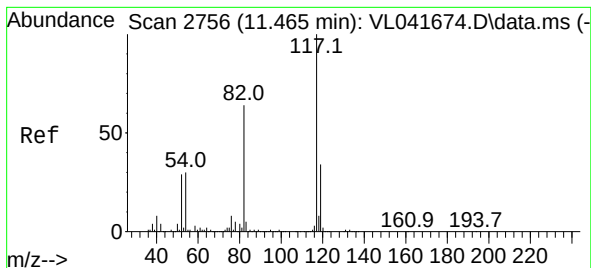
Tgt Ion: 107 Resp: 948

Ion Ratio Lower Upper

107 100

109 81.0 74.9 112.3





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.465 min Scan# 2756

Delta R.T. 0.000 min

Lab File: VL041678.D

Acq: 7 Nov 2024 12:52

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

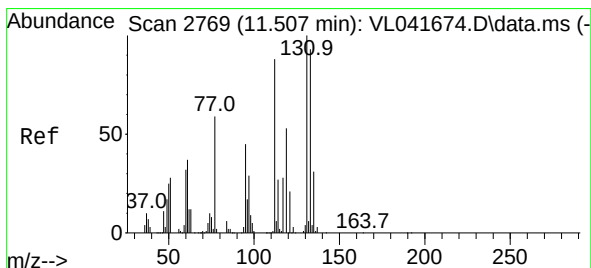
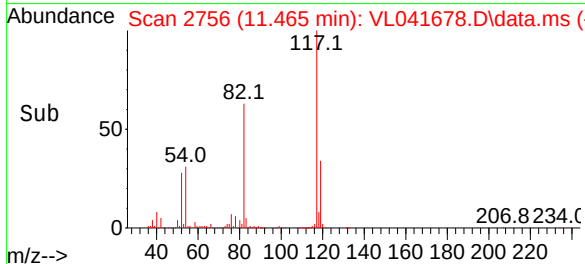
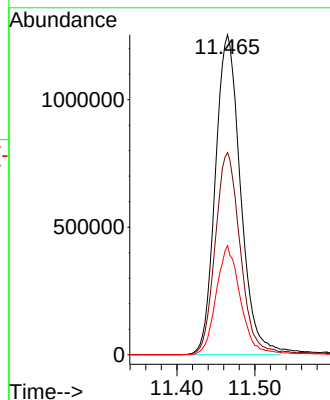
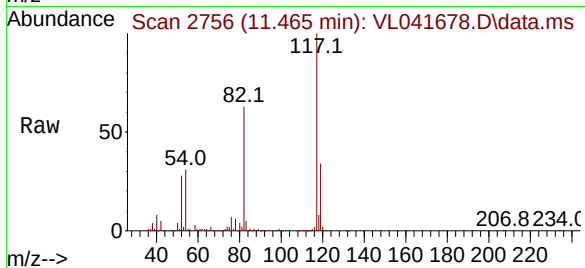
Tgt Ion:117 Resp: 2815160

Ion Ratio Lower Upper

117 100

82 64.5 49.8 74.8

119 33.4 24.2 36.4



#56

1,1,1,2-Tetrachloroethane

Concen: 0.047 ppbv

RT: 11.503 min Scan# 2768

Delta R.T. -0.003 min

Lab File: VL041678.D

Acq: 7 Nov 2024 12:52

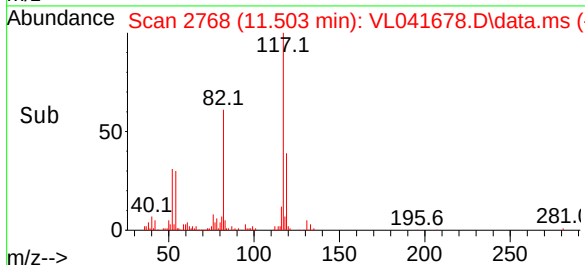
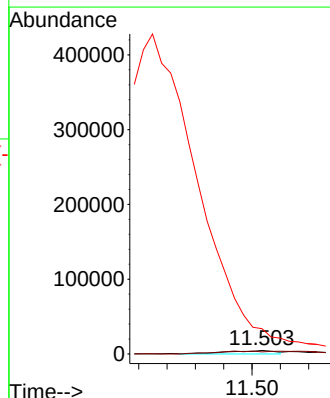
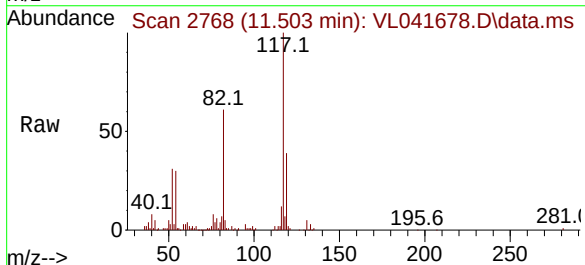
Tgt Ion:131 Resp: 5532

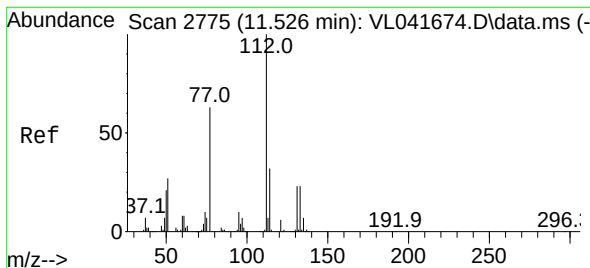
Ion Ratio Lower Upper

131 100

133 174.8 76.5 114.7#

119 0.0 49.8 74.8#

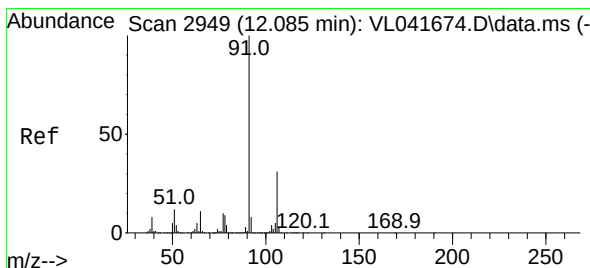
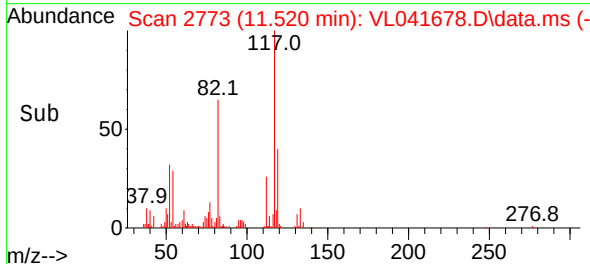
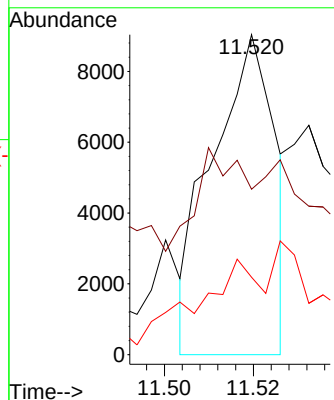
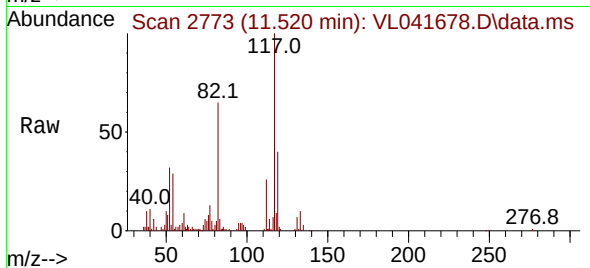




#57
Chlorobenzene
Concen: 0.042 ppbv
RT: 11.520 min Scan# 2775
Delta R.T. -0.006 min
Lab File: VL041678.D
Acq: 7 Nov 2024 12:52

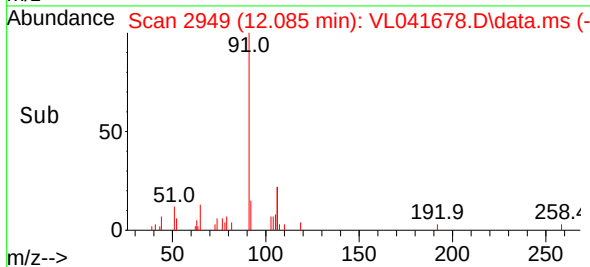
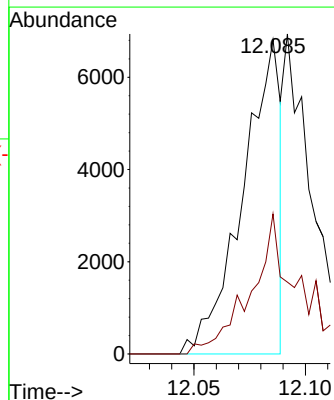
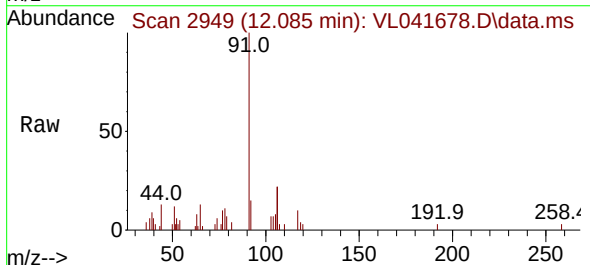
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

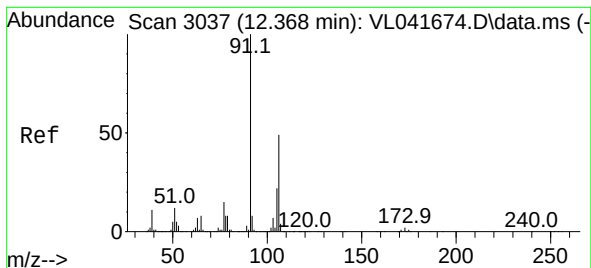
Tgt Ion:112 Resp: 8824
Ion Ratio Lower Upper
112 100
77 14.3 51.4 77.2#
114 15.1 28.4 34.8#



#58
Ethyl Benzene
Concen: 0.026 ppbv
RT: 12.085 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VL041678.D
Acq: 7 Nov 2024 12:52

Tgt Ion: 91 Resp: 8058
Ion Ratio Lower Upper
91 100
106 44.5 24.9 37.3#

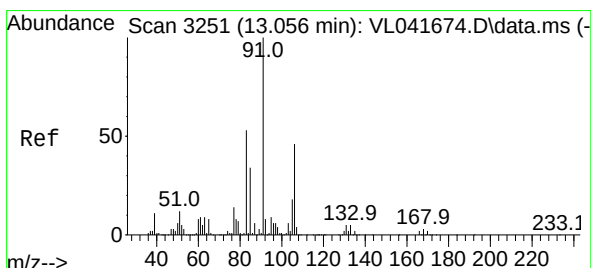
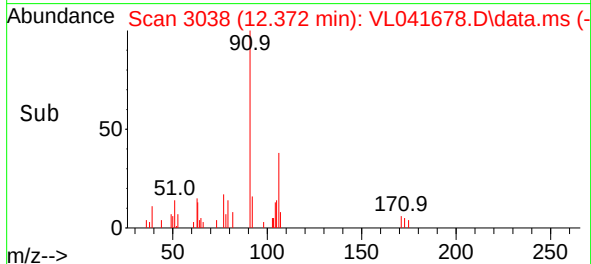
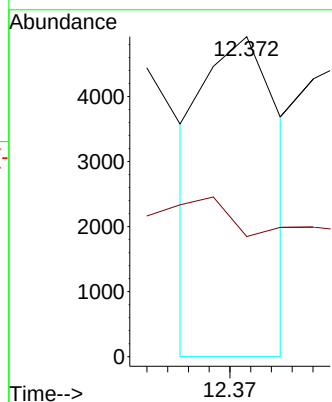
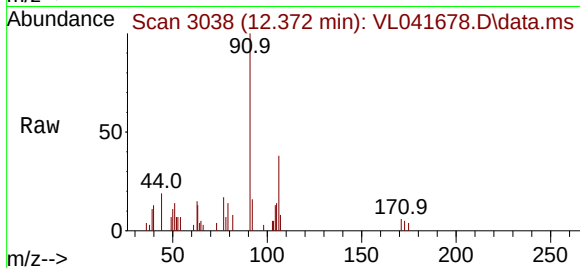




#59
m/p-Xylene
Concen: 0.009 ppbv
RT: 12.372 min Scan# 3038
Delta R.T. 0.003 min
Lab File: VL041678.D
Acq: 7 Nov 2024 12:52

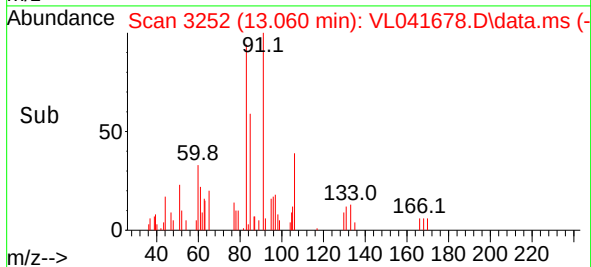
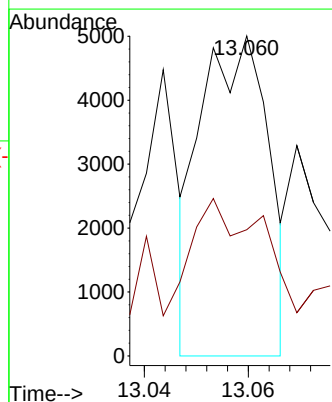
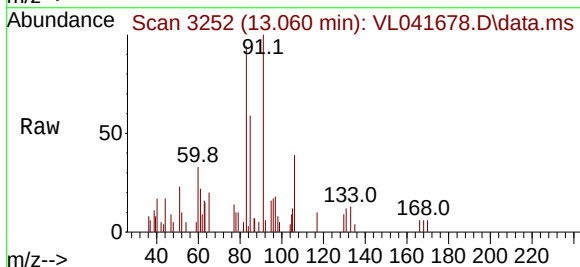
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

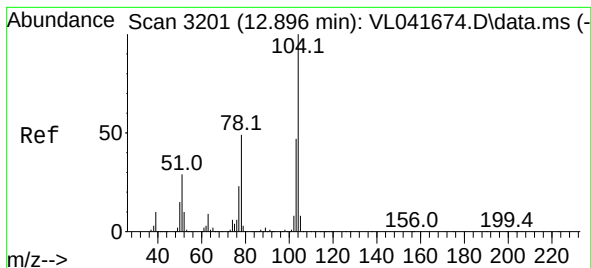
Tgt Ion: 91 Resp: 2522
Ion Ratio Lower Upper
91 100
106 0.0 36.9 55.3#



#60
o-Xylene
Concen: 0.017 ppbv
RT: 13.060 min Scan# 3252
Delta R.T. 0.003 min
Lab File: VL041678.D
Acq: 7 Nov 2024 12:52

Tgt Ion: 91 Resp: 4516
Ion Ratio Lower Upper
91 100
106 94.9 23.2 69.6#

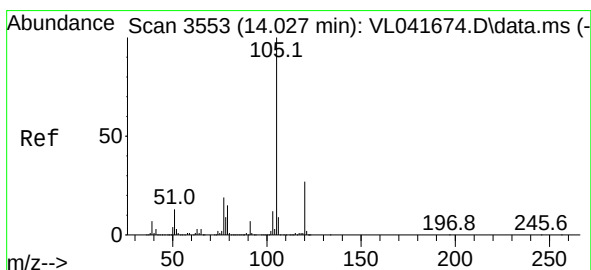
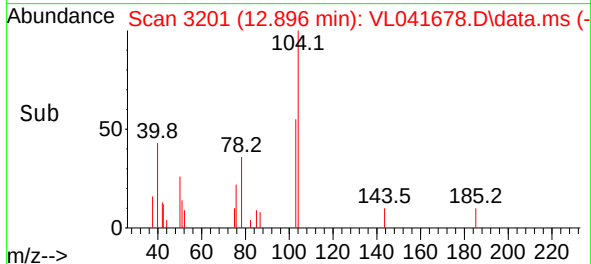
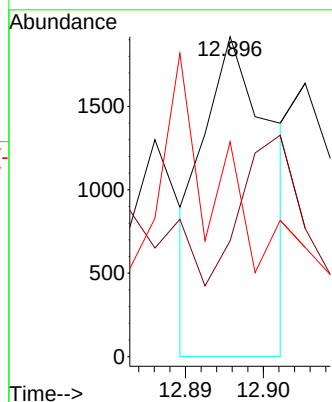
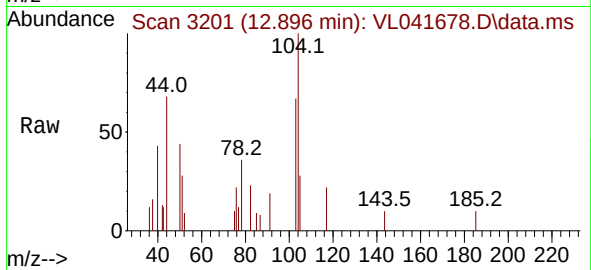




#61
Styrene
Concen: 0.011 ppbv
RT: 12.896 min Scan# 311
Delta R.T. 0.000 min
Lab File: VL041678.D
Acq: 7 Nov 2024 12:52

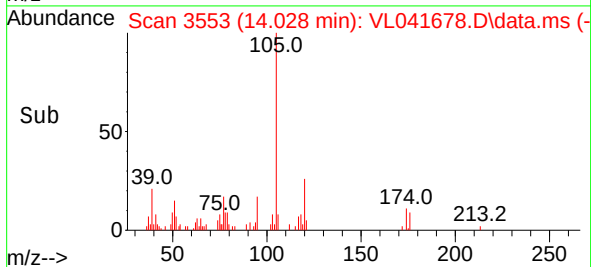
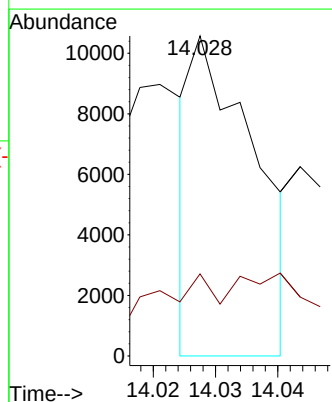
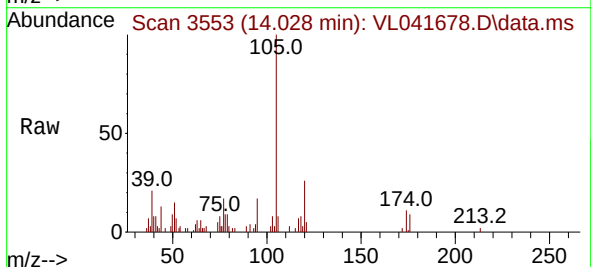
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC0.1

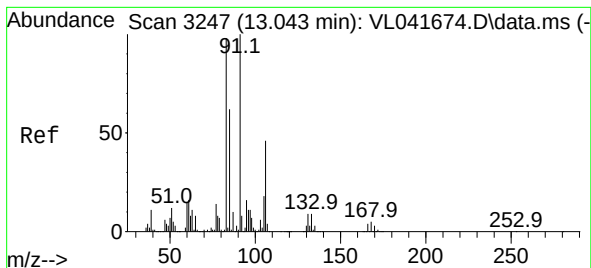
Tgt Ion:104 Resp: 1175
Ion Ratio Lower Upper
104 100
78 0.0 39.8 59.8#
103 0.0 37.4 56.0#



#62
Isopropylbenzene
Concen: 0.018 ppbv
RT: 14.028 min Scan# 3553
Delta R.T. 0.000 min
Lab File: VL041678.D
Acq: 7 Nov 2024 12:52

Tgt Ion:105 Resp: 7473
Ion Ratio Lower Upper
105 100
120 0.0 21.1 31.7#





#63

1,1,2,2-Tetrachloroethane

Concen: 0.035 ppbv

RT: 13.047 min Scan# 31

Delta R.T. 0.003 min

Lab File: VL041678.D

Acq: 7 Nov 2024 12:52

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

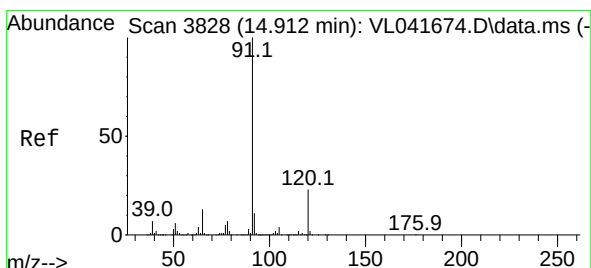
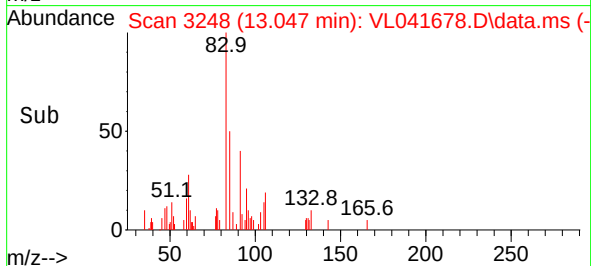
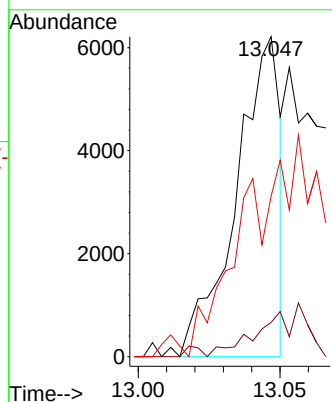
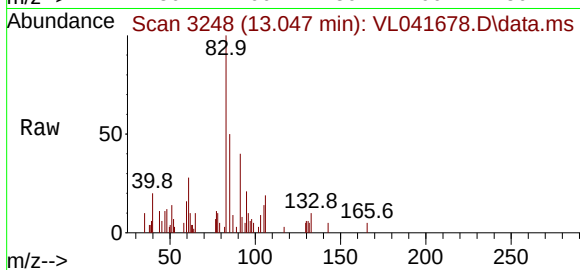
Tgt Ion: 83 Resp: 6699

Ion Ratio Lower Upper

83 100

131 0.0 4.8 14.3#

85 0.0 32.6 98.0#



#64

n-propylbenzene

Concen: 0.016 ppbv

RT: 14.905 min Scan# 3826

Delta R.T. -0.006 min

Lab File: VL041678.D

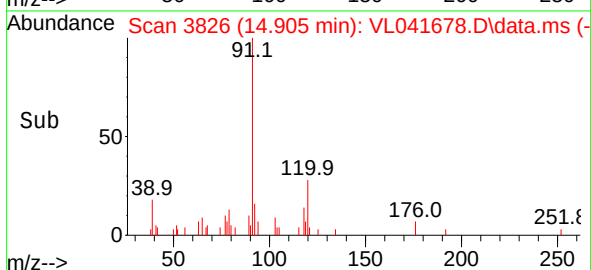
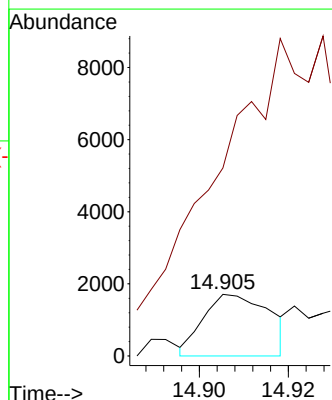
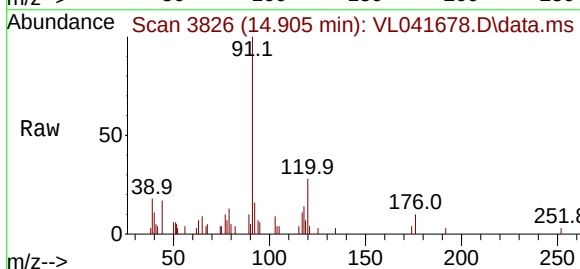
Acq: 7 Nov 2024 12:52

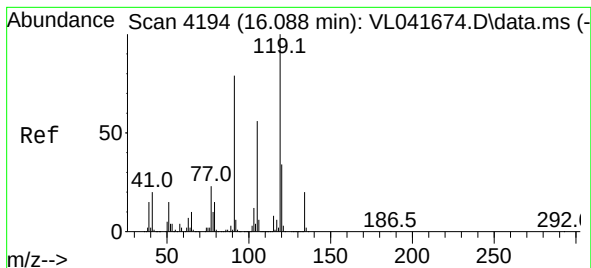
Tgt Ion:120 Resp: 1772

Ion Ratio Lower Upper

120 100

91 0.0 362.4 543.6#





#65

tert-Butylbenzene

Concen: 0.016 ppbv

RT: 16.095 min Scan# 41

Delta R.T. 0.007 min

Lab File: VL041678.D

Acq: 7 Nov 2024 12:52

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

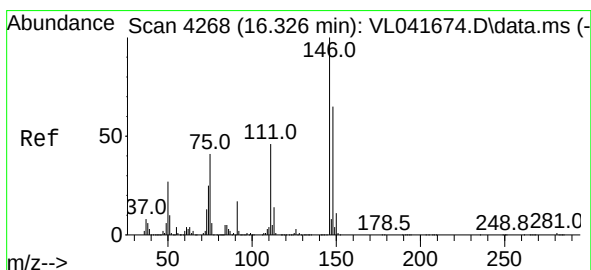
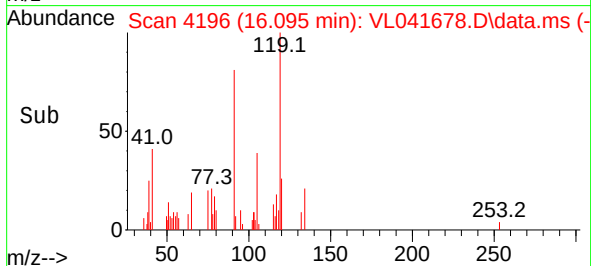
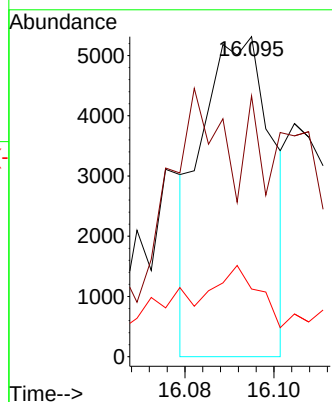
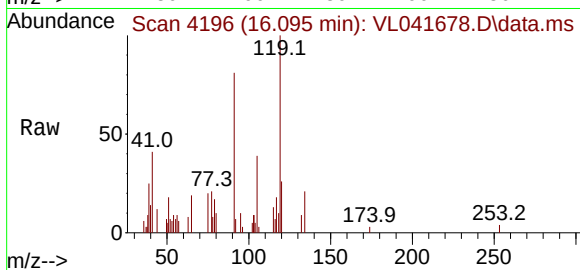
Tgt Ion:119 Resp: 5771

Ion Ratio Lower Upper

119 100

91 0.0 64.3 96.5#

134 53.7 15.8 23.8#



#66

Benzyl Chloride

Concen: 0.018 ppbv

RT: 16.333 min Scan# 4270

Delta R.T. 0.007 min

Lab File: VL041678.D

Acq: 7 Nov 2024 12:52

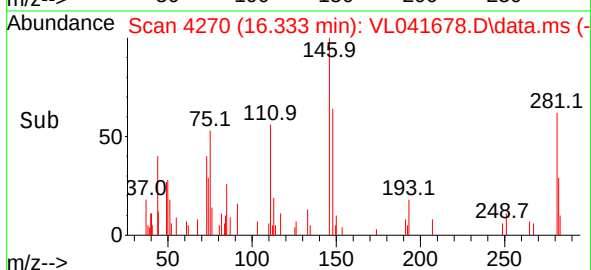
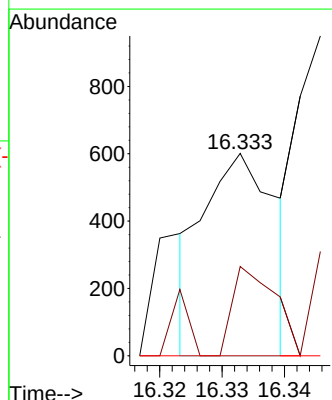
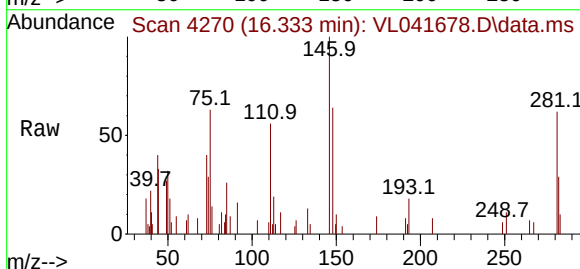
Tgt Ion: 91 Resp: 477

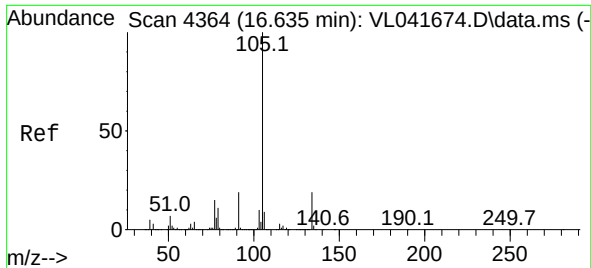
Ion Ratio Lower Upper

91 100

126 0.0 13.8 20.6#

128 0.0 4.3 6.5#





#67

sec-Butylbenzene

Concen: 0.010 ppbv

RT: 16.642 min Scan# 4366

Delta R.T. 0.007 min

Lab File: VL041678.D

Acq: 7 Nov 2024 12:52

Instrument :

MSVOA_1

ClientSampleId :

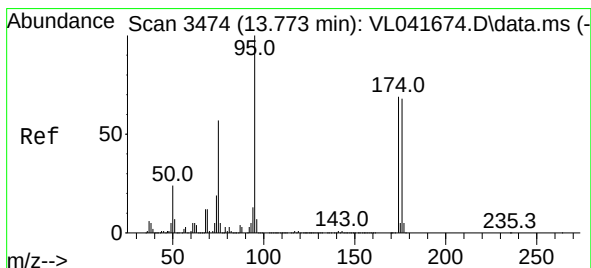
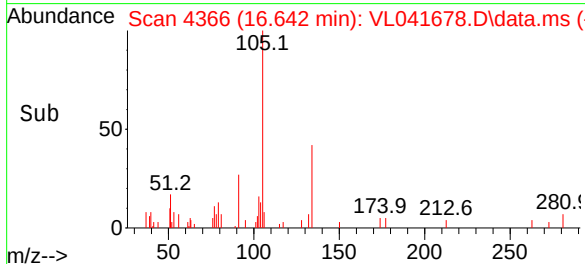
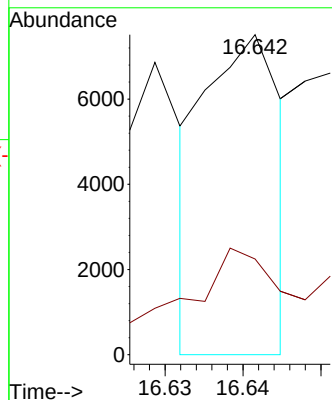
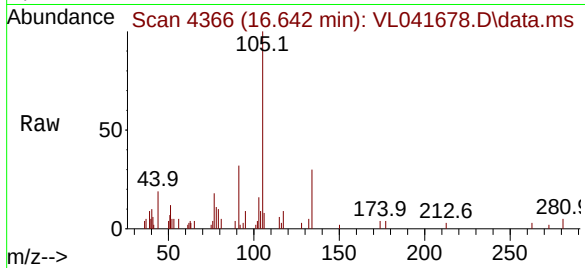
VSTDIC0.1

Tgt Ion:105 Resp: 5110

Ion Ratio Lower Upper

105 100

134 94.7 14.6 22.0#



#68

1-Bromo-4-Fluorobenzene

Concen: 10.145 ppbv

RT: 13.774 min Scan# 3474

Delta R.T. 0.000 min

Lab File: VL041678.D

Acq: 7 Nov 2024 12:52

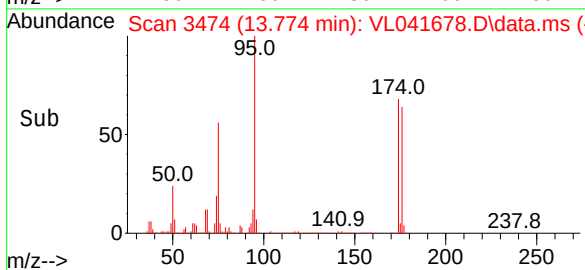
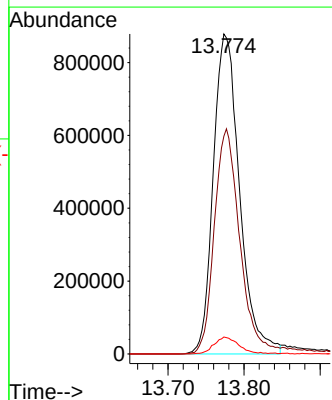
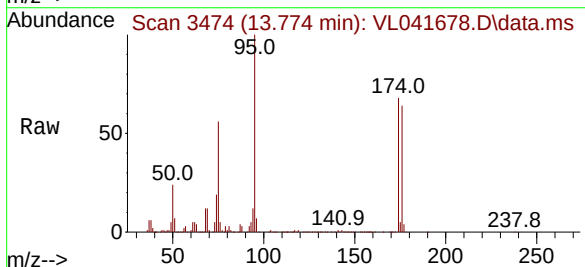
Tgt Ion: 95 Resp: 2112048

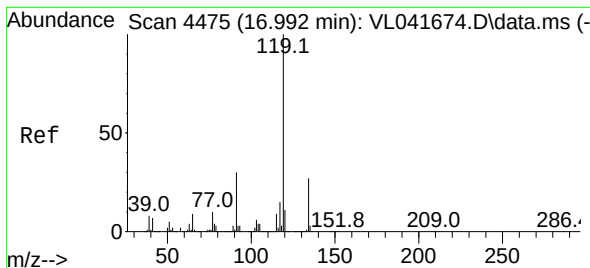
Ion Ratio Lower Upper

95 100

174 71.0 55.6 83.4

175 5.1 4.2 6.2

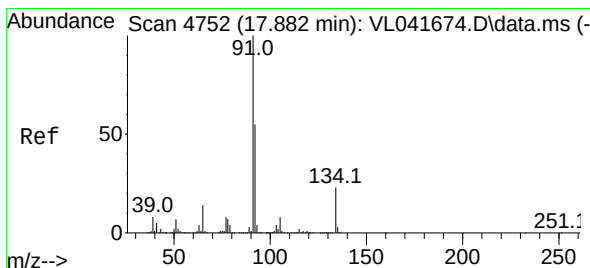
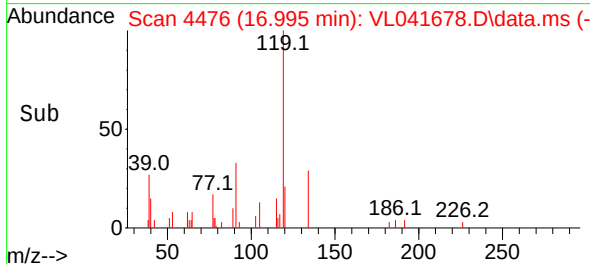
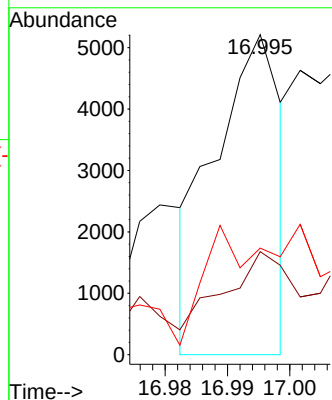
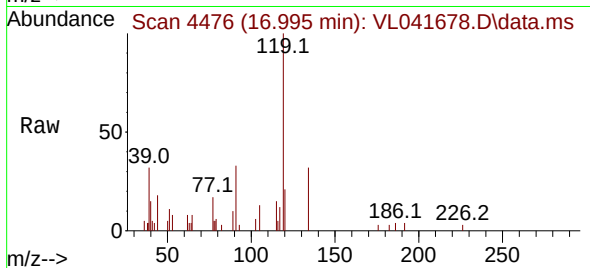




#69
 p-Isopropyltoluene
 Concen: 0.009 ppbv
 RT: 16.995 min Scan# 4475
 Delta R.T. 0.003 min
 Lab File: VL041678.D
 Acq: 7 Nov 2024 12:52

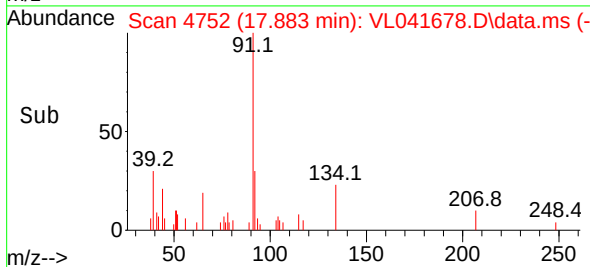
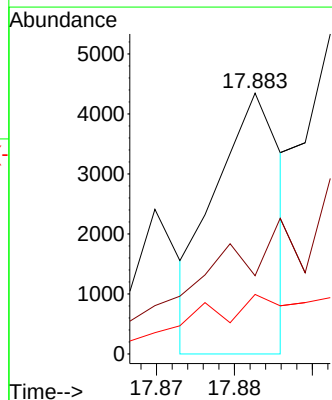
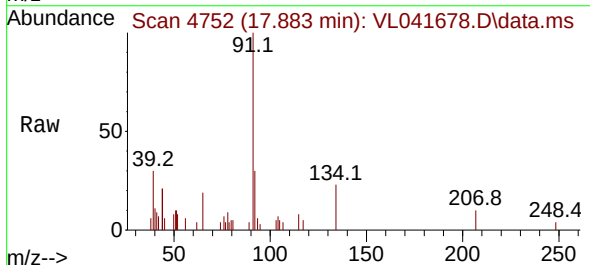
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

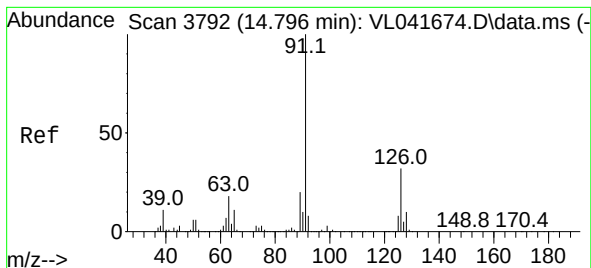
Tgt Ion:119 Resp: 3874
 Ion Ratio Lower Upper
 119 100
 134 0.0 20.8 31.2#
 91 0.0 23.2 34.8#



#70
 n-Butylbenzene
 Concen: 0.006 ppbv
 RT: 17.883 min Scan# 4752
 Delta R.T. 0.000 min
 Lab File: VL041678.D
 Acq: 7 Nov 2024 12:52

Tgt Ion: 91 Resp: 2579
 Ion Ratio Lower Upper
 91 100
 92 0.0 43.3 64.9#
 134 0.0 18.4 27.6#

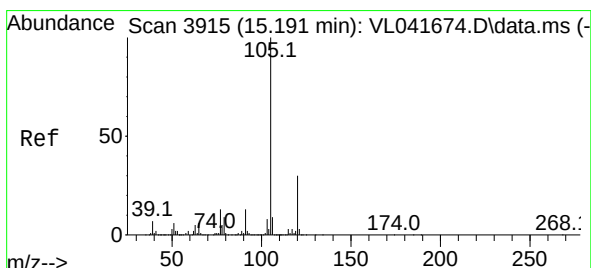
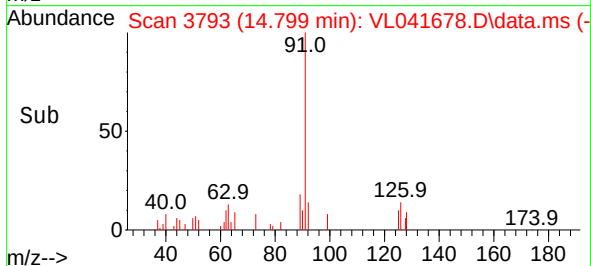
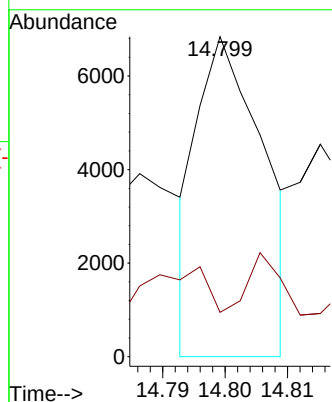
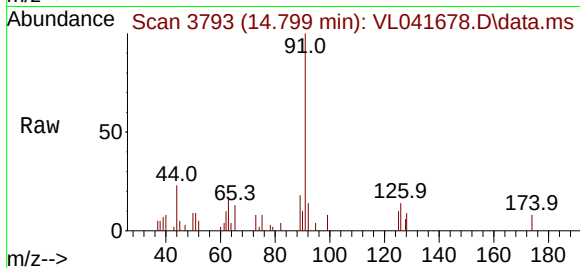




#71
2-Chlorotoluene
Concen: 0.017 ppbv
RT: 14.799 min Scan# 3793
Delta R.T. 0.003 min
Lab File: VL041678.D
Acq: 7 Nov 2024 12:52

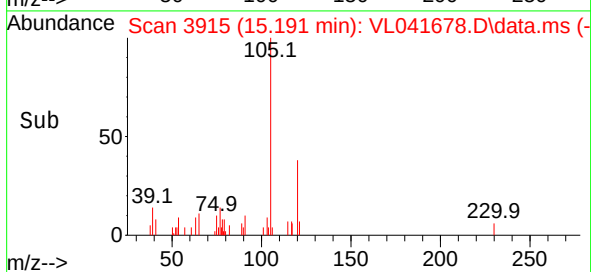
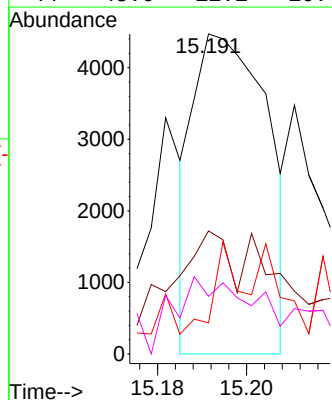
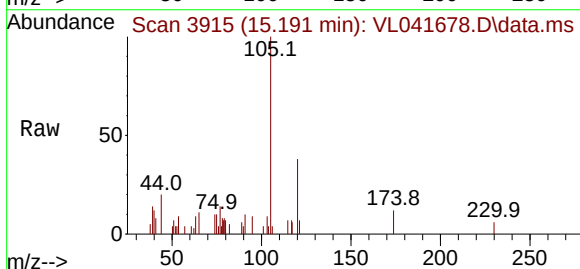
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC0.1

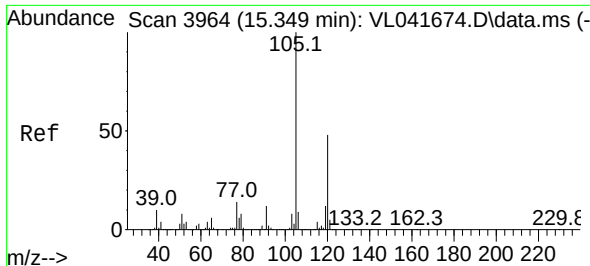
Tgt Ion: 91 Resp: 5048
Ion Ratio Lower Upper
91 100
126 44.2 12.8 51.0



#72
4-Ethyltoluene
Concen: 0.017 ppbv
RT: 15.191 min Scan# 3915
Delta R.T. 0.000 min
Lab File: VL041678.D
Acq: 7 Nov 2024 12:52

Tgt Ion: 105 Resp: 5148
Ion Ratio Lower Upper
105 100
120 76.8 25.0 37.4#
91 49.0 10.6 15.8#
77 43.0 11.1 16.7#

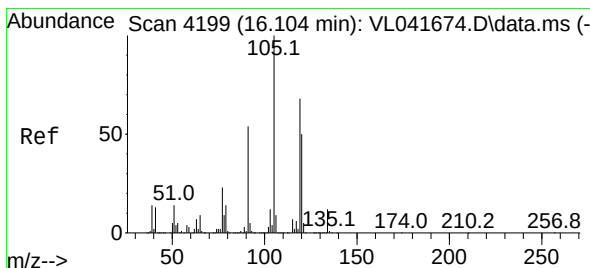
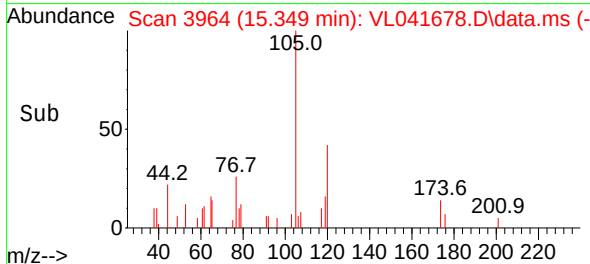
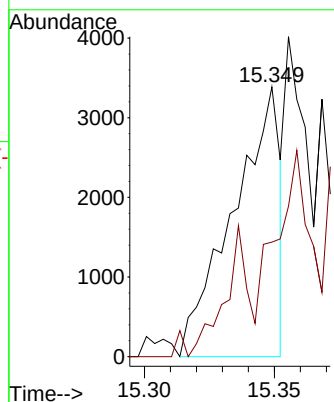
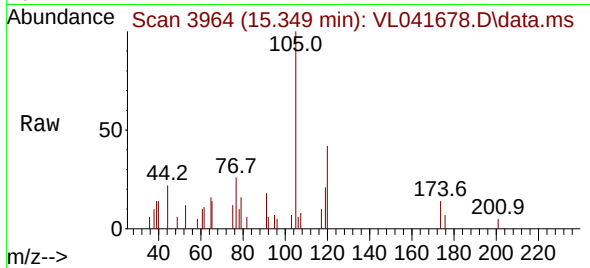




#73
 1,3,5-Trimethylbenzene
 Concen: 0.016 ppbv
 RT: 15.349 min Scan# 3964
 Delta R.T. 0.000 min
 Lab File: VL041678.D
 Acq: 7 Nov 2024 12:52

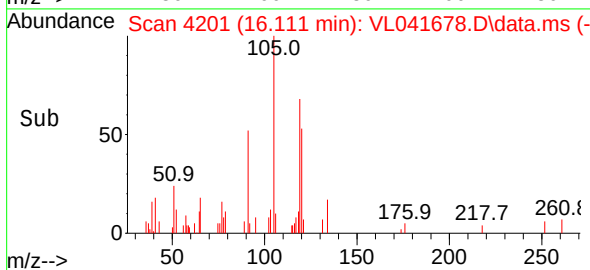
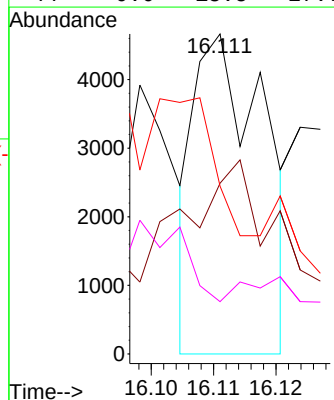
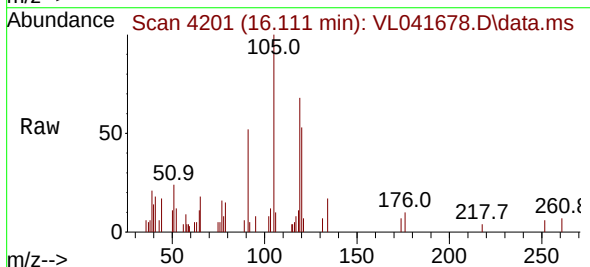
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

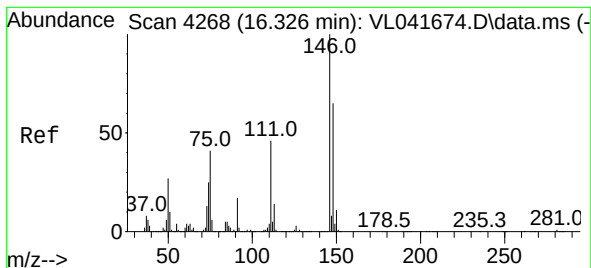
Tgt Ion:105 Resp: 4231
 Ion Ratio Lower Upper
 105 100
 120 32.8 38.4 57.6#



#74
 1,2,4-Trimethylbenzene
 Concen: 0.011 ppbv
 RT: 16.111 min Scan# 4201
 Delta R.T. 0.007 min
 Lab File: VL041678.D
 Acq: 7 Nov 2024 12:52

Tgt Ion:105 Resp: 3618
 Ion Ratio Lower Upper
 105 100
 120 18.1 39.8 59.8#
 91 6.5 43.2 64.8#
 77 0.0 18.5 27.7#





#75

1,3-Dichlorobenzene

Concen: 0.012 ppbv

RT: 16.326 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041678.D

Acq: 7 Nov 2024 12:52

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

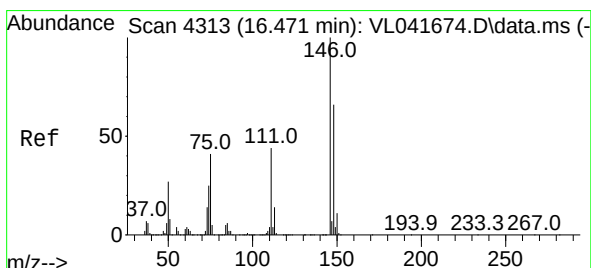
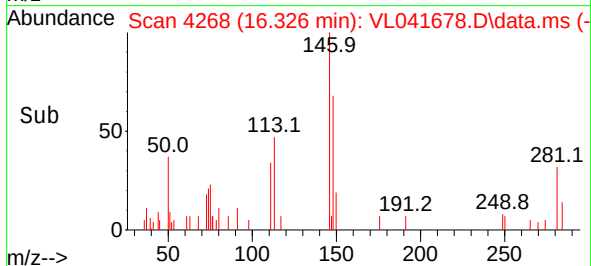
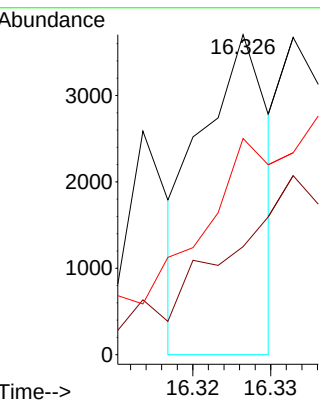
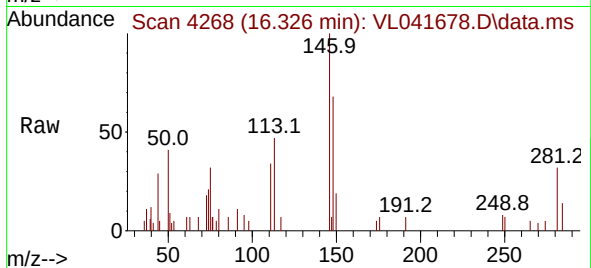
Tgt Ion:146 Resp: 2267

Ion Ratio Lower Upper

146 100

111 0.0 22.8 68.3#

148 0.0 32.4 97.0#



#76

1,4-Dichlorobenzene

Concen: 0.013 ppbv

RT: 16.468 min Scan# 4312

Delta R.T. -0.003 min

Lab File: VL041678.D

Acq: 7 Nov 2024 12:52

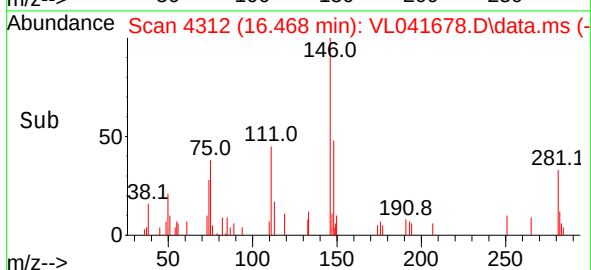
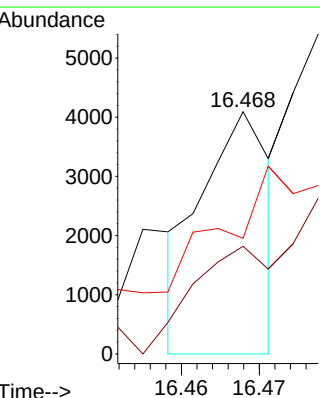
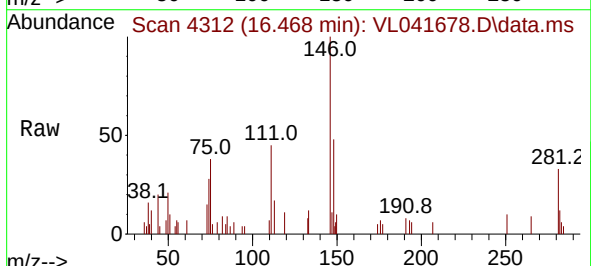
Tgt Ion:146 Resp: 2512

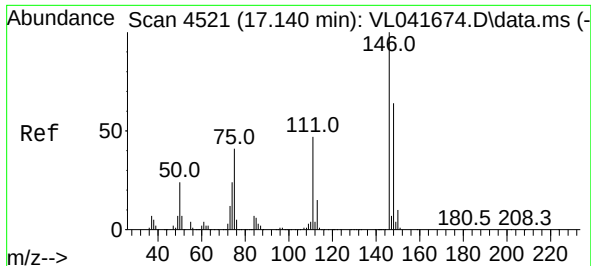
Ion Ratio Lower Upper

146 100

111 0.0 22.1 66.3#

148 347.5 33.3 99.8#

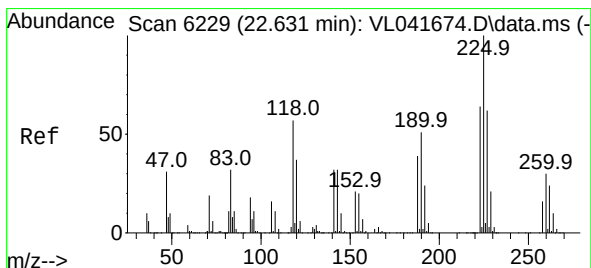
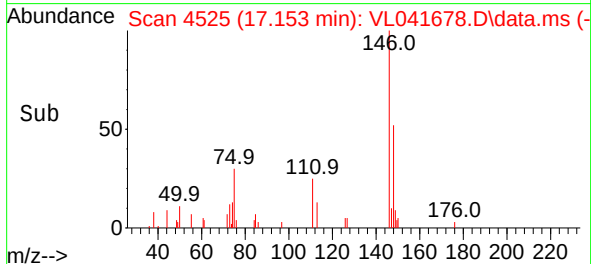
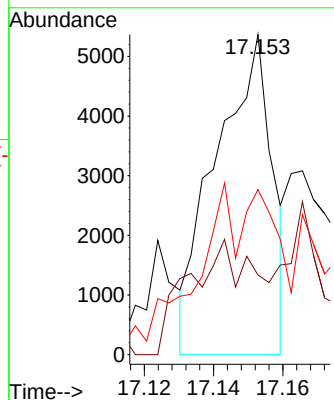
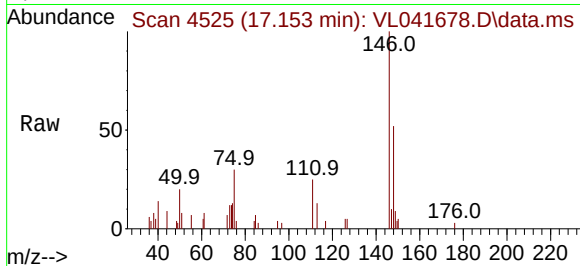




#77
1,2-Dichlorobenzene
Concen: 0.031 ppbv
RT: 17.153 min Scan# 4525
Delta R.T. 0.013 min
Lab File: VL041678.D
Acq: 7 Nov 2024 12:52

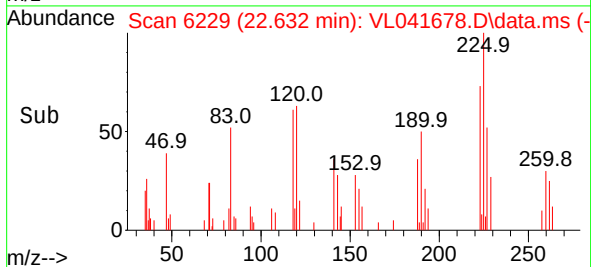
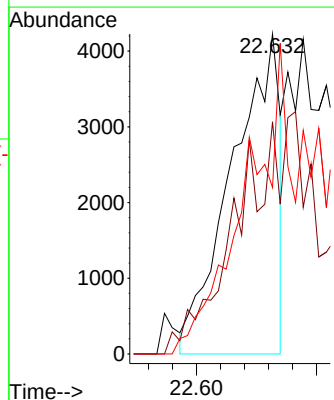
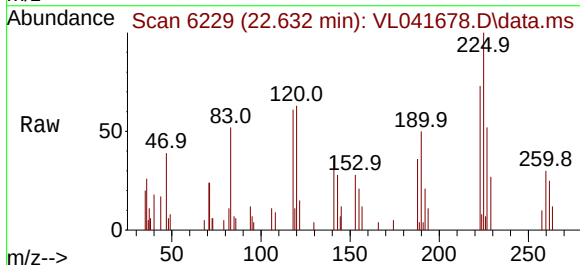
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

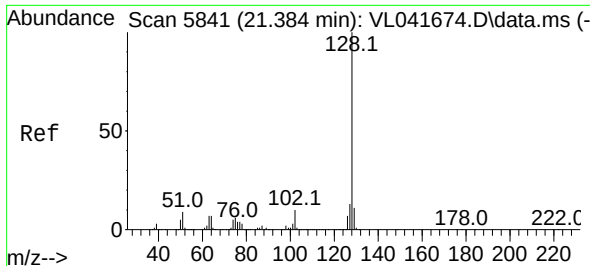
Tgt Ion:146 Resp: 6040
Ion Ratio Lower Upper
146 100
111 0.0 23.4 70.3#
148 123.1 32.1 96.5#



#78
Hexachloro-1,3-Butadiene
Concen: 0.038 ppbv
RT: 22.632 min Scan# 6229
Delta R.T. 0.000 min
Lab File: VL041678.D
Acq: 7 Nov 2024 12:52

Tgt Ion:225 Resp: 5833
Ion Ratio Lower Upper
225 100
223 0.0 51.1 76.7#
227 158.4 51.3 76.9#

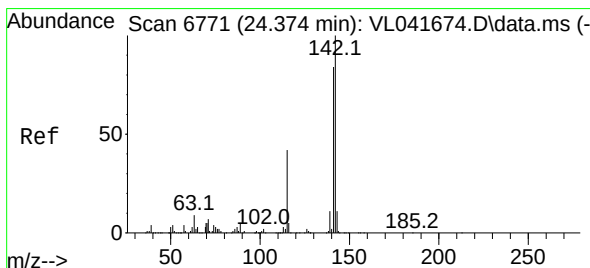
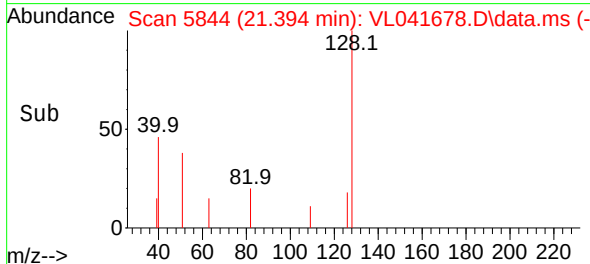
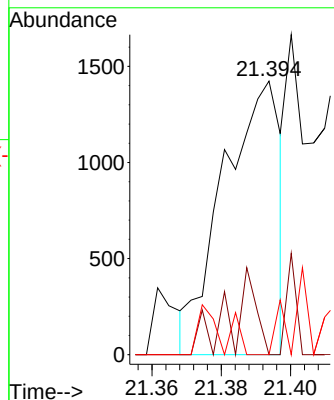
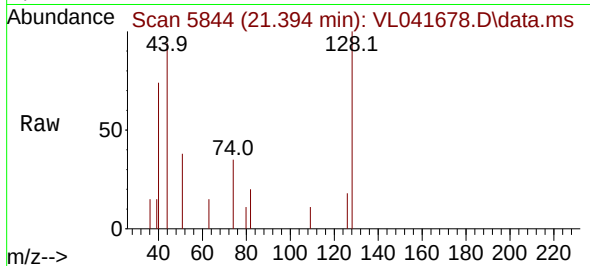




#79
Naphthalene
Concen: 0.008 ppbv
RT: 21.394 min Scan# 51
Delta R.T. 0.010 min
Lab File: VL041678.D
Acq: 7 Nov 2024 12:52

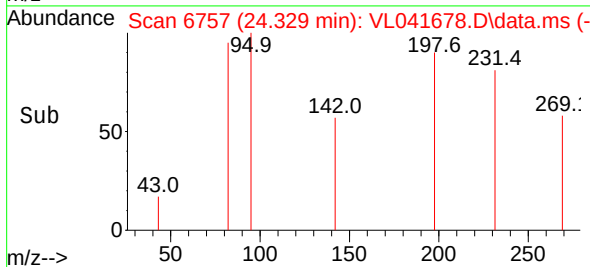
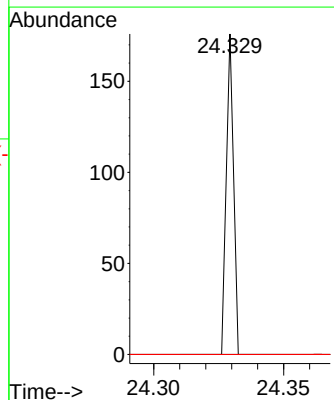
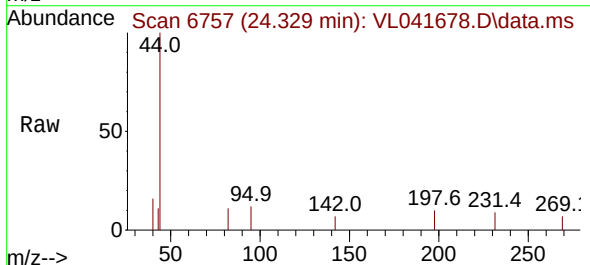
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

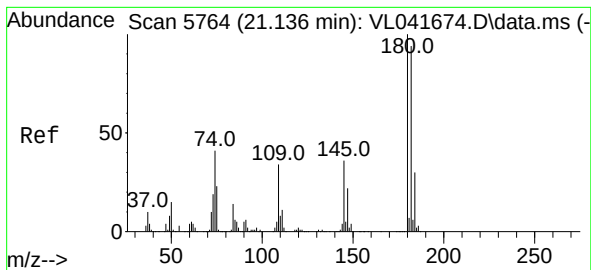
Tgt Ion:128 Resp: 1624
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.7 13.1#



#80
Naphthalene, 2-methyl-
Concen: 0.001 ppbv
RT: 24.329 min Scan# 6757
Delta R.T. -0.045 min
Lab File: VL041678.D
Acq: 7 Nov 2024 12:52

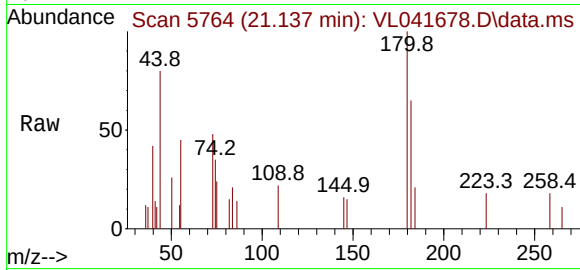
Tgt Ion:142 Resp: 34
Ion Ratio Lower Upper
142 100
141 0.0 68.1 102.1#
115 0.0 33.1 49.7#



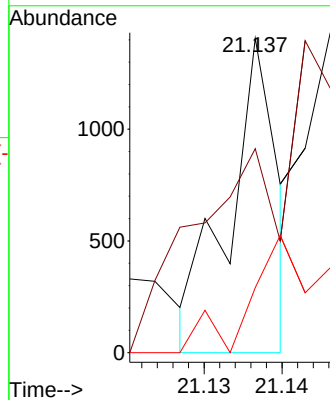
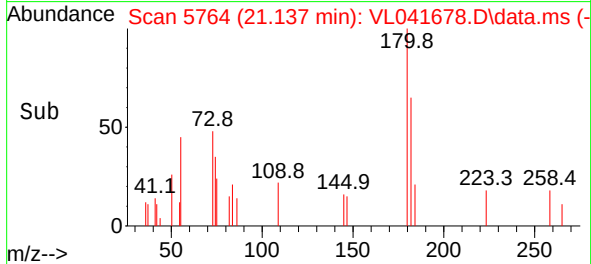


#81
 1,2,4-Trichlorobenzene
 Concen: 0.005 ppbv
 RT: 21.137 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VL041678.D
 Acq: 7 Nov 2024 12:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1



Tgt Ion:180 Resp: 609
 Ion Ratio Lower Upper
 180 100
 182 0.0 78.2 117.2#
 184 0.0 25.0 37.4#



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
 Data File : VL041679.D
 Acq On : 7 Nov 2024 13:31
 Operator : SY/MD
 Sample : VSTDICC0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.03

Quant Time: Nov 08 00:12:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Nov 08 00:07:44 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	1085923	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.652	114	3041887	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2745730	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	2034307	10.018	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.200%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.732	85	6415	0.033	ppbv	97
3) Chlorodifluoromethane	2.678	51	4231	0.030	ppbv #	78
4) Chloromethane	2.809	50	1954	0.026	ppbv #	69
5) Vinyl Chloride	2.922	62	1458	0.021	ppbv #	43
6) Bromomethane	3.115	94	500	0.014	ppbv #	20
7) Chloroethane	3.195	64	355	0.014	ppbv #	83
8) Dichlorotetrafluoroethane	2.854	85	4693	0.027	ppbv	85
9) Propene	2.694	41	3311	0.054	ppbv #	15
10) Heptane	7.581	43	701	0.005	ppbv #	1
11) Trichlorofluoromethane	3.555	101	4735	0.028	ppbv #	64
12) 1,1,2-Trichlorotrifluo...	4.060	101	3059	0.025	ppbv #	75
13) Ethanol	3.263	45	191	0.050	ppbv	90
14) Bromoethene	3.366	108	767	0.015	ppbv #	5
15) Acetone	3.462	43	221	0.002	ppbv #	48
16) 1,3-Butadiene	2.980	39	1582	0.024	ppbv	92
17) tert-Butyl alcohol	3.870	59	61	0.001	ppbv #	72
18) 1,1-Dichloroethene	3.877	96	1065	0.020	ppbv #	32
19) Isopropyl Alcohol	3.578	45	98	0.002	ppbv #	91
20) Methylene Chloride	3.932	84	7989	0.162	ppbv	86
21) Allyl Chloride	3.996	41	1190	0.014	ppbv #	1
22) trans-1,2-Dichloroethene	4.449	96	520	0.010	ppbv #	66
23) Vinyl Acetate	4.632	43	855	0.014	ppbv #	78
24) 1,1-Dichloroethane	4.555	63	2589	0.021	ppbv #	90
25) Ethyl Acetate	5.202	43	1588	0.006	ppbv #	74
26) Hexane	5.218	57	745	0.007	ppbv #	1
27) Carbon Disulfide	4.124	76	1735	0.015	ppbv #	1
28) Methyl tert-Butyl Ether	4.613	73	754	0.011	ppbv	96
29) Chloroform	5.292	83	318	0.002	ppbv	99
30) Cyclohexane	6.603	84	702	0.008	ppbv #	1
31) cis-1,2-Dichloroethene	5.086	61	458	0.004	ppbv #	48
32) 1,1,1-Trichloroethane	6.005	97	1403	0.009	ppbv #	1
34) 2-Butanone	4.755	43	129	0.001	ppbv #	54
35) Carbon Tetrachloride	6.491	117	1934	0.012	ppbv #	73
36) Benzene	6.372	78	2104	0.009	ppbv #	63
37) 1,2-Dichloroethane	5.812	62	2581	0.020	ppbv	96
38) Trichloroethene	7.291	130	1440	0.017	ppbv #	47
39) 1,2-Dichloropropane	6.648	63	750579	8.427	ppbv #	24
40) 1,4-Dioxane	7.272	88	41	0.001	ppbv #	1
41) Tetrahydrofuran	5.597	42	1248	0.014	ppbv #	57
42) Bromodichloromethane	7.246	83	1411	0.008	ppbv #	65
43) Methyl Methacrylate	7.472	69	273	0.003	ppbv #	1
44) 2,2,4-Trimethylpentane	7.320	57	1208	0.003	ppbv #	1
45) t-1,3-Dichloropropene	8.706	75	213	0.003	ppbv #	44

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
 Data File : VL041679.D
 Acq On : 7 Nov 2024 13:31
 Operator : SY/MD
 Sample : VSTDICC0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

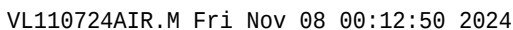
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.03

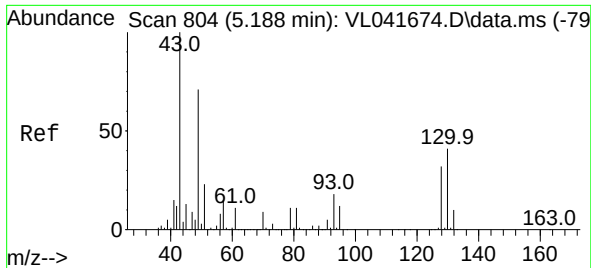
Quant Time: Nov 08 00:12:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Nov 08 00:07:44 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.147	75	395	0.004	ppbv #	61
47) 1,1,2-Trichloroethane	8.896	97	998	0.010	ppbv #	42
48) Dibromochloromethane	9.716	129	535	0.004	ppbv #	10
49) Bromoform	12.407	173	728	0.006	ppbv #	27
50) 4-Methyl-2-Pentanone	8.163	43	68	0.000	ppbv #	40
51) 2-Hexanone	9.542	43	154	0.001	ppbv #	31
52) Tetrachloroethene	10.623	164	492	0.006	ppbv #	30
53) Toluene	9.217	91	447	0.002	ppbv #	20
54) 1,2-Dibromoethane	9.986	107	148	0.001	ppbv	90
56) 1,1,1,2-Tetrachloroethane	11.507	131	1400	0.012	ppbv #	1
57) Chlorobenzene	11.526	112	1018	0.005	ppbv #	42
58) Ethyl Benzene	12.089	91	2272	0.007	ppbv	93
59) m/p-Xylene	12.365	91	880	0.003	ppbv #	30
60) o-Xylene	13.082	91	359	0.001	ppbv	73
61) Styrene	12.893	104	361	0.003	ppbv #	1
62) Isopropylbenzene	14.028	105	2118	0.005	ppbv #	1
63) 1,1,2,2-Tetrachloroethane	13.047	83	1745	0.009	ppbv #	25
64) n-propylbenzene	14.912	120	187	0.002	ppbv #	1
65) tert-Butylbenzene	16.095	119	481	0.001	ppbv #	1
66) Benzyl Chloride	16.339	91	31	0.001	ppbv #	66
67) sec-Butylbenzene	16.645	105	2059	0.004	ppbv	99
69) p-Isopropyltoluene	16.995	119	431	0.001	ppbv #	1
70) n-Butylbenzene	17.886	91	657	0.002	ppbv #	33
71) 2-Chlorotoluene	14.793	91	1624	0.006	ppbv #	43
72) 4-Ethyltoluene	15.198	105	907	0.003	ppbv #	54
73) 1,3,5-Trimethylbenzene	15.352	105	343	0.001	ppbv #	29
74) 1,2,4-Trimethylbenzene	16.111	105	1159	0.004	ppbv #	45
75) 1,3-Dichlorobenzene	16.314	146	202	0.001	ppbv #	23
76) 1,4-Dichlorobenzene	16.471	146	857	0.005	ppbv #	23
77) 1,2-Dichlorobenzene	17.137	146	285	0.002	ppbv #	23
78) Hexachloro-1,3-Butadiene	22.635	225	2496	0.017	ppbv #	57
79) Naphthalene	21.381	128	64	0.000	ppbv #	69
80) Naphthalene,2-methyl-	24.561	142	38	0.001	ppbv #	18
81) 1,2,4-Trichlorobenzene	21.140	180	259	0.002	ppbv #	1

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

Quant Time: Nov 08 00:12:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Nov 08 00:07:44 2024
Response via : Initial Calibration

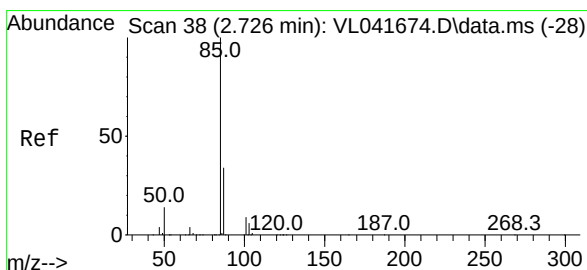
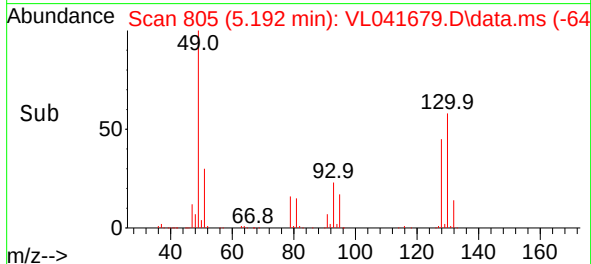
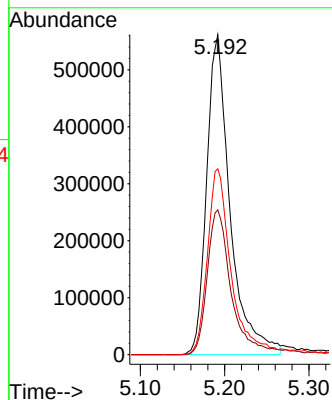
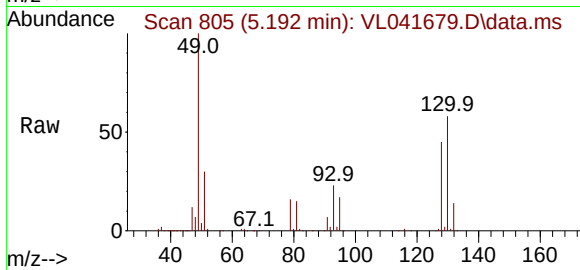




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. 0.004 min
Lab File: VL041679.D
Acq: 7 Nov 2024 13:31

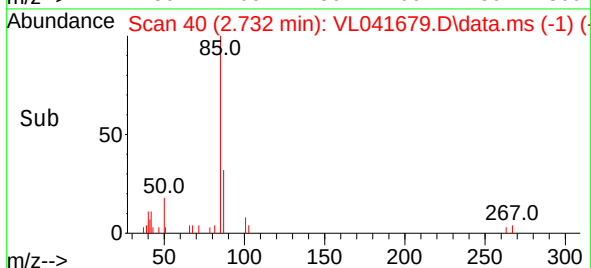
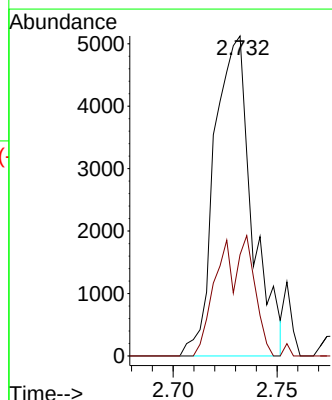
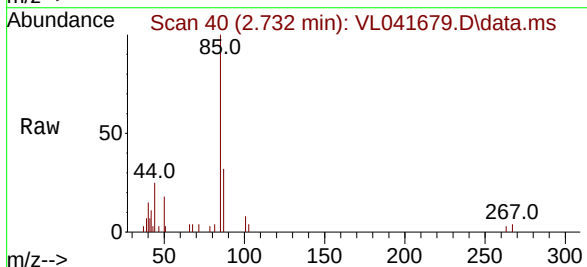
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

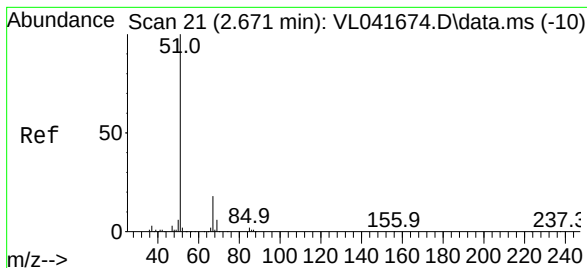
Tgt Ion: 49 Resp: 1085923
Ion Ratio Lower Upper
49 100
128 48.0 23.8 71.2
130 61.1 30.1 90.5



#2
Dichlorodifluoromethane
Concen: 0.033 ppbv
RT: 2.732 min Scan# 40
Delta R.T. 0.007 min
Lab File: VL041679.D
Acq: 7 Nov 2024 13:31

Tgt Ion: 85 Resp: 6415
Ion Ratio Lower Upper
85 100
87 31.7 26.8 40.2





#3

Chlorodifluoromethane

Concen: 0.030 ppbv

RT: 2.678 min Scan# 21

Delta R.T. 0.007 min

Lab File: VL041679.D

Acq: 7 Nov 2024 13:31

Instrument :

MSVOA_L

ClientSampleId :

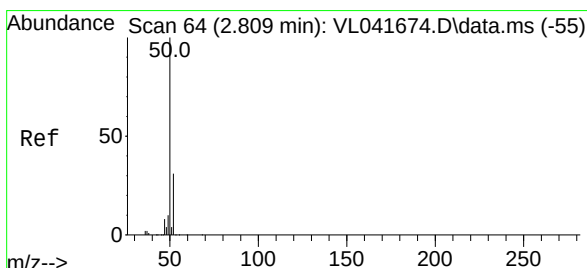
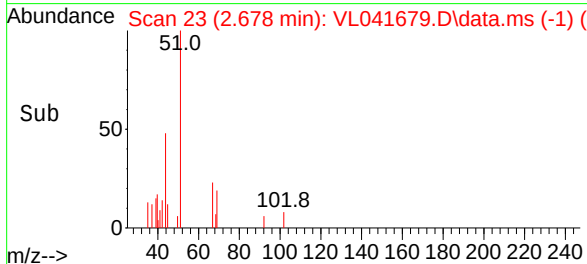
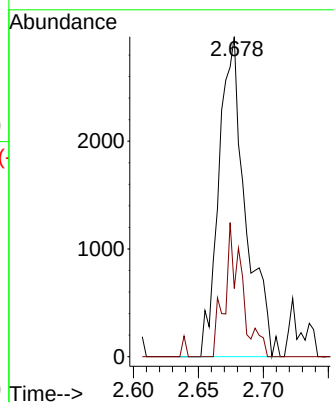
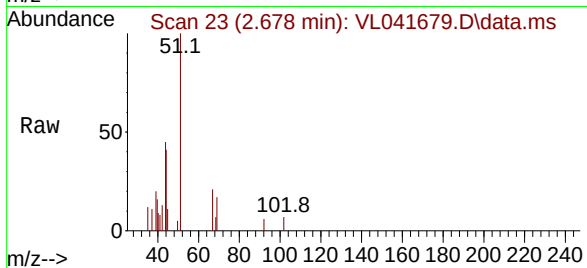
VSTDIC0.03

Tgt Ion: 51 Resp: 4231

Ion Ratio Lower Upper

51 100

67 27.2 13.9 20.9#



#4

Chloromethane

Concen: 0.026 ppbv

RT: 2.809 min Scan# 64

Delta R.T. 0.000 min

Lab File: VL041679.D

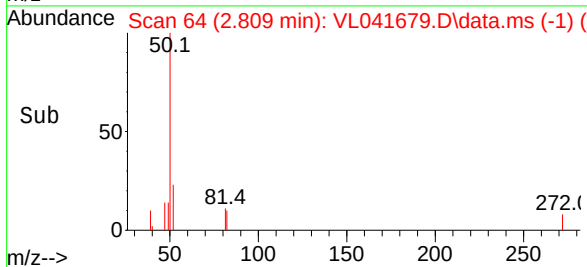
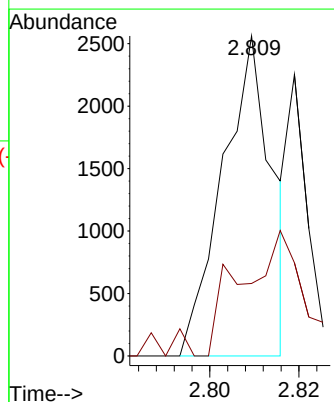
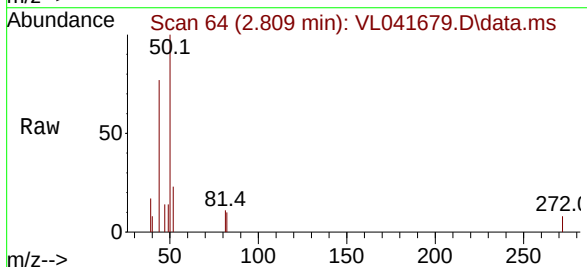
Acq: 7 Nov 2024 13:31

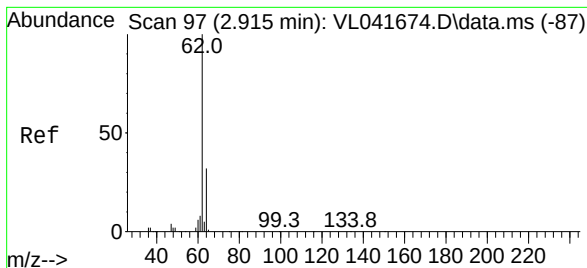
Tgt Ion: 50 Resp: 1954

Ion Ratio Lower Upper

50 100

52 14.1 24.9 37.3#

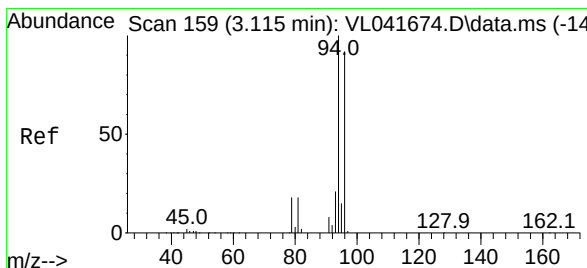
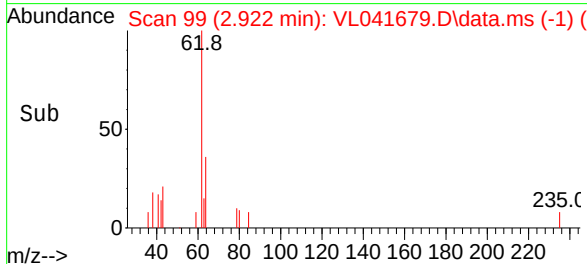
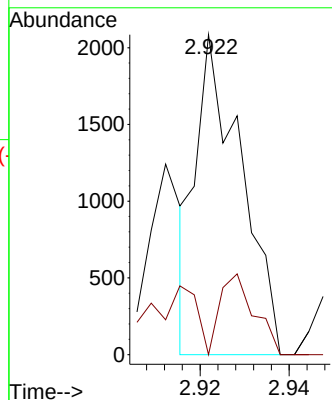
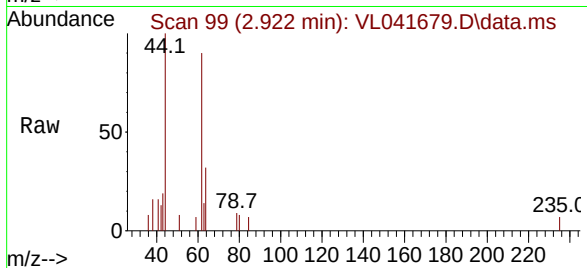




#5
 Vinyl Chloride
 Concen: 0.021 ppbv
 RT: 2.922 min Scan# 99
 Delta R.T. 0.007 min
 Lab File: VL041679.D
 Acq: 7 Nov 2024 13:31

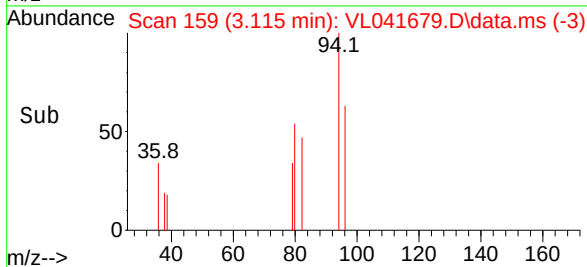
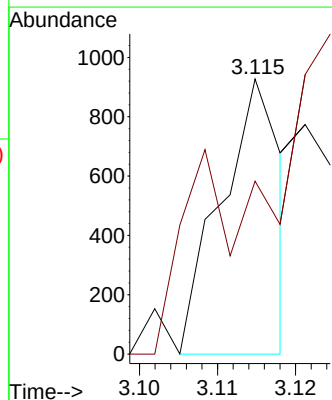
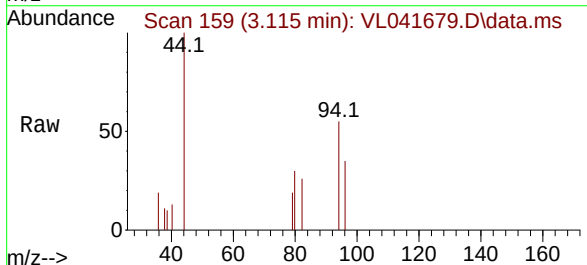
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.03

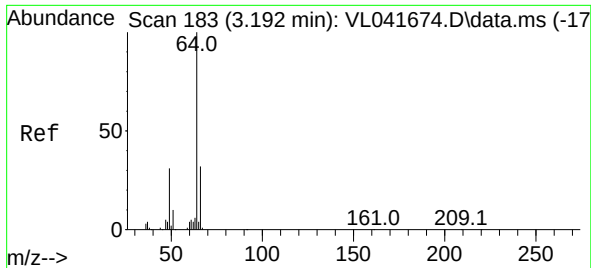
Tgt Ion: 62 Resp: 1458
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.4 38.2#



#6
 Bromomethane
 Concen: 0.014 ppbv
 RT: 3.115 min Scan# 159
 Delta R.T. 0.000 min
 Lab File: VL041679.D
 Acq: 7 Nov 2024 13:31

Tgt Ion: 94 Resp: 500
 Ion Ratio Lower Upper
 94 100
 96 16.0 73.4 110.2#

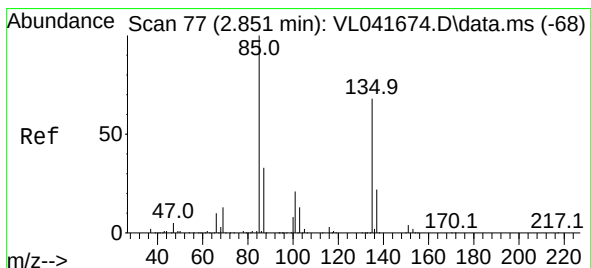
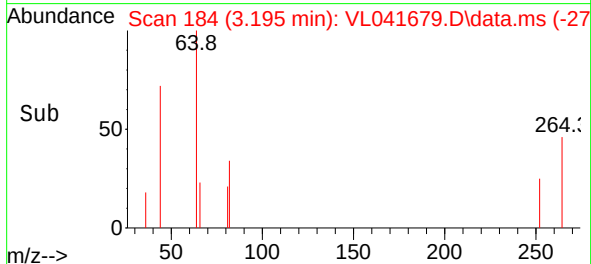
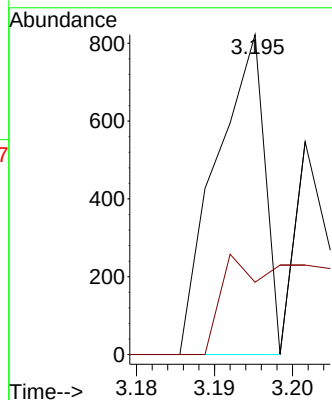
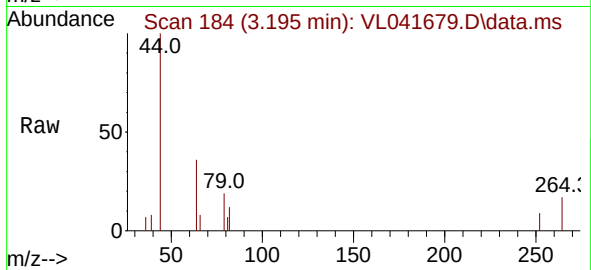




#7
Chloroethane
Concen: 0.014 ppbv
RT: 3.195 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL041679.D
Acq: 7 Nov 2024 13:31

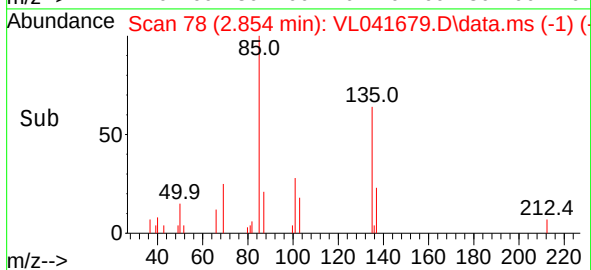
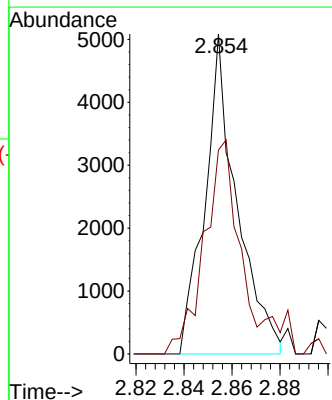
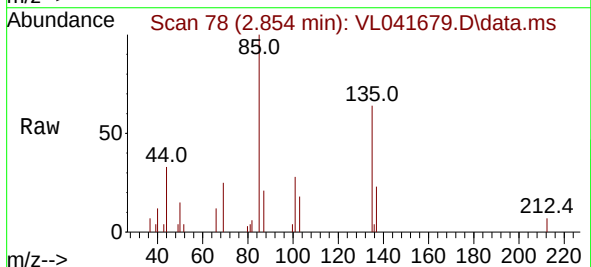
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

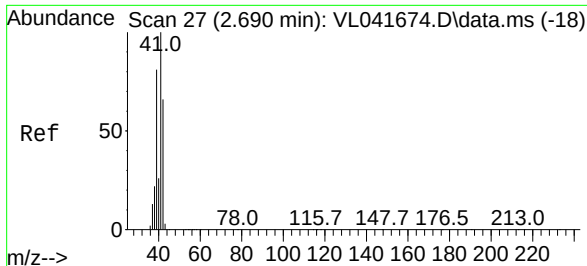
Tgt Ion: 64 Resp: 355
Ion Ratio Lower Upper
64 100
66 22.6 25.9 38.9#



#8
Dichlorotetrafluoroethane
Concen: 0.027 ppbv
RT: 2.854 min Scan# 78
Delta R.T. 0.003 min
Lab File: VL041679.D
Acq: 7 Nov 2024 13:31

Tgt Ion: 85 Resp: 4693
Ion Ratio Lower Upper
85 100
135 81.8 55.5 83.3





#9

Propene

Concen: 0.054 ppbv

RT: 2.694 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL041679.D

Acq: 7 Nov 2024 13:31

Instrument :

MSVOA_L

ClientSampleId :

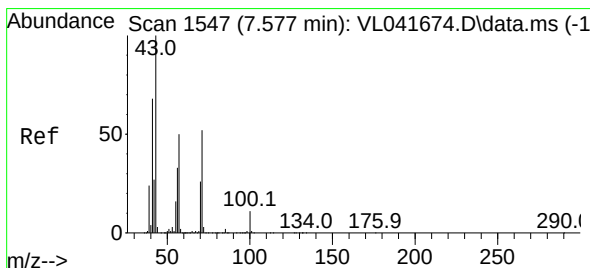
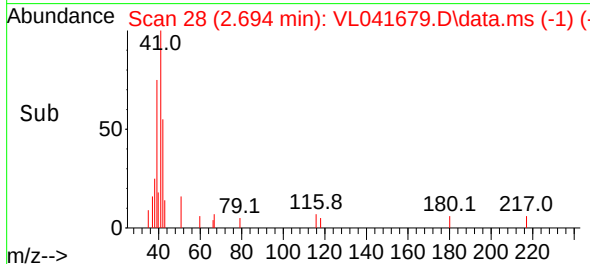
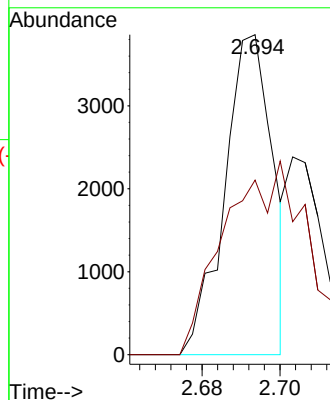
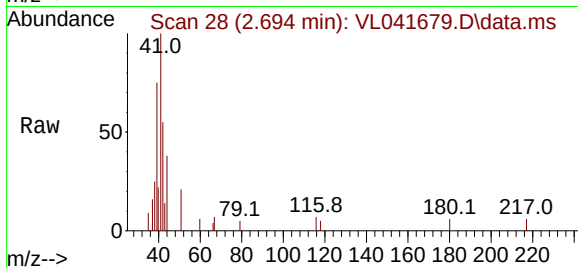
VSTDICC0.03

Tgt Ion: 41 Resp: 3311

Ion Ratio Lower Upper

41 100

42 0.0 55.0 82.4#



#10

Heptane

Concen: 0.005 ppbv

RT: 7.581 min Scan# 1548

Delta R.T. 0.003 min

Lab File: VL041679.D

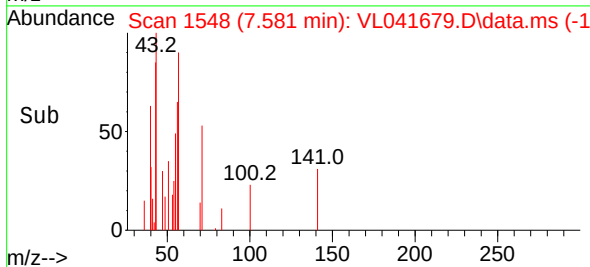
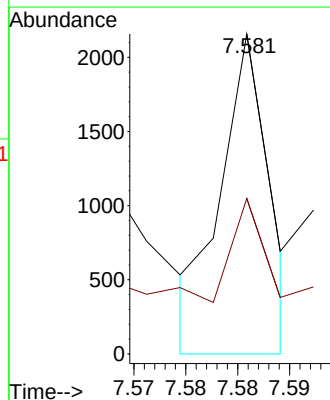
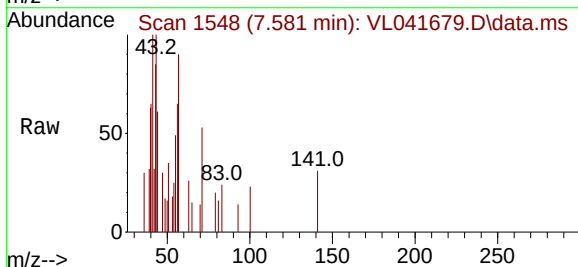
Acq: 7 Nov 2024 13:31

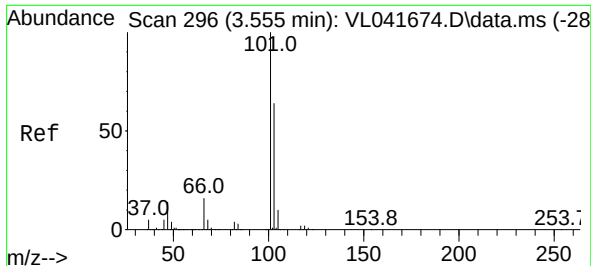
Tgt Ion: 43 Resp: 701

Ion Ratio Lower Upper

43 100

57 197.6 40.0 60.0#





#11

Trichlorofluoromethane

Concen: 0.028 ppbv

RT: 3.555 min Scan# 296

Delta R.T. 0.000 min

Lab File: VL041679.D

Acq: 7 Nov 2024 13:31

Instrument :

MSVOA_L

ClientSampleId :

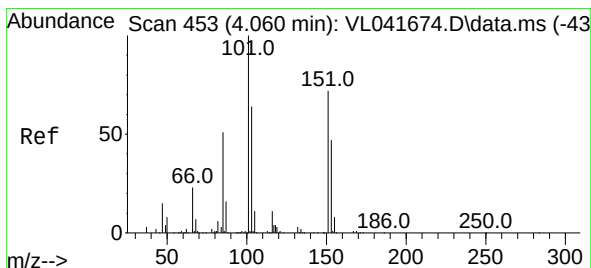
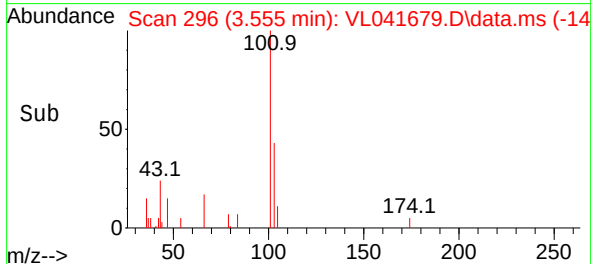
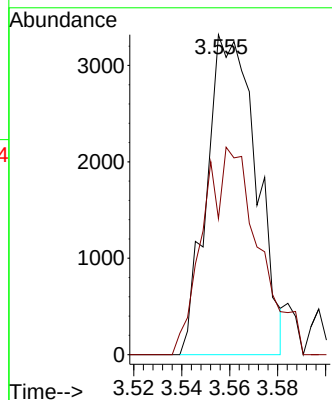
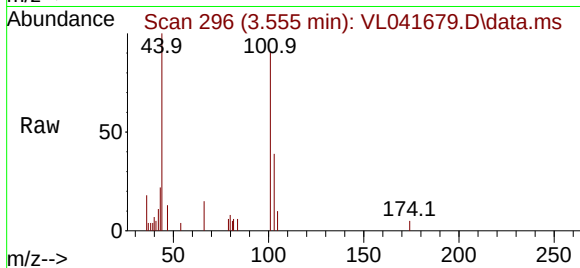
VSTDICC0.03

Tgt Ion:101 Resp: 4735

Ion Ratio Lower Upper

101 100

103 35.8 51.0 76.6#



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.025 ppbv

RT: 4.060 min Scan# 453

Delta R.T. 0.000 min

Lab File: VL041679.D

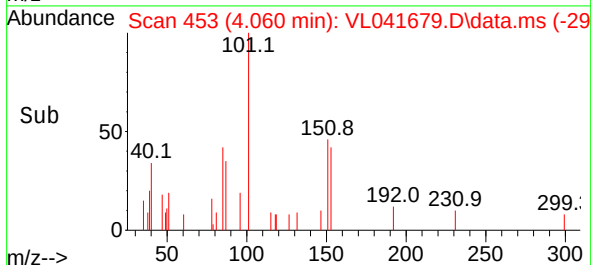
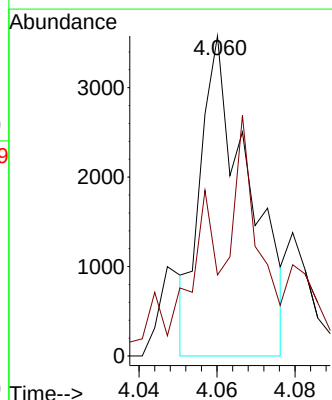
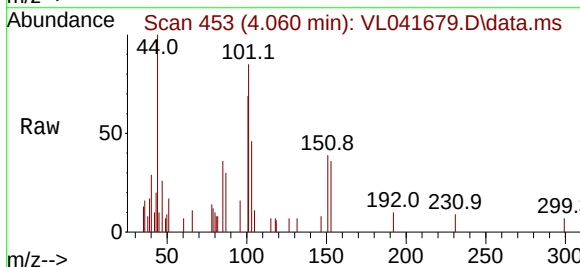
Acq: 7 Nov 2024 13:31

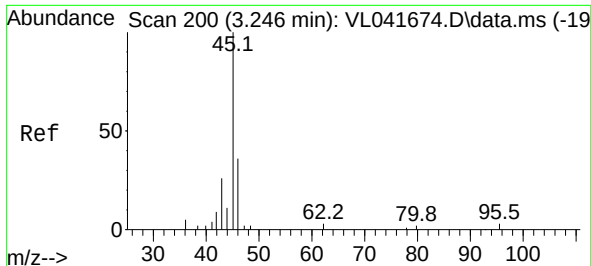
Tgt Ion:101 Resp: 3059

Ion Ratio Lower Upper

101 100

151 95.3 59.1 88.7#





#13

Ethanol

Concen: 0.050 ppbv

RT: 3.263 min Scan# 205

Delta R.T. 0.016 min

Lab File: VL041679.D

Acq: 7 Nov 2024 13:31

Instrument :

MSVOA_L

ClientSampleId :

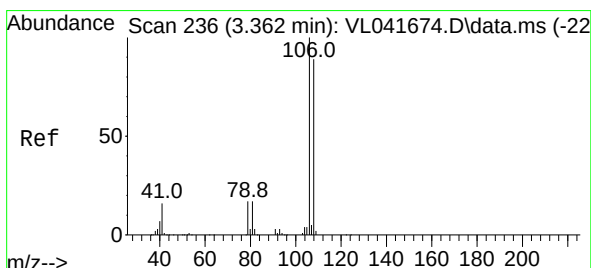
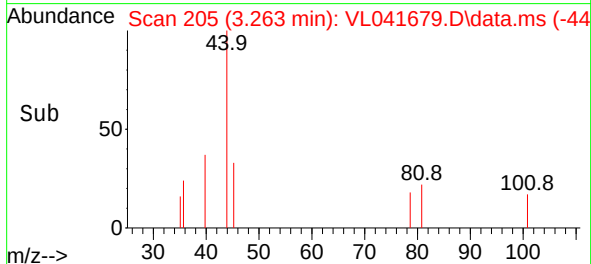
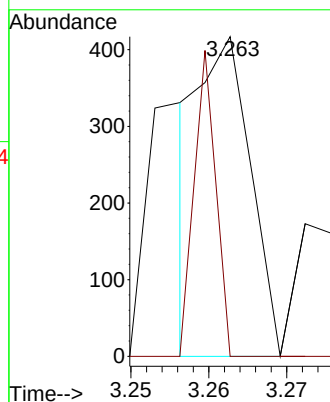
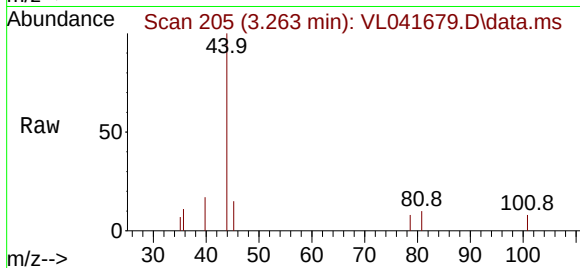
VSTDIC0.03

Tgt Ion: 45 Resp: 191

Ion Ratio Lower Upper

45 100

46 40.3 13.8 55.2



#14

Bromoethene

Concen: 0.015 ppbv

RT: 3.366 min Scan# 237

Delta R.T. 0.003 min

Lab File: VL041679.D

Acq: 7 Nov 2024 13:31

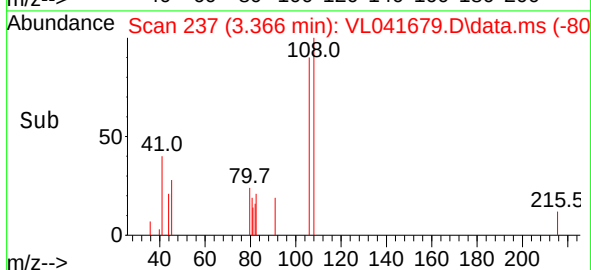
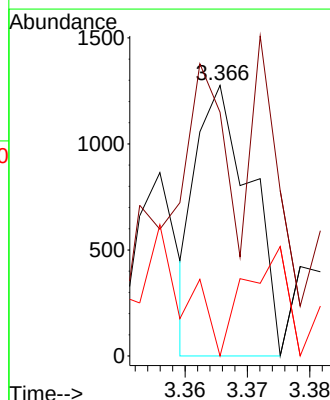
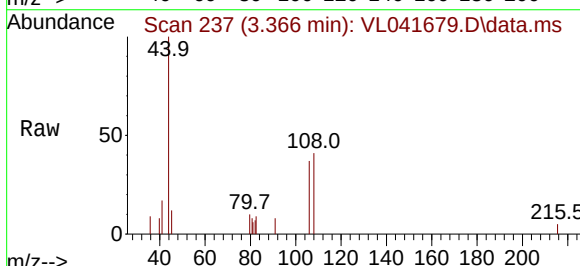
Tgt Ion: 108 Resp: 767

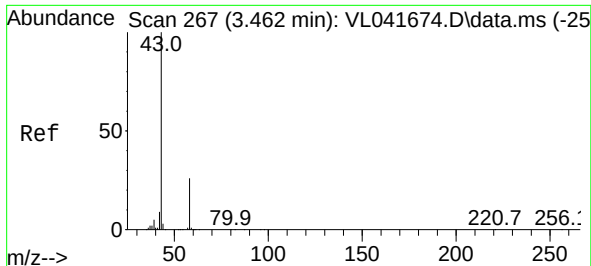
Ion Ratio Lower Upper

108 100

106 0.0 88.6 133.0#

79 0.0 15.6 23.4#





#15

Acetone

Concen: 0.002 ppbv

RT: 3.462 min Scan# 2

Delta R.T. 0.000 min

Lab File: VL041679.D

Acq: 7 Nov 2024 13:31

Instrument :

MSVOA_L

ClientSampleId :

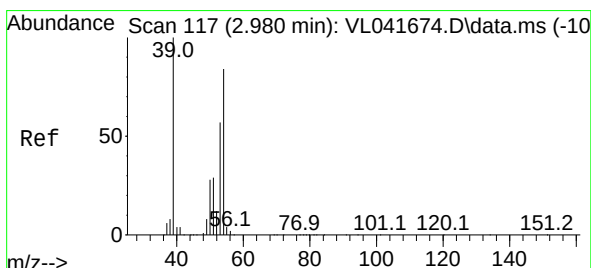
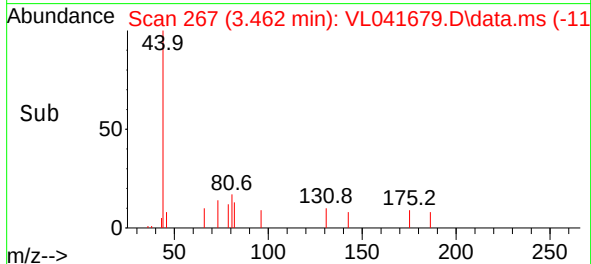
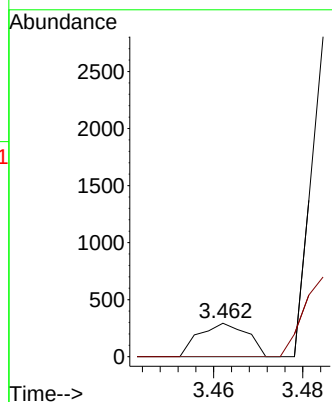
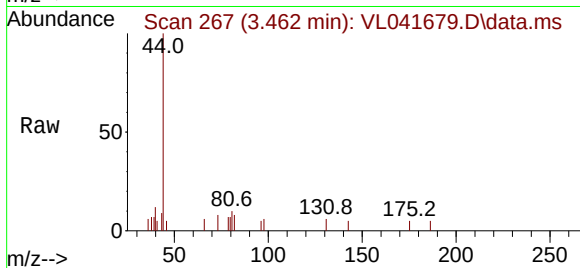
VSTDICC0.03

Tgt Ion: 43 Resp: 221

Ion Ratio Lower Upper

43 100

58 0.0 21.4 32.0#



#16

1,3-Butadiene

Concen: 0.024 ppbv

RT: 2.980 min Scan# 117

Delta R.T. 0.000 min

Lab File: VL041679.D

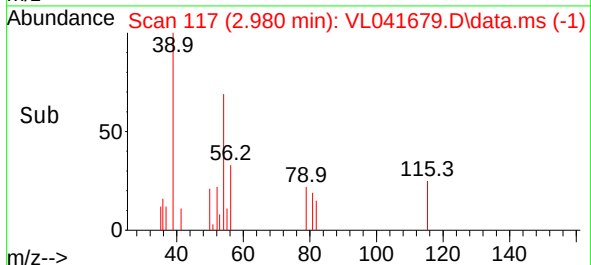
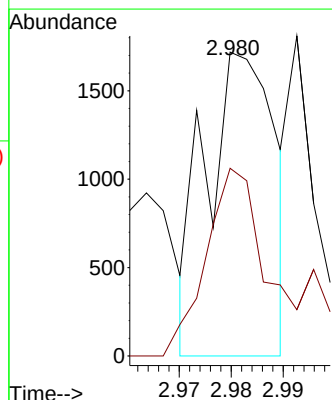
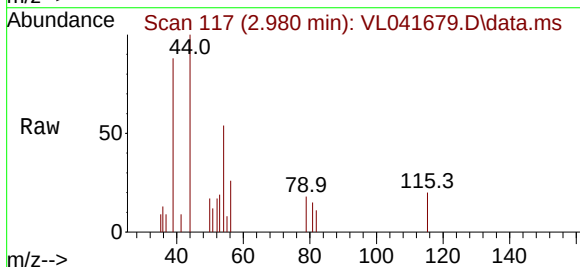
Acq: 7 Nov 2024 13:31

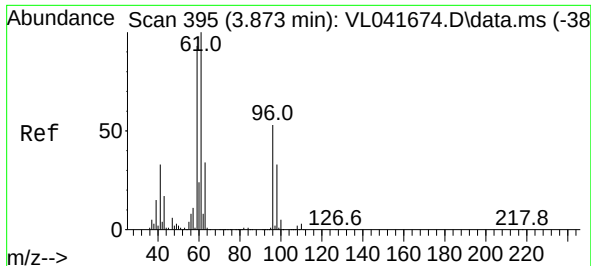
Tgt Ion: 39 Resp: 1582

Ion Ratio Lower Upper

39 100

54 70.1 61.3 91.9

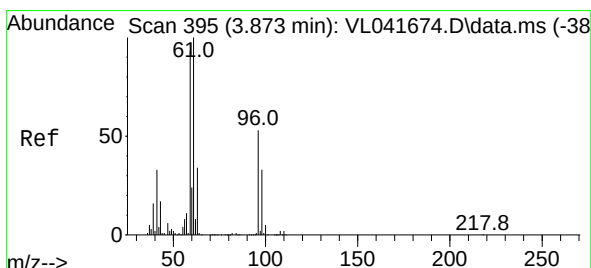
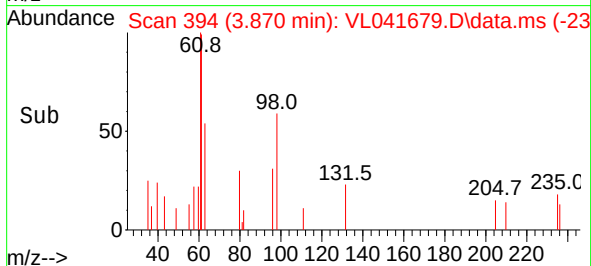
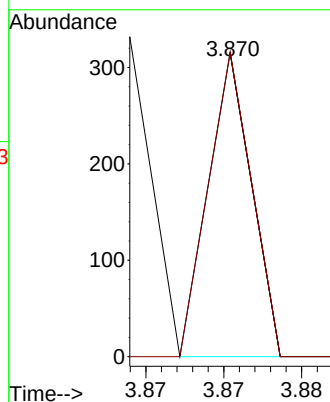
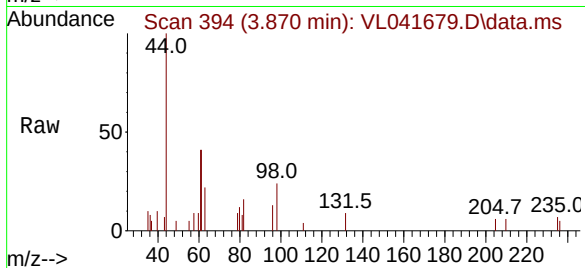




#17
tert-Butyl alcohol
Concen: 0.001 ppbv
RT: 3.870 min Scan# 394
Delta R.T. -0.003 min
Lab File: VL041679.D
Acq: 7 Nov 2024 13:31

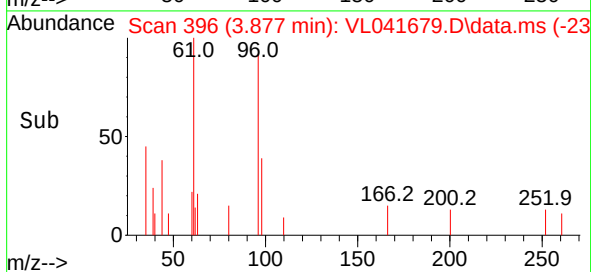
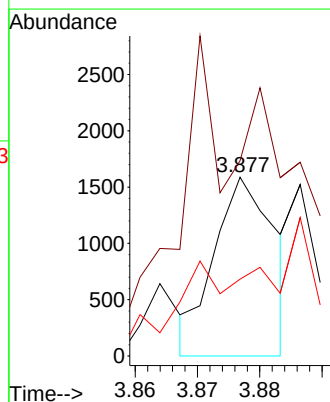
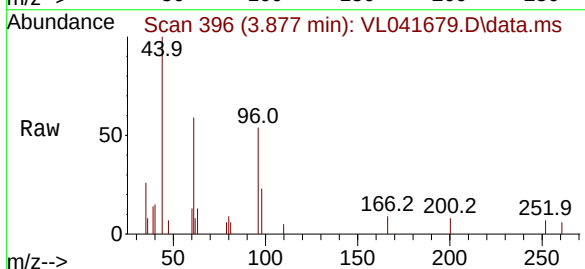
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

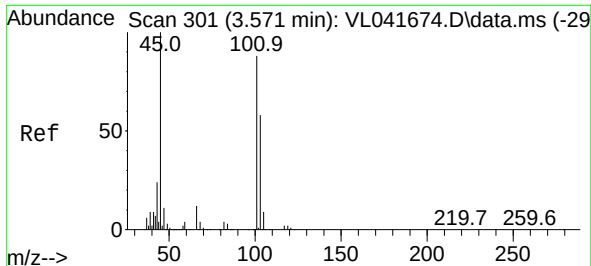
Tgt Ion: 59 Resp: 61
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#18
1,1-Dichloroethene
Concen: 0.020 ppbv
RT: 3.877 min Scan# 396
Delta R.T. 0.003 min
Lab File: VL041679.D
Acq: 7 Nov 2024 13:31

Tgt Ion: 96 Resp: 1065
Ion Ratio Lower Upper
96 100
61 84.3 150.7 226.1#
98 16.7 49.4 74.2#





#19

Isopropyl Alcohol

Concen: 0.002 ppbv

RT: 3.578 min Scan# 301

Delta R.T. 0.007 min

Lab File: VL041679.D

Acq: 7 Nov 2024 13:31

Instrument :

MSVOA_1

ClientSampleId :

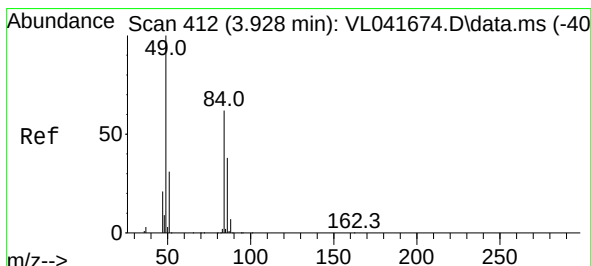
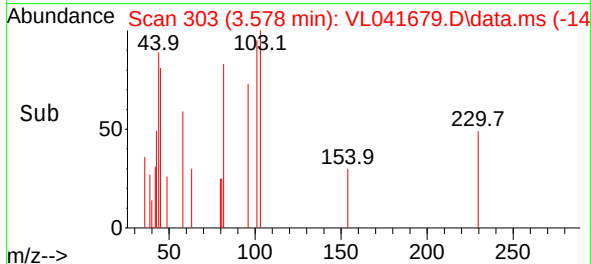
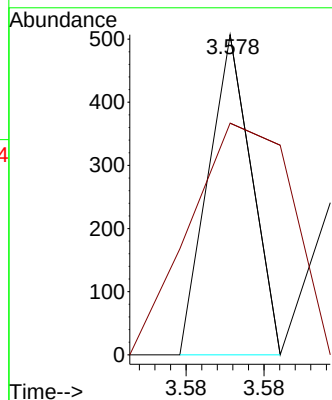
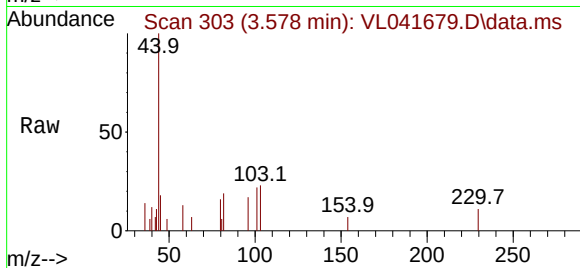
VSTDIC0.03

Tgt Ion: 45 Resp: 98

Ion Ratio Lower Upper

45 100

58 0.0 2.5 3.7#



#20

Methylene Chloride

Concen: 0.162 ppbv

RT: 3.932 min Scan# 413

Delta R.T. 0.003 min

Lab File: VL041679.D

Acq: 7 Nov 2024 13:31

Tgt Ion: 84 Resp: 7989

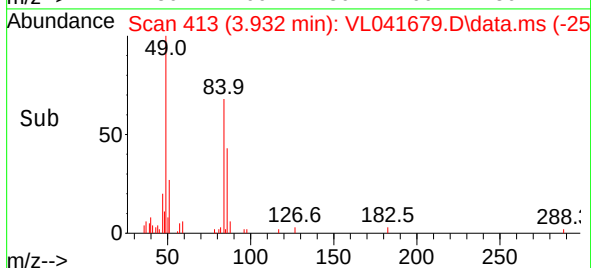
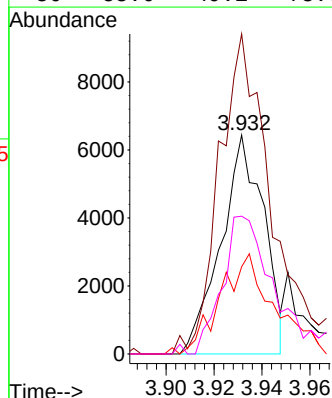
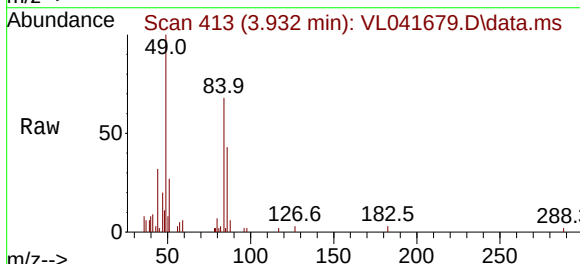
Ion Ratio Lower Upper

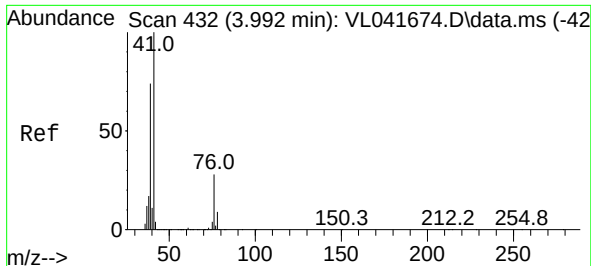
84 100

49 137.8 129.7 194.5

51 39.8 39.8 59.6

86 58.6 49.1 73.7





#21

Allyl Chloride

Concen: 0.014 ppbv

RT: 3.996 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041679.D

Acq: 7 Nov 2024 13:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

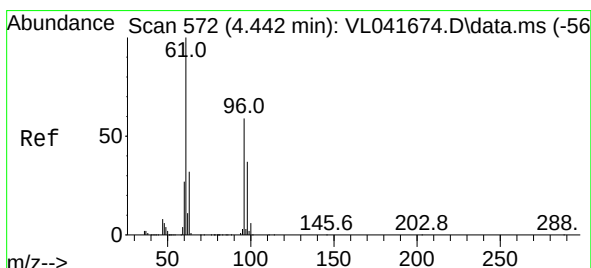
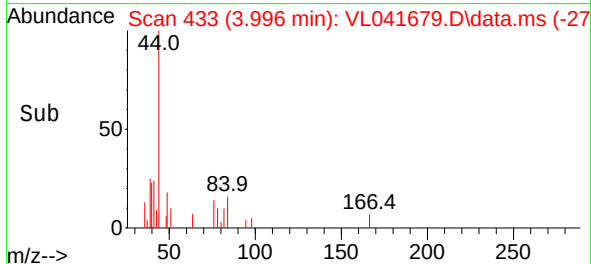
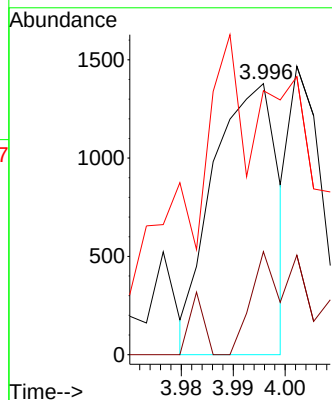
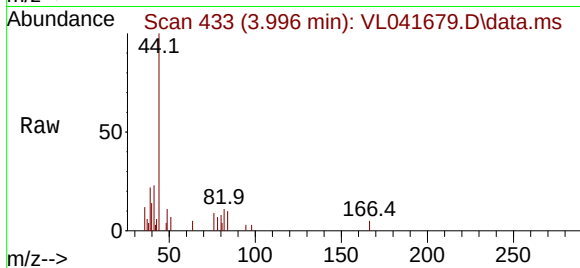
Tgt Ion: 41 Resp: 1190

Ion Ratio Lower Upper

41 100

76 36.8 23.5 35.3#

39 258.9 63.0 94.4#



#22

trans-1,2-Dichloroethene

Concen: 0.010 ppbv

RT: 4.449 min Scan# 574

Delta R.T. 0.007 min

Lab File: VL041679.D

Acq: 7 Nov 2024 13:31

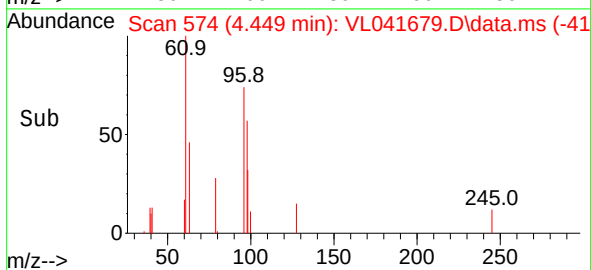
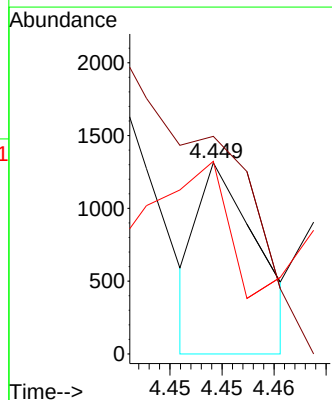
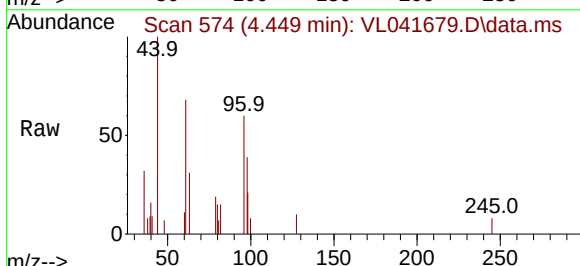
Tgt Ion: 96 Resp: 520

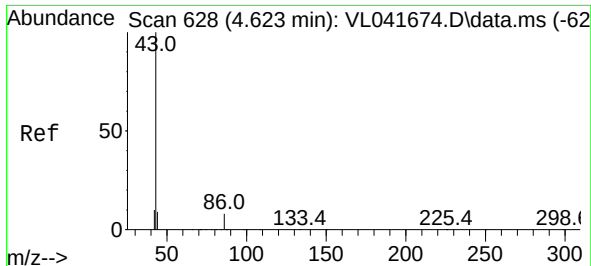
Ion Ratio Lower Upper

96 100

61 127.4 134.5 201.7#

98 97.3 49.6 74.4#

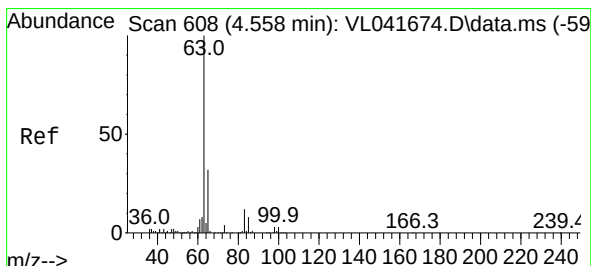
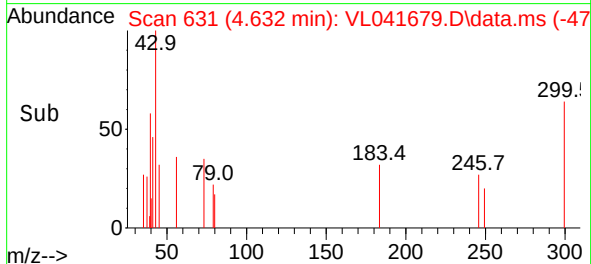
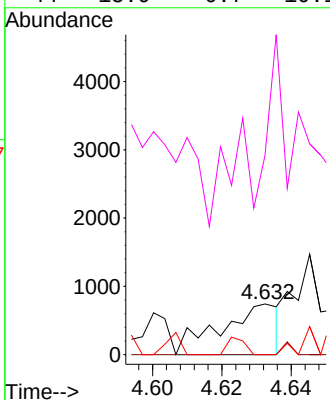
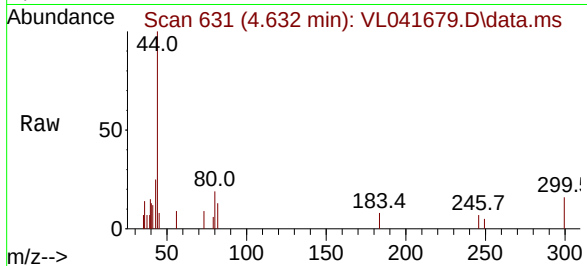




#23
 Vinyl Acetate
 Concen: 0.014 ppbv
 RT: 4.632 min Scan# 61
 Delta R.T. 0.010 min
 Lab File: VL041679.D
 Acq: 7 Nov 2024 13:31

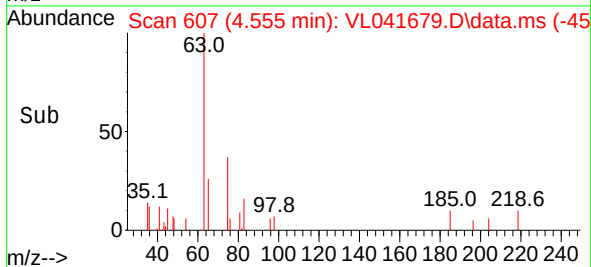
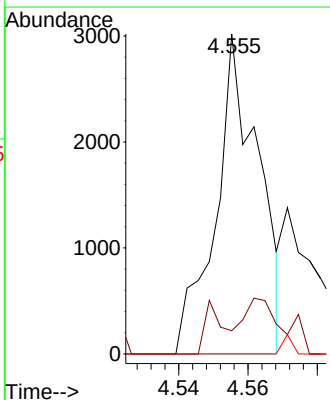
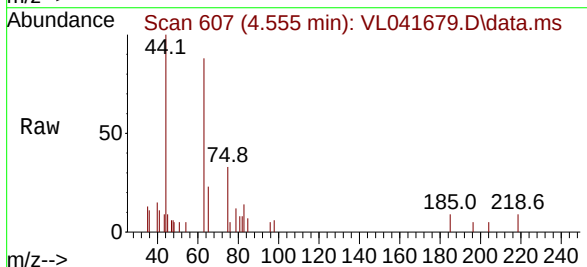
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.03

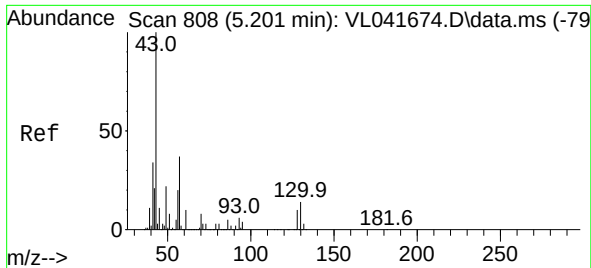
Tgt Ion:	43	Resp:	855
Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.3	7.9#
42	0.0	8.5	12.7#
44	13.9	6.7	10.1#



#24
 1,1-Dichloroethane
 Concen: 0.021 ppbv
 RT: 4.555 min Scan# 607
 Delta R.T. -0.003 min
 Lab File: VL041679.D
 Acq: 7 Nov 2024 13:31

Tgt Ion:	63	Resp:	2589
Ion	Ratio	Lower	Upper
63	100		
98	7.3	1.8	5.4#
100	0.0	1.4	4.2#



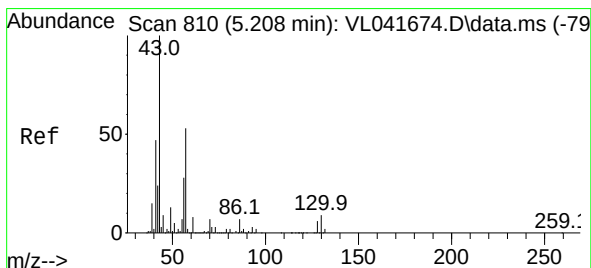
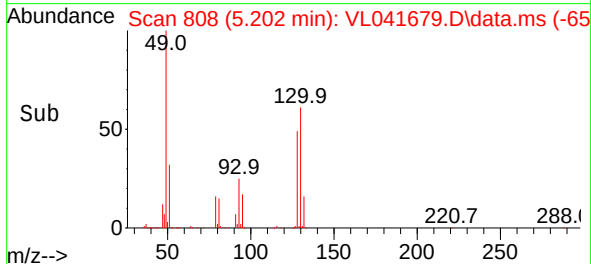
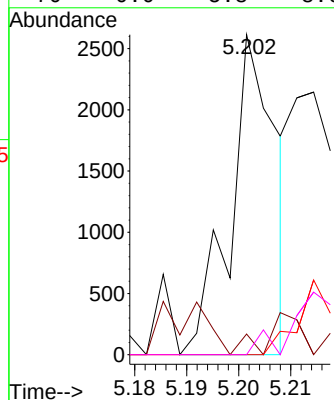
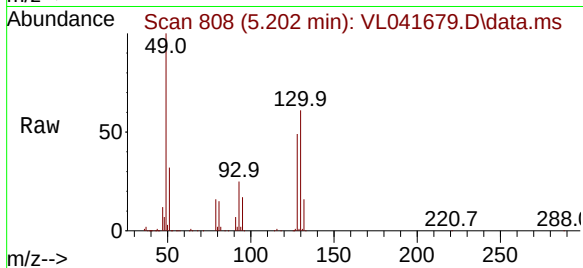


#25
Ethyl Acetate
Concen: 0.006 ppbv
RT: 5.202 min Scan# 808
Delta R.T. 0.000 min
Lab File: VL041679.D
Acq: 7 Nov 2024 13:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 43 Resp: 1588

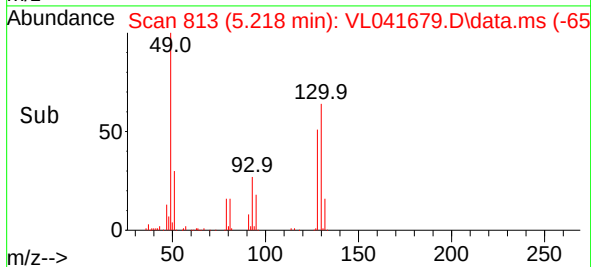
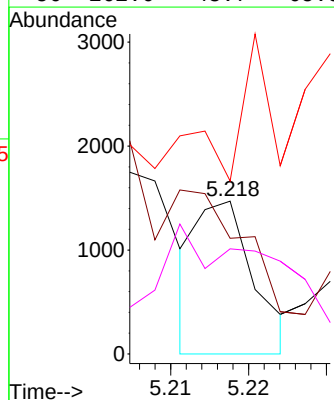
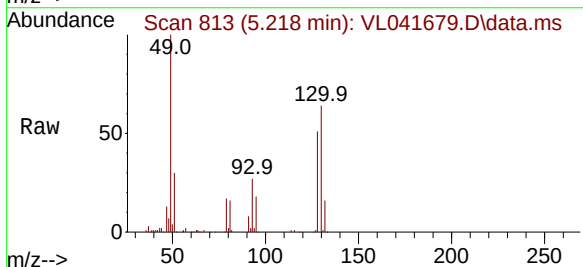
Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.6	13.0#
61	0.0	8.4	12.6#
70	0.0	5.8	8.6#

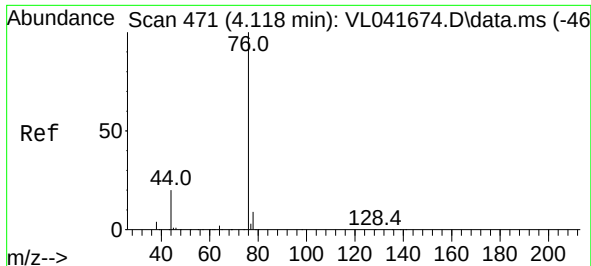


#26
Hexane
Concen: 0.007 ppbv
RT: 5.218 min Scan# 813
Delta R.T. 0.010 min
Lab File: VL041679.D
Acq: 7 Nov 2024 13:31

Tgt Ion: 57 Resp: 745

Ion	Ratio	Lower	Upper
57	100		
41	0.0	76.1	114.1#
43	958.1	207.0	310.6#
56	262.0	43.7	65.5#





#27

Carbon Disulfide

Concen: 0.015 ppbv

RT: 4.124 min Scan# 41

Delta R.T. 0.007 min

Lab File: VL041679.D

Acq: 7 Nov 2024 13:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.03

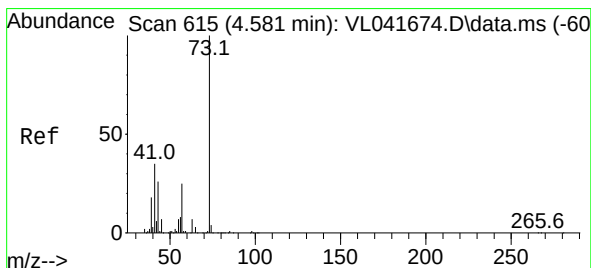
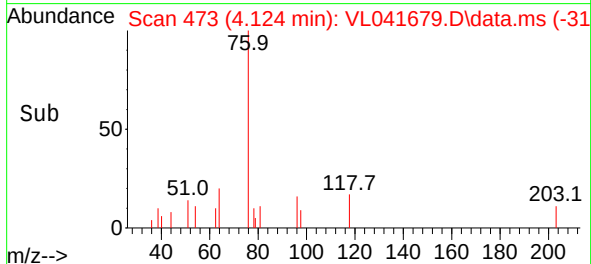
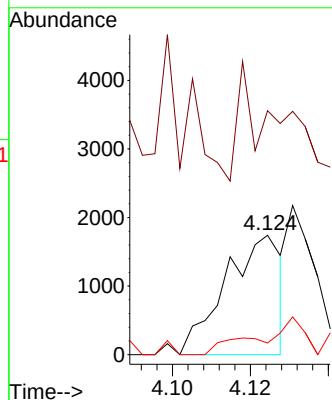
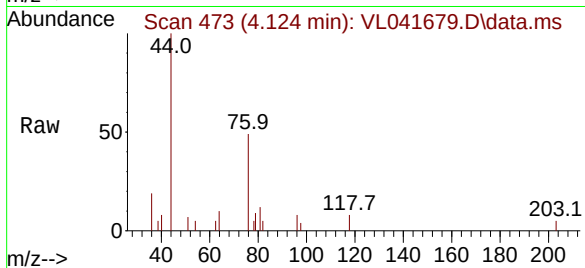
Tgt Ion: 76 Resp: 1735

Ion Ratio Lower Upper

76 100

44 273.2 15.8 23.8#

78 0.0 7.5 11.3#



#28

Methyl tert-Butyl Ether

Concen: 0.011 ppbv

RT: 4.613 min Scan# 625

Delta R.T. 0.032 min

Lab File: VL041679.D

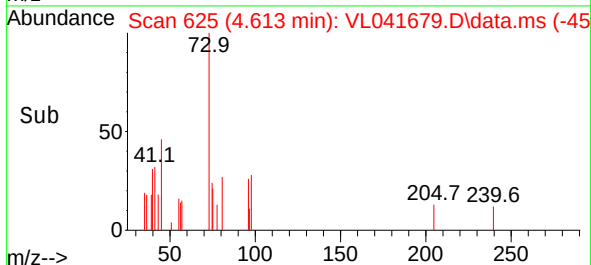
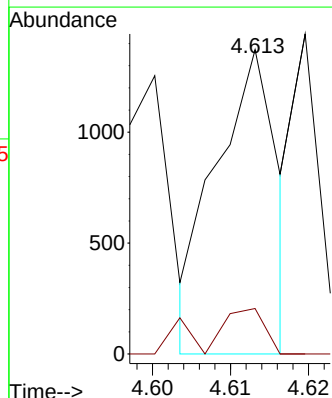
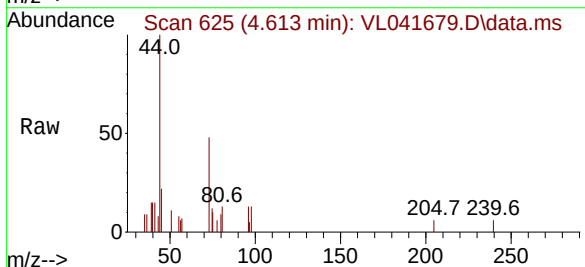
Acq: 7 Nov 2024 13:31

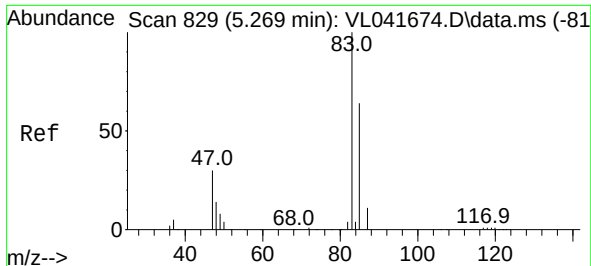
Tgt Ion: 73 Resp: 754

Ion Ratio Lower Upper

73 100

57 22.5 19.6 29.4





#29

Chloroform

Concen: 0.002 ppbv

RT: 5.292 min Scan# 84

Delta R.T. 0.023 min

Lab File: VL041679.D

Acq: 7 Nov 2024 13:31

Instrument :

MSVOA_L

ClientSampleId :

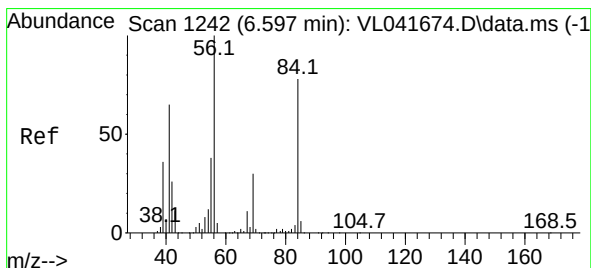
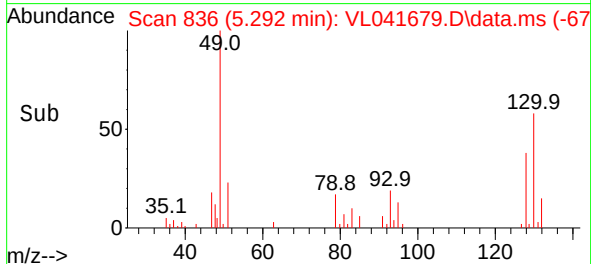
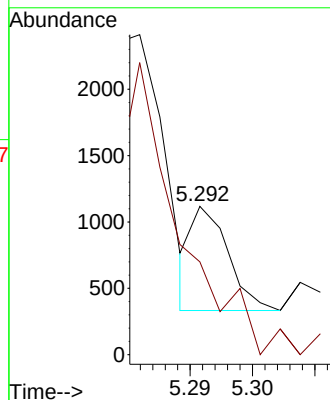
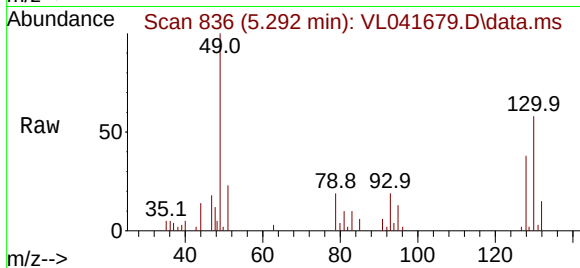
VSTDICC0.03

Tgt Ion: 83 Resp: 318

Ion Ratio Lower Upper

83 100

85 64.3 51.1 76.7



#30

Cyclohexane

Concen: 0.008 ppbv

RT: 6.603 min Scan# 1244

Delta R.T. 0.007 min

Lab File: VL041679.D

Acq: 7 Nov 2024 13:31

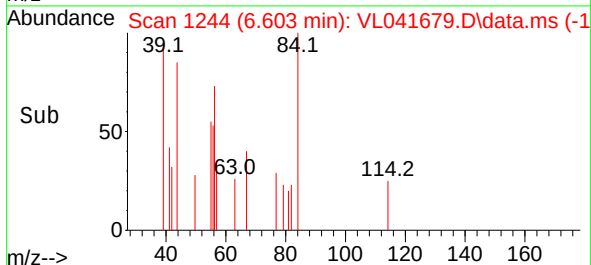
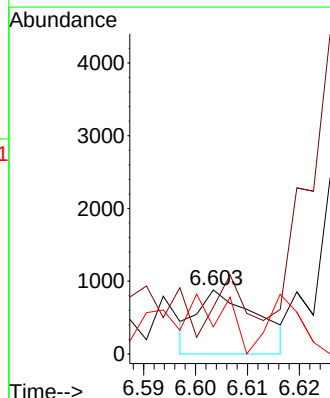
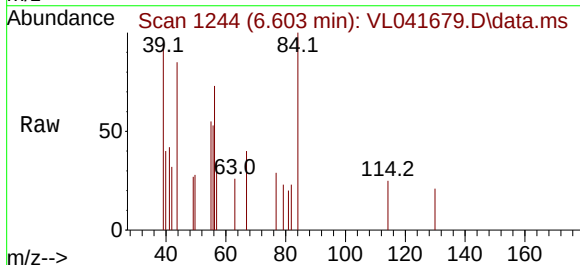
Tgt Ion: 84 Resp: 702

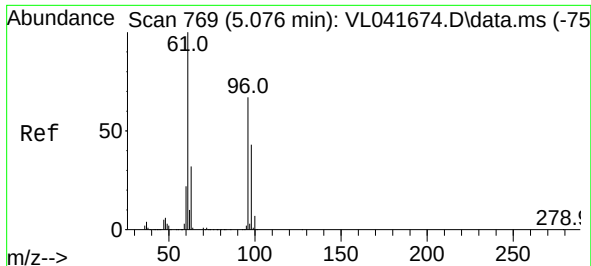
Ion Ratio Lower Upper

84 100

56 0.0 110.8 166.2#

41 180.5 70.0 105.0#





#31

cis-1,2-Dichloroethene

Concen: 0.004 ppbv

RT: 5.086 min Scan# 7

Delta R.T. 0.010 min

Lab File: VL041679.D

Acq: 7 Nov 2024 13:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.03

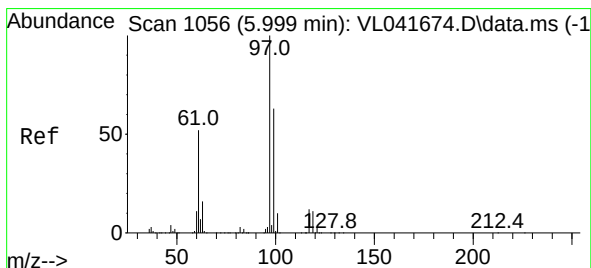
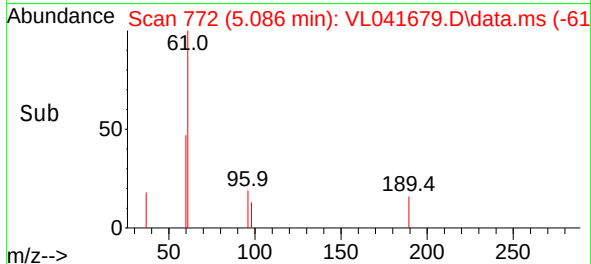
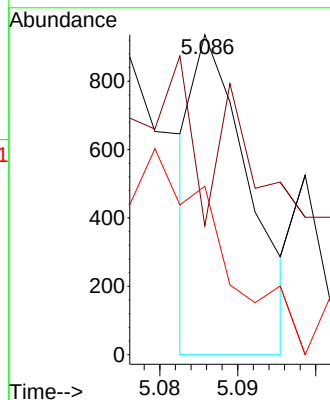
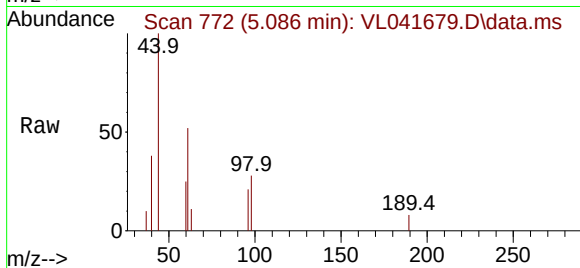
Tgt Ion: 61 Resp: 458

Ion Ratio Lower Upper

61 100

96 0.0 53.4 80.2#

98 44.9 34.0 51.0



#32

1,1,1-Trichloroethane

Concen: 0.009 ppbv

RT: 6.005 min Scan# 1058

Delta R.T. 0.007 min

Lab File: VL041679.D

Acq: 7 Nov 2024 13:31

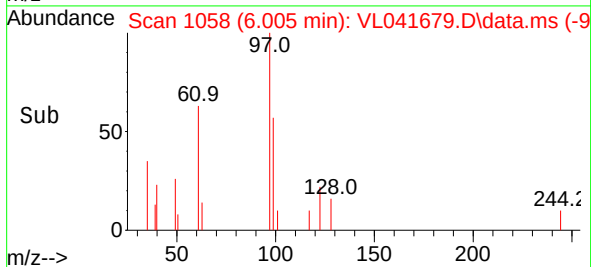
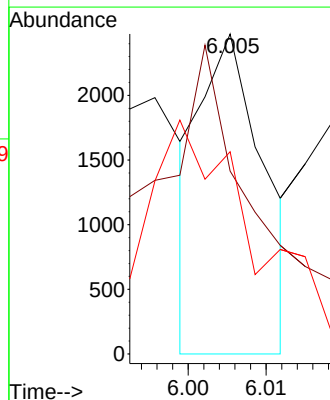
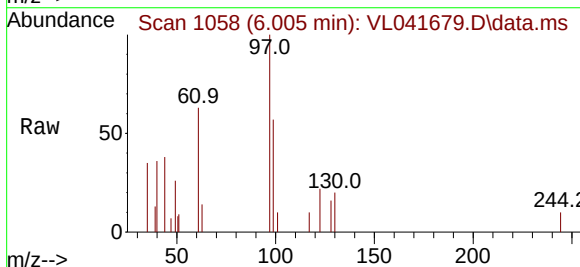
Tgt Ion: 97 Resp: 1403

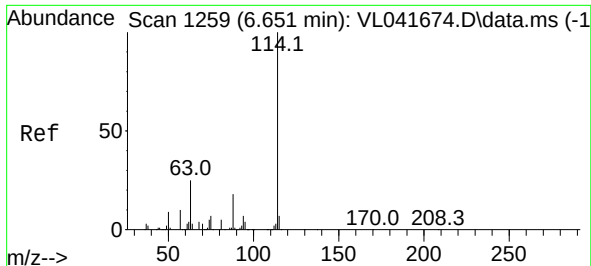
Ion Ratio Lower Upper

97 100

99 234.5 51.4 77.2#

61 176.7 41.7 62.5#

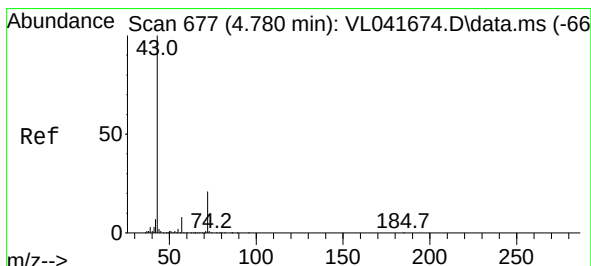
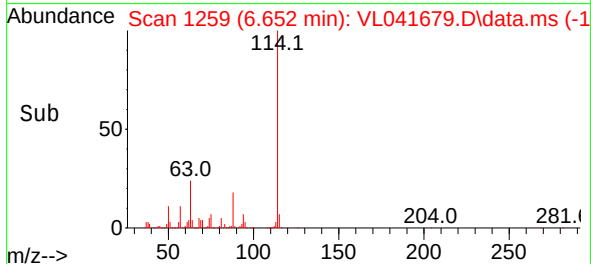
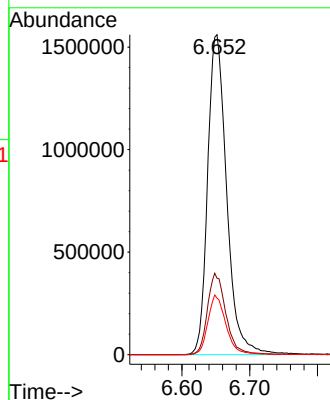
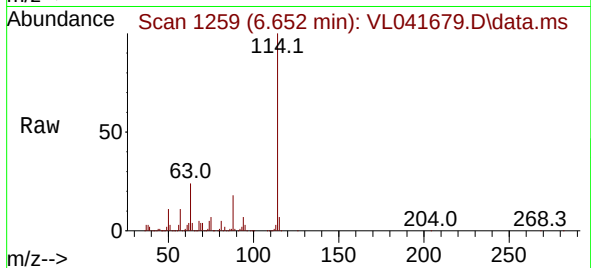




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.652 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL041679.D
Acq: 7 Nov 2024 13:31

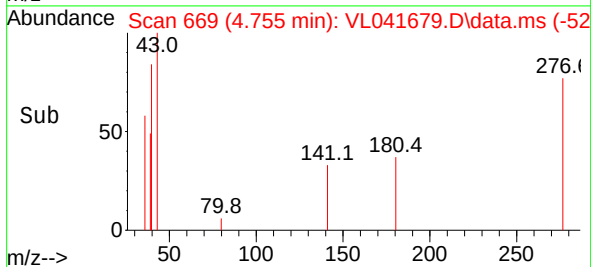
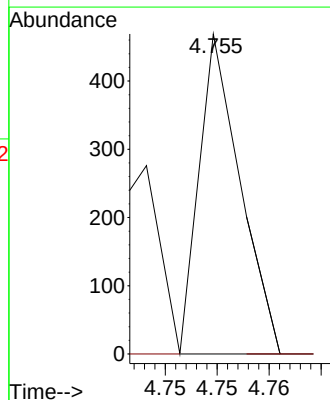
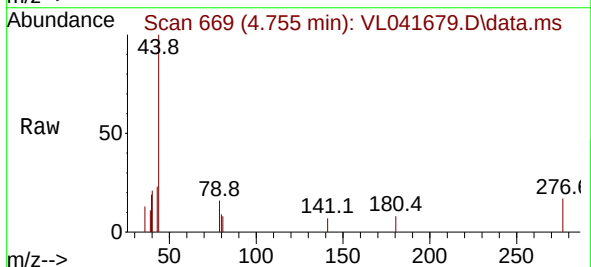
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

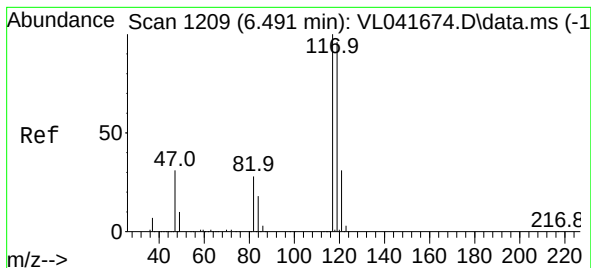
Tgt Ion:114 Resp: 3041887
Ion Ratio Lower Upper
114 100
63 24.9 20.3 30.5
88 17.8 14.2 21.4



#34
2-Butanone
Concen: 0.001 ppbv
RT: 4.755 min Scan# 669
Delta R.T. -0.025 min
Lab File: VL041679.D
Acq: 7 Nov 2024 13:31

Tgt Ion: 43 Resp: 129
Ion Ratio Lower Upper
43 100
72 0.0 17.4 26.0#





#35

Carbon Tetrachloride

Concen: 0.012 ppbv

RT: 6.491 min Scan# 1170

Delta R.T. 0.000 min

Lab File: VL041679.D

Acq: 7 Nov 2024 13:31

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.03

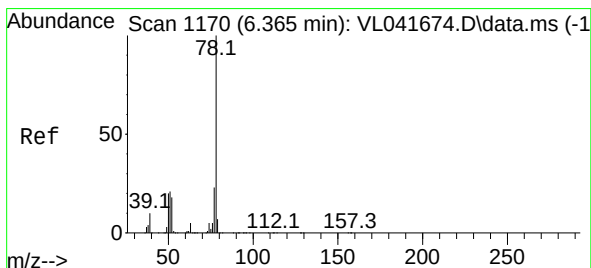
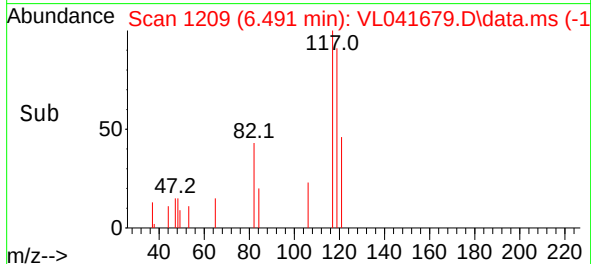
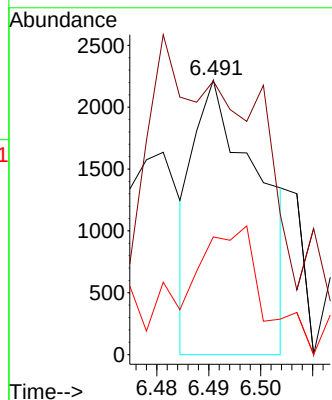
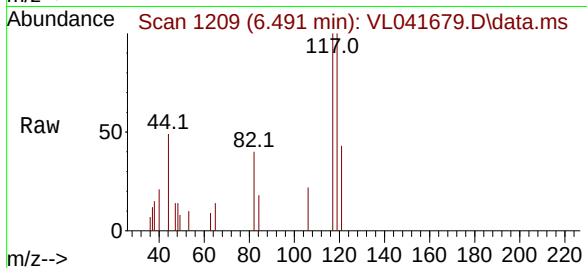
Tgt Ion:117 Resp: 1934

Ion Ratio Lower Upper

117 100

119 110.3 77.2 115.8

121 68.3 25.0 37.4#



#36

Benzene

Concen: 0.009 ppbv

RT: 6.372 min Scan# 1172

Delta R.T. 0.007 min

Lab File: VL041679.D

Acq: 7 Nov 2024 13:31

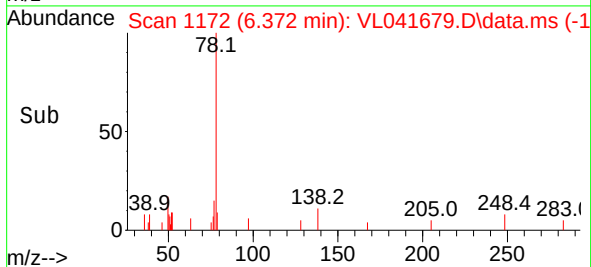
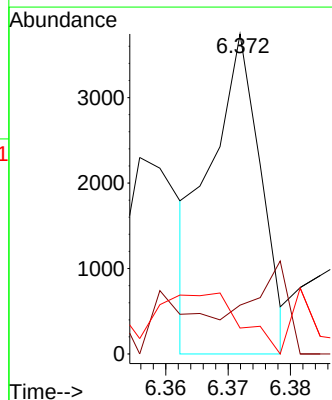
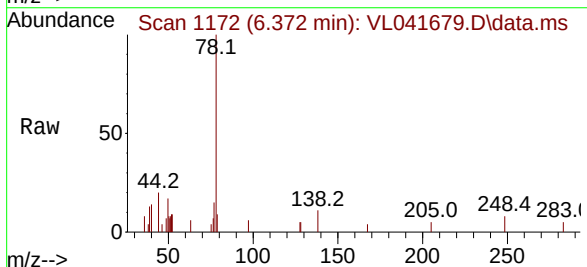
Tgt Ion: 78 Resp: 2104

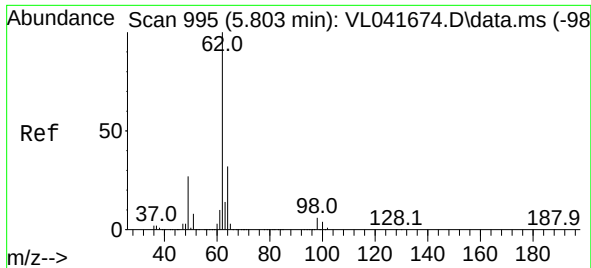
Ion Ratio Lower Upper

78 100

77 0.0 18.5 27.7#

50 8.6 15.6 23.4#

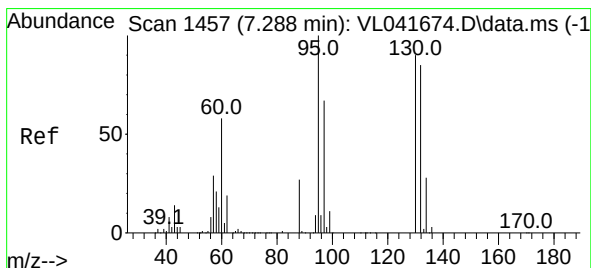
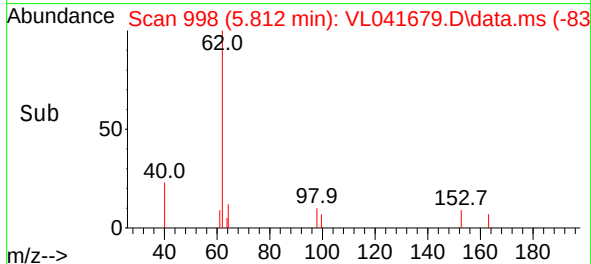
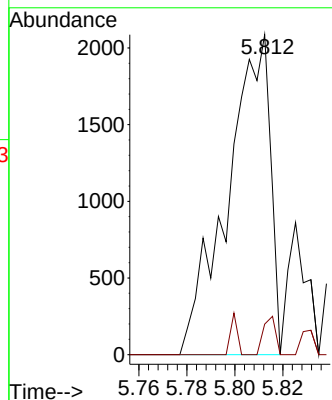
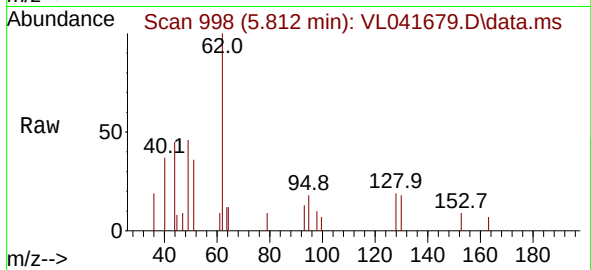




#37
1,2-Dichloroethane
Concen: 0.020 ppbv
RT: 5.812 min Scan# 995
Delta R.T. 0.010 min
Lab File: VL041679.D
Acq: 7 Nov 2024 13:31

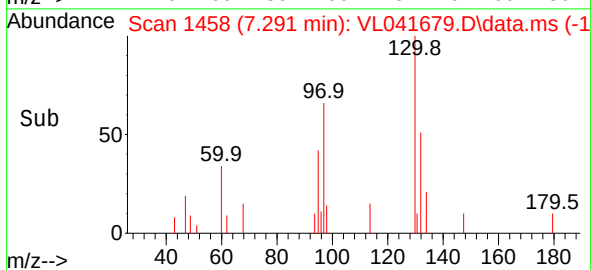
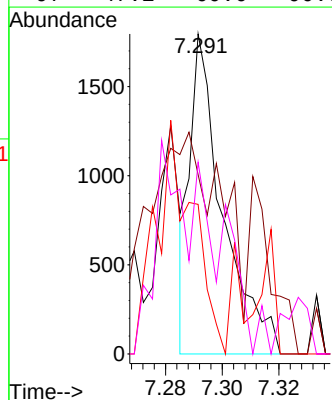
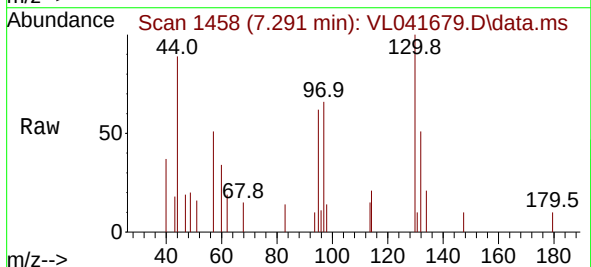
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

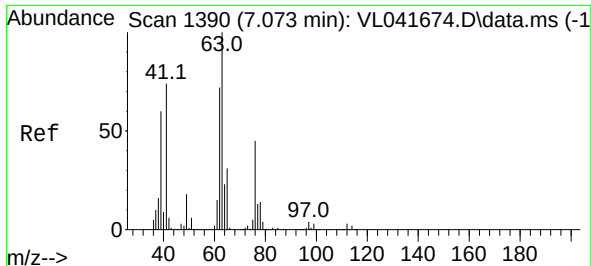
Tgt Ion: 62 Resp: 2581
Ion Ratio Lower Upper
62 100
98 7.7 5.2 7.8



#38
Trichloroethene
Concen: 0.017 ppbv
RT: 7.291 min Scan# 1458
Delta R.T. 0.003 min
Lab File: VL041679.D
Acq: 7 Nov 2024 13:31

Tgt Ion:130 Resp: 1440
Ion Ratio Lower Upper
130 100
95 38.0 89.1 133.7#
132 46.7 75.7 113.5#
97 47.2 60.0 90.0#





#39

1,2-Dichloropropane

Concen: 8.427 ppbv

RT: 6.648 min Scan# 11

Delta R.T. -0.424 min

Lab File: VL041679.D

Acq: 7 Nov 2024 13:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.03

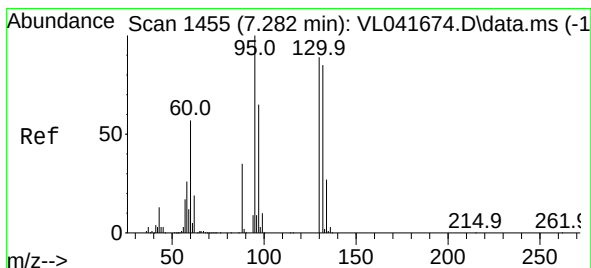
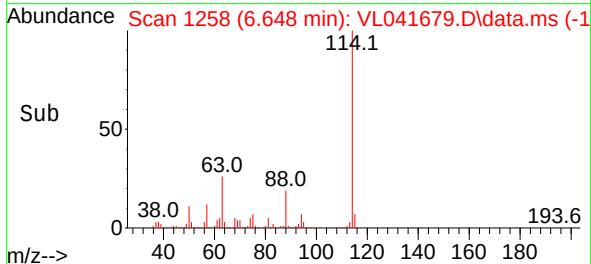
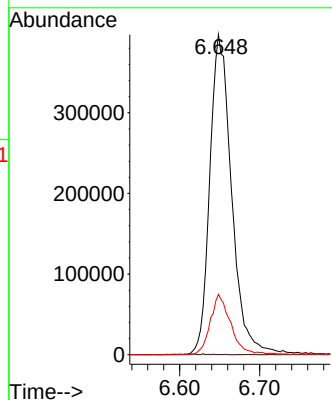
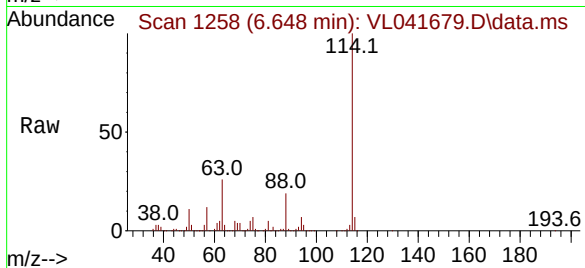
Tgt Ion: 63 Resp: 750579

Ion Ratio Lower Upper

63 100

41 0.1 59.1 88.7#

62 18.8 57.7 86.5#



#40

1,4-Dioxane

Concen: 0.001 ppbv

RT: 7.272 min Scan# 1452

Delta R.T. -0.009 min

Lab File: VL041679.D

Acq: 7 Nov 2024 13:31

Tgt Ion: 88 Resp: 41

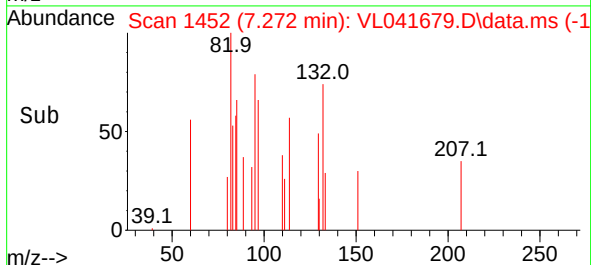
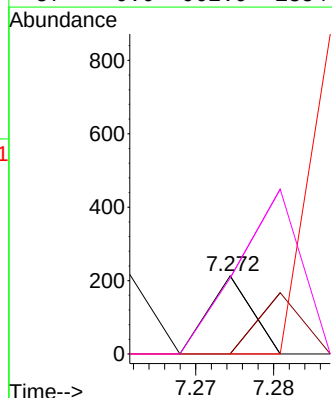
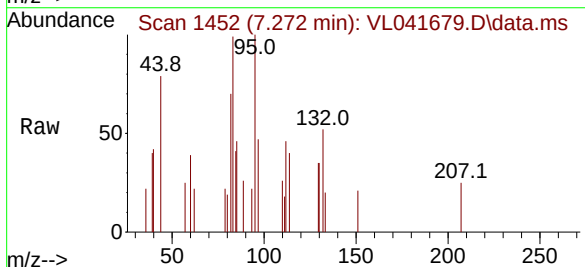
Ion Ratio Lower Upper

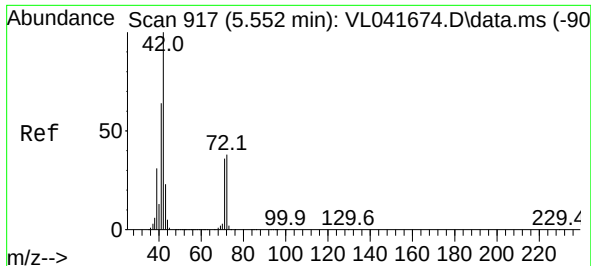
88 100

58 0.0 101.4 152.2#

43 0.0 208.0 312.0#

57 0.0 902.9 1354.3#





#41

Tetrahydrofuran

Concen: 0.014 ppbv

RT: 5.597 min Scan# 917

Delta R.T. 0.045 min

Lab File: VL041679.D

Acq: 7 Nov 2024 13:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

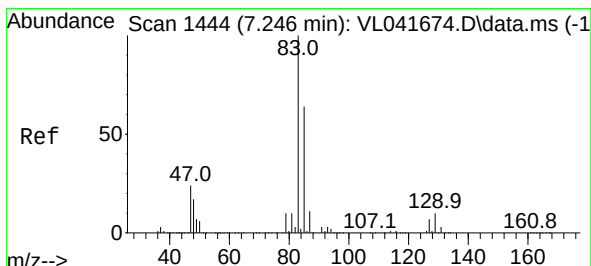
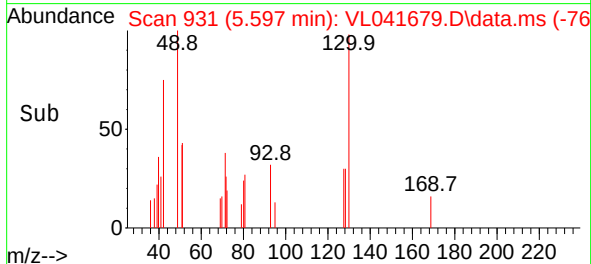
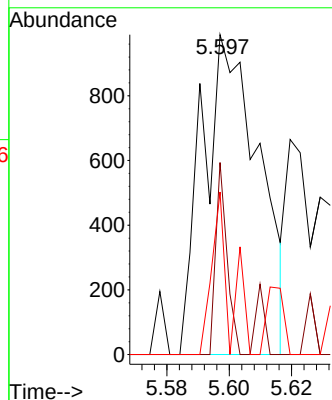
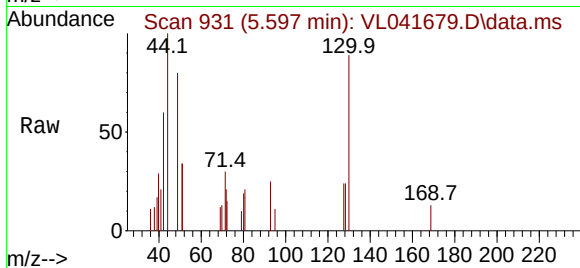
Tgt Ion: 42 Resp: 1248

Ion Ratio Lower Upper

42 100

72 18.3 29.8 44.6#

71 4.0 29.4 44.2#



#42

Bromodichloromethane

Concen: 0.008 ppbv

RT: 7.246 min Scan# 1444

Delta R.T. 0.000 min

Lab File: VL041679.D

Acq: 7 Nov 2024 13:31

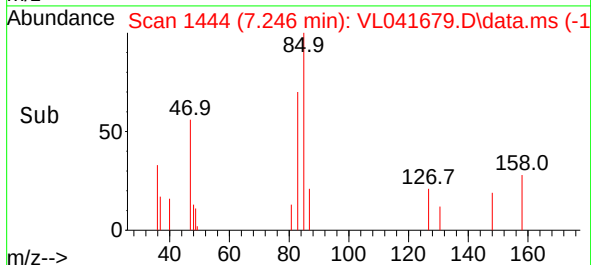
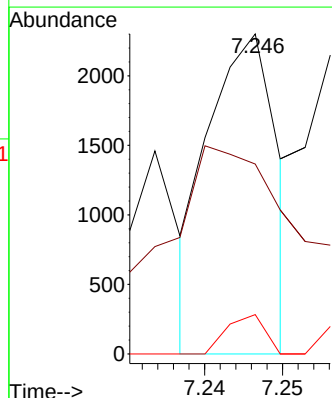
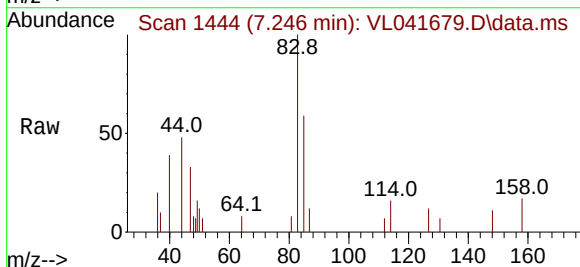
Tgt Ion: 83 Resp: 1411

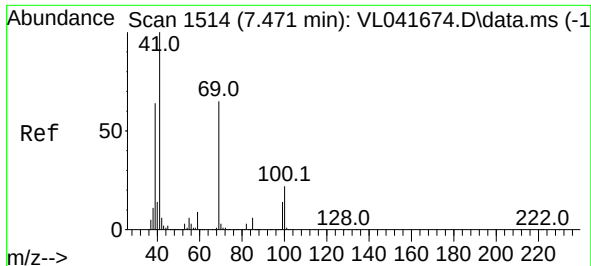
Ion Ratio Lower Upper

83 100

85 36.4 51.2 76.8#

127 19.5 6.0 9.0#





#43

Methyl Methacrylate

Concen: 0.003 ppbv

RT: 7.472 min Scan# 1514

Delta R.T. 0.000 min

Lab File: VL041679.D

Acq: 7 Nov 2024 13:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.03

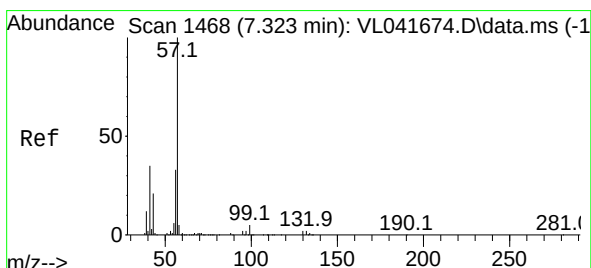
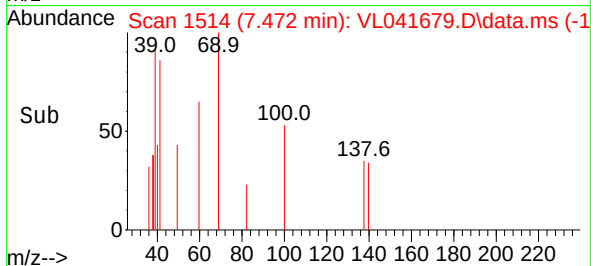
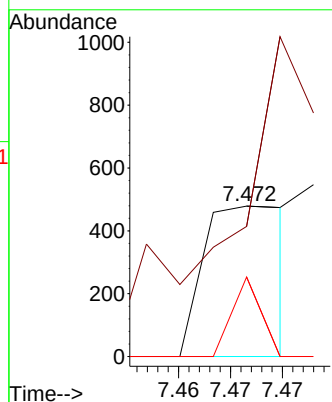
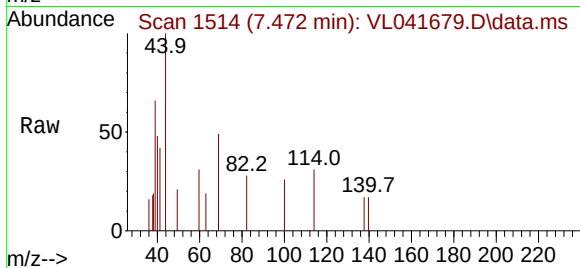
Tgt Ion: 69 Resp: 273

Ion Ratio Lower Upper

69 100

41 0.0 119.8 179.6#

100 0.0 27.3 40.9#



#44

2,2,4-Trimethylpentane

Concen: 0.003 ppbv

RT: 7.320 min Scan# 1467

Delta R.T. -0.003 min

Lab File: VL041679.D

Acq: 7 Nov 2024 13:31

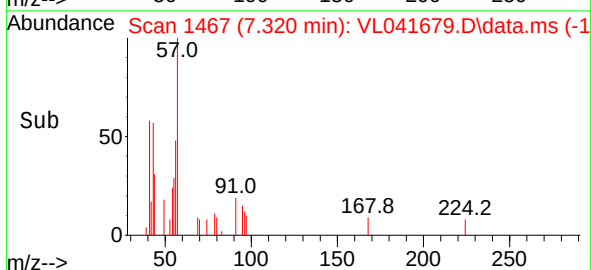
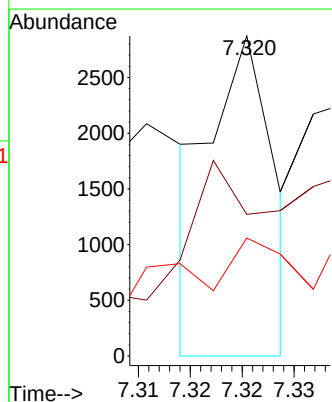
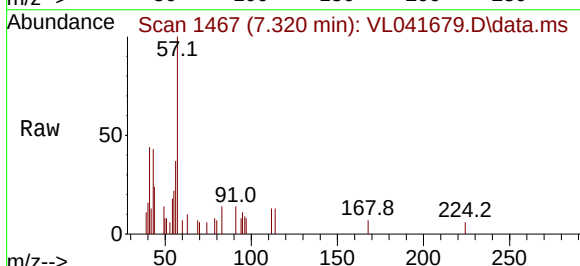
Tgt Ion: 57 Resp: 1208

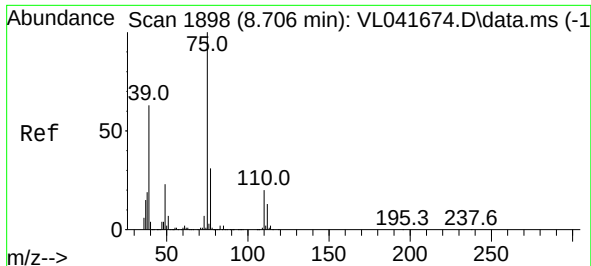
Ion Ratio Lower Upper

57 100

41 272.8 27.0 40.6#

56 0.0 25.8 38.6#





#45

t-1,3-Dichloropropene

Concen: 0.003 ppbv

RT: 8.706 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL041679.D

Acq: 7 Nov 2024 13:31

Instrument :

MSVOA_L

ClientSampleId :

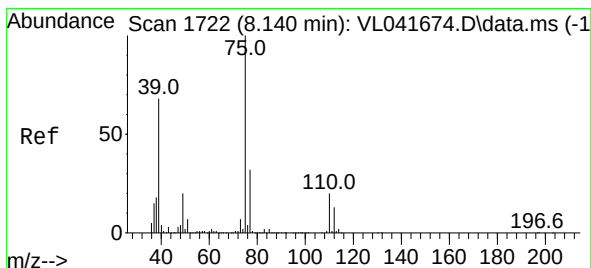
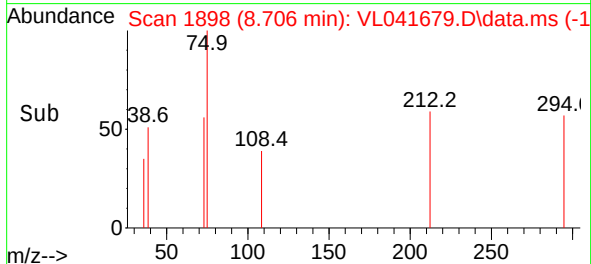
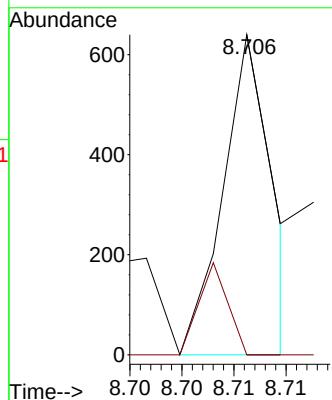
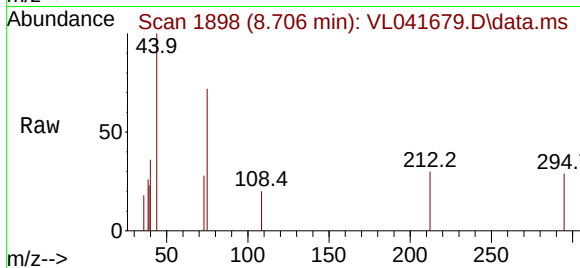
VSTDIC0.03

Tgt Ion: 75 Resp: 213

Ion Ratio Lower Upper

75 100

77 0.0 24.7 37.1#



#46

cis-1,3-Dichloropropene

Concen: 0.004 ppbv

RT: 8.147 min Scan# 1724

Delta R.T. 0.007 min

Lab File: VL041679.D

Acq: 7 Nov 2024 13:31

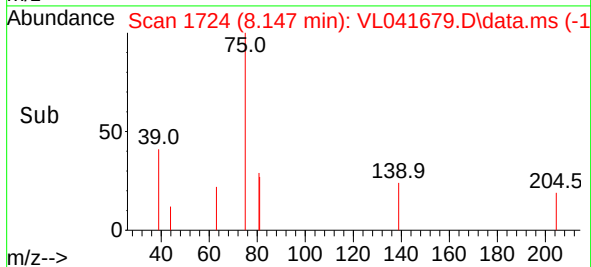
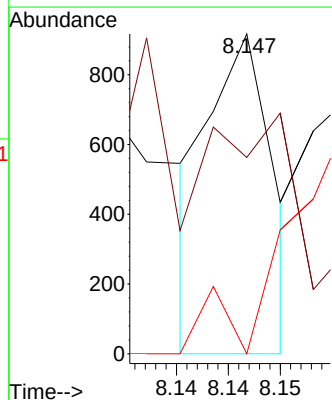
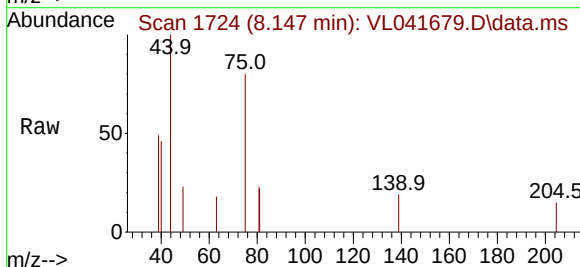
Tgt Ion: 75 Resp: 395

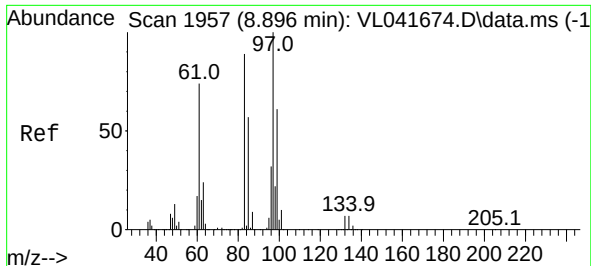
Ion Ratio Lower Upper

75 100

39 43.5 54.1 81.1#

77 0.0 25.3 37.9#





#47

1,1,2-Trichloroethane

Concen: 0.010 ppbv

RT: 8.896 min Scan# 1957

Delta R.T. 0.000 min

Lab File: VL041679.D

Acq: 7 Nov 2024 13:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Tgt Ion: 97 Resp: 998

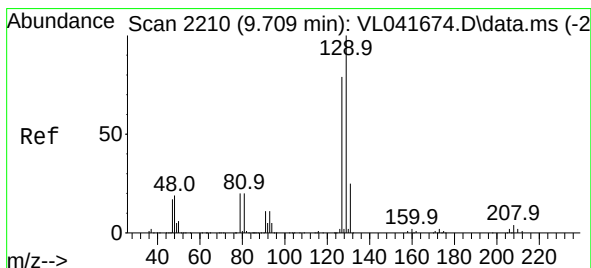
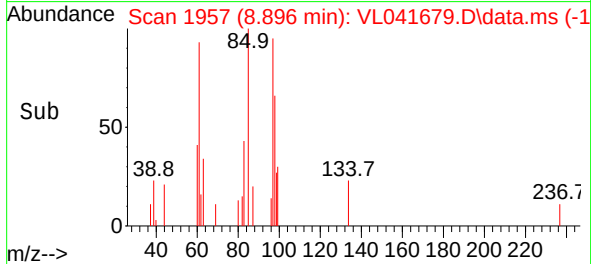
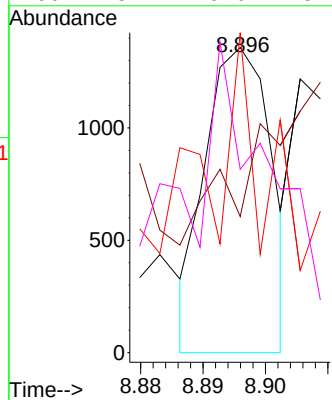
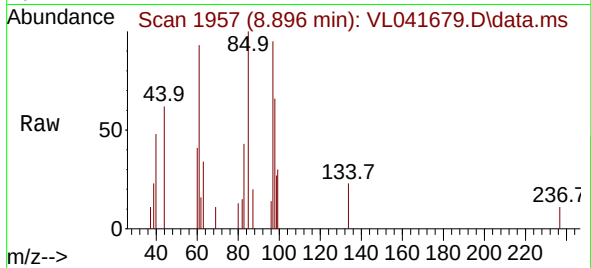
Ion Ratio Lower Upper

97 100

83 12.4 71.0 106.6#

85 49.7 45.4 68.2

99 8.4 49.0 73.6#



#48

Dibromochloromethane

Concen: 0.004 ppbv

RT: 9.716 min Scan# 2212

Delta R.T. 0.007 min

Lab File: VL041679.D

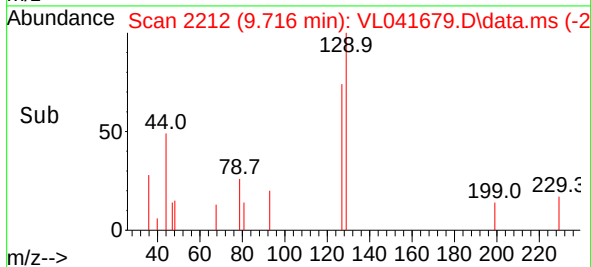
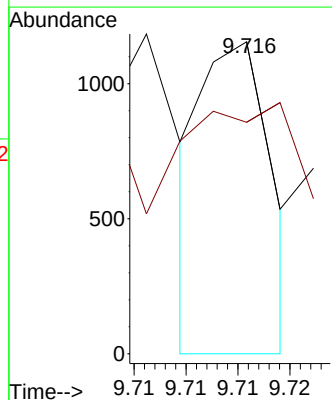
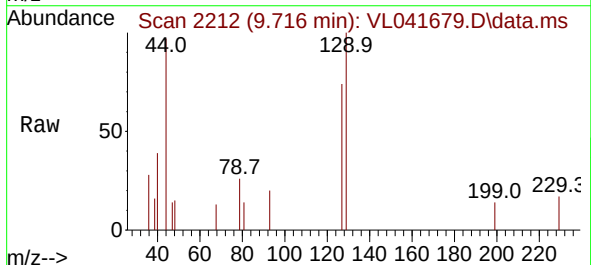
Acq: 7 Nov 2024 13:31

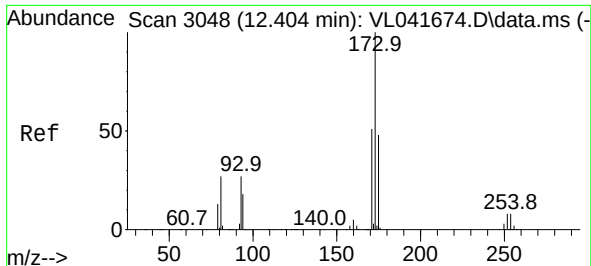
Tgt Ion: 129 Resp: 535

Ion Ratio Lower Upper

129 100

127 0.0 39.1 117.2#





#49

Bromoform

Concen: 0.006 ppbv

RT: 12.407 min Scan# 3048

Delta R.T. 0.003 min

Lab File: VL041679.D

Acq: 7 Nov 2024 13:31

Instrument :

MSVOA_1

ClientSampleId :

VSTDICC0.03

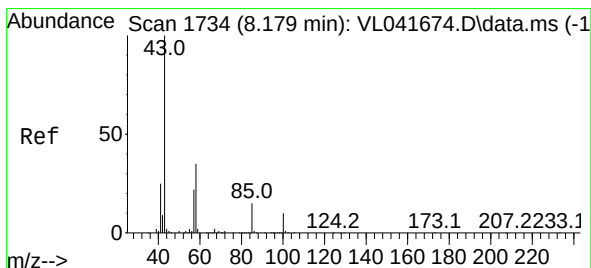
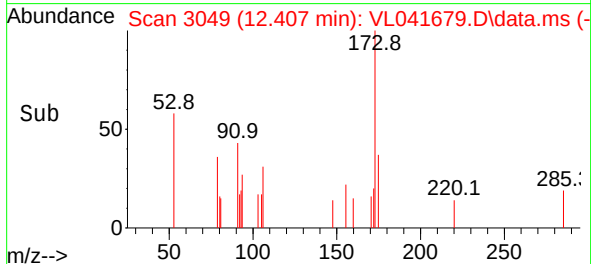
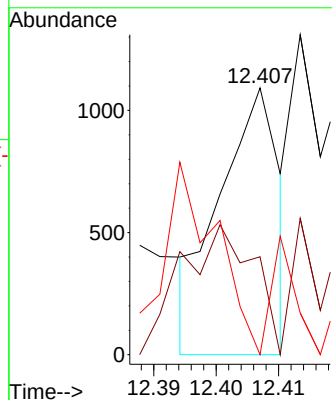
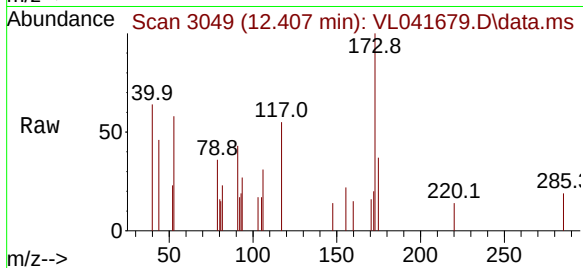
Tgt Ion:173 Resp: 728

Ion Ratio Lower Upper

173 100

175 0.0 39.2 58.8#

171 0.0 41.7 62.5#



#50

4-Methyl-2-Pentanone

Concen: 0.000 ppbv

RT: 8.163 min Scan# 1729

Delta R.T. -0.016 min

Lab File: VL041679.D

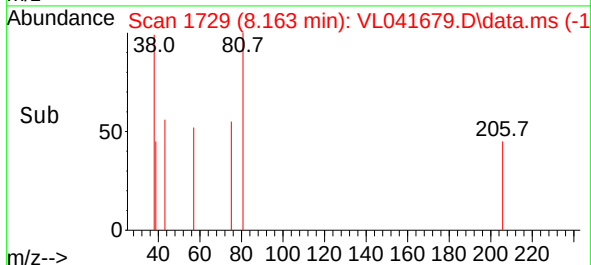
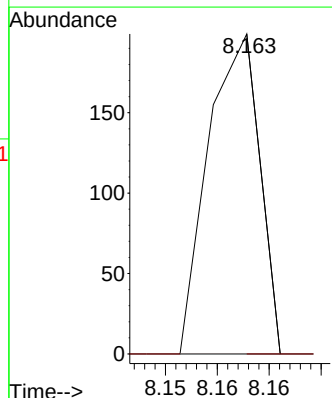
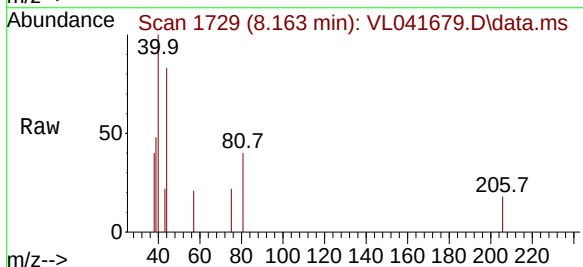
Acq: 7 Nov 2024 13:31

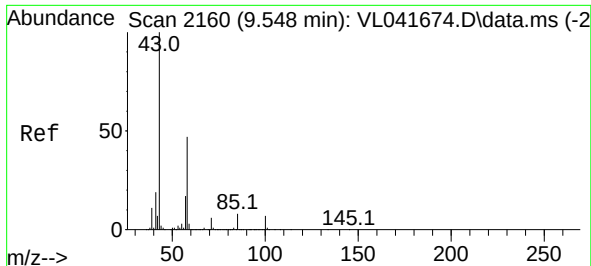
Tgt Ion: 43 Resp: 68

Ion Ratio Lower Upper

43 100

58 0.0 27.7 41.5#

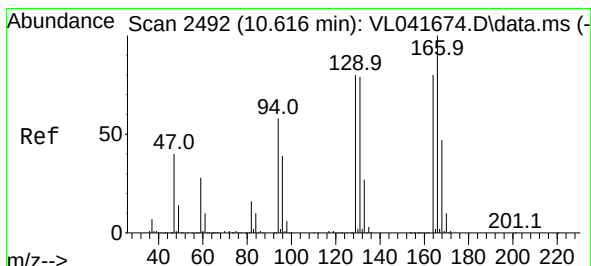
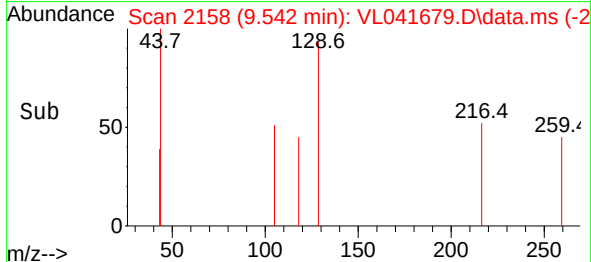
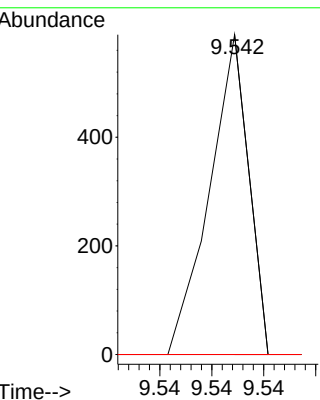
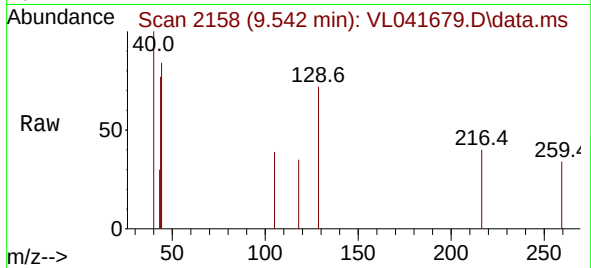




#51
2-Hexanone
Concen: 0.001 ppbv
RT: 9.542 min Scan# 2160
Delta R.T. -0.006 min
Lab File: VL041679.D
Acq: 7 Nov 2024 13:31

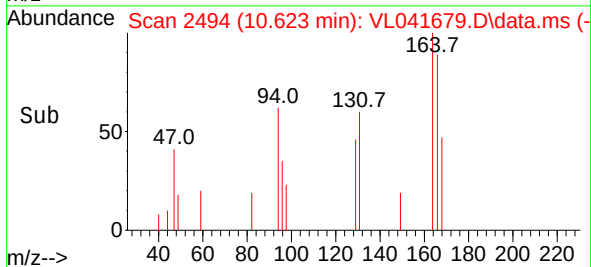
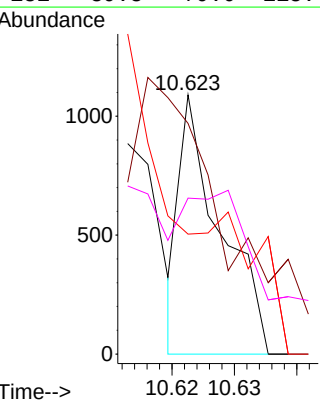
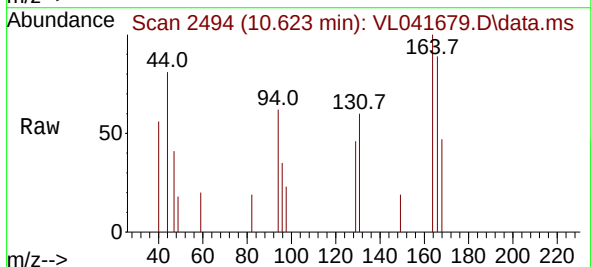
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

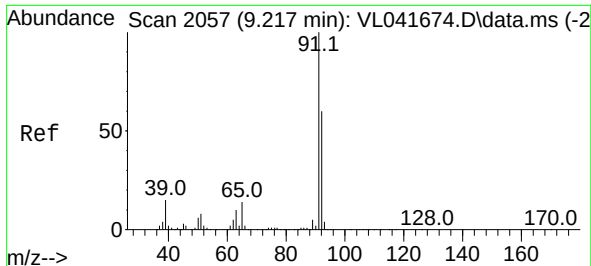
Tgt Ion: 43 Resp: 154
Ion Ratio Lower Upper
43 100
58 0.0 37.0 55.6#
98 0.0 0.6 0.8#



#52
Tetrachloroethene
Concen: 0.006 ppbv
RT: 10.623 min Scan# 2494
Delta R.T. 0.007 min
Lab File: VL041679.D
Acq: 7 Nov 2024 13:31

Tgt Ion:164 Resp: 492
Ion Ratio Lower Upper
164 100
166 61.5 100.2 150.4#
129 0.9 79.7 119.5#
131 39.3 79.0 118.4#

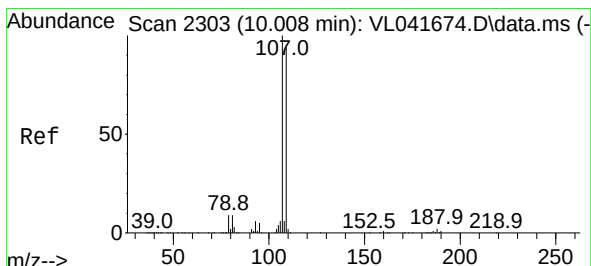
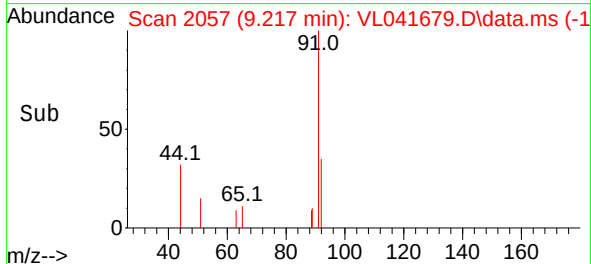
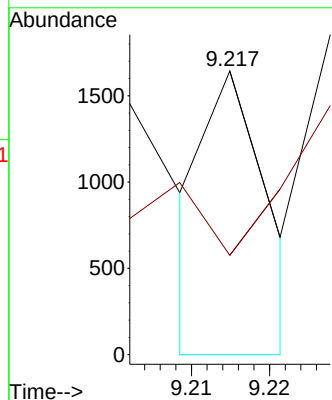
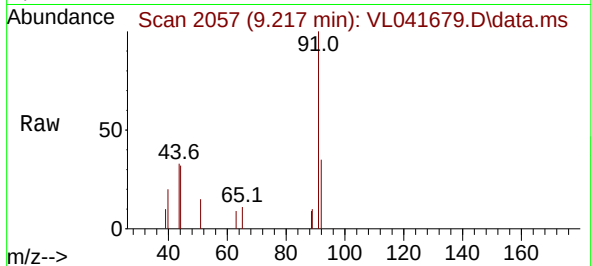




#53
Toluene
Concen: 0.002 ppbv
RT: 9.217 min Scan# 2057
Delta R.T. 0.000 min
Lab File: VL041679.D
Acq: 7 Nov 2024 13:31

