

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032322\
 Data File : VL038737.D
 Acq On : 24 Mar 2022 5:07
 Operator : SY/AP
 Sample : N2051-01DL 5X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P91DL

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/24/2022
 Supervised By : Mahesh Dadoda 03/28/2022

Quant Time: Mar 27 16:29:58 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Mon Mar 21 17:09:26 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	839432	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2294669	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	1923897	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1420535	9.63	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.06	85	10762	0.10	ppbv	93
9) Propene	3.02	41	15872m	0.37	ppbv	
13) Ethanol	3.62	45	26637m	5.64	ppbv	
15) Acetone	3.86	43	261258	3.61	ppbv #	88
19) Isopropyl Alcohol	3.99	45	7690m	0.19	ppbv	
20) Methylene Chloride	4.35	84	28320m	0.93	ppbv	
29) Chloroform	5.75	83	396865	3.04	ppbv	95
34) 2-Butanone	5.25	43	252607	2.78	ppbv	93
52) Tetrachloroethene	11.22	164	145779	2.25	ppbv	97

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

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Quant Time: Mar 27 16:29:58 2022

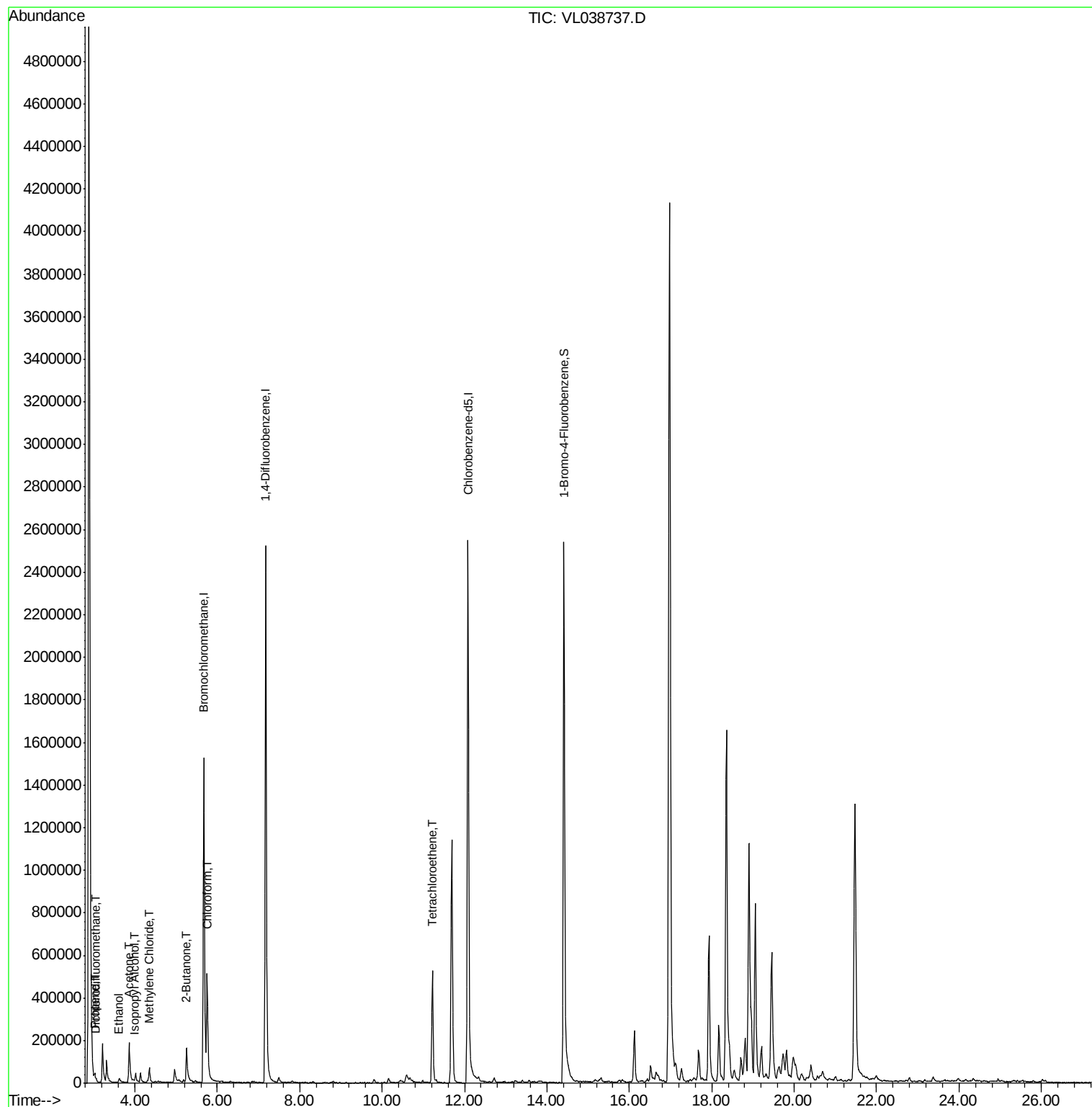
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL032122

