

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090722\
 Data File : VL039621.D
 Acq On : 7 Sep 2022 16:14
 Operator : SY/AP
 Sample : N4507-02
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 IA-1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/08/2022
 Supervised By :Mahesh Dadoda 09/08/2022

Quant Time: Sep 08 05:52:59 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081722A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Fri Aug 26 06:05:16 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.21	49	903192	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	6.66	114	2353474	10.00	ppbv	0.00
55) Chlorobenzene-d5	11.47	117	2149565	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.78	95	1587852	9.79	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.75	85	37969	0.316	ppbv	92
3) Chlorodifluoromethane	2.70	51	445121	4.136	ppbv	96
4) Chloromethane	2.83	50	25456	0.393	ppbv #	86
11) Trichlorofluoromethane	3.59	101	245193	1.859	ppbv	95
13) Ethanol	3.26	45	399208	112.813	ppbv	71
15) Acetone	3.49	43	2859888m	28.267	ppbv	
20) Methylene Chloride	3.95	84	69020	1.679	ppbv	98
26) Hexane	5.23	57	71769	0.812	ppbv #	46
29) Chloroform	5.29	83	307005	2.222	ppbv	97
34) 2-Butanone	4.81	43	68931	0.589	ppbv	96
35) Carbon Tetrachloride	6.52	117	9331m	0.073	ppbv	
36) Benzene	6.39	78	25292	0.141	ppbv	96
42) Bromodichloromethane	7.25	83	45491	0.336	ppbv	92
53) Toluene	9.23	91	250921	1.250	ppbv	96

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

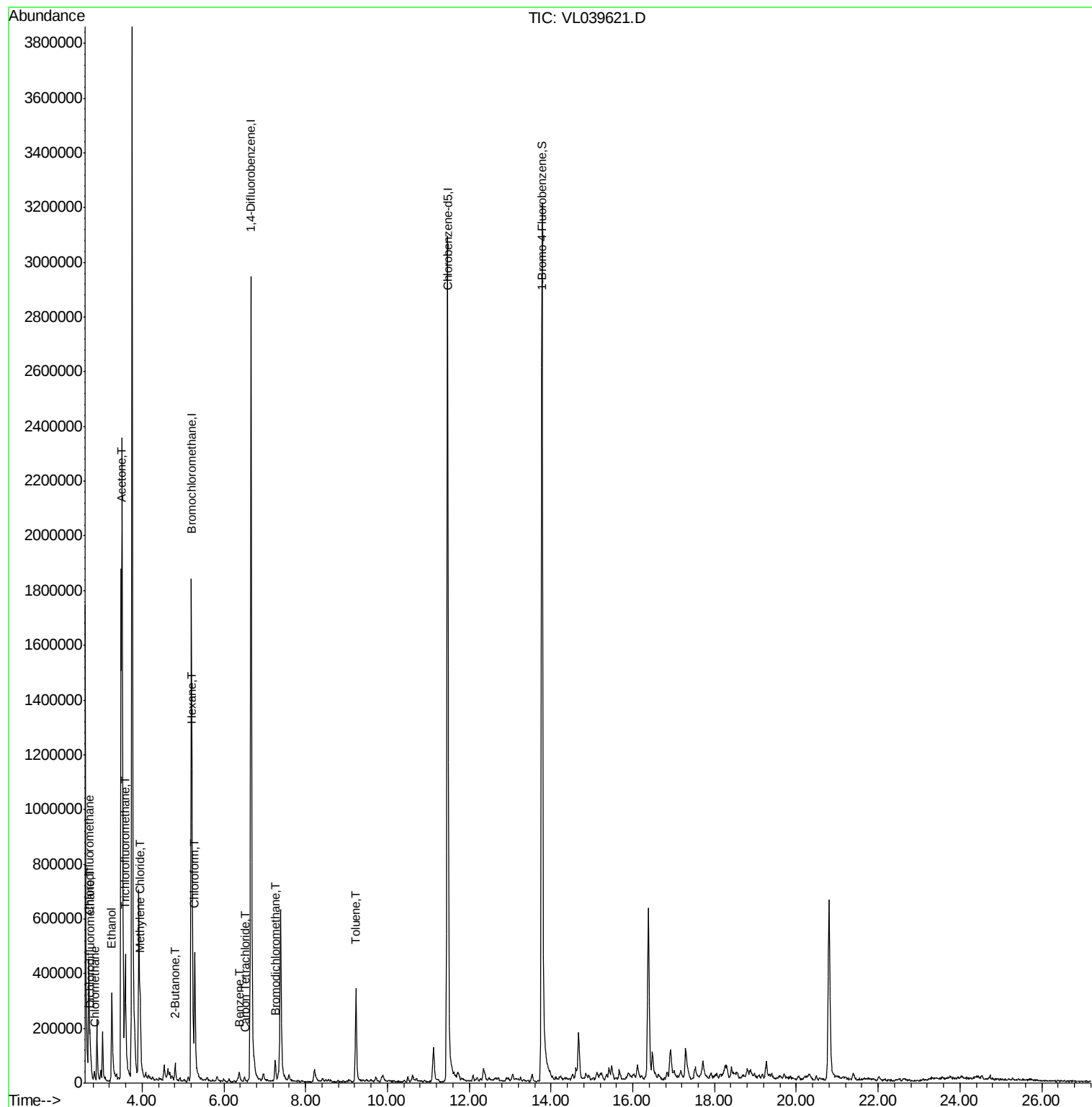
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090722\
Data File : VL039621.D
Acq On : 7 Sep 2022 16:14
Operator : SY/AP
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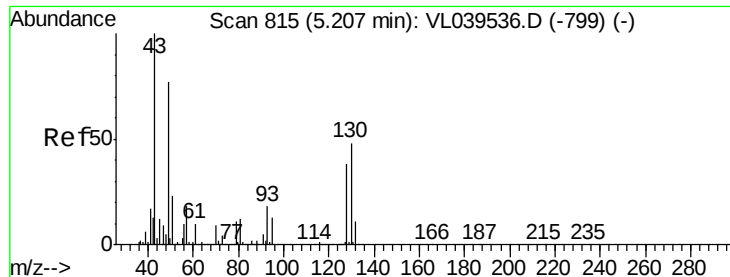
Instrument :
MSVOA_L
ClientSampleId :
IA-1