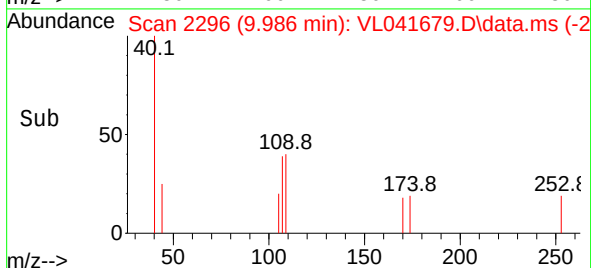
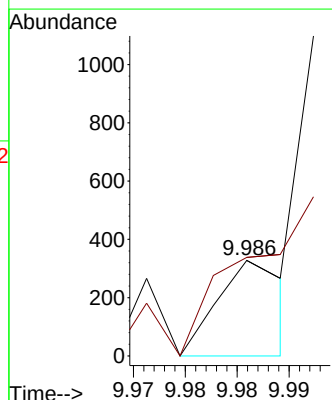
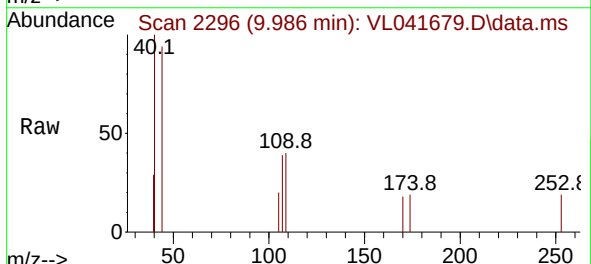
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

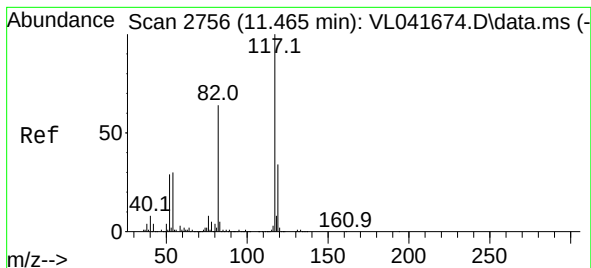
Tgt Ion: 91 Resp: 447
Ion Ratio Lower Upper
91 100
92 0.0 49.0 73.4#



#54
1,2-Dibromoethane
Concen: 0.001 ppbv
RT: 9.986 min Scan# 2296
Delta R.T. -0.022 min
Lab File: VL041679.D
Acq: 7 Nov 2024 13:31

Tgt Ion: 107 Resp: 148
Ion Ratio Lower Upper
107 100
109 103.0 74.9 112.3

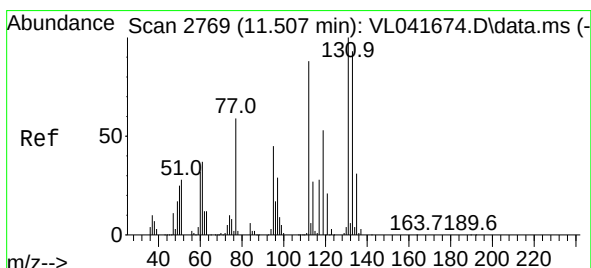
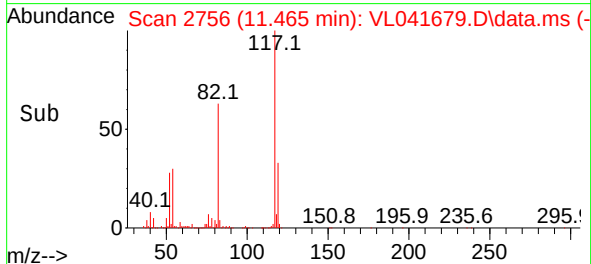
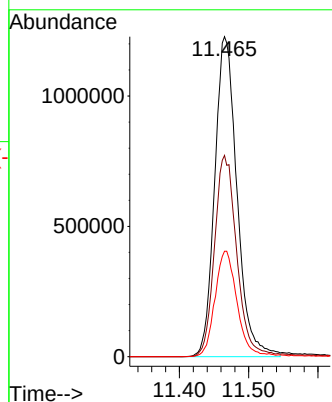
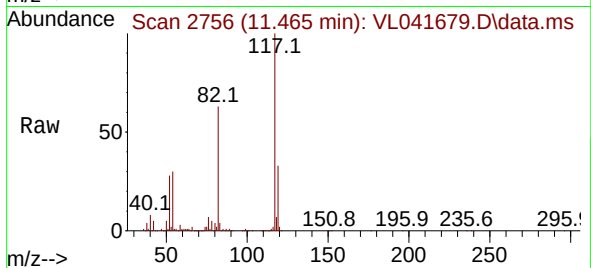




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.465 min Scan# 2756
Delta R.T. 0.000 min
Lab File: VL041679.D
Acq: 7 Nov 2024 13:31

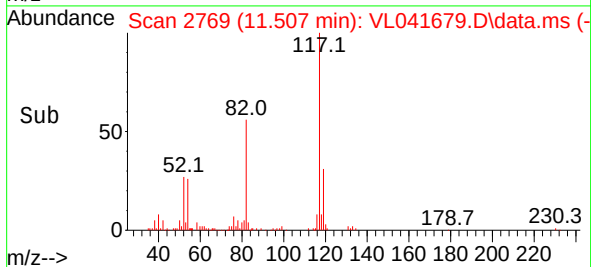
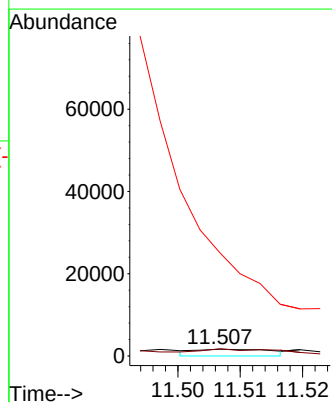
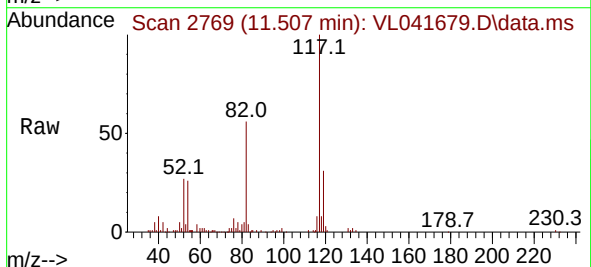
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

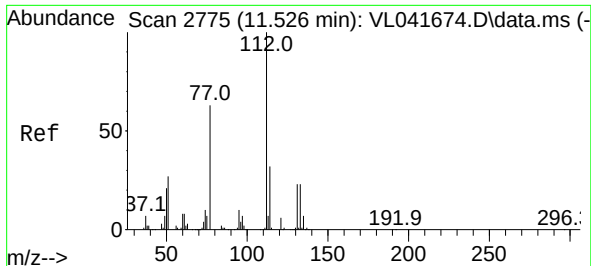
Tgt Ion:117 Resp: 2745730
Ion Ratio Lower Upper
117 100
82 64.3 49.8 74.8
119 33.4 24.2 36.4



#56
1,1,1,2-Tetrachloroethane
Concen: 0.012 ppbv
RT: 11.507 min Scan# 2769
Delta R.T. 0.000 min
Lab File: VL041679.D
Acq: 7 Nov 2024 13:31

Tgt Ion:131 Resp: 1400
Ion Ratio Lower Upper
131 100
133 221.5 76.5 114.7#
119 0.0 49.8 74.8#





#57

Chlorobenzene

Concen: 0.005 ppbv

RT: 11.526 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL041679.D

Acq: 7 Nov 2024 13:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.03

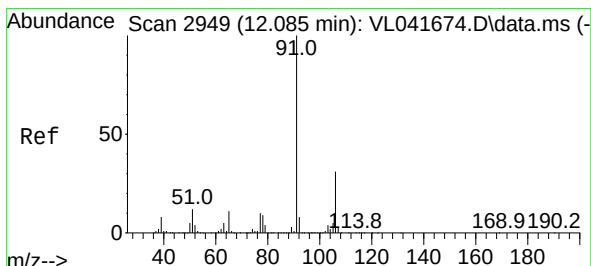
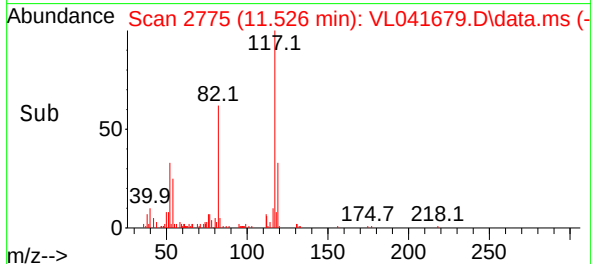
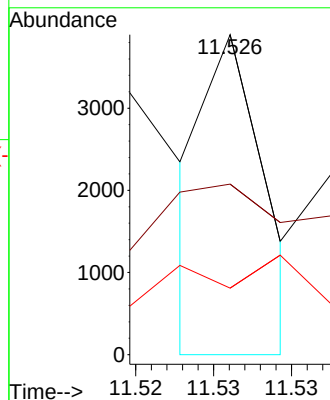
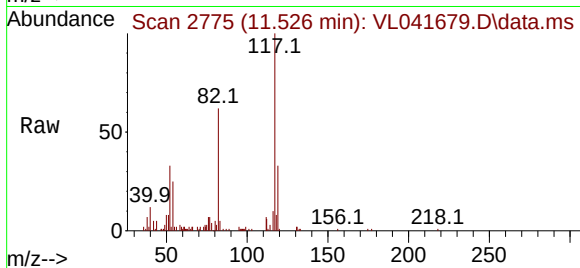
Tgt Ion:112 Resp: 1018

Ion Ratio Lower Upper

112 100

77 18.6 51.4 77.2#

114 0.0 28.4 34.8#



#58

Ethyl Benzene

Concen: 0.007 ppbv

RT: 12.089 min Scan# 2950

Delta R.T. 0.003 min

Lab File: VL041679.D

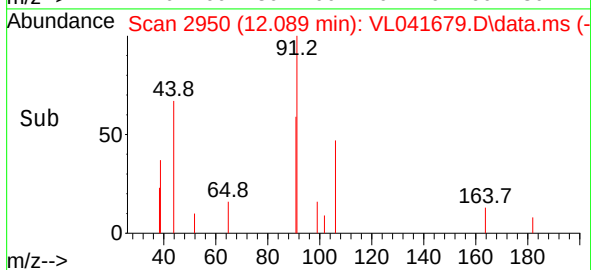
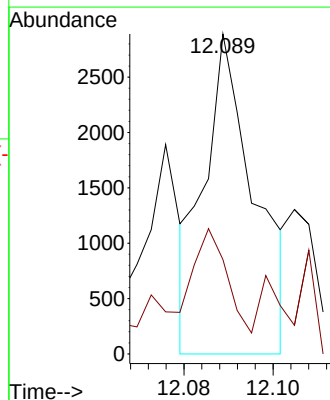
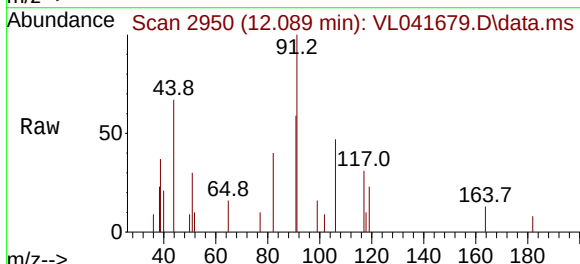
Acq: 7 Nov 2024 13:31

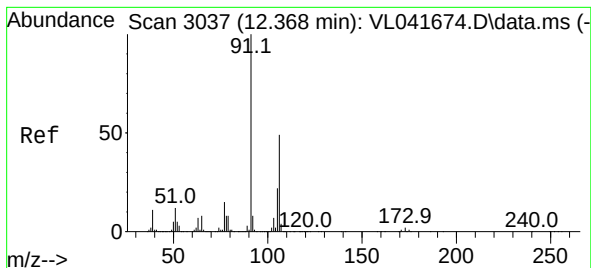
Tgt Ion: 91 Resp: 2272

Ion Ratio Lower Upper

91 100

106 27.0 24.9 37.3





#59

m/p-Xylene

Concen: 0.003 ppbv

RT: 12.365 min Scan# 3036

Delta R.T. -0.003 min

Lab File: VL041679.D

Acq: 7 Nov 2024 13:31

Instrument :

MSVOA_L

ClientSampleId :

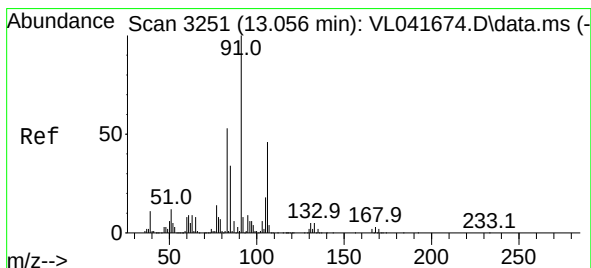
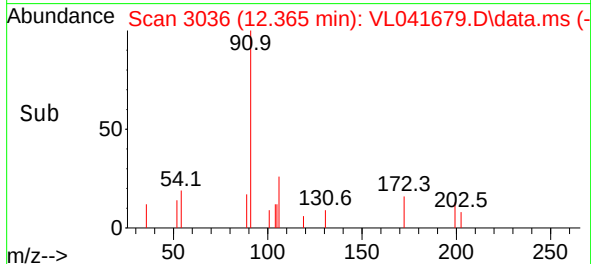
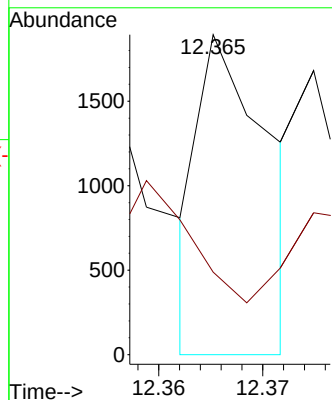
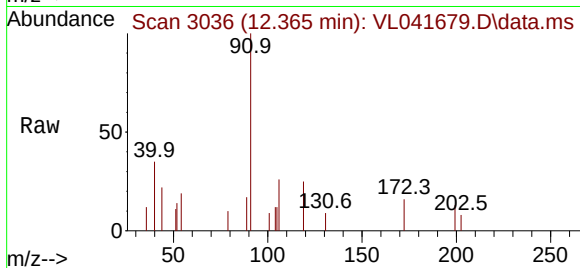
VSTDIC0.03

Tgt Ion: 91 Resp: 880

Ion Ratio Lower Upper

91 100

106 0.0 36.9 55.3#



#60

o-Xylene

Concen: 0.001 ppbv

RT: 13.082 min Scan# 3259

Delta R.T. 0.026 min

Lab File: VL041679.D

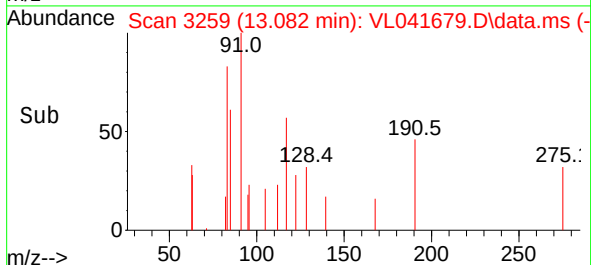
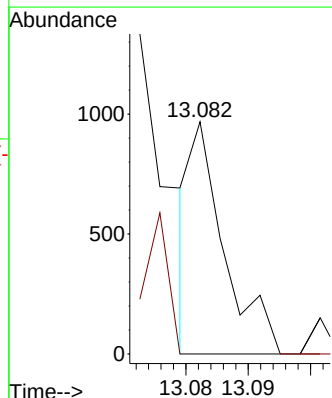
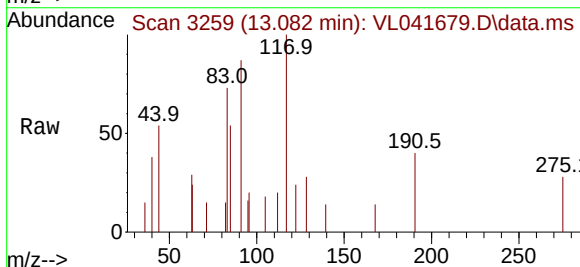
Acq: 7 Nov 2024 13:31

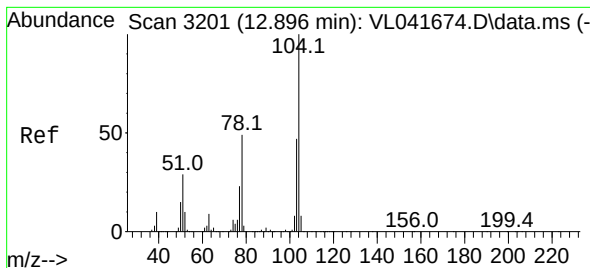
Tgt Ion: 91 Resp: 359

Ion Ratio Lower Upper

91 100

106 28.7 23.2 69.6





#61

Styrene

Concen: 0.003 ppbv

RT: 12.893 min Scan# 31

Delta R.T. -0.003 min

Lab File: VL041679.D

Acq: 7 Nov 2024 13:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

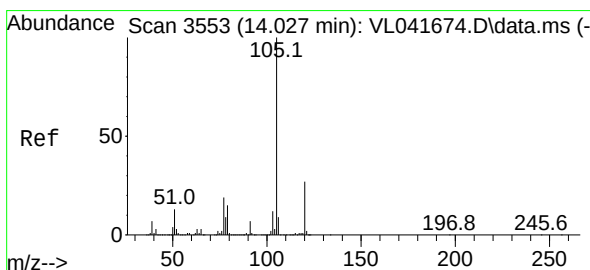
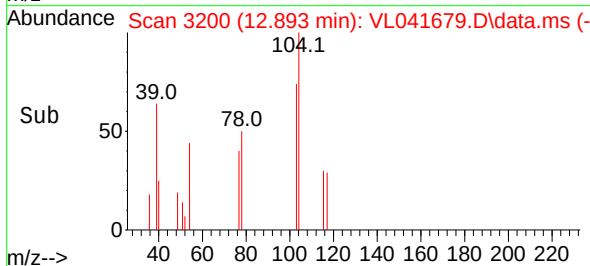
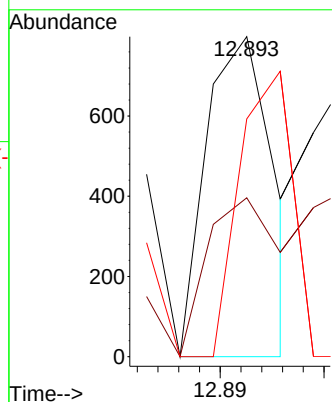
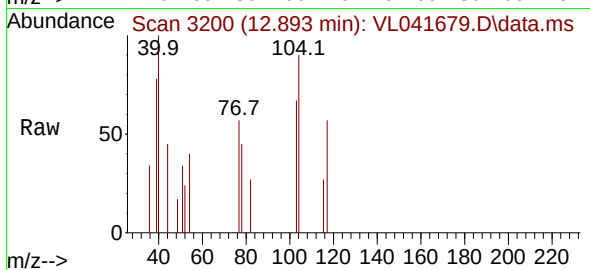
Tgt Ion:104 Resp: 361

Ion Ratio Lower Upper

104 100

78 0.0 39.8 59.8#

103 152.1 37.4 56.0#



#62

Isopropylbenzene

Concen: 0.005 ppbv

RT: 14.028 min Scan# 3553

Delta R.T. 0.000 min

Lab File: VL041679.D

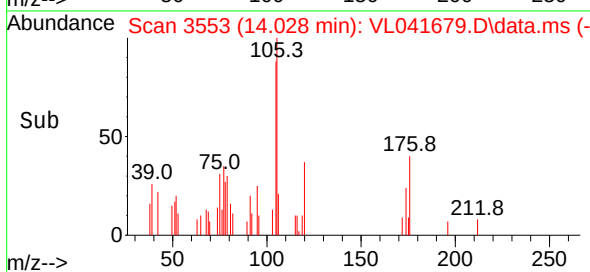
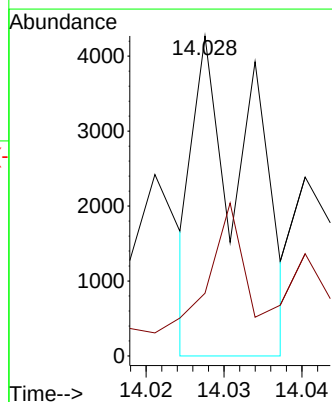
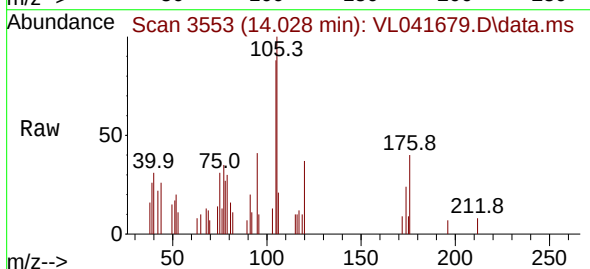
Acq: 7 Nov 2024 13:31

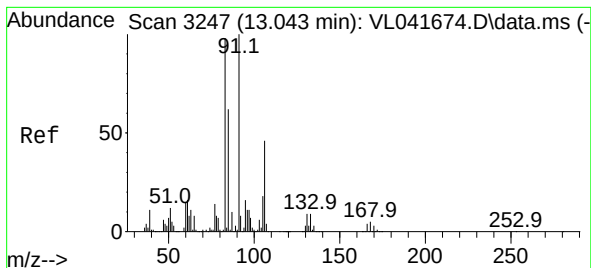
Tgt Ion:105 Resp: 2118

Ion Ratio Lower Upper

105 100

120 96.8 21.1 31.7#

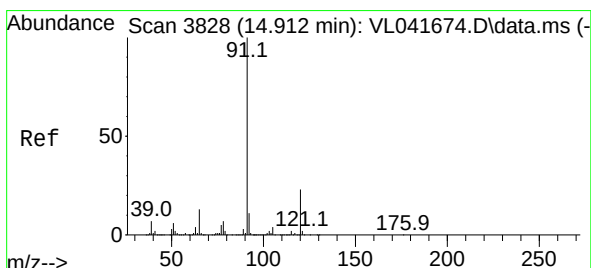
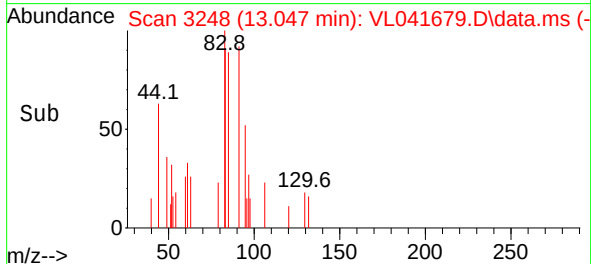
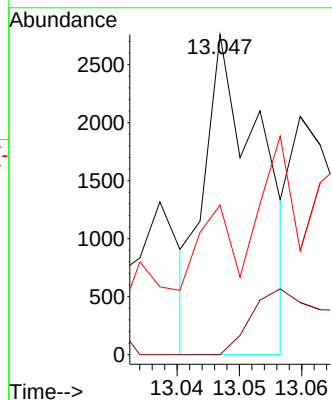
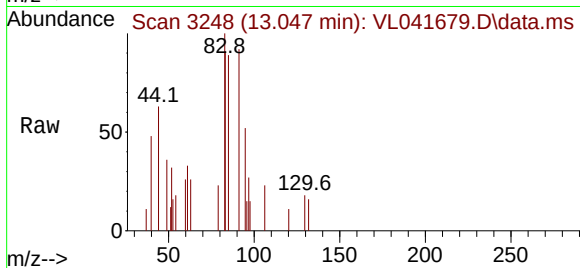




#63
1,1,2,2-Tetrachloroethane
Concen: 0.009 ppbv
RT: 13.047 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL041679.D
Acq: 7 Nov 2024 13:31

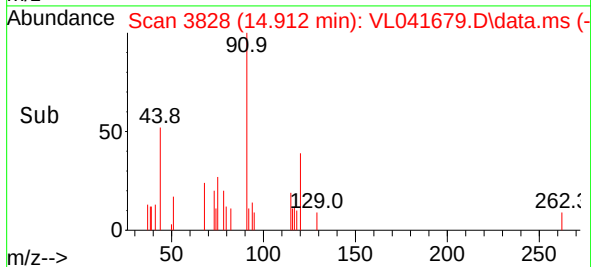
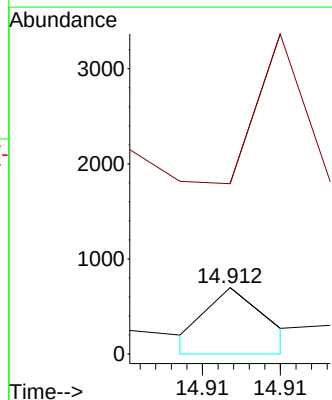
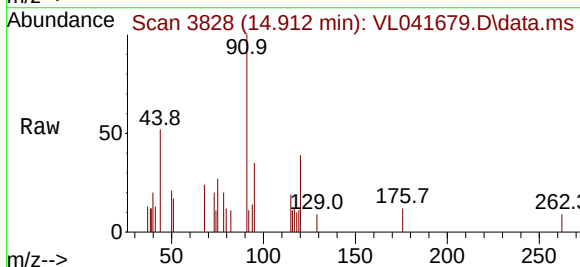
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

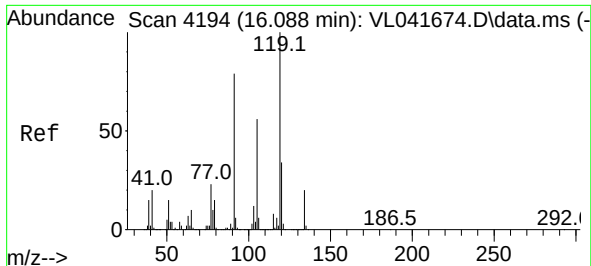
Tgt Ion: 83 Resp: 1745
Ion Ratio Lower Upper
83 100
131 0.0 4.8 14.3#
85 0.0 32.6 98.0#



#64
n-propylbenzene
Concen: 0.002 ppbv
RT: 14.912 min Scan# 3828
Delta R.T. 0.000 min
Lab File: VL041679.D
Acq: 7 Nov 2024 13:31

Tgt Ion:120 Resp: 187
Ion Ratio Lower Upper
120 100
91 3587.2 362.4 543.6#





#65

tert-Butylbenzene

Concen: 0.001 ppbv

RT: 16.095 min Scan# 41

Delta R.T. 0.007 min

Lab File: VL041679.D

Acq: 7 Nov 2024 13:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.03

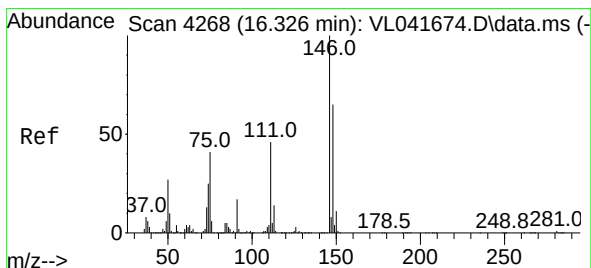
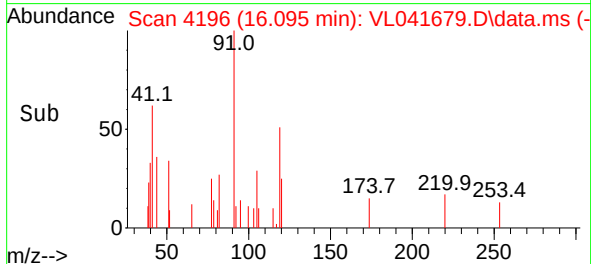
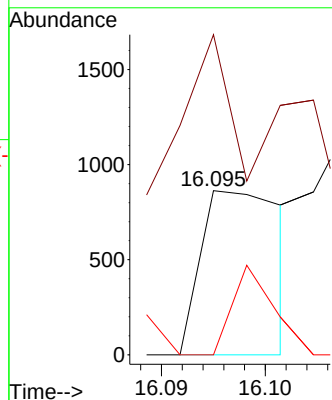
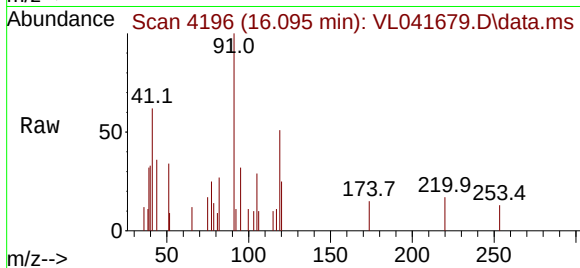
Tgt Ion:119 Resp: 481

Ion Ratio Lower Upper

119 100

91 702.1 64.3 96.5#

134 35.3 15.8 23.8#



#66

Benzyl Chloride

Concen: 0.001 ppbv

RT: 16.339 min Scan# 4272

Delta R.T. 0.013 min

Lab File: VL041679.D

Acq: 7 Nov 2024 13:31

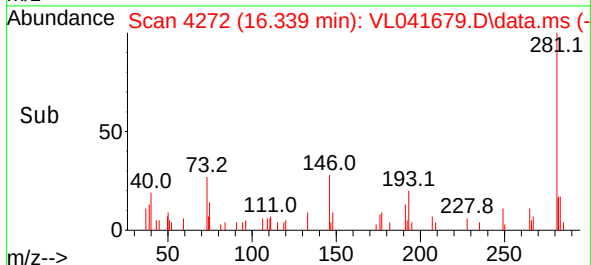
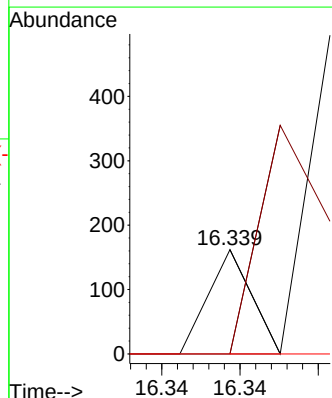
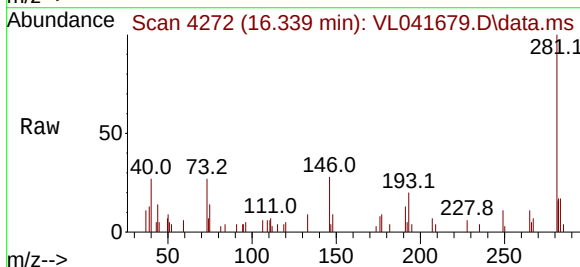
Tgt Ion: 91 Resp: 31

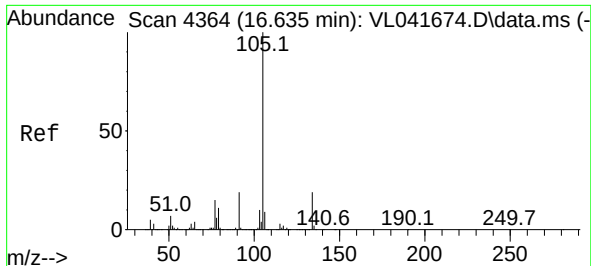
Ion Ratio Lower Upper

91 100

126 0.0 13.8 20.6#

128 0.0 4.3 6.5#





#67

sec-Butylbenzene

Concen: 0.004 ppbv

RT: 16.645 min Scan# 4364

Delta R.T. 0.010 min

Lab File: VL041679.D

Acq: 7 Nov 2024 13:31

Instrument :

MSVOA_L

ClientSampleId :

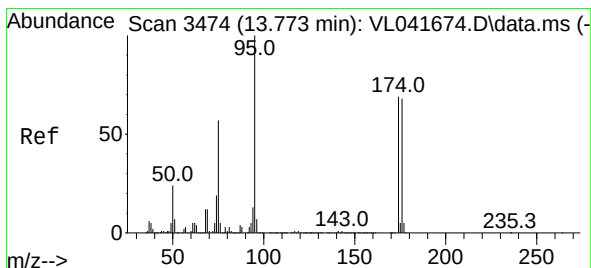
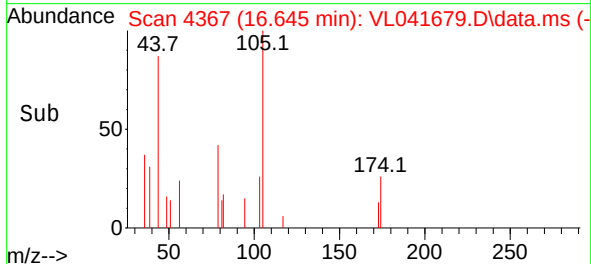
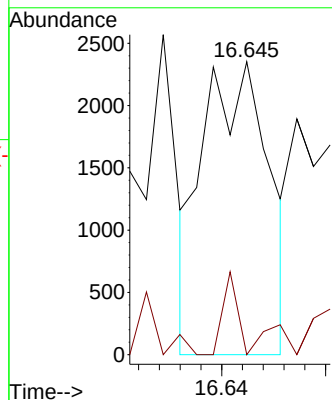
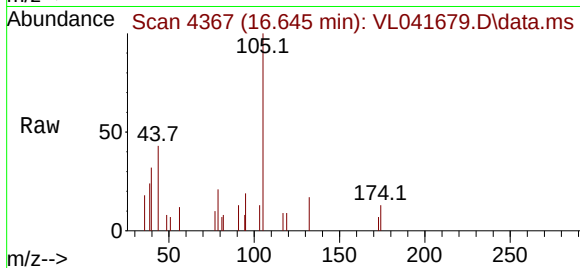
VSTDICC0.03

Tgt Ion:105 Resp: 2059

Ion Ratio Lower Upper

105 100

134 17.9 14.6 22.0



#68

1-Bromo-4-Fluorobenzene

Concen: 10.018 ppbv

RT: 13.777 min Scan# 3475

Delta R.T. 0.003 min

Lab File: VL041679.D

Acq: 7 Nov 2024 13:31

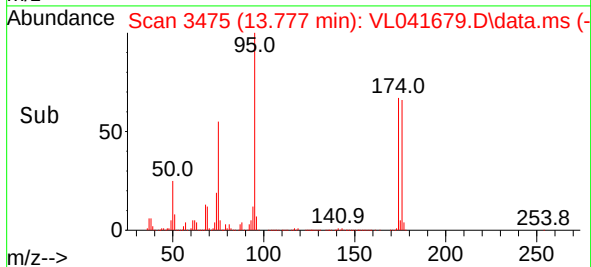
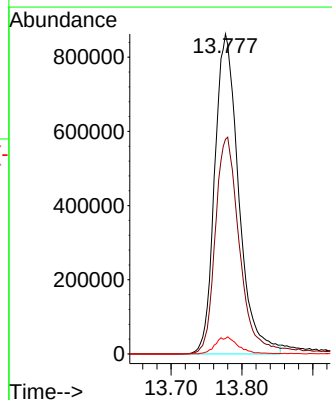
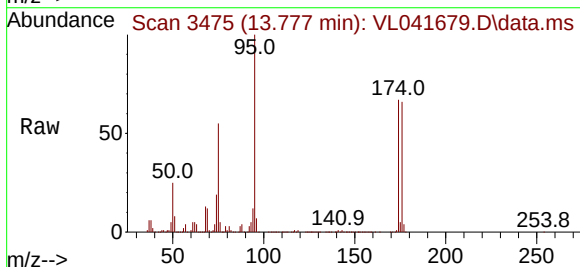
Tgt Ion: 95 Resp: 2034307

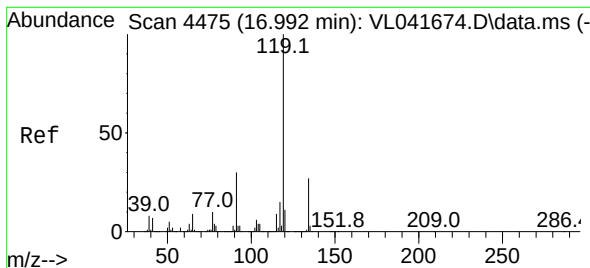
Ion Ratio Lower Upper

95 100

174 70.8 55.6 83.4

175 5.2 4.2 6.2





#69

p-Isopropyltoluene

Concen: 0.001 ppbv

RT: 16.995 min Scan# 4475

Delta R.T. 0.003 min

Lab File: VL041679.D

Acq: 7 Nov 2024 13:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.03

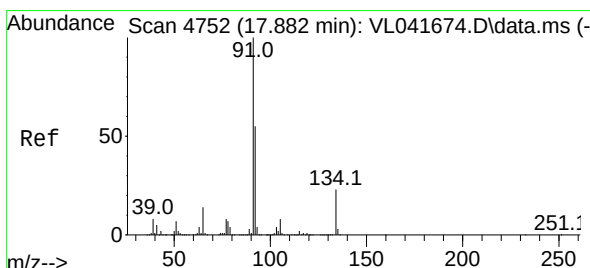
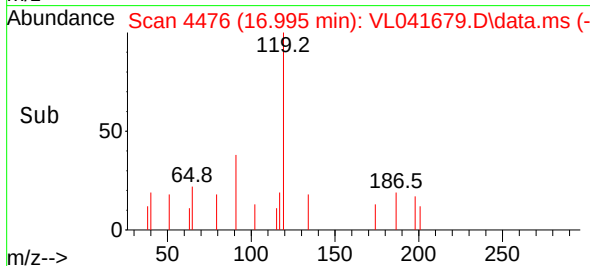
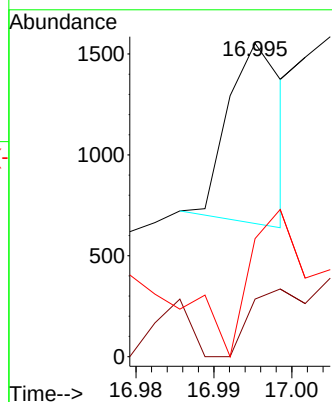
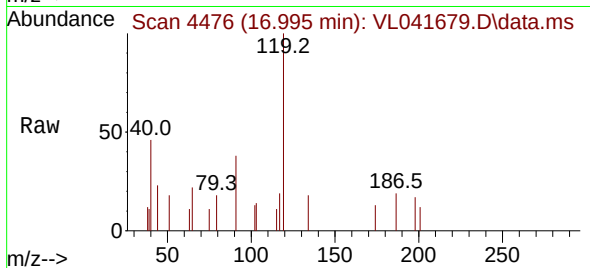
Tgt Ion:119 Resp: 431

Ion Ratio Lower Upper

119 100

134 0.0 20.8 31.2#

91 263.6 23.2 34.8#



#70

n-Butylbenzene

Concen: 0.002 ppbv

RT: 17.886 min Scan# 4753

Delta R.T. 0.003 min

Lab File: VL041679.D

Acq: 7 Nov 2024 13:31

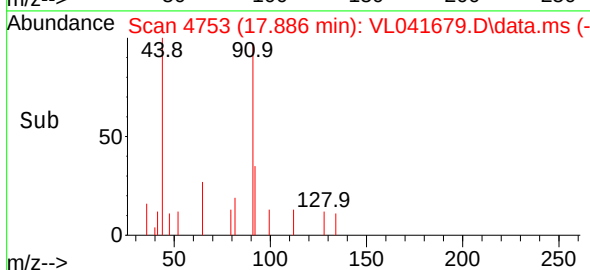
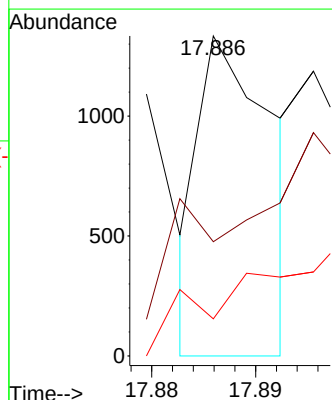
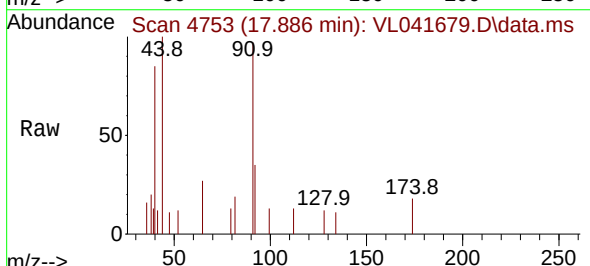
Tgt Ion: 91 Resp: 657

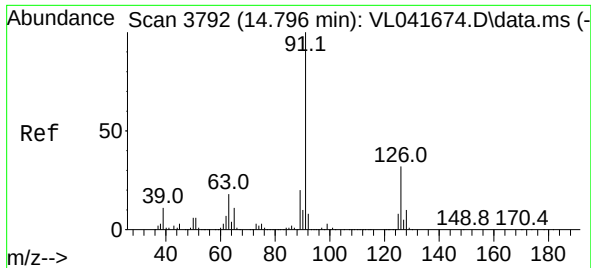
Ion Ratio Lower Upper

91 100

92 0.0 43.3 64.9#

134 0.0 18.4 27.6#

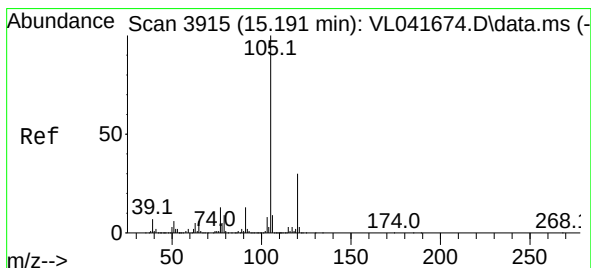
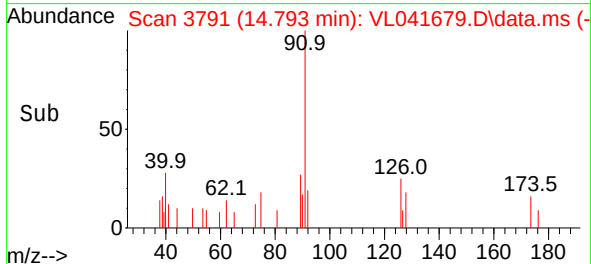
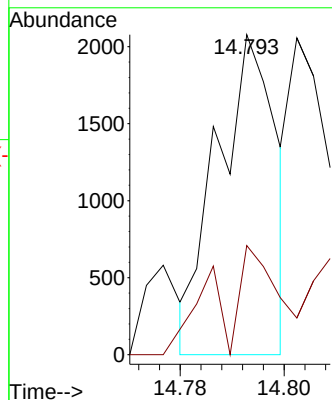
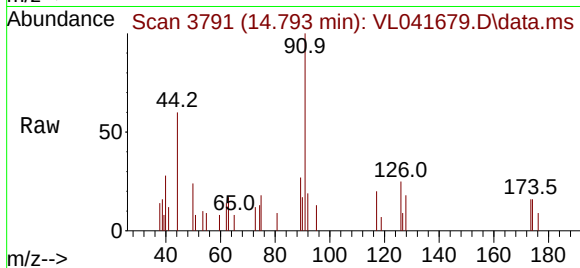




#71
2-Chlorotoluene
Concen: 0.006 ppbv
RT: 14.793 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL041679.D
Acq: 7 Nov 2024 13:31

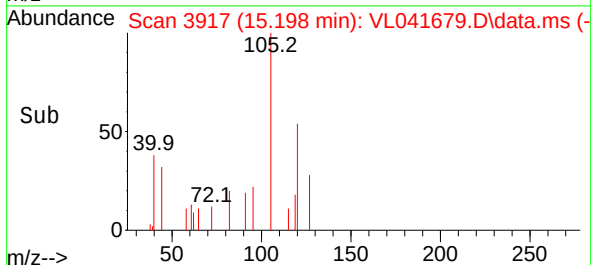
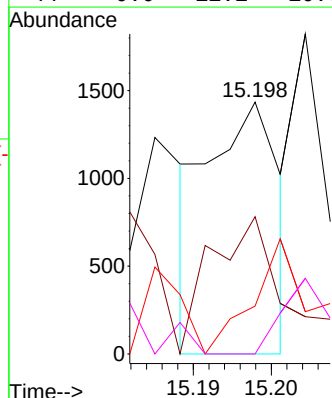
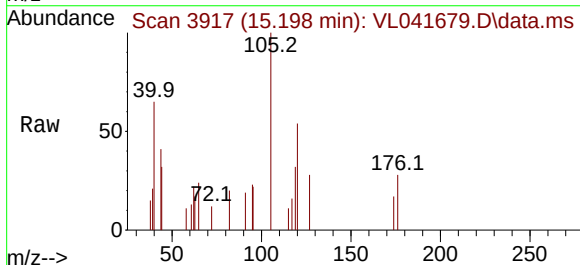
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

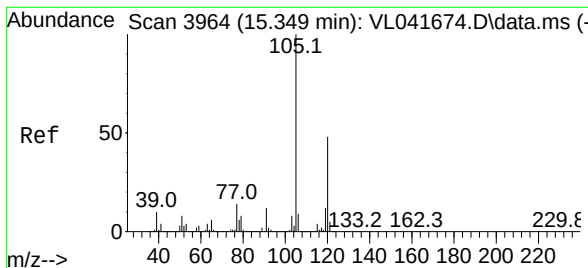
Tgt Ion: 91 Resp: 1624
Ion Ratio Lower Upper
91 100
126 0.0 12.8 51.0#



#72
4-Ethyltoluene
Concen: 0.003 ppbv
RT: 15.198 min Scan# 3917
Delta R.T. 0.007 min
Lab File: VL041679.D
Acq: 7 Nov 2024 13:31

Tgt Ion:105 Resp: 907
Ion Ratio Lower Upper
105 100
120 0.0 25.0 37.4#
91 0.0 10.6 15.8#
77 0.0 11.1 16.7#





#73

1,3,5-Trimethylbenzene

Concen: 0.001 ppbv

RT: 15.352 min Scan# 3965

Delta R.T. 0.003 min

Lab File: VL041679.D

Acq: 7 Nov 2024 13:31

Instrument :

MSVOA_L

ClientSampleId :

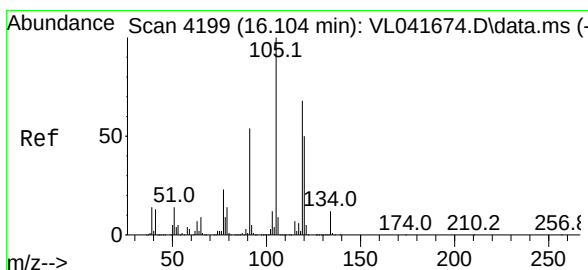
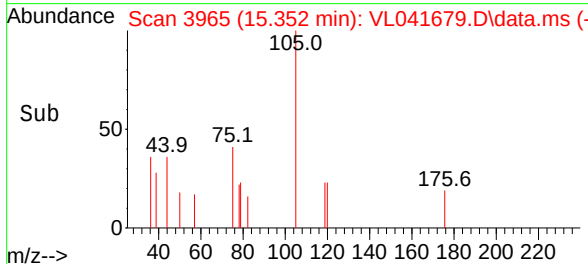
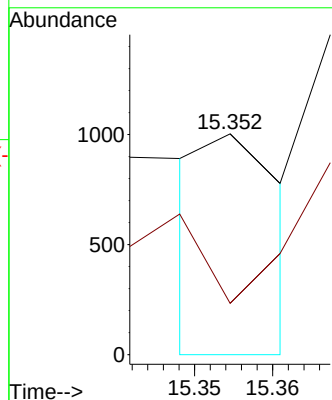
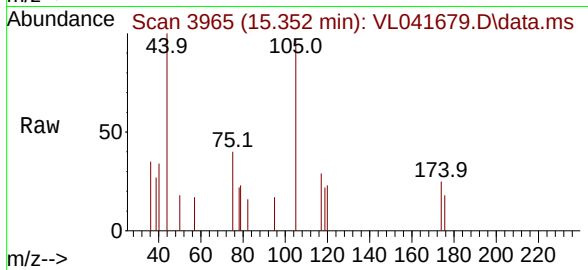
VSTDICC0.03

Tgt Ion:105 Resp: 343

Ion Ratio Lower Upper

105 100

120 0.0 38.4 57.6#



#74

1,2,4-Trimethylbenzene

Concen: 0.004 ppbv

RT: 16.111 min Scan# 4201

Delta R.T. 0.007 min

Lab File: VL041679.D

Acq: 7 Nov 2024 13:31

Tgt Ion:105 Resp: 1159

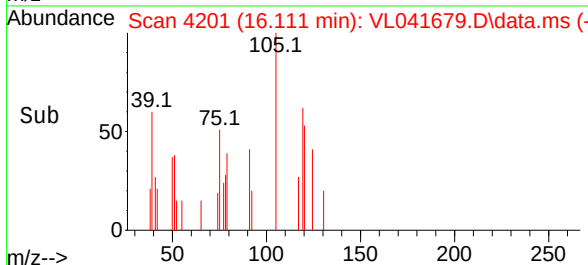
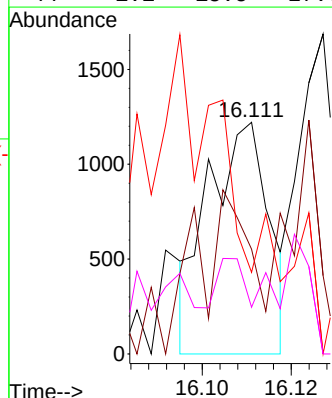
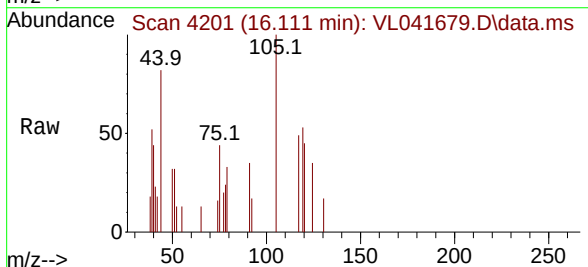
Ion Ratio Lower Upper

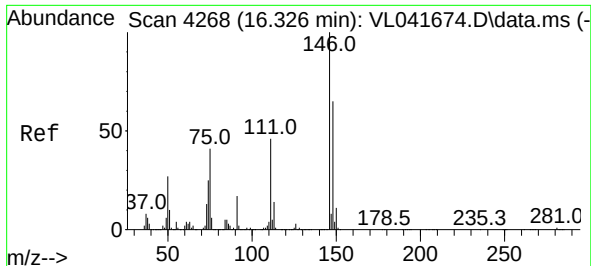
105 100

120 17.6 39.8 59.8#

91 6.7 43.2 64.8#

77 1.1 18.5 27.7#

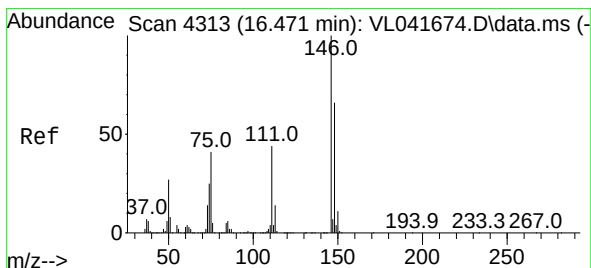
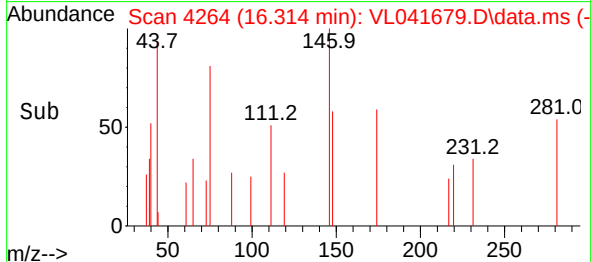
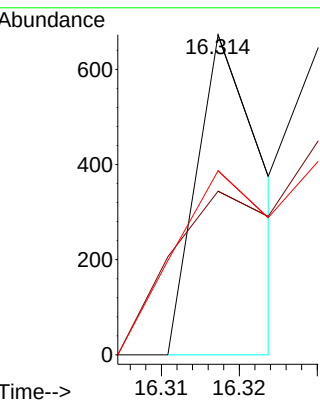
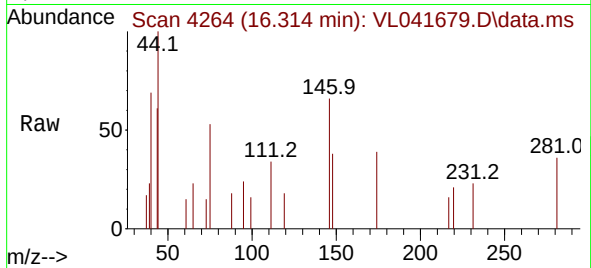




#75
1,3-Dichlorobenzene
Concen: 0.001 ppbv
RT: 16.314 min Scan# 41
Delta R.T. -0.013 min
Lab File: VL041679.D
Acq: 7 Nov 2024 13:31

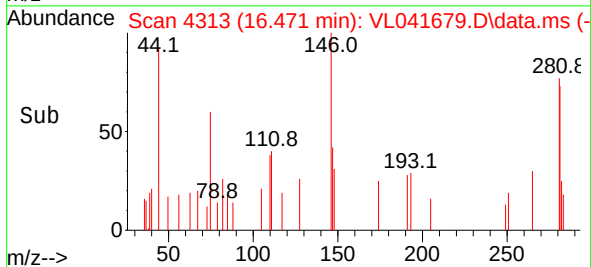
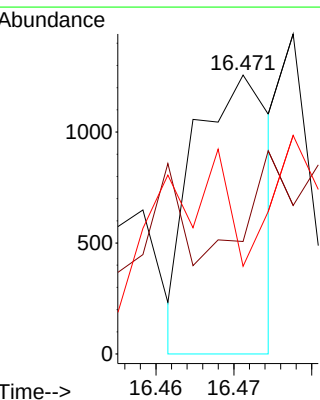
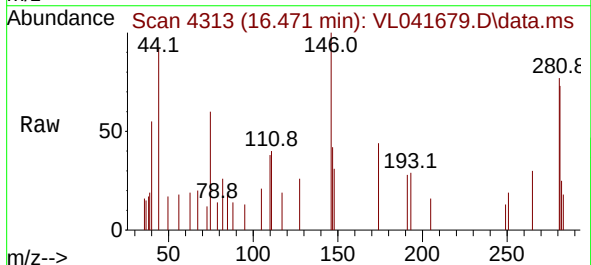
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

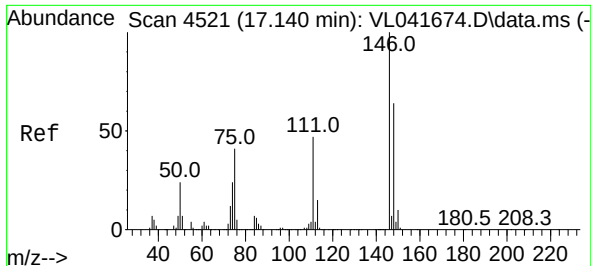
Tgt Ion:146 Resp: 202
Ion Ratio Lower Upper
146 100
111 0.0 22.8 68.3#
148 0.0 32.4 97.0#



#76
1,4-Dichlorobenzene
Concen: 0.005 ppbv
RT: 16.471 min Scan# 4313
Delta R.T. 0.000 min
Lab File: VL041679.D
Acq: 7 Nov 2024 13:31

Tgt Ion:146 Resp: 857
Ion Ratio Lower Upper
146 100
111 0.0 22.1 66.3#
148 0.0 33.3 99.8#

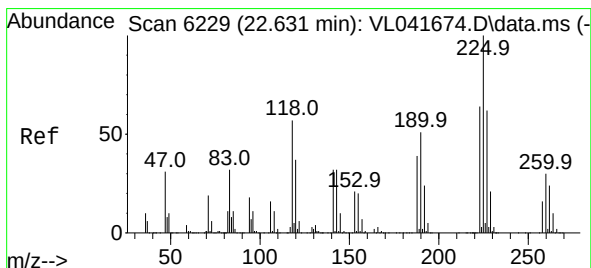
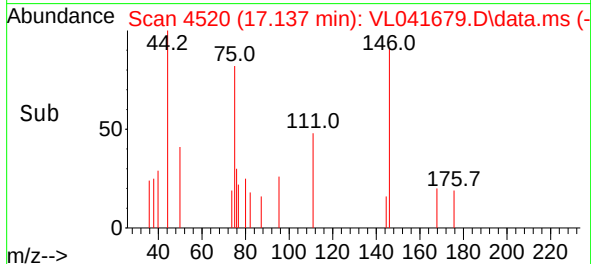
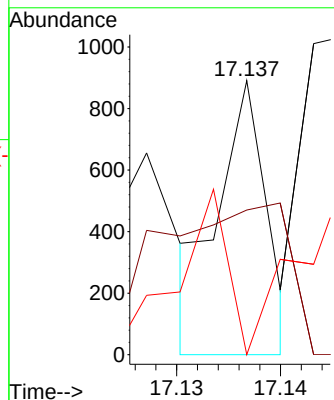
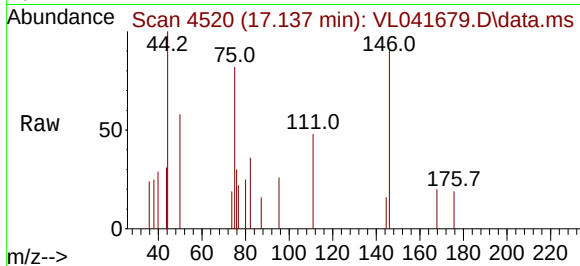




#77
1,2-Dichlorobenzene
Concen: 0.002 ppbv
RT: 17.137 min Scan# 4520
Delta R.T. -0.003 min
Lab File: VL041679.D
Acq: 7 Nov 2024 13:31

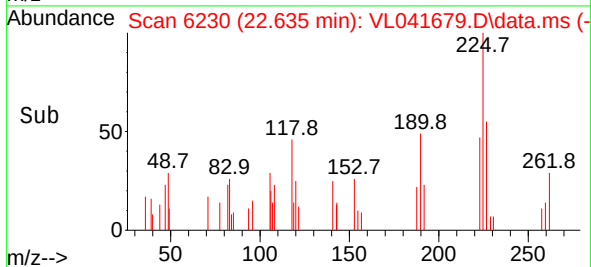
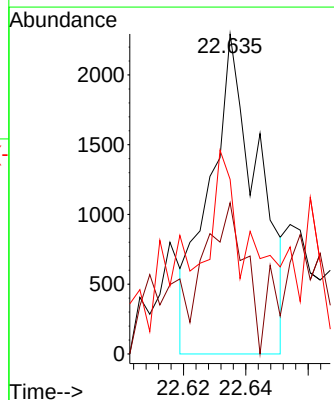
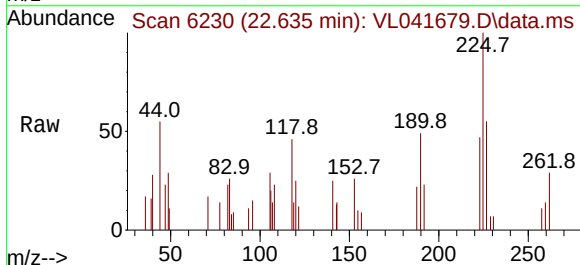
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

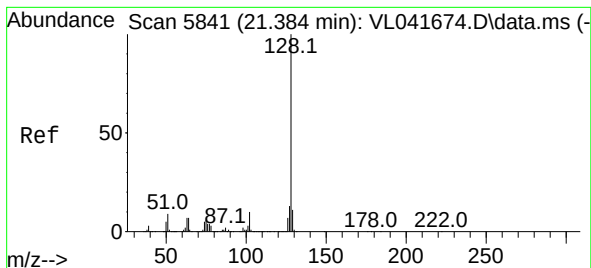
Tgt Ion:146 Resp: 285
Ion Ratio Lower Upper
146 100
111 0.0 23.4 70.3#
148 0.0 32.1 96.5#



#78
Hexachloro-1,3-Butadiene
Concen: 0.017 ppbv
RT: 22.635 min Scan# 6230
Delta R.T. 0.003 min
Lab File: VL041679.D
Acq: 7 Nov 2024 13:31

Tgt Ion:225 Resp: 2496
Ion Ratio Lower Upper
225 100
223 58.3 51.1 76.7
227 125.1 51.3 76.9#





#79

Naphthalene

Concen: 0.000 ppbv

RT: 21.381 min Scan# 51

Delta R.T. -0.003 min

Lab File: VL041679.D

Acq: 7 Nov 2024 13:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

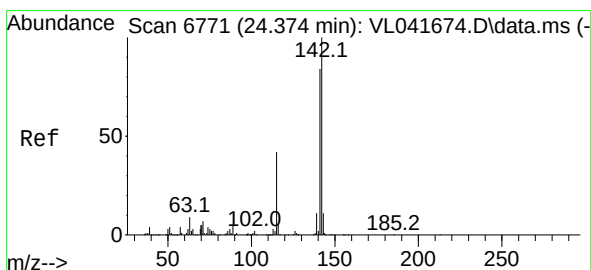
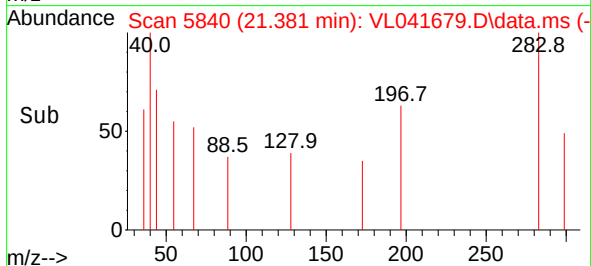
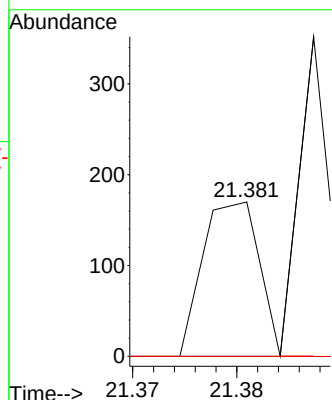
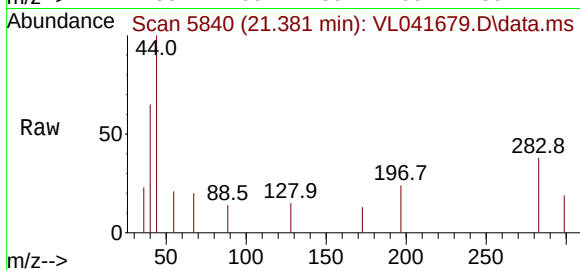
Tgt Ion:128 Resp: 64

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.7 13.1#



#80

Naphthalene,2-methyl-

Concen: 0.001 ppbv

RT: 24.561 min Scan# 6829

Delta R.T. 0.187 min

Lab File: VL041679.D

Acq: 7 Nov 2024 13:31

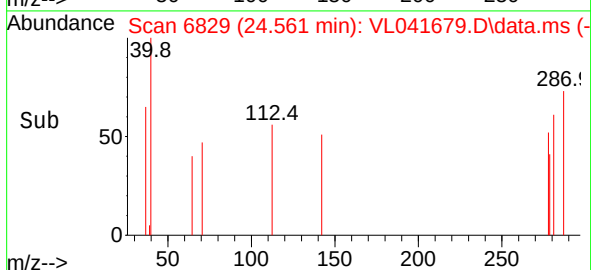
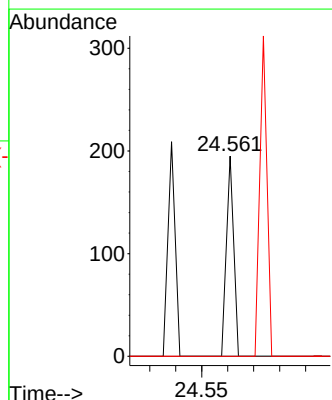
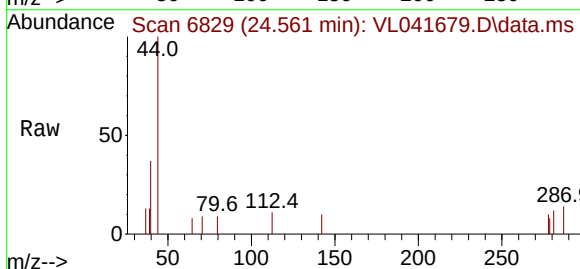
Tgt Ion:142 Resp: 38

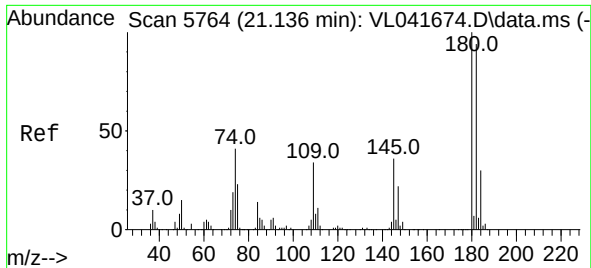
Ion Ratio Lower Upper

142 100

141 0.0 68.1 102.1#

115 78.9 33.1 49.7#





#81

1,2,4-Trichlorobenzene

Concen: 0.002 ppbv

RT: 21.140 min Scan# 51

Delta R.T. 0.003 min

Lab File: VL041679.D

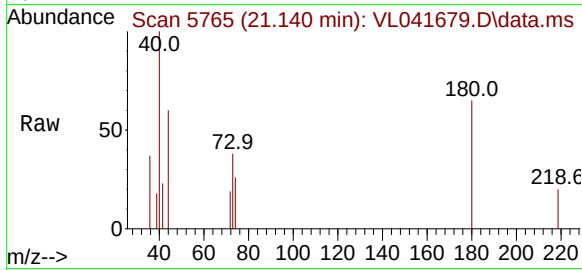
Acq: 7 Nov 2024 13:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03



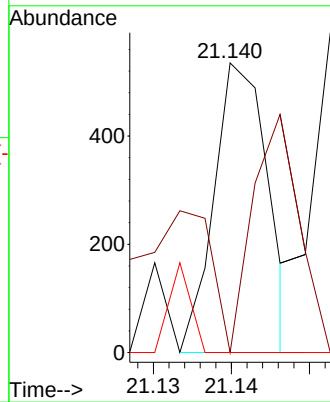
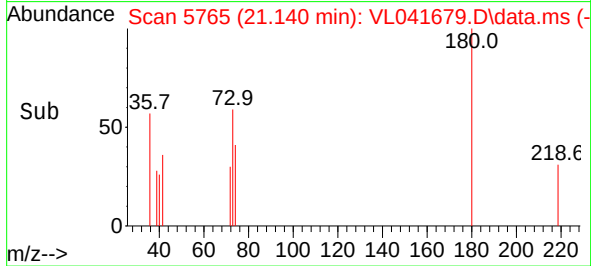
Tgt Ion:180 Resp: 259

Ion Ratio Lower Upper

180 100

182 393.8 78.2 117.2#

184 0.0 25.0 37.4#



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
 Data File : VL041680.D
 Acq On : 7 Nov 2024 14:12
 Operator : SY/MD
 Sample : VSTDICC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

Quant Time: Nov 08 00:13:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Nov 08 00:07:44 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	1139788	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	3182548	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	3271350	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.780	95	2357958	9.746	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.729	85	3118931	15.140	ppbv	99
3) Chlorodifluoromethane	2.674	51	2003229	13.489	ppbv	99
4) Chloromethane	2.813	50	1085629	13.801	ppbv	95
5) Vinyl Chloride	2.922	62	1061943	14.900	ppbv	99
6) Bromomethane	3.121	94	543873	14.489	ppbv	99
7) Chloroethane	3.198	64	374124	14.487	ppbv	99
8) Dichlorotetrafluoroethane	2.858	85	2471590	13.440	ppbv	100
9) Propene	2.694	41	906594	14.010	ppbv	99
10) Heptane	7.581	43	2284371	15.754	ppbv	98
11) Trichlorofluoromethane	3.562	101	2504580	13.958	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.067	101	1834846	14.068	ppbv	100
13) Ethanol	3.250	45	24151	6.000	ppbv #	49
14) Bromoethene	3.366	108	755053	14.401	ppbv	98
15) Acetone	3.469	43	1886393	13.448	ppbv	99
16) 1,3-Butadiene	2.986	39	1081107	15.371	ppbv	99
17) tert-Butyl alcohol	3.880	59	1663672	13.516	ppbv	100
18) 1,1-Dichloroethene	3.880	96	834933	14.596	ppbv	93
19) Isopropyl Alcohol	3.575	45	910280	13.406	ppbv	100
20) Methylene Chloride	3.932	84	687212	13.313	ppbv	96
21) Allyl Chloride	3.996	41	1317025	15.194	ppbv	99
22) trans-1,2-Dichloroethene	4.446	96	842095	14.755	ppbv	97
23) Vinyl Acetate	4.626	43	926796	14.047	ppbv	98
24) 1,1-Dichloroethane	4.565	63	1790354	14.103	ppbv	99
25) Ethyl Acetate	5.205	43	4234322	14.583	ppbv	100
26) Hexane	5.211	57	1693823	15.184	ppbv	96
27) Carbon Disulfide	4.124	76	2071779	16.531	ppbv	99
28) Methyl tert-Butyl Ether	4.587	73	988726	13.764	ppbv	99
29) Chloroform	5.276	83	2615593	14.204	ppbv	98
30) Cyclohexane	6.600	84	1445757	16.132	ppbv	99
31) cis-1,2-Dichloroethene	5.079	61	1655410	15.426	ppbv	98
32) 1,1,1-Trichloroethane	6.005	97	2576420	15.262	ppbv	99
34) 2-Butanone	4.787	43	2382292	15.033	ppbv	100
35) Carbon Tetrachloride	6.497	117	2728914	16.220	ppbv	98
36) Benzene	6.372	78	3579956	15.182	ppbv	100
37) 1,2-Dichloroethane	5.809	62	1992504	14.978	ppbv	99
38) Trichloroethene	7.295	130	1492186	16.410	ppbv	98
39) 1,2-Dichloropropane	7.076	63	1405373	15.081	ppbv	99
40) 1,4-Dioxane	7.285	88	545340	16.521	ppbv	93
41) Tetrahydrofuran	5.555	42	1449986	16.040	ppbv	99
42) Bromodichloromethane	7.253	83	2869440	15.522	ppbv	99
43) Methyl Methacrylate	7.475	69	1439612	17.388	ppbv	99
44) 2,2,4-Trimethylpentane	7.327	57	5922866	14.828	ppbv	100
45) t-1,3-Dichloropropene	8.713	75	1469151	19.850	ppbv	97

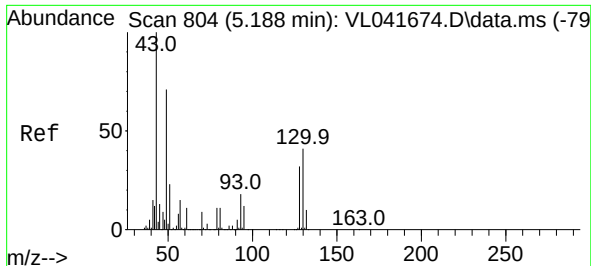
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 Data File : VL041680.D
 Acq On : 7 Nov 2024 14:12
 Operator : SY/MD
 Sample : VSTDICC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

Quant Time: Nov 08 00:13:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Nov 08 00:07:44 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.144	75	1964082	18.259	ppbv	98
47) 1,1,2-Trichloroethane	8.902	97	1496508	14.895	ppbv	99
48) Dibromochloromethane	9.713	129	2521147	16.444	ppbv	100
49) Bromoform	12.413	173	2265132	17.318	ppbv	99
50) 4-Methyl-2-Pentanone	8.182	43	3873850	15.919	ppbv	99
51) 2-Hexanone	9.552	43	3096656	17.512	ppbv #	99
52) Tetrachloroethene	10.616	164	1362327	16.900	ppbv	98
53) Toluene	9.224	91	4192947	16.909	ppbv	100
54) 1,2-Dibromoethane	10.012	107	2047188	17.451	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.510	131	1851127	13.588	ppbv	98
57) Chlorobenzene	11.529	112	3280487	13.453	ppbv	99
58) Ethyl Benzene	12.092	91	5635176	15.550	ppbv	98
59) m/p-Xylene	12.372	91	5464666	16.857	ppbv #	47
60) o-Xylene	13.063	91	4598783	14.859	ppbv	100
61) Styrene	12.902	104	2329096	18.233	ppbv	100
62) Isopropylbenzene	14.031	105	6769619	14.169	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.050	83	3217179	14.277	ppbv	100
64) n-propylbenzene	14.918	120	1875181	15.010	ppbv	95
65) tert-Butylbenzene	16.095	119	6075642	14.149	ppbv	100
66) Benzyl Chloride	16.333	91	602019	19.466	ppbv	99
67) sec-Butylbenzene	16.638	105	8477471	14.008	ppbv	99
69) p-Isopropyltoluene	16.999	119	7127872	14.562	ppbv	99
70) n-Butylbenzene	17.889	91	7337569	14.625	ppbv	98
71) 2-Chlorotoluene	14.806	91	5195848	15.038	ppbv	99
72) 4-Ethyltoluene	15.198	105	5625512	15.652	ppbv	99
73) 1,3,5-Trimethylbenzene	15.355	105	4772611	15.144	ppbv	99
74) 1,2,4-Trimethylbenzene	16.114	105	5199497	14.183	ppbv	95
75) 1,3-Dichlorobenzene	16.336	146	3296952	14.559	ppbv	100
76) 1,4-Dichlorobenzene	16.478	146	3204404	14.402	ppbv	100
77) 1,2-Dichlorobenzene	17.150	146	3223835	14.336	ppbv	100
78) Hexachloro-1,3-Butadiene	22.638	225	2162938	12.158	ppbv	99
79) Naphthalene	21.391	128	4363777	19.355	ppbv	99
80) Naphthalene,2-methyl-	24.374	142	1022470	24.444	ppbv	97
81) 1,2,4-Trichlorobenzene	21.146	180	2238509	15.962	ppbv	100

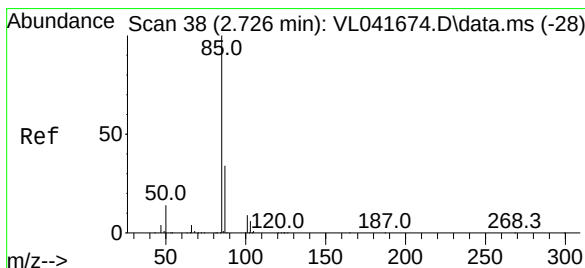
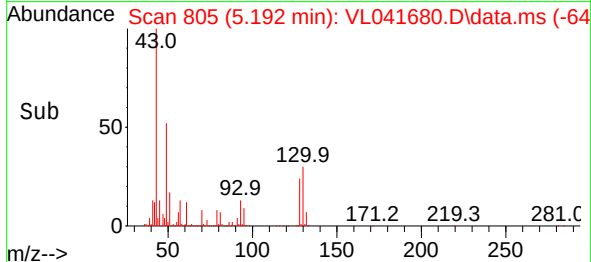
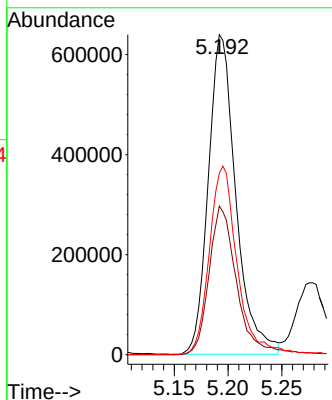
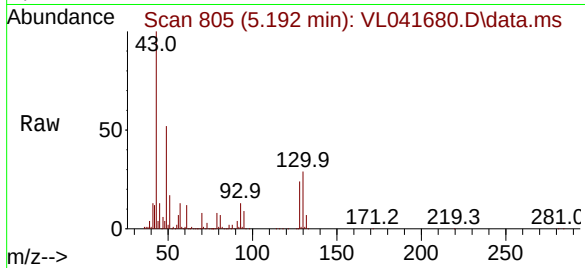
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. 0.004 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

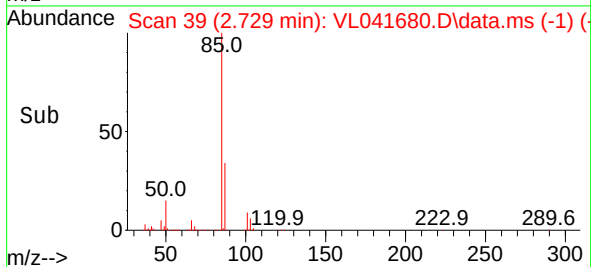
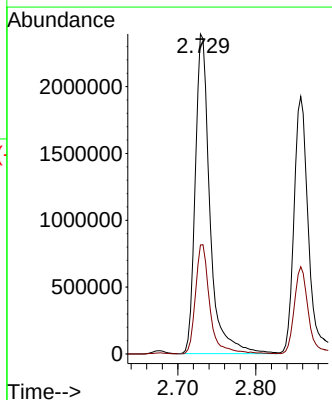
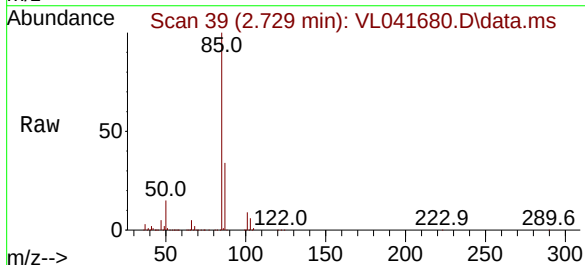
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

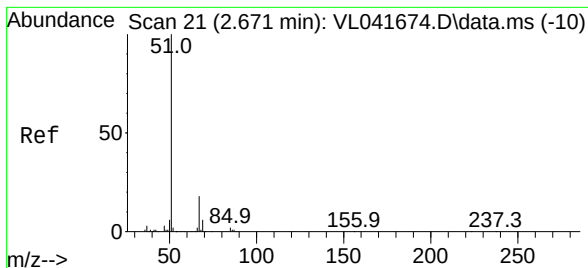
Tgt Ion: 49 Resp: 1139788
Ion Ratio Lower Upper
49 100
128 47.2 23.8 71.2
130 60.9 30.1 90.5



#2
Dichlorodifluoromethane
Concen: 15.140 ppbv
RT: 2.729 min Scan# 39
Delta R.T. 0.003 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

Tgt Ion: 85 Resp: 3118931
Ion Ratio Lower Upper
85 100
87 34.1 26.8 40.2

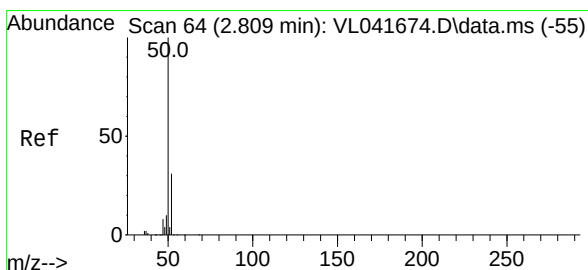
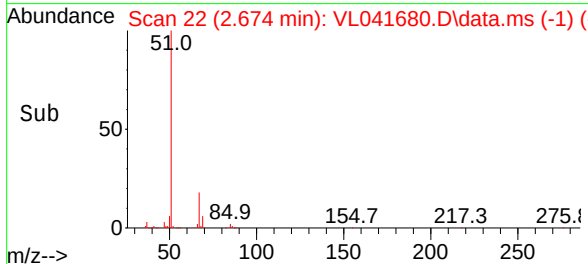
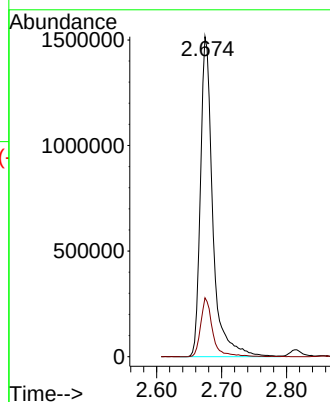
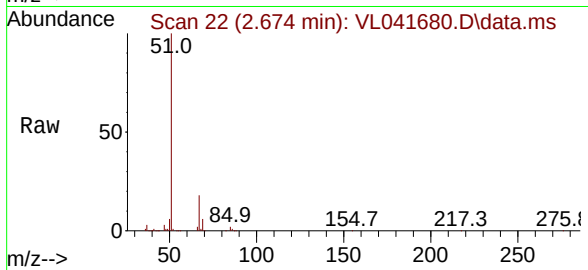




#3
Chlorodifluoromethane
Concen: 13.489 ppbv
RT: 2.674 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

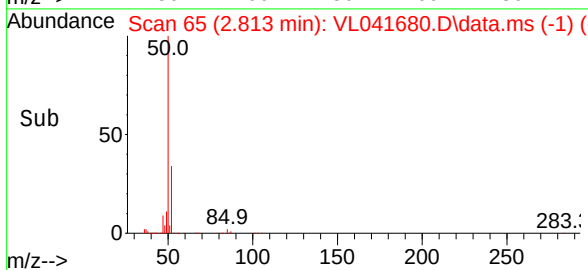
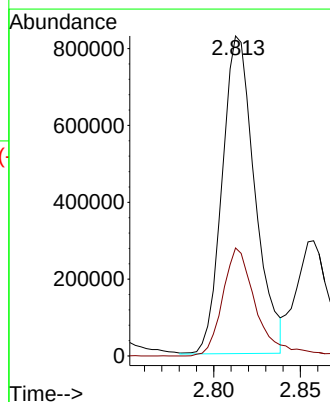
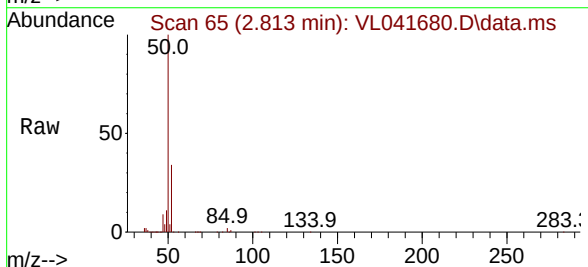
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

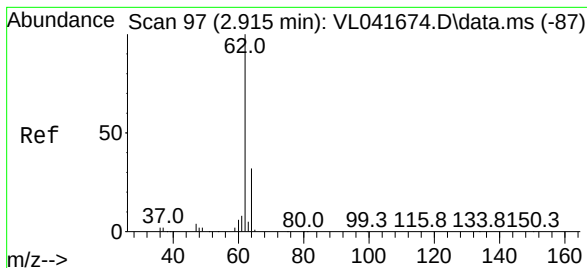
Tgt Ion: 51 Resp: 2003229
Ion Ratio Lower Upper
51 100
67 18.0 13.9 20.9



#4
Chloromethane
Concen: 13.801 ppbv
RT: 2.813 min Scan# 65
Delta R.T. 0.003 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

Tgt Ion: 50 Resp: 1085629
Ion Ratio Lower Upper
50 100
52 34.1 24.9 37.3

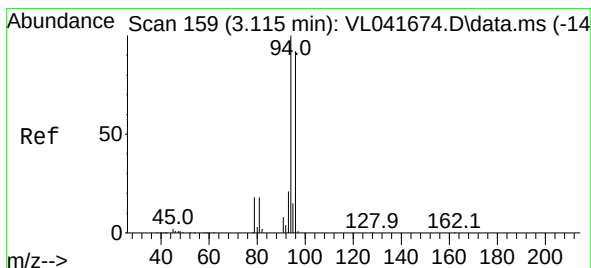
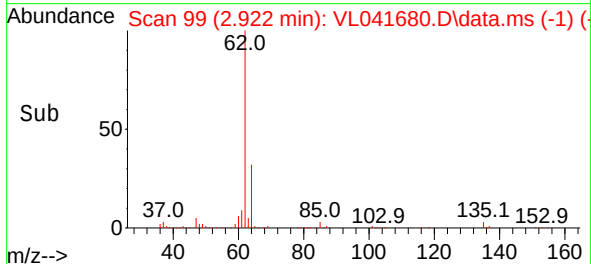
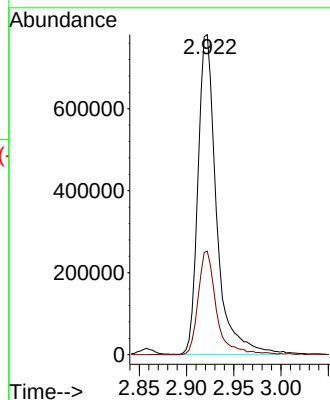
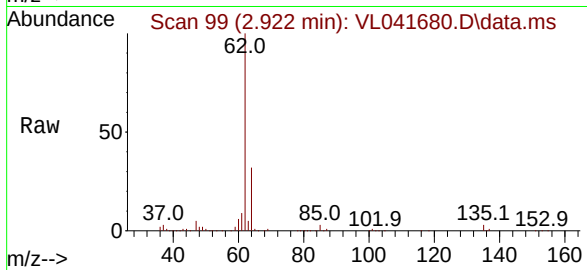




#5
 Vinyl Chloride
 Concen: 14.900 ppbv
 RT: 2.922 min Scan# 90
 Delta R.T. 0.007 min
 Lab File: VL041680.D
 Acq: 7 Nov 2024 14:12

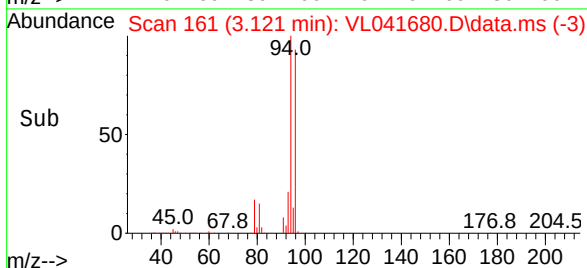
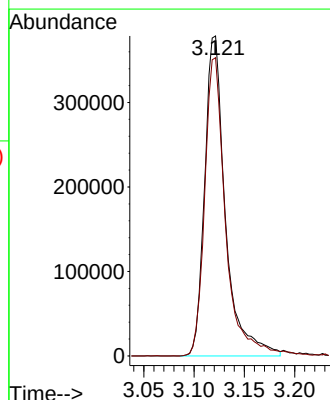
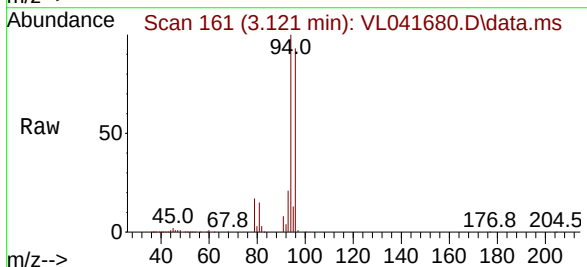
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

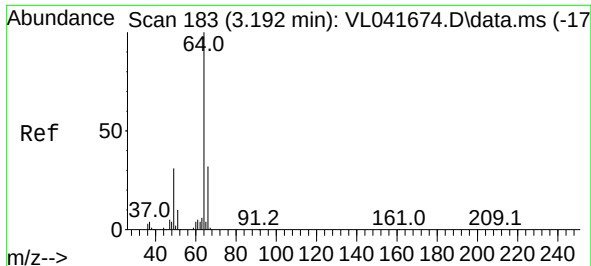
Tgt Ion: 62 Resp: 1061943
 Ion Ratio Lower Upper
 62 100
 64 32.4 25.4 38.2



#6
 Bromomethane
 Concen: 14.489 ppbv
 RT: 3.121 min Scan# 161
 Delta R.T. 0.007 min
 Lab File: VL041680.D
 Acq: 7 Nov 2024 14:12

Tgt Ion: 94 Resp: 543873
 Ion Ratio Lower Upper
 94 100
 96 93.2 73.4 110.2

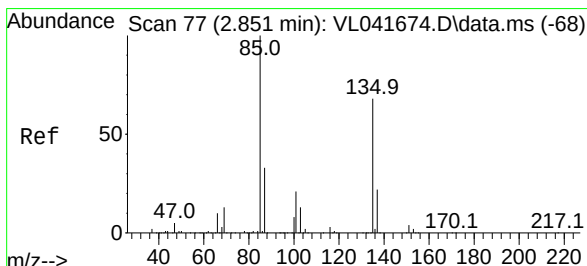
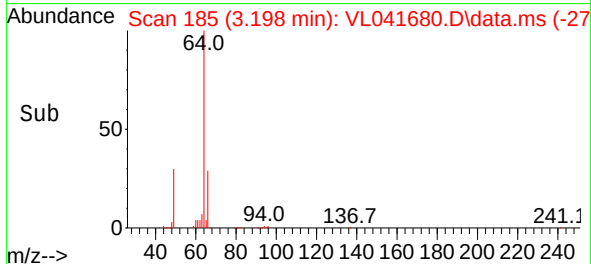
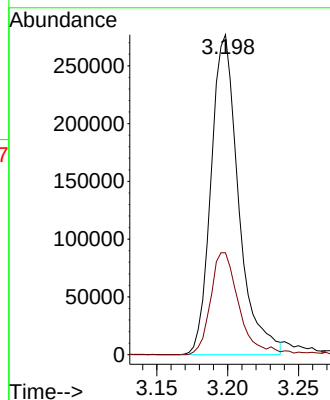
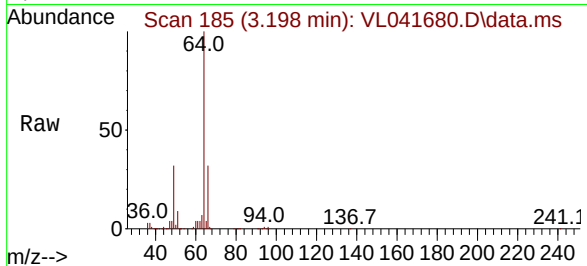




#7
Chloroethane
Concen: 14.487 ppbv
RT: 3.198 min Scan# 11
Delta R.T. 0.007 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

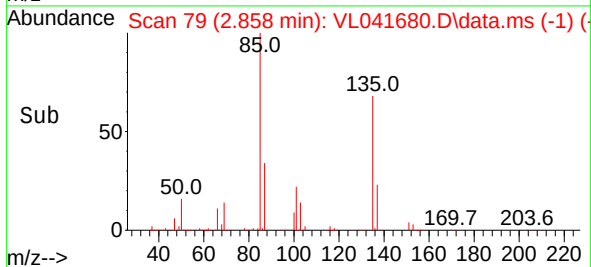
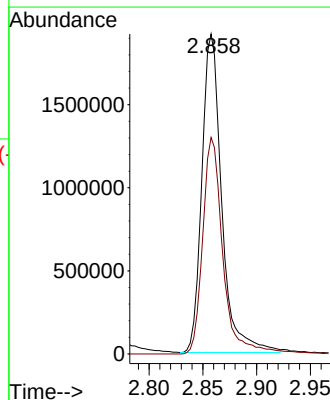
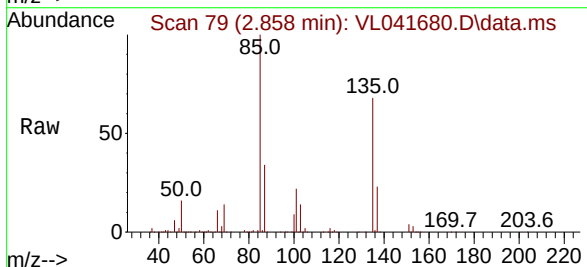
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

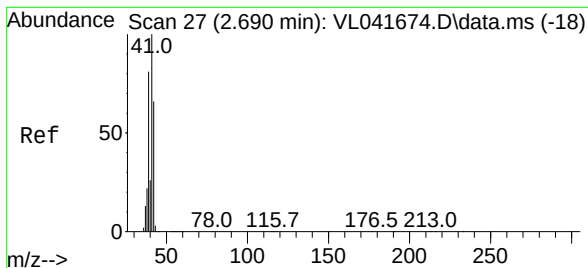
Tgt Ion: 64 Resp: 374124
Ion Ratio Lower Upper
64 100
66 31.8 25.9 38.9



#8
Dichlorotetrafluoroethane
Concen: 13.440 ppbv
RT: 2.858 min Scan# 79
Delta R.T. 0.007 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

Tgt Ion: 85 Resp: 2471590
Ion Ratio Lower Upper
85 100
135 69.7 55.5 83.3





#9

Propene

Concen: 14.010 ppbv

RT: 2.694 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

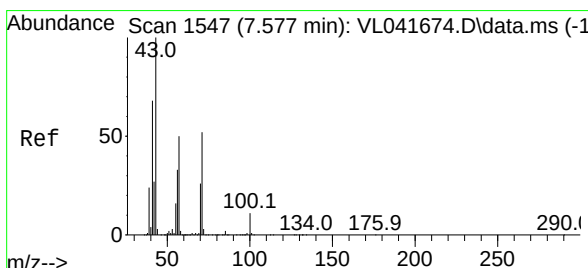
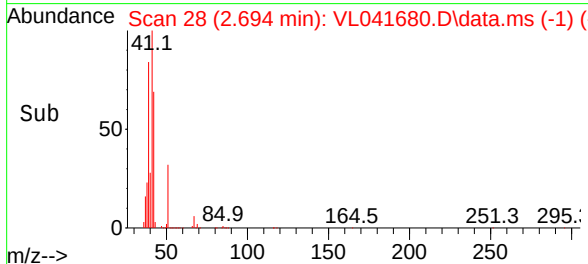
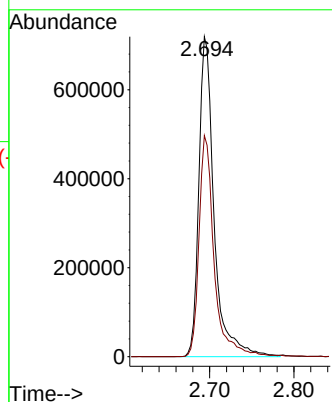
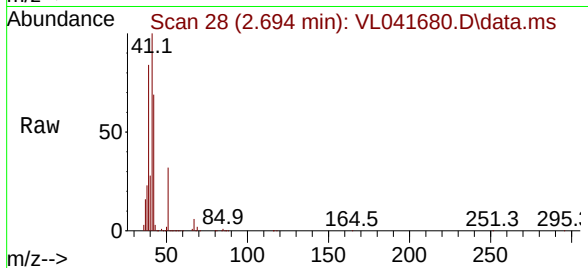
VSTDIC015

Tgt Ion: 41 Resp: 906594

Ion Ratio Lower Upper

41 100

42 69.2 55.0 82.4



#10

Heptane

Concen: 15.754 ppbv

RT: 7.581 min Scan# 1548

Delta R.T. 0.003 min

Lab File: VL041680.D

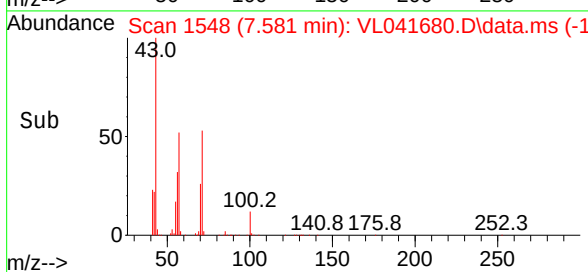
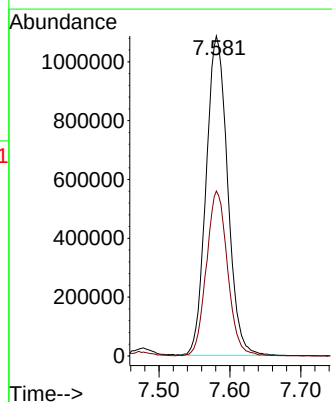
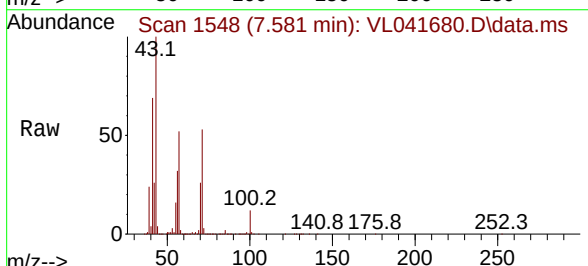
Acq: 7 Nov 2024 14:12

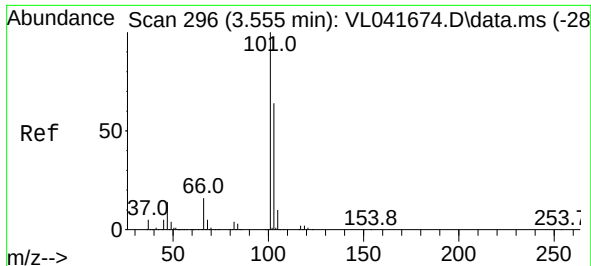
Tgt Ion: 43 Resp: 2284371

Ion Ratio Lower Upper

43 100

57 51.0 40.0 60.0





#11

Trichlorofluoromethane

Concen: 13.958 ppbv

RT: 3.562 min Scan# 296

Delta R.T. 0.007 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

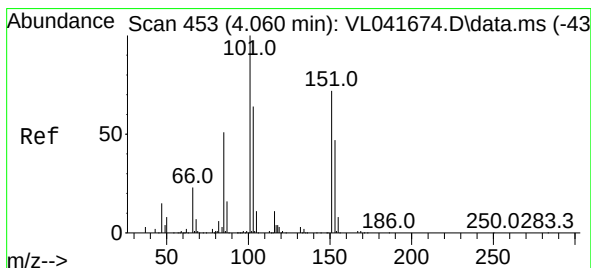
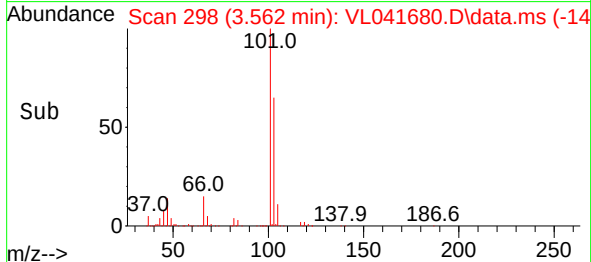
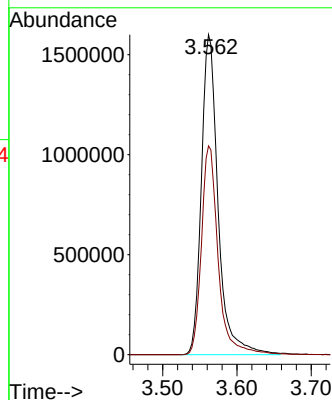
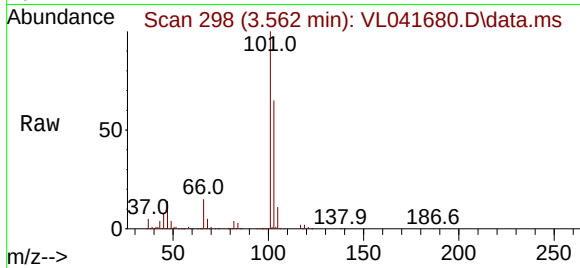
VSTDIC015

Tgt Ion:101 Resp: 2504580

Ion Ratio Lower Upper

101 100

103 65.2 51.0 76.6



#12

1,1,2-Trichlorotrifluoroethane

Concen: 14.068 ppbv

RT: 4.067 min Scan# 455

Delta R.T. 0.007 min

Lab File: VL041680.D

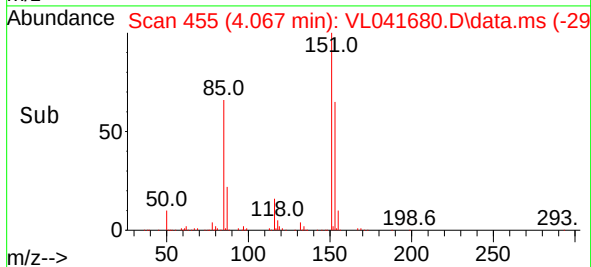
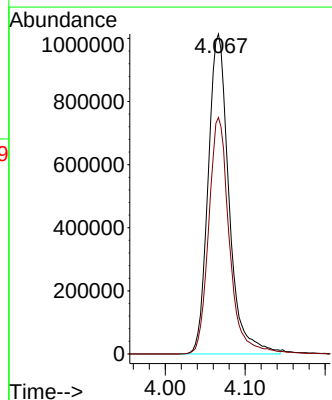
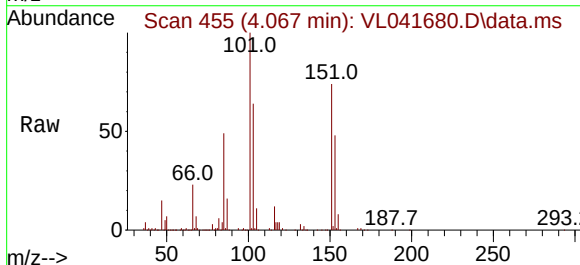
Acq: 7 Nov 2024 14:12

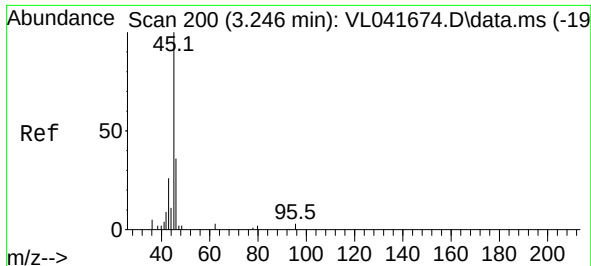
Tgt Ion:101 Resp: 1834846

Ion Ratio Lower Upper

101 100

151 73.7 59.1 88.7





#13

Ethanol

Concen: 6.000 ppbv

RT: 3.250 min Scan# 20

Delta R.T. 0.003 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

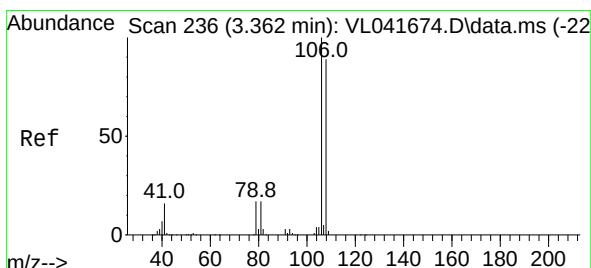
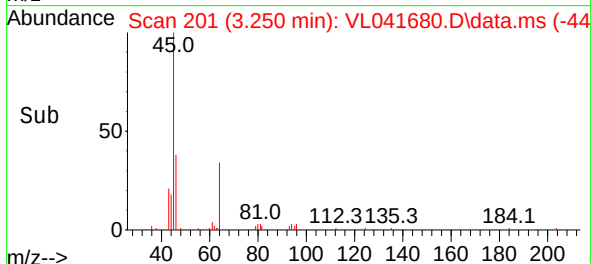
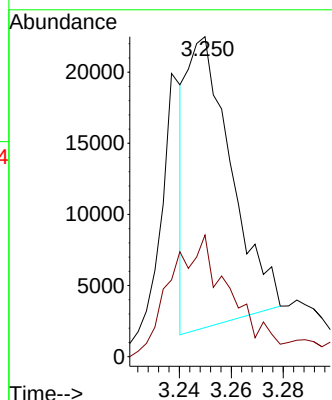
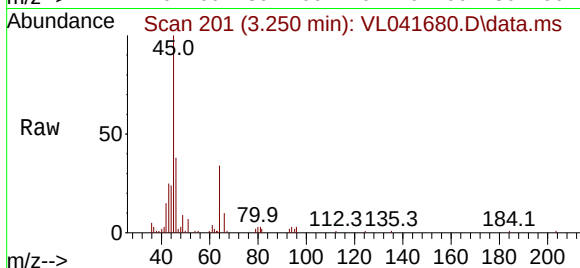
VSTDIC015

Tgt Ion: 45 Resp: 24151

Ion Ratio Lower Upper

45 100

46 63.8 13.8 55.2#



#14

Bromoethene

Concen: 14.401 ppbv

RT: 3.366 min Scan# 237

Delta R.T. 0.003 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

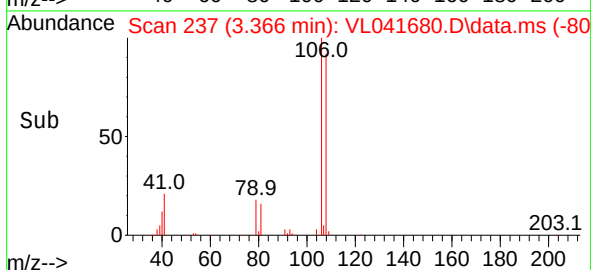
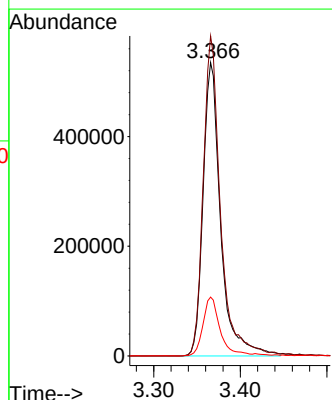
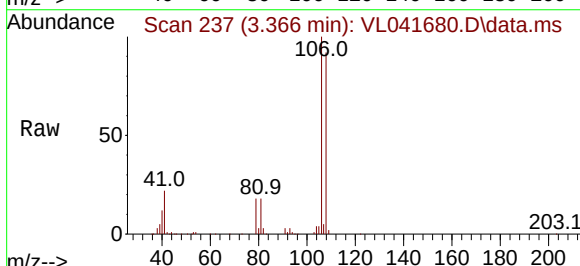
Tgt Ion:108 Resp: 755053

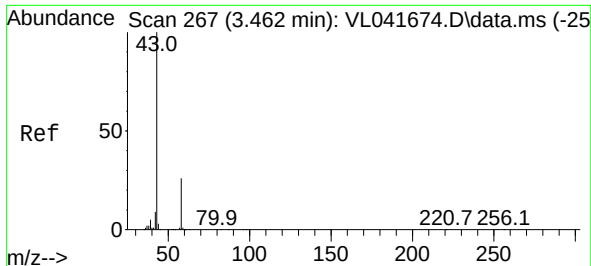
Ion Ratio Lower Upper

108 100

106 108.4 88.6 133.0

79 20.3 15.6 23.4





#15

Acetone

Concen: 13.448 ppbv

RT: 3.469 min Scan# 2

Delta R.T. 0.007 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

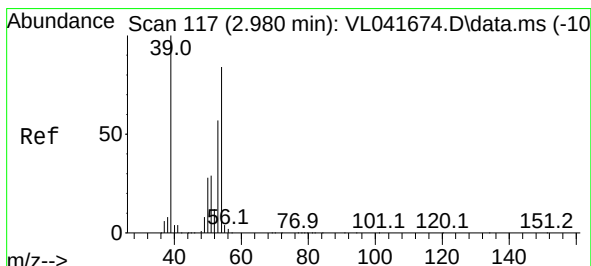
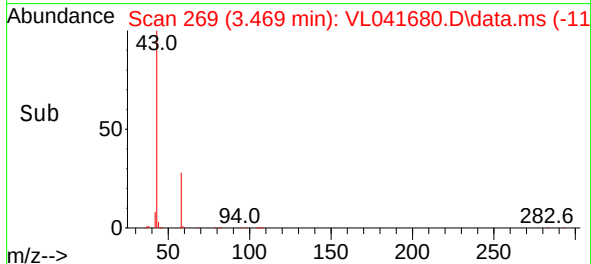
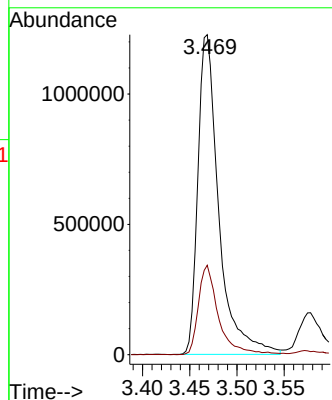
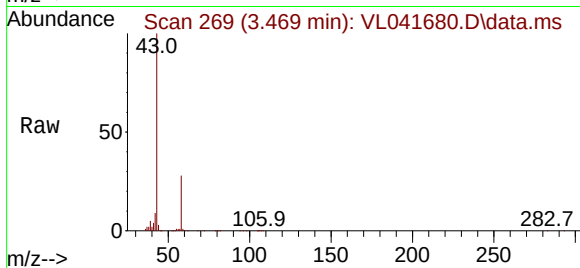
VSTDIC015

Tgt Ion: 43 Resp: 1886393

Ion Ratio Lower Upper

43 100

58 27.1 21.4 32.0



#16

1,3-Butadiene

Concen: 15.371 ppbv

RT: 2.986 min Scan# 119

Delta R.T. 0.007 min

Lab File: VL041680.D

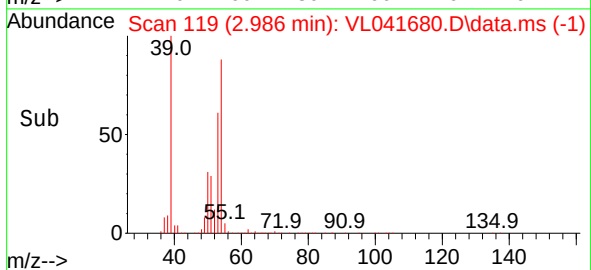
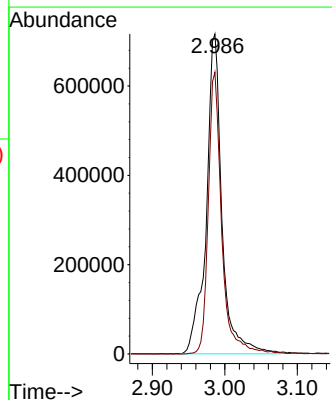
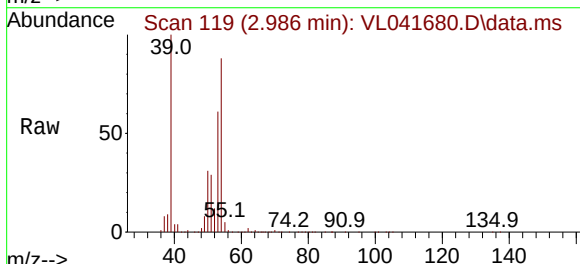
Acq: 7 Nov 2024 14:12

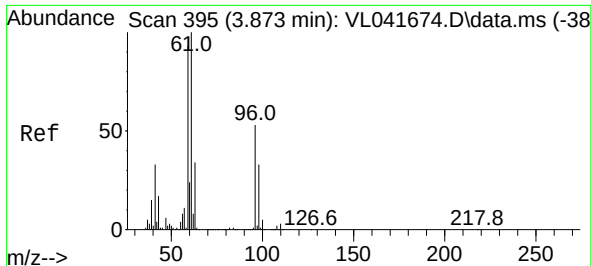
Tgt Ion: 39 Resp: 1081107

Ion Ratio Lower Upper

39 100

54 75.5 61.3 91.9





#17

tert-Butyl alcohol

Concen: 13.516 ppbv

RT: 3.880 min Scan# 397

Delta R.T. 0.007 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

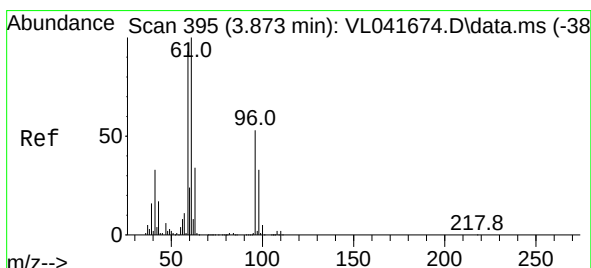
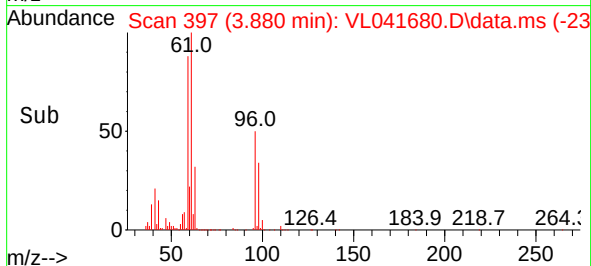
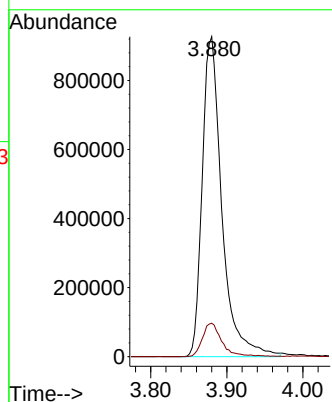
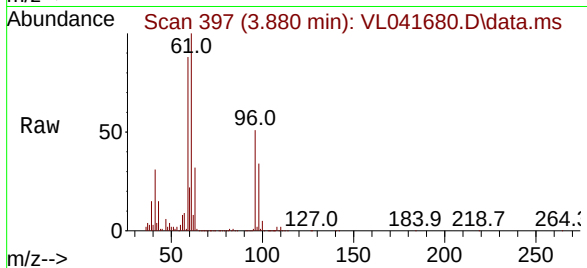
VSTDIC015

Tgt Ion: 59 Resp: 1663672

Ion Ratio Lower Upper

59 100

57 10.5 8.5 12.7



#18

1,1-Dichloroethene

Concen: 14.596 ppbv

RT: 3.880 min Scan# 397

Delta R.T. 0.007 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

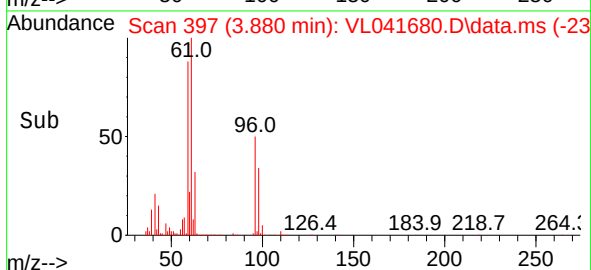
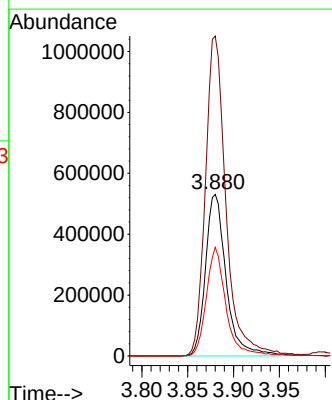
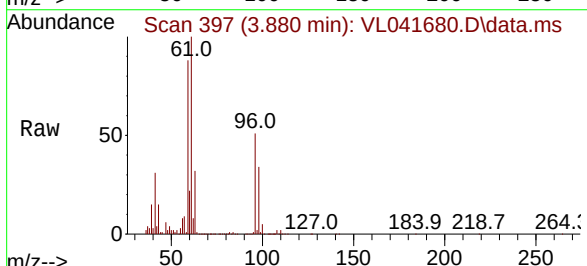
Tgt Ion: 96 Resp: 834933

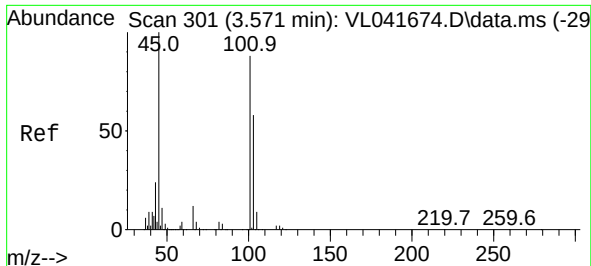
Ion Ratio Lower Upper

96 100

61 198.0 150.7 226.1

98 67.2 49.4 74.2





#19

Isopropyl Alcohol

Concen: 13.406 ppbv

RT: 3.575 min Scan# 301

Delta R.T. 0.003 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

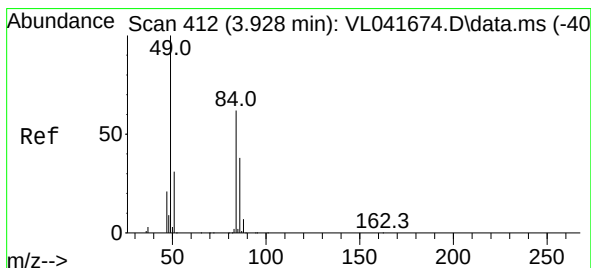
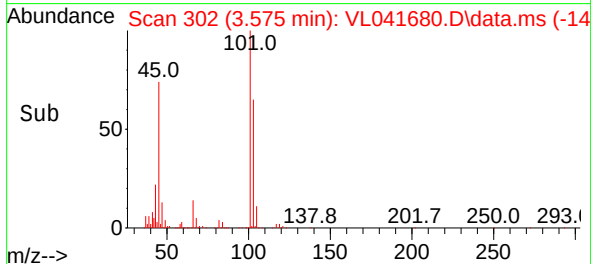
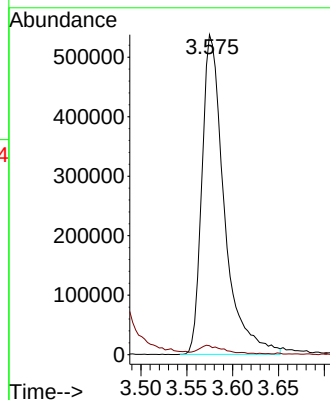
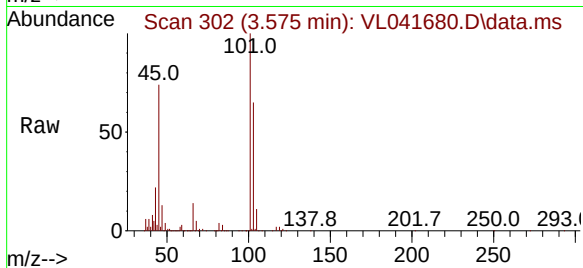
VSTDIC015

Tgt Ion: 45 Resp: 910280

Ion Ratio Lower Upper

45 100

58 3.1 2.5 3.7



#20

Methylene Chloride

Concen: 13.313 ppbv

RT: 3.932 min Scan# 413

Delta R.T. 0.003 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Tgt Ion: 84 Resp: 687212

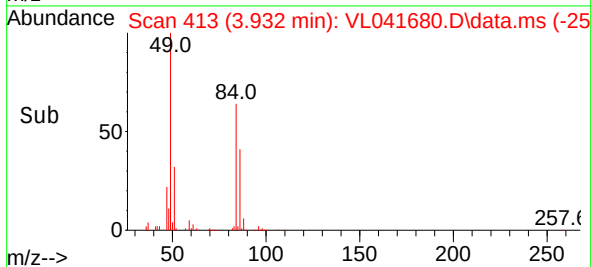
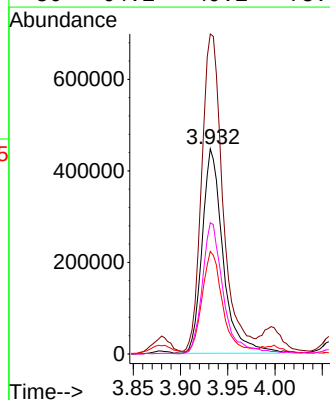
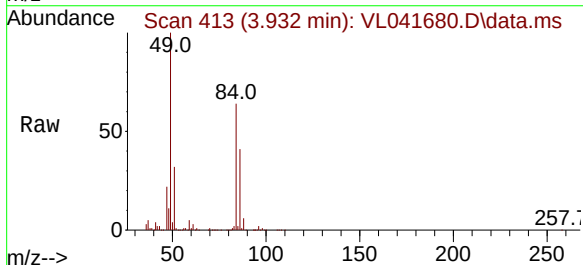
Ion Ratio Lower Upper

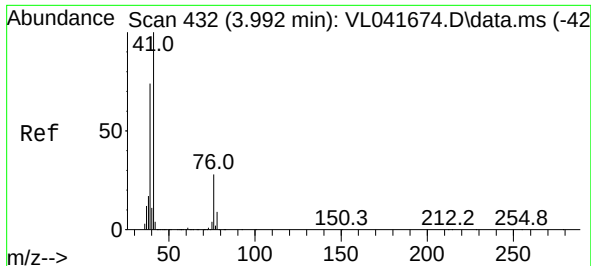
84 100

49 155.1 129.7 194.5

51 48.9 39.8 59.6

86 64.1 49.1 73.7

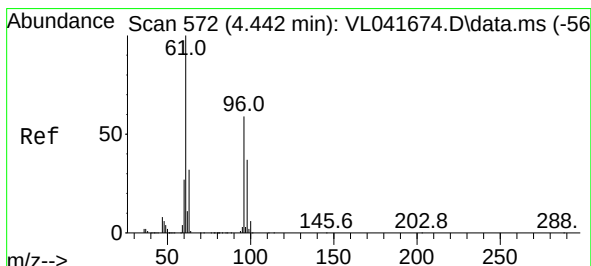
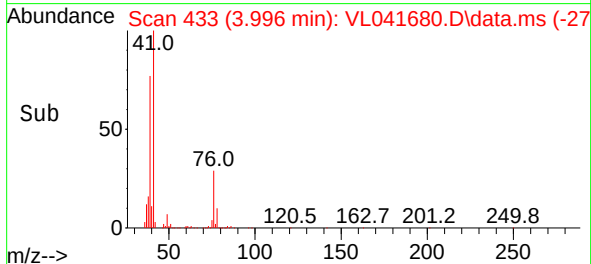
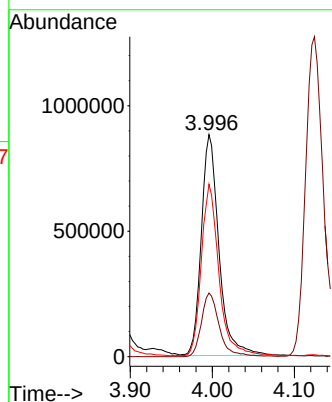
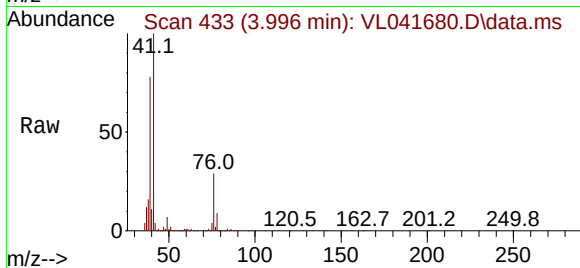




#21
Allyl Chloride
Concen: 15.194 ppbv
RT: 3.996 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

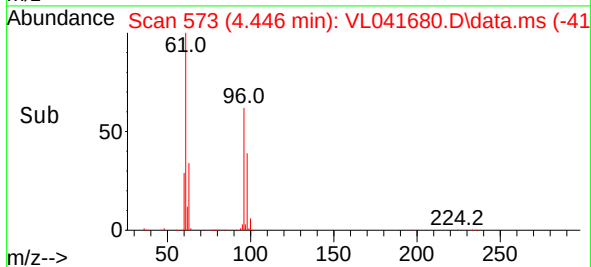
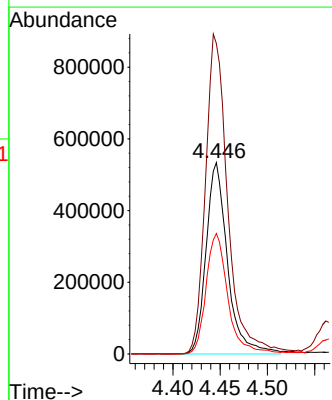
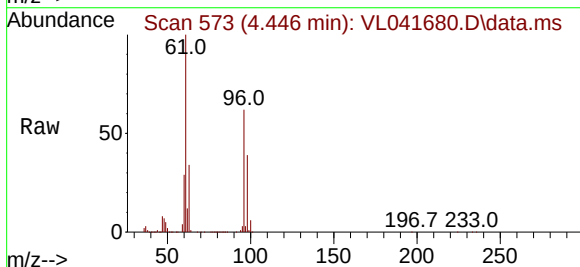
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

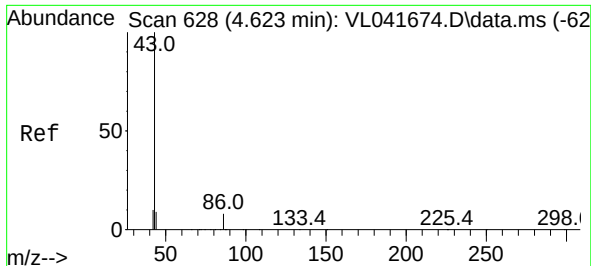
Tgt Ion: 41 Resp: 1317025
Ion Ratio Lower Upper
41 100
76 29.3 23.5 35.3
39 77.7 63.0 94.4



#22
trans-1,2-Dichloroethene
Concen: 14.755 ppbv
RT: 4.446 min Scan# 573
Delta R.T. 0.003 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

Tgt Ion: 96 Resp: 842095
Ion Ratio Lower Upper
96 100
61 162.3 134.5 201.7
98 62.9 49.6 74.4



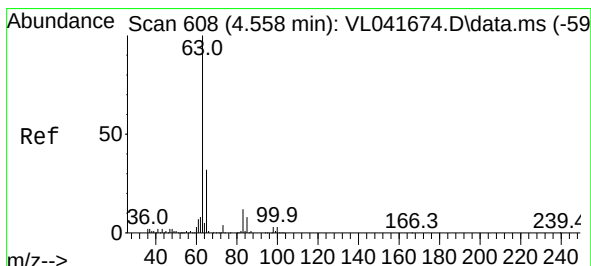
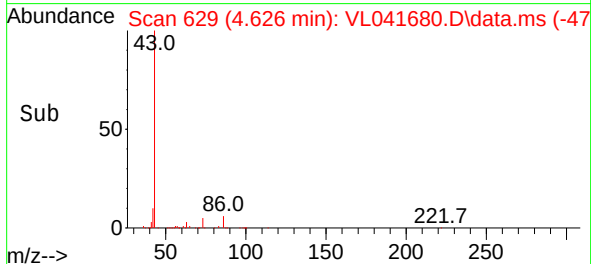
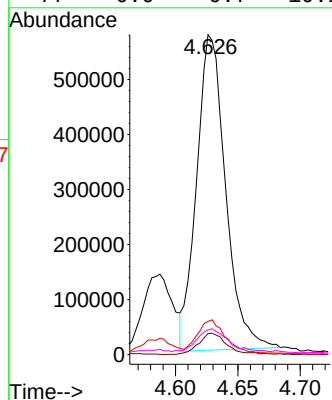
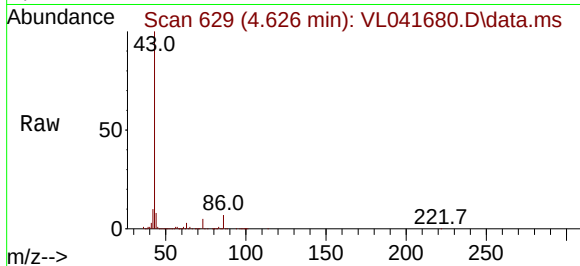


#23
 Vinyl Acetate
 Concen: 14.047 ppbv
 RT: 4.626 min Scan# 610
 Delta R.T. 0.003 min
 Lab File: VL041680.D
 Acq: 7 Nov 2024 14:12

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tgt Ion: 43 Resp: 926796

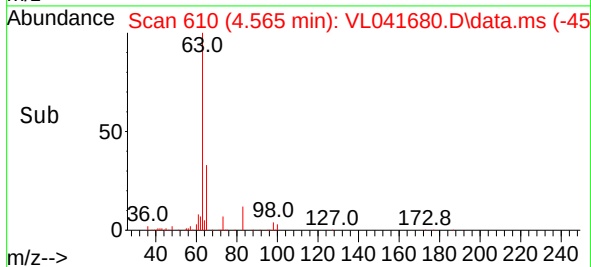
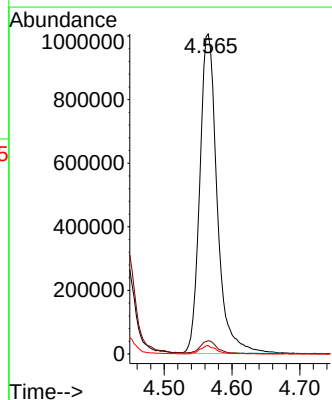
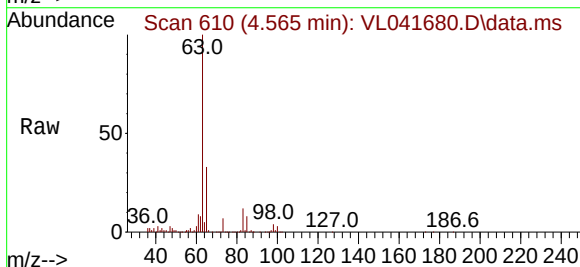
Ion	Ratio	Lower	Upper
43	100		
86	6.4	5.3	7.9
42	10.1	8.5	12.7
44	6.9	6.7	10.1

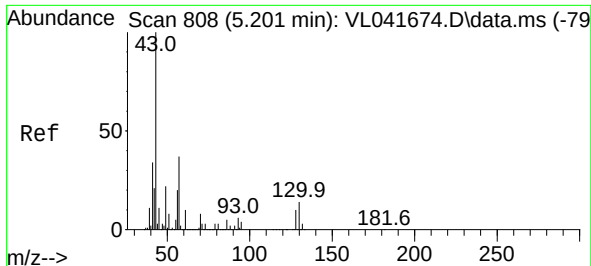


#24
 1,1-Dichloroethane
 Concen: 14.103 ppbv
 RT: 4.565 min Scan# 610
 Delta R.T. 0.007 min
 Lab File: VL041680.D
 Acq: 7 Nov 2024 14:12

Tgt Ion: 63 Resp: 1790354

Ion	Ratio	Lower	Upper
63	100		
98	4.1	1.8	5.4
100	2.6	1.4	4.2





#25

Ethyl Acetate

Concen: 14.583 ppbv

RT: 5.205 min Scan# 809

Delta R.T. 0.003 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Instrument :

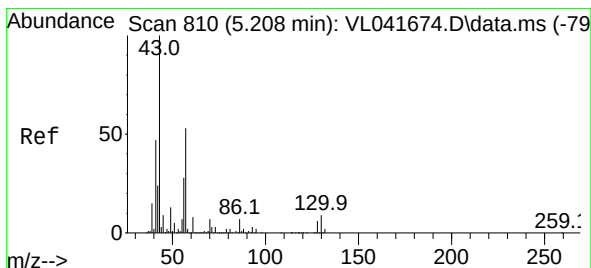
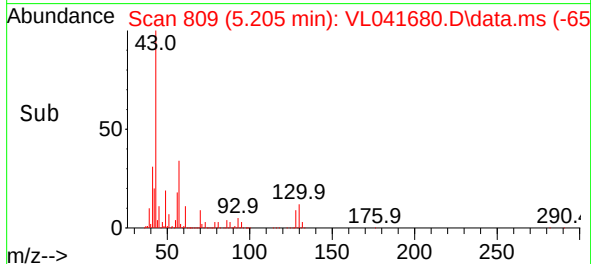
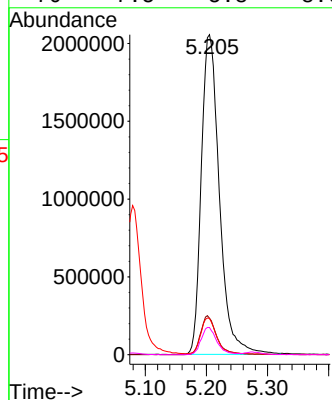
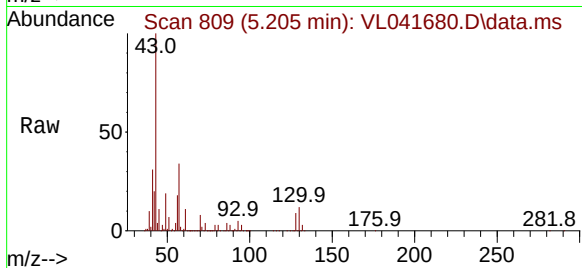
MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 43 Resp: 4234322

Ion	Ratio	Lower	Upper
43	100		
45	10.9	8.6	13.0
61	10.4	8.4	12.6
70	7.5	5.8	8.6



#26

Hexane

Concen: 15.184 ppbv

RT: 5.211 min Scan# 811

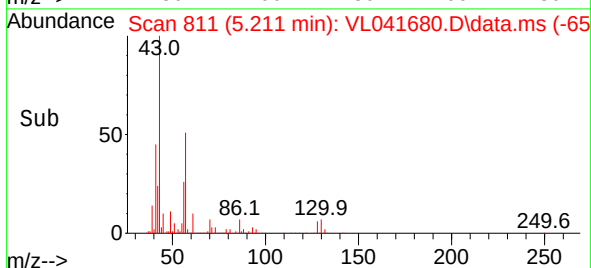
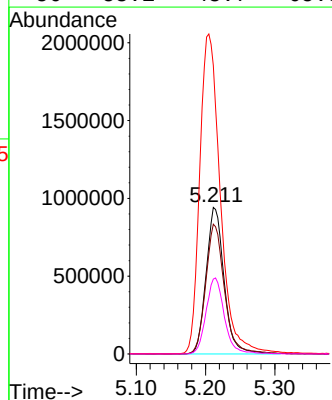
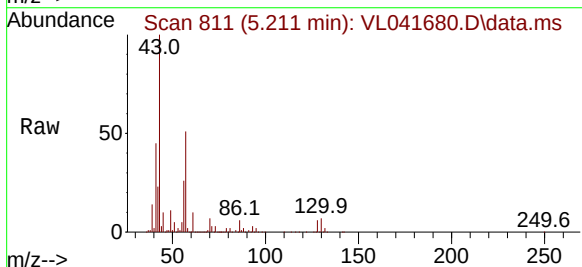
Delta R.T. 0.003 min

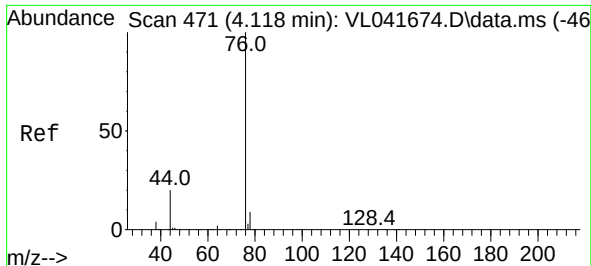
Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Tgt Ion: 57 Resp: 1693823

Ion	Ratio	Lower	Upper
57	100		
41	92.5	76.1	114.1
43	250.9	207.0	310.6
56	53.1	43.7	65.5

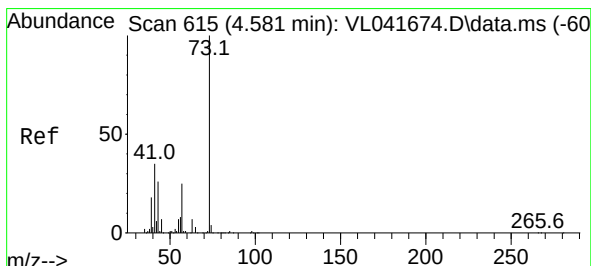
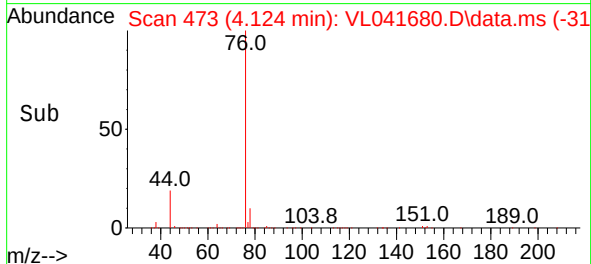
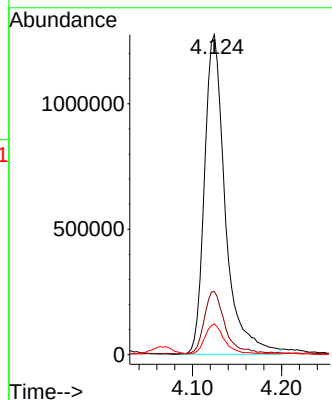
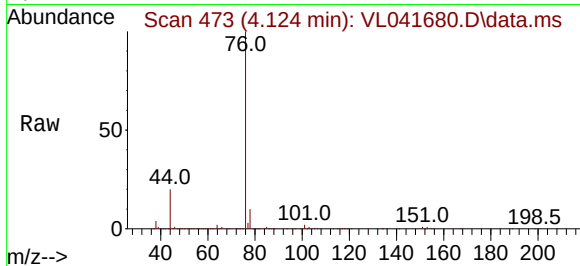




#27
Carbon Disulfide
Concen: 16.531 ppbv
RT: 4.124 min Scan# 41
Delta R.T. 0.007 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

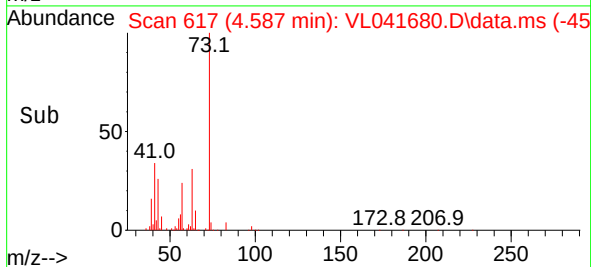
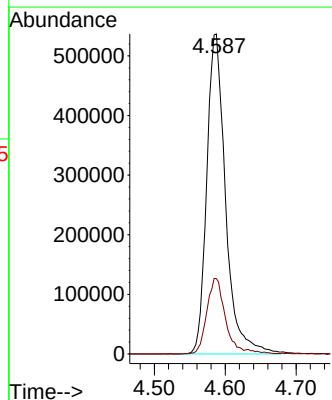
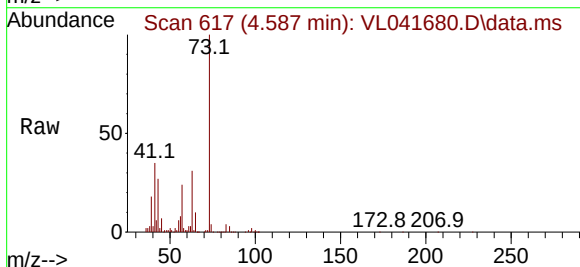
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

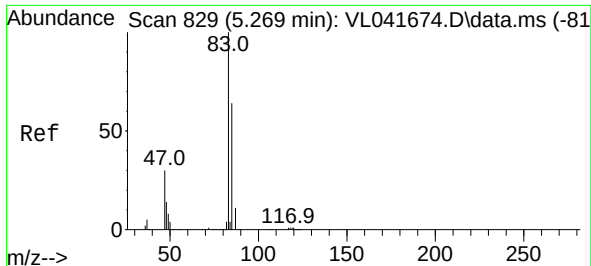
Tgt Ion: 76 Resp: 2071779
Ion Ratio Lower Upper
76 100
44 20.4 15.8 23.8
78 9.5 7.5 11.3



#28
Methyl tert-Butyl Ether
Concen: 13.764 ppbv
RT: 4.587 min Scan# 617
Delta R.T. 0.007 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

Tgt Ion: 73 Resp: 988726
Ion Ratio Lower Upper
73 100
57 23.9 19.6 29.4





#29

Chloroform

Concen: 14.204 ppbv

RT: 5.276 min Scan# 81

Delta R.T. 0.007 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

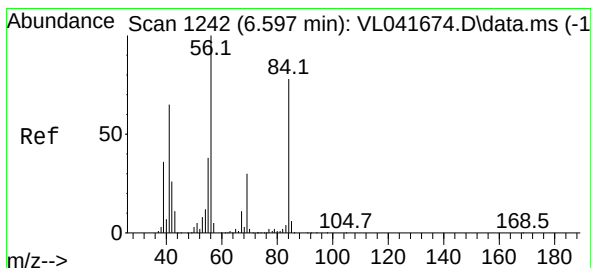
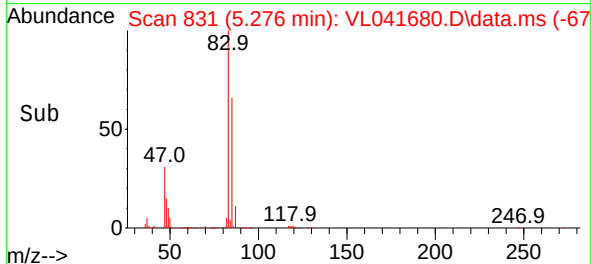
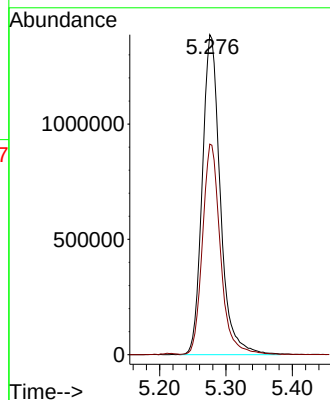
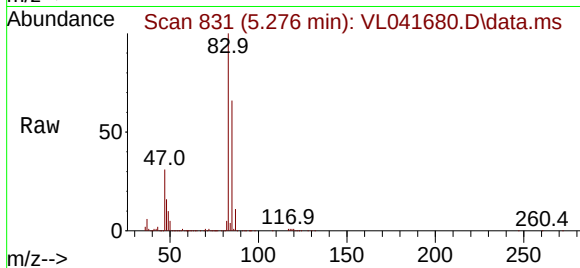
VSTDIC015

Tgt Ion: 83 Resp: 2615593

Ion Ratio Lower Upper

83 100

85 65.7 51.1 76.7



#30

Cyclohexane

Concen: 16.132 ppbv

RT: 6.600 min Scan# 1243

Delta R.T. 0.003 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

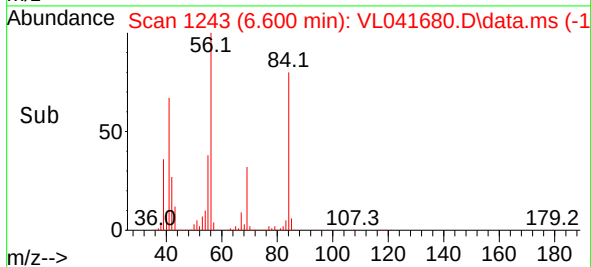
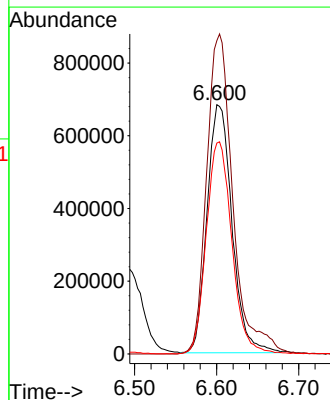
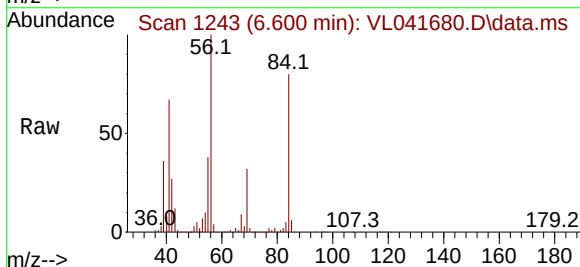
Tgt Ion: 84 Resp: 1445757

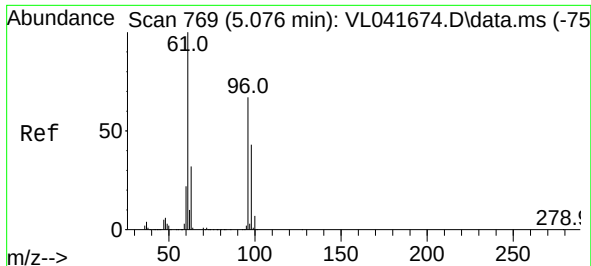
Ion Ratio Lower Upper

84 100

56 135.8 110.8 166.2

41 87.5 70.0 105.0





#31

cis-1,2-Dichloroethene

Concen: 15.426 ppbv

RT: 5.079 min Scan# 7

Delta R.T. 0.003 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

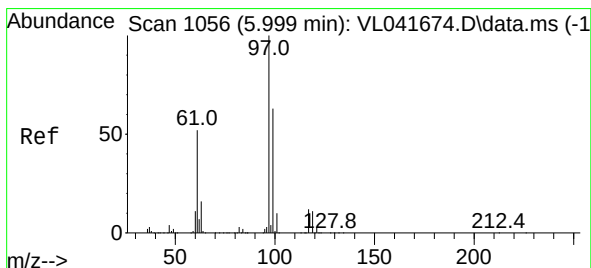
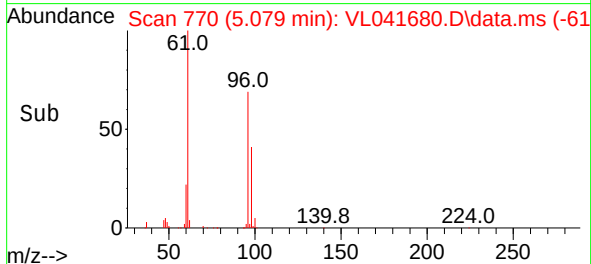
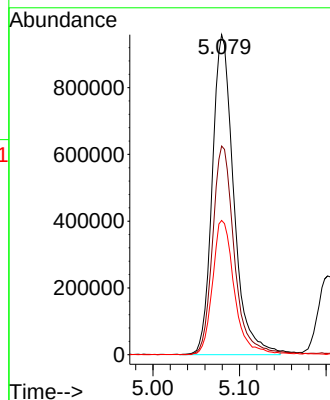
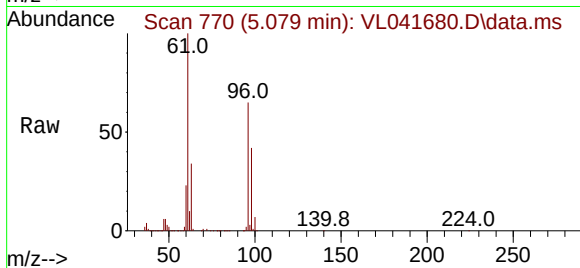
Tgt Ion: 61 Resp: 1655410

Ion Ratio Lower Upper

61 100

96 65.1 53.4 80.2

98 41.9 34.0 51.0



#32

1,1,1-Trichloroethane

Concen: 15.262 ppbv

RT: 6.005 min Scan# 1058

Delta R.T. 0.007 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

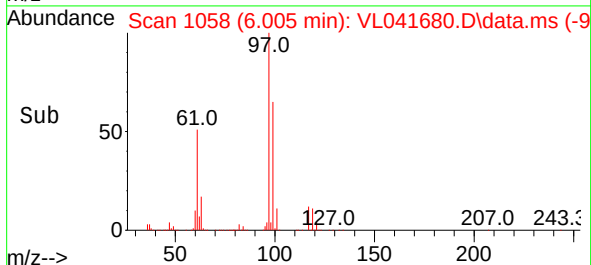
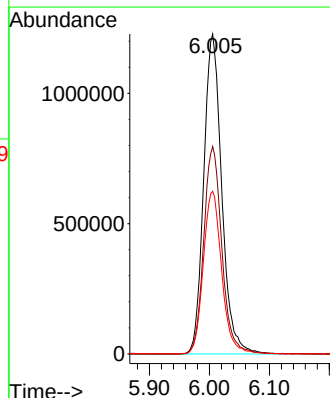
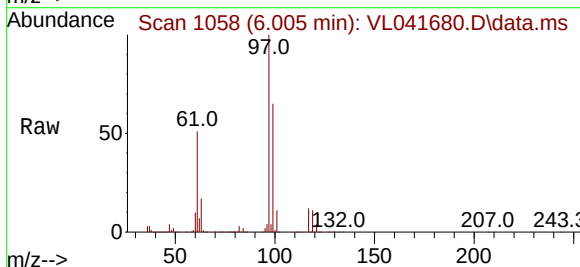
Tgt Ion: 97 Resp: 2576420

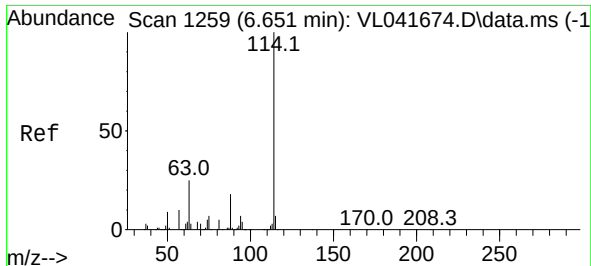
Ion Ratio Lower Upper

97 100

99 65.0 51.4 77.2

61 51.8 41.7 62.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

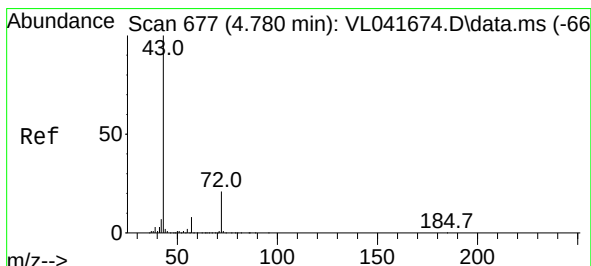
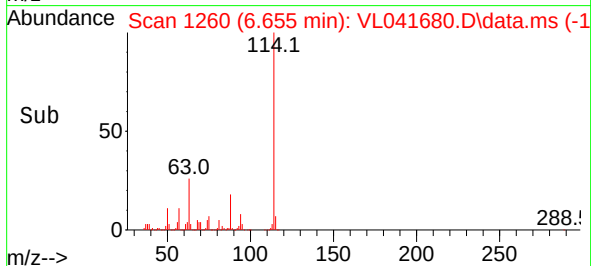
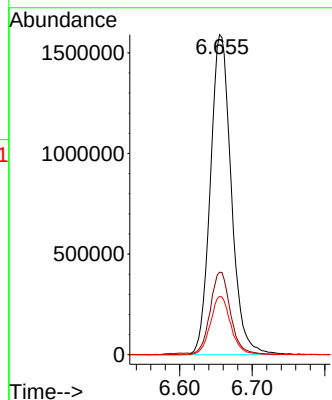
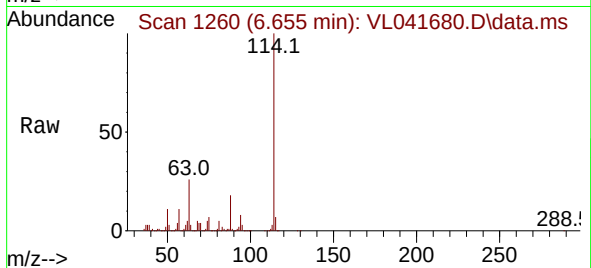
Tgt Ion:114 Resp: 3182548

Ion Ratio Lower Upper

114 100

63 25.7 20.3 30.5

88 17.9 14.2 21.4



#34

2-Butanone

Concen: 15.033 ppbv

RT: 4.787 min Scan# 679

Delta R.T. 0.007 min

Lab File: VL041680.D

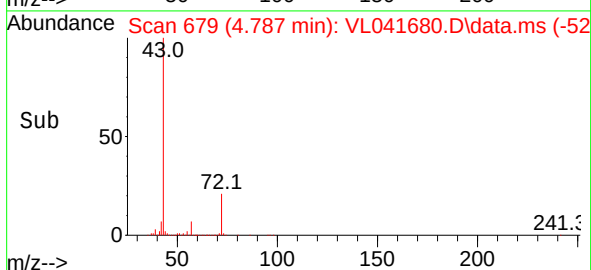
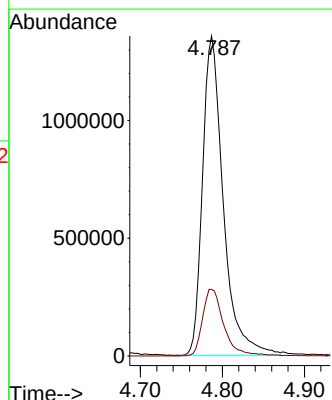
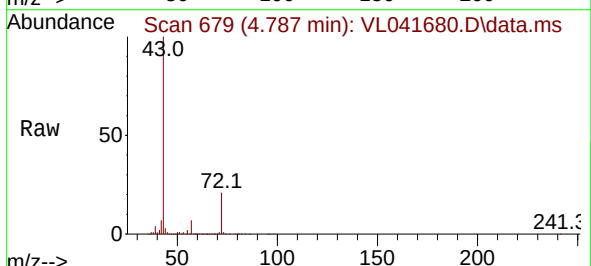
Acq: 7 Nov 2024 14:12

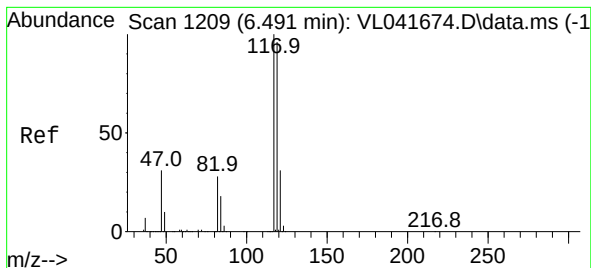
Tgt Ion: 43 Resp: 2382292

Ion Ratio Lower Upper

43 100

72 21.6 17.4 26.0





#35

Carbon Tetrachloride

Concen: 16.220 ppbv

RT: 6.497 min Scan# 117

Delta R.T. 0.007 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

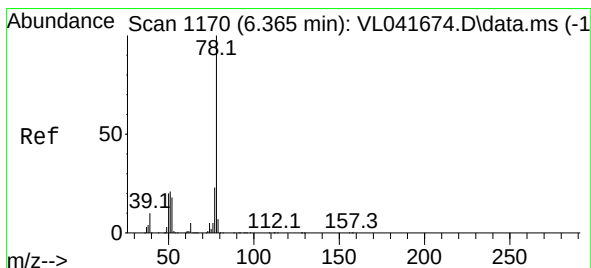
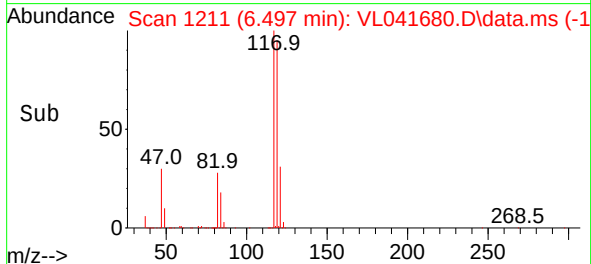
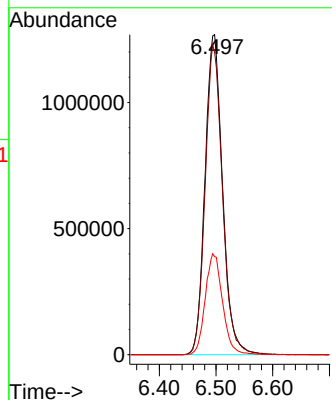
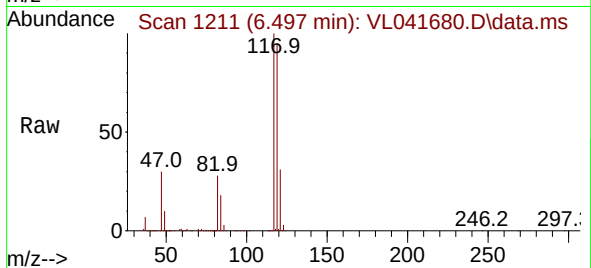
Tgt Ion:117 Resp: 2728914

Ion Ratio Lower Upper

117 100

119 94.5 77.2 115.8

121 30.7 25.0 37.4



#36

Benzene

Concen: 15.182 ppbv

RT: 6.372 min Scan# 1172

Delta R.T. 0.007 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

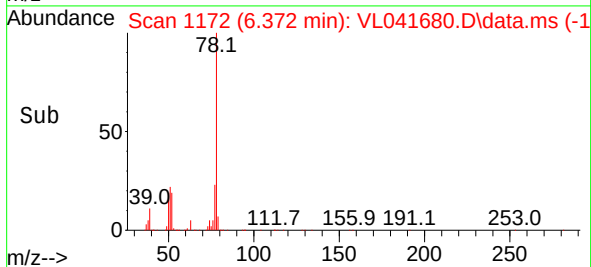
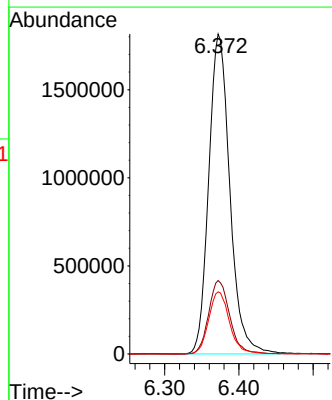
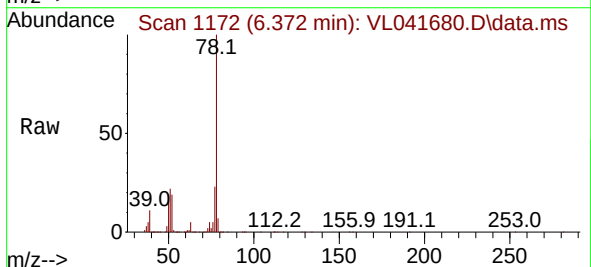
Tgt Ion: 78 Resp: 3579956

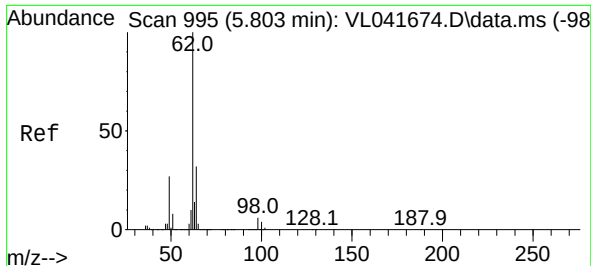
Ion Ratio Lower Upper

78 100

77 22.9 18.5 27.7

50 19.4 15.6 23.4





#37

1,2-Dichloroethane

Concen: 14.978 ppbv

RT: 5.809 min Scan# 995

Delta R.T. 0.007 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

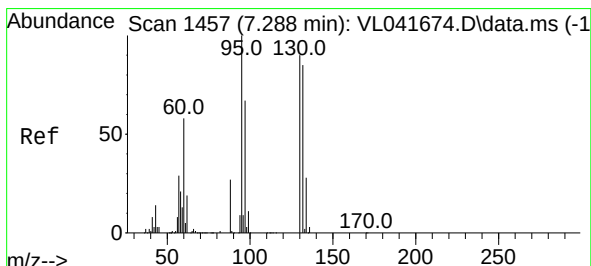
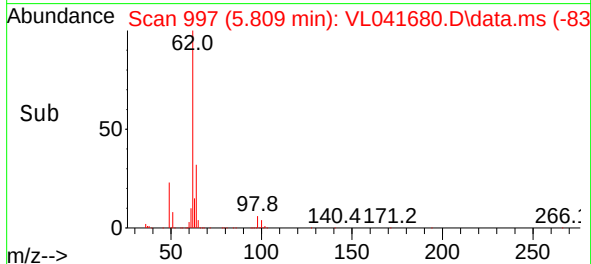
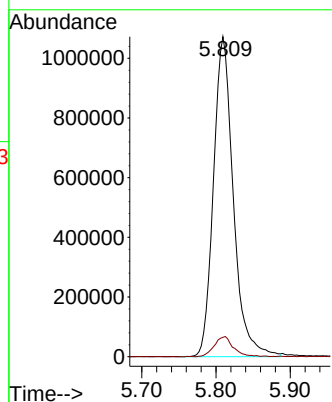
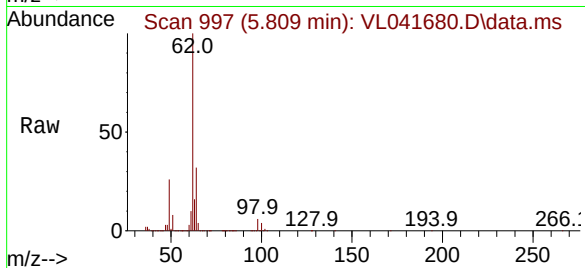
VSTDIC015

Tgt Ion: 62 Resp: 1992504

Ion Ratio Lower Upper

62 100

98 6.2 5.2 7.8



#38

Trichloroethene

Concen: 16.410 ppbv

RT: 7.295 min Scan# 1459

Delta R.T. 0.007 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Tgt Ion:130 Resp: 1492186

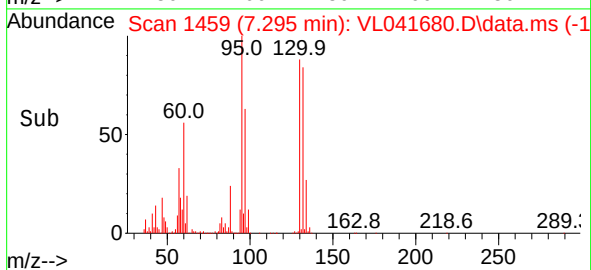
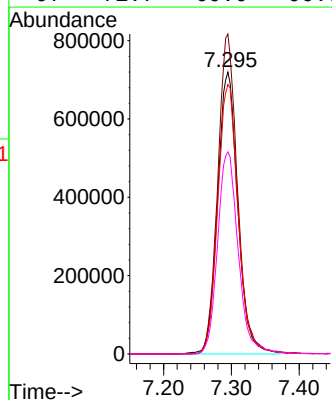
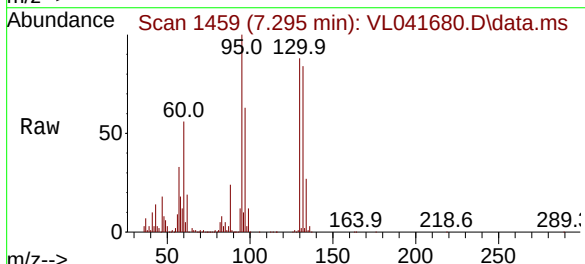
Ion Ratio Lower Upper

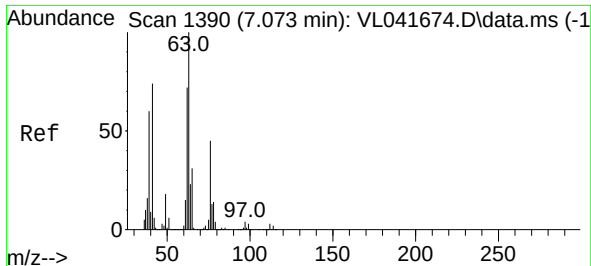
130 100

95 113.5 89.1 133.7

132 95.6 75.7 113.5

97 71.7 60.0 90.0





#39

1,2-Dichloropropane

Concen: 15.081 ppbv

RT: 7.076 min Scan# 1405

Delta R.T. 0.003 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

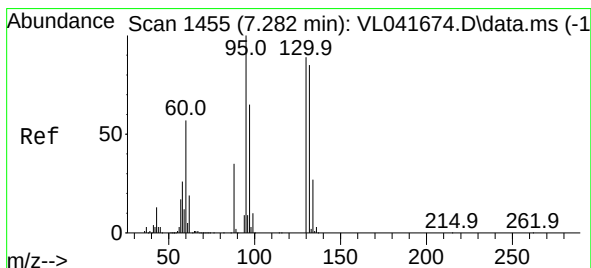
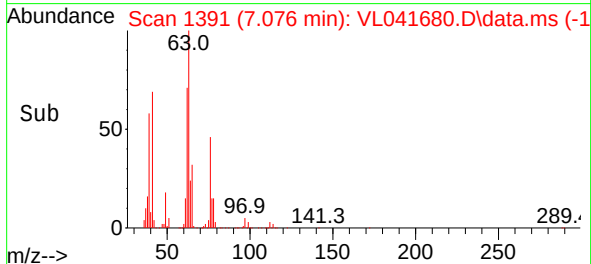
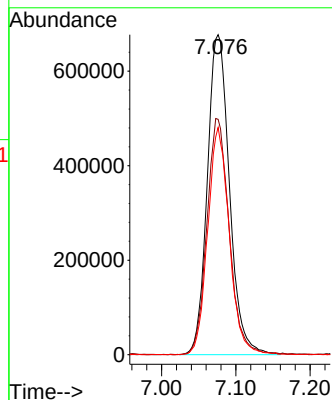
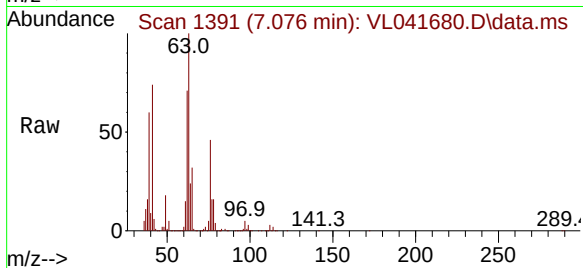
Tgt Ion: 63 Resp: 1405373

Ion Ratio Lower Upper

63 100

41 73.5 59.1 88.7

62 70.9 57.7 86.5



#40

1,4-Dioxane

Concen: 16.521 ppbv

RT: 7.285 min Scan# 1456

Delta R.T. 0.003 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Tgt Ion: 88 Resp: 545340

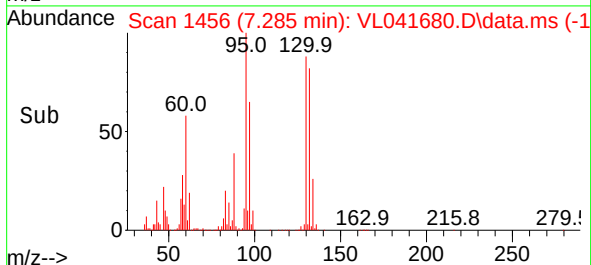
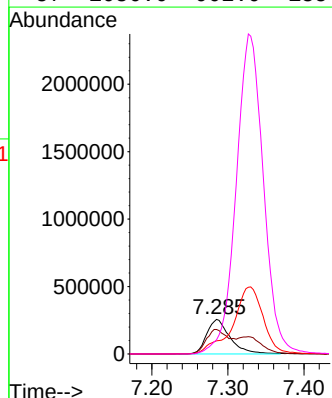
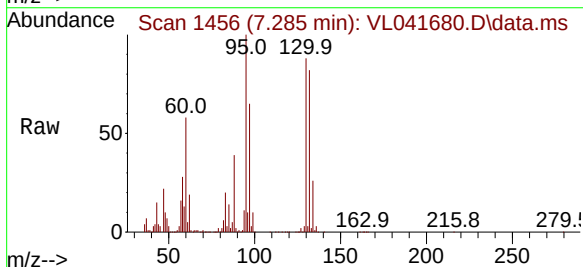
Ion Ratio Lower Upper

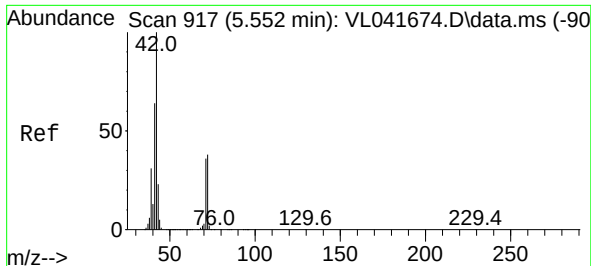
88 100

58 122.1 101.4 152.2

43 254.6 208.0 312.0

57 1086.0 902.9 1354.3





#41

Tetrahydrofuran

Concen: 16.040 ppbv

RT: 5.555 min Scan# 917

Delta R.T. 0.003 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Instrument :

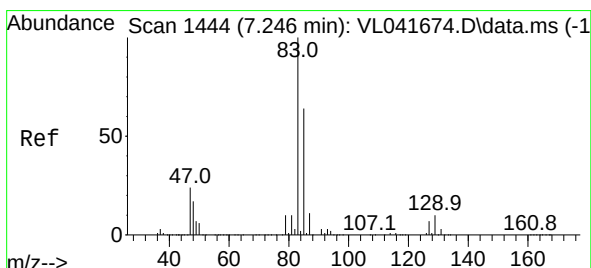
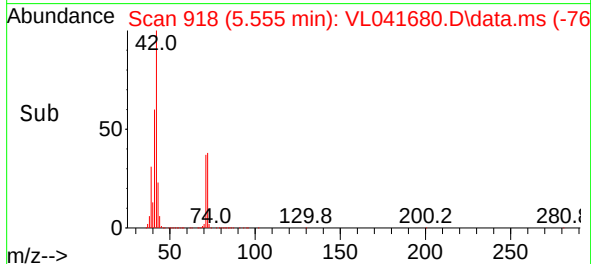
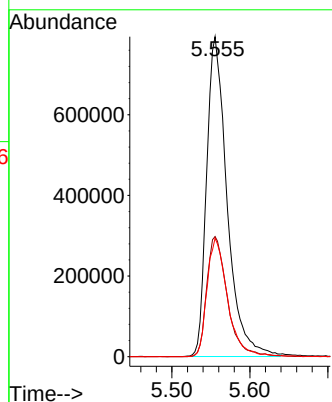
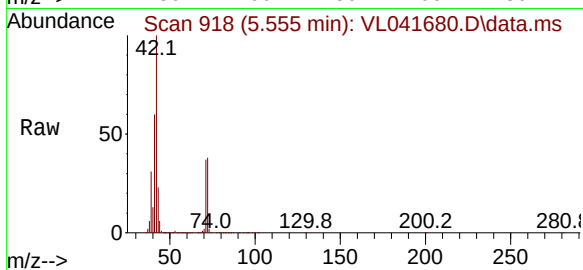
MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 42 Resp: 1449986

Ion	Ratio	Lower	Upper
42	100		
72	38.0	29.8	44.6
71	37.3	29.4	44.2



#42

Bromodichloromethane

Concen: 15.522 ppbv

RT: 7.253 min Scan# 1446

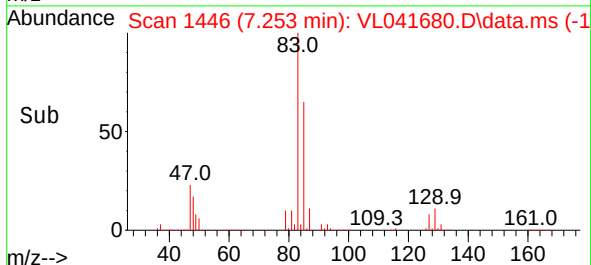
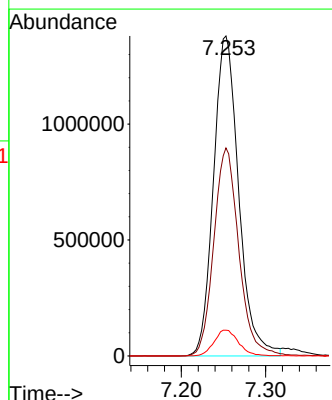
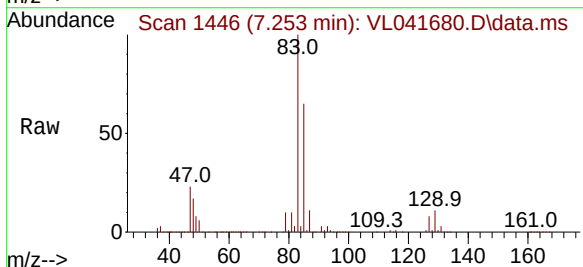
Delta R.T. 0.007 min

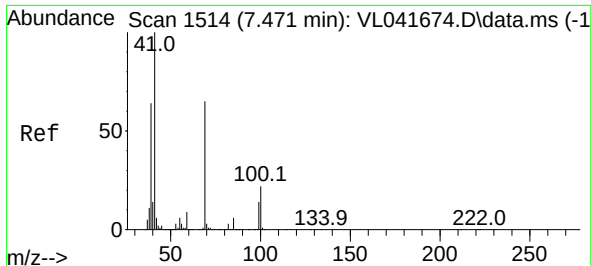
Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Tgt Ion: 83 Resp: 2869440

Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.2	76.8
127	8.0	6.0	9.0





#43

Methyl Methacrylate

Concen: 17.388 ppbv

RT: 7.475 min Scan# 1

Delta R.T. 0.003 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

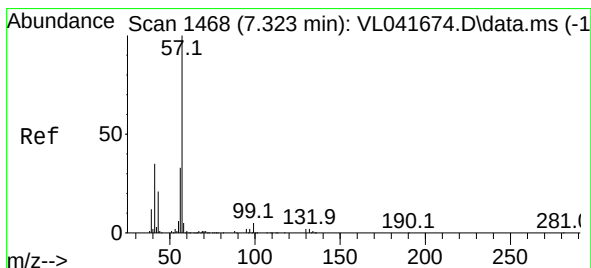
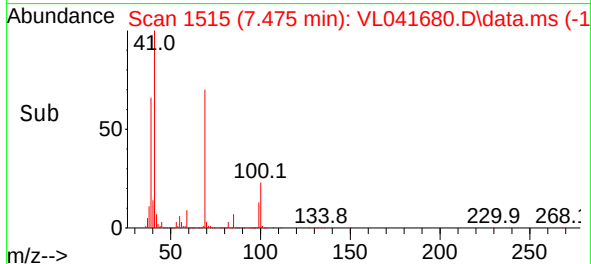
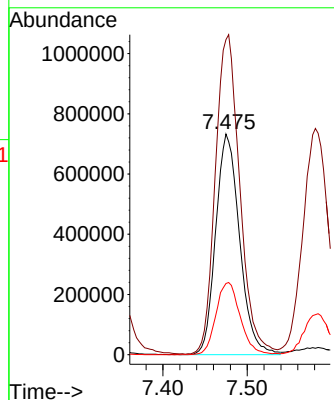
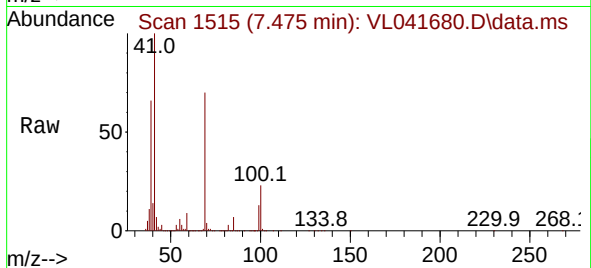
Tgt Ion: 69 Resp: 1439612

Ion Ratio Lower Upper

69 100

41 148.6 119.8 179.6

100 33.3 27.3 40.9



#44

2,2,4-Trimethylpentane

Concen: 14.828 ppbv

RT: 7.327 min Scan# 1469

Delta R.T. 0.003 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

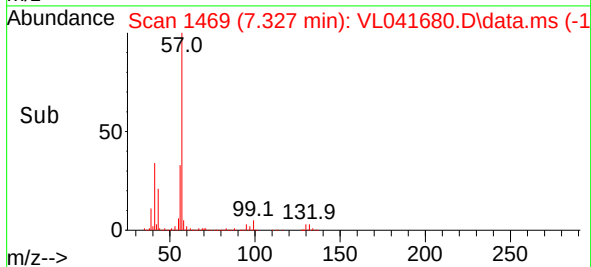
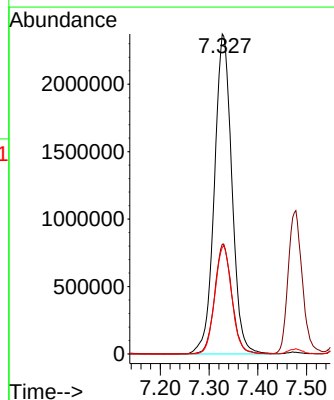
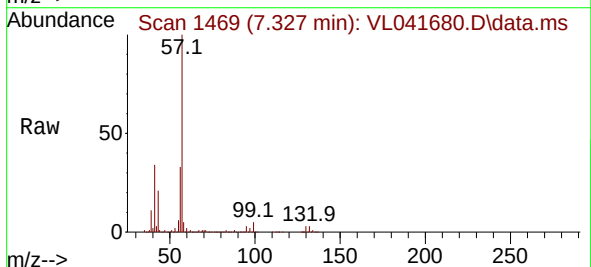
Tgt Ion: 57 Resp: 5922866

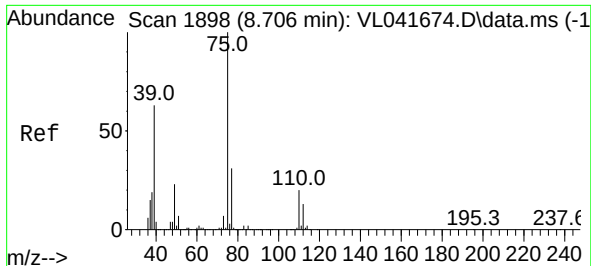
Ion Ratio Lower Upper

57 100

41 33.8 27.0 40.6

56 32.7 25.8 38.6





#45

t-1,3-Dichloropropene

Concen: 19.850 ppbv

RT: 8.713 min Scan# 1898

Delta R.T. 0.007 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

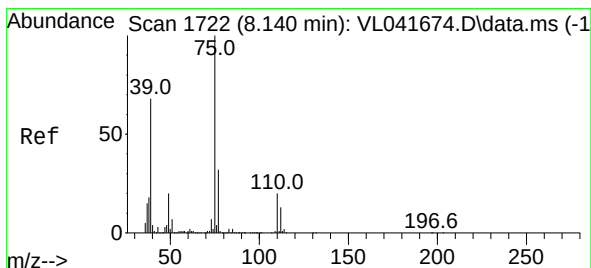
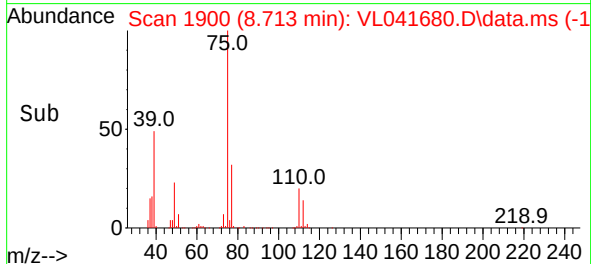
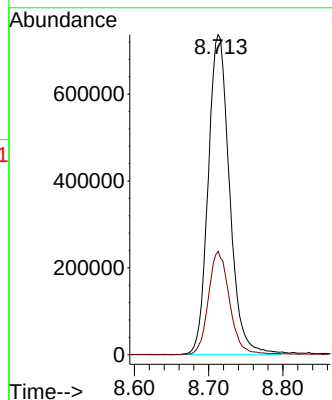
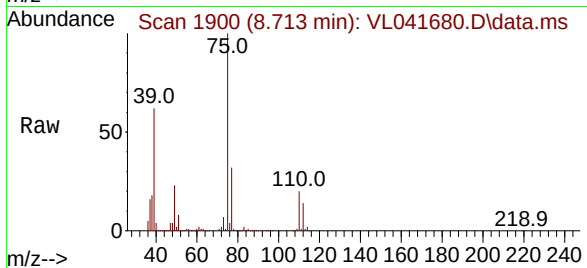
VSTDIC015

Tgt Ion: 75 Resp: 1469151

Ion Ratio Lower Upper

75 100

77 32.3 24.7 37.1



#46

cis-1,3-Dichloropropene

Concen: 18.259 ppbv

RT: 8.144 min Scan# 1723

Delta R.T. 0.003 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

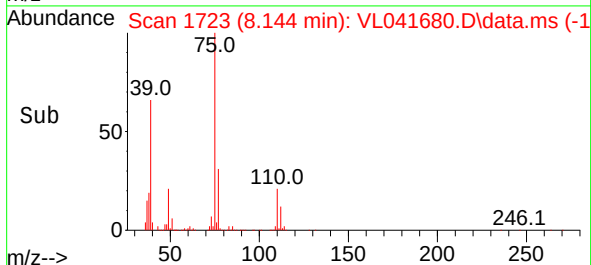
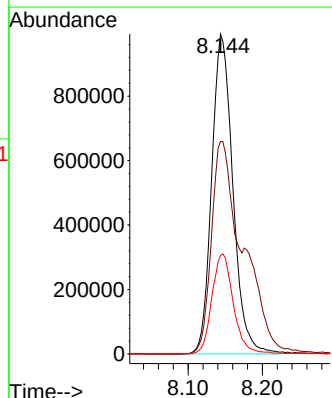
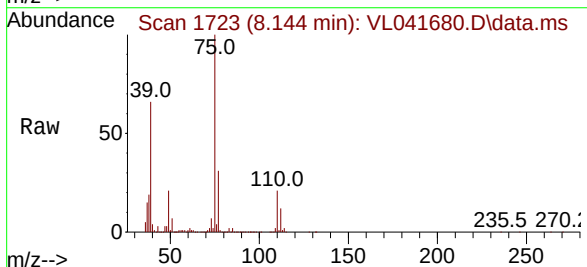
Tgt Ion: 75 Resp: 1964082

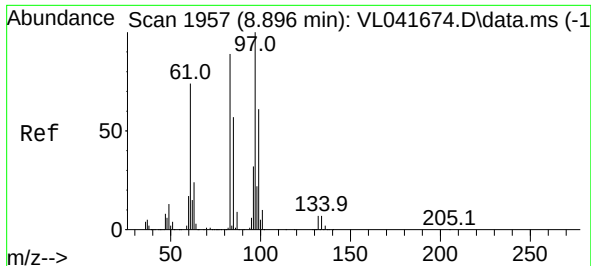
Ion Ratio Lower Upper

75 100

39 66.4 54.1 81.1

77 30.7 25.3 37.9





#47

1,1,2-Trichloroethane

Concen: 14.895 ppbv

RT: 8.902 min Scan# 1957

Delta R.T. 0.007 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 97 Resp: 1496508

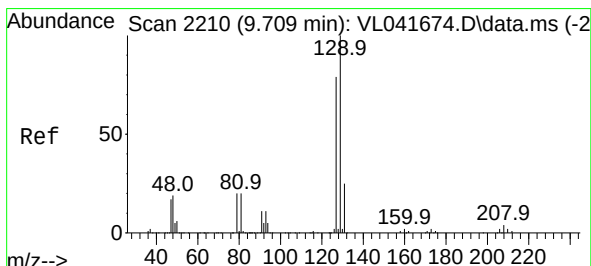
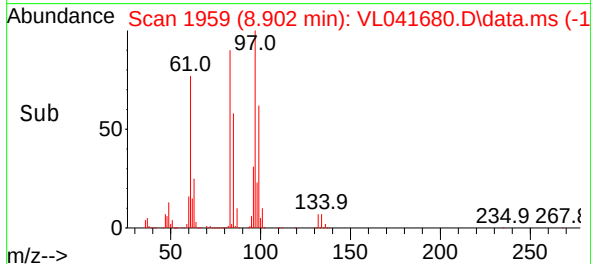
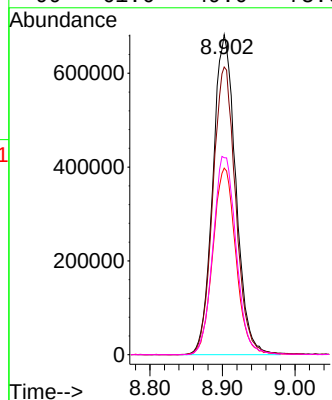
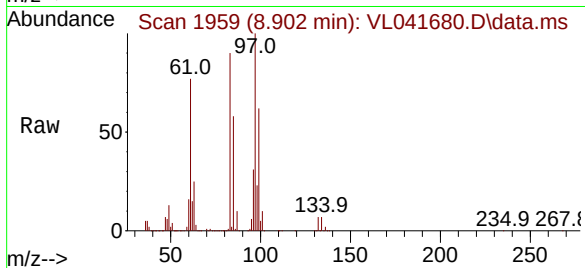
Ion Ratio Lower Upper

97 100

83 89.9 71.0 106.6

85 58.3 45.4 68.2

99 61.6 49.0 73.6



#48

Dibromochloromethane

Concen: 16.444 ppbv

RT: 9.713 min Scan# 2211

Delta R.T. 0.003 min

Lab File: VL041680.D

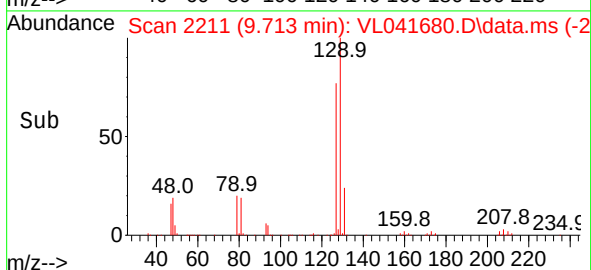
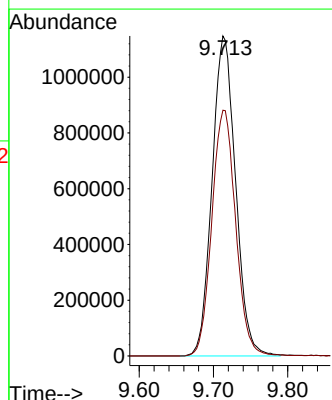
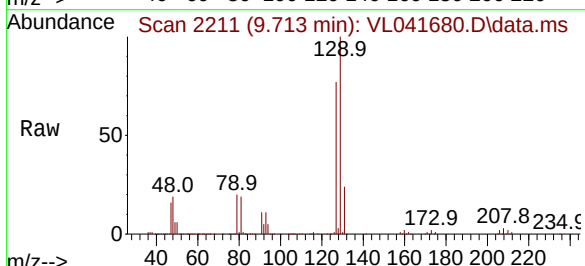
Acq: 7 Nov 2024 14:12

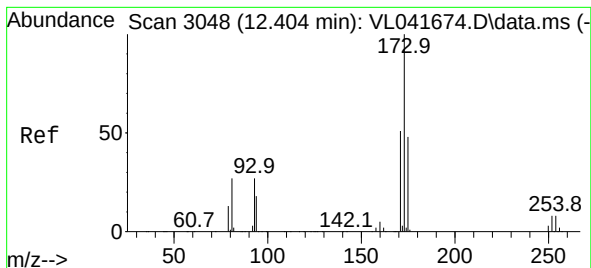
Tgt Ion: 129 Resp: 2521147

Ion Ratio Lower Upper

129 100

127 78.0 39.1 117.2





#49

Bromoform

Concen: 17.318 ppbv

RT: 12.413 min Scan# 3048

Delta R.T. 0.010 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

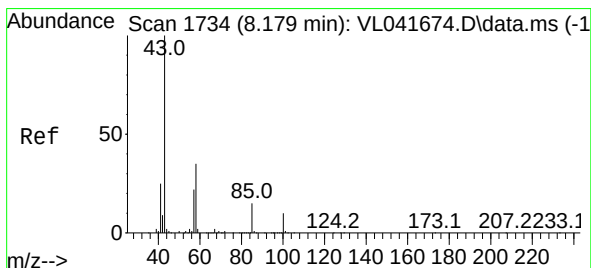
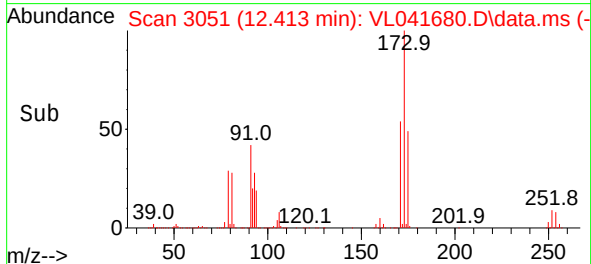
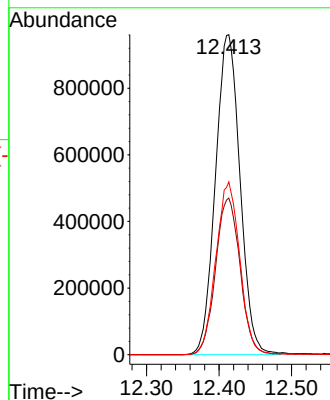
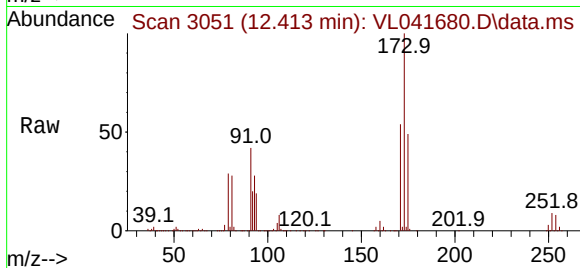
Tgt Ion:173 Resp: 2265132

Ion Ratio Lower Upper

173 100

175 49.1 39.2 58.8

171 52.8 41.7 62.5



#50

4-Methyl-2-Pentanone

Concen: 15.919 ppbv

RT: 8.182 min Scan# 1735

Delta R.T. 0.003 min

Lab File: VL041680.D

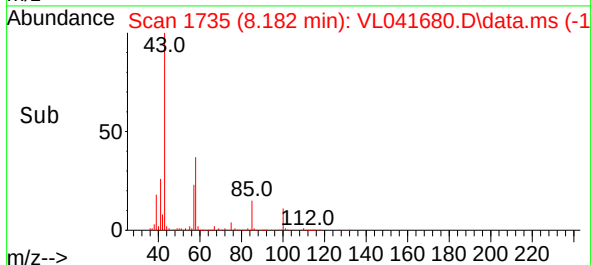
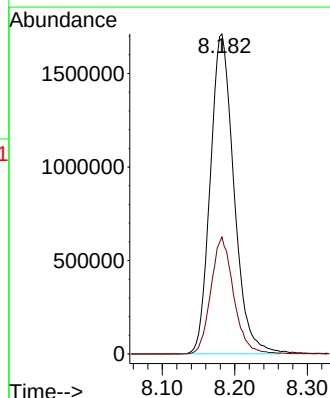
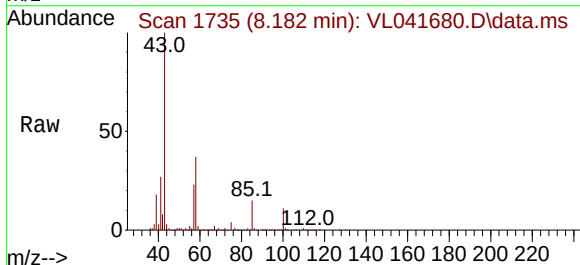
Acq: 7 Nov 2024 14:12

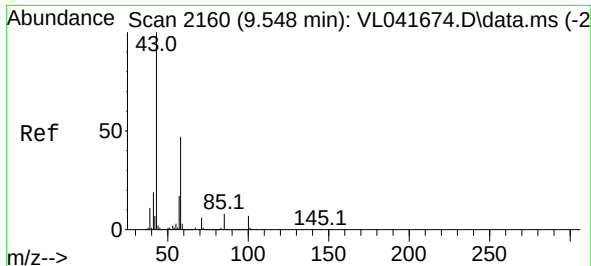
Tgt Ion: 43 Resp: 3873850

Ion Ratio Lower Upper

43 100

58 35.3 27.7 41.5

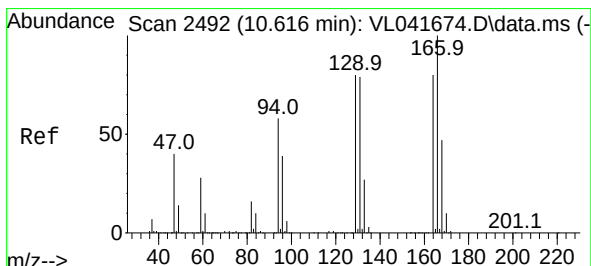
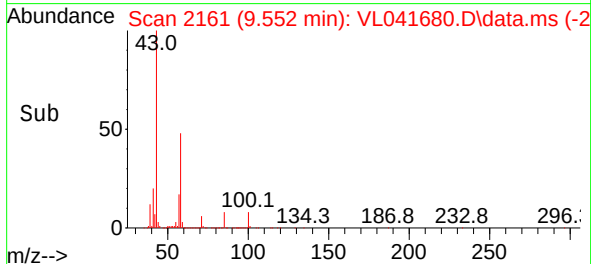
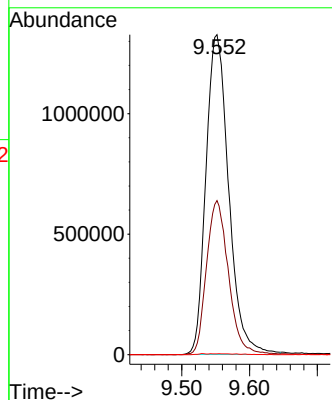
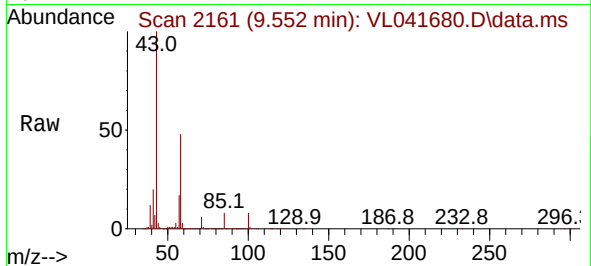




#51
2-Hexanone
Concen: 17.512 ppbv
RT: 9.552 min Scan# 2161
Delta R.T. 0.003 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

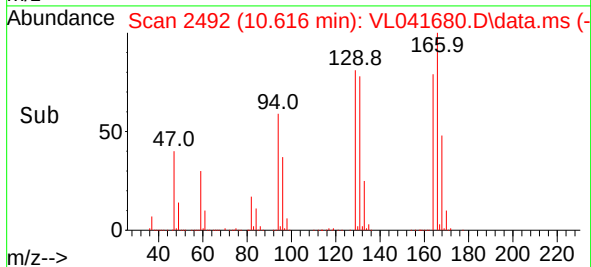
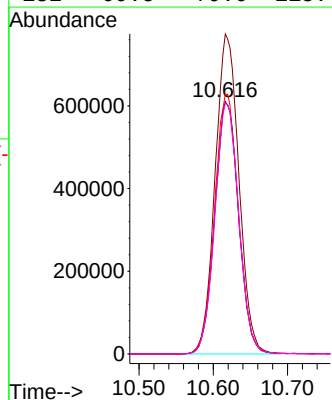
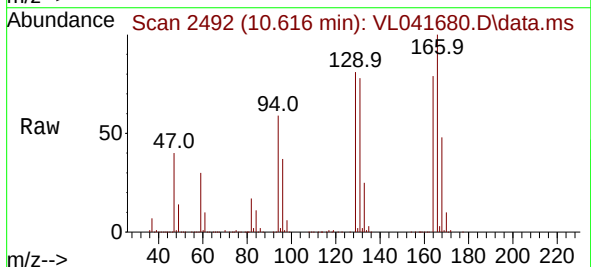
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

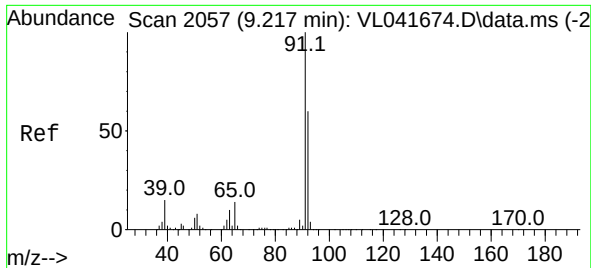
Tgt Ion: 43 Resp: 3096656
Ion Ratio Lower Upper
43 100
58 46.8 37.0 55.6
98 0.5 0.6 0.8#



#52
Tetrachloroethene
Concen: 16.900 ppbv
RT: 10.616 min Scan# 2492
Delta R.T. 0.000 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

Tgt Ion:164 Resp: 1362327
Ion Ratio Lower Upper
164 100
166 126.8 100.2 150.4
129 102.9 79.7 119.5
131 99.5 79.0 118.4

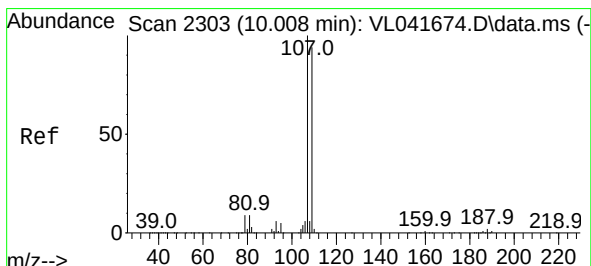
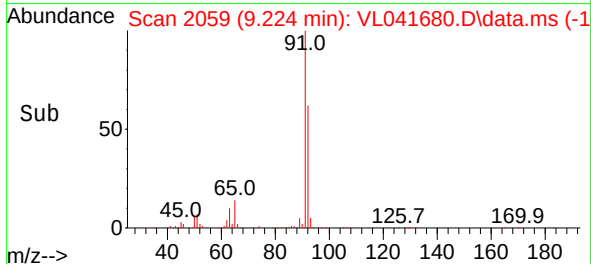
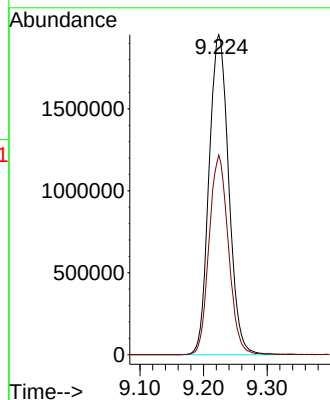
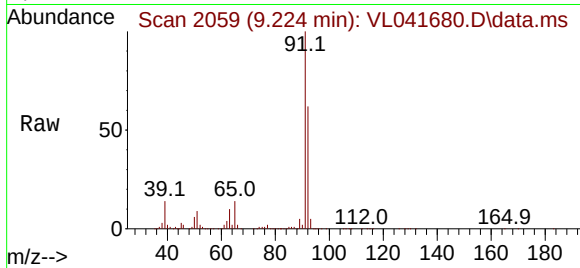




#53
Toluene
Concen: 16.909 ppbv
RT: 9.224 min Scan# 2057
Delta R.T. 0.007 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

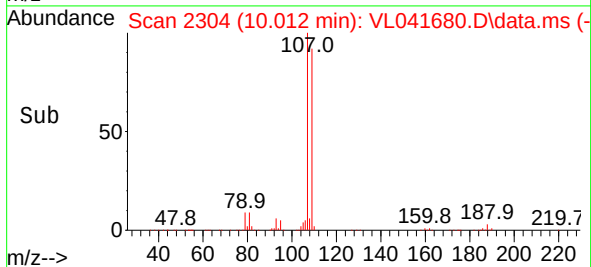
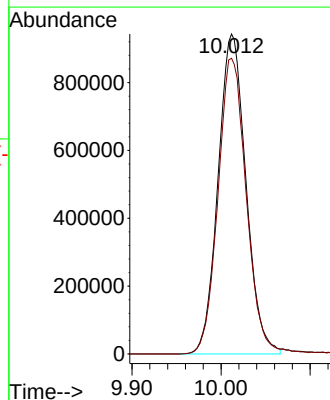
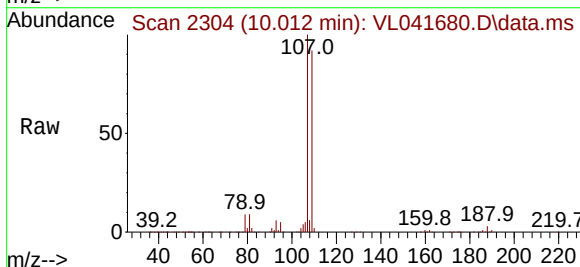
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

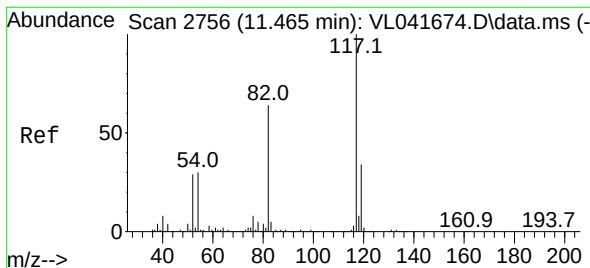
Tgt Ion: 91 Resp: 4192947
Ion Ratio Lower Upper
91 100
92 61.3 49.0 73.4