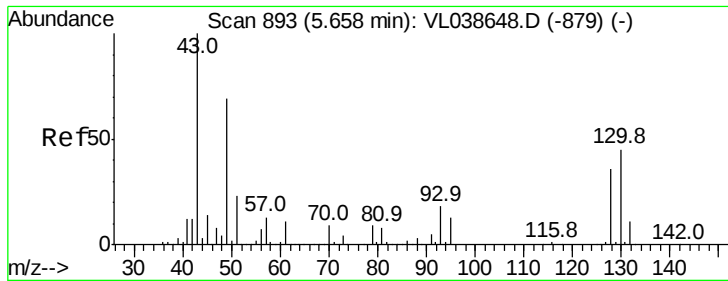
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:

QLast Update : Mon Mar 21 17:09:26 2022

Response via : Initial Calibration

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Supervised By :Mahesh Dadoda 03/28/2022





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Mar 2022 5:07

Tgt Ion:

Ion Ratio

49 100

128 57.

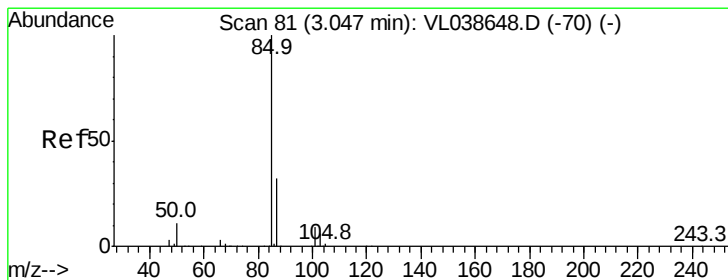
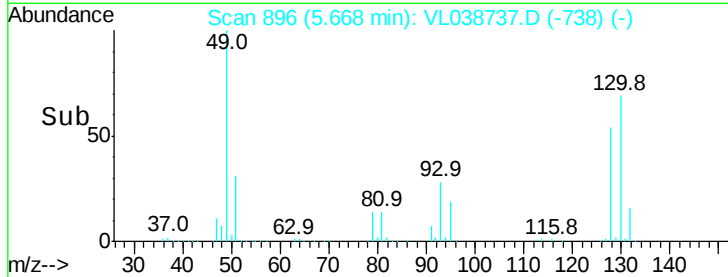
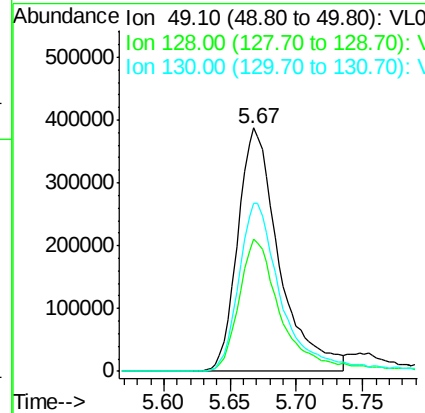
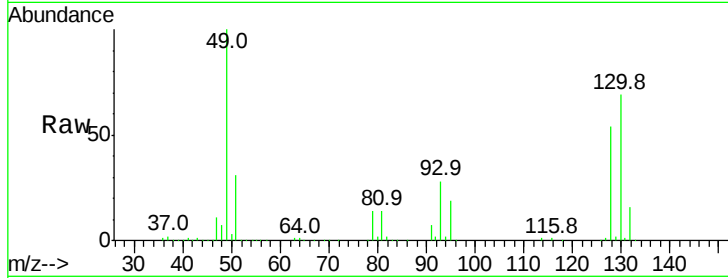
130 74.