Quant Time: Sep 08 05:52:59 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081722
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
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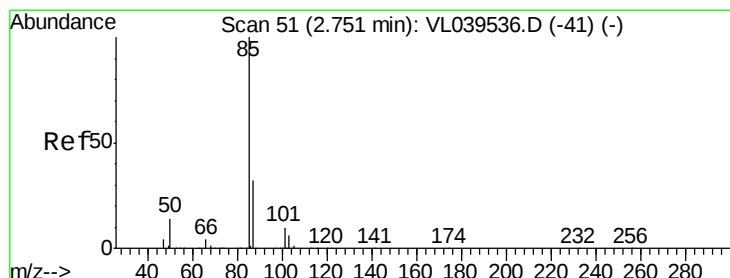
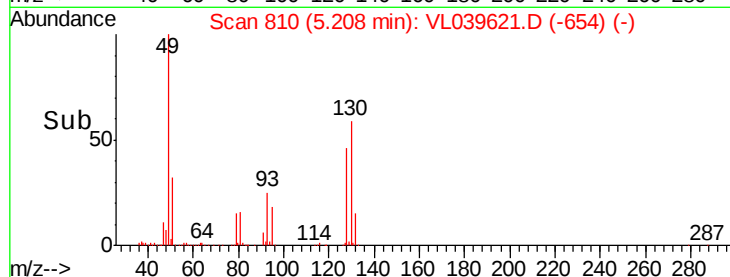
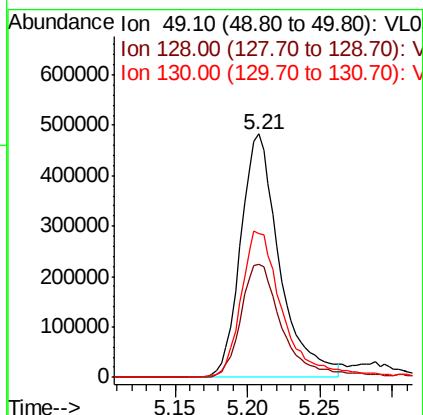
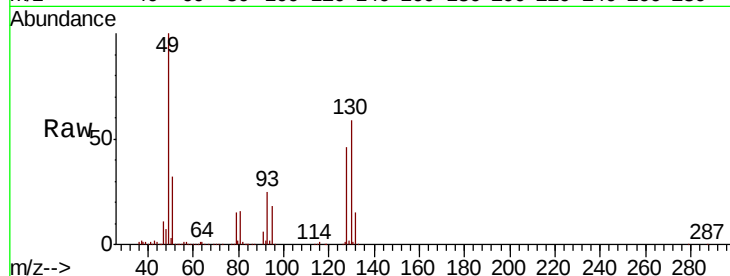


#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.21
 Instrument : MSVOA_1
 Delta R.T. :
 Lab File: ClientSampleId :
 Acq: 7 Sep 2022 16:14

Tot Ion:
 Ion Ratio
 49 100
 128 50.
 130 65.

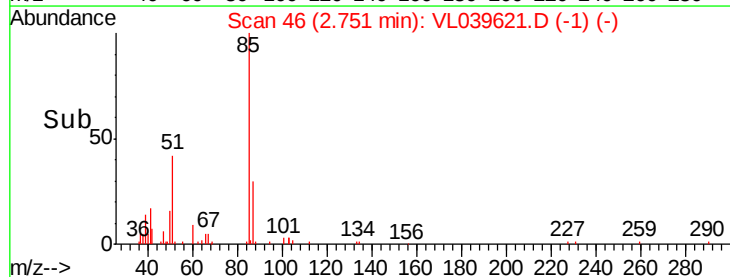
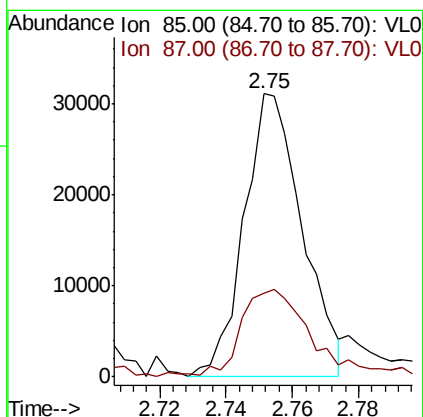
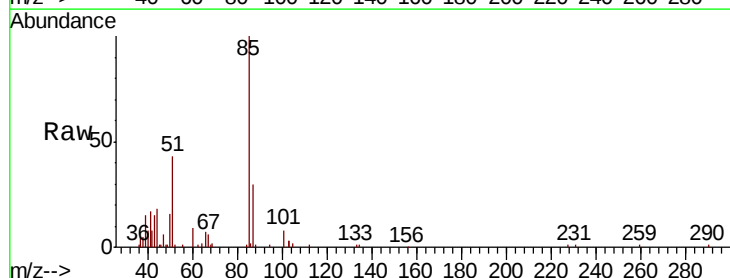
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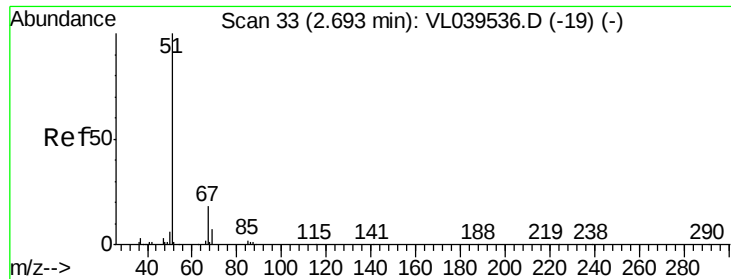
Reviewed By :Semsettin Yesilyurt 09/08/2022
 Supervised By :Mahesh Dadoda 09/08/2022



#2
 Dichlorodifluoromethane
 Concen: 0.316 ppbv
 RT: 2.75 min Scan# 46
 Delta R.T. 0.00 min
 Lab File: VL039621.D
 Acq: 7 Sep 2022 16:14

Tgt Ion: 85 Resp: 37969
 Ion Ratio Lower Upper
 85 100
 87 28.7 26.7 40.1



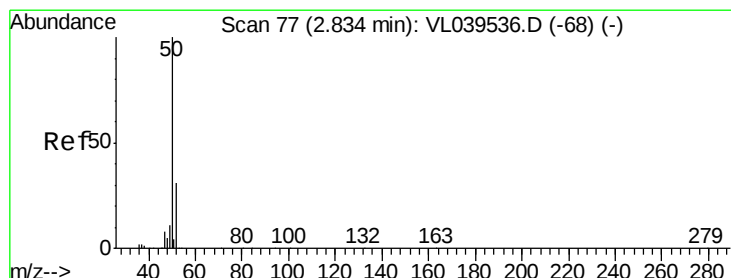
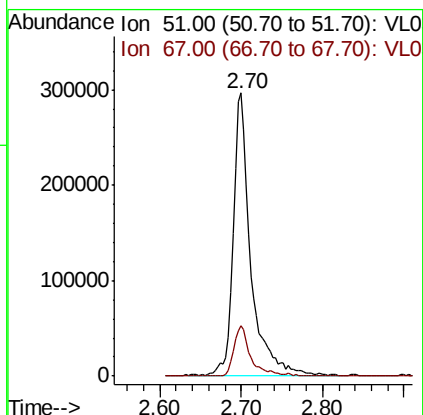
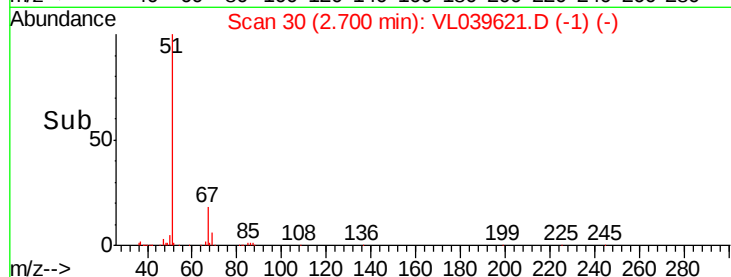
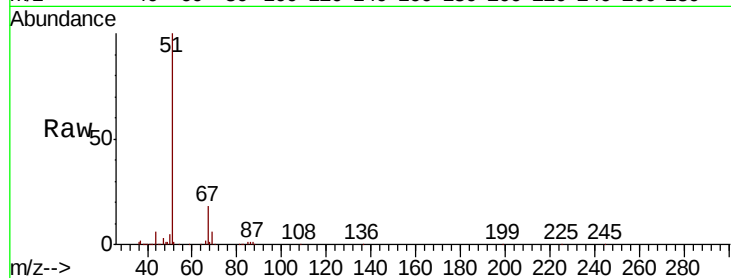


#3
Chlorodifluoromethane
Concen: 4.136 ppbv
RT: 2.70
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 7 Sep 2022 16:14

Tot Ion:
Ion Ratio
51 100
67 17.