#54
1,2-Dibromoethane
Concen: 17.451 ppbv
RT: 10.012 min Scan# 2304
Delta R.T. 0.003 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

Tgt Ion:107 Resp: 2047188
Ion Ratio Lower Upper
107 100
109 92.4 74.9 112.3





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.468 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

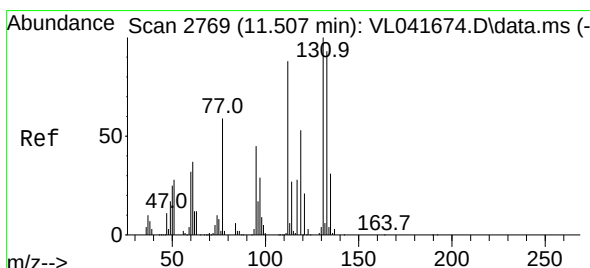
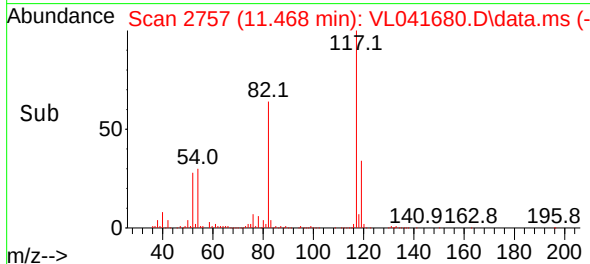
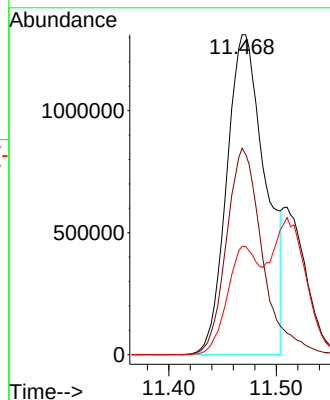
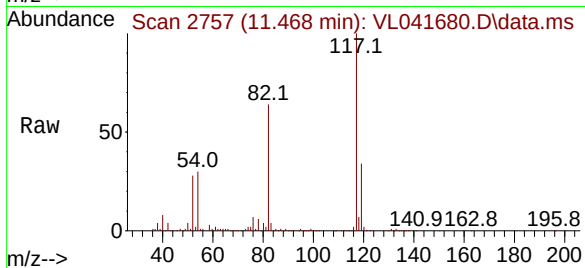
Tgt Ion:117 Resp: 3271350

Ion Ratio Lower Upper

117 100

82 60.9 49.8 74.8

119 30.7 24.2 36.4



#56

1,1,1,2-Tetrachloroethane

Concen: 13.588 ppbv

RT: 11.510 min Scan# 2770

Delta R.T. 0.003 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

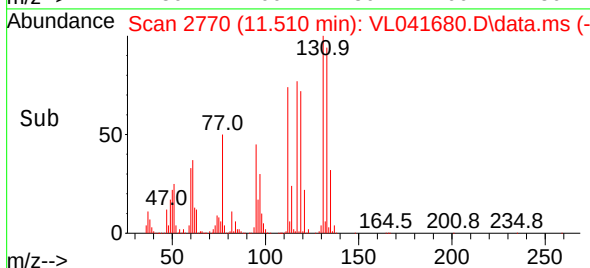
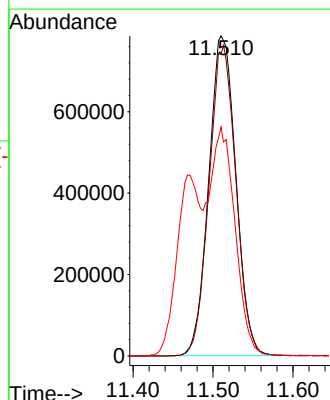
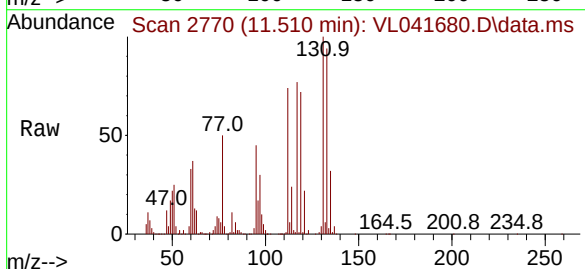
Tgt Ion:131 Resp: 1851127

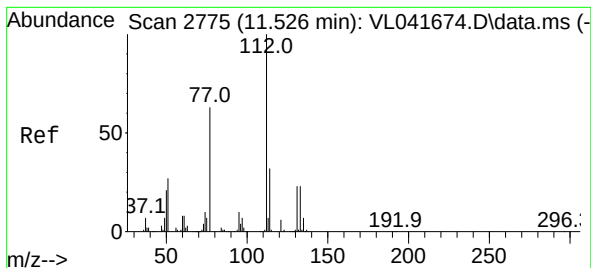
Ion Ratio Lower Upper

131 100

133 96.3 76.5 114.7

119 64.4 49.8 74.8

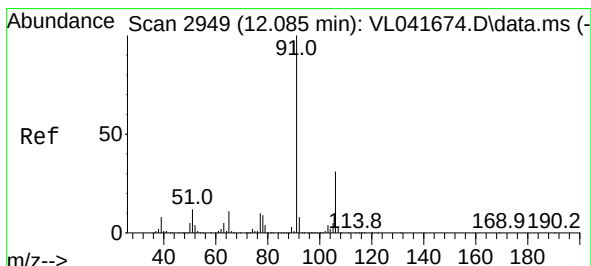
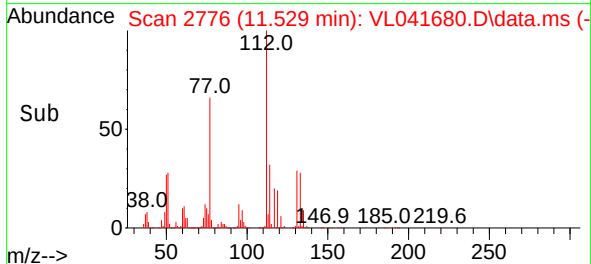
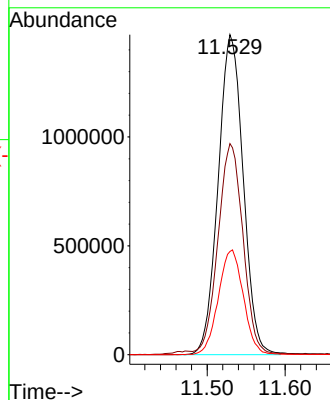
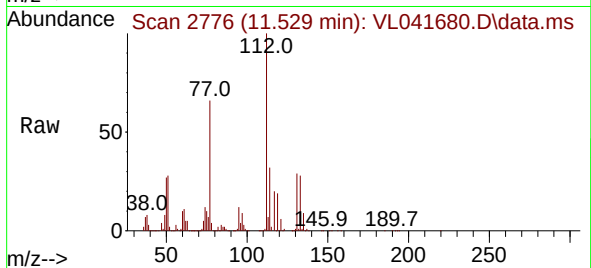




#57
Chlorobenzene
Concen: 13.453 ppbv
RT: 11.529 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

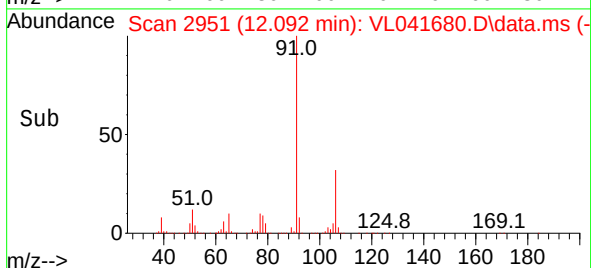
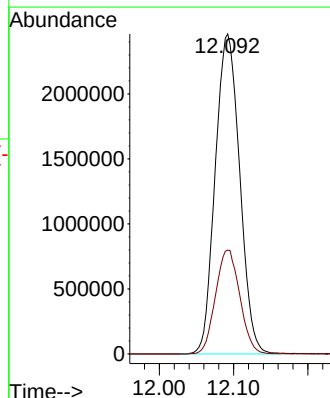
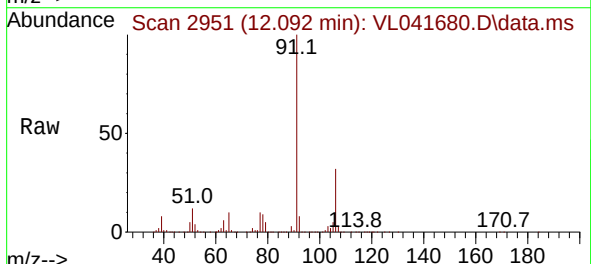
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

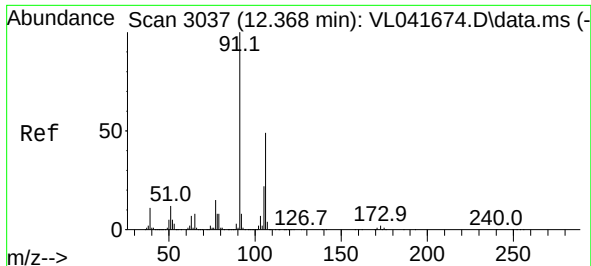
Tgt Ion:112 Resp: 3280487
Ion Ratio Lower Upper
112 100
77 65.6 51.4 77.2
114 32.2 28.4 34.8



#58
Ethyl Benzene
Concen: 15.550 ppbv
RT: 12.092 min Scan# 2951
Delta R.T. 0.007 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

Tgt Ion: 91 Resp: 5635176
Ion Ratio Lower Upper
91 100
106 32.5 24.9 37.3





#59

m/p-Xylene

Concen: 16.857 ppbv

RT: 12.372 min Scan# 3037

Delta R.T. 0.003 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

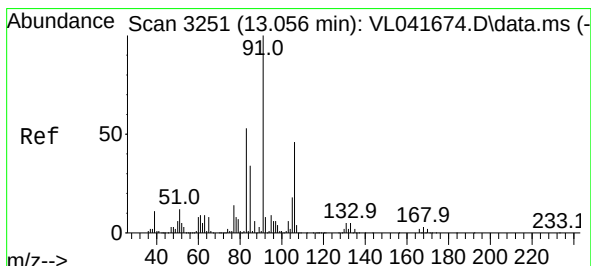
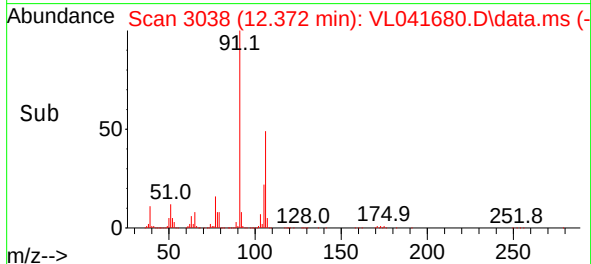
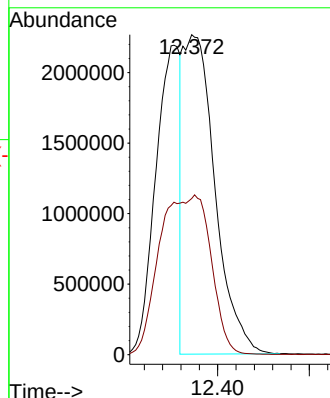
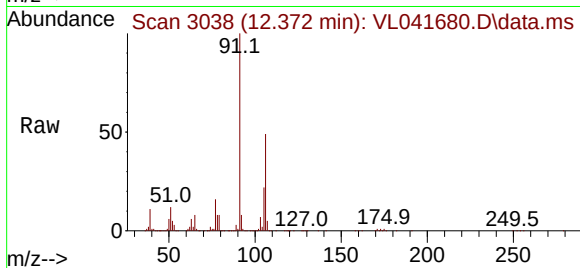
VSTDIC015

Tgt Ion: 91 Resp: 5464666

Ion Ratio Lower Upper

91 100

106 80.8 36.9 55.3#



#60

o-Xylene

Concen: 14.859 ppbv

RT: 13.063 min Scan# 3253

Delta R.T. 0.007 min

Lab File: VL041680.D

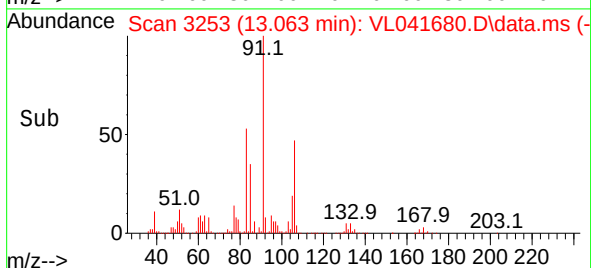
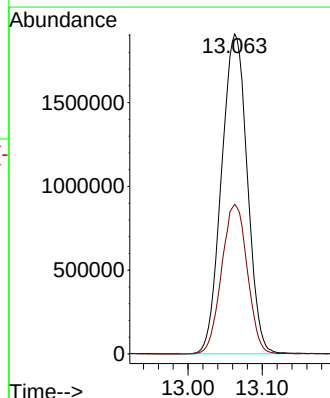
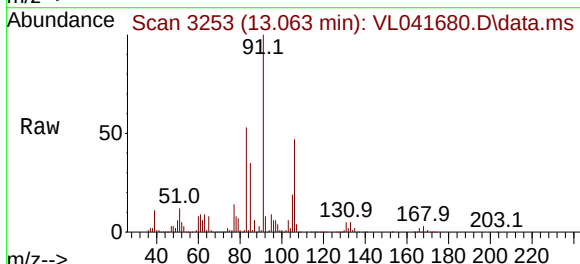
Acq: 7 Nov 2024 14:12

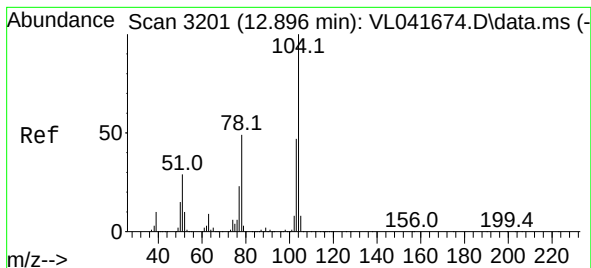
Tgt Ion: 91 Resp: 4598783

Ion Ratio Lower Upper

91 100

106 46.7 23.2 69.6





#61

Styrene

Concen: 18.233 ppbv

RT: 12.902 min Scan# 31

Delta R.T. 0.007 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

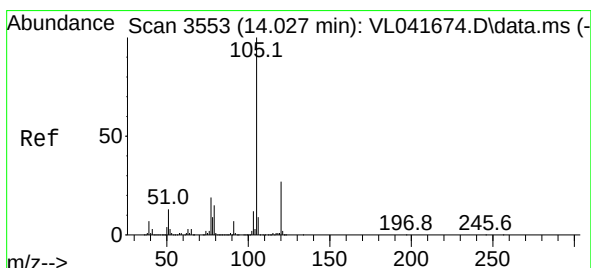
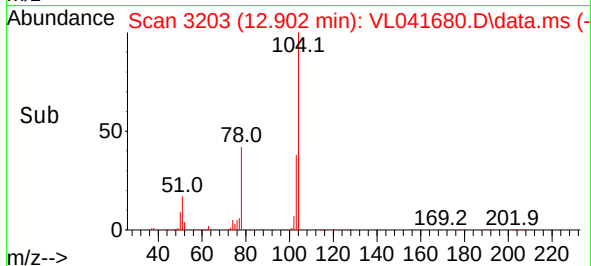
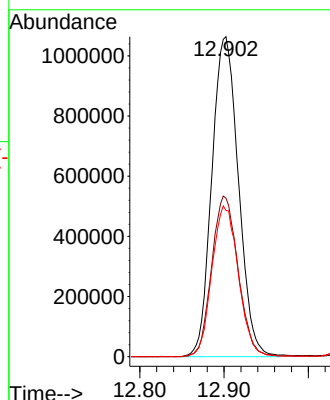
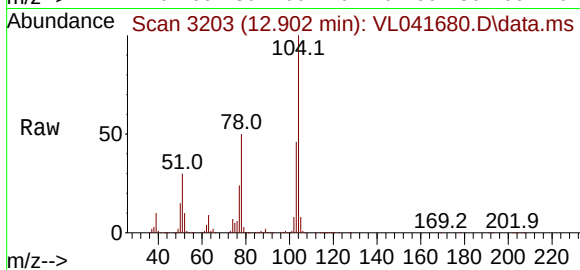
Tgt Ion:104 Resp: 2329096

Ion Ratio Lower Upper

104 100

78 50.0 39.8 59.8

103 47.1 37.4 56.0



#62

Isopropylbenzene

Concen: 14.169 ppbv

RT: 14.031 min Scan# 3554

Delta R.T. 0.003 min

Lab File: VL041680.D

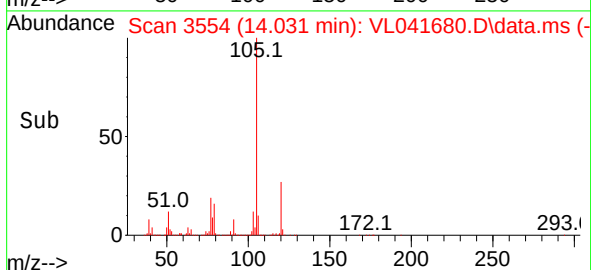
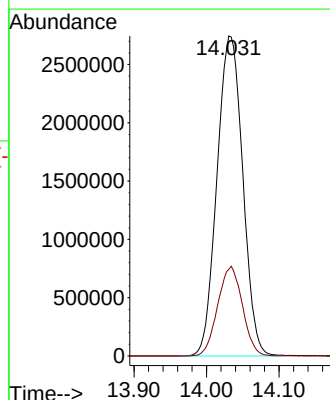
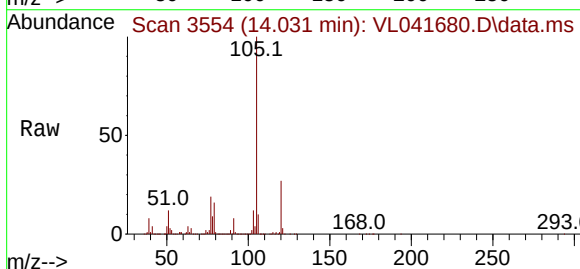
Acq: 7 Nov 2024 14:12

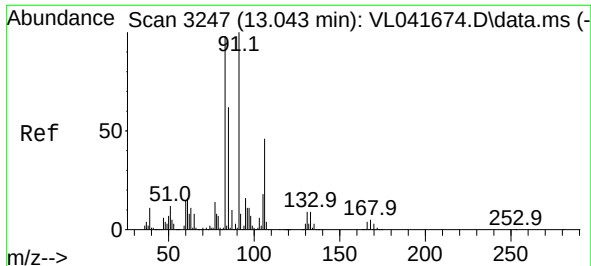
Tgt Ion:105 Resp: 6769619

Ion Ratio Lower Upper

105 100

120 26.9 21.1 31.7





#63

1,1,2,2-Tetrachloroethane

Concen: 14.277 ppbv

RT: 13.050 min Scan# 31

Delta R.T. 0.007 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Instrument :

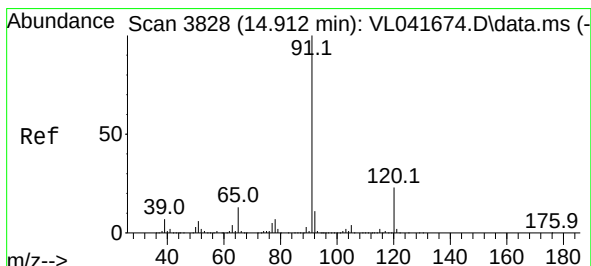
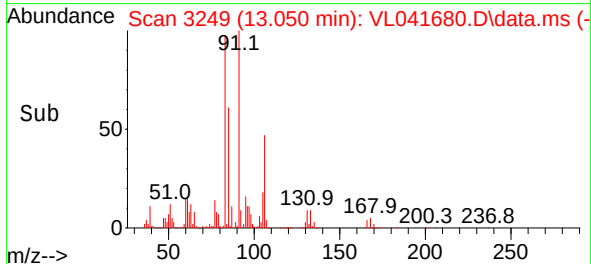
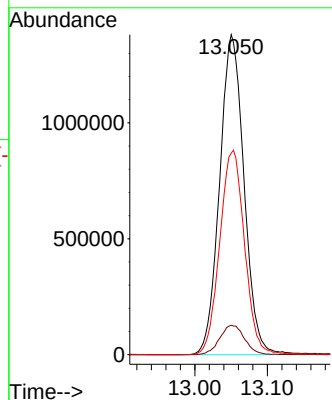
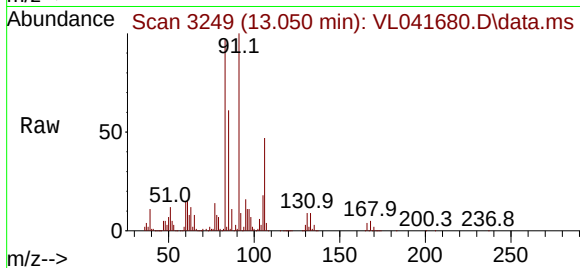
MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 83 Resp: 3217179

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.8	14.3
85	65.5	32.6	98.0



#64

n-propylbenzene

Concen: 15.010 ppbv

RT: 14.918 min Scan# 3830

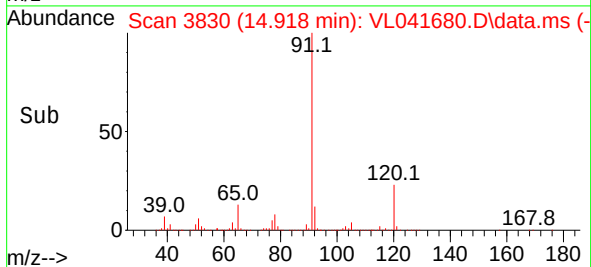
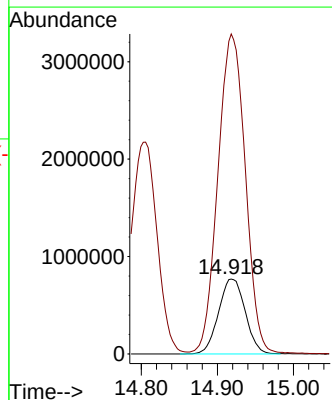
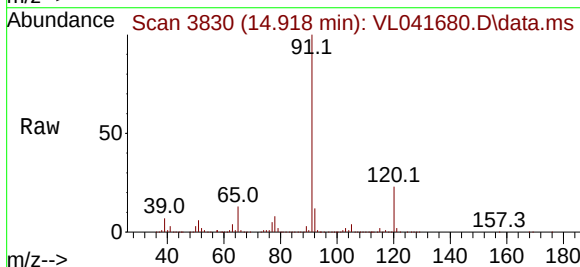
Delta R.T. 0.007 min

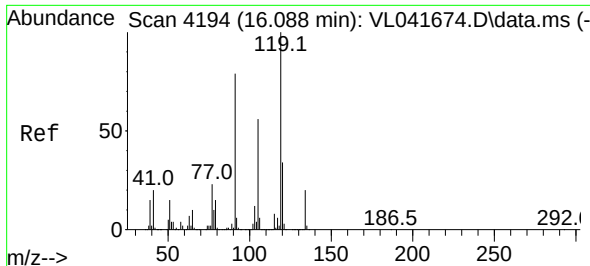
Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Tgt Ion:120 Resp: 1875181

Ion	Ratio	Lower	Upper
120	100		
91	441.1	362.4	543.6





#65

tert-Butylbenzene

Concen: 14.149 ppbv

RT: 16.095 min Scan# 41

Delta R.T. 0.007 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

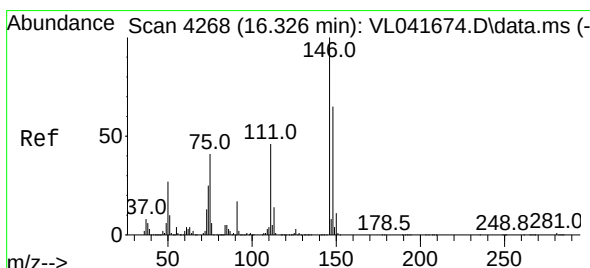
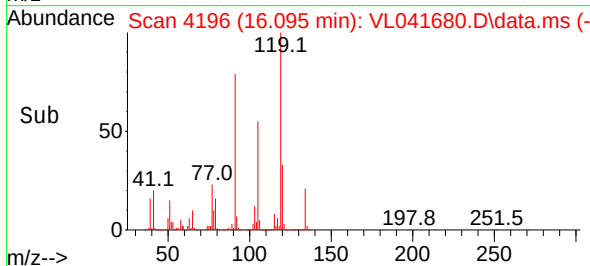
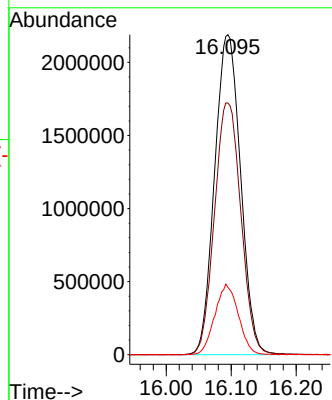
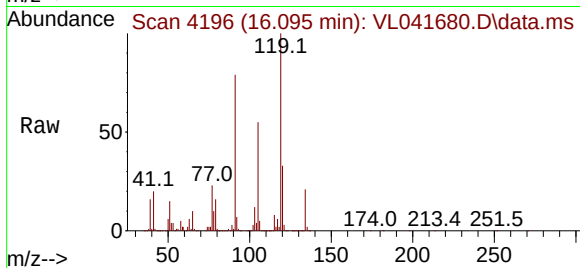
Tgt Ion:119 Resp: 6075642

Ion Ratio Lower Upper

119 100

91 80.2 64.3 96.5

134 20.0 15.8 23.8



#66

Benzyl Chloride

Concen: 19.466 ppbv

RT: 16.333 min Scan# 4270

Delta R.T. 0.007 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

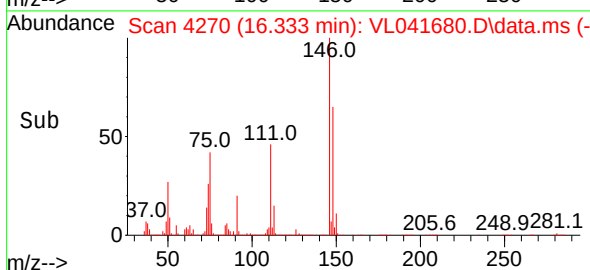
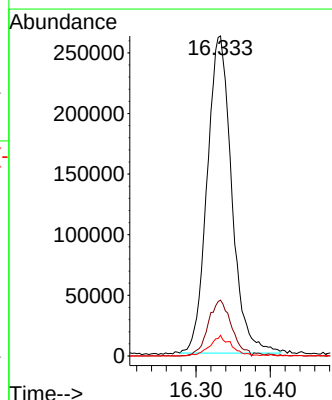
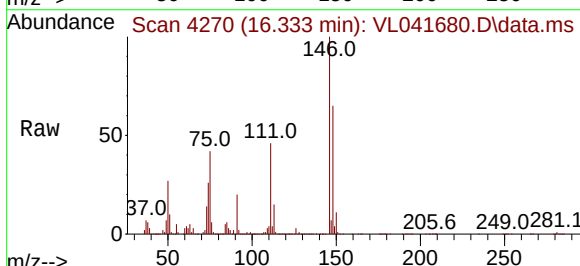
Tgt Ion: 91 Resp: 602019

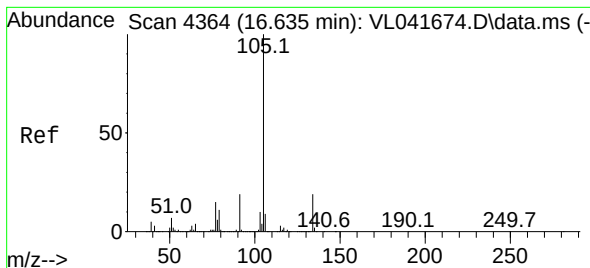
Ion Ratio Lower Upper

91 100

126 17.3 13.8 20.6

128 5.8 4.3 6.5





#67

sec-Butylbenzene

Concen: 14.008 ppbv

RT: 16.638 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

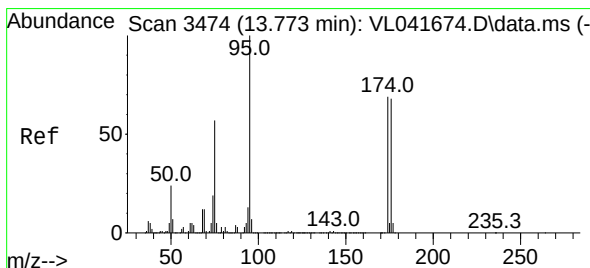
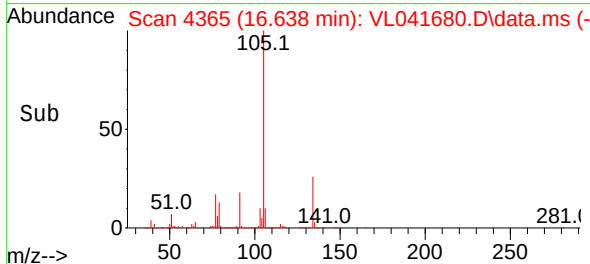
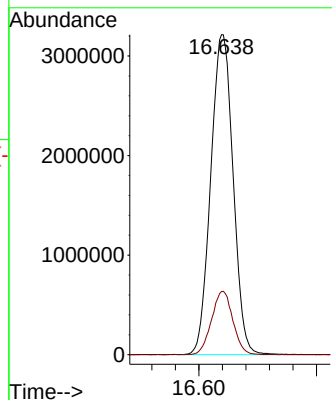
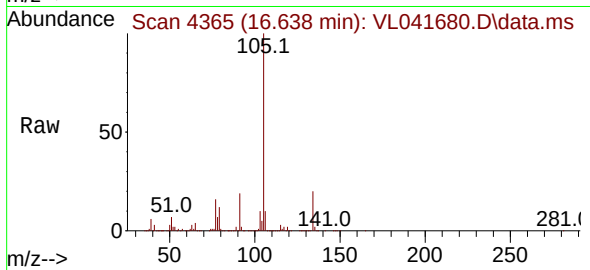
VSTDIC015

Tgt Ion:105 Resp: 8477471

Ion Ratio Lower Upper

105 100

134 18.9 14.6 22.0



#68

1-Bromo-4-Fluorobenzene

Concen: 9.746 ppbv

RT: 13.780 min Scan# 3476

Delta R.T. 0.007 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

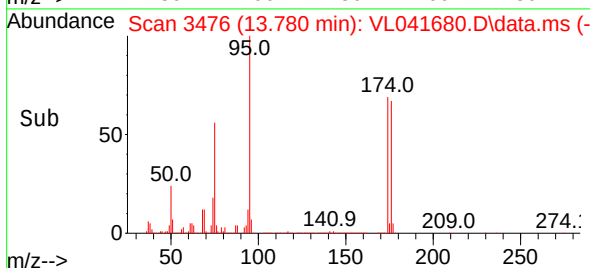
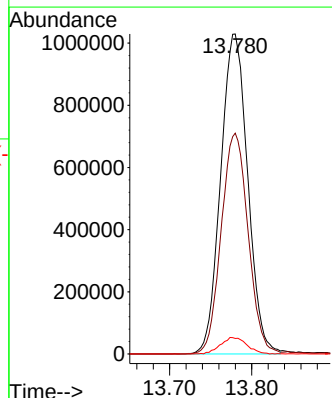
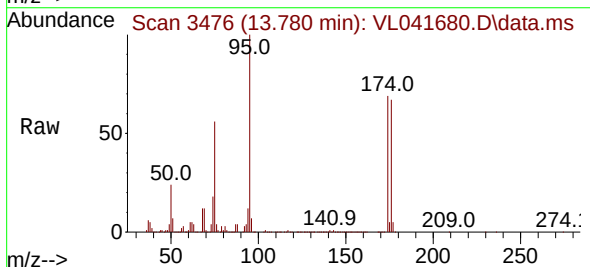
Tgt Ion: 95 Resp: 2357958

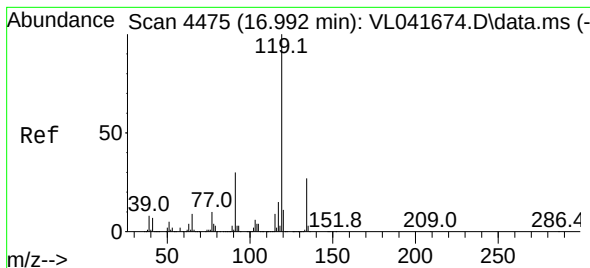
Ion Ratio Lower Upper

95 100

174 69.5 55.6 83.4

175 5.1 4.2 6.2





#69

p-Isopropyltoluene

Concen: 14.562 ppbv

RT: 16.999 min Scan# 4477

Delta R.T. 0.007 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

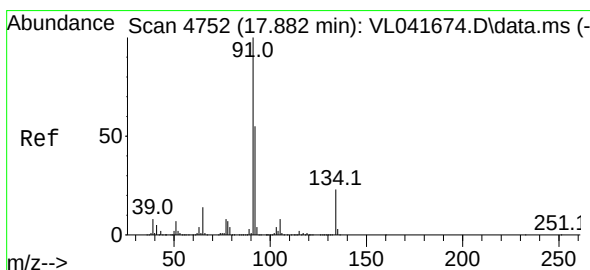
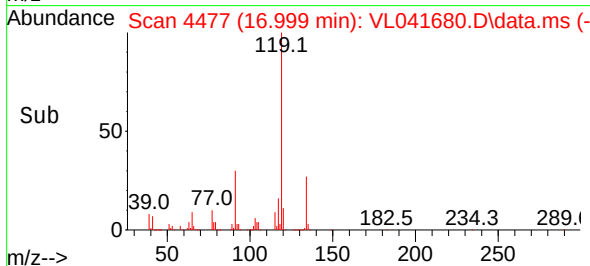
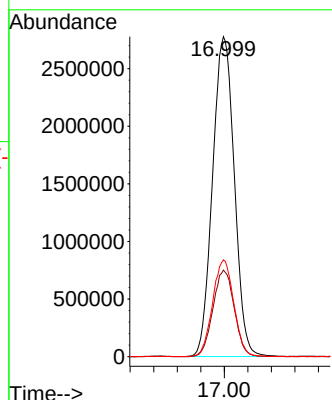
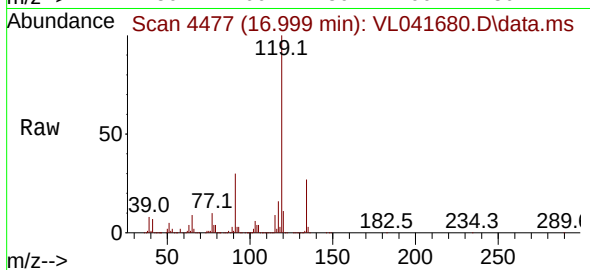
Tgt Ion:119 Resp: 7127872

Ion Ratio Lower Upper

119 100

134 26.5 20.8 31.2

91 29.4 23.2 34.8



#70

n-Butylbenzene

Concen: 14.625 ppbv

RT: 17.889 min Scan# 4754

Delta R.T. 0.007 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

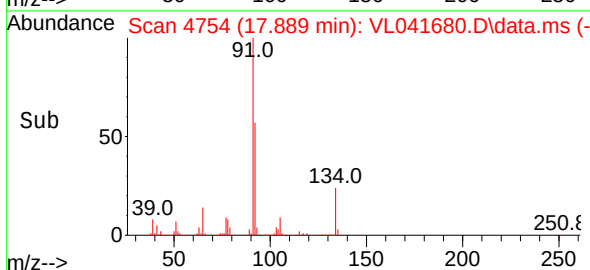
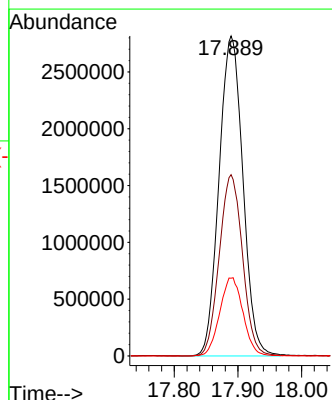
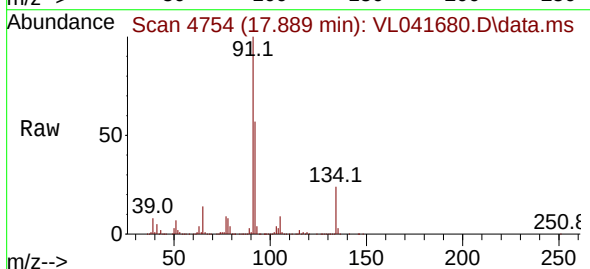
Tgt Ion: 91 Resp: 7337569

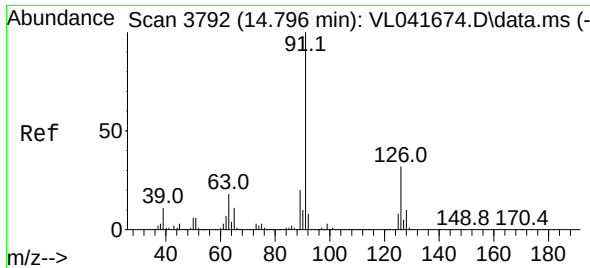
Ion Ratio Lower Upper

91 100

92 55.3 43.3 64.9

134 24.0 18.4 27.6

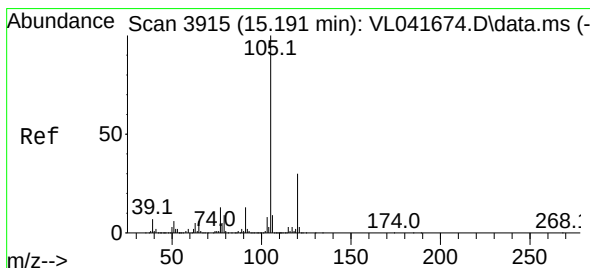
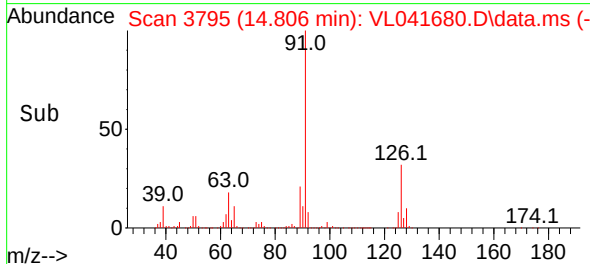
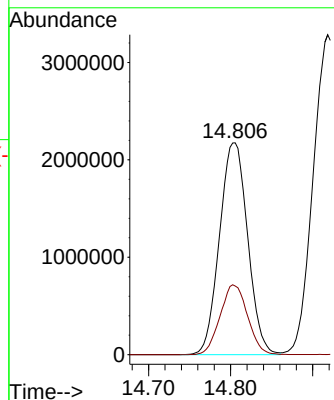
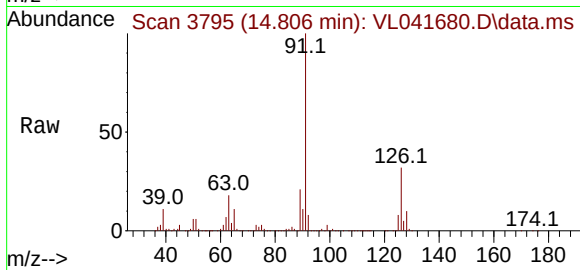




#71
2-Chlorotoluene
Concen: 15.038 ppbv
RT: 14.806 min Scan# 31
Delta R.T. 0.010 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

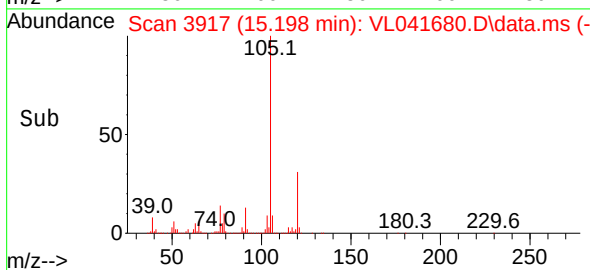
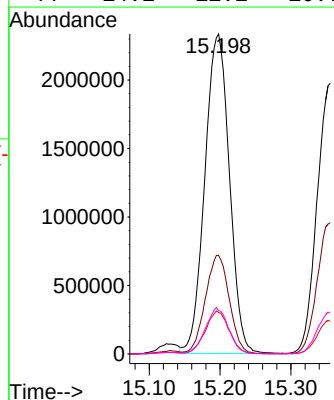
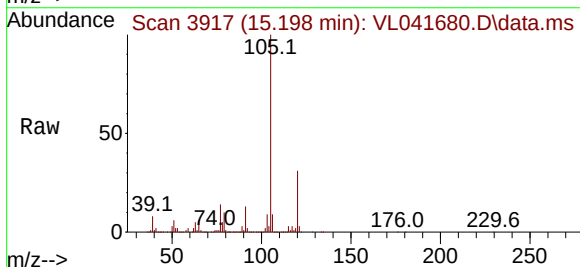
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC015

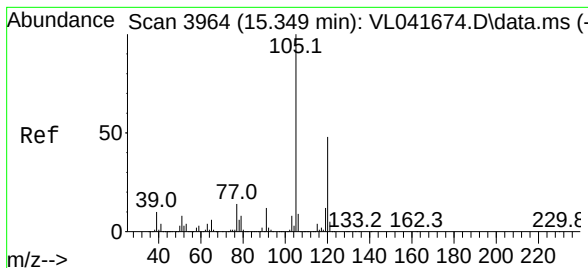
Tgt Ion: 91 Resp: 5195848
Ion Ratio Lower Upper
91 100
126 32.2 12.8 51.0



#72
4-Ethyltoluene
Concen: 15.652 ppbv
RT: 15.198 min Scan# 3917
Delta R.T. 0.007 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

Tgt Ion:105 Resp: 5625512
Ion Ratio Lower Upper
105 100
120 31.0 25.0 37.4
91 13.7 10.6 15.8
77 14.1 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 15.144 ppbv

RT: 15.355 min Scan# 3966

Delta R.T. 0.007 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

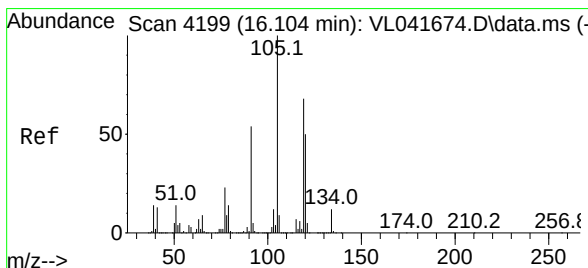
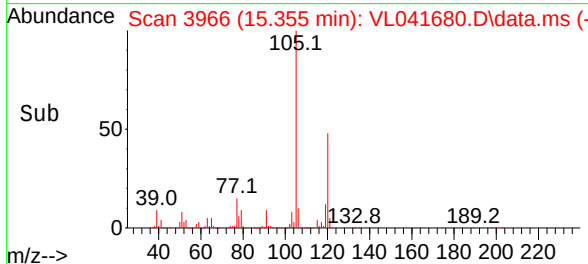
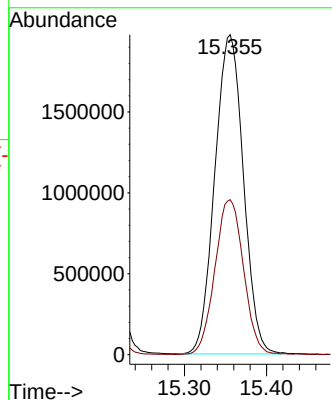
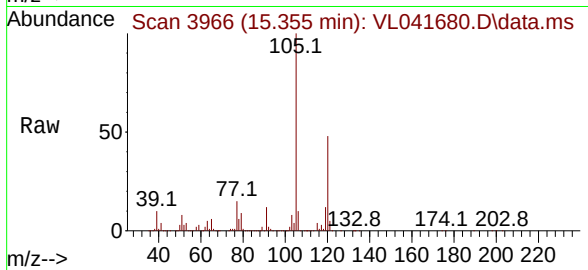
VSTDIC015

Tgt Ion:105 Resp: 4772611

Ion Ratio Lower Upper

105 100

120 48.5 38.4 57.6



#74

1,2,4-Trimethylbenzene

Concen: 14.183 ppbv

RT: 16.114 min Scan# 4202

Delta R.T. 0.010 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Tgt Ion:105 Resp: 5199497

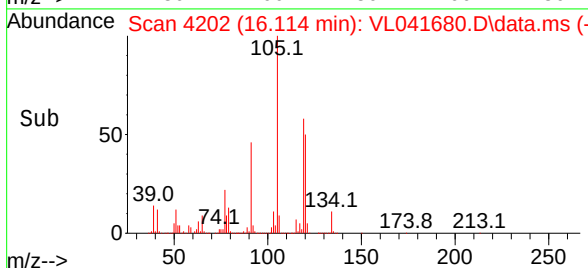
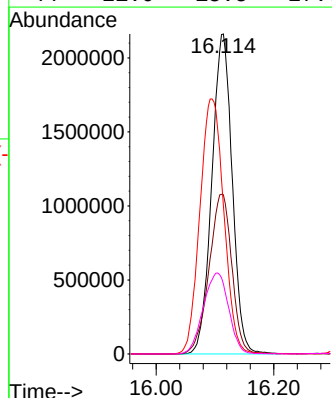
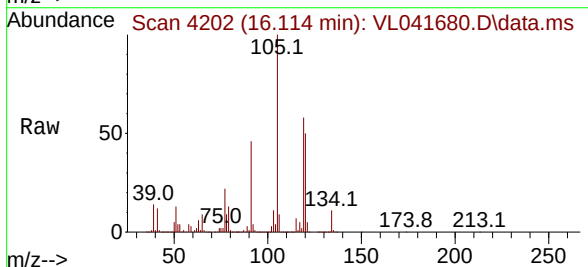
Ion Ratio Lower Upper

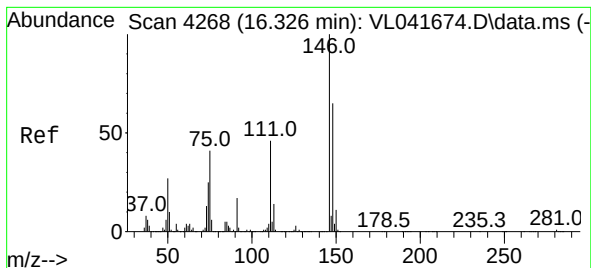
105 100

120 49.7 39.8 59.8

91 46.3 43.2 64.8

77 21.9 18.5 27.7





#75

1,3-Dichlorobenzene

Concen: 14.559 ppbv

RT: 16.336 min Scan# 4268

Delta R.T. 0.010 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

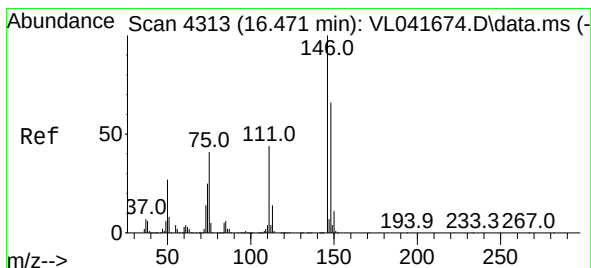
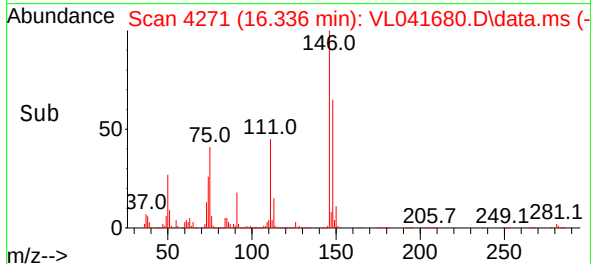
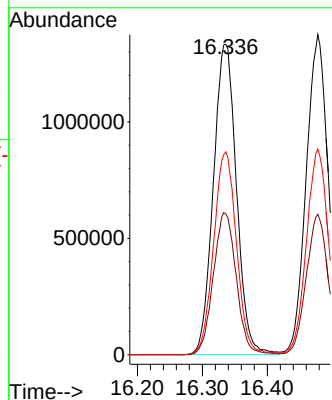
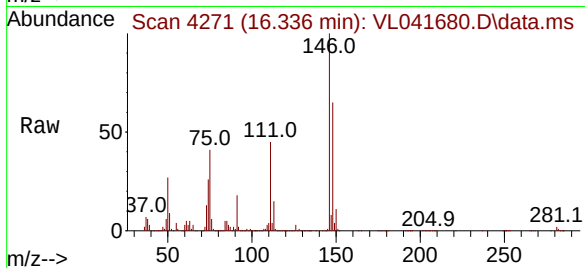
Tgt Ion:146 Resp: 3296952

Ion Ratio Lower Upper

146 100

111 45.3 22.8 68.3

148 64.7 32.4 97.0



#76

1,4-Dichlorobenzene

Concen: 14.402 ppbv

RT: 16.478 min Scan# 4315

Delta R.T. 0.007 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

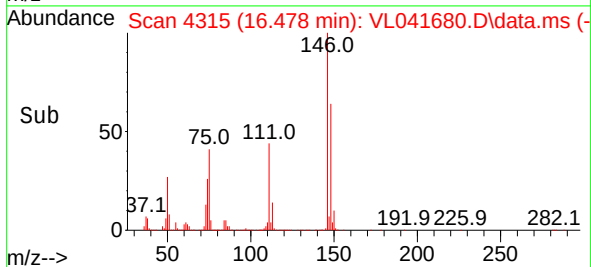
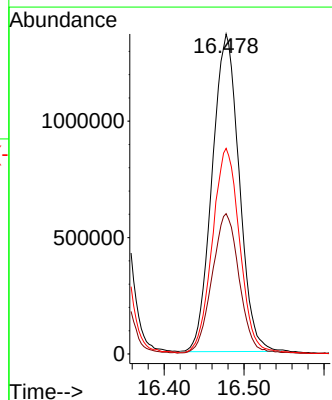
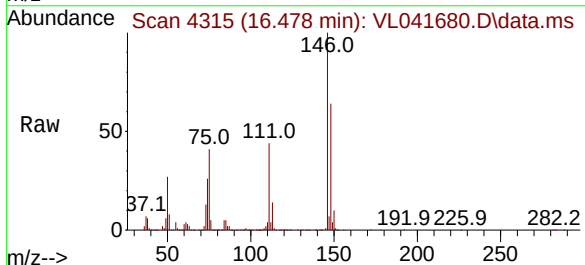
Tgt Ion:146 Resp: 3204404

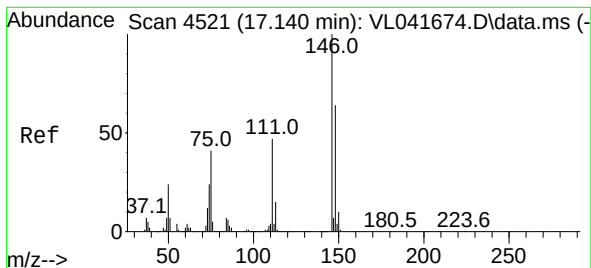
Ion Ratio Lower Upper

146 100

111 44.5 22.1 66.3

148 66.2 33.3 99.8





#77

1,2-Dichlorobenzene

Concen: 14.336 ppbv

RT: 17.150 min Scan# 4521

Delta R.T. 0.010 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

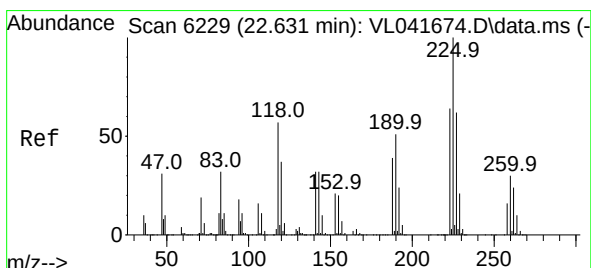
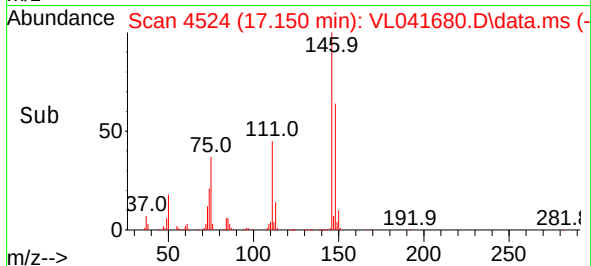
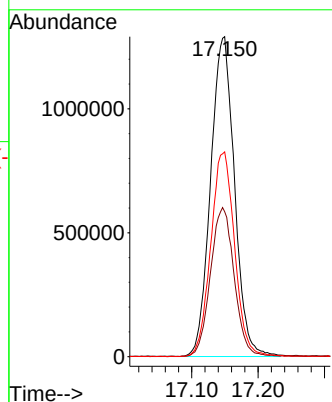
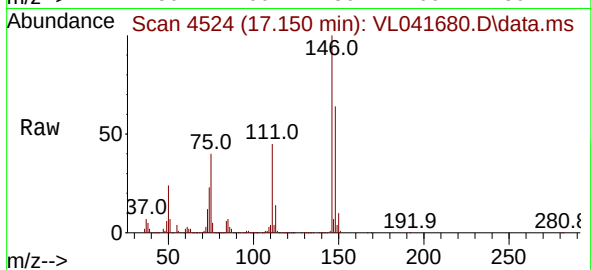
Tgt Ion:146 Resp: 3223835

Ion Ratio Lower Upper

146 100

111 46.5 23.4 70.3

148 64.0 32.1 96.5



#78

Hexachloro-1,3-Butadiene

Concen: 12.158 ppbv

RT: 22.638 min Scan# 6231

Delta R.T. 0.007 min

Lab File: VL041680.D

Acq: 7 Nov 2024 14:12

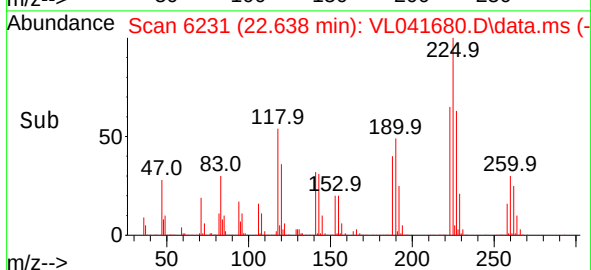
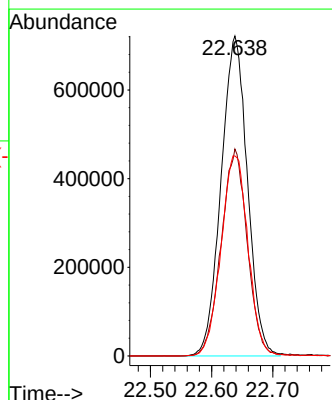
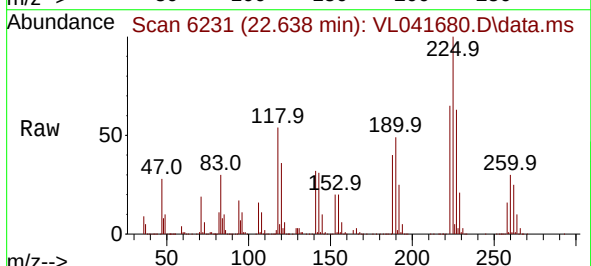
Tgt Ion:225 Resp: 2162938

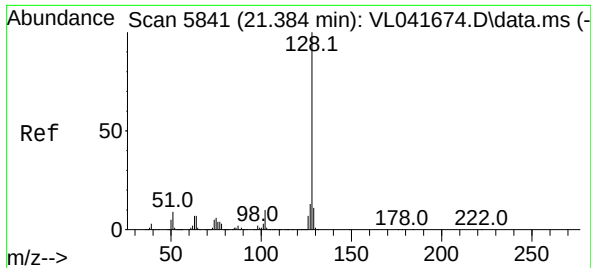
Ion Ratio Lower Upper

225 100

223 64.3 51.1 76.7

227 64.5 51.3 76.9

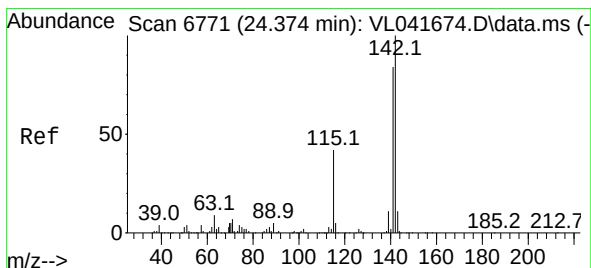
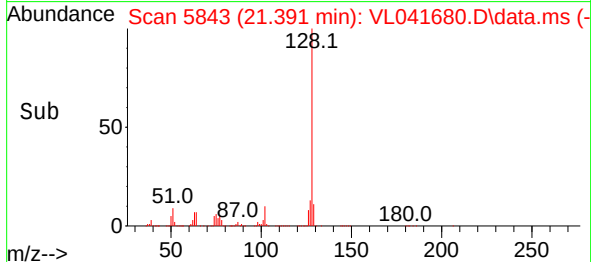
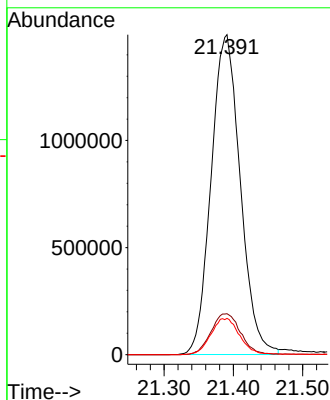
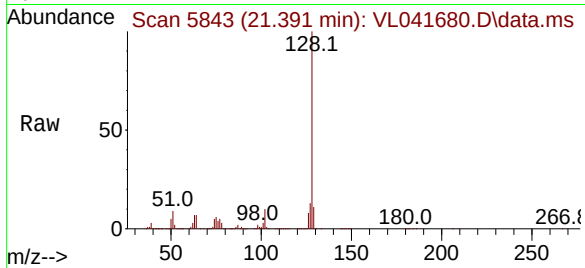




#79
Naphthalene
Concen: 19.355 ppbv
RT: 21.391 min Scan# 5843
Delta R.T. 0.007 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

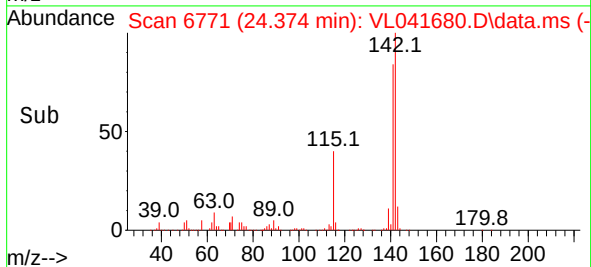
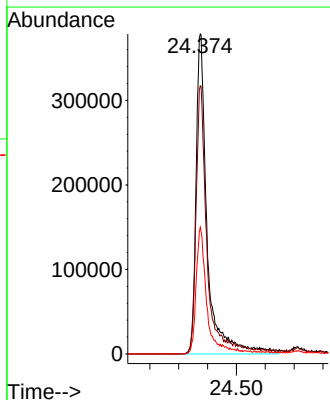
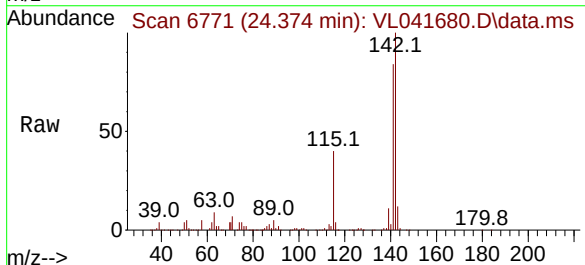
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

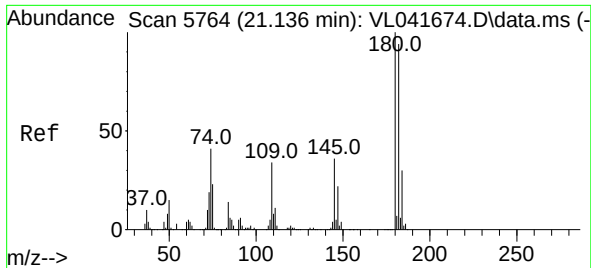
Tgt Ion:128 Resp: 4363777
Ion Ratio Lower Upper
128 100
127 12.8 10.5 15.7
129 11.4 8.7 13.1



#80
Naphthalene,2-methyl-
Concen: 24.444 ppbv
RT: 24.374 min Scan# 6771
Delta R.T. 0.000 min
Lab File: VL041680.D
Acq: 7 Nov 2024 14:12

Tgt Ion:142 Resp: 1022470
Ion Ratio Lower Upper
142 100
141 83.8 68.1 102.1
115 37.4 33.1 49.7





#81

1,2,4-Trichlorobenzene

Concen: 15.962 ppbv

RT: 21.146 min Scan# 5

Delta R.T. 0.010 min

Lab File: VL041680.D

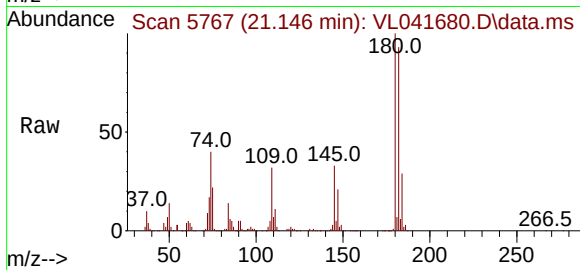
Acq: 7 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015



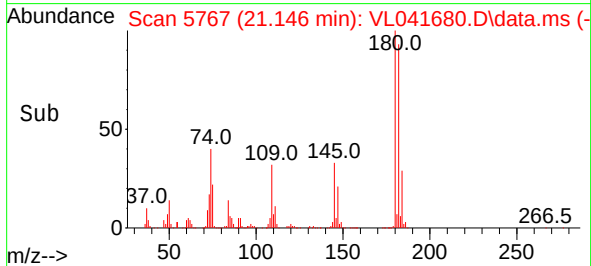
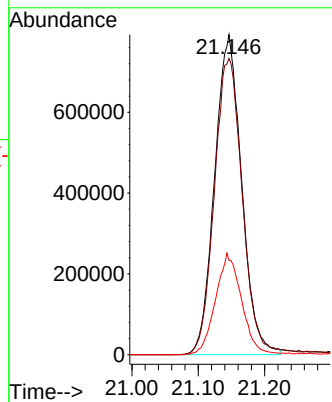
Tgt Ion:180 Resp: 2238509

Ion Ratio Lower Upper

180 100

182 98.0 78.2 117.2

184 30.9 25.0 37.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
 Data File : VL041681.D
 Acq On : 7 Nov 2024 14:51
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICSVVL110724

Quant Time: Nov 08 01:08:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Nov 08 01:01:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	1219218	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	3384840	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	3891746	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.780	95	2384630	8.316	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.200%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.732	85	1794893	8.145	ppbv	100
3) Chlorodifluoromethane	2.677	51	1429744	9.000	ppbv	99
4) Chloromethane	2.816	50	787537	9.359	ppbv	97
5) Vinyl Chloride	2.922	62	774506	10.232	ppbv	98
6) Bromomethane	3.121	94	379427	9.449	ppbv	98
7) Chloroethane	3.198	64	265929	9.626	ppbv	99
8) Dichlorotetrafluoroethane	2.861	85	1752691	8.910	ppbv	100
9) Propene	2.697	41	684685	9.892	ppbv	100
10) Heptane	7.581	43	1623259	10.465	ppbv	100
11) Trichlorofluoromethane	3.562	101	1715400	8.937	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.066	101	1286962	9.225	ppbv	100
13) Ethanol	3.253	45	9194	2.169	ppbv #	40
14) Bromoethene	3.369	108	547085	9.755	ppbv	97
15) Acetone	3.468	43	1307631	8.715	ppbv	98
16) 1,3-Butadiene	2.986	39	762546	10.072	ppbv	98
17) tert-Butyl alcohol	3.877	59	1421835	10.798	ppbv	99
18) 1,1-Dichloroethene	3.880	96	589373	9.632	ppbv	95
19) Isopropyl Alcohol	3.578	45	762103	10.626	ppbv #	97
20) Methylene Chloride	3.934	84	490767	8.888	ppbv	98
21) Allyl Chloride	3.996	41	952403	10.272	ppbv	99
22) trans-1,2-Dichloroethene	4.446	96	602606	9.905	ppbv	100
23) Vinyl Acetate	4.629	43	659846	9.976	ppbv #	95
24) 1,1-Dichloroethane	4.565	63	1246280	9.177	ppbv	98
25) Ethyl Acetate	5.205	43	3059483	9.850	ppbv	100
26) Hexane	5.214	57	1221365	10.235	ppbv	97
27) Carbon Disulfide	4.124	76	1427544	10.648	ppbv	98
28) Methyl tert-Butyl Ether	4.587	73	764924	9.954	ppbv	99
29) Chloroform	5.275	83	1805559	9.167	ppbv	100
30) Cyclohexane	6.603	84	1036810	10.204	ppbv	99
31) cis-1,2-Dichloroethene	5.079	61	1190854	10.374	ppbv	100
32) 1,1,1-Trichloroethane	6.002	97	1797279	10.002	ppbv	100
34) 2-Butanone	4.787	43	1751089	10.390	ppbv	100
35) Carbon Tetrachloride	6.494	117	1829420	10.244	ppbv	100
36) Benzene	6.368	78	2560057	10.208	ppbv	99
37) 1,2-Dichloroethane	5.809	62	1376089	9.726	ppbv	99
38) Trichloroethene	7.291	130	1018788	10.577	ppbv	99
39) 1,2-Dichloropropane	7.073	63	983477	9.923	ppbv	96
40) 1,4-Dioxane	7.288	88	376201	10.579	ppbv #	1
41) Tetrahydrofuran	5.555	42	1065202	11.067	ppbv	99
42) Bromodichloromethane	7.253	83	1966589	10.002	ppbv	100
43) Methyl Methacrylate	7.475	69	1010315	11.473	ppbv	99
44) 2,2,4-Trimethylpentane	7.327	57	4253439	10.012	ppbv	99
45) t-1,3-Dichloropropene	8.712	75	979763	12.176	ppbv	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
 Data File : VL041681.D
 Acq On : 7 Nov 2024 14:51
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL110724

Quant Time: Nov 08 01:08:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Nov 08 01:01:00 2024
 Response via : Initial Calibration

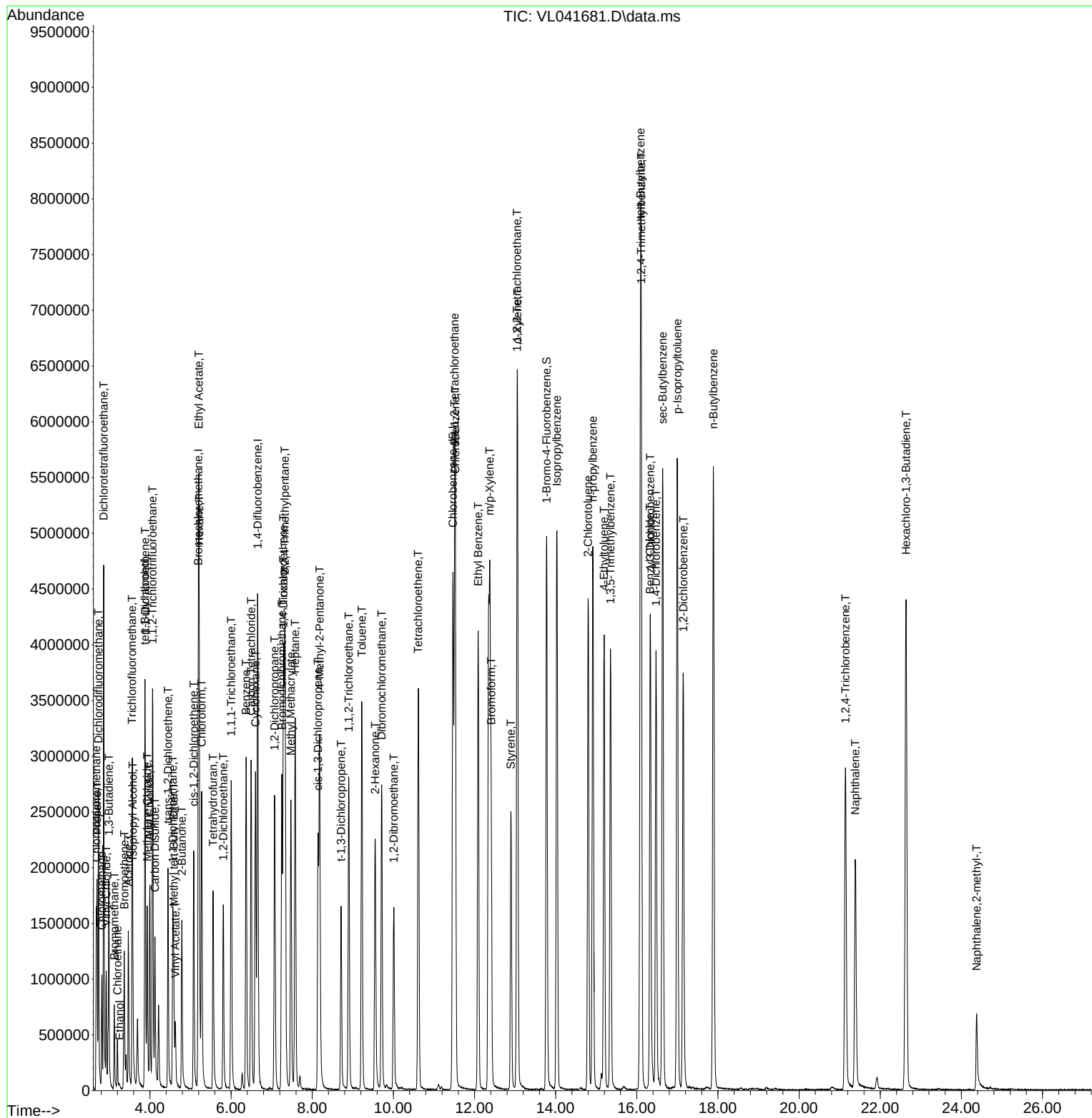
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.143	75	1335370	11.555	ppbv	99
47) 1,1,2-Trichloroethane	8.899	97	1027960	9.583	ppbv	99
48) Dibromochloromethane	9.712	129	1697504	10.410	ppbv	100
49) Bromoform	12.410	173	1467565	10.519	ppbv	99
50) 4-Methyl-2-Pentanone	8.182	43	2720056	10.513	ppbv	99
51) 2-Hexanone	9.552	43	2131991	11.315	ppbv #	98
52) Tetrachloroethene	10.613	164	931693	10.901	ppbv	97
53) Toluene	9.220	91	2900278	10.997	ppbv	99
54) 1,2-Dibromoethane	10.011	107	1383939	11.043	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.510	131	1248422	7.778	ppbv	99
57) Chlorobenzene	11.529	112	2237120	7.772	ppbv	100
58) Ethyl Benzene	12.092	91	3855683	9.037	ppbv	99
59) m/p-Xylene	12.375	91	4090254	10.705	ppbv #	60
60) o-Xylene	13.060	91	3103973	8.520	ppbv	100
61) Styrene	12.896	104	1535856	10.214	ppbv	100
62) Isopropylbenzene	14.031	105	4605291	8.185	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.050	83	2141628	7.991	ppbv	100
64) n-propylbenzene	14.918	120	1242370	8.434	ppbv	100
65) tert-Butylbenzene	16.092	119	4128160	8.163	ppbv	100
66) Benzyl Chloride	16.326	91	333479	8.572	ppbv	99
67) sec-Butylbenzene	16.638	105	5771671	8.097	ppbv	100
69) p-Isopropyltoluene	16.998	119	4841188	8.401	ppbv	100
70) n-Butylbenzene	17.889	91	4961330	8.415	ppbv	99
71) 2-Chlorotoluene	14.799	91	3477879	8.551	ppbv	100
72) 4-Ethyltoluene	15.194	105	3765544	8.890	ppbv	99
73) 1,3,5-Trimethylbenzene	15.352	105	3164645	8.514	ppbv	99
74) 1,2,4-Trimethylbenzene	16.111	105	3509579	8.129	ppbv	95
75) 1,3-Dichlorobenzene	16.333	146	2153016	8.052	ppbv	99
76) 1,4-Dichlorobenzene	16.474	146	2087766	8.093	ppbv	99
77) 1,2-Dichlorobenzene	17.146	146	2076942	7.841	ppbv #	70
78) Hexachloro-1,3-Butadiene	22.635	225	1380777	6.591	ppbv	100
79) Naphthalene	21.384	128	2753473	10.332	ppbv	99
80) Naphthalene,2-methyl-	24.374	142	582436	10.026	ppbv	93
81) 1,2,4-Trichlorobenzene	21.143	180	1413820	8.436	ppbv	100

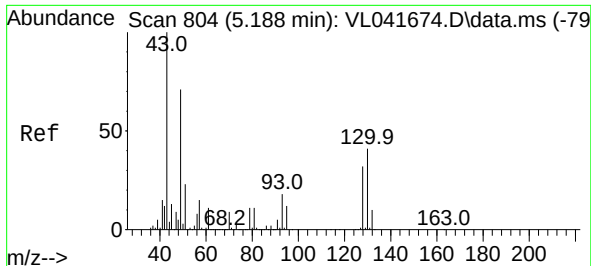
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
 Data File : VL041681.D
 Acq On : 7 Nov 2024 14:51
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL110724

Quant Time: Nov 08 01:08:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Nov 08 01:01:00 2024
 Response via : Initial Calibration

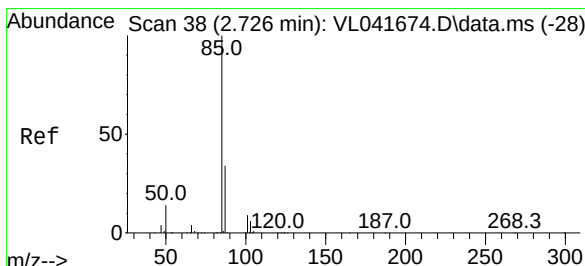
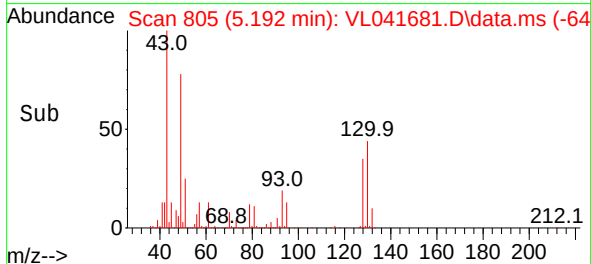
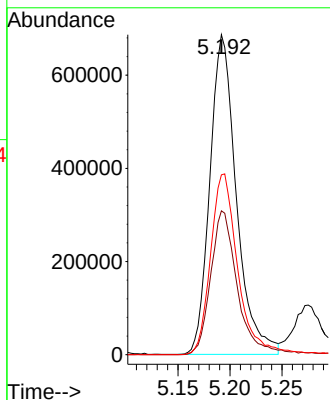
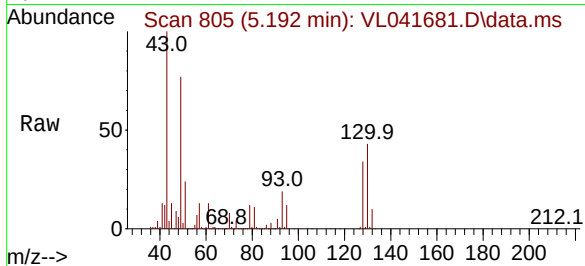




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.192 min Scan# 80
 Delta R.T. 0.004 min
 Lab File: VL041681.D
 Acq: 7 Nov 2024 14:51

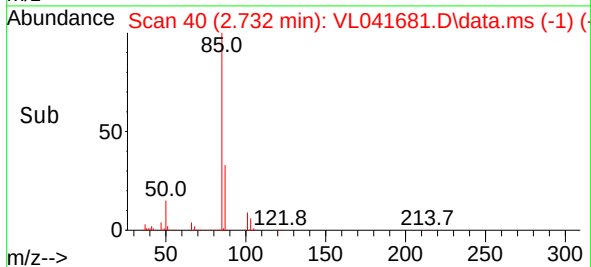
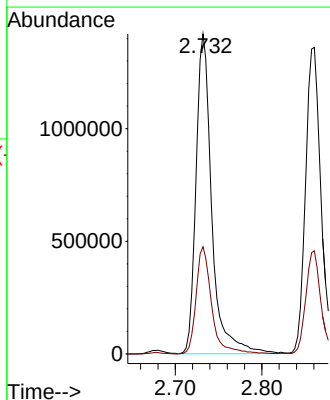
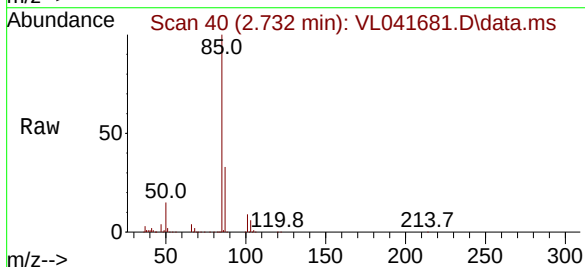
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL110724

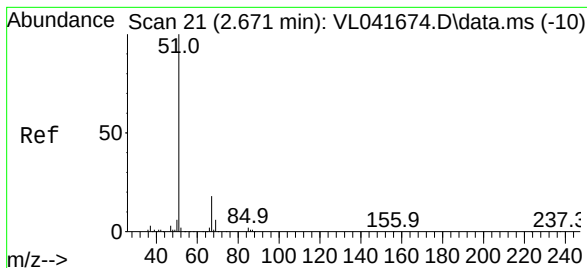
Tgt Ion: 49 Resp: 1219218
 Ion Ratio Lower Upper
 49 100
 128 46.0 23.8 71.2
 130 59.2 30.1 90.5



#2
 Dichlorodifluoromethane
 Concen: 8.145 ppbv
 RT: 2.732 min Scan# 40
 Delta R.T. 0.006 min
 Lab File: VL041681.D
 Acq: 7 Nov 2024 14:51

Tgt Ion: 85 Resp: 1794893
 Ion Ratio Lower Upper
 85 100
 87 33.5 26.8 40.2





#3

Chlorodifluoromethane

Concen: 9.000 ppbv

RT: 2.677 min Scan# 21

Delta R.T. 0.006 min

Lab File: VL041681.D

Acq: 7 Nov 2024 14:51

Instrument :

MSVOA_L

ClientSampleId :

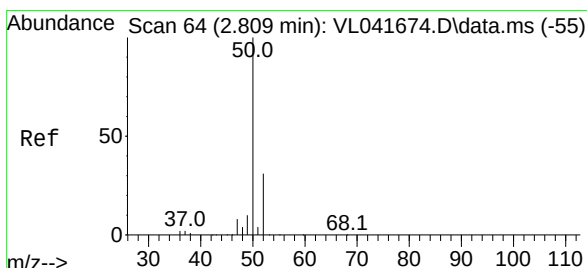
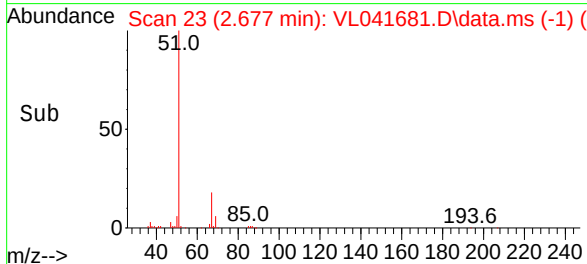
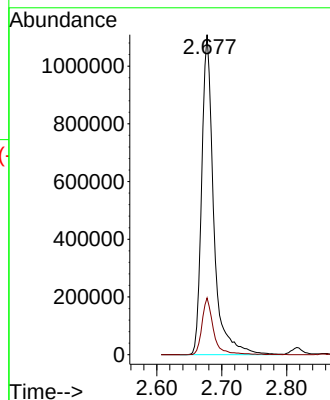
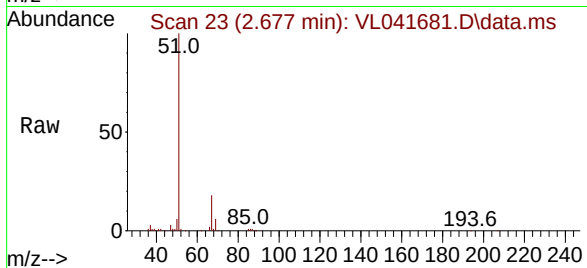
ICVVL110724

Tgt Ion: 51 Resp: 1429744

Ion Ratio Lower Upper

51 100

67 17.1 13.9 20.9



#4

Chloromethane

Concen: 9.359 ppbv

RT: 2.816 min Scan# 66

Delta R.T. 0.006 min

Lab File: VL041681.D

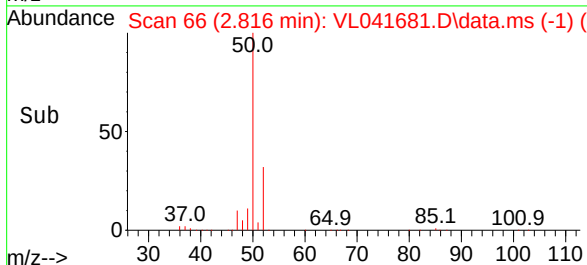
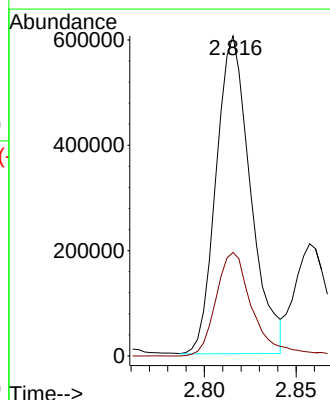
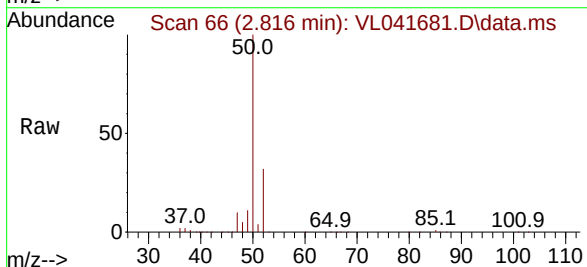
Acq: 7 Nov 2024 14:51

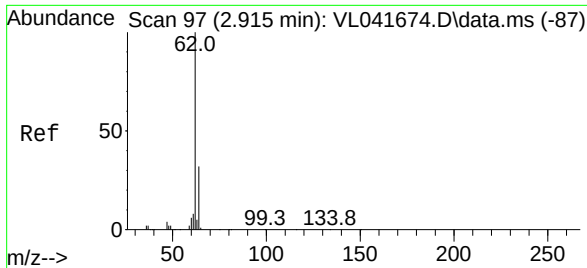
Tgt Ion: 50 Resp: 787537

Ion Ratio Lower Upper

50 100

52 32.6 24.9 37.3

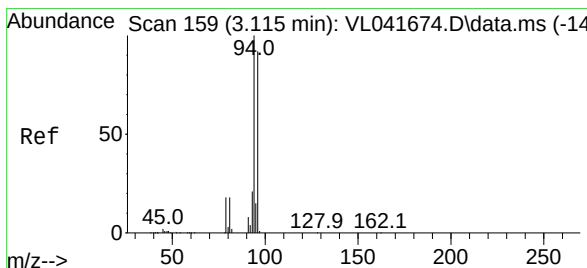
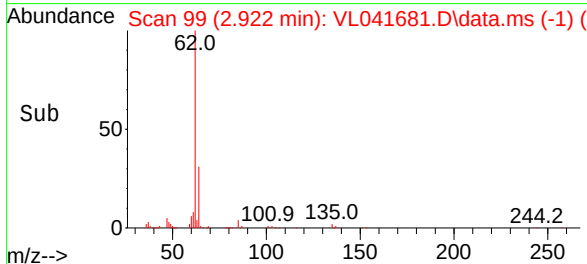
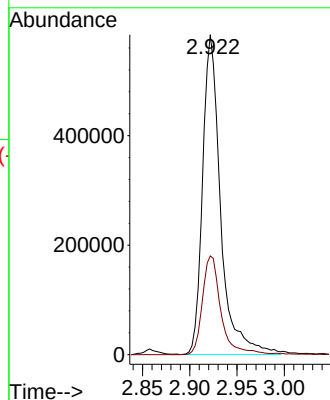
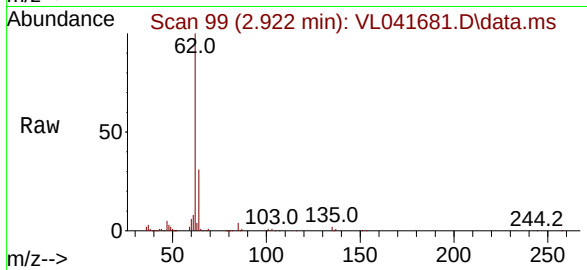




#5
 Vinyl Chloride
 Concen: 10.232 ppbv
 RT: 2.922 min Scan# 94
 Delta R.T. 0.006 min
 Lab File: VL041681.D
 Acq: 7 Nov 2024 14:51

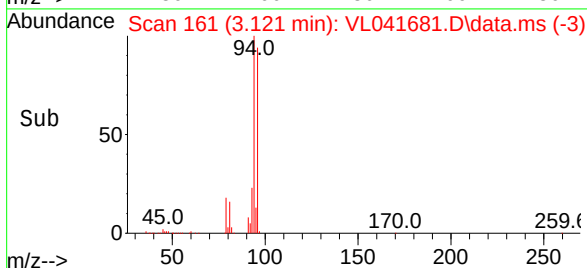
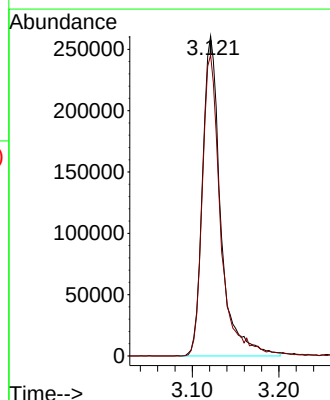
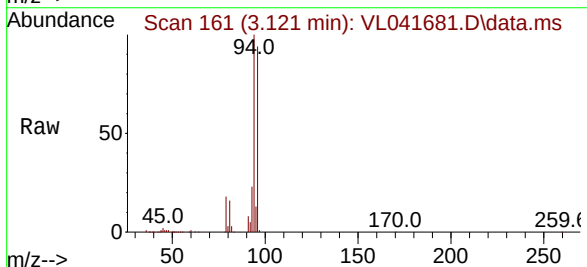
Instrument :
 MSVOA_1
 ClientSampleId :
 ICVVL110724

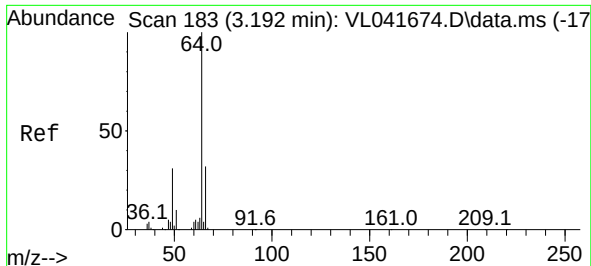
Tgt Ion: 62 Resp: 774506
 Ion Ratio Lower Upper
 62 100
 64 30.9 25.4 38.2



#6
 Bromomethane
 Concen: 9.449 ppbv
 RT: 3.121 min Scan# 161
 Delta R.T. 0.006 min
 Lab File: VL041681.D
 Acq: 7 Nov 2024 14:51

Tgt Ion: 94 Resp: 379427
 Ion Ratio Lower Upper
 94 100
 96 94.1 73.4 110.2

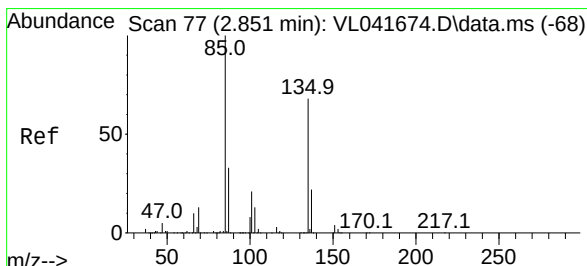
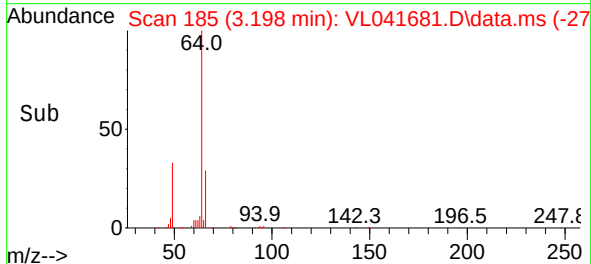
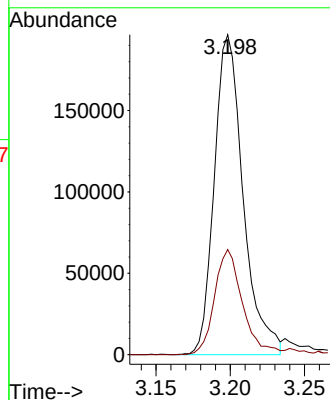
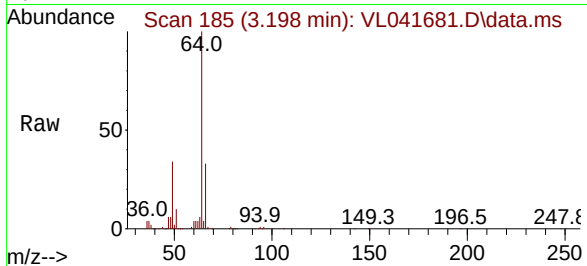




#7
Chloroethane
Concen: 9.626 ppbv
RT: 3.198 min Scan# 11
Delta R.T. 0.006 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

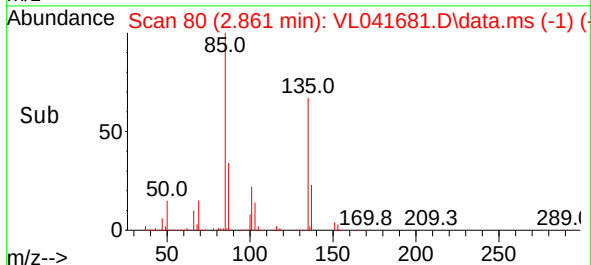
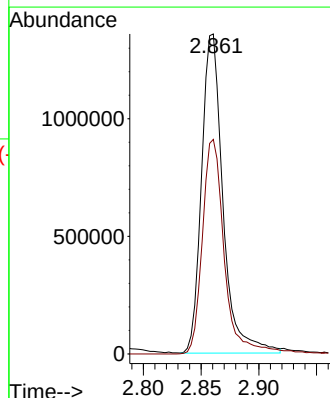
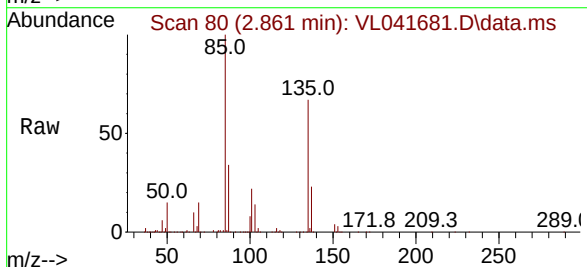
Instrument :
MSVOA_L
ClientSampleId :
ICVVL110724

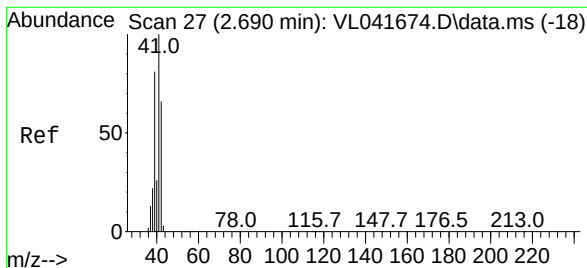
Tgt Ion: 64 Resp: 265929
Ion Ratio Lower Upper
64 100
66 32.9 25.9 38.9



#8
Dichlorotetrafluoroethane
Concen: 8.910 ppbv
RT: 2.861 min Scan# 80
Delta R.T. 0.010 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

Tgt Ion: 85 Resp: 1752691
Ion Ratio Lower Upper
85 100
135 69.6 55.5 83.3





#9

Propene

Concen: 9.892 ppbv

RT: 2.697 min Scan# 20

Delta R.T. 0.006 min

Lab File: VL041681.D

Acq: 7 Nov 2024 14:51

Instrument :

MSVOA_L

ClientSampleId :

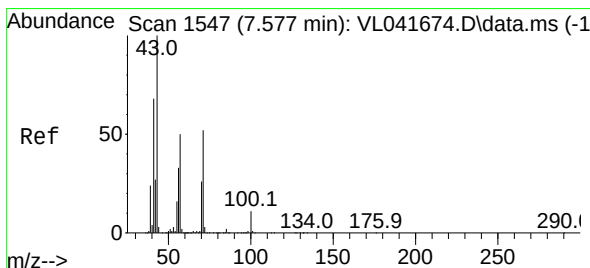
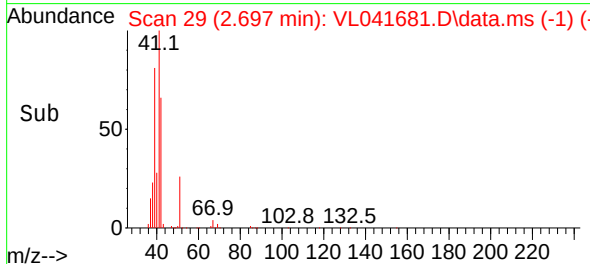
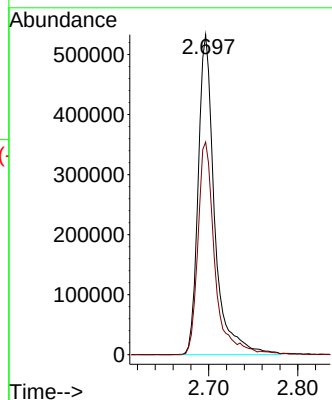
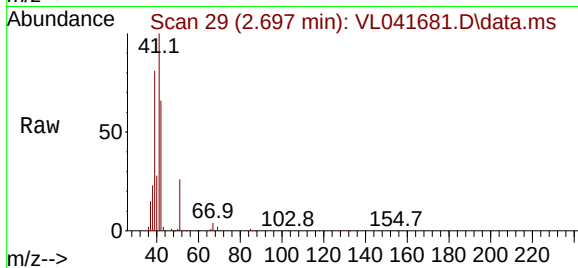
ICVVL110724

Tgt Ion: 41 Resp: 684685

Ion Ratio Lower Upper

41 100

42 68.9 55.0 82.4



#10

Heptane

Concen: 10.465 ppbv

RT: 7.581 min Scan# 1548

Delta R.T. 0.003 min

Lab File: VL041681.D

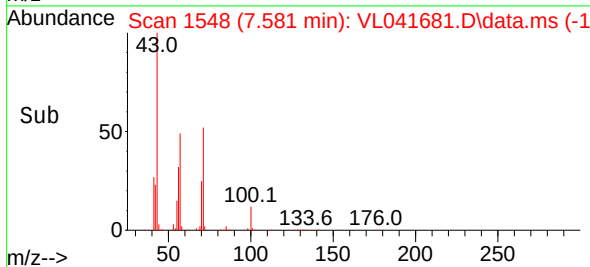
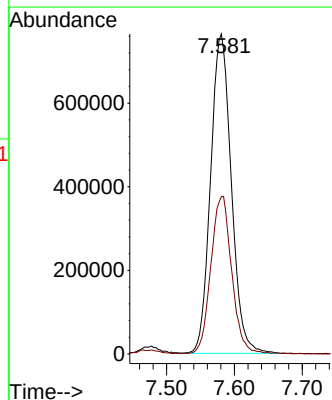
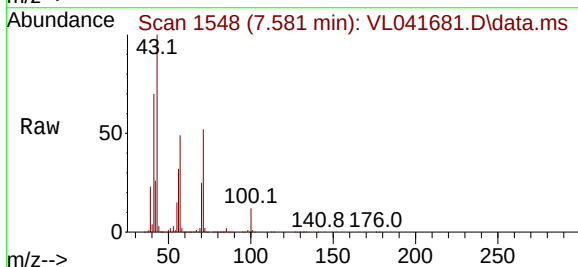
Acq: 7 Nov 2024 14:51

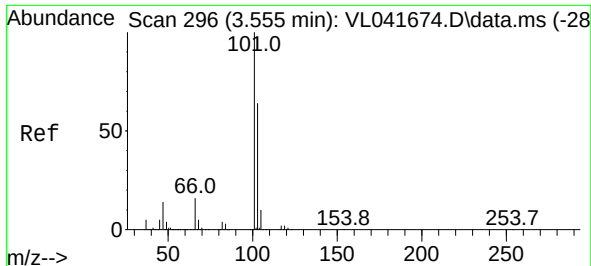
Tgt Ion: 43 Resp: 1623259

Ion Ratio Lower Upper

43 100

57 49.9 40.0 60.0





#11

Trichlorofluoromethane

Concen: 8.937 ppbv

RT: 3.562 min Scan# 296

Delta R.T. 0.006 min

Lab File: VL041681.D

Acq: 7 Nov 2024 14:51

Instrument :

MSVOA_L

ClientSampleId :

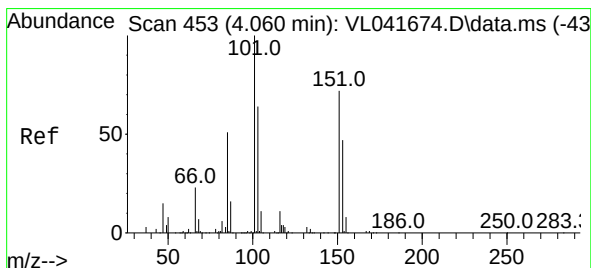
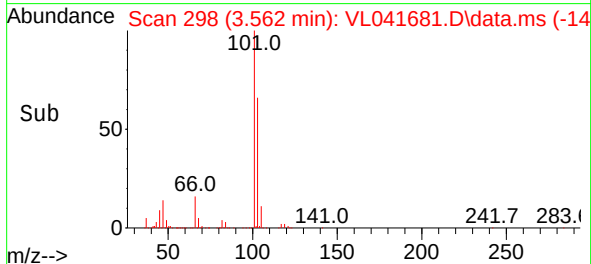
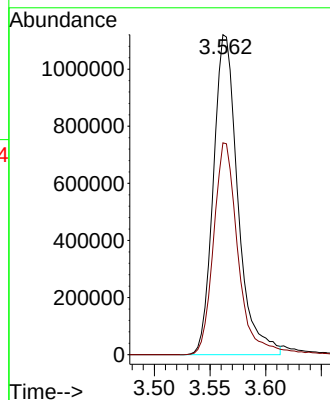
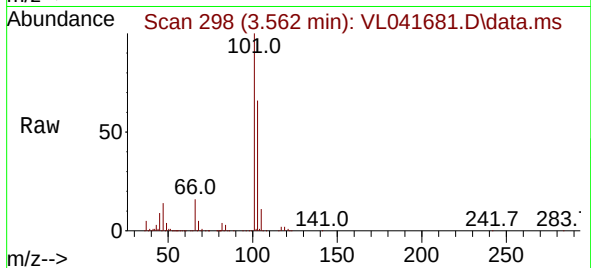
ICVVL110724

Tgt Ion:101 Resp: 1715400

Ion Ratio Lower Upper

101 100

103 66.2 51.0 76.6



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.225 ppbv

RT: 4.066 min Scan# 455

Delta R.T. 0.006 min

Lab File: VL041681.D

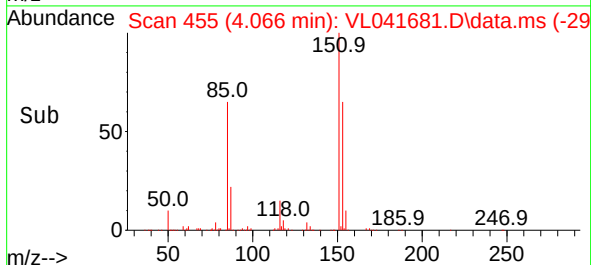
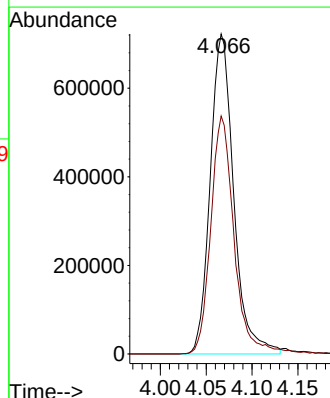
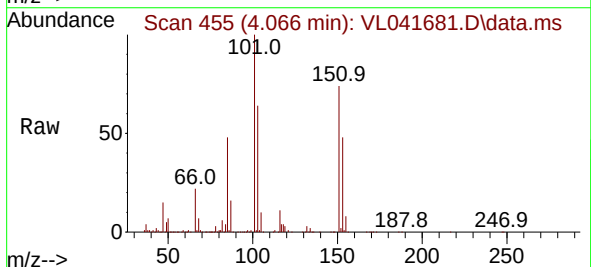
Acq: 7 Nov 2024 14:51

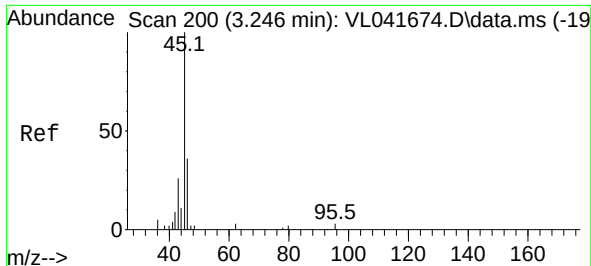
Tgt Ion:101 Resp: 1286962

Ion Ratio Lower Upper

101 100

151 74.1 59.1 88.7

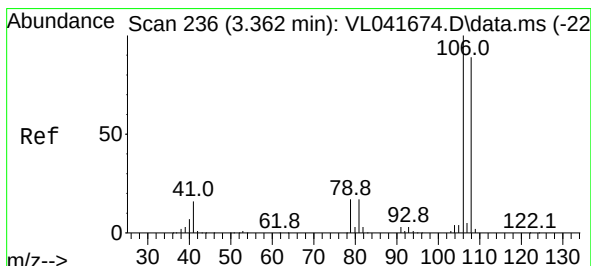
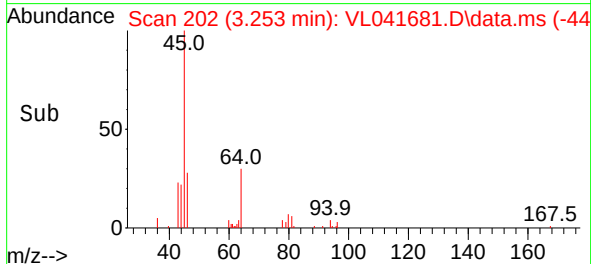
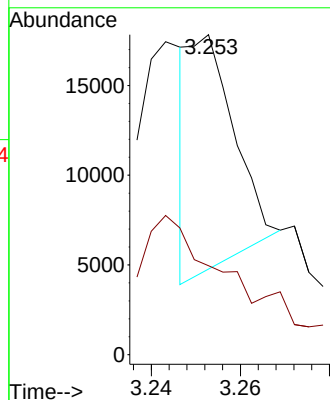
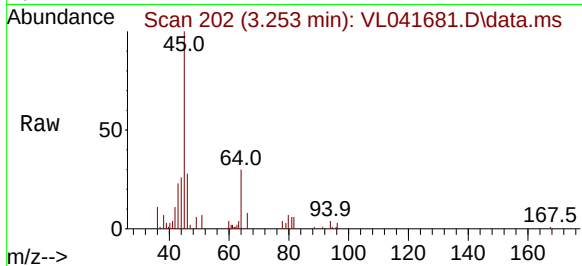




#13
Ethanol
Concen: 2.169 ppbv
RT: 3.253 min Scan# 20
Delta R.T. 0.006 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

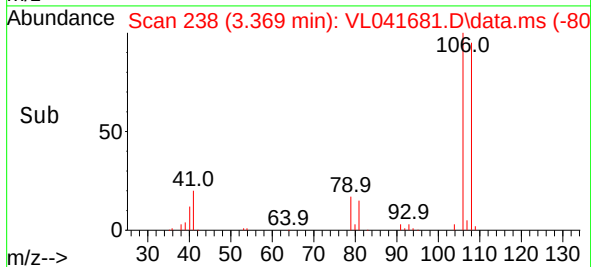
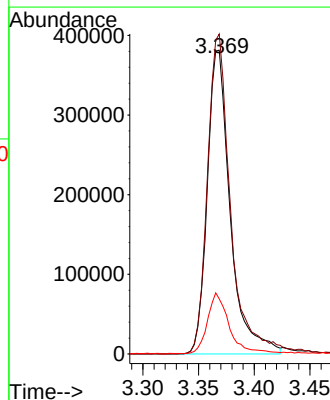
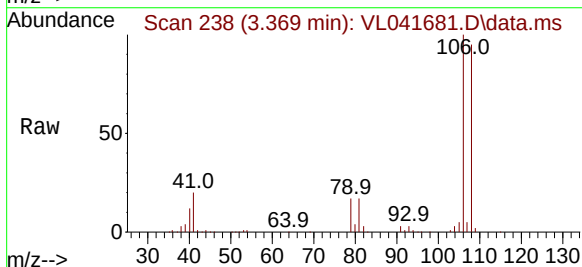
Instrument :
MSVOA_L
ClientSampleId :
ICVVL110724

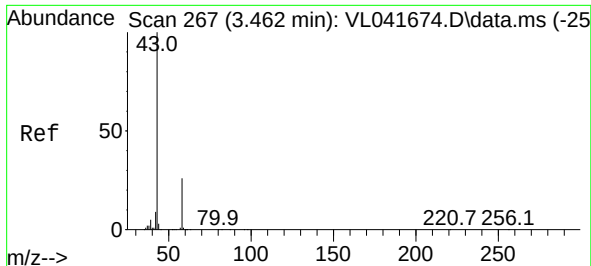
Tgt Ion: 45 Resp: 9194
Ion Ratio Lower Upper
45 100
46 0.0 13.8 55.2#



#14
Bromoethene
Concen: 9.755 ppbv
RT: 3.369 min Scan# 238
Delta R.T. 0.006 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

Tgt Ion:108 Resp: 547085
Ion Ratio Lower Upper
108 100
106 107.9 88.6 133.0
79 20.5 15.6 23.4

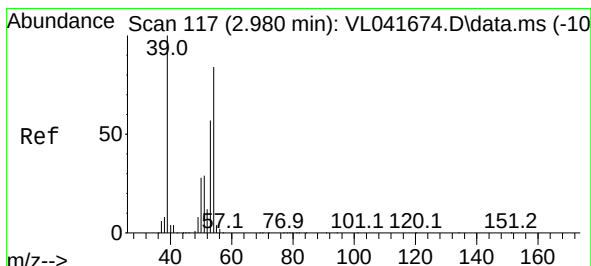
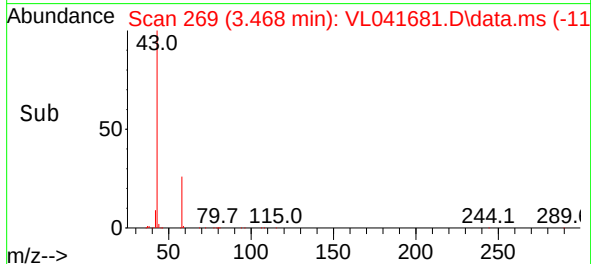
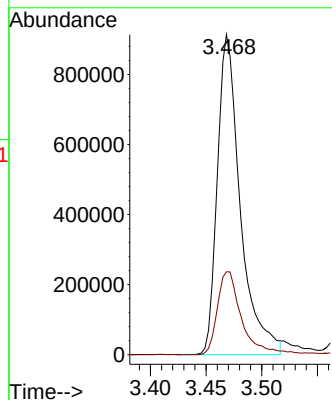
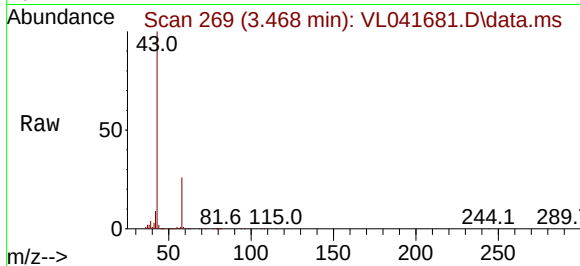




#15
Acetone
Concen: 8.715 ppbv
RT: 3.468 min Scan# 20
Delta R.T. 0.006 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

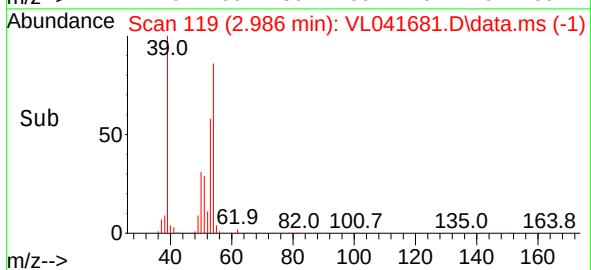
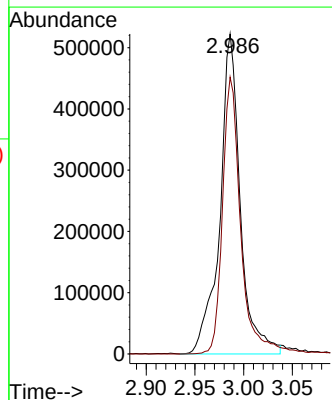
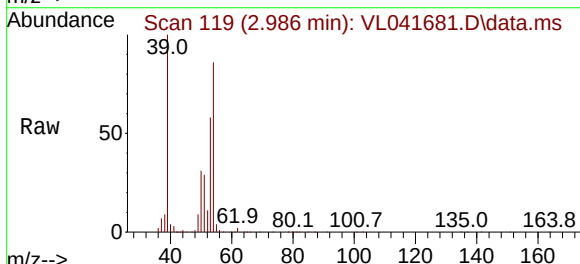
Instrument :
MSVOA_L
ClientSampleId :
ICVVL110724

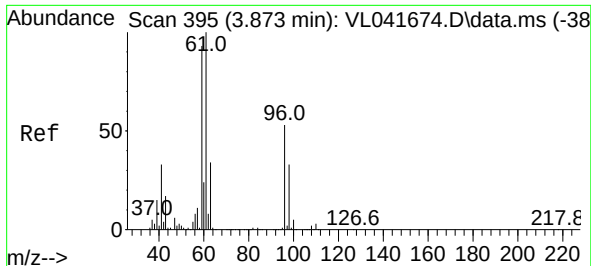
Tgt Ion: 43 Resp: 1307631
Ion Ratio Lower Upper
43 100
58 27.9 21.4 32.0



#16
1,3-Butadiene
Concen: 10.072 ppbv
RT: 2.986 min Scan# 119
Delta R.T. 0.006 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

Tgt Ion: 39 Resp: 762546
Ion Ratio Lower Upper
39 100
54 78.2 61.3 91.9





#17

tert-Butyl alcohol

Concen: 10.798 ppbv

RT: 3.877 min Scan# 396

Delta R.T. 0.003 min

Lab File: VL041681.D

Acq: 7 Nov 2024 14:51

Instrument :

MSVOA_1

ClientSampleId :

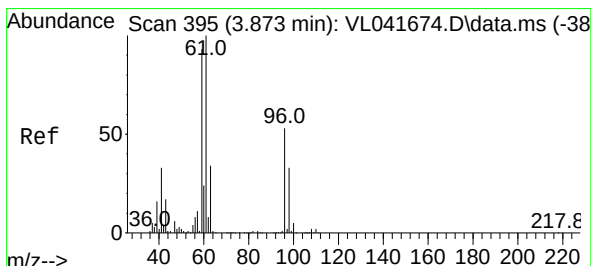
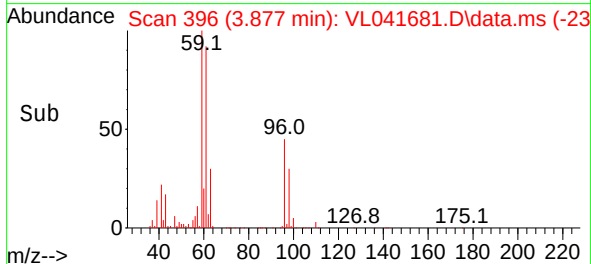
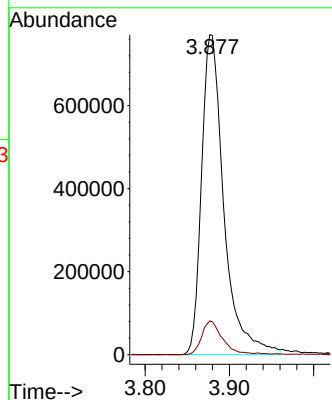
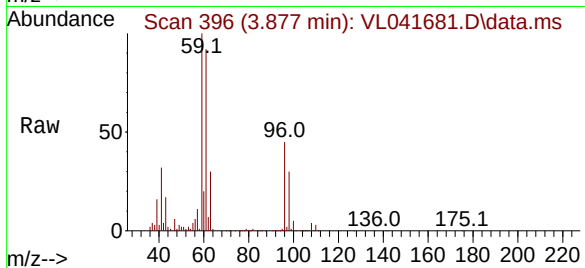
ICVVL110724

Tgt Ion: 59 Resp: 1421835

Ion Ratio Lower Upper

59 100

57 10.3 8.5 12.7



#18

1,1-Dichloroethene

Concen: 9.632 ppbv

RT: 3.880 min Scan# 397

Delta R.T. 0.006 min

Lab File: VL041681.D

Acq: 7 Nov 2024 14:51

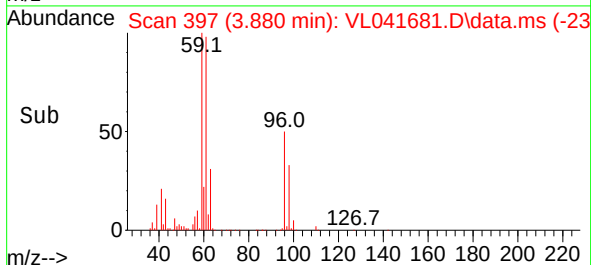
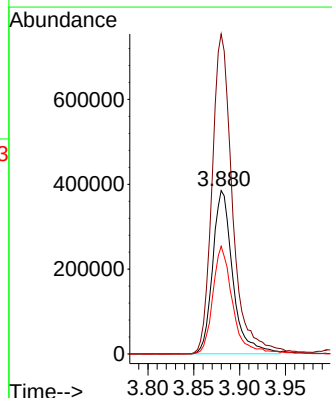
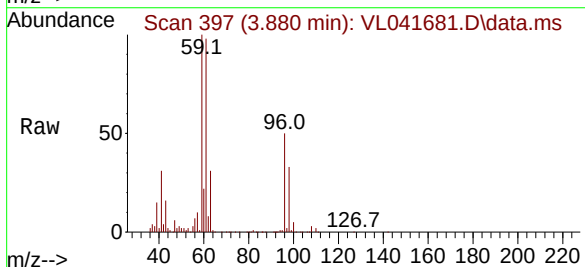
Tgt Ion: 96 Resp: 589373

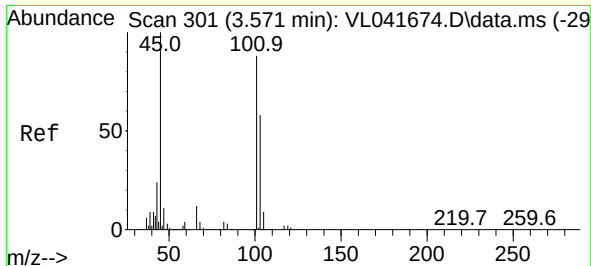
Ion Ratio Lower Upper

96 100

61 196.0 150.7 226.1

98 65.9 49.4 74.2





#19

Isopropyl Alcohol

Concen: 10.626 ppbv

RT: 3.578 min Scan# 301

Delta R.T. 0.006 min

Lab File: VL041681.D

Acq: 7 Nov 2024 14:51

Instrument :

MSVOA_L

ClientSampleId :

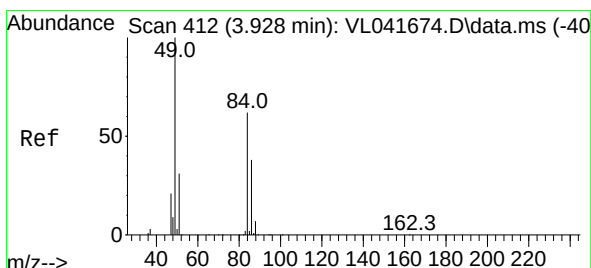
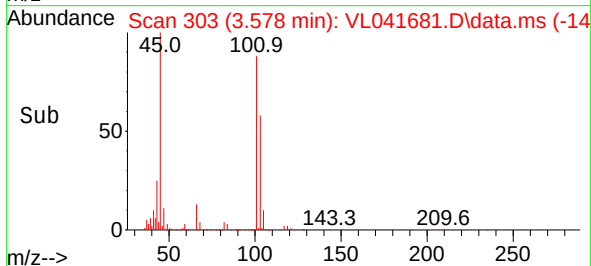
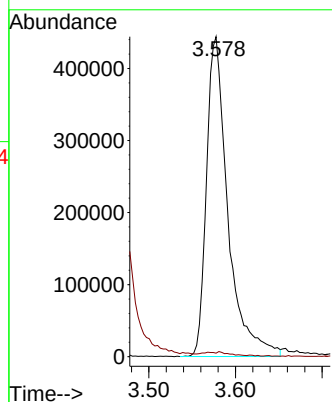
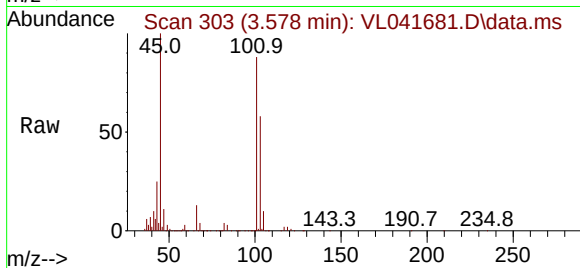
ICVVL110724

Tgt Ion: 45 Resp: 762103

Ion Ratio Lower Upper

45 100

58 1.9 2.5 3.7#



#20

Methylene Chloride

Concen: 8.888 ppbv

RT: 3.934 min Scan# 414

Delta R.T. 0.006 min

Lab File: VL041681.D

Acq: 7 Nov 2024 14:51

Tgt Ion: 84 Resp: 490767

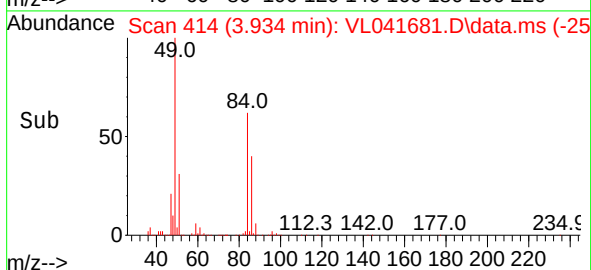
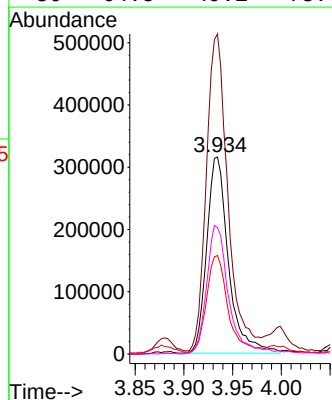
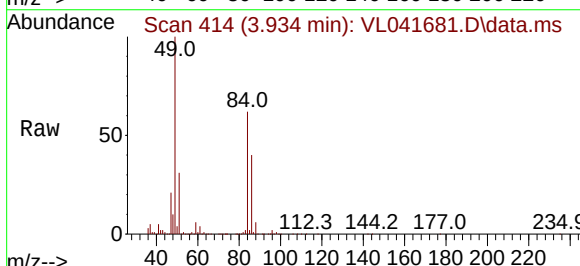
Ion Ratio Lower Upper

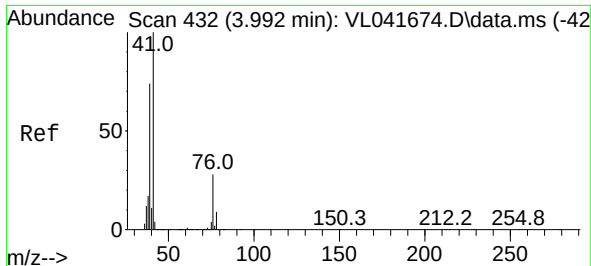
84 100

49 160.5 129.7 194.5

51 48.5 39.8 59.6

86 64.5 49.1 73.7

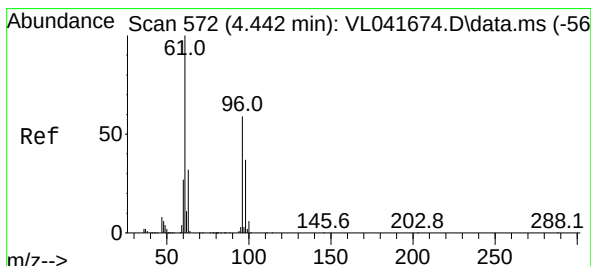
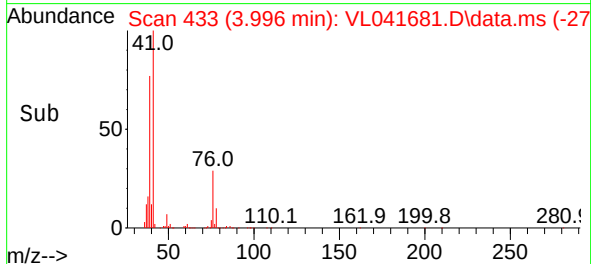
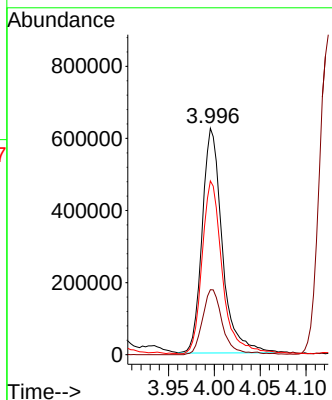
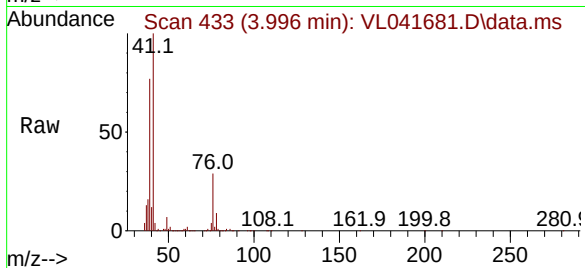




#21
 Allyl Chloride
 Concen: 10.272 ppbv
 RT: 3.996 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL041681.D
 Acq: 7 Nov 2024 14:51

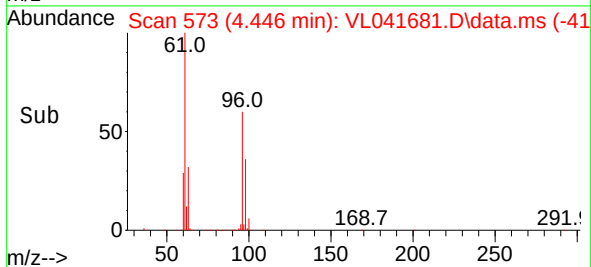
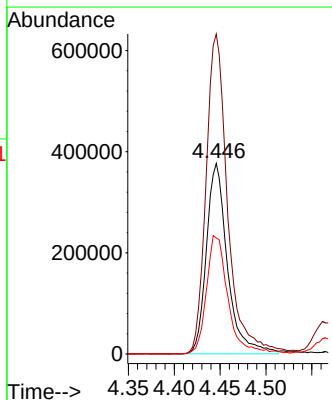
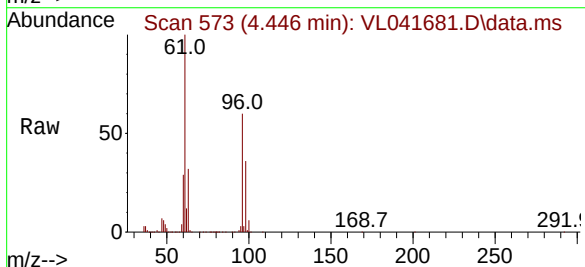
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL110724

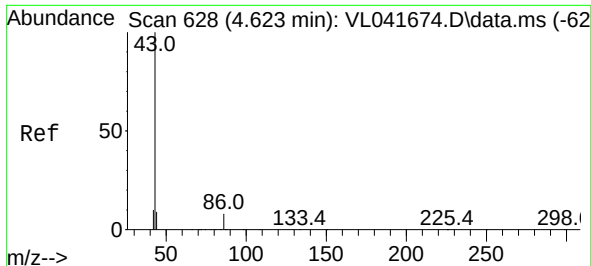
Tgt Ion: 41 Resp: 952403
 Ion Ratio Lower Upper
 41 100
 76 29.3 23.5 35.3
 39 78.0 63.0 94.4



#22
 trans-1,2-Dichloroethene
 Concen: 9.905 ppbv
 RT: 4.446 min Scan# 573
 Delta R.T. 0.003 min
 Lab File: VL041681.D
 Acq: 7 Nov 2024 14:51

Tgt Ion: 96 Resp: 602606
 Ion Ratio Lower Upper
 96 100
 61 167.9 134.5 201.7
 98 60.9 49.6 74.4

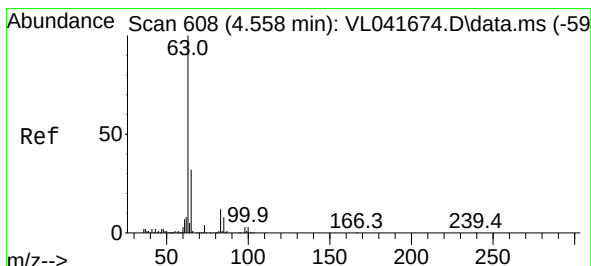
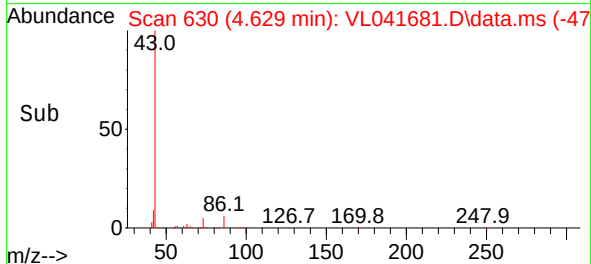
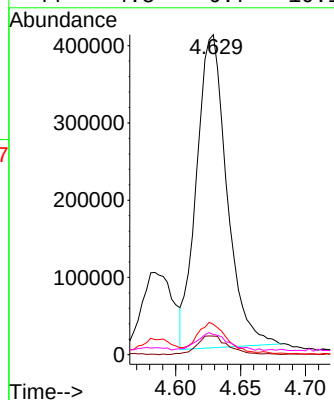
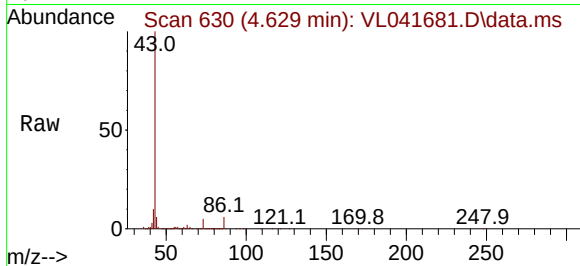




#23
 Vinyl Acetate
 Concen: 9.976 ppbv
 RT: 4.629 min Scan# 610
 Delta R.T. 0.006 min
 Lab File: VL041681.D
 Acq: 7 Nov 2024 14:51

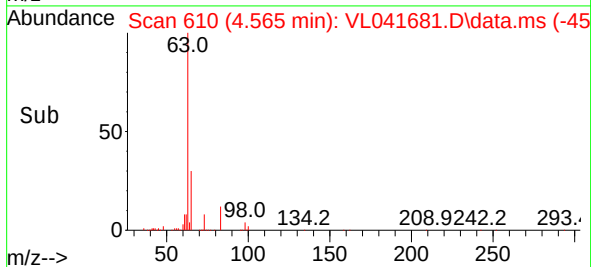
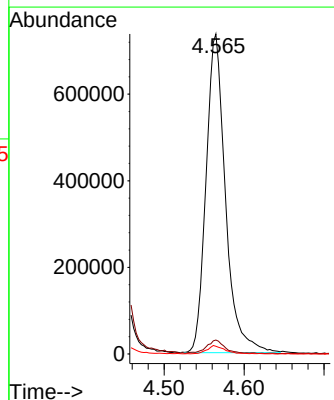
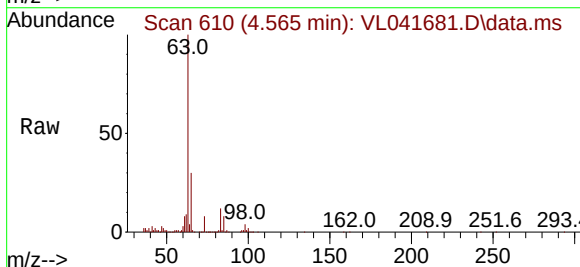
Instrument :
 MSVOA_1
 ClientSampleId :
 ICVVL110724

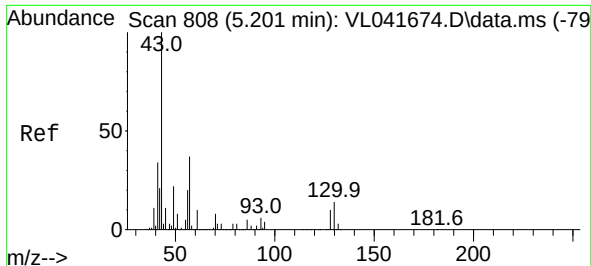
Tgt Ion: 43 Resp: 659846
 Ion Ratio Lower Upper
 43 100
 86 5.9 5.3 7.9
 42 9.3 8.5 12.7
 44 4.8 6.7 10.1#



#24
 1,1-Dichloroethane
 Concen: 9.177 ppbv
 RT: 4.565 min Scan# 610
 Delta R.T. 0.006 min
 Lab File: VL041681.D
 Acq: 7 Nov 2024 14:51

Tgt Ion: 63 Resp: 1246280
 Ion Ratio Lower Upper
 63 100
 98 4.2 1.8 5.4
 100 2.3 1.4 4.2





#25

Ethyl Acetate

Concen: 9.850 ppbv

RT: 5.205 min Scan# 80

Delta R.T. 0.003 min

Lab File: VL041681.D

Acq: 7 Nov 2024 14:51

Instrument :

MSVOA_L

ClientSampleId :

ICVVL110724

Tgt Ion: 43 Resp: 3059483

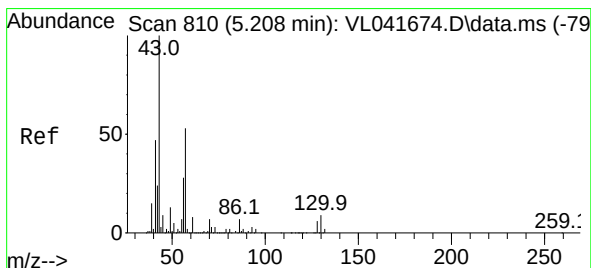
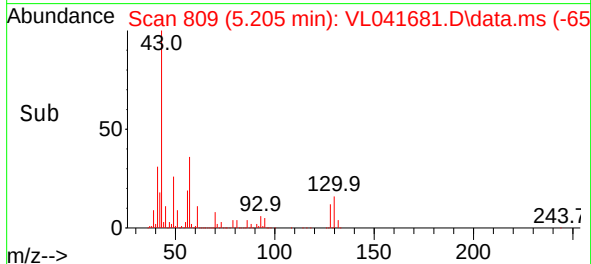
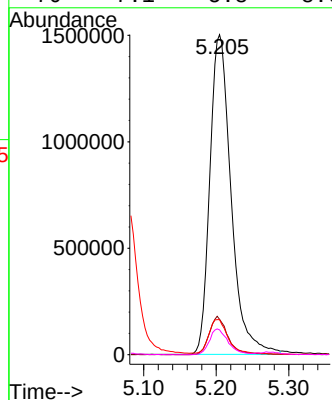
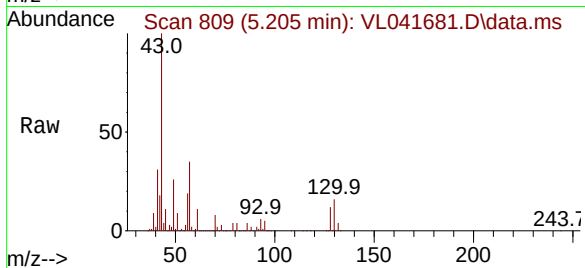
Ion Ratio Lower Upper

43 100

45 10.7 8.6 13.0

61 10.6 8.4 12.6

70 7.1 5.8 8.6



#26

Hexane

Concen: 10.235 ppbv

RT: 5.214 min Scan# 812

Delta R.T. 0.006 min

Lab File: VL041681.D

Acq: 7 Nov 2024 14:51

Tgt Ion: 57 Resp: 1221365

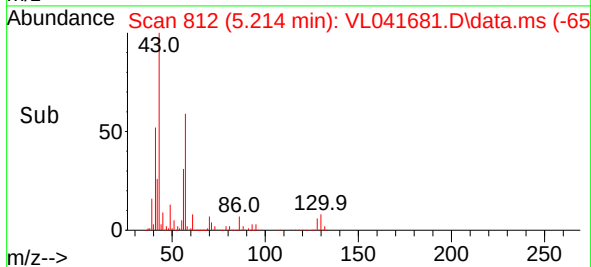
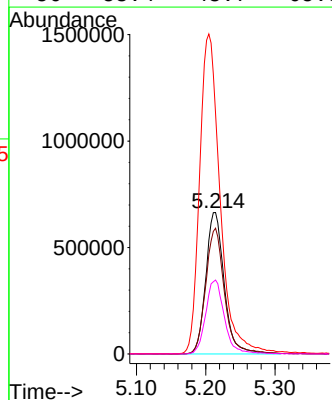
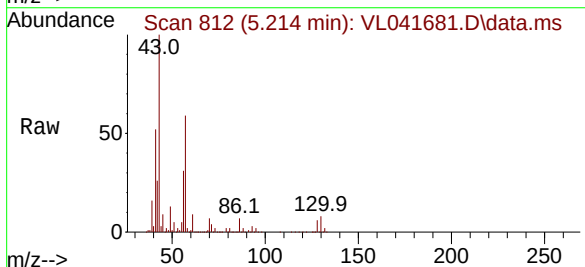
Ion Ratio Lower Upper

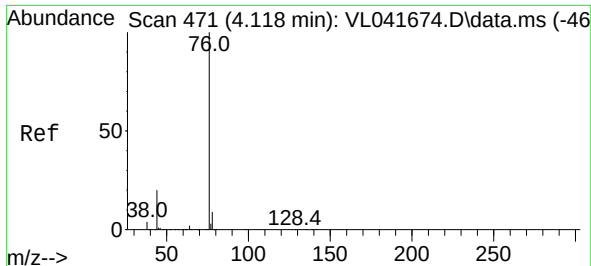
57 100

41 91.4 76.1 114.1

43 252.9 207.0 310.6

56 53.4 43.7 65.5

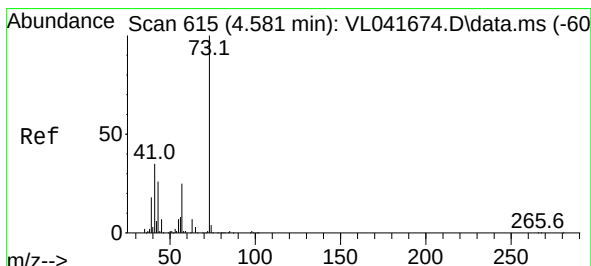
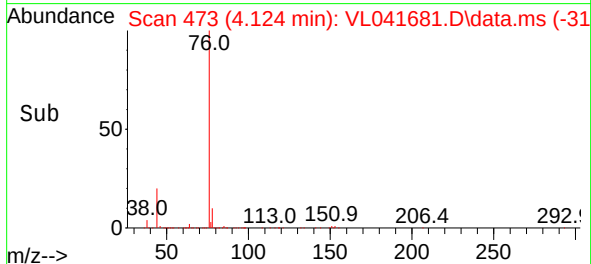
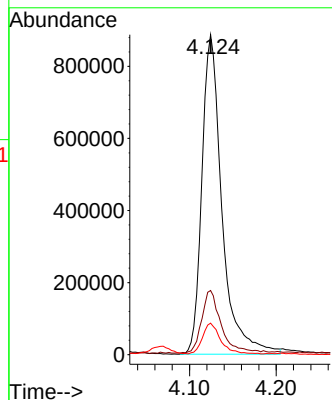
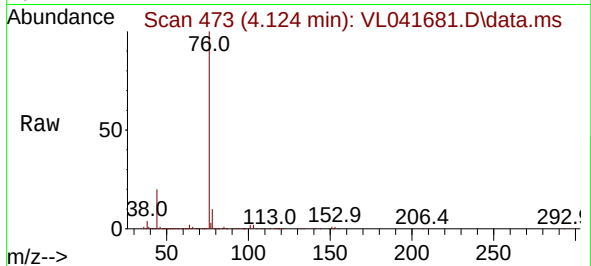




#27
Carbon Disulfide
Concen: 10.648 ppbv
RT: 4.124 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

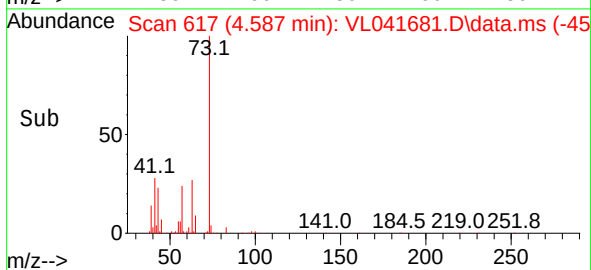
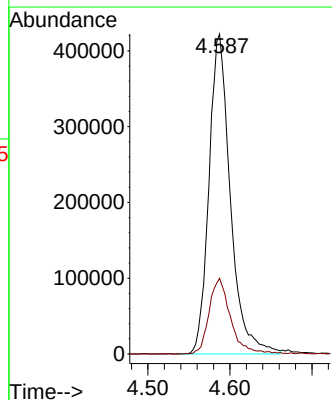
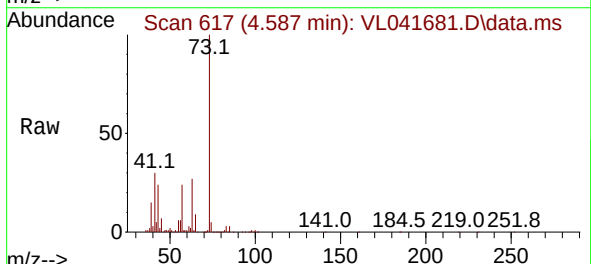
Instrument :
MSVOA_L
ClientSampleId :
ICVVL110724

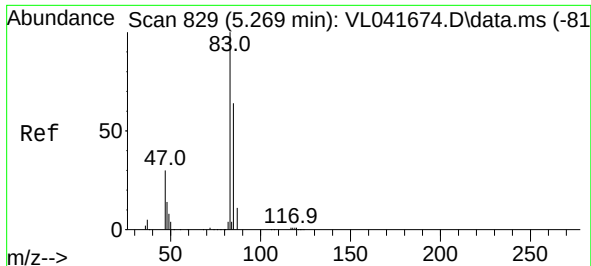
Tgt Ion: 76 Resp: 1427544
Ion Ratio Lower Upper
76 100
44 20.5 15.8 23.8
78 10.0 7.5 11.3



#28
Methyl tert-Butyl Ether
Concen: 9.954 ppbv
RT: 4.587 min Scan# 617
Delta R.T. 0.006 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

Tgt Ion: 73 Resp: 764924
Ion Ratio Lower Upper
73 100
57 23.9 19.6 29.4





#29

Chloroform

Concen: 9.167 ppbv

RT: 5.275 min Scan# 81

Delta R.T. 0.006 min

Lab File: VL041681.D

Acq: 7 Nov 2024 14:51

Instrument :

MSVOA_L

ClientSampleId :

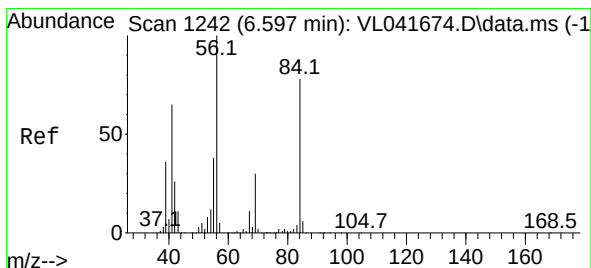
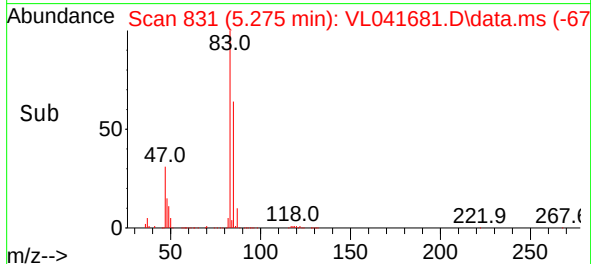
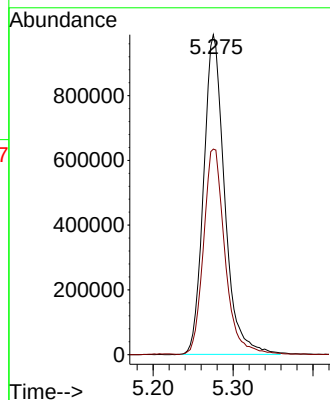
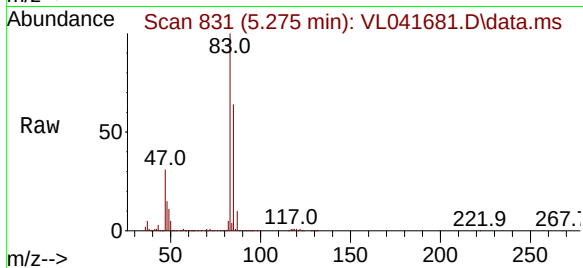
ICVVL110724

Tgt Ion: 83 Resp: 1805559

Ion Ratio Lower Upper

83 100

85 64.2 51.1 76.7



#30

Cyclohexane

Concen: 10.204 ppbv

RT: 6.603 min Scan# 1244

Delta R.T. 0.006 min

Lab File: VL041681.D

Acq: 7 Nov 2024 14:51

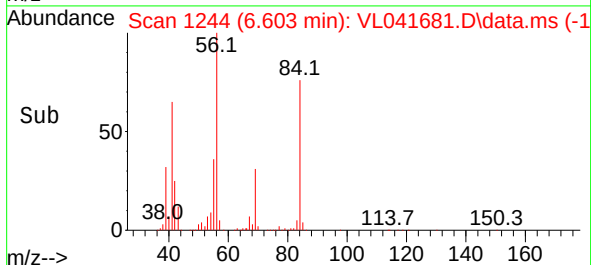
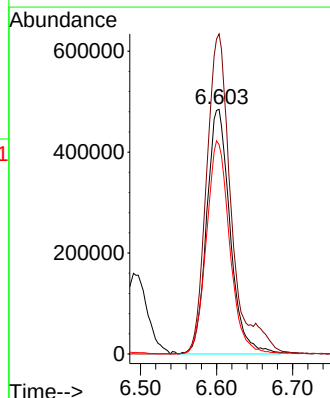
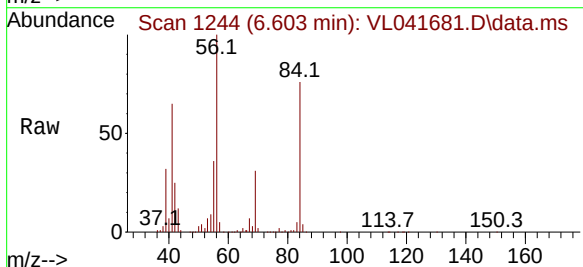
Tgt Ion: 84 Resp: 1036810

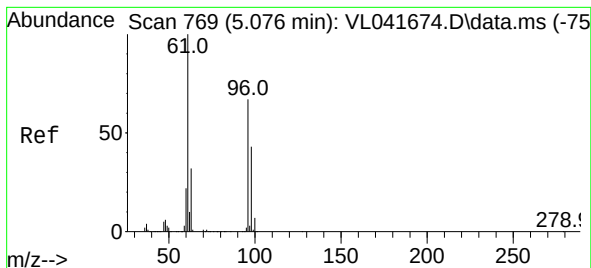
Ion Ratio Lower Upper

84 100

56 138.2 110.8 166.2

41 86.7 70.0 105.0





#31

cis-1,2-Dichloroethene

Concen: 10.374 ppbv

RT: 5.079 min Scan# 71

Delta R.T. 0.003 min

Lab File: VL041681.D

Acq: 7 Nov 2024 14:51

Instrument :

MSVOA_L

ClientSampleId :

ICVVL110724

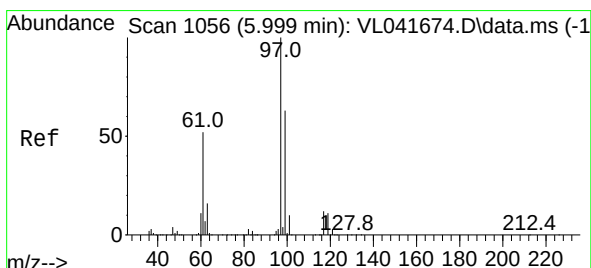
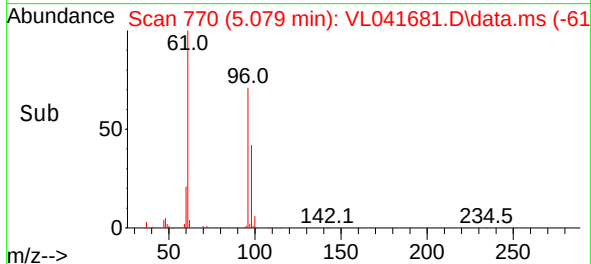
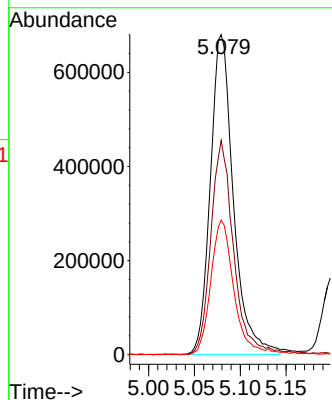
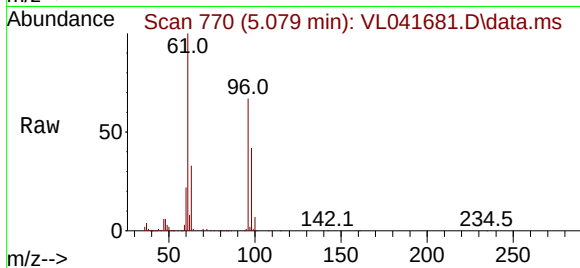
Tgt Ion: 61 Resp: 1190854

Ion Ratio Lower Upper

61 100

96 67.0 53.4 80.2

98 42.1 34.0 51.0



#32

1,1,1-Trichloroethane

Concen: 10.002 ppbv

RT: 6.002 min Scan# 1057

Delta R.T. 0.003 min

Lab File: VL041681.D

Acq: 7 Nov 2024 14:51

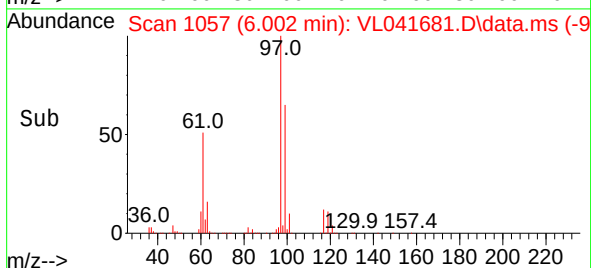
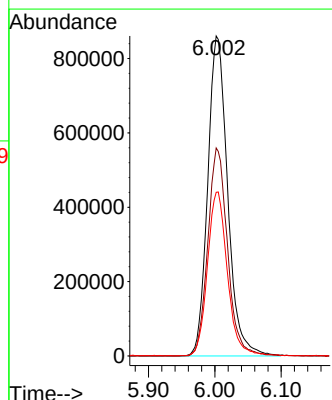
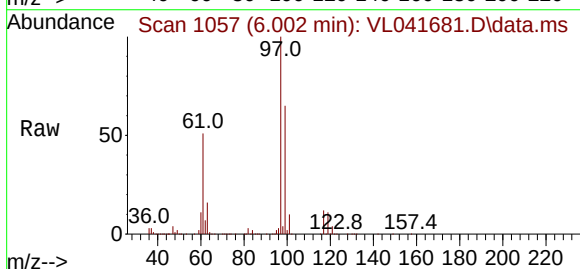
Tgt Ion: 97 Resp: 1797279

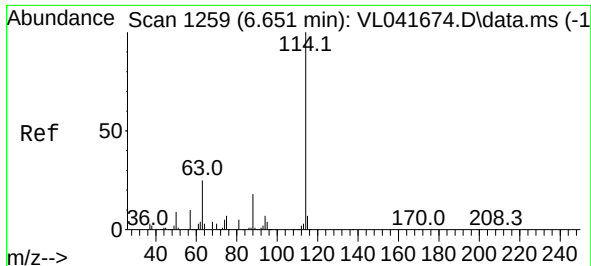
Ion Ratio Lower Upper

97 100

99 64.4 51.4 77.2

61 51.4 41.7 62.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL041681.D

Acq: 7 Nov 2024 14:51

Instrument :

MSVOA_L

ClientSampleId :

ICVVL110724

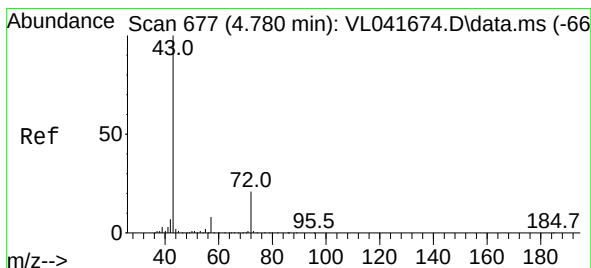
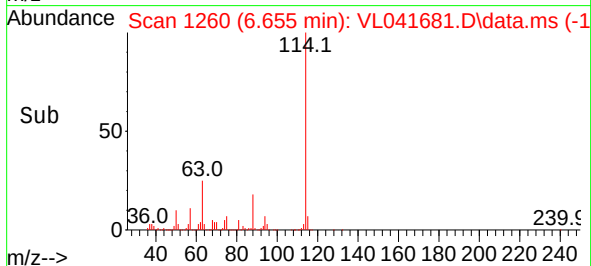
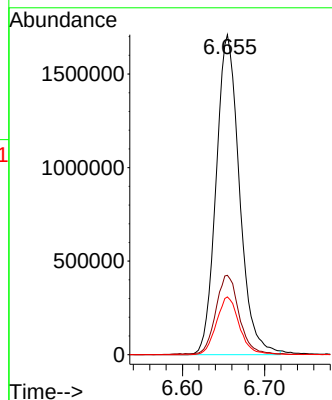
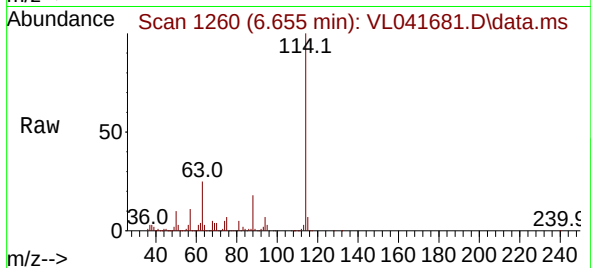
Tgt Ion:114 Resp: 3384840

Ion Ratio Lower Upper

114 100

63 25.4 20.3 30.5

88 17.9 14.2 21.4



#34

2-Butanone

Concen: 10.390 ppbv

RT: 4.787 min Scan# 679

Delta R.T. 0.006 min

Lab File: VL041681.D

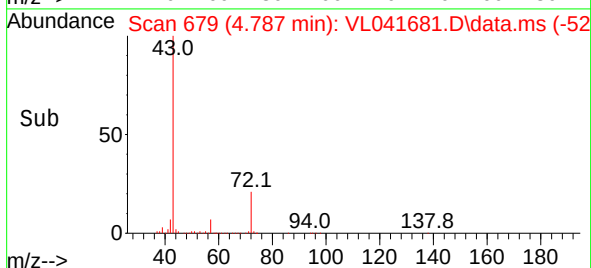
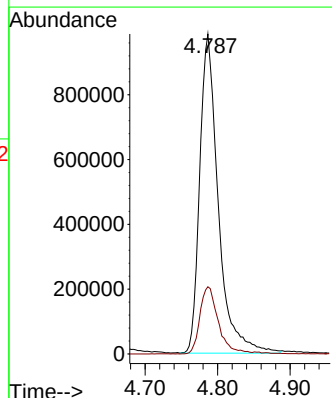
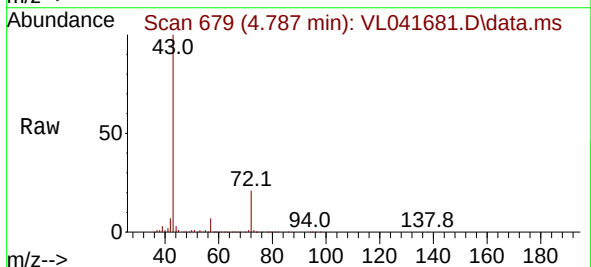
Acq: 7 Nov 2024 14:51

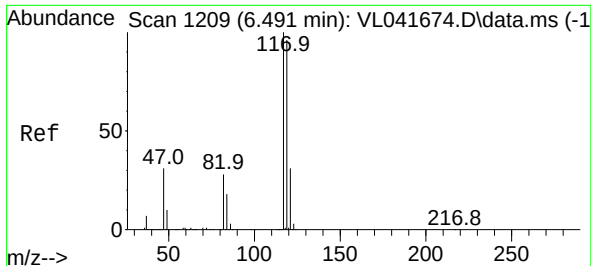
Tgt Ion: 43 Resp: 1751089

Ion Ratio Lower Upper

43 100

72 21.6 17.4 26.0

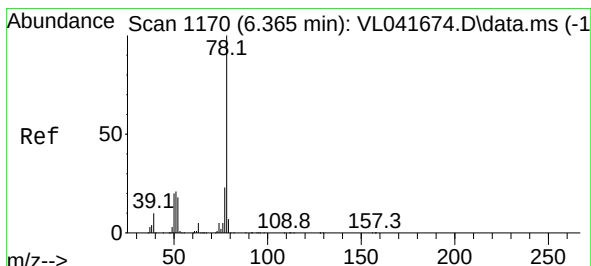
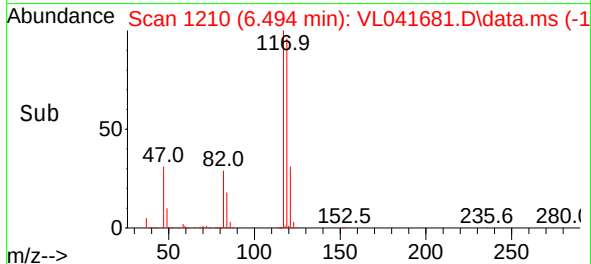
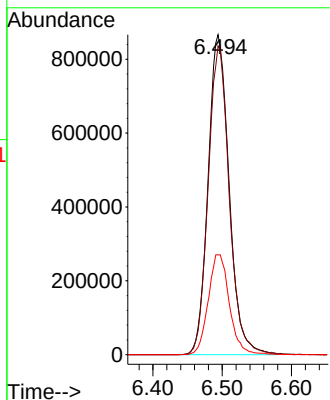
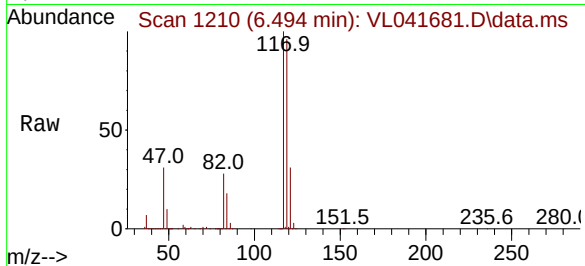




#35
Carbon Tetrachloride
Concen: 10.244 ppbv
RT: 6.494 min Scan# 1170
Delta R.T. 0.003 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

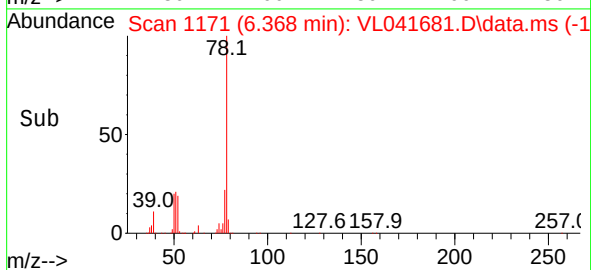
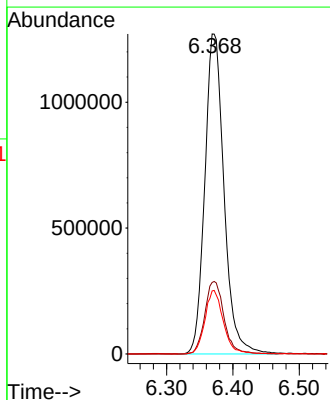
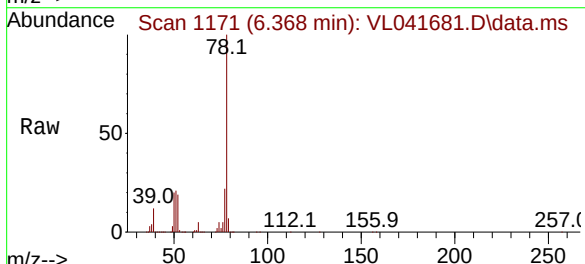
Instrument :
MSVOA_1
ClientSampleId :
ICVVL110724

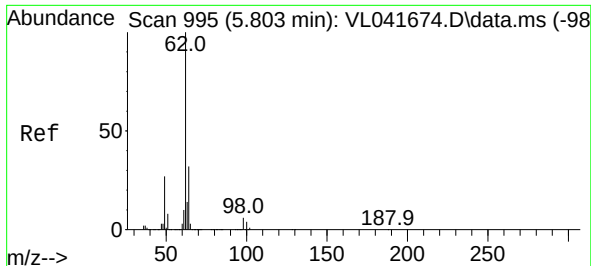
Tgt Ion:117 Resp: 1829420
Ion Ratio Lower Upper
117 100
119 96.4 77.2 115.8
121 31.2 25.0 37.4



#36
Benzene
Concen: 10.208 ppbv
RT: 6.368 min Scan# 1171
Delta R.T. 0.003 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

Tgt Ion: 78 Resp: 2560057
Ion Ratio Lower Upper
78 100
77 22.3 18.5 27.7
50 19.7 15.6 23.4





#37

1,2-Dichloroethane

Concen: 9.726 ppbv

RT: 5.809 min Scan# 995

Delta R.T. 0.006 min

Lab File: VL041681.D

Acq: 7 Nov 2024 14:51

Instrument :

MSVOA_L

ClientSampleId :

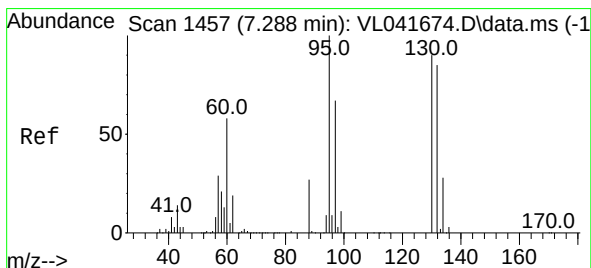
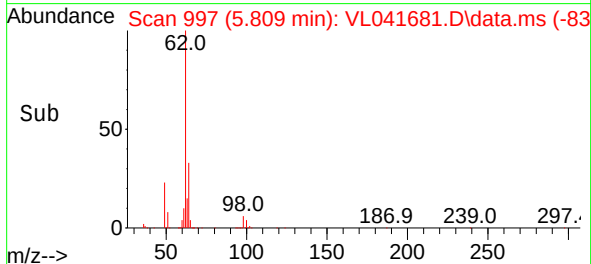
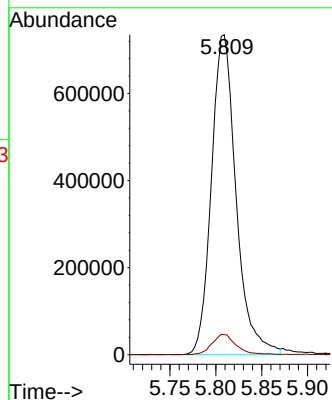
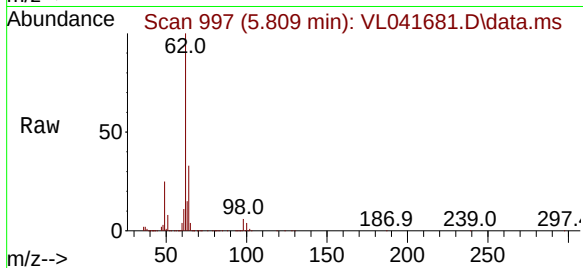
ICVVL110724

Tgt Ion: 62 Resp: 1376089

Ion Ratio Lower Upper

62 100

98 6.3 5.2 7.8



#38

Trichloroethene

Concen: 10.577 ppbv

RT: 7.291 min Scan# 1458

Delta R.T. 0.003 min

Lab File: VL041681.D

Acq: 7 Nov 2024 14:51

Tgt Ion:130 Resp: 1018788

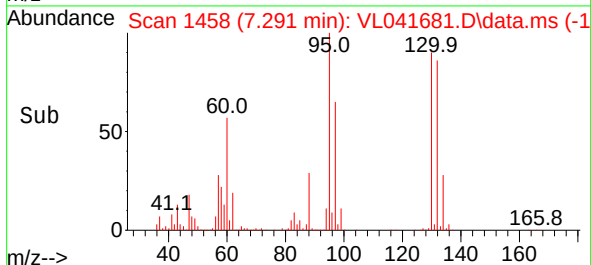
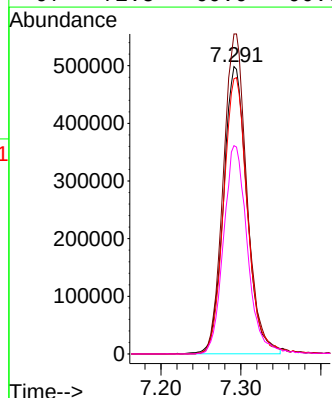
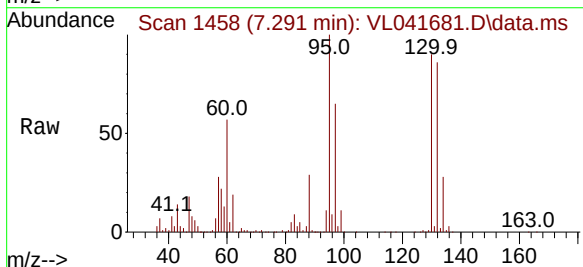
Ion Ratio Lower Upper

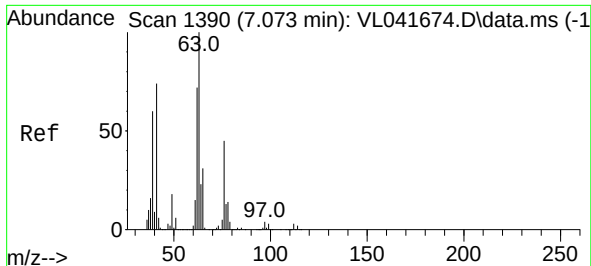
130 100

95 111.4 89.1 133.7

132 95.8 75.7 113.5

97 72.5 60.0 90.0





#39

1,2-Dichloropropane

Concen: 9.923 ppbv

RT: 7.073 min Scan# 14

Delta R.T. 0.000 min

Lab File: VL041681.D

Acq: 7 Nov 2024 14:51

Instrument :

MSVOA_L

ClientSampleId :

ICVVL110724

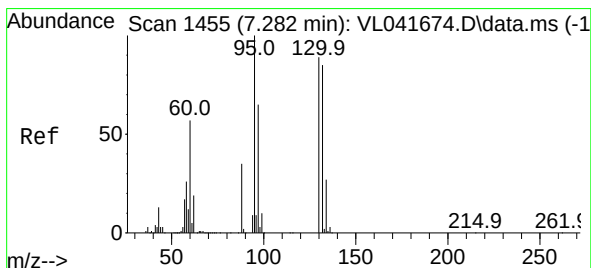
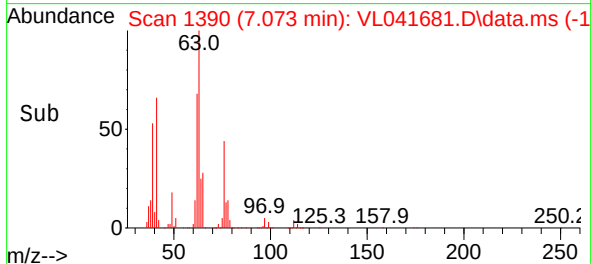
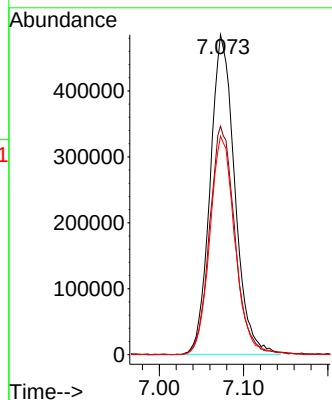
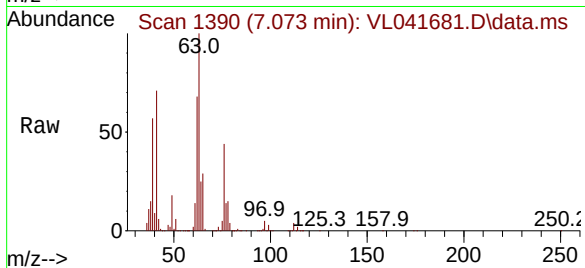
Tgt Ion: 63 Resp: 983477

Ion Ratio Lower Upper

63 100

41 71.4 59.1 88.7

62 68.3 57.7 86.5



#40

1,4-Dioxane

Concen: 10.579 ppbv

RT: 7.288 min Scan# 1457

Delta R.T. 0.006 min

Lab File: VL041681.D

Acq: 7 Nov 2024 14:51

Tgt Ion: 88 Resp: 376201

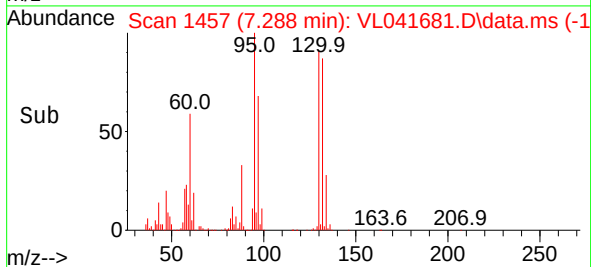
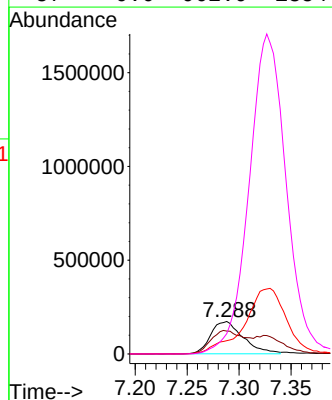
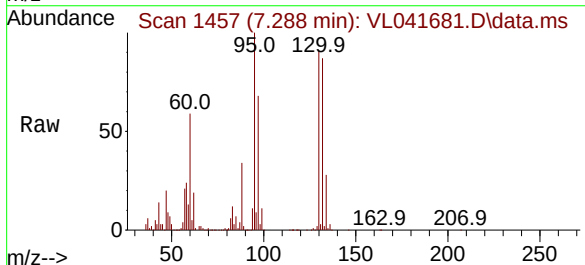
Ion Ratio Lower Upper

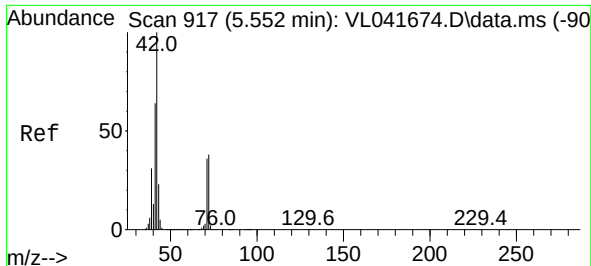
88 100

58 127.2 101.4 152.2

43 0.0 208.0 312.0#

57 0.0 902.9 1354.3#





#41

Tetrahydrofuran

Concen: 11.067 ppbv

RT: 5.555 min Scan# 917

Delta R.T. 0.003 min

Lab File: VL041681.D

Acq: 7 Nov 2024 14:51

Instrument :

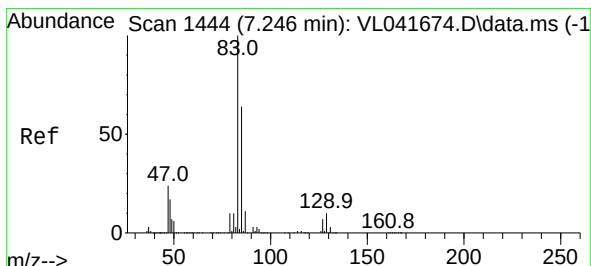
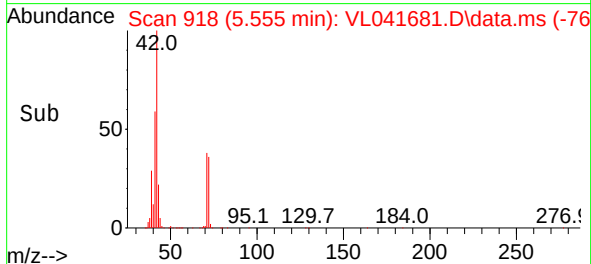
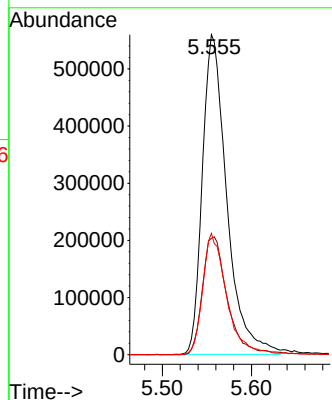
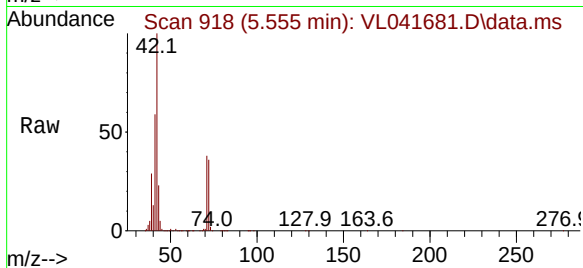
MSVOA_L

ClientSampleId :

ICVVL110724

Tgt Ion: 42 Resp: 1065202

Ion	Ratio	Lower	Upper
42	100		
72	37.9	29.8	44.6
71	37.5	29.4	44.2



#42

Bromodichloromethane

Concen: 10.002 ppbv

RT: 7.253 min Scan# 1446

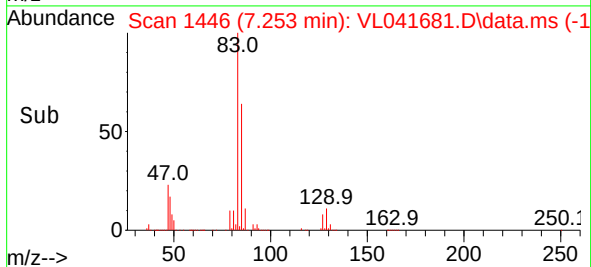
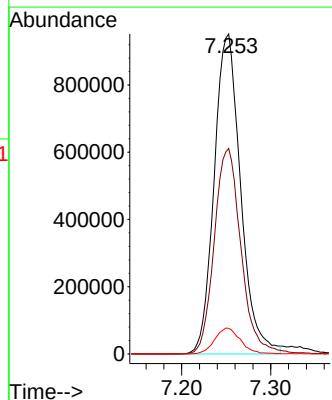
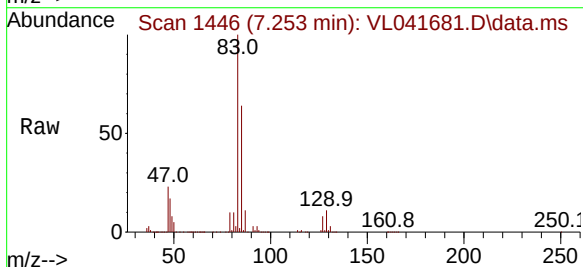
Delta R.T. 0.006 min

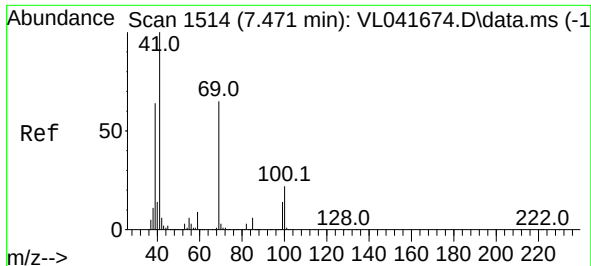
Lab File: VL041681.D

Acq: 7 Nov 2024 14:51

Tgt Ion: 83 Resp: 1966589

Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.2	76.8
127	8.0	6.0	9.0





#43

Methyl Methacrylate

Concen: 11.473 ppbv

RT: 7.475 min Scan# 1515

Delta R.T. 0.003 min

Lab File: VL041681.D

Acq: 7 Nov 2024 14:51

Instrument :

MSVOA_L

ClientSampleId :

ICVVL110724

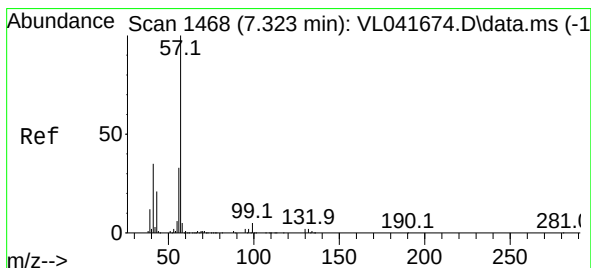
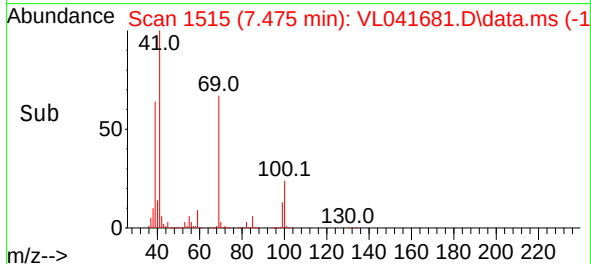
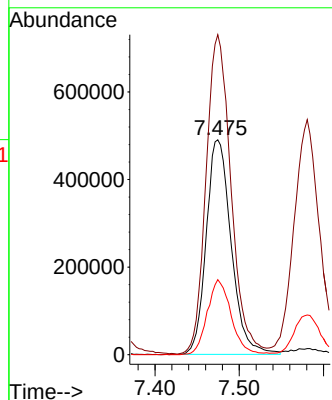
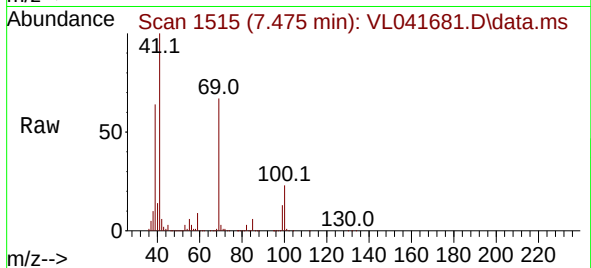
Tgt Ion: 69 Resp: 1010315

Ion Ratio Lower Upper

69 100

41 148.9 119.8 179.6

100 33.6 27.3 40.9



#44

2,2,4-Trimethylpentane

Concen: 10.012 ppbv

RT: 7.327 min Scan# 1469

Delta R.T. 0.003 min

Lab File: VL041681.D

Acq: 7 Nov 2024 14:51

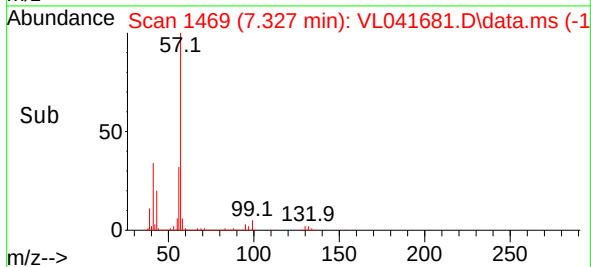
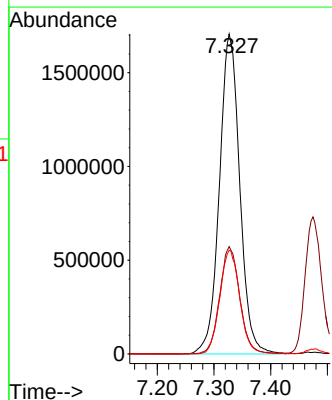
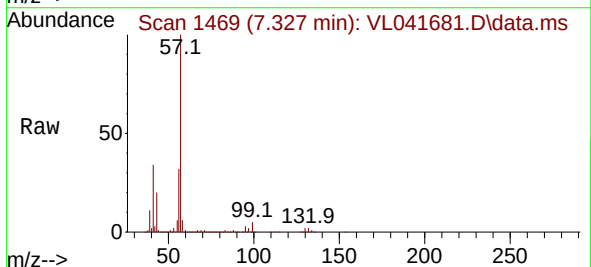
Tgt Ion: 57 Resp: 4253439

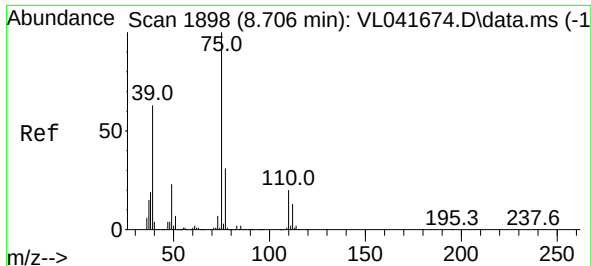
Ion Ratio Lower Upper

57 100

41 33.1 27.0 40.6

56 31.9 25.8 38.6





#45

t-1,3-Dichloropropene

Concen: 12.176 ppbv

RT: 8.712 min Scan# 1

Delta R.T. 0.006 min

Lab File: VL041681.D

Acq: 7 Nov 2024 14:51

Instrument :

MSVOA_L

ClientSampleId :

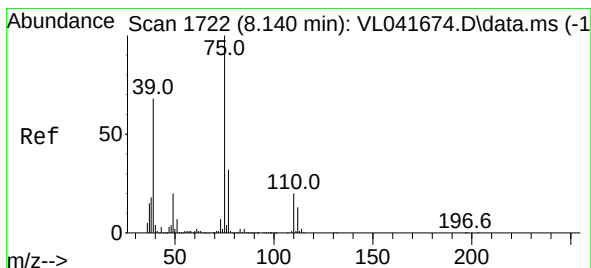
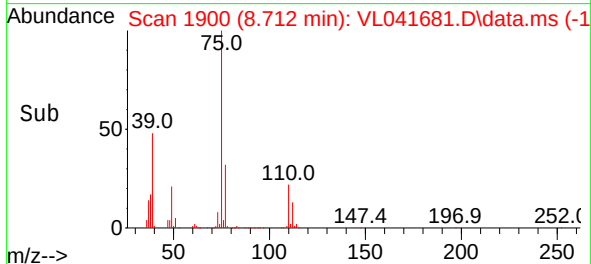
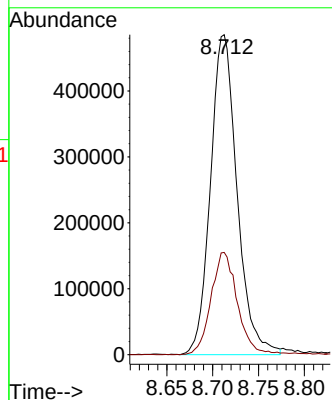
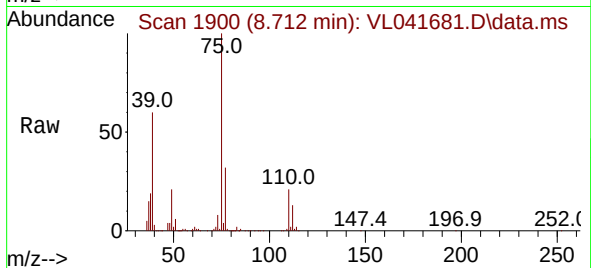
ICVVL110724

Tgt Ion: 75 Resp: 979763

Ion Ratio Lower Upper

75 100

77 32.0 24.7 37.1



#46

cis-1,3-Dichloropropene

Concen: 11.555 ppbv

RT: 8.143 min Scan# 1723

Delta R.T. 0.003 min

Lab File: VL041681.D

Acq: 7 Nov 2024 14:51

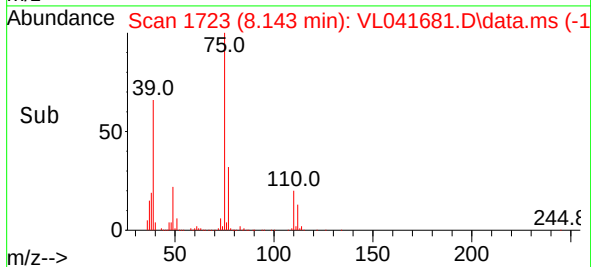
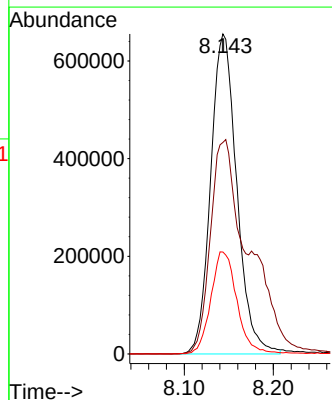
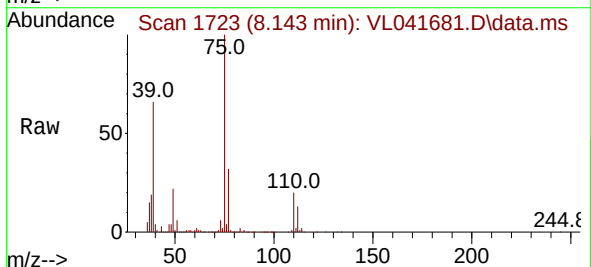
Tgt Ion: 75 Resp: 1335370

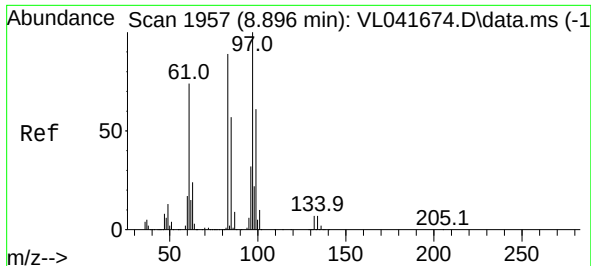
Ion Ratio Lower Upper

75 100

39 66.0 54.1 81.1

77 31.8 25.3 37.9





#47

1,1,2-Trichloroethane

Concen: 9.583 ppbv

RT: 8.899 min Scan# 1957

Delta R.T. 0.003 min

Lab File: VL041681.D

Acq: 7 Nov 2024 14:51

Instrument :

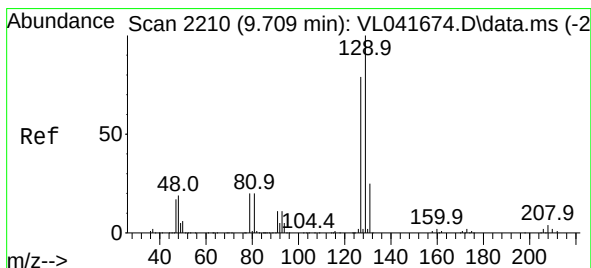
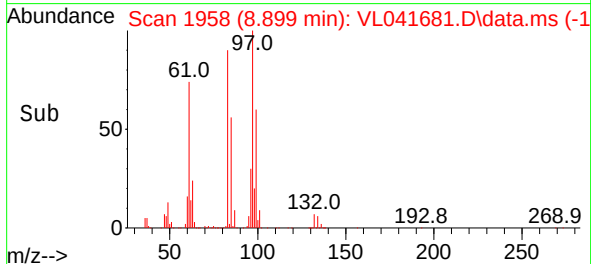
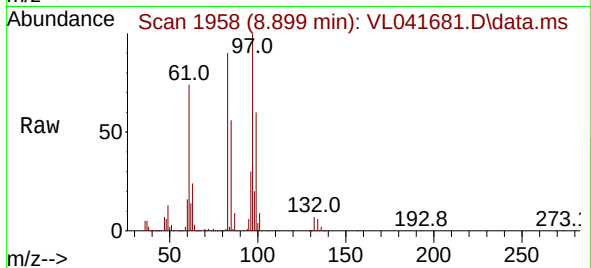
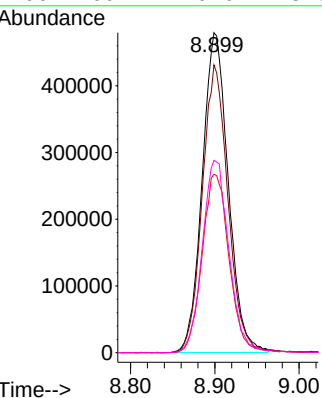
MSVOA_L

ClientSampleId :

ICVVL110724

Tgt Ion: 97 Resp: 1027960

Ion	Ratio	Lower	Upper
97	100		
83	89.9	71.0	106.6
85	55.8	45.4	68.2
99	60.1	49.0	73.6



#48

Dibromochloromethane

Concen: 10.410 ppbv

RT: 9.712 min Scan# 2211

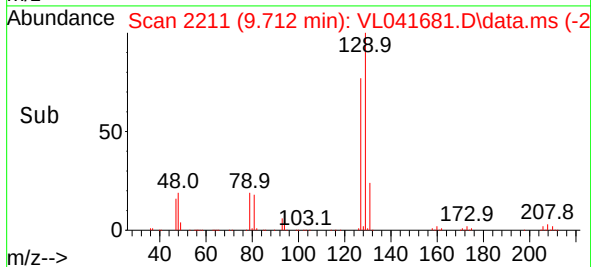
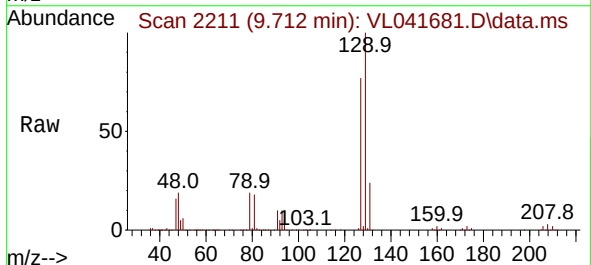
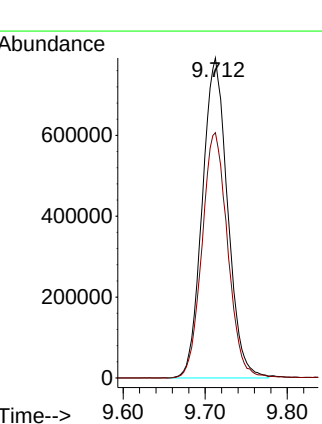
Delta R.T. 0.003 min

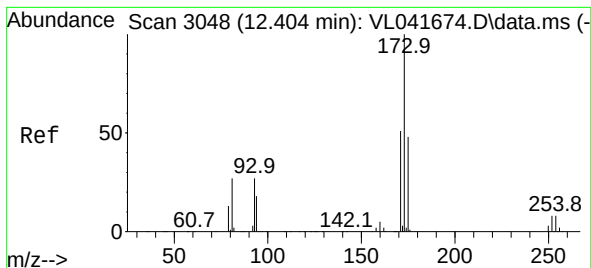
Lab File: VL041681.D

Acq: 7 Nov 2024 14:51

Tgt Ion: 129 Resp: 1697504

Ion	Ratio	Lower	Upper
129	100		
127	78.1	39.1	117.2





#49

Bromoform

Concen: 10.519 ppbv

RT: 12.410 min Scan# 3048

Delta R.T. 0.006 min

Lab File: VL041681.D

Acq: 7 Nov 2024 14:51

Instrument :

MSVOA_L

ClientSampleId :

ICVVL110724

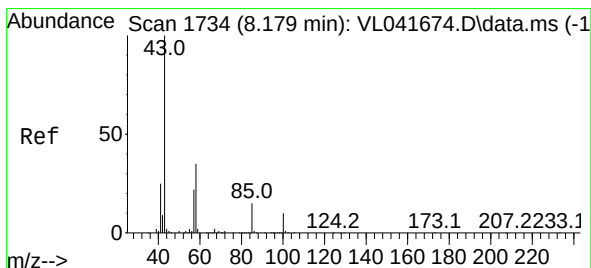
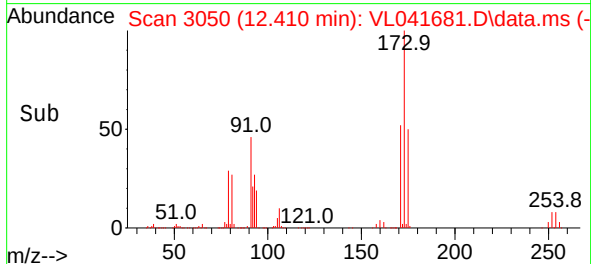
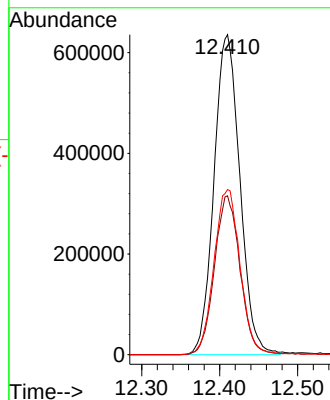
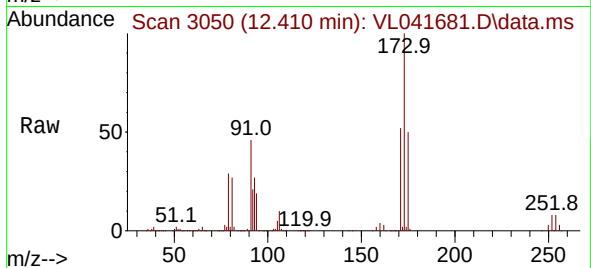
Tgt Ion:173 Resp: 1467565

Ion Ratio Lower Upper

173 100

175 49.4 39.2 58.8

171 52.4 41.7 62.5



#50

4-Methyl-2-Pentanone

Concen: 10.513 ppbv

RT: 8.182 min Scan# 1735

Delta R.T. 0.003 min

Lab File: VL041681.D

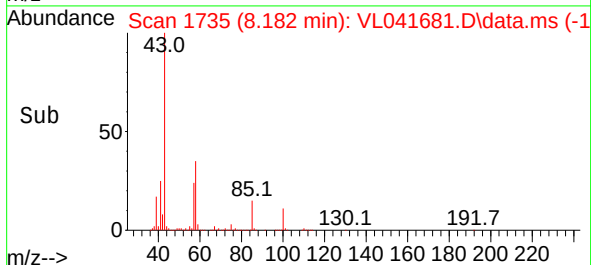
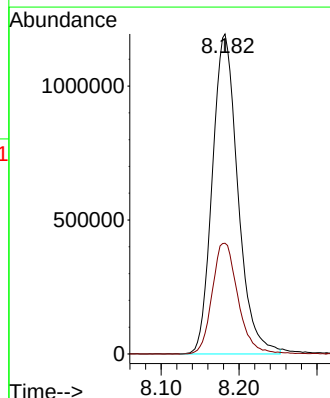
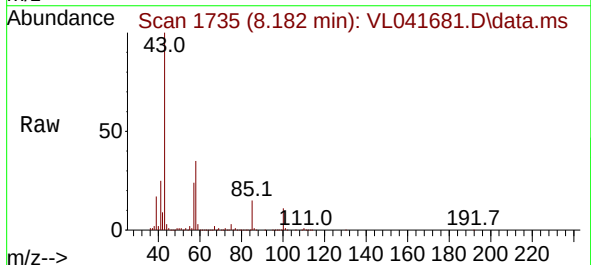
Acq: 7 Nov 2024 14:51

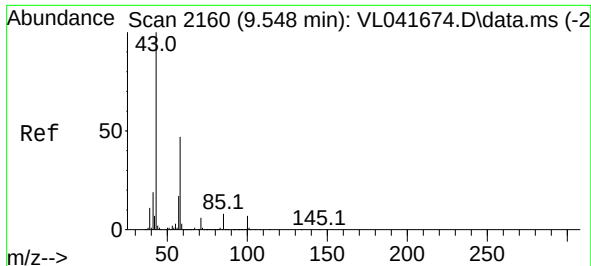
Tgt Ion: 43 Resp: 2720056

Ion Ratio Lower Upper

43 100

58 35.1 27.7 41.5

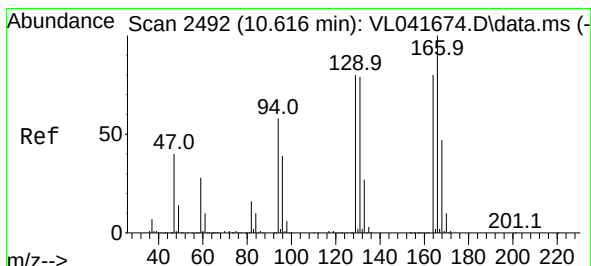
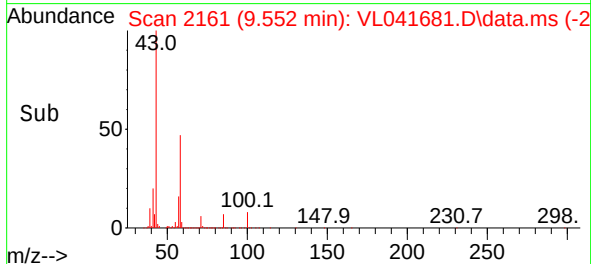
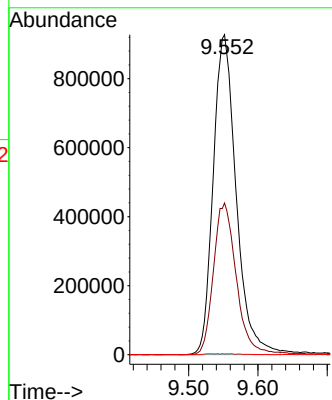
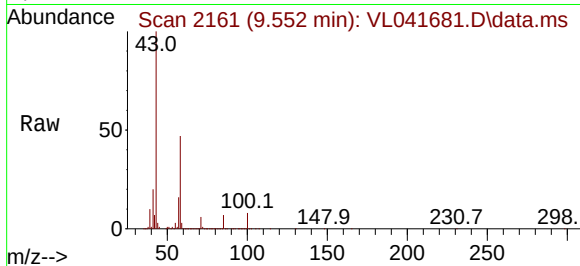




#51
2-Hexanone
Concen: 11.315 ppbv
RT: 9.552 min Scan# 2161
Delta R.T. 0.003 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

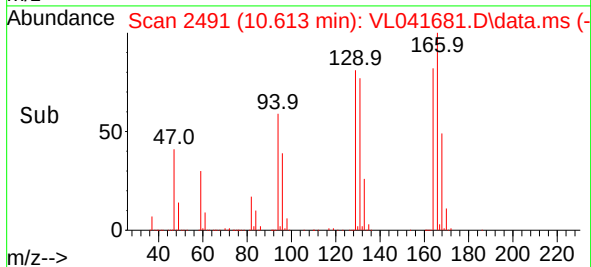
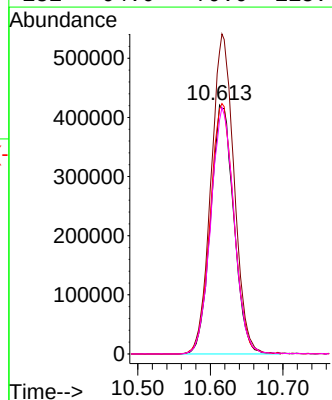
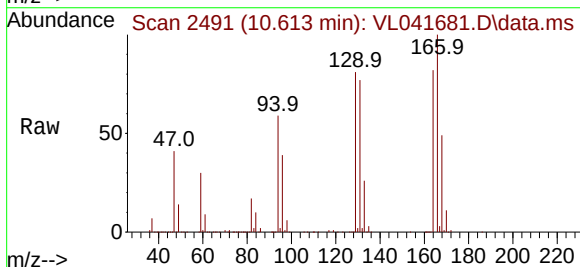
Instrument :
MSVOA_L
ClientSampleId :
ICVVL110724

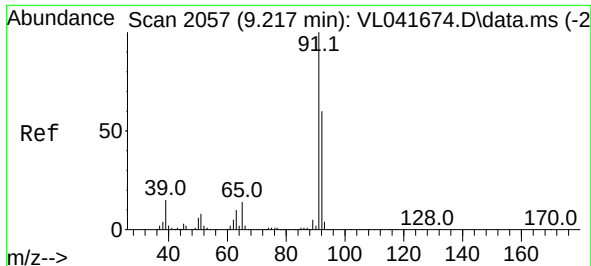
Tgt Ion: 43 Resp: 2131991
Ion Ratio Lower Upper
43 100
58 47.9 37.0 55.6
98 0.3 0.6 0.8#



#52
Tetrachloroethene
Concen: 10.901 ppbv
RT: 10.613 min Scan# 2491
Delta R.T. -0.003 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

Tgt Ion:164 Resp: 931693
Ion Ratio Lower Upper
164 100
166 121.3 100.2 150.4
129 98.3 79.7 119.5
131 94.0 79.0 118.4





#53

Toluene

Concen: 10.997 ppbv

RT: 9.220 min Scan# 2057

Delta R.T. 0.003 min

Lab File: VL041681.D

Acq: 7 Nov 2024 14:51

Instrument :