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 0.10 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.01 min

Lab File: VL038737.D

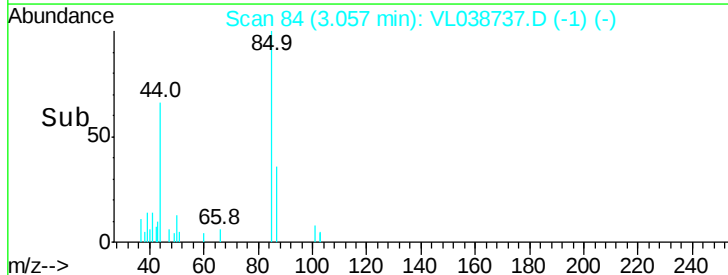
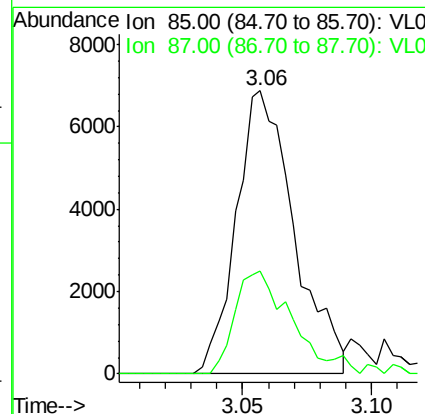
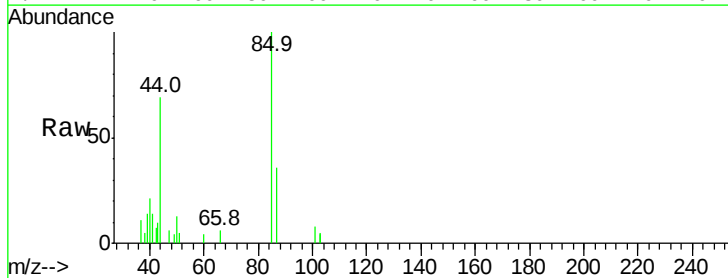
Acq: 24 Mar 2022 5:07

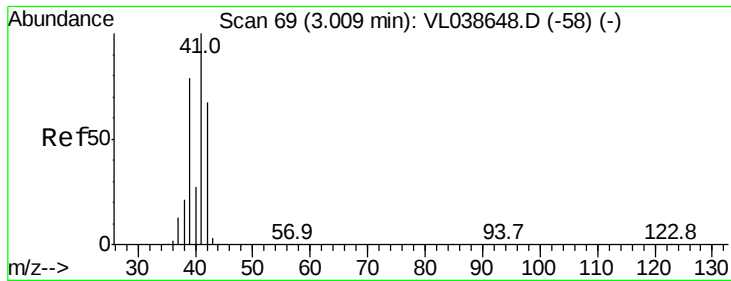
Tgt Ion: 85 Resp: 10762

Ion Ratio Lower Upper

85 100

87 36.2 26.0 39.0





#9

Propene

Concen: 0.37 ppbv m

RT: 3.02 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Mar 2022 5:07 C0P91DL