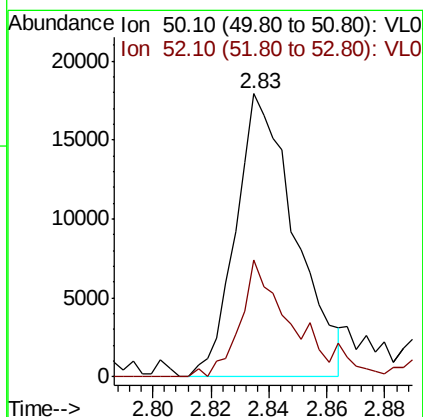
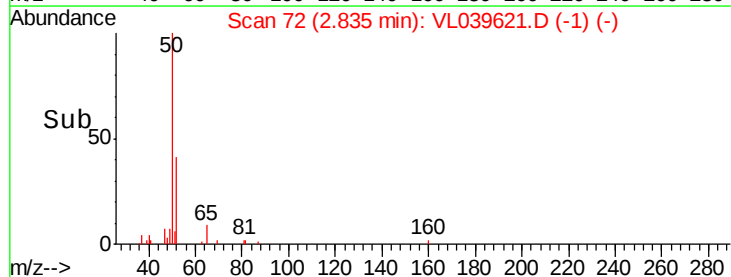
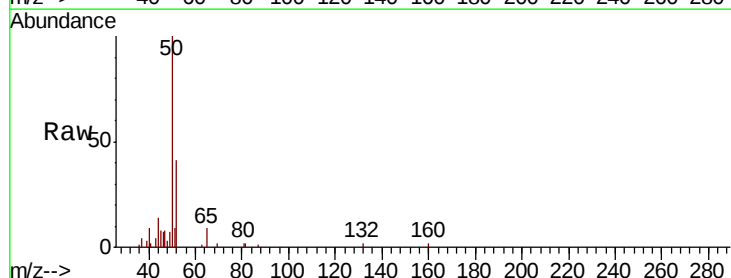
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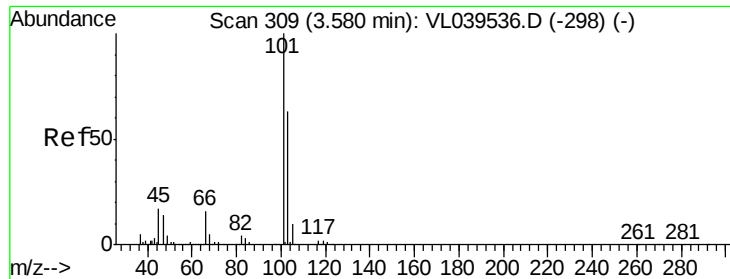
Reviewed By :Semsettin Yesilyurt 09/08/2022
Supervised By :Mahesh Dadoda 09/08/2022



#4
Chloromethane
Concen: 0.393 ppbv
RT: 2.83 min Scan# 72
Delta R.T. 0.00 min
Lab File: VL039621.D
Acq: 7 Sep 2022 16:14

Tgt Ion: 50 Resp: 25456
Ion Ratio Lower Upper
50 100
52 41.2 26.5 39.7#



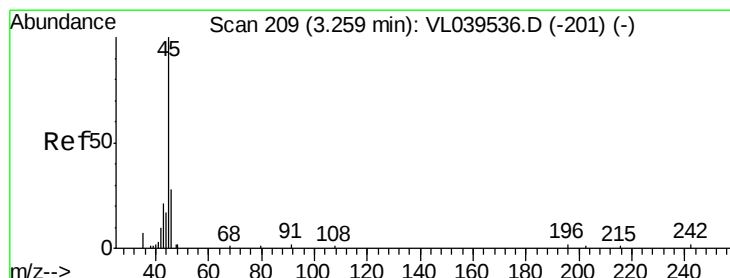
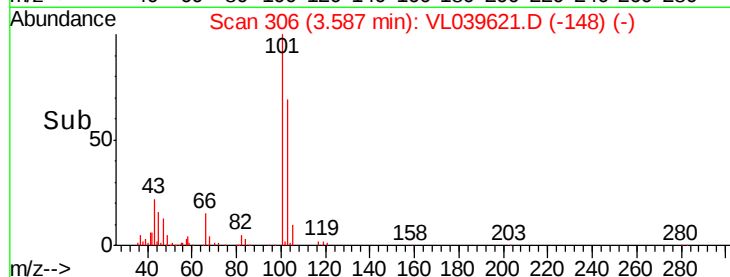
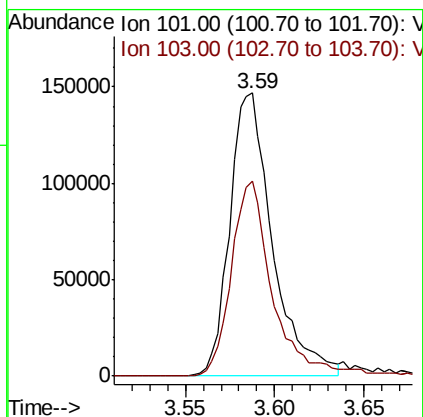
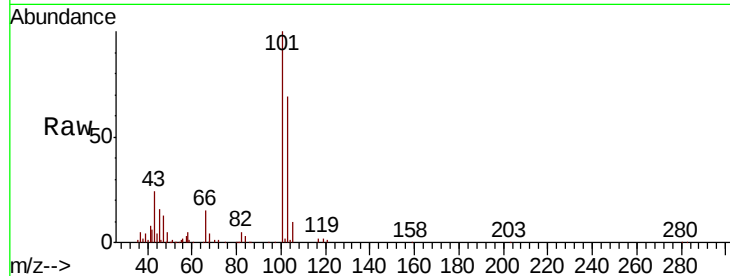


#11
 Trichlorofluoromethane
 Concen: 1.859 ppbv
 RT: 3.59
 Instrument : MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 7 Sep 2022 16:14

Tot Ion:1
 Ion Rati
 101 100
 103 69.