MSVOA_L

ClientSampleId :

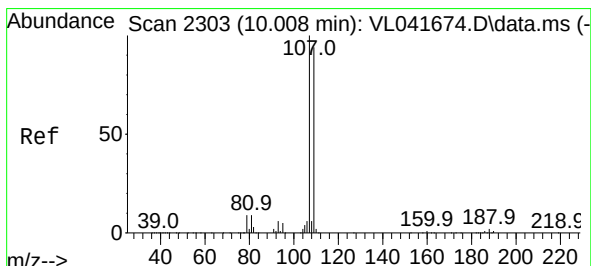
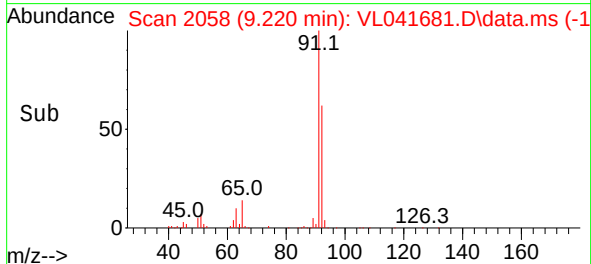
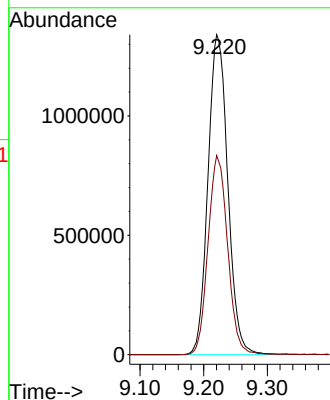
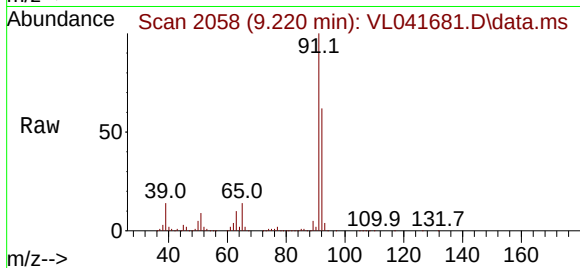
ICVVL110724

Tgt Ion: 91 Resp: 2900278

Ion Ratio Lower Upper

91 100

92 61.6 49.0 73.4



#54

1,2-Dibromoethane

Concen: 11.043 ppbv

RT: 10.011 min Scan# 2304

Delta R.T. 0.003 min

Lab File: VL041681.D

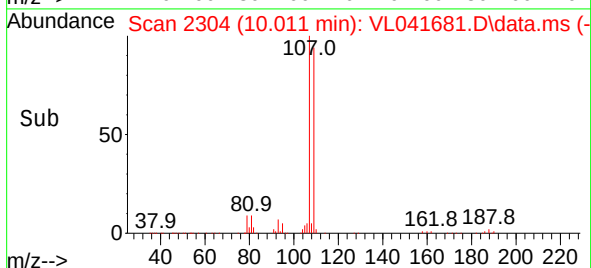
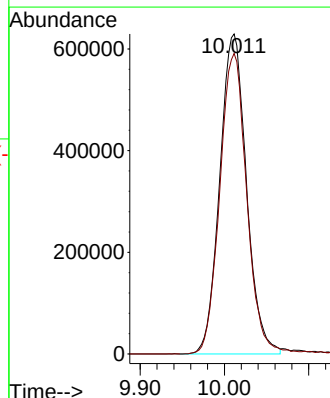
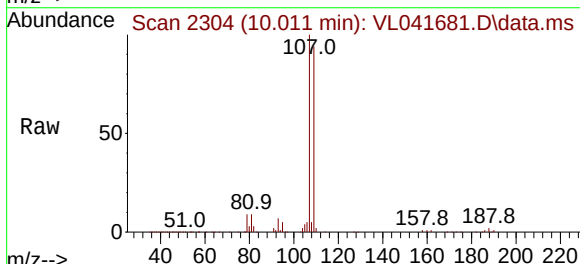
Acq: 7 Nov 2024 14:51

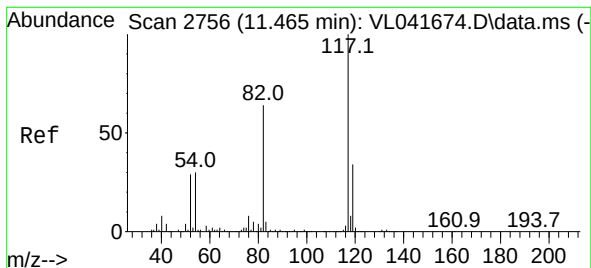
Tgt Ion:107 Resp: 1383939

Ion Ratio Lower Upper

107 100

109 93.9 74.9 112.3





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.468 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL041681.D

Acq: 7 Nov 2024 14:51

Instrument :

MSVOA_1

ClientSampleId :

ICVVL110724

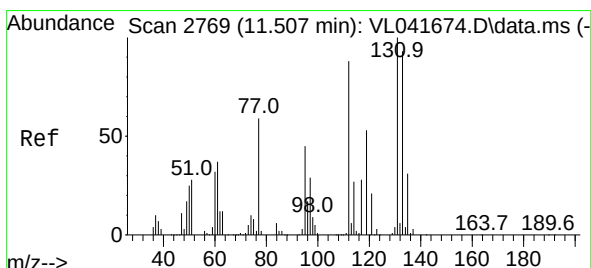
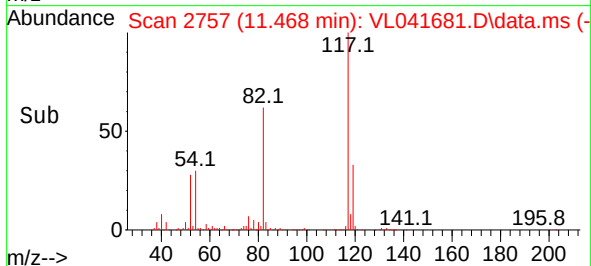
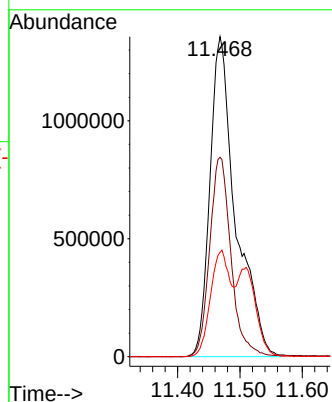
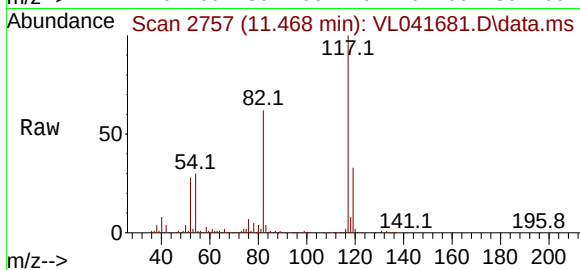
Tgt Ion:117 Resp: 3891746

Ion Ratio Lower Upper

117 100

82 51.9 49.8 74.8

119 26.0 24.2 36.4



#56

1,1,1,2-Tetrachloroethane

Concen: 7.778 ppbv

RT: 11.510 min Scan# 2770

Delta R.T. 0.003 min

Lab File: VL041681.D

Acq: 7 Nov 2024 14:51

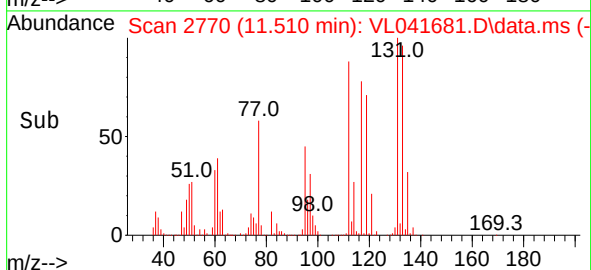
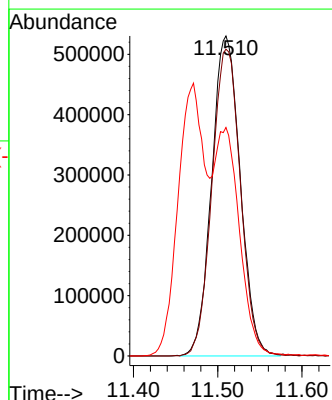
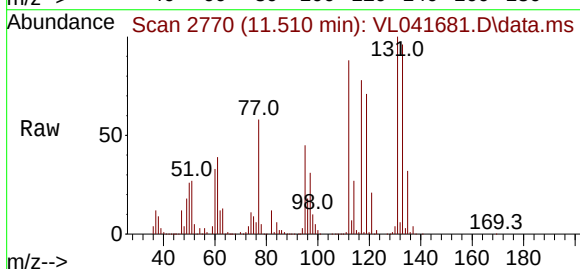
Tgt Ion:131 Resp: 1248422

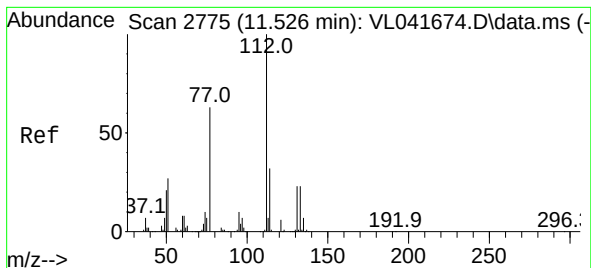
Ion Ratio Lower Upper

131 100

133 96.0 76.5 114.7

119 64.6 49.8 74.8

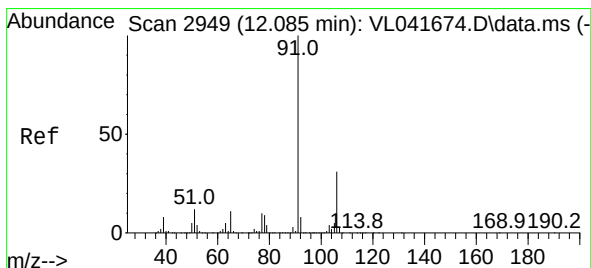
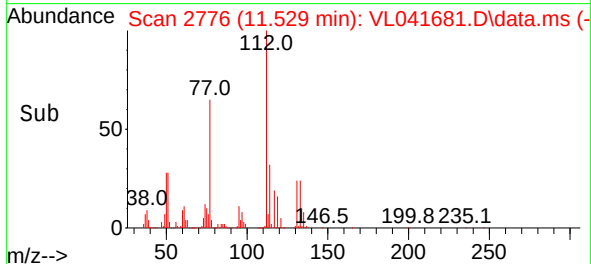
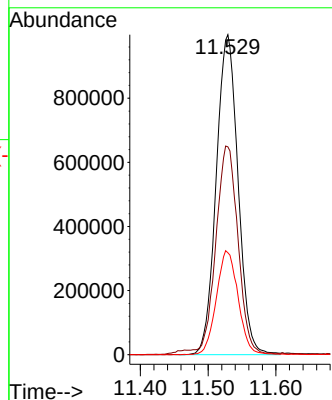
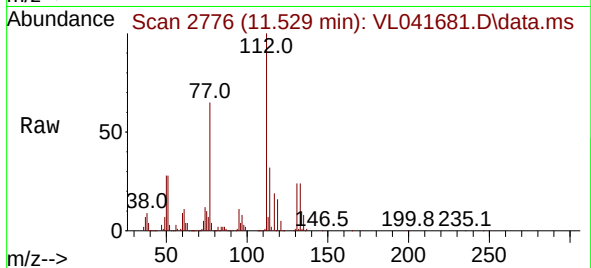




#57
Chlorobenzene
Concen: 7.772 ppbv
RT: 11.529 min Scan# 211
Delta R.T. 0.003 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

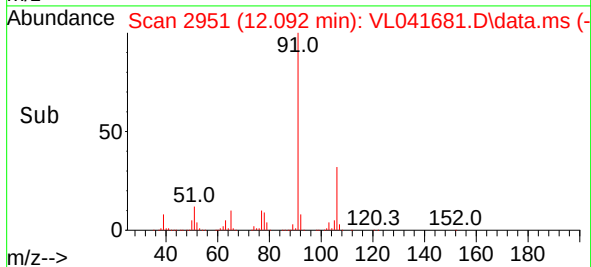
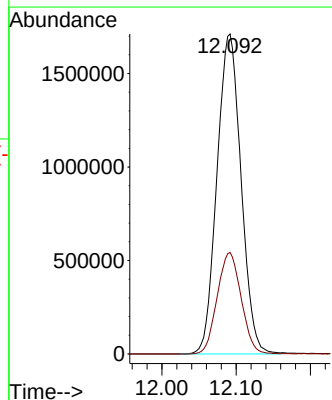
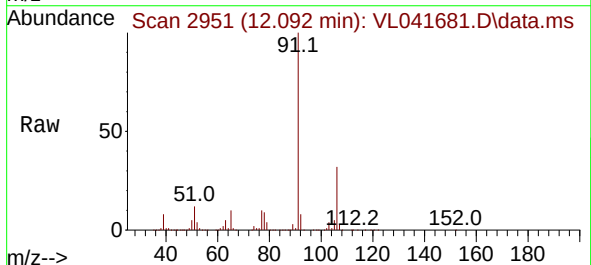
Instrument :
MSVOA_L
ClientSampleId :
ICVVL110724

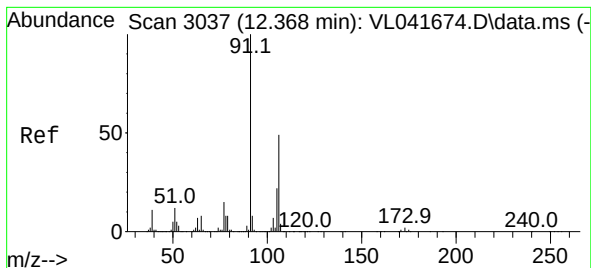
Tgt Ion:112 Resp: 2237120
Ion Ratio Lower Upper
112 100
77 64.7 51.4 77.2
114 31.8 28.4 34.8



#58
Ethyl Benzene
Concen: 9.037 ppbv
RT: 12.092 min Scan# 2951
Delta R.T. 0.006 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

Tgt Ion: 91 Resp: 3855683
Ion Ratio Lower Upper
91 100
106 31.7 24.9 37.3





#59

m/p-Xylene

Concen: 10.705 ppbv

RT: 12.375 min Scan# 3039

Delta R.T. 0.006 min

Lab File: VL041681.D

Acq: 7 Nov 2024 14:51

Instrument :

MSVOA_1

ClientSampleId :

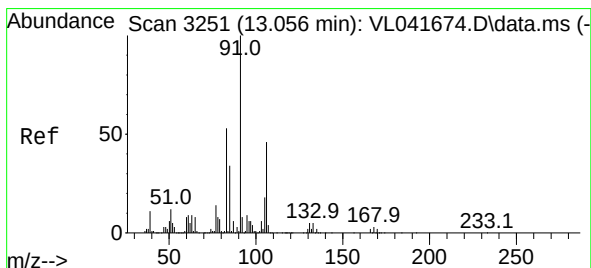
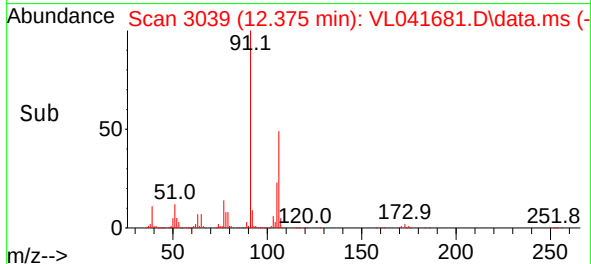
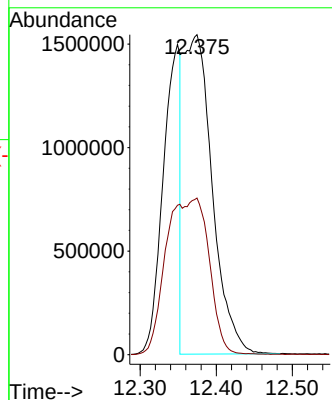
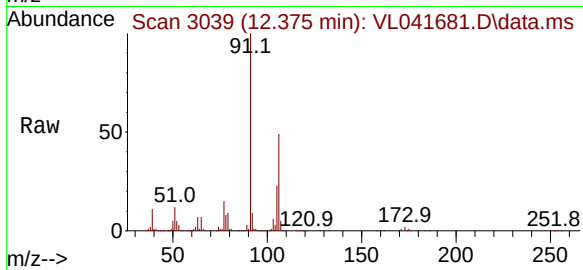
ICVVL110724

Tgt Ion: 91 Resp: 4090254

Ion Ratio Lower Upper

91 100

106 72.6 36.9 55.3#



#60

o-Xylene

Concen: 8.520 ppbv

RT: 13.060 min Scan# 3252

Delta R.T. 0.003 min

Lab File: VL041681.D

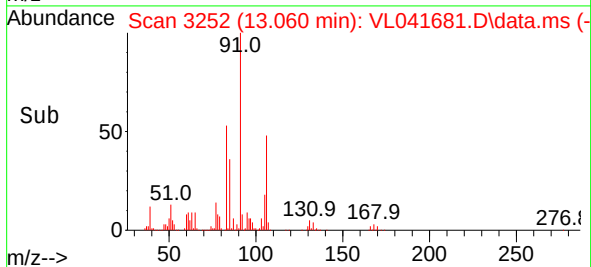
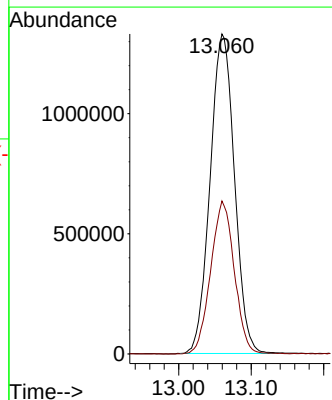
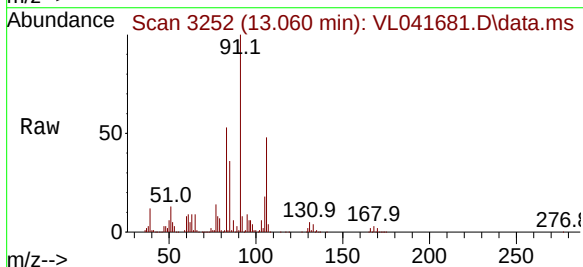
Acq: 7 Nov 2024 14:51

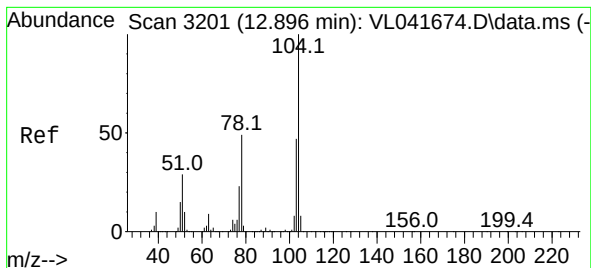
Tgt Ion: 91 Resp: 3103973

Ion Ratio Lower Upper

91 100

106 46.6 23.2 69.6





#61

Styrene

Concen: 10.214 ppbv

RT: 12.896 min Scan# 31

Delta R.T. 0.000 min

Lab File: VL041681.D

Acq: 7 Nov 2024 14:51

Instrument :

MSVOA_L

ClientSampleId :

ICVVL110724

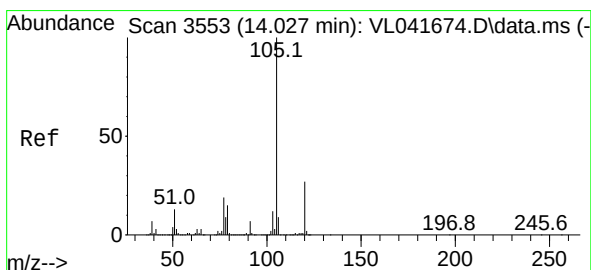
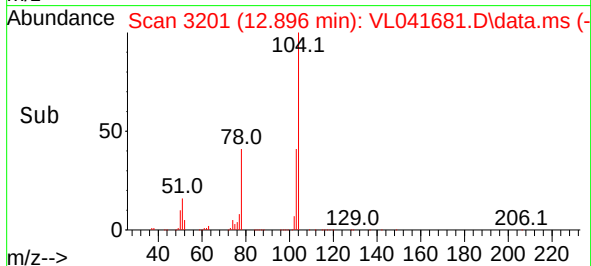
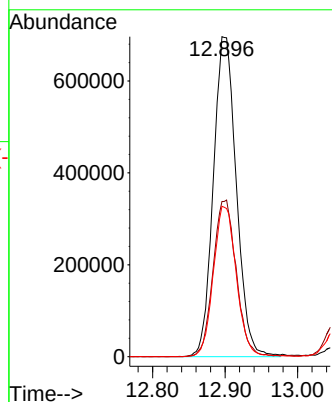
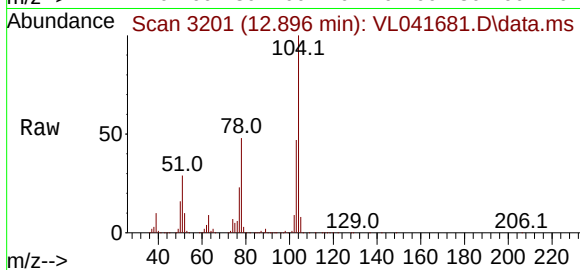
Tgt Ion:104 Resp: 1535856

Ion Ratio Lower Upper

104 100

78 49.5 39.8 59.8

103 47.1 37.4 56.0



#62

Isopropylbenzene

Concen: 8.185 ppbv

RT: 14.031 min Scan# 3554

Delta R.T. 0.003 min

Lab File: VL041681.D

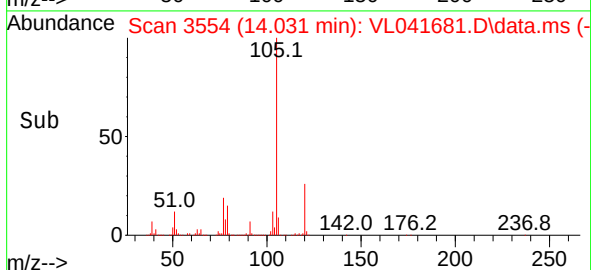
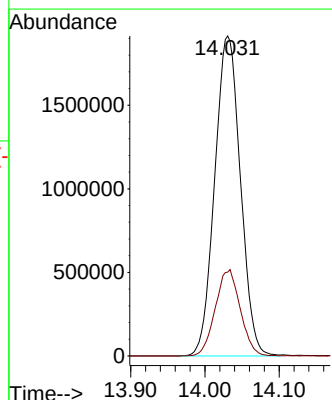
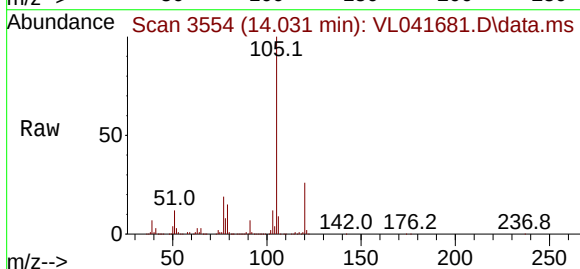
Acq: 7 Nov 2024 14:51

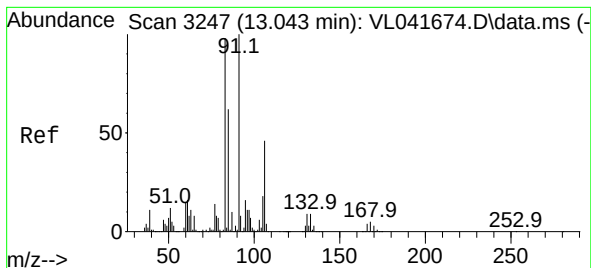
Tgt Ion:105 Resp: 4605291

Ion Ratio Lower Upper

105 100

120 26.2 21.1 31.7

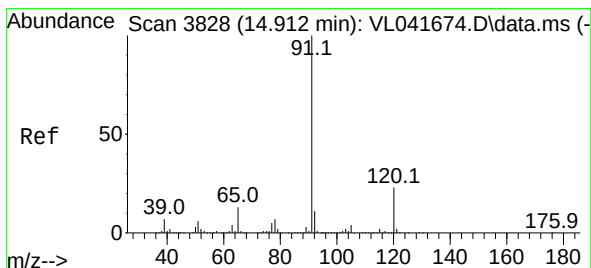
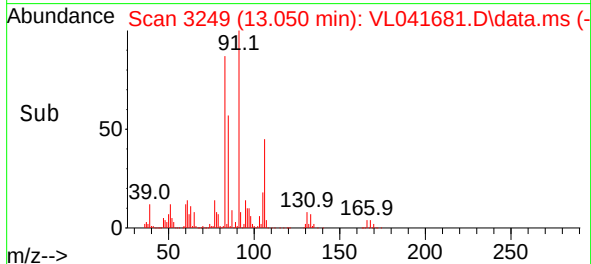
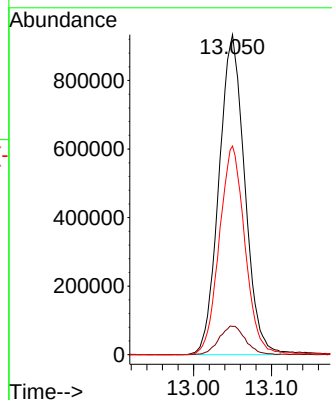
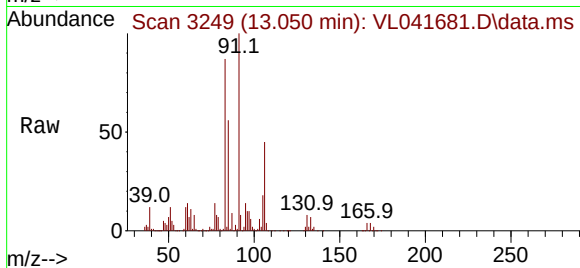




#63
1,1,2,2-Tetrachloroethane
Concen: 7.991 ppbv
RT: 13.050 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

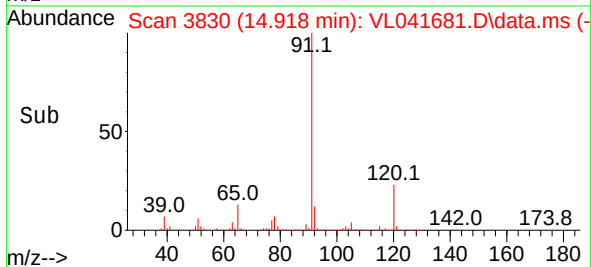
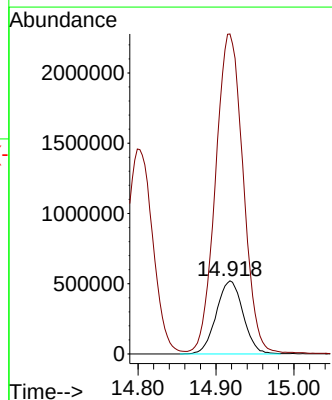
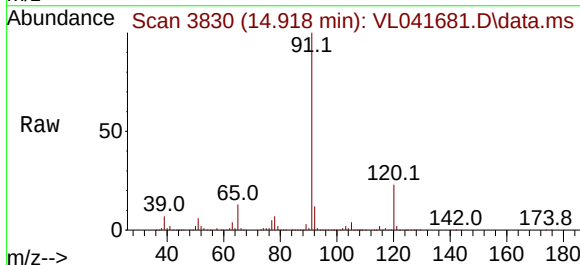
Instrument :
MSVOA_L
ClientSampleId :
ICVVL110724

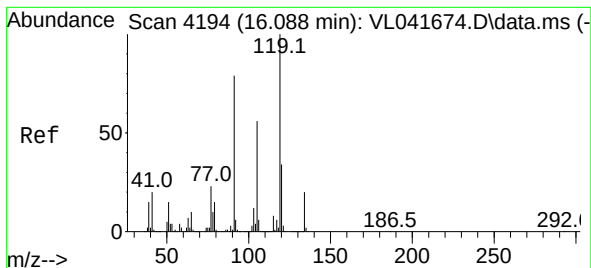
Tgt Ion: 83 Resp: 2141628
Ion Ratio Lower Upper
83 100
131 9.3 4.8 14.3
85 65.7 32.6 98.0



#64
n-propylbenzene
Concen: 8.434 ppbv
RT: 14.918 min Scan# 3830
Delta R.T. 0.006 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

Tgt Ion:120 Resp: 1242370
Ion Ratio Lower Upper
120 100
91 453.8 362.4 543.6





#65

tert-Butylbenzene

Concen: 8.163 ppbv

RT: 16.092 min Scan# 4194

Delta R.T. 0.003 min

Lab File: VL041681.D

Acq: 7 Nov 2024 14:51

Instrument :

MSVOA_L

ClientSampleId :

ICVVL110724

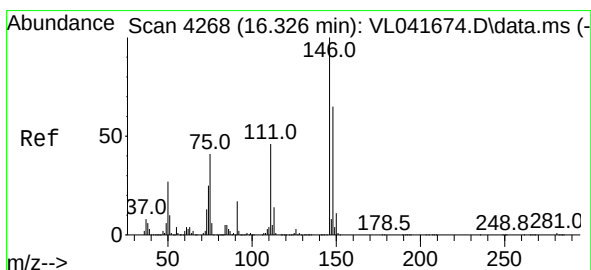
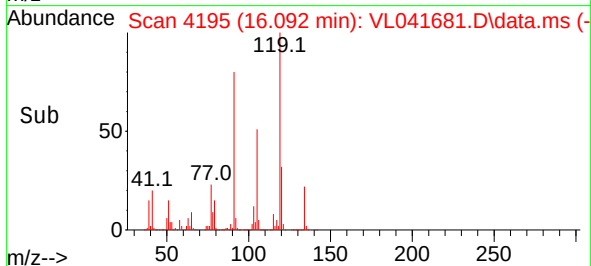
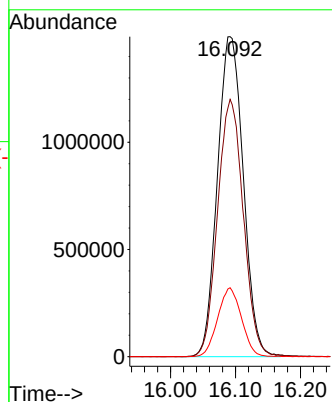
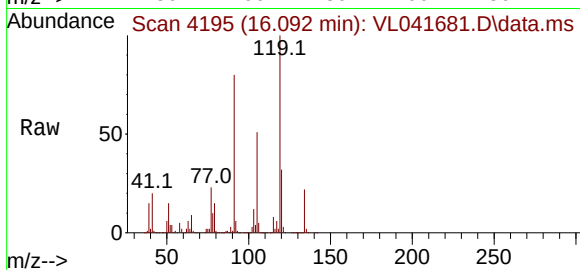
Tgt Ion:119 Resp: 4128160

Ion Ratio Lower Upper

119 100

91 80.0 64.3 96.5

134 19.9 15.8 23.8



#66

Benzyl Chloride

Concen: 8.572 ppbv

RT: 16.326 min Scan# 4268

Delta R.T. 0.000 min

Lab File: VL041681.D

Acq: 7 Nov 2024 14:51

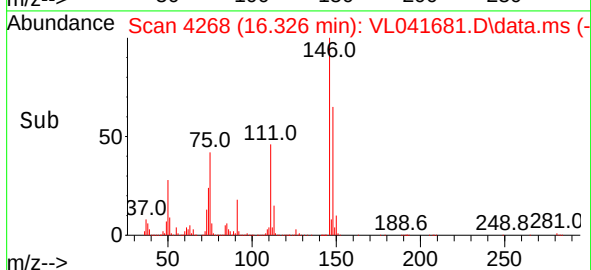
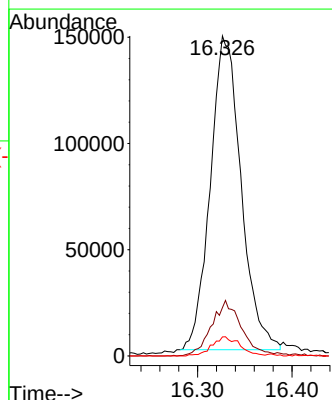
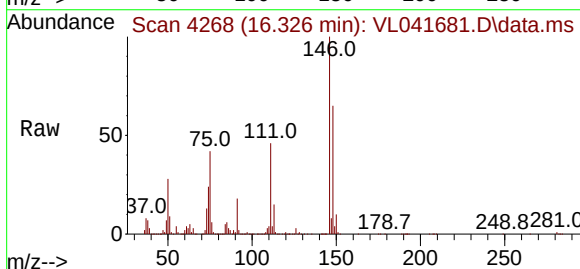
Tgt Ion: 91 Resp: 333479

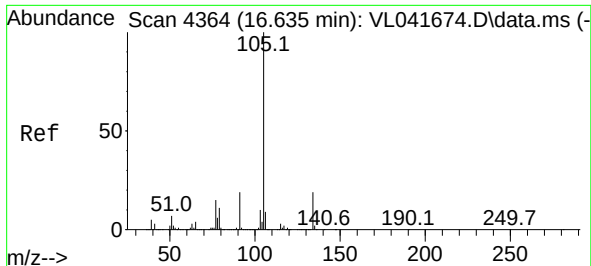
Ion Ratio Lower Upper

91 100

126 17.7 13.8 20.6

128 5.8 4.3 6.5





#67

sec-Butylbenzene

Concen: 8.097 ppbv

RT: 16.638 min Scan# 4364

Delta R.T. 0.003 min

Lab File: VL041681.D

Acq: 7 Nov 2024 14:51

Instrument :

MSVOA_L

ClientSampleId :

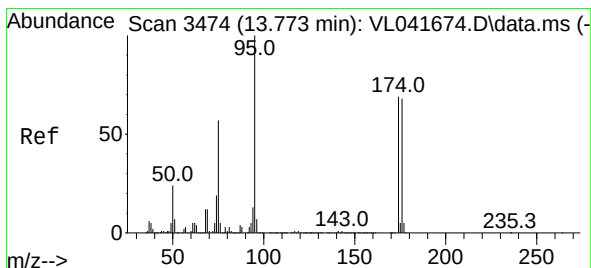
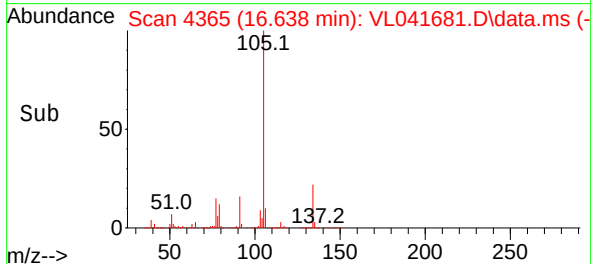
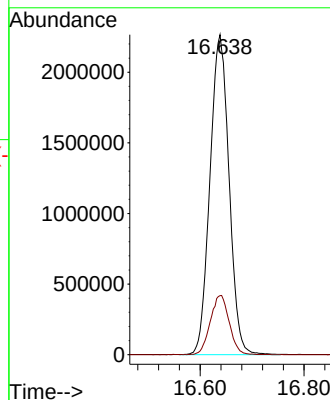
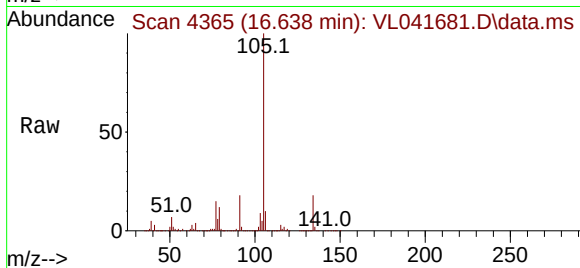
ICVVL110724

Tgt Ion:105 Resp: 5771671

Ion Ratio Lower Upper

105 100

134 18.4 14.6 22.0



#68

1-Bromo-4-Fluorobenzene

Concen: 8.316 ppbv

RT: 13.780 min Scan# 3476

Delta R.T. 0.006 min

Lab File: VL041681.D

Acq: 7 Nov 2024 14:51

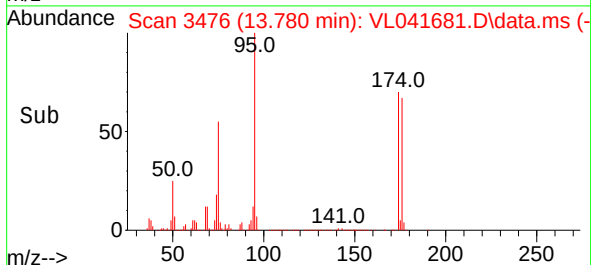
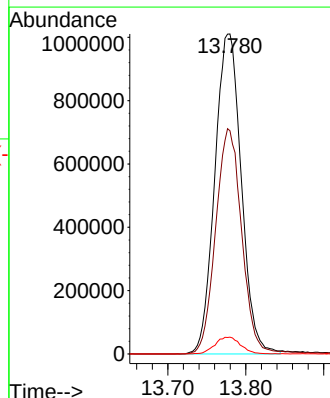
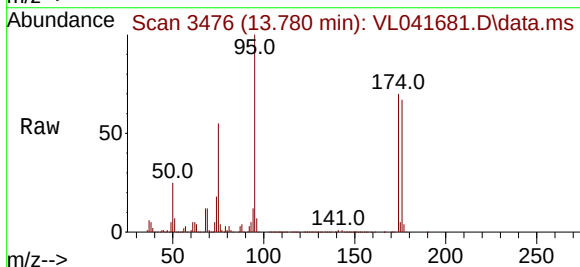
Tgt Ion: 95 Resp: 2384630

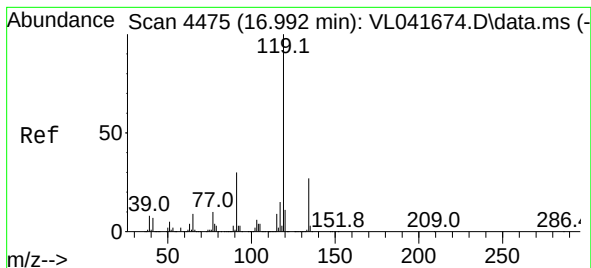
Ion Ratio Lower Upper

95 100

174 69.7 55.6 83.4

175 5.2 4.2 6.2





#69

p-Isopropyltoluene

Concen: 8.401 ppbv

RT: 16.998 min Scan# 4475

Delta R.T. 0.006 min

Lab File: VL041681.D

Acq: 7 Nov 2024 14:51

Instrument :

MSVOA_L

ClientSampleId :

ICVVL110724

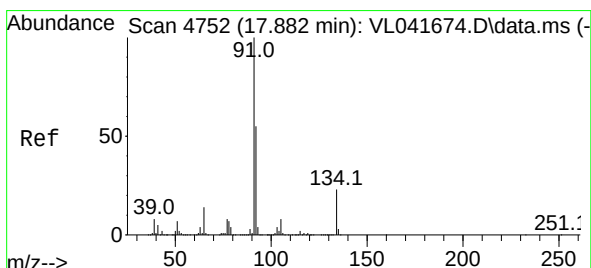
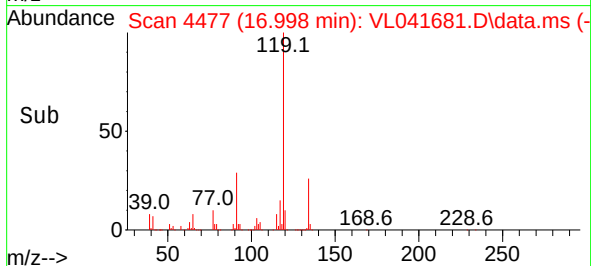
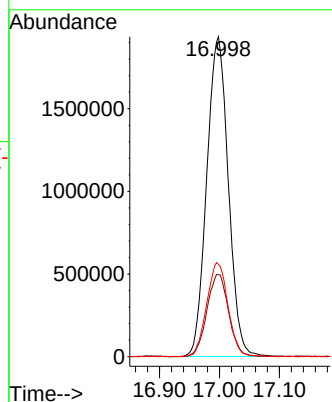
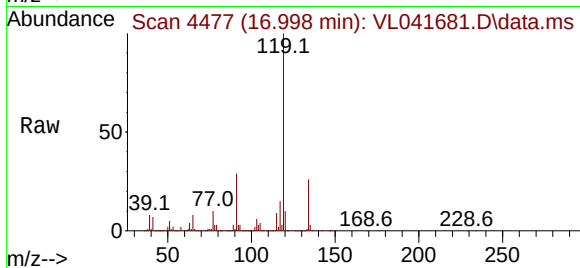
Tgt Ion:119 Resp: 4841188

Ion Ratio Lower Upper

119 100

134 25.9 20.8 31.2

91 29.0 23.2 34.8



#70

n-Butylbenzene

Concen: 8.415 ppbv

RT: 17.889 min Scan# 4754

Delta R.T. 0.006 min

Lab File: VL041681.D

Acq: 7 Nov 2024 14:51

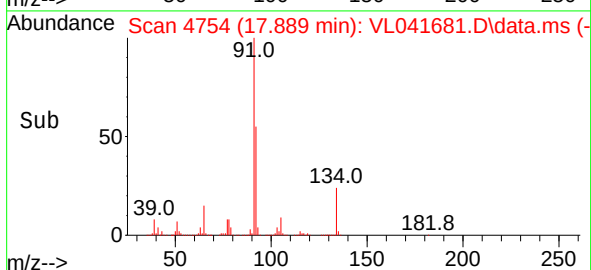
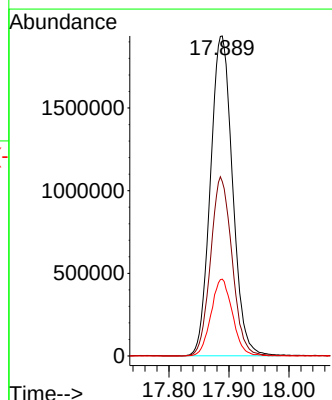
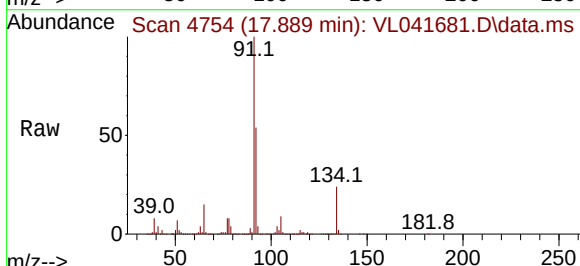
Tgt Ion: 91 Resp: 4961330

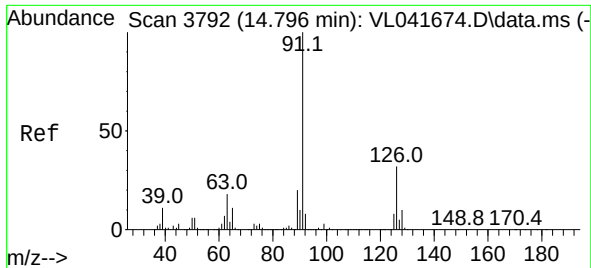
Ion Ratio Lower Upper

91 100

92 54.5 43.3 64.9

134 23.3 18.4 27.6

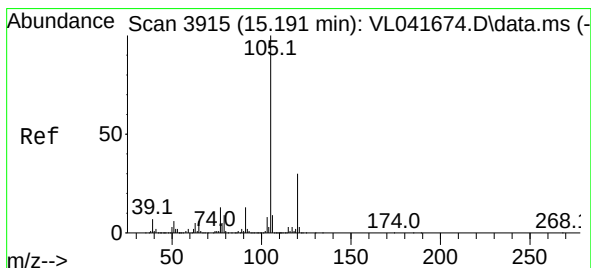
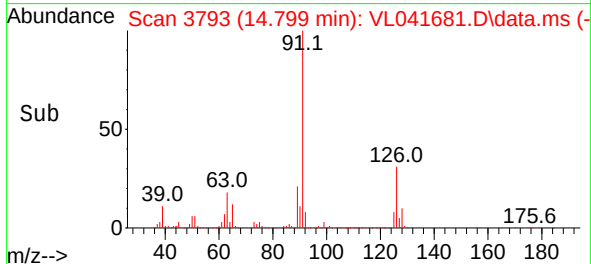
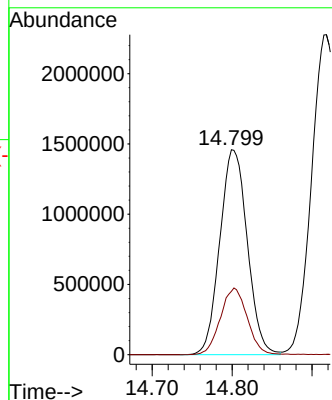
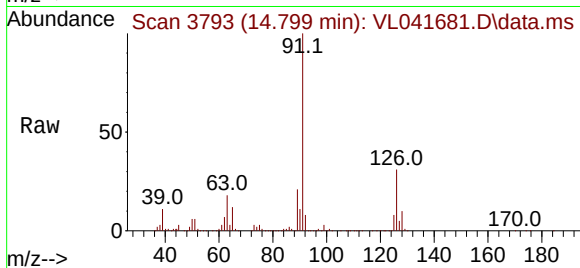




#71
2-Chlorotoluene
Concen: 8.551 ppbv
RT: 14.799 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

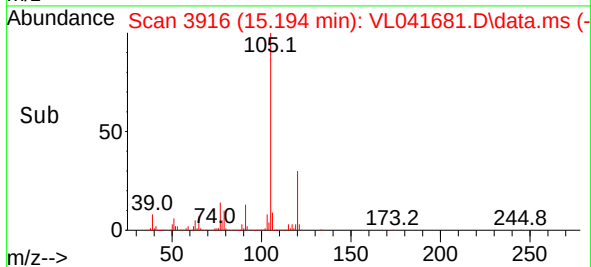
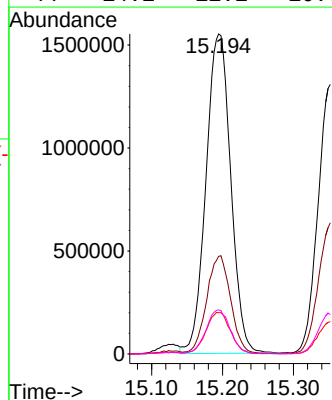
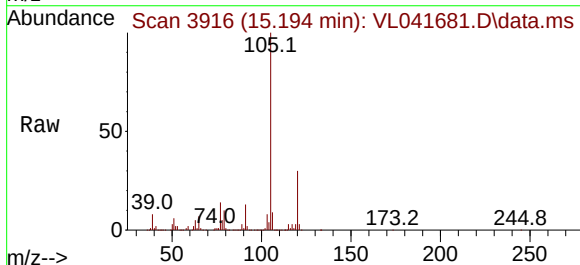
Instrument :
MSVOA_1
ClientSampleId :
ICVVL110724

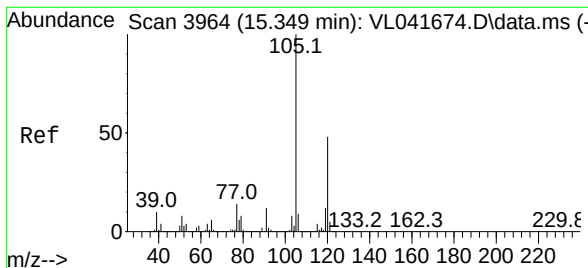
Tgt Ion: 91 Resp: 3477879
Ion Ratio Lower Upper
91 100
126 32.1 12.8 51.0



#72
4-Ethyltoluene
Concen: 8.890 ppbv
RT: 15.194 min Scan# 3916
Delta R.T. 0.003 min
Lab File: VL041681.D
Acq: 7 Nov 2024 14:51

Tgt Ion:105 Resp: 3765544
Ion Ratio Lower Upper
105 100
120 30.8 25.0 37.4
91 12.7 10.6 15.8
77 14.1 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 8.514 ppbv

RT: 15.352 min Scan# 3965

Delta R.T. 0.003 min

Lab File: VL041681.D

Acq: 7 Nov 2024 14:51

Instrument :

MSVOA_L

ClientSampleId :

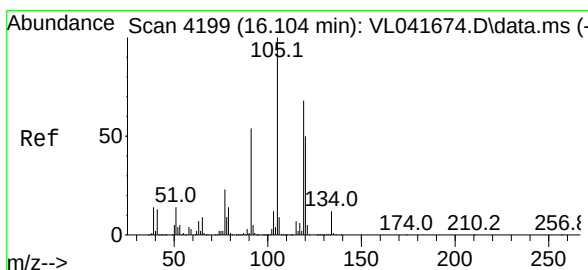
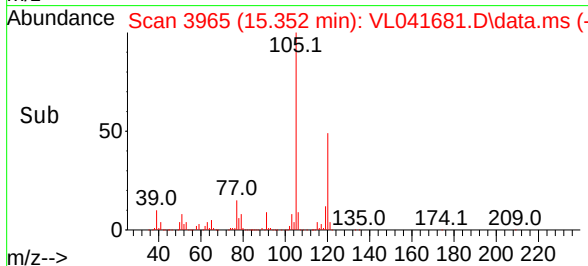
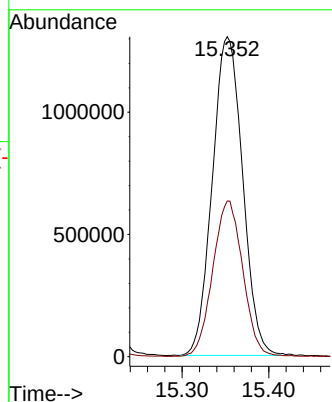
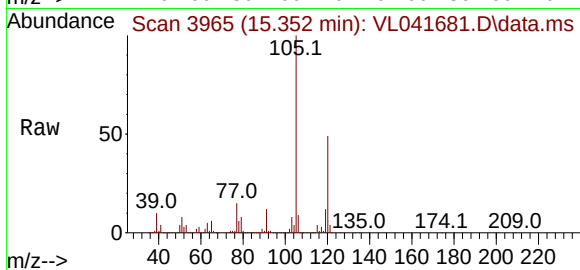
ICVVL110724

Tgt Ion:105 Resp: 3164645

Ion Ratio Lower Upper

105 100

120 48.7 38.4 57.6



#74

1,2,4-Trimethylbenzene

Concen: 8.129 ppbv

RT: 16.111 min Scan# 4201

Delta R.T. 0.006 min

Lab File: VL041681.D

Acq: 7 Nov 2024 14:51

Tgt Ion:105 Resp: 3509579

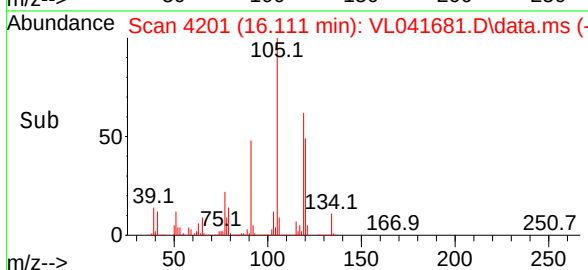
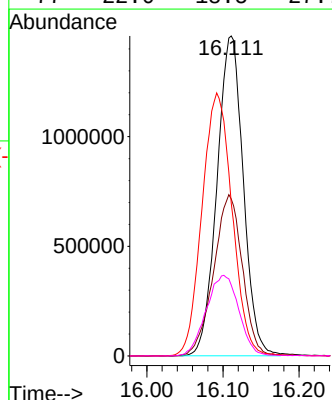
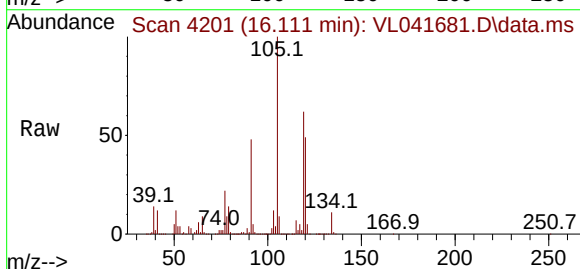
Ion Ratio Lower Upper

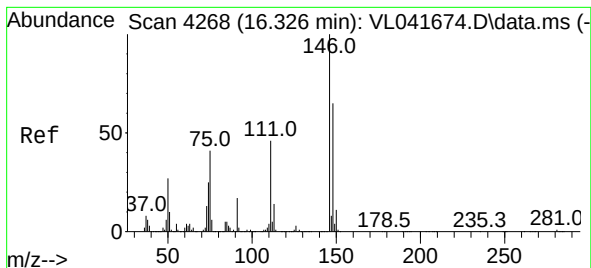
105 100

120 48.9 39.8 59.8

91 47.4 43.2 64.8

77 22.0 18.5 27.7





#75

1,3-Dichlorobenzene

Concen: 8.052 ppbv

RT: 16.333 min Scan# 4314

Delta R.T. 0.006 min

Lab File: VL041681.D

Acq: 7 Nov 2024 14:51

Instrument :

MSVOA_L

ClientSampleId :

ICVVL110724

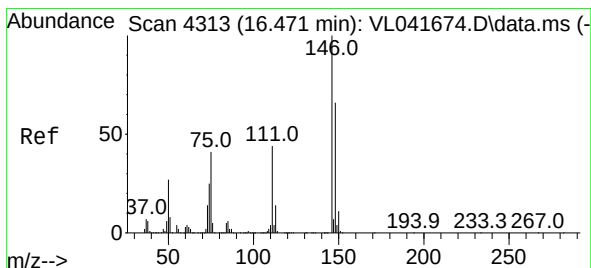
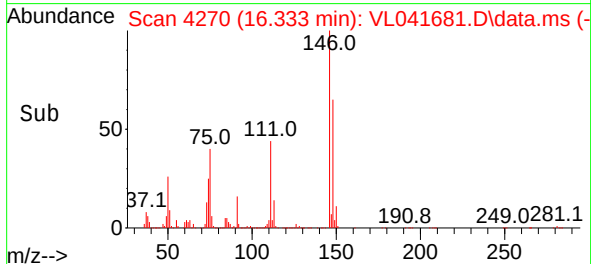
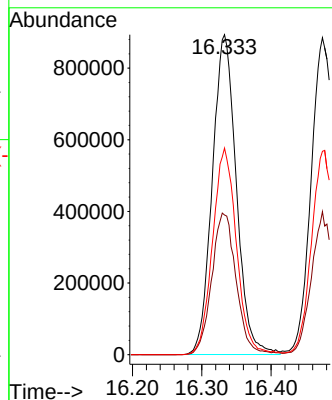
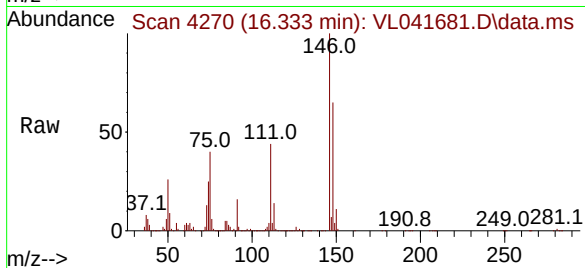
Tgt Ion:146 Resp: 2153016

Ion Ratio Lower Upper

146 100

111 45.1 22.8 68.3

148 64.3 32.4 97.0



#76

1,4-Dichlorobenzene

Concen: 8.093 ppbv

RT: 16.474 min Scan# 4314

Delta R.T. 0.003 min

Lab File: VL041681.D

Acq: 7 Nov 2024 14:51

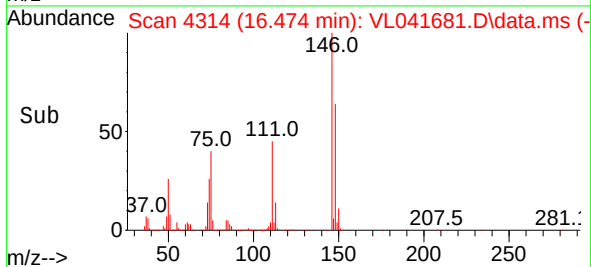
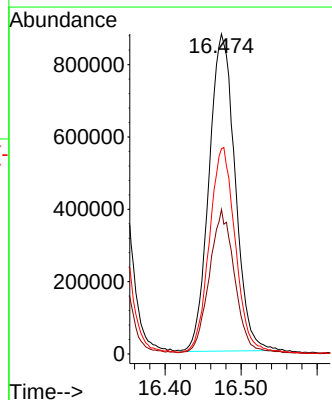
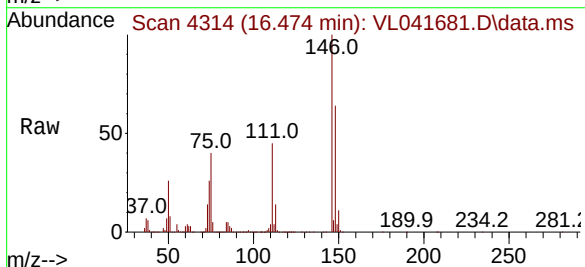
Tgt Ion:146 Resp: 2087766

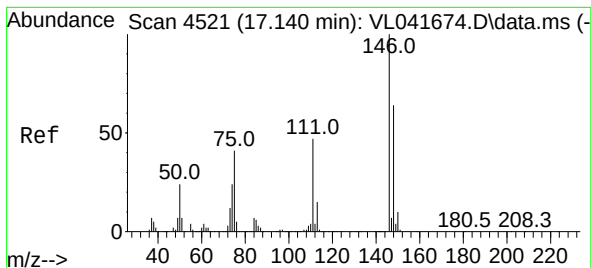
Ion Ratio Lower Upper

146 100

111 44.7 22.1 66.3

148 65.8 33.3 99.8





#77

1,2-Dichlorobenzene

Concen: 7.841 ppbv

RT: 17.146 min Scan# 4521

Delta R.T. 0.006 min

Lab File: VL041681.D

Acq: 7 Nov 2024 14:51

Instrument :

MSVOA_L

ClientSampleId :

ICVVL110724

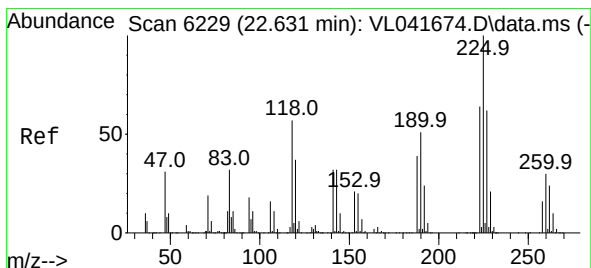
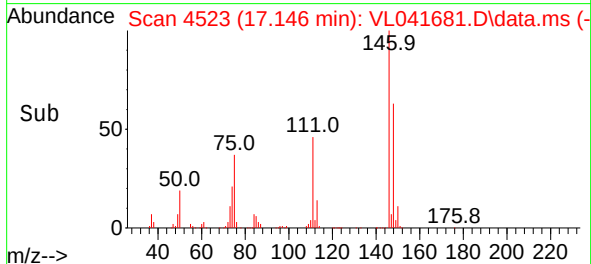
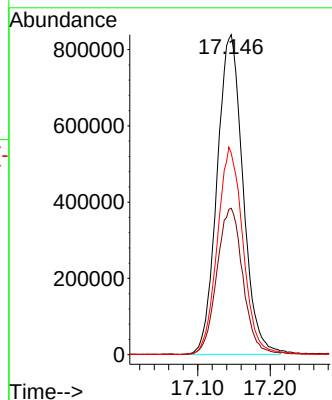
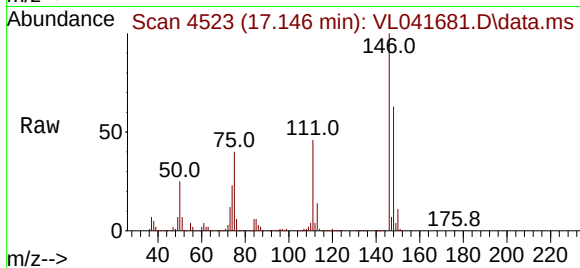
Tgt Ion:146 Resp: 2076942

Ion Ratio Lower Upper

146 100

111 0.0 23.4 70.3#

148 64.3 32.1 96.5



#78

Hexachloro-1,3-Butadiene

Concen: 6.591 ppbv

RT: 22.635 min Scan# 6230

Delta R.T. 0.003 min

Lab File: VL041681.D

Acq: 7 Nov 2024 14:51

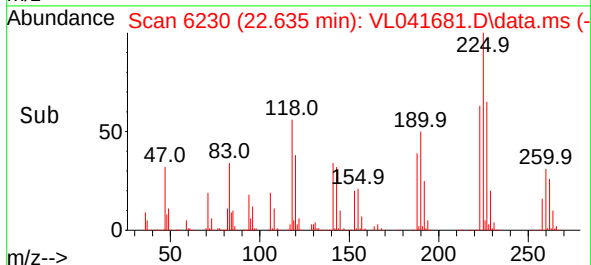
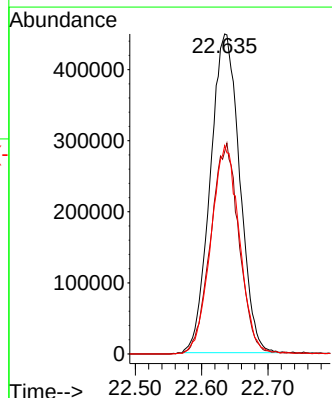
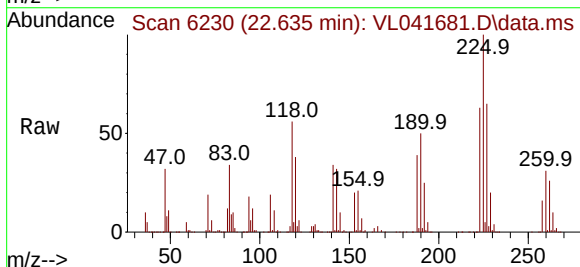
Tgt Ion:225 Resp: 1380777

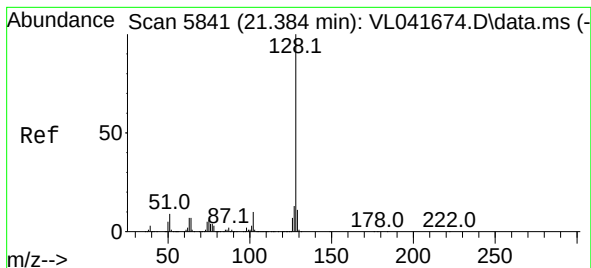
Ion Ratio Lower Upper

225 100

223 64.4 51.1 76.7

227 64.3 51.3 76.9





#79

Naphthalene

Concen: 10.332 ppbv

RT: 21.384 min Scan# 5841

Delta R.T. 0.000 min

Lab File: VL041681.D

Acq: 7 Nov 2024 14:51

Instrument :

MSVOA_L

ClientSampleId :

ICVVL110724

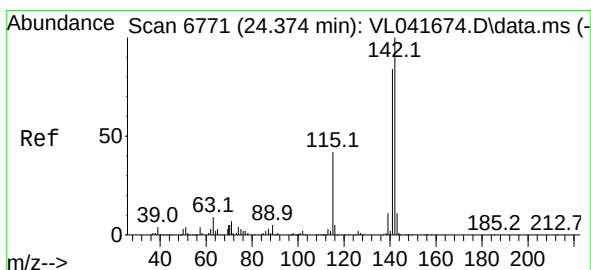
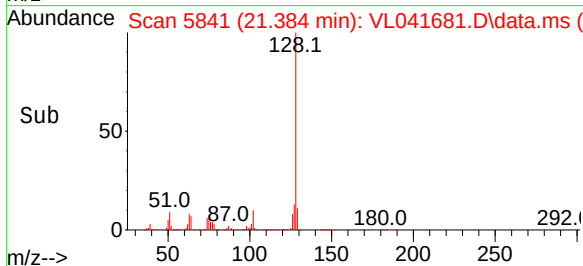
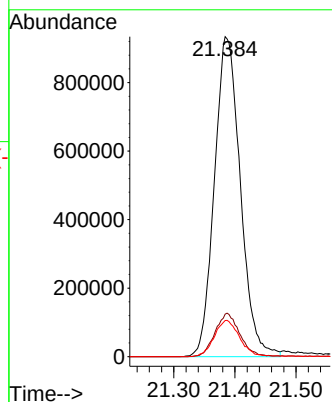
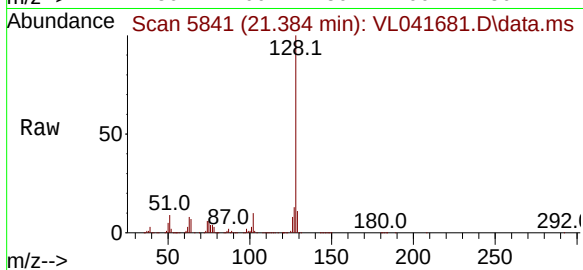
Tgt Ion:128 Resp: 2753473

Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

129 11.3 8.7 13.1



#80

Naphthalene,2-methyl-

Concen: 10.026 ppbv

RT: 24.374 min Scan# 6771

Delta R.T. 0.000 min

Lab File: VL041681.D

Acq: 7 Nov 2024 14:51

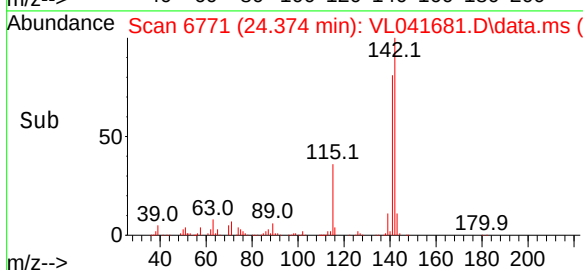
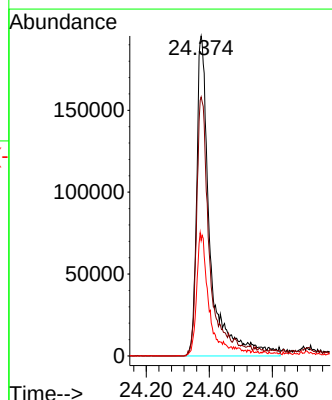
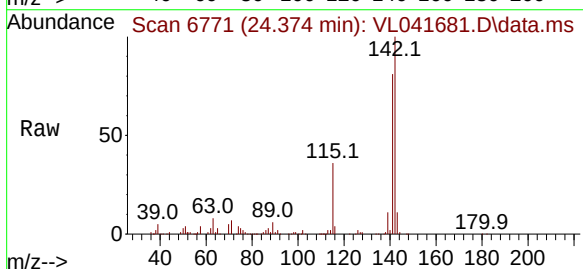
Tgt Ion:142 Resp: 582436

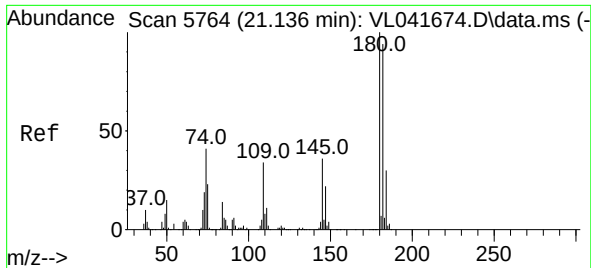
Ion Ratio Lower Upper

142 100

141 79.2 68.1 102.1

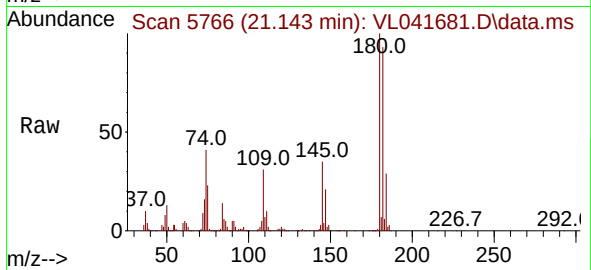
115 36.8 33.1 49.7





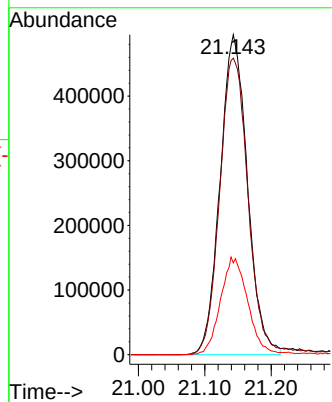
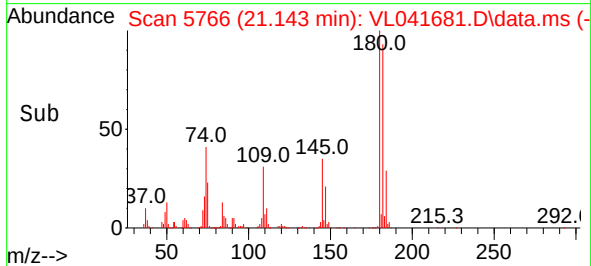
#81
 1,2,4-Trichlorobenzene
 Concen: 8.436 ppbv
 RT: 21.143 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VL041681.D
 Acq: 7 Nov 2024 14:51

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL110724



Tgt Ion:180 Resp: 1413820

Ion	Ratio	Lower	Upper
180	100		
182	97.5	78.2	117.2
184	31.2	25.0	37.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112024\
 Data File : VL041697.D
 Acq On : 20 Nov 2024 8:09
 Operator : SY/MD
 Sample : VSTDC0010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDC0010

Quant Time: Nov 21 05:07:41 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

QLast Update : Fri Nov 08 01:01:00 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.205	49	1123466	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.668	114	3154537	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.481	117	3151187	10.000	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.786	95	2309915	9.949	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.739	85	2140449	10.541	ppbv	99
3) Chlorodifluoromethane	2.684	51	1415484	9.670	ppbv	99
4) Chloromethane	2.822	50	765196	9.869	ppbv	97
5) Vinyl Chloride	2.931	62	741512	10.631	ppbv	98
6) Bromomethane	3.131	94	384455	10.391	ppbv	99
7) Chloroethane	3.208	64	262500	10.312	ppbv	99
8) Dichlorotetrafluoroethane	2.867	85	1772200	9.777	ppbv	99
9) Propene	2.703	41	632787	9.921	ppbv	99
10) Heptane	7.590	43	1565567	10.954	ppbv	100
11) Trichlorofluoromethane	3.575	101	1779018	10.058	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.076	101	1291192	10.044	ppbv	100
13) Ethanol	3.256	45	27249	6.977	ppbv	76
14) Bromoethene	3.375	108	532947	10.312	ppbv	97
15) Acetone	3.478	43	1367331	9.889	ppbv	100
16) 1,3-Butadiene	2.996	39	749348	10.741	ppbv	98
17) tert-Butyl alcohol	3.890	59	1234931	10.178	ppbv	100
18) 1,1-Dichloroethene	3.890	96	587002	10.411	ppbv	96
19) Isopropyl Alcohol	3.587	45	676609	10.238	ppbv	98
20) Methylene Chloride	3.944	84	485339	9.539	ppbv	97
21) Allyl Chloride	4.009	41	920766	10.777	ppbv	99
22) trans-1,2-Dichloroethene	4.459	96	595977	10.631	ppbv	97
23) Vinyl Acetate	4.639	43	635436	10.425	ppbv	98
24) 1,1-Dichloroethane	4.574	63	1289373	10.304	ppbv	99
25) Ethyl Acetate	5.214	43	2953915	10.321	ppbv	100
26) Hexane	5.224	57	1161873	10.567	ppbv	99
27) Carbon Disulfide	4.134	76	1447099	11.714	ppbv	100
28) Methyl tert-Butyl Ether	4.597	73	696845	9.841	ppbv	99
29) Chloroform	5.288	83	1838047	10.127	ppbv	99
30) Cyclohexane	6.616	84	996570	10.644	ppbv	98
31) cis-1,2-Dichloroethene	5.092	61	1122533	10.612	ppbv	98
32) 1,1,1-Trichloroethane	6.015	97	1767346	10.673	ppbv	99
34) 2-Butanone	4.796	43	1528409	9.731	ppbv	99
35) Carbon Tetrachloride	6.507	117	1867710	11.222	ppbv	99
36) Benzene	6.385	78	2472710	10.579	ppbv	97
37) 1,2-Dichloroethane	5.819	62	1372788	10.411	ppbv	99
38) Trichloroethene	7.304	130	1003555	11.179	ppbv	98
39) 1,2-Dichloropropane	7.089	63	955590	10.346	ppbv	97
40) 1,4-Dioxane	7.298	88	365570	11.031	ppbv	97
41) Tetrahydrofuran	5.568	42	989840	11.035	ppbv	100
42) Bromodichloromethane	7.262	83	1959114	10.692	ppbv	99
43) Methyl Methacrylate	7.488	69	946899	11.538	ppbv	98
44) 2,2,4-Trimethylpentane	7.340	57	4173715	10.542	ppbv	100
45) t-1,3-Dichloropropene	8.725	75	949613	12.663	ppbv	98

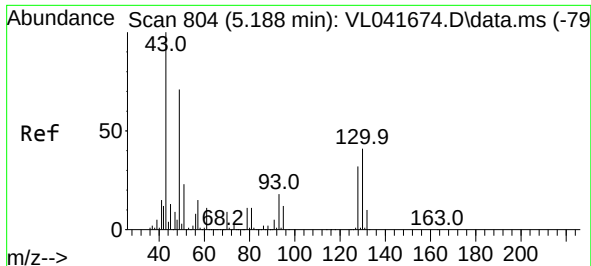
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112024\
 Data File : VL041697.D
 Acq On : 20 Nov 2024 8:09
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Nov 21 05:07:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Nov 08 01:01:00 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.156	75	1284127	11.922	ppbv	99
47) 1,1,2-Trichloroethane	8.915	97	1022170	10.225	ppbv	98
48) Dibromochloromethane	9.725	129	1691178	11.129	ppbv	99
49) Bromoform	12.420	173	1497113	11.514	ppbv	99
50) 4-Methyl-2-Pentanone	8.192	43	2640409	10.950	ppbv	99
51) 2-Hexanone	9.561	43	2067266	11.773	ppbv	100
52) Tetrachloroethene	10.629	164	902967	11.336	ppbv	98
53) Toluene	9.233	91	2828799	11.509	ppbv	100
54) 1,2-Dibromoethane	10.024	107	1372700	11.753	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.523	131	1283659	9.877	ppbv	100
57) Chlorobenzene	11.539	112	2247475	9.643	ppbv	98
58) Ethyl Benzene	12.102	91	3843108	11.125	ppbv	99
59) m/p-Xylene	12.384	91	3461250	11.188	ppbv #	38
60) o-Xylene	13.073	91	3175724	10.765	ppbv	99
61) Styrene	12.909	104	1525338	12.528	ppbv	99
62) Isopropylbenzene	14.044	105	4683267	10.279	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.060	83	2214634	10.206	ppbv	99
64) n-propylbenzene	14.931	120	1265758	10.613	ppbv	99
65) tert-Butylbenzene	16.101	119	4189774	10.232	ppbv	100
66) Benzyl Chloride	16.342	91	370716	11.768	ppbv	99
67) sec-Butylbenzene	16.648	105	5882804	10.193	ppbv	99
69) p-Isopropyltoluene	17.008	119	4911348	10.526	ppbv	100
70) n-Butylbenzene	17.899	91	5076678	10.634	ppbv	100
71) 2-Chlorotoluene	14.812	91	3541658	10.754	ppbv	100
72) 4-Ethyltoluene	15.204	105	3768131	10.987	ppbv	99
73) 1,3,5-Trimethylbenzene	15.362	105	3230569	10.734	ppbv	100
74) 1,2,4-Trimethylbenzene	16.121	105	3599066	10.295	ppbv	98
75) 1,3-Dichlorobenzene	16.346	146	2220877	10.258	ppbv	99
76) 1,4-Dichlorobenzene	16.487	146	2183586	10.453	ppbv	98
77) 1,2-Dichlorobenzene	17.156	146	2149012	10.020	ppbv	99
78) Hexachloro-1,3-Butadiene	22.648	225	1424868	8.400	ppbv	100
79) Naphthalene	21.400	128	2807004	13.008	ppbv	99
80) Naphthalene,2-methyl-	24.387	142	555593	11.811	ppbv	97
81) 1,2,4-Trichlorobenzene	21.153	180	1441690	10.624	ppbv	99

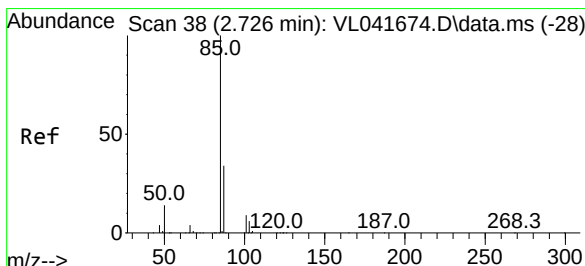
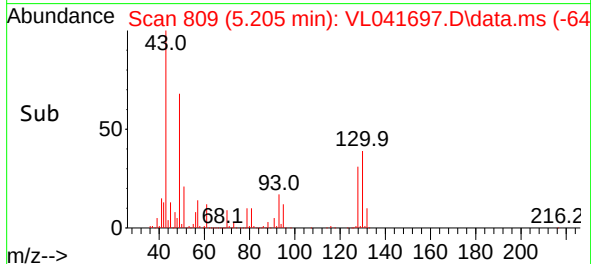
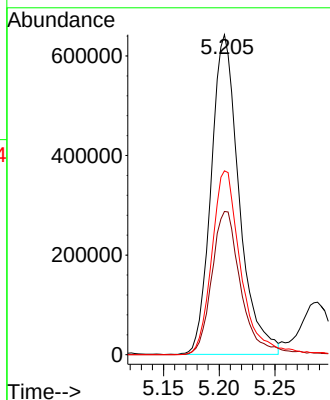
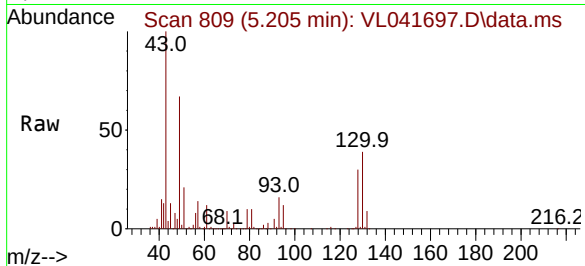
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.205 min Scan# 80
 Delta R.T. 0.017 min
 Lab File: VL041697.D
 Acq: 20 Nov 2024 8:09

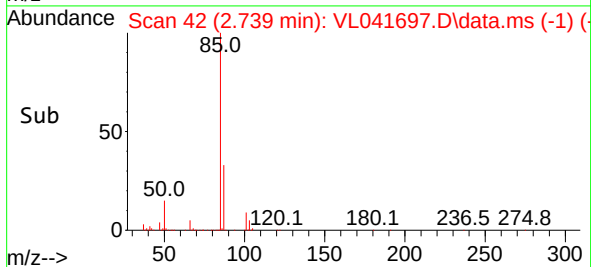
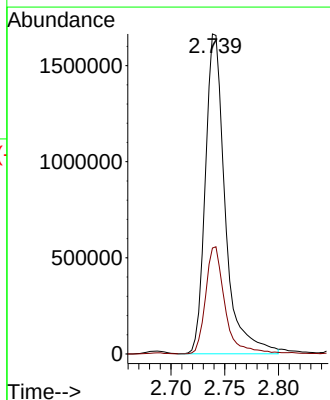
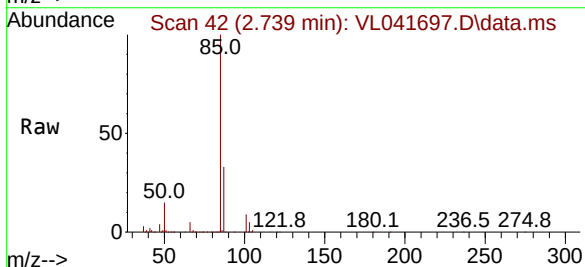
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDCCC010

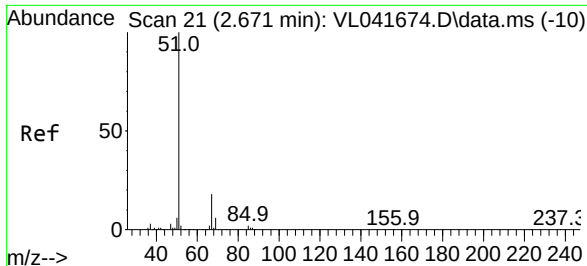
Tgt Ion: 49 Resp: 1123466
 Ion Ratio Lower Upper
 49 100
 128 47.1 23.8 71.2
 130 61.0 30.1 90.5



#2
 Dichlorodifluoromethane
 Concen: 10.541 ppbv
 RT: 2.739 min Scan# 42
 Delta R.T. 0.013 min
 Lab File: VL041697.D
 Acq: 20 Nov 2024 8:09

Tgt Ion: 85 Resp: 2140449
 Ion Ratio Lower Upper
 85 100
 87 33.1 26.8 40.2

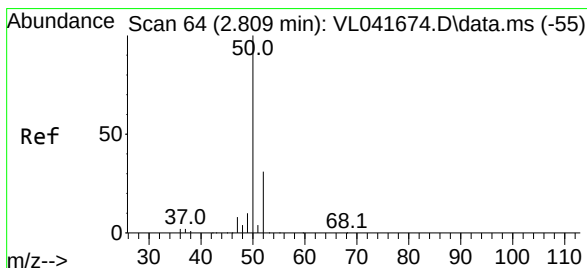
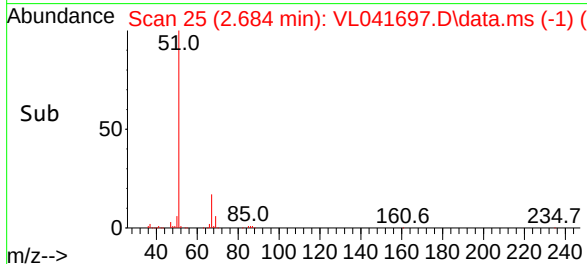
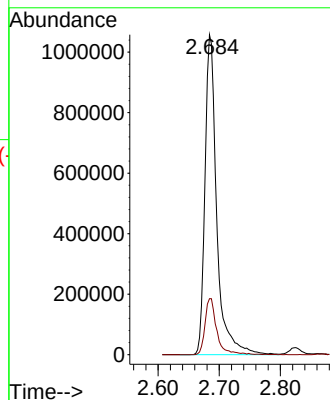
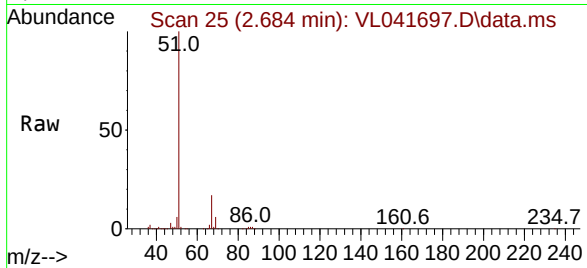




#3
Chlorodifluoromethane
Concen: 9.670 ppbv
RT: 2.684 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

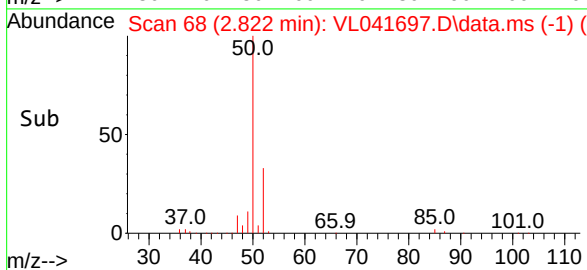
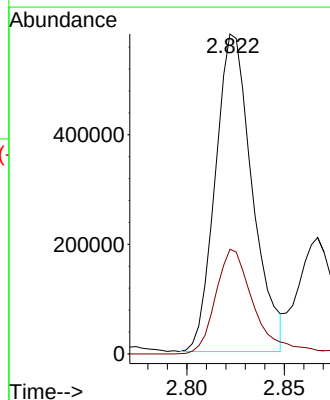
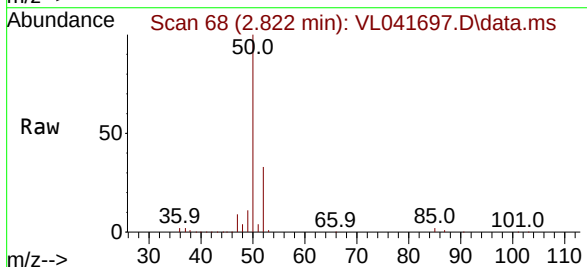
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

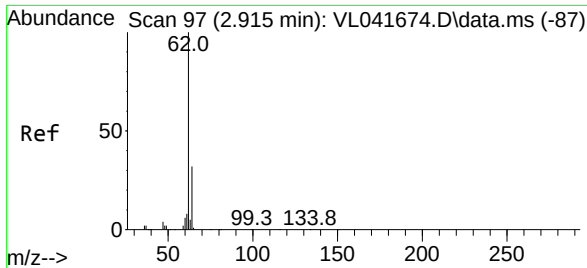
Tgt Ion: 51 Resp: 1415484
Ion Ratio Lower Upper
51 100
67 17.6 13.9 20.9



#4
Chloromethane
Concen: 9.869 ppbv
RT: 2.822 min Scan# 68
Delta R.T. 0.013 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Tgt Ion: 50 Resp: 765196
Ion Ratio Lower Upper
50 100
52 32.8 24.9 37.3

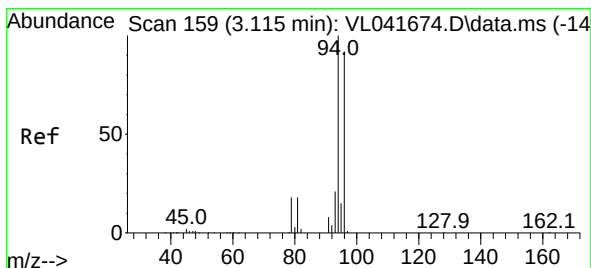
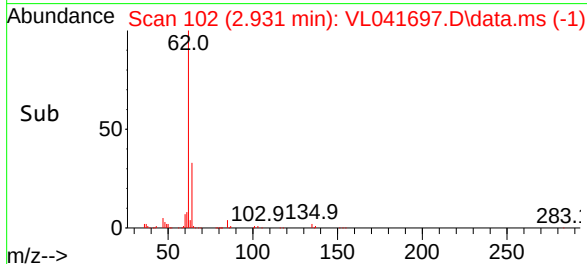
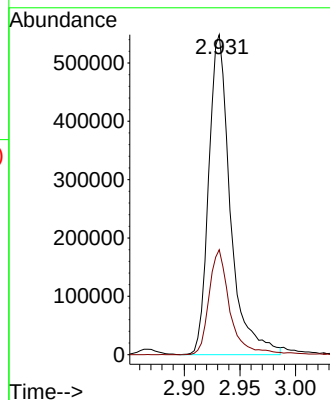
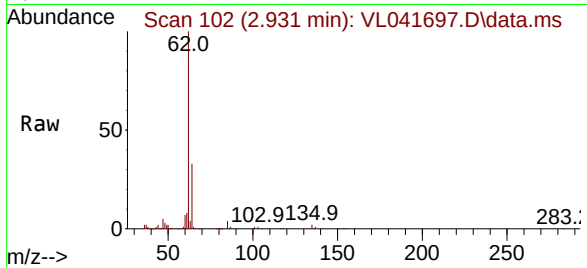




#5
 Vinyl Chloride
 Concen: 10.631 ppbv
 RT: 2.931 min Scan# 102
 Delta R.T. 0.016 min
 Lab File: VL041697.D
 Acq: 20 Nov 2024 8:09

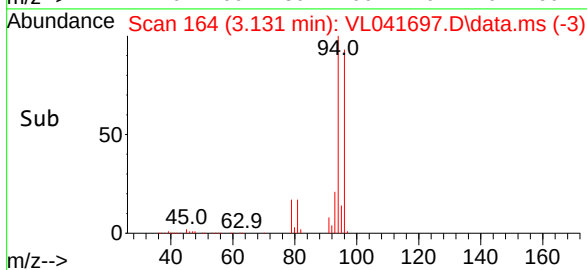
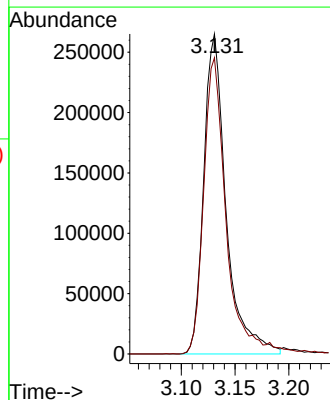
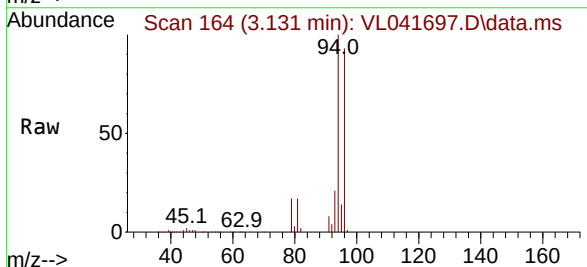
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

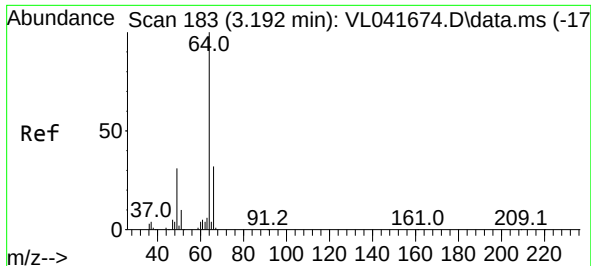
Tgt Ion: 62 Resp: 741512
 Ion Ratio Lower Upper
 62 100
 64 32.8 25.4 38.2



#6
 Bromomethane
 Concen: 10.391 ppbv
 RT: 3.131 min Scan# 164
 Delta R.T. 0.016 min
 Lab File: VL041697.D
 Acq: 20 Nov 2024 8:09

Tgt Ion: 94 Resp: 384455
 Ion Ratio Lower Upper
 94 100
 96 92.6 73.4 110.2

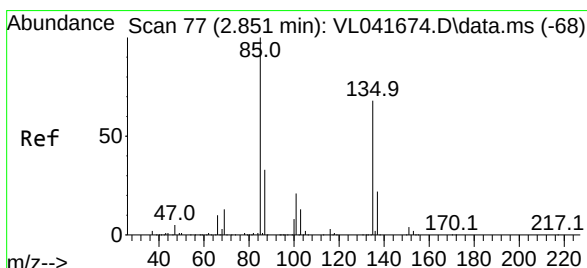
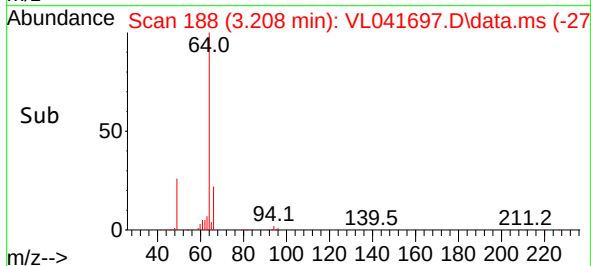
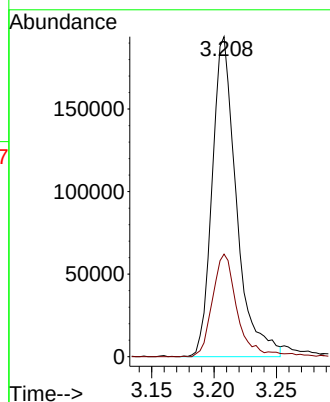
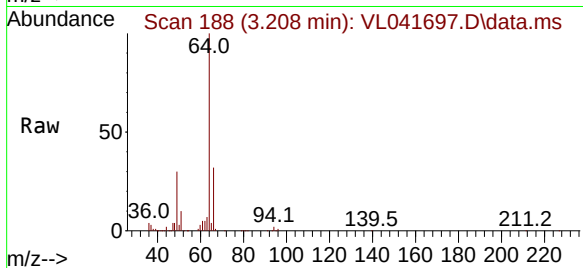




#7
Chloroethane
Concen: 10.312 ppbv
RT: 3.208 min Scan# 11
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

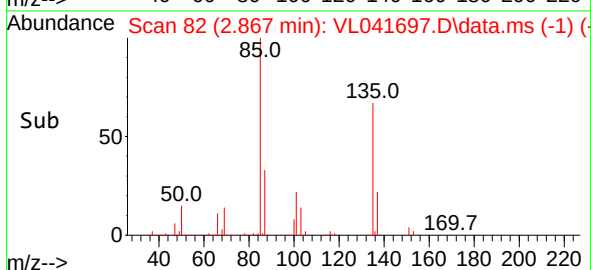
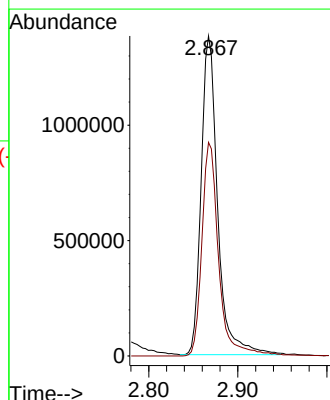
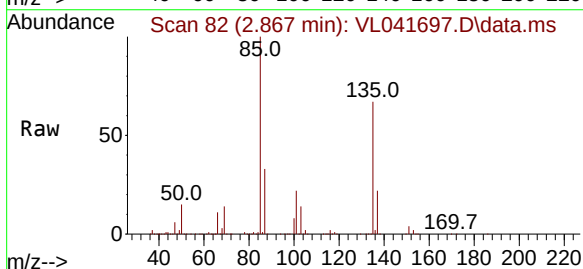
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

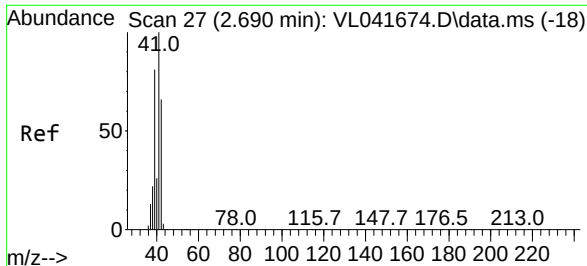
Tgt Ion: 64 Resp: 262500
Ion Ratio Lower Upper
64 100
66 32.1 25.9 38.9



#8
Dichlorotetrafluoroethane
Concen: 9.777 ppbv
RT: 2.867 min Scan# 82
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Tgt Ion: 85 Resp: 1772200
Ion Ratio Lower Upper
85 100
135 68.7 55.5 83.3

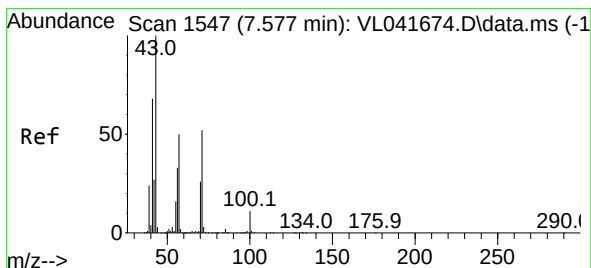
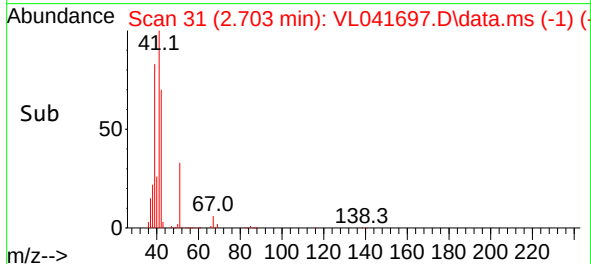
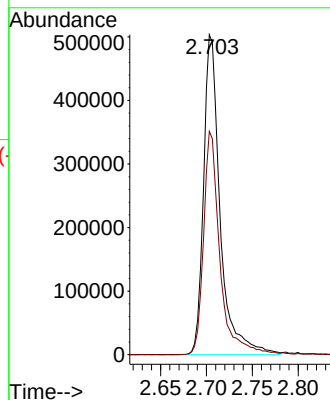
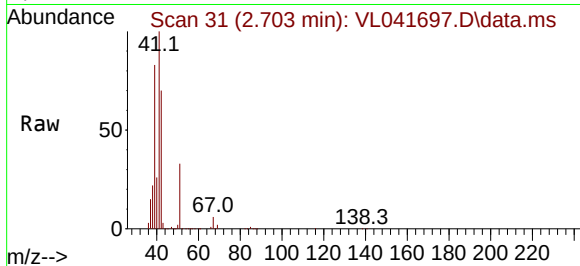




#9
Propene
Concen: 9.921 ppbv
RT: 2.703 min Scan# 31
Delta R.T. 0.013 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

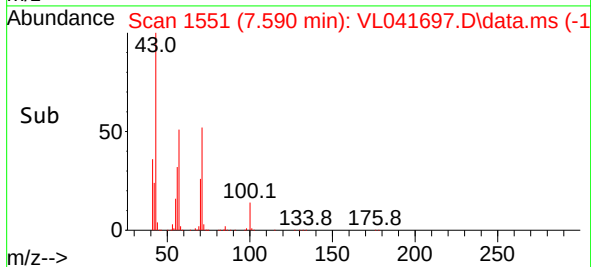
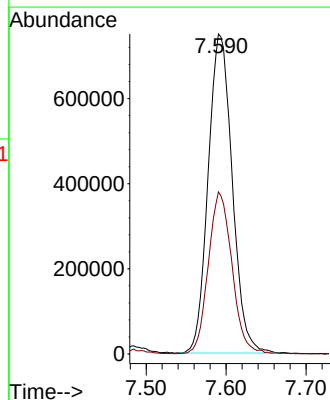
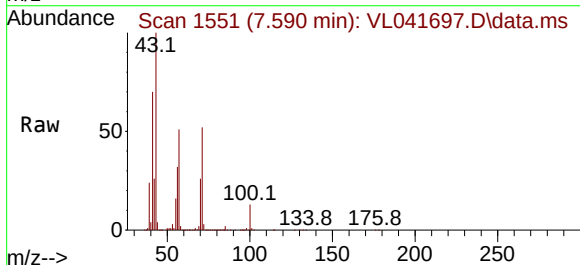
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

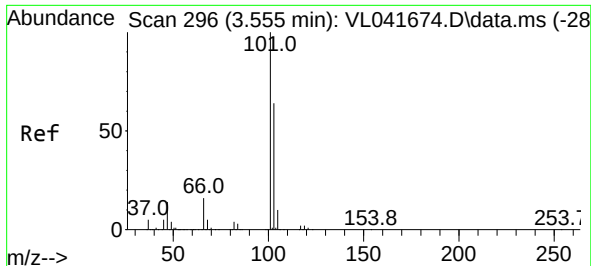
Tgt Ion: 41 Resp: 632787
Ion Ratio Lower Upper
41 100
42 69.3 55.0 82.4



#10
Heptane
Concen: 10.954 ppbv
RT: 7.590 min Scan# 1551
Delta R.T. 0.013 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Tgt Ion: 43 Resp: 1565567
Ion Ratio Lower Upper
43 100
57 50.1 40.0 60.0

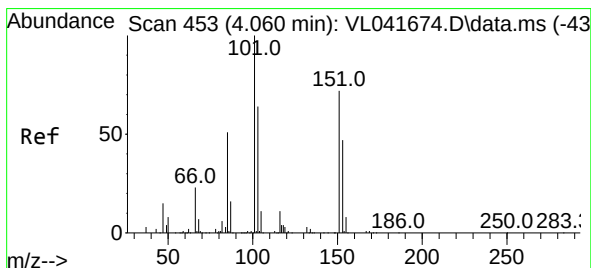
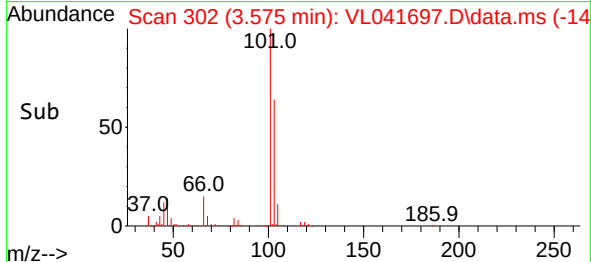
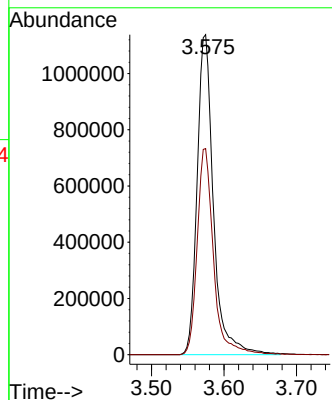
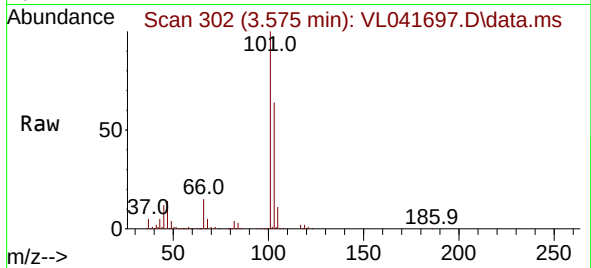




#11
 Trichlorofluoromethane
 Concen: 10.058 ppbv
 RT: 3.575 min Scan# 302
 Delta R.T. 0.019 min
 Lab File: VL041697.D
 Acq: 20 Nov 2024 8:09

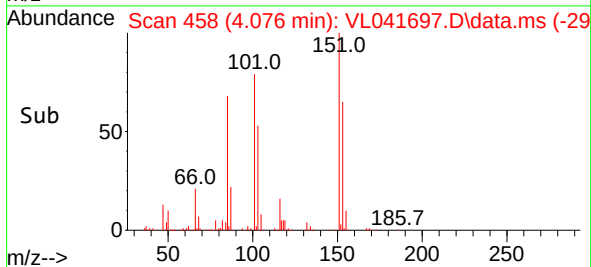
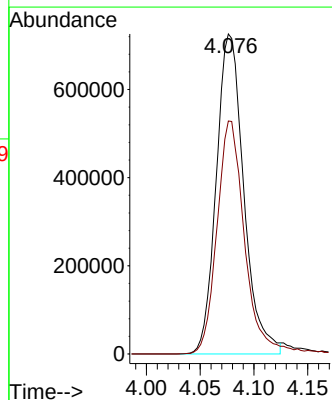
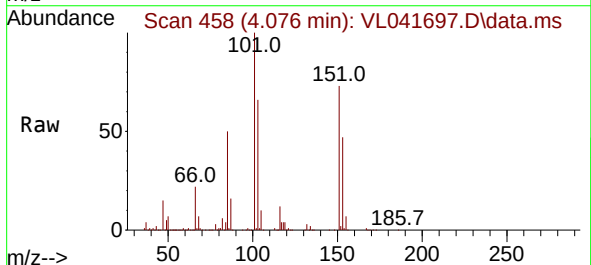
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

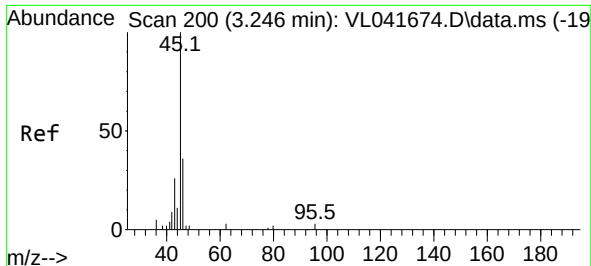
Tgt Ion:101 Resp: 1779018
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.0 76.6



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.044 ppbv
 RT: 4.076 min Scan# 458
 Delta R.T. 0.016 min
 Lab File: VL041697.D
 Acq: 20 Nov 2024 8:09

Tgt Ion:101 Resp: 1291192
 Ion Ratio Lower Upper
 101 100
 151 74.0 59.1 88.7

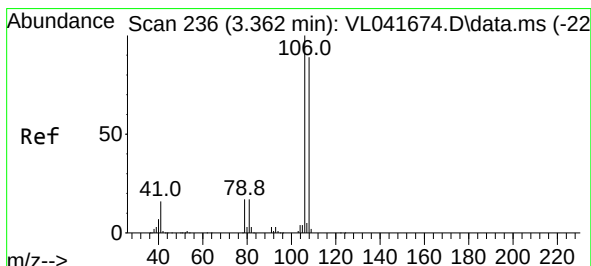
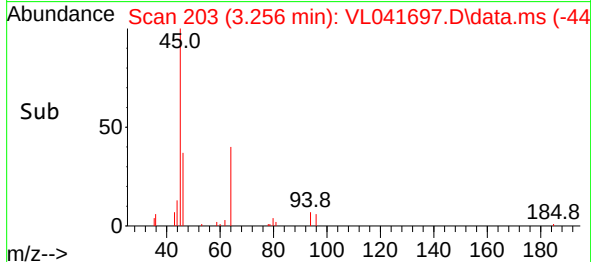
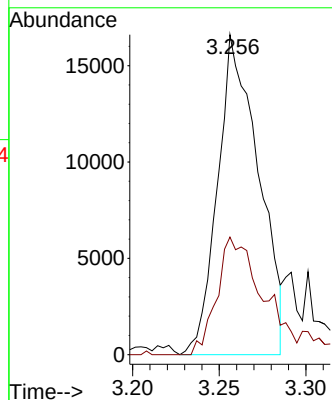
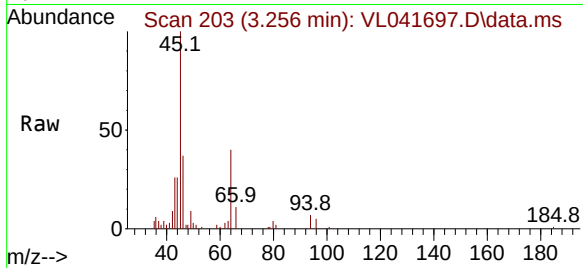




#13
Ethanol
Concen: 6.977 ppbv
RT: 3.256 min Scan# 20
Delta R.T. 0.010 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

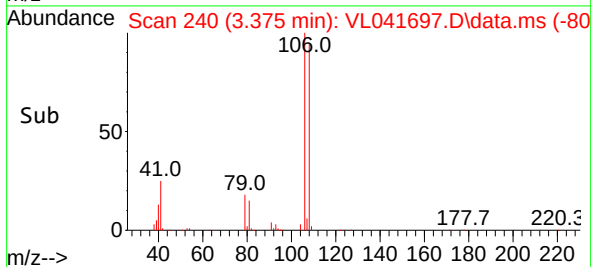
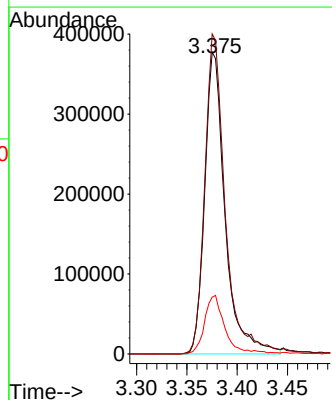
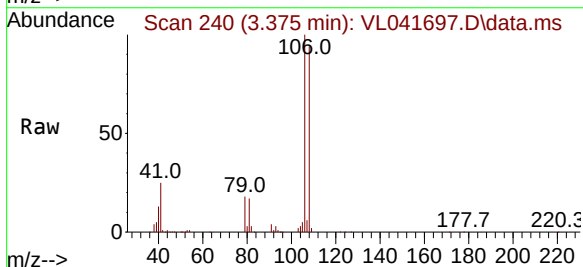
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

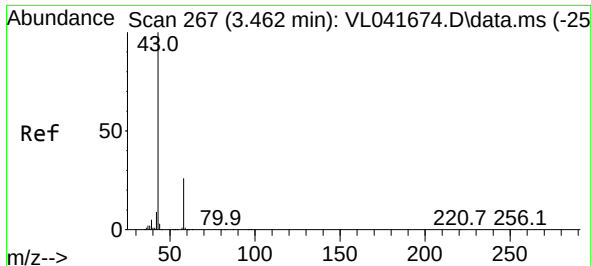
Tgt Ion: 45 Resp: 27249
Ion Ratio Lower Upper
45 100
46 48.6 13.8 55.2



#14
Bromoethene
Concen: 10.312 ppbv
RT: 3.375 min Scan# 240
Delta R.T. 0.013 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Tgt Ion:108 Resp: 532947
Ion Ratio Lower Upper
108 100
106 107.3 88.6 133.0
79 20.3 15.6 23.4





#15

Acetone

Concen: 9.889 ppbv

RT: 3.478 min Scan# 21

Delta R.T. 0.016 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

Instrument :

MSVOA_L

ClientSampleId :

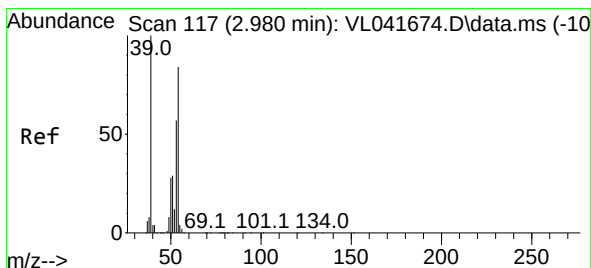
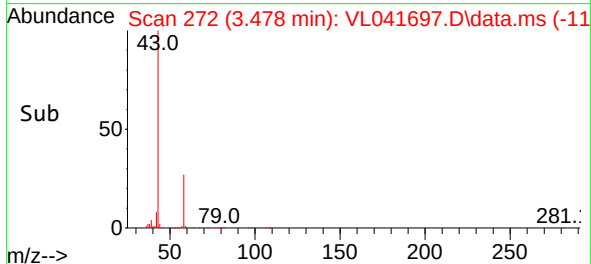
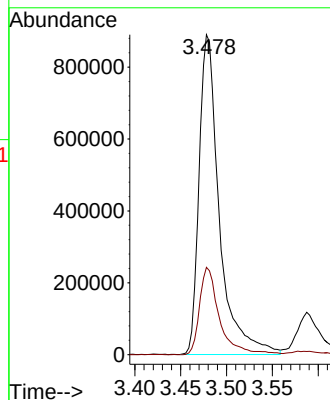
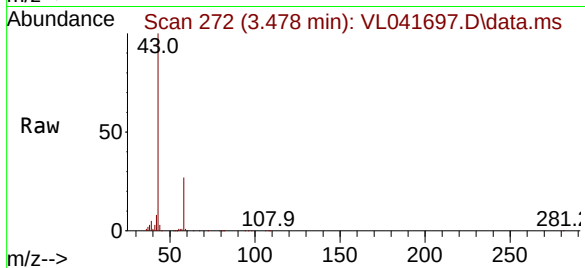
VSTDCCC010

Tgt Ion: 43 Resp: 1367331

Ion Ratio Lower Upper

43 100

58 26.8 21.4 32.0



#16

1,3-Butadiene

Concen: 10.741 ppbv

RT: 2.996 min Scan# 122

Delta R.T. 0.016 min

Lab File: VL041697.D

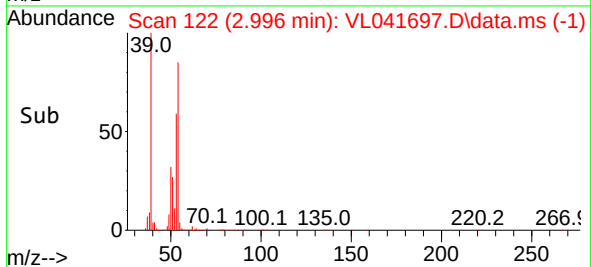
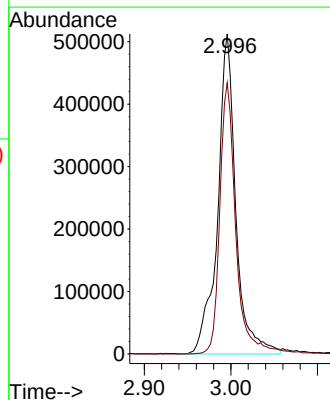
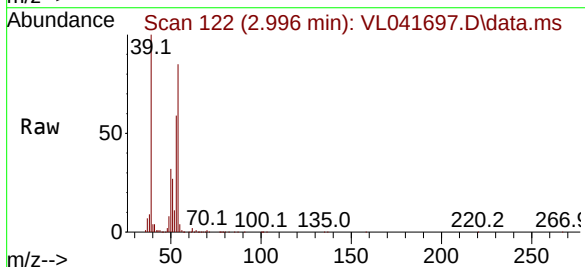
Acq: 20 Nov 2024 8:09

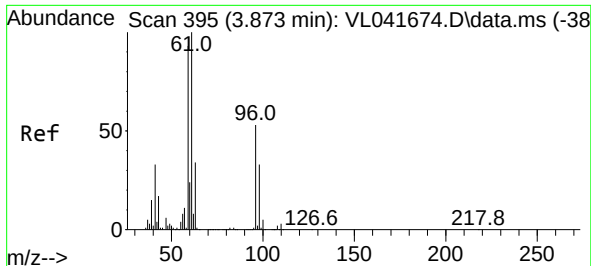
Tgt Ion: 39 Resp: 749348

Ion Ratio Lower Upper

39 100

54 74.9 61.3 91.9





#17

tert-Butyl alcohol

Concen: 10.178 ppbv

RT: 3.890 min Scan# 400

Delta R.T. 0.016 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

Instrument :

MSVOA_L

ClientSampleId :

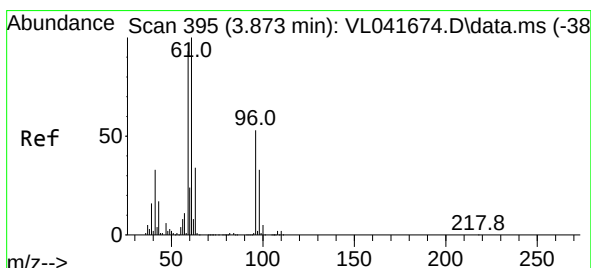
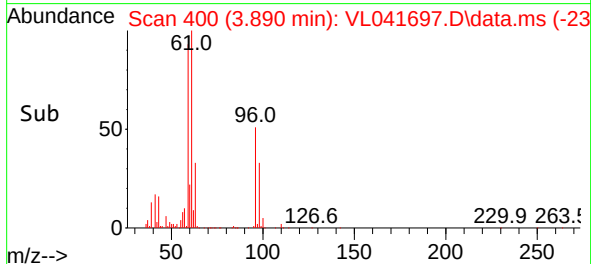
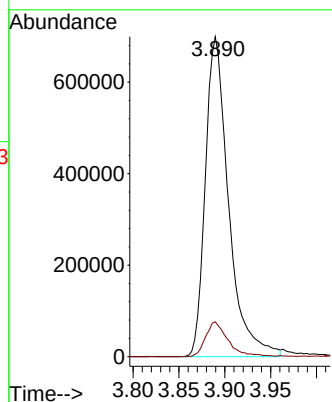
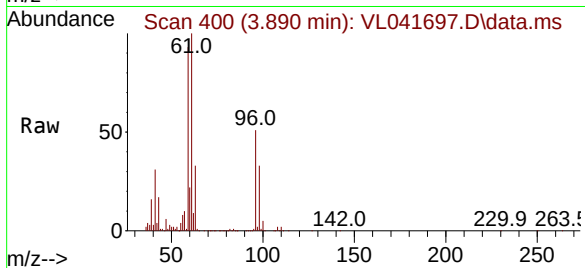
VSTDCCC010

Tgt Ion: 59 Resp: 1234931

Ion Ratio Lower Upper

59 100

57 10.8 8.5 12.7



#18

1,1-Dichloroethene

Concen: 10.411 ppbv

RT: 3.890 min Scan# 400

Delta R.T. 0.016 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

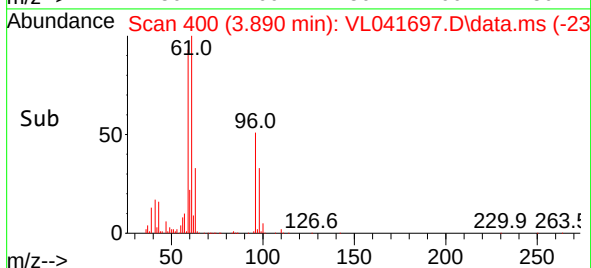
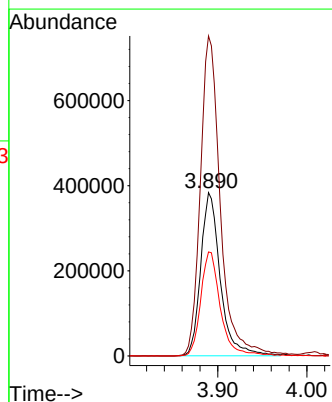
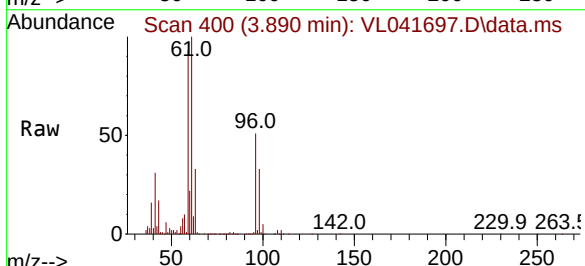
Tgt Ion: 96 Resp: 587002

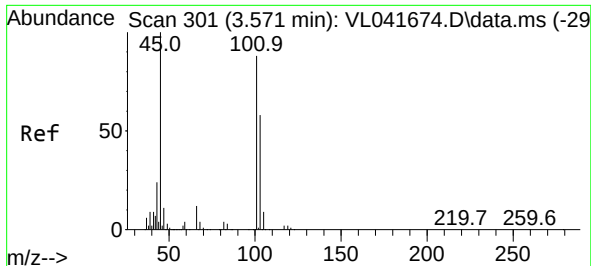
Ion Ratio Lower Upper

96 100

61 195.7 150.7 226.1

98 63.6 49.4 74.2

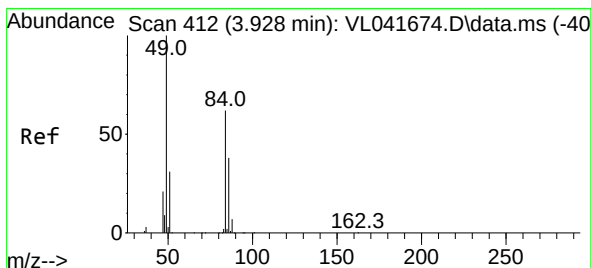
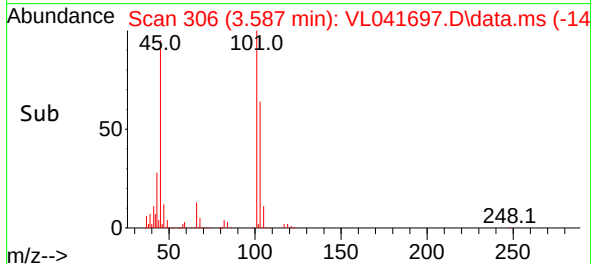
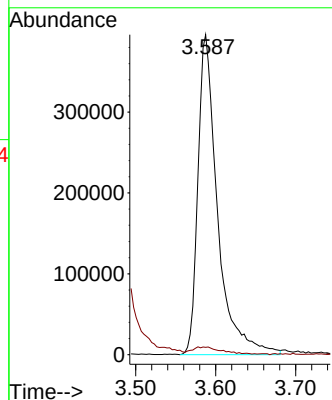
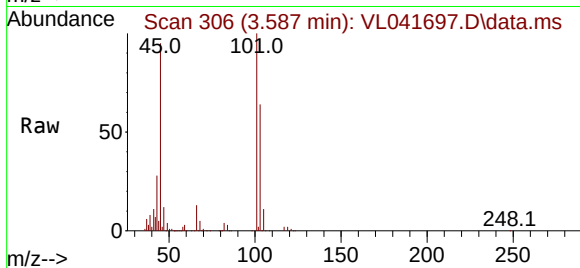




#19
Isopropyl Alcohol
Concen: 10.238 ppbv
RT: 3.587 min Scan# 301
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

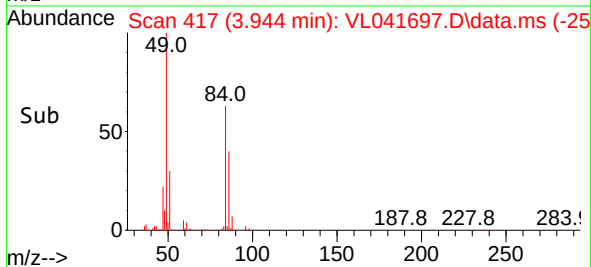
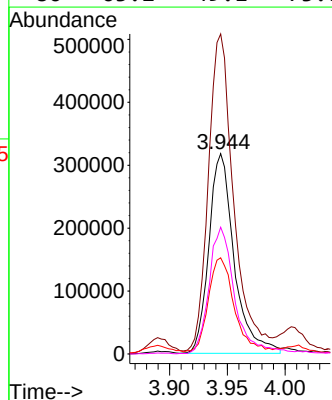
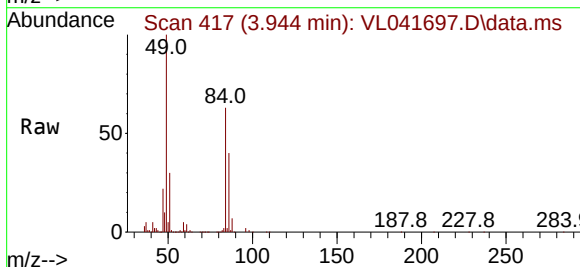
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

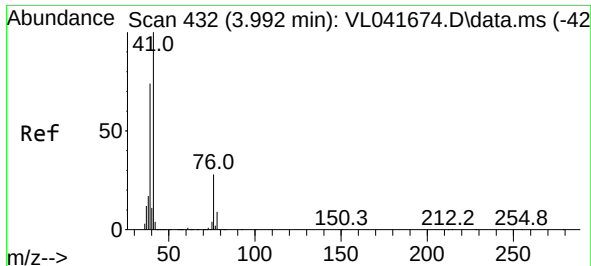
Tgt Ion: 45 Resp: 676609
Ion Ratio Lower Upper
45 100
58 3.7 2.5 3.7



#20
Methylene Chloride
Concen: 9.539 ppbv
RT: 3.944 min Scan# 417
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Tgt Ion: 84 Resp: 485339
Ion Ratio Lower Upper
84 100
49 158.5 129.7 194.5
51 46.5 39.8 59.6
86 63.2 49.1 73.7





#21

Allyl Chloride

Concen: 10.777 ppbv

RT: 4.009 min Scan# 41

Delta R.T. 0.016 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

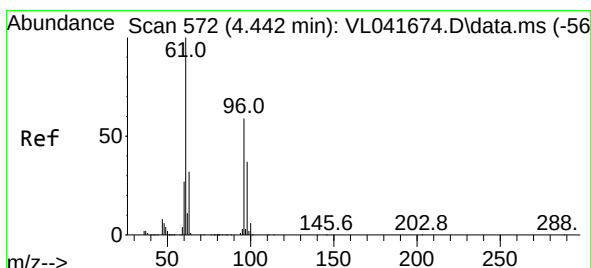
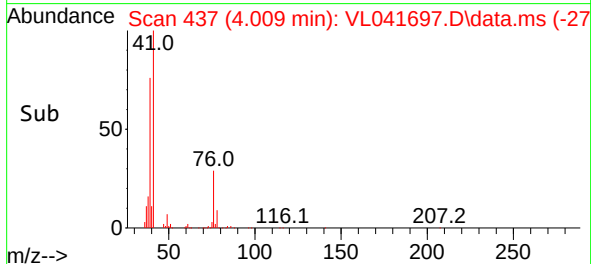
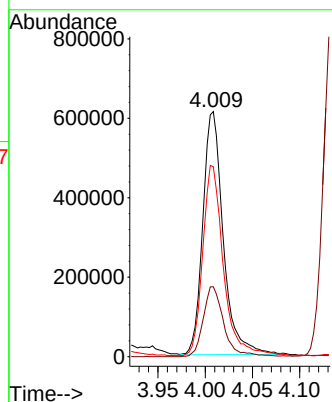
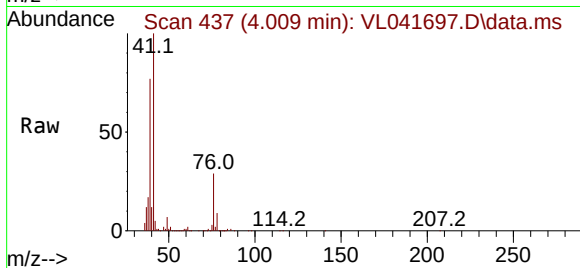
Tgt Ion: 41 Resp: 920766

Ion Ratio Lower Upper

41 100

76 29.1 23.5 35.3

39 79.3 63.0 94.4



#22

trans-1,2-Dichloroethene

Concen: 10.631 ppbv

RT: 4.459 min Scan# 577

Delta R.T. 0.016 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

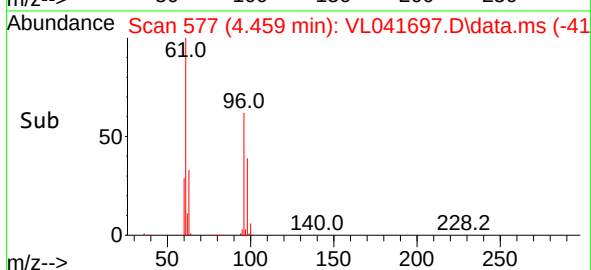
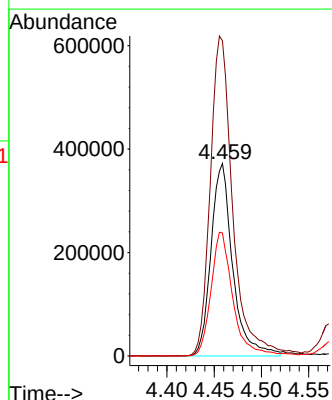
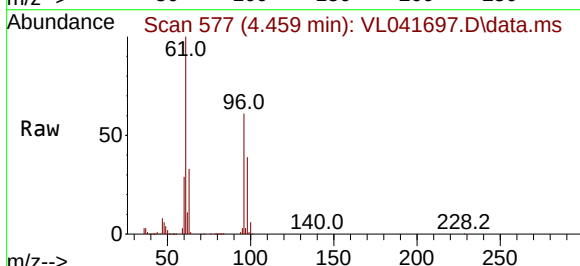
Tgt Ion: 96 Resp: 595977

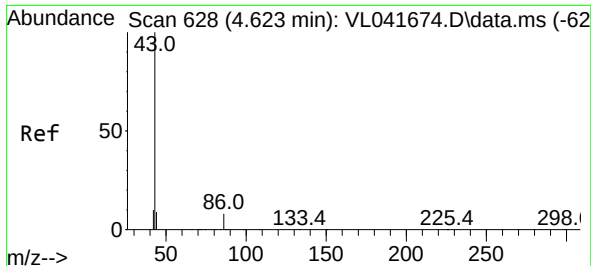
Ion Ratio Lower Upper

96 100

61 163.7 134.5 201.7

98 63.8 49.6 74.4



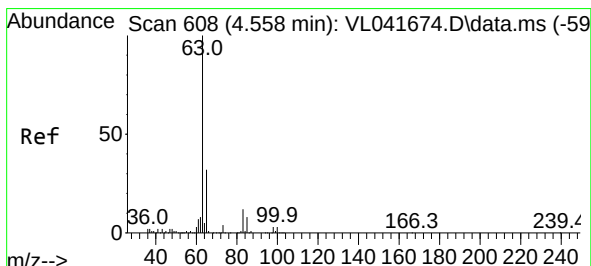
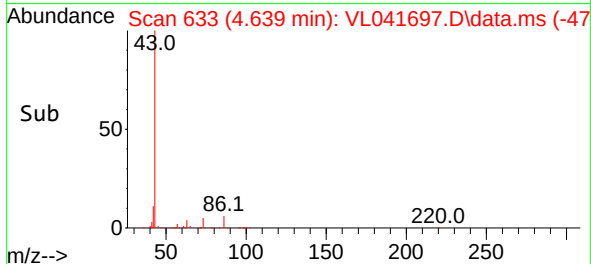
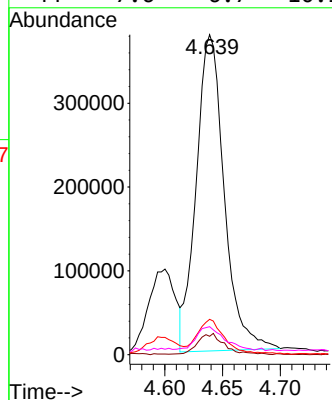
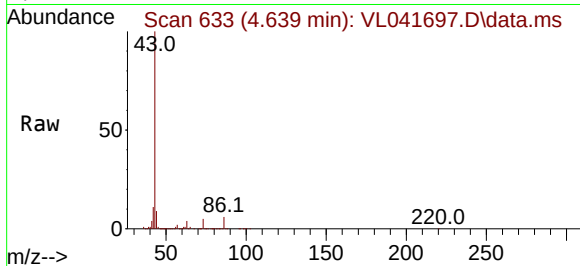


#23
 Vinyl Acetate
 Concen: 10.425 ppbv
 RT: 4.639 min Scan# 613
 Delta R.T. 0.016 min
 Lab File: VL041697.D
 Acq: 20 Nov 2024 8:09

Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 43 Resp: 635436

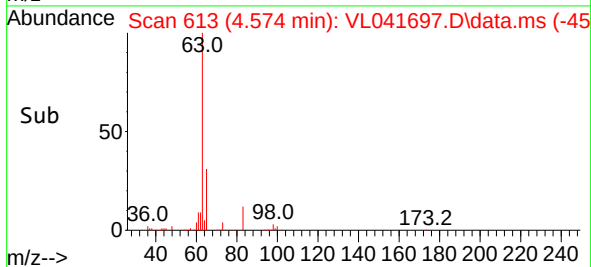
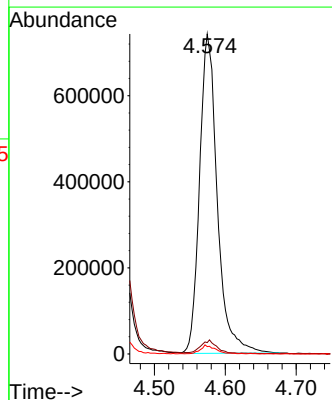
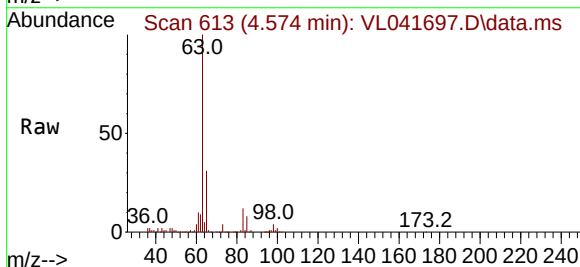
Ion	Ratio	Lower	Upper
43	100		
86	5.6	5.3	7.9
42	10.8	8.5	12.7
44	7.6	6.7	10.1

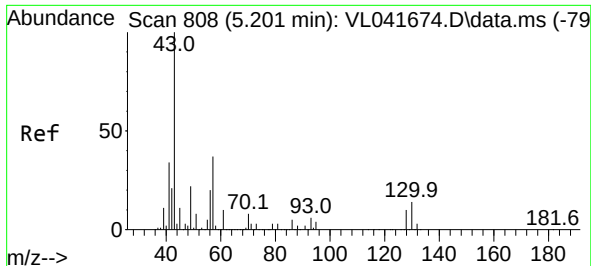


#24
 1,1-Dichloroethane
 Concen: 10.304 ppbv
 RT: 4.574 min Scan# 613
 Delta R.T. 0.016 min
 Lab File: VL041697.D
 Acq: 20 Nov 2024 8:09

Tgt Ion: 63 Resp: 1289373

Ion	Ratio	Lower	Upper
63	100		
98	3.5	1.8	5.4
100	2.3	1.4	4.2



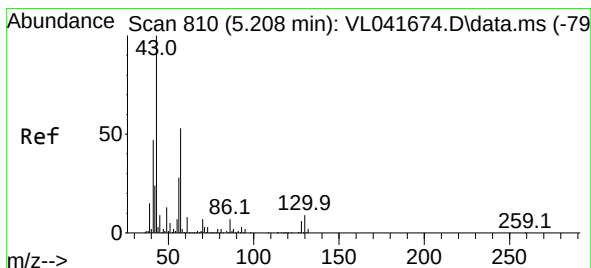
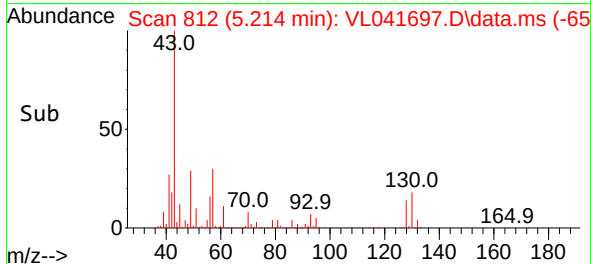
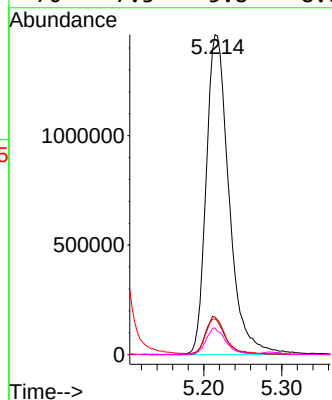
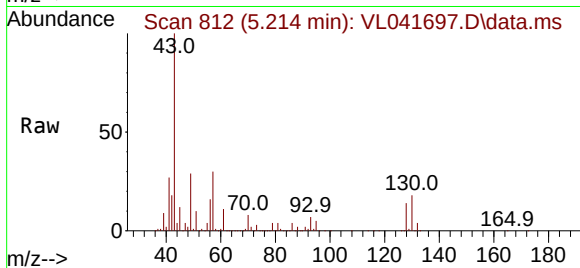


#25
Ethyl Acetate
Concen: 10.321 ppbv
RT: 5.214 min Scan# 812
Delta R.T. 0.013 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 2953915

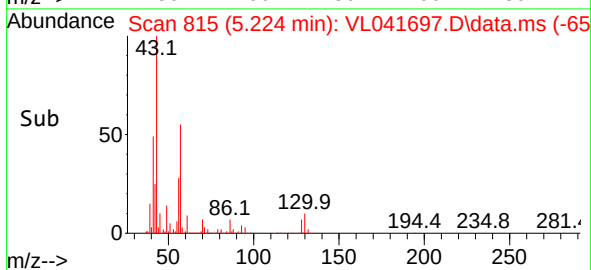
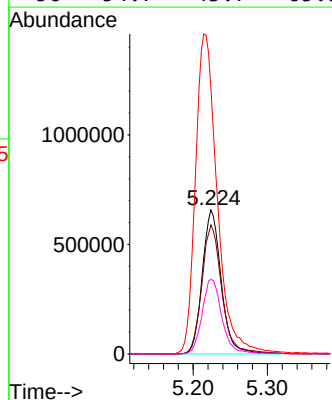
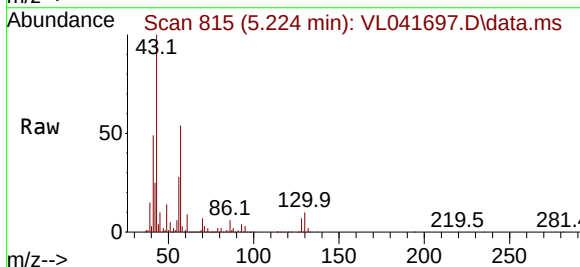
Ion	Ratio	Lower	Upper
43	100		
45	10.9	8.6	13.0
61	10.4	8.4	12.6
70	7.3	5.8	8.6

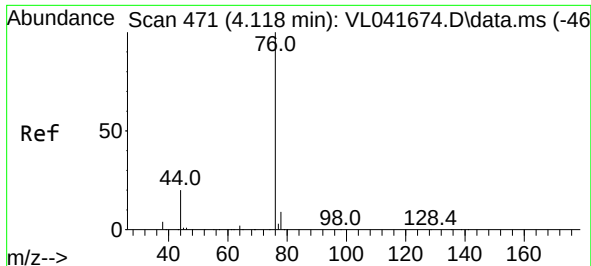


#26
Hexane
Concen: 10.567 ppbv
RT: 5.224 min Scan# 815
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Tgt Ion: 57 Resp: 1161873

Ion	Ratio	Lower	Upper
57	100		
41	95.4	76.1	114.1
43	256.7	207.0	310.6
56	54.7	43.7	65.5

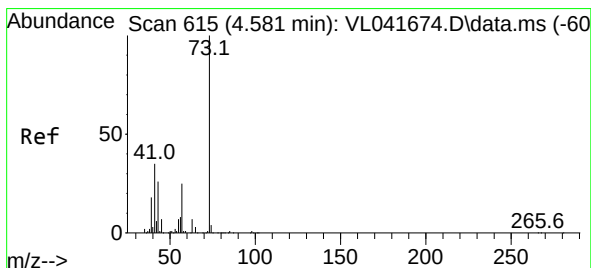
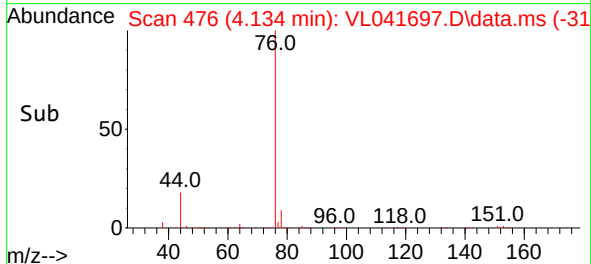
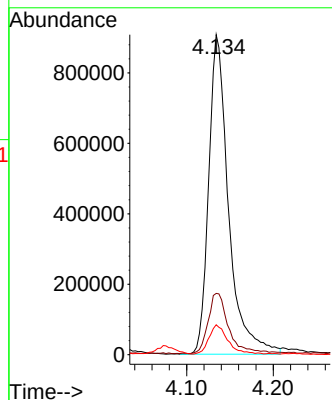
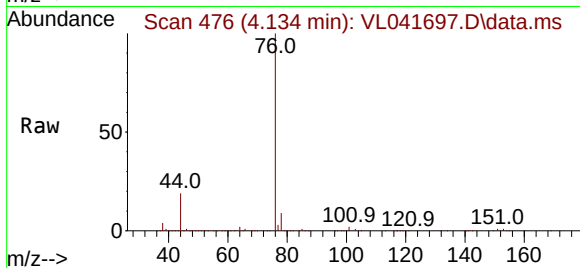




#27
Carbon Disulfide
Concen: 11.714 ppbv
RT: 4.134 min Scan# 41
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

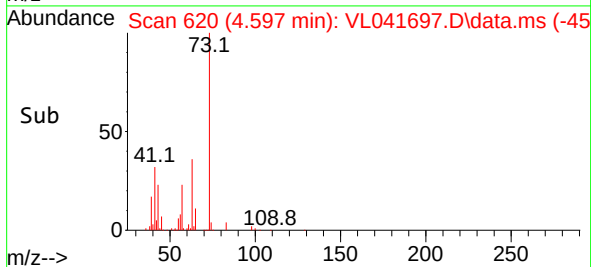
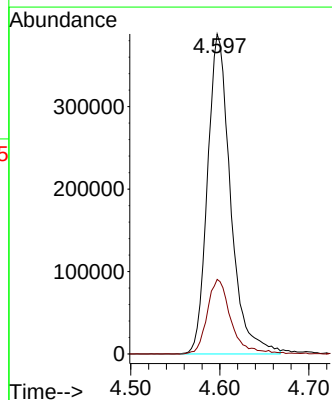
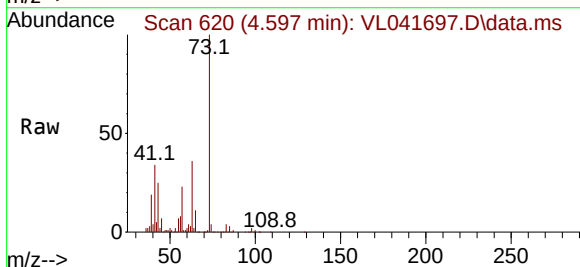
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

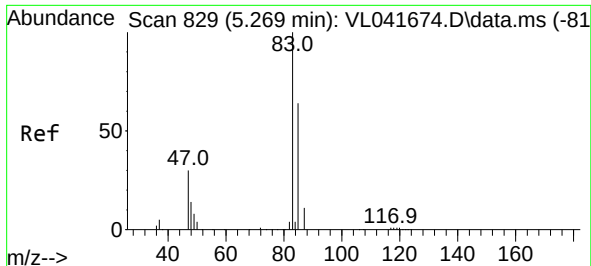
Tgt Ion: 76 Resp: 1447099
Ion Ratio Lower Upper
76 100
44 19.8 15.8 23.8
78 9.4 7.5 11.3



#28
Methyl tert-Butyl Ether
Concen: 9.841 ppbv
RT: 4.597 min Scan# 620
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Tgt Ion: 73 Resp: 696845
Ion Ratio Lower Upper
73 100
57 24.1 19.6 29.4

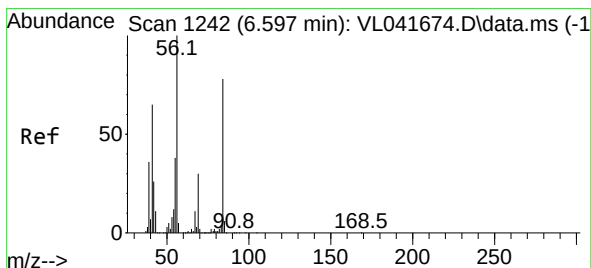
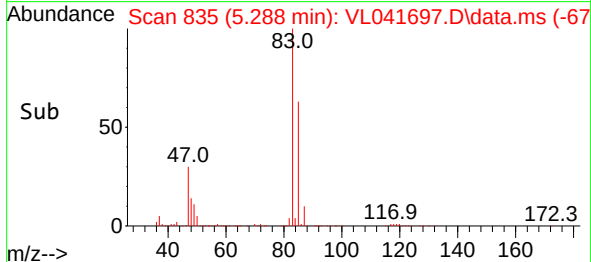
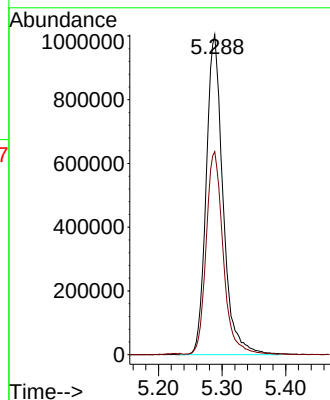
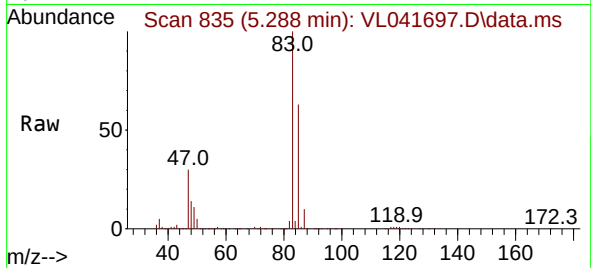




#29
Chloroform
Concen: 10.127 ppbv
RT: 5.288 min Scan# 81
Delta R.T. 0.019 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

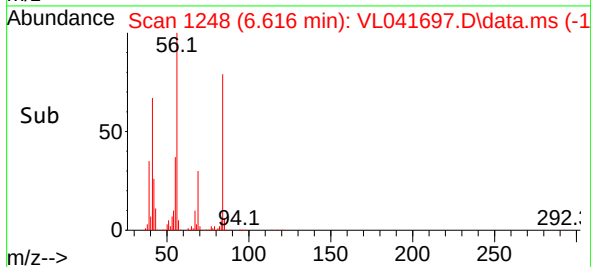
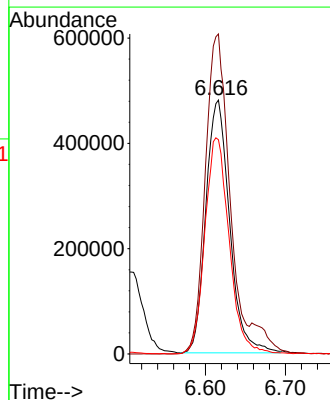
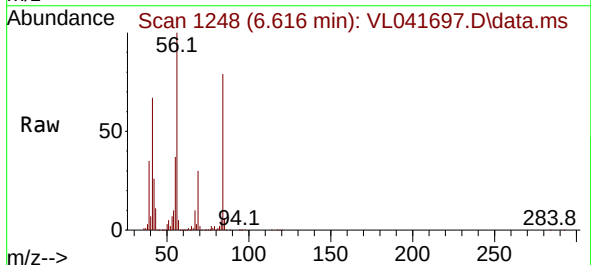
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

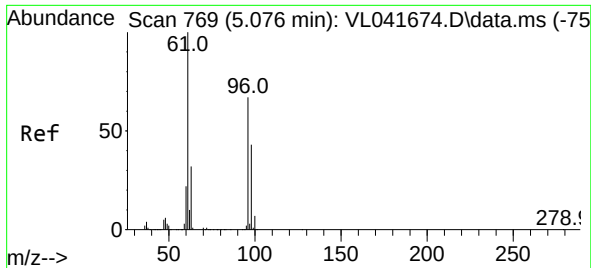
Tgt Ion: 83 Resp: 1838047
Ion Ratio Lower Upper
83 100
85 63.2 51.1 76.7



#30
Cyclohexane
Concen: 10.644 ppbv
RT: 6.616 min Scan# 1248
Delta R.T. 0.019 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Tgt Ion: 84 Resp: 996570
Ion Ratio Lower Upper
84 100
56 135.5 110.8 166.2
41 87.4 70.0 105.0

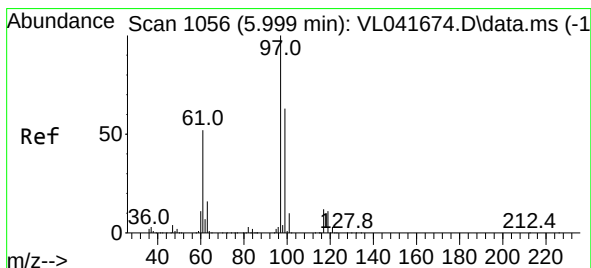
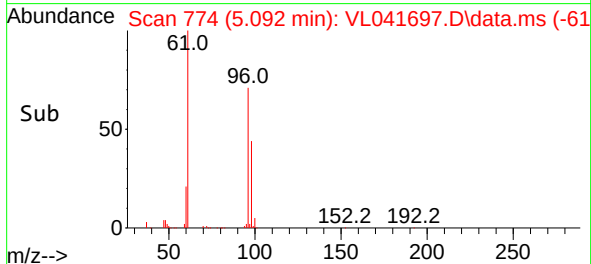
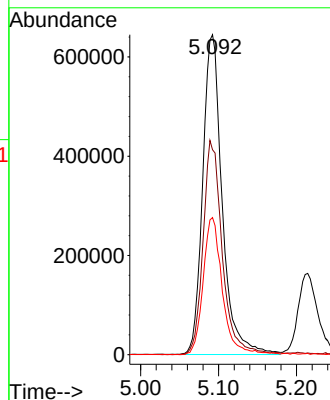
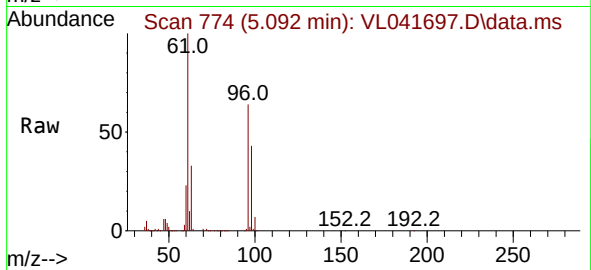




#31
 cis-1,2-Dichloroethene
 Concen: 10.612 ppbv
 RT: 5.092 min Scan# 71
 Delta R.T. 0.016 min
 Lab File: VL041697.D
 Acq: 20 Nov 2024 8:09

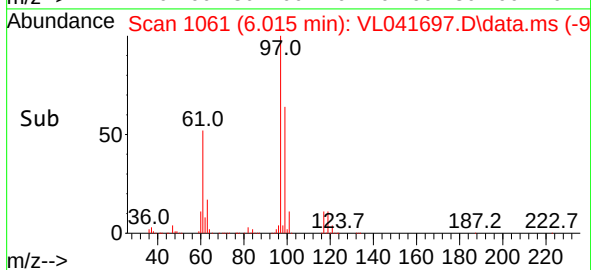
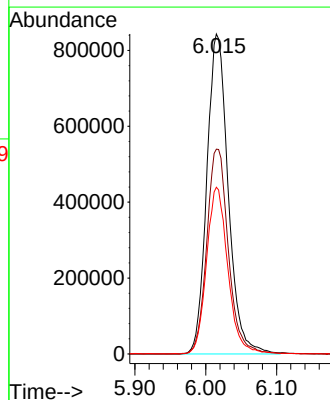
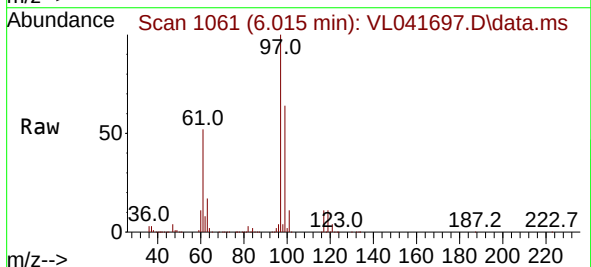
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

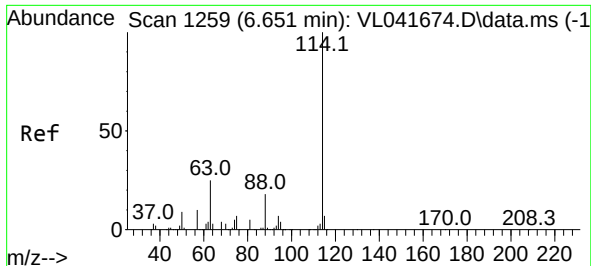
Tgt Ion: 61 Resp: 1122533
 Ion Ratio Lower Upper
 61 100
 96 63.9 53.4 80.2
 98 42.9 34.0 51.0



#32
 1,1,1-Trichloroethane
 Concen: 10.673 ppbv
 RT: 6.015 min Scan# 1061
 Delta R.T. 0.016 min
 Lab File: VL041697.D
 Acq: 20 Nov 2024 8:09

Tgt Ion: 97 Resp: 1767346
 Ion Ratio Lower Upper
 97 100
 99 64.9 51.4 77.2
 61 52.4 41.7 62.5

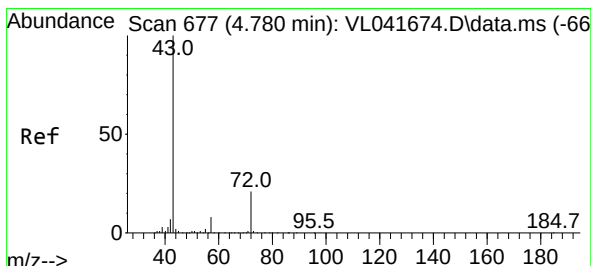
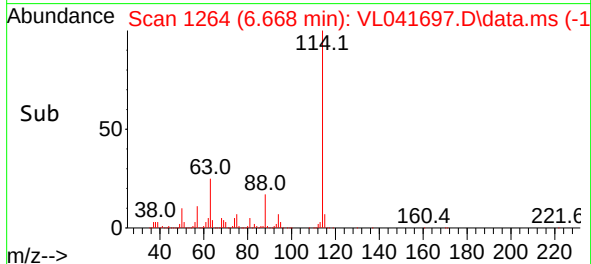
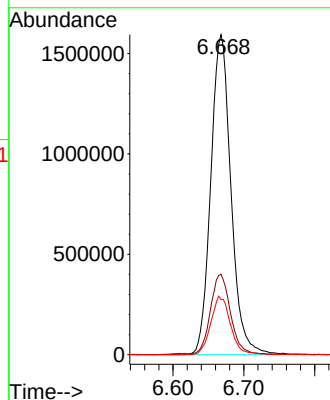
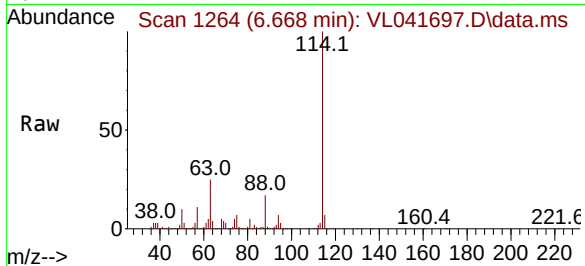




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 6.668 min Scan# 11
 Delta R.T. 0.016 min
 Lab File: VL041697.D
 Acq: 20 Nov 2024 8:09

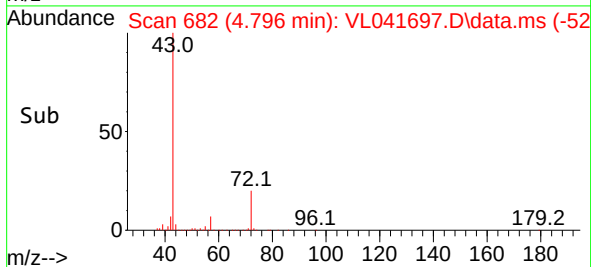
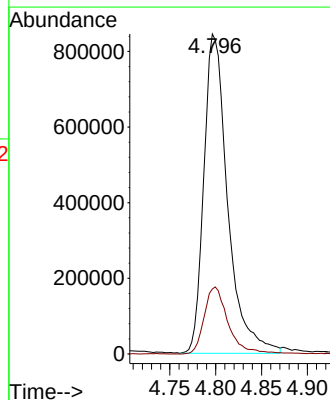
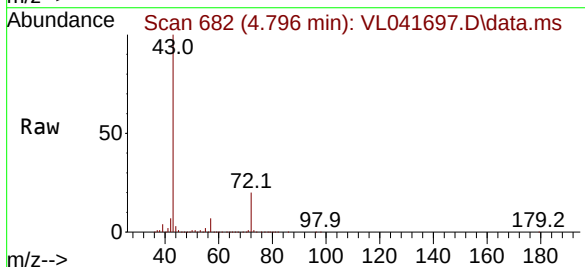
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDCCC010

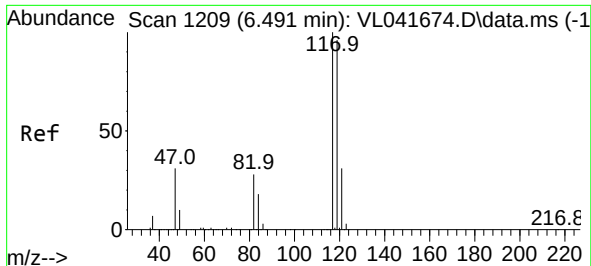
Tgt Ion:114 Resp: 3154537
 Ion Ratio Lower Upper
 114 100
 63 25.5 20.3 30.5
 88 17.8 14.2 21.4



#34
 2-Butanone
 Concen: 9.731 ppbv
 RT: 4.796 min Scan# 682
 Delta R.T. 0.016 min
 Lab File: VL041697.D
 Acq: 20 Nov 2024 8:09

Tgt Ion: 43 Resp: 1528409
 Ion Ratio Lower Upper
 43 100
 72 21.3 17.4 26.0

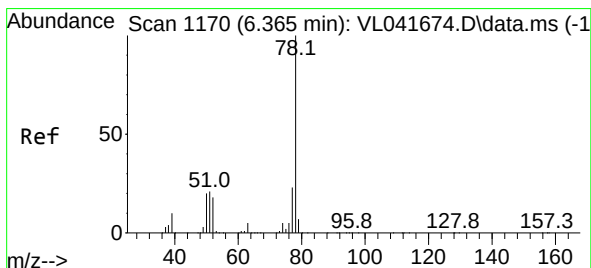
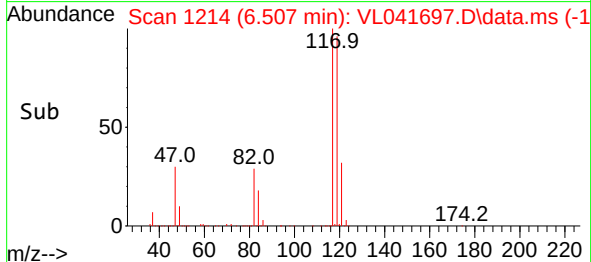
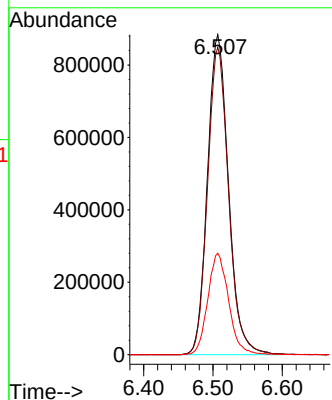
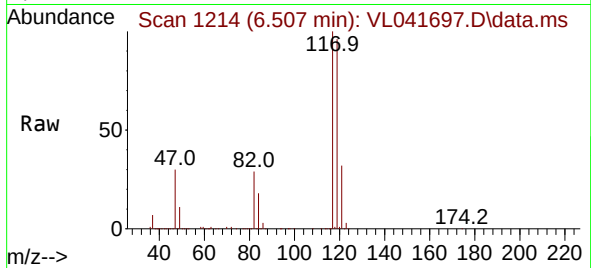




#35
Carbon Tetrachloride
Concen: 11.222 ppbv
RT: 6.507 min Scan# 1176
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

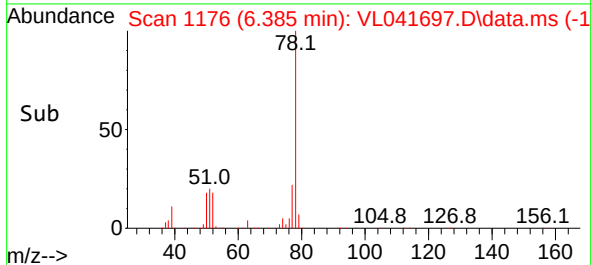
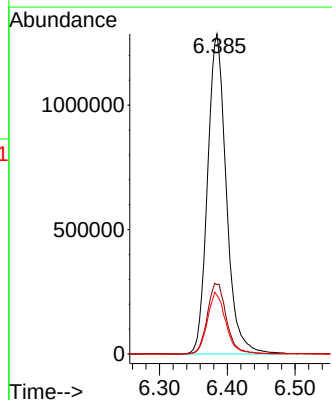
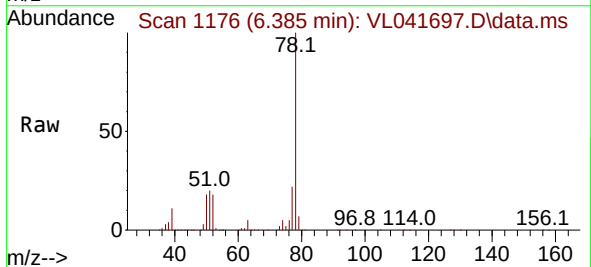
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

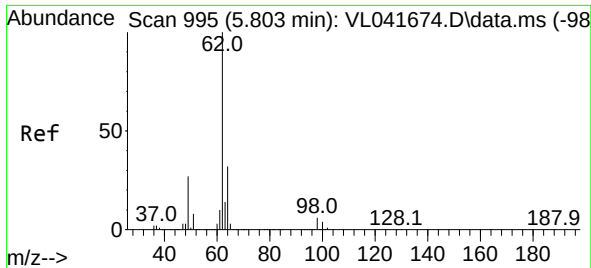
Tgt Ion:117 Resp: 1867710
Ion Ratio Lower Upper
117 100
119 96.1 77.2 115.8
121 31.7 25.0 37.4



#36
Benzene
Concen: 10.579 ppbv
RT: 6.385 min Scan# 1176
Delta R.T. 0.019 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Tgt Ion: 78 Resp: 2472710
Ion Ratio Lower Upper
78 100
77 21.7 18.5 27.7
50 18.3 15.6 23.4

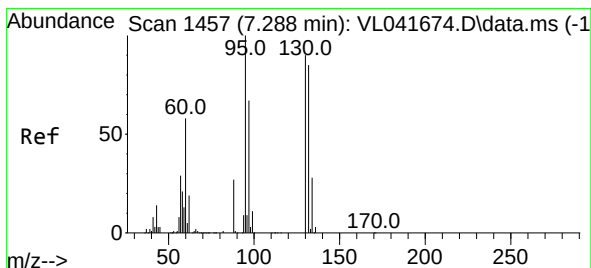
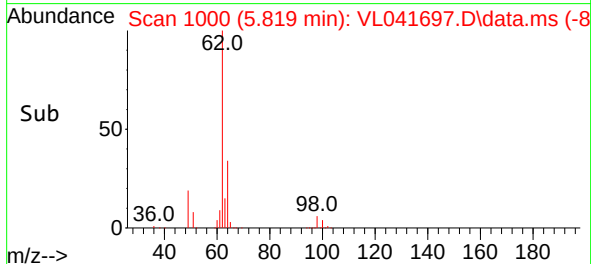
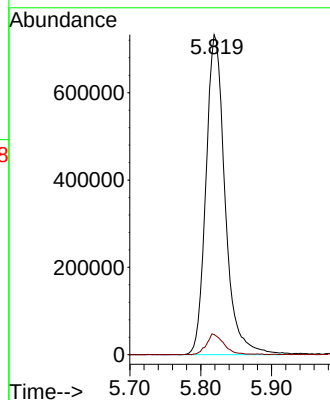
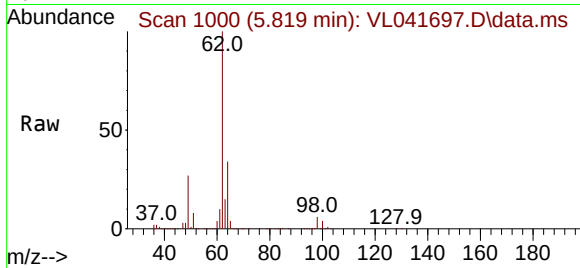




#37
1,2-Dichloroethane
Concen: 10.411 ppbv
RT: 5.819 min Scan# 10
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

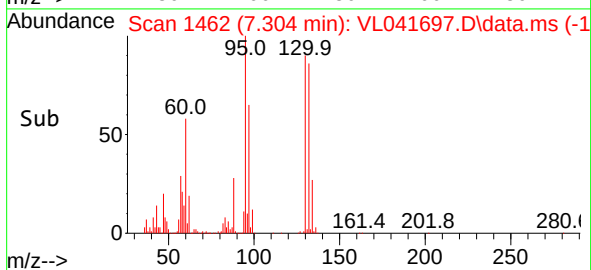
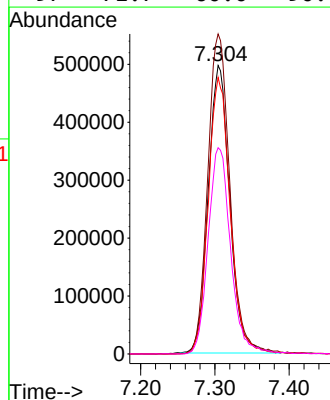
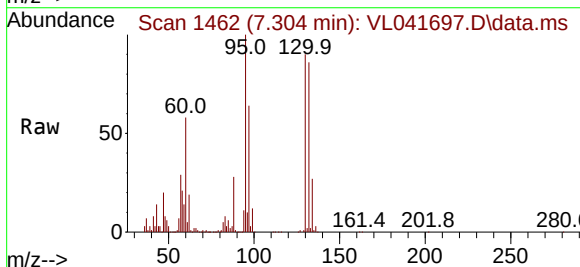
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

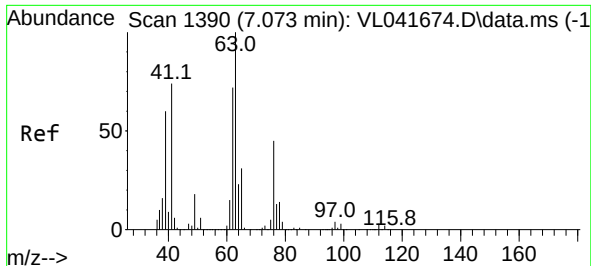
Tgt Ion: 62 Resp: 1372788
Ion Ratio Lower Upper
62 100
98 6.2 5.2 7.8



#38
Trichloroethene
Concen: 11.179 ppbv
RT: 7.304 min Scan# 1462
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Tgt Ion:130 Resp: 1003555
Ion Ratio Lower Upper
130 100
95 111.2 89.1 133.7
132 96.1 75.7 113.5
97 71.7 60.0 90.0





#39

1,2-Dichloropropane

Concen: 10.346 ppbv

RT: 7.089 min Scan# 1

Delta R.T. 0.016 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

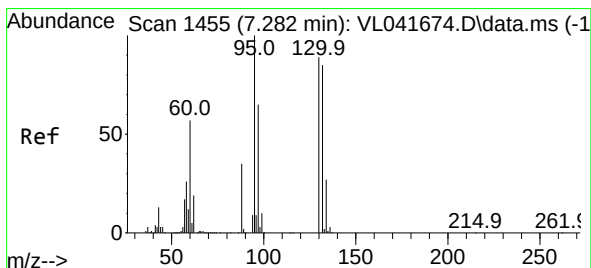
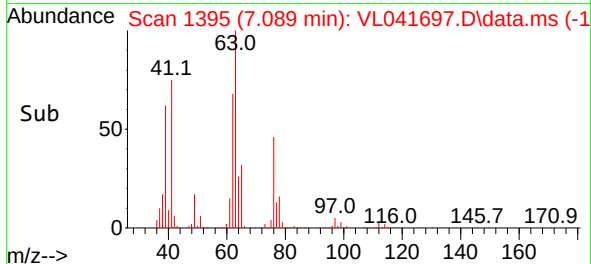
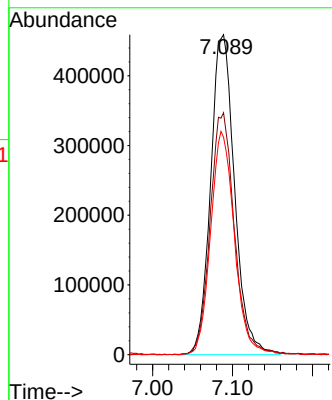
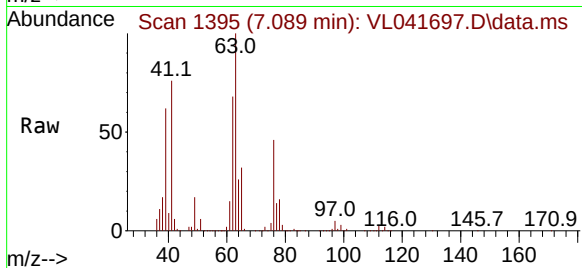
Tgt Ion: 63 Resp: 955590

Ion Ratio Lower Upper

63 100

41 75.6 59.1 88.7

62 67.9 57.7 86.5



#40

1,4-Dioxane

Concen: 11.031 ppbv

RT: 7.298 min Scan# 1460

Delta R.T. 0.016 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

Tgt Ion: 88 Resp: 365570

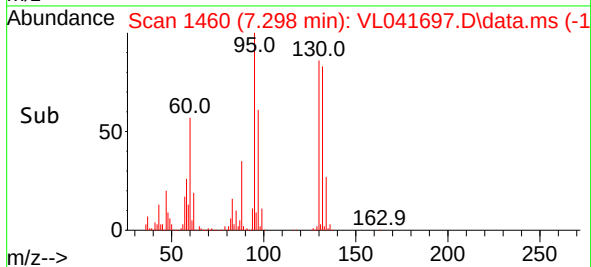
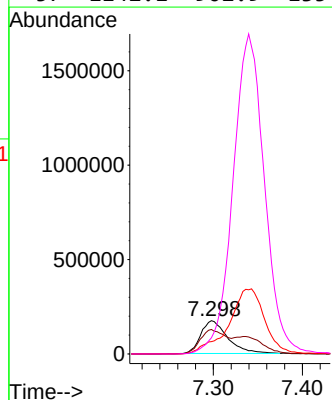
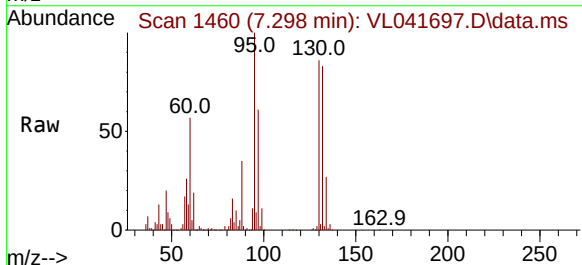
Ion Ratio Lower Upper

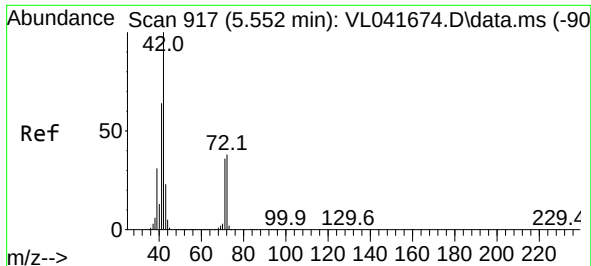
88 100

58 128.6 101.4 152.2

43 263.4 208.0 312.0

57 1142.1 902.9 1354.3

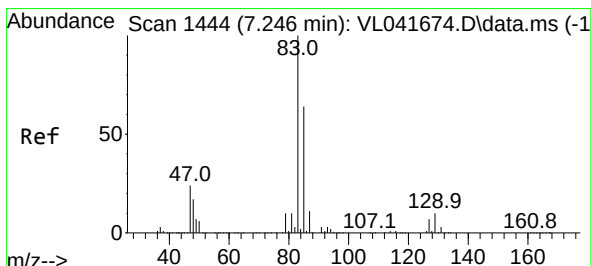
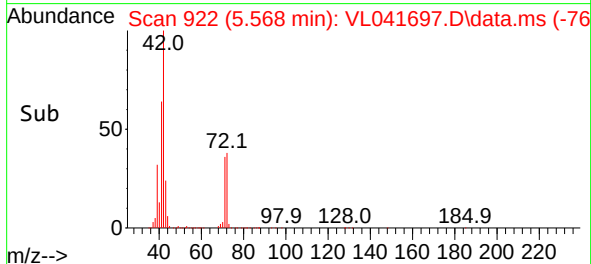
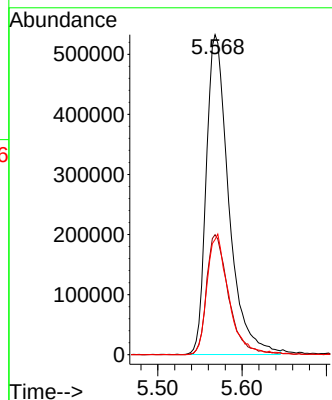
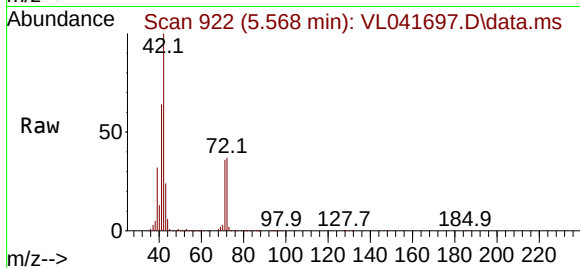




#41
Tetrahydrofuran
Concen: 11.035 ppbv
RT: 5.568 min Scan# 917
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

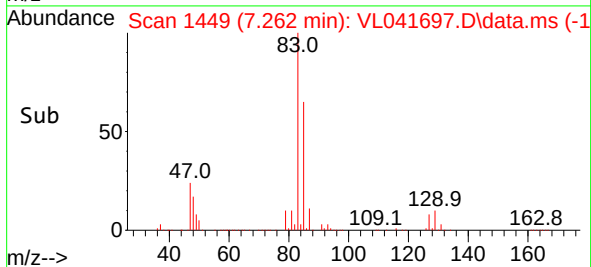
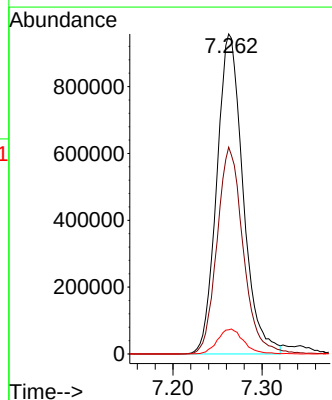
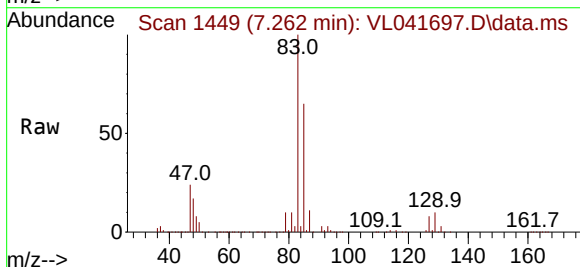
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

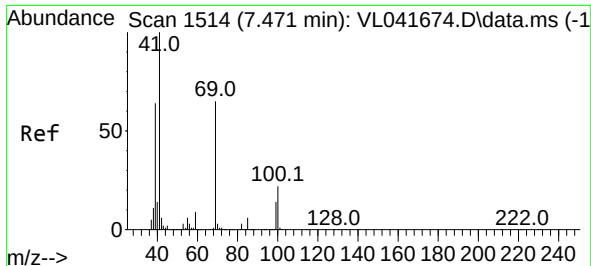
Tgt Ion: 42 Resp: 989840
Ion Ratio Lower Upper
42 100
72 37.2 29.8 44.6
71 36.8 29.4 44.2



#42
Bromodichloromethane
Concen: 10.692 ppbv
RT: 7.262 min Scan# 1449
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Tgt Ion: 83 Resp: 1959114
Ion Ratio Lower Upper
83 100
85 64.6 51.2 76.8
127 7.6 6.0 9.0

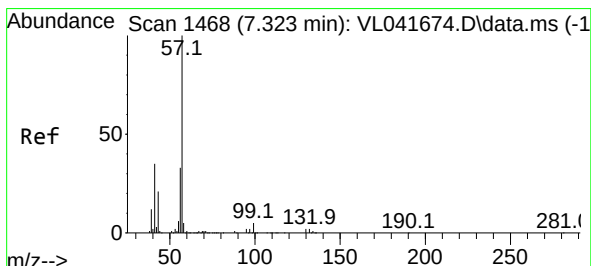
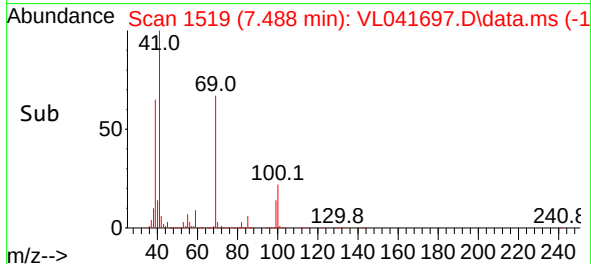
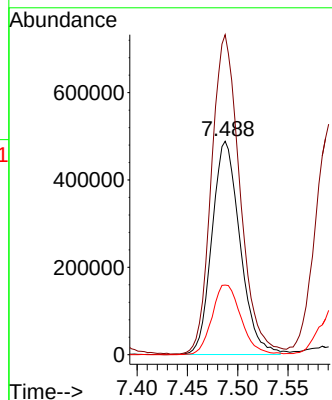
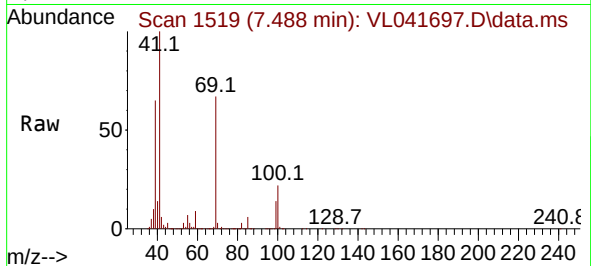




#43
Methyl Methacrylate
Concen: 11.538 ppbv
RT: 7.488 min Scan# 11
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

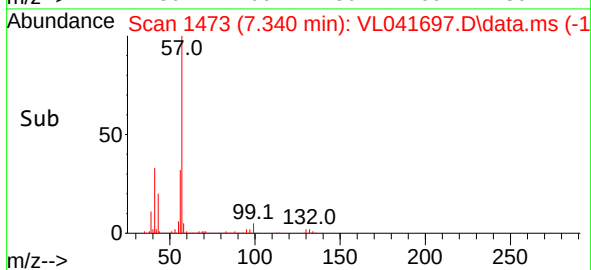
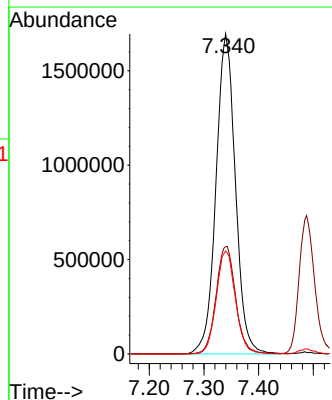
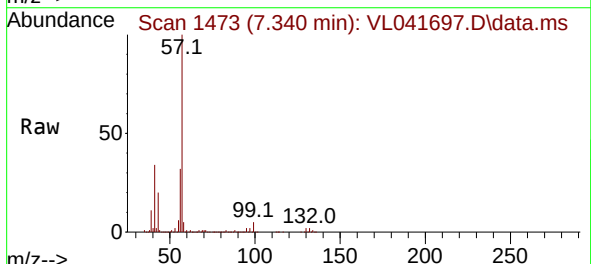
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

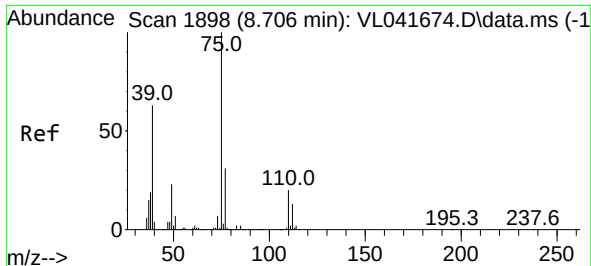
Tgt Ion: 69 Resp: 946899
Ion Ratio Lower Upper
69 100
41 152.6 119.8 179.6
100 34.0 27.3 40.9



#44
2,2,4-Trimethylpentane
Concen: 10.542 ppbv
RT: 7.340 min Scan# 1473
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Tgt Ion: 57 Resp: 4173715
Ion Ratio Lower Upper
57 100
41 33.7 27.0 40.6
56 31.9 25.8 38.6





#45

t-1,3-Dichloropropene

Concen: 12.663 ppbv

RT: 8.725 min Scan# 1904

Delta R.T. 0.019 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

Instrument :

MSVOA_1

ClientSampleId :

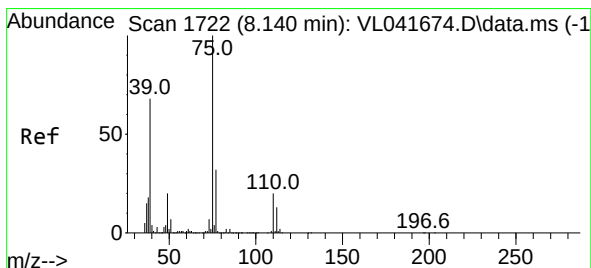
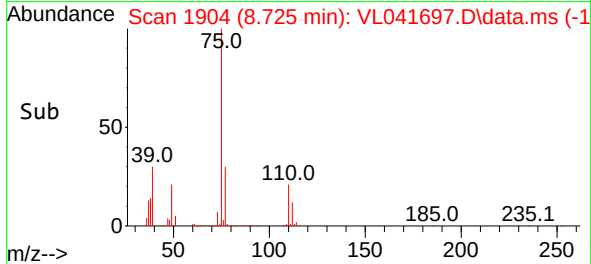
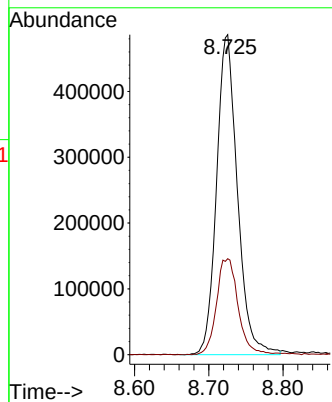
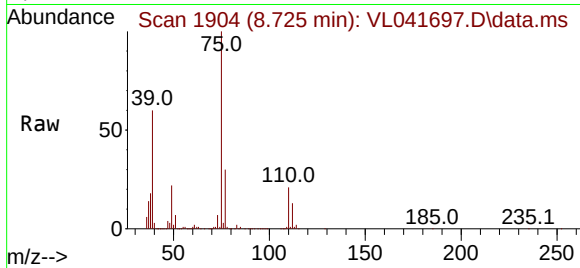
VSTDCCC010

Tgt Ion: 75 Resp: 949613

Ion Ratio Lower Upper

75 100

77 30.0 24.7 37.1



#46

cis-1,3-Dichloropropene

Concen: 11.922 ppbv

RT: 8.156 min Scan# 1727

Delta R.T. 0.016 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

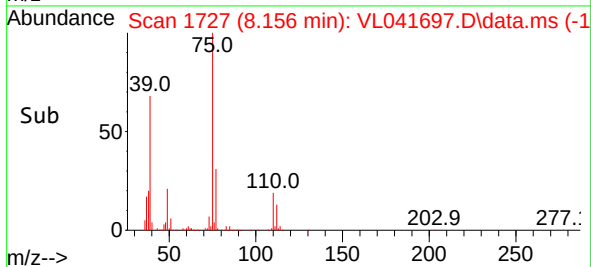
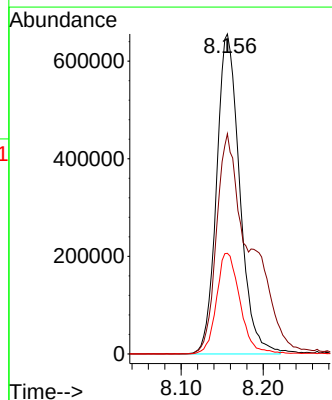
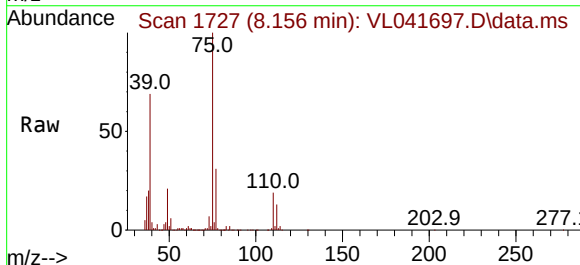
Tgt Ion: 75 Resp: 1284127

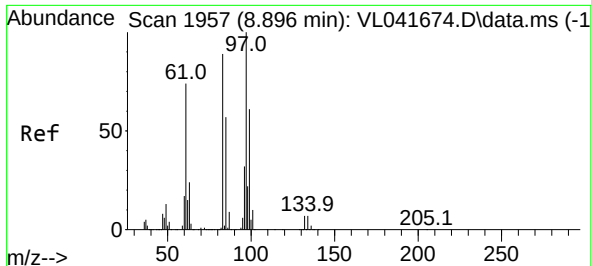
Ion Ratio Lower Upper

75 100

39 68.7 54.1 81.1

77 31.5 25.3 37.9





#47

1,1,2-Trichloroethane

Concen: 10.225 ppbv

RT: 8.915 min Scan# 1957

Delta R.T. 0.019 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 97 Resp: 1022170

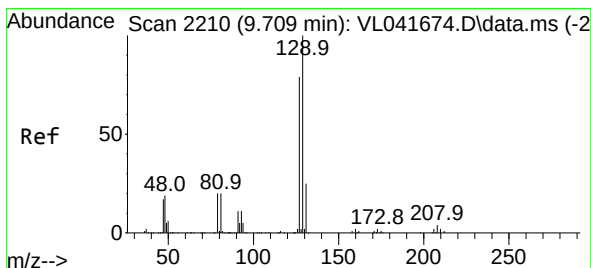
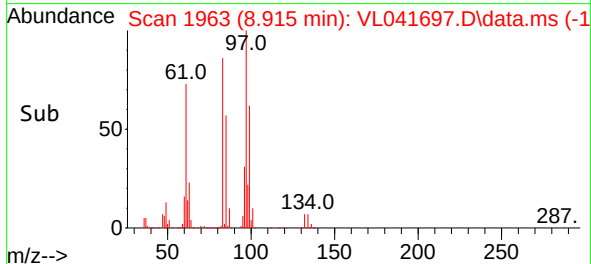
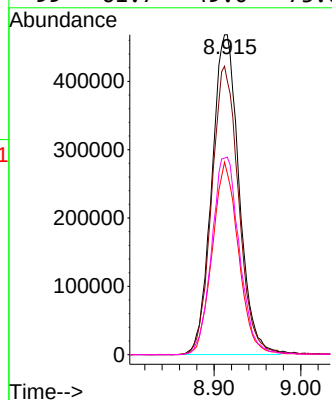
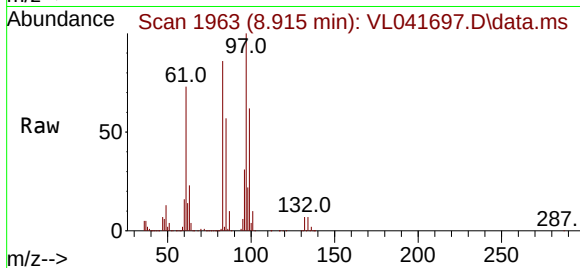
Ion Ratio Lower Upper

97 100

83 85.5 71.0 106.6

85 56.8 45.4 68.2

99 61.7 49.0 73.6



#48

Dibromochloromethane

Concen: 11.129 ppbv

RT: 9.725 min Scan# 2215

Delta R.T. 0.016 min

Lab File: VL041697.D

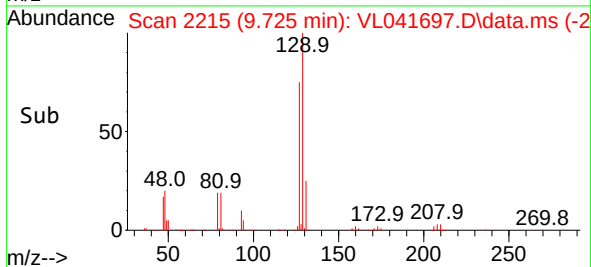
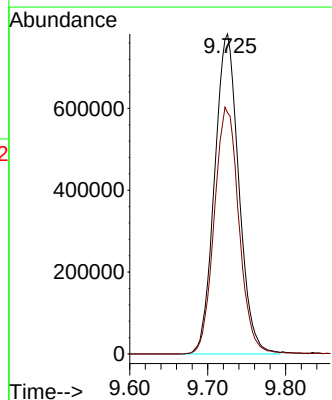
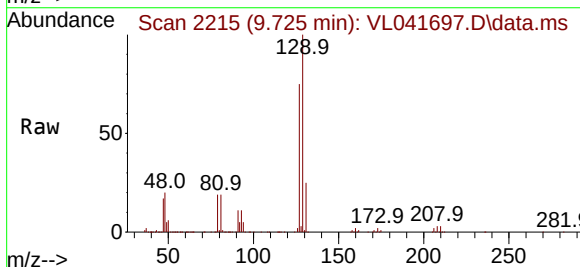
Acq: 20 Nov 2024 8:09

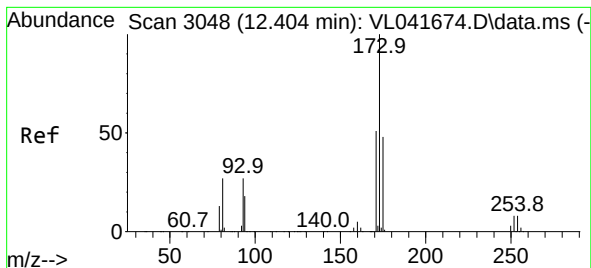
Tgt Ion: 129 Resp: 1691178

Ion Ratio Lower Upper

129 100

127 78.9 39.1 117.2





#49

Bromoform

Concen: 11.514 ppbv

RT: 12.420 min Scan# 3048

Delta R.T. 0.016 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

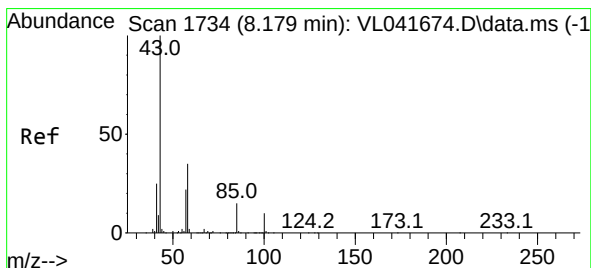
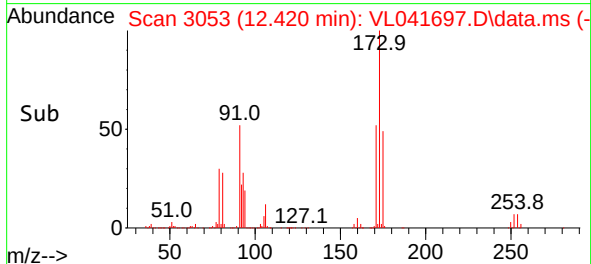
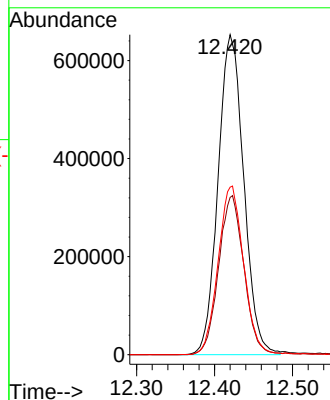
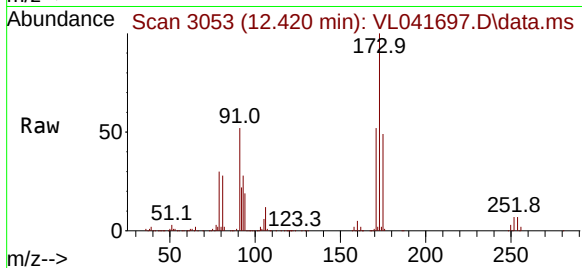
Tgt Ion:173 Resp: 1497113

Ion Ratio Lower Upper

173 100

175 49.4 39.2 58.8

171 52.5 41.7 62.5



#50

4-Methyl-2-Pentanone

Concen: 10.950 ppbv

RT: 8.192 min Scan# 1738

Delta R.T. 0.013 min

Lab File: VL041697.D

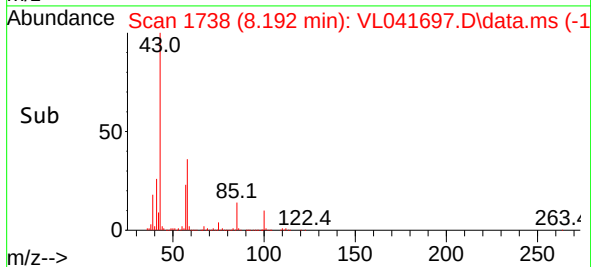
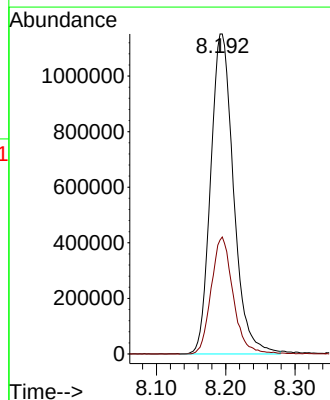
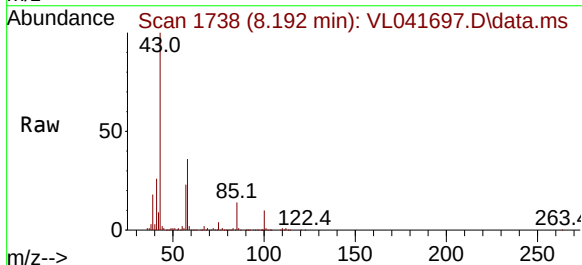
Acq: 20 Nov 2024 8:09

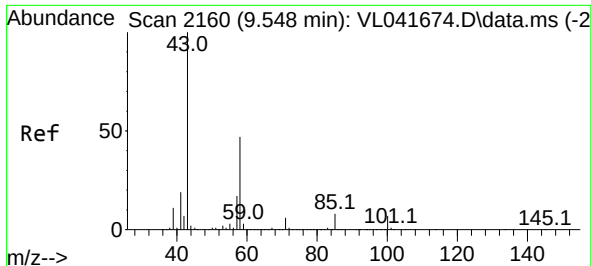
Tgt Ion: 43 Resp: 2640409

Ion Ratio Lower Upper

43 100

58 35.2 27.7 41.5

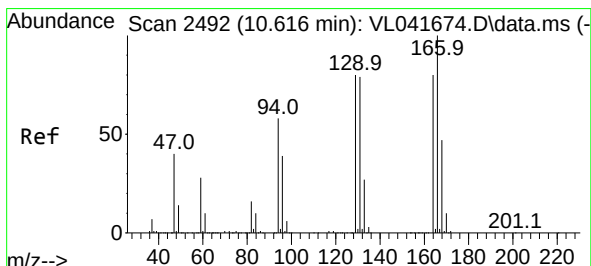
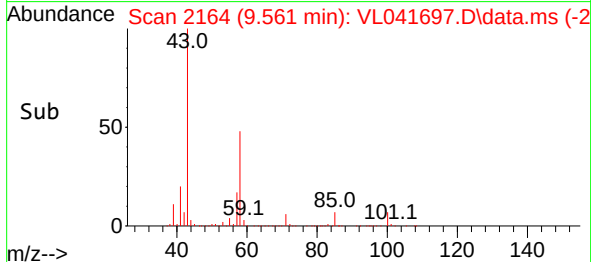
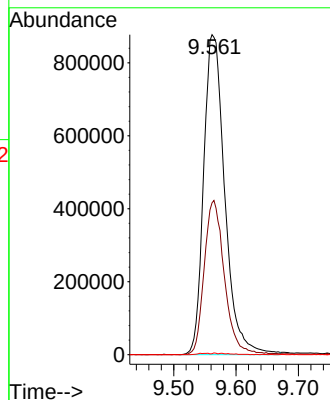
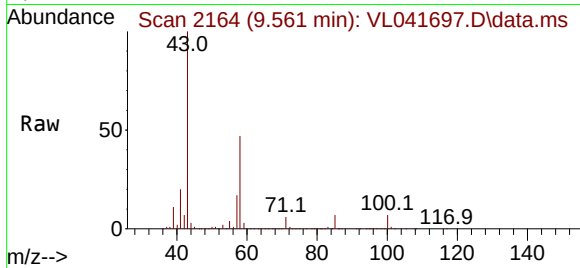




#51
2-Hexanone
Concen: 11.773 ppbv
RT: 9.561 min Scan# 2160
Delta R.T. 0.013 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

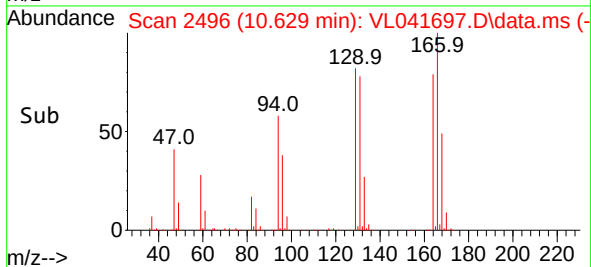
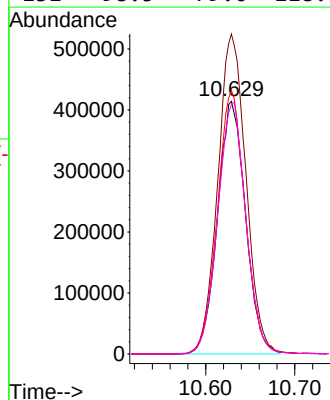
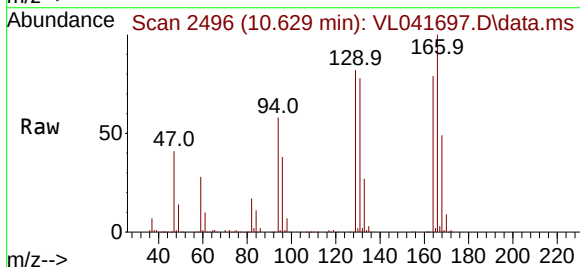
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

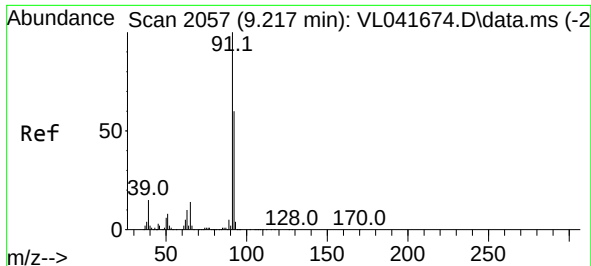
Tgt Ion: 43 Resp: 2067266
Ion Ratio Lower Upper
43 100
58 46.3 37.0 55.6
98 0.6 0.6 0.8



#52
Tetrachloroethene
Concen: 11.336 ppbv
RT: 10.629 min Scan# 2496
Delta R.T. 0.013 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Tgt Ion:164 Resp: 902967
Ion Ratio Lower Upper
164 100
166 126.6 100.2 150.4
129 104.2 79.7 119.5
131 98.5 79.0 118.4

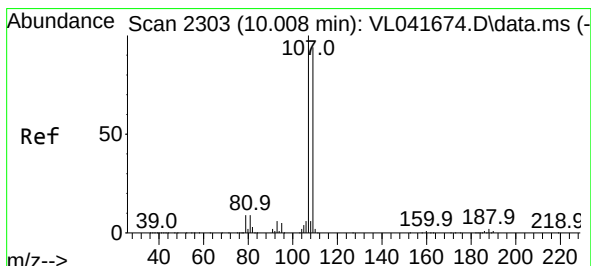
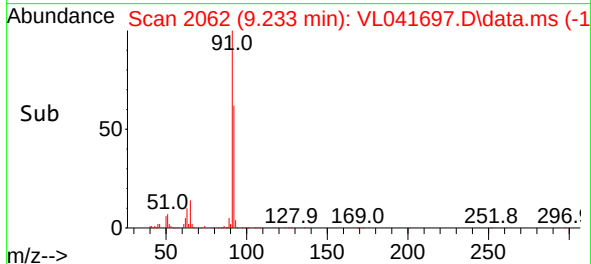
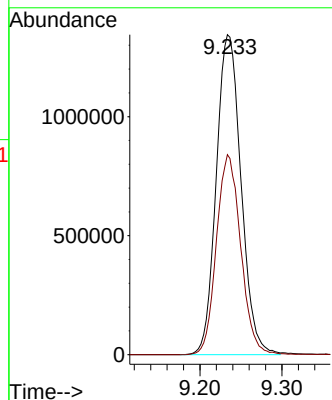
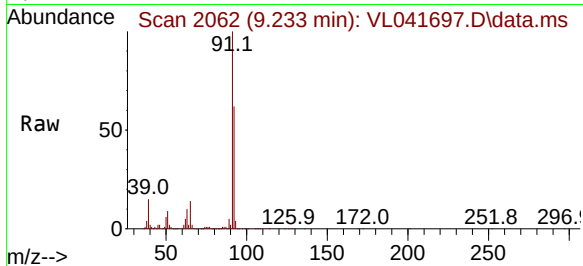