Tgt Ion:

Ion Ratio

41 100

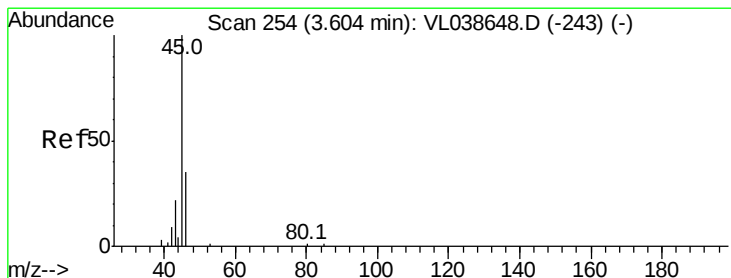
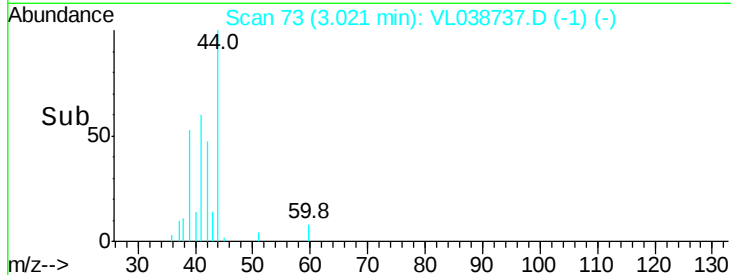
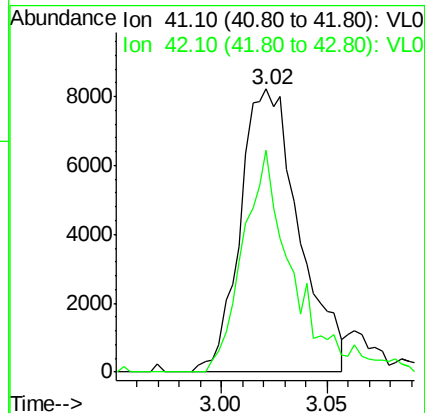
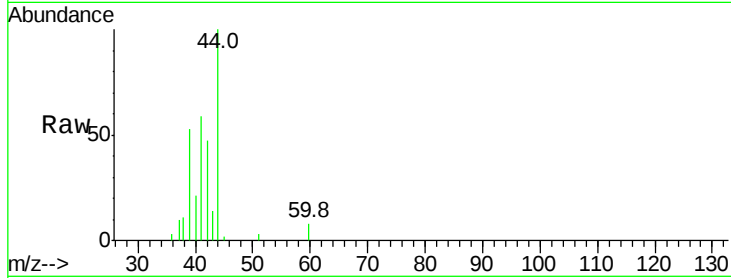
42 67.