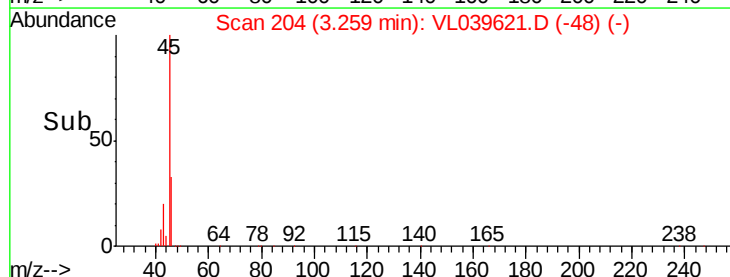
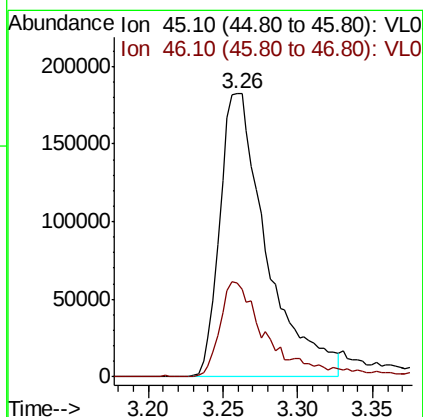
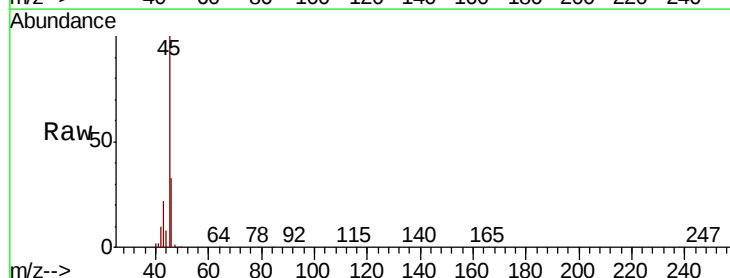
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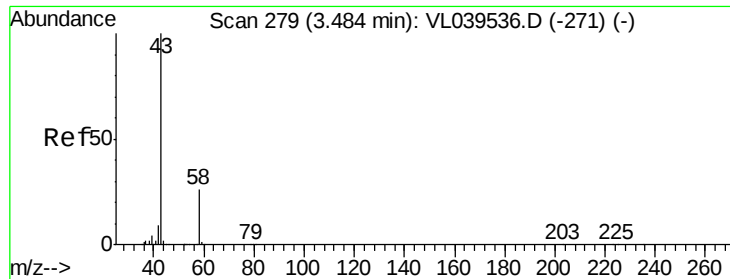
Reviewed By :Semsettin Yesilyurt 09/08/2022
 Supervised By :Mahesh Dadoda 09/08/2022



#13
 Ethanol
 Concen: 112.813 ppbv
 RT: 3.26 min Scan# 204
 Delta R.T. 0.00 min
 Lab File: VL039621.D
 Acq: 7 Sep 2022 16:14

Tgt Ion: 45 Resp: 399208
 Ion Ratio Lower Upper
 45 100
 46 35.4 22.8 91.2



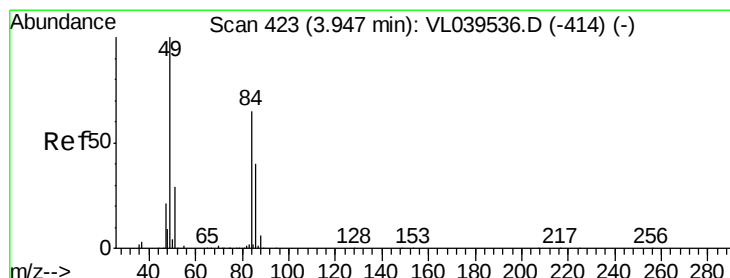
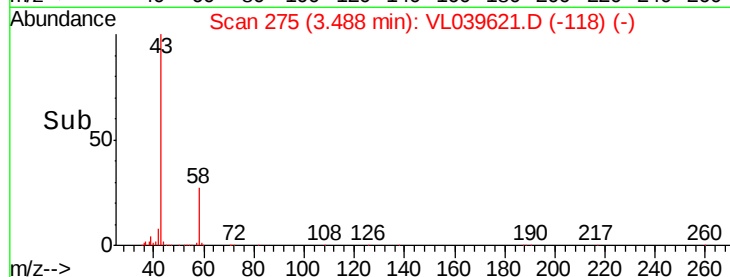
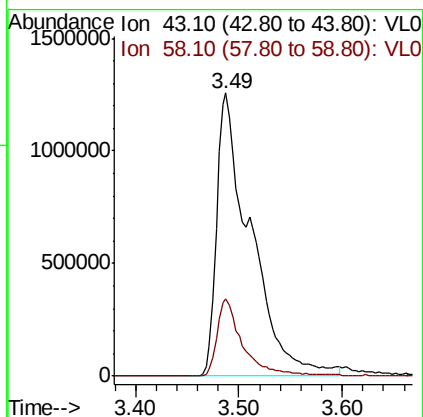
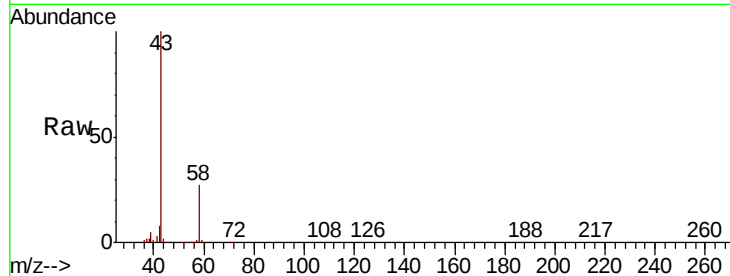


#15
Acetone
Concen: 28.267 ppbv m
RT: 3.49
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 7 Sep 2022 16:14

Tot Ion:
Ion Ratio
43 100
58 21.