#53
Toluene
Concen: 11.509 ppbv
RT: 9.233 min Scan# 2057
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

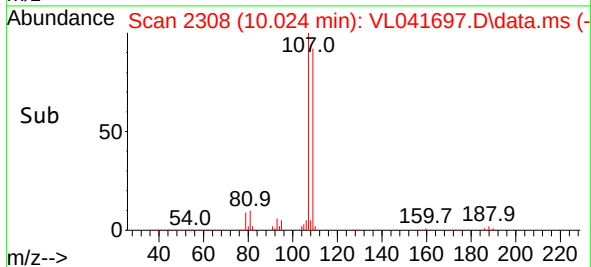
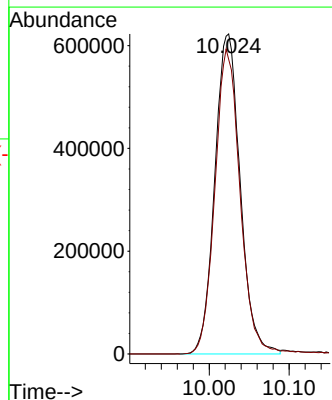
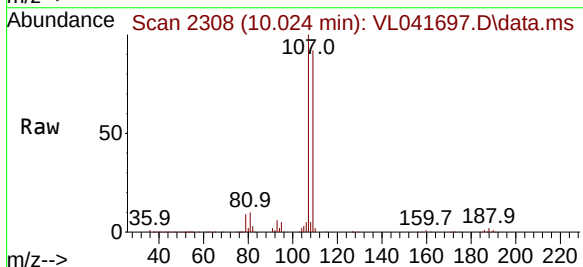
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

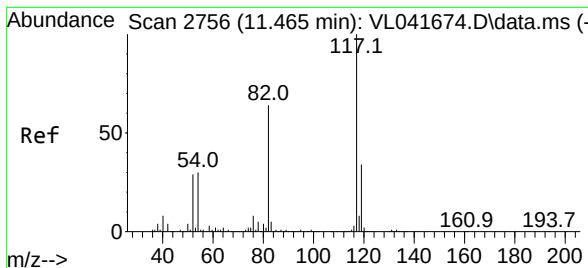
Tgt Ion: 91 Resp: 2828799
Ion Ratio Lower Upper
91 100
92 61.3 49.0 73.4



#54
1,2-Dibromoethane
Concen: 11.753 ppbv
RT: 10.024 min Scan# 2308
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Tgt Ion: 107 Resp: 1372700
Ion Ratio Lower Upper
107 100
109 92.1 74.9 112.3

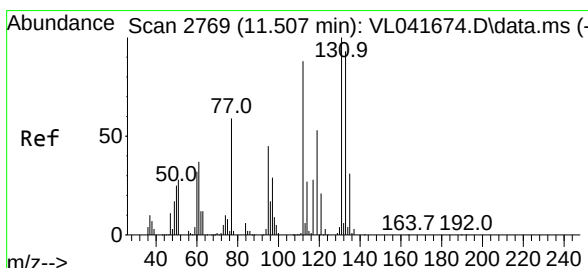
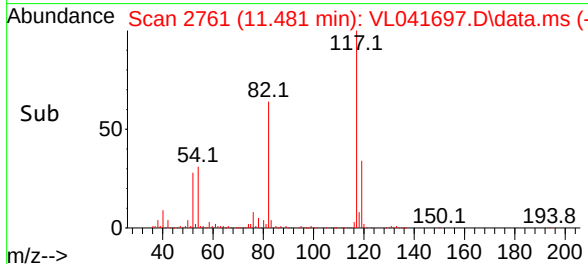
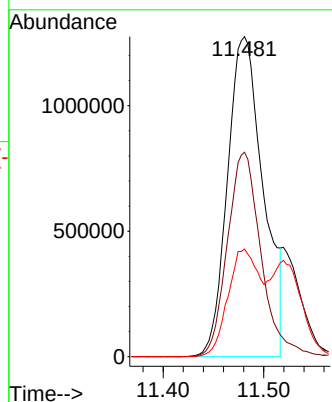
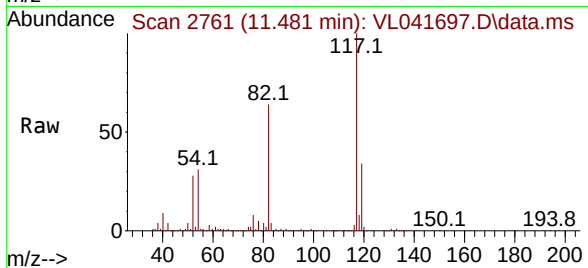




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.481 min Scan# 2117
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

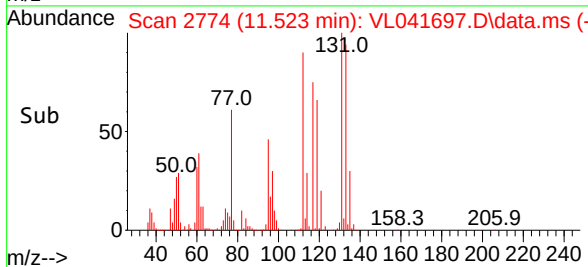
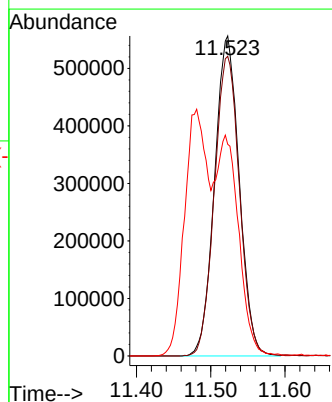
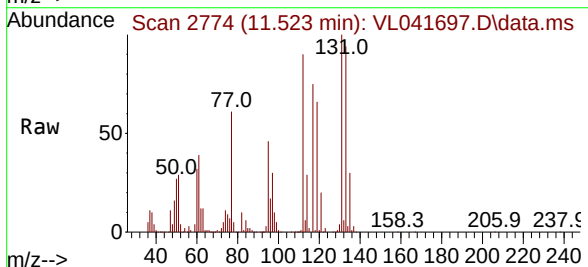
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

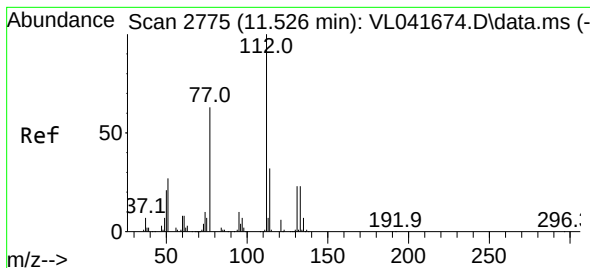
Tgt Ion:117 Resp: 3151187
Ion Ratio Lower Upper
117 100
82 60.6 49.8 74.8
119 31.4 24.2 36.4



#56
1,1,1,2-Tetrachloroethane
Concen: 9.877 ppbv
RT: 11.523 min Scan# 2774
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Tgt Ion:131 Resp: 1283659
Ion Ratio Lower Upper
131 100
133 95.7 76.5 114.7
119 61.9 49.8 74.8

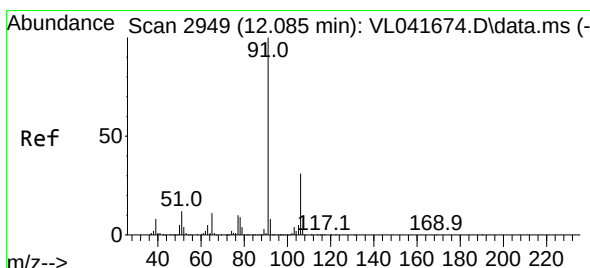
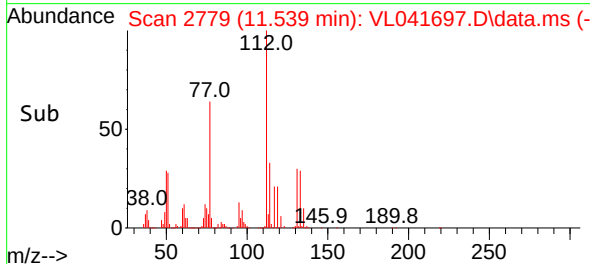
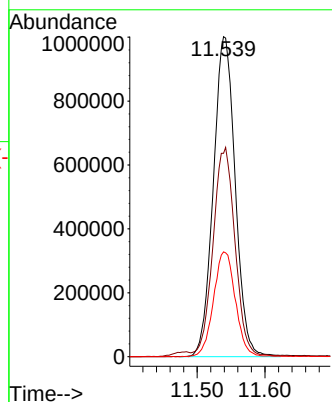
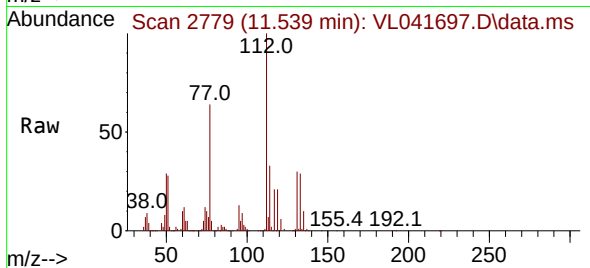




#57
Chlorobenzene
Concen: 9.643 ppbv
RT: 11.539 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

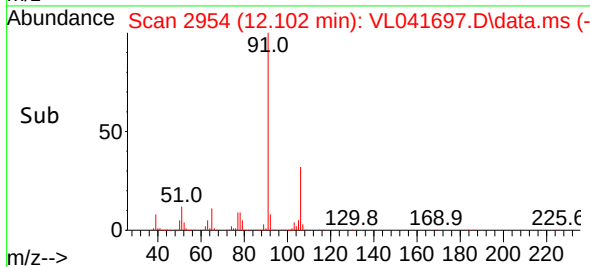
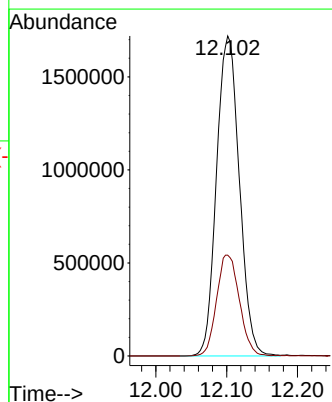
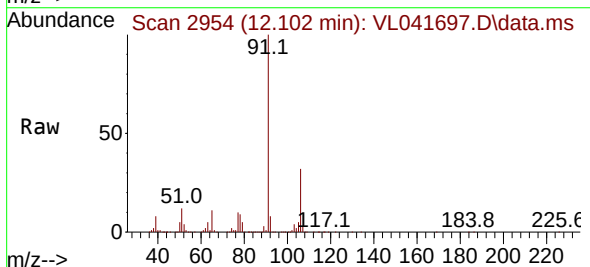
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

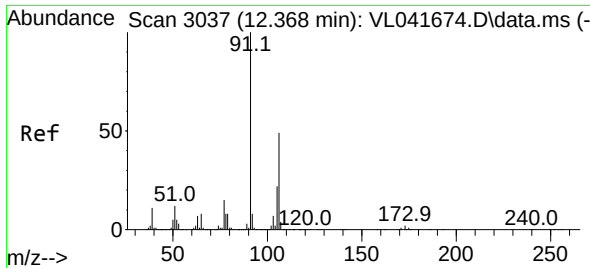
Tgt Ion:112 Resp: 2247475
Ion Ratio Lower Upper
112 100
77 63.2 51.4 77.2
114 32.8 28.4 34.8



#58
Ethyl Benzene
Concen: 11.125 ppbv
RT: 12.102 min Scan# 2954
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Tgt Ion: 91 Resp: 3843108
Ion Ratio Lower Upper
91 100
106 31.5 24.9 37.3





#59

m/p-Xylene

Concen: 11.188 ppbv

RT: 12.384 min Scan# 3037

Delta R.T. 0.016 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

Instrument :

MSVOA_L

ClientSampleId :

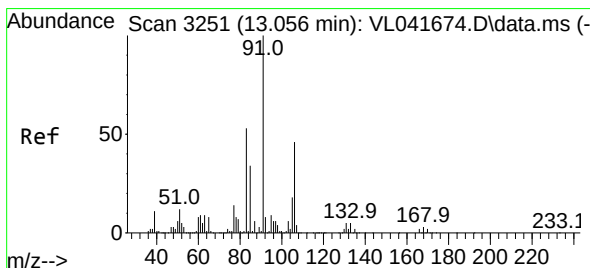
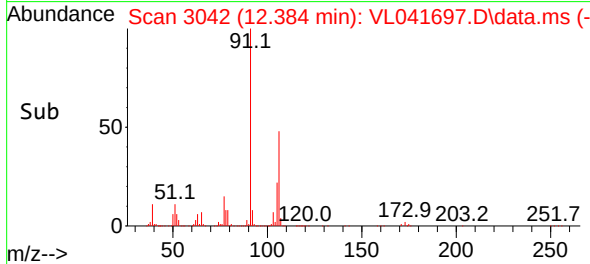
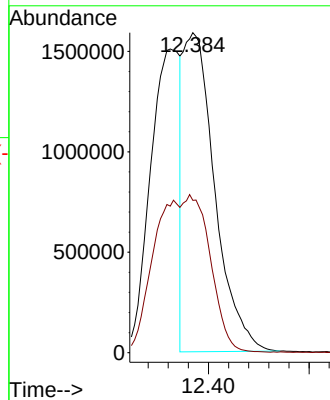
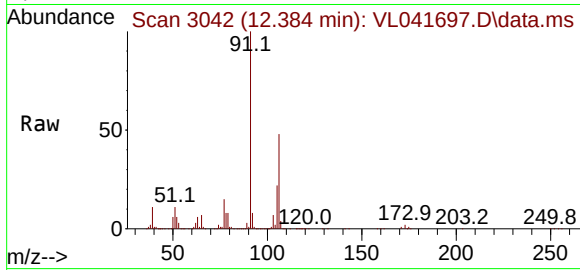
VSTDCCC010

Tgt Ion: 91 Resp: 3461250

Ion Ratio Lower Upper

91 100

106 86.8 36.9 55.3#



#60

o-Xylene

Concen: 10.765 ppbv

RT: 13.073 min Scan# 3256

Delta R.T. 0.016 min

Lab File: VL041697.D

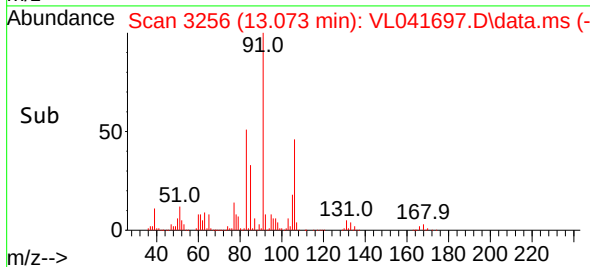
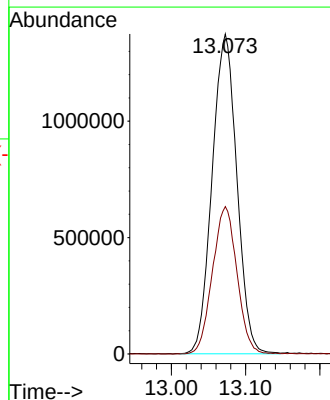
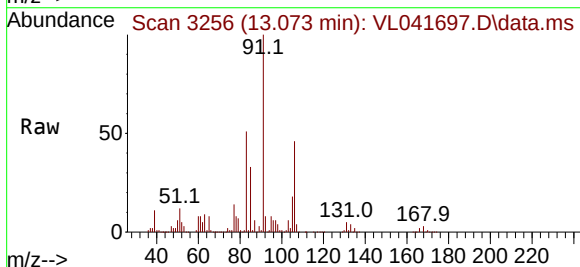
Acq: 20 Nov 2024 8:09

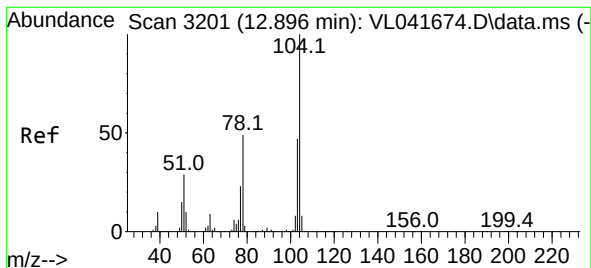
Tgt Ion: 91 Resp: 3175724

Ion Ratio Lower Upper

91 100

106 45.8 23.2 69.6





#61

Styrene

Concen: 12.528 ppbv

RT: 12.909 min Scan# 31

Delta R.T. 0.013 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

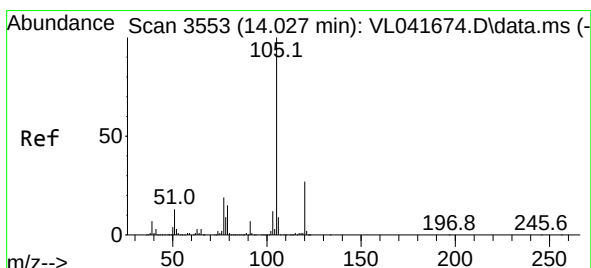
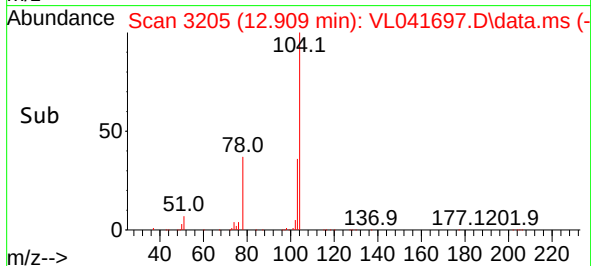
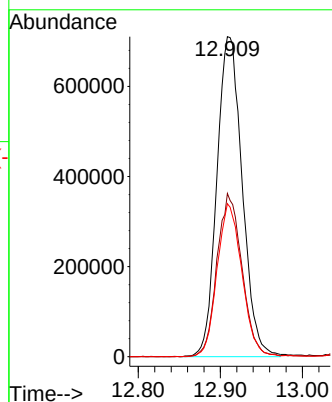
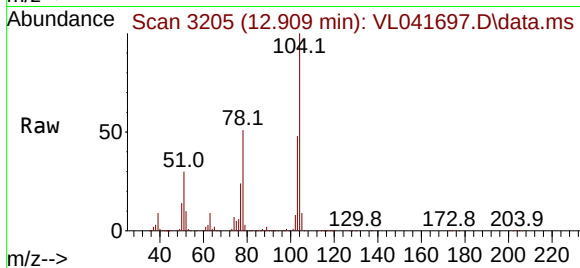
Tgt Ion:104 Resp: 1525338

Ion Ratio Lower Upper

104 100

78 50.4 39.8 59.8

103 47.1 37.4 56.0



#62

Isopropylbenzene

Concen: 10.279 ppbv

RT: 14.044 min Scan# 3558

Delta R.T. 0.016 min

Lab File: VL041697.D

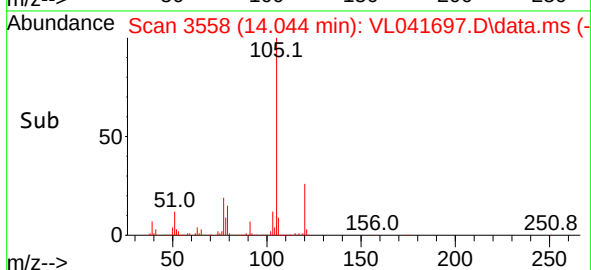
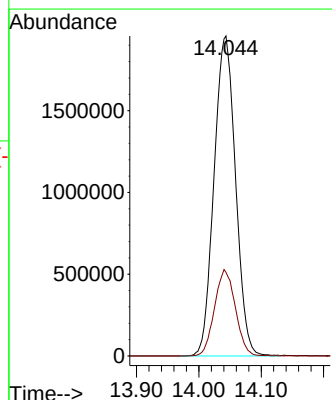
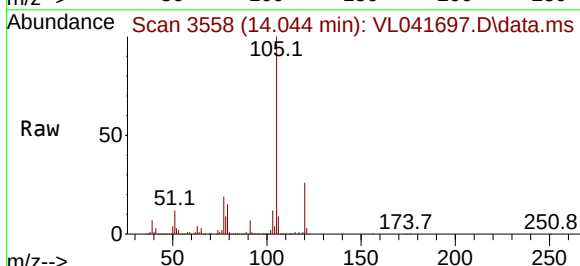
Acq: 20 Nov 2024 8:09

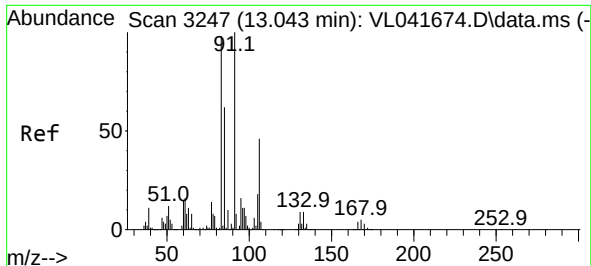
Tgt Ion:105 Resp: 4683267

Ion Ratio Lower Upper

105 100

120 26.3 21.1 31.7

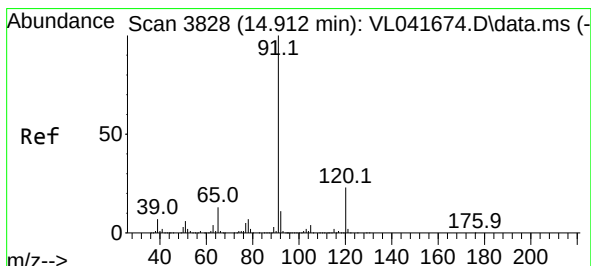
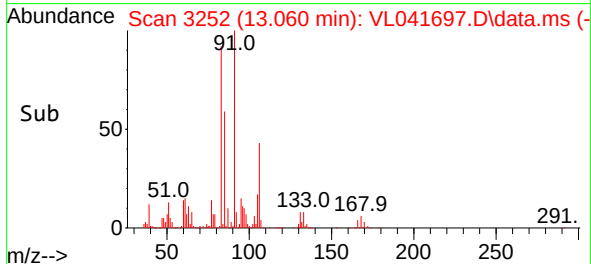
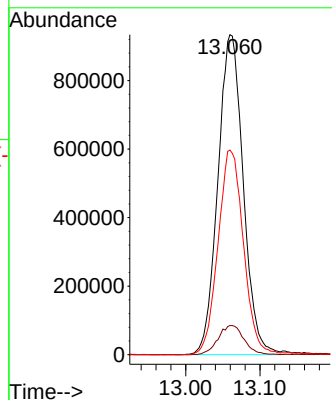
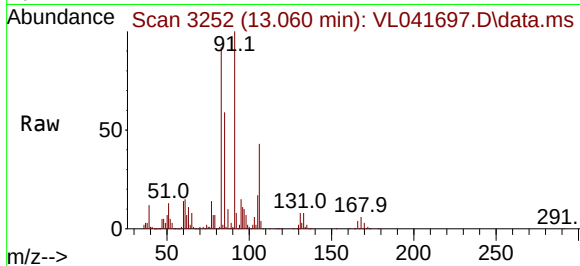




#63
1,1,2,2-Tetrachloroethane
Concen: 10.206 ppbv
RT: 13.060 min Scan# 31
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

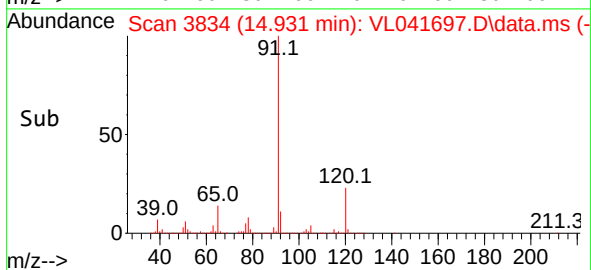
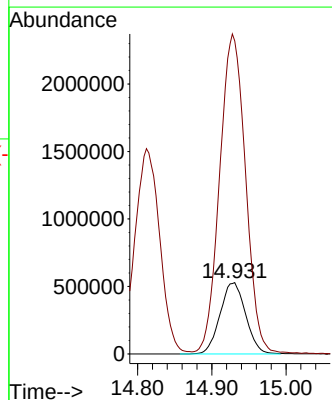
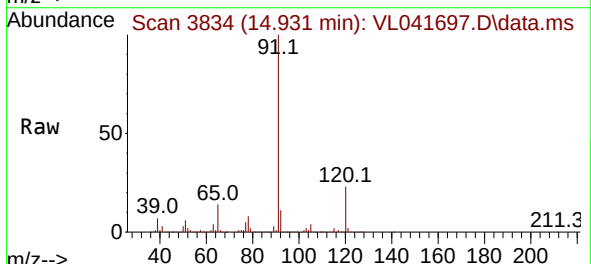
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

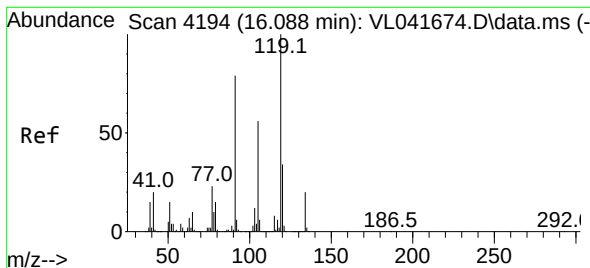
Tgt Ion: 83 Resp: 2214634
Ion Ratio Lower Upper
83 100
131 9.4 4.8 14.3
85 64.8 32.6 98.0



#64
n-propylbenzene
Concen: 10.613 ppbv
RT: 14.931 min Scan# 3834
Delta R.T. 0.019 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Tgt Ion:120 Resp: 1265758
Ion Ratio Lower Upper
120 100
91 455.9 362.4 543.6





#65

tert-Butylbenzene

Concen: 10.232 ppbv

RT: 16.101 min Scan# 41

Delta R.T. 0.013 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

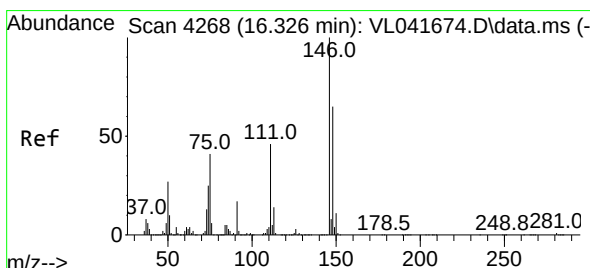
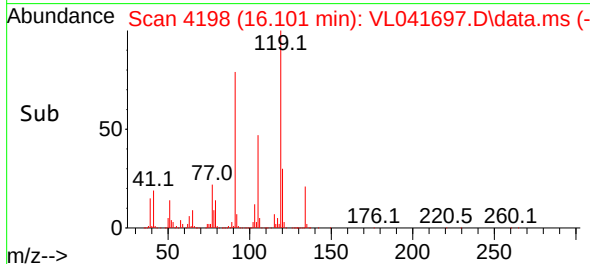
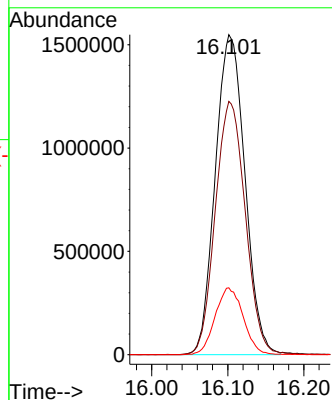
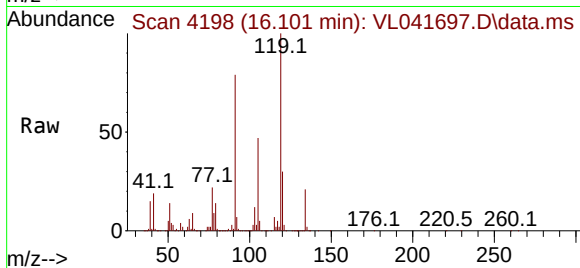
Tgt Ion:119 Resp: 4189774

Ion Ratio Lower Upper

119 100

91 80.4 64.3 96.5

134 19.9 15.8 23.8



#66

Benzyl Chloride

Concen: 11.768 ppbv

RT: 16.342 min Scan# 4273

Delta R.T. 0.016 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

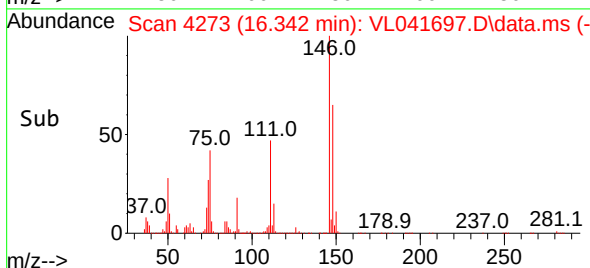
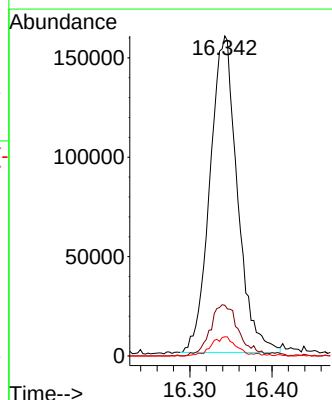
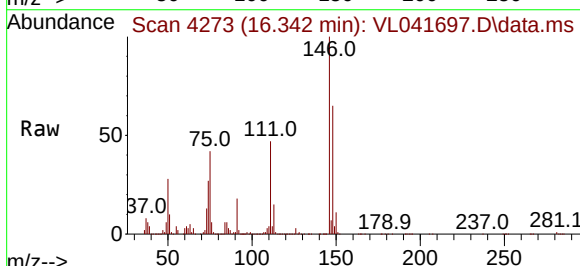
Tgt Ion: 91 Resp: 370716

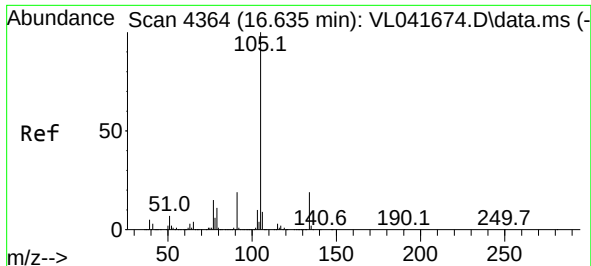
Ion Ratio Lower Upper

91 100

126 17.4 13.8 20.6

128 5.8 4.3 6.5





#67

sec-Butylbenzene

Concen: 10.193 ppbv

RT: 16.648 min Scan# 41

Delta R.T. 0.013 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

Instrument :

MSVOA_L

ClientSampleId :

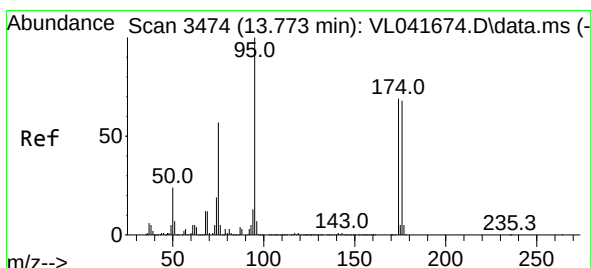
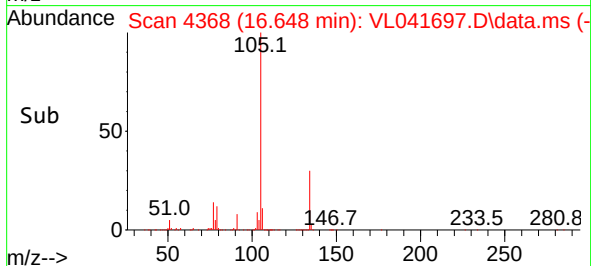
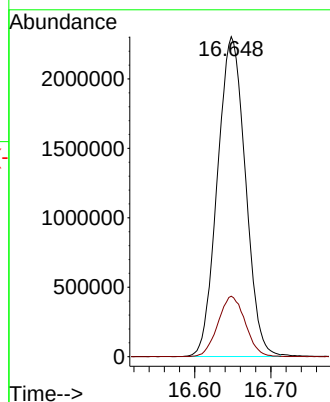
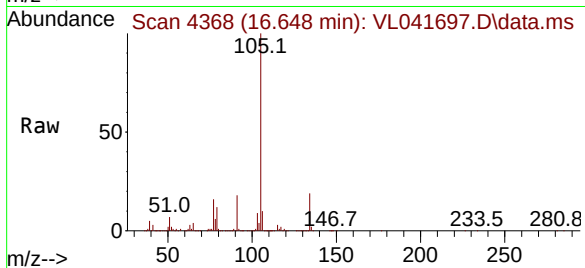
VSTDCCC010

Tgt Ion:105 Resp: 5882804

Ion Ratio Lower Upper

105 100

134 18.5 14.6 22.0



#68

1-Bromo-4-Fluorobenzene

Concen: 9.949 ppbv

RT: 13.786 min Scan# 3478

Delta R.T. 0.013 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

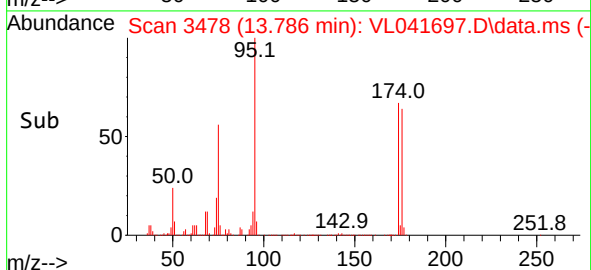
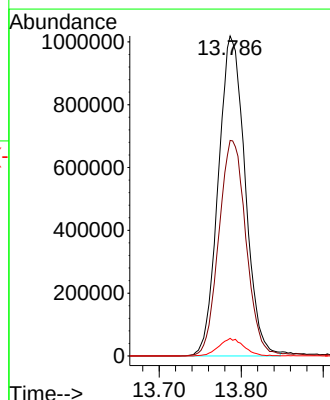
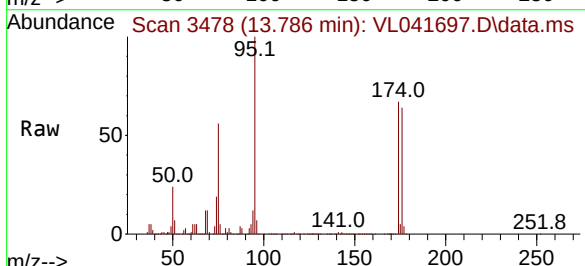
Tgt Ion: 95 Resp: 2309915

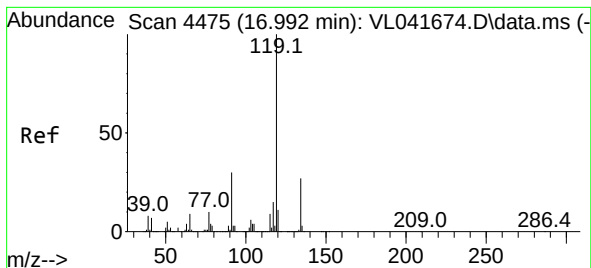
Ion Ratio Lower Upper

95 100

174 69.5 55.6 83.4

175 5.2 4.2 6.2

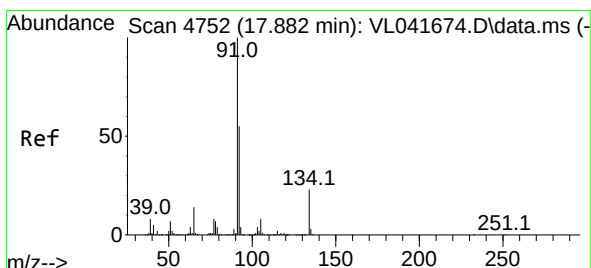
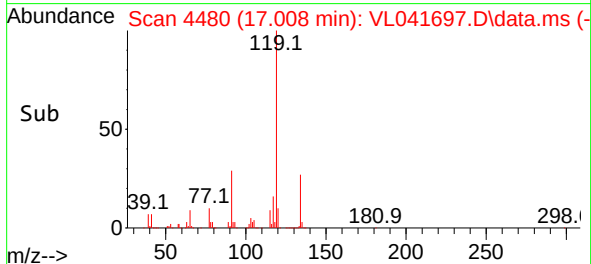
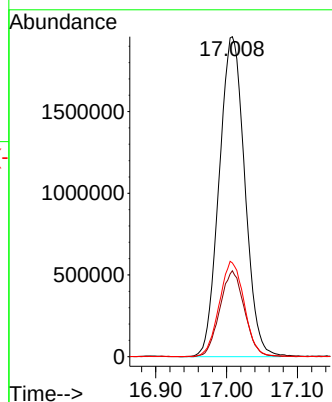
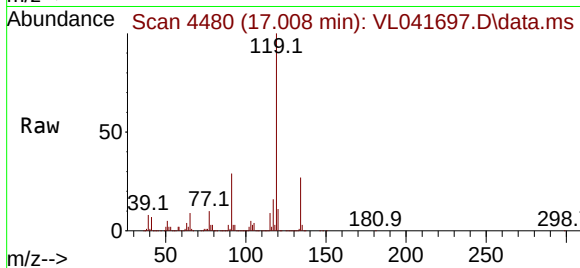




#69
p-Isopropyltoluene
Concen: 10.526 ppbv
RT: 17.008 min Scan# 4475
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

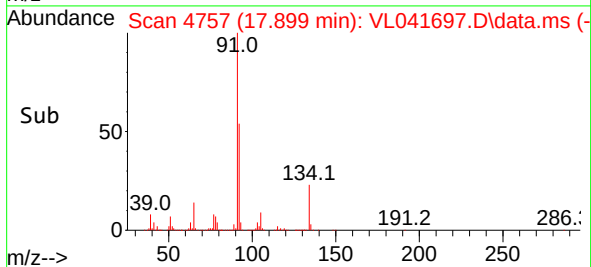
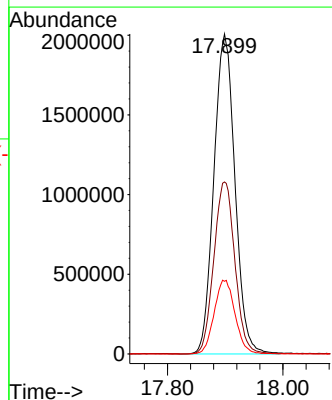
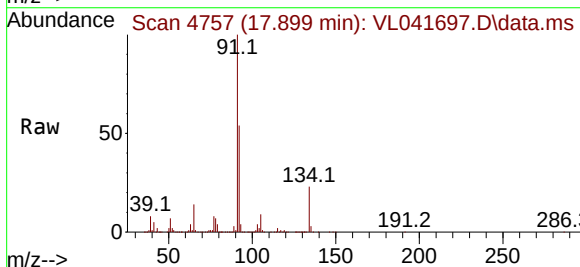
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

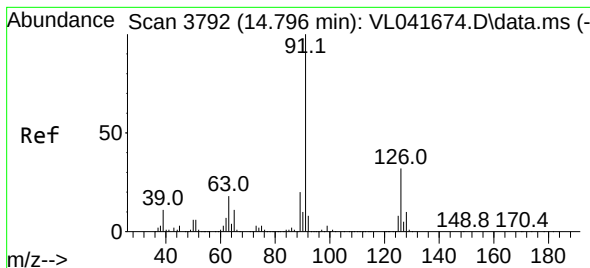
Tgt Ion:119 Resp: 4911348
Ion Ratio Lower Upper
119 100
134 25.9 20.8 31.2
91 29.2 23.2 34.8



#70
n-Butylbenzene
Concen: 10.634 ppbv
RT: 17.899 min Scan# 4757
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Tgt Ion: 91 Resp: 5076678
Ion Ratio Lower Upper
91 100
92 53.9 43.3 64.9
134 23.0 18.4 27.6

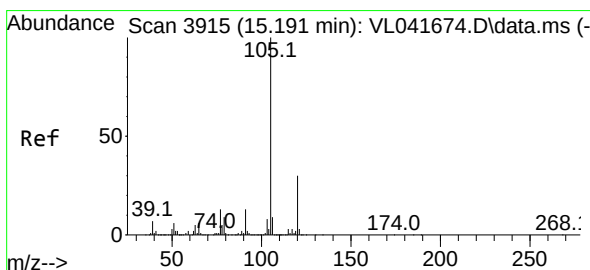
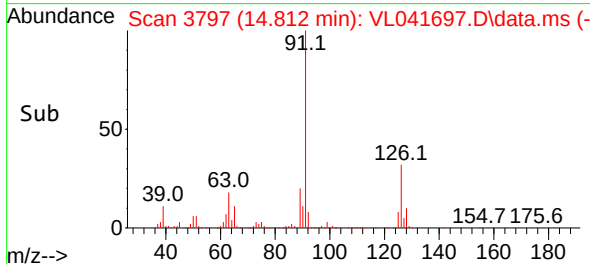
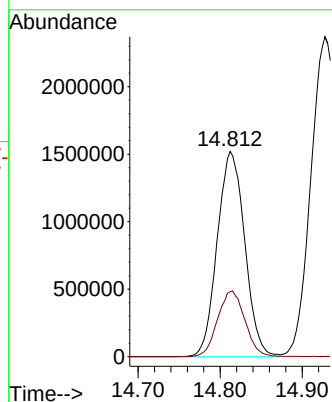
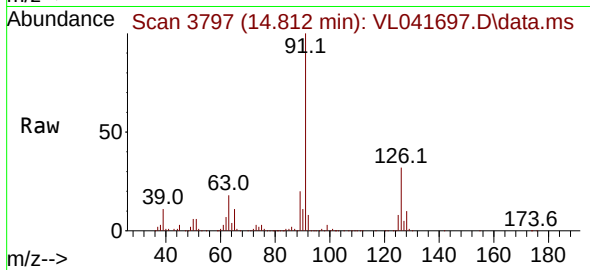




#71
2-Chlorotoluene
Concen: 10.754 ppbv
RT: 14.812 min Scan# 31
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

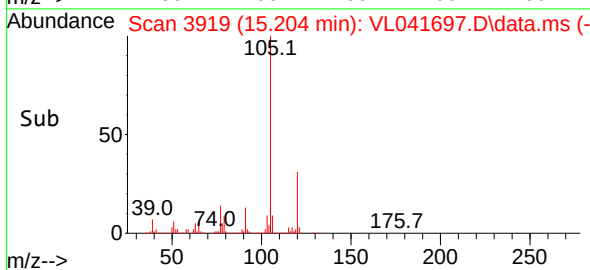
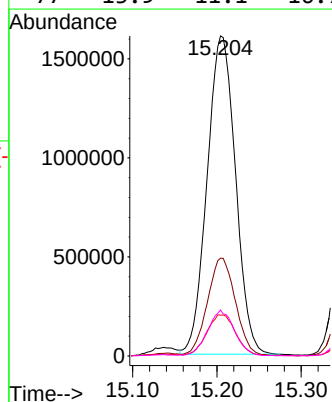
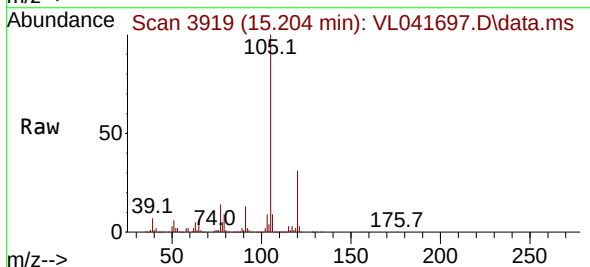
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

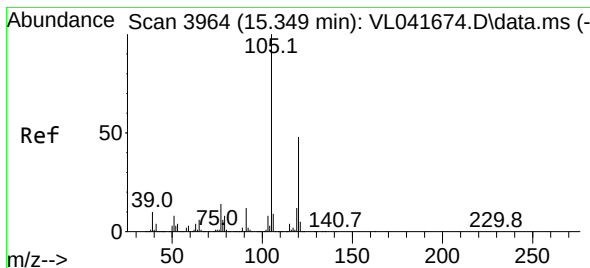
Tgt Ion: 91 Resp: 3541658
Ion Ratio Lower Upper
91 100
126 31.9 12.8 51.0



#72
4-Ethyltoluene
Concen: 10.987 ppbv
RT: 15.204 min Scan# 3919
Delta R.T. 0.013 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Tgt Ion: 105 Resp: 3768131
Ion Ratio Lower Upper
105 100
120 31.4 25.0 37.4
91 13.7 10.6 15.8
77 13.9 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 10.734 ppbv

RT: 15.362 min Scan# 3964

Delta R.T. 0.013 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

Instrument :

MSVOA_L

ClientSampleId :

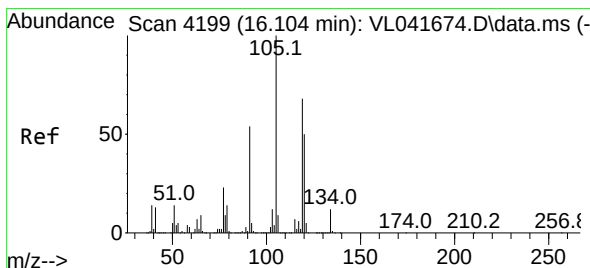
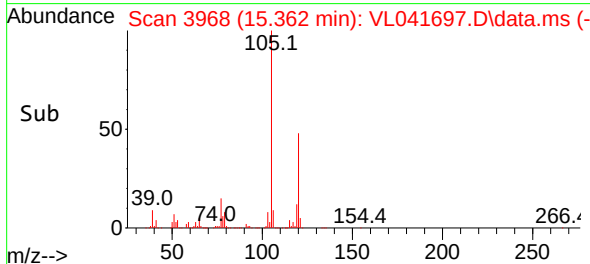
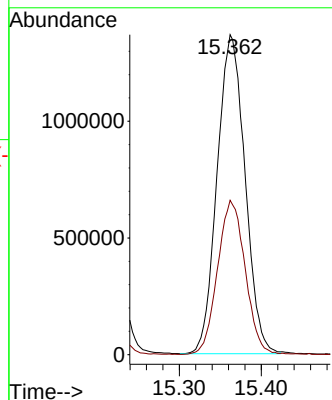
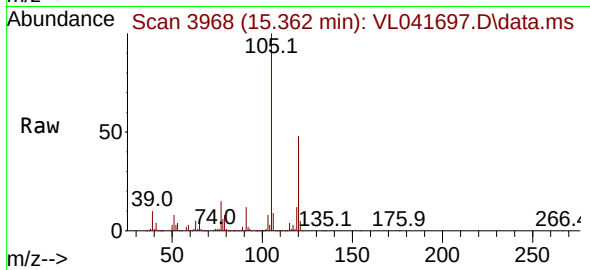
VSTDCCC010

Tgt Ion:105 Resp: 3230569

Ion Ratio Lower Upper

105 100

120 48.3 38.4 57.6



#74

1,2,4-Trimethylbenzene

Concen: 10.295 ppbv

RT: 16.121 min Scan# 4204

Delta R.T. 0.016 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

Tgt Ion:105 Resp: 3599066

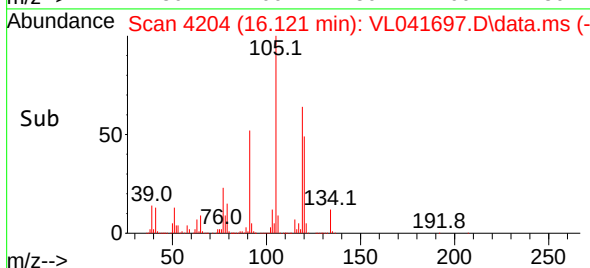
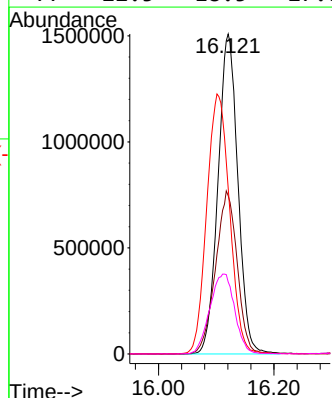
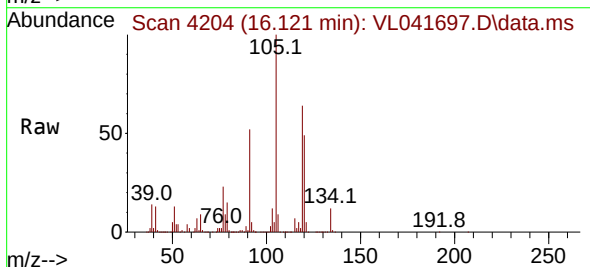
Ion Ratio Lower Upper

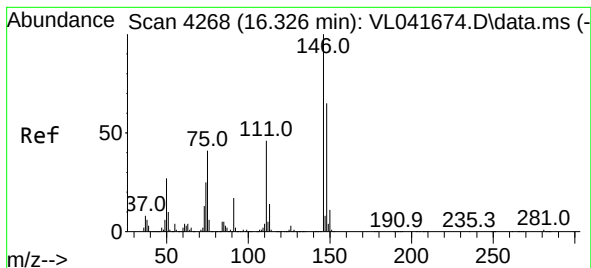
105 100

120 49.4 39.8 59.8

91 51.8 43.2 64.8

77 22.5 18.5 27.7





#75

1,3-Dichlorobenzene

Concen: 10.258 ppbv

RT: 16.346 min Scan# 41

Delta R.T. 0.019 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

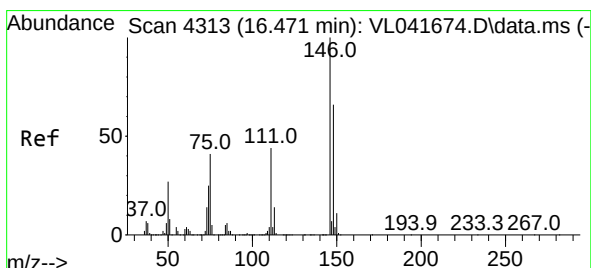
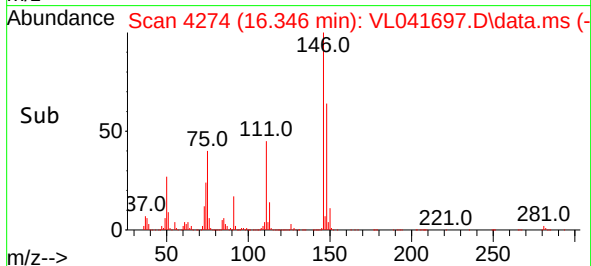
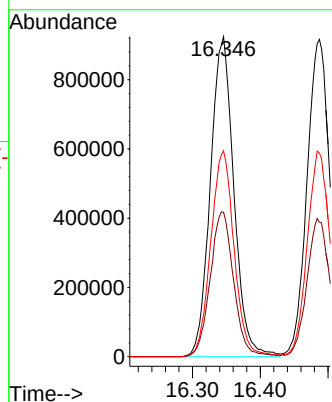
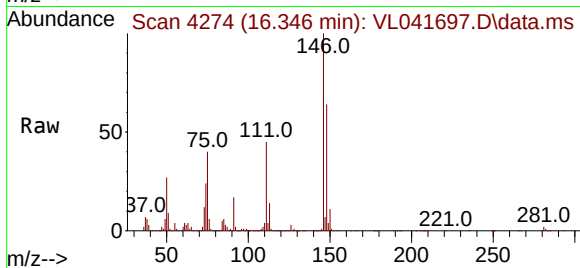
Tgt Ion:146 Resp: 2220877

Ion Ratio Lower Upper

146 100

111 45.1 22.8 68.3

148 64.0 32.4 97.0



#76

1,4-Dichlorobenzene

Concen: 10.453 ppbv

RT: 16.487 min Scan# 4318

Delta R.T. 0.016 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

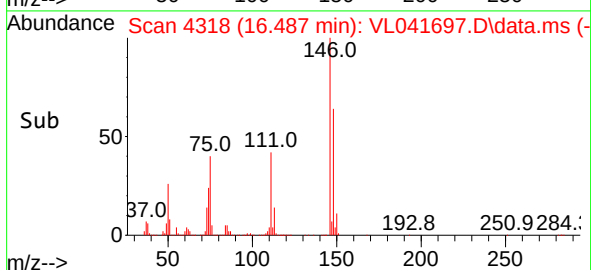
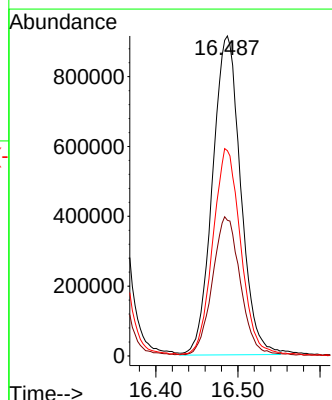
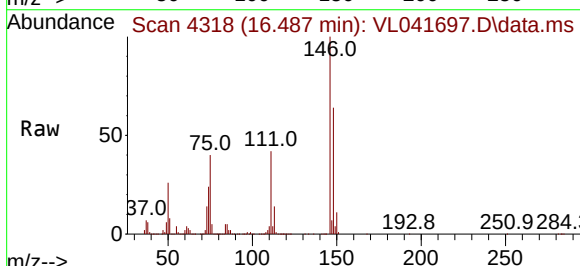
Tgt Ion:146 Resp: 2183586

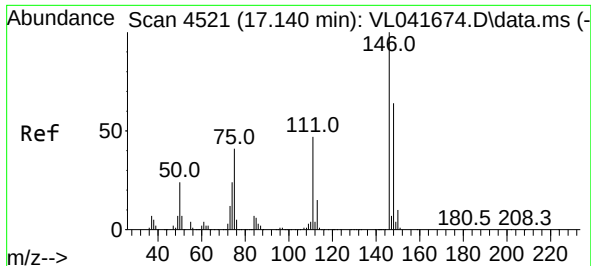
Ion Ratio Lower Upper

146 100

111 43.7 22.1 66.3

148 64.5 33.3 99.8

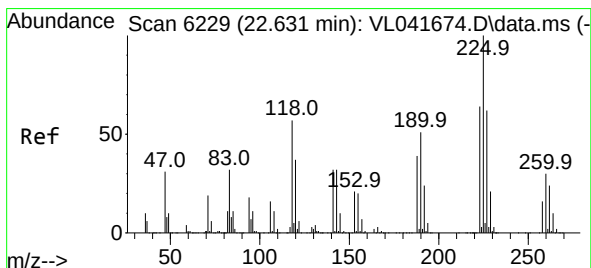
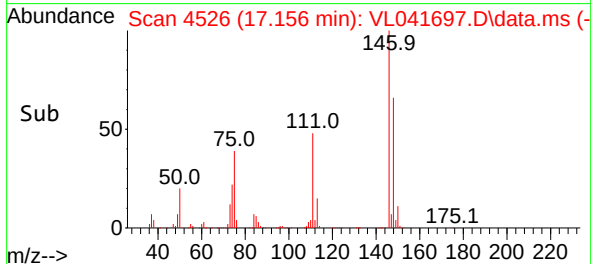
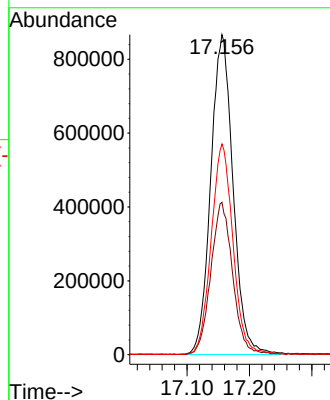
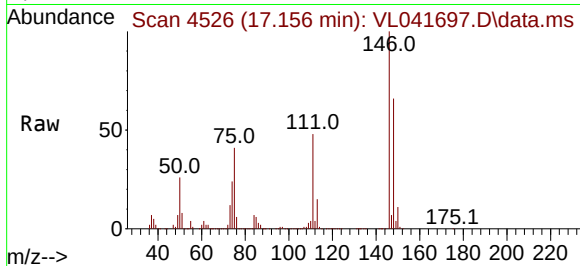




#77
1,2-Dichlorobenzene
Concen: 10.020 ppbv
RT: 17.156 min Scan# 41
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

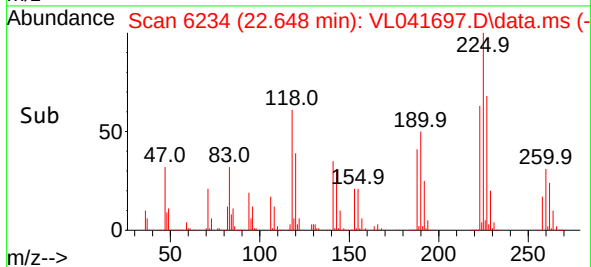
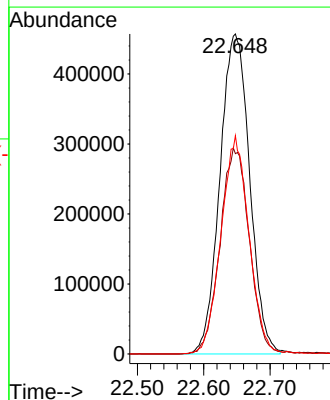
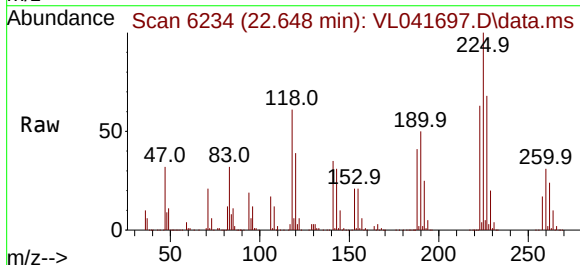
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

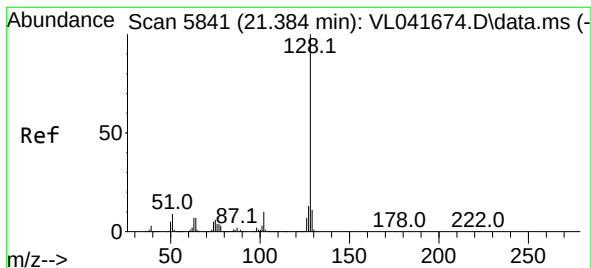
Tgt Ion:146 Resp: 2149012
Ion Ratio Lower Upper
146 100
111 46.5 23.4 70.3
148 64.8 32.1 96.5



#78
Hexachloro-1,3-Butadiene
Concen: 8.400 ppbv
RT: 22.648 min Scan# 6234
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Tgt Ion:225 Resp: 1424868
Ion Ratio Lower Upper
225 100
223 63.6 51.1 76.7
227 64.4 51.3 76.9





#79

Naphthalene

Concen: 13.008 ppbv

RT: 21.400 min Scan# 5846

Delta R.T. 0.016 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

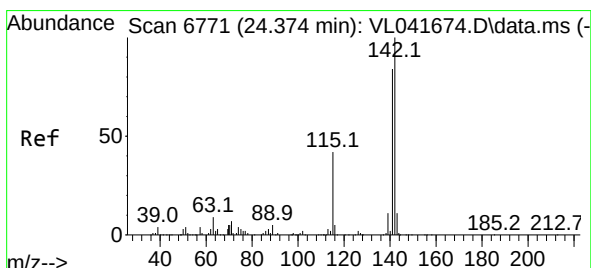
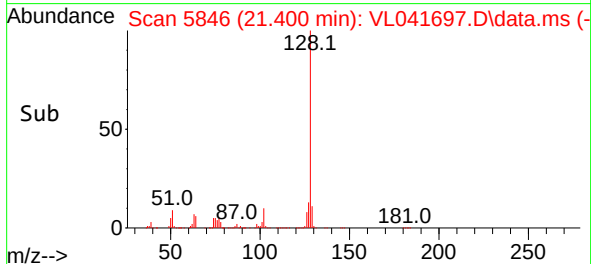
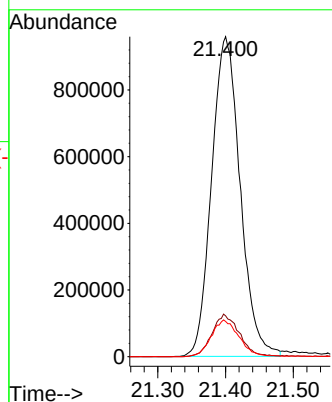
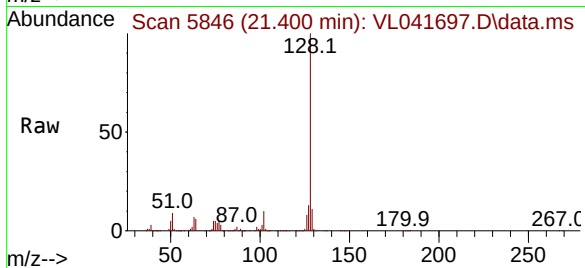
Tgt Ion:128 Resp: 2807004

Ion Ratio Lower Upper

128 100

127 12.8 10.5 15.7

129 11.0 8.7 13.1



#80

Naphthalene,2-methyl-

Concen: 11.811 ppbv

RT: 24.387 min Scan# 6775

Delta R.T. 0.013 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

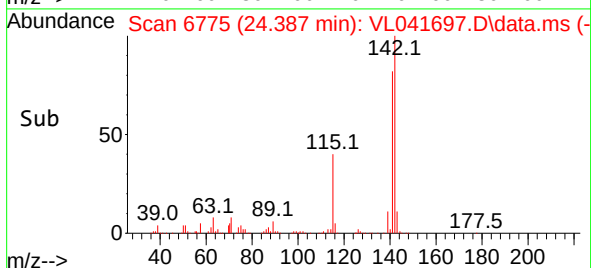
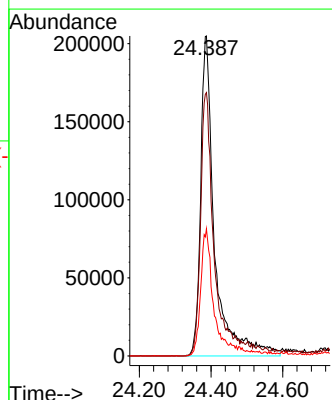
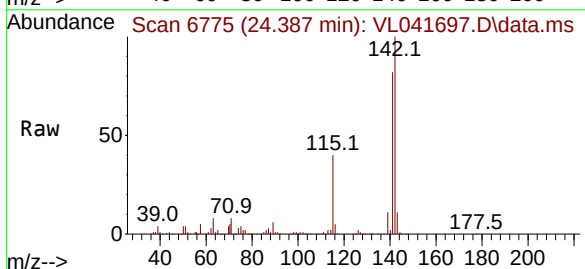
Tgt Ion:142 Resp: 555593

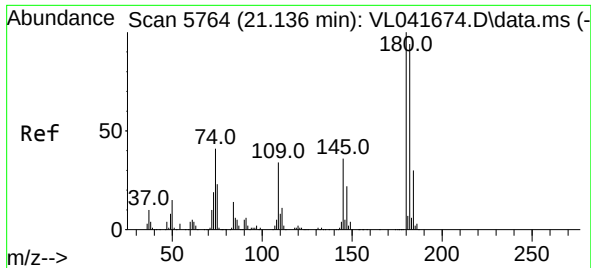
Ion Ratio Lower Upper

142 100

141 83.0 68.1 102.1

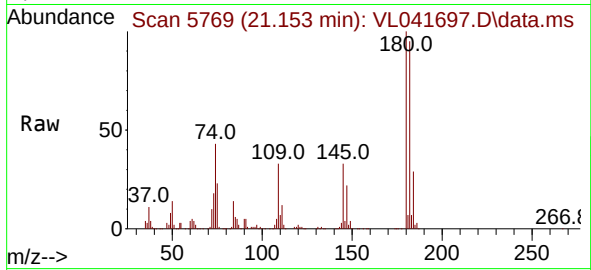
115 39.5 33.1 49.7





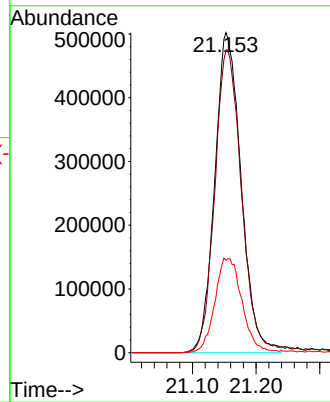
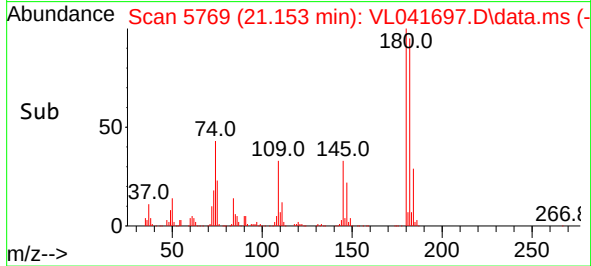
#81
 1,2,4-Trichlorobenzene
 Concen: 10.624 ppbv
 RT: 21.153 min Scan# 51
 Delta R.T. 0.016 min
 Lab File: VL041697.D
 Acq: 20 Nov 2024 8:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



Tgt Ion:180 Resp: 1441690

Ion	Ratio	Lower	Upper
180	100		
182	96.9	78.2	117.2
184	30.7	25.0	37.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112024\
 Data File : VL041699.D
 Acq On : 20 Nov 2024 13:15
 Operator : SY/MD
 Sample : VL1120ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1120ABS01

Quant Time: Nov 21 05:09:19 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

QLast Update : Fri Nov 08 01:01:00 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.208	49	1163679	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.671	114	3239097	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.484	117	3750301	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.793	95	2329378	8.430	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	84.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.745	85	1526580	7.258	ppbv	99
3) Chlorodifluoromethane	2.687	51	1354532	8.934	ppbv	99
4) Chloromethane	2.829	50	744862	9.275	ppbv	96
5) Vinyl Chloride	2.935	62	719166	9.955	ppbv	100
6) Bromomethane	3.134	94	362376	9.456	ppbv	99
7) Chloroethane	3.211	64	242910	9.213	ppbv	99
8) Dichlorotetrafluoroethane	2.870	85	1692833	9.016	ppbv	99
9) Propene	2.710	41	596424	9.028	ppbv	100
10) Heptane	7.594	43	1524430	10.297	ppbv	99
11) Trichlorofluoromethane	3.578	101	1716777	9.371	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.083	101	1253402	9.413	ppbv	99
13) Ethanol	3.263	45	28536	7.054	ppbv	80
14) Bromoethene	3.382	108	504396	9.423	ppbv	98
15) Acetone	3.481	43	1306457	9.122	ppbv	100
16) 1,3-Butadiene	2.999	39	715603	9.903	ppbv	100
17) tert-Butyl alcohol	3.893	59	1194748	9.507	ppbv	99
18) 1,1-Dichloroethene	3.893	96	557361	9.544	ppbv	94
19) Isopropyl Alcohol	3.591	45	622976	9.101	ppbv	98
20) Methylene Chloride	3.947	84	468186	8.884	ppbv	97
21) Allyl Chloride	4.012	41	874140	9.878	ppbv	99
22) trans-1,2-Dichloroethene	4.462	96	552930	9.522	ppbv	96
23) Vinyl Acetate	4.642	43	578556	9.164	ppbv	99
24) 1,1-Dichloroethane	4.578	63	1200413	9.261	ppbv	99
25) Ethyl Acetate	5.221	43	2817969	9.506	ppbv	100
26) Hexane	5.227	57	1108983	9.737	ppbv	99
27) Carbon Disulfide	4.140	76	1366173	10.677	ppbv	100
28) Methyl tert-Butyl Ether	4.600	73	647293	8.826	ppbv	99
29) Chloroform	5.291	83	1773915	9.436	ppbv	100
30) Cyclohexane	6.619	84	951807	9.815	ppbv	99
31) cis-1,2-Dichloroethene	5.095	61	1074877	9.810	ppbv	99
32) 1,1,1-Trichloroethane	6.018	97	1728793	10.080	ppbv	99
34) 2-Butanone	4.800	43	1501583	9.310	ppbv	99
35) Carbon Tetrachloride	6.510	117	1826480	10.688	ppbv	99
36) Benzene	6.388	78	2387291	9.947	ppbv	99
37) 1,2-Dichloroethane	5.822	62	1319263	9.744	ppbv	99
38) Trichloroethene	7.307	130	980257	10.635	ppbv	99
39) 1,2-Dichloropropane	7.092	63	925581	9.759	ppbv	98
40) 1,4-Dioxane	7.301	88	360556	10.596	ppbv	99
41) Tetrahydrofuran	5.571	42	944780	10.257	ppbv	99
42) Bromodichloromethane	7.269	83	1909198	10.147	ppbv	99
43) Methyl Methacrylate	7.491	69	920452	10.923	ppbv	99
44) 2,2,4-Trimethylpentane	7.343	57	4048166	9.958	ppbv	100
45) t-1,3-Dichloropropene	8.729	75	880781	11.439	ppbv	97

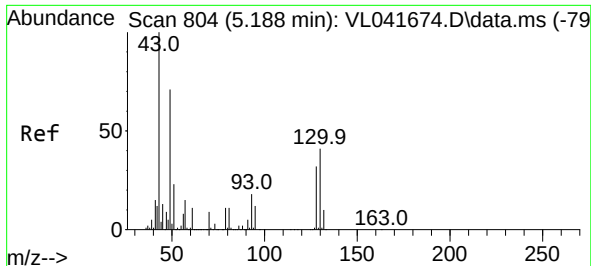
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 Acq On : 20 Nov 2024 13:15
 Operator : SY/MD
 Sample : VL1120ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1120ABS01

Quant Time: Nov 21 05:09:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Nov 08 01:01:00 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.160	75	1226432	11.089	ppbv	97
47) 1,1,2-Trichloroethane	8.918	97	1003450	9.776	ppbv	98
48) Dibromochloromethane	9.729	129	1658425	10.628	ppbv	100
49) Bromoform	12.423	173	1485005	11.123	ppbv	100
50) 4-Methyl-2-Pentanone	8.198	43	2593146	10.473	ppbv	100
51) 2-Hexanone	9.568	43	2018735	11.196	ppbv	99
52) Tetrachloroethene	10.632	164	887903	10.856	ppbv	98
53) Toluene	9.237	91	2780287	11.016	ppbv	99
54) 1,2-Dibromoethane	10.028	107	1343883	11.206	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.526	131	1272657	8.228	ppbv	99
57) Chlorobenzene	11.542	112	2224042	8.018	ppbv	98
58) Ethyl Benzene	12.105	91	3779084	9.192	ppbv	99
59) m/p-Xylene	12.391	91	3514133	9.544	ppbv #	42
60) o-Xylene	13.076	91	3111959	8.864	ppbv	100
61) Styrene	12.915	104	1503740	10.377	ppbv	100
62) Isopropylbenzene	14.047	105	4628133	8.535	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.066	83	2179613	8.440	ppbv	100
64) n-propylbenzene	14.931	120	1264315	8.907	ppbv	99
65) tert-Butylbenzene	16.108	119	4185885	8.589	ppbv	100
66) Benzyl Chloride	16.342	91	189850	5.064	ppbv #	71
67) sec-Butylbenzene	16.651	105	5912468	8.608	ppbv	100
69) p-Isopropyltoluene	17.011	119	4955798	8.925	ppbv	100
70) n-Butylbenzene	17.902	91	5094738	8.967	ppbv	100
71) 2-Chlorotoluene	14.818	91	3506297	8.946	ppbv	100
72) 4-Ethyltoluene	15.211	105	3790505	9.286	ppbv	99
73) 1,3,5-Trimethylbenzene	15.368	105	3243824	9.056	ppbv	99
74) 1,2,4-Trimethylbenzene	16.124	105	3596562	8.644	ppbv	99
75) 1,3-Dichlorobenzene	16.349	146	2210855	8.580	ppbv	99
76) 1,4-Dichlorobenzene	16.490	146	2115126	8.508	ppbv	99
77) 1,2-Dichlorobenzene	17.162	146	2154411	8.440	ppbv	100
78) Hexachloro-1,3-Butadiene	22.651	225	1448199	7.174	ppbv	100
79) Naphthalene	21.403	128	2907132	11.320	ppbv	100
80) Naphthalene,2-methyl-	24.390	142	514199	9.185	ppbv	93
81) 1,2,4-Trichlorobenzene	21.159	180	1465322	9.073	ppbv	100

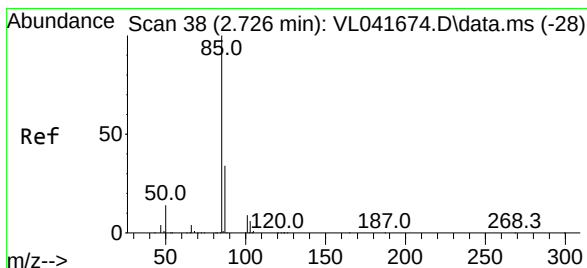
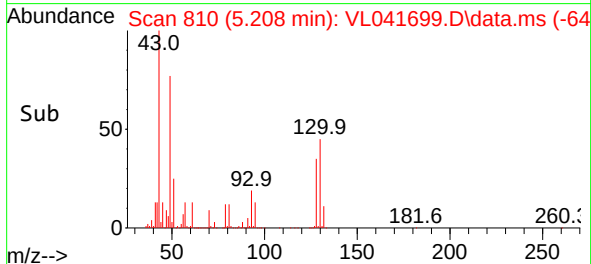
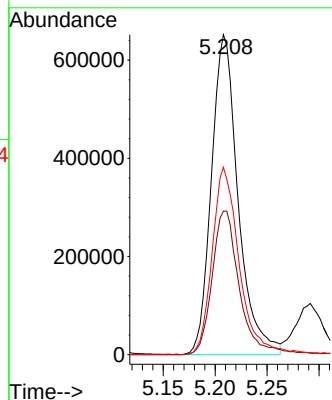
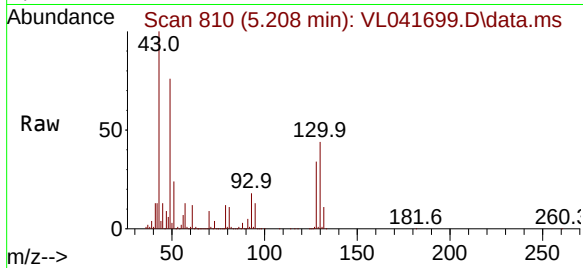
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.208 min Scan# 81
 Delta R.T. 0.020 min
 Lab File: VL041699.D
 Acq: 20 Nov 2024 13:15

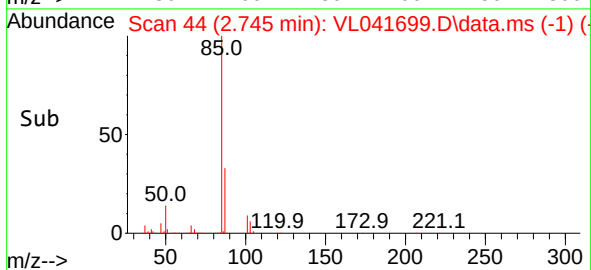
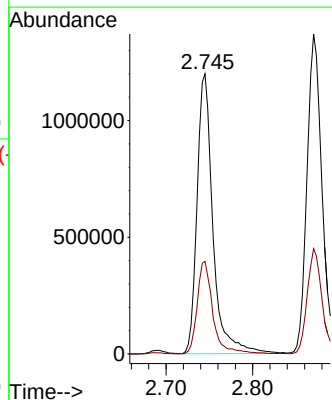
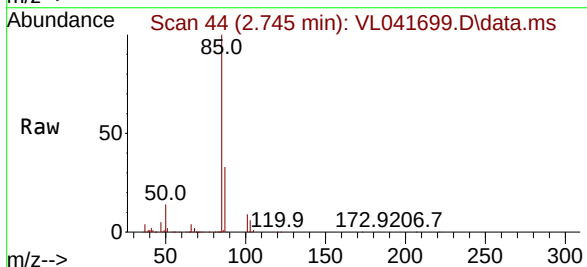
Instrument :
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 ClientSampleId :
 VL1120ABS01

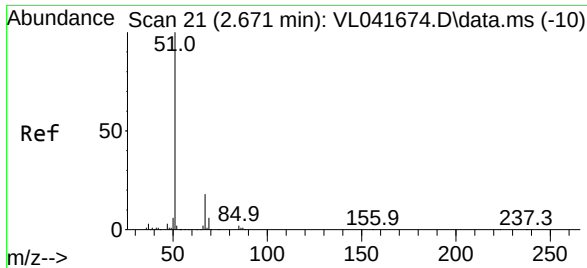
Tgt Ion: 49 Resp: 1163679
 Ion Ratio Lower Upper
 49 100
 128 46.8 23.8 71.2
 130 60.1 30.1 90.5



#2
 Dichlorodifluoromethane
 Concen: 7.258 ppbv
 RT: 2.745 min Scan# 44
 Delta R.T. 0.019 min
 Lab File: VL041699.D
 Acq: 20 Nov 2024 13:15

Tgt Ion: 85 Resp: 1526580
 Ion Ratio Lower Upper
 85 100
 87 33.1 26.8 40.2

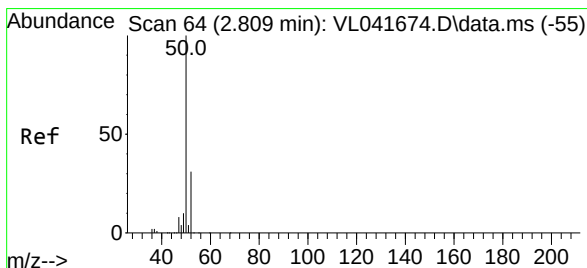
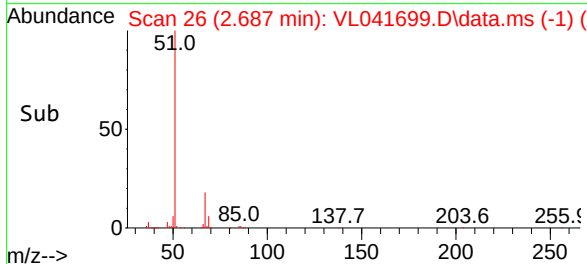
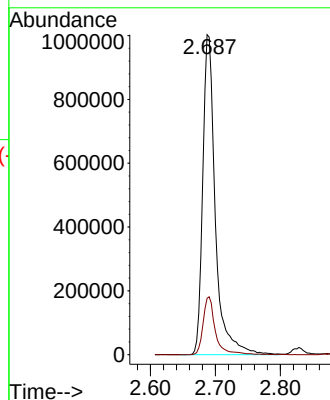
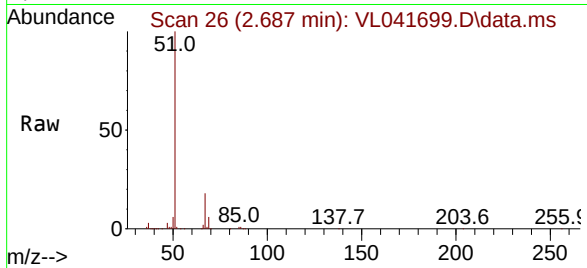




#3
Chlorodifluoromethane
Concen: 8.934 ppbv
RT: 2.687 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

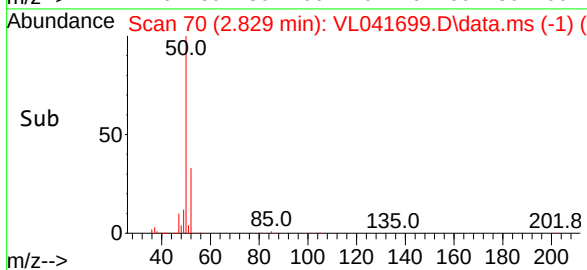
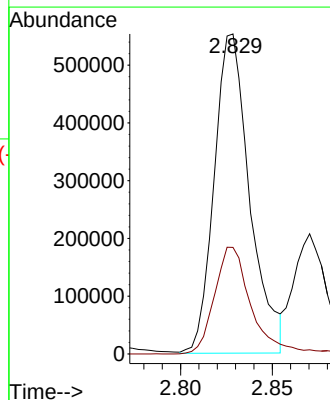
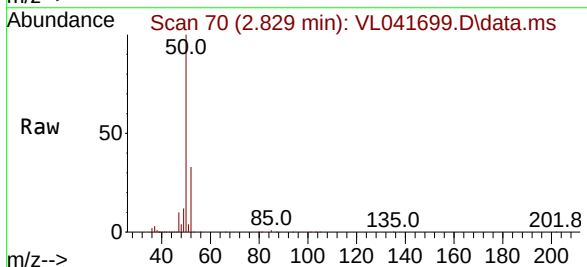
Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

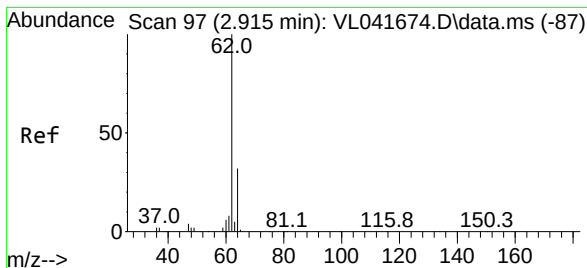
Tgt Ion: 51 Resp: 1354532
Ion Ratio Lower Upper
51 100
67 17.7 13.9 20.9



#4
Chloromethane
Concen: 9.275 ppbv
RT: 2.829 min Scan# 70
Delta R.T. 0.019 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

Tgt Ion: 50 Resp: 744862
Ion Ratio Lower Upper
50 100
52 33.4 24.9 37.3

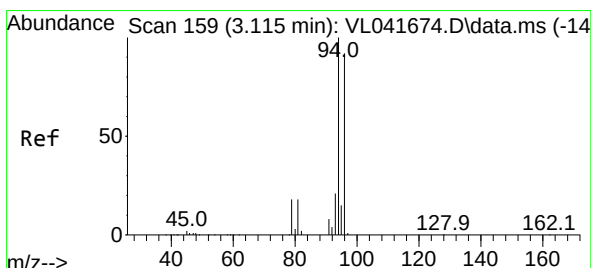
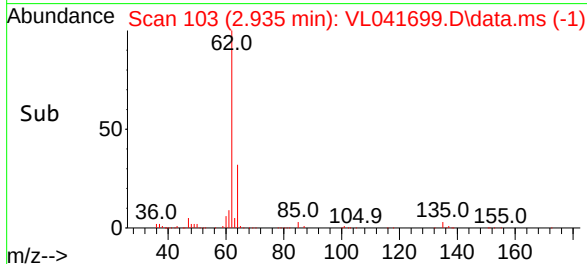
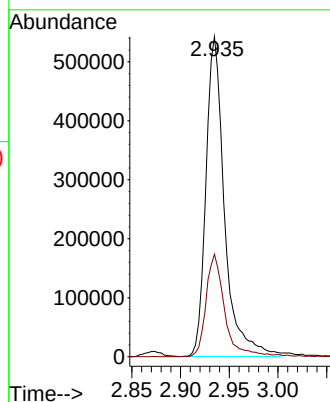
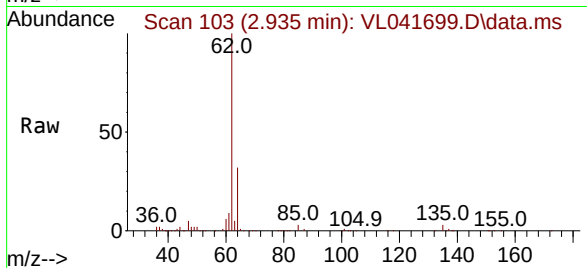




#5
 Vinyl Chloride
 Concen: 9.955 ppbv
 RT: 2.935 min Scan# 11
 Delta R.T. 0.019 min
 Lab File: VL041699.D
 Acq: 20 Nov 2024 13:15

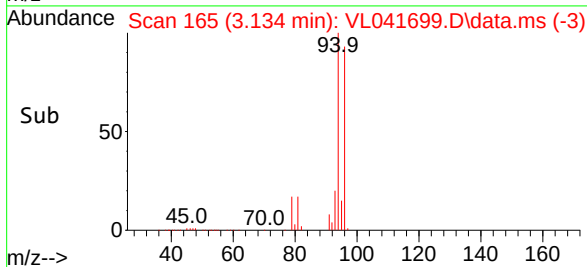
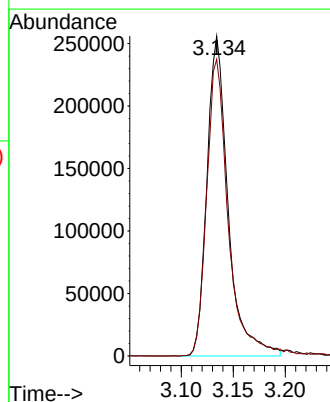
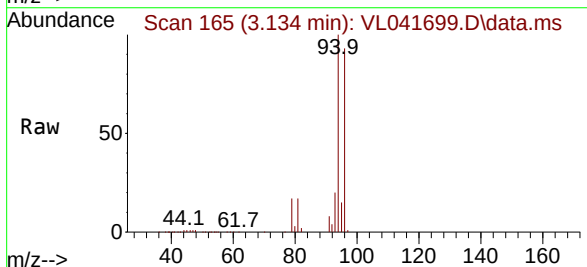
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1120ABS01

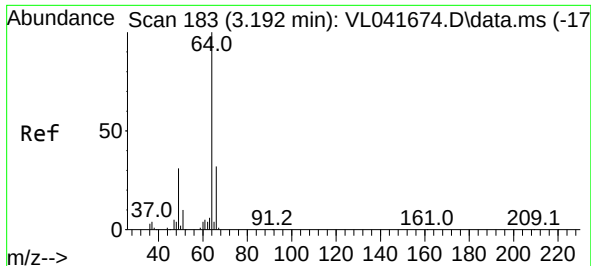
Tgt Ion: 62 Resp: 719166
 Ion Ratio Lower Upper
 62 100
 64 32.0 25.4 38.2



#6
 Bromomethane
 Concen: 9.456 ppbv
 RT: 3.134 min Scan# 165
 Delta R.T. 0.019 min
 Lab File: VL041699.D
 Acq: 20 Nov 2024 13:15

Tgt Ion: 94 Resp: 362376
 Ion Ratio Lower Upper
 94 100
 96 92.7 73.4 110.2

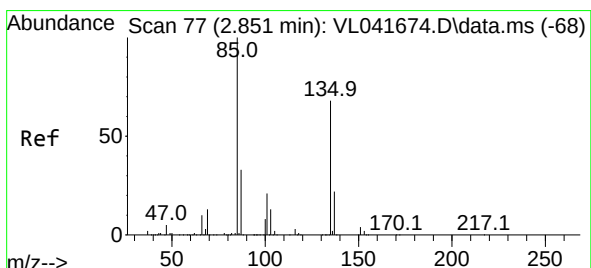
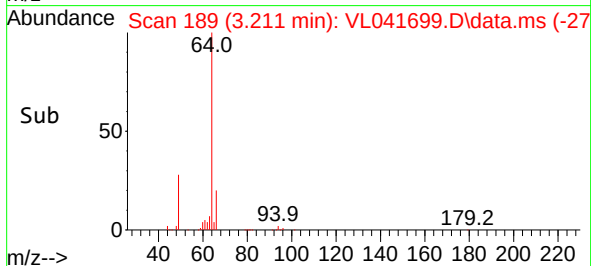
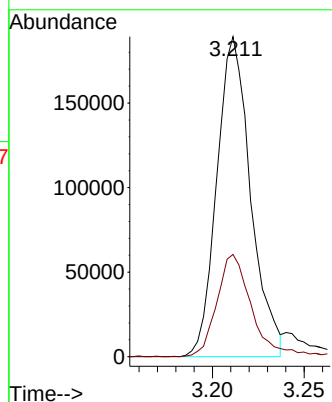
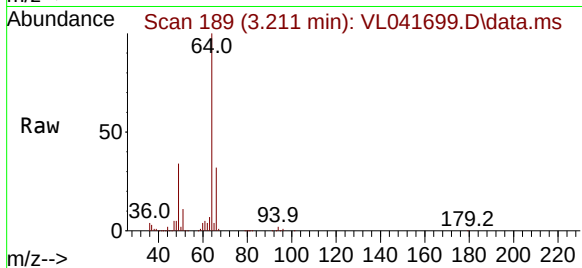




#7
Chloroethane
Concen: 9.213 ppbv
RT: 3.211 min Scan# 11
Delta R.T. 0.019 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

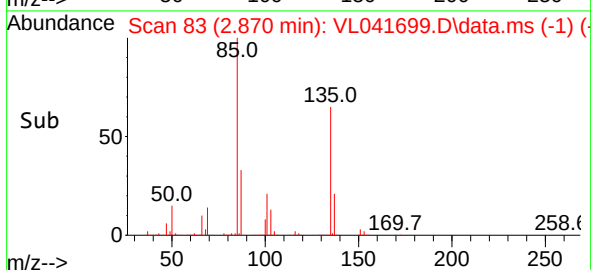
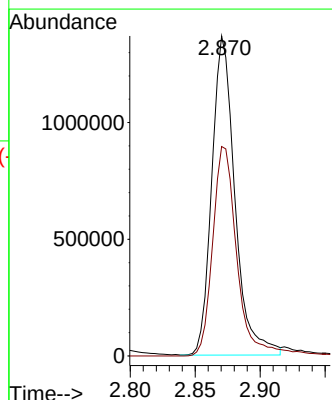
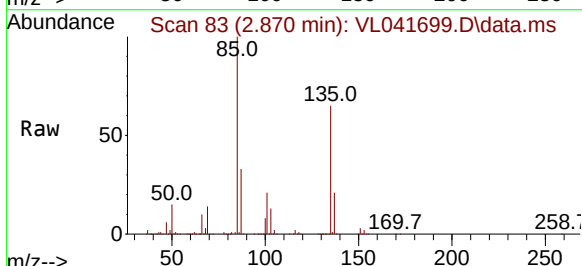
Instrument :
MSVOA_1
ClientSampleId :
VL1120ABS01

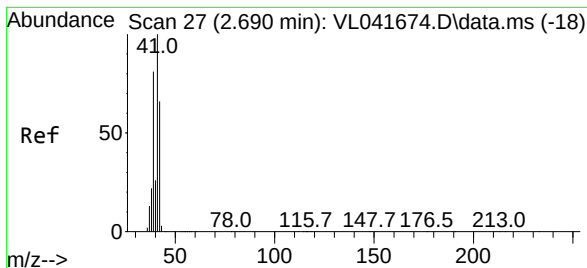
Tgt Ion: 64 Resp: 242910
Ion Ratio Lower Upper
64 100
66 31.9 25.9 38.9



#8
Dichlorotetrafluoroethane
Concen: 9.016 ppbv
RT: 2.870 min Scan# 83
Delta R.T. 0.019 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

Tgt Ion: 85 Resp: 1692833
Ion Ratio Lower Upper
85 100
135 70.2 55.5 83.3





#9

Propene

Concen: 9.028 ppbv

RT: 2.710 min Scan# 31

Delta R.T. 0.019 min

Lab File: VL041699.D

Acq: 20 Nov 2024 13:15

Instrument :

MSVOA_L

ClientSampleId :

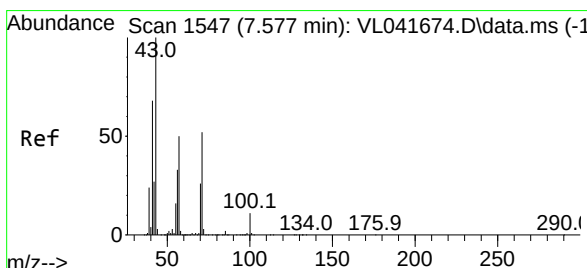
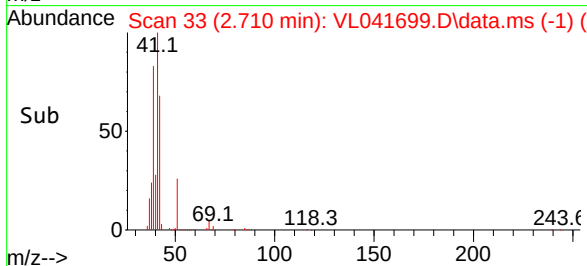
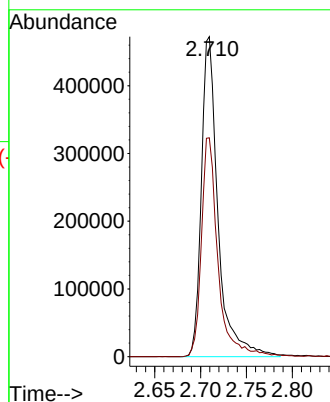
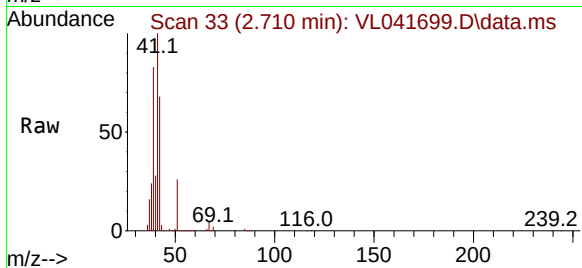
VL1120ABS01

Tgt Ion: 41 Resp: 596424

Ion Ratio Lower Upper

41 100

42 68.5 55.0 82.4



#10

Heptane

Concen: 10.297 ppbv

RT: 7.594 min Scan# 1552

Delta R.T. 0.016 min

Lab File: VL041699.D

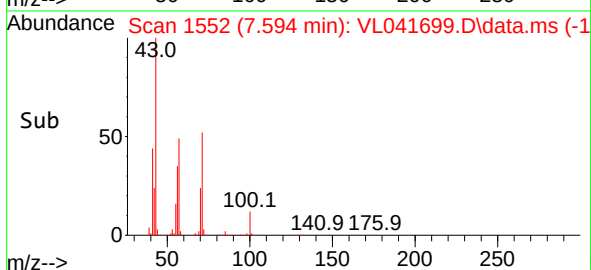
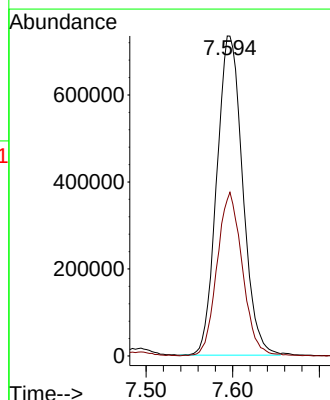
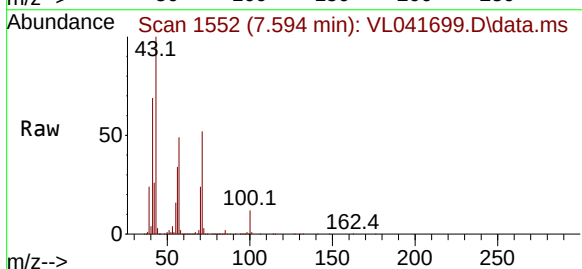
Acq: 20 Nov 2024 13:15

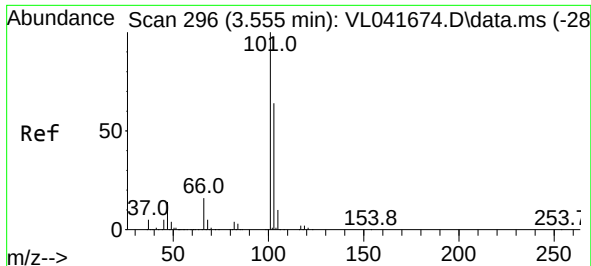
Tgt Ion: 43 Resp: 1524430

Ion Ratio Lower Upper

43 100

57 50.3 40.0 60.0

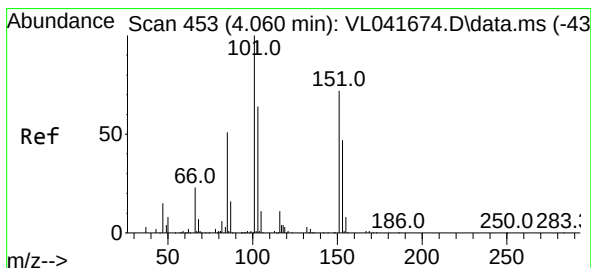
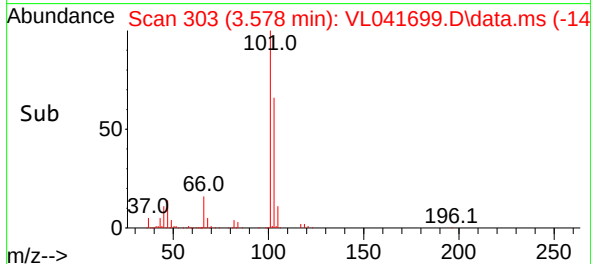
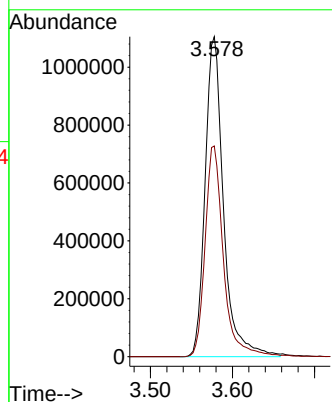
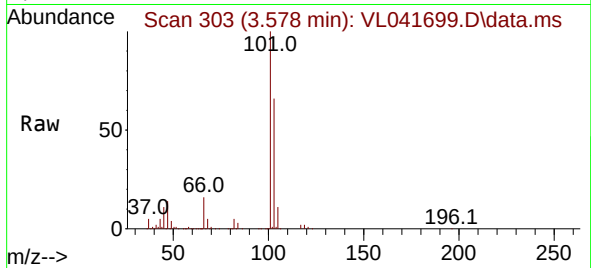




#11
 Trichlorofluoromethane
 Concen: 9.371 ppbv
 RT: 3.578 min Scan# 303
 Delta R.T. 0.023 min
 Lab File: VL041699.D
 Acq: 20 Nov 2024 13:15

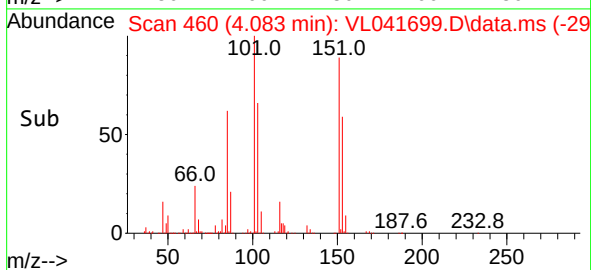
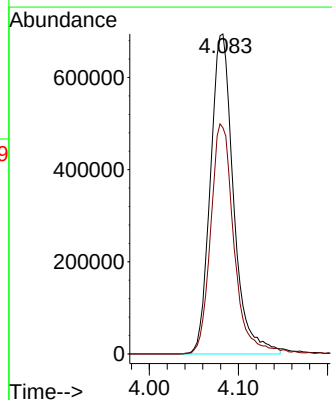
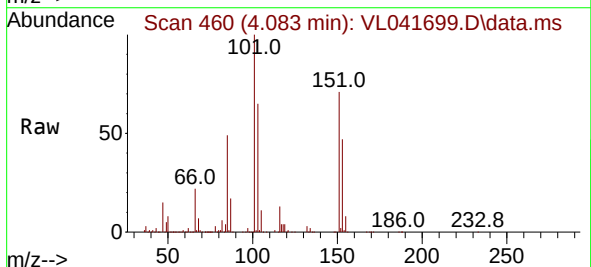
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1120ABS01

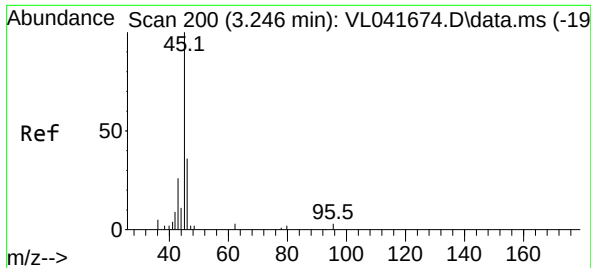
Tgt Ion:101 Resp: 1716777
 Ion Ratio Lower Upper
 101 100
 103 65.9 51.0 76.6



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.413 ppbv
 RT: 4.083 min Scan# 460
 Delta R.T. 0.023 min
 Lab File: VL041699.D
 Acq: 20 Nov 2024 13:15

Tgt Ion:101 Resp: 1253402
 Ion Ratio Lower Upper
 101 100
 151 73.0 59.1 88.7

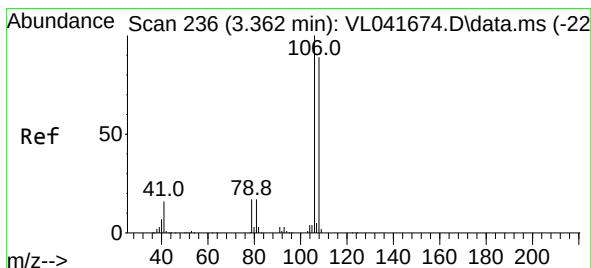
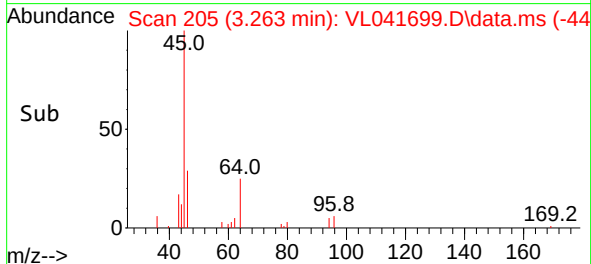
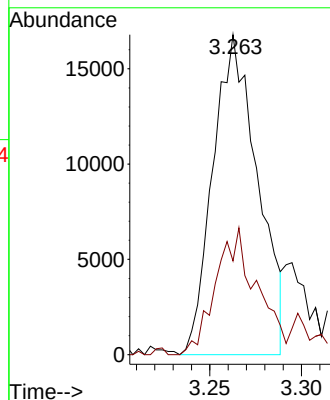
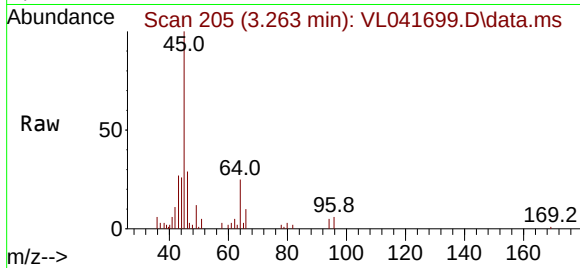




#13
Ethanol
Concen: 7.054 ppbv
RT: 3.263 min Scan# 20
Delta R.T. 0.016 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

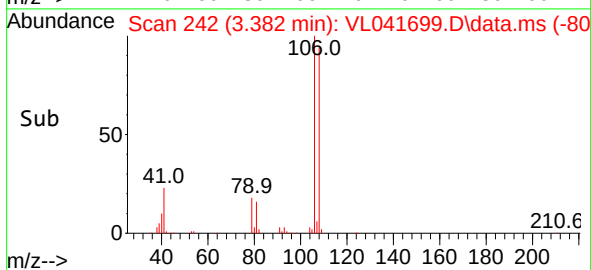
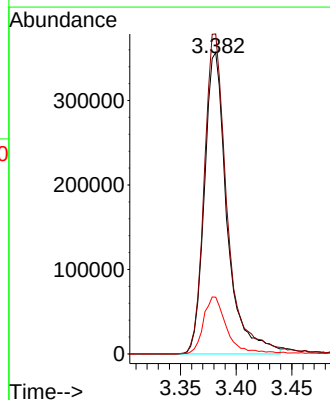
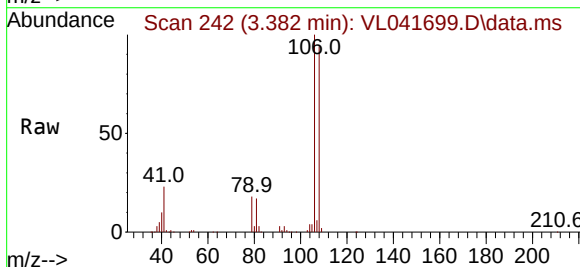
Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

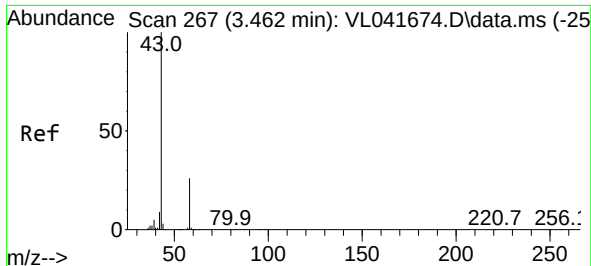
Tgt Ion: 45 Resp: 28536
Ion Ratio Lower Upper
45 100
46 45.9 13.8 55.2



#14
Bromoethene
Concen: 9.423 ppbv
RT: 3.382 min Scan# 242
Delta R.T. 0.019 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

Tgt Ion:108 Resp: 504396
Ion Ratio Lower Upper
108 100
106 109.3 88.6 133.0
79 20.4 15.6 23.4

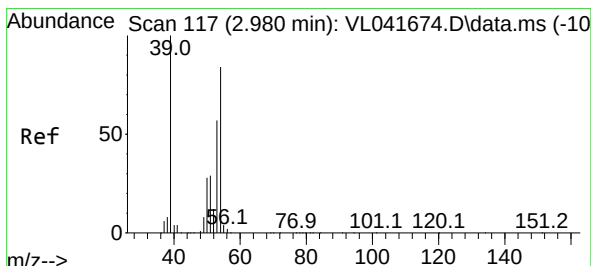
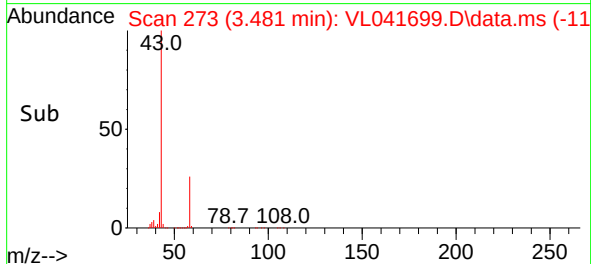
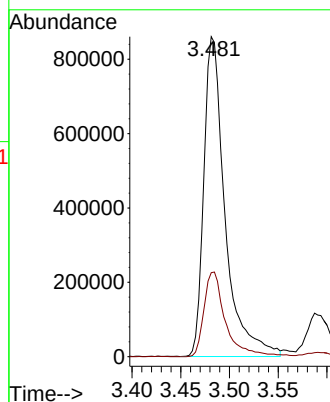
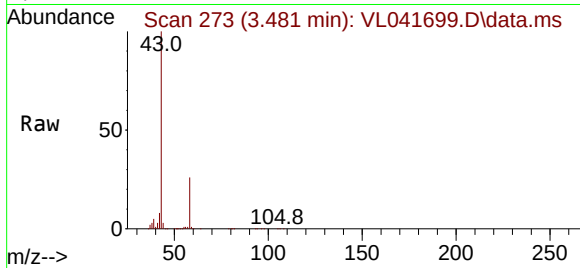




#15
Acetone
Concen: 9.122 ppbv
RT: 3.481 min Scan# 21
Delta R.T. 0.019 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

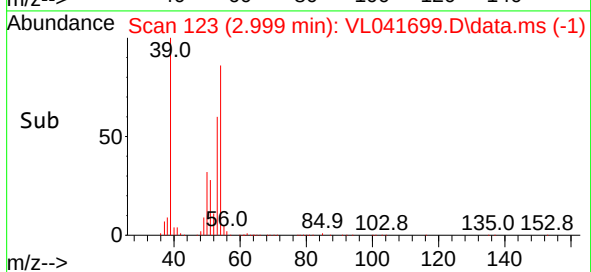
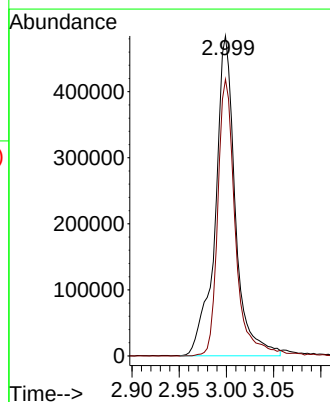
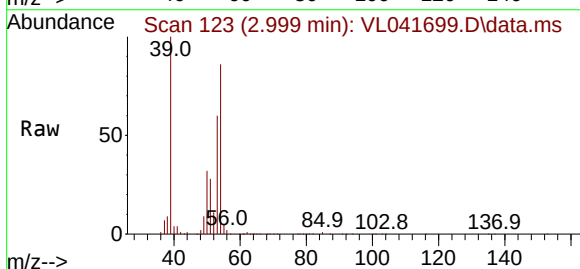
Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

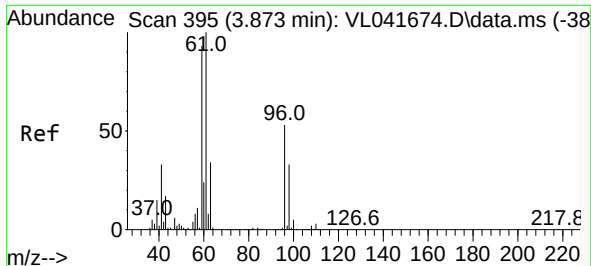
Tgt Ion: 43 Resp: 1306457
Ion Ratio Lower Upper
43 100
58 26.9 21.4 32.0



#16
1,3-Butadiene
Concen: 9.903 ppbv
RT: 2.999 min Scan# 123
Delta R.T. 0.019 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

Tgt Ion: 39 Resp: 715603
Ion Ratio Lower Upper
39 100
54 76.6 61.3 91.9





#17

tert-Butyl alcohol

Concen: 9.507 ppbv

RT: 3.893 min Scan# 401

Delta R.T. 0.019 min

Lab File: VL041699.D

Acq: 20 Nov 2024 13:15

Instrument :

MSVOA_1

ClientSampleId :

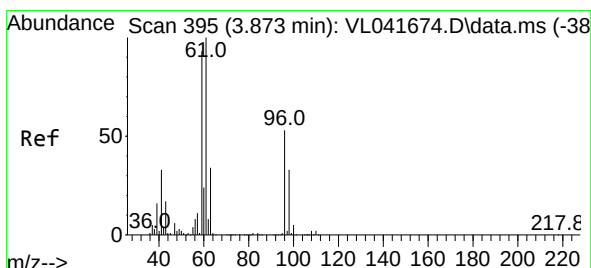
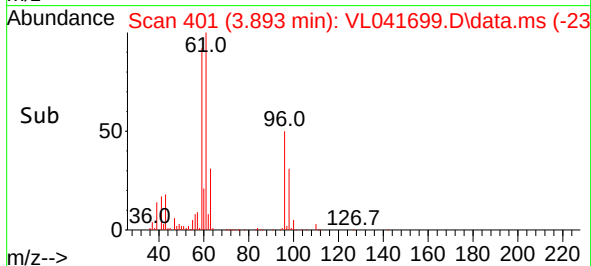
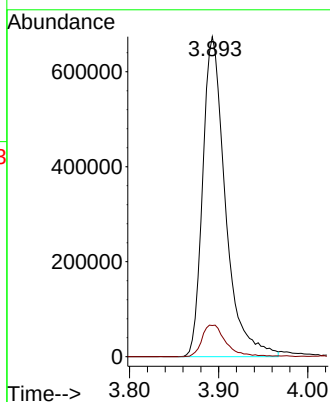
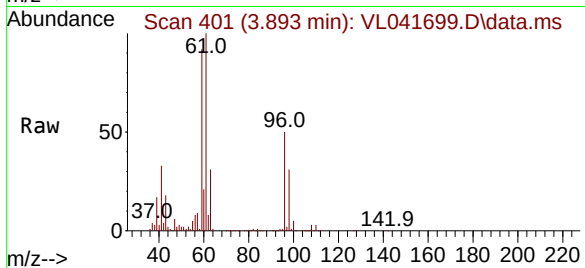
VL1120ABS01

Tgt Ion: 59 Resp: 1194748

Ion Ratio Lower Upper

59 100

57 10.9 8.5 12.7



#18

1,1-Dichloroethene

Concen: 9.544 ppbv

RT: 3.893 min Scan# 401

Delta R.T. 0.019 min

Lab File: VL041699.D

Acq: 20 Nov 2024 13:15

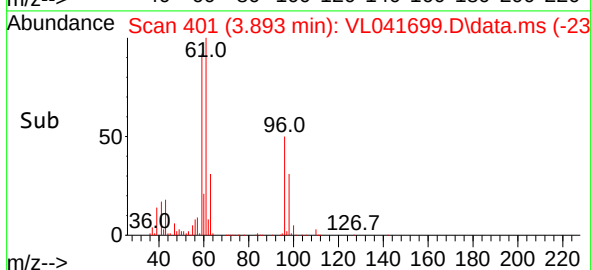
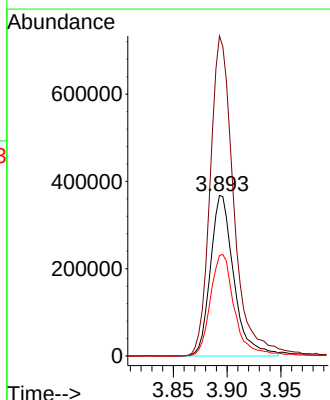
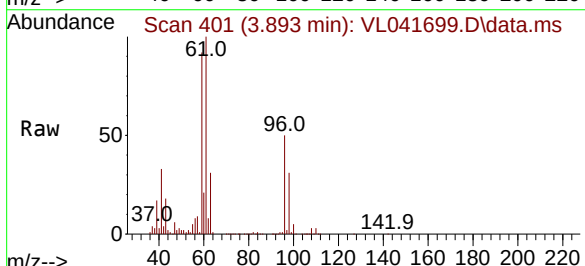
Tgt Ion: 96 Resp: 557361

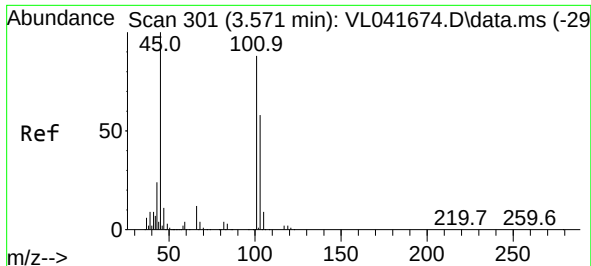
Ion Ratio Lower Upper

96 100

61 199.5 150.7 226.1

98 62.5 49.4 74.2





#19

Isopropyl Alcohol

Concen: 9.101 ppbv

RT: 3.591 min Scan# 301

Delta R.T. 0.019 min

Lab File: VL041699.D

Acq: 20 Nov 2024 13:15

Instrument :

MSVOA_L

ClientSampleId :

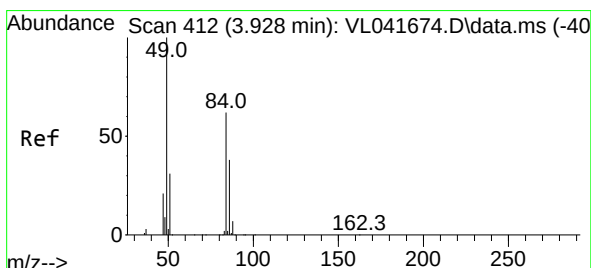
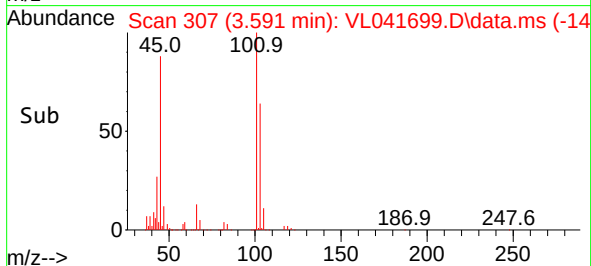
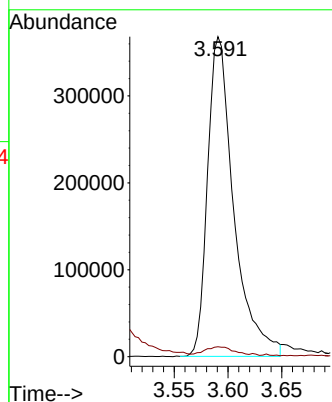
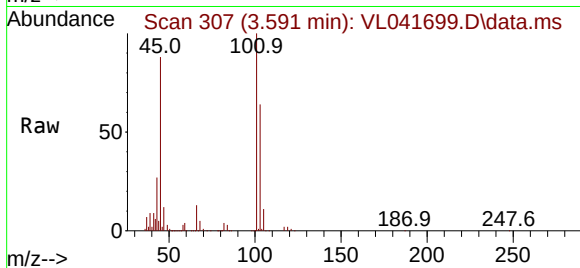
VL1120ABS01

Tgt Ion: 45 Resp: 622976

Ion Ratio Lower Upper

45 100

58 3.7 2.5 3.7



#20

Methylene Chloride

Concen: 8.884 ppbv

RT: 3.947 min Scan# 418

Delta R.T. 0.019 min

Lab File: VL041699.D

Acq: 20 Nov 2024 13:15

Tgt Ion: 84 Resp: 468186

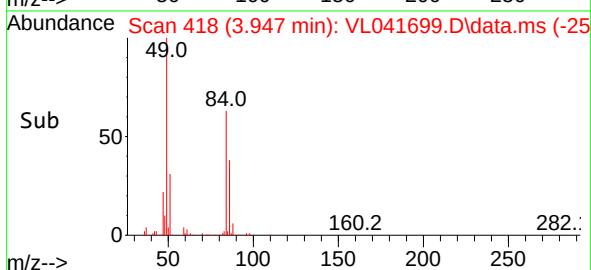
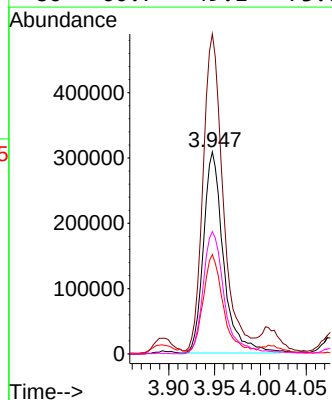
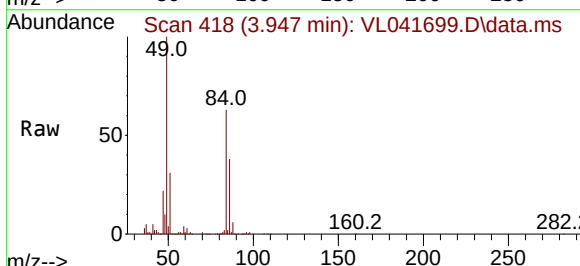
Ion Ratio Lower Upper

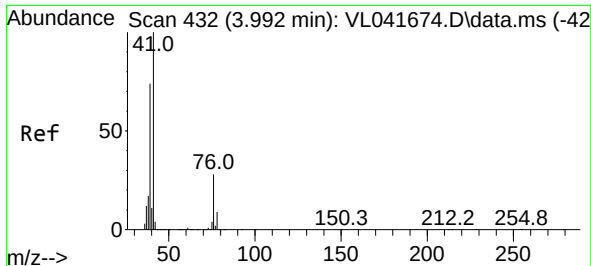
84 100

49 156.7 129.7 194.5

51 47.0 39.8 59.6

86 60.7 49.1 73.7

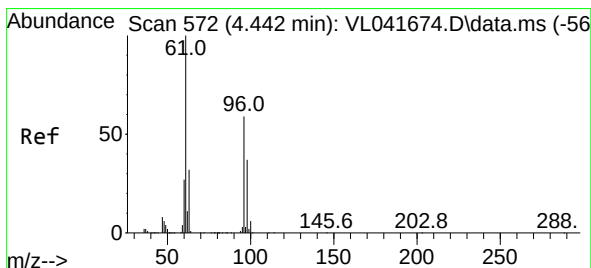
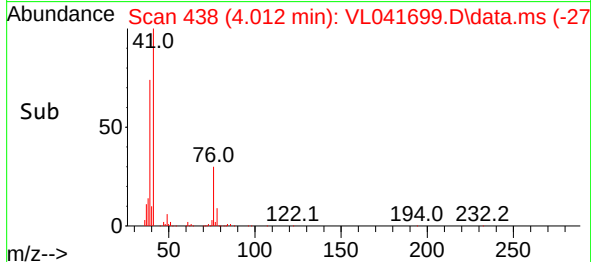
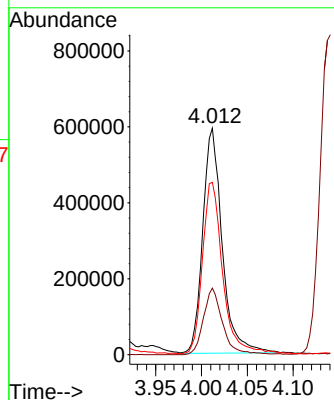
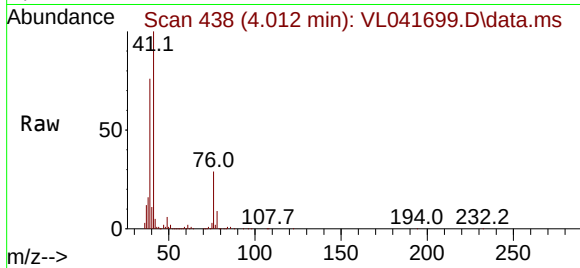




#21
 Allyl Chloride
 Concen: 9.878 ppbv
 RT: 4.012 min Scan# 41
 Delta R.T. 0.019 min
 Lab File: VL041699.D
 Acq: 20 Nov 2024 13:15

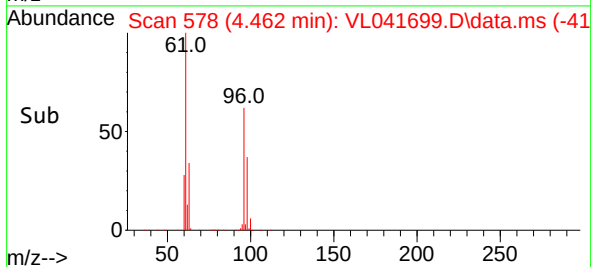
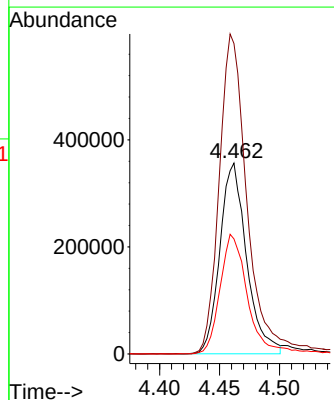
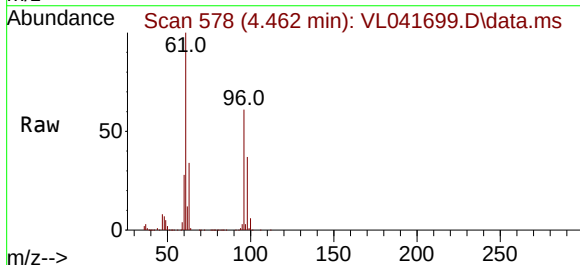
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1120ABS01

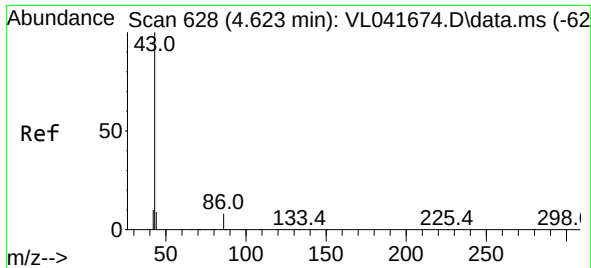
Tgt Ion: 41 Resp: 874140
 Ion Ratio Lower Upper
 41 100
 76 29.3 23.5 35.3
 39 79.8 63.0 94.4



#22
 trans-1,2-Dichloroethene
 Concen: 9.522 ppbv
 RT: 4.462 min Scan# 578
 Delta R.T. 0.019 min
 Lab File: VL041699.D
 Acq: 20 Nov 2024 13:15

Tgt Ion: 96 Resp: 552930
 Ion Ratio Lower Upper
 96 100
 61 162.7 134.5 201.7
 98 60.2 49.6 74.4



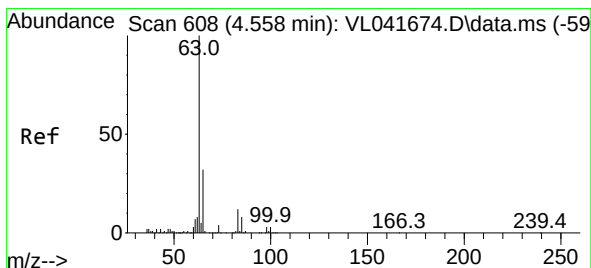
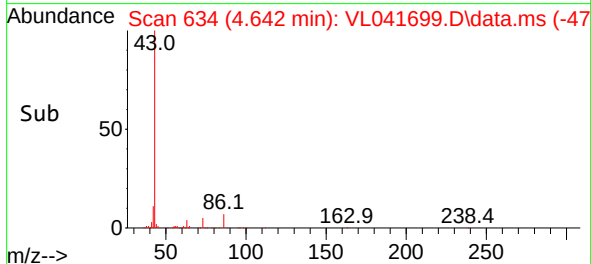
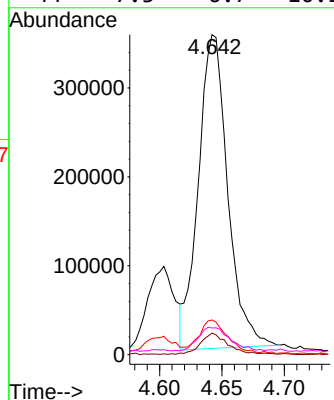
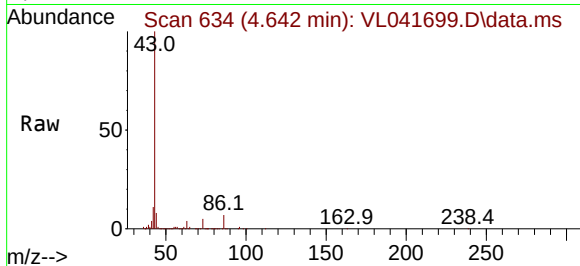


#23
 Vinyl Acetate
 Concen: 9.164 ppbv
 RT: 4.642 min Scan# 614
 Delta R.T. 0.019 min
 Lab File: VL041699.D
 Acq: 20 Nov 2024 13:15

Instrument :
 MSVOA_1
 ClientSampleId :
 VL1120ABS01

Tgt Ion: 43 Resp: 578556

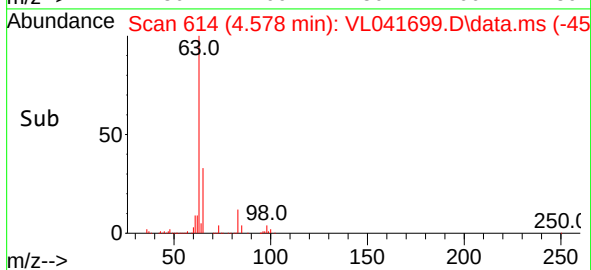
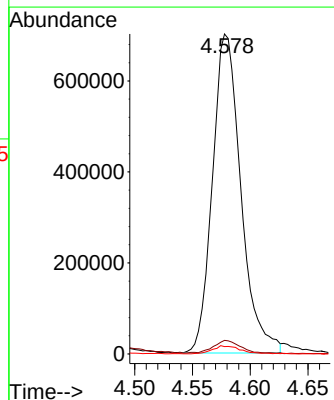
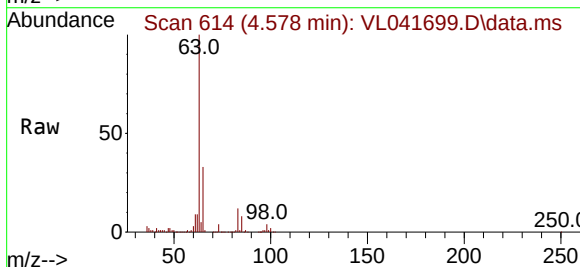
Ion	Ratio	Lower	Upper
43	100		
86	6.8	5.3	7.9
42	10.6	8.5	12.7
44	7.3	6.7	10.1

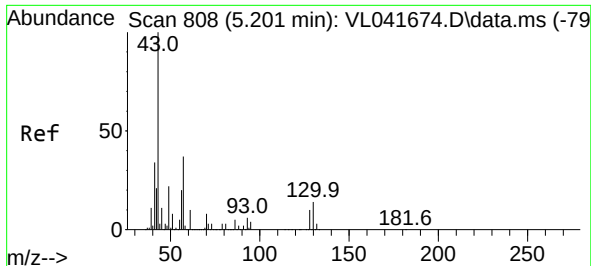


#24
 1,1-Dichloroethane
 Concen: 9.261 ppbv
 RT: 4.578 min Scan# 614
 Delta R.T. 0.019 min
 Lab File: VL041699.D
 Acq: 20 Nov 2024 13:15

Tgt Ion: 63 Resp: 1200413

Ion	Ratio	Lower	Upper
63	100		
98	3.9	1.8	5.4
100	2.2	1.4	4.2



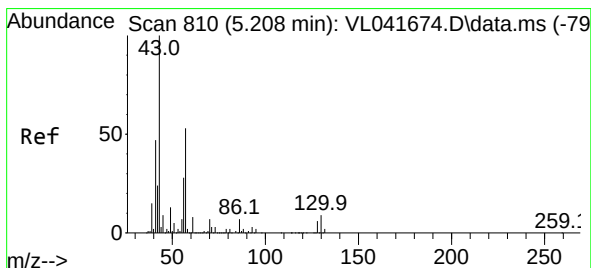
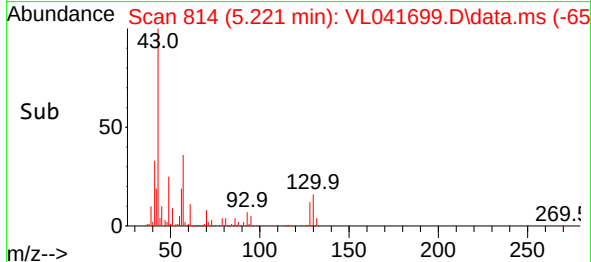
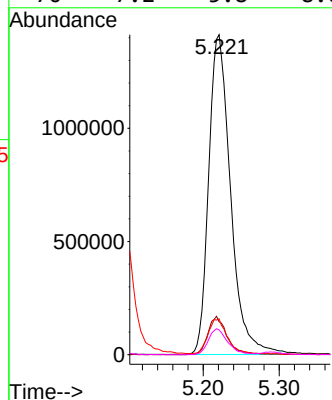
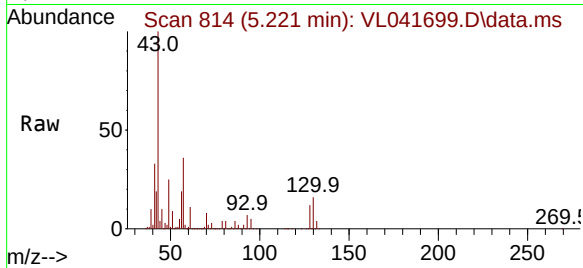


#25
Ethyl Acetate
Concen: 9.506 ppbv
RT: 5.221 min Scan# 814
Delta R.T. 0.019 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion: 43 Resp: 2817969

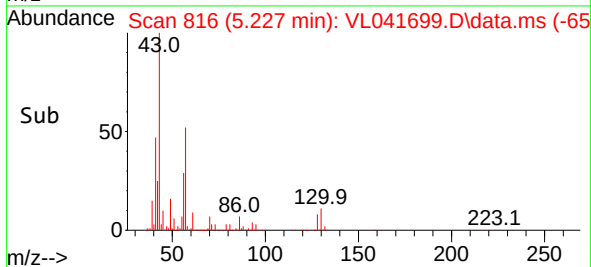
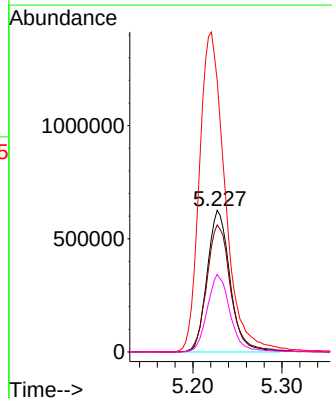
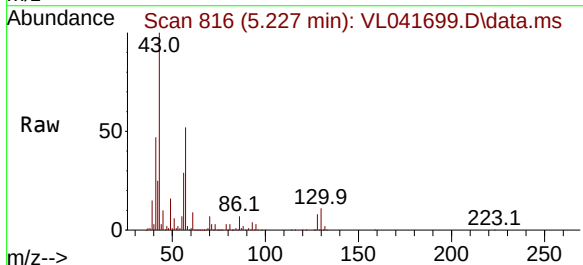
Ion	Ratio	Lower	Upper
43	100		
45	10.8	8.6	13.0
61	10.3	8.4	12.6
70	7.2	5.8	8.6

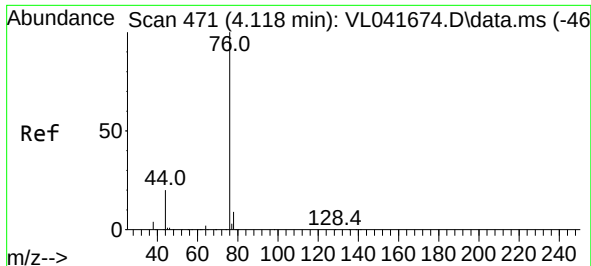


#26
Hexane
Concen: 9.737 ppbv
RT: 5.227 min Scan# 816
Delta R.T. 0.019 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

Tgt Ion: 57 Resp: 1108983

Ion	Ratio	Lower	Upper
57	100		
41	95.8	76.1	114.1
43	256.6	207.0	310.6
56	55.4	43.7	65.5

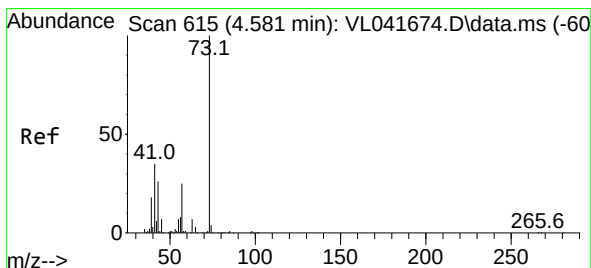
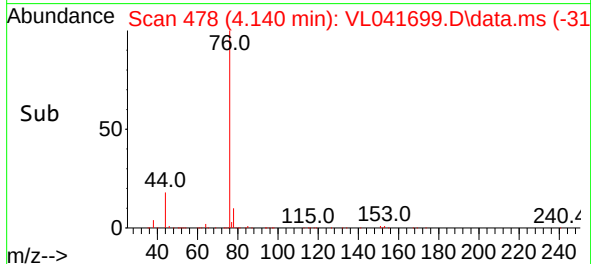
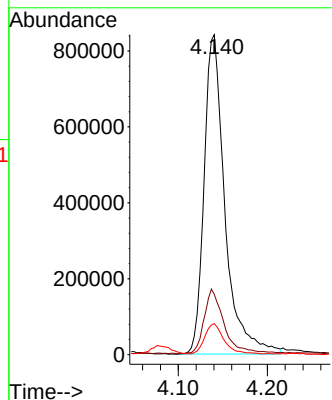
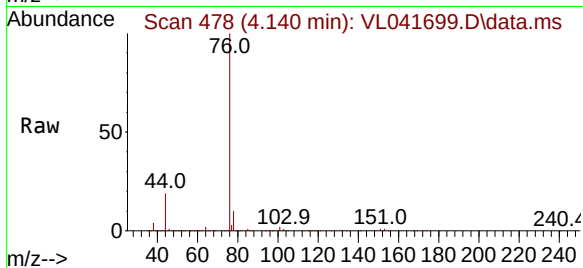




#27
Carbon Disulfide
Concen: 10.677 ppbv
RT: 4.140 min Scan# 41
Delta R.T. 0.023 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

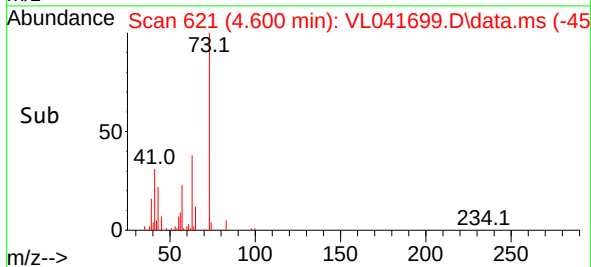
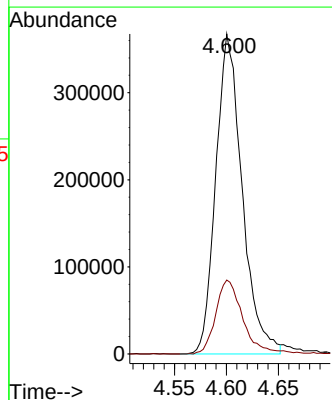
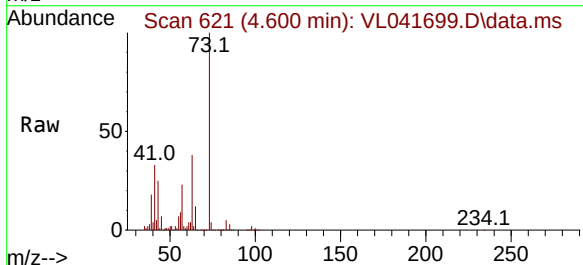
Instrument :
MSVOA_1
ClientSampleId :
VL1120ABS01

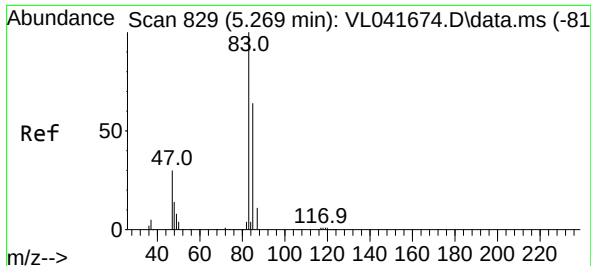
Tgt Ion: 76 Resp: 1366173
Ion Ratio Lower Upper
76 100
44 20.0 15.8 23.8
78 9.4 7.5 11.3



#28
Methyl tert-Butyl Ether
Concen: 8.826 ppbv
RT: 4.600 min Scan# 621
Delta R.T. 0.019 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

Tgt Ion: 73 Resp: 647293
Ion Ratio Lower Upper
73 100
57 24.1 19.6 29.4





#29

Chloroform

Concen: 9.436 ppbv

RT: 5.291 min Scan# 81

Delta R.T. 0.023 min

Lab File: VL041699.D

Acq: 20 Nov 2024 13:15

Instrument :

MSVOA_L

ClientSampleId :

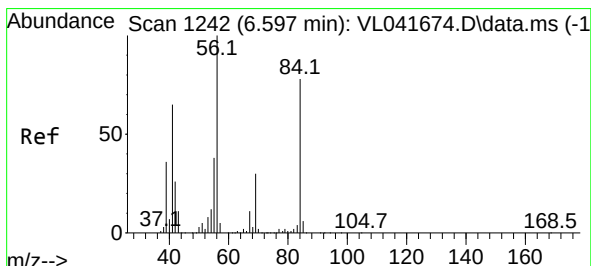
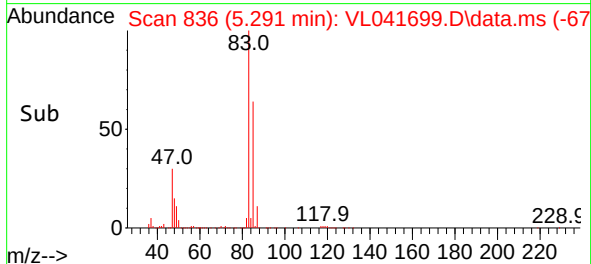
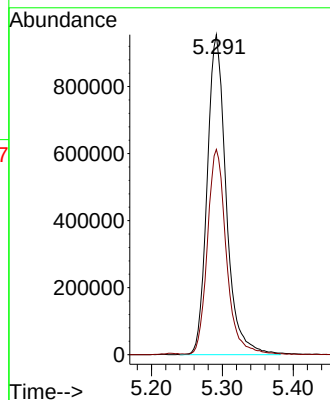
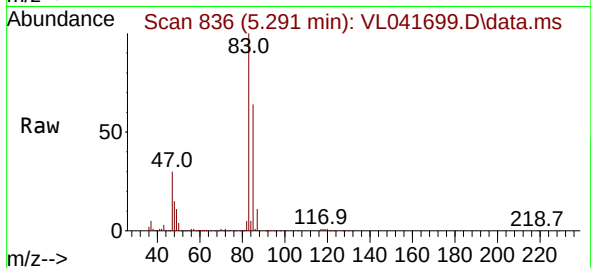
VL1120ABS01

Tgt Ion: 83 Resp: 1773915

Ion Ratio Lower Upper

83 100

85 64.0 51.1 76.7



#30

Cyclohexane

Concen: 9.815 ppbv

RT: 6.619 min Scan# 1249

Delta R.T. 0.023 min

Lab File: VL041699.D

Acq: 20 Nov 2024 13:15

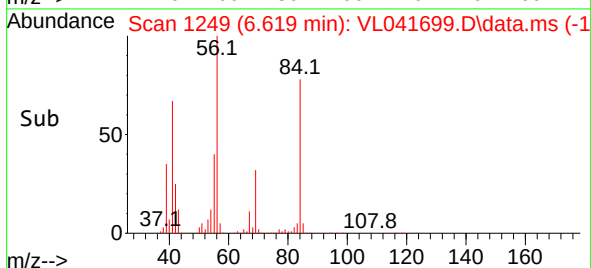
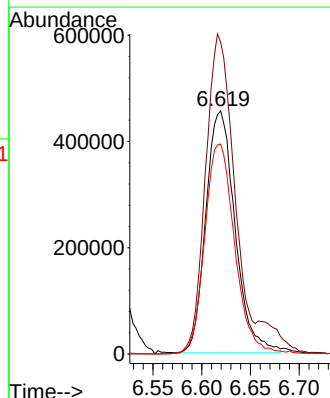
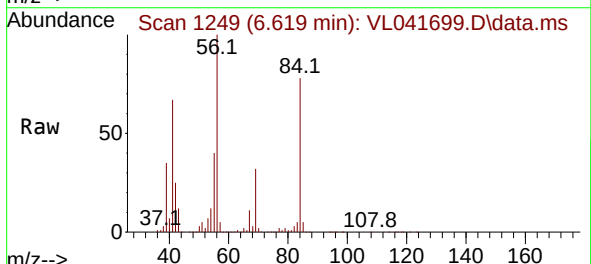
Tgt Ion: 84 Resp: 951807

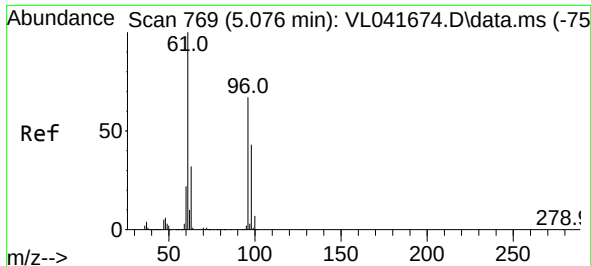
Ion Ratio Lower Upper

84 100

56 139.2 110.8 166.2

41 88.9 70.0 105.0





#31

cis-1,2-Dichloroethene

Concen: 9.810 ppbv

RT: 5.095 min Scan# 71

Delta R.T. 0.019 min

Lab File: VL041699.D

Acq: 20 Nov 2024 13:15

Instrument :

MSVOA_L

ClientSampleId :

VL1120ABS01

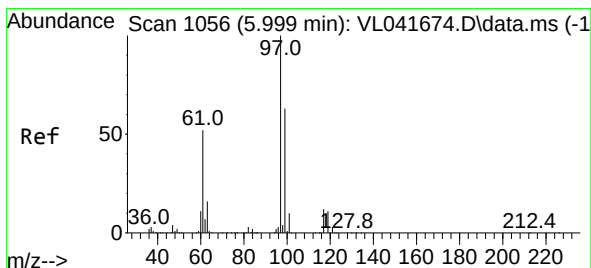
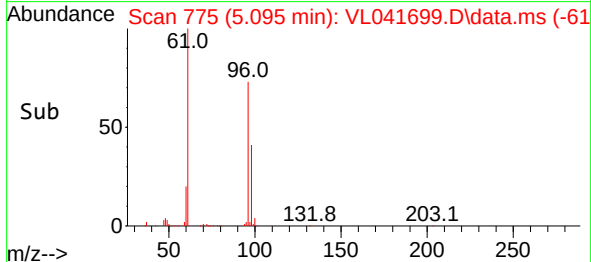
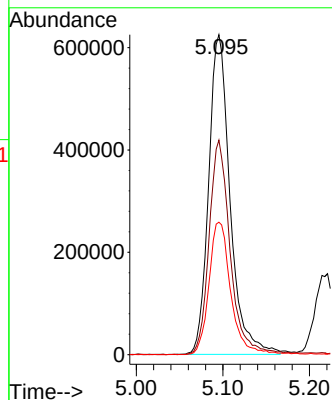
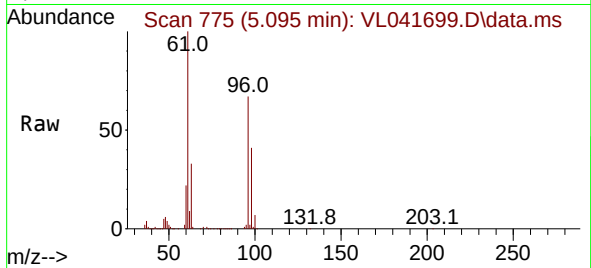
Tgt Ion: 61 Resp: 1074877

Ion Ratio Lower Upper

61 100

96 67.0 53.4 80.2

98 41.3 34.0 51.0



#32

1,1,1-Trichloroethane

Concen: 10.080 ppbv

RT: 6.018 min Scan# 1062

Delta R.T. 0.019 min

Lab File: VL041699.D

Acq: 20 Nov 2024 13:15

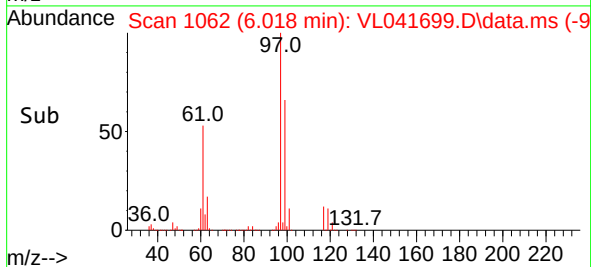
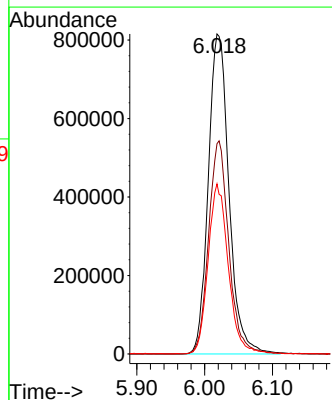
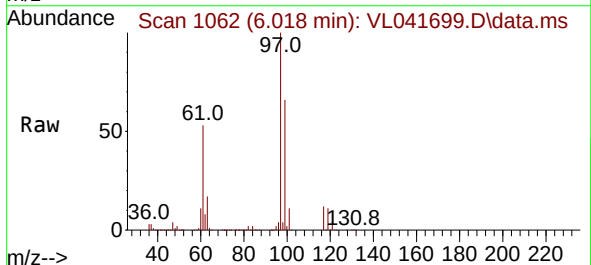
Tgt Ion: 97 Resp: 1728793

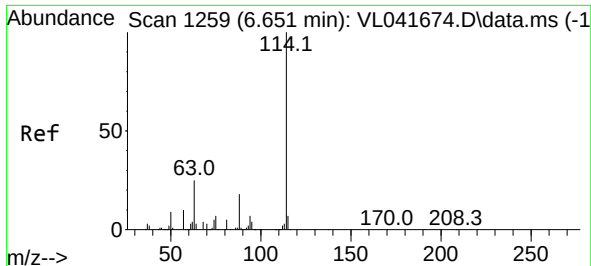
Ion Ratio Lower Upper

97 100

99 65.2 51.4 77.2

61 52.3 41.7 62.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.671 min Scan# 11

Delta R.T. 0.019 min

Lab File: VL041699.D

Acq: 20 Nov 2024 13:15

Instrument :

MSVOA_L

ClientSampleId :

VL1120ABS01

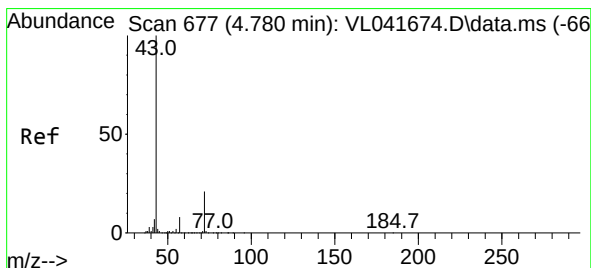
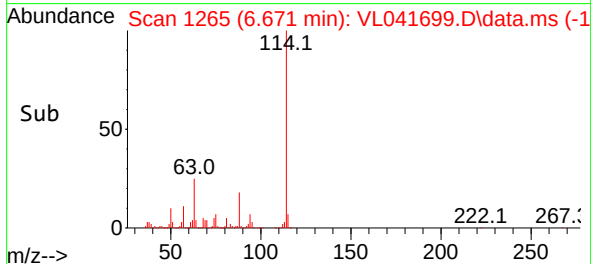
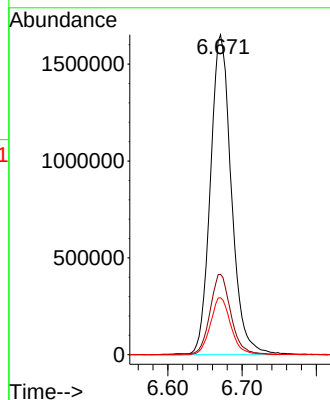
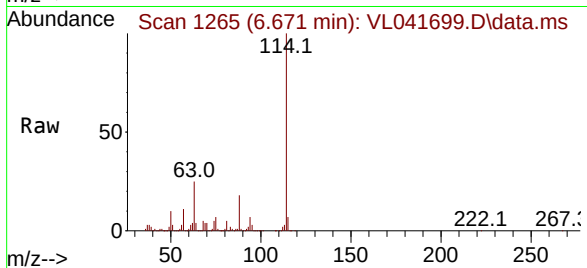
Tgt Ion:114 Resp: 3239097

Ion Ratio Lower Upper

114 100

63 25.3 20.3 30.5

88 17.5 14.2 21.4



#34

2-Butanone

Concen: 9.310 ppbv

RT: 4.800 min Scan# 683

Delta R.T. 0.019 min

Lab File: VL041699.D

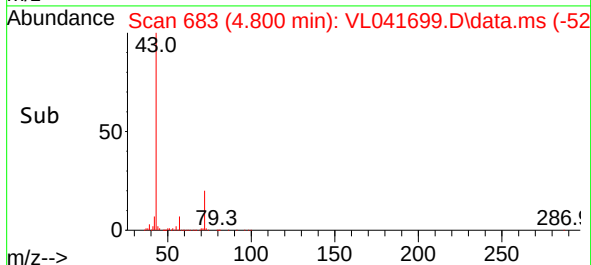
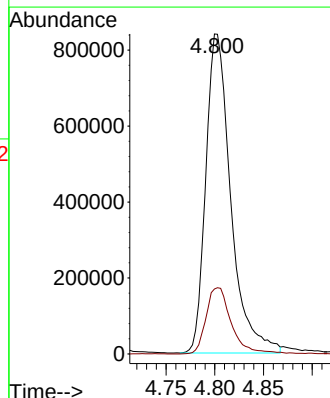
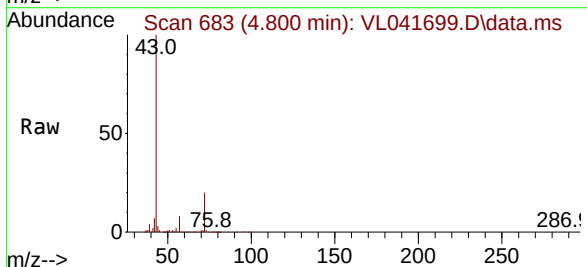
Acq: 20 Nov 2024 13:15

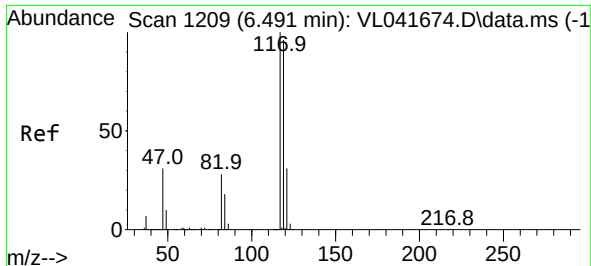
Tgt Ion: 43 Resp: 1501583

Ion Ratio Lower Upper

43 100

72 21.1 17.4 26.0

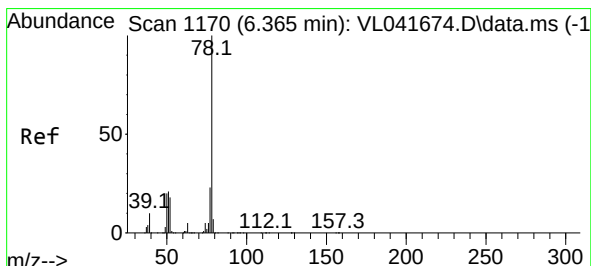
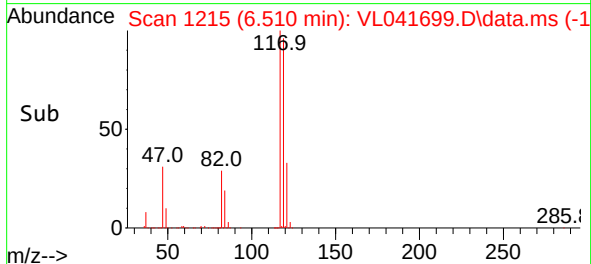
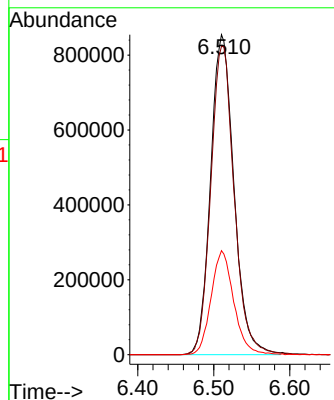
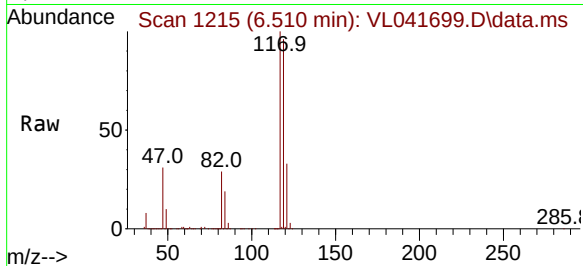




#35
Carbon Tetrachloride
Concen: 10.688 ppbv
RT: 6.510 min Scan# 117
Delta R.T. 0.019 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

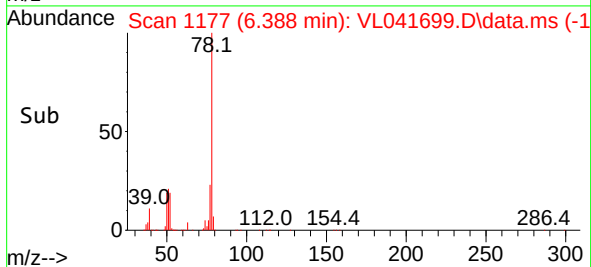
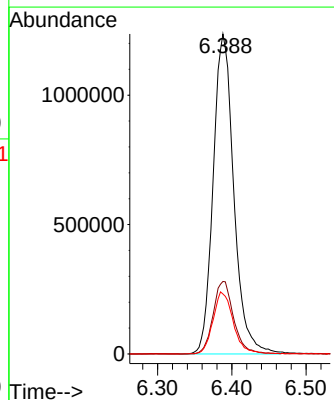
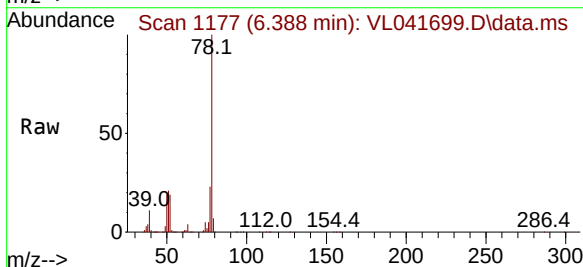
Instrument :
MSVOA_1
ClientSampleId :
VL1120ABS01

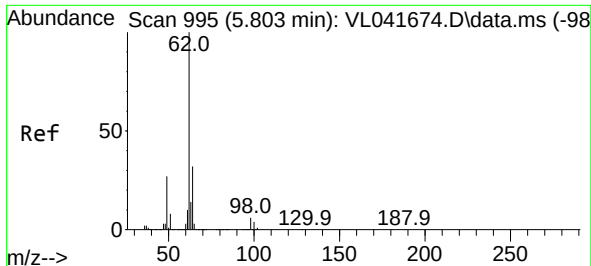
Tgt Ion:117 Resp: 1826480
Ion Ratio Lower Upper
117 100
119 96.4 77.2 115.8
121 32.5 25.0 37.4



#36
Benzene
Concen: 9.947 ppbv
RT: 6.388 min Scan# 1177
Delta R.T. 0.023 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

Tgt Ion: 78 Resp: 2387291
Ion Ratio Lower Upper
78 100
77 22.7 18.5 27.7
50 18.7 15.6 23.4





#37

1,2-Dichloroethane

Concen: 9.744 ppbv

RT: 5.822 min Scan# 1

Delta R.T. 0.019 min

Lab File: VL041699.D

Acq: 20 Nov 2024 13:15

Instrument :

MSVOA_L

ClientSampleId :

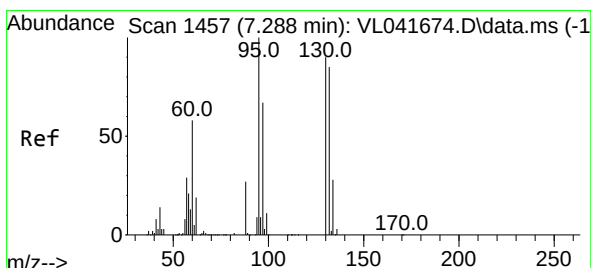
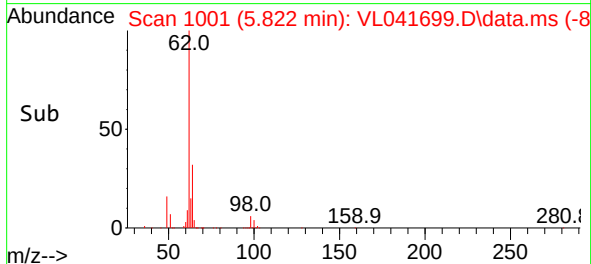
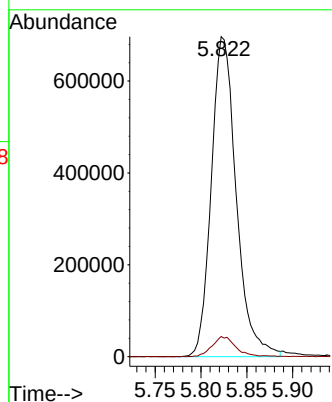
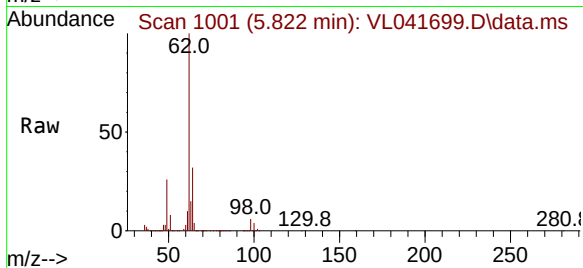
VL1120ABS01

Tgt Ion: 62 Resp: 1319263

Ion Ratio Lower Upper

62 100

98 6.2 5.2 7.8



#38

Trichloroethene

Concen: 10.635 ppbv

RT: 7.307 min Scan# 1463

Delta R.T. 0.019 min

Lab File: VL041699.D

Acq: 20 Nov 2024 13:15

Tgt Ion:130 Resp: 980257

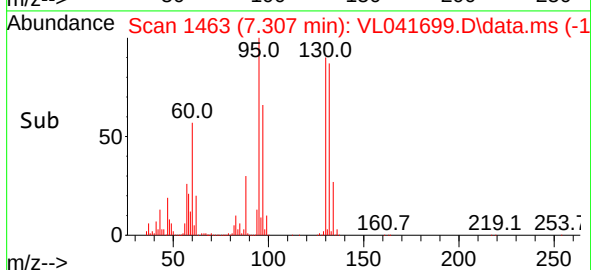
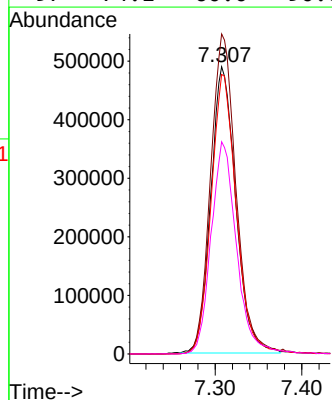
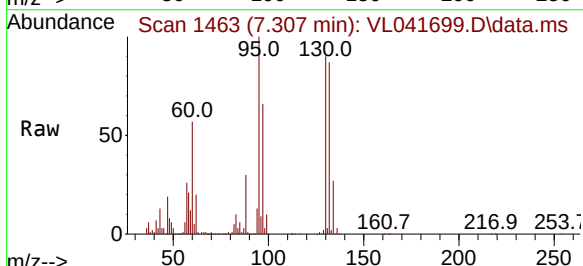
Ion Ratio Lower Upper

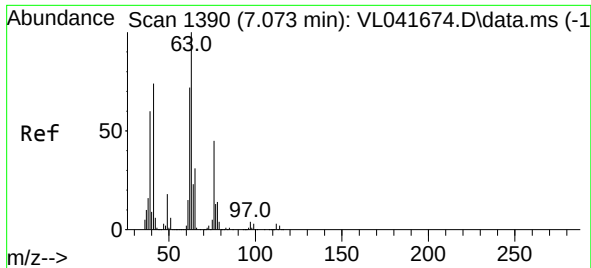
130 100

95 111.7 89.1 133.7

132 97.6 75.7 113.5

97 74.1 60.0 90.0

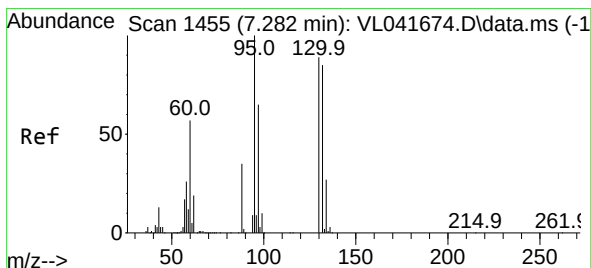
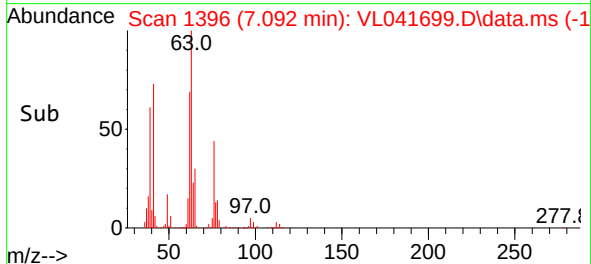
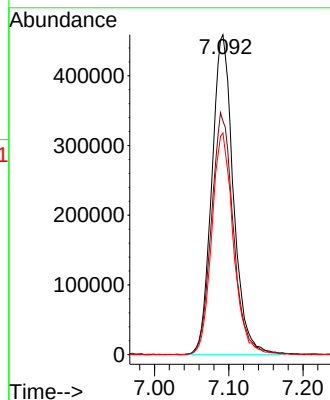
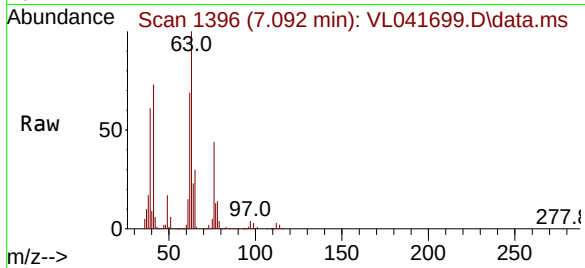




#39
1,2-Dichloropropane
Concen: 9.759 ppbv
RT: 7.092 min Scan# 11
Delta R.T. 0.019 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

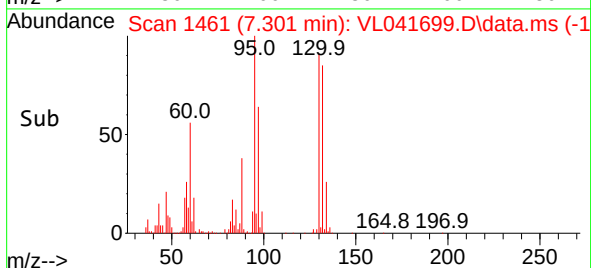
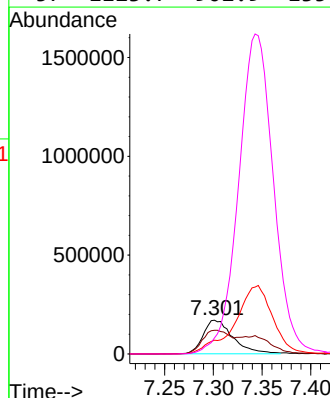
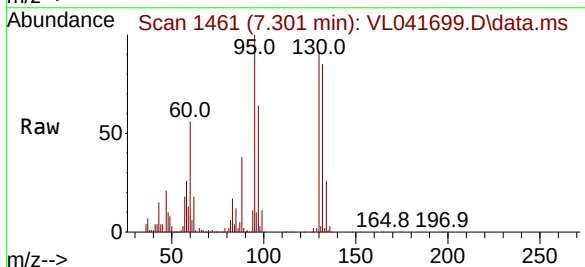
Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

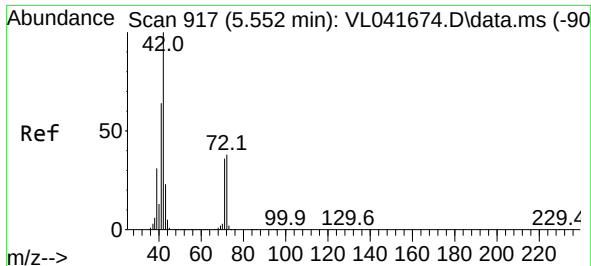
Tgt Ion: 63 Resp: 925581
Ion Ratio Lower Upper
63 100
41 72.9 59.1 88.7
62 69.3 57.7 86.5



#40
1,4-Dioxane
Concen: 10.596 ppbv
RT: 7.301 min Scan# 1461
Delta R.T. 0.019 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

Tgt Ion: 88 Resp: 360556
Ion Ratio Lower Upper
88 100
58 126.0 101.4 152.2
43 260.6 208.0 312.0
57 1123.7 902.9 1354.3





#41

Tetrahydrofuran

Concen: 10.257 ppbv

RT: 5.571 min Scan# 917

Delta R.T. 0.019 min

Lab File: VL041699.D

Acq: 20 Nov 2024 13:15

Instrument :

MSVOA_L

ClientSampleId :

VL1120ABS01

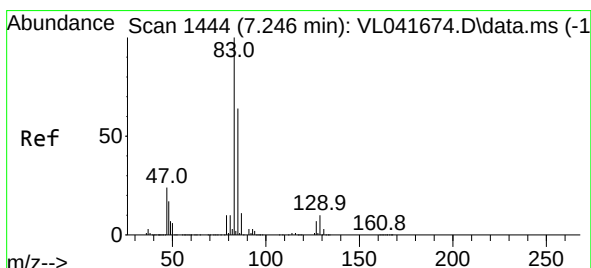
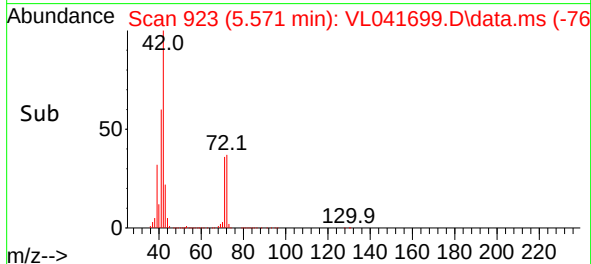
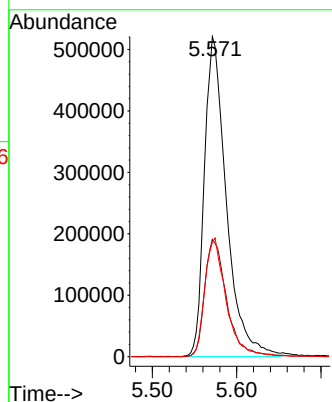
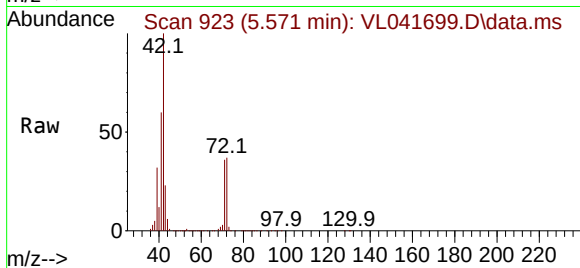
Tgt Ion: 42 Resp: 944780

Ion Ratio Lower Upper

42 100

72 36.8 29.8 44.6

71 36.4 29.4 44.2



#42

Bromodichloromethane

Concen: 10.147 ppbv

RT: 7.269 min Scan# 1451

Delta R.T. 0.023 min

Lab File: VL041699.D

Acq: 20 Nov 2024 13:15

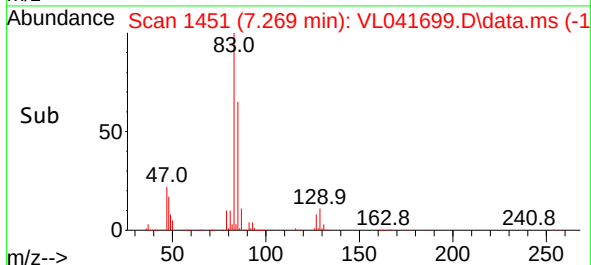
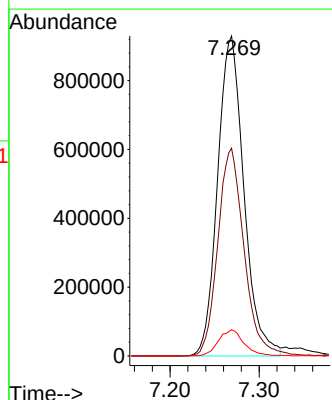
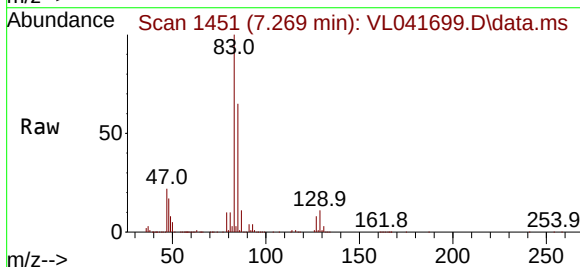
Tgt Ion: 83 Resp: 1909198

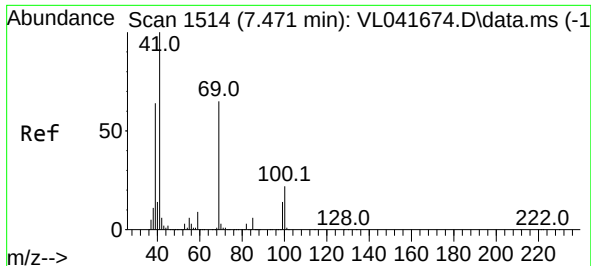
Ion Ratio Lower Upper

83 100

85 64.9 51.2 76.8

127 8.2 6.0 9.0

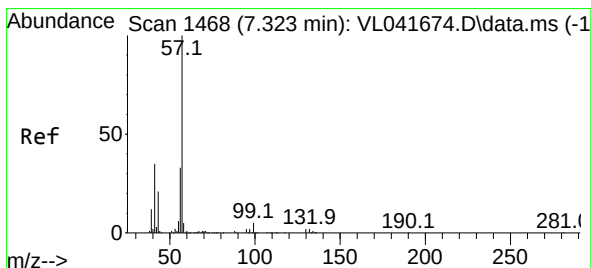
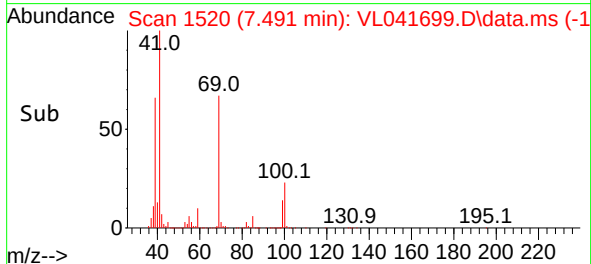
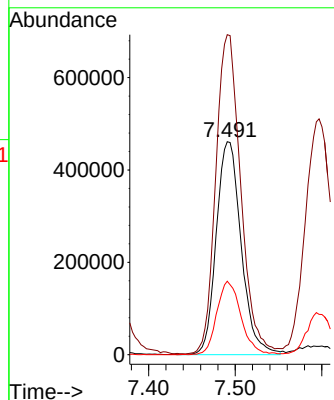
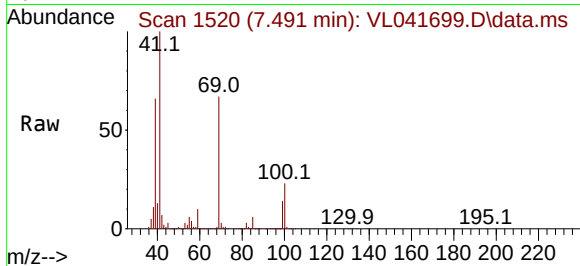




#43
Methyl Methacrylate
Concen: 10.923 ppbv
RT: 7.491 min Scan# 1520
Delta R.T. 0.019 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

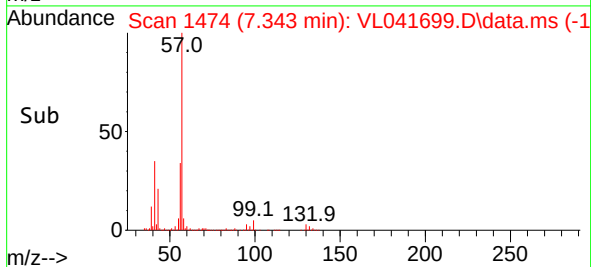
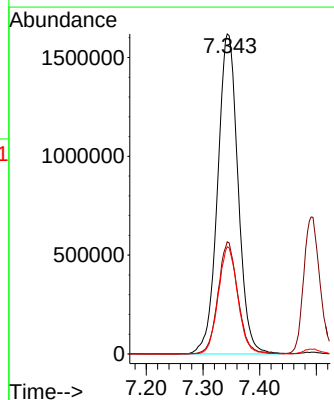
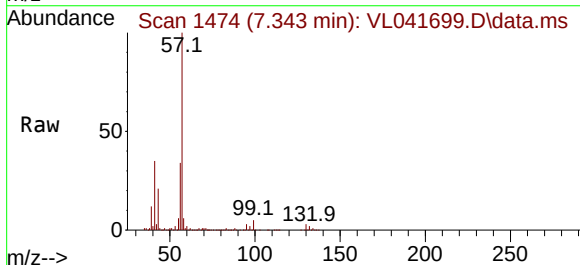
Instrument :
MSVOA_1
ClientSampleId :
VL1120ABS01

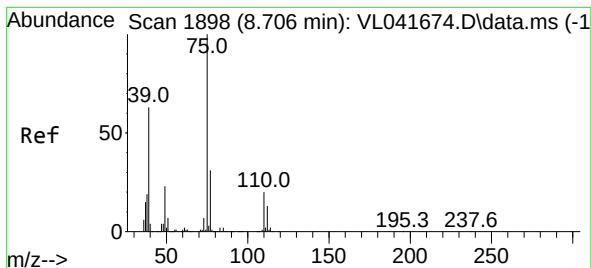
Tgt Ion: 69 Resp: 920452
Ion Ratio Lower Upper
69 100
41 150.9 119.8 179.6
100 33.6 27.3 40.9



#44
2,2,4-Trimethylpentane
Concen: 9.958 ppbv
RT: 7.343 min Scan# 1474
Delta R.T. 0.019 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

Tgt Ion: 57 Resp: 4048166
Ion Ratio Lower Upper
57 100
41 34.0 27.0 40.6
56 32.1 25.8 38.6





#45

t-1,3-Dichloropropene

Concen: 11.439 ppbv

RT: 8.729 min Scan# 1898

Delta R.T. 0.023 min

Lab File: VL041699.D

Acq: 20 Nov 2024 13:15

Instrument :

MSVOA_1

ClientSampleId :

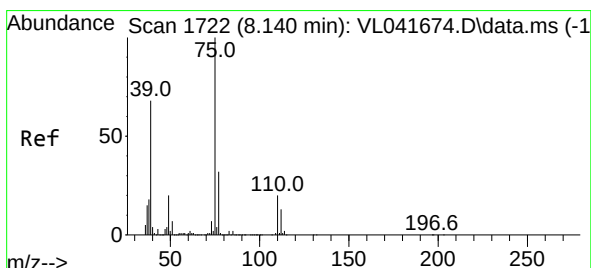
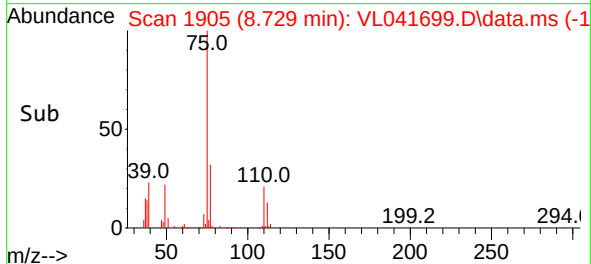
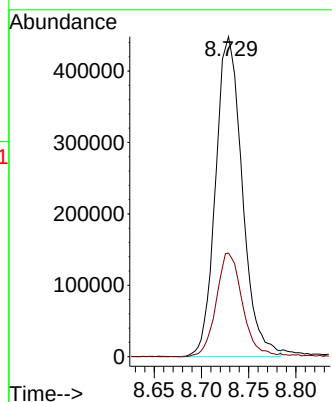
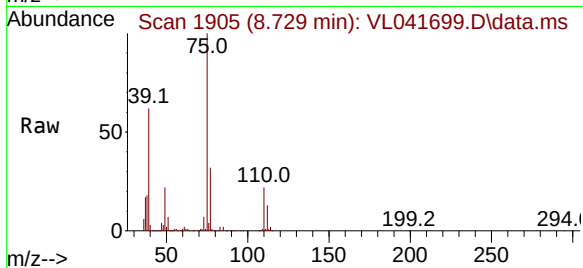
VL1120ABS01

Tgt Ion: 75 Resp: 880781

Ion Ratio Lower Upper

75 100

77 32.3 24.7 37.1



#46

cis-1,3-Dichloropropene

Concen: 11.089 ppbv

RT: 8.160 min Scan# 1728

Delta R.T. 0.019 min

Lab File: VL041699.D

Acq: 20 Nov 2024 13:15

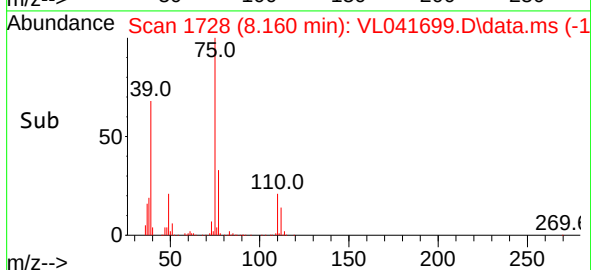
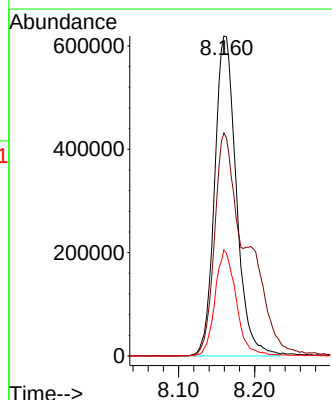
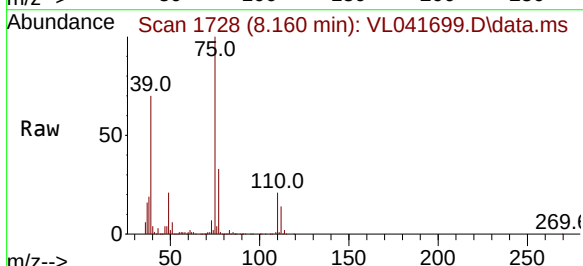
Tgt Ion: 75 Resp: 1226432

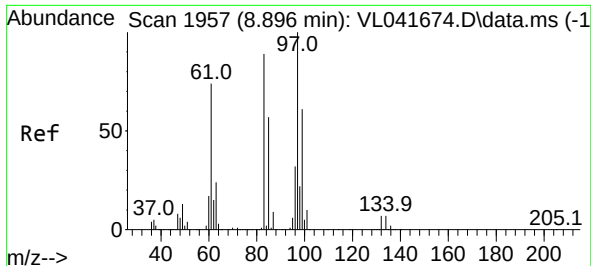
Ion Ratio Lower Upper

75 100

39 69.6 54.1 81.1

77 33.2 25.3 37.9

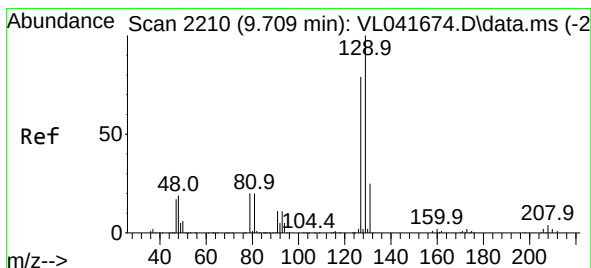
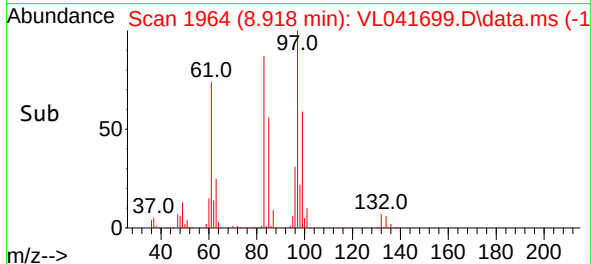
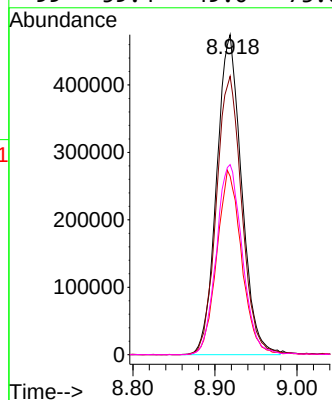
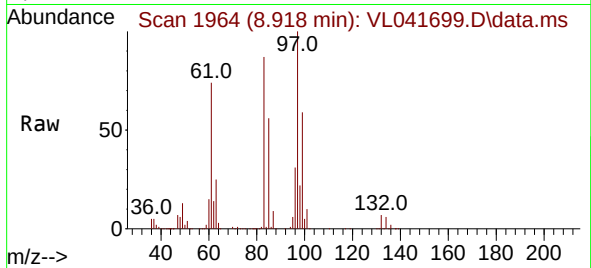




#47
1,1,2-Trichloroethane
Concen: 9.776 ppbv
RT: 8.918 min Scan# 1957
Delta R.T. 0.023 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

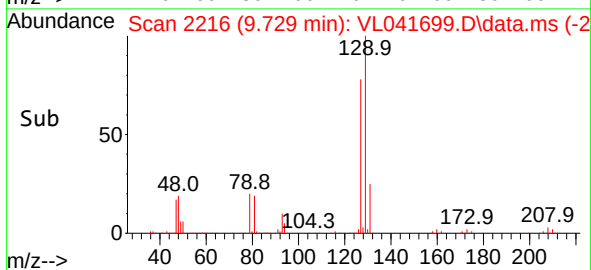
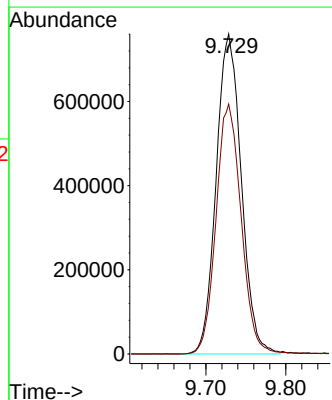
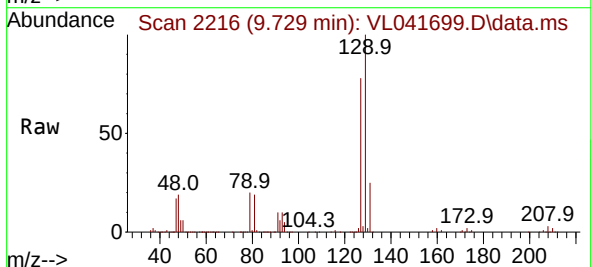
Instrument :
MSVOA_1
ClientSampleId :
VL1120ABS01

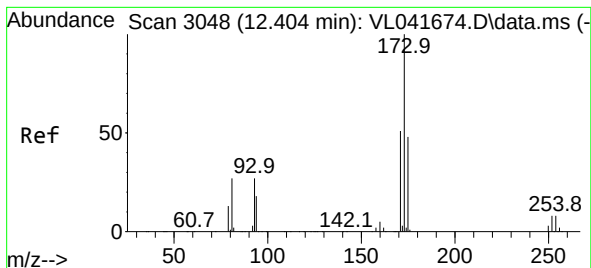
Tgt Ion: 97 Resp: 1003450
Ion Ratio Lower Upper
97 100
83 87.0 71.0 106.6
85 55.7 45.4 68.2
99 59.4 49.0 73.6



#48
Dibromochloromethane
Concen: 10.628 ppbv
RT: 9.729 min Scan# 2216
Delta R.T. 0.019 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

Tgt Ion: 129 Resp: 1658425
Ion Ratio Lower Upper
129 100
127 78.3 39.1 117.2





#49

Bromoform

Concen: 11.123 ppbv

RT: 12.423 min Scan# 3048

Delta R.T. 0.019 min

Lab File: VL041699.D

Acq: 20 Nov 2024 13:15

Instrument :

MSVOA_1

ClientSampleId :

VL1120ABS01

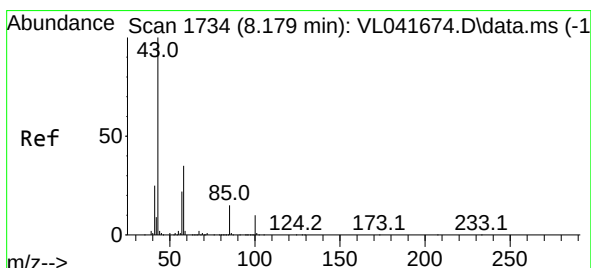
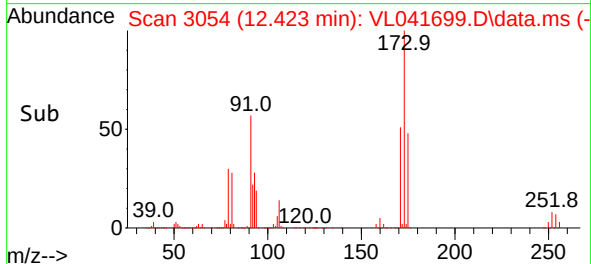
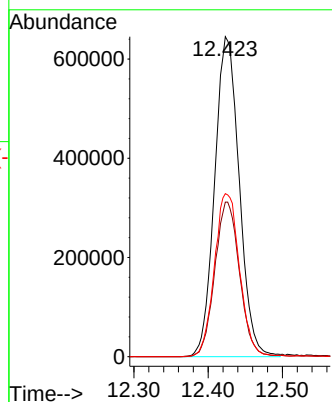
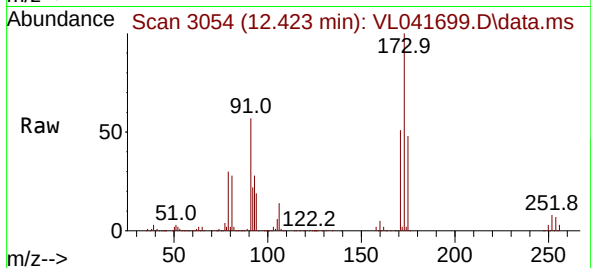
Tgt Ion:173 Resp: 1485005

Ion Ratio Lower Upper

173 100

175 48.9 39.2 58.8

171 52.3 41.7 62.5



#50

4-Methyl-2-Pentanone

Concen: 10.473 ppbv

RT: 8.198 min Scan# 1740

Delta R.T. 0.019 min

Lab File: VL041699.D

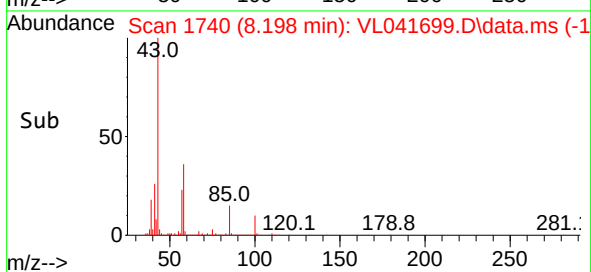
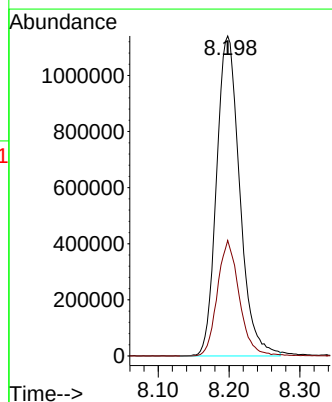
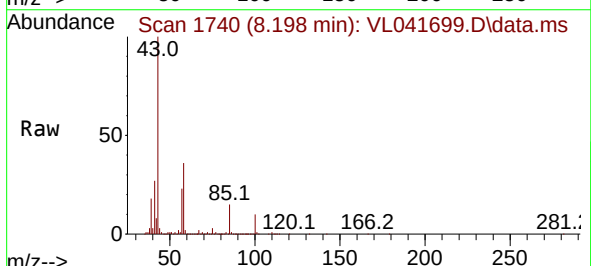
Acq: 20 Nov 2024 13:15

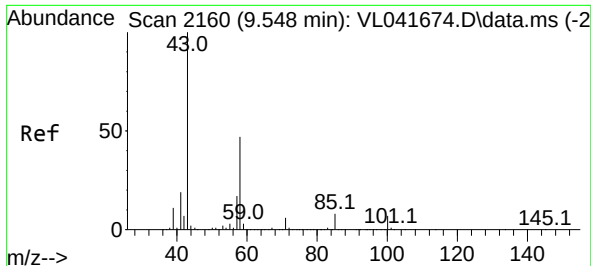
Tgt Ion: 43 Resp: 2593146

Ion Ratio Lower Upper

43 100

58 34.3 27.7 41.5

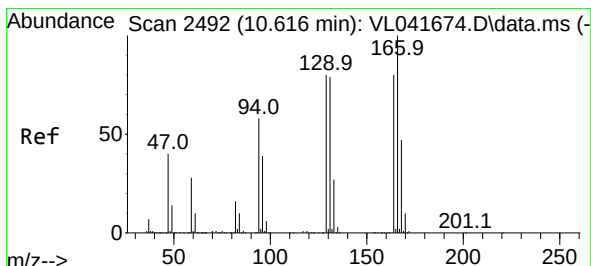
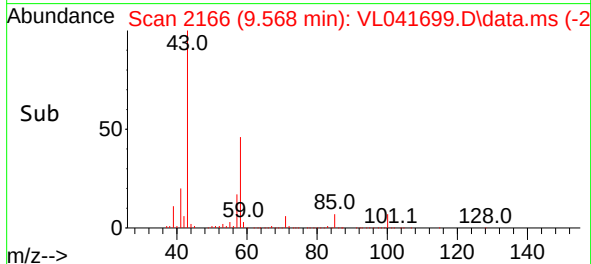
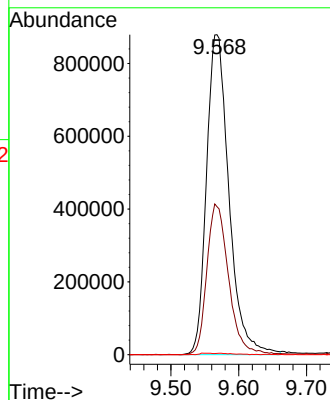
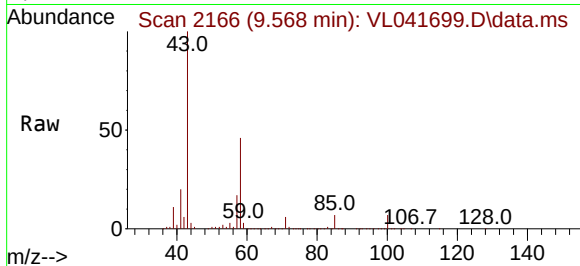




#51
2-Hexanone
Concen: 11.196 ppbv
RT: 9.568 min Scan# 2160
Delta R.T. 0.019 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

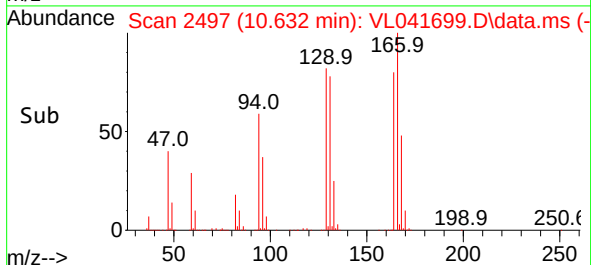
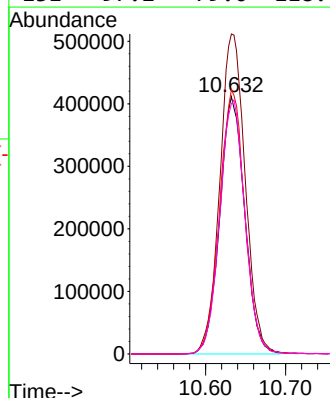
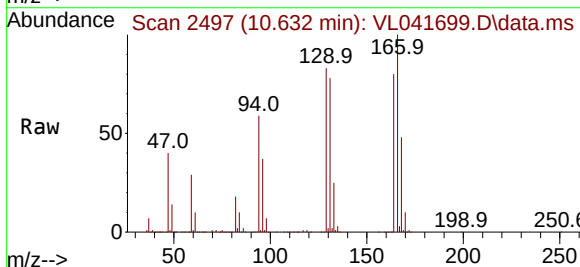
Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

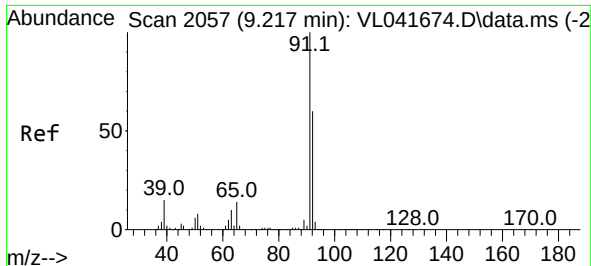
Tgt Ion: 43 Resp: 2018735
Ion Ratio Lower Upper
43 100
58 46.0 37.0 55.6
98 0.6 0.6 0.8



#52
Tetrachloroethene
Concen: 10.856 ppbv
RT: 10.632 min Scan# 2497
Delta R.T. 0.016 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

Tgt Ion: 164 Resp: 887903
Ion Ratio Lower Upper
164 100
166 124.3 100.2 150.4
129 102.7 79.7 119.5
131 97.2 79.0 118.4

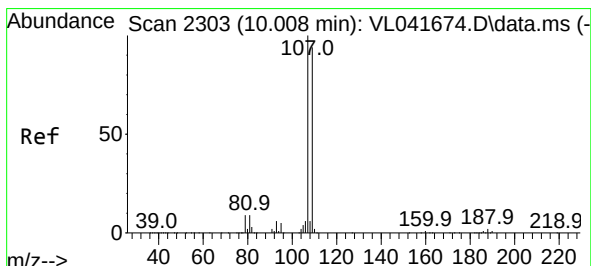
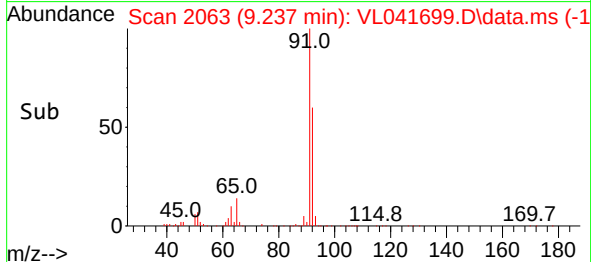
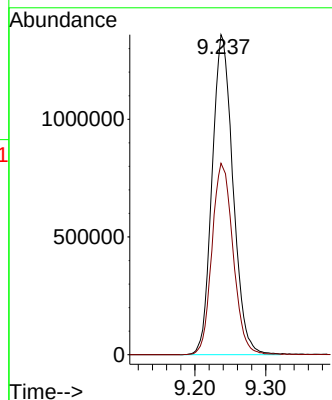
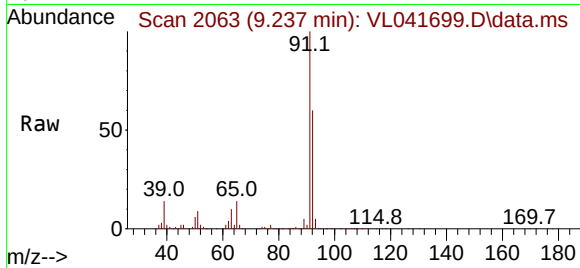




#53
Toluene
Concen: 11.016 ppbv
RT: 9.237 min Scan# 2057
Delta R.T. 0.019 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