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#13

Ethanol

Concen: 5.64 ppbv m

RT: 3.62 min Scan# 259

Delta R.T. 0.02 min

Lab File: VL038737.D

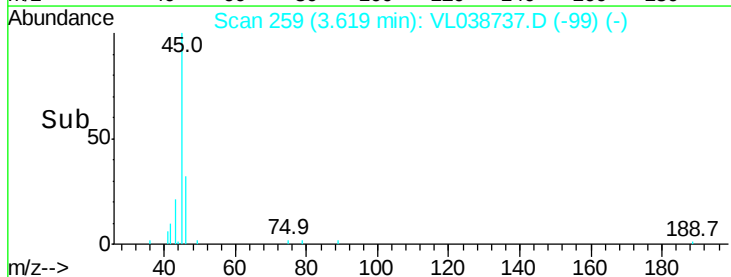
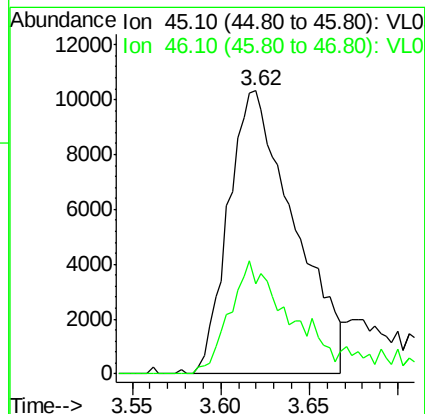
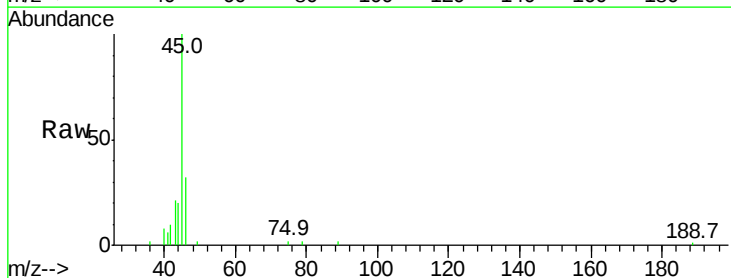
Acq: 24 Mar 2022 5:07

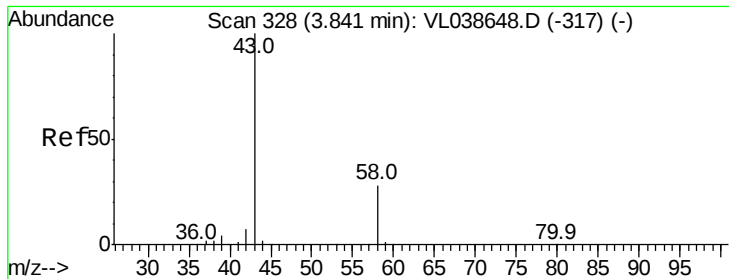
Tgt Ion: 45 Resp: 26637

Ion Ratio Lower Upper

45 100

46 40.6 15.1 60.5





#15

Acetone

Concen: 3.61 ppbv

RT: 3.86

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 24 Mar 2022 5:07

Tgt Ion:

Ion Ratio

43 100

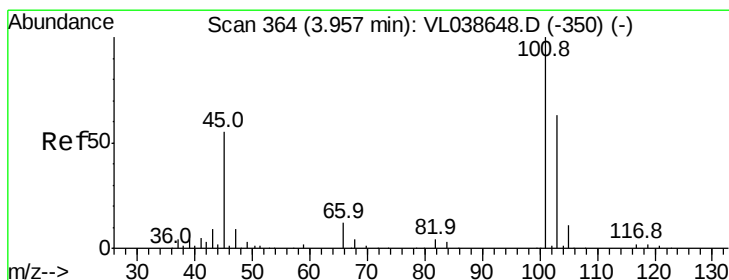
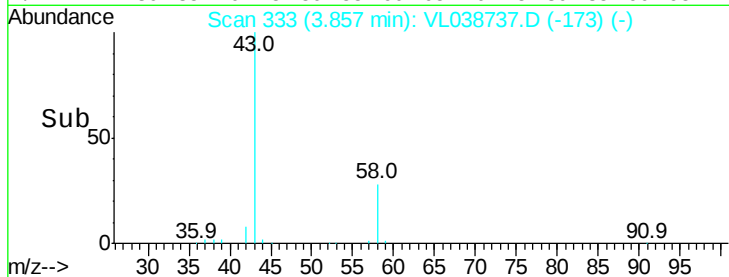
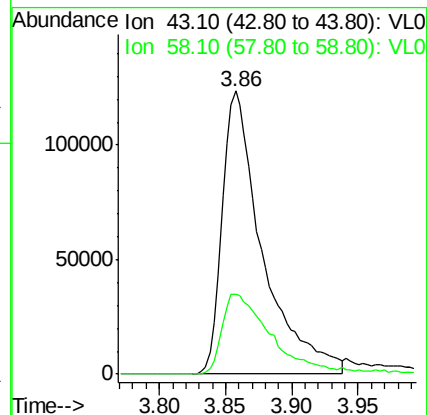
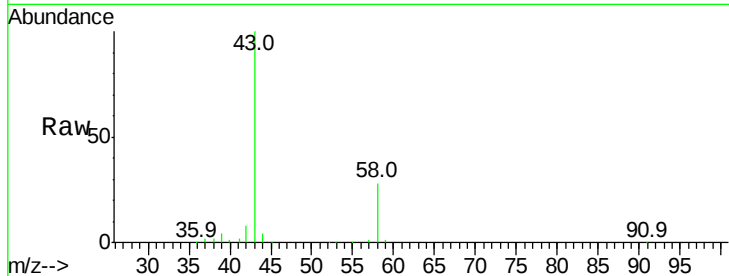
58 35.