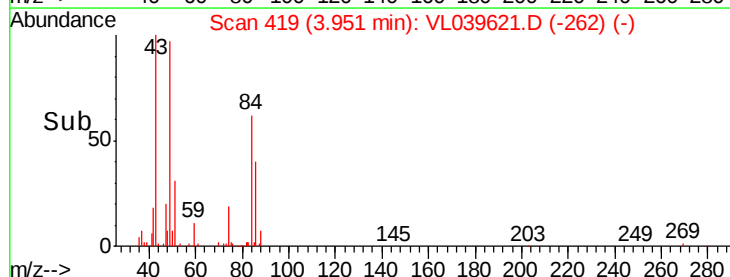
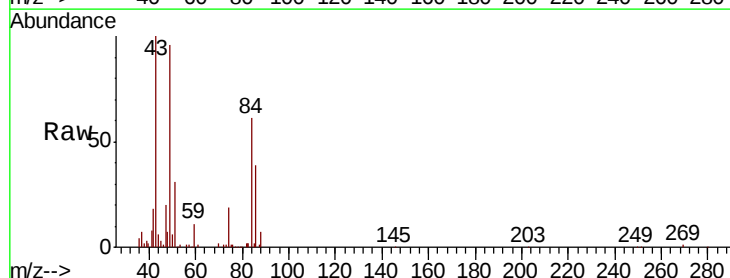
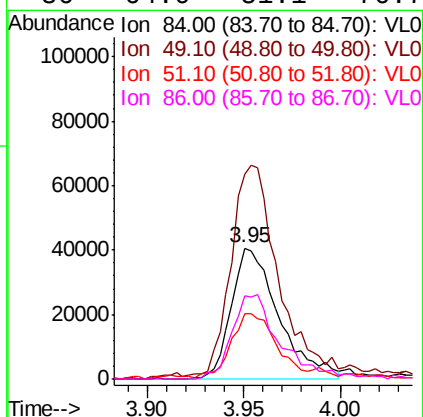
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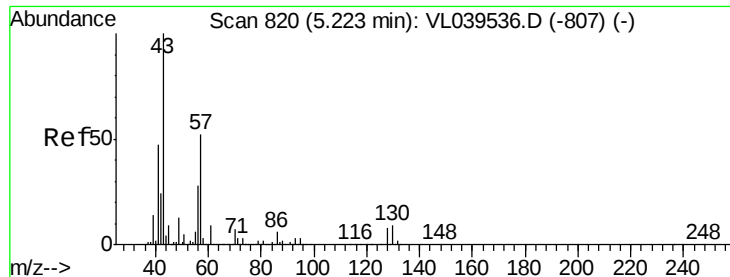
Reviewed By :Semsettin Yesilyurt 09/08/2022
Supervised By :Mahesh Dadoda 09/08/2022



#20
Methylene Chloride
Concen: 1.679 ppbv
RT: 3.95 min Scan# 419
Delta R.T. 0.00 min
Lab File: VL039621.D
Acq: 7 Sep 2022 16:14

Tgt Ion: 84 Resp: 69020
Ion Ratio Lower Upper
84 100
49 153.4 123.1 184.7
51 48.0 34.4 51.6
86 64.0 51.1 76.7



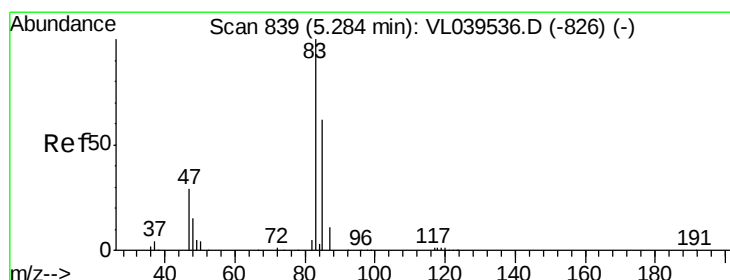
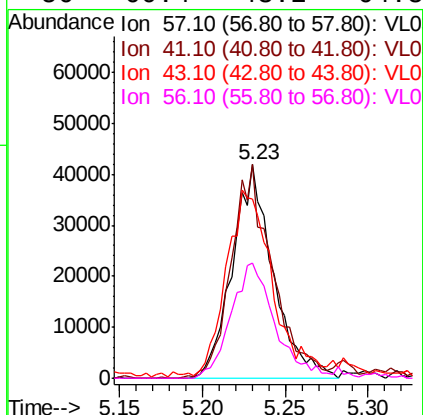
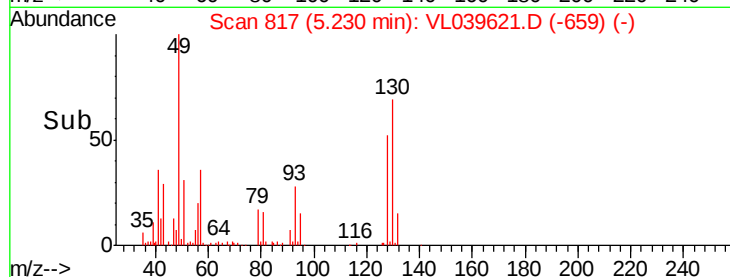
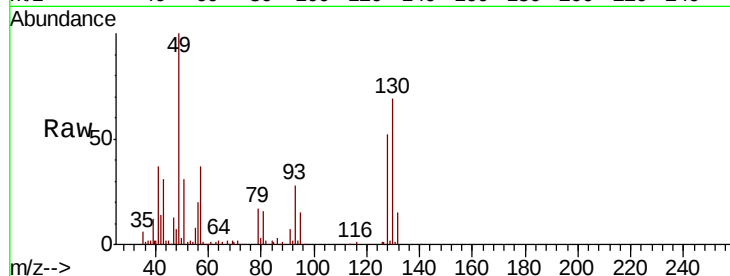


#26
Hexane
Concen: 0.812 ppbv
RT: 5.23
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 7 Sep 2022 16:14

Tot Ion:
Ion Ratio
57 100
41 106.
43 100.
56 60.4 43.2 64.8

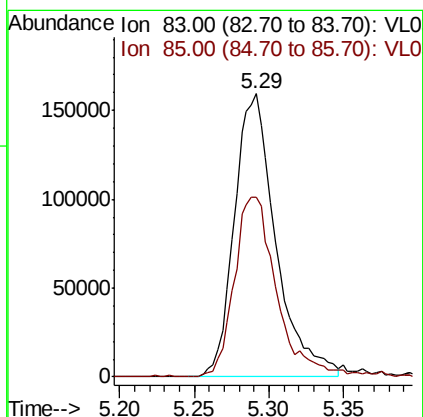
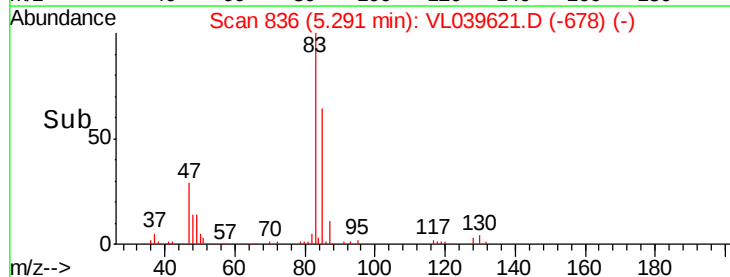
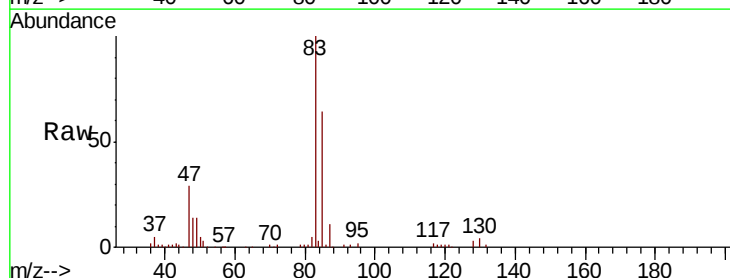
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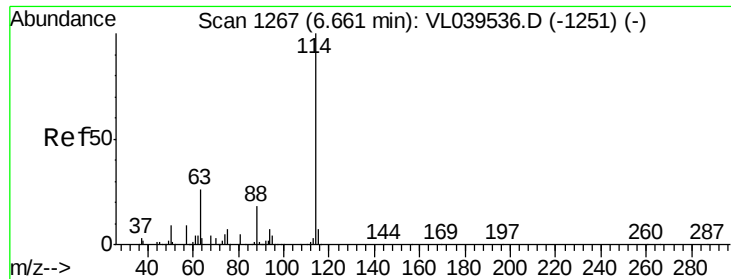
Reviewed By :Semsettin Yesilyurt 09/08/2022
Supervised By :Mahesh Dadoda 09/08/2022