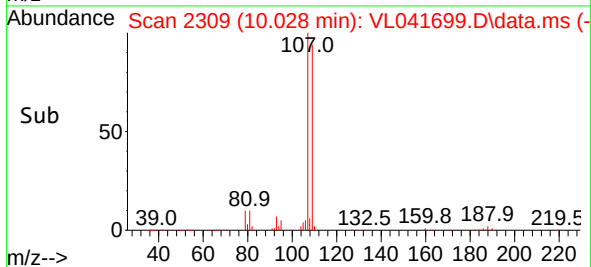
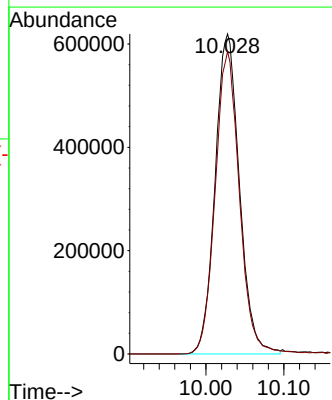
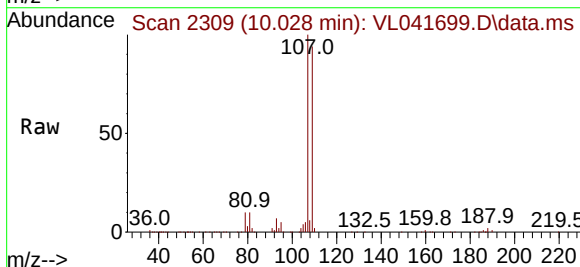
Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

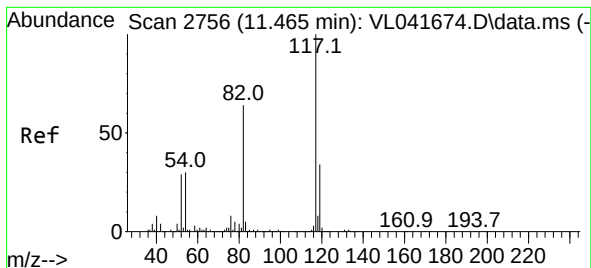
Tgt Ion: 91 Resp: 2780287
Ion Ratio Lower Upper
91 100
92 60.6 49.0 73.4



#54
1,2-Dibromoethane
Concen: 11.206 ppbv
RT: 10.028 min Scan# 2309
Delta R.T. 0.019 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

Tgt Ion: 107 Resp: 1343883
Ion Ratio Lower Upper
107 100
109 94.5 74.9 112.3





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.484 min Scan# 2756

Delta R.T. 0.019 min

Lab File: VL041699.D

Acq: 20 Nov 2024 13:15

Instrument :

MSVOA_1

ClientSampleId :

VL1120ABS01

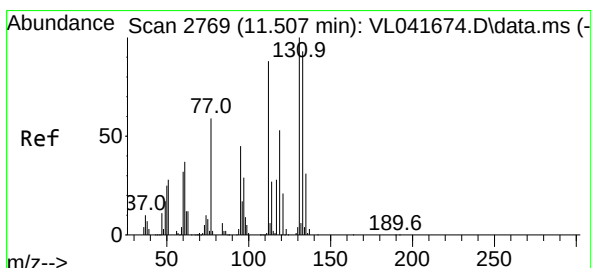
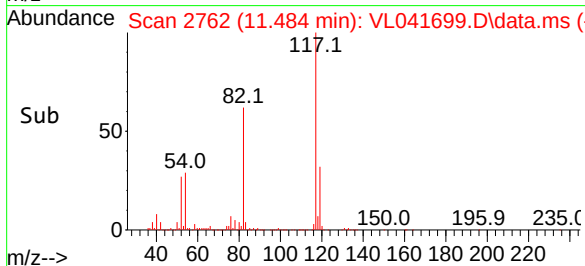
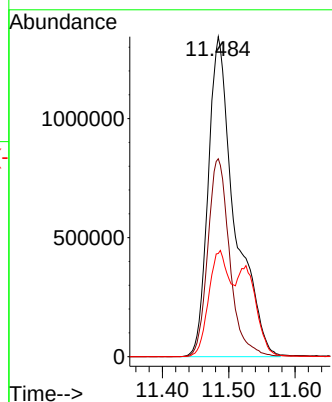
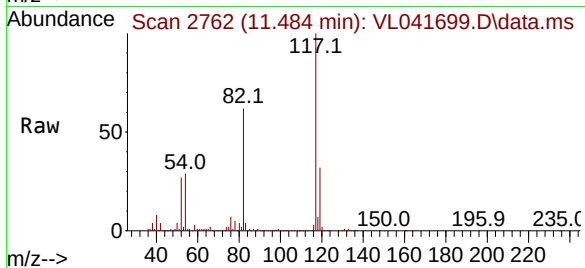
Tgt Ion:117 Resp: 3750301

Ion Ratio Lower Upper

117 100

82 51.6 49.8 74.8

119 26.2 24.2 36.4



#56

1,1,1,2-Tetrachloroethane

Concen: 8.228 ppbv

RT: 11.526 min Scan# 2775

Delta R.T. 0.019 min

Lab File: VL041699.D

Acq: 20 Nov 2024 13:15

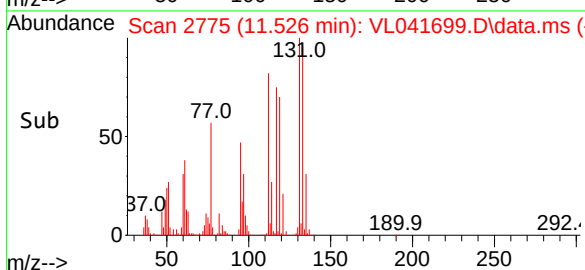
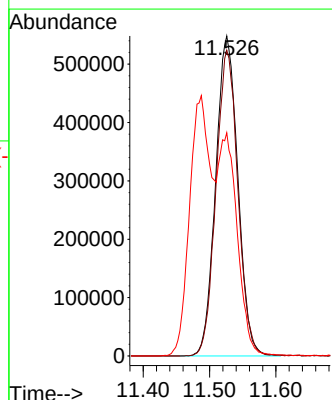
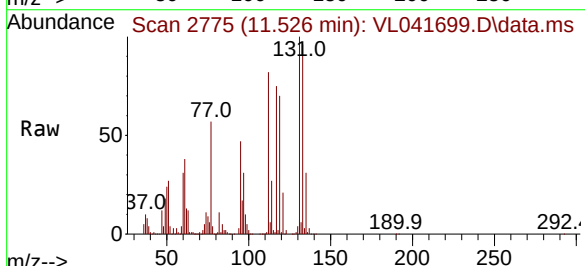
Tgt Ion:131 Resp: 1272657

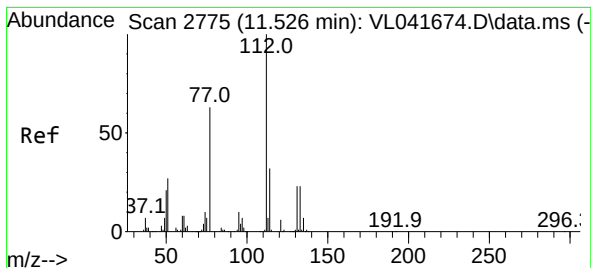
Ion Ratio Lower Upper

131 100

133 94.6 76.5 114.7

119 63.0 49.8 74.8

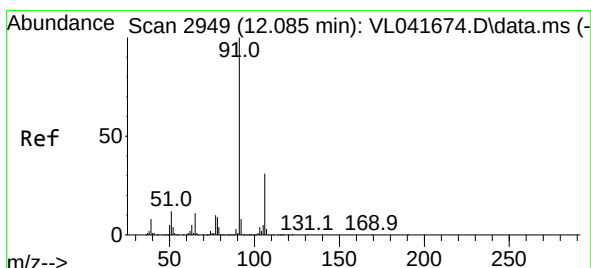
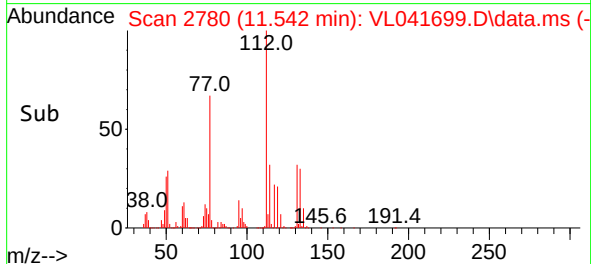
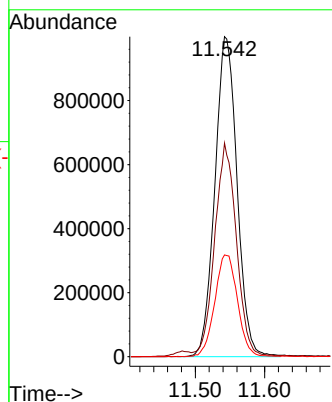
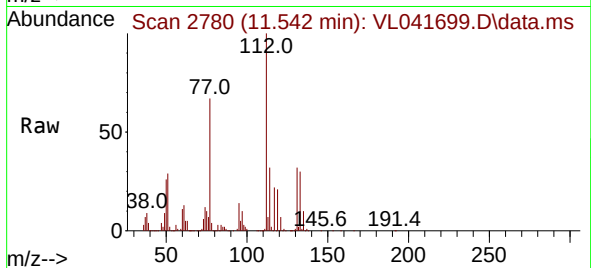




#57
Chlorobenzene
Concen: 8.018 ppbv
RT: 11.542 min Scan# 211
Delta R.T. 0.016 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

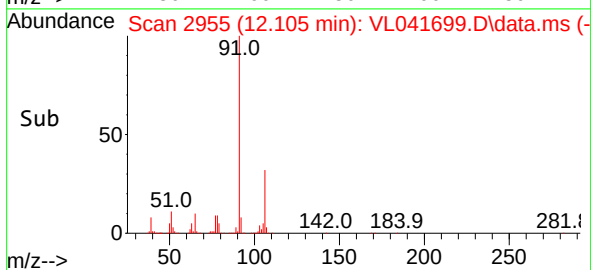
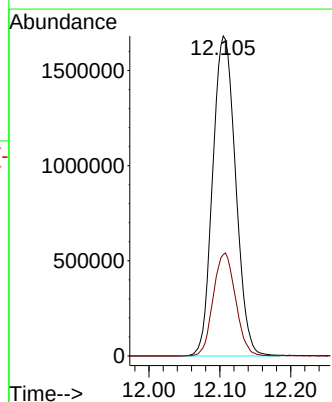
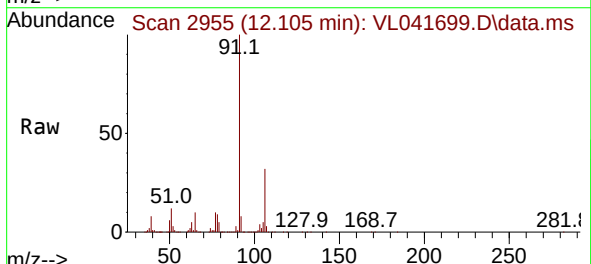
Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

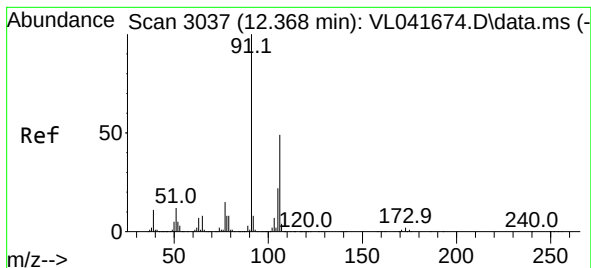
Tgt Ion:112 Resp: 2224042
Ion Ratio Lower Upper
112 100
77 66.4 51.4 77.2
114 31.8 28.4 34.8



#58
Ethyl Benzene
Concen: 9.192 ppbv
RT: 12.105 min Scan# 2955
Delta R.T. 0.019 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

Tgt Ion: 91 Resp: 3779084
Ion Ratio Lower Upper
91 100
106 31.6 24.9 37.3





#59

m/p-Xylene

Concen: 9.544 ppbv

RT: 12.391 min Scan# 3044

Delta R.T. 0.023 min

Lab File: VL041699.D

Acq: 20 Nov 2024 13:15

Instrument :

MSVOA_L

ClientSampleId :

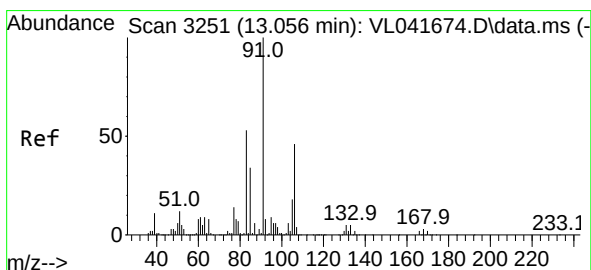
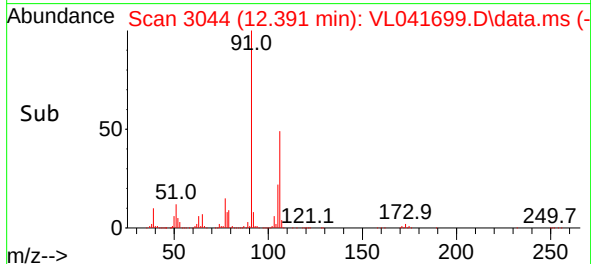
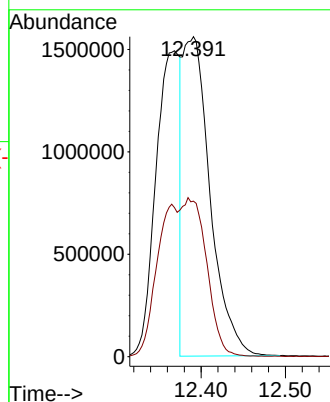
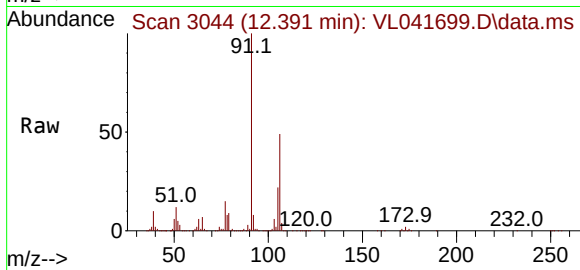
VL1120ABS01

Tgt Ion: 91 Resp: 3514133

Ion Ratio Lower Upper

91 100

106 84.8 36.9 55.3#



#60

o-Xylene

Concen: 8.864 ppbv

RT: 13.076 min Scan# 3257

Delta R.T. 0.019 min

Lab File: VL041699.D

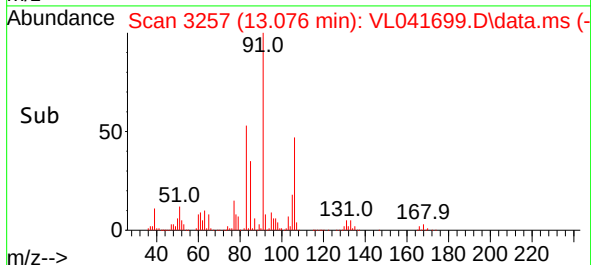
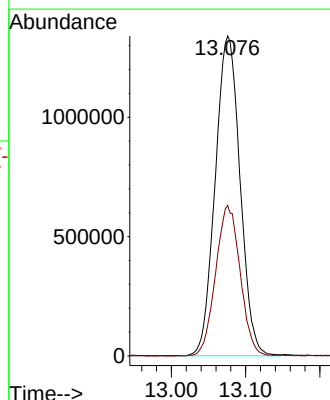
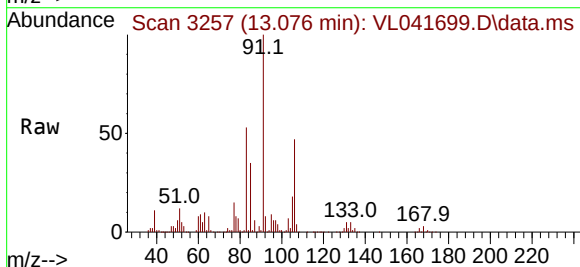
Acq: 20 Nov 2024 13:15

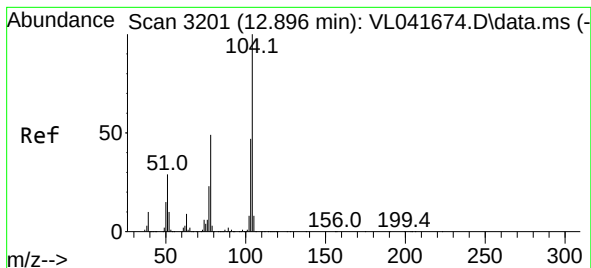
Tgt Ion: 91 Resp: 3111959

Ion Ratio Lower Upper

91 100

106 46.6 23.2 69.6





#61

Styrene

Concen: 10.377 ppbv

RT: 12.915 min Scan# 31

Delta R.T. 0.019 min

Lab File: VL041699.D

Acq: 20 Nov 2024 13:15

Instrument :

MSVOA_L

ClientSampleId :

VL1120ABS01

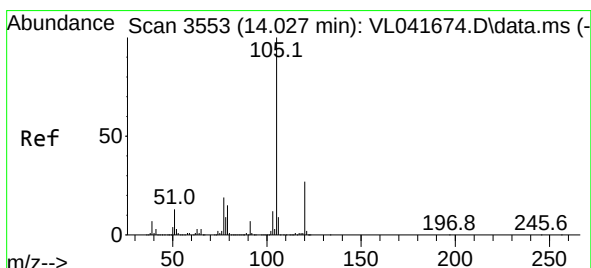
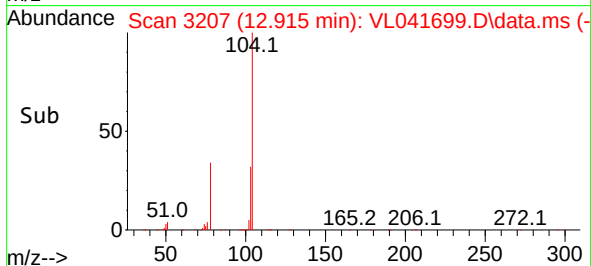
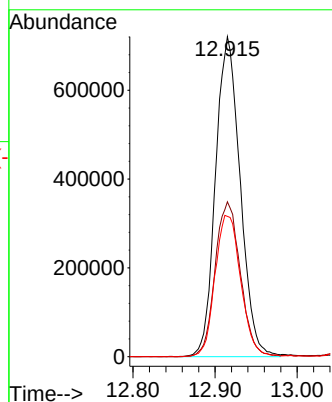
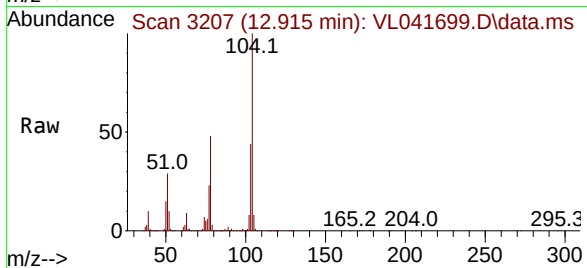
Tgt Ion:104 Resp: 1503740

Ion Ratio Lower Upper

104 100

78 49.9 39.8 59.8

103 46.4 37.4 56.0



#62

Isopropylbenzene

Concen: 8.535 ppbv

RT: 14.047 min Scan# 3559

Delta R.T. 0.019 min

Lab File: VL041699.D

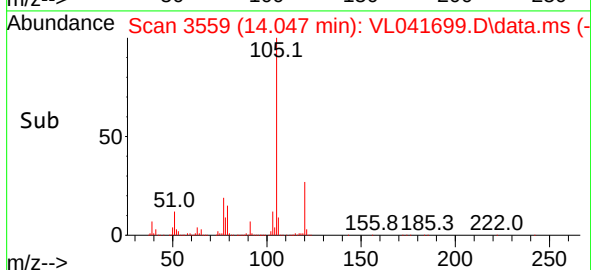
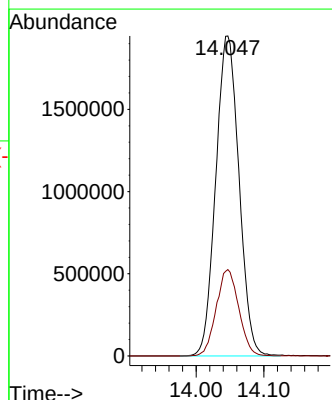
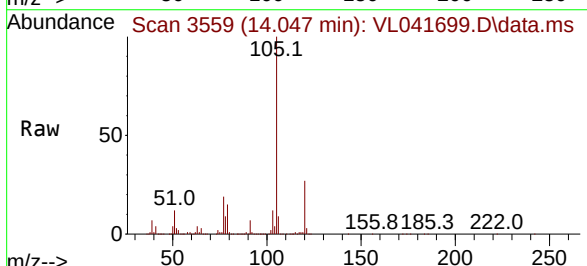
Acq: 20 Nov 2024 13:15

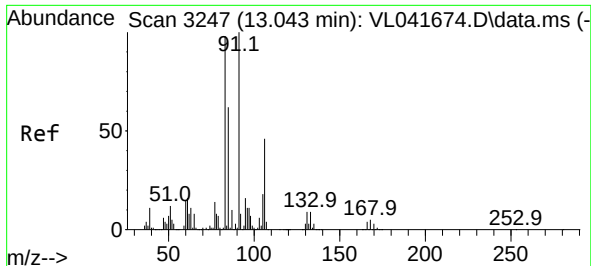
Tgt Ion:105 Resp: 4628133

Ion Ratio Lower Upper

105 100

120 26.2 21.1 31.7

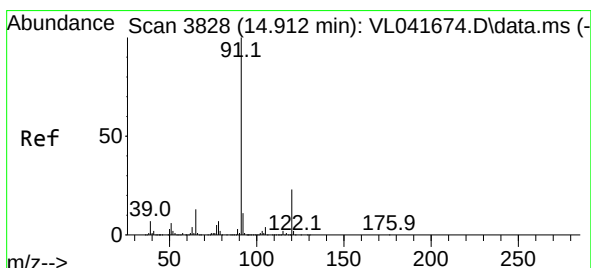
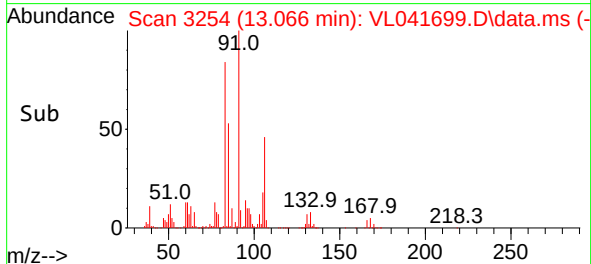
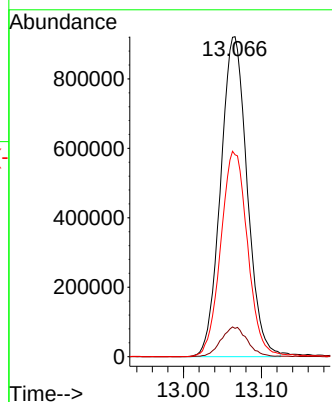
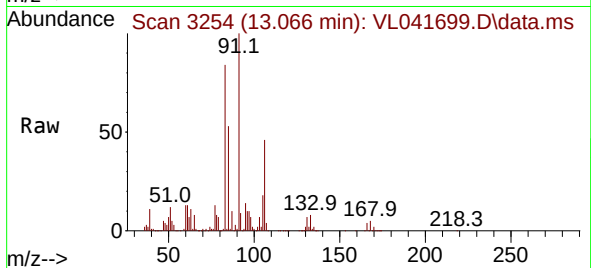




#63
1,1,2,2-Tetrachloroethane
Concen: 8.440 ppbv
RT: 13.066 min Scan# 31
Delta R.T. 0.023 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

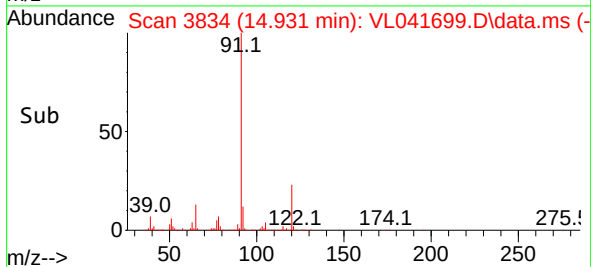
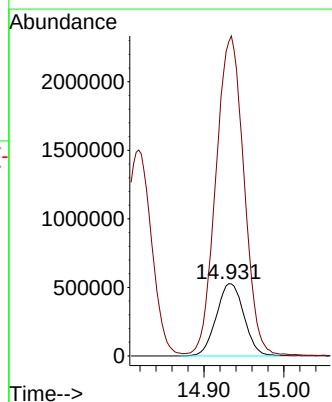
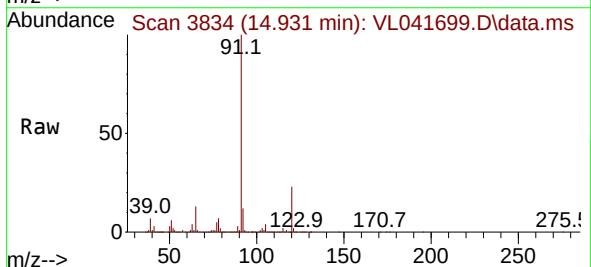
Instrument :
MSVOA_1
ClientSampleId :
VL1120ABS01

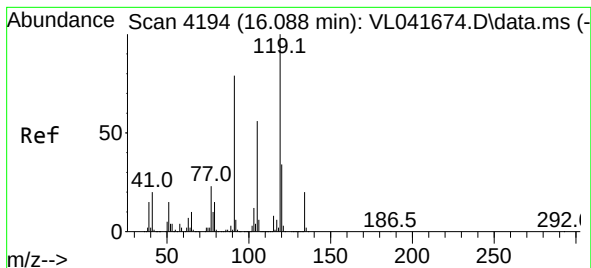
Tgt Ion: 83 Resp: 2179613
Ion Ratio Lower Upper
83 100
131 9.4 4.8 14.3
85 65.4 32.6 98.0



#64
n-propylbenzene
Concen: 8.907 ppbv
RT: 14.931 min Scan# 3834
Delta R.T. 0.019 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

Tgt Ion:120 Resp: 1264315
Ion Ratio Lower Upper
120 100
91 451.4 362.4 543.6

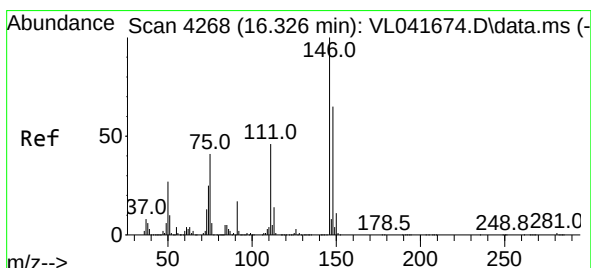
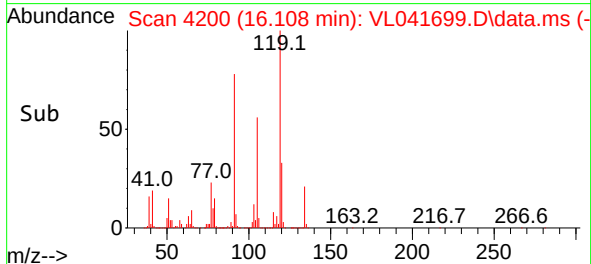
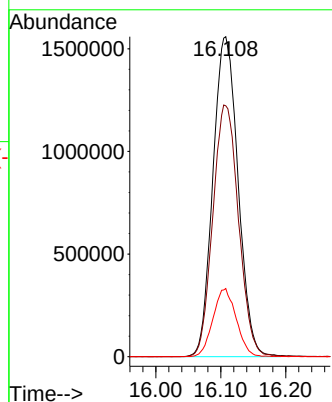
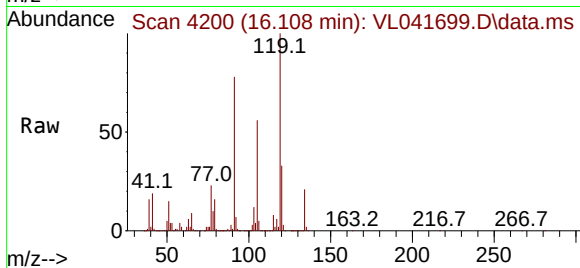




#65
tert-Butylbenzene
Concen: 8.589 ppbv
RT: 16.108 min Scan# 4194
Delta R.T. 0.019 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

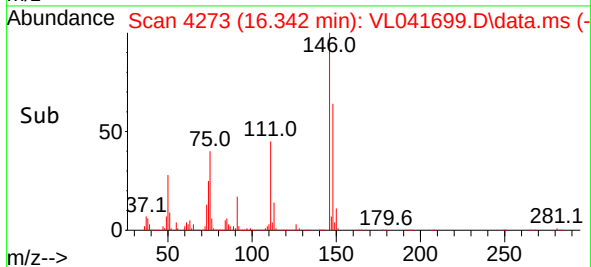
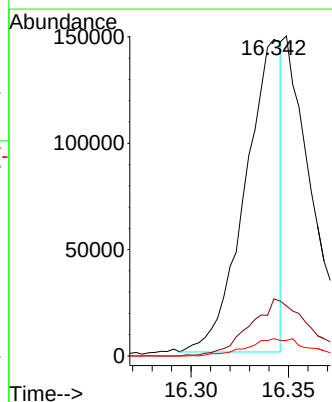
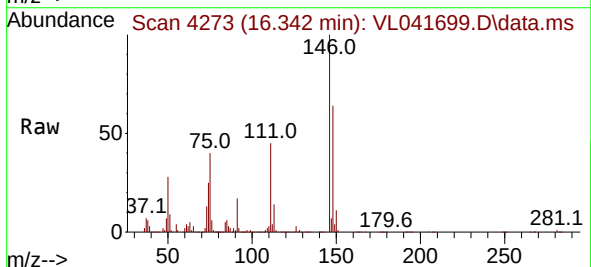
Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

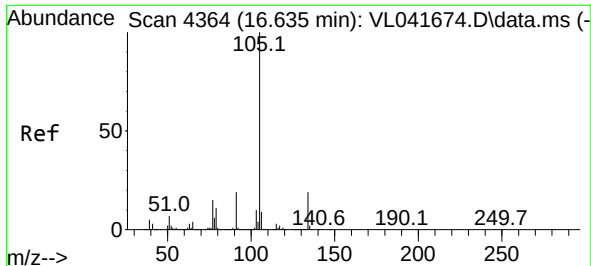
Tgt Ion:119 Resp: 4185885
Ion Ratio Lower Upper
119 100
91 80.3 64.3 96.5
134 19.8 15.8 23.8



#66
Benzyl Chloride
Concen: 5.064 ppbv
RT: 16.342 min Scan# 4273
Delta R.T. 0.016 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

Tgt Ion: 91 Resp: 189850
Ion Ratio Lower Upper
91 100
126 31.6 13.8 20.6#
128 10.2 4.3 6.5#

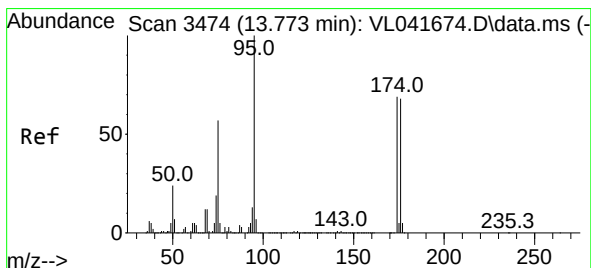
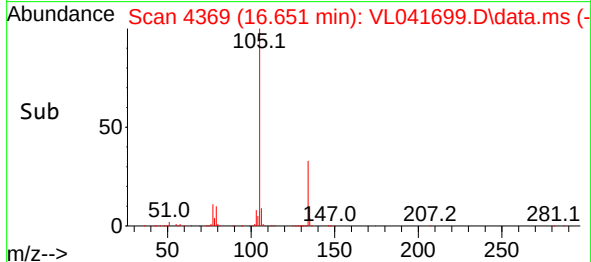
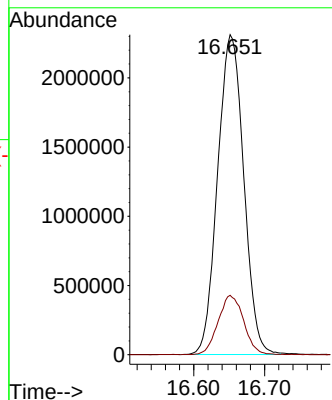
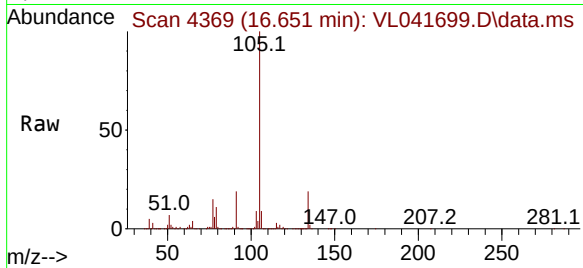




#67
 sec-Butylbenzene
 Concen: 8.608 ppbv
 RT: 16.651 min Scan# 41
 Delta R.T. 0.016 min
 Lab File: VL041699.D
 Acq: 20 Nov 2024 13:15

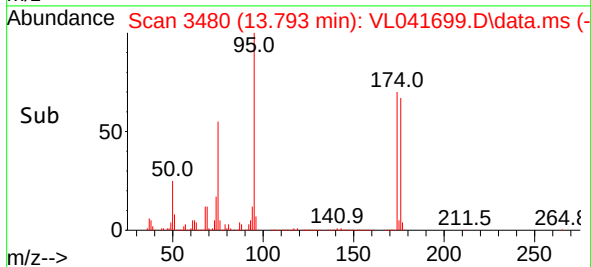
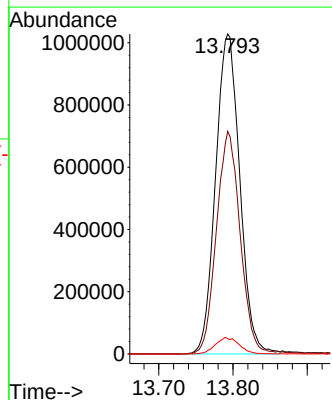
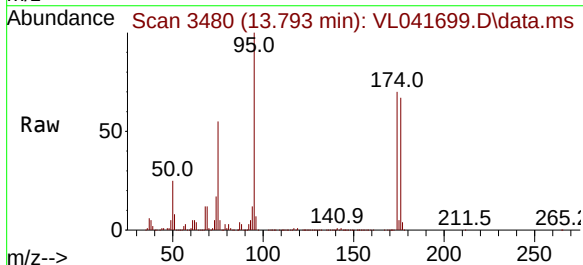
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1120ABS01

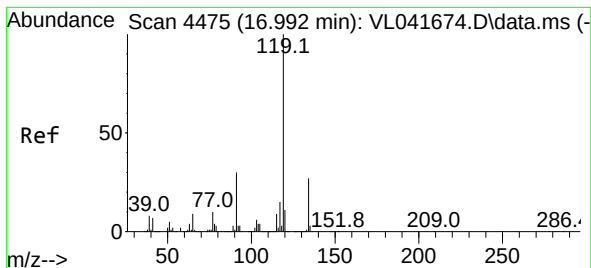
Tgt Ion:105 Resp: 5912468
 Ion Ratio Lower Upper
 105 100
 134 18.2 14.6 22.0



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.430 ppbv
 RT: 13.793 min Scan# 3480
 Delta R.T. 0.019 min
 Lab File: VL041699.D
 Acq: 20 Nov 2024 13:15

Tgt Ion: 95 Resp: 2329378
 Ion Ratio Lower Upper
 95 100
 174 68.9 55.6 83.4
 175 5.1 4.2 6.2

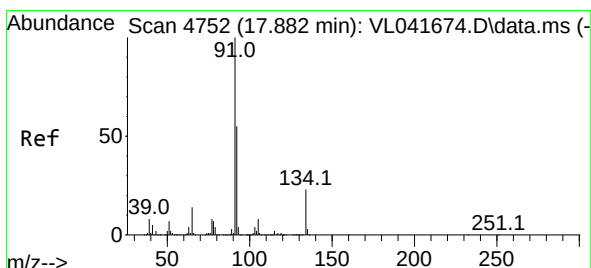
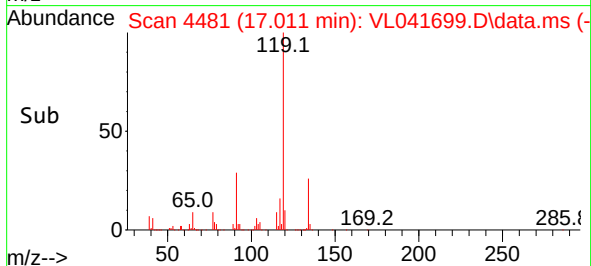
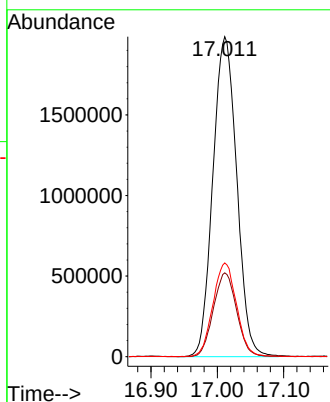
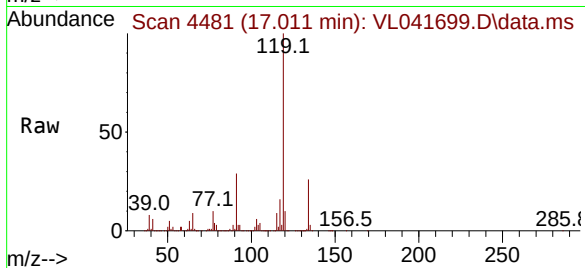




#69
p-Isopropyltoluene
Concen: 8.925 ppbv
RT: 17.011 min Scan# 4475
Delta R.T. 0.019 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

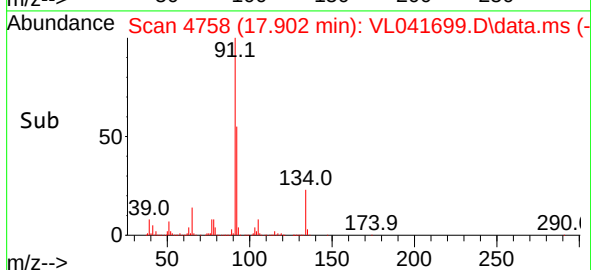
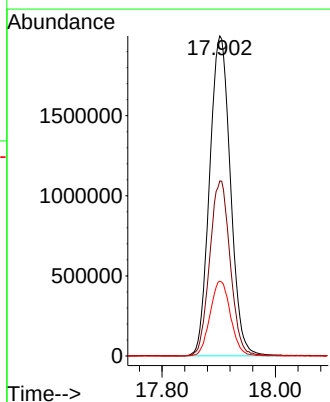
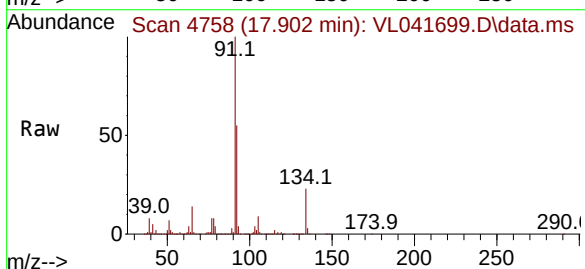
Instrument :
MSVOA_1
ClientSampleId :
VL1120ABS01

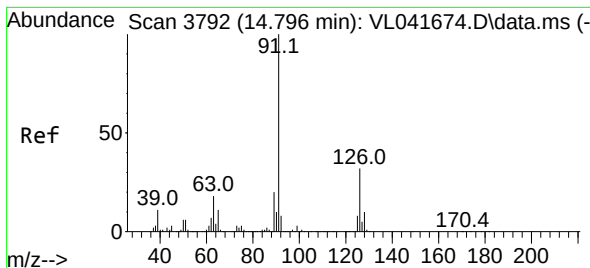
Tgt Ion:119 Resp: 4955798
Ion Ratio Lower Upper
119 100
134 25.7 20.8 31.2
91 28.9 23.2 34.8



#70
n-Butylbenzene
Concen: 8.967 ppbv
RT: 17.902 min Scan# 4758
Delta R.T. 0.019 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

Tgt Ion: 91 Resp: 5094738
Ion Ratio Lower Upper
91 100
92 54.0 43.3 64.9
134 23.1 18.4 27.6





#71

2-Chlorotoluene

Concen: 8.946 ppbv

RT: 14.818 min Scan# 31

Delta R.T. 0.023 min

Lab File: VL041699.D

Acq: 20 Nov 2024 13:15

Instrument :

MSVOA_L

ClientSampleId :

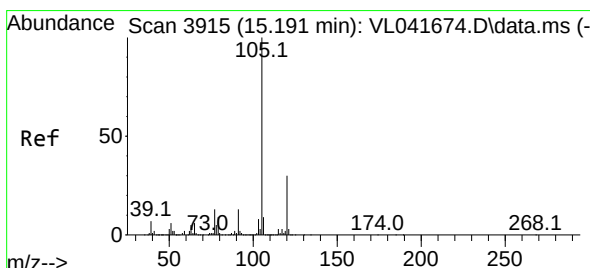
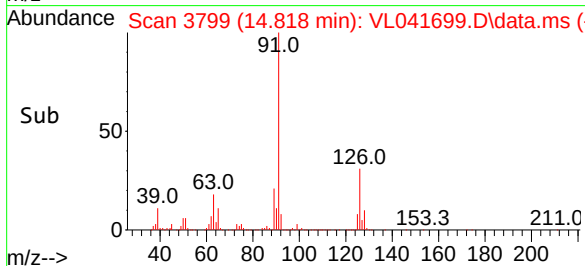
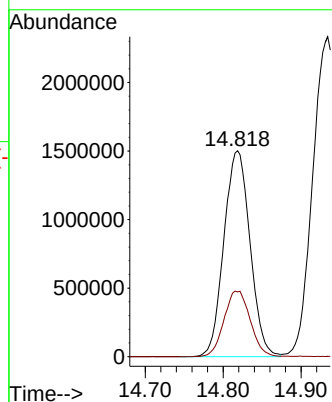
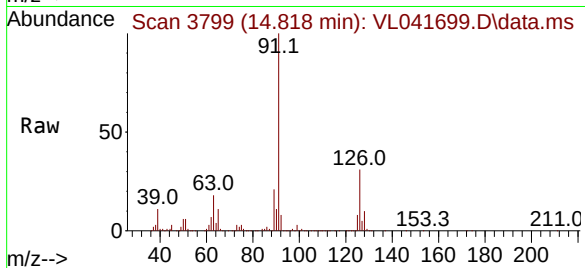
VL1120ABS01

Tgt Ion: 91 Resp: 3506297

Ion Ratio Lower Upper

91 100

126 32.2 12.8 51.0



#72

4-Ethyltoluene

Concen: 9.286 ppbv

RT: 15.211 min Scan# 3921

Delta R.T. 0.019 min

Lab File: VL041699.D

Acq: 20 Nov 2024 13:15

Tgt Ion: 105 Resp: 3790505

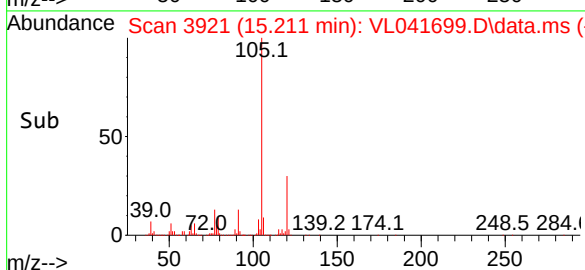
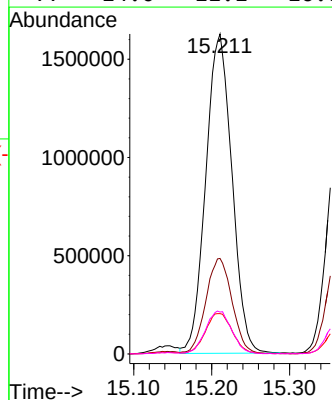
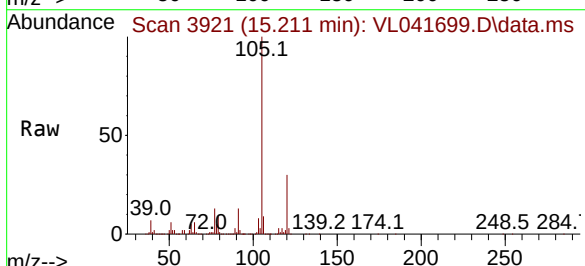
Ion Ratio Lower Upper

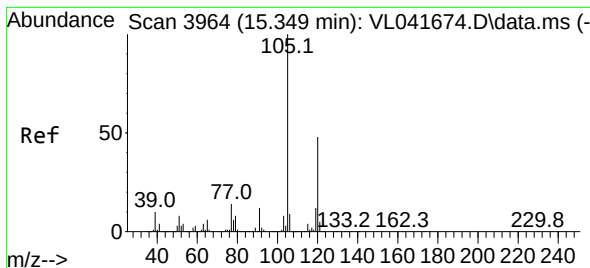
105 100

120 30.8 25.0 37.4

91 13.1 10.6 15.8

77 14.0 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 9.056 ppbv

RT: 15.368 min Scan# 3964

Delta R.T. 0.019 min

Lab File: VL041699.D

Acq: 20 Nov 2024 13:15

Instrument :

MSVOA_1

ClientSampleId :

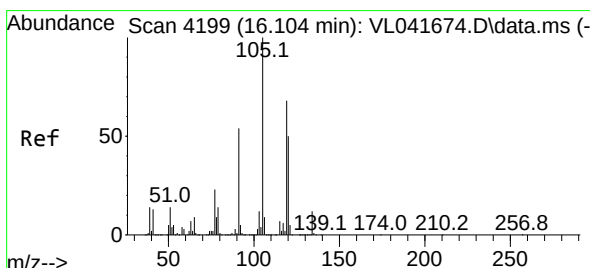
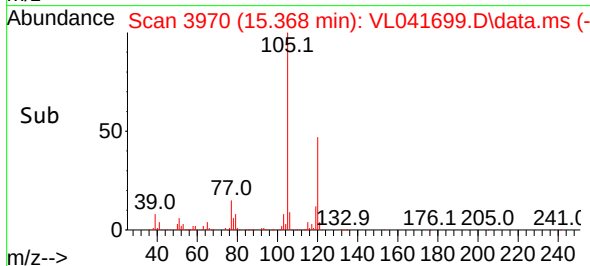
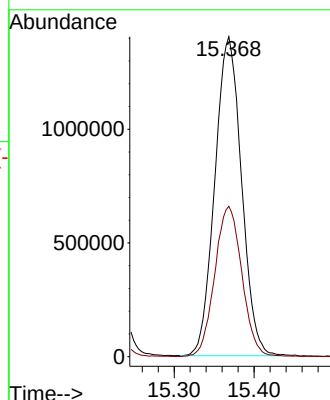
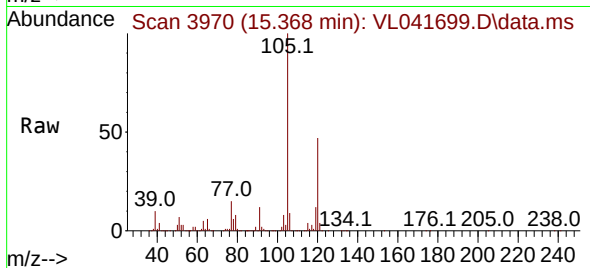
VL1120ABS01

Tgt Ion:105 Resp: 3243824

Ion Ratio Lower Upper

105 100

120 47.1 38.4 57.6



#74

1,2,4-Trimethylbenzene

Concen: 8.644 ppbv

RT: 16.124 min Scan# 4205

Delta R.T. 0.019 min

Lab File: VL041699.D

Acq: 20 Nov 2024 13:15

Tgt Ion:105 Resp: 3596562

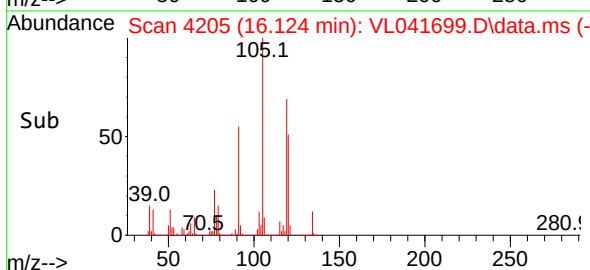
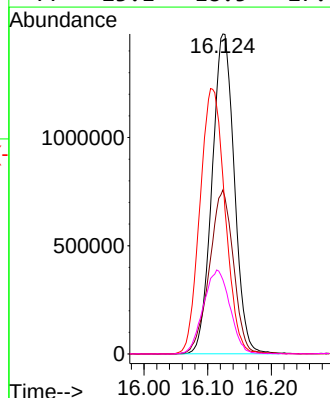
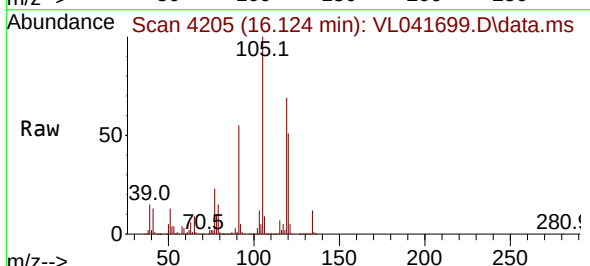
Ion Ratio Lower Upper

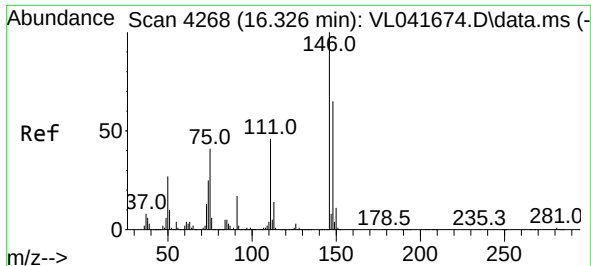
105 100

120 51.2 39.8 59.8

91 54.9 43.2 64.8

77 23.1 18.5 27.7

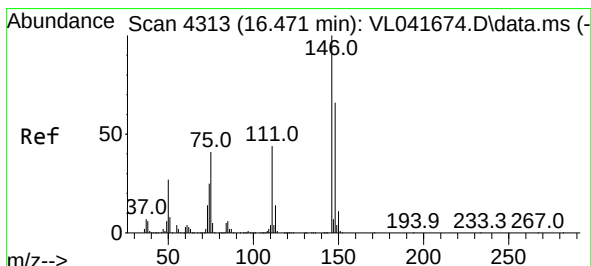
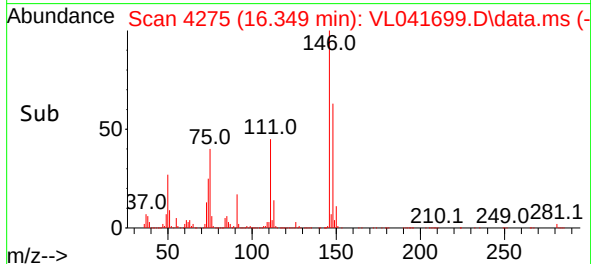
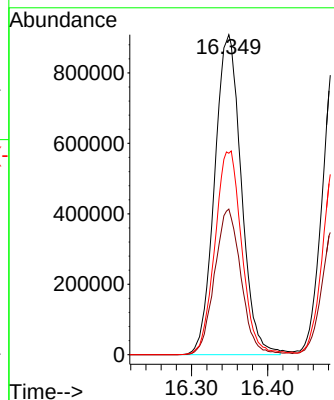
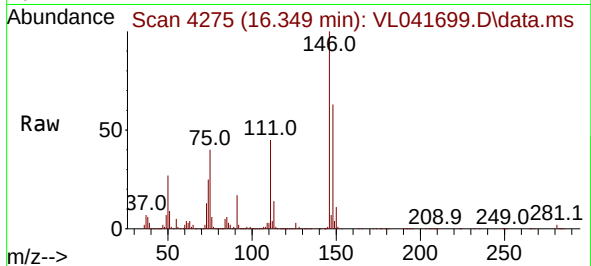




#75
1,3-Dichlorobenzene
Concen: 8.580 ppbv
RT: 16.349 min Scan# 4319
Delta R.T. 0.023 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

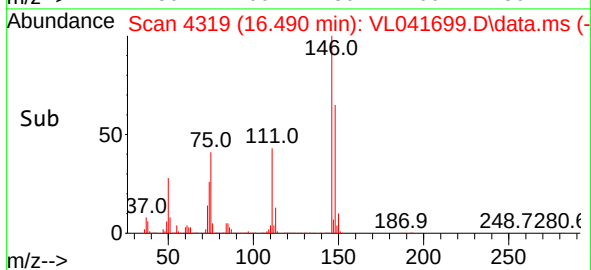
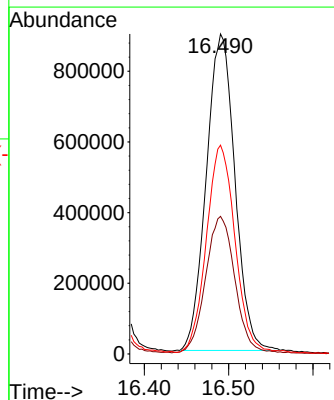
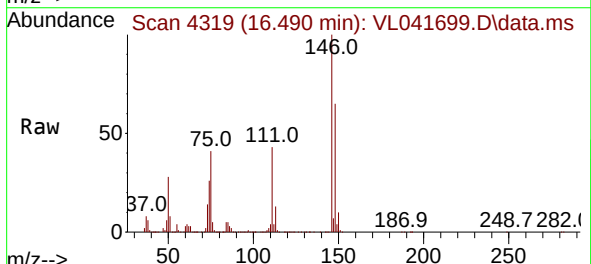
Instrument :
MSVOA_1
ClientSampleId :
VL1120ABS01

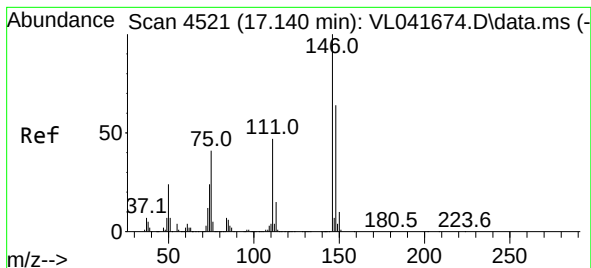
Tgt Ion:146 Resp: 2210855
Ion Ratio Lower Upper
146 100
111 45.2 22.8 68.3
148 64.1 32.4 97.0



#76
1,4-Dichlorobenzene
Concen: 8.508 ppbv
RT: 16.490 min Scan# 4319
Delta R.T. 0.019 min
Lab File: VL041699.D
Acq: 20 Nov 2024 13:15

Tgt Ion:146 Resp: 2115126
Ion Ratio Lower Upper
146 100
111 45.3 22.1 66.3
148 67.4 33.3 99.8





#77

1,2-Dichlorobenzene

Concen: 8.440 ppbv

RT: 17.162 min Scan# 4521

Delta R.T. 0.023 min

Lab File: VL041699.D

Acq: 20 Nov 2024 13:15

Instrument :

MSVOA_L

ClientSampleId :

VL1120ABS01

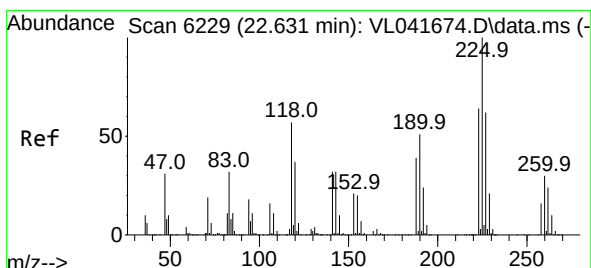
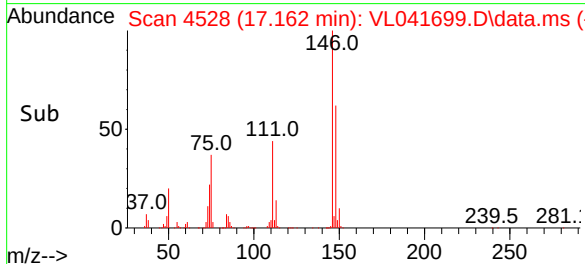
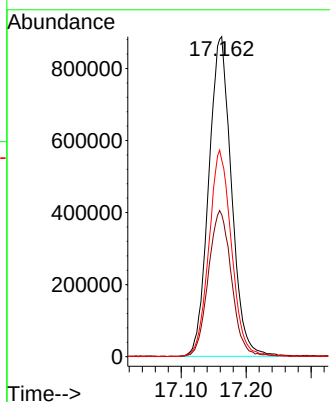
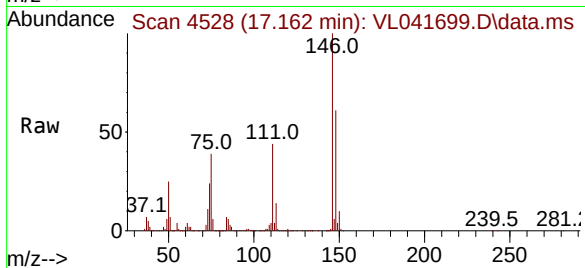
Tgt Ion:146 Resp: 2154411

Ion Ratio Lower Upper

146 100

111 46.7 23.4 70.3

148 64.3 32.1 96.5



#78

Hexachloro-1,3-Butadiene

Concen: 7.174 ppbv

RT: 22.651 min Scan# 6235

Delta R.T. 0.019 min

Lab File: VL041699.D

Acq: 20 Nov 2024 13:15

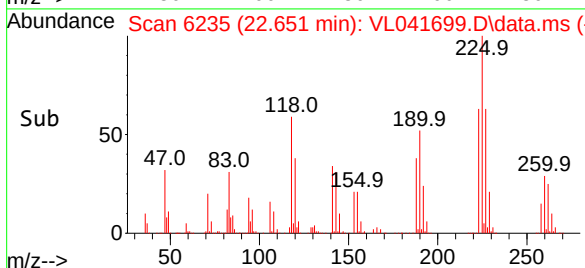
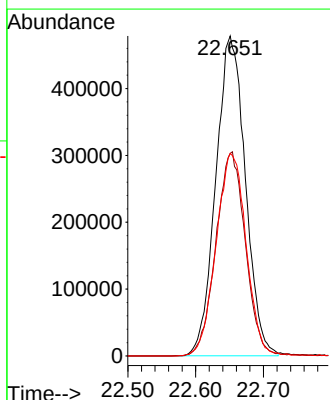
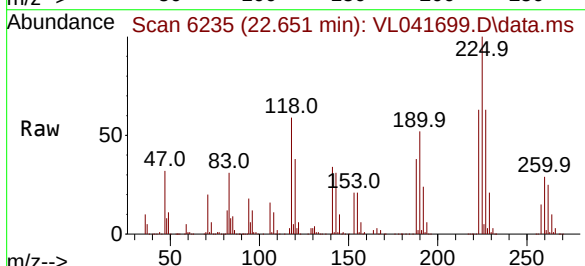
Tgt Ion:225 Resp: 1448199

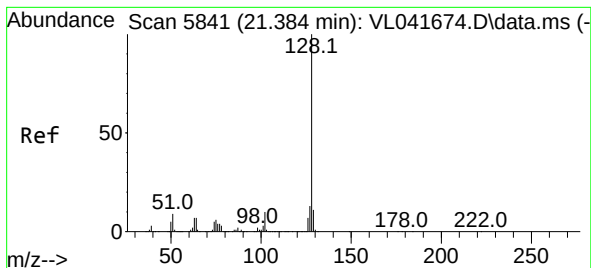
Ion Ratio Lower Upper

225 100

223 63.8 51.1 76.7

227 64.8 51.3 76.9





#79

Naphthalene

Concen: 11.320 ppbv

RT: 21.403 min Scan# 5847

Delta R.T. 0.019 min

Lab File: VL041699.D

Acq: 20 Nov 2024 13:15

Instrument :

MSVOA_1

ClientSampleId :

VL1120ABS01

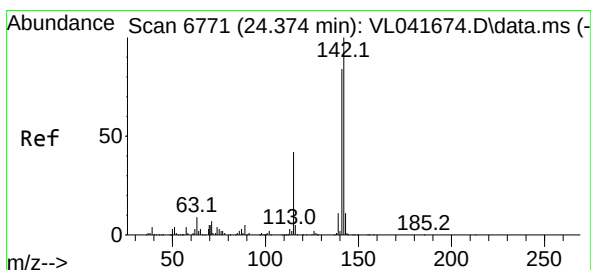
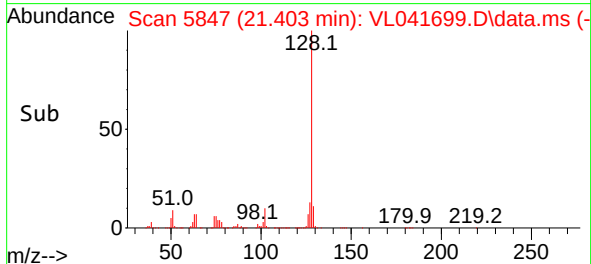
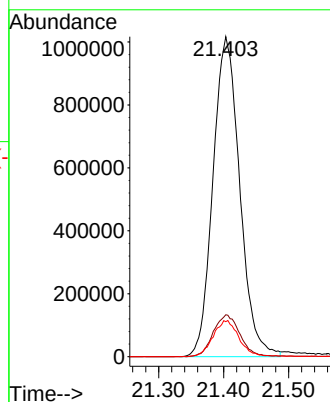
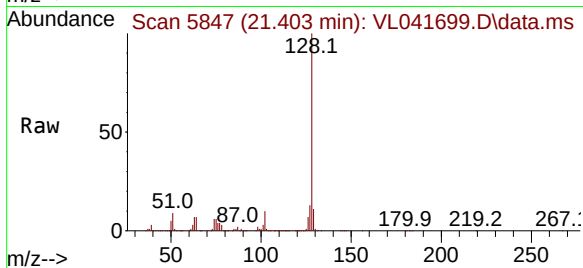
Tgt Ion:128 Resp: 2907132

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

129 10.9 8.7 13.1



#80

Naphthalene,2-methyl-

Concen: 9.185 ppbv

RT: 24.390 min Scan# 6776

Delta R.T. 0.016 min

Lab File: VL041699.D

Acq: 20 Nov 2024 13:15

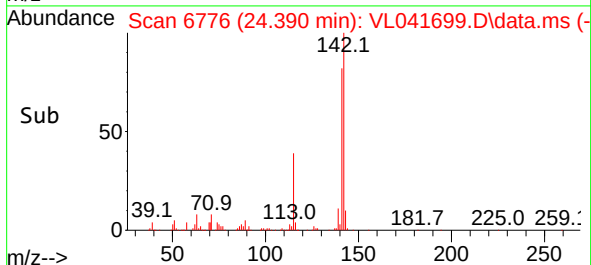
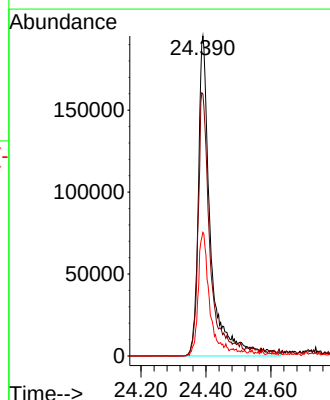
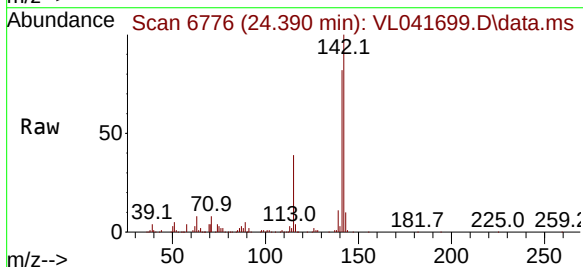
Tgt Ion:142 Resp: 514199

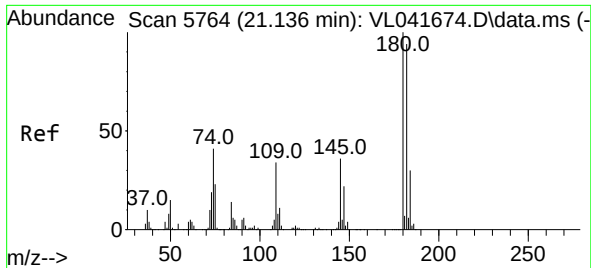
Ion Ratio Lower Upper

142 100

141 79.1 68.1 102.1

115 37.3 33.1 49.7



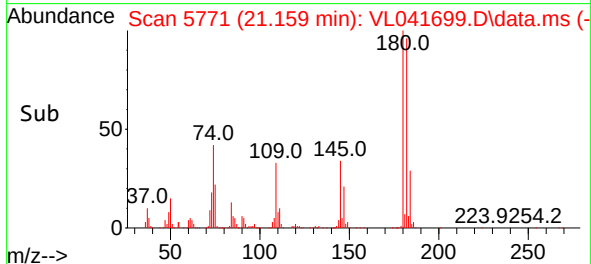
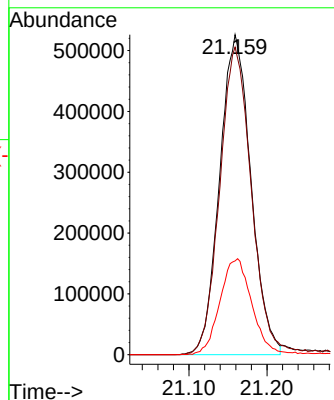
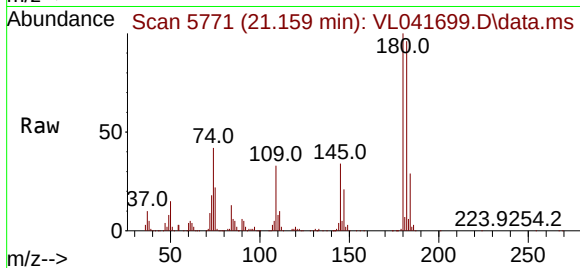


#81
 1,2,4-Trichlorobenzene
 Concen: 9.073 ppbv
 RT: 21.159 min Scan# 51
 Delta R.T. 0.023 min
 Lab File: VL041699.D
 Acq: 20 Nov 2024 13:15

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1120ABS01

Tgt Ion:180 Resp: 1465322

Ion	Ratio	Lower	Upper
180	100		
182	97.9	78.2	117.2
184	30.8	25.0	37.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112124\
 Data File : VL041711.D
 Acq On : 21 Nov 2024 8:50
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Nov 22 01:01:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Nov 22 01:00:55 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.221	49	1173714	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.684	114	3217567	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.497	117	3707892	10.000	ppbv	# 0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.806	95	2257188	8.262	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.600%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.758	85	1422464	6.705	ppbv	99
3) Chlorodifluoromethane	2.703	51	1408647	9.211	ppbv	99
4) Chloromethane	2.841	50	772568	9.537	ppbv	100
5) Vinyl Chloride	2.948	62	738827	10.139	ppbv	99
6) Bromomethane	3.147	94	378603	9.794	ppbv	97
7) Chloroethane	3.227	64	268516	10.097	ppbv	99
8) Dichlorotetrafluoroethane	2.883	85	1753531	9.260	ppbv	98
9) Propene	2.722	41	628191	9.427	ppbv	98
10) Heptane	7.610	43	1564942	10.481	ppbv	99
11) Trichlorofluoromethane	3.591	101	1745375	9.446	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.095	101	1298147	9.665	ppbv	99
13) Ethanol	3.275	45	19131	4.689	ppbv	# 47
14) Bromoethene	3.394	108	526015	9.742	ppbv	97
15) Acetone	3.497	43	1333944	9.235	ppbv	98
16) 1,3-Butadiene	3.012	39	739980	10.153	ppbv	100
17) tert-Butyl alcohol	3.906	59	1267990	10.003	ppbv	99
18) 1,1-Dichloroethene	3.909	96	571205	9.697	ppbv	94
19) Isopropyl Alcohol	3.603	45	682305	9.882	ppbv	99
20) Methylene Chloride	3.960	84	481797	9.064	ppbv	95
21) Allyl Chloride	4.025	41	904964	10.138	ppbv	99
22) trans-1,2-Dichloroethene	4.475	96	587155	10.025	ppbv	97
23) Vinyl Acetate	4.655	43	629204	9.881	ppbv	99
24) 1,1-Dichloroethane	4.594	63	1253068	9.585	ppbv	99
25) Ethyl Acetate	5.234	43	2952376	9.874	ppbv	100
26) Hexane	5.243	57	1169502	10.181	ppbv	98
27) Carbon Disulfide	4.153	76	1403031	10.871	ppbv	99
28) Methyl tert-Butyl Ether	4.616	73	715210	9.668	ppbv	100
29) Chloroform	5.308	83	1799780	9.492	ppbv	100
30) Cyclohexane	6.632	84	990103	10.122	ppbv	99
31) cis-1,2-Dichloroethene	5.108	61	1127435	10.202	ppbv	99
32) 1,1,1-Trichloroethane	6.034	97	1761688	10.184	ppbv	99
34) 2-Butanone	4.816	43	1449252	9.046	ppbv	99
35) Carbon Tetrachloride	6.526	117	1827244	10.764	ppbv	97
36) Benzene	6.401	78	2463354	10.333	ppbv	99
37) 1,2-Dichloroethane	5.838	62	1361156	10.120	ppbv	99
38) Trichloroethene	7.327	130	1001170	10.934	ppbv	99
39) 1,2-Dichloropropane	7.108	63	946394	10.045	ppbv	98
40) 1,4-Dioxane	7.317	88	369652	10.936	ppbv	# 1
41) Tetrahydrofuran	5.587	42	1011478	11.055	ppbv	100
42) Bromodichloromethane	7.282	83	1950791	10.438	ppbv	100
43) Methyl Methacrylate	7.507	69	960580	11.476	ppbv	99
44) 2,2,4-Trimethylpentane	7.356	57	4139526	10.251	ppbv	100
45) t-1,3-Dichloropropene	8.741	75	943007	12.329	ppbv	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112124\
 Data File : VL041711.D
 Acq On : 21 Nov 2024 8:50
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

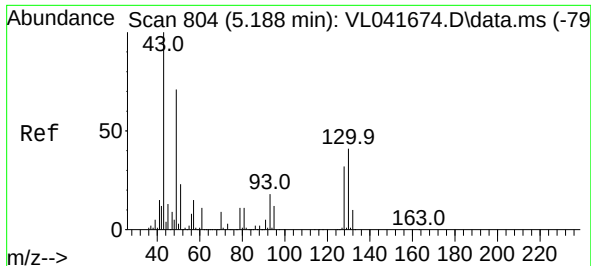
Quant Time: Nov 22 01:01:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Nov 22 01:00:55 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.172	75	1279587	11.647	ppbv	98
47) 1,1,2-Trichloroethane	8.931	97	1009245	9.898	ppbv	98
48) Dibromochloromethane	9.741	129	1661895	10.722	ppbv	100
49) Bromoform	12.439	173	1469304	11.079	ppbv	100
50) 4-Methyl-2-Pentanone	8.211	43	2653020	10.787	ppbv	100
51) 2-Hexanone	9.581	43	2052626	11.460	ppbv	99
52) Tetrachloroethene	10.648	164	903960	11.127	ppbv	99
53) Toluene	9.253	91	2837342	11.317	ppbv	100
54) 1,2-Dibromoethane	10.040	107	1367674	11.480	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.539	131	1253171	8.195	ppbv	98
57) Chlorobenzene	11.558	112	2202336	8.031	ppbv	98
58) Ethyl Benzene	12.121	91	3808048	9.368	ppbv	99
59) m/p-Xylene	12.404	91	3294190	9.049	ppbv #	33
60) o-Xylene	13.089	91	3108102	8.954	ppbv	99
61) Styrene	12.928	104	1498189	10.457	ppbv	100
62) Isopropylbenzene	14.060	105	4585032	8.553	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.079	83	2155854	8.443	ppbv	100
64) n-propylbenzene	14.944	120	1243110	8.858	ppbv	99
65) tert-Butylbenzene	16.117	119	4092301	8.493	ppbv	100
66) Benzyl Chloride	16.359	91	360391	9.723	ppbv	99
67) sec-Butylbenzene	16.667	105	5768247	8.494	ppbv	100
69) p-Isopropyltoluene	17.027	119	4812497	8.766	ppbv	100
70) n-Butylbenzene	17.918	91	4962014	8.833	ppbv	100
71) 2-Chlorotoluene	14.831	91	3484566	8.992	ppbv	99
72) 4-Ethyltoluene	15.224	105	3736233	9.258	ppbv	99
73) 1,3,5-Trimethylbenzene	15.381	105	3182515	8.987	ppbv	99
74) 1,2,4-Trimethylbenzene	16.140	105	3517746	8.552	ppbv	95
75) 1,3-Dichlorobenzene	16.362	146	2166163	8.503	ppbv	100
76) 1,4-Dichlorobenzene	16.506	146	2095111	8.524	ppbv	100
77) 1,2-Dichlorobenzene	17.175	146	2109445	8.358	ppbv	100
78) Hexachloro-1,3-Butadiene	22.664	225	741691	3.716	ppbv #	22
79) Naphthalene	21.419	128	2952462	11.628	ppbv	99
80) Naphthalene,2-methyl-	24.400	142	630748	11.396	ppbv	99
81) 1,2,4-Trichlorobenzene	21.175	180	1501117	9.401	ppbv	99

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

Quant Time: Nov 22 01:01:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Nov 22 01:00:55 2024
Response via : Initial Calibration

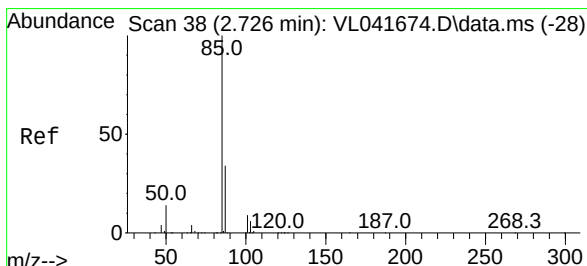
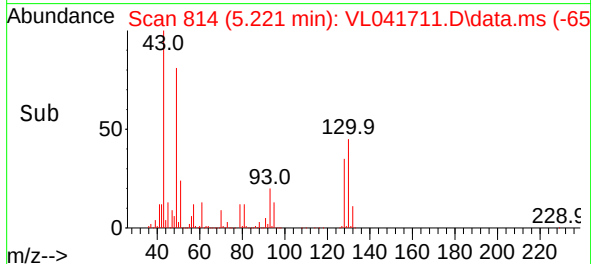
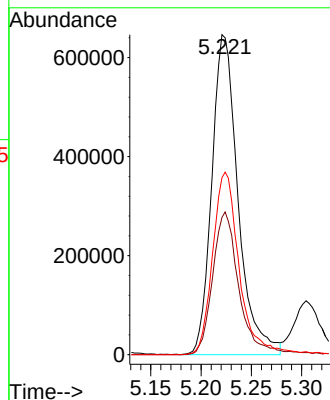
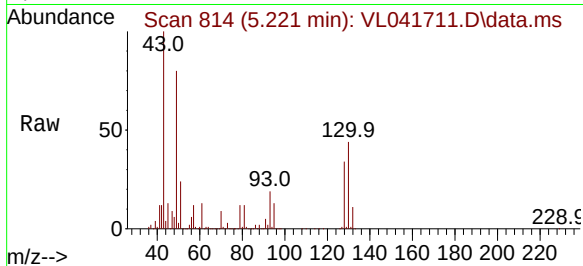




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.221 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

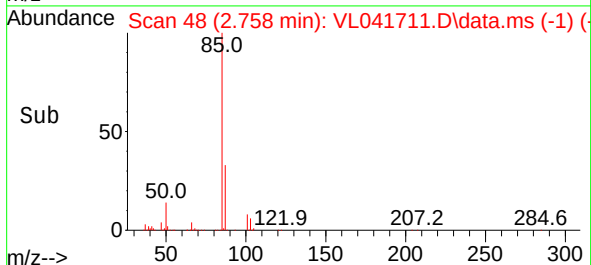
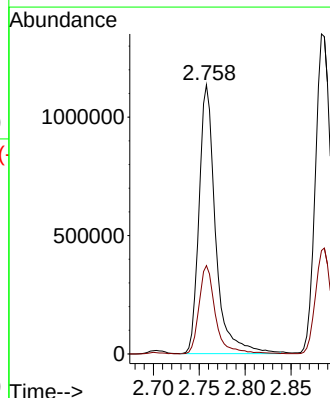
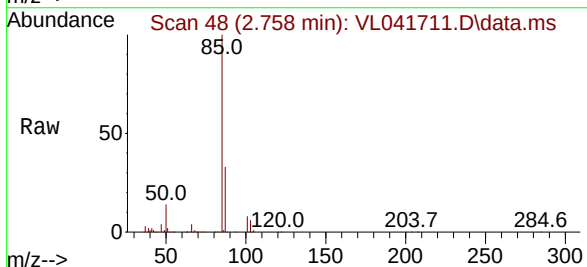
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

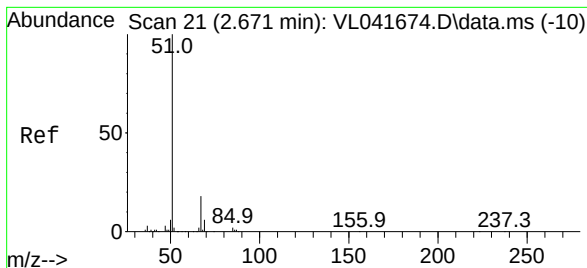
Tgt Ion: 49 Resp: 1173714
Ion Ratio Lower Upper
49 100
128 44.9 23.8 71.2
130 58.5 30.1 90.5



#2
Dichlorodifluoromethane
Concen: 6.705 ppbv
RT: 2.758 min Scan# 48
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

Tgt Ion: 85 Resp: 1422464
Ion Ratio Lower Upper
85 100
87 32.8 26.8 40.2

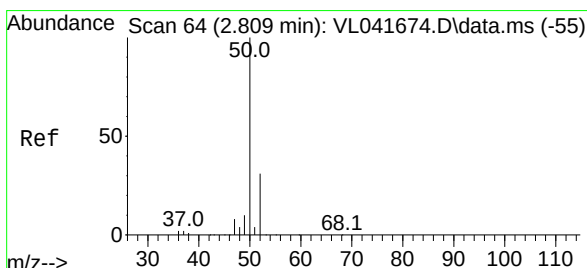
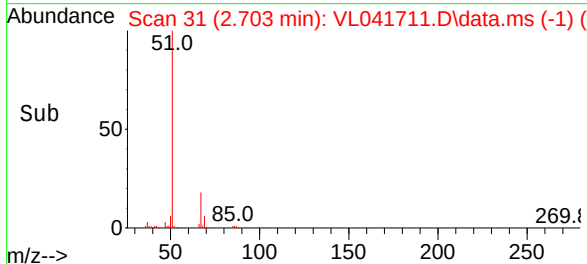
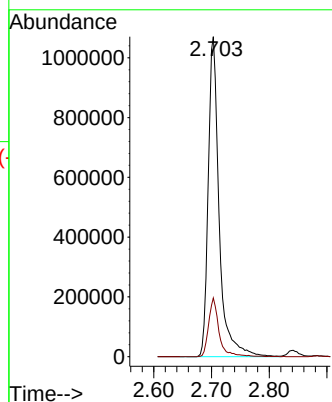
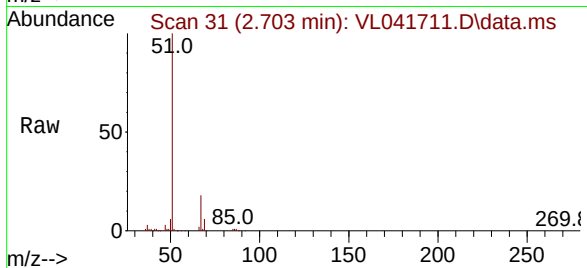




#3
Chlorodifluoromethane
Concen: 9.211 ppbv
RT: 2.703 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

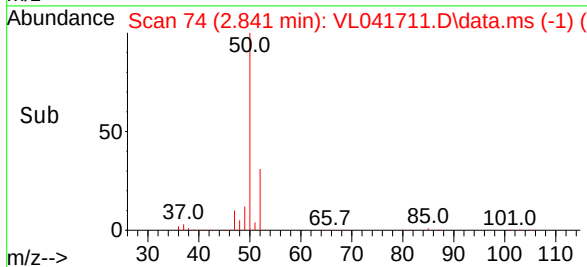
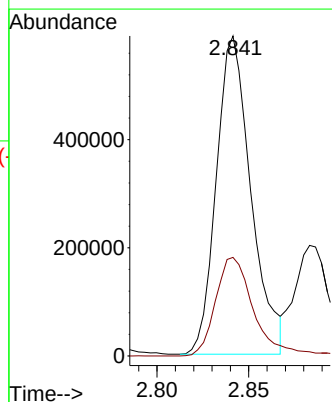
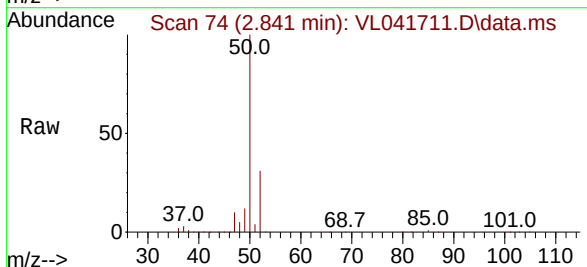
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

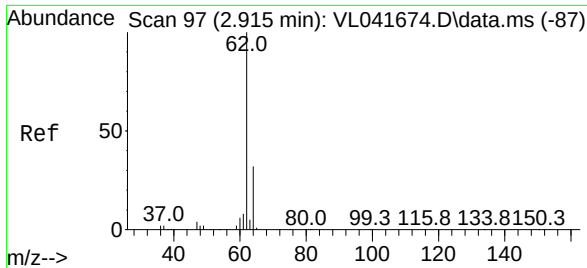
Tgt Ion: 51 Resp: 1408647
Ion Ratio Lower Upper
51 100
67 17.7 13.9 20.9



#4
Chloromethane
Concen: 9.537 ppbv
RT: 2.841 min Scan# 74
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

Tgt Ion: 50 Resp: 772568
Ion Ratio Lower Upper
50 100
52 31.0 24.9 37.3

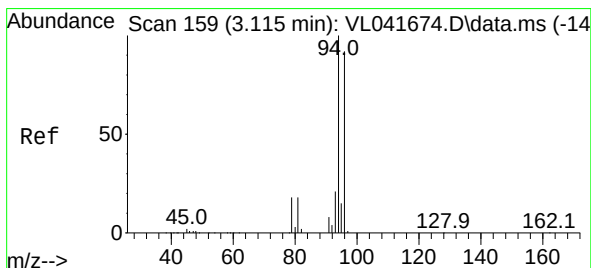
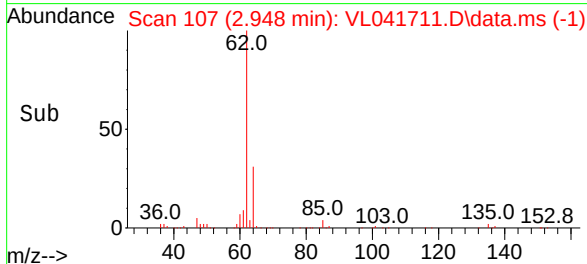
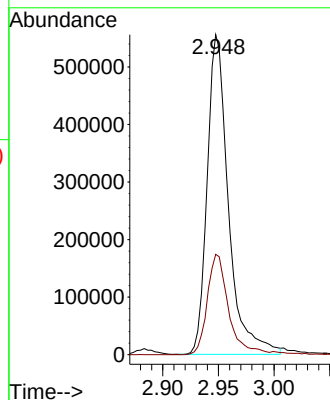
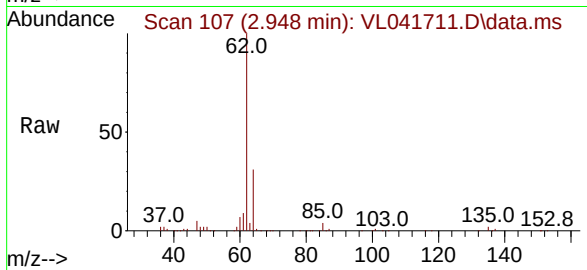




#5
 Vinyl Chloride
 Concen: 10.139 ppbv
 RT: 2.948 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VL041711.D
 Acq: 21 Nov 2024 8:50

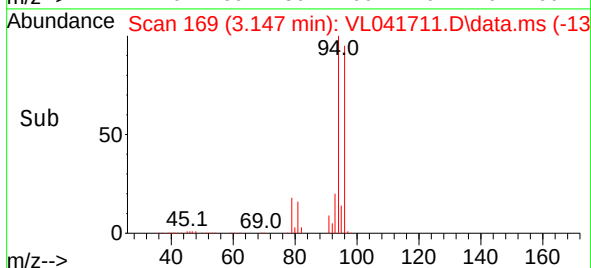
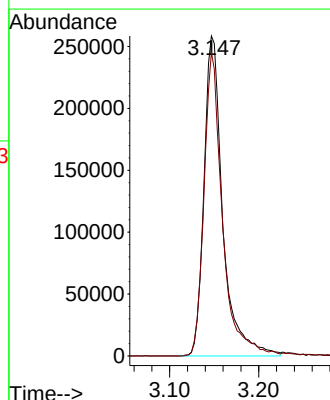
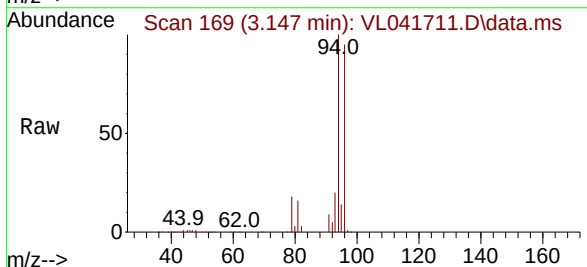
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

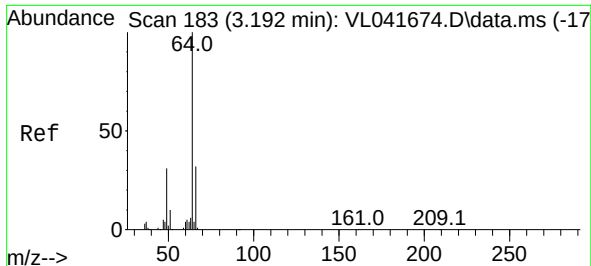
Tgt Ion: 62 Resp: 738827
 Ion Ratio Lower Upper
 62 100
 64 31.4 25.4 38.2



#6
 Bromomethane
 Concen: 9.794 ppbv
 RT: 3.147 min Scan# 169
 Delta R.T. 0.000 min
 Lab File: VL041711.D
 Acq: 21 Nov 2024 8:50

Tgt Ion: 94 Resp: 378603
 Ion Ratio Lower Upper
 94 100
 96 94.9 73.4 110.2

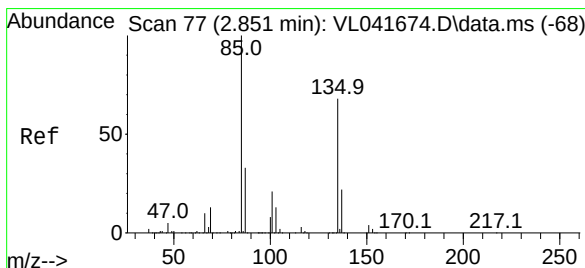
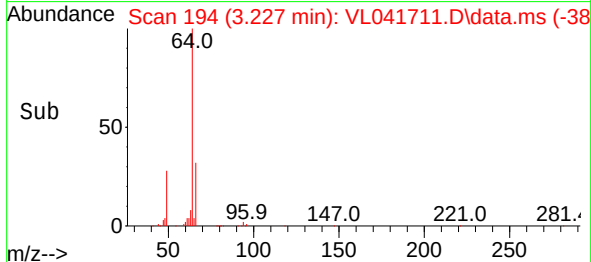
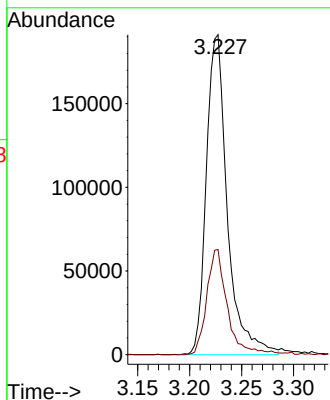
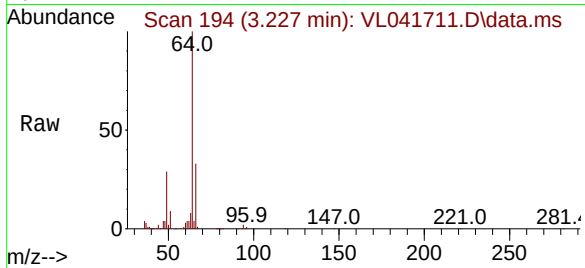




#7
Chloroethane
Concen: 10.097 ppbv
RT: 3.227 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

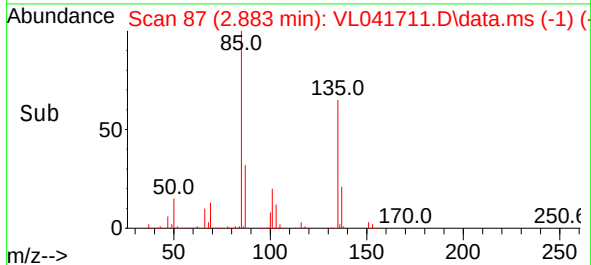
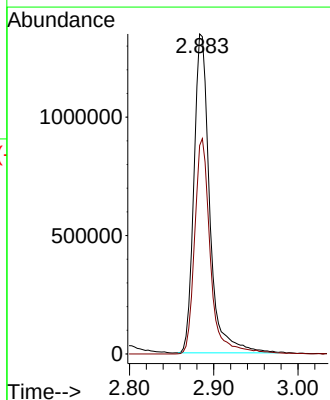
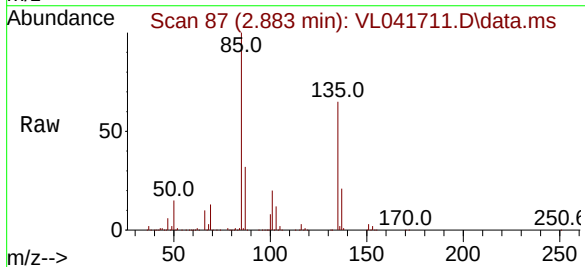
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

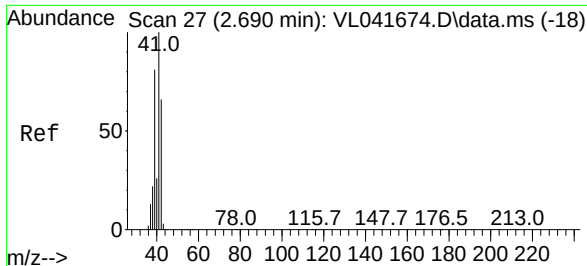
Tgt Ion: 64 Resp: 268516
Ion Ratio Lower Upper
64 100
66 32.9 25.9 38.9



#8
Dichlorotetrafluoroethane
Concen: 9.260 ppbv
RT: 2.883 min Scan# 87
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

Tgt Ion: 85 Resp: 1753531
Ion Ratio Lower Upper
85 100
135 68.0 55.5 83.3

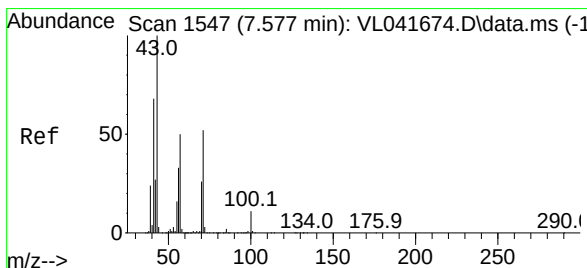
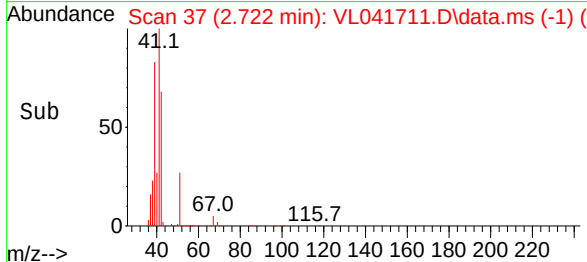
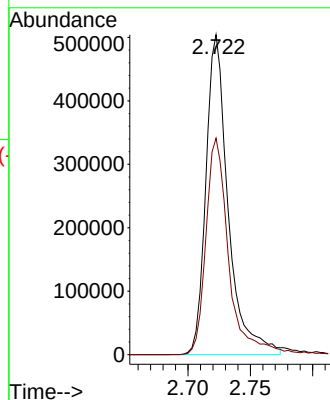
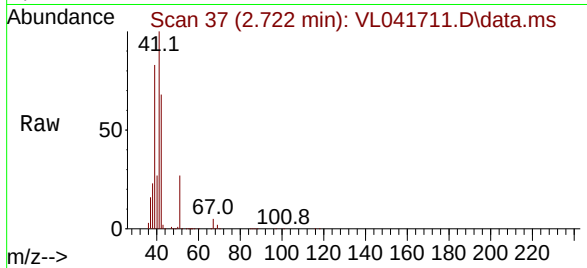




#9
Propene
Concen: 9.427 ppbv
RT: 2.722 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

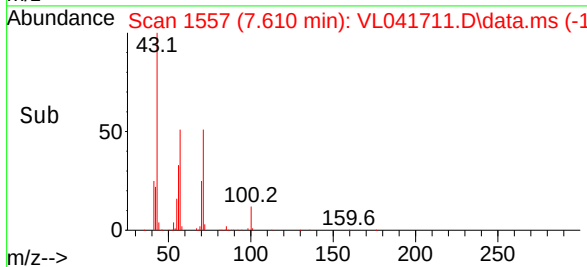
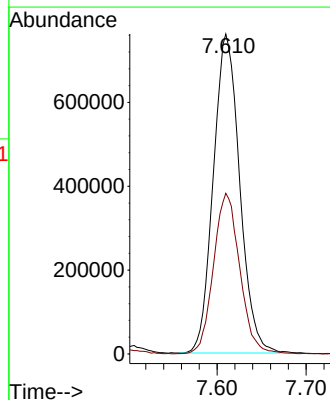
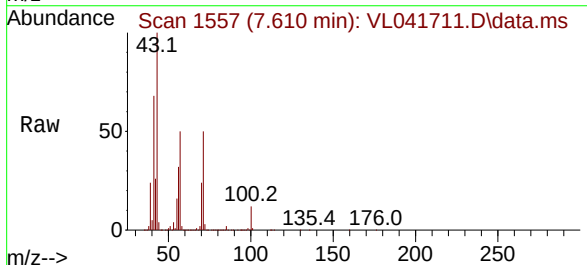
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

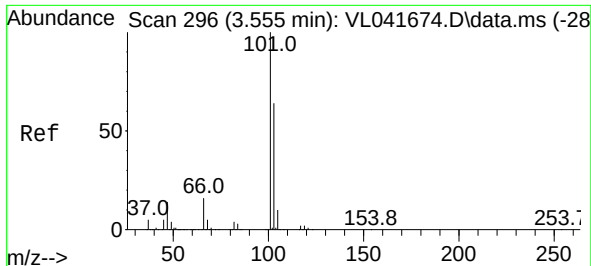
Tgt Ion: 41 Resp: 628191
Ion Ratio Lower Upper
41 100
42 70.1 55.0 82.4



#10
Heptane
Concen: 10.481 ppbv
RT: 7.610 min Scan# 1557
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

Tgt Ion: 43 Resp: 1564942
Ion Ratio Lower Upper
43 100
57 50.5 40.0 60.0





#11

Trichlorofluoromethane

Concen: 9.446 ppbv

RT: 3.591 min Scan# 307

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Instrument :

MSVOA_L

ClientSampleId :

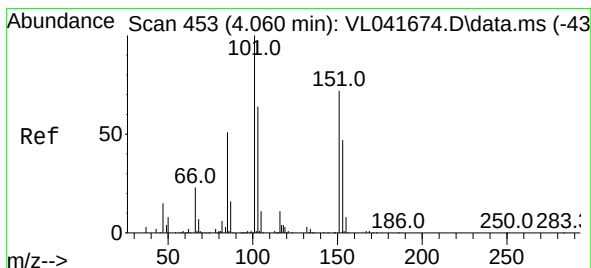
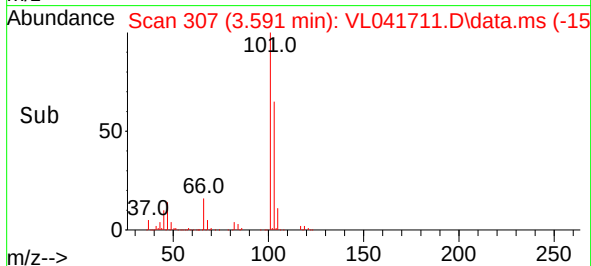
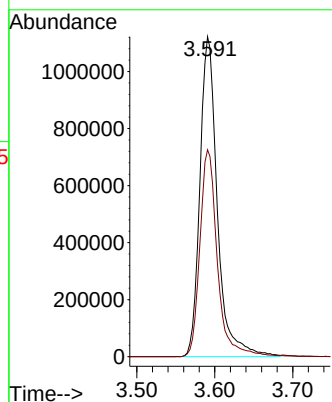
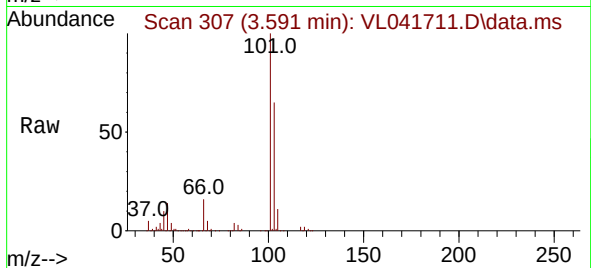
VSTDCCC010

Tgt Ion:101 Resp: 1745375

Ion Ratio Lower Upper

101 100

103 64.6 51.0 76.6



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.665 ppbv

RT: 4.095 min Scan# 464

Delta R.T. 0.000 min

Lab File: VL041711.D

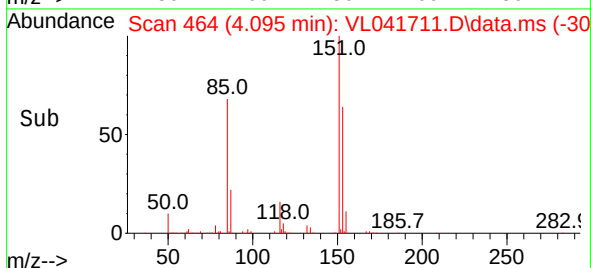
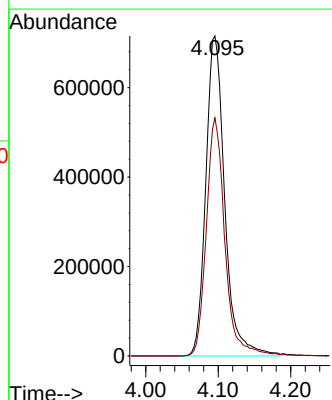
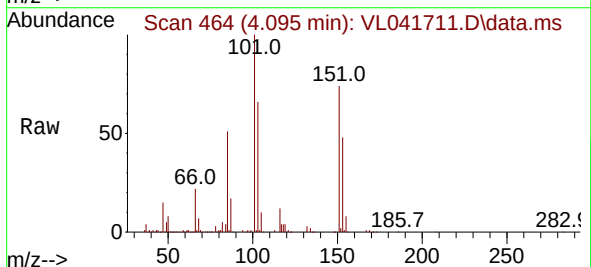
Acq: 21 Nov 2024 8:50

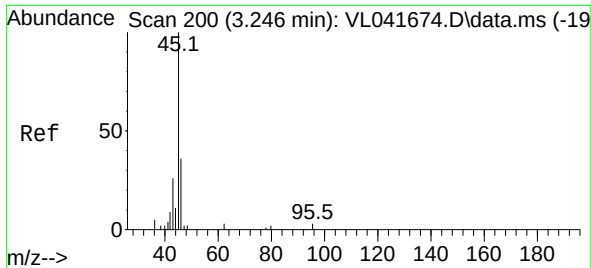
Tgt Ion:101 Resp: 1298147

Ion Ratio Lower Upper

101 100

151 73.1 59.1 88.7

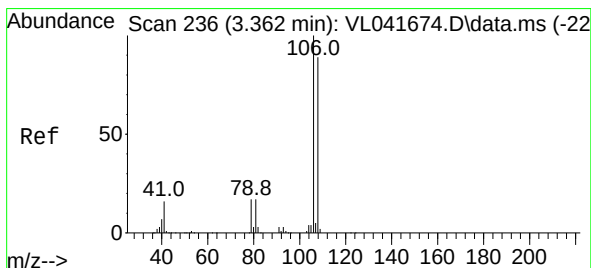
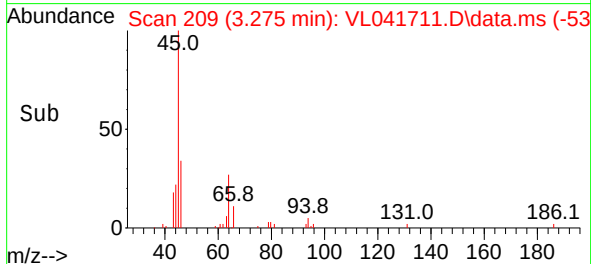
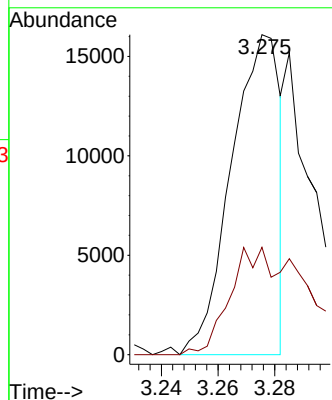
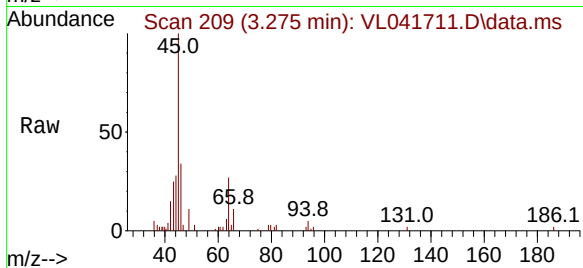




#13
Ethanol
Concen: 4.689 ppbv
RT: 3.275 min Scan# 209
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

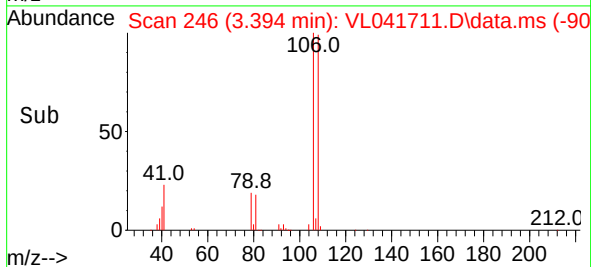
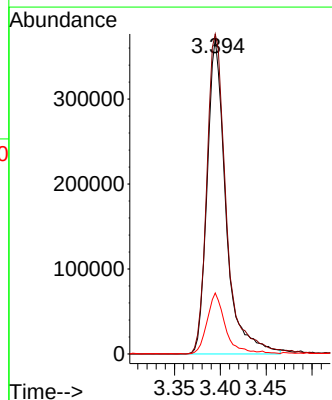
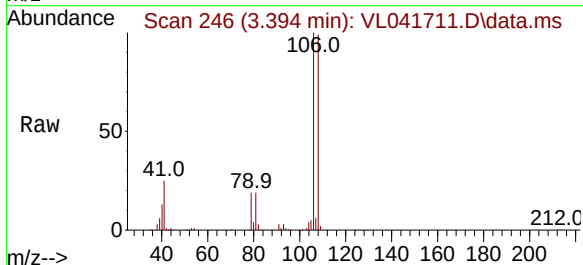
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

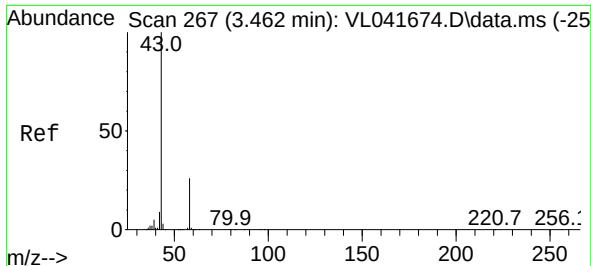
Tgt Ion: 45 Resp: 19131
Ion Ratio Lower Upper
45 100
46 65.3 13.8 55.2#



#14
Bromoethene
Concen: 9.742 ppbv
RT: 3.394 min Scan# 246
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

Tgt Ion:108 Resp: 526015
Ion Ratio Lower Upper
108 100
106 107.1 88.6 133.0
79 19.3 15.6 23.4

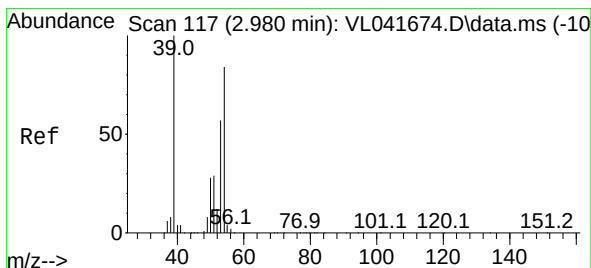
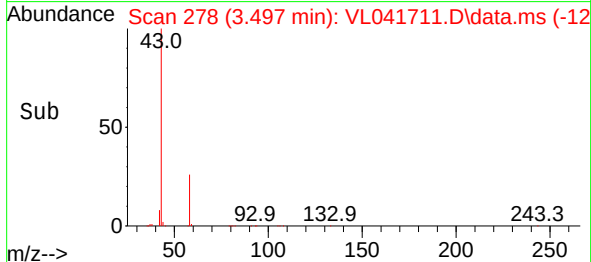
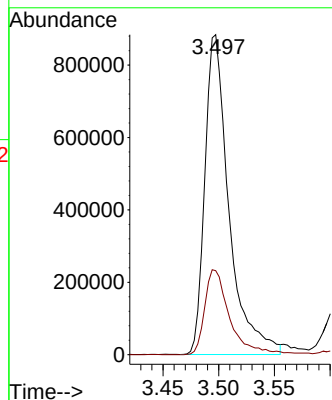
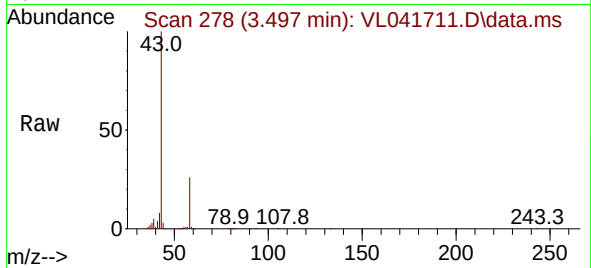




#15
Acetone
Concen: 9.235 ppbv
RT: 3.497 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

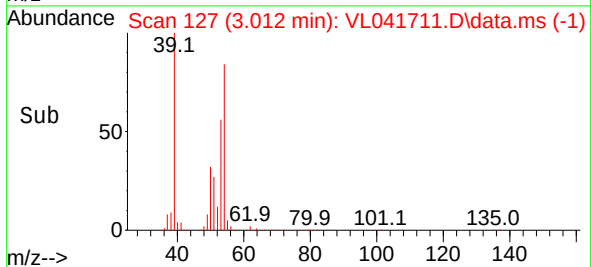
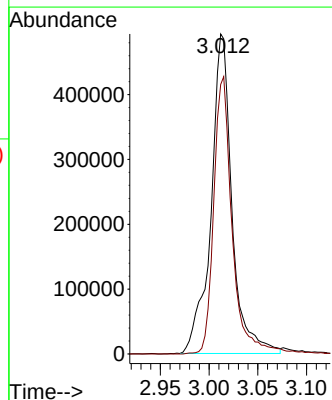
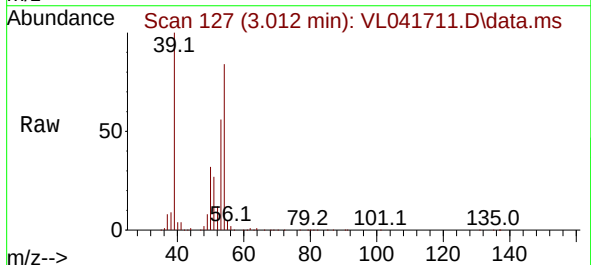
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

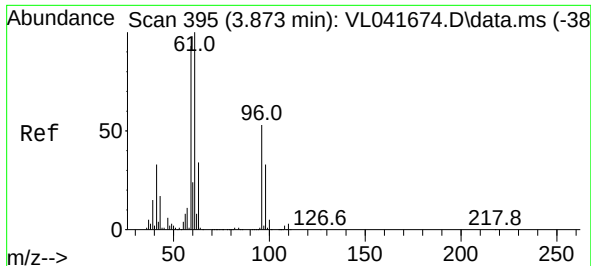
Tgt Ion: 43 Resp: 1333944
Ion Ratio Lower Upper
43 100
58 27.8 21.4 32.0



#16
1,3-Butadiene
Concen: 10.153 ppbv
RT: 3.012 min Scan# 127
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

Tgt Ion: 39 Resp: 739980
Ion Ratio Lower Upper
39 100
54 76.9 61.3 91.9





#17

tert-Butyl alcohol

Concen: 10.003 ppbv

RT: 3.906 min Scan# 405

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Instrument :

MSVOA_L

ClientSampleId :

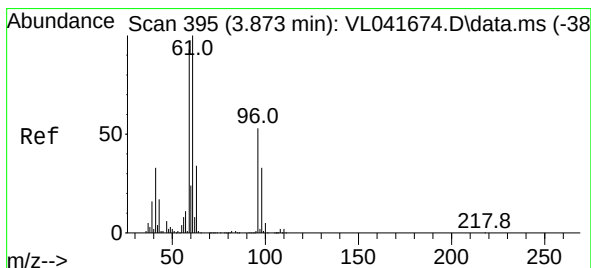
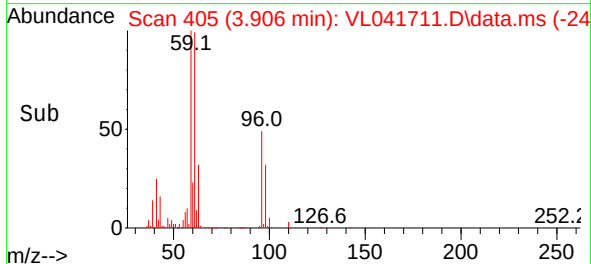
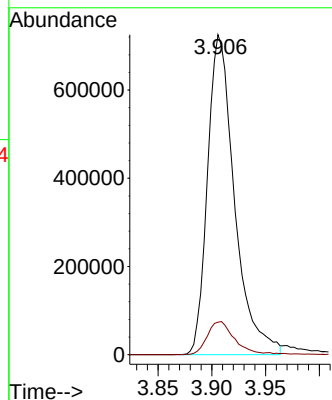
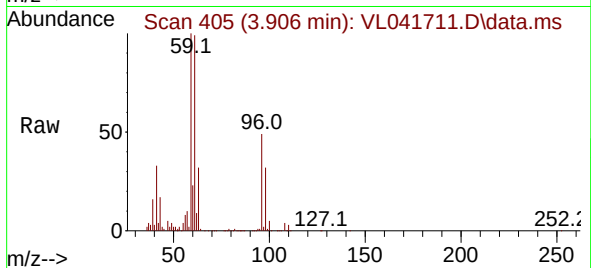
VSTDCCC010

Tgt Ion: 59 Resp: 1267990

Ion Ratio Lower Upper

59 100

57 10.8 8.5 12.7



#18

1,1-Dichloroethene

Concen: 9.697 ppbv

RT: 3.909 min Scan# 406

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

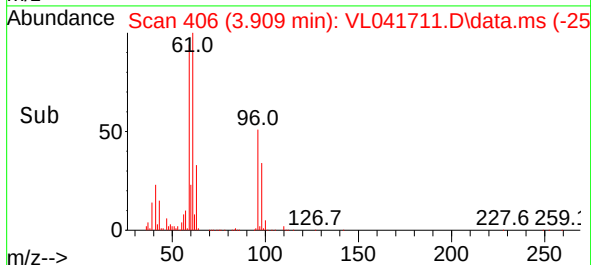
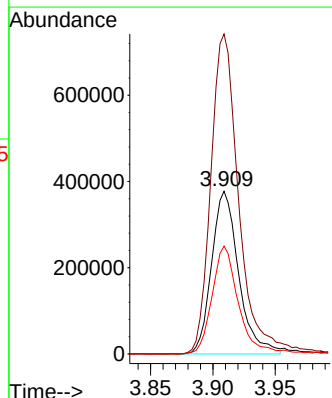
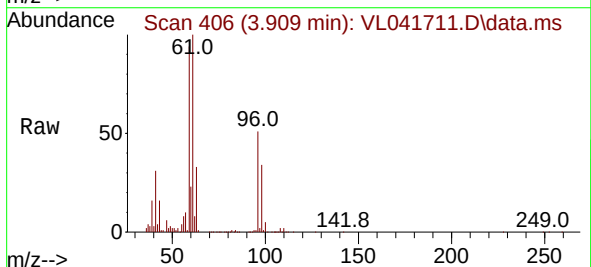
Tgt Ion: 96 Resp: 571205

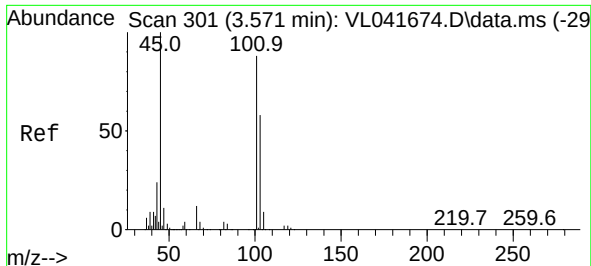
Ion Ratio Lower Upper

96 100

61 196.7 150.7 226.1

98 66.3 49.4 74.2





#19

Isopropyl Alcohol

Concen: 9.882 ppbv

RT: 3.603 min Scan# 311

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Instrument :

MSVOA_L

ClientSampleId :

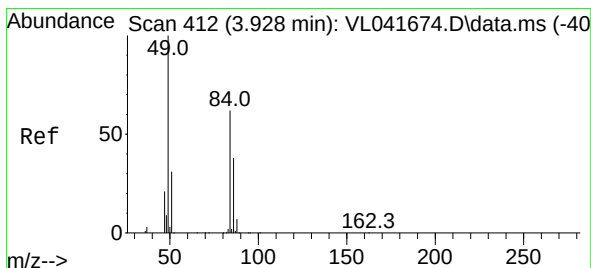
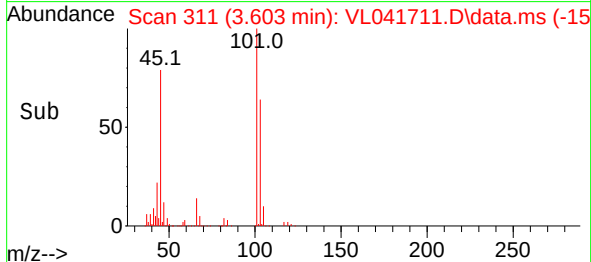
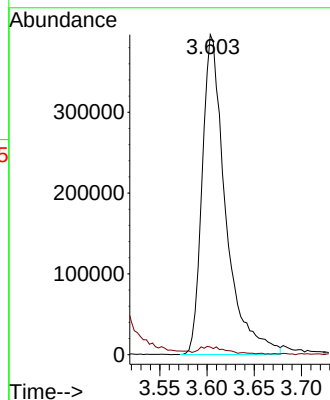
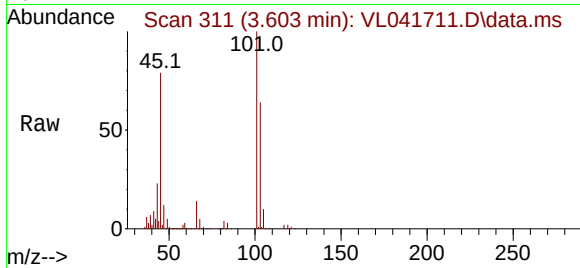
VSTDCCC010

Tgt Ion: 45 Resp: 682305

Ion Ratio Lower Upper

45 100

58 2.7 2.5 3.7



#20

Methylene Chloride

Concen: 9.064 ppbv

RT: 3.960 min Scan# 422

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Tgt Ion: 84 Resp: 481797

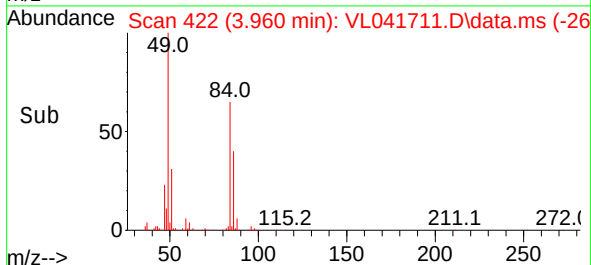
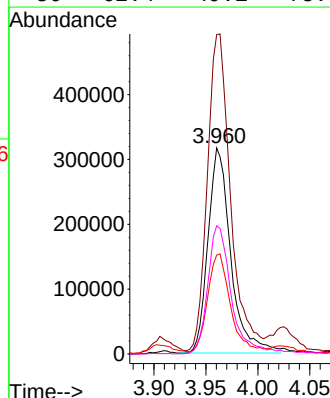
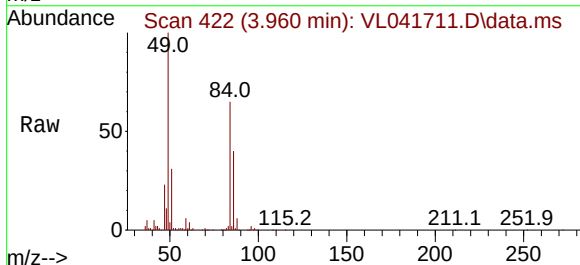
Ion Ratio Lower Upper

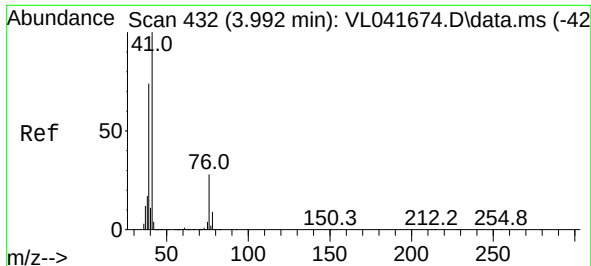
84 100

49 153.1 129.7 194.5

51 46.7 39.8 59.6

86 62.4 49.1 73.7

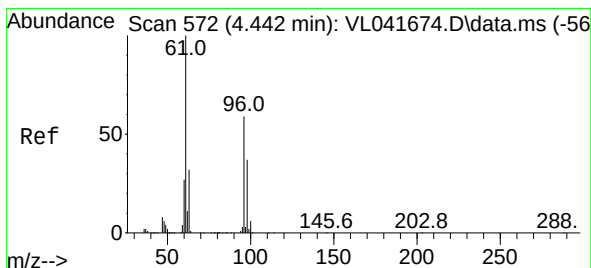
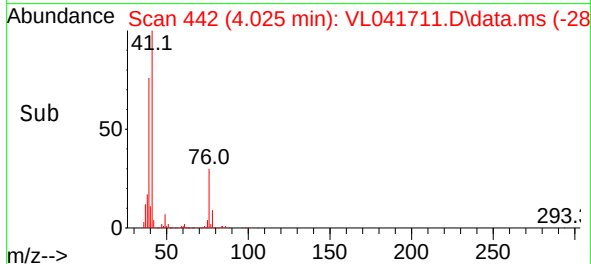
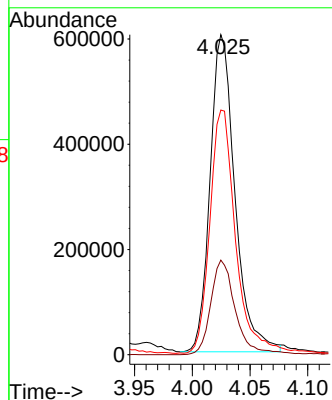
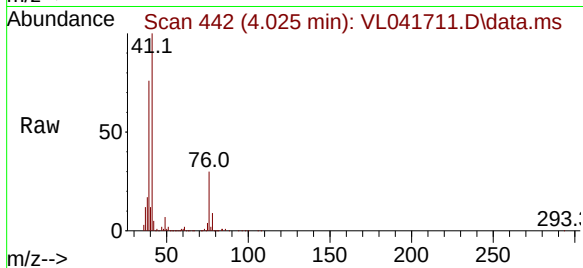




#21
Allyl Chloride
Concen: 10.138 ppbv
RT: 4.025 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

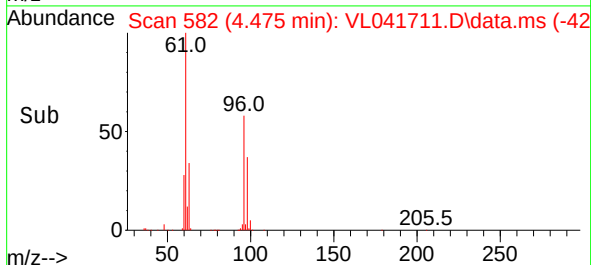
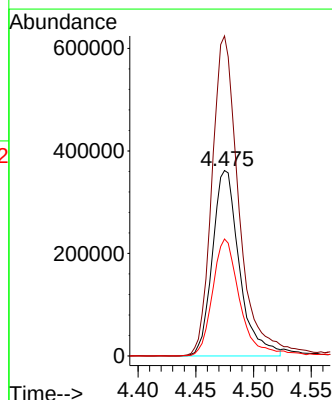
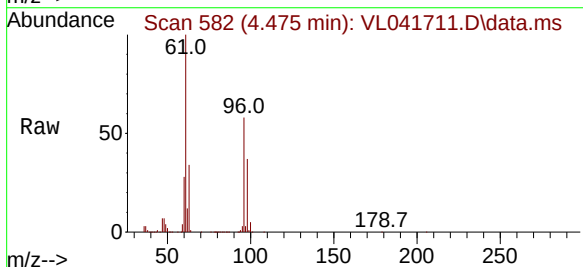
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

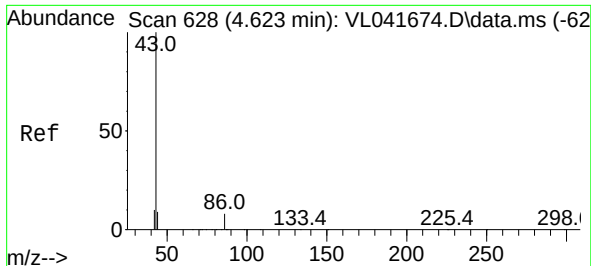
Tgt Ion: 41 Resp: 904964
Ion Ratio Lower Upper
41 100
76 29.8 23.5 35.3
39 80.0 63.0 94.4



#22
trans-1,2-Dichloroethene
Concen: 10.025 ppbv
RT: 4.475 min Scan# 582
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

Tgt Ion: 96 Resp: 587155
Ion Ratio Lower Upper
96 100
61 172.5 134.5 201.7
98 63.1 49.6 74.4



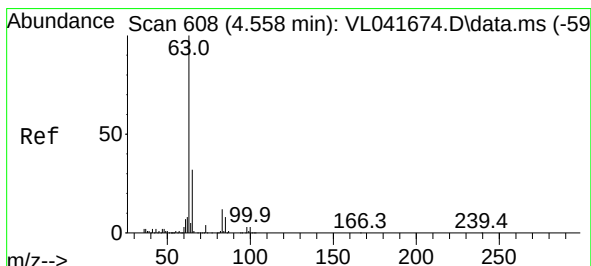
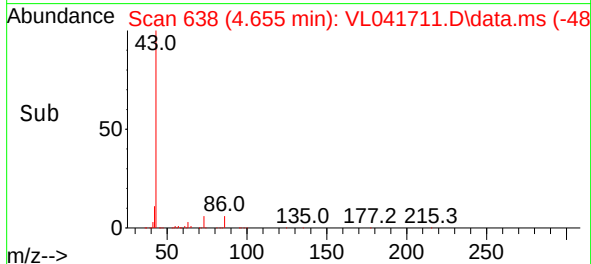
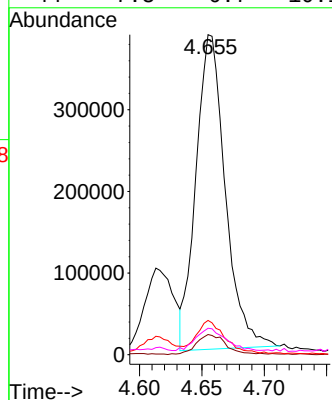
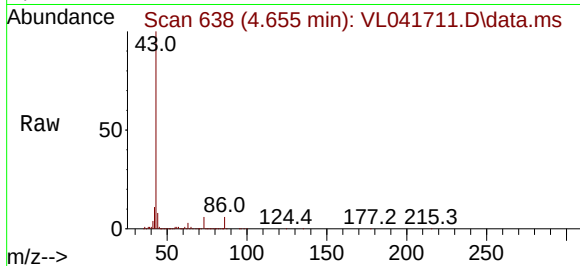


#23
 Vinyl Acetate
 Concen: 9.881 ppbv
 RT: 4.655 min Scan# 619
 Delta R.T. 0.000 min
 Lab File: VL041711.D
 Acq: 21 Nov 2024 8:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 43 Resp: 629204

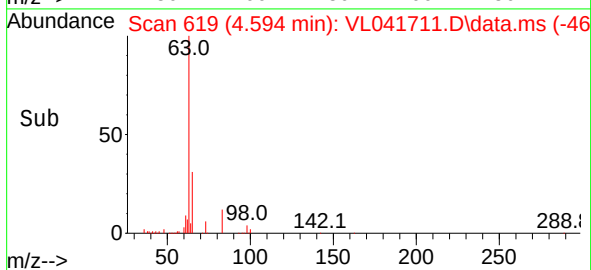
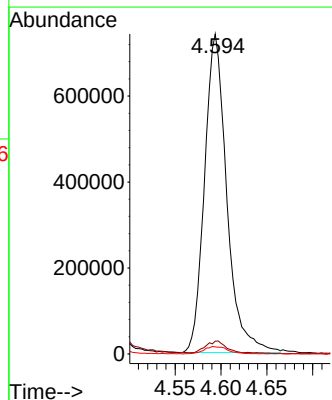
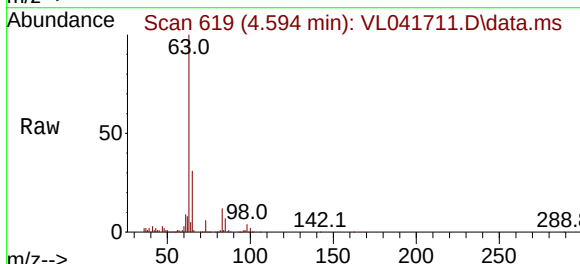
Ion	Ratio	Lower	Upper
43	100		
86	6.3	5.3	7.9
42	10.4	8.5	12.7
44	7.3	6.7	10.1

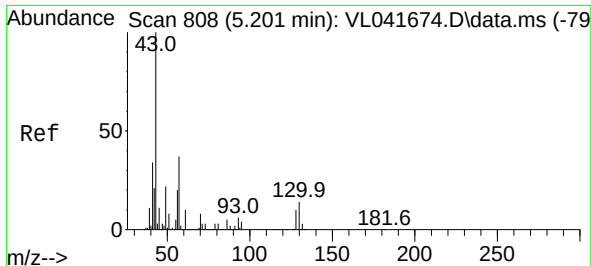


#24
 1,1-Dichloroethane
 Concen: 9.585 ppbv
 RT: 4.594 min Scan# 619
 Delta R.T. 0.000 min
 Lab File: VL041711.D
 Acq: 21 Nov 2024 8:50

Tgt Ion: 63 Resp: 1253068

Ion	Ratio	Lower	Upper
63	100		
98	3.8	1.8	5.4
100	2.1	1.4	4.2





#25

Ethyl Acetate

Concen: 9.874 ppbv

RT: 5.234 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 2952376

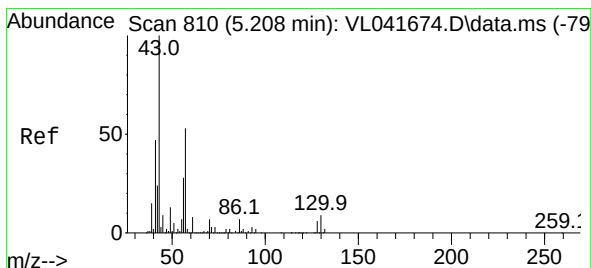
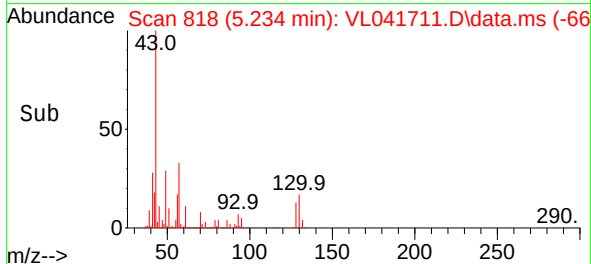
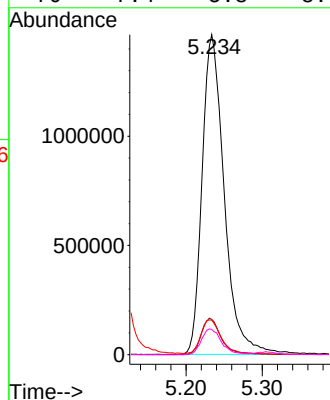
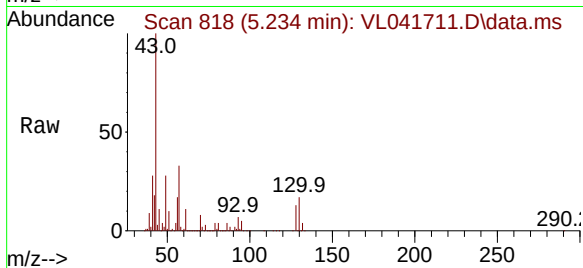
Ion Ratio Lower Upper

43 100

45 10.6 8.6 13.0

61 10.5 8.4 12.6

70 7.4 5.8 8.6



#26

Hexane

Concen: 10.181 ppbv

RT: 5.243 min Scan# 821

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Tgt Ion: 57 Resp: 1169502

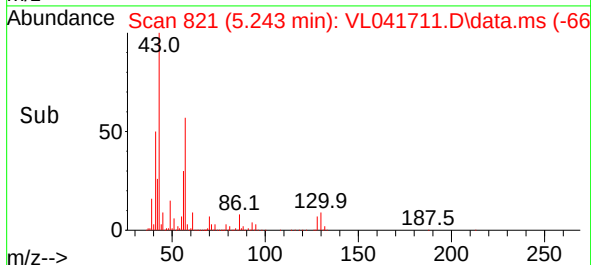
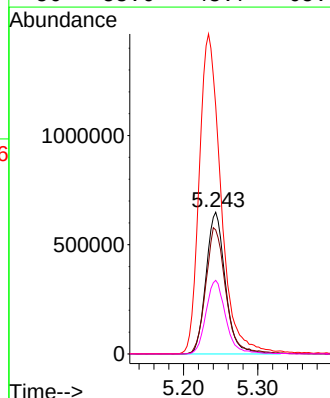
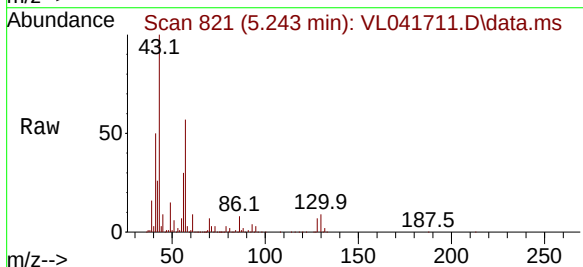
Ion Ratio Lower Upper

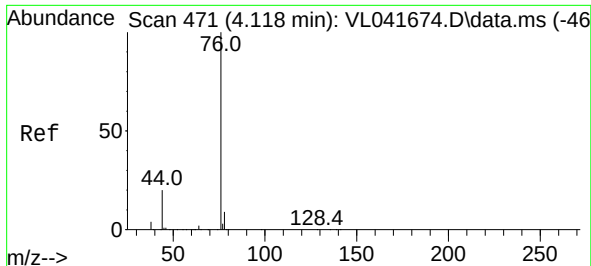
57 100

41 93.0 76.1 114.1

43 255.2 207.0 310.6

56 53.6 43.7 65.5

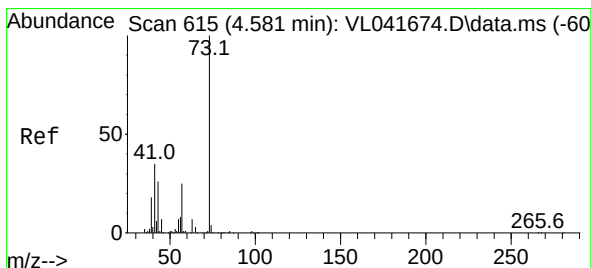
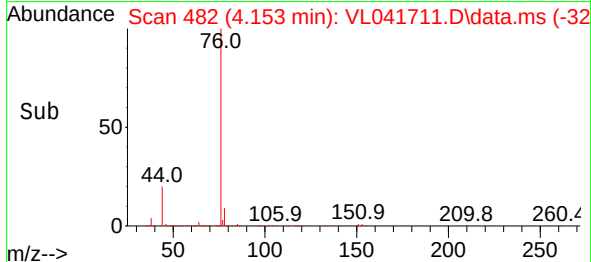
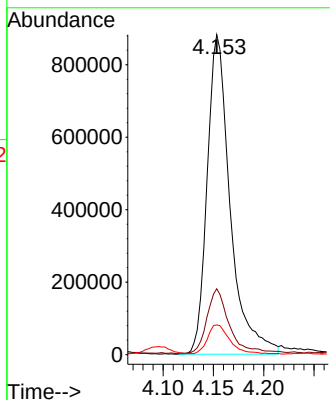
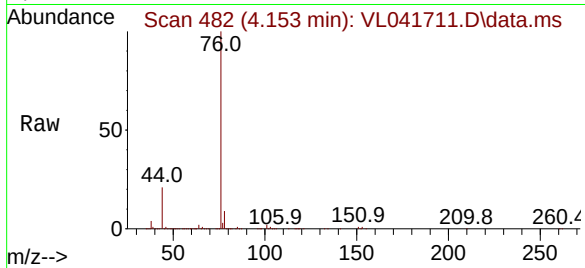




#27
Carbon Disulfide
Concen: 10.871 ppbv
RT: 4.153 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

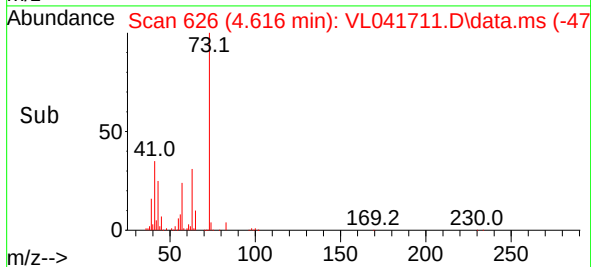
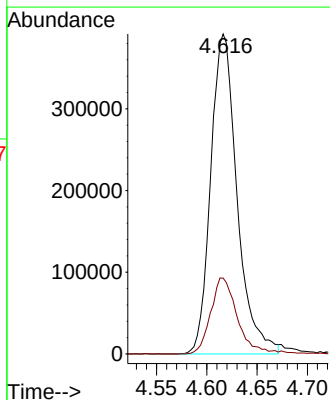
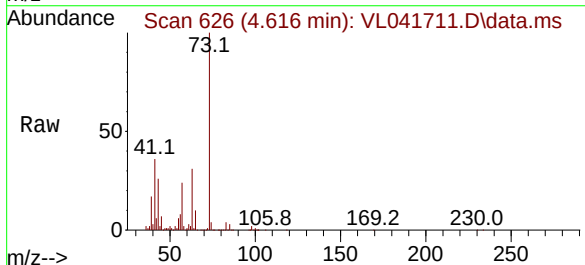
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

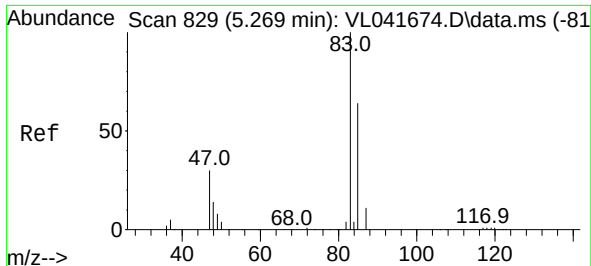
Tgt Ion: 76 Resp: 1403031
Ion Ratio Lower Upper
76 100
44 20.6 15.8 23.8
78 9.6 7.5 11.3



#28
Methyl tert-Butyl Ether
Concen: 9.668 ppbv
RT: 4.616 min Scan# 626
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

Tgt Ion: 73 Resp: 715210
Ion Ratio Lower Upper
73 100
57 24.4 19.6 29.4





#29

Chloroform

Concen: 9.492 ppbv

RT: 5.308 min Scan# 84

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Instrument :

MSVOA_L

ClientSampleId :

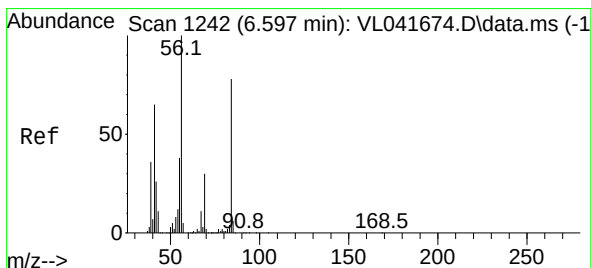
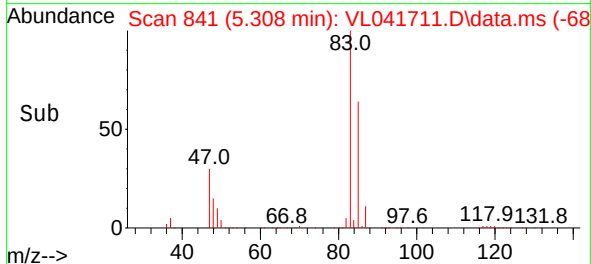
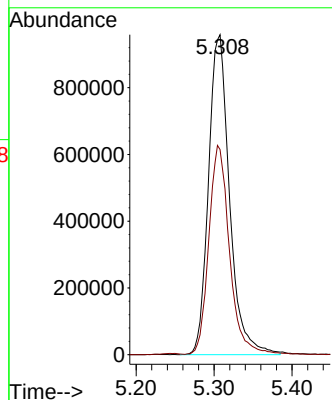
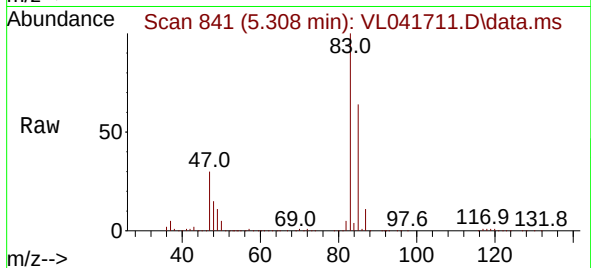
VSTDCCC010

Tgt Ion: 83 Resp: 1799780

Ion Ratio Lower Upper

83 100

85 63.9 51.1 76.7



#30

Cyclohexane

Concen: 10.122 ppbv

RT: 6.632 min Scan# 1253

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

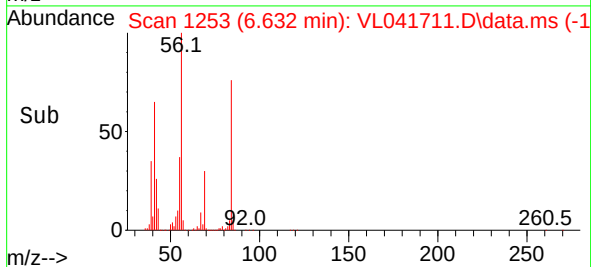
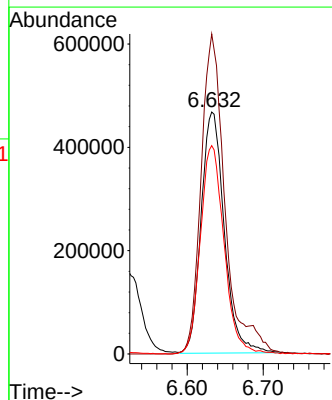
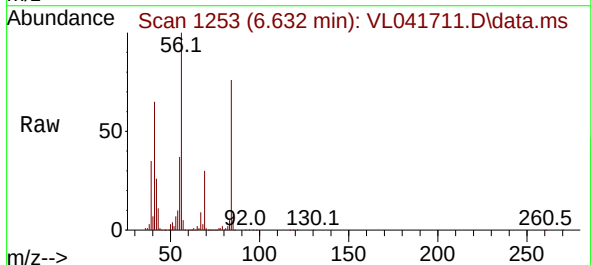
Tgt Ion: 84 Resp: 990103

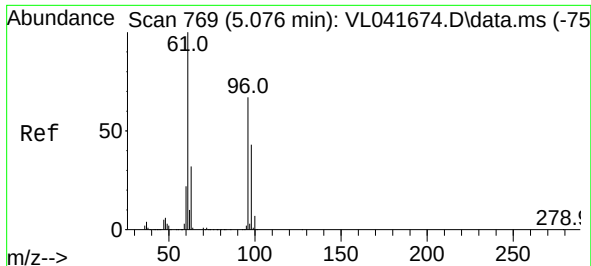
Ion Ratio Lower Upper

84 100

56 137.5 110.8 166.2

41 88.2 70.0 105.0

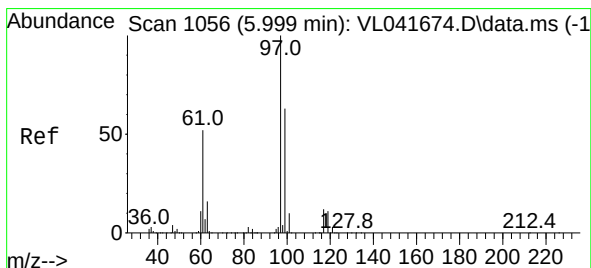
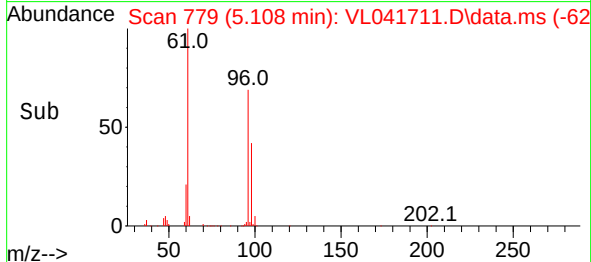
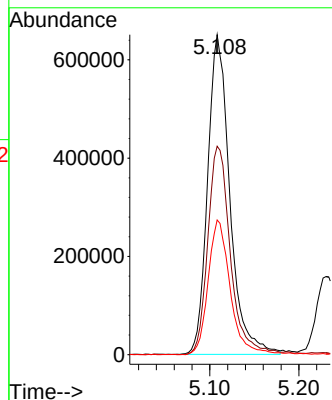
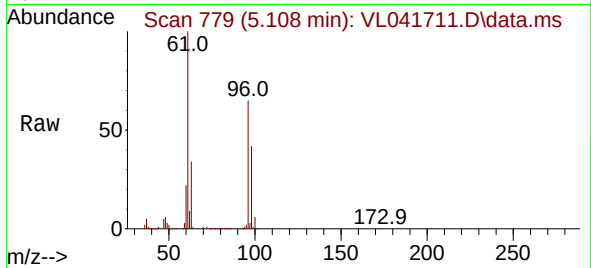




#31
 cis-1,2-Dichloroethene
 Concen: 10.202 ppbv
 RT: 5.108 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VL041711.D
 Acq: 21 Nov 2024 8:50

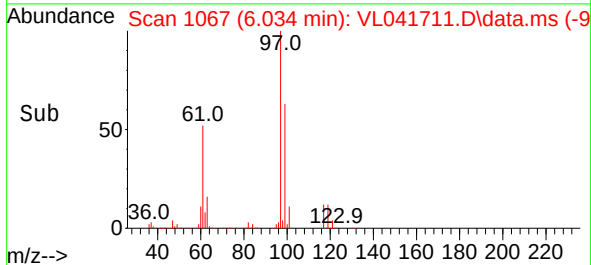
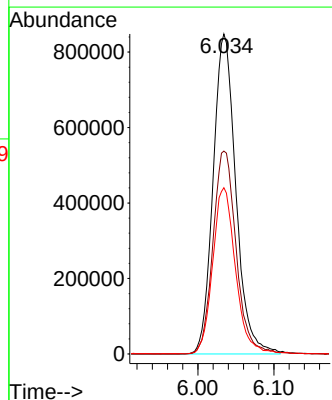
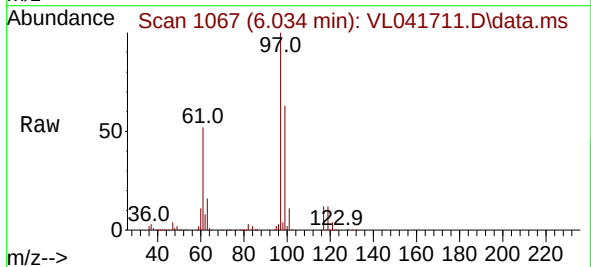
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

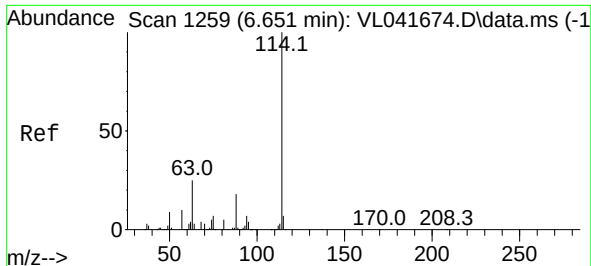
Tgt Ion: 61 Resp: 1127435
 Ion Ratio Lower Upper
 61 100
 96 65.2 53.4 80.2
 98 42.2 34.0 51.0



#32
 1,1,1-Trichloroethane
 Concen: 10.184 ppbv
 RT: 6.034 min Scan# 1067
 Delta R.T. 0.000 min
 Lab File: VL041711.D
 Acq: 21 Nov 2024 8:50

Tgt Ion: 97 Resp: 1761688
 Ion Ratio Lower Upper
 97 100
 99 64.9 51.4 77.2
 61 52.5 41.7 62.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.684 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

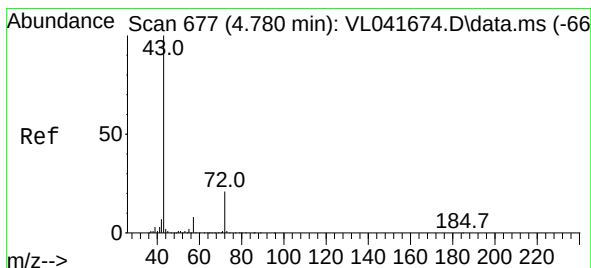
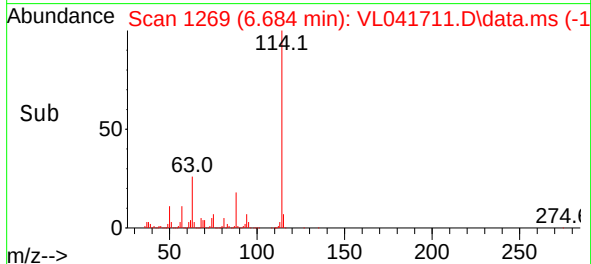
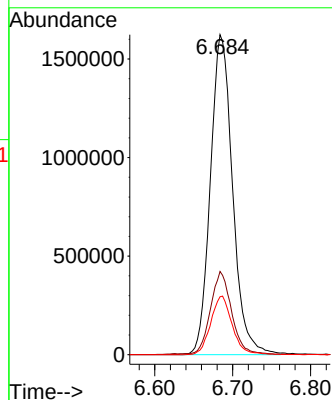
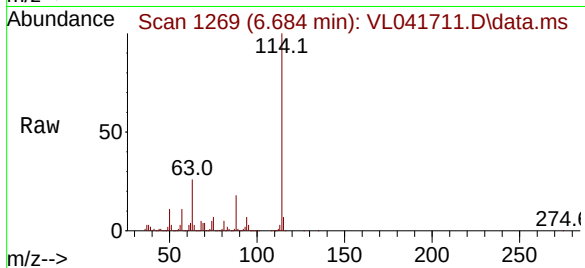
Tgt Ion:114 Resp: 3217567

Ion Ratio Lower Upper

114 100

63 25.0 20.3 30.5

88 17.8 14.2 21.4



#34

2-Butanone

Concen: 9.046 ppbv

RT: 4.816 min Scan# 688

Delta R.T. 0.000 min

Lab File: VL041711.D

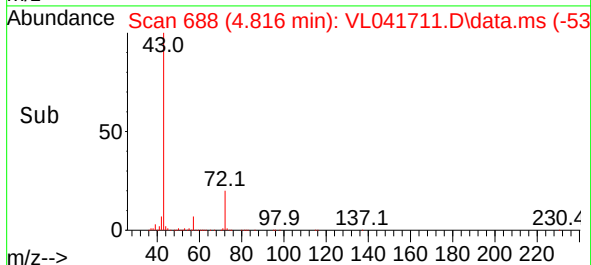
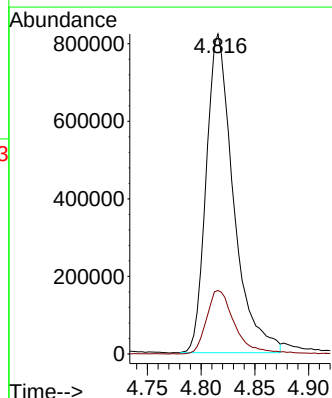
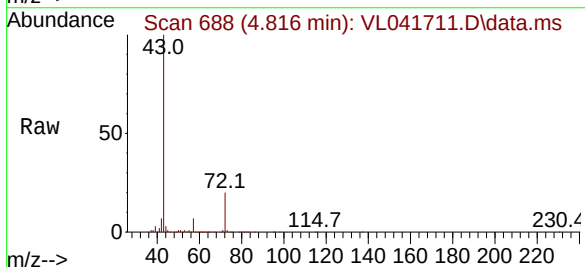
Acq: 21 Nov 2024 8:50

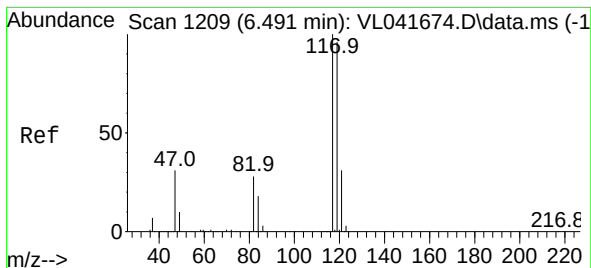
Tgt Ion: 43 Resp: 1449252

Ion Ratio Lower Upper

43 100

72 21.1 17.4 26.0





#35

Carbon Tetrachloride

Concen: 10.764 ppbv

RT: 6.526 min Scan# 1181

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

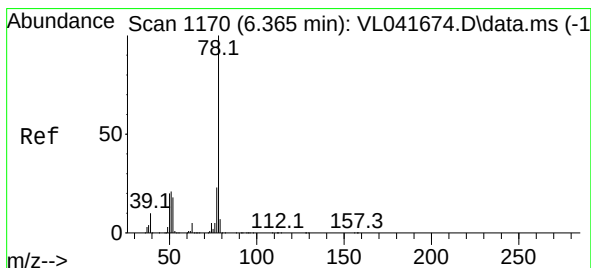
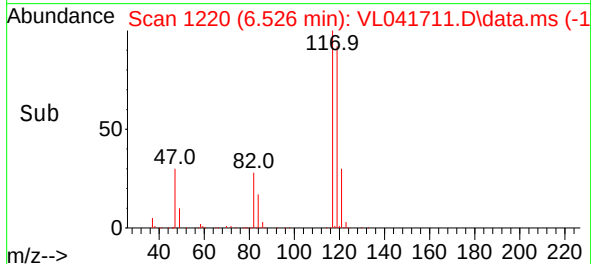
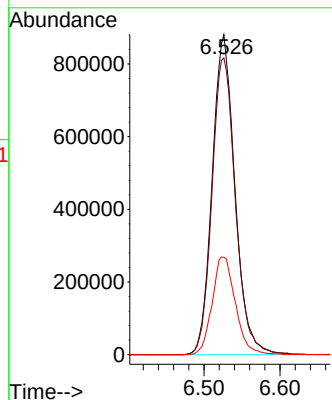
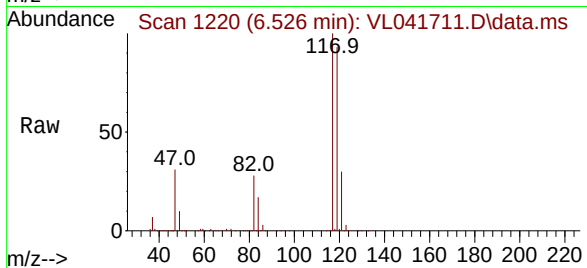
Tgt Ion:117 Resp: 1827244

Ion Ratio Lower Upper

117 100

119 92.8 77.2 115.8

121 30.5 25.0 37.4



#36

Benzene

Concen: 10.333 ppbv

RT: 6.401 min Scan# 1181

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

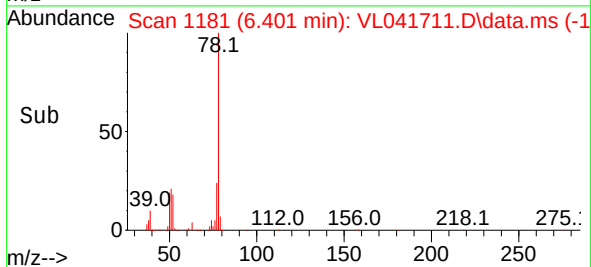
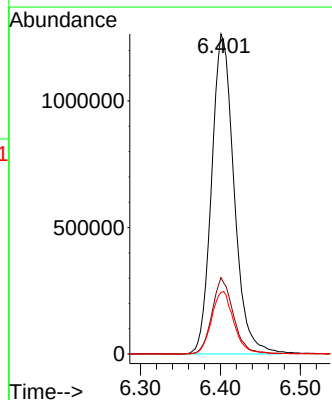
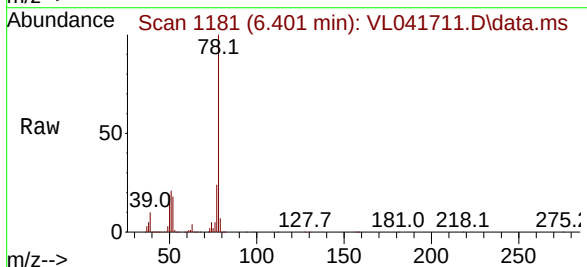
Tgt Ion: 78 Resp: 2463354

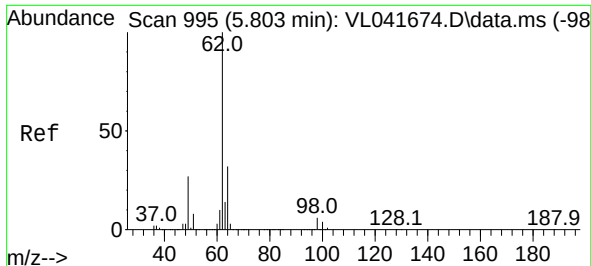
Ion Ratio Lower Upper

78 100

77 23.8 18.5 27.7

50 19.2 15.6 23.4





#37

1,2-Dichloroethane

Concen: 10.120 ppbv

RT: 5.838 min Scan# 1

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Instrument :

MSVOA_L

ClientSampleId :

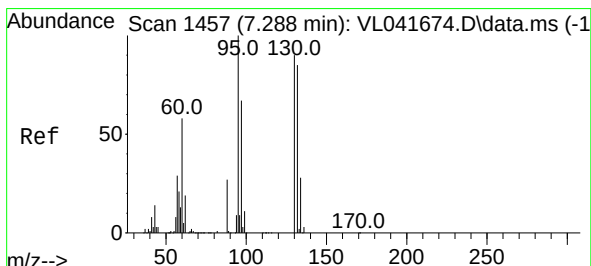
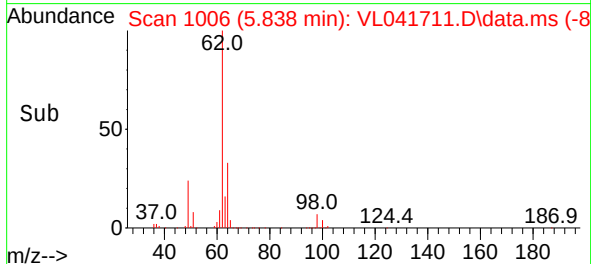
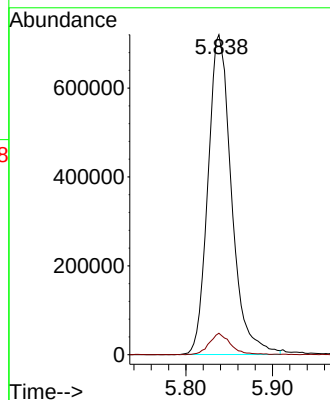
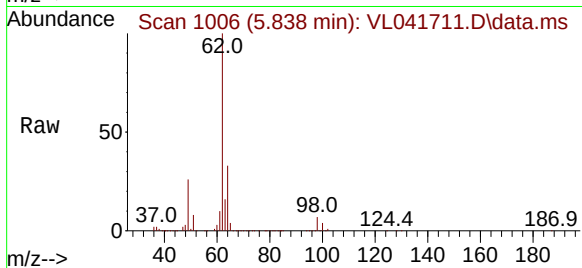
VSTDCCC010

Tgt Ion: 62 Resp: 1361156

Ion Ratio Lower Upper

62 100

98 6.3 5.2 7.8



#38

Trichloroethene

Concen: 10.934 ppbv

RT: 7.327 min Scan# 1469

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Tgt Ion:130 Resp: 1001170

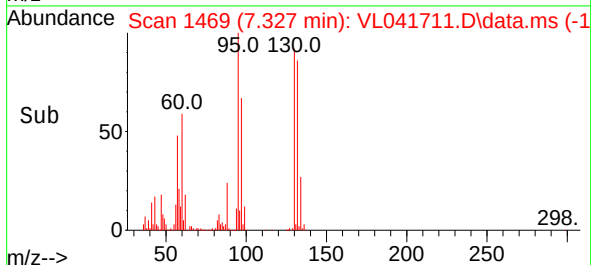
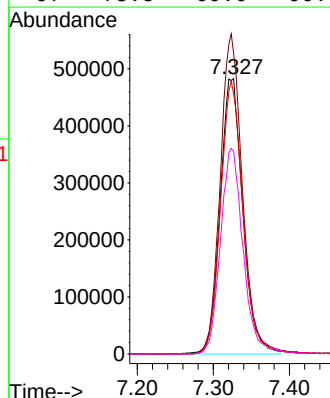
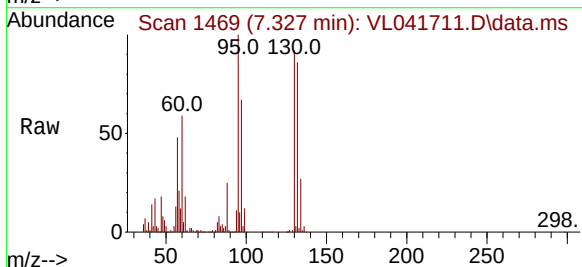
Ion Ratio Lower Upper

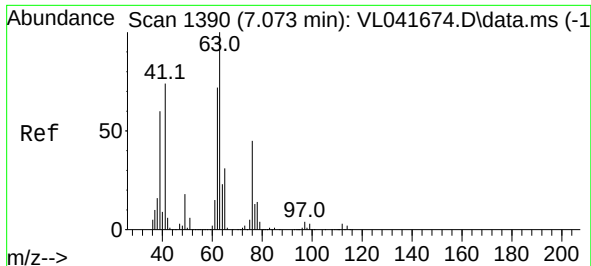
130 100

95 109.2 89.1 133.7

132 94.2 75.7 113.5

97 73.5 60.0 90.0





#39

1,2-Dichloropropane

Concen: 10.045 ppbv

RT: 7.108 min Scan# 1401

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

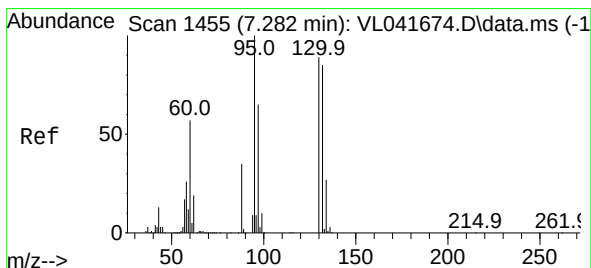
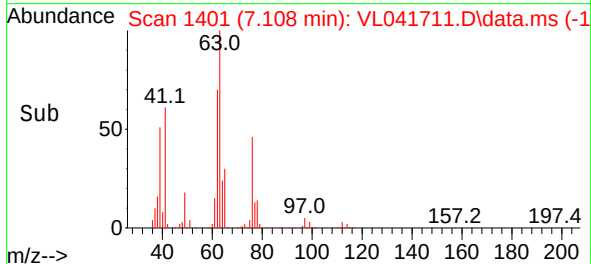
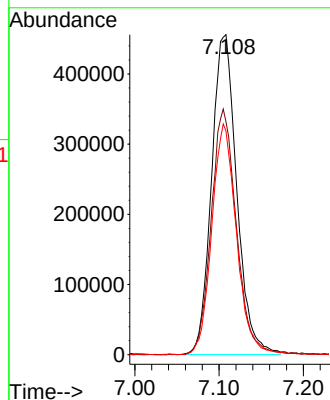
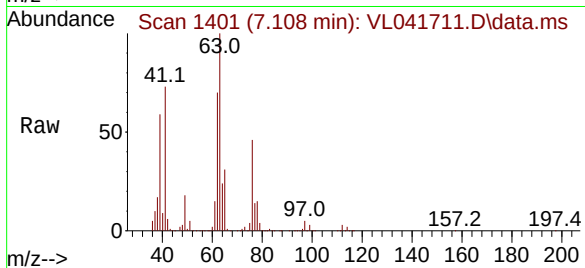
Tgt Ion: 63 Resp: 946394

Ion Ratio Lower Upper

63 100

41 72.8 59.1 88.7

62 69.9 57.7 86.5



#40

1,4-Dioxane

Concen: 10.936 ppbv

RT: 7.317 min Scan# 1466

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Tgt Ion: 88 Resp: 369652

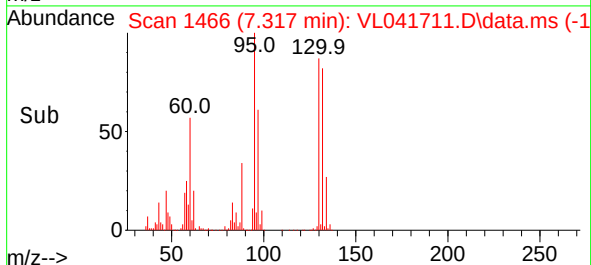
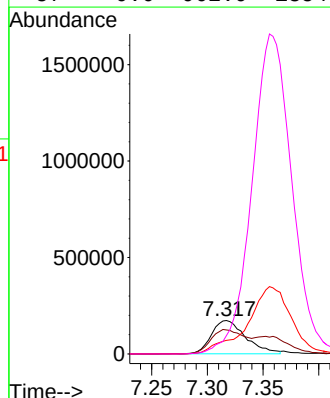
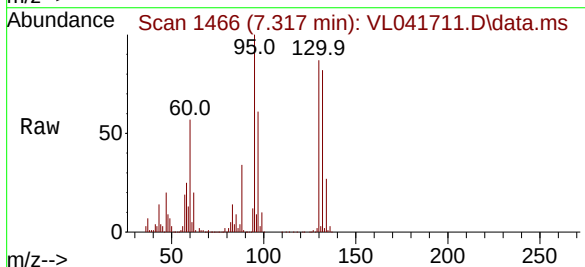
Ion Ratio Lower Upper

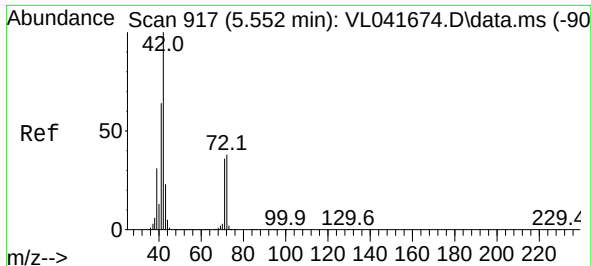
88 100

58 125.9 101.4 152.2

43 0.0 208.0 312.0#

57 0.0 902.9 1354.3#





#41

Tetrahydrofuran

Concen: 11.055 ppbv

RT: 5.587 min Scan# 917

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

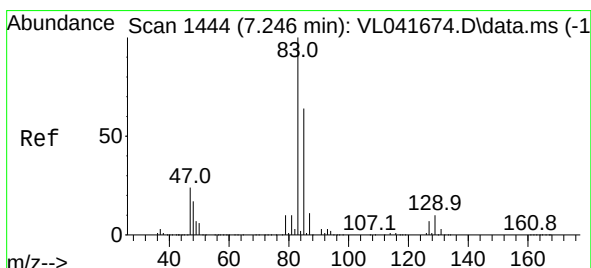
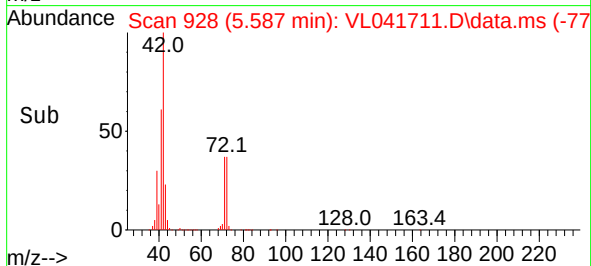
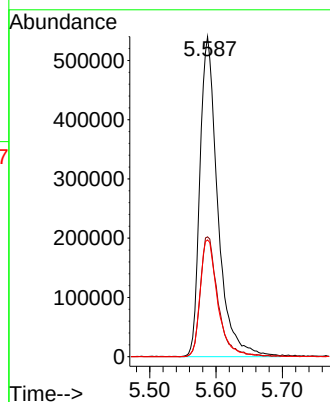
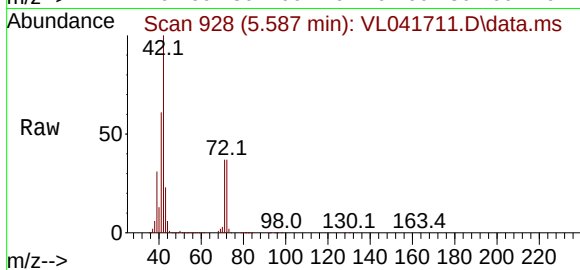
Tgt Ion: 42 Resp: 1011478

Ion Ratio Lower Upper

42 100

72 37.2 29.8 44.6

71 36.4 29.4 44.2



#42

Bromodichloromethane

Concen: 10.438 ppbv

RT: 7.282 min Scan# 1455

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

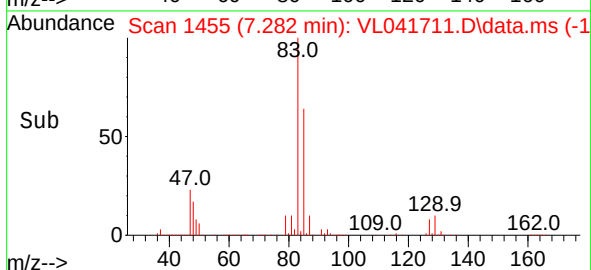
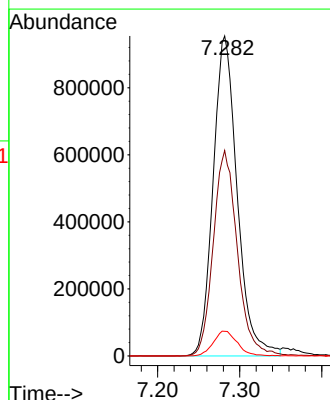
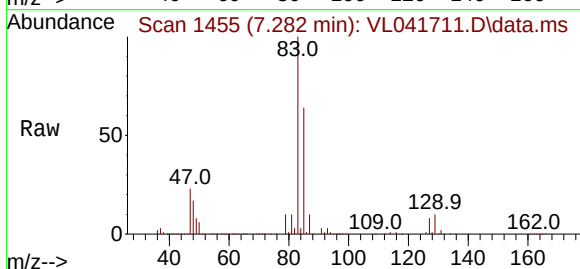
Tgt Ion: 83 Resp: 1950791

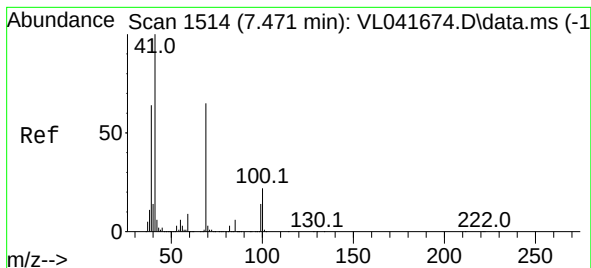
Ion Ratio Lower Upper

83 100

85 64.2 51.2 76.8

127 7.7 6.0 9.0





#43

Methyl Methacrylate

Concen: 11.476 ppbv

RT: 7.507 min Scan# 1478

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

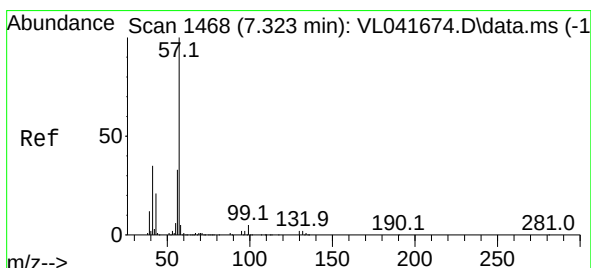
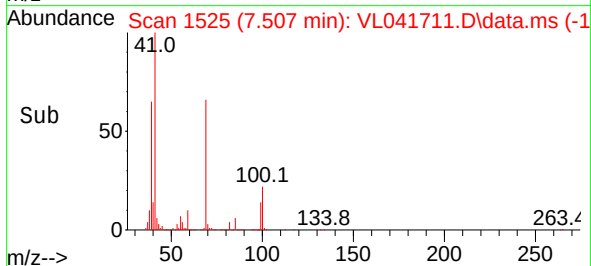
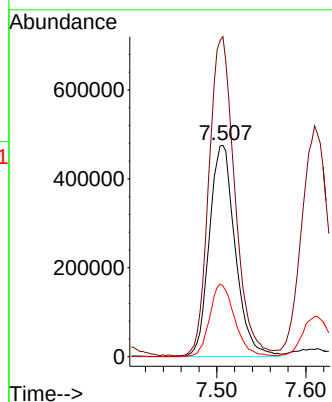
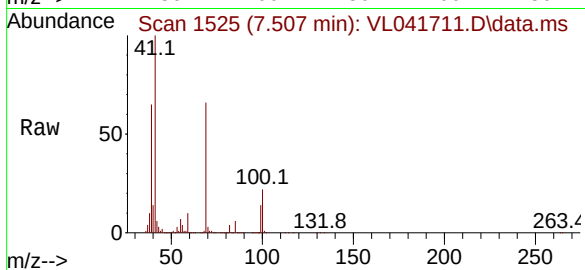
Tgt Ion: 69 Resp: 960580

Ion Ratio Lower Upper

69 100

41 150.9 119.8 179.6

100 33.3 27.3 40.9



#44

2,2,4-Trimethylpentane

Concen: 10.251 ppbv

RT: 7.356 min Scan# 1478

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

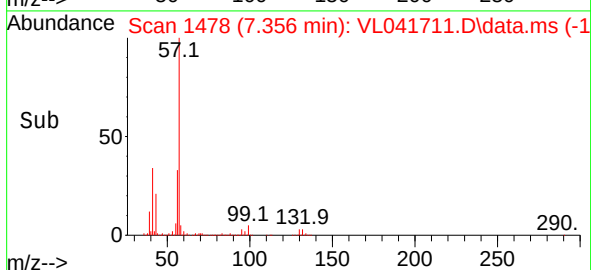
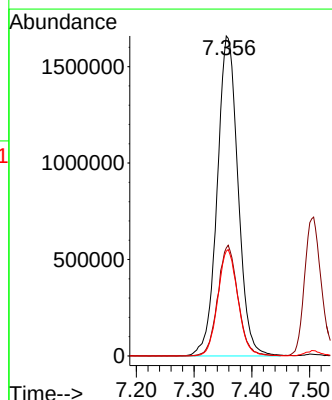
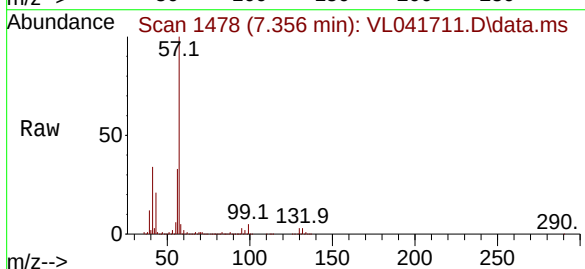
Tgt Ion: 57 Resp: 4139526

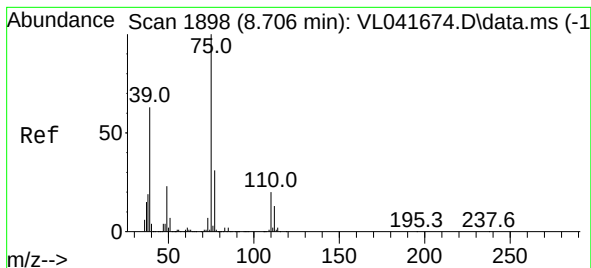
Ion Ratio Lower Upper

57 100

41 33.7 27.0 40.6

56 32.2 25.8 38.6





#45

t-1,3-Dichloropropene

Concen: 12.329 ppbv

RT: 8.741 min Scan# 1

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Instrument :

MSVOA_L

ClientSampleId :

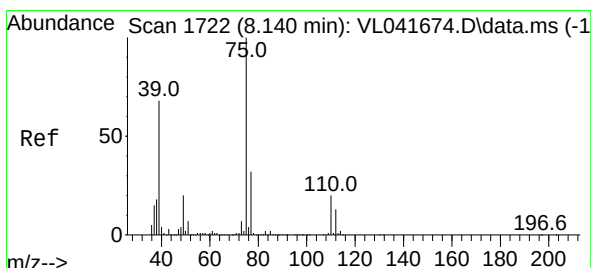
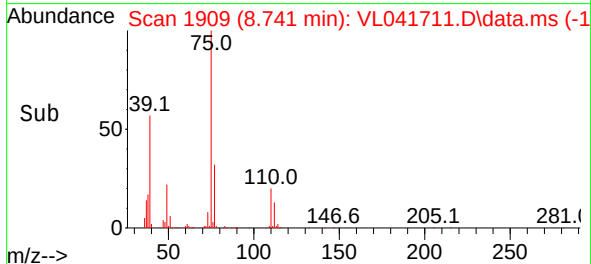
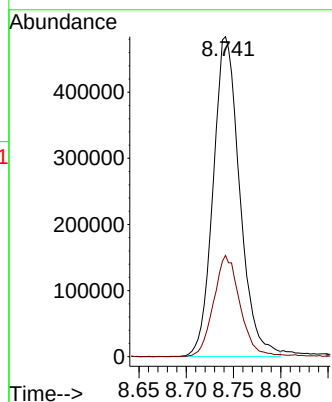
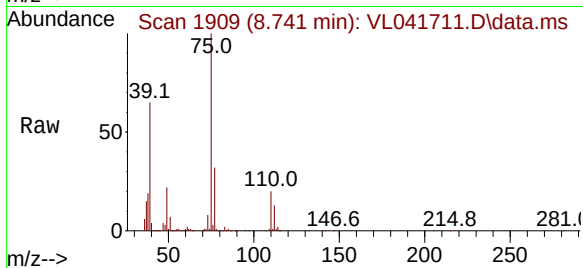
VSTDCCC010

Tgt Ion: 75 Resp: 943007

Ion Ratio Lower Upper

75 100

77 31.7 24.7 37.1



#46

cis-1,3-Dichloropropene

Concen: 11.647 ppbv

RT: 8.172 min Scan# 1732

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

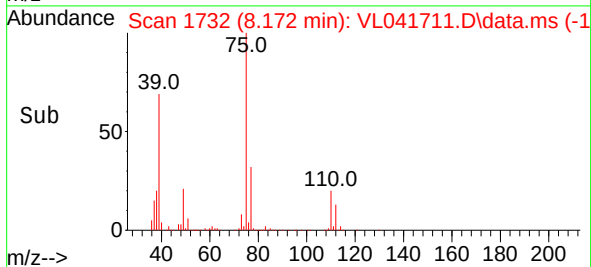
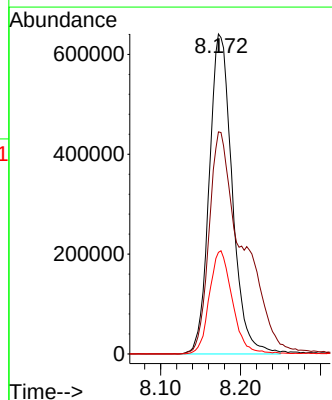
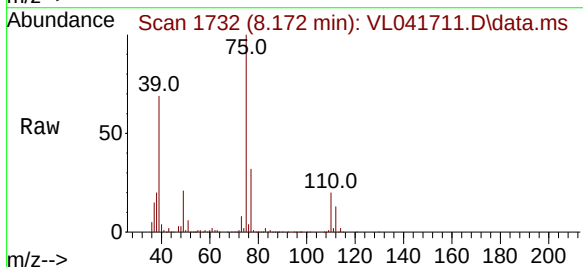
Tgt Ion: 75 Resp: 1279587

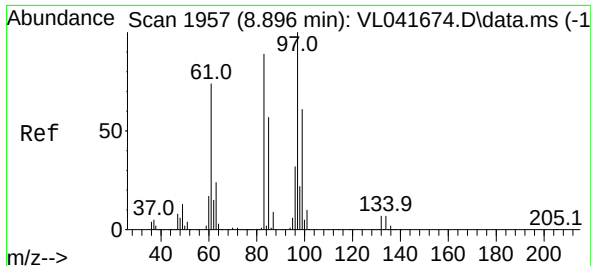
Ion Ratio Lower Upper

75 100

39 69.4 54.1 81.1

77 31.8 25.3 37.9





#47

1,1,2-Trichloroethane

Concen: 9.898 ppbv

RT: 8.931 min Scan# 1957

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 97 Resp: 1009245

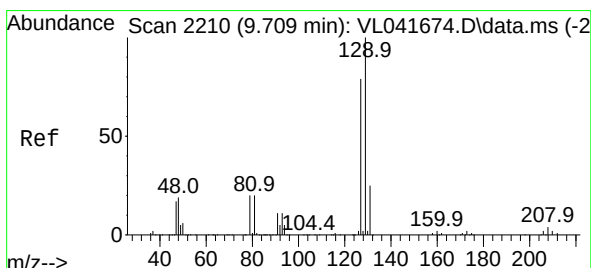
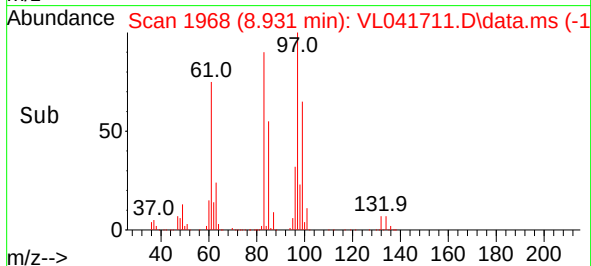
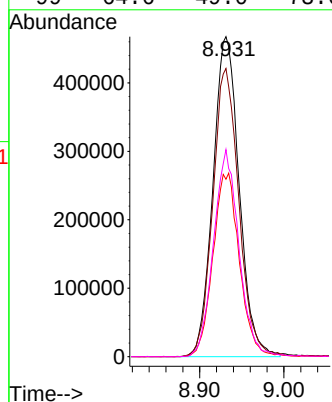
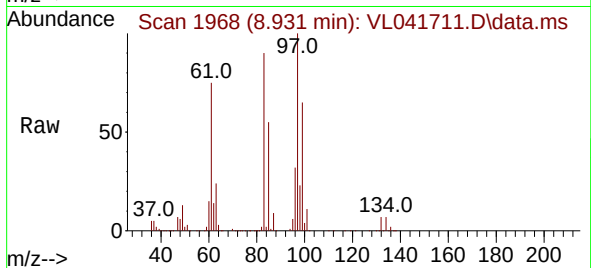
Ion Ratio Lower Upper

97 100

83 90.0 71.0 106.6

85 55.5 45.4 68.2

99 64.6 49.0 73.6



#48

Dibromochloromethane

Concen: 10.722 ppbv

RT: 9.741 min Scan# 2220

Delta R.T. 0.000 min

Lab File: VL041711.D

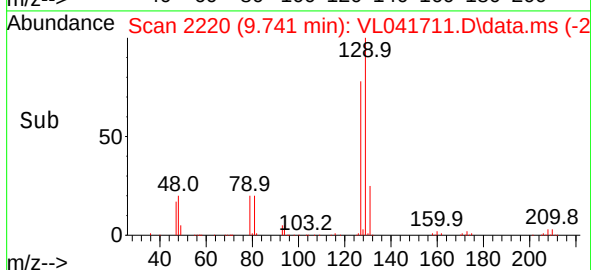
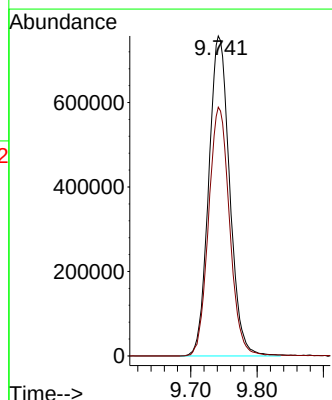
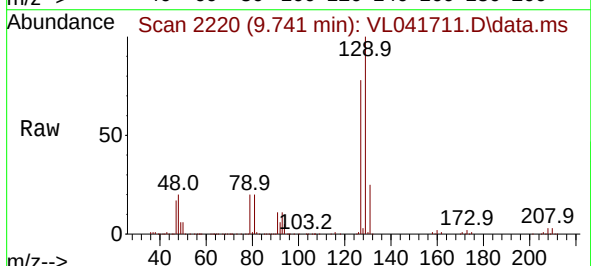
Acq: 21 Nov 2024 8:50

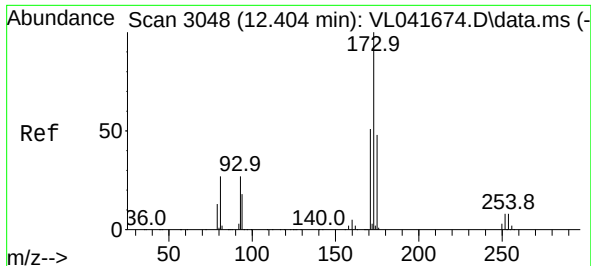
Tgt Ion: 129 Resp: 1661895

Ion Ratio Lower Upper

129 100

127 78.3 39.1 117.2





#49

Bromoform

Concen: 11.079 ppbv

RT: 12.439 min Scan# 3048

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

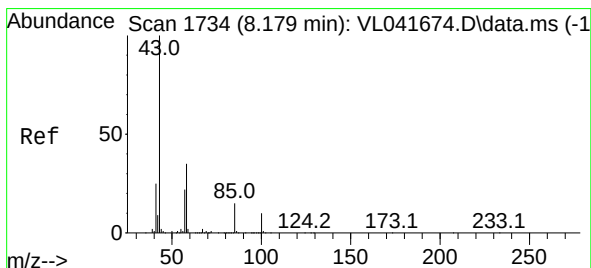
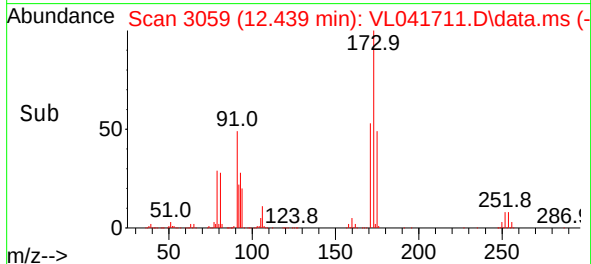
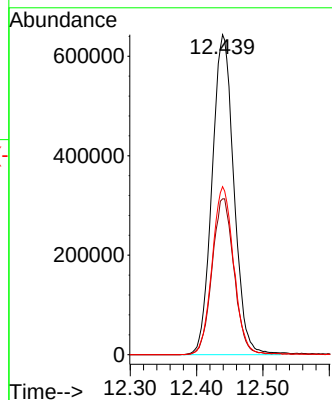
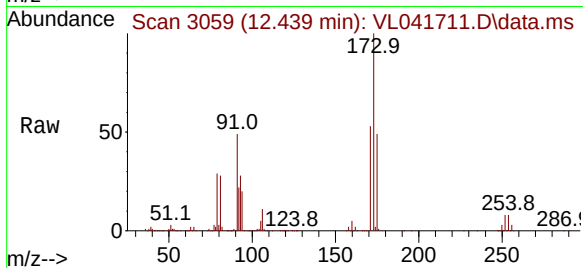
Tgt Ion:173 Resp: 1469304

Ion Ratio Lower Upper

173 100

175 49.5 39.2 58.8

171 52.2 41.7 62.5



#50

4-Methyl-2-Pentanone

Concen: 10.787 ppbv

RT: 8.211 min Scan# 1744

Delta R.T. 0.000 min

Lab File: VL041711.D

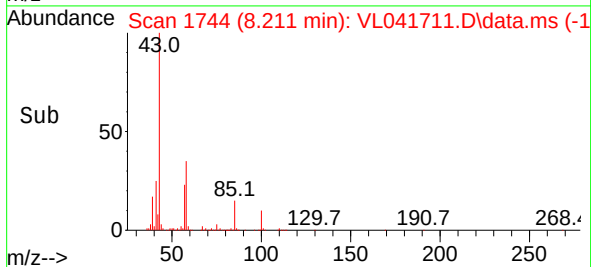
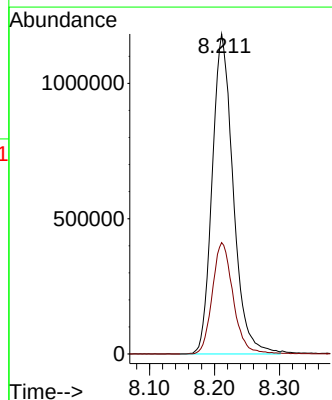
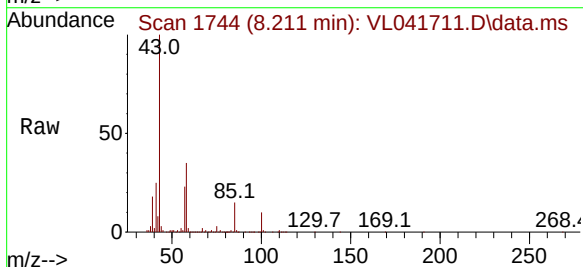
Acq: 21 Nov 2024 8:50

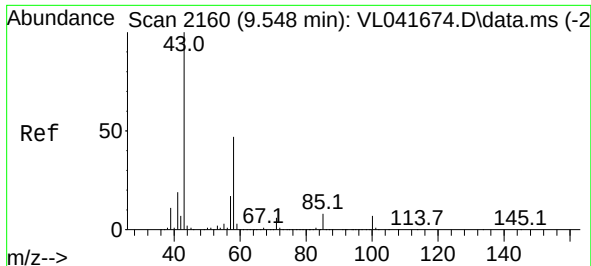
Tgt Ion: 43 Resp: 2653020

Ion Ratio Lower Upper

43 100

58 34.8 27.7 41.5

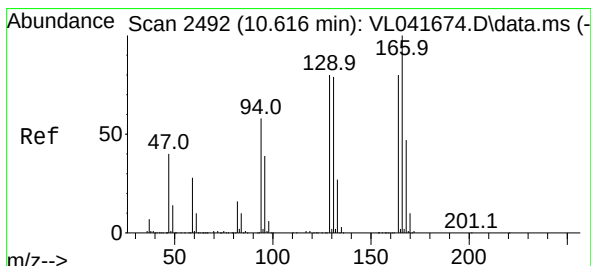
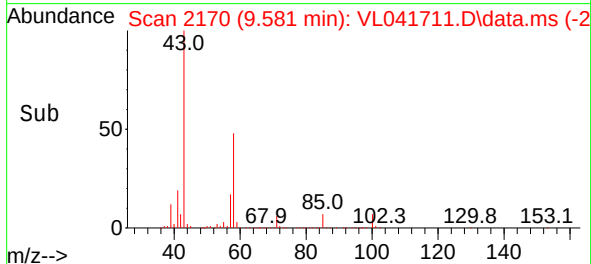
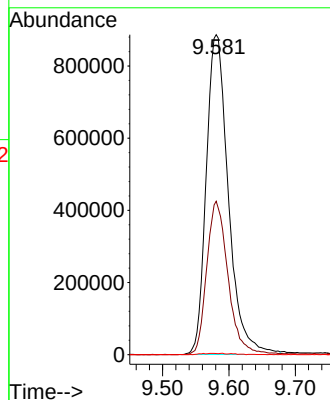
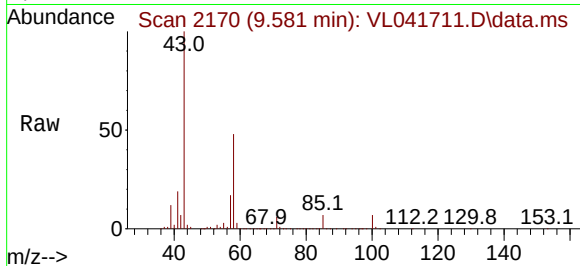




#51
2-Hexanone
Concen: 11.460 ppbv
RT: 9.581 min Scan# 2160
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

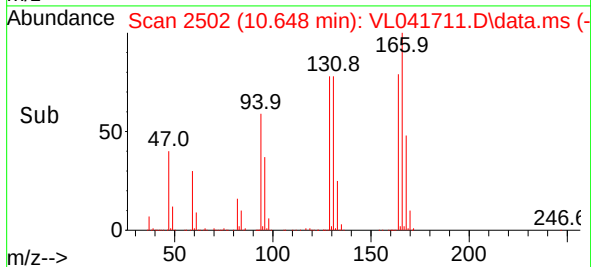
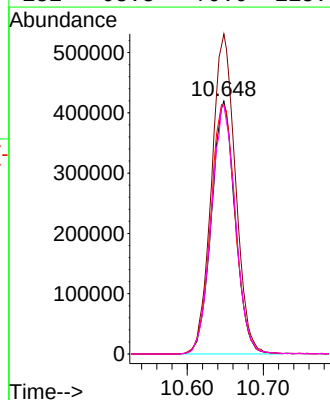
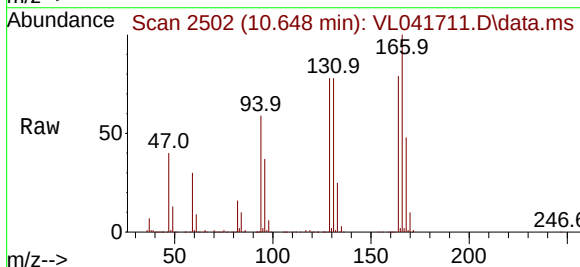
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

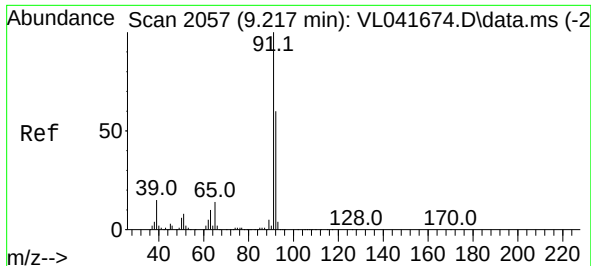
Tgt Ion: 43 Resp: 2052626
Ion Ratio Lower Upper
43 100
58 46.8 37.0 55.6
98 0.6 0.6 0.8



#52
Tetrachloroethene
Concen: 11.127 ppbv
RT: 10.648 min Scan# 2502
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

Tgt Ion: 164 Resp: 903960
Ion Ratio Lower Upper
164 100
166 126.5 100.2 150.4
129 98.3 79.7 119.5
131 98.3 79.0 118.4





#53

Toluene

Concen: 11.317 ppbv

RT: 9.253 min Scan# 2057

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Instrument :

MSVOA_L

ClientSampleId :

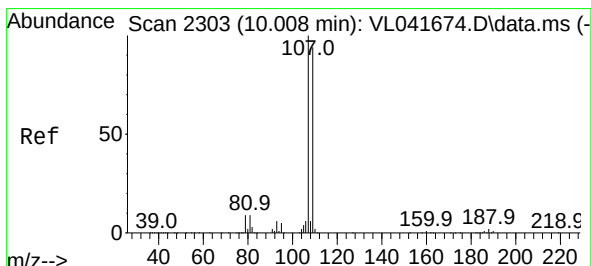
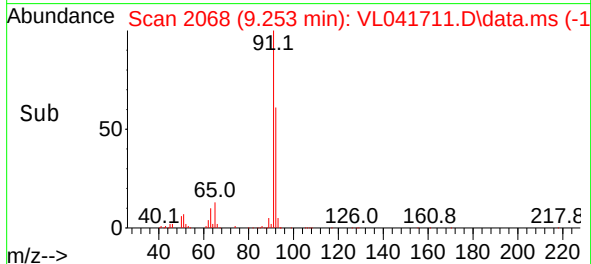
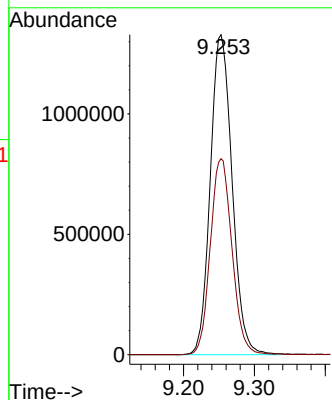
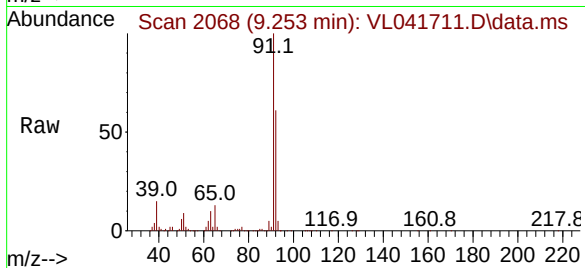
VSTDCCC010

Tgt Ion: 91 Resp: 2837342

Ion Ratio Lower Upper

91 100

92 61.0 49.0 73.4



#54

1,2-Dibromoethane

Concen: 11.480 ppbv

RT: 10.040 min Scan# 2313

Delta R.T. 0.000 min

Lab File: VL041711.D

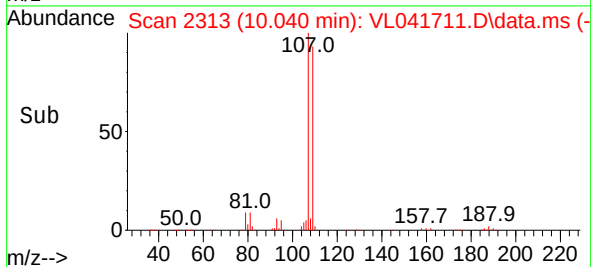
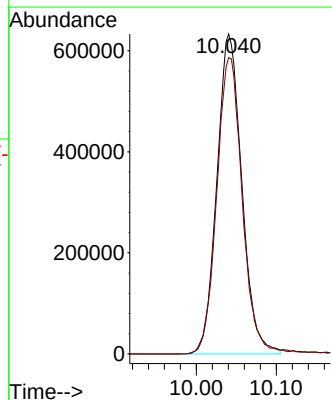
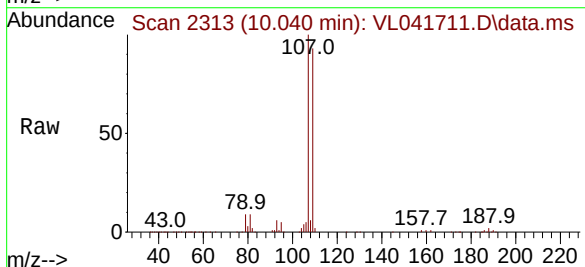
Acq: 21 Nov 2024 8:50

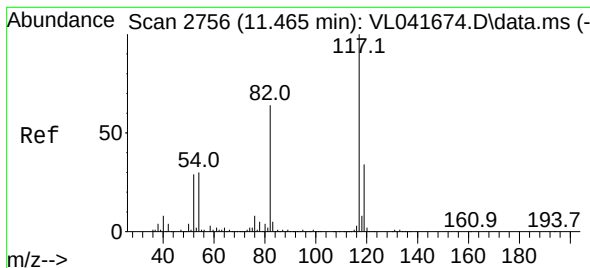
Tgt Ion:107 Resp: 1367674

Ion Ratio Lower Upper

107 100

109 92.6 74.9 112.3

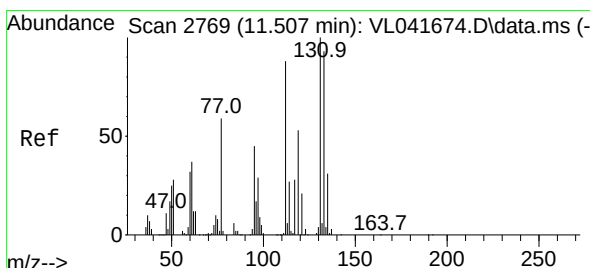
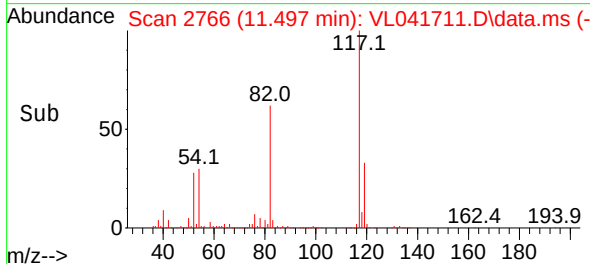
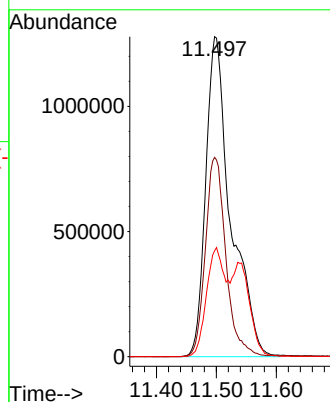
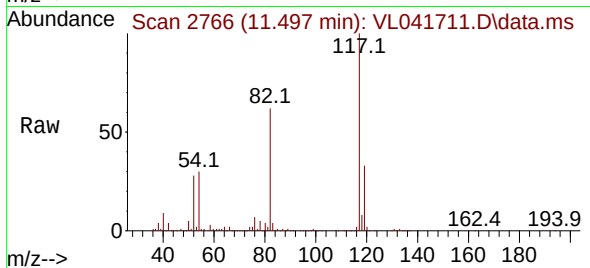




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.497 min Scan# 2756
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

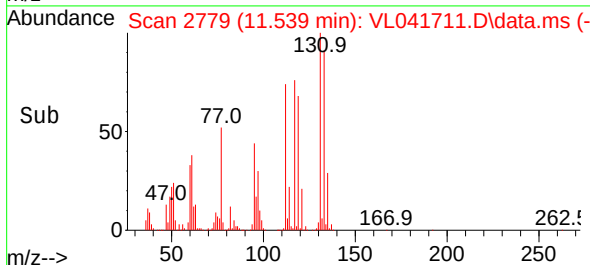
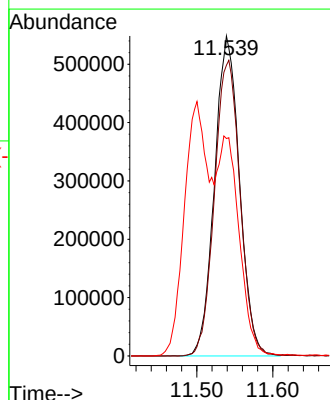
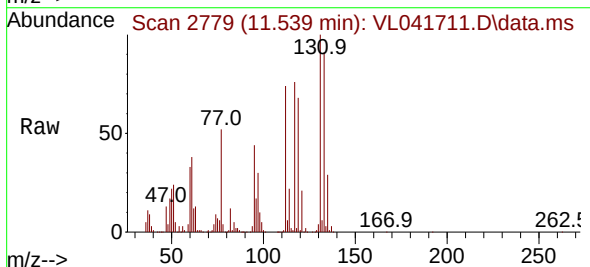
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

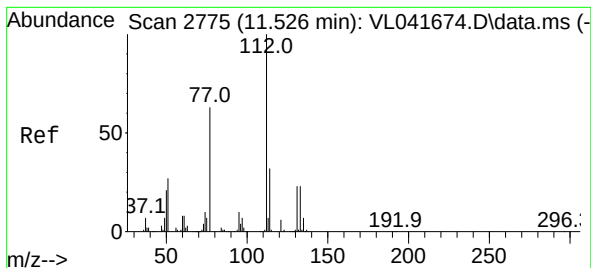
Tgt Ion:117 Resp: 3707892
Ion Ratio Lower Upper
117 100
82 51.8 49.8 74.8
119 23.9 24.2 36.4#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.195 ppbv
RT: 11.539 min Scan# 2779
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

Tgt Ion:131 Resp: 1253171
Ion Ratio Lower Upper
131 100
133 94.8 76.5 114.7
119 64.6 49.8 74.8

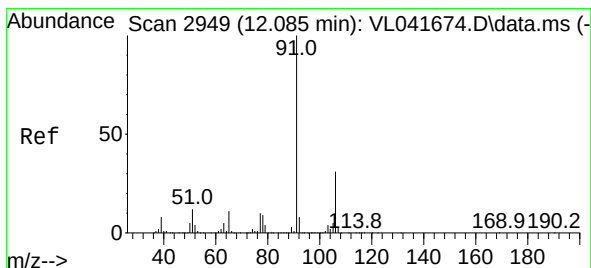
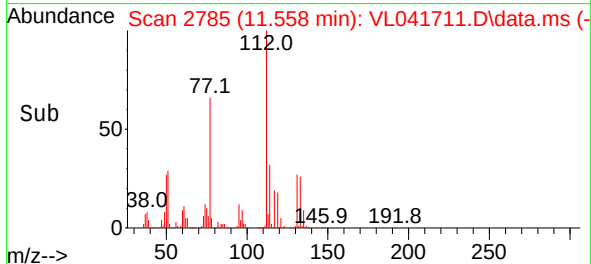
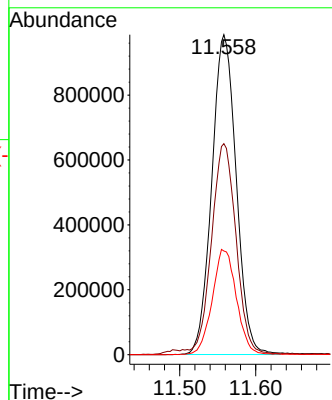
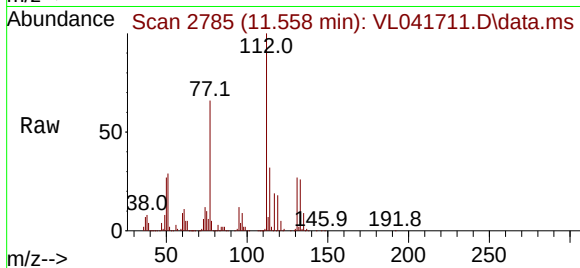




#57
Chlorobenzene
Concen: 8.031 ppbv
RT: 11.558 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

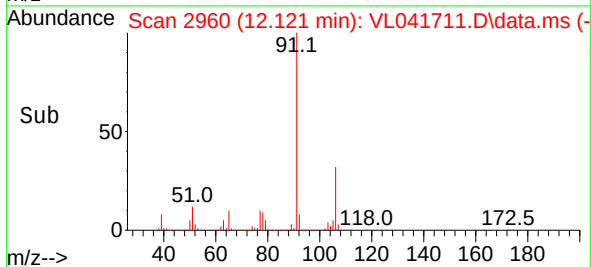
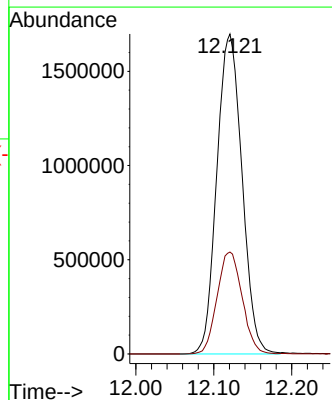
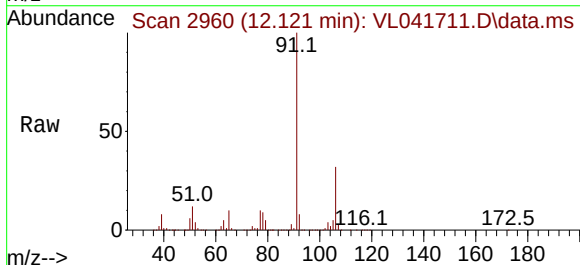
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

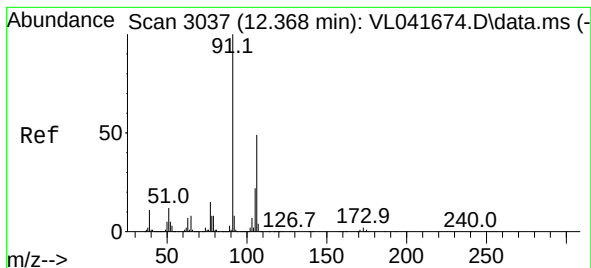
Tgt Ion:112 Resp: 2202336
Ion Ratio Lower Upper
112 100
77 65.7 51.4 77.2
114 32.3 28.4 34.8



#58
Ethyl Benzene
Concen: 9.368 ppbv
RT: 12.121 min Scan# 2960
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

Tgt Ion: 91 Resp: 3808048
Ion Ratio Lower Upper
91 100
106 31.8 24.9 37.3





#59

m/p-Xylene

Concen: 9.049 ppbv

RT: 12.404 min Scan# 3037

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Instrument :

MSVOA_L

ClientSampleId :

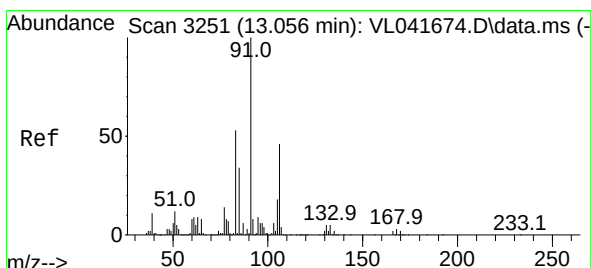
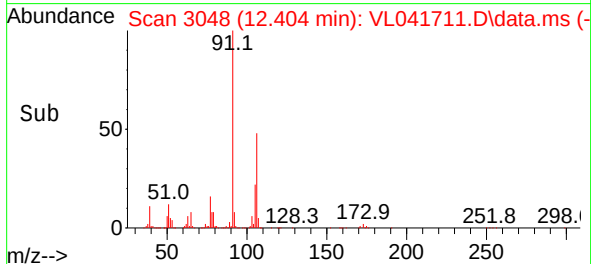
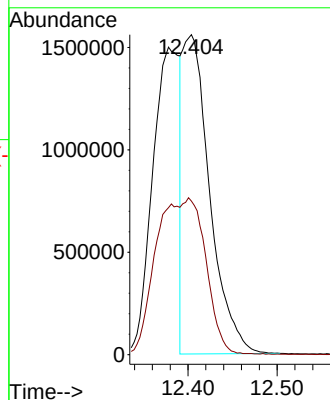
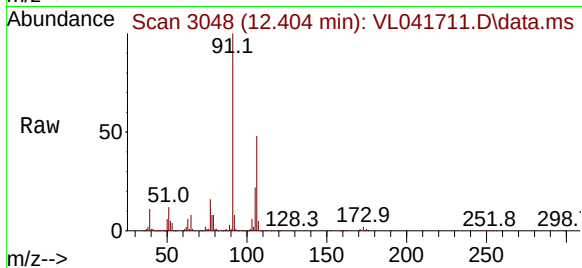
VSTDCCC010

Tgt Ion: 91 Resp: 3294190

Ion Ratio Lower Upper

91 100

106 90.2 36.9 55.3#



#60

o-Xylene

Concen: 8.954 ppbv

RT: 13.089 min Scan# 3261

Delta R.T. 0.000 min

Lab File: VL041711.D

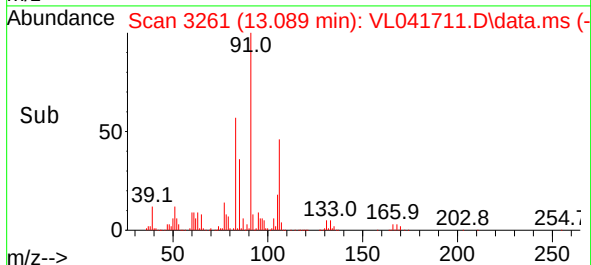
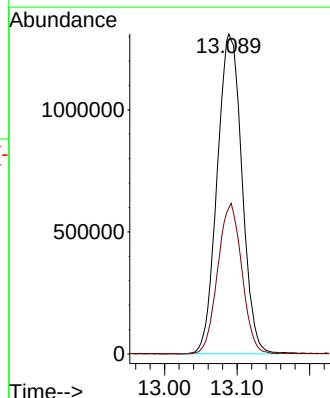
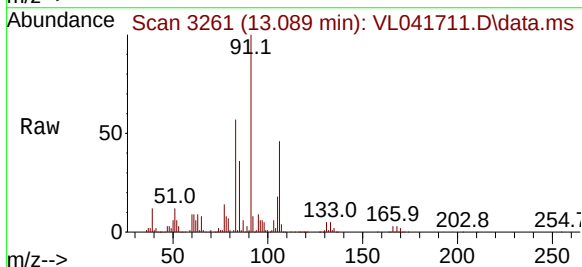
Acq: 21 Nov 2024 8:50

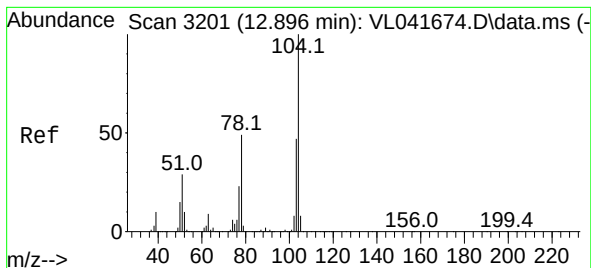
Tgt Ion: 91 Resp: 3108102

Ion Ratio Lower Upper

91 100

106 45.9 23.2 69.6





#61

Styrene

Concen: 10.457 ppbv

RT: 12.928 min Scan# 31

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

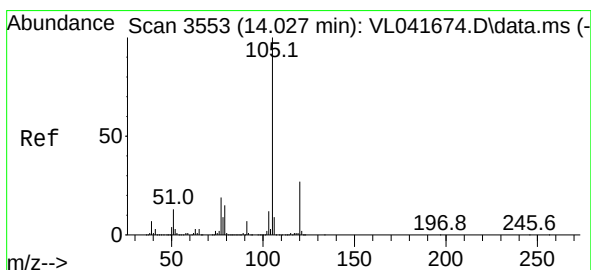
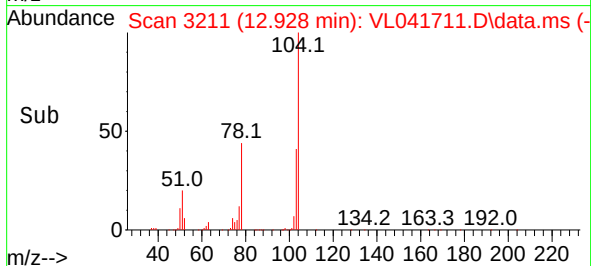
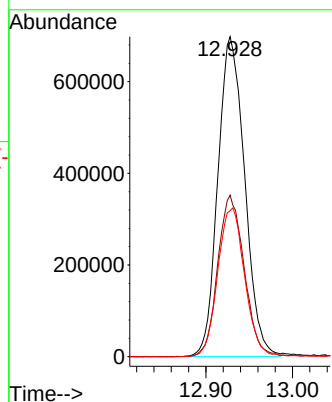
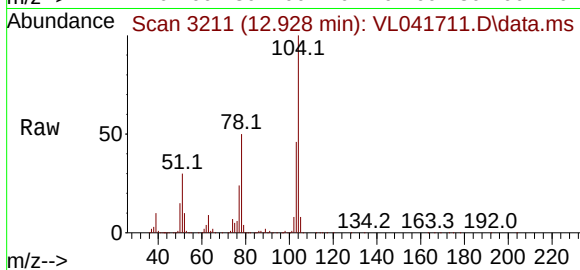
Tgt Ion:104 Resp: 1498189

Ion Ratio Lower Upper

104 100

78 49.9 39.8 59.8

103 47.1 37.4 56.0



#62

Isopropylbenzene

Concen: 8.553 ppbv

RT: 14.060 min Scan# 3563

Delta R.T. 0.000 min

Lab File: VL041711.D

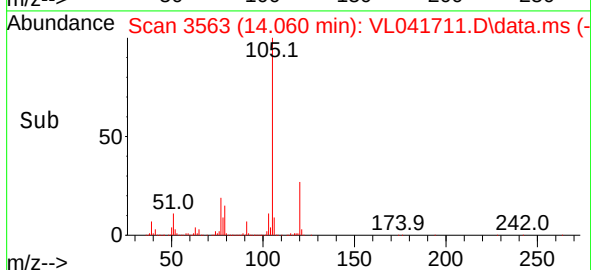
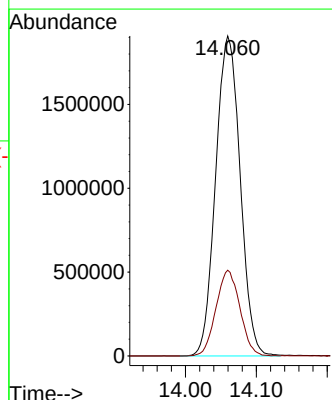
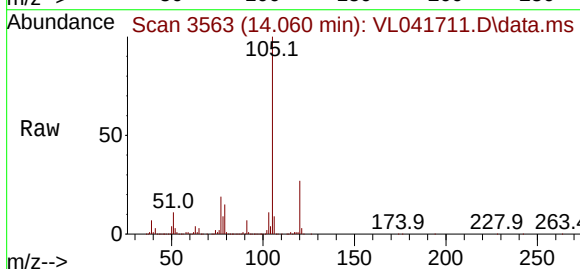
Acq: 21 Nov 2024 8:50

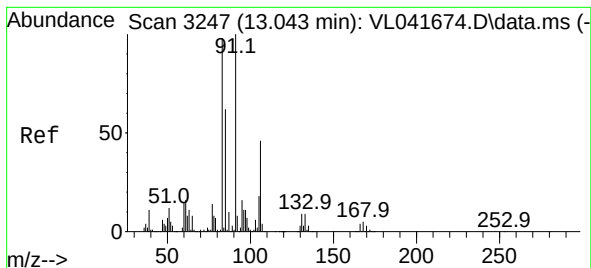
Tgt Ion:105 Resp: 4585032

Ion Ratio Lower Upper

105 100

120 26.2 21.1 31.7





#63

1,1,2,2-Tetrachloroethane

Concen: 8.443 ppbv

RT: 13.079 min Scan# 31

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

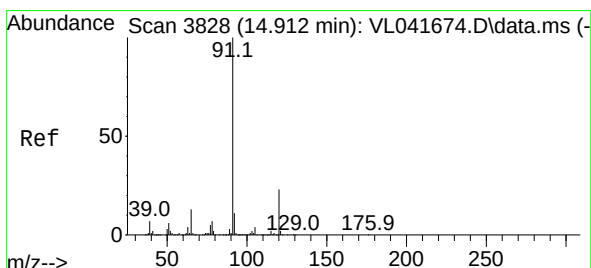
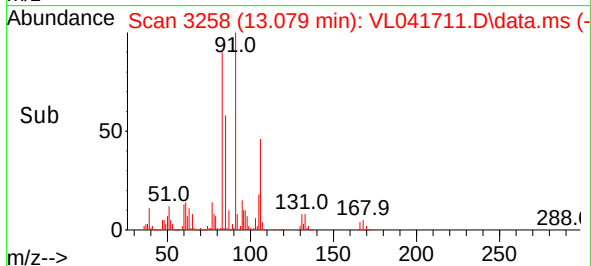
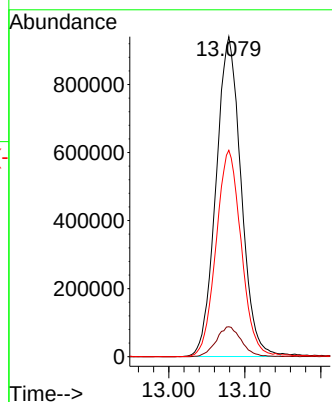
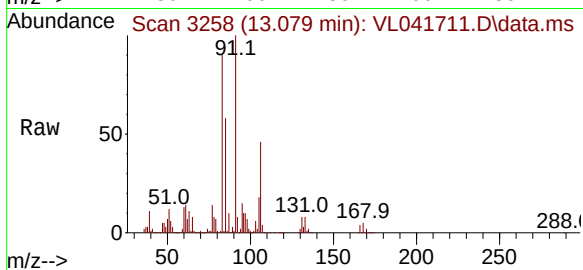
Tgt Ion: 83 Resp: 2155854

Ion Ratio Lower Upper

83 100

131 9.5 4.8 14.3

85 65.4 32.6 98.0



#64

n-propylbenzene

Concen: 8.858 ppbv

RT: 14.944 min Scan# 3838

Delta R.T. 0.000 min

Lab File: VL041711.D

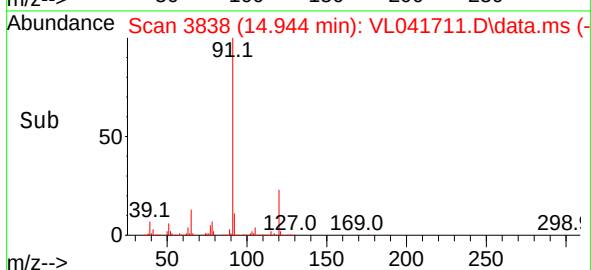
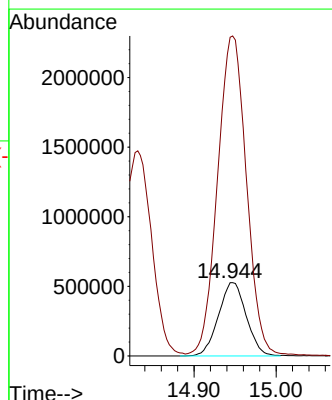
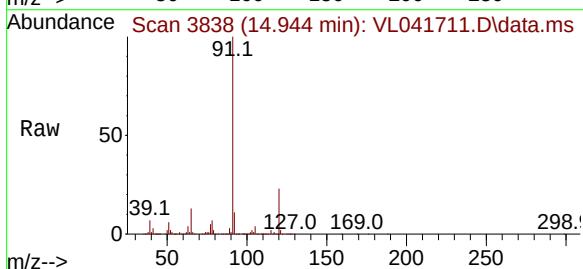
Acq: 21 Nov 2024 8:50

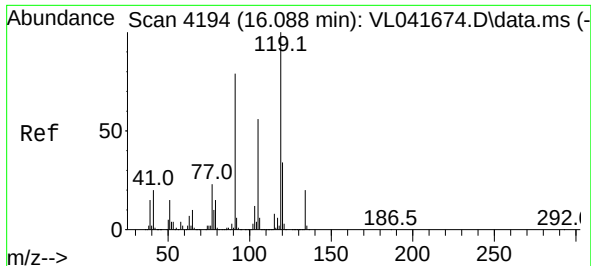
Tgt Ion:120 Resp: 1243110

Ion Ratio Lower Upper

120 100

91 454.7 362.4 543.6





#65

tert-Butylbenzene

Concen: 8.493 ppbv

RT: 16.117 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

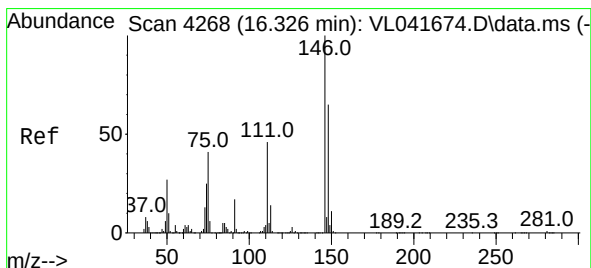
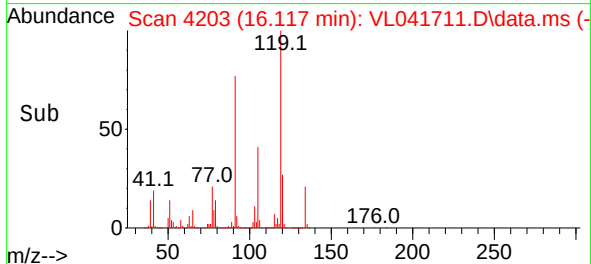
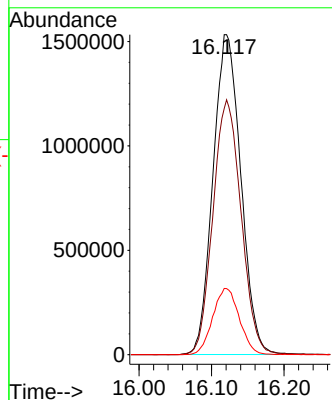
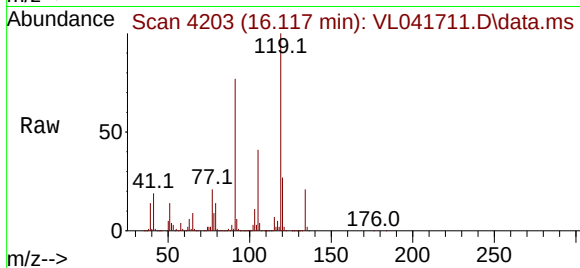
Tgt Ion:119 Resp: 4092301

Ion Ratio Lower Upper

119 100

91 80.5 64.3 96.5

134 19.8 15.8 23.8



#66

Benzyl Chloride

Concen: 9.723 ppbv

RT: 16.359 min Scan# 4278

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

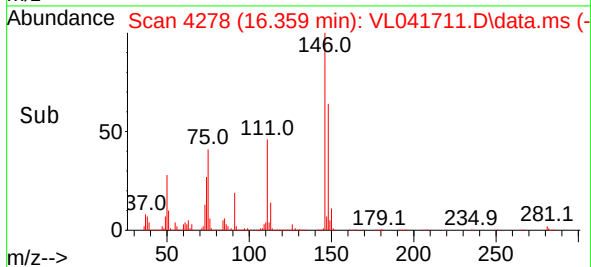
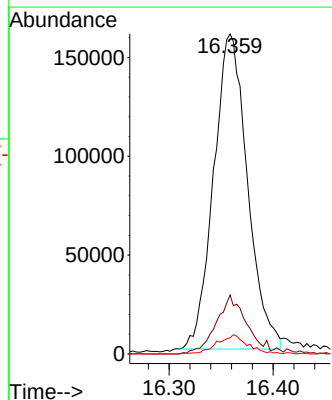
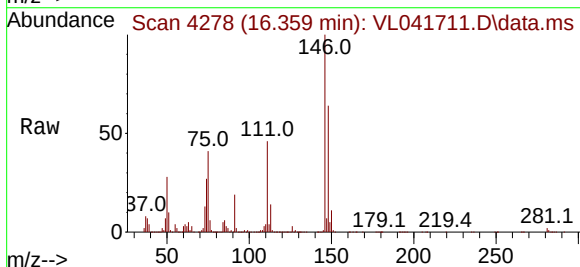
Tgt Ion: 91 Resp: 360391

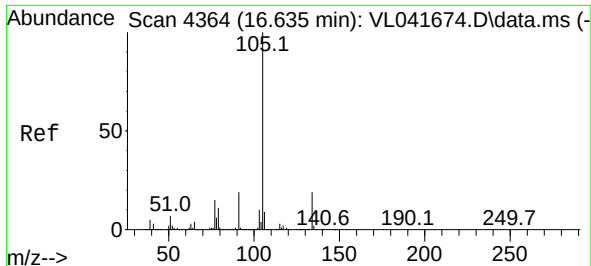
Ion Ratio Lower Upper

91 100

126 17.8 13.8 20.6

128 5.6 4.3 6.5





#67

sec-Butylbenzene

Concen: 8.494 ppbv

RT: 16.667 min Scan# 4364

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Instrument :

MSVOA_L

ClientSampleId :

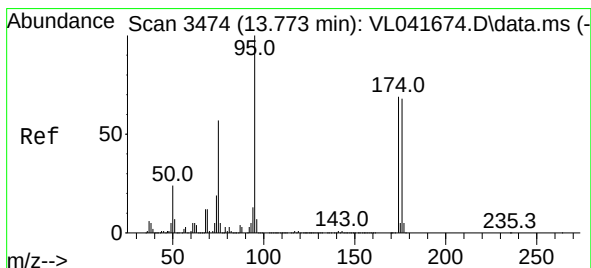
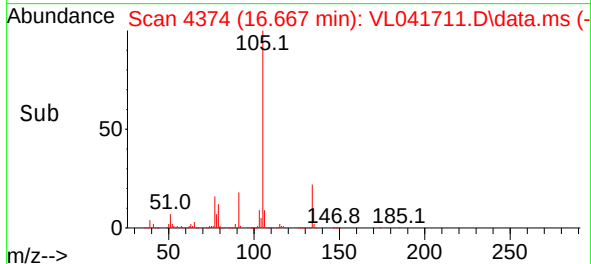
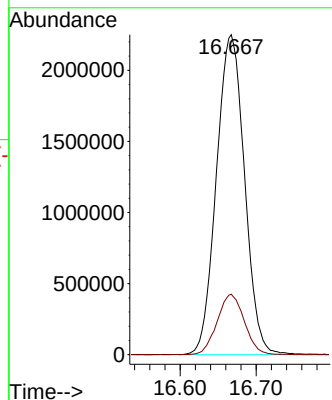
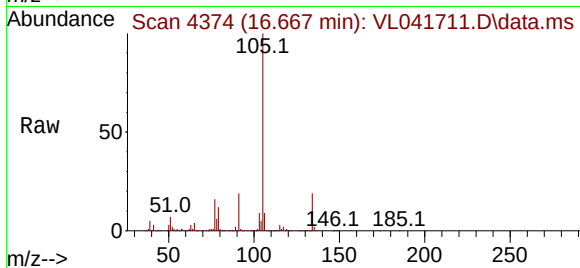
VSTDCCC010

Tgt Ion:105 Resp: 5768247

Ion Ratio Lower Upper

105 100

134 18.3 14.6 22.0



#68

1-Bromo-4-Fluorobenzene

Concen: 8.262 ppbv

RT: 13.806 min Scan# 3484

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

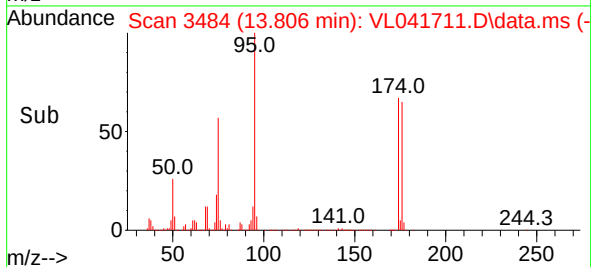
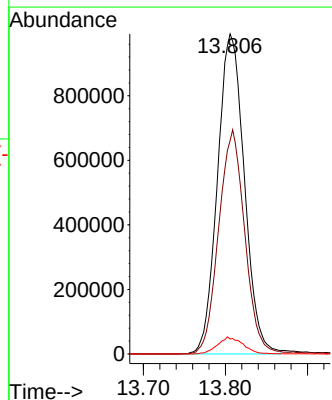
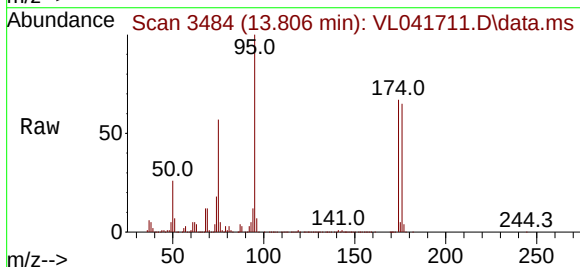
Tgt Ion: 95 Resp: 2257188

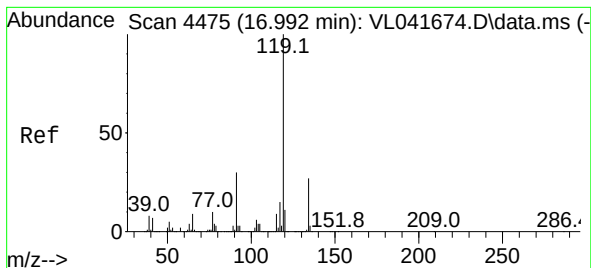
Ion Ratio Lower Upper

95 100

174 68.7 55.6 83.4

175 5.1 4.2 6.2





#69

p-Isopropyltoluene

Concen: 8.766 ppbv

RT: 17.027 min Scan# 4475

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

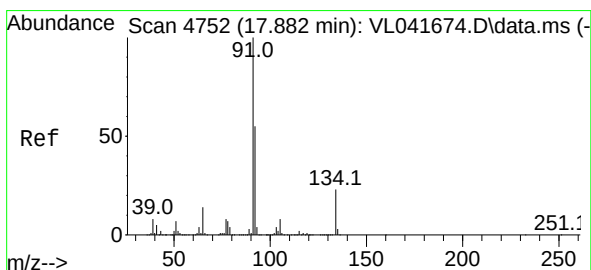
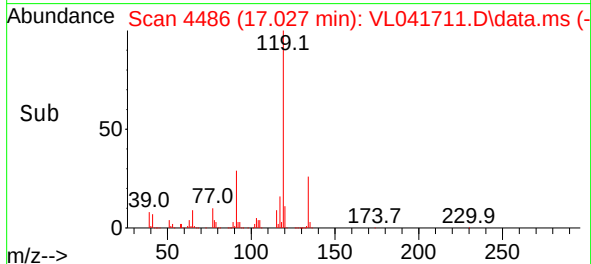
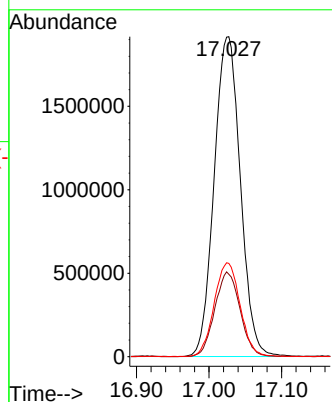
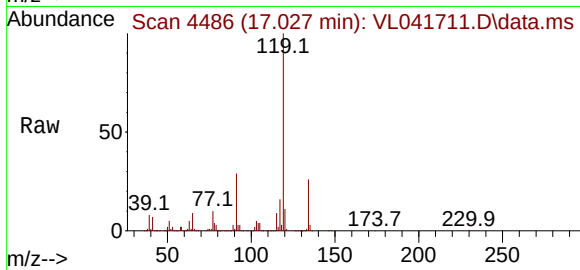
Tgt Ion:119 Resp: 4812497

Ion Ratio Lower Upper

119 100

134 25.7 20.8 31.2

91 28.9 23.2 34.8



#70

n-Butylbenzene

Concen: 8.833 ppbv

RT: 17.918 min Scan# 4763

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

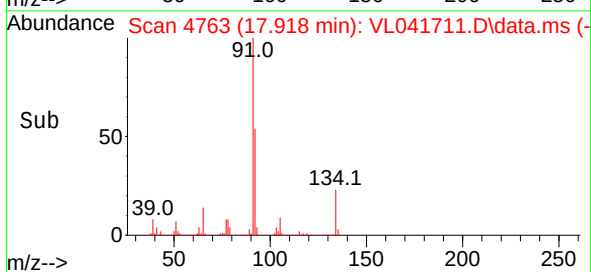
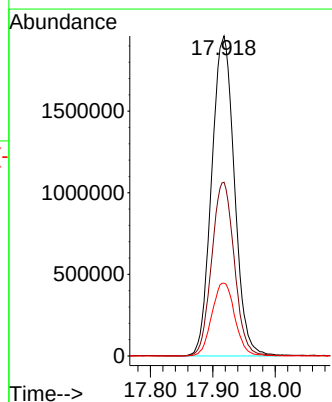
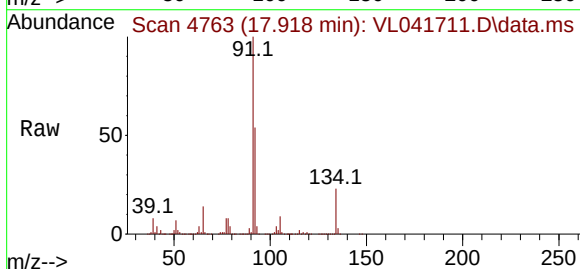
Tgt Ion: 91 Resp: 4962014

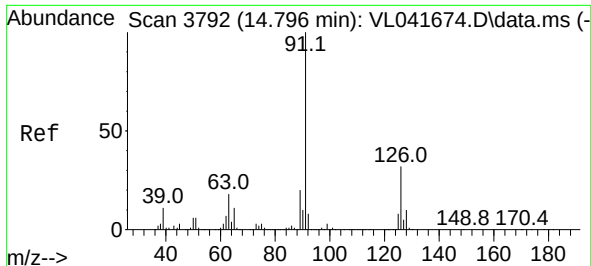
Ion Ratio Lower Upper

91 100

92 54.0 43.3 64.9

134 23.1 18.4 27.6

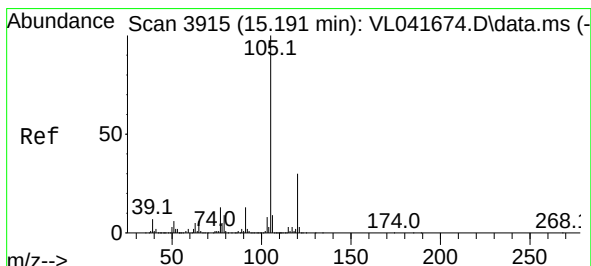
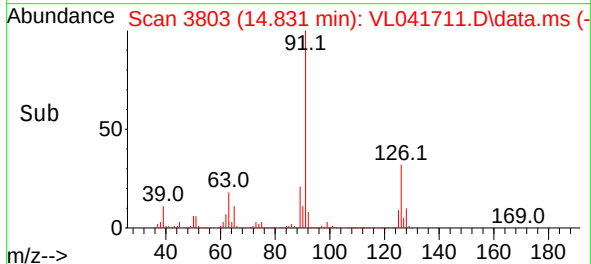
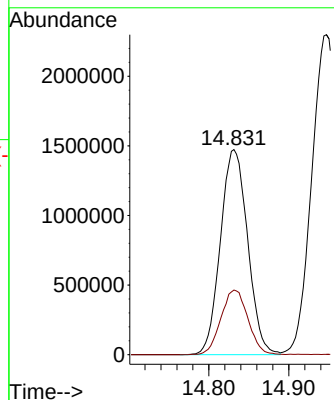
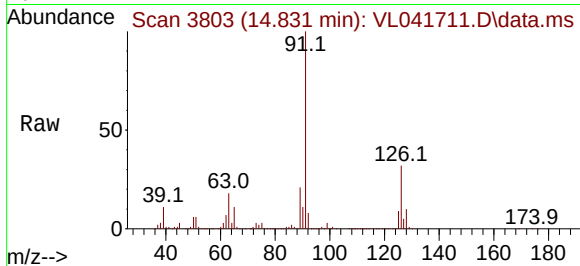




#71
2-Chlorotoluene
Concen: 8.992 ppbv
RT: 14.831 min Scan# 3792
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

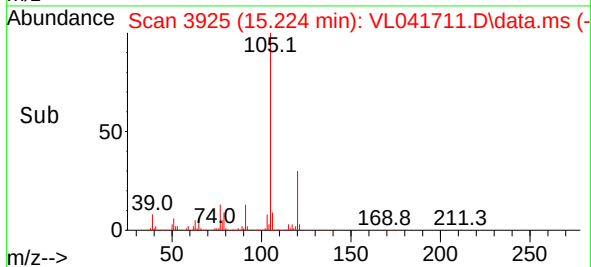
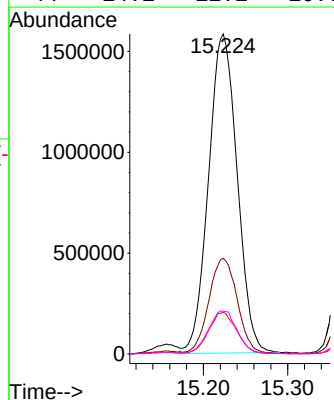
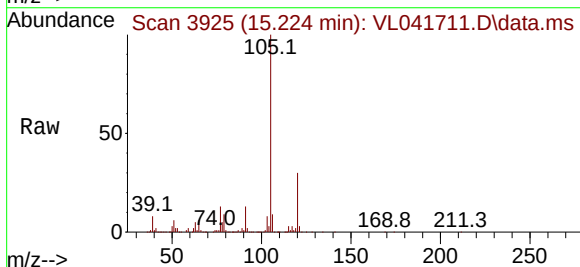
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

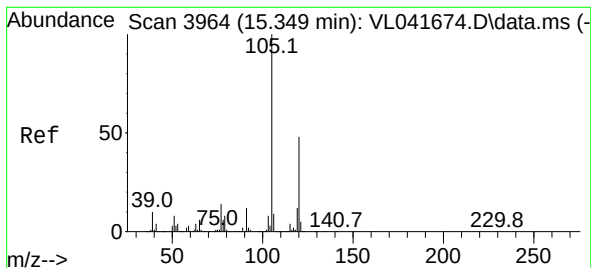
Tgt Ion: 91 Resp: 3484566
Ion Ratio Lower Upper
91 100
126 31.5 12.8 51.0



#72
4-Ethyltoluene
Concen: 9.258 ppbv
RT: 15.224 min Scan# 3925
Delta R.T. 0.000 min
Lab File: VL041711.D
Acq: 21 Nov 2024 8:50

Tgt Ion: 105 Resp: 3736233
Ion Ratio Lower Upper
105 100
120 30.9 25.0 37.4
91 12.9 10.6 15.8
77 14.1 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 8.987 ppbv

RT: 15.381 min Scan# 3964

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Instrument :

MSVOA_L

ClientSampleId :

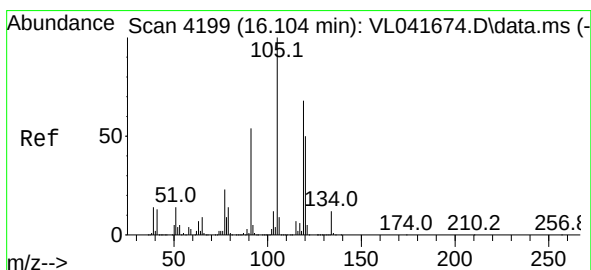
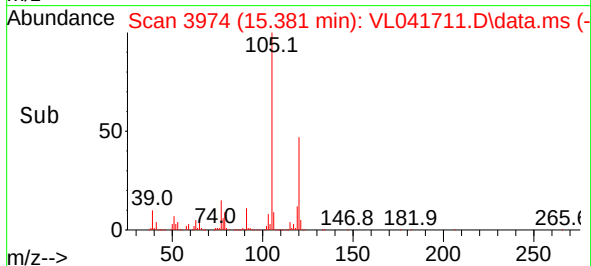
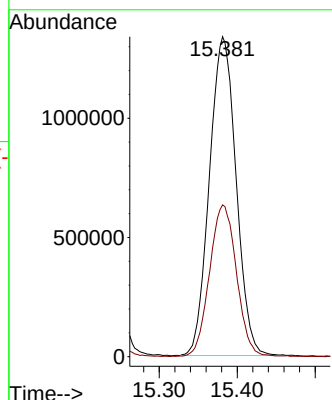
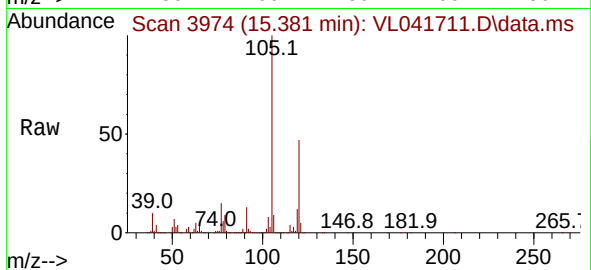
VSTDCCC010

Tgt Ion:105 Resp: 3182515

Ion Ratio Lower Upper

105 100

120 47.4 38.4 57.6



#74

1,2,4-Trimethylbenzene

Concen: 8.552 ppbv

RT: 16.140 min Scan# 4210

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Tgt Ion:105 Resp: 3517746

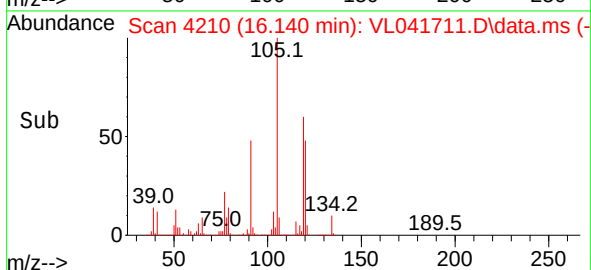
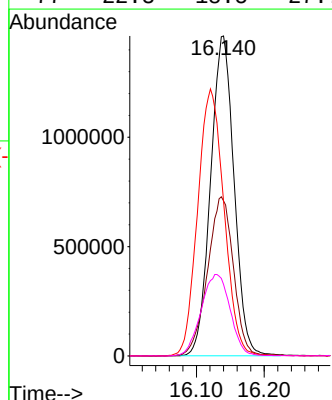
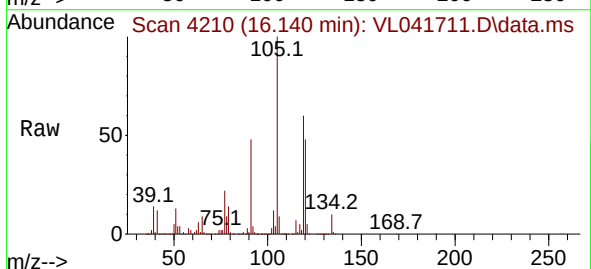
Ion Ratio Lower Upper

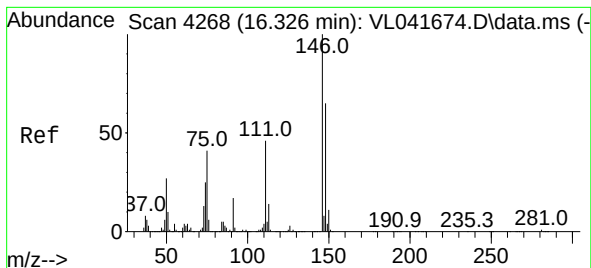
105 100

120 48.3 39.8 59.8

91 48.2 43.2 64.8

77 22.3 18.5 27.7





#75

1,3-Dichlorobenzene

Concen: 8.503 ppbv

RT: 16.362 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

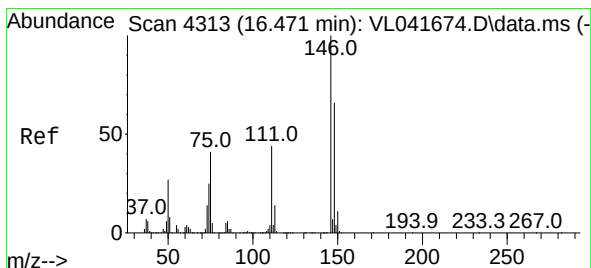
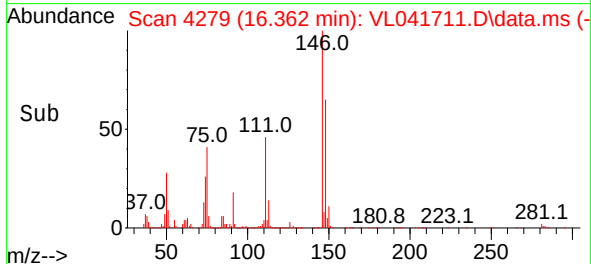
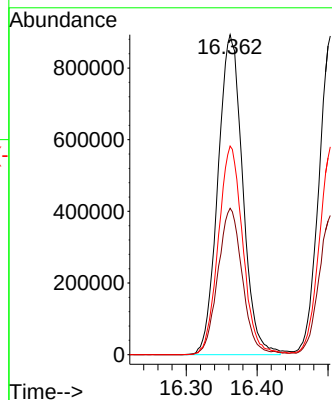
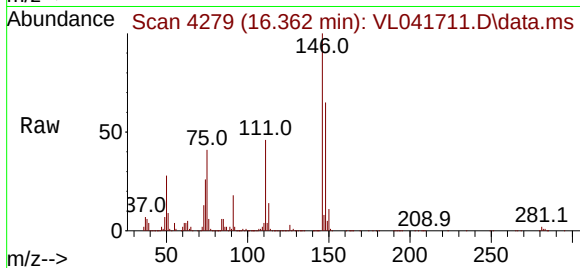
Tgt Ion:146 Resp: 2166163

Ion Ratio Lower Upper

146 100

111 45.4 22.8 68.3

148 64.6 32.4 97.0



#76

1,4-Dichlorobenzene

Concen: 8.524 ppbv

RT: 16.506 min Scan# 4324

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

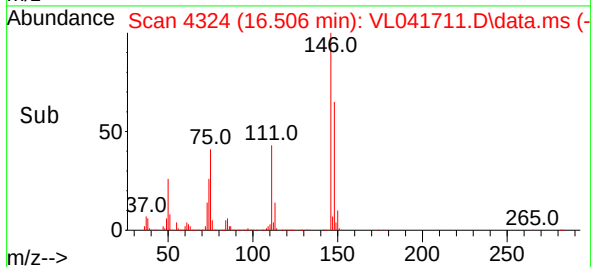
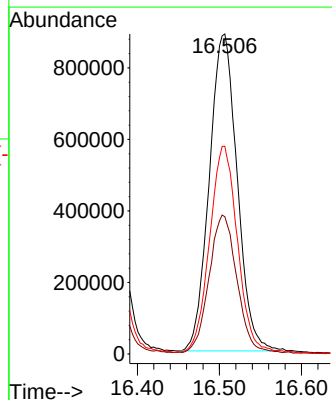
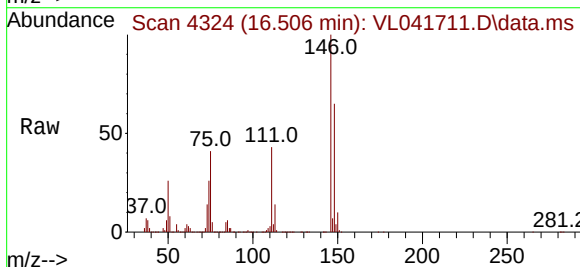
Tgt Ion:146 Resp: 2095111

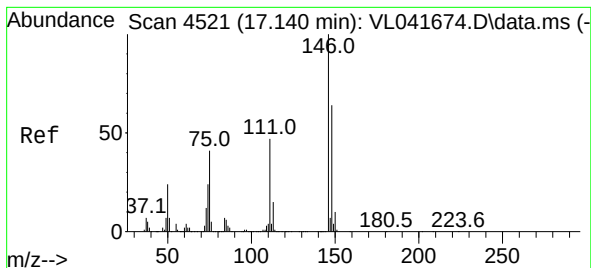
Ion Ratio Lower Upper

146 100

111 44.9 22.1 66.3

148 66.5 33.3 99.8





#77

1,2-Dichlorobenzene

Concen: 8.358 ppbv

RT: 17.175 min Scan# 4532

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

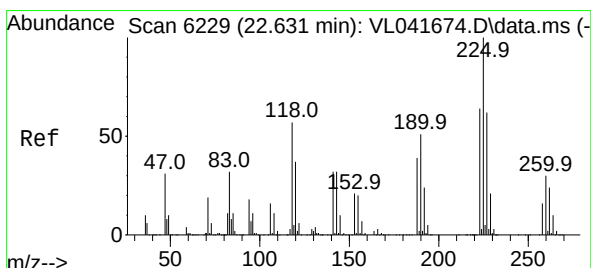
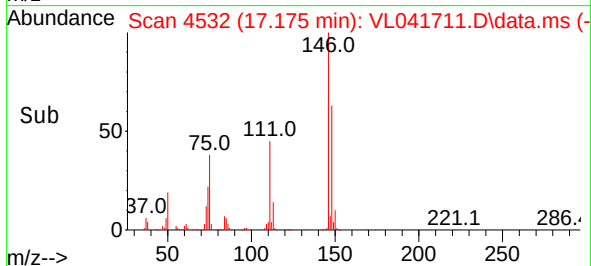
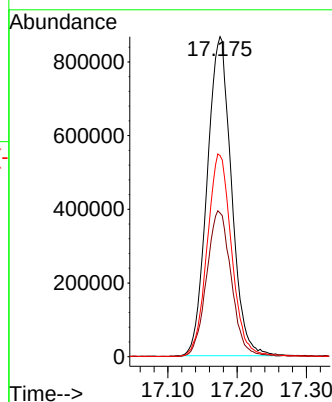
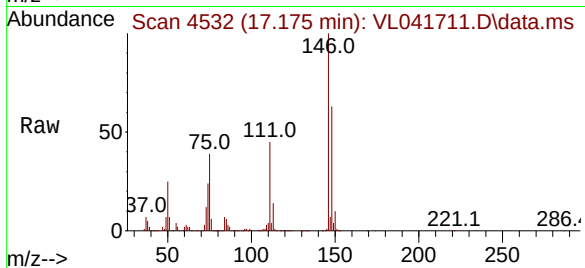
Tgt Ion:146 Resp: 2109445

Ion Ratio Lower Upper

146 100

111 46.5 23.4 70.3

148 64.2 32.1 96.5



#78

Hexachloro-1,3-Butadiene

Concen: 3.716 ppbv

RT: 22.664 min Scan# 6239

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

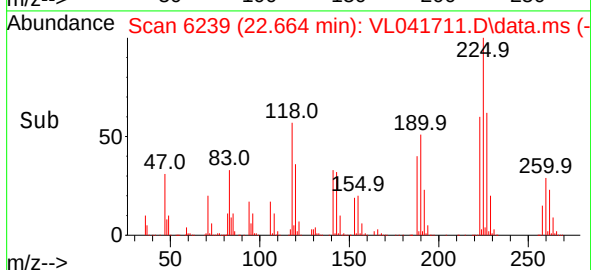
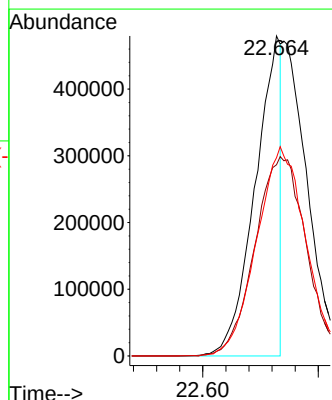
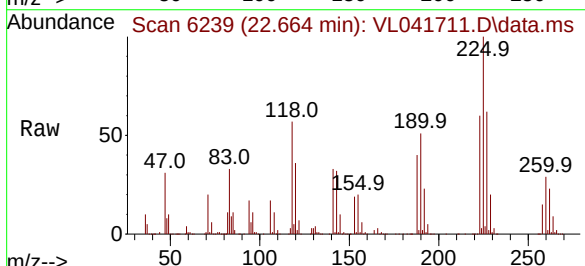
Tgt Ion:225 Resp: 741691

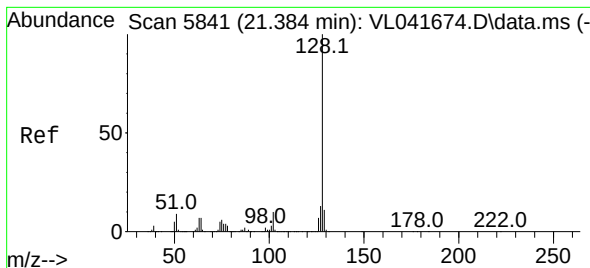
Ion Ratio Lower Upper

225 100

223 125.0 51.1 76.7#

227 125.7 51.3 76.9#





#79

Naphthalene

Concen: 11.628 ppbv

RT: 21.419 min Scan# 5852

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

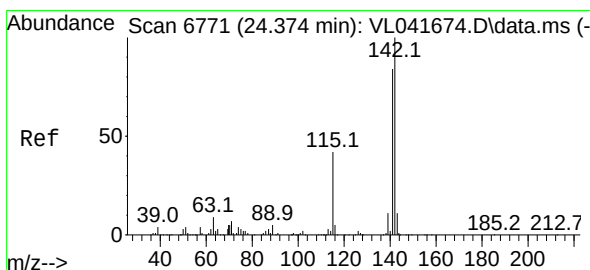
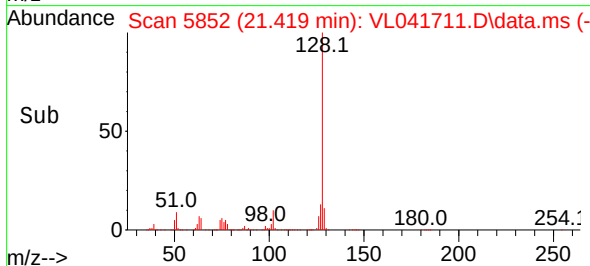
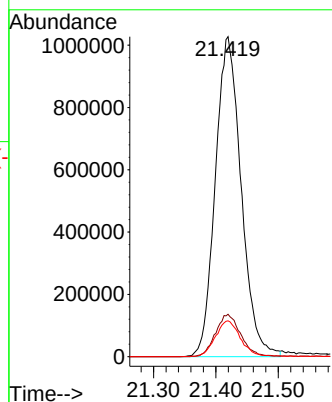
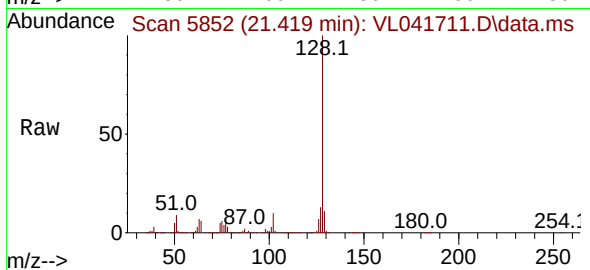
Tgt Ion:128 Resp: 2952462

Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

129 11.2 8.7 13.1



#80

Naphthalene,2-methyl-

Concen: 11.396 ppbv

RT: 24.400 min Scan# 6779

Delta R.T. 0.000 min

Lab File: VL041711.D

Acq: 21 Nov 2024 8:50

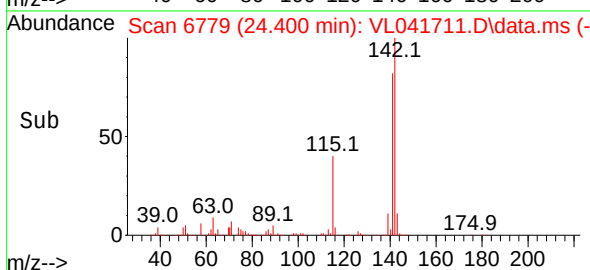
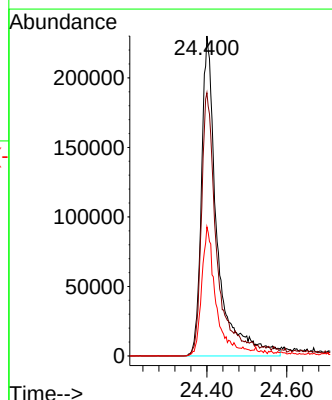
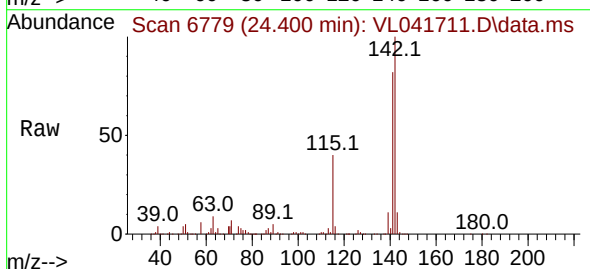
Tgt Ion:142 Resp: 630748

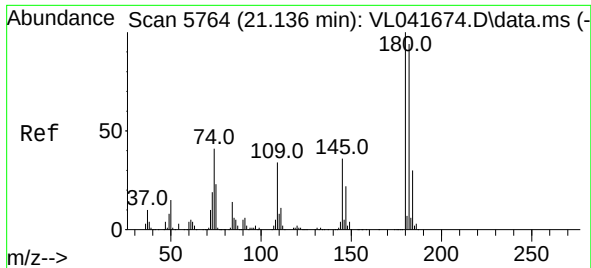
Ion Ratio Lower Upper

142 100

141 84.6 68.1 102.1

115 40.1 33.1 49.7



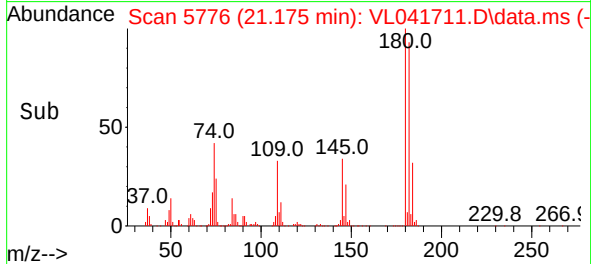
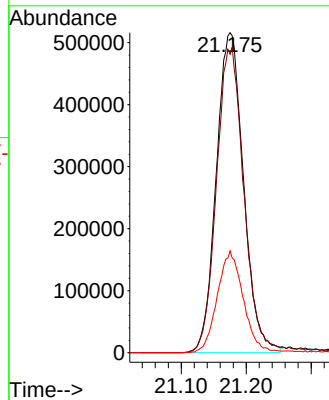
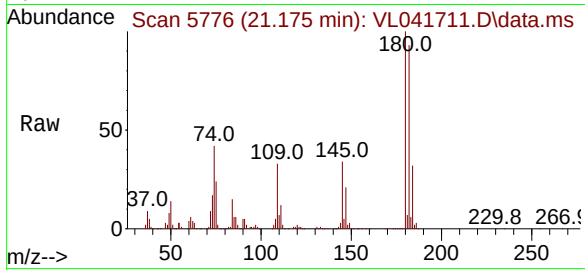


#81
 1,2,4-Trichlorobenzene
 Concen: 9.401 ppbv
 RT: 21.175 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VL041711.D
 Acq: 21 Nov 2024 8:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:180 Resp: 1501117

Ion	Ratio	Lower	Upper
180	100		
182	96.9	78.2	117.2
184	30.6	25.0	37.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112124\
 Data File : VL041713.D
 Acq On : 21 Nov 2024 10:16
 Operator : SY/MD
 Sample : VL1121ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1121ABS01

Quant Time: Nov 22 01:06:55 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Nov 22 01:00:55 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.227	49	1134955	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.687	114	3168983	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.500	117	3594883	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.806	95	2215094	8.363	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.600%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.764	85	1630144	7.947	ppbv	98
3) Chlorodifluoromethane	2.706	51	1285062	8.690	ppbv	99
4) Chloromethane	2.848	50	716415	9.146	ppbv	96
5) Vinyl Chloride	2.954	62	682024	9.680	ppbv	100
6) Bromomethane	3.153	94	304189	8.138	ppbv	98
7) Chloroethane	3.230	64	237287	9.227	ppbv	98
8) Dichlorotetrafluoroethane	2.890	85	1655625	9.041	ppbv	99
9) Propene	2.729	41	588833	9.138	ppbv	100
10) Heptane	7.613	43	1461776	10.124	ppbv	99
11) Trichlorofluoromethane	3.594	101	1648437	9.226	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.099	101	1220108	9.395	ppbv	98
13) Ethanol	3.285	45	8243	2.089	ppbv #	26
14) Bromoethene	3.401	108	483950	9.269	ppbv	98
15) Acetone	3.501	43	1224405	8.766	ppbv	100
16) 1,3-Butadiene	3.018	39	687757	9.758	ppbv	100
17) tert-Butyl alcohol	3.912	59	1149012	9.374	ppbv	100
18) 1,1-Dichloroethene	3.915	96	535425	9.400	ppbv	97
19) Isopropyl Alcohol	3.610	45	625847	9.374	ppbv	100
20) Methylene Chloride	3.967	84	445518	8.668	ppbv	98
21) Allyl Chloride	4.031	41	833062	9.652	ppbv	97
22) trans-1,2-Dichloroethene	4.478	96	536875	9.479	ppbv	100
23) Vinyl Acetate	4.658	43	757071	12.295	ppbv #	97
24) 1,1-Dichloroethane	4.597	63	1176486	9.307	ppbv	99
25) Ethyl Acetate	5.237	43	2679235	9.267	ppbv	99
26) Hexane	5.246	57	1065415	9.591	ppbv	98
27) Carbon Disulfide	4.156	76	1327851	10.640	ppbv	99
28) Methyl tert-Butyl Ether	4.619	73	670312	9.371	ppbv	99
29) Chloroform	5.308	83	1693486	9.236	ppbv	100
30) Cyclohexane	6.635	84	903309	9.550	ppbv	98
31) cis-1,2-Dichloroethene	5.111	61	1042430	9.755	ppbv	99
32) 1,1,1-Trichloroethane	6.037	97	1669061	9.978	ppbv	100
34) 2-Butanone	4.819	43	1417727	8.985	ppbv	99
35) Carbon Tetrachloride	6.529	117	1741838	10.418	ppbv	99
36) Benzene	6.404	78	2312069	9.847	ppbv	100
37) 1,2-Dichloroethane	5.841	62	1284047	9.693	ppbv	99
38) Trichloroethene	7.327	130	1289883	14.303	ppbv	98
39) 1,2-Dichloropropane	7.105	63	891656	9.610	ppbv	97
40) 1,4-Dioxane	7.317	88	363295	10.912	ppbv	90
41) Tetrahydrofuran	5.590	42	934965	10.375	ppbv	99
42) Bromodichloromethane	7.285	83	1839599	9.994	ppbv	99
43) Methyl Methacrylate	7.507	69	901641	10.937	ppbv	99
44) 2,2,4-Trimethylpentane	7.359	57	3894162	9.791	ppbv	100
45) t-1,3-Dichloropropene	8.745	75	748133	9.931	ppbv	99

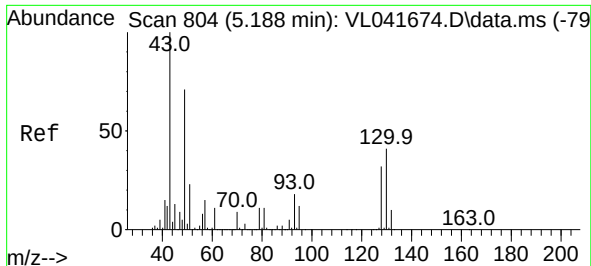
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 Acq On : 21 Nov 2024 10:16
 Operator : SY/MD
 Sample : VL1121ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1121ABS01

Quant Time: Nov 22 01:06:55 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Nov 22 01:00:55 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.179	75	1103972	10.203	ppbv	98
47) 1,1,2-Trichloroethane	8.934	97	949123	9.451	ppbv	98
48) Dibromochloromethane	9.745	129	1553797	10.178	ppbv	100
49) Bromoform	12.439	173	1365111	10.451	ppbv	100
50) 4-Methyl-2-Pentanone	8.214	43	2511109	10.366	ppbv	100
51) 2-Hexanone	9.584	43	1968115	11.157	ppbv	100
52) Tetrachloroethene	10.648	164	833665	10.419	ppbv	97
53) Toluene	9.253	91	2633054	10.664	ppbv	99
54) 1,2-Dibromoethane	10.040	107	1247128	10.629	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.542	131	1158400	7.813	ppbv	100
57) Chlorobenzene	11.561	112	2078199	7.816	ppbv	99
58) Ethyl Benzene	12.121	91	3565857	9.048	ppbv	98
59) m/p-Xylene	12.404	91	3175161	8.997	ppbv #	36
60) o-Xylene	13.089	91	2972199	8.832	ppbv	99
61) Styrene	12.931	104	1410360	10.154	ppbv	100
62) Isopropylbenzene	14.060	105	4263154	8.202	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.079	83	1179536	4.765	ppbv	99
64) n-propylbenzene	14.947	120	1146628	8.427	ppbv	99
65) tert-Butylbenzene	16.121	119	3836581	8.213	ppbv	100
66) Benzyl Chloride	16.359	91	179175	4.986	ppbv	96
67) sec-Butylbenzene	16.664	105	5364091	8.147	ppbv	100
69) p-Isopropyltoluene	17.027	119	4458745	8.377	ppbv	100
70) n-Butylbenzene	17.918	91	4604740	8.455	ppbv	100
71) 2-Chlorotoluene	14.835	91	3223209	8.579	ppbv	99
72) 4-Ethyltoluene	15.224	105	3514757	8.983	ppbv	99
73) 1,3,5-Trimethylbenzene	15.381	105	2999740	8.737	ppbv	100
74) 1,2,4-Trimethylbenzene	16.140	105	3320988	8.327	ppbv	97
75) 1,3-Dichlorobenzene	16.362	146	2028386	8.212	ppbv	100
76) 1,4-Dichlorobenzene	16.506	146	1989769	8.350	ppbv	99
77) 1,2-Dichlorobenzene	17.175	146	1974338	8.069	ppbv	99
78) Hexachloro-1,3-Butadiene	22.670	225	1371815	7.089	ppbv	99
79) Naphthalene	21.419	128	2632672	10.695	ppbv	99
80) Naphthalene,2-methyl-	24.403	142	1177283	21.939	ppbv	96
81) 1,2,4-Trichlorobenzene	21.182	180	562756	3.635	ppbv #	5

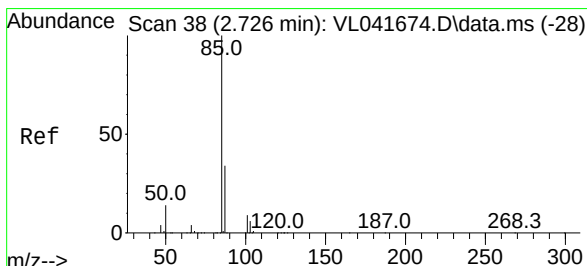
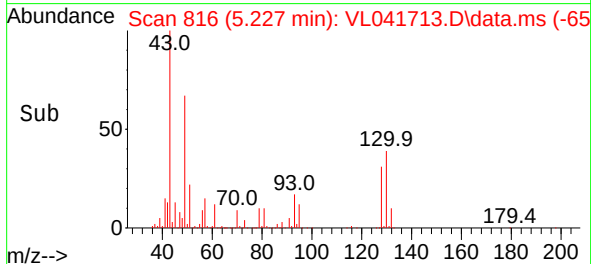
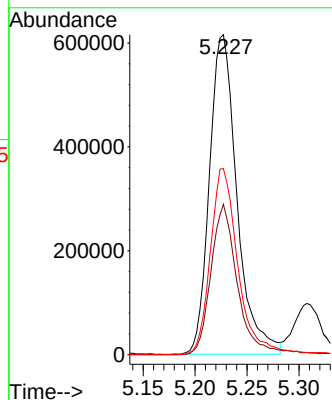
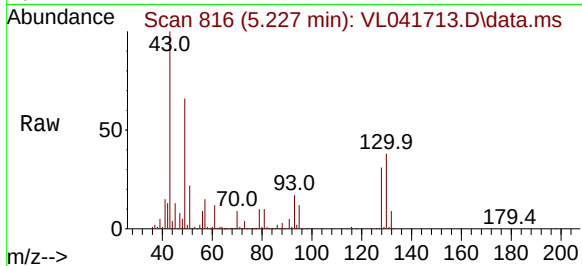
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.227 min Scan# 81
 Delta R.T. 0.006 min
 Lab File: VL041713.D
 Acq: 21 Nov 2024 10:16

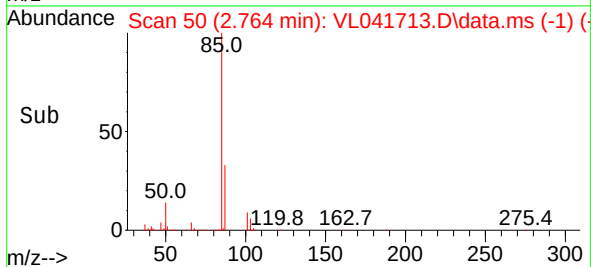
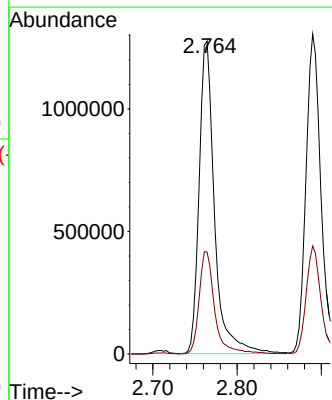
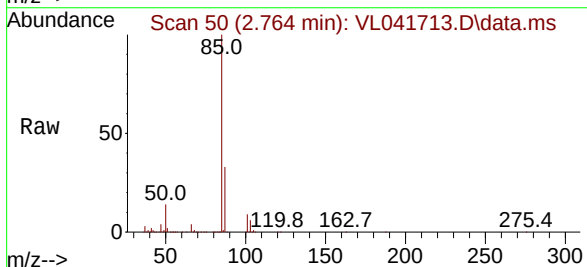
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1121ABS01

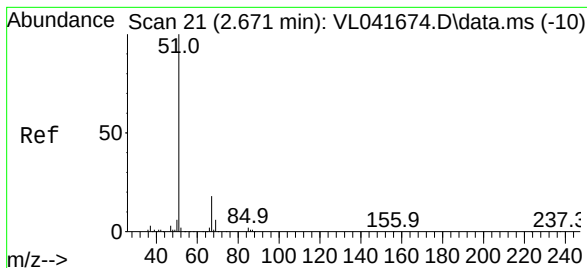
Tgt Ion: 49 Resp: 1134955
 Ion Ratio Lower Upper
 49 100
 128 46.2 23.8 71.2
 130 59.4 30.1 90.5



#2
 Dichlorodifluoromethane
 Concen: 7.947 ppbv
 RT: 2.764 min Scan# 50
 Delta R.T. 0.006 min
 Lab File: VL041713.D
 Acq: 21 Nov 2024 10:16

Tgt Ion: 85 Resp: 1630144
 Ion Ratio Lower Upper
 85 100
 87 32.6 26.8 40.2





#3

Chlorodifluoromethane

Concen: 8.690 ppbv

RT: 2.706 min Scan# 31

Delta R.T. 0.003 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Instrument :

MSVOA_1

ClientSampleId :

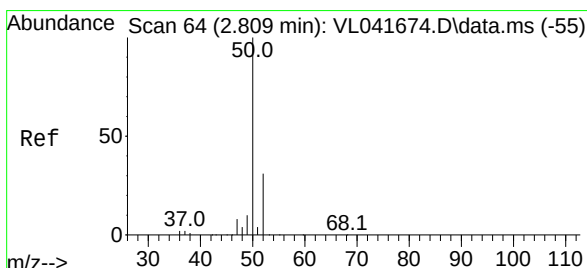
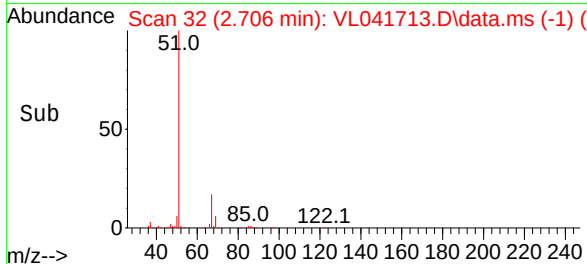
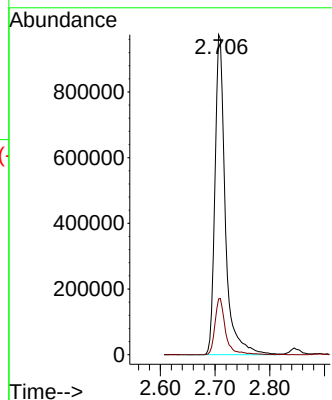
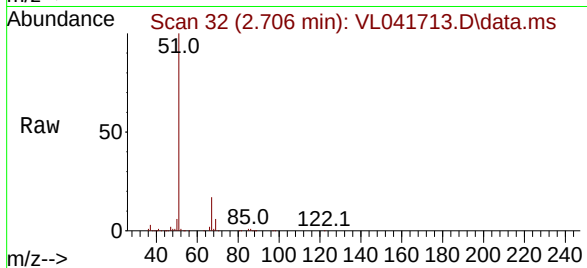
VL1121ABS01

Tgt Ion: 51 Resp: 1285062

Ion Ratio Lower Upper

51 100

67 18.0 13.9 20.9



#4

Chloromethane

Concen: 9.146 ppbv

RT: 2.848 min Scan# 76

Delta R.T. 0.006 min

Lab File: VL041713.D

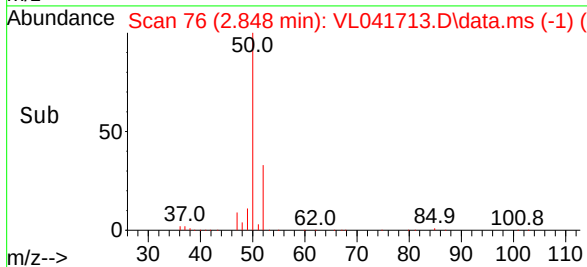
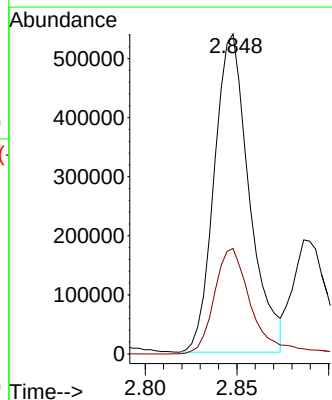
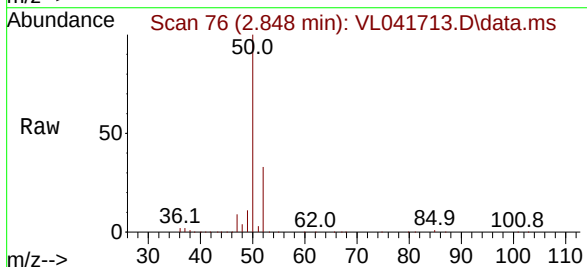
Acq: 21 Nov 2024 10:16

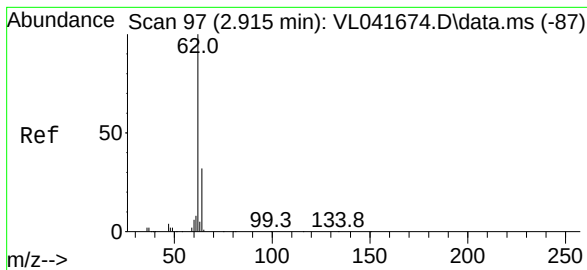
Tgt Ion: 50 Resp: 716415

Ion Ratio Lower Upper

50 100

52 33.2 24.9 37.3

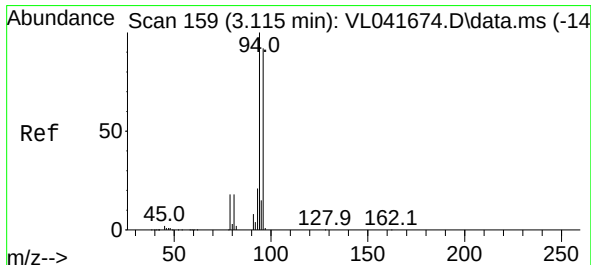
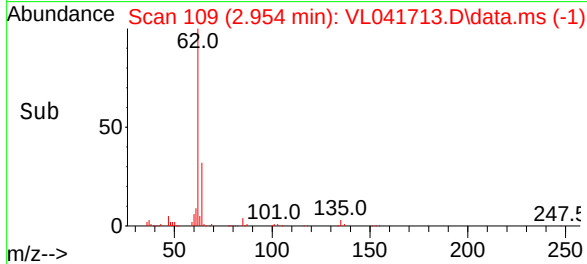
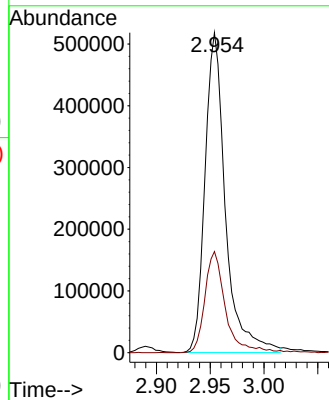
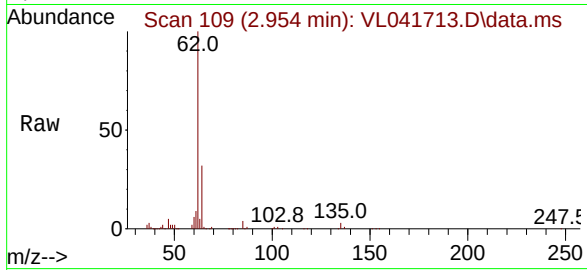




#5
 Vinyl Chloride
 Concen: 9.680 ppbv
 RT: 2.954 min Scan# 109
 Delta R.T. 0.006 min
 Lab File: VL041713.D
 Acq: 21 Nov 2024 10:16

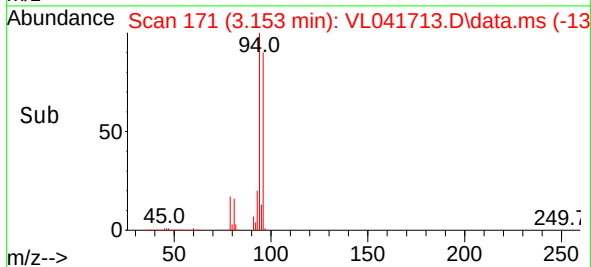
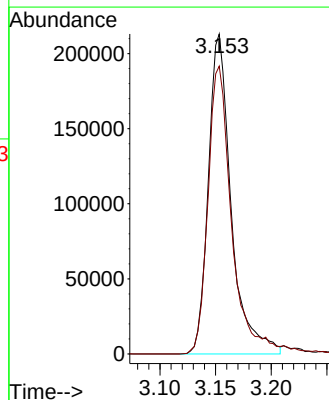
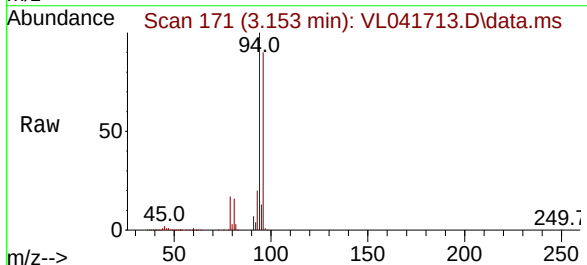
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1121ABS01

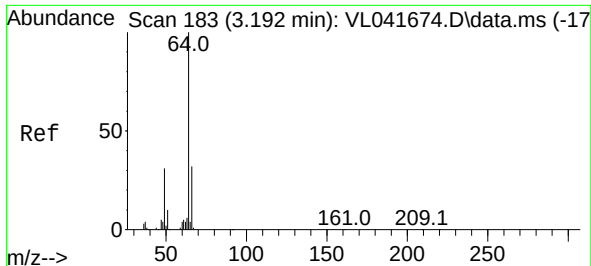
Tgt Ion: 62 Resp: 682024
 Ion Ratio Lower Upper
 62 100
 64 31.6 25.4 38.2



#6
 Bromomethane
 Concen: 8.138 ppbv
 RT: 3.153 min Scan# 171
 Delta R.T. 0.006 min
 Lab File: VL041713.D
 Acq: 21 Nov 2024 10:16

Tgt Ion: 94 Resp: 304189
 Ion Ratio Lower Upper
 94 100
 96 90.0 73.4 110.2

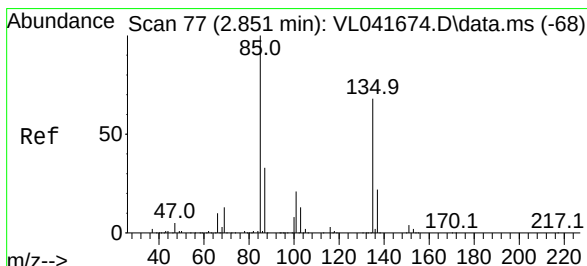
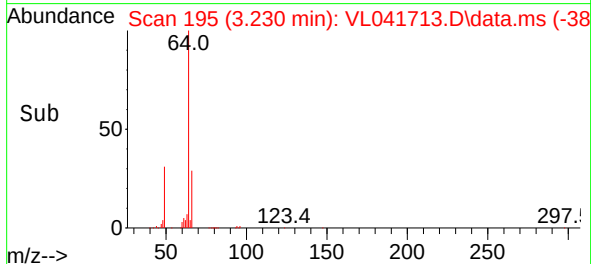
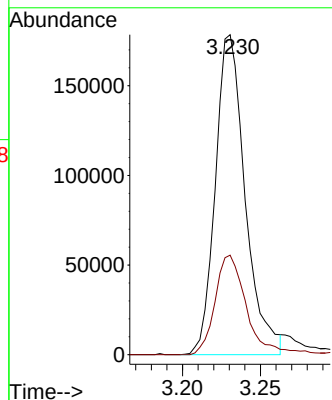
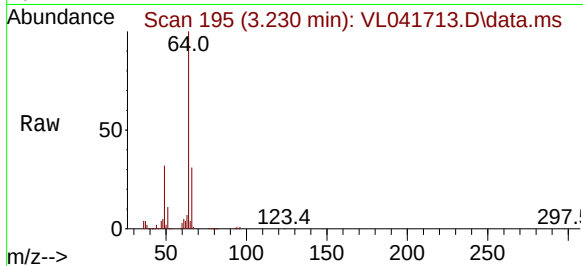




#7
Chloroethane
Concen: 9.227 ppbv
RT: 3.230 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

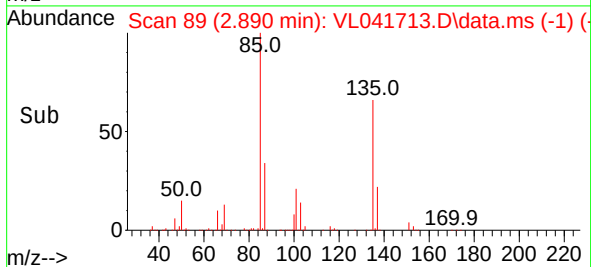
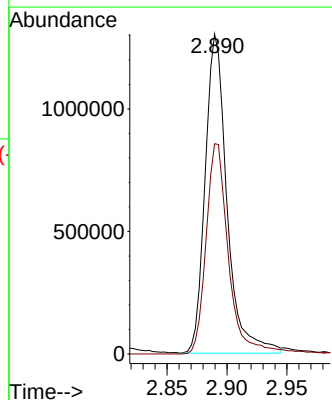
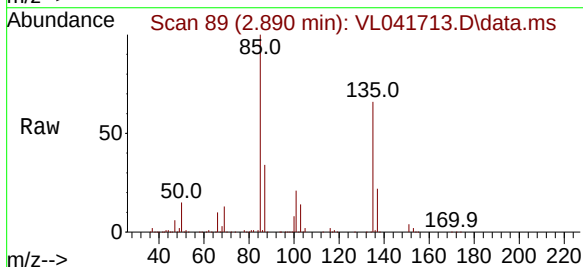
Instrument :
MSVOA_L
ClientSampleId :
VL1121ABS01

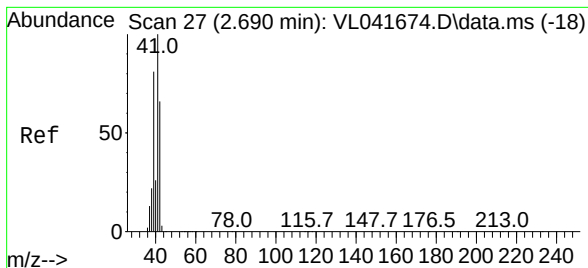
Tgt Ion: 64 Resp: 237287
Ion Ratio Lower Upper
64 100
66 31.1 25.9 38.9



#8
Dichlorotetrafluoroethane
Concen: 9.041 ppbv
RT: 2.890 min Scan# 89
Delta R.T. 0.006 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

Tgt Ion: 85 Resp: 1655625
Ion Ratio Lower Upper
85 100
135 68.5 55.5 83.3





#9

Propene

Concen: 9.138 ppbv

RT: 2.729 min Scan# 30

Delta R.T. 0.006 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Instrument :

MSVOA_L

ClientSampleId :

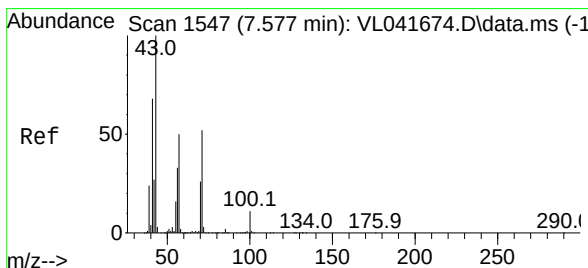
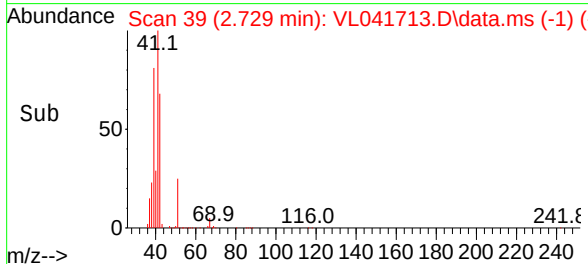
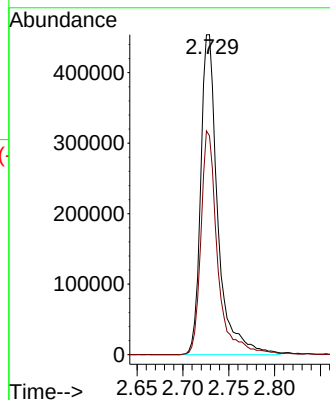
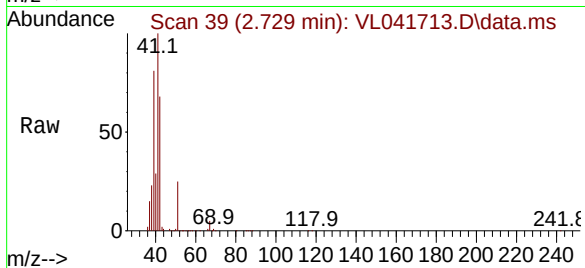
VL1121ABS01

Tgt Ion: 41 Resp: 588833

Ion Ratio Lower Upper

41 100

42 68.8 55.0 82.4



#10

Heptane

Concen: 10.124 ppbv

RT: 7.613 min Scan# 1558

Delta R.T. 0.003 min

Lab File: VL041713.D

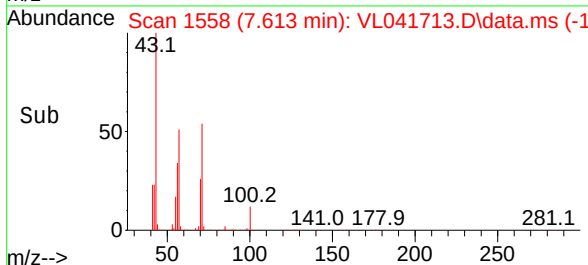
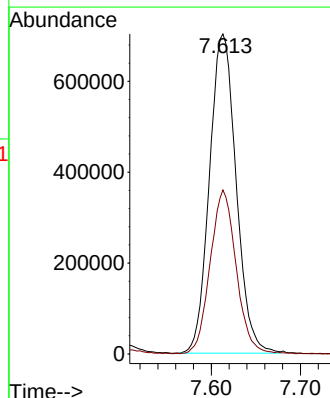
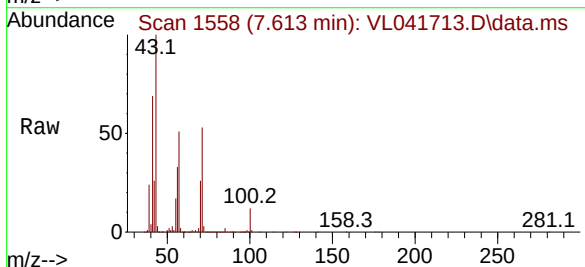
Acq: 21 Nov 2024 10:16

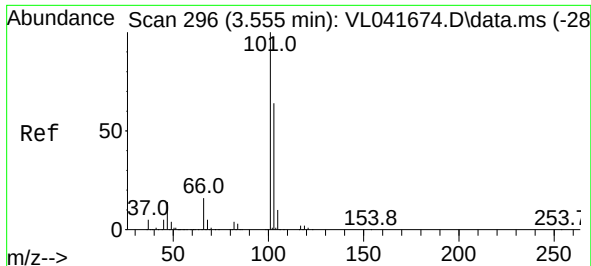
Tgt Ion: 43 Resp: 1461776

Ion Ratio Lower Upper

43 100

57 50.4 40.0 60.0

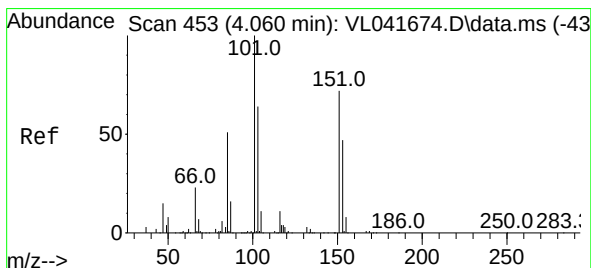
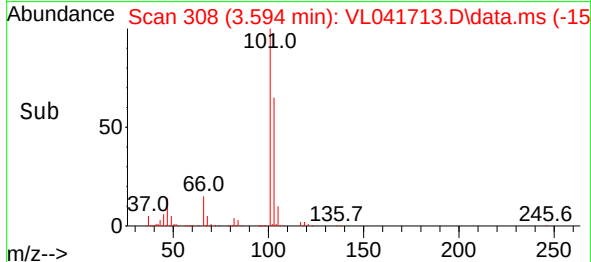
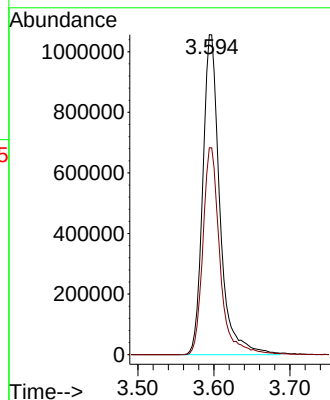
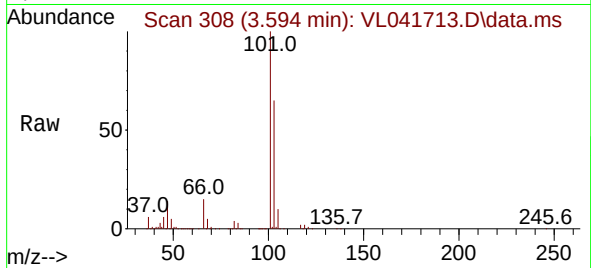




#11
Trichlorofluoromethane
Concen: 9.226 ppbv
RT: 3.594 min Scan# 308
Delta R.T. 0.003 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

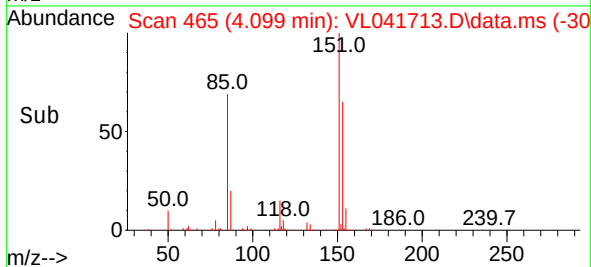
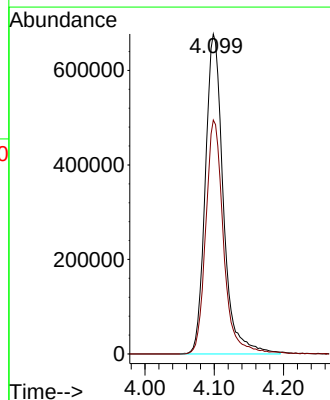
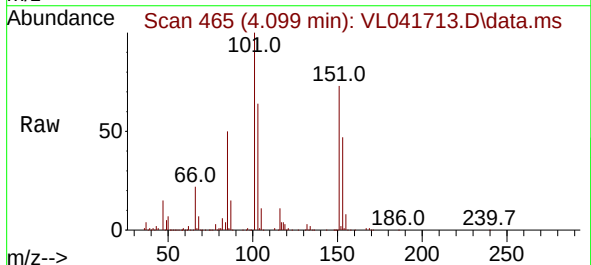
Instrument :
MSVOA_L
ClientSampleId :
VL1121ABS01

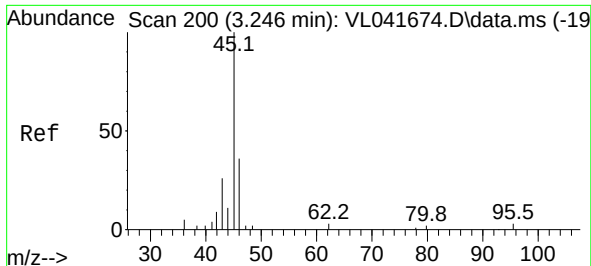
Tgt Ion:101 Resp: 1648437
Ion Ratio Lower Upper
101 100
103 64.7 51.0 76.6



#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.395 ppbv
RT: 4.099 min Scan# 465
Delta R.T. 0.003 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

Tgt Ion:101 Resp: 1220108
Ion Ratio Lower Upper
101 100
151 72.5 59.1 88.7





#13

Ethanol

Concen: 2.089 ppbv

RT: 3.285 min Scan# 212

Delta R.T. 0.010 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Instrument :

MSVOA_L

ClientSampleId :

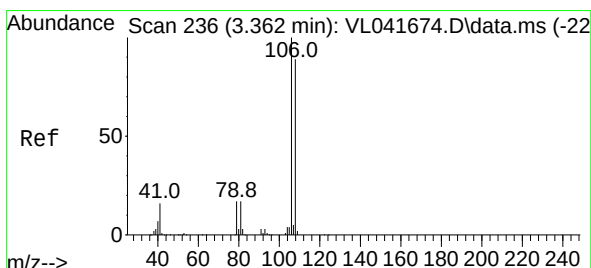
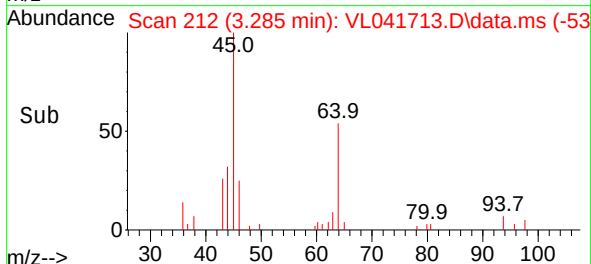
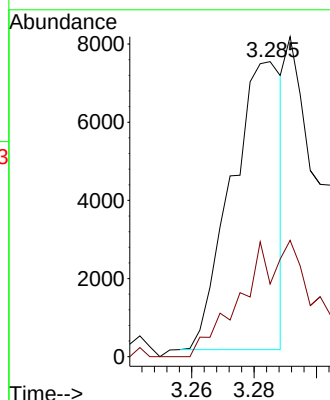
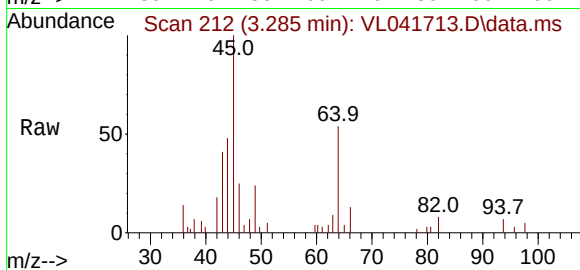
VL1121ABS01

Tgt Ion: 45 Resp: 8243

Ion Ratio Lower Upper

45 100

46 77.4 13.8 55.2#



#14

Bromoethene

Concen: 9.269 ppbv

RT: 3.401 min Scan# 248

Delta R.T. 0.006 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

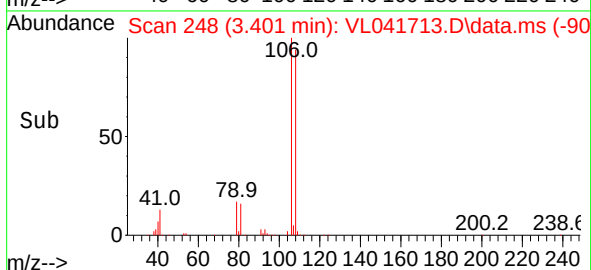
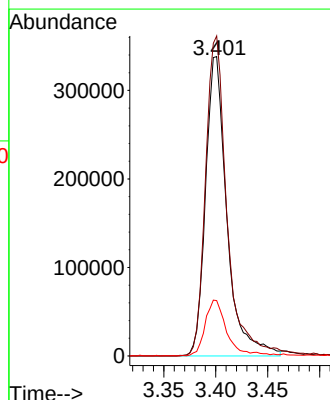
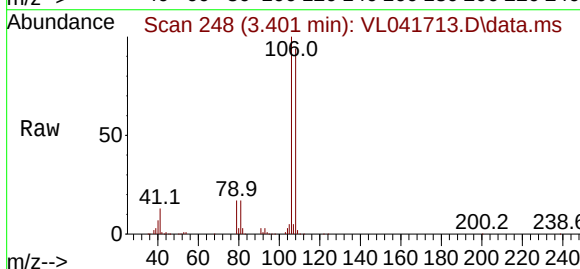
Tgt Ion:108 Resp: 483950

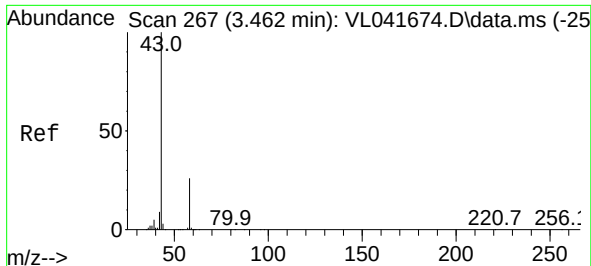
Ion Ratio Lower Upper

108 100

106 108.8 88.6 133.0

79 19.3 15.6 23.4

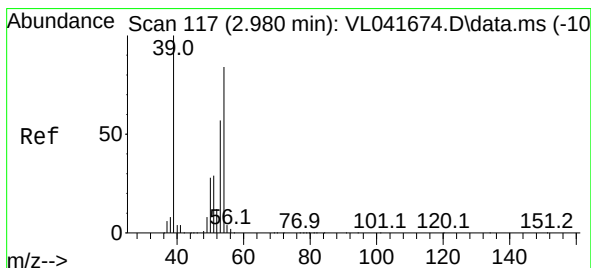
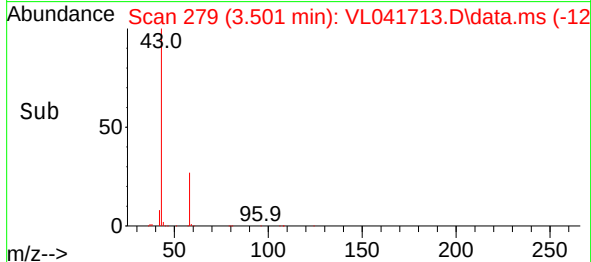
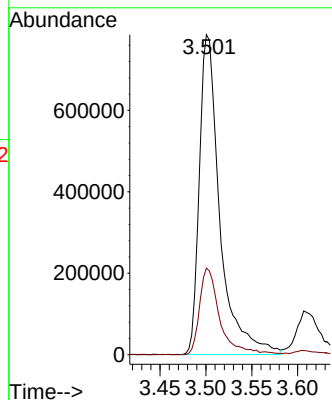
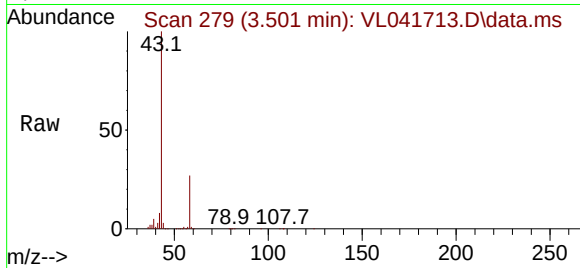




#15
Acetone
Concen: 8.766 ppbv
RT: 3.501 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

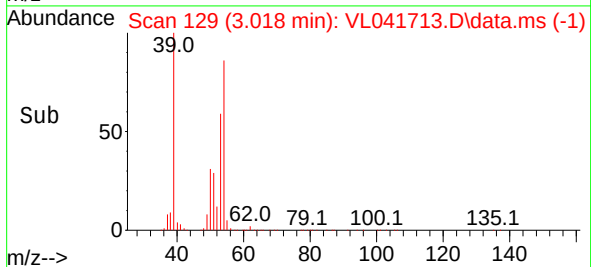
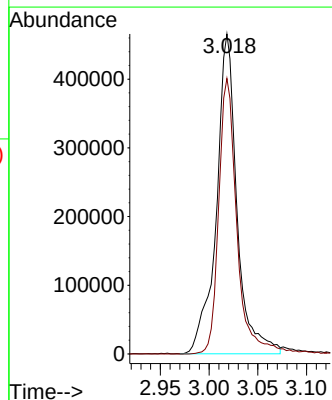
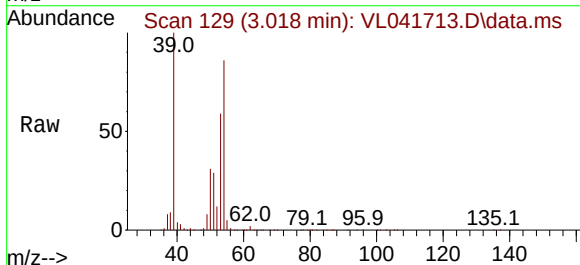
Instrument :
MSVOA_L
ClientSampleId :
VL1121ABS01

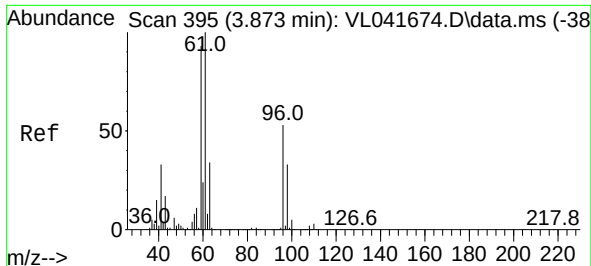
Tgt Ion: 43 Resp: 1224405
Ion Ratio Lower Upper
43 100
58 26.9 21.4 32.0



#16
1,3-Butadiene
Concen: 9.758 ppbv
RT: 3.018 min Scan# 129
Delta R.T. 0.006 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

Tgt Ion: 39 Resp: 687757
Ion Ratio Lower Upper
39 100
54 76.8 61.3 91.9





#17

tert-Butyl alcohol

Concen: 9.374 ppbv

RT: 3.912 min Scan# 407

Delta R.T. 0.006 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Instrument :

MSVOA_L

ClientSampleId :

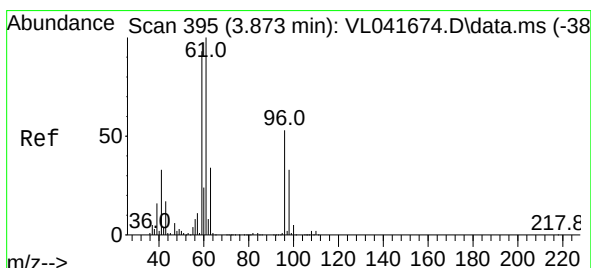
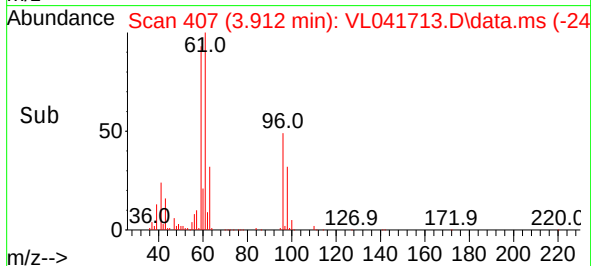
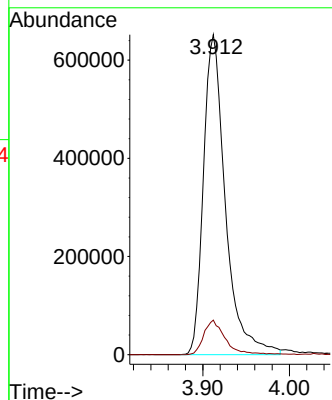
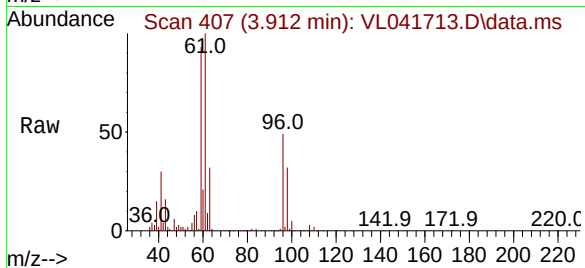
VL1121ABS01

Tgt Ion: 59 Resp: 1149012

Ion Ratio Lower Upper

59 100

57 10.7 8.5 12.7



#18

1,1-Dichloroethene

Concen: 9.400 ppbv

RT: 3.915 min Scan# 408

Delta R.T. 0.006 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

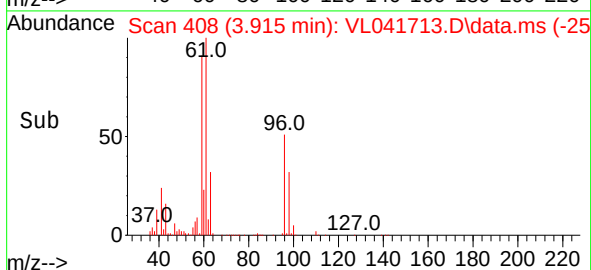
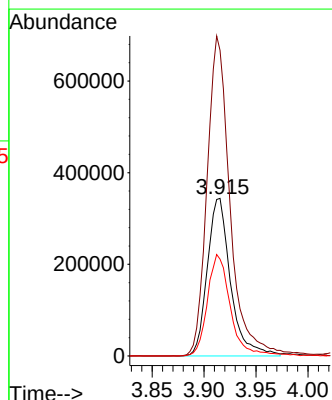
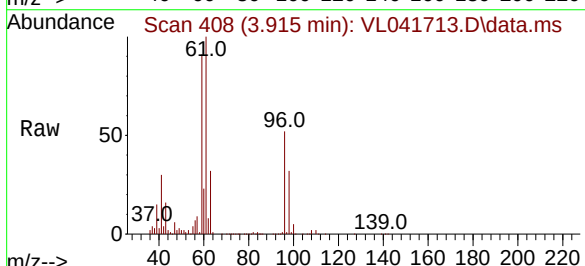
Tgt Ion: 96 Resp: 535425

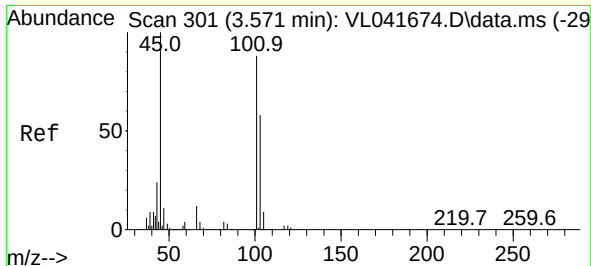
Ion Ratio Lower Upper

96 100

61 193.9 150.7 226.1

98 61.4 49.4 74.2





#19

Isopropyl Alcohol

Concen: 9.374 ppbv

RT: 3.610 min Scan# 313

Delta R.T. 0.006 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Instrument :

MSVOA_L

ClientSampleId :

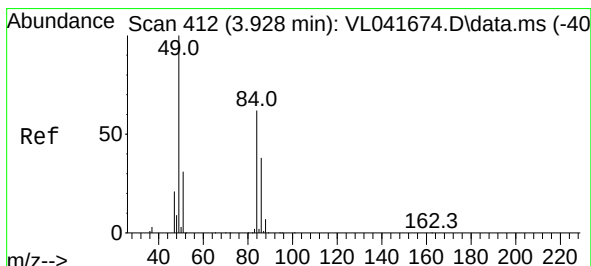
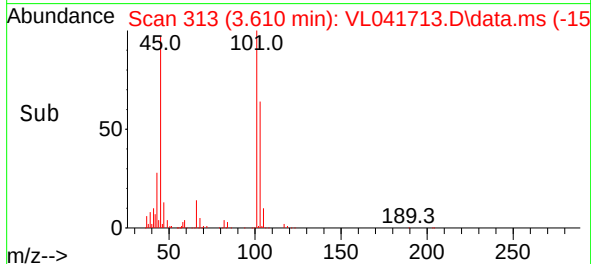
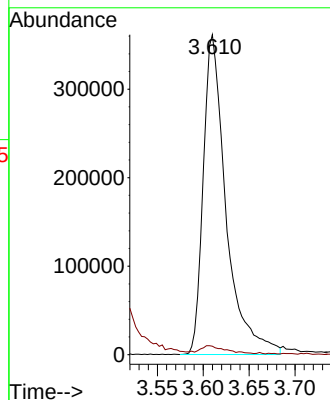
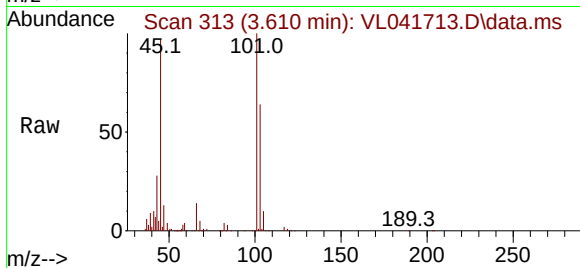
VL1121ABS01

Tgt Ion: 45 Resp: 625847

Ion Ratio Lower Upper

45 100

58 3.0 2.5 3.7



#20

Methylene Chloride

Concen: 8.668 ppbv

RT: 3.967 min Scan# 424

Delta R.T. 0.006 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Tgt Ion: 84 Resp: 445518

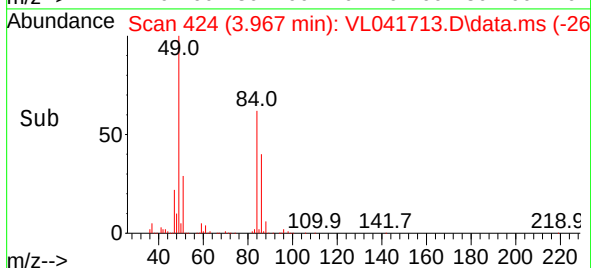
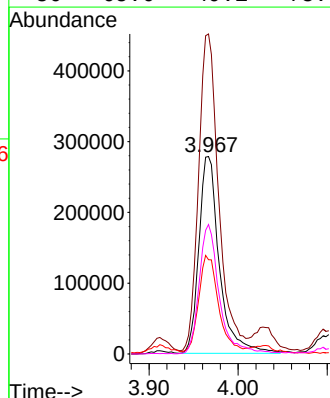
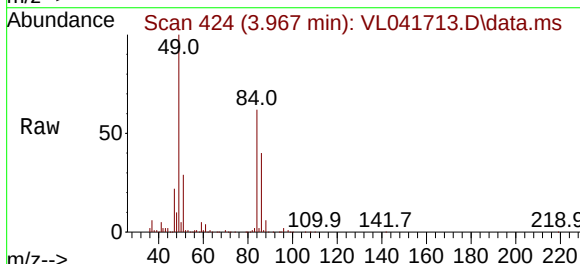
Ion Ratio Lower Upper

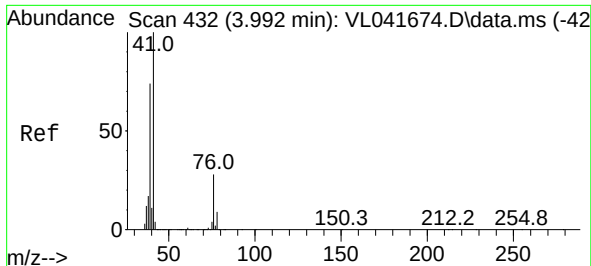
84 100

49 161.0 129.7 194.5

51 46.7 39.8 59.6

86 65.6 49.1 73.7





#21

Allyl Chloride

Concen: 9.652 ppbv

RT: 4.031 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Instrument :

MSVOA_L

ClientSampleId :

VL1121ABS01

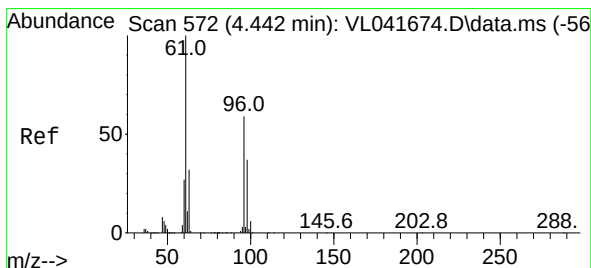
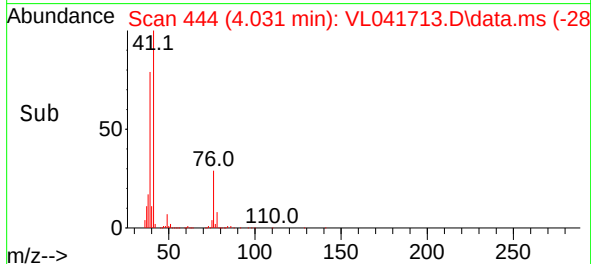
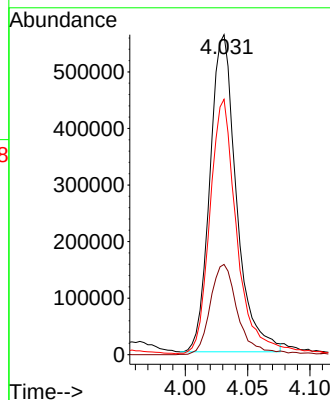
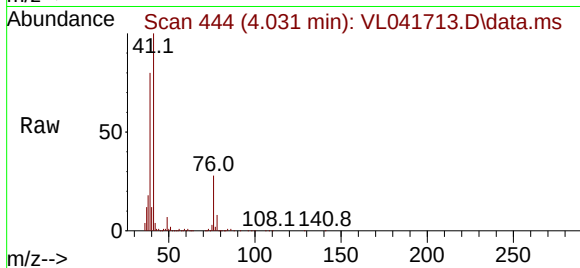
Tgt Ion: 41 Resp: 833062

Ion Ratio Lower Upper

41 100

76 30.0 23.5 35.3

39 82.1 63.0 94.4



#22

trans-1,2-Dichloroethene

Concen: 9.479 ppbv

RT: 4.478 min Scan# 583

Delta R.T. 0.003 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

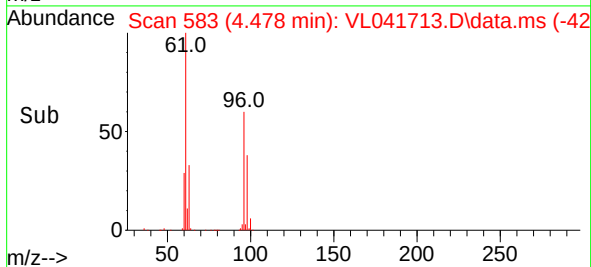
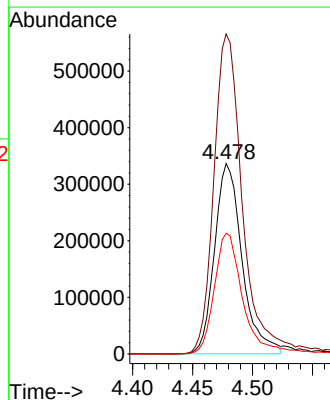
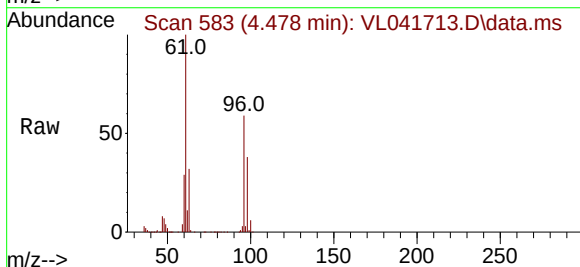
Tgt Ion: 96 Resp: 536875

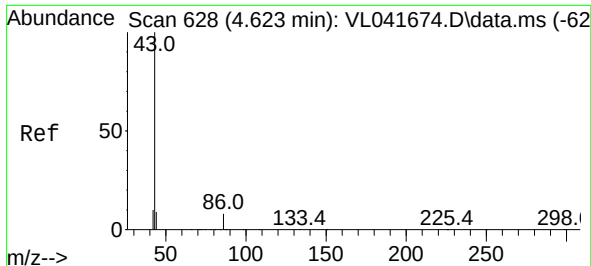
Ion Ratio Lower Upper

96 100

61 168.2 134.5 201.7

98 63.2 49.6 74.4





#23

Vinyl Acetate

Concen: 12.295 ppbv

RT: 4.658 min Scan# 61

Delta R.T. 0.003 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Instrument :

MSVOA_L

ClientSampleId :

VL1121ABS01

Tgt Ion: 43 Resp: 757071

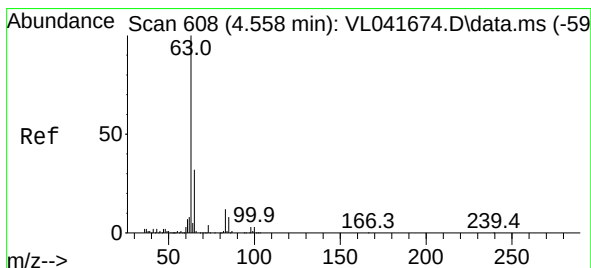
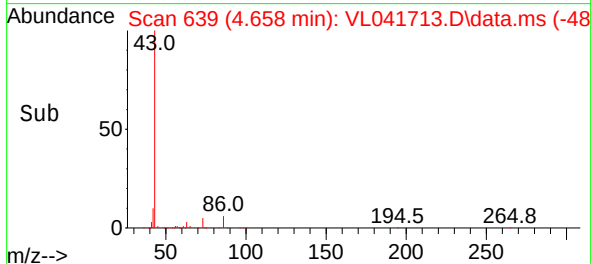
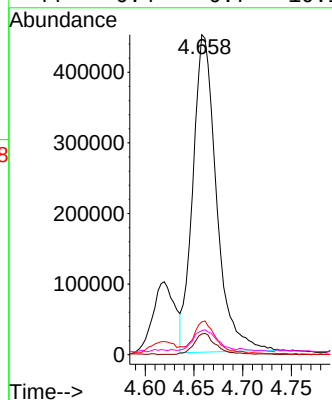
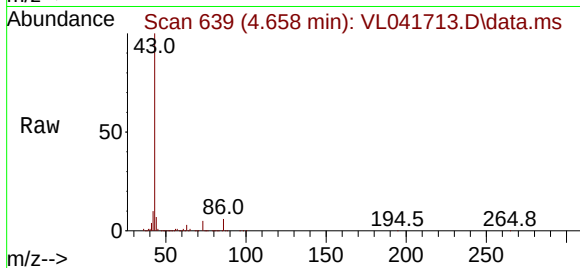
Ion Ratio Lower Upper

43 100

86 6.5 5.3 7.9

42 10.1 8.5 12.7

44 6.4 6.7 10.1#



#24

1,1-Dichloroethane

Concen: 9.307 ppbv

RT: 4.597 min Scan# 620

Delta R.T. 0.003 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

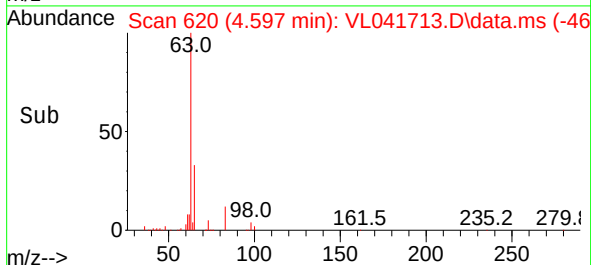
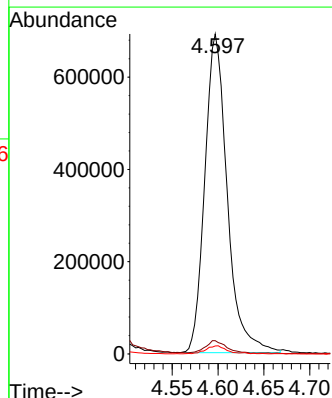
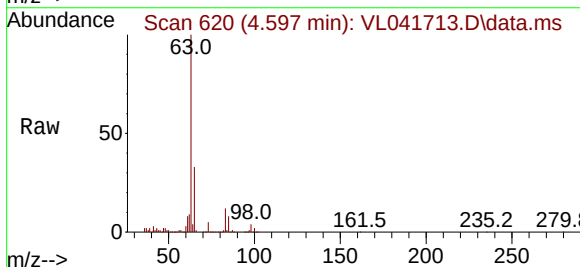
Tgt Ion: 63 Resp: 1176486

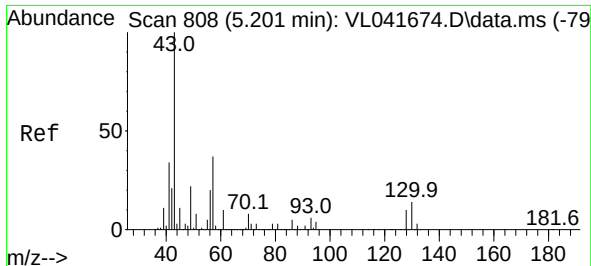
Ion Ratio Lower Upper

63 100

98 4.0 1.8 5.4

100 2.4 1.4 4.2





#25

Ethyl Acetate

Concen: 9.267 ppbv

RT: 5.237 min Scan# 819

Delta R.T. 0.003 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Instrument :

MSVOA_L

ClientSampleId :

VL1121ABS01

Tgt Ion: 43 Resp: 2679235

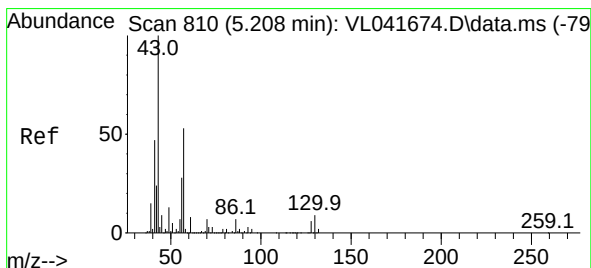
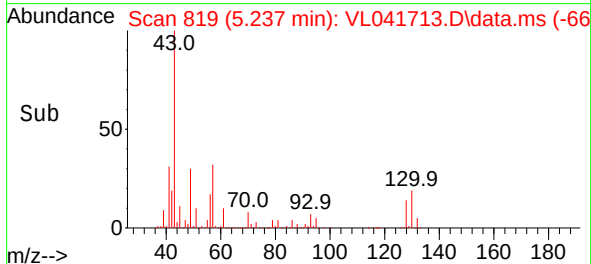
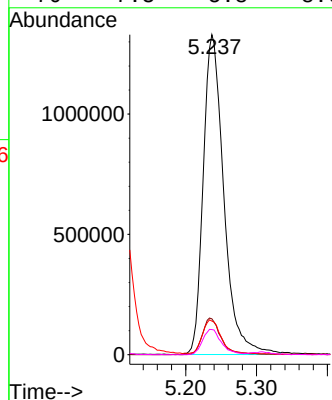
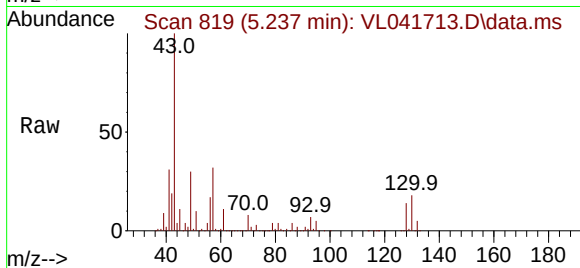
Ion Ratio Lower Upper

43 100

45 10.5 8.6 13.0

61 10.1 8.4 12.6

70 7.3 5.8 8.6



#26

Hexane

Concen: 9.591 ppbv

RT: 5.246 min Scan# 822

Delta R.T. 0.003 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Tgt Ion: 57 Resp: 1065415

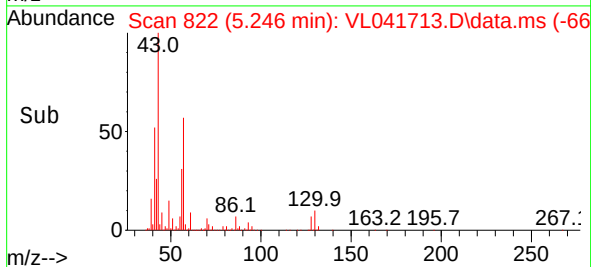
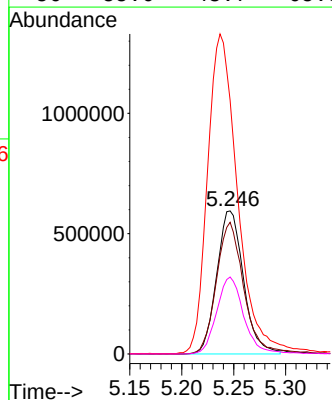
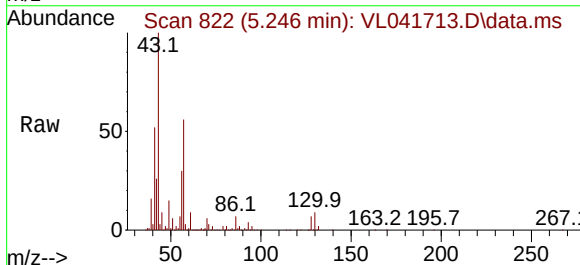
Ion Ratio Lower Upper

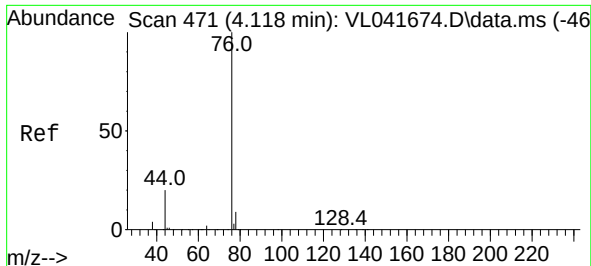
57 100

41 95.7 76.1 114.1

43 252.9 207.0 310.6

56 55.0 43.7 65.5

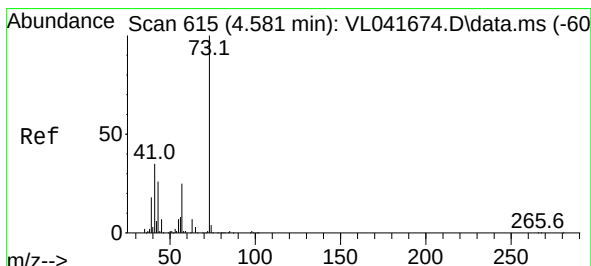
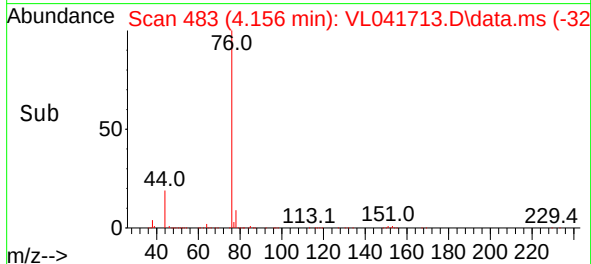
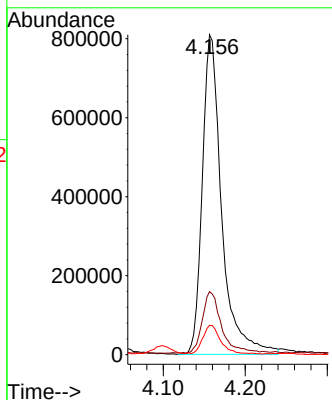
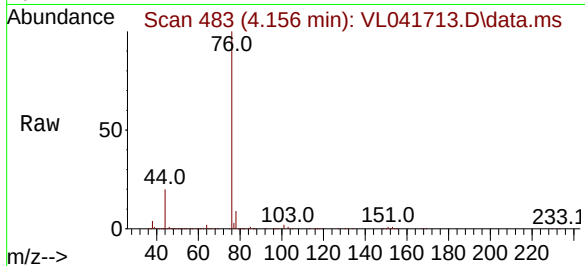




#27
Carbon Disulfide
Concen: 10.640 ppbv
RT: 4.156 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

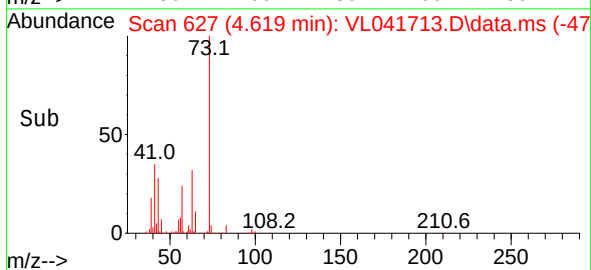
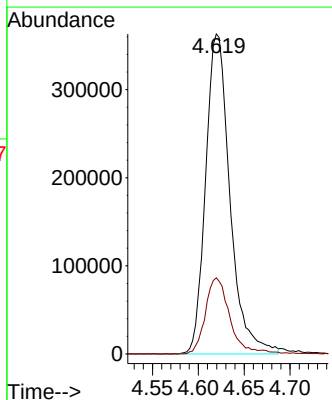
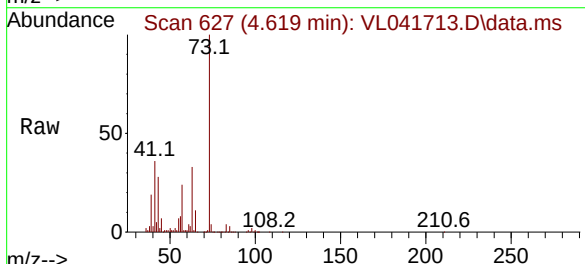
Instrument :
MSVOA_1
ClientSampleId :
VL1121ABS01

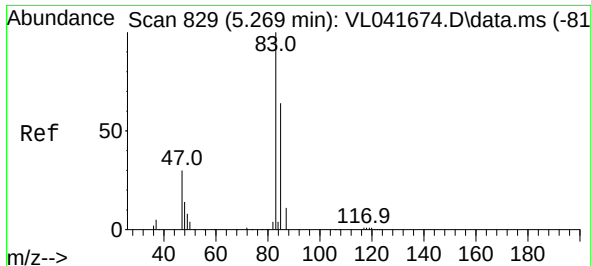
Tgt Ion: 76 Resp: 1327851
Ion Ratio Lower Upper
76 100
44 19.4 15.8 23.8
78 9.2 7.5 11.3



#28
Methyl tert-Butyl Ether
Concen: 9.371 ppbv
RT: 4.619 min Scan# 627
Delta R.T. 0.003 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

Tgt Ion: 73 Resp: 670312
Ion Ratio Lower Upper
73 100
57 24.2 19.6 29.4





#29

Chloroform

Concen: 9.236 ppbv

RT: 5.308 min Scan# 841

Delta R.T. 0.000 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Instrument :

MSVOA_1

ClientSampleId :

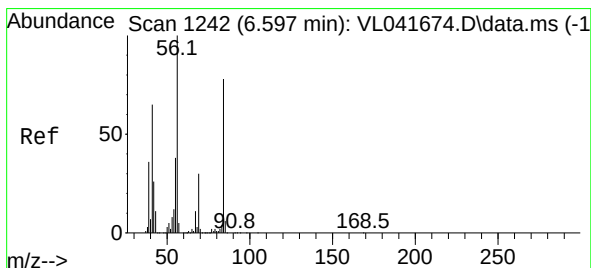
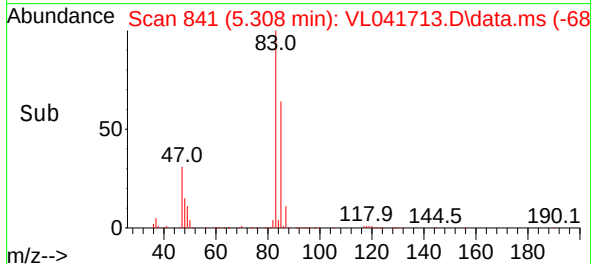
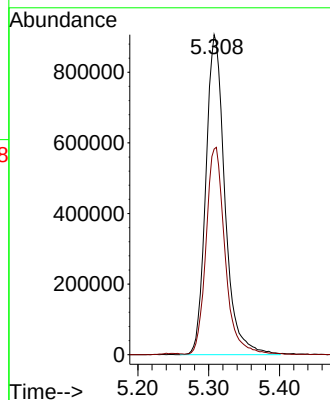
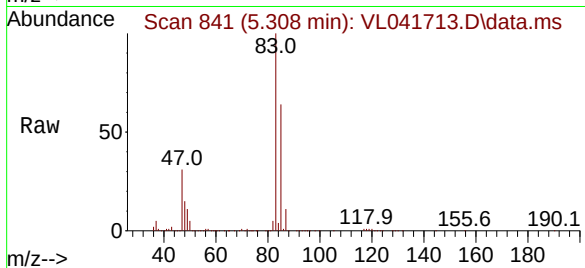
VL1121ABS01

Tgt Ion: 83 Resp: 1693486

Ion Ratio Lower Upper

83 100

85 64.0 51.1 76.7



#30

Cyclohexane

Concen: 9.550 ppbv

RT: 6.635 min Scan# 1254

Delta R.T. 0.003 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

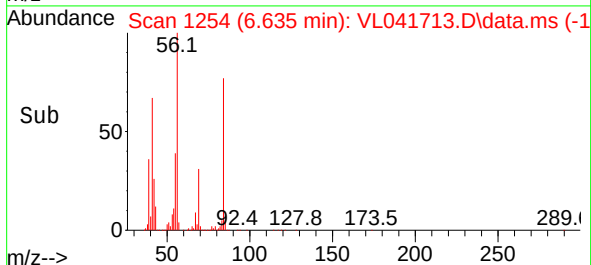
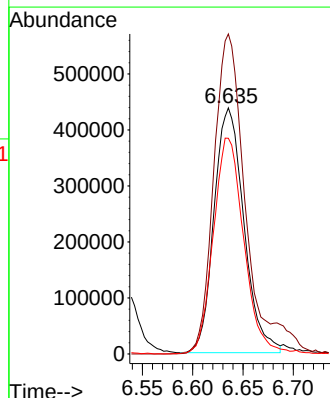
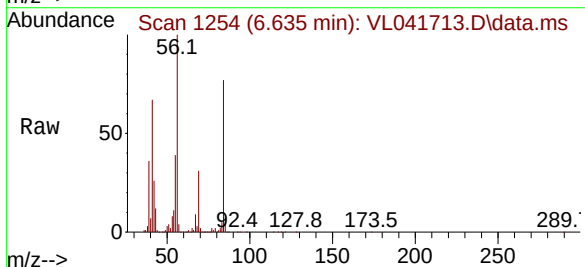
Tgt Ion: 84 Resp: 903309

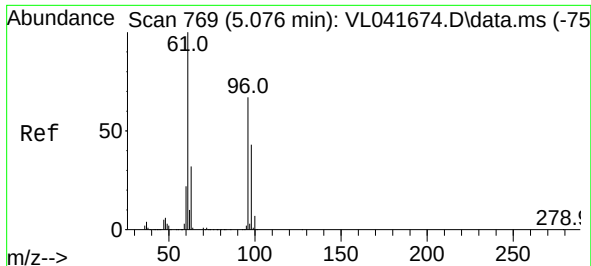
Ion Ratio Lower Upper

84 100

56 140.7 110.8 166.2

41 90.5 70.0 105.0

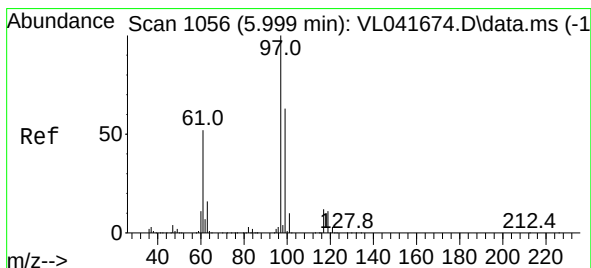
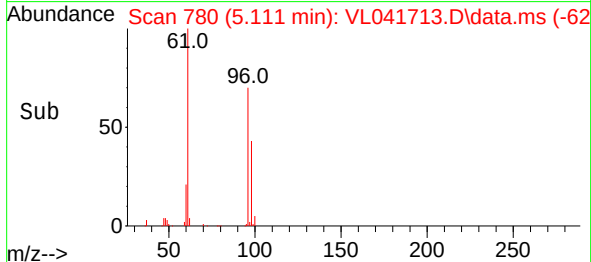
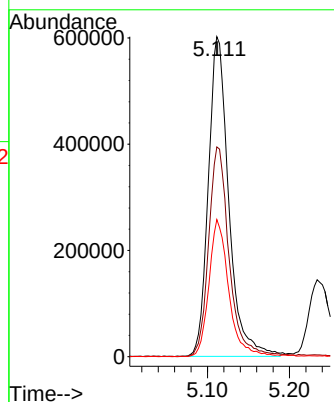
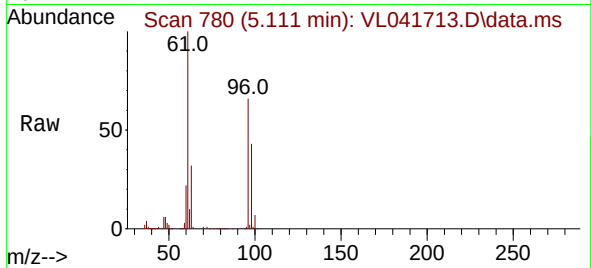




#31
 cis-1,2-Dichloroethene
 Concen: 9.755 ppbv
 RT: 5.111 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VL041713.D
 Acq: 21 Nov 2024 10:16

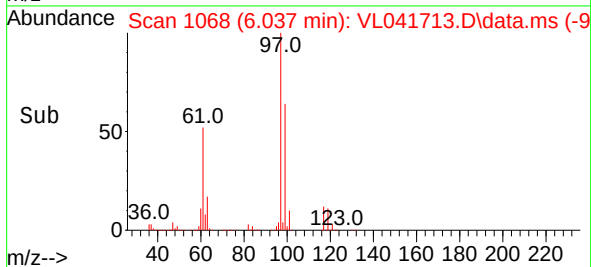
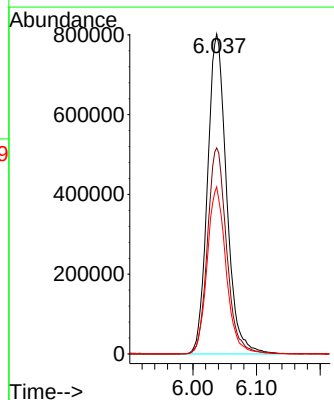
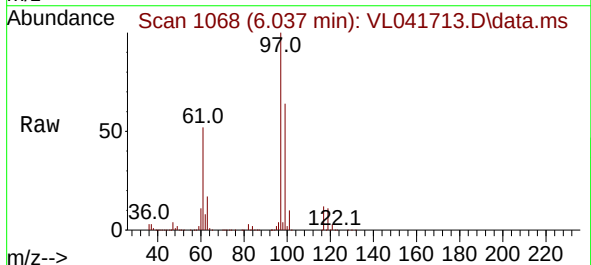
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1121ABS01

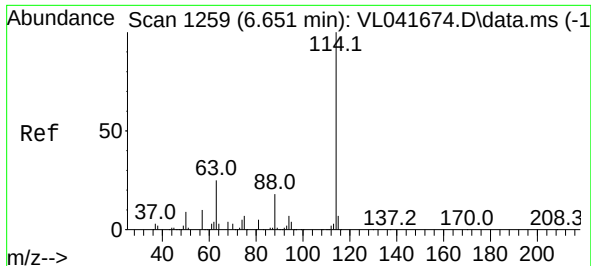
Tgt Ion: 61 Resp: 1042430
 Ion Ratio Lower Upper
 61 100
 96 65.6 53.4 80.2
 98 42.8 34.0 51.0



#32
 1,1,1-Trichloroethane
 Concen: 9.978 ppbv
 RT: 6.037 min Scan# 1068
 Delta R.T. 0.003 min
 Lab File: VL041713.D
 Acq: 21 Nov 2024 10:16

Tgt Ion: 97 Resp: 1669061
 Ion Ratio Lower Upper
 97 100
 99 64.7 51.4 77.2
 61 52.1 41.7 62.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.687 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Instrument :

MSVOA_L

ClientSampleId :

VL1121ABS01

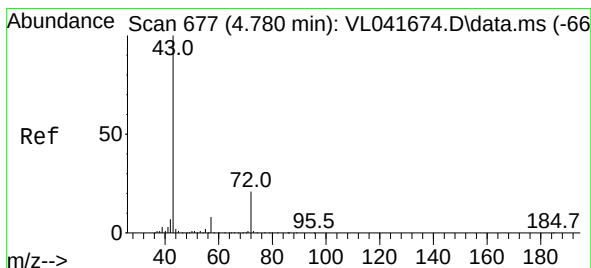
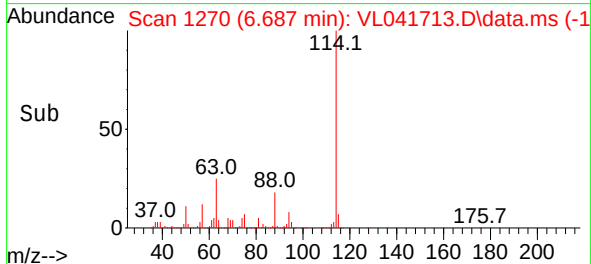
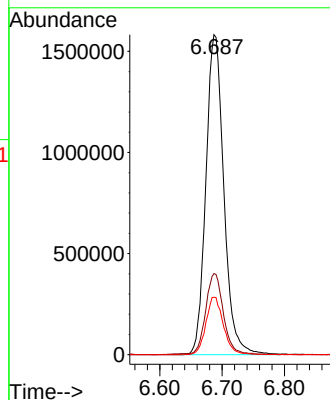
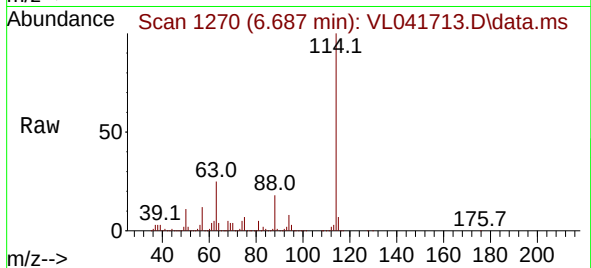
Tgt Ion:114 Resp: 3168983

Ion Ratio Lower Upper

114 100

63 25.4 20.3 30.5

88 17.6 14.2 21.4



#34

2-Butanone

Concen: 8.985 ppbv

RT: 4.819 min Scan# 689

Delta R.T. 0.003 min

Lab File: VL041713.D

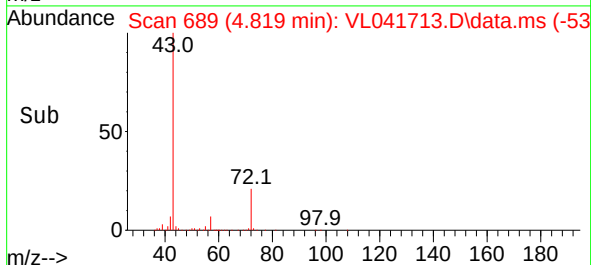
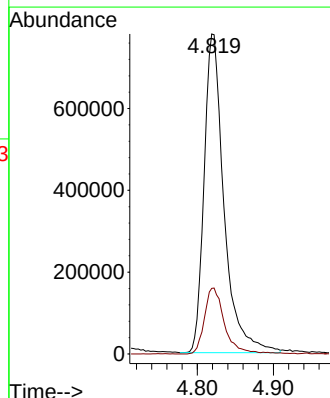
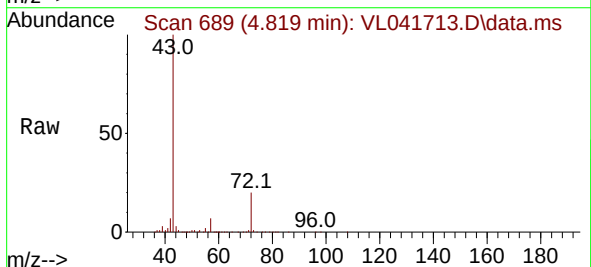
Acq: 21 Nov 2024 10:16

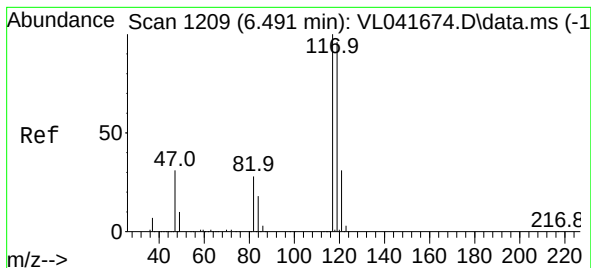
Tgt Ion: 43 Resp: 1417727

Ion Ratio Lower Upper

43 100

72 21.1 17.4 26.0





#35

Carbon Tetrachloride

Concen: 10.418 ppbv

RT: 6.529 min Scan# 1182

Delta R.T. 0.003 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Instrument :

MSVOA_L

ClientSampleId :

VL1121ABS01

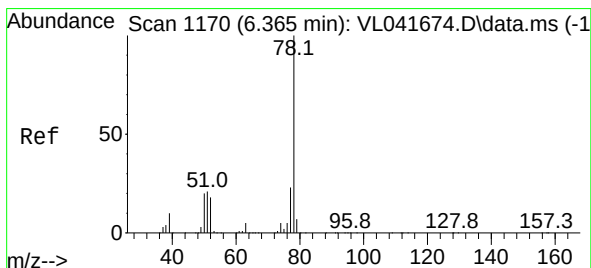
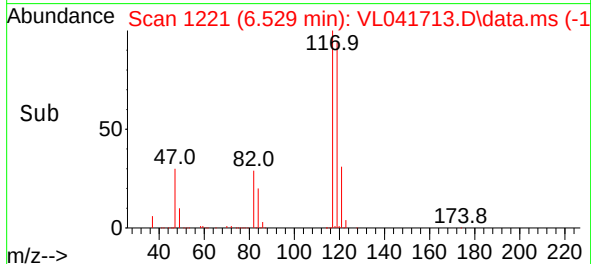
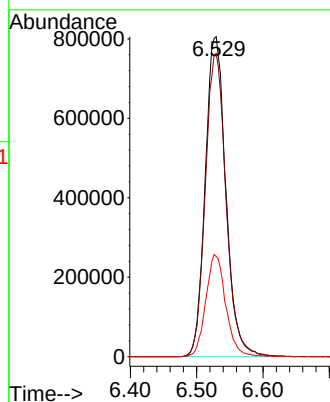
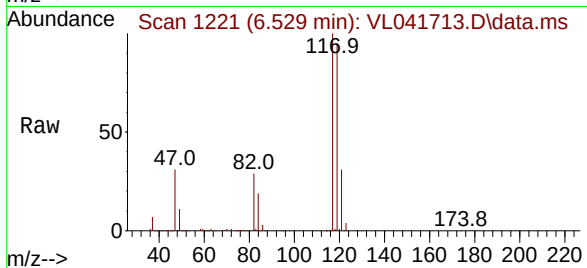
Tgt Ion:117 Resp: 1741838

Ion Ratio Lower Upper

117 100

119 94.7 77.2 115.8

121 31.3 25.0 37.4



#36

Benzene

Concen: 9.847 ppbv

RT: 6.404 min Scan# 1182

Delta R.T. 0.003 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

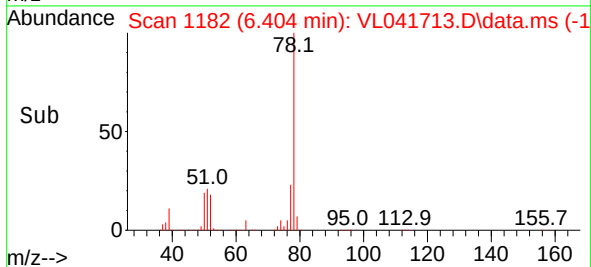
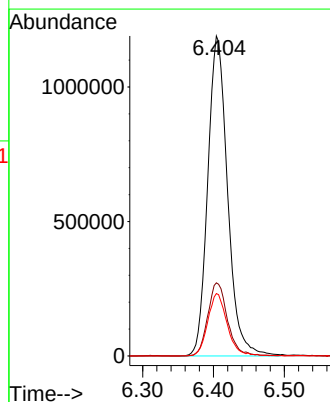
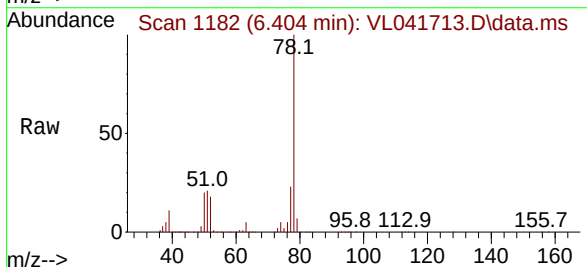
Tgt Ion: 78 Resp: 2312069

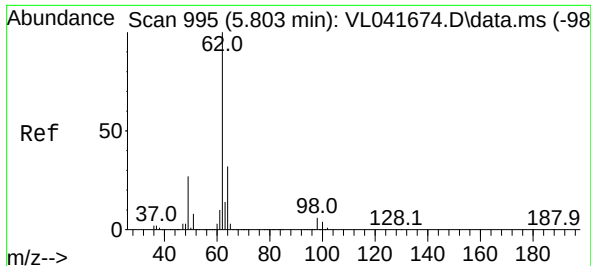
Ion Ratio Lower Upper

78 100

77 22.8 18.5 27.7

50 19.5 15.6 23.4

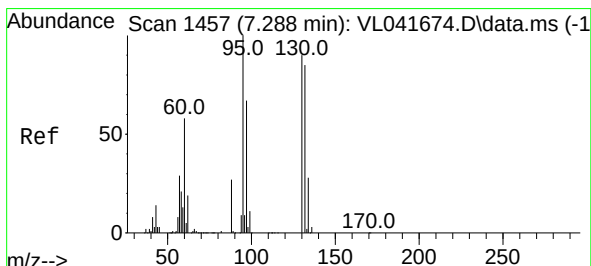
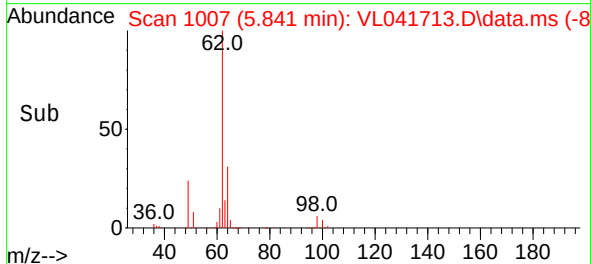
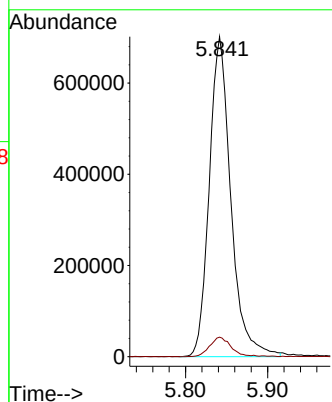
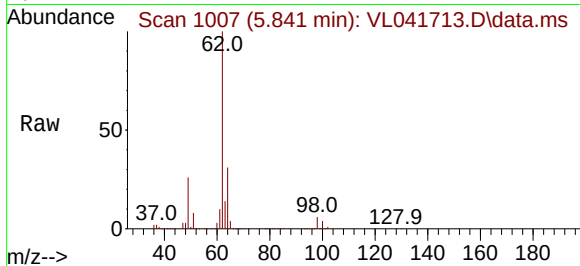




#37
1,2-Dichloroethane
Concen: 9.693 ppbv
RT: 5.841 min Scan# 1007
Delta R.T. 0.003 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

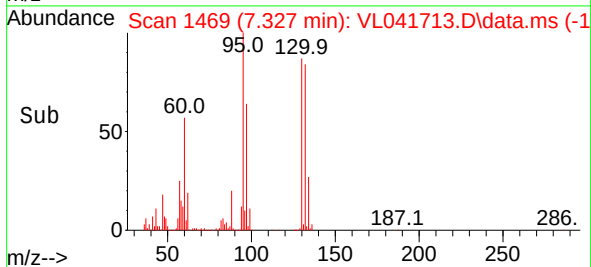
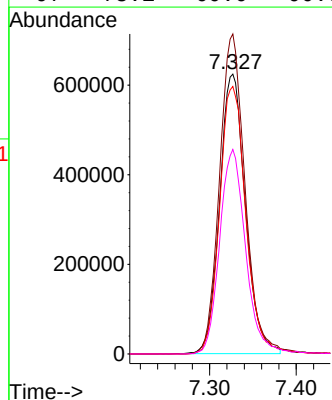
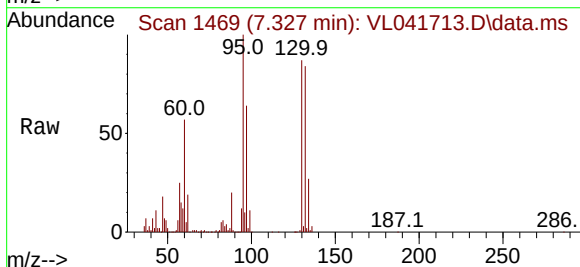
Instrument :
MSVOA_L
ClientSampleId :
VL1121ABS01

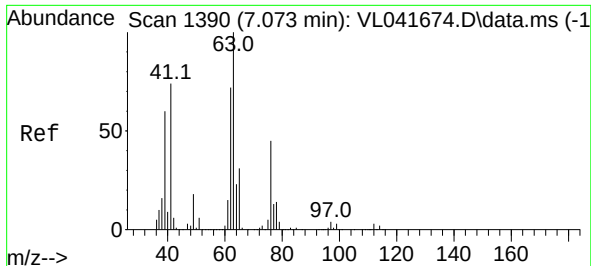
Tgt Ion: 62 Resp: 1284047
Ion Ratio Lower Upper
62 100
98 6.3 5.2 7.8



#38
Trichloroethene
Concen: 14.303 ppbv
RT: 7.327 min Scan# 1469
Delta R.T. 0.000 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

Tgt Ion:130 Resp: 1289883
Ion Ratio Lower Upper
130 100
95 114.5 89.1 133.7
132 95.7 75.7 113.5
97 73.1 60.0 90.0





#39

1,2-Dichloropropane

Concen: 9.610 ppbv

RT: 7.105 min Scan# 14

Delta R.T. -0.003 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Instrument :

MSVOA_L

ClientSampleId :

VL1121ABS01

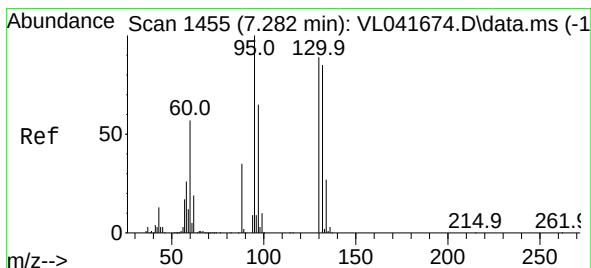
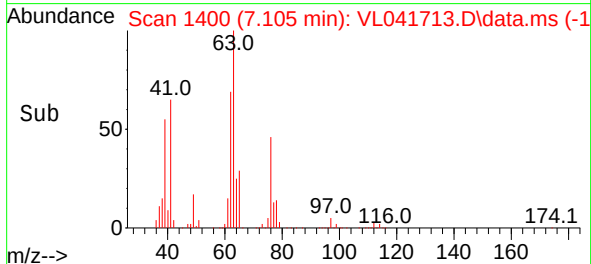
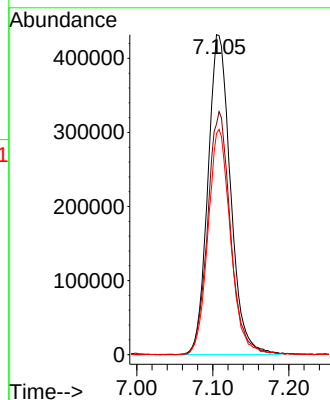
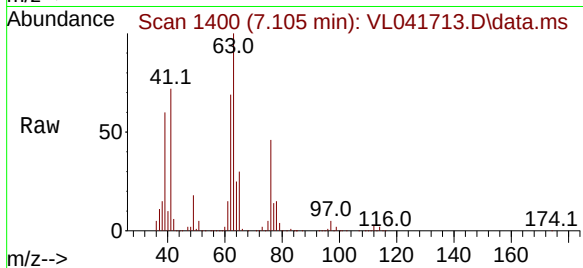
Tgt Ion: 63 Resp: 891656

Ion Ratio Lower Upper

63 100

41 72.0 59.1 88.7

62 69.2 57.7 86.5



#40

1,4-Dioxane

Concen: 10.912 ppbv

RT: 7.317 min Scan# 1466

Delta R.T. 0.000 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Tgt Ion: 88 Resp: 363295

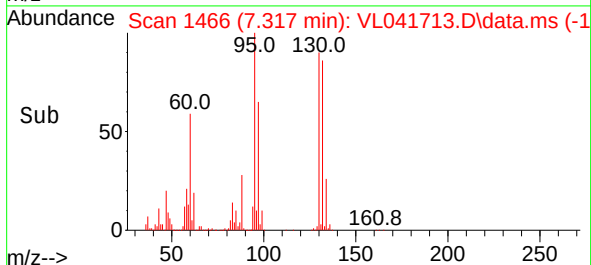
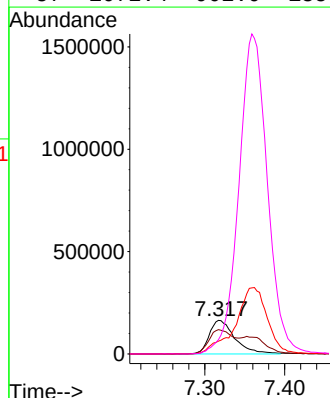
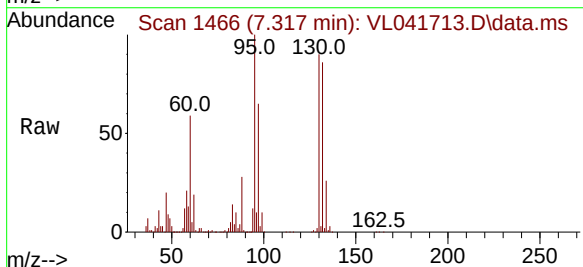
Ion Ratio Lower Upper

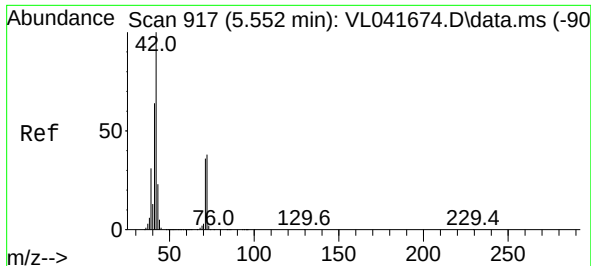
88 100

58 120.6 101.4 152.2

43 249.9 208.0 312.0

57 1072.4 902.9 1354.3





#41

Tetrahydrofuran

Concen: 10.375 ppbv

RT: 5.590 min Scan# 917

Delta R.T. 0.003 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Instrument :

MSVOA_L

ClientSampleId :

VL1121ABS01

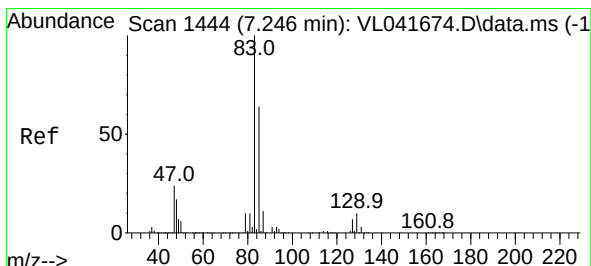
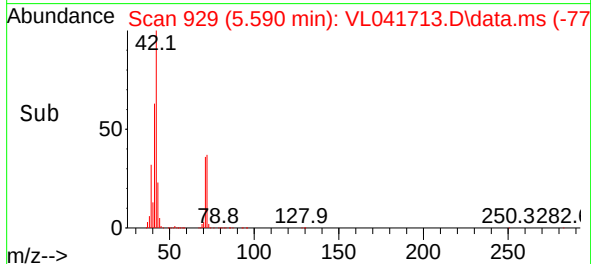
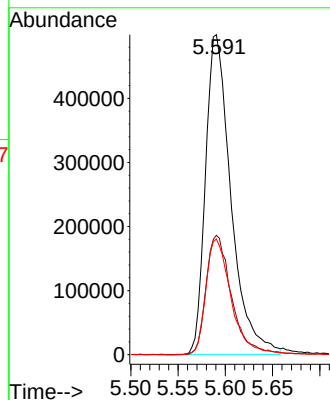
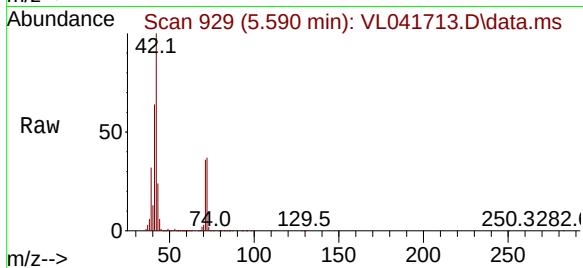
Tgt Ion: 42 Resp: 934965

Ion Ratio Lower Upper

42 100

72 37.8 29.8 44.6

71 36.3 29.4 44.2



#42

Bromodichloromethane

Concen: 9.994 ppbv

RT: 7.285 min Scan# 1456

Delta R.T. 0.003 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

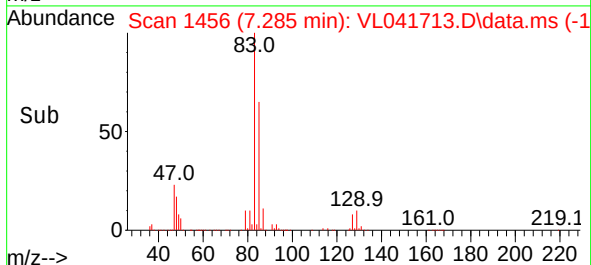
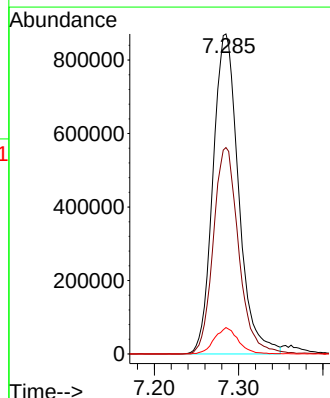
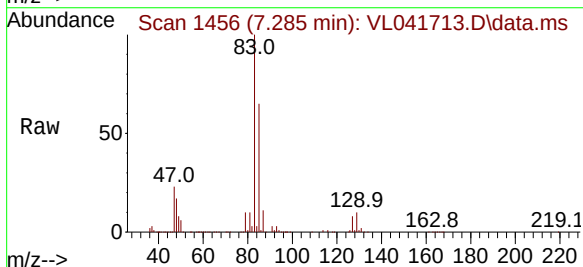
Tgt Ion: 83 Resp: 1839599

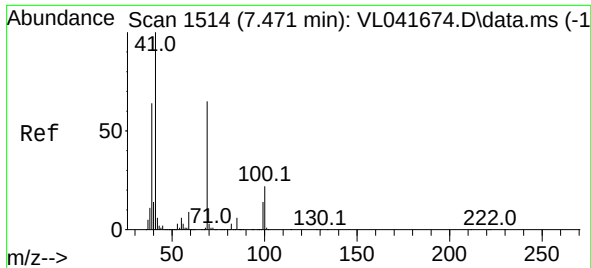
Ion Ratio Lower Upper

83 100

85 64.5 51.2 76.8

127 8.2 6.0 9.0





#43

Methyl Methacrylate

Concen: 10.937 ppbv

RT: 7.507 min Scan# 1479

Delta R.T. 0.000 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Instrument :

MSVOA_1

ClientSampleId :

VL1121ABS01

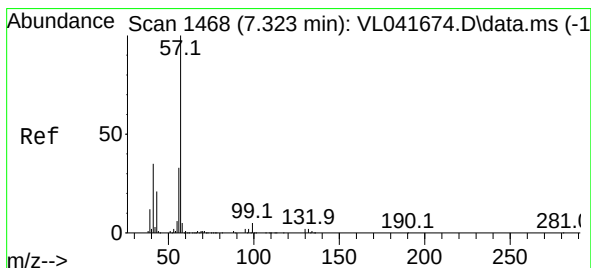
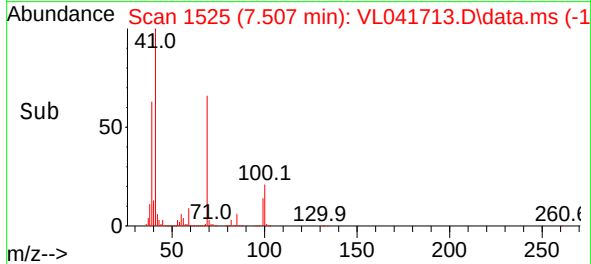
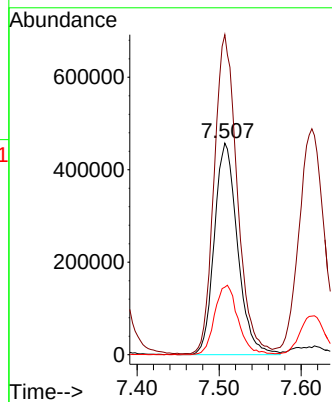
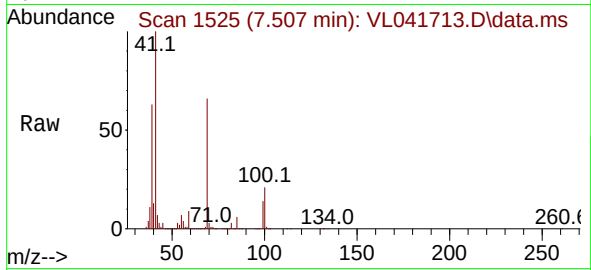
Tgt Ion: 69 Resp: 901641

Ion Ratio Lower Upper

69 100

41 150.0 119.8 179.6

100 33.1 27.3 40.9



#44

2,2,4-Trimethylpentane

Concen: 9.791 ppbv

RT: 7.359 min Scan# 1479

Delta R.T. 0.003 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

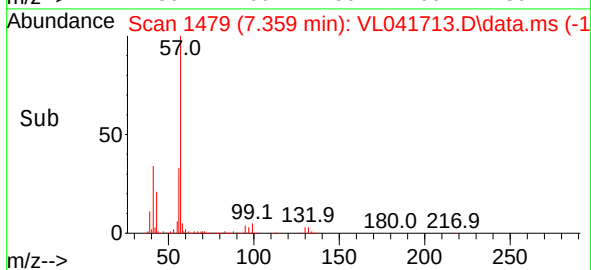
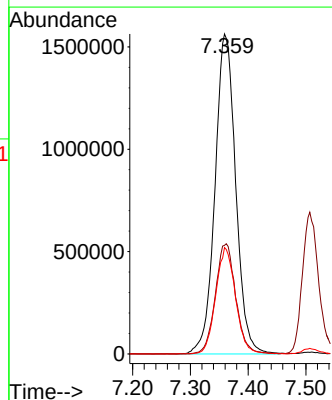
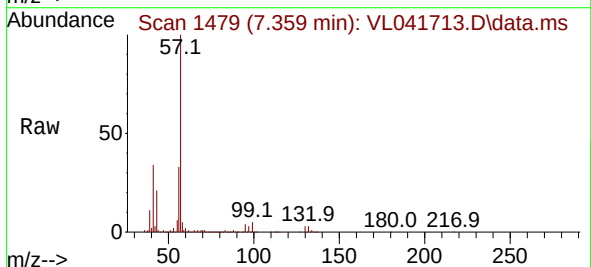
Tgt Ion: 57 Resp: 3894162

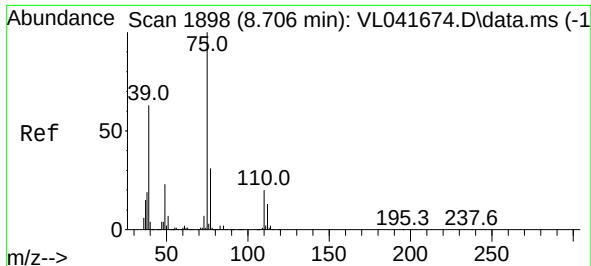
Ion Ratio Lower Upper

57 100

41 33.9 27.0 40.6

56 31.9 25.8 38.6





#45

t-1,3-Dichloropropene

Concen: 9.931 ppbv

RT: 8.745 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Instrument :

MSVOA_L

ClientSampleId :

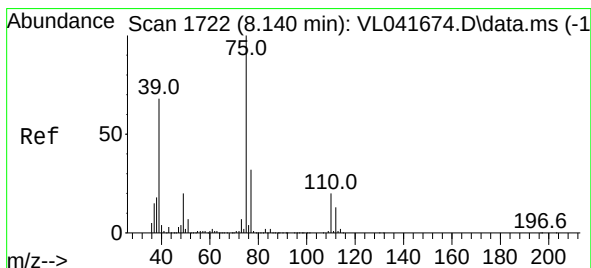
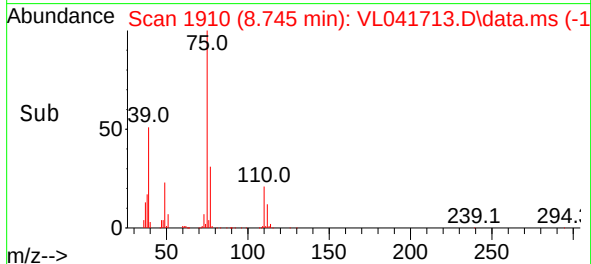
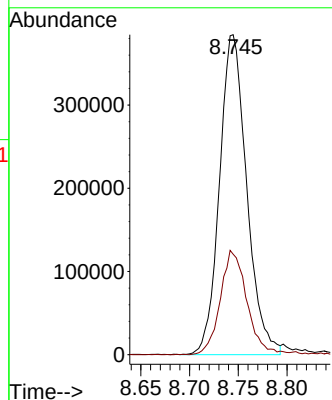
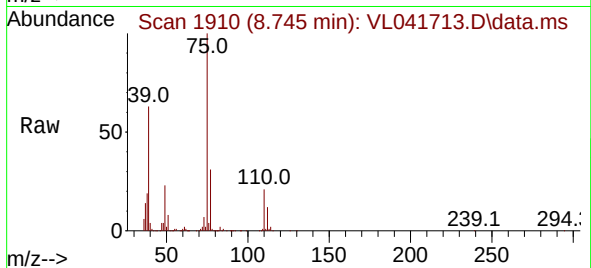
VL1121ABS01

Tgt Ion: 75 Resp: 748133

Ion Ratio Lower Upper

75 100

77 31.4 24.7 37.1



#46

cis-1,3-Dichloropropene

Concen: 10.203 ppbv

RT: 8.179 min Scan# 1734

Delta R.T. 0.006 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

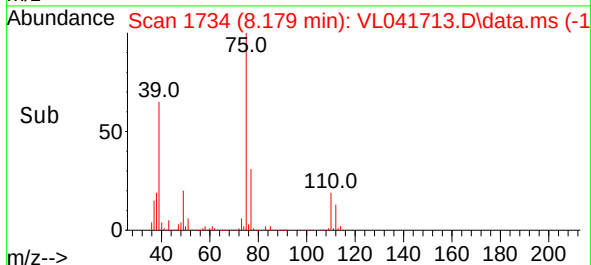
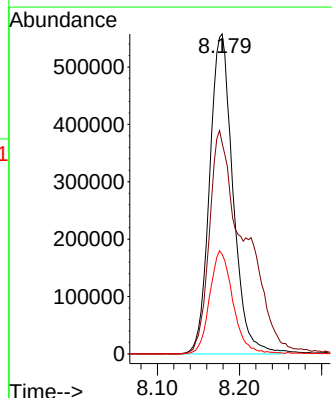
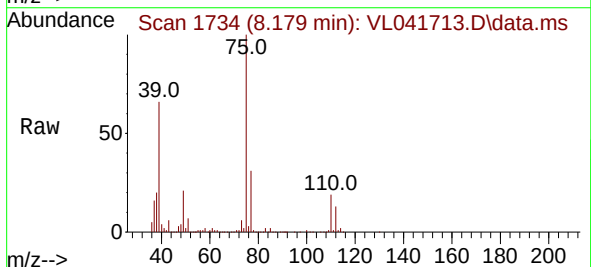
Tgt Ion: 75 Resp: 1103972

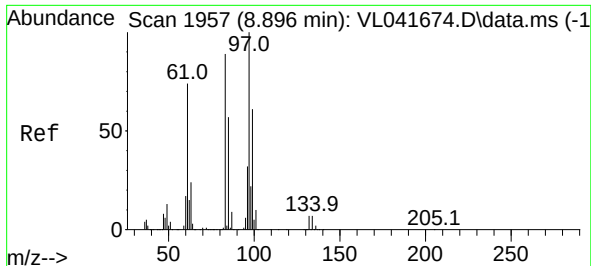
Ion Ratio Lower Upper

75 100

39 65.9 54.1 81.1

77 31.1 25.3 37.9

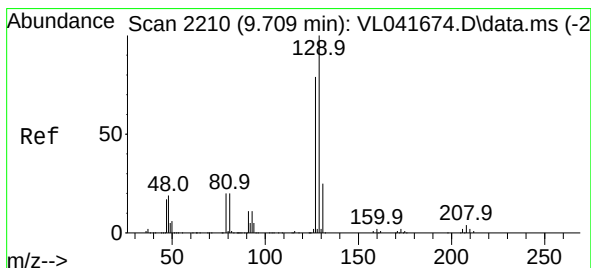
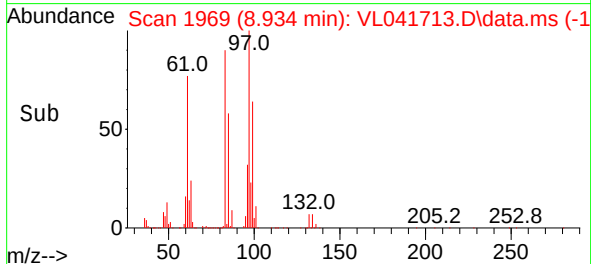
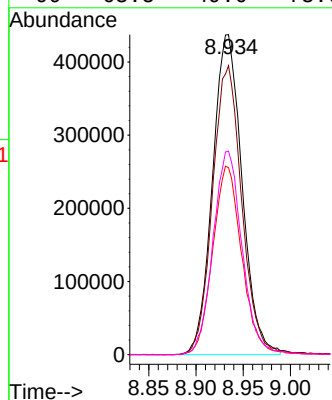
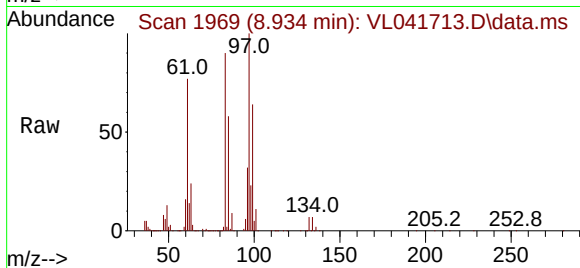




#47
1,1,2-Trichloroethane
Concen: 9.451 ppbv
RT: 8.934 min Scan# 1957
Delta R.T. 0.003 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

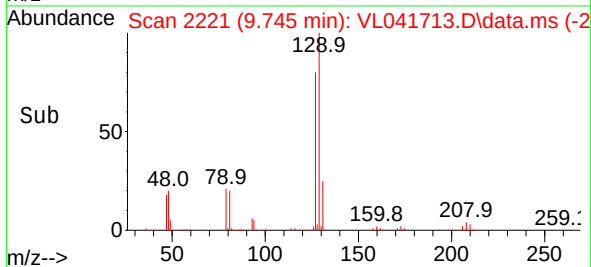
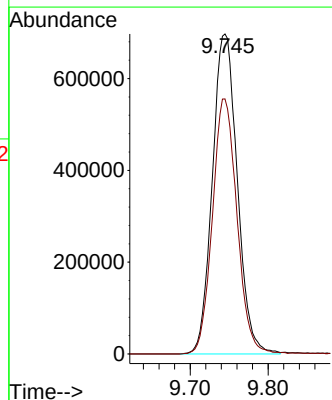
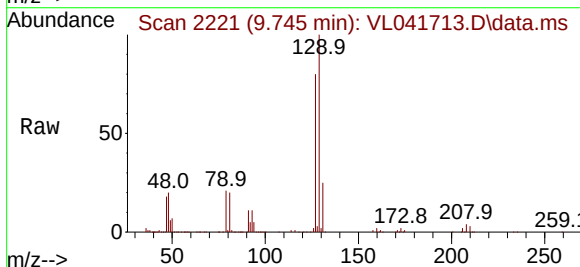
Instrument :
MSVOA_L
ClientSampleId :
VL1121ABS01

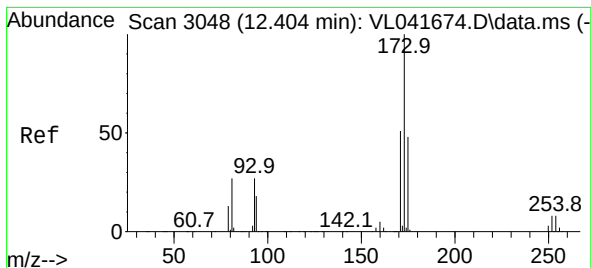
Tgt Ion: 97 Resp: 949123
Ion Ratio Lower Upper
97 100
83 90.1 71.0 106.6
85 58.3 45.4 68.2
99 63.5 49.0 73.6



#48
Dibromochloromethane
Concen: 10.178 ppbv
RT: 9.745 min Scan# 2221
Delta R.T. 0.003 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

Tgt Ion: 129 Resp: 1553797
Ion Ratio Lower Upper
129 100
127 78.5 39.1 117.2





#49

Bromoform

Concen: 10.451 ppbv

RT: 12.439 min Scan# 3048

Delta R.T. 0.000 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Instrument :

MSVOA_L

ClientSampleId :

VL1121ABS01

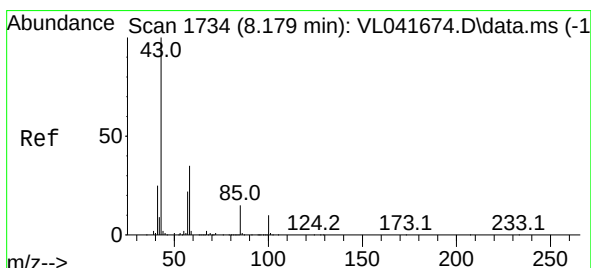
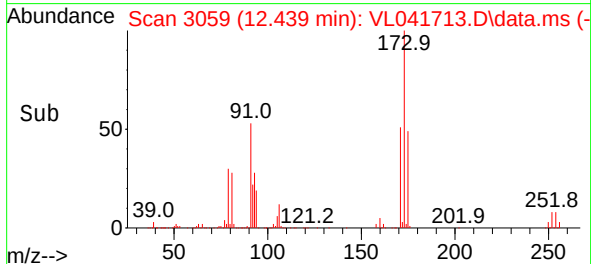
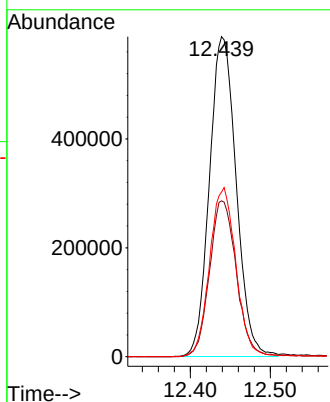
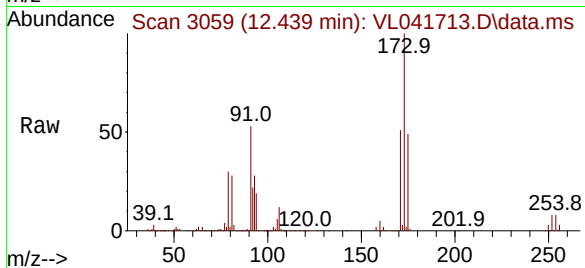
Tgt Ion:173 Resp: 1365111

Ion Ratio Lower Upper

173 100

175 49.0 39.2 58.8

171 52.2 41.7 62.5



#50

4-Methyl-2-Pentanone

Concen: 10.366 ppbv

RT: 8.214 min Scan# 1745

Delta R.T. 0.003 min

Lab File: VL041713.D

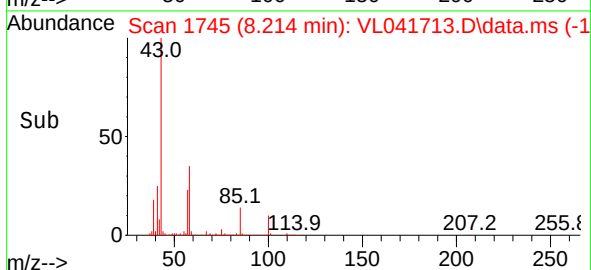
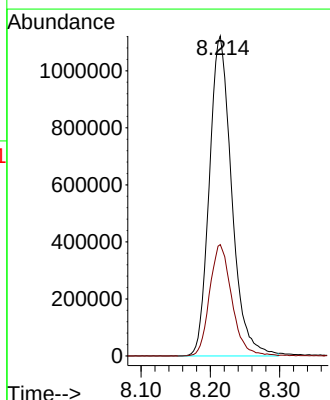
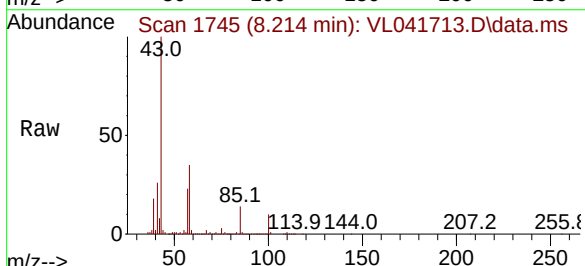
Acq: 21 Nov 2024 10:16

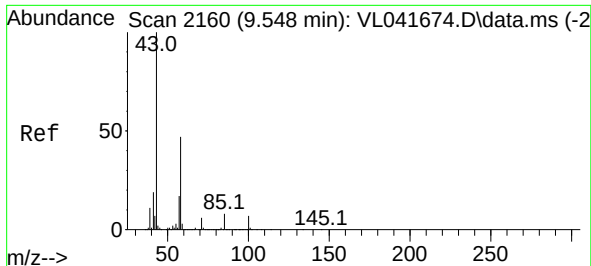
Tgt Ion: 43 Resp: 2511109

Ion Ratio Lower Upper

43 100

58 34.9 27.7 41.5

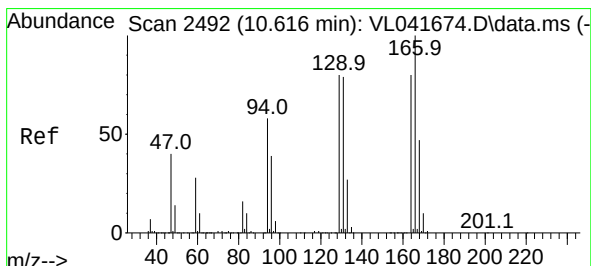
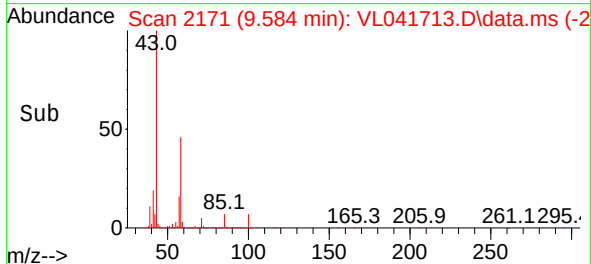
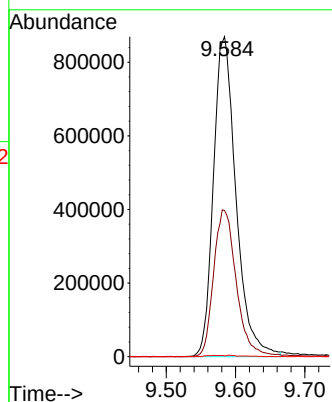
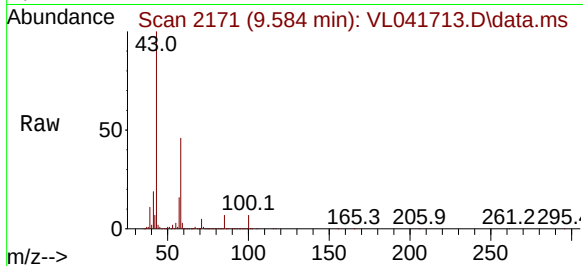




#51
2-Hexanone
Concen: 11.157 ppbv
RT: 9.584 min Scan# 2160
Delta R.T. 0.003 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

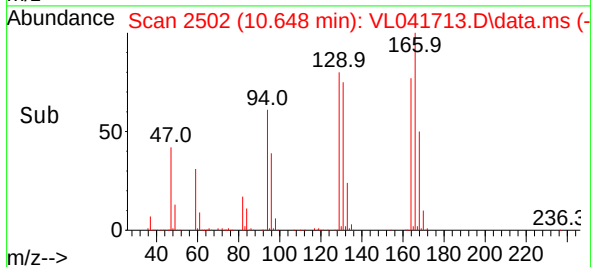
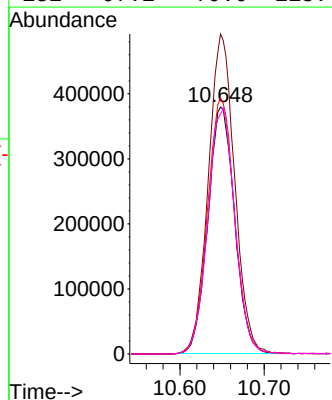
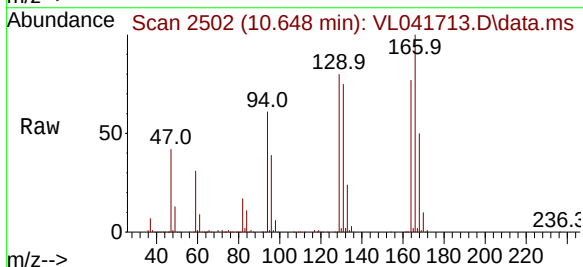
Instrument :
MSVOA_L
ClientSampleId :
VL1121ABS01

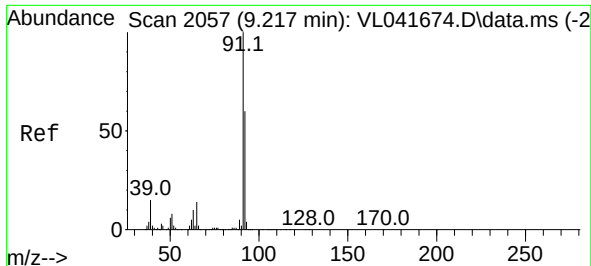
Tgt Ion: 43 Resp: 1968115
Ion Ratio Lower Upper
43 100
58 46.6 37.0 55.6
98 0.7 0.6 0.8



#52
Tetrachloroethene
Concen: 10.419 ppbv
RT: 10.648 min Scan# 2502
Delta R.T. 0.000 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

Tgt Ion: 164 Resp: 833665
Ion Ratio Lower Upper
164 100
166 129.4 100.2 150.4
129 103.6 79.7 119.5
131 97.1 79.0 118.4





#53

Toluene

Concen: 10.664 ppbv

RT: 9.253 min Scan# 2057

Delta R.T. 0.000 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Instrument :

MSVOA_L

ClientSampleId :

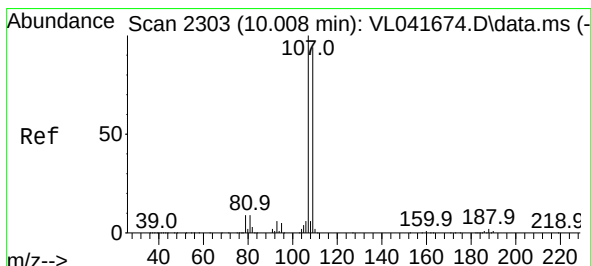
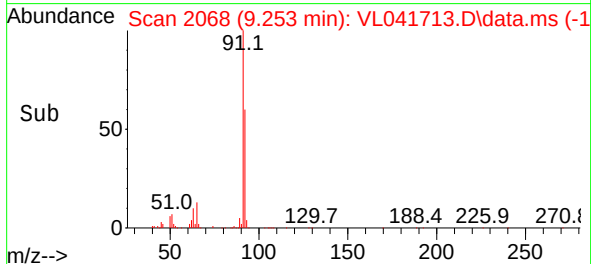
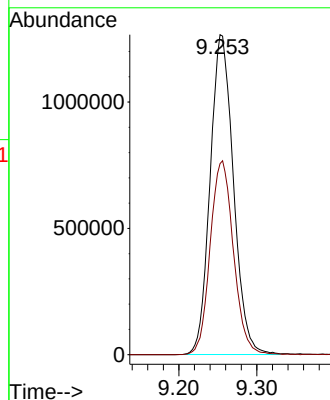
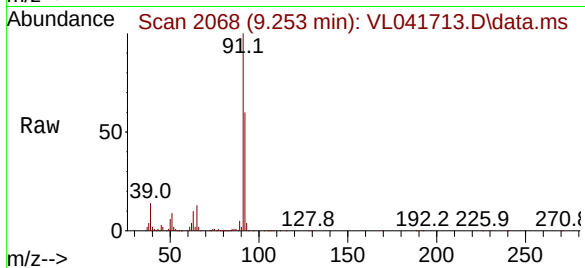
VL1121ABS01

Tgt Ion: 91 Resp: 2633054

Ion Ratio Lower Upper

91 100

92 60.6 49.0 73.4



#54

1,2-Dibromoethane

Concen: 10.629 ppbv

RT: 10.040 min Scan# 2313

Delta R.T. 0.000 min

Lab File: VL041713.D

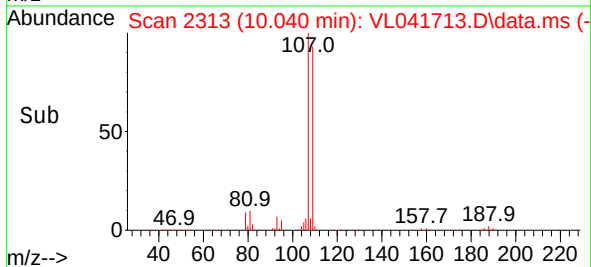
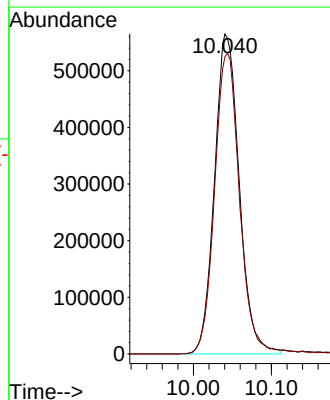
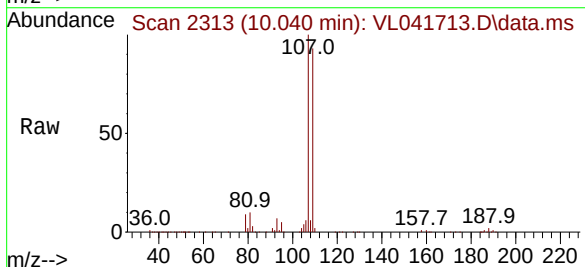
Acq: 21 Nov 2024 10:16

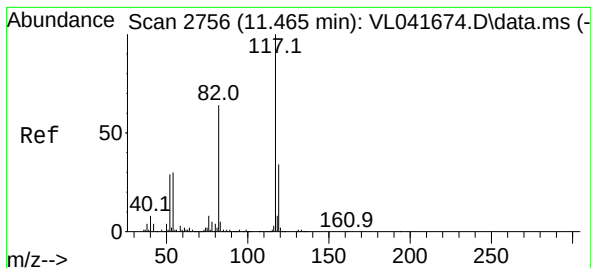
Tgt Ion:107 Resp: 1247128

Ion Ratio Lower Upper

107 100

109 93.0 74.9 112.3





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.500 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Instrument :

MSVOA_L

ClientSampleId :

VL1121ABS01

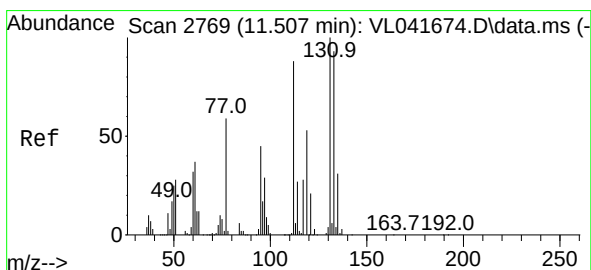
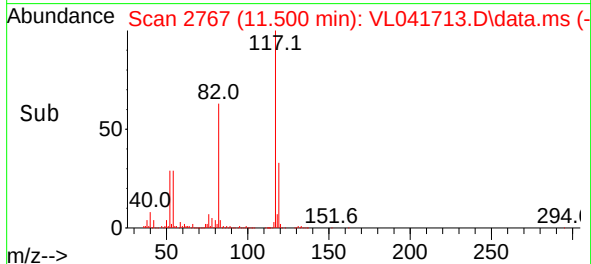
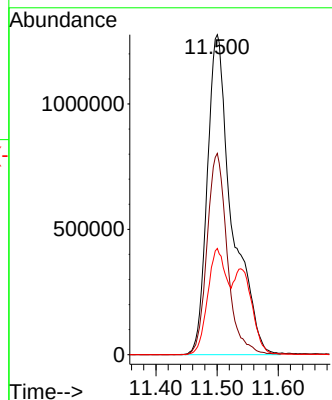
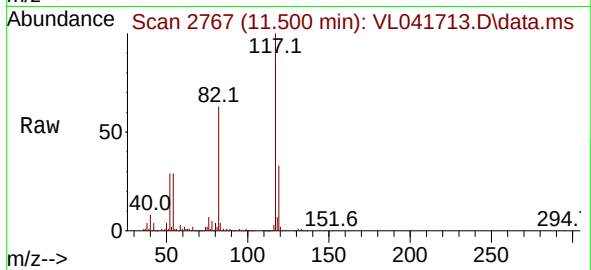
Tgt Ion:117 Resp: 3594883

Ion Ratio Lower Upper

117 100

82 51.9 49.8 74.8

119 26.3 24.2 36.4



#56

1,1,1,2-Tetrachloroethane

Concen: 7.813 ppbv

RT: 11.542 min Scan# 2780

Delta R.T. 0.003 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

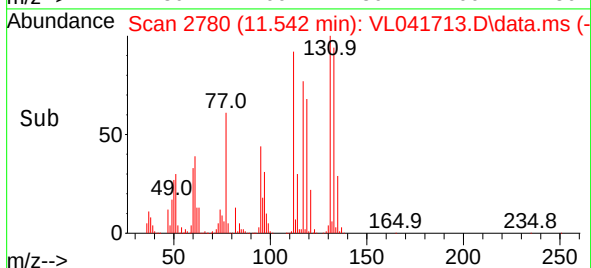
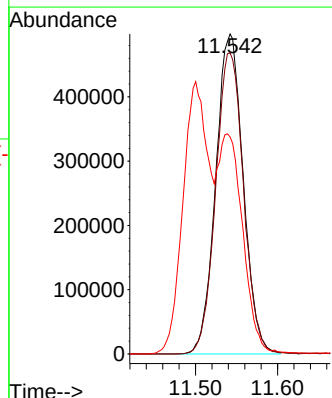
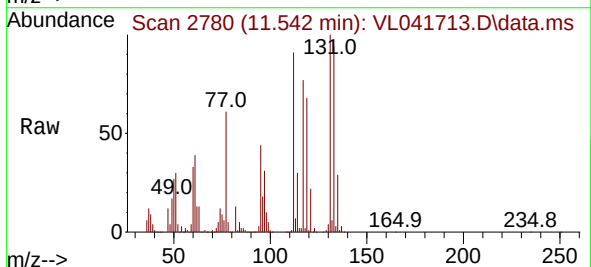
Tgt Ion:131 Resp: 1158400