#29
Chloroform
Concen: 2.222 ppbv
RT: 5.29 min Scan# 836
Delta R.T. 0.01 min
Lab File: VL039621.D
Acq: 7 Sep 2022 16:14

Tgt Ion: 83 Resp: 307005
Ion Ratio Lower Upper
83 100
85 63.6 52.8 79.2



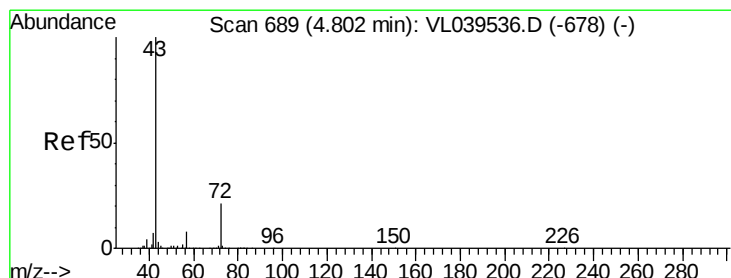
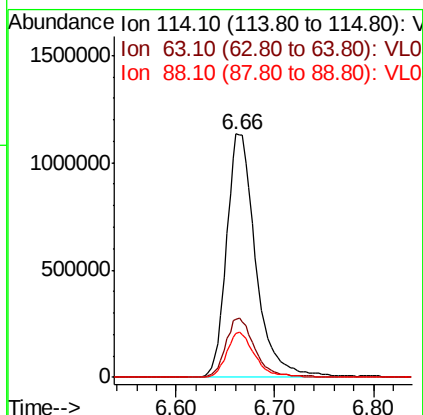
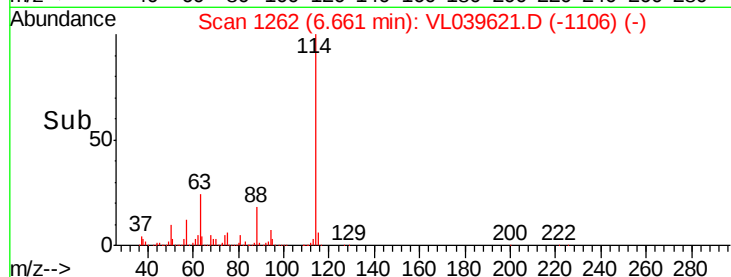
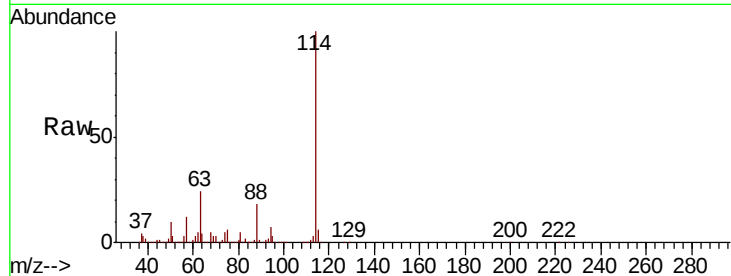


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 6.66
 Instrument : MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 7 Sep 2022 16:14

Tot Ion:1
 Ion Rati
 114 100
 63 24.
 88 17.

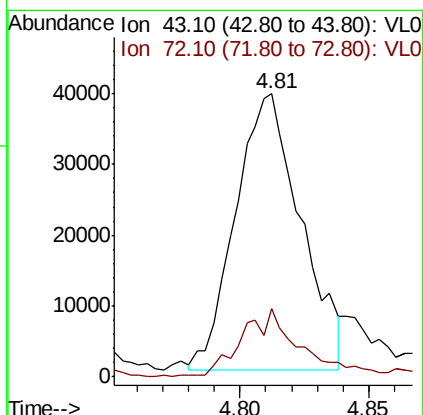
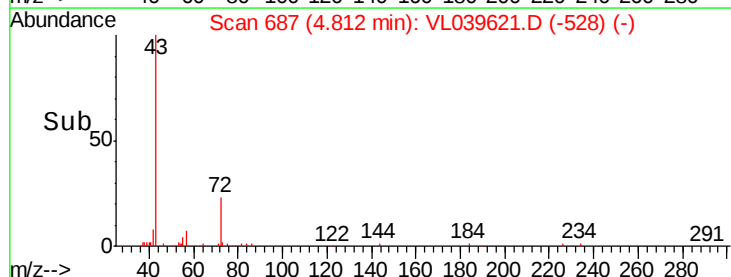
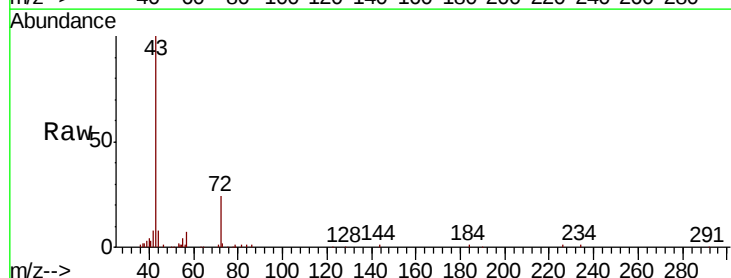
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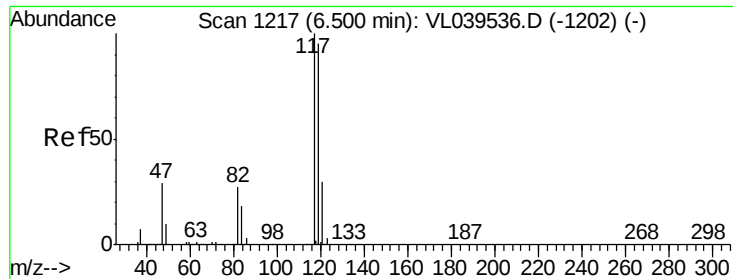
Reviewed By :Semsettin Yesilyurt 09/08/2022
 Supervised By :Mahesh Dadoda 09/08/2022



#34
 2-Butanone
 Concen: 0.589 ppbv
 RT: 4.81 min Scan# 687
 Delta R.T. 0.01 min
 Lab File: VL039621.D
 Acq: 7 Sep 2022 16:14

Tgt Ion: 43 Resp: 68931
 Ion Ratio Lower Upper
 43 100
 72 24.4 17.9 26.9





#35

Carbon Tetrachloride

Concen: 0.073 ppbv m

RT: 6.52 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: IA-1

Acq: 7 Sep 2022 16:14

Tot Ion:1

Ion Rati

117 100

119 40.