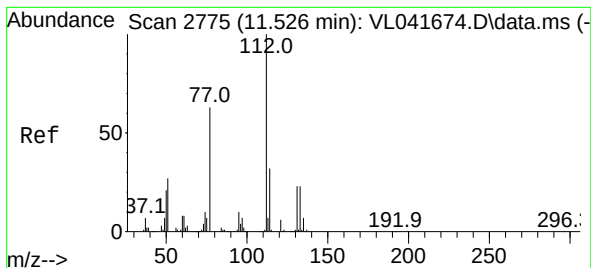
Ion Ratio Lower Upper

131 100

133 95.5 76.5 114.7

119 62.4 49.8 74.8

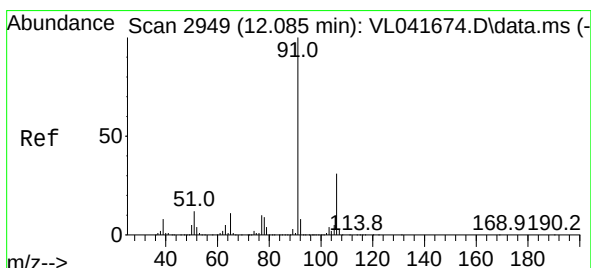
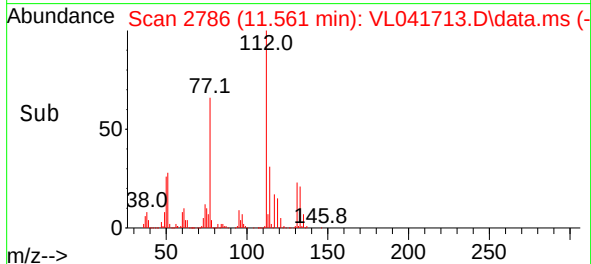
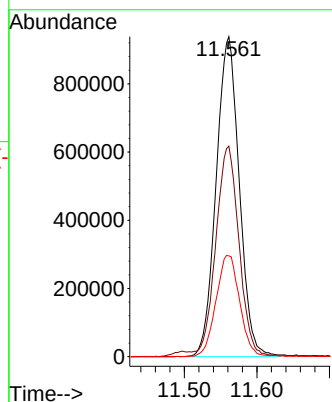
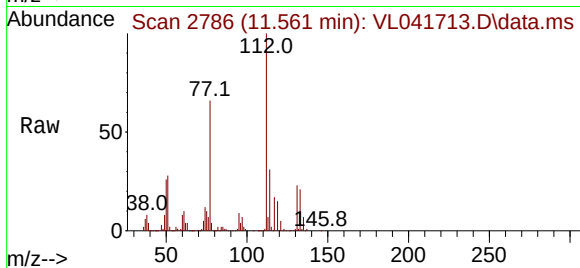




#57
Chlorobenzene
Concen: 7.816 ppbv
RT: 11.561 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

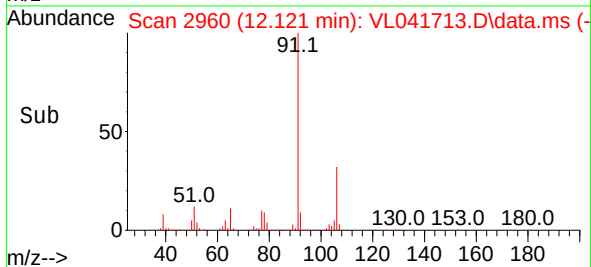
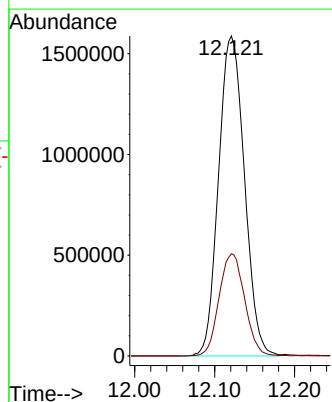
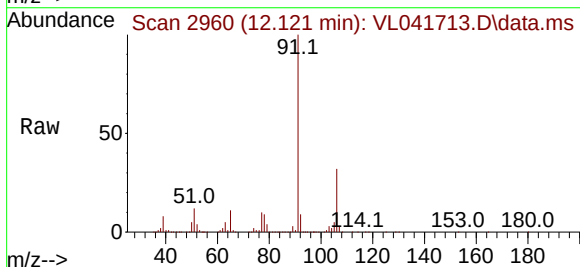
Instrument :
MSVOA_L
ClientSampleId :
VL1121ABS01

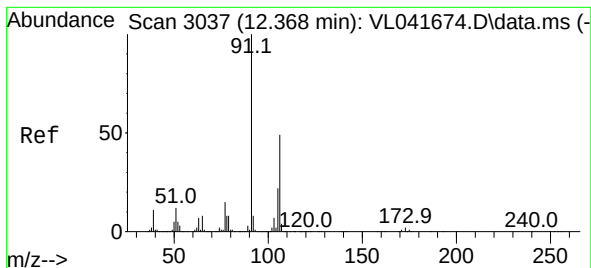
Tgt Ion:112 Resp: 2078199
Ion Ratio Lower Upper
112 100
77 65.4 51.4 77.2
114 31.4 28.4 34.8



#58
Ethyl Benzene
Concen: 9.048 ppbv
RT: 12.121 min Scan# 2960
Delta R.T. 0.000 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

Tgt Ion: 91 Resp: 3565857
Ion Ratio Lower Upper
91 100
106 32.0 24.9 37.3





#59

m/p-Xylene

Concen: 8.997 ppbv

RT: 12.404 min Scan# 3037

Delta R.T. 0.000 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Instrument :

MSVOA_L

ClientSampleId :

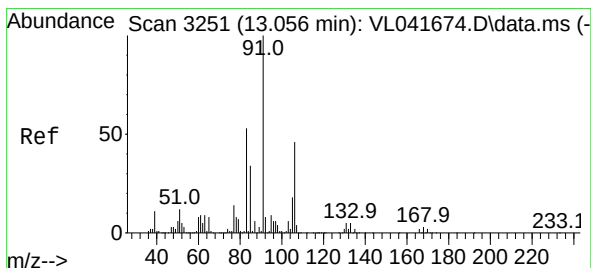
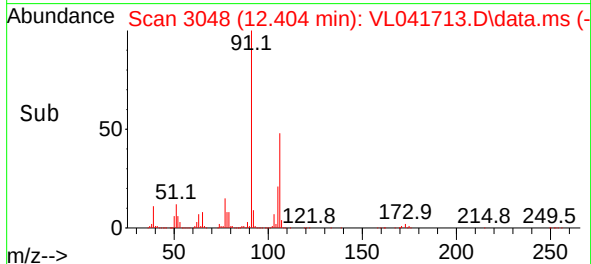
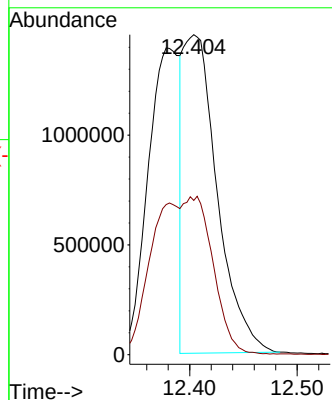
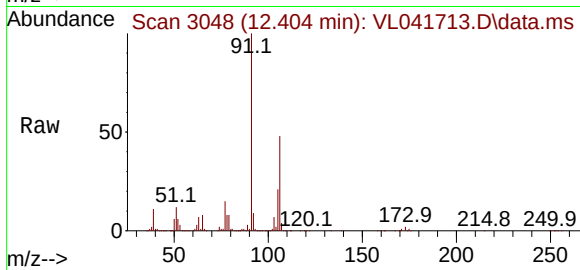
VL1121ABS01

Tgt Ion: 91 Resp: 3175161

Ion Ratio Lower Upper

91 100

106 88.2 36.9 55.3#



#60

o-Xylene

Concen: 8.832 ppbv

RT: 13.089 min Scan# 3261

Delta R.T. 0.000 min

Lab File: VL041713.D

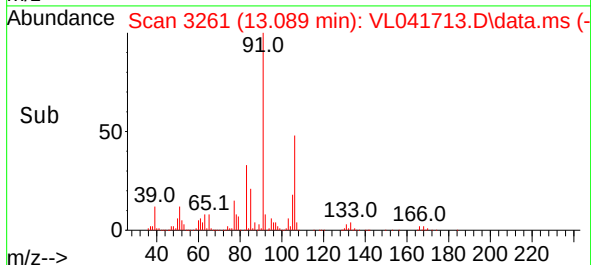
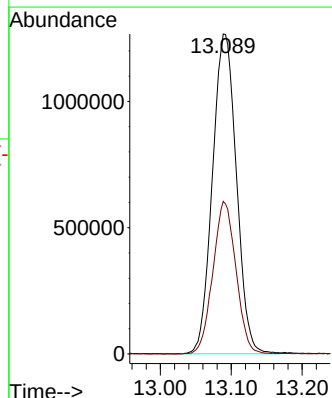
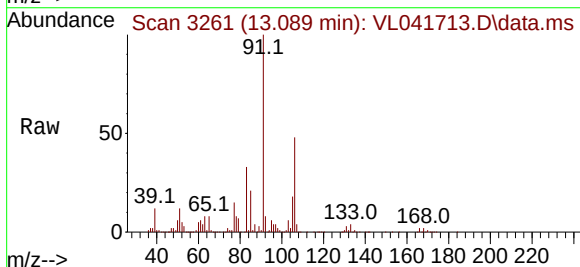
Acq: 21 Nov 2024 10:16

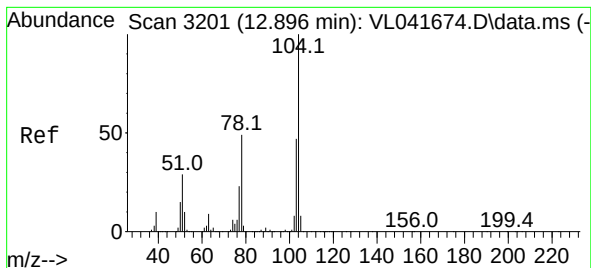
Tgt Ion: 91 Resp: 2972199

Ion Ratio Lower Upper

91 100

106 45.9 23.2 69.6





#61

Styrene

Concen: 10.154 ppbv

RT: 12.931 min Scan# 31

Delta R.T. 0.003 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Instrument :

MSVOA_L

ClientSampleId :

VL1121ABS01

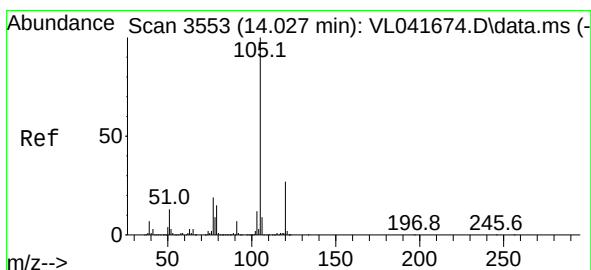
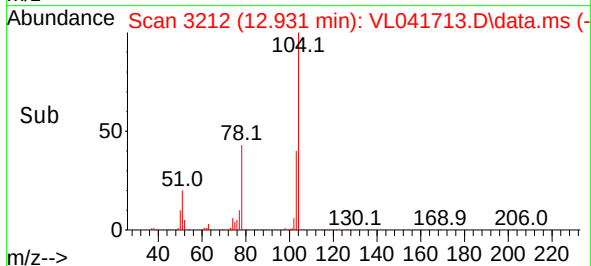
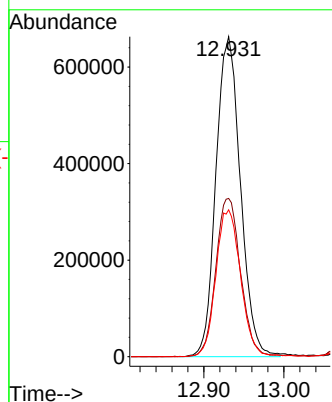
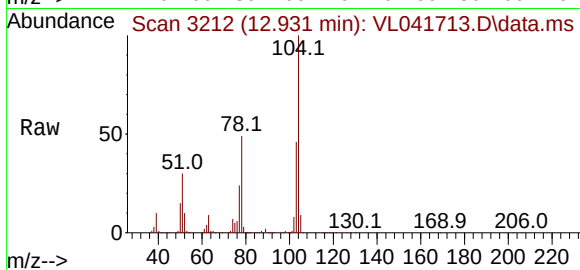
Tgt Ion:104 Resp: 1410360

Ion Ratio Lower Upper

104 100

78 50.4 39.8 59.8

103 46.8 37.4 56.0



#62

Isopropylbenzene

Concen: 8.202 ppbv

RT: 14.060 min Scan# 3563

Delta R.T. 0.000 min

Lab File: VL041713.D

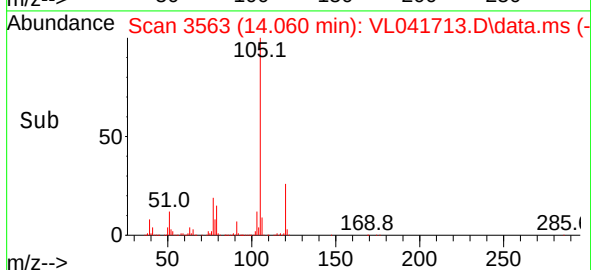
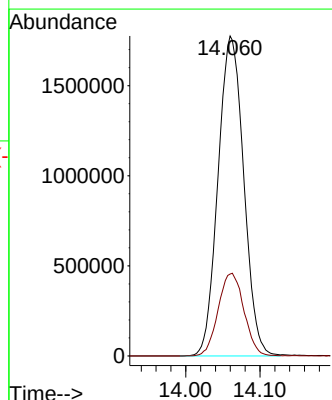
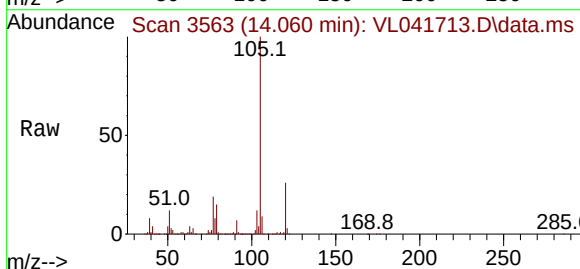
Acq: 21 Nov 2024 10:16

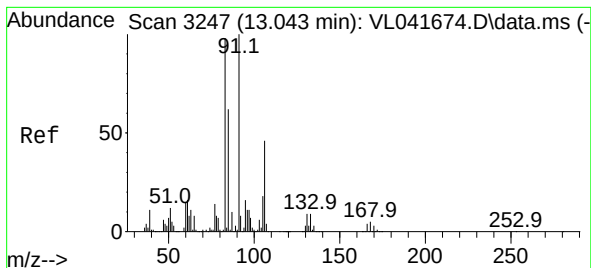
Tgt Ion:105 Resp: 4263154

Ion Ratio Lower Upper

105 100

120 26.0 21.1 31.7

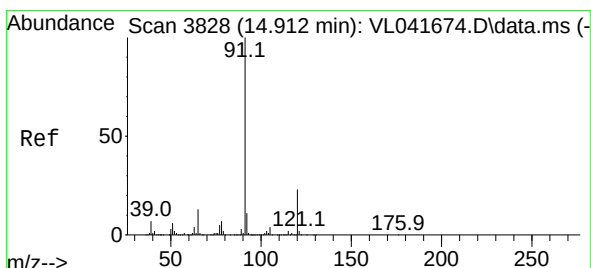
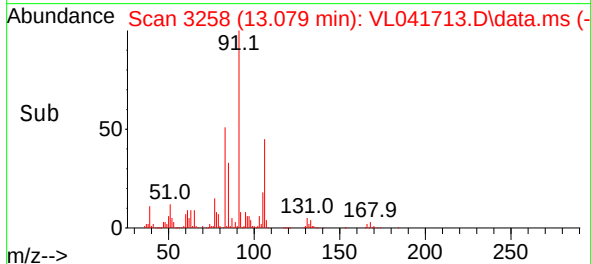
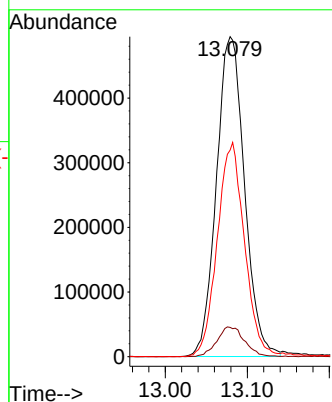
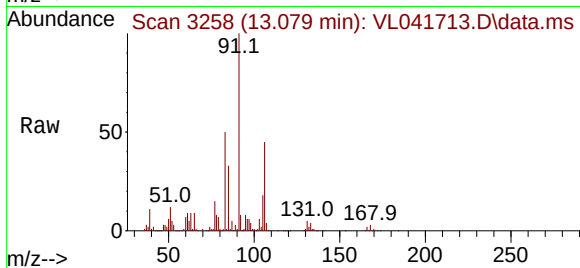




#63
1,1,2,2-Tetrachloroethane
Concen: 4.765 ppbv
RT: 13.079 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

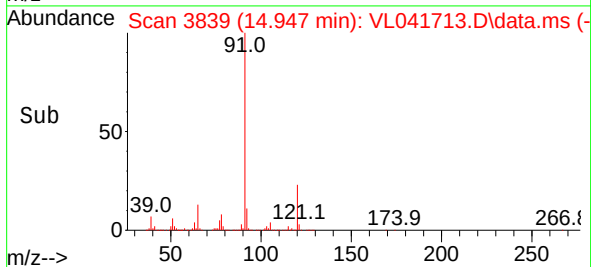
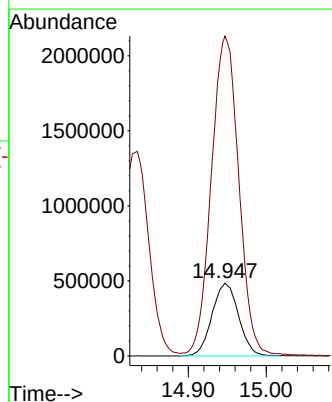
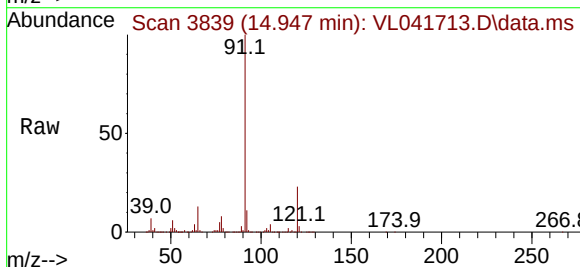
Instrument :
MSVOA_L
ClientSampleId :
VL1121ABS01

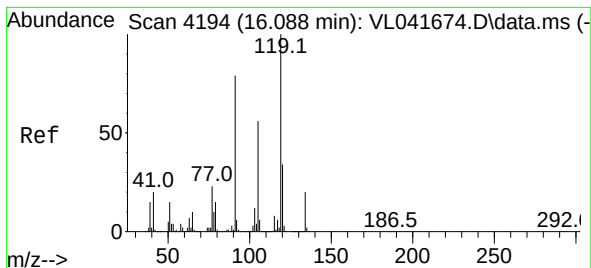
Tgt Ion: 83 Resp: 1179536
Ion Ratio Lower Upper
83 100
131 9.2 4.8 14.3
85 65.8 32.6 98.0



#64
n-propylbenzene
Concen: 8.427 ppbv
RT: 14.947 min Scan# 3839
Delta R.T. 0.003 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

Tgt Ion:120 Resp: 1146628
Ion Ratio Lower Upper
120 100
91 456.5 362.4 543.6





#65

tert-Butylbenzene

Concen: 8.213 ppbv

RT: 16.121 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Instrument :

MSVOA_L

ClientSampleId :

VL1121ABS01

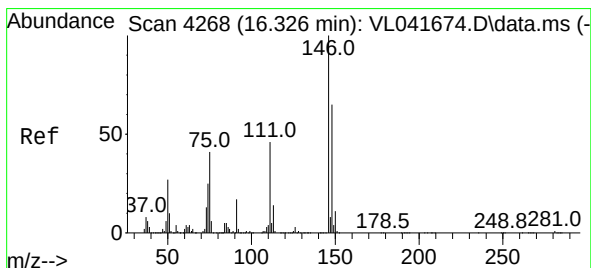
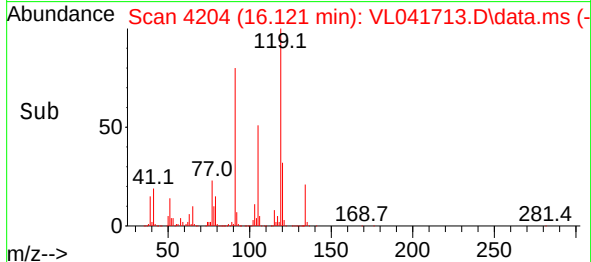
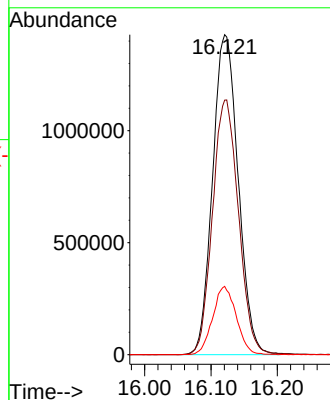
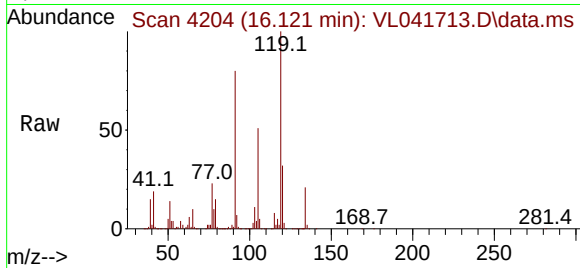
Tgt Ion:119 Resp: 3836581

Ion Ratio Lower Upper

119 100

91 80.8 64.3 96.5

134 19.7 15.8 23.8



#66

Benzyl Chloride

Concen: 4.986 ppbv

RT: 16.359 min Scan# 4278

Delta R.T. 0.000 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

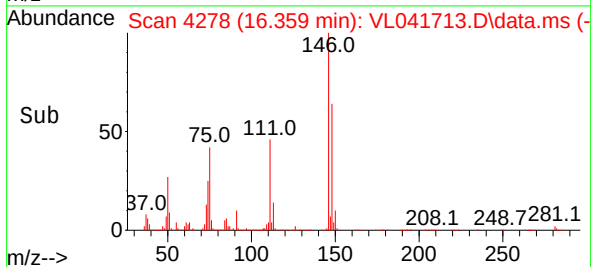
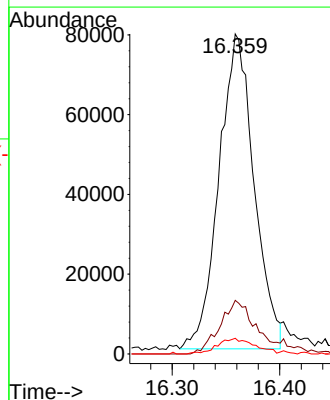
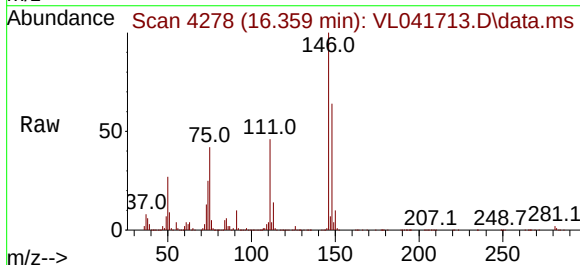
Tgt Ion: 91 Resp: 179175

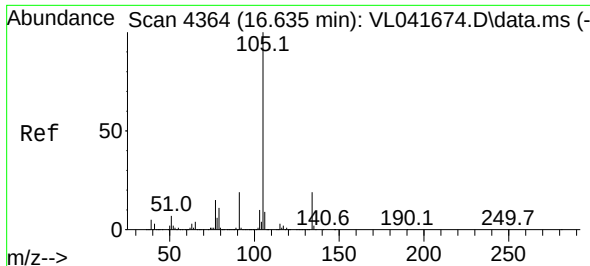
Ion Ratio Lower Upper

91 100

126 19.3 13.8 20.6

128 5.7 4.3 6.5





#67

sec-Butylbenzene

Concen: 8.147 ppbv

RT: 16.664 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Instrument :

MSVOA_L

ClientSampleId :

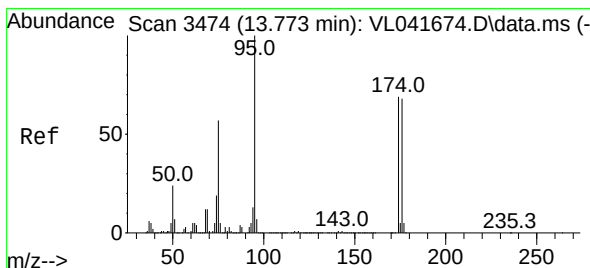
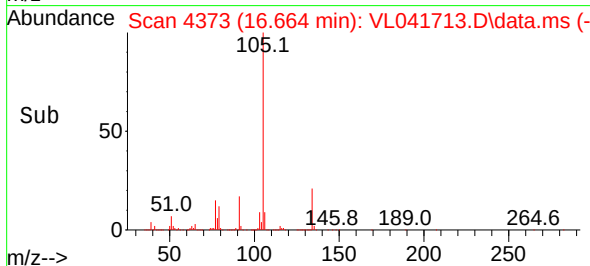
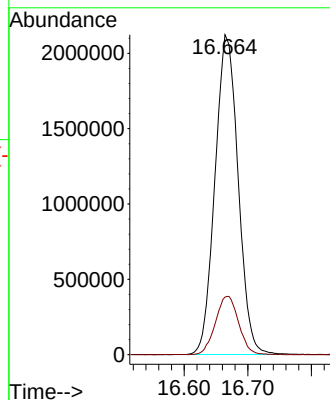
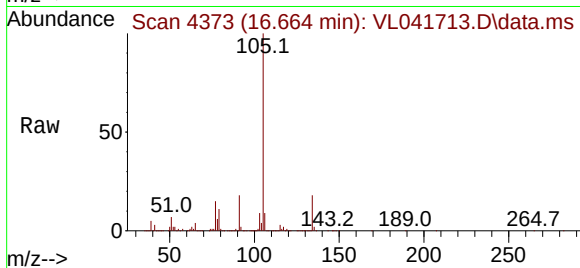
VL1121ABS01

Tgt Ion:105 Resp: 5364091

Ion Ratio Lower Upper

105 100

134 18.4 14.6 22.0



#68

1-Bromo-4-Fluorobenzene

Concen: 8.363 ppbv

RT: 13.806 min Scan# 3484

Delta R.T. 0.000 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

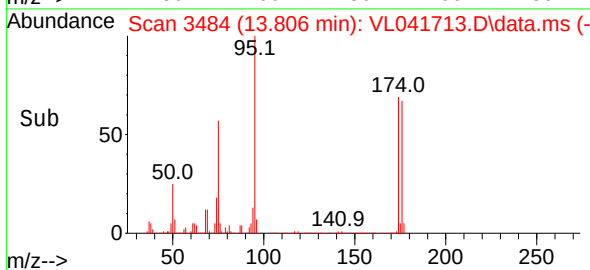
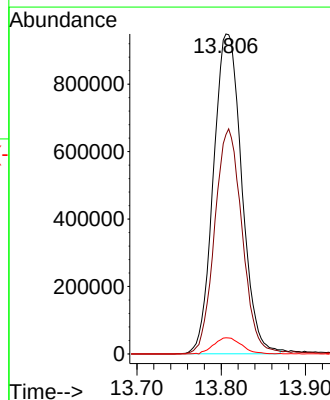
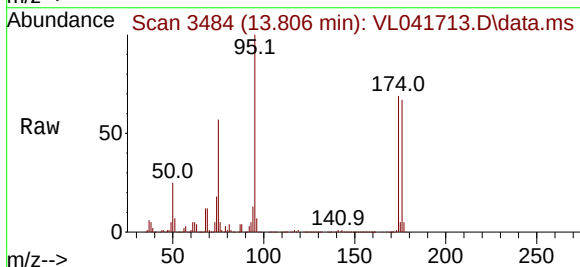
Tgt Ion: 95 Resp: 2215094

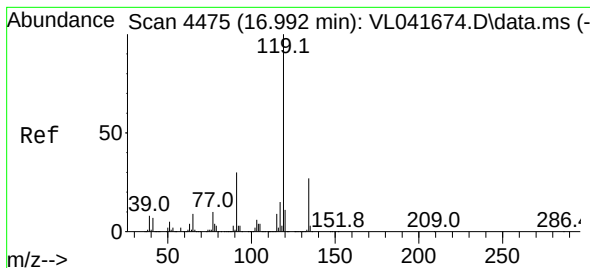
Ion Ratio Lower Upper

95 100

174 69.2 55.6 83.4

175 5.1 4.2 6.2





#69

p-Isopropyltoluene

Concen: 8.377 ppbv

RT: 17.027 min Scan# 4475

Delta R.T. 0.000 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Instrument :

MSVOA_L

ClientSampleId :

VL1121ABS01

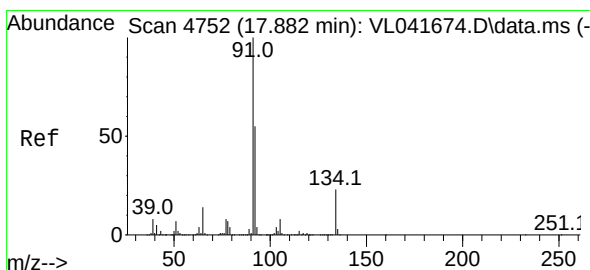
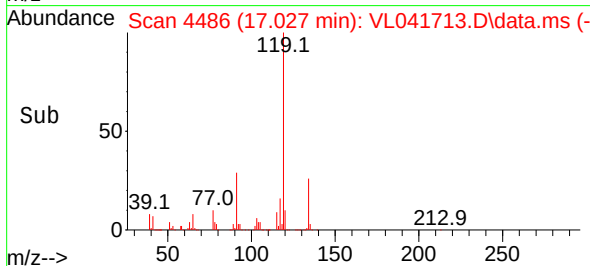
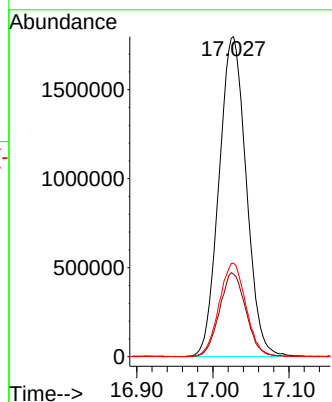
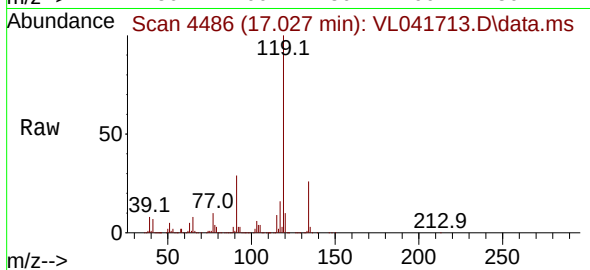
Tgt Ion:119 Resp: 4458745

Ion Ratio Lower Upper

119 100

134 25.7 20.8 31.2

91 28.9 23.2 34.8



#70

n-Butylbenzene

Concen: 8.455 ppbv

RT: 17.918 min Scan# 4763

Delta R.T. 0.000 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

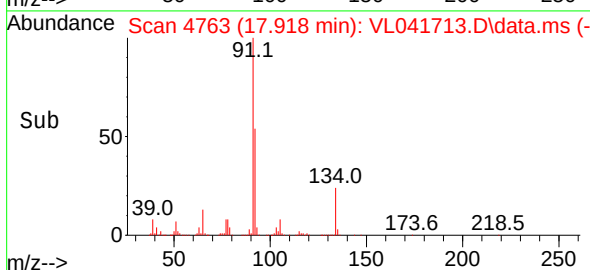
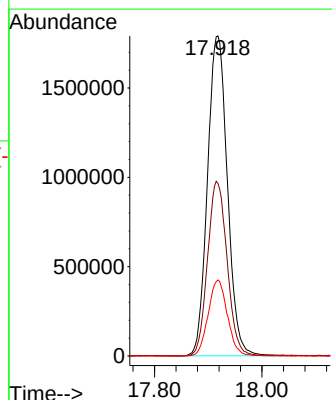
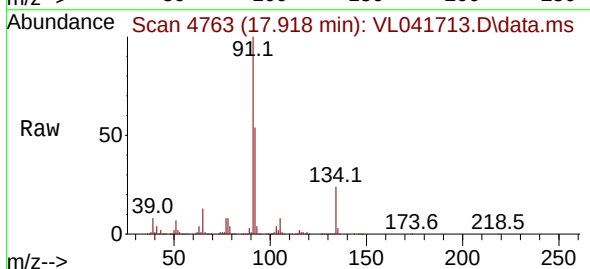
Tgt Ion: 91 Resp: 4604740

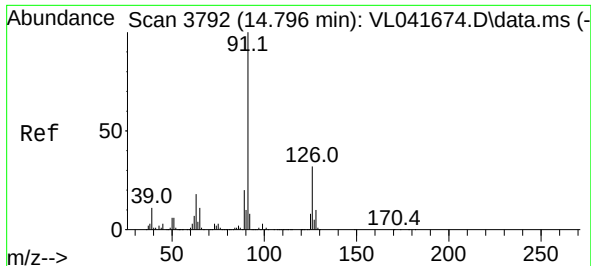
Ion Ratio Lower Upper

91 100

92 53.8 43.3 64.9

134 23.0 18.4 27.6

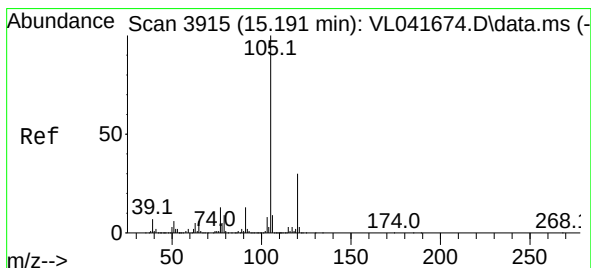
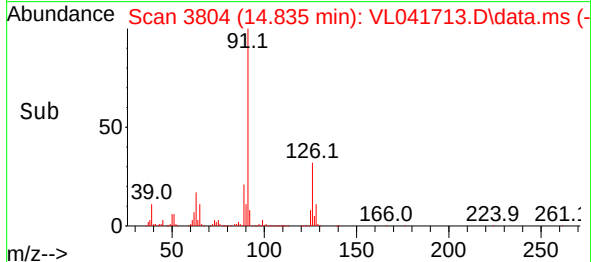
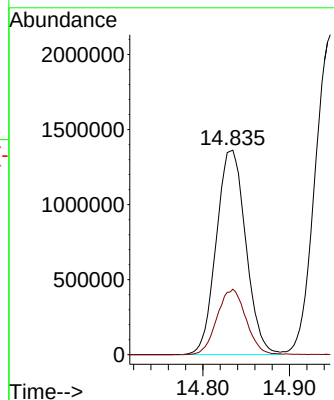
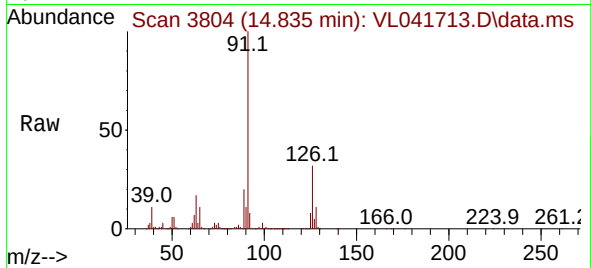




#71
2-Chlorotoluene
Concen: 8.579 ppbv
RT: 14.835 min Scan# 3804
Delta R.T. 0.003 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

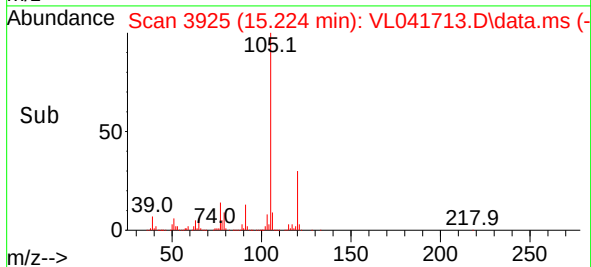
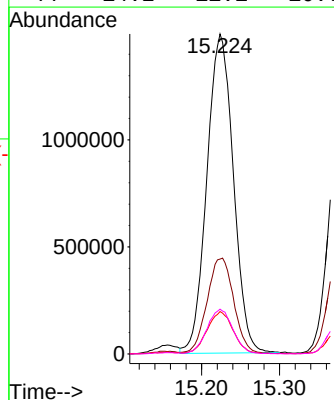
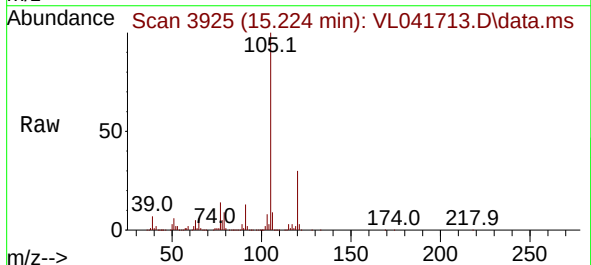
Instrument :
MSVOA_1
ClientSampleId :
VL1121ABS01

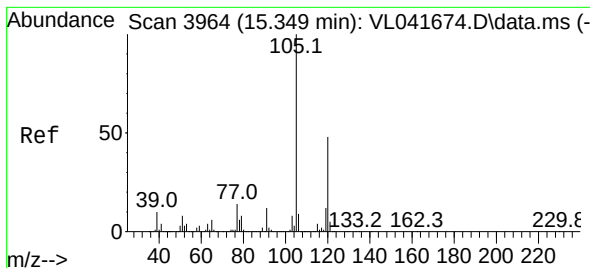
Tgt Ion: 91 Resp: 3223209
Ion Ratio Lower Upper
91 100
126 31.5 12.8 51.0



#72
4-Ethyltoluene
Concen: 8.983 ppbv
RT: 15.224 min Scan# 3925
Delta R.T. 0.000 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

Tgt Ion:105 Resp: 3514757
Ion Ratio Lower Upper
105 100
120 30.6 25.0 37.4
91 13.1 10.6 15.8
77 14.2 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 8.737 ppbv

RT: 15.381 min Scan# 3964

Delta R.T. 0.000 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Instrument :

MSVOA_1

ClientSampleId :

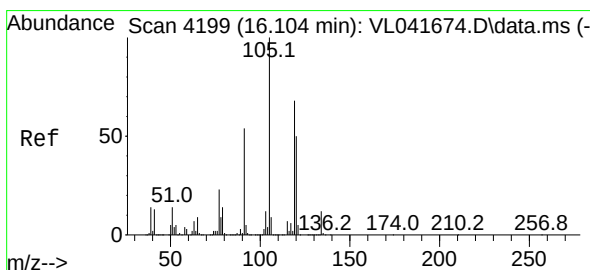
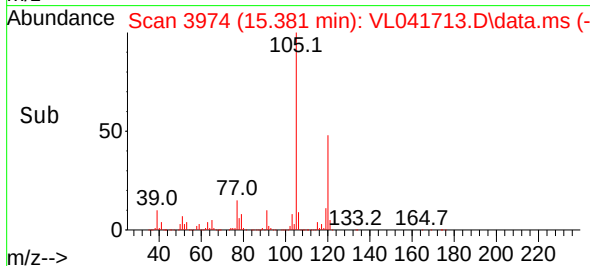
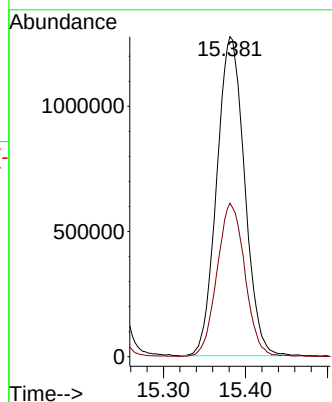
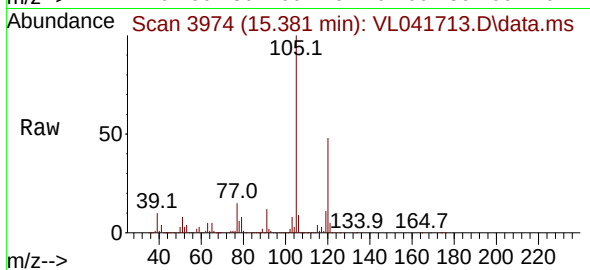
VL1121ABS01

Tgt Ion:105 Resp: 2999740

Ion Ratio Lower Upper

105 100

120 48.0 38.4 57.6



#74

1,2,4-Trimethylbenzene

Concen: 8.327 ppbv

RT: 16.140 min Scan# 4210

Delta R.T. 0.000 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Tgt Ion:105 Resp: 3320988

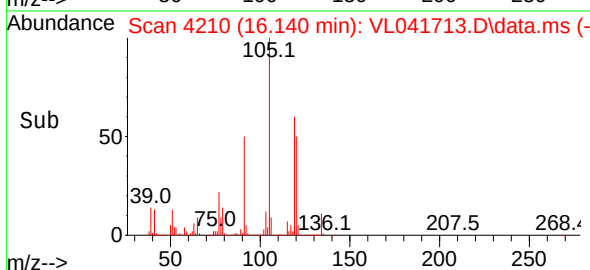
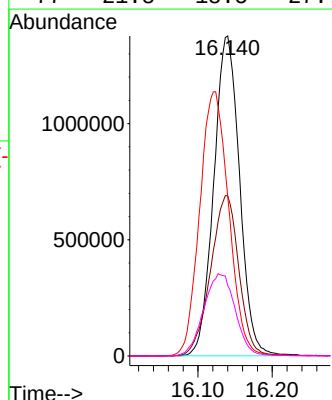
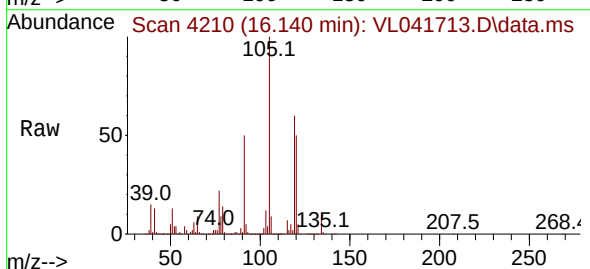
Ion Ratio Lower Upper

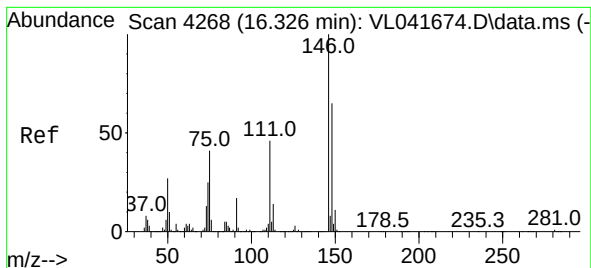
105 100

120 49.8 39.8 59.8

91 49.6 43.2 64.8

77 21.8 18.5 27.7





#75

1,3-Dichlorobenzene

Concen: 8.212 ppbv

RT: 16.362 min Scan# 4324

Delta R.T. 0.000 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

Instrument :

MSVOA_L

ClientSampleId :

VL1121ABS01

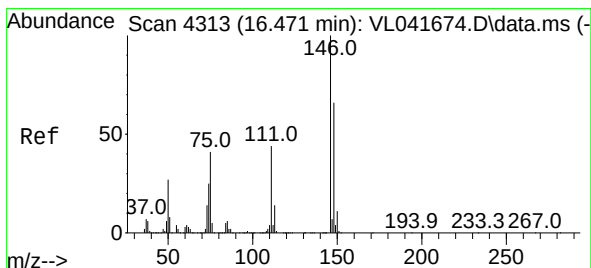
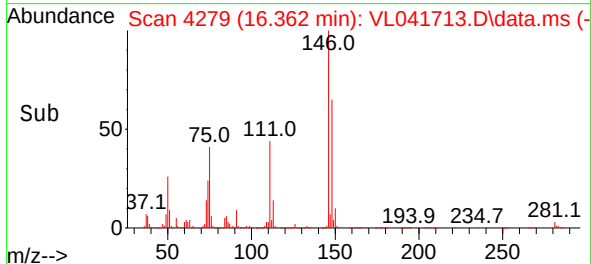
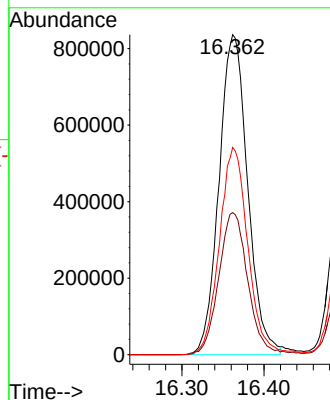
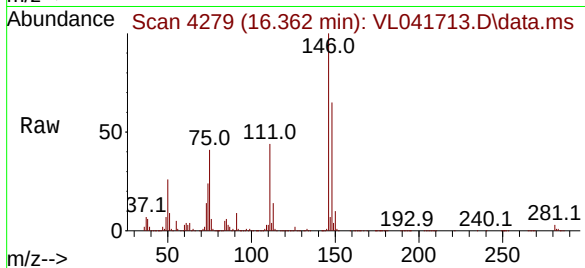
Tgt Ion:146 Resp: 2028386

Ion Ratio Lower Upper

146 100

111 45.2 22.8 68.3

148 64.6 32.4 97.0



#76

1,4-Dichlorobenzene

Concen: 8.350 ppbv

RT: 16.506 min Scan# 4324

Delta R.T. 0.000 min

Lab File: VL041713.D

Acq: 21 Nov 2024 10:16

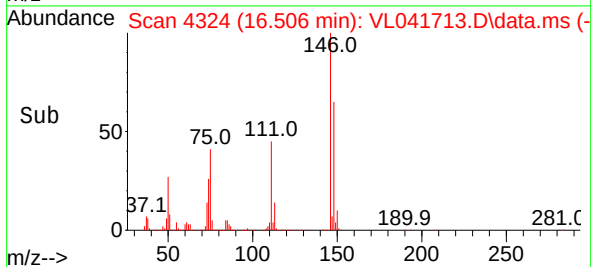
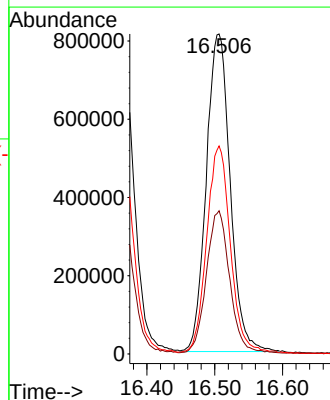
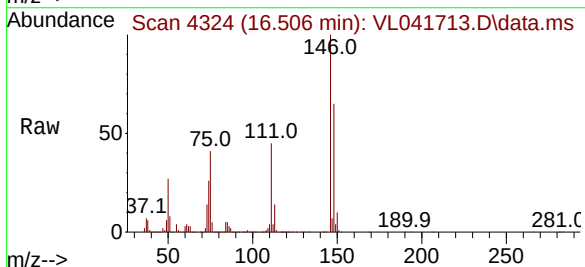
Tgt Ion:146 Resp: 1989769

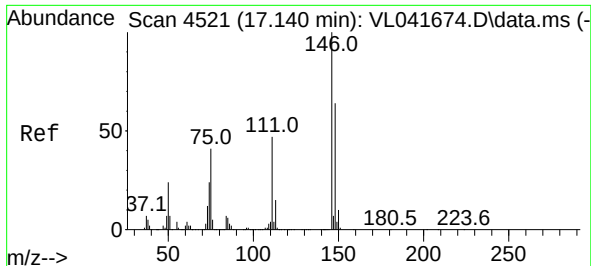
Ion Ratio Lower Upper

146 100

111 44.3 22.1 66.3

148 65.4 33.3 99.8

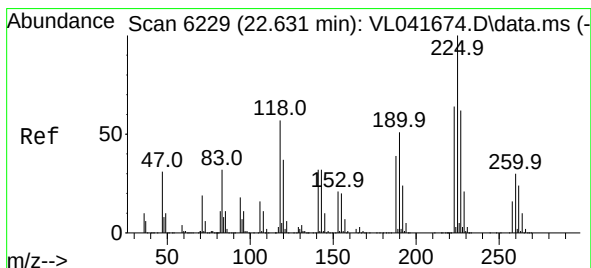
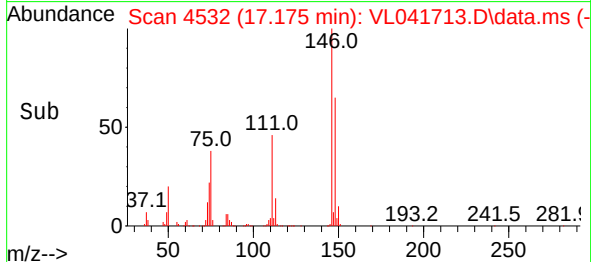
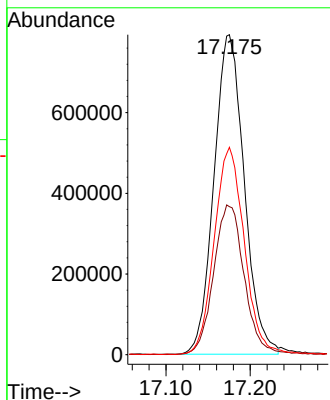
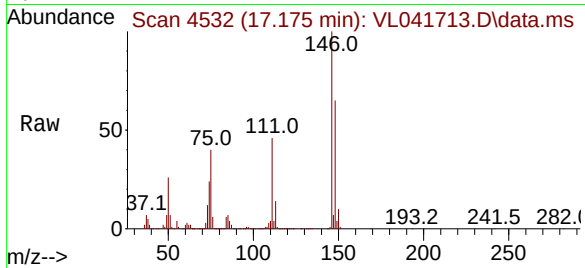




#77
1,2-Dichlorobenzene
Concen: 8.069 ppbv
RT: 17.175 min Scan# 4532
Delta R.T. 0.000 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

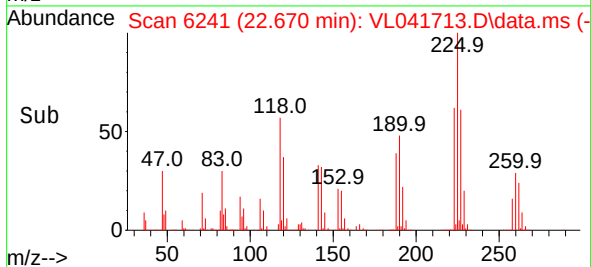
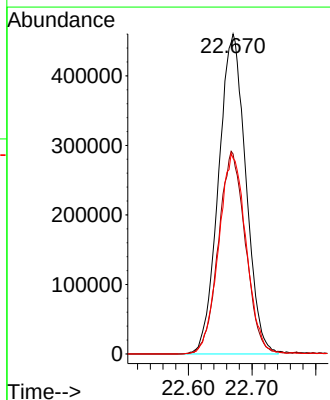
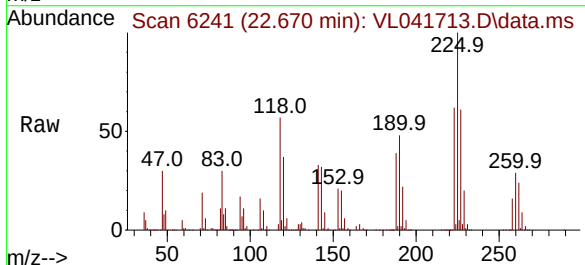
Instrument :
MSVOA_1
ClientSampleId :
VL1121ABS01

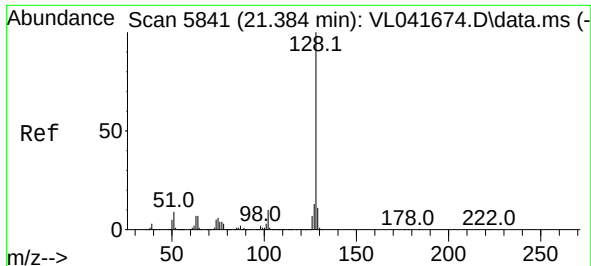
Tgt Ion:146 Resp: 1974338
Ion Ratio Lower Upper
146 100
111 47.5 23.4 70.3
148 64.8 32.1 96.5



#78
Hexachloro-1,3-Butadiene
Concen: 7.089 ppbv
RT: 22.670 min Scan# 6241
Delta R.T. 0.006 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

Tgt Ion:225 Resp: 1371815
Ion Ratio Lower Upper
225 100
223 62.8 51.1 76.7
227 63.3 51.3 76.9

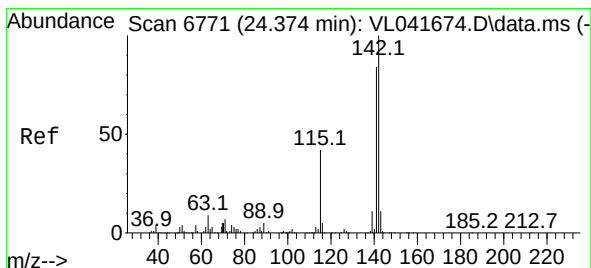
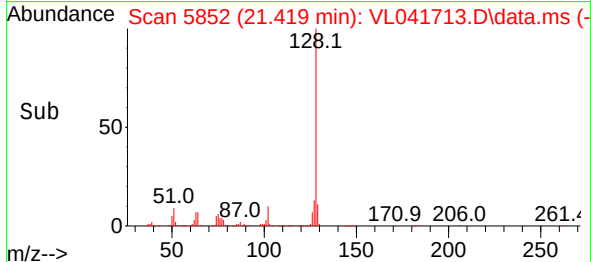
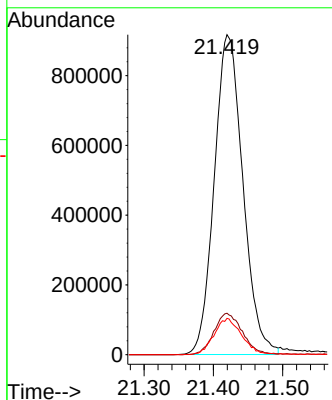
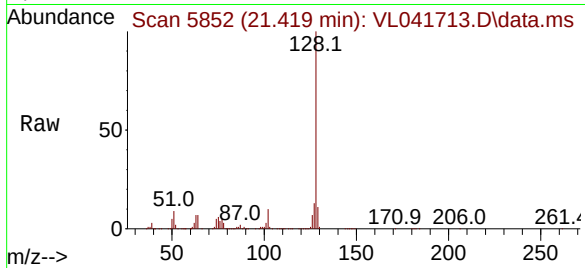




#79
Naphthalene
Concen: 10.695 ppbv
RT: 21.419 min Scan# 5852
Delta R.T. 0.000 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

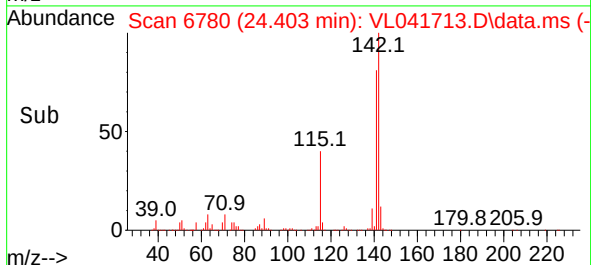
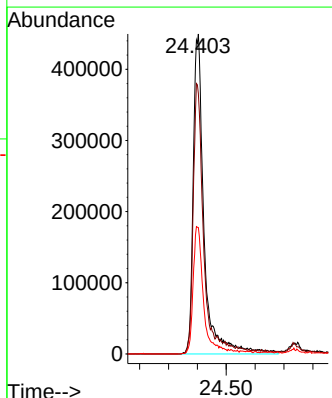
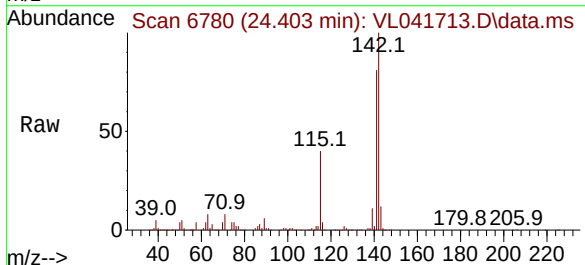
Instrument :
MSVOA_1
ClientSampleId :
VL1121ABS01

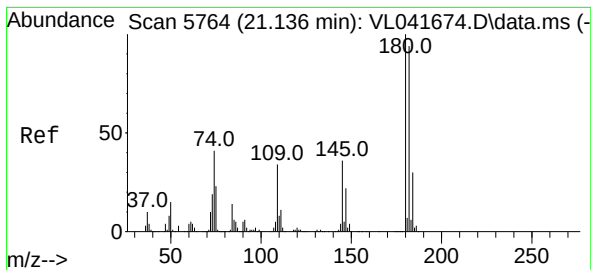
Tgt Ion:128 Resp: 2632672
Ion Ratio Lower Upper
128 100
127 13.0 10.5 15.7
129 11.3 8.7 13.1



#80
Naphthalene, 2-methyl-
Concen: 21.939 ppbv
RT: 24.403 min Scan# 6780
Delta R.T. 0.003 min
Lab File: VL041713.D
Acq: 21 Nov 2024 10:16

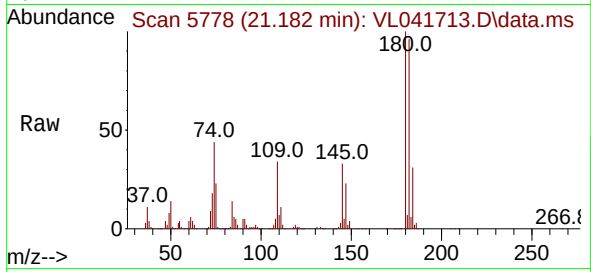
Tgt Ion:142 Resp: 1177283
Ion Ratio Lower Upper
142 100
141 81.4 68.1 102.1
115 38.6 33.1 49.7



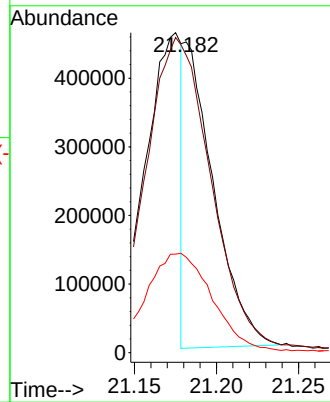
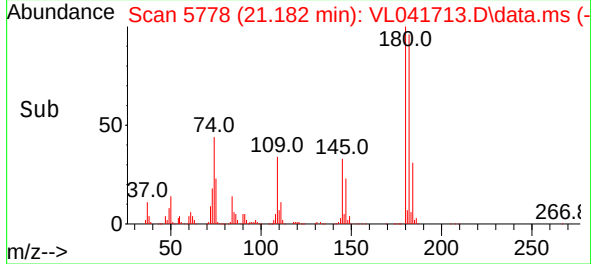


#81
 1,2,4-Trichlorobenzene
 Concen: 3.635 ppbv
 RT: 21.182 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VL041713.D
 Acq: 21 Nov 2024 10:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1121ABS01



Tgt Ion:180 Resp: 562756
 Ion Ratio Lower Upper
 180 100
 182 0.0 78.2 117.2#
 184 75.8 25.0 37.4#



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112124\
 Data File : VL041714.D
 Acq On : 21 Nov 2024 14:12
 Operator : SY/MD
 Sample : P4633-01DL 2X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 E070-1100DL

Quant Time: Nov 22 01:07:51 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Nov 22 01:00:55 2024
 Response via : Initial Calibration

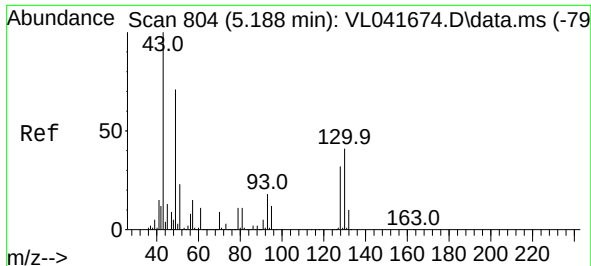
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.230	49	1043249	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.690	114	2930669	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.504	117	2692925	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.812	95	2181457	10.994	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	109.900%

Target Compounds						Qvalue
4) Chloromethane	2.851	50	14851	0.206	ppbv	95
5) Vinyl Chloride	3.237	62	25032	0.386	ppbv #	1
7) Chloroethane	3.237	64	591710	25.032	ppbv	98
10) Heptane	7.619	43	1604286	12.088	ppbv	99
13) Ethanol	3.288	45	1816	0.501	ppbv #	40
15) Acetone	3.517	43	135154	1.053	ppbv	90
17) tert-Butyl alcohol	3.919	59	37245	0.331	ppbv #	72
18) 1,1-Dichloroethene	3.919	96	514801	9.832	ppbv	97
20) Methylene Chloride	3.970	84	13688	0.290	ppbv	89
23) Vinyl Acetate	4.661	43	3624	0.064	ppbv #	77
30) Cyclohexane	6.677	84	4721	0.054	ppbv #	1
35) Carbon Tetrachloride	6.533	117	2096970	13.562	ppbv	98
39) 1,2-Dichloropropane	7.285	63	8788	0.102	ppbv #	23
42) Bromodichloromethane	7.288	83	1571344	9.230	ppbv	99
43) Methyl Methacrylate	7.600	69	13341	0.175	ppbv #	1
44) 2,2,4-Trimethylpentane	7.619	57	784336	2.132	ppbv #	1
53) Toluene	9.259	91	4863423	21.298	ppbv	99
58) Ethyl Benzene	12.413	91	5865203	19.867	ppbv #	64
59) m/p-Xylene	12.413	91	5865203	22.185	ppbv	95
60) o-Xylene	13.095	91	4483154	17.783	ppbv	100
61) Styrene	13.095	104	98730	0.949	ppbv #	1
77) 1,2-Dichlorobenzene	17.179	146	2731245	14.901	ppbv	100
81) 1,2,4-Trichlorobenzene	21.182	180	1359517	11.723	ppbv	99

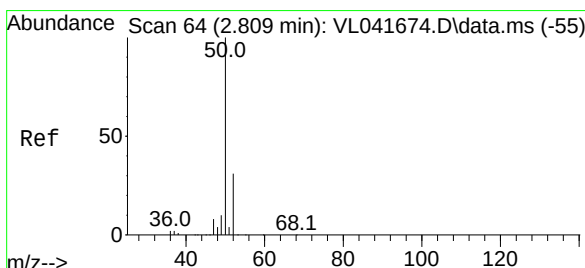
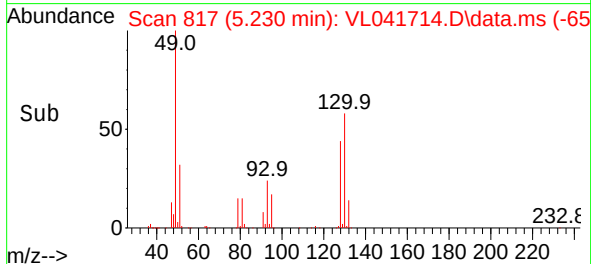
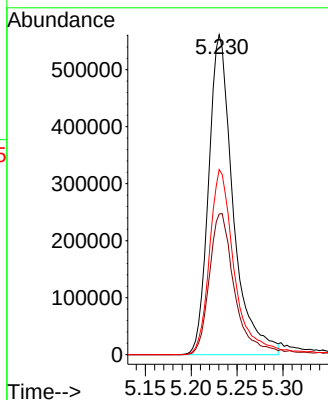
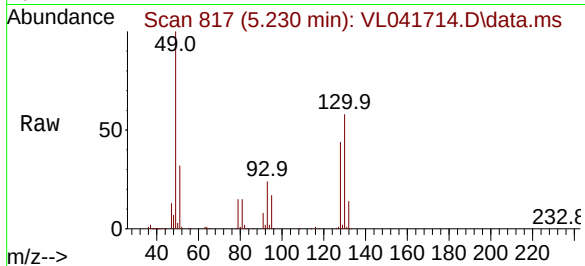
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.230 min Scan# 81
Delta R.T. 0.009 min
Lab File: VL041714.D
Acq: 21 Nov 2024 14:12

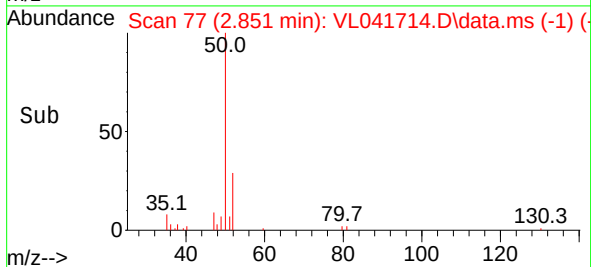
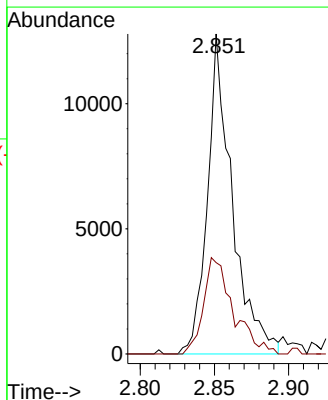
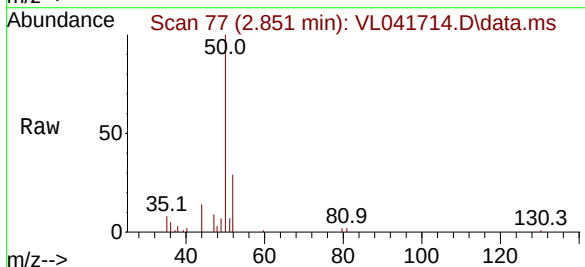
Instrument :
MSVOA_L
ClientSampleId :
E070-1100DL

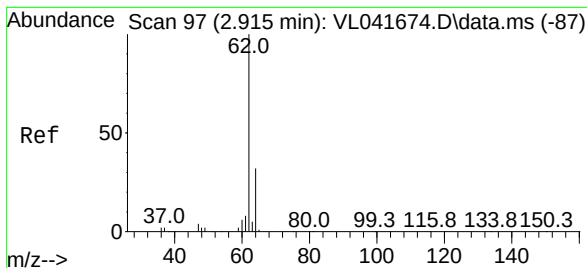
Tgt Ion: 49 Resp: 1043249
Ion Ratio Lower Upper
49 100
128 47.4 23.8 71.2
130 61.0 30.1 90.5



#4
Chloromethane
Concen: 0.206 ppbv
RT: 2.851 min Scan# 77
Delta R.T. 0.010 min
Lab File: VL041714.D
Acq: 21 Nov 2024 14:12

Tgt Ion: 50 Resp: 14851
Ion Ratio Lower Upper
50 100
52 28.6 24.9 37.3

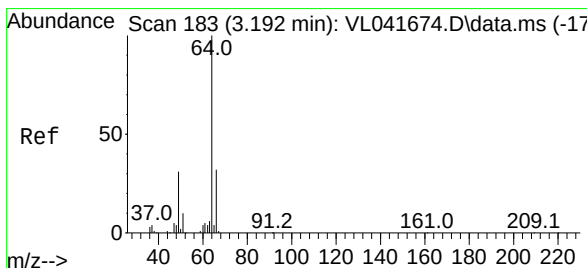
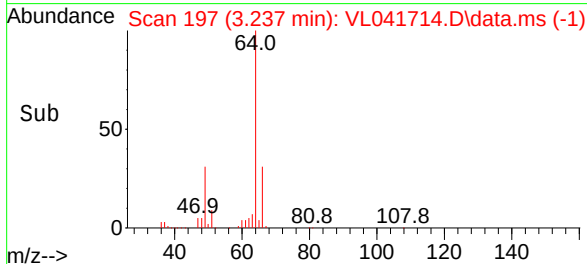
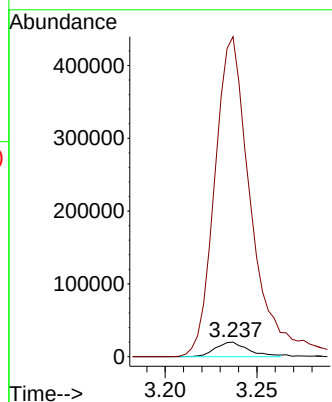
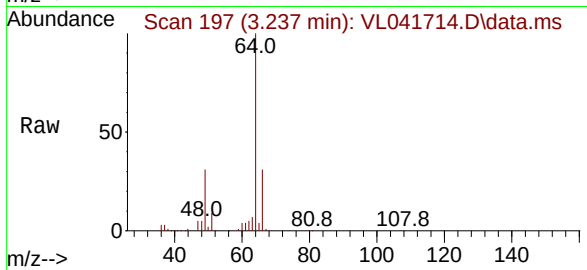




#5
 Vinyl Chloride
 Concen: 0.386 ppbv
 RT: 3.237 min Scan# 197
 Delta R.T. 0.289 min
 Lab File: VL041714.D
 Acq: 21 Nov 2024 14:12

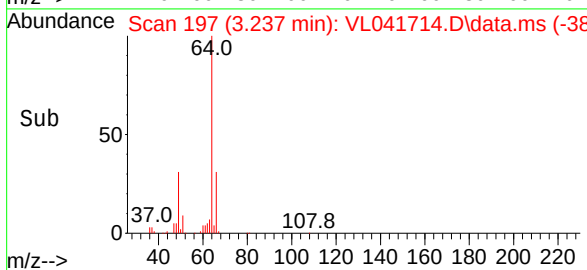
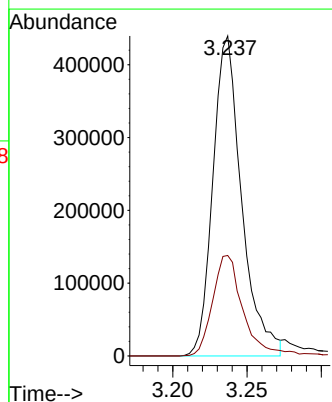
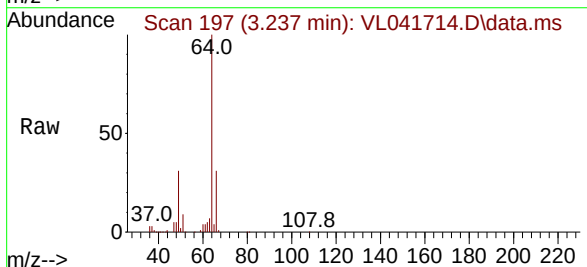
Instrument :
 MSVOA_L
 ClientSampleId :
 E070-1100DL

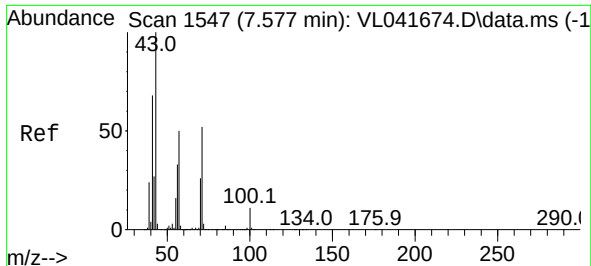
Tgt Ion: 62 Resp: 25032
 Ion Ratio Lower Upper
 62 100
 64 2186.5 25.4 38.2#



#7
 Chloroethane
 Concen: 25.032 ppbv
 RT: 3.237 min Scan# 197
 Delta R.T. 0.010 min
 Lab File: VL041714.D
 Acq: 21 Nov 2024 14:12

Tgt Ion: 64 Resp: 591710
 Ion Ratio Lower Upper
 64 100
 66 31.4 25.9 38.9





#10

Heptane

Concen: 12.088 ppbv

RT: 7.619 min Scan# 11

Delta R.T. 0.010 min

Lab File: VL041714.D

Acq: 21 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

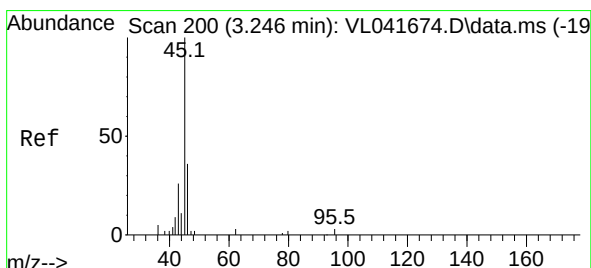
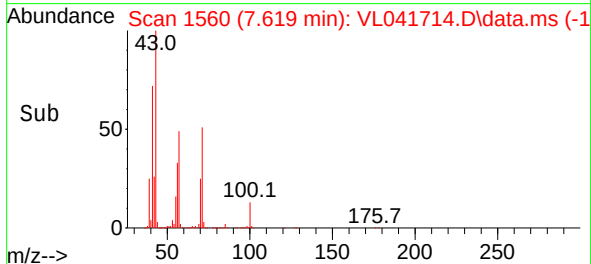
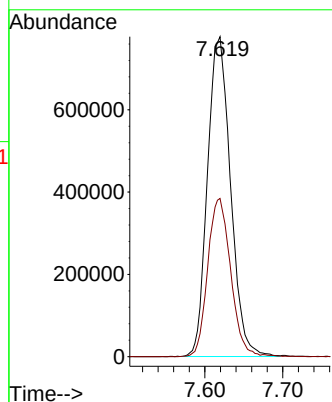
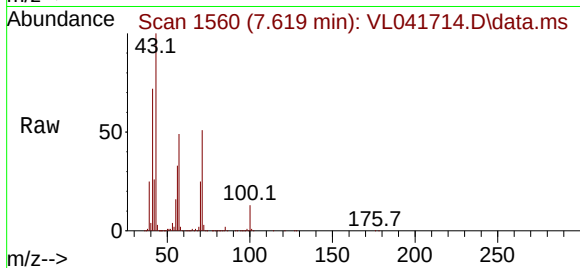
E070-1100DL

Tgt Ion: 43 Resp: 1604286

Ion Ratio Lower Upper

43 100

57 49.3 40.0 60.0



#13

Ethanol

Concen: 0.501 ppbv

RT: 3.288 min Scan# 213

Delta R.T. 0.013 min

Lab File: VL041714.D

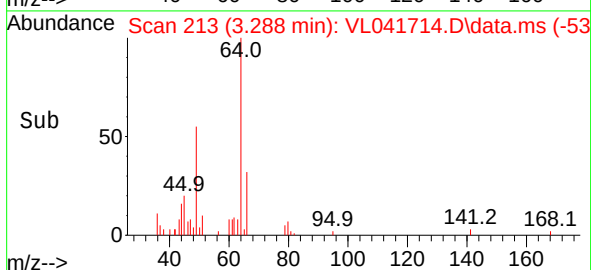
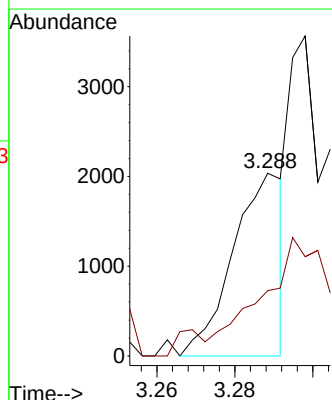
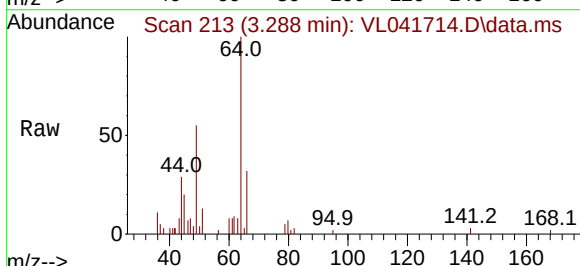
Acq: 21 Nov 2024 14:12

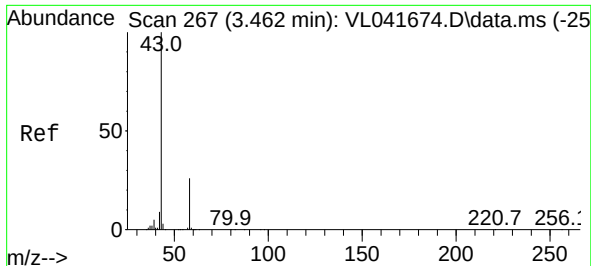
Tgt Ion: 45 Resp: 1816

Ion Ratio Lower Upper

45 100

46 0.0 13.8 55.2#

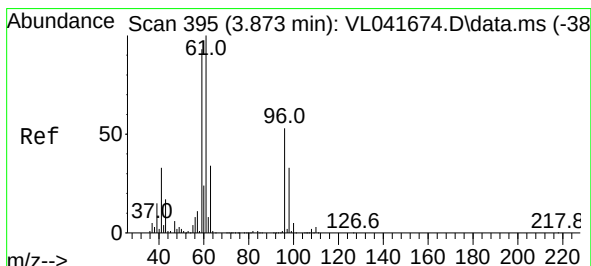
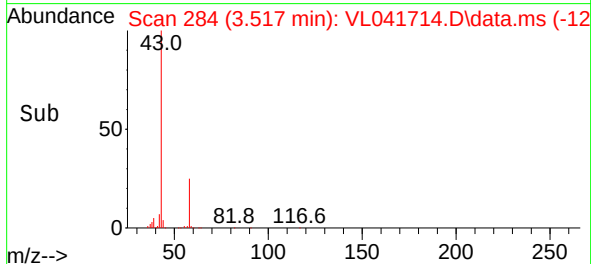
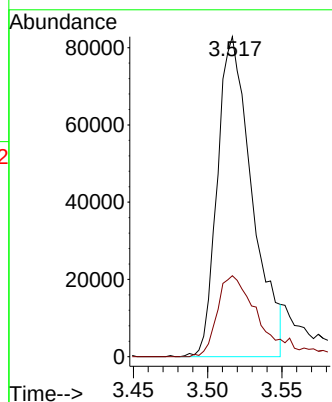
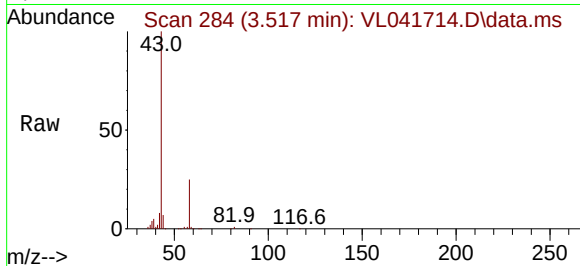




#15
Acetone
Concen: 1.053 ppbv
RT: 3.517 min Scan# 21
Delta R.T. 0.019 min
Lab File: VL041714.D
Acq: 21 Nov 2024 14:12

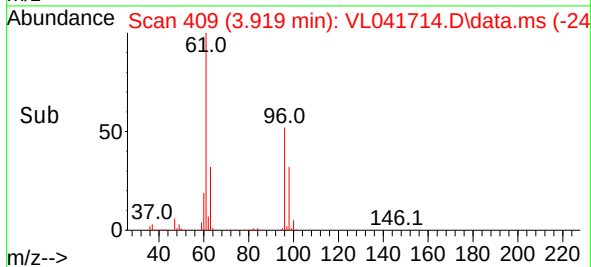
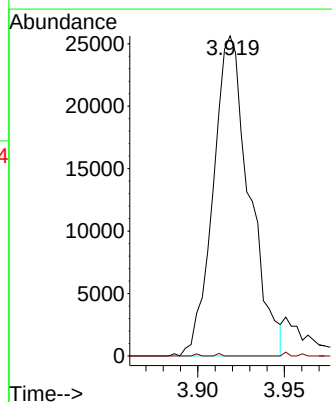
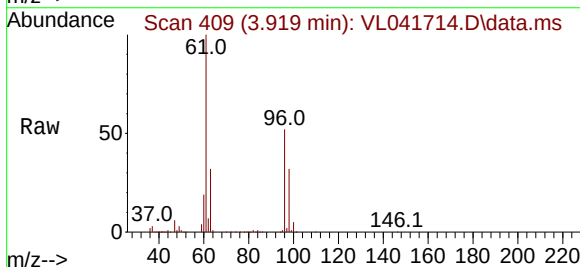
Instrument :
MSVOA_L
ClientSampleId :
E070-1100DL

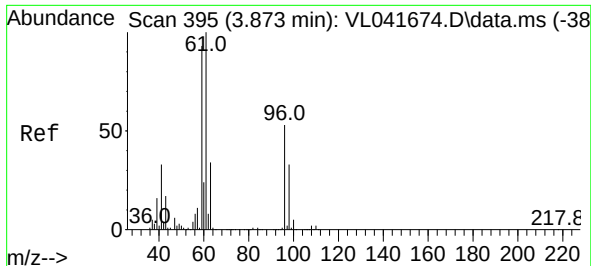
Tgt Ion: 43 Resp: 135154
Ion Ratio Lower Upper
43 100
58 31.9 21.4 32.0



#17
tert-Butyl alcohol
Concen: 0.331 ppbv
RT: 3.919 min Scan# 409
Delta R.T. 0.013 min
Lab File: VL041714.D
Acq: 21 Nov 2024 14:12

Tgt Ion: 59 Resp: 37245
Ion Ratio Lower Upper
59 100
57 0.2 8.5 12.7#





#18

1,1-Dichloroethene

Concen: 9.832 ppbv

RT: 3.919 min Scan# 409

Delta R.T. 0.010 min

Lab File: VL041714.D

Acq: 21 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

E070-1100DL

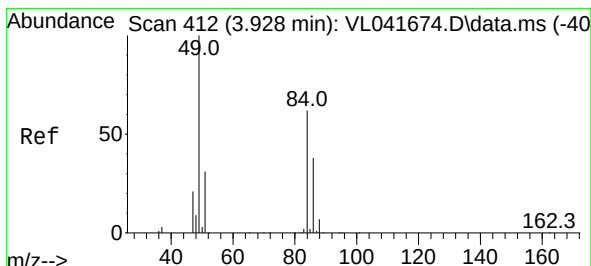
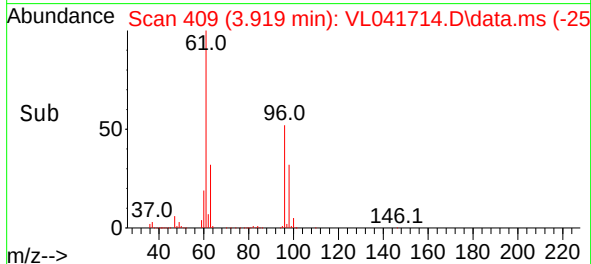
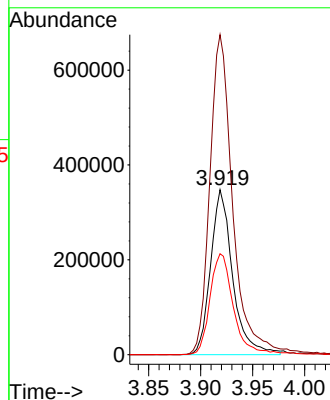
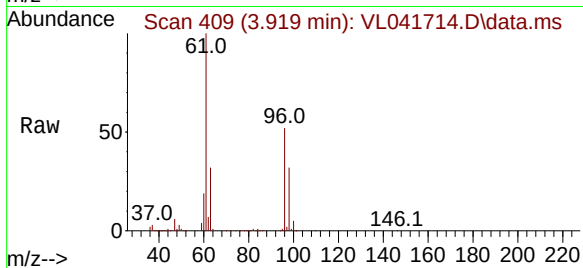
Tgt Ion: 96 Resp: 514801

Ion Ratio Lower Upper

96 100

61 194.0 150.7 226.1

98 61.1 49.4 74.2



#20

Methylene Chloride

Concen: 0.290 ppbv

RT: 3.970 min Scan# 425

Delta R.T. 0.010 min

Lab File: VL041714.D

Acq: 21 Nov 2024 14:12

Tgt Ion: 84 Resp: 13688

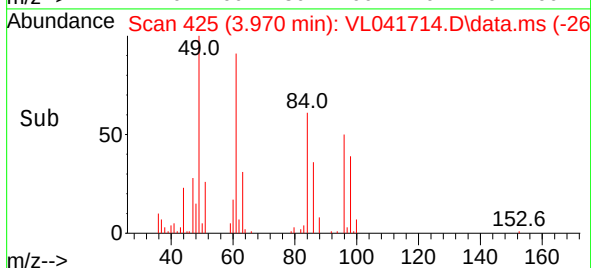
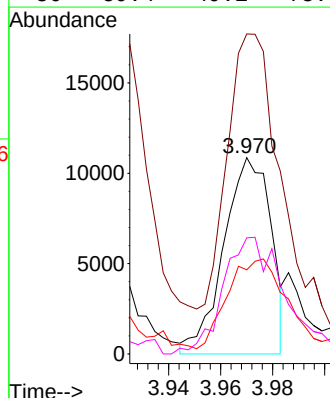
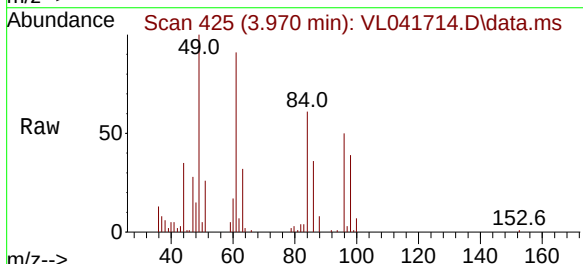
Ion Ratio Lower Upper

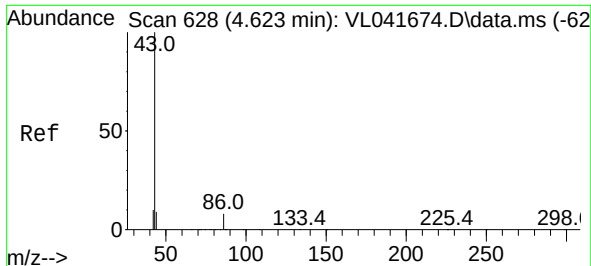
84 100

49 144.3 129.7 194.5

51 40.1 39.8 59.6

86 59.4 49.1 73.7



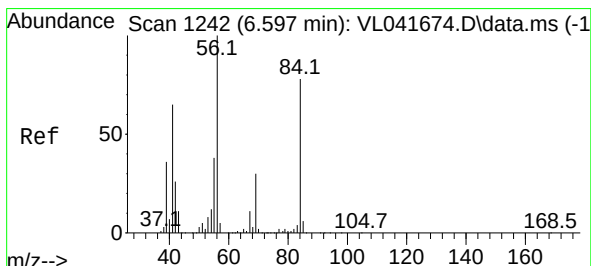
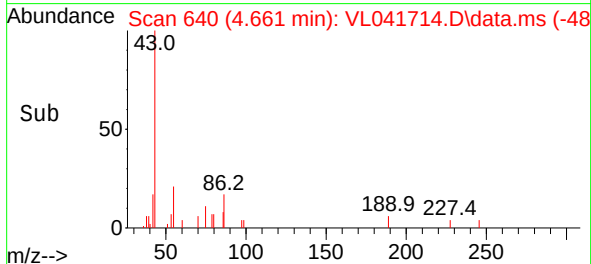
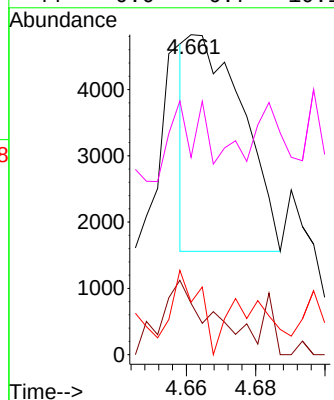
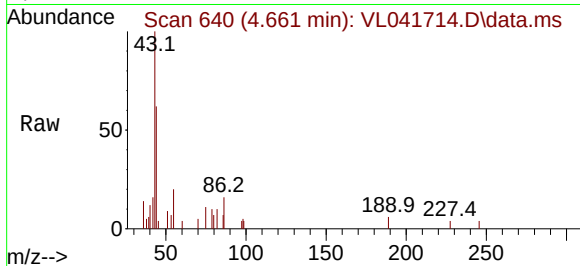


#23
Vinyl Acetate
Concen: 0.064 ppbv
RT: 4.661 min Scan# 640
Delta R.T. 0.006 min
Lab File: VL041714.D
Acq: 21 Nov 2024 14:12

Instrument :
MSVOA_1
ClientSampleId :
E070-1100DL

Tgt Ion: 43 Resp: 3624

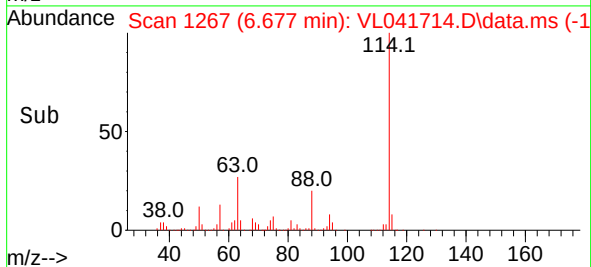
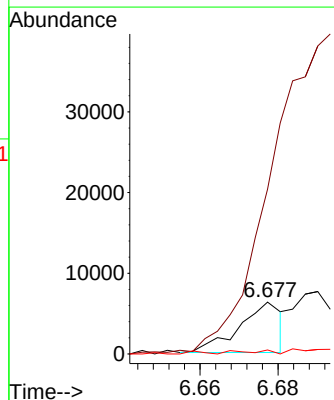
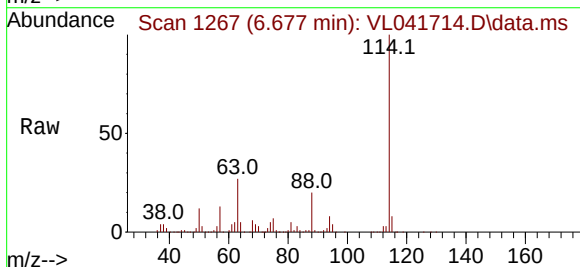
Ion	Ratio	Lower	Upper
43	100		
86	23.7	5.3	7.9#
42	12.5	8.5	12.7
44	0.0	6.7	10.1#

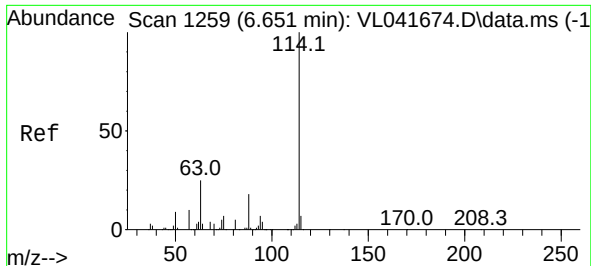


#30
Cyclohexane
Concen: 0.054 ppbv
RT: 6.677 min Scan# 1267
Delta R.T. 0.045 min
Lab File: VL041714.D
Acq: 21 Nov 2024 14:12

Tgt Ion: 84 Resp: 4721

Ion	Ratio	Lower	Upper
84	100		
56	1662.0	110.8	166.2#
41	21.8	70.0	105.0#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.690 min Scan# 11

Delta R.T. 0.006 min

Lab File: VL041714.D

Acq: 21 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

E070-1100DL

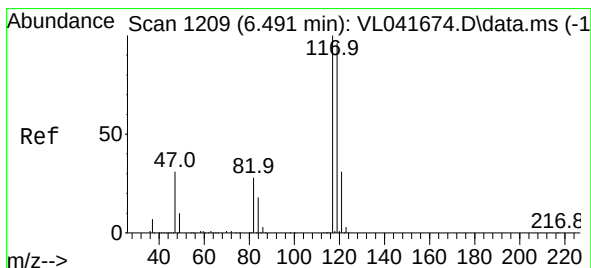
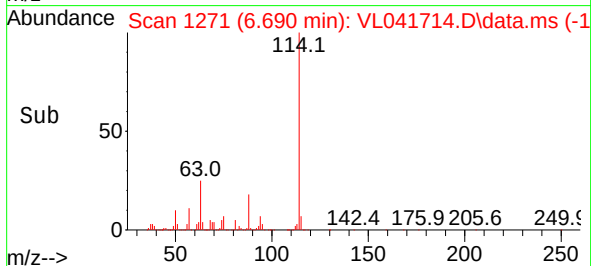
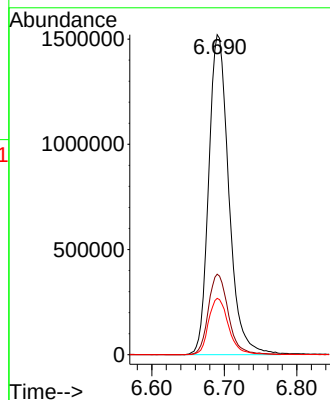
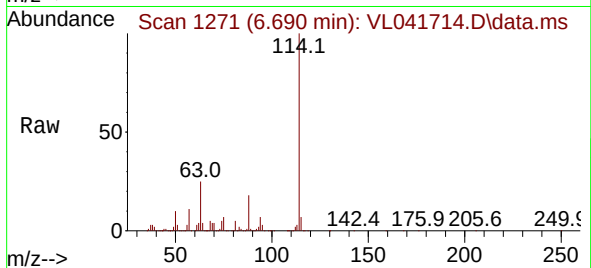
Tgt Ion:114 Resp: 2930669

Ion Ratio Lower Upper

114 100

63 25.2 20.3 30.5

88 17.6 14.2 21.4



#35

Carbon Tetrachloride

Concen: 13.562 ppbv

RT: 6.533 min Scan# 1222

Delta R.T. 0.006 min

Lab File: VL041714.D

Acq: 21 Nov 2024 14:12

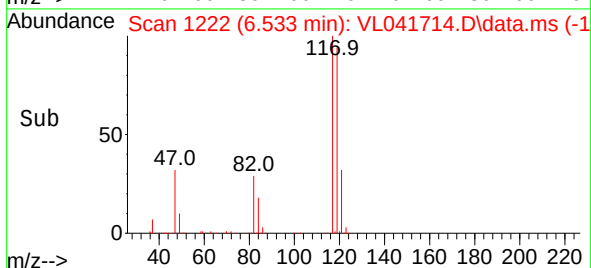
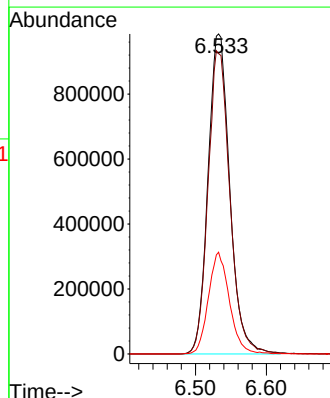
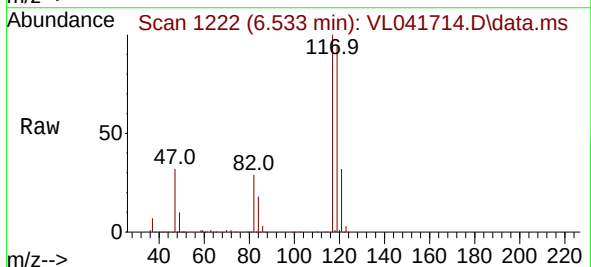
Tgt Ion:117 Resp: 2096970

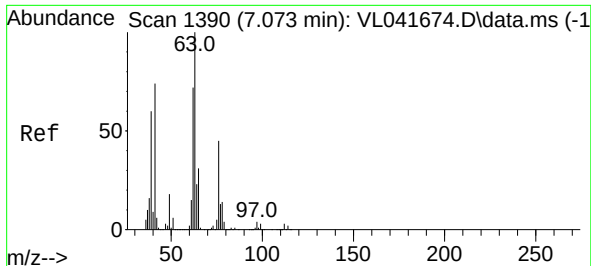
Ion Ratio Lower Upper

117 100

119 93.8 77.2 115.8

121 31.8 25.0 37.4





#39

1,2-Dichloropropane

Concen: 0.102 ppbv

RT: 7.285 min Scan# 1456

Delta R.T. 0.177 min

Lab File: VL041714.D

Acq: 21 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

E070-1100DL

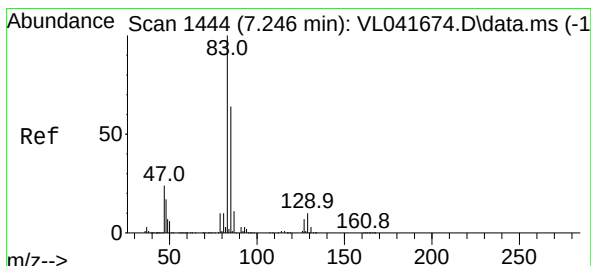
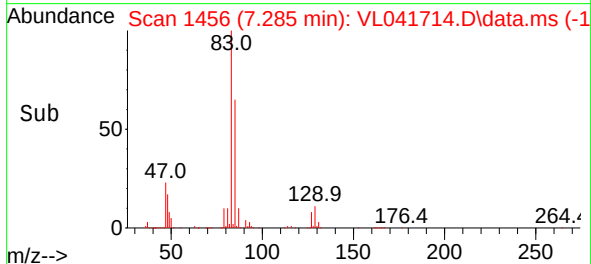
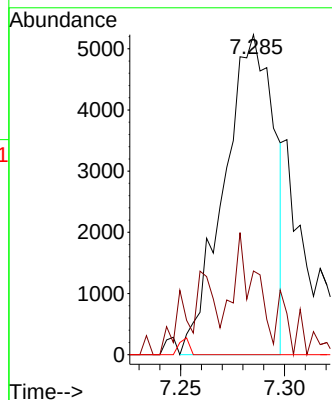
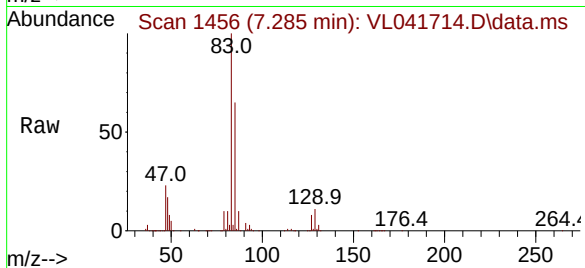
Tgt Ion: 63 Resp: 8788

Ion Ratio Lower Upper

63 100

41 17.0 59.1 88.7#

62 0.0 57.7 86.5#



#42

Bromodichloromethane

Concen: 9.230 ppbv

RT: 7.288 min Scan# 1457

Delta R.T. 0.006 min

Lab File: VL041714.D

Acq: 21 Nov 2024 14:12

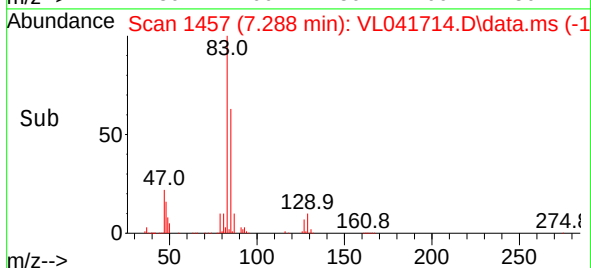
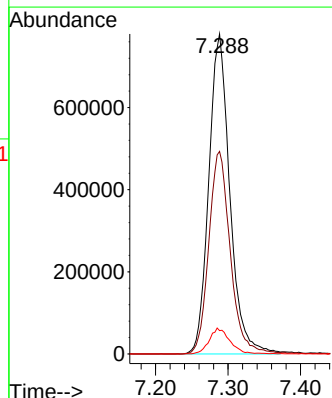
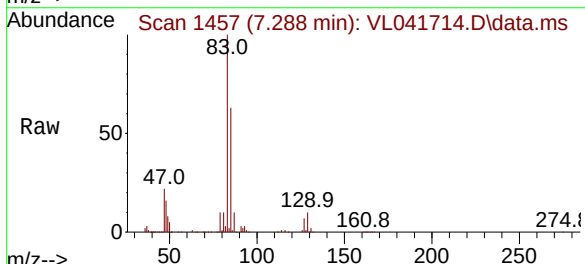
Tgt Ion: 83 Resp: 1571344

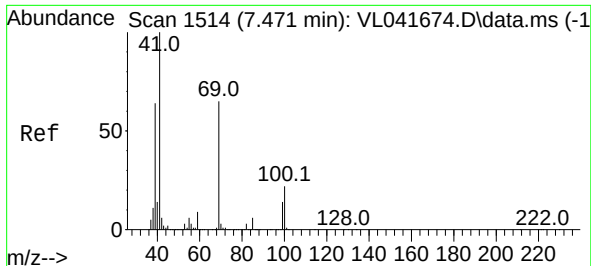
Ion Ratio Lower Upper

83 100

85 63.3 51.2 76.8

127 7.3 6.0 9.0





#43

Methyl Methacrylate

Concen: 0.175 ppbv

RT: 7.600 min Scan# 1554

Delta R.T. 0.093 min

Lab File: VL041714.D

Acq: 21 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

E070-1100DL

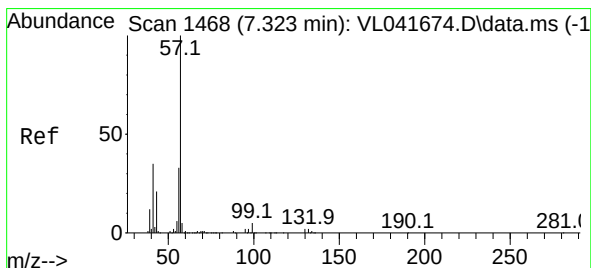
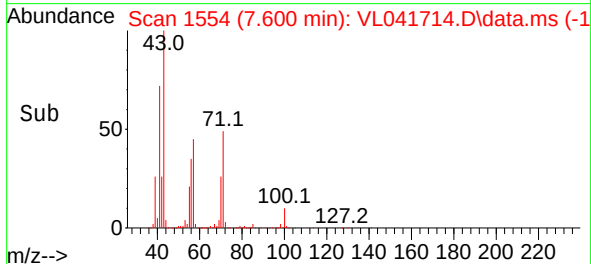
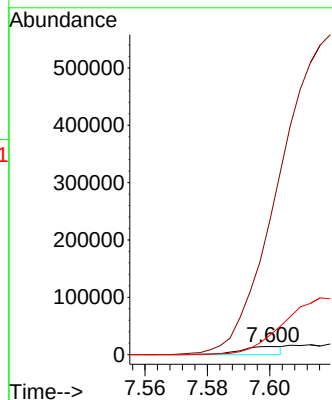
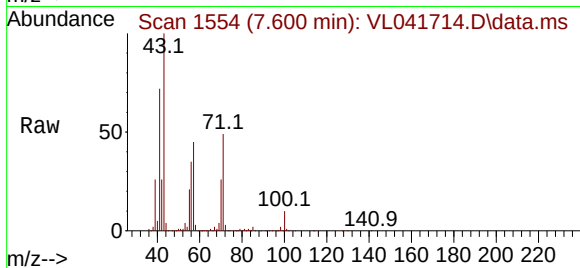
Tgt Ion: 69 Resp: 13341

Ion Ratio Lower Upper

69 100

41 0.0 119.8 179.6#

100 0.0 27.3 40.9#



#44

2,2,4-Trimethylpentane

Concen: 2.132 ppbv

RT: 7.619 min Scan# 1560

Delta R.T. 0.264 min

Lab File: VL041714.D

Acq: 21 Nov 2024 14:12

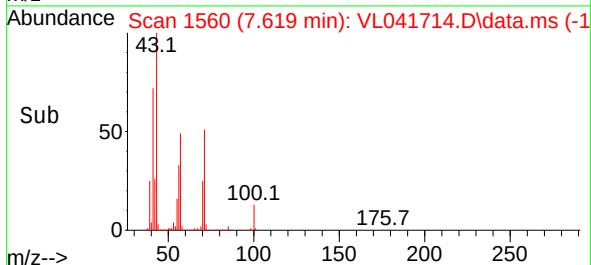
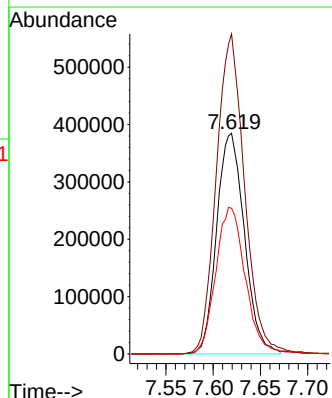
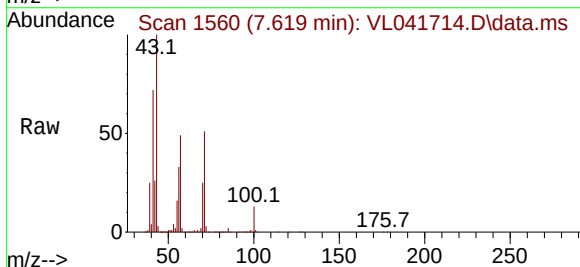
Tgt Ion: 57 Resp: 784336

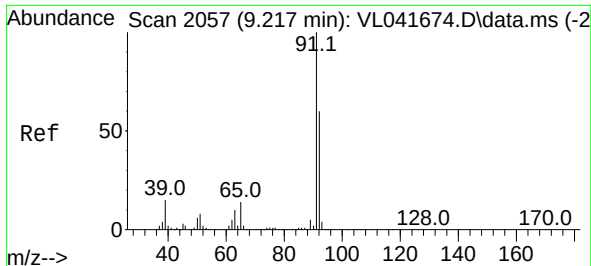
Ion Ratio Lower Upper

57 100

41 148.2 27.0 40.6#

56 71.2 25.8 38.6#





#53

Toluene

Concen: 21.298 ppbv

RT: 9.259 min Scan# 2057

Delta R.T. 0.007 min

Lab File: VL041714.D

Acq: 21 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

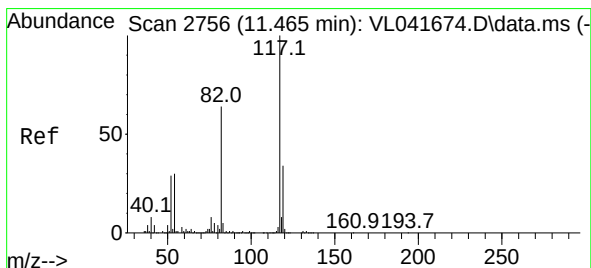
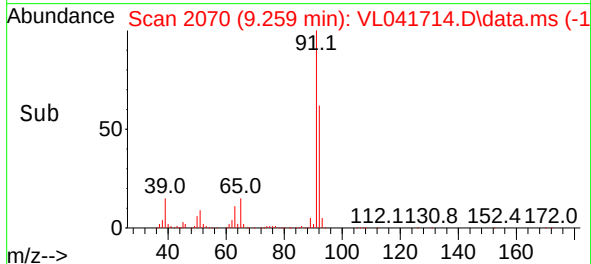
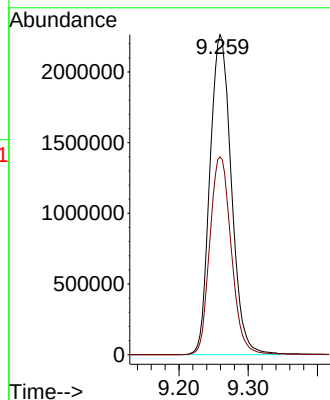
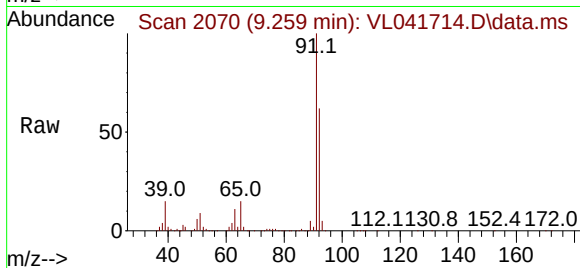
E070-1100DL

Tgt Ion: 91 Resp: 4863423

Ion Ratio Lower Upper

91 100

92 62.1 49.0 73.4



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.504 min Scan# 2768

Delta R.T. 0.007 min

Lab File: VL041714.D

Acq: 21 Nov 2024 14:12

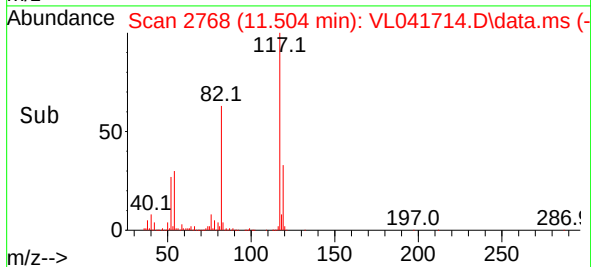
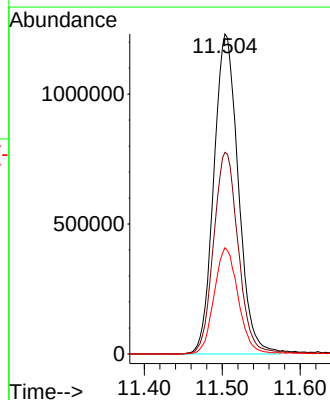
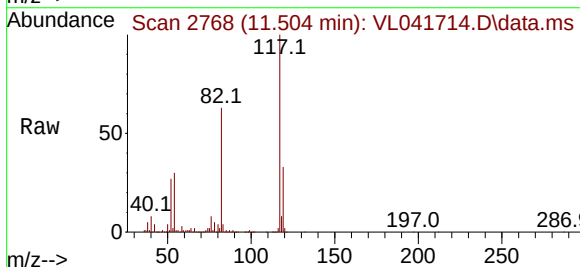
Tgt Ion: 117 Resp: 2692925

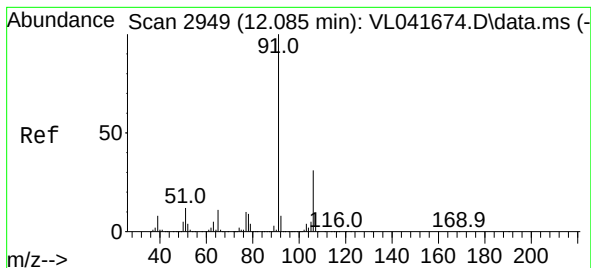
Ion Ratio Lower Upper

117 100

82 64.3 49.8 74.8

119 32.9 24.2 36.4





#58

Ethyl Benzene

Concen: 19.867 ppbv

RT: 12.413 min Scan# 3051

Delta R.T. 0.293 min

Lab File: VL041714.D

Acq: 21 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

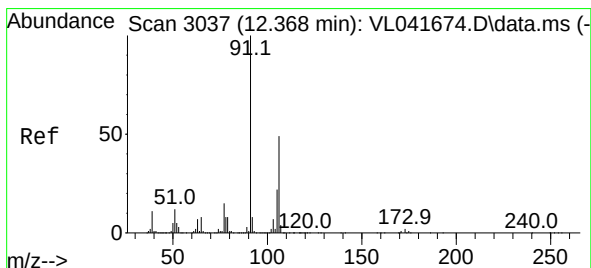
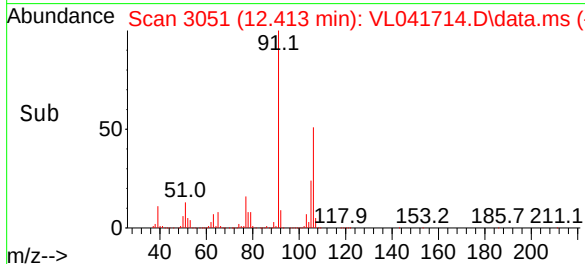
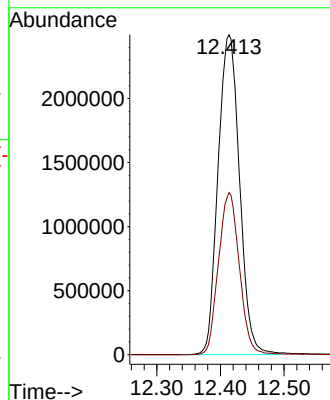
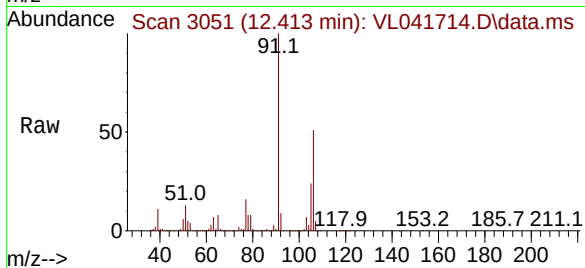
E070-1100DL

Tgt Ion: 91 Resp: 5865203

Ion Ratio Lower Upper

91 100

106 50.7 24.9 37.3#



#59

m/p-Xylene

Concen: 22.185 ppbv

RT: 12.413 min Scan# 3051

Delta R.T. 0.010 min

Lab File: VL041714.D

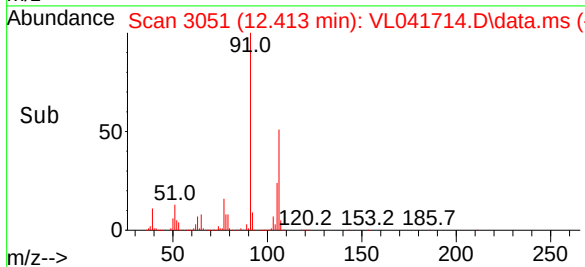
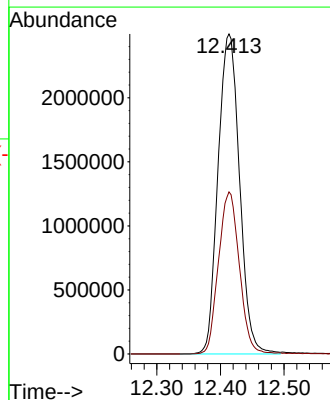
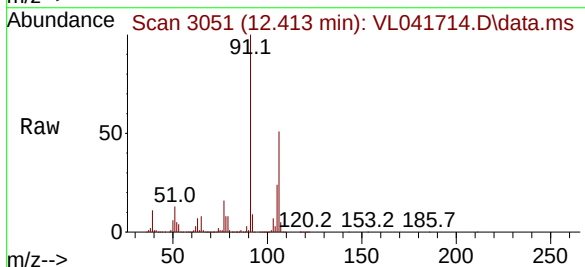
Acq: 21 Nov 2024 14:12

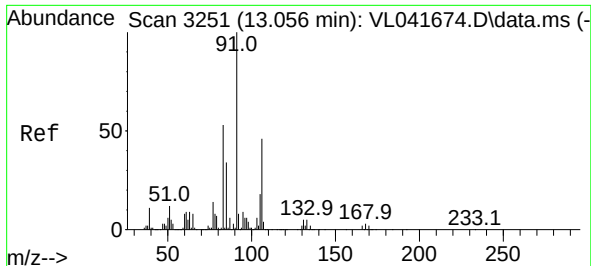
Tgt Ion: 91 Resp: 5865203

Ion Ratio Lower Upper

91 100

106 49.3 36.9 55.3

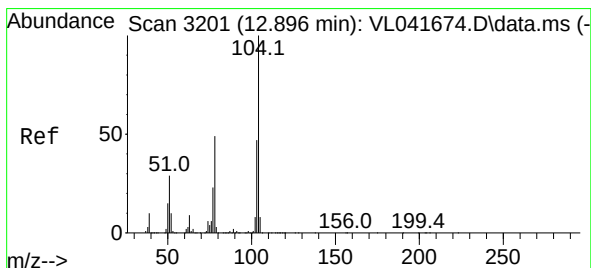
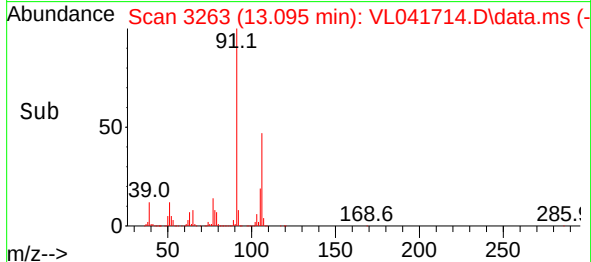
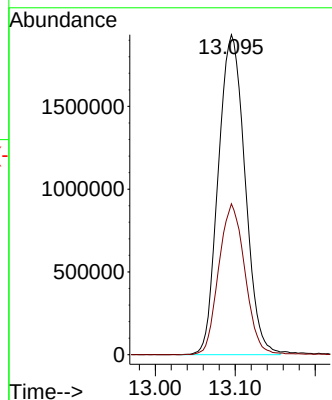
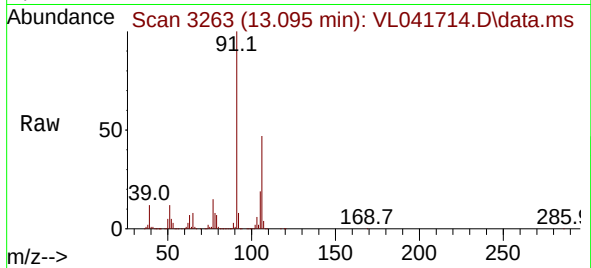




#60
o-Xylene
Concen: 17.783 ppbv
RT: 13.095 min Scan# 3263
Delta R.T. 0.006 min
Lab File: VL041714.D
Acq: 21 Nov 2024 14:12

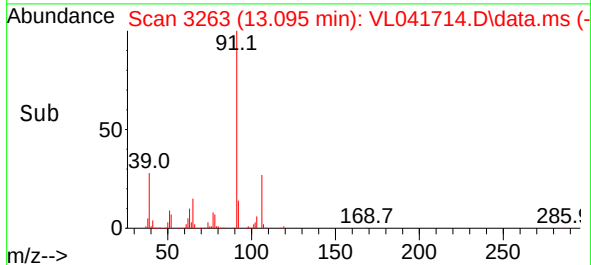
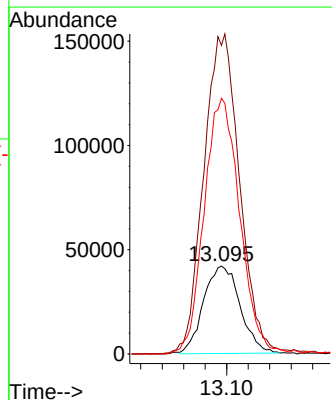
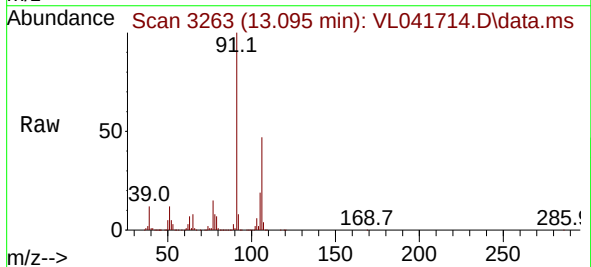
Instrument :
MSVOA_L
ClientSampleId :
E070-1100DL

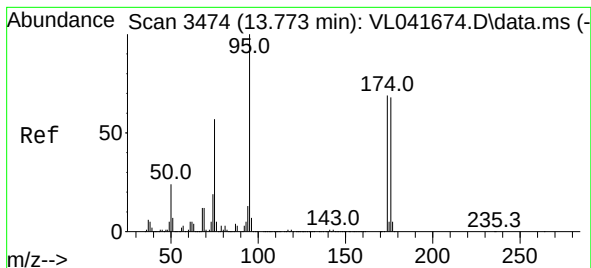
Tgt Ion: 91 Resp: 4483154
Ion Ratio Lower Upper
91 100
106 46.5 23.2 69.6



#61
Styrene
Concen: 0.949 ppbv
RT: 13.095 min Scan# 3263
Delta R.T. 0.167 min
Lab File: VL041714.D
Acq: 21 Nov 2024 14:12

Tgt Ion:104 Resp: 98730
Ion Ratio Lower Upper
104 100
78 365.2 39.8 59.8#
103 287.5 37.4 56.0#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.994 ppbv

RT: 13.812 min Scan# 3474

Delta R.T. 0.006 min

Lab File: VL041714.D

Acq: 21 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

E070-1100DL

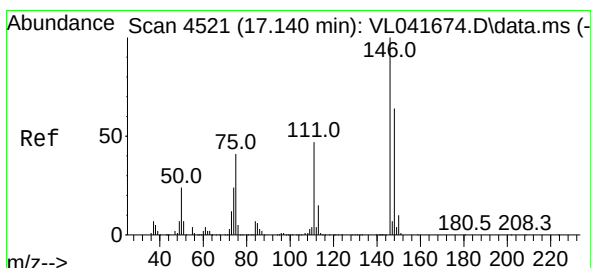
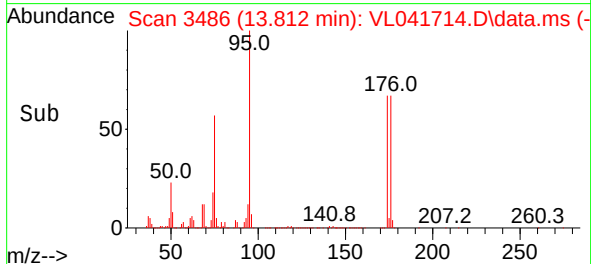
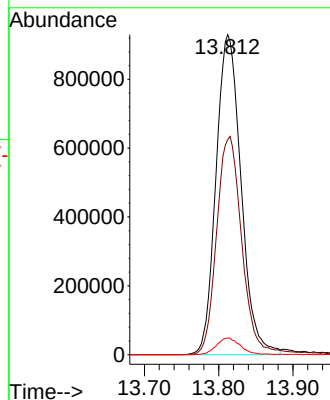
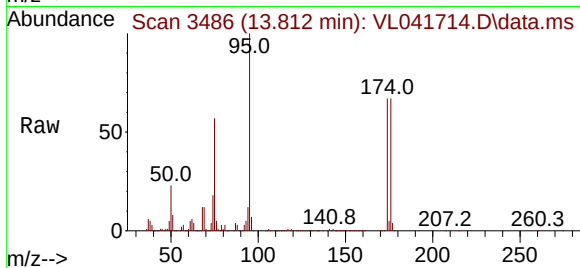
Tgt Ion: 95 Resp: 2181457

Ion Ratio Lower Upper

95 100

174 69.7 55.6 83.4

175 5.1 4.2 6.2



#77

1,2-Dichlorobenzene

Concen: 14.901 ppbv

RT: 17.179 min Scan# 4533

Delta R.T. 0.003 min

Lab File: VL041714.D

Acq: 21 Nov 2024 14:12

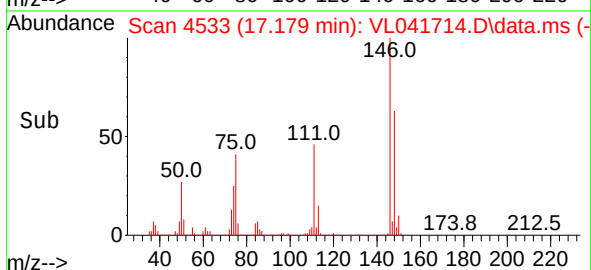
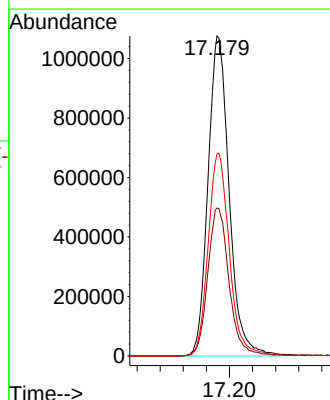
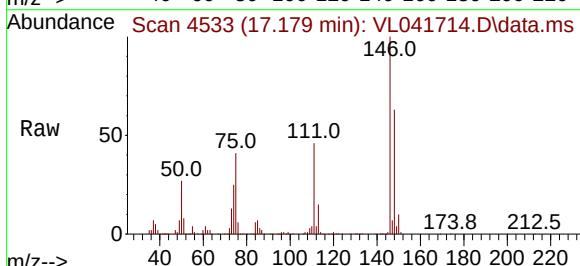
Tgt Ion:146 Resp: 2731245

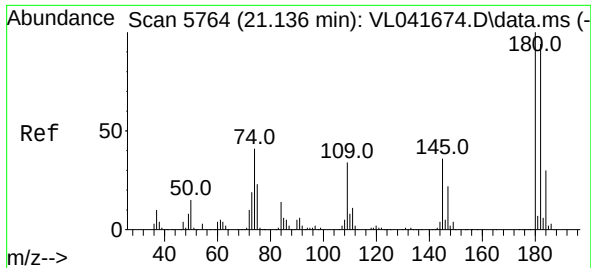
Ion Ratio Lower Upper

146 100

111 46.8 23.4 70.3

148 63.9 32.1 96.5





#81

1,2,4-Trichlorobenzene

Concen: 11.723 ppbv

RT: 21.182 min Scan# 5

Delta R.T. 0.006 min

Lab File: VL041714.D

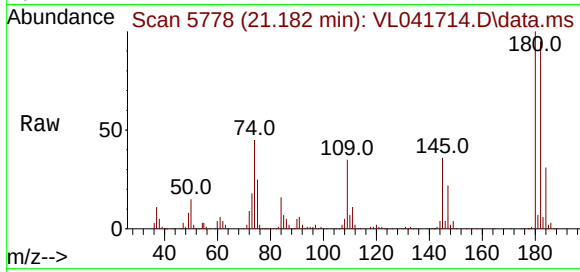
Acq: 21 Nov 2024 14:12

Instrument :

MSVOA_L

ClientSampleId :

E070-1100DL



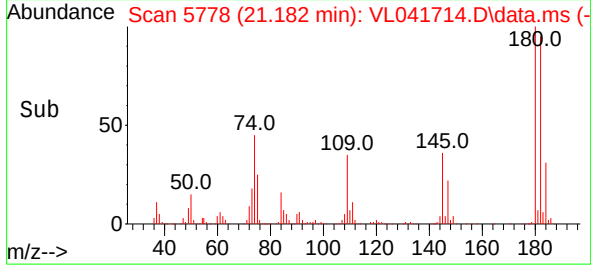
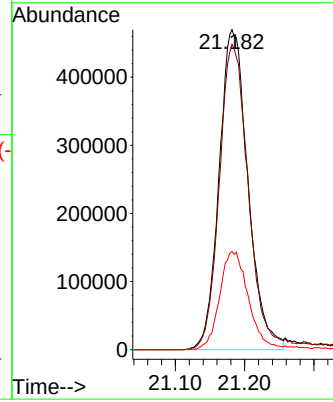
Tgt Ion:180 Resp: 1359517

Ion Ratio Lower Upper

180 100

182 99.3 78.2 117.2

184 31.4 25.0 37.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112124\
 Data File : VL041715.D
 Acq On : 21 Nov 2024 15:06
 Operator : SY/MD
 Sample : P4633-01DL2 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 E070-1100DL2

Quant Time: Nov 22 01:08:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Nov 22 01:00:55 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.230	49	1063727	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.687	114	2922287	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.503	117	2654968	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.812	95	2071565	10.590	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.900%

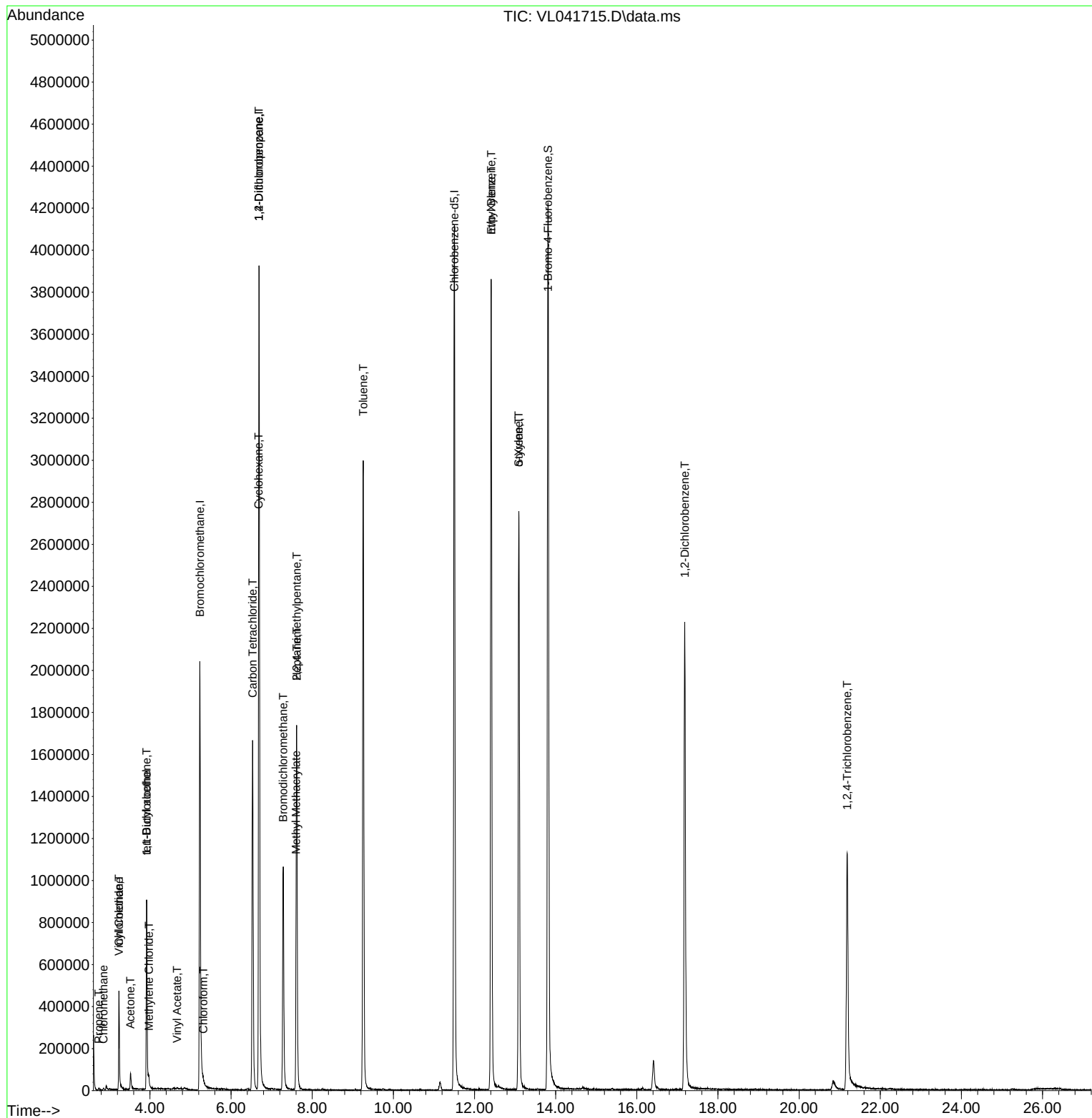
Target Compounds						Qvalue
4) Chloromethane	2.854	50	7310	0.100	ppbv #	81
5) Vinyl Chloride	3.234	62	5697	0.086	ppbv #	1
7) Chloroethane	3.237	64	289174	11.998	ppbv	100
9) Propene	2.738	41	3576	0.059	ppbv	88
10) Heptane	7.616	43	750273	5.544	ppbv	99
15) Acetone	3.520	43	85358	0.652	ppbv	91
17) tert-Butyl alcohol	3.918	59	18040	0.157	ppbv #	72
18) 1,1-Dichloroethene	3.918	96	244142	4.573	ppbv	96
20) Methylene Chloride	3.973	84	8783	0.182	ppbv	89
23) Vinyl Acetate	4.668	43	4465	0.077	ppbv #	82
29) Chloroform	5.314	83	5891	0.034	ppbv #	70
30) Cyclohexane	6.677	84	7038	0.079	ppbv #	1
35) Carbon Tetrachloride	6.532	117	1025832	6.653	ppbv	97
39) 1,2-Dichloropropane	6.687	63	730607	8.539	ppbv #	23
42) Bromodichloromethane	7.285	83	734738	4.328	ppbv	99
43) Methyl Methacrylate	7.600	69	10811	0.142	ppbv #	1
44) 2,2,4-Trimethylpentane	7.616	57	370349	1.010	ppbv #	1
53) Toluene	9.256	91	2347642	10.310	ppbv	100
58) Ethyl Benzene	12.410	91	2844916	9.774	ppbv #	69
59) m/p-Xylene	12.410	91	2844916	10.915	ppbv	96
60) o-Xylene	13.092	91	2141646	8.617	ppbv	100
61) Styrene	13.092	104	28930	0.282	ppbv #	1
77) 1,2-Dichlorobenzene	17.182	146	1217081	6.735	ppbv	100
81) 1,2,4-Trichlorobenzene	21.188	180	511649	4.475	ppbv	95

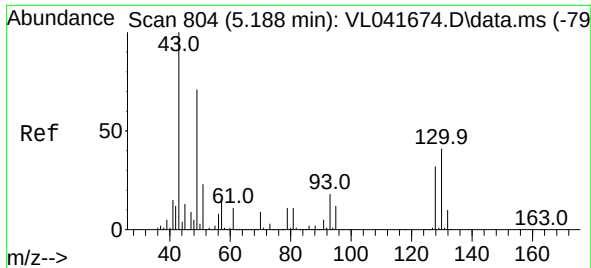
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112124\
Data File : VL041715.D
Acq On : 21 Nov 2024 15:06
Operator : SY/MD
Sample : P4633-01DL2 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
E070-1100DL2

Quant Time: Nov 22 01:08:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Fri Nov 22 01:00:55 2024
Response via : Initial Calibration

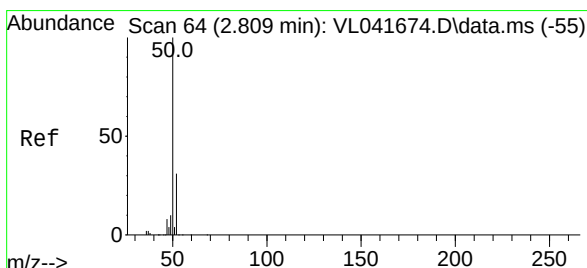
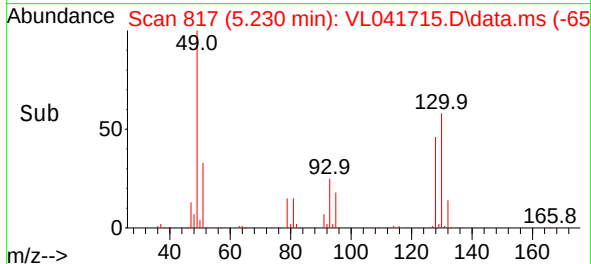
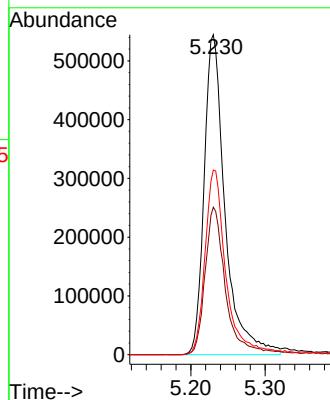
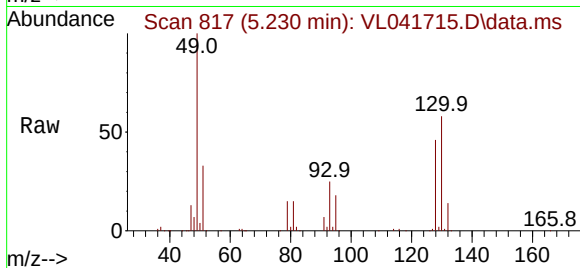




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.230 min Scan# 81
Delta R.T. 0.009 min
Lab File: VL041715.D
Acq: 21 Nov 2024 15:06

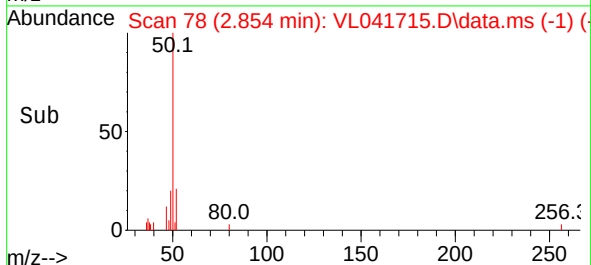
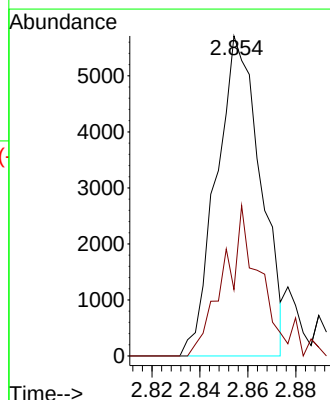
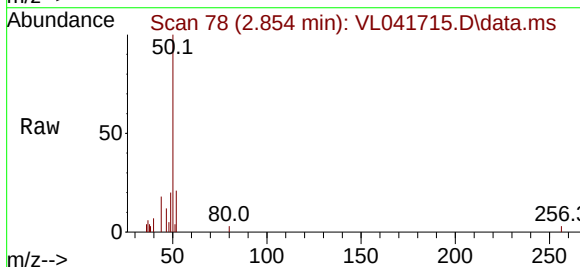
Instrument :
MSVOA_L
ClientSampleId :
E070-1100DL2

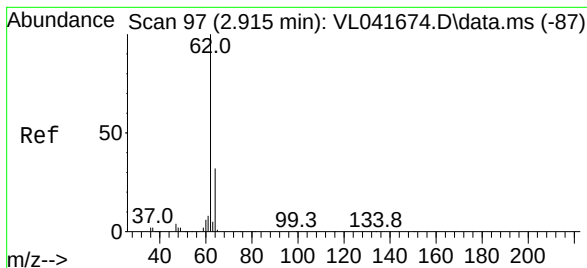
Tgt Ion: 49 Resp: 1063727
Ion Ratio Lower Upper
49 100
128 46.3 23.8 71.2
130 59.8 30.1 90.5



#4
Chloromethane
Concen: 0.100 ppbv
RT: 2.854 min Scan# 78
Delta R.T. 0.013 min
Lab File: VL041715.D
Acq: 21 Nov 2024 15:06

Tgt Ion: 50 Resp: 7310
Ion Ratio Lower Upper
50 100
52 20.8 24.9 37.3#

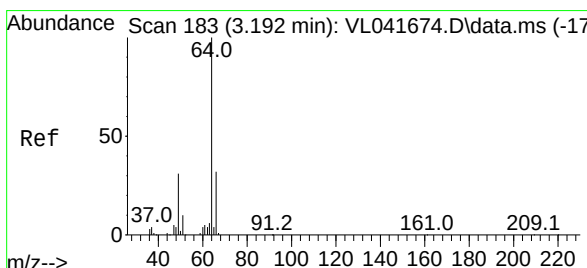
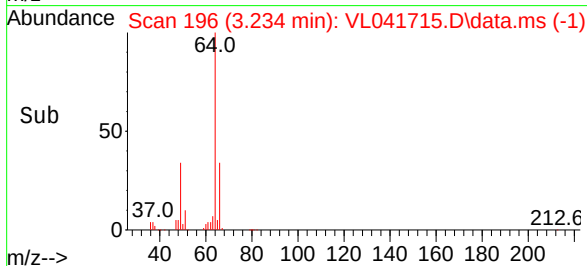
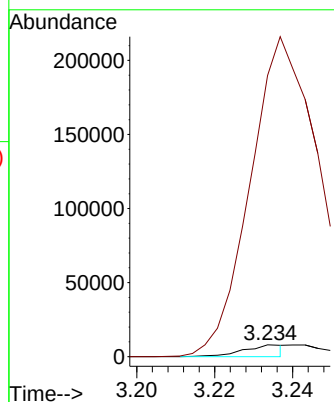
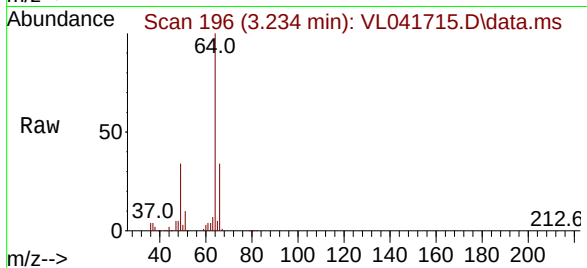




#5
 Vinyl Chloride
 Concen: 0.086 ppbv
 RT: 3.234 min Scan# 196
 Delta R.T. 0.286 min
 Lab File: VL041715.D
 Acq: 21 Nov 2024 15:06

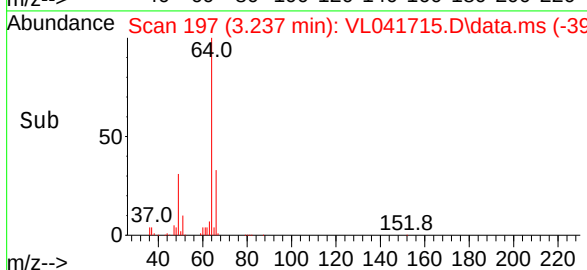
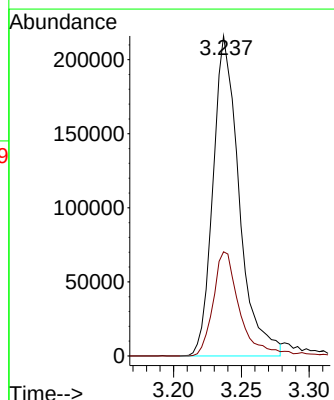
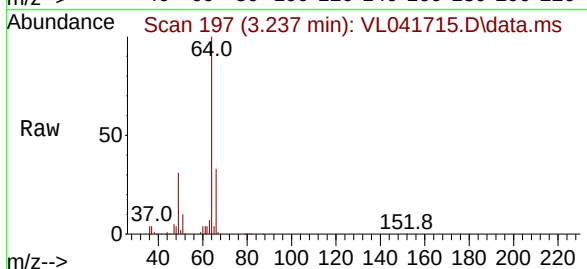
Instrument :
 MSVOA_L
 ClientSampleId :
 E070-1100DL2

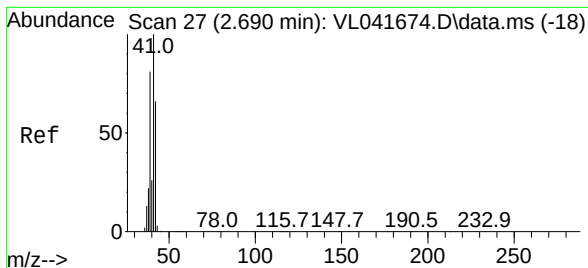
Tgt Ion: 62 Resp: 5697
 Ion Ratio Lower Upper
 62 100
 64 2366.3 25.4 38.2#



#7
 Chloroethane
 Concen: 11.998 ppbv
 RT: 3.237 min Scan# 197
 Delta R.T. 0.010 min
 Lab File: VL041715.D
 Acq: 21 Nov 2024 15:06

Tgt Ion: 64 Resp: 289174
 Ion Ratio Lower Upper
 64 100
 66 32.6 25.9 38.9





#9

Propene

Concen: 0.059 ppbv

RT: 2.738 min Scan# 41

Delta R.T. 0.016 min

Lab File: VL041715.D

Acq: 21 Nov 2024 15:06

Instrument :

MSVOA_1

ClientSampleId :

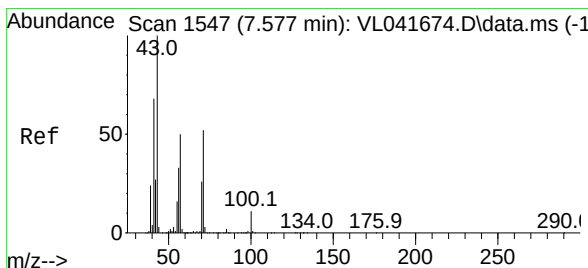
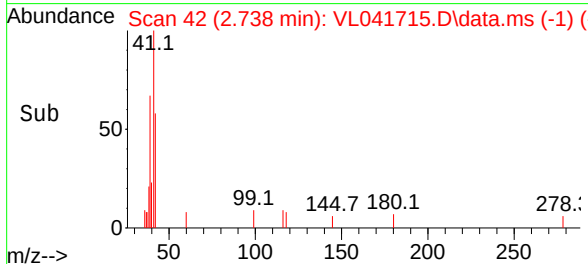
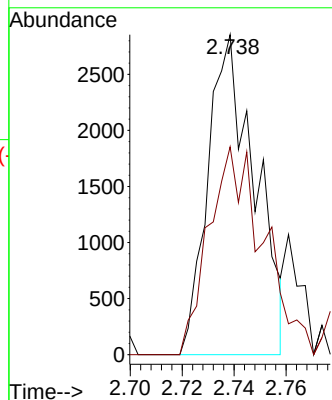
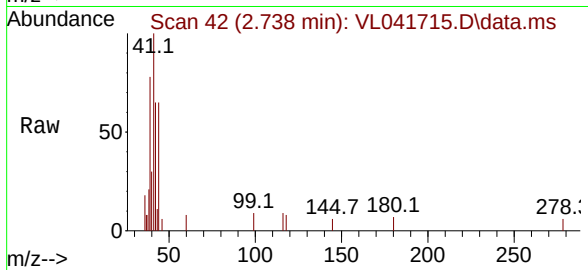
E070-1100DL2

Tgt Ion: 41 Resp: 3576

Ion Ratio Lower Upper

41 100

42 78.7 55.0 82.4



#10

Heptane

Concen: 5.544 ppbv

RT: 7.616 min Scan# 1559

Delta R.T. 0.006 min

Lab File: VL041715.D

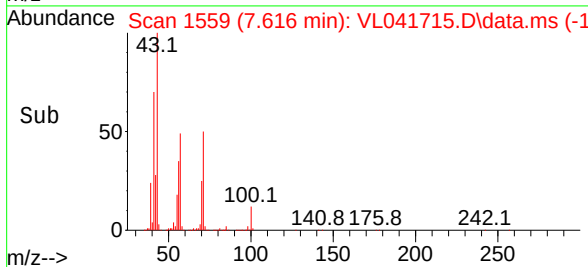
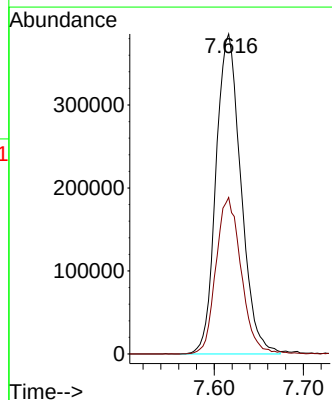
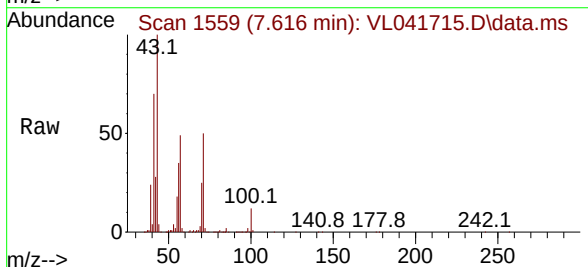
Acq: 21 Nov 2024 15:06

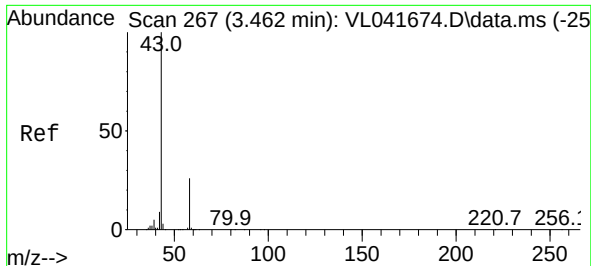
Tgt Ion: 43 Resp: 750273

Ion Ratio Lower Upper

43 100

57 49.6 40.0 60.0

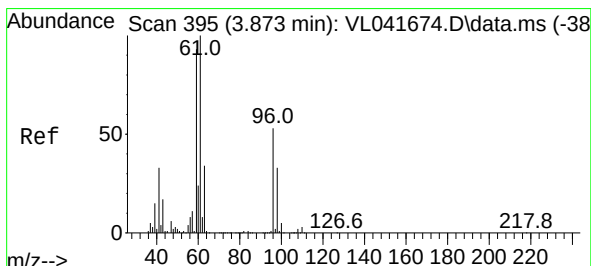
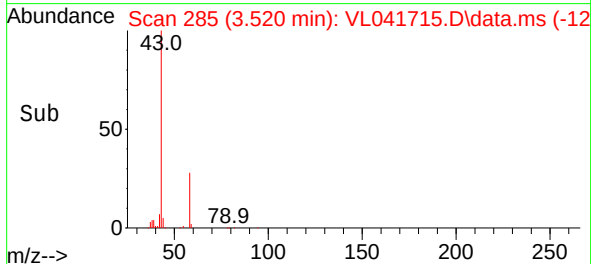
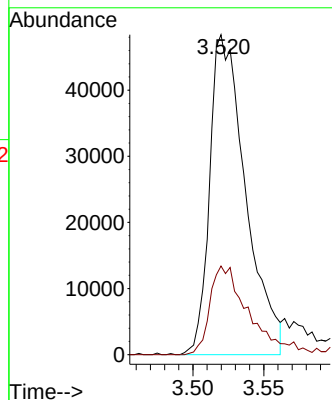
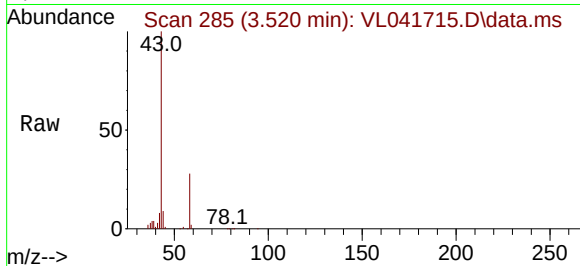




#15
Acetone
Concen: 0.652 ppbv
RT: 3.520 min Scan# 21
Delta R.T. 0.022 min
Lab File: VL041715.D
Acq: 21 Nov 2024 15:06

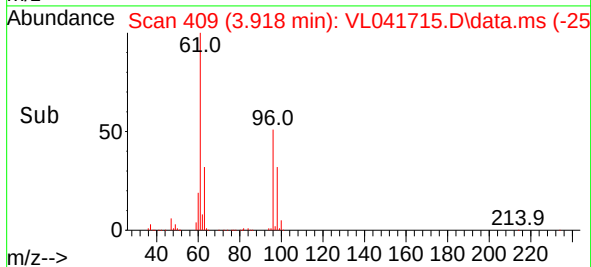
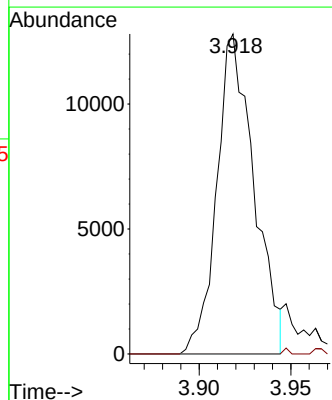
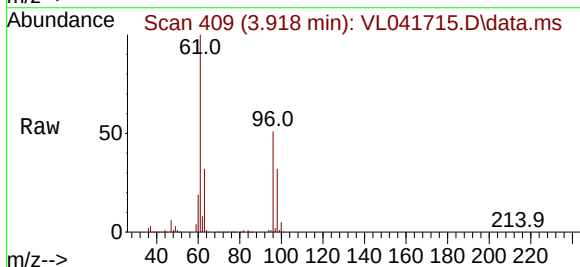
Instrument :
MSVOA_L
ClientSampleId :
E070-1100DL2

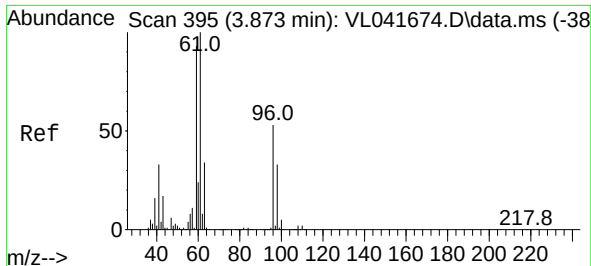
Tgt Ion: 43 Resp: 85358
Ion Ratio Lower Upper
43 100
58 31.5 21.4 32.0



#17
tert-Butyl alcohol
Concen: 0.157 ppbv
RT: 3.918 min Scan# 409
Delta R.T. 0.013 min
Lab File: VL041715.D
Acq: 21 Nov 2024 15:06

Tgt Ion: 59 Resp: 18040
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#18

1,1-Dichloroethene

Concen: 4.573 ppbv

RT: 3.918 min Scan# 409

Delta R.T. 0.010 min

Lab File: VL041715.D

Acq: 21 Nov 2024 15:06

Instrument :

MSVOA_L

ClientSampleId :

E070-1100DL2

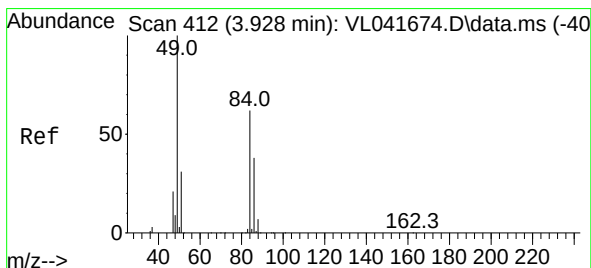
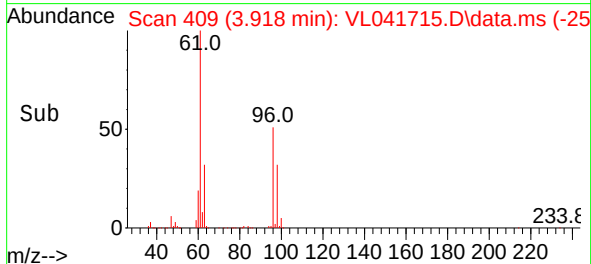
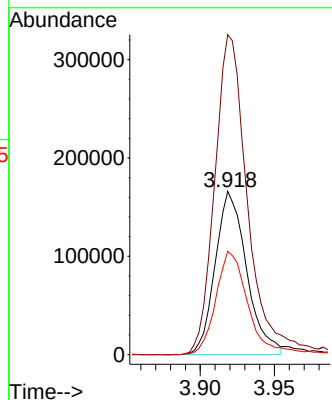
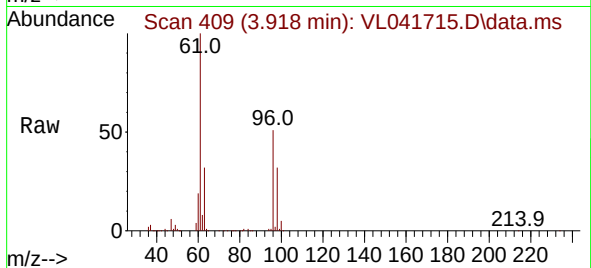
Tgt Ion: 96 Resp: 244142

Ion Ratio Lower Upper

96 100

61 196.1 150.7 226.1

98 63.3 49.4 74.2



#20

Methylene Chloride

Concen: 0.182 ppbv

RT: 3.973 min Scan# 426

Delta R.T. 0.013 min

Lab File: VL041715.D

Acq: 21 Nov 2024 15:06

Tgt Ion: 84 Resp: 8783

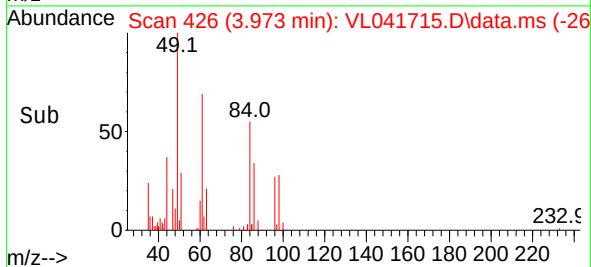
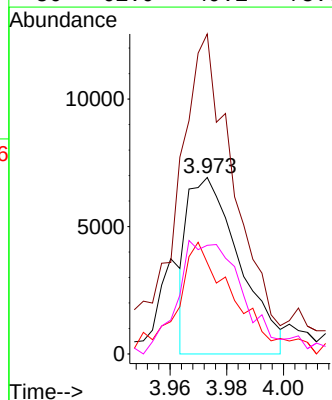
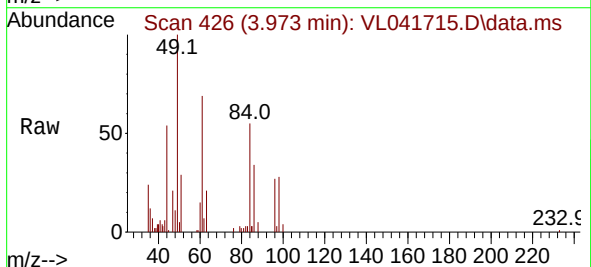
Ion Ratio Lower Upper

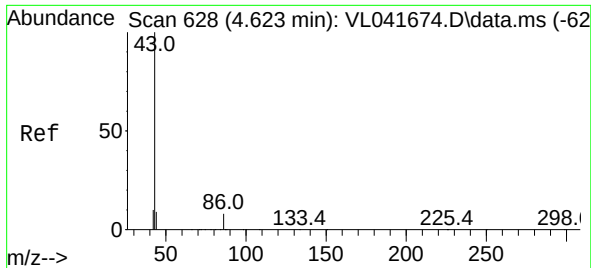
84 100

49 186.3 129.7 194.5

51 49.9 39.8 59.6

86 61.9 49.1 73.7

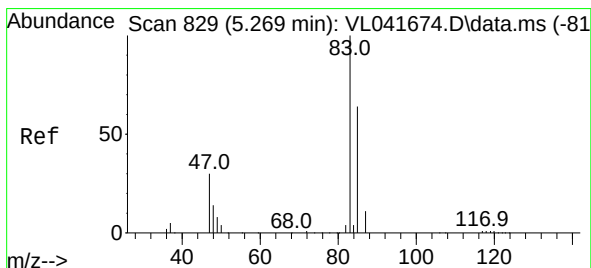
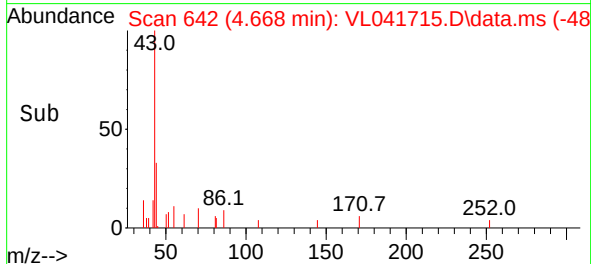
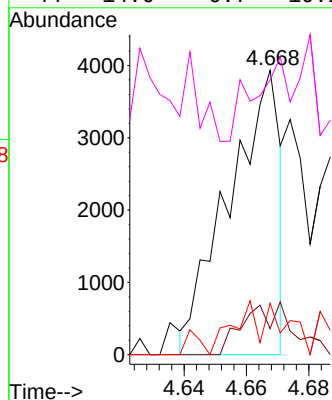
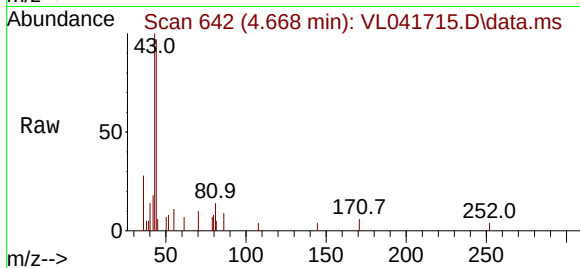




#23
 Vinyl Acetate
 Concen: 0.077 ppbv
 RT: 4.668 min Scan# 642
 Delta R.T. 0.013 min
 Lab File: VL041715.D
 Acq: 21 Nov 2024 15:06

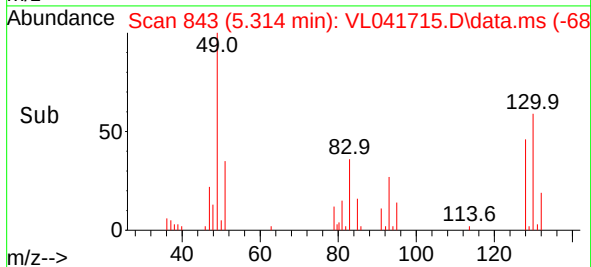
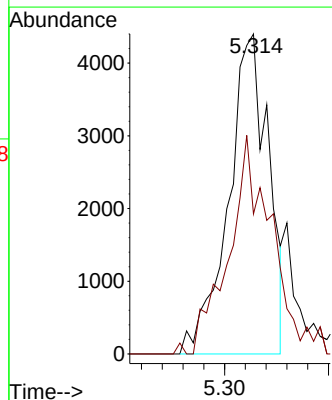
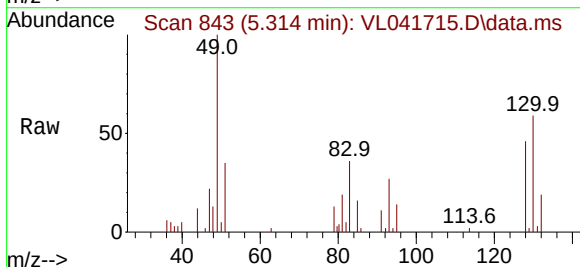
Instrument :
 MSVOA_1
 ClientSampleId :
 E070-1100DL2

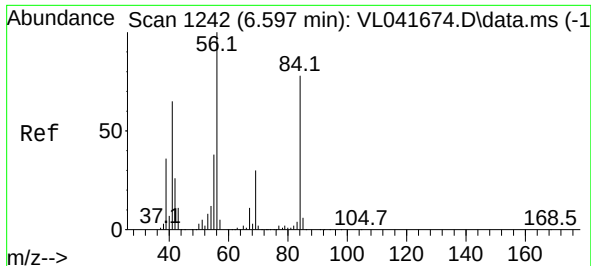
Tgt Ion: 43	Resp: 4465
Ion Ratio	Lower Upper
43 100	
86 10.0	5.3 7.9#
42 19.7	8.5 12.7#
44 14.0	6.7 10.1#



#29
 Chloroform
 Concen: 0.034 ppbv
 RT: 5.314 min Scan# 843
 Delta R.T. 0.006 min
 Lab File: VL041715.D
 Acq: 21 Nov 2024 15:06

Tgt Ion: 83	Resp: 5891		
Ion Ratio	Lower	Upper	
83 100			
85 40.4	51.1	76.7#	





#30

Cyclohexane

Concen: 0.079 ppbv

RT: 6.677 min Scan# 11

Delta R.T. 0.045 min

Lab File: VL041715.D

Acq: 21 Nov 2024 15:06

Instrument :

MSVOA_L

ClientSampleId :

E070-1100DL2

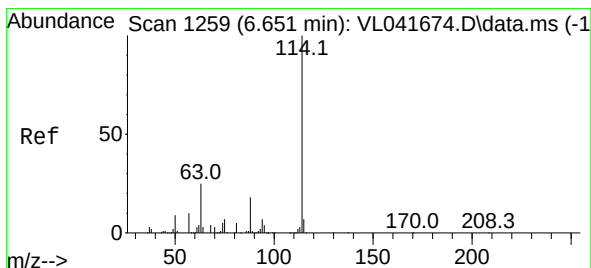
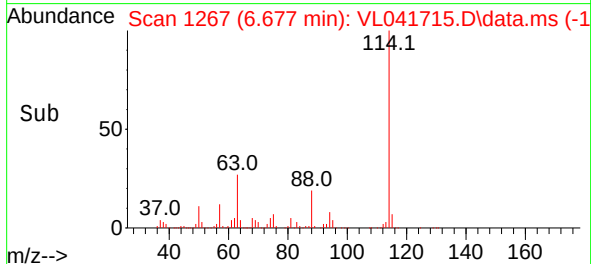
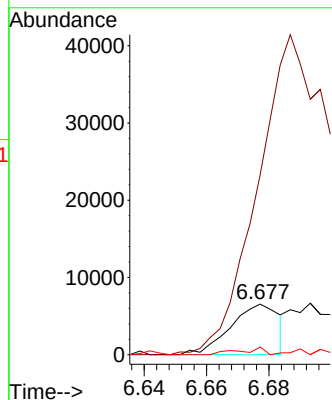
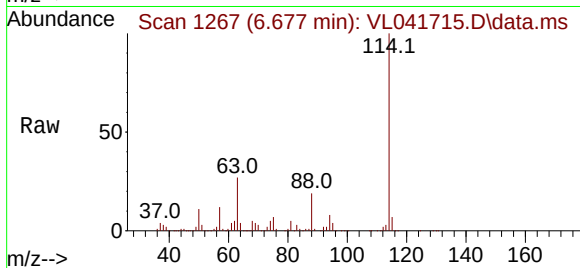
Tgt Ion: 84 Resp: 7038

Ion Ratio Lower Upper

84 100

56 1112.2 110.8 166.2#

41 13.0 70.0 105.0#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.687 min Scan# 1270

Delta R.T. 0.003 min

Lab File: VL041715.D

Acq: 21 Nov 2024 15:06

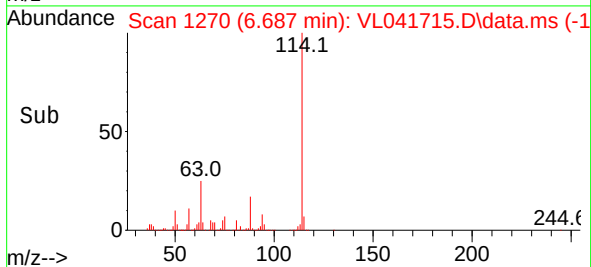
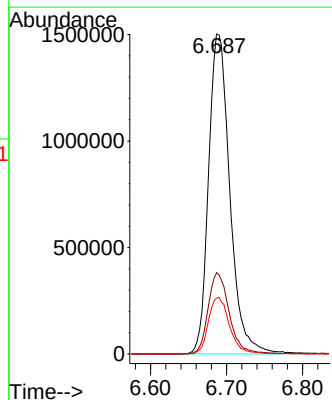
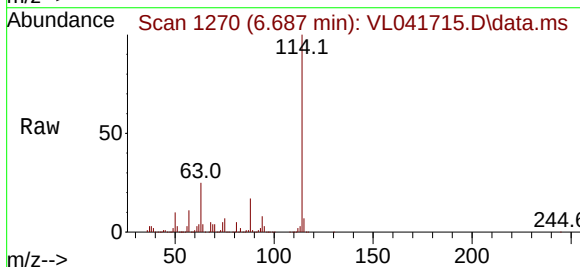
Tgt Ion: 114 Resp: 2922287

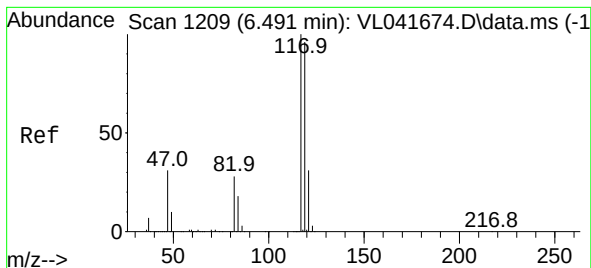
Ion Ratio Lower Upper

114 100

63 25.3 20.3 30.5

88 17.6 14.2 21.4





#35

Carbon Tetrachloride

Concen: 6.653 ppbv

RT: 6.532 min Scan# 117

Delta R.T. 0.006 min

Lab File: VL041715.D

Acq: 21 Nov 2024 15:06

Instrument :

MSVOA_L

ClientSampleId :

E070-1100DL2

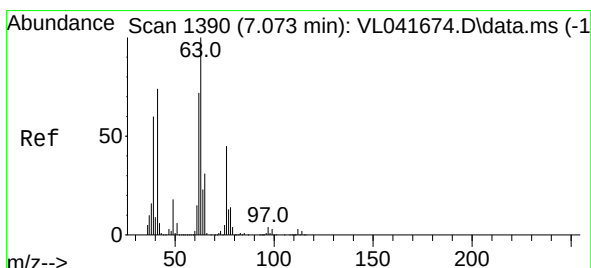
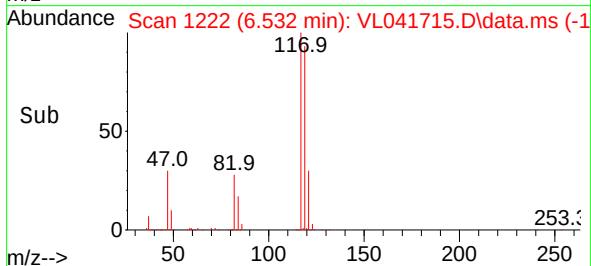
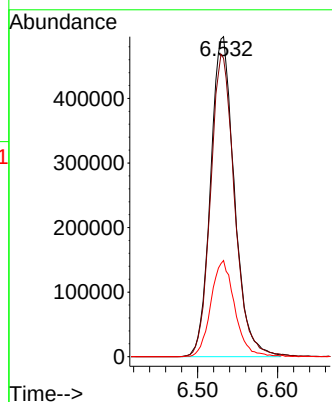
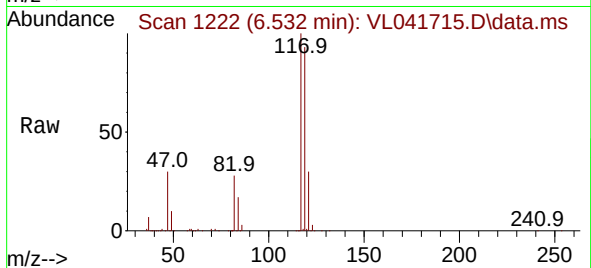
Tgt Ion:117 Resp: 1025832

Ion Ratio Lower Upper

117 100

119 93.2 77.2 115.8

121 30.1 25.0 37.4



#39

1,2-Dichloropropane

Concen: 8.539 ppbv

RT: 6.687 min Scan# 1270

Delta R.T. -0.421 min

Lab File: VL041715.D

Acq: 21 Nov 2024 15:06

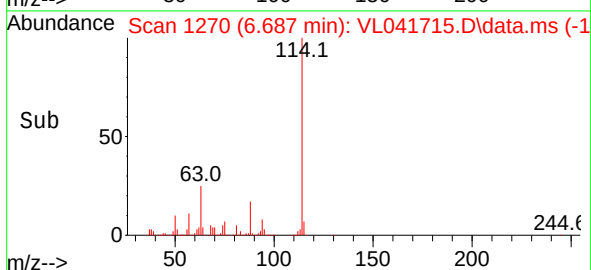
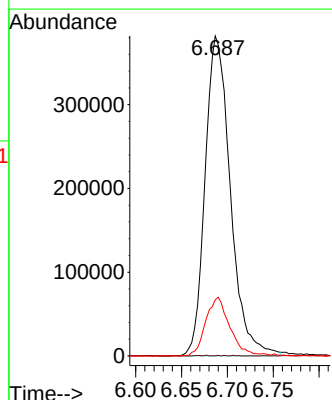
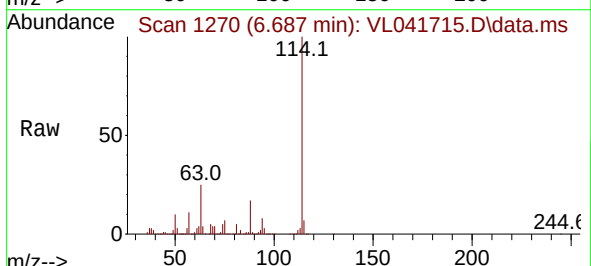
Tgt Ion: 63 Resp: 730607

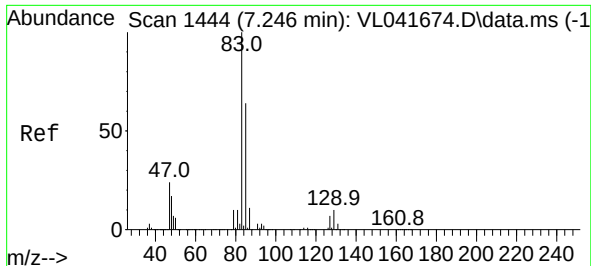
Ion Ratio Lower Upper

63 100

41 0.1 59.1 88.7#

62 17.6 57.7 86.5#





#42

Bromodichloromethane

Concen: 4.328 ppbv

RT: 7.285 min Scan# 1444

Delta R.T. 0.003 min

Lab File: VL041715.D

Acq: 21 Nov 2024 15:06

Instrument :

MSVOA_L

ClientSampleId :

E070-1100DL2

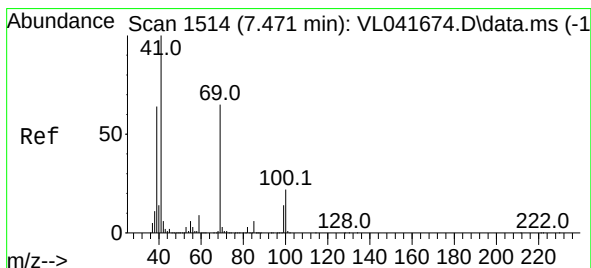
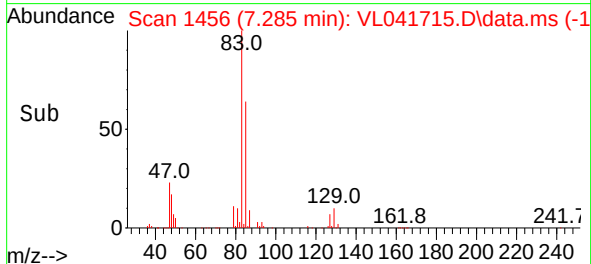
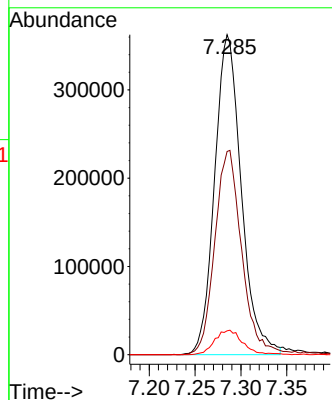
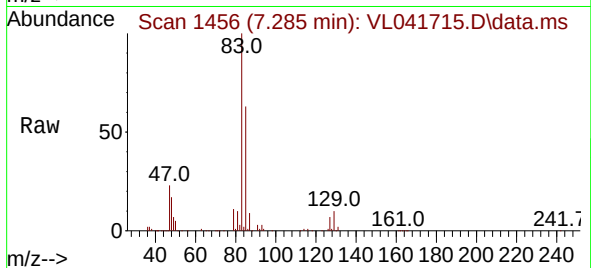
Tgt Ion: 83 Resp: 734738

Ion Ratio Lower Upper

83 100

85 63.5 51.2 76.8

127 7.5 6.0 9.0



#43

Methyl Methacrylate

Concen: 0.142 ppbv

RT: 7.600 min Scan# 1554

Delta R.T. 0.093 min

Lab File: VL041715.D

Acq: 21 Nov 2024 15:06

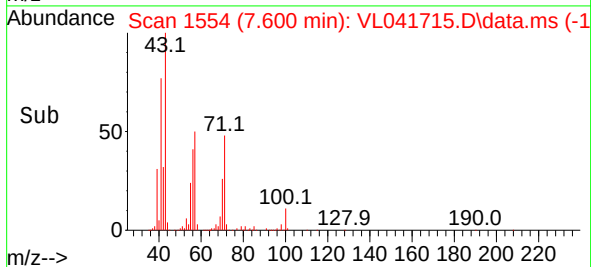
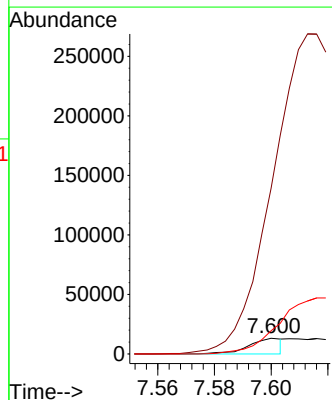
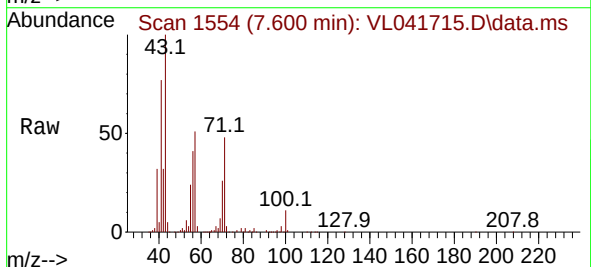
Tgt Ion: 69 Resp: 10811

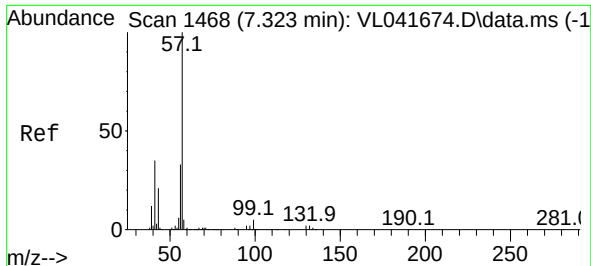
Ion Ratio Lower Upper

69 100

41 0.0 119.8 179.6#

100 0.0 27.3 40.9#





#44

2,2,4-Trimethylpentane

Concen: 1.010 ppbv

RT: 7.616 min Scan# 1559

Delta R.T. 0.260 min

Lab File: VL041715.D

Acq: 21 Nov 2024 15:06

Instrument :

MSVOA_L

ClientSampleId :

E070-1100DL2

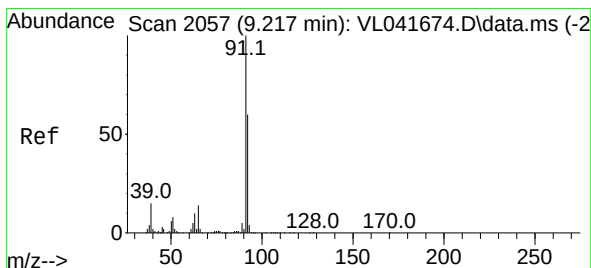
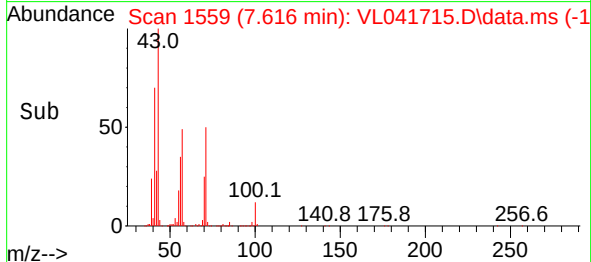
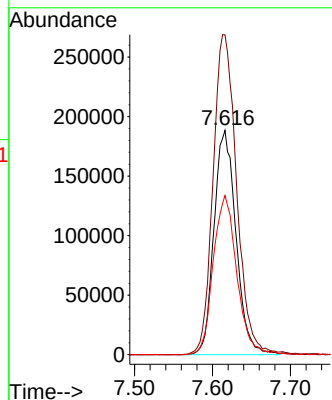
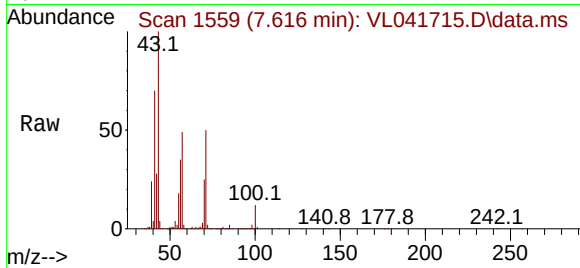
Tgt Ion: 57 Resp: 370349

Ion Ratio Lower Upper

57 100

41 153.3 27.0 40.6#

56 75.9 25.8 38.6#



#53

Toluene

Concen: 10.310 ppbv

RT: 9.256 min Scan# 2069

Delta R.T. 0.003 min

Lab File: VL041715.D

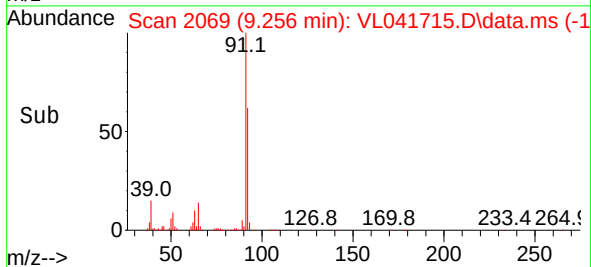
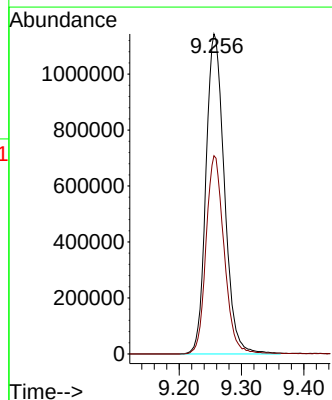
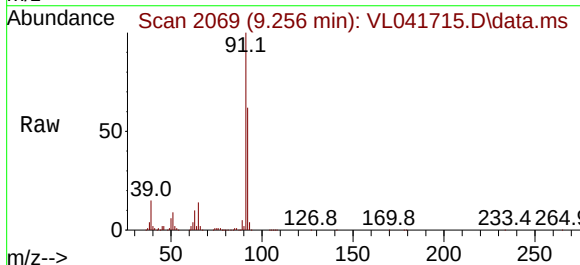
Acq: 21 Nov 2024 15:06

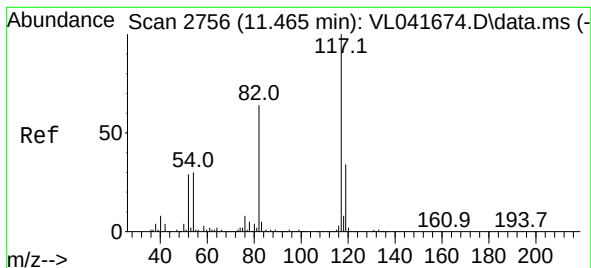
Tgt Ion: 91 Resp: 2347642

Ion Ratio Lower Upper

91 100

92 60.8 49.0 73.4

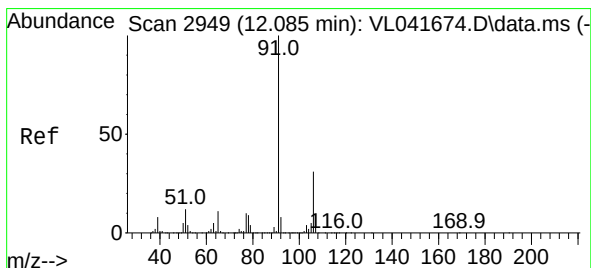
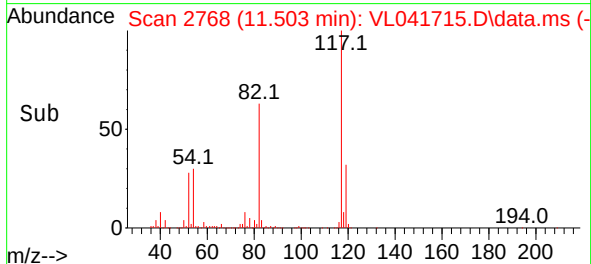
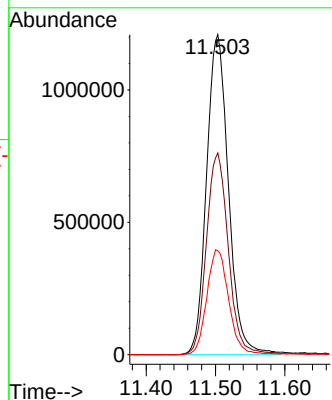
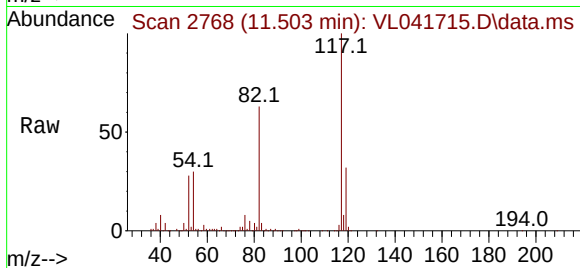




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.503 min Scan# 211
Delta R.T. 0.006 min
Lab File: VL041715.D
Acq: 21 Nov 2024 15:06

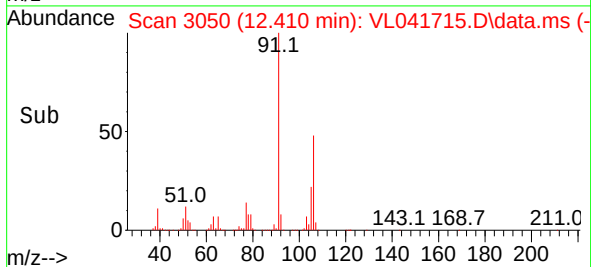
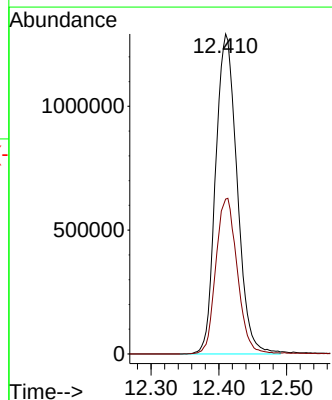
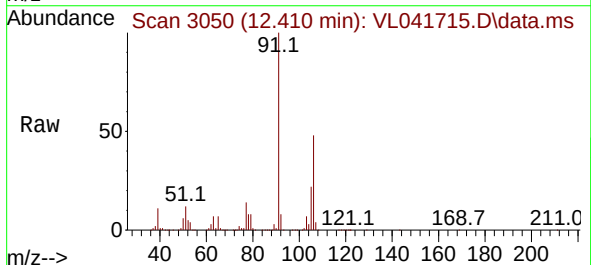
Instrument :
MSVOA_L
ClientSampleId :
E070-1100DL2

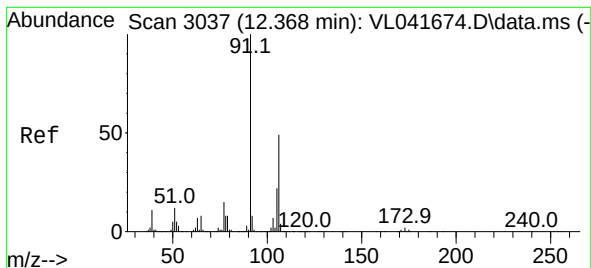
Tgt Ion:117 Resp: 2654968
Ion Ratio Lower Upper
117 100
82 63.9 49.8 74.8
119 33.0 24.2 36.4



#58
Ethyl Benzene
Concen: 9.774 ppbv
RT: 12.410 min Scan# 3050
Delta R.T. 0.289 min
Lab File: VL041715.D
Acq: 21 Nov 2024 15:06

Tgt Ion: 91 Resp: 2844916
Ion Ratio Lower Upper
91 100
106 48.4 24.9 37.3#





#59

m/p-Xylene

Concen: 10.915 ppbv

RT: 12.410 min Scan# 3037

Delta R.T. 0.006 min

Lab File: VL041715.D

Acq: 21 Nov 2024 15:06

Instrument :

MSVOA_L

ClientSampleId :

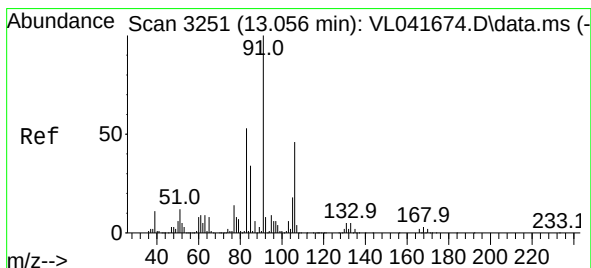
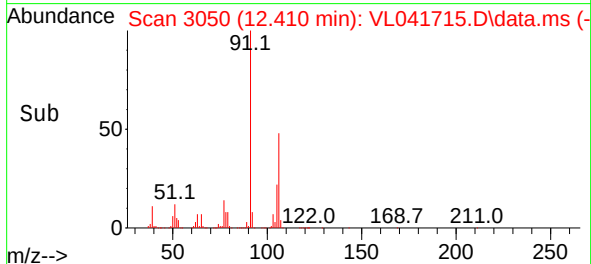
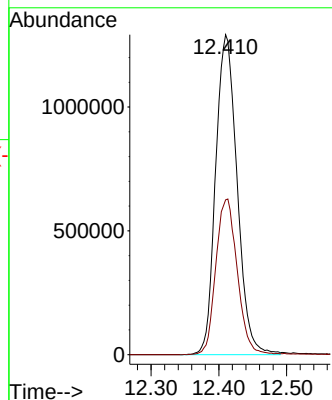
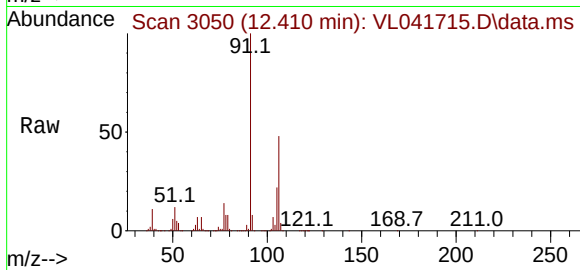
E070-1100DL2

Tgt Ion: 91 Resp: 2844916

Ion Ratio Lower Upper

91 100

106 48.9 36.9 55.3



#60

o-Xylene

Concen: 8.617 ppbv

RT: 13.092 min Scan# 3262

Delta R.T. 0.003 min

Lab File: VL041715.D

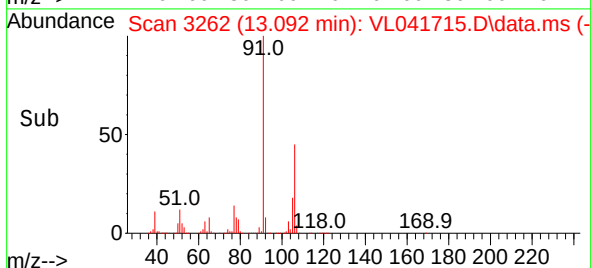
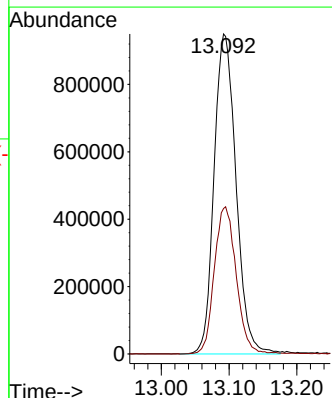
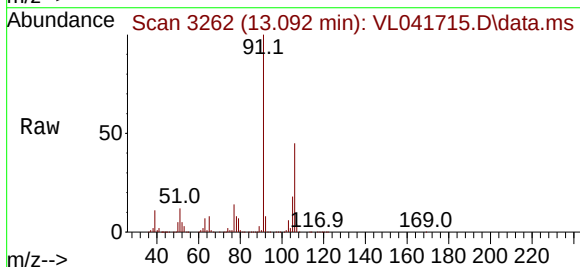
Acq: 21 Nov 2024 15:06

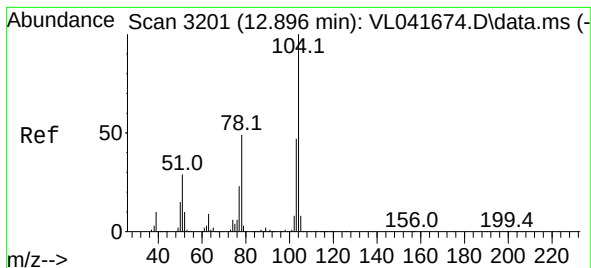
Tgt Ion: 91 Resp: 2141646

Ion Ratio Lower Upper

91 100

106 46.2 23.2 69.6





#61

Styrene

Concen: 0.282 ppbv

RT: 13.092 min Scan# 31

Delta R.T. 0.164 min

Lab File: VL041715.D

Acq: 21 Nov 2024 15:06

Instrument :

MSVOA_L

ClientSampleId :

E070-1100DL2

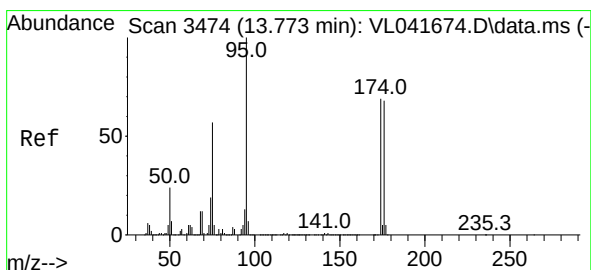
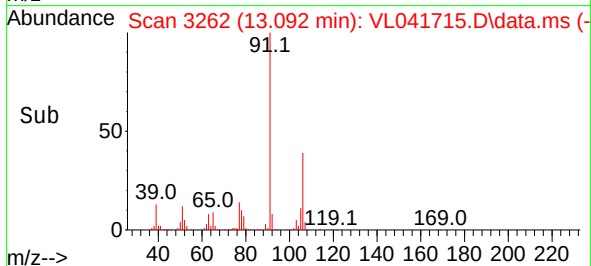
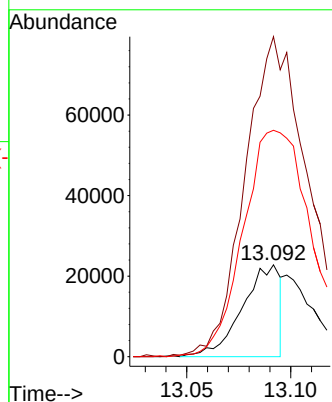
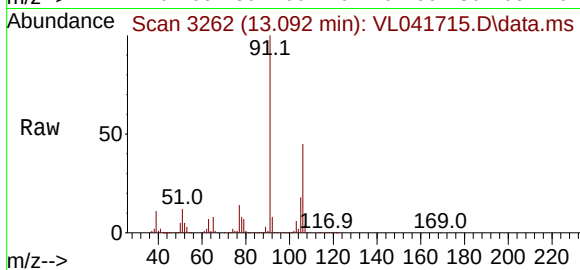
Tgt Ion:104 Resp: 28930

Ion Ratio Lower Upper

104 100

78 598.8 39.8 59.8#

103 456.8 37.4 56.0#



#68

1-Bromo-4-Fluorobenzene

Concen: 10.590 ppbv

RT: 13.812 min Scan# 3486

Delta R.T. 0.006 min

Lab File: VL041715.D

Acq: 21 Nov 2024 15:06

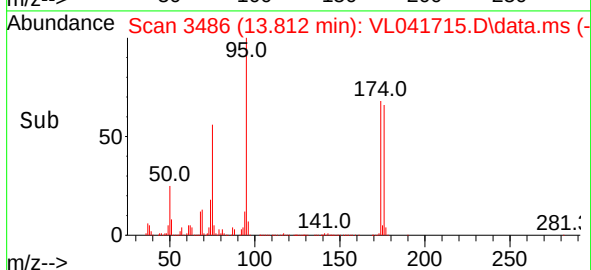
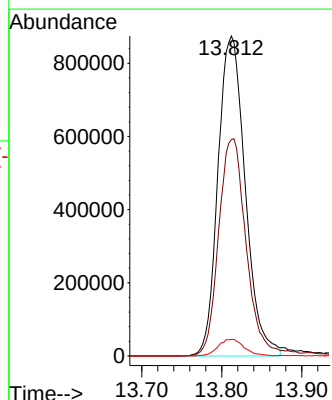
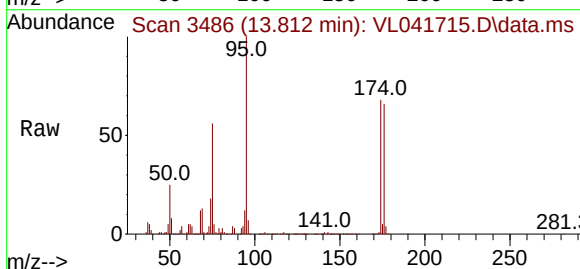
Tgt Ion: 95 Resp: 2071565

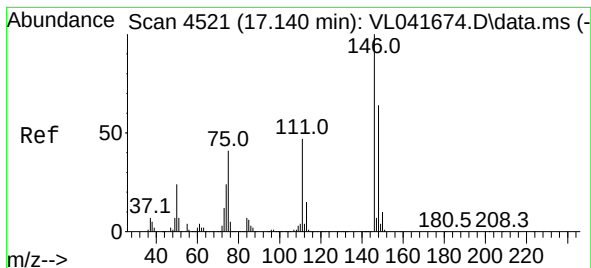
Ion Ratio Lower Upper

95 100

174 70.1 55.6 83.4

175 5.1 4.2 6.2





#77

1,2-Dichlorobenzene

Concen: 6.735 ppbv

RT: 17.182 min Scan# 4534

Delta R.T. 0.006 min

Lab File: VL041715.D

Acq: 21 Nov 2024 15:06

Instrument :

MSVOA_L

ClientSampleId :

E070-1100DL2

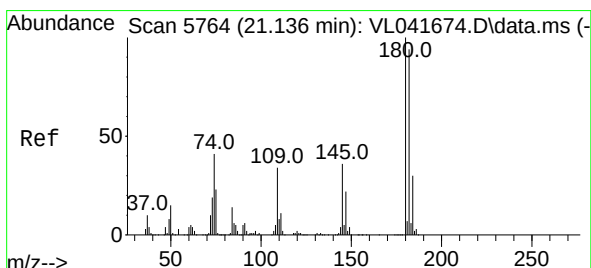
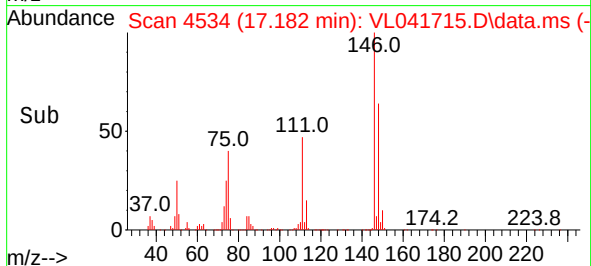
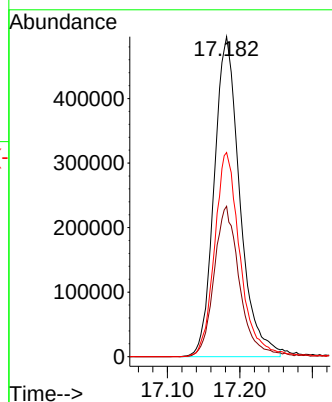
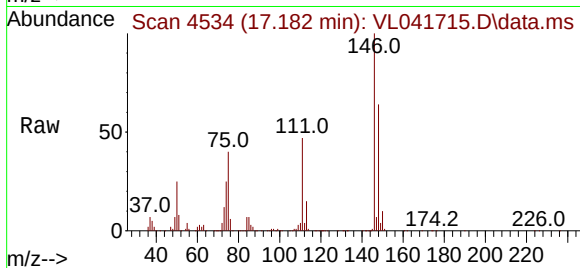
Tgt Ion:146 Resp: 1217081

Ion Ratio Lower Upper

146 100

111 47.3 23.4 70.3

148 64.3 32.1 96.5



#81

1,2,4-Trichlorobenzene

Concen: 4.475 ppbv

RT: 21.188 min Scan# 5780

Delta R.T. 0.013 min

Lab File: VL041715.D

Acq: 21 Nov 2024 15:06

Tgt Ion:180 Resp: 511649

Ion Ratio Lower Upper

180 100

182 104.1 78.2 117.2

184 31.8 25.0 37.4