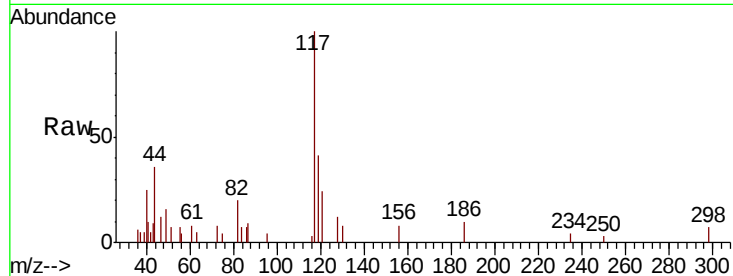
121 24.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/08/2022

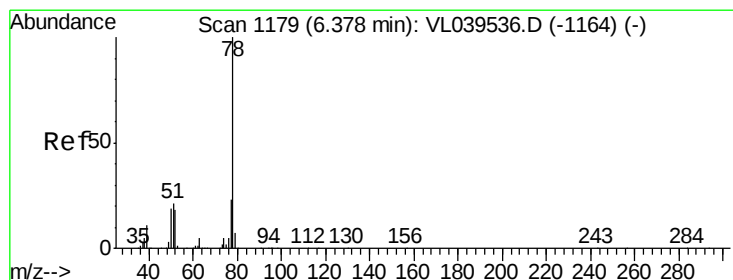
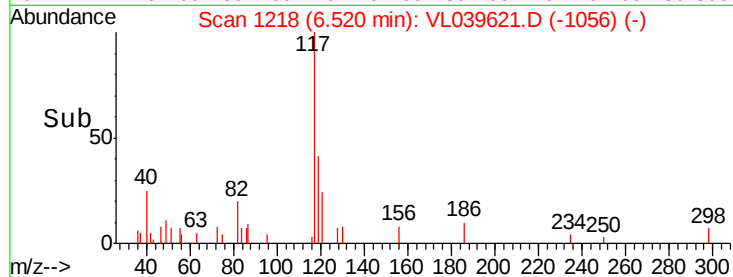
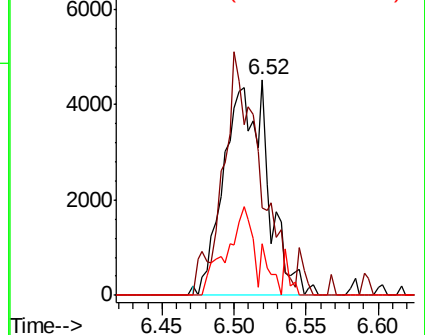
Supervised By :Mahesh Dadoda 09/08/2022



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 0.141 ppbv

RT: 6.39 min Scan# 1177

Delta R.T. 0.01 min

Lab File: VL039621.D

Acq: 7 Sep 2022 16:14

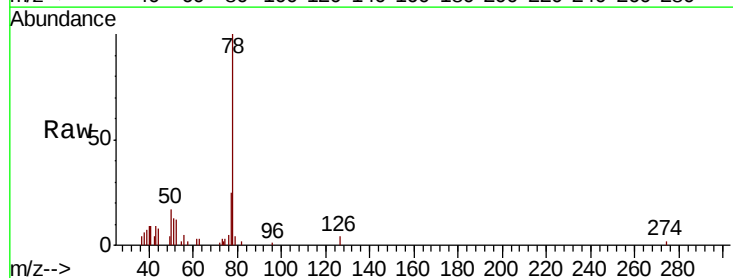
Tgt Ion: 78 Resp: 25292

Ion Ratio Lower Upper

78 100

77 24.6 20.3 30.5

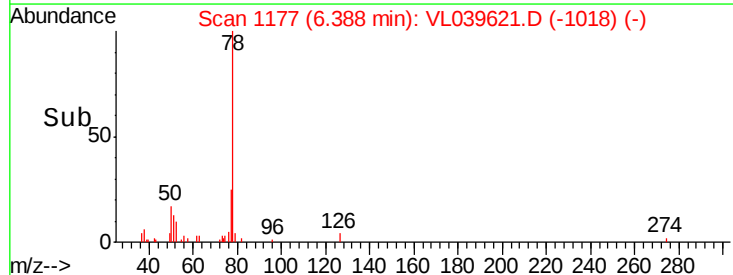
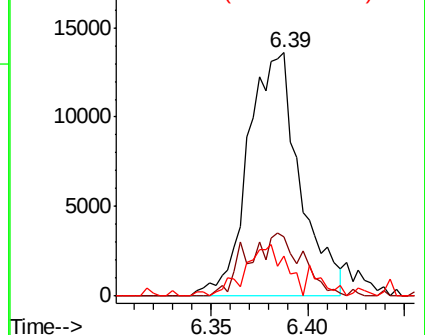
50 16.5 15.5 23.3

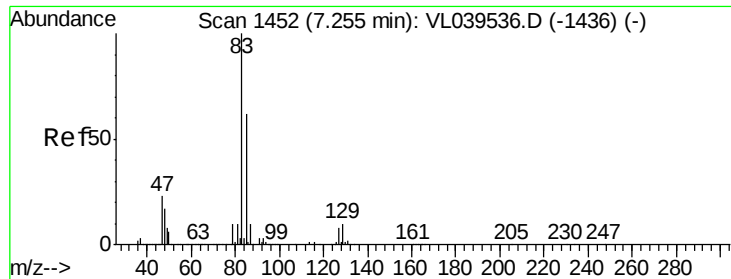


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#42

Bromodichloromethane

Concen: 0.336 ppbv

RT: 7.25 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 7 Sep 2022 16:14

Tot Ion:

Ion Ratio

83 100

85 56.

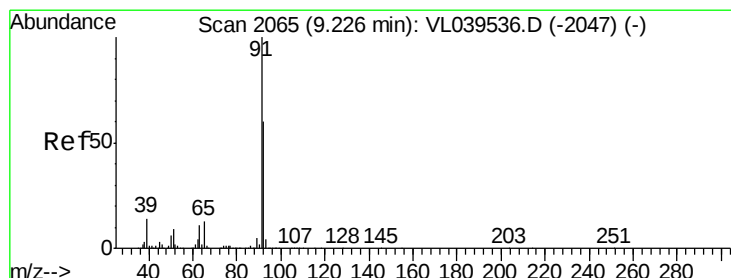
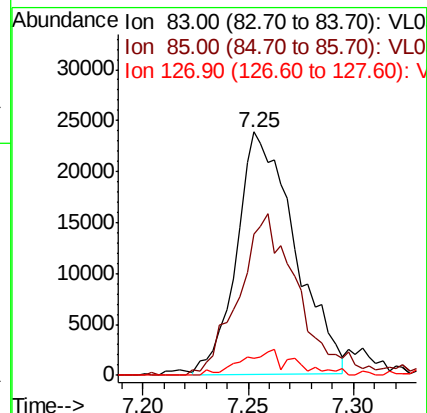
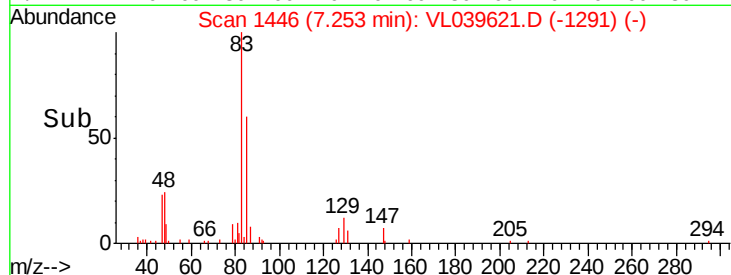
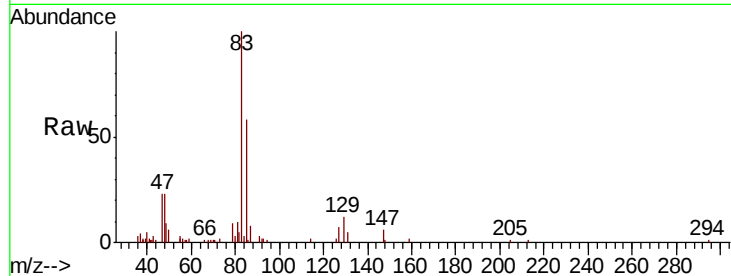
127 7.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/08/2022

Supervised By :Mahesh Dadoda 09/08/2022



#53

Toluene

Concen: 1.250 ppbv

RT: 9.23 min Scan# 2061

Delta R.T. 0.00 min

Lab File: VL039621.D

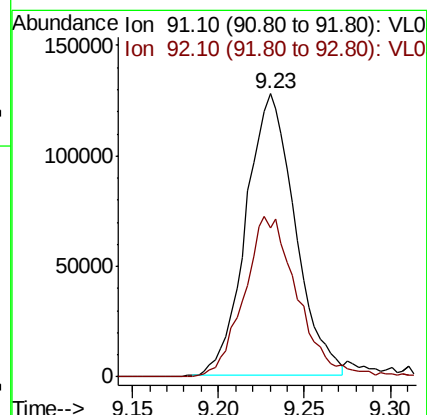
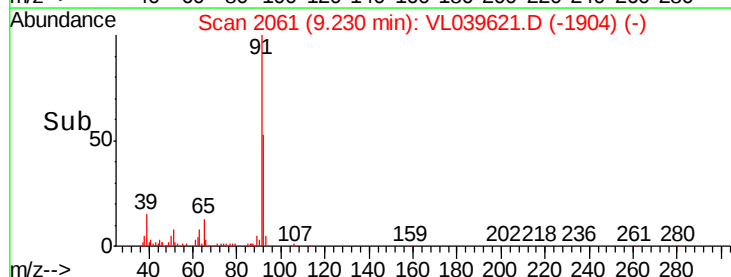
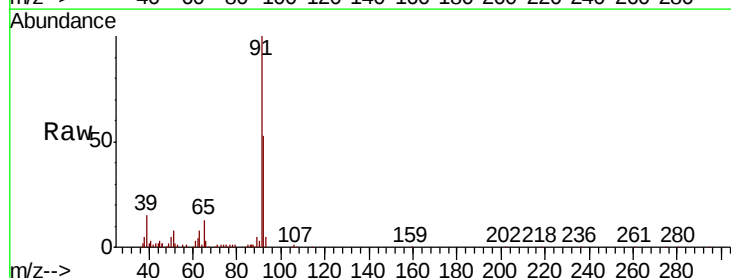
Acq: 7 Sep 2022 16:14

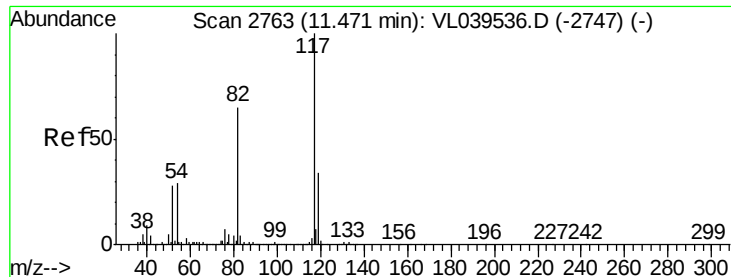
Tgt Ion: 91 Resp: 250921

Ion Ratio Lower Upper

91 100

92 63.2 48.2 72.2





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.47

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 7 Sep 2022 16:14

Tot Ion:1

Ion Rati

117 100

82 63.

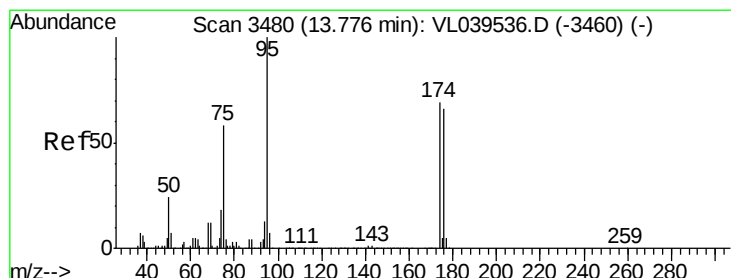
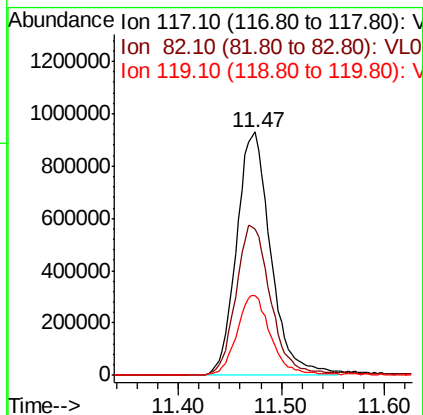
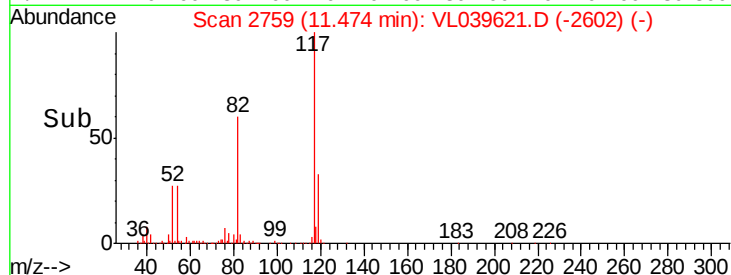
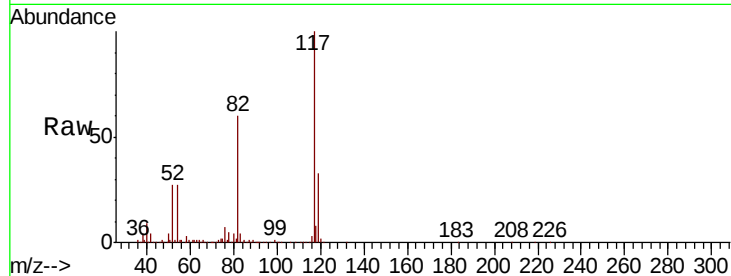
119 33.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/08/2022

Supervised By :Mahesh Dadoda 09/08/2022



#68

1-Bromo-4-Fluorobenzene

Concen: 9.791 ppbv

RT: 13.78 min Scan# 3476

Delta R.T. 0.00 min

Lab File: VL039621.D

Acq: 7 Sep 2022 16:14

Tgt Ion: 95 Resp: 1587852

Ion Ratio Lower Upper

95 100

174 73.6 55.9 83.9

175 5.6 4.2 6.4