Manual Integrations

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#19

Isopropyl Alcohol

Concen: 0.19 ppbv m

RT: 3.99 min Scan# 373

Delta R.T. 0.03 min

Lab File: VL038737.D

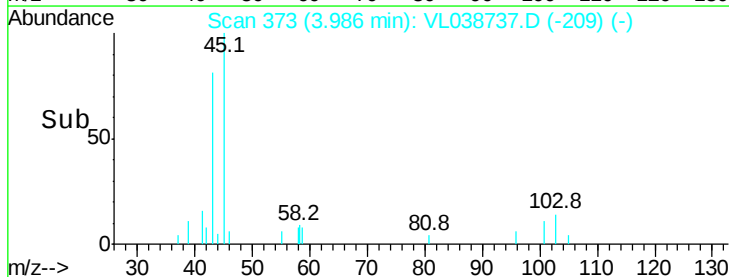
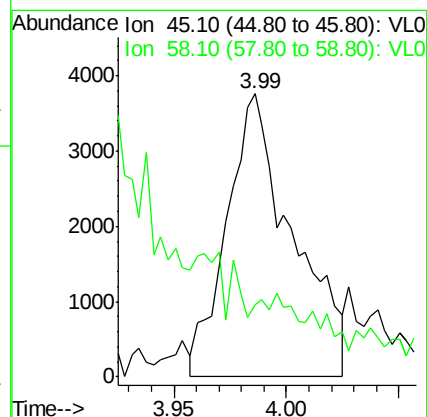
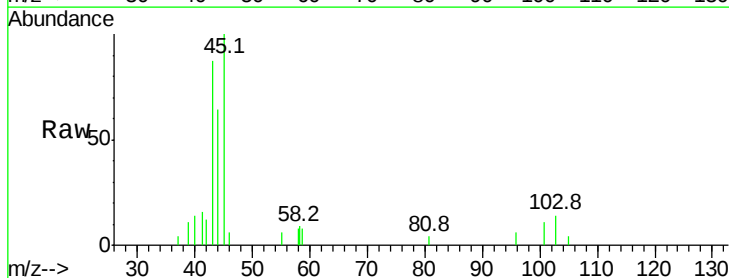
Acq: 24 Mar 2022 5:07

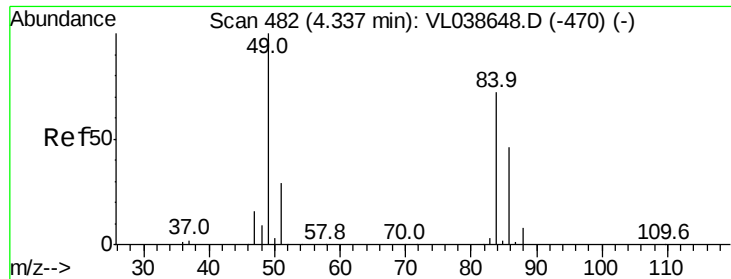
Tgt Ion: 45 Resp: 7690

Ion Ratio Lower Upper

45 100

58 0.0 2.3 3.5#



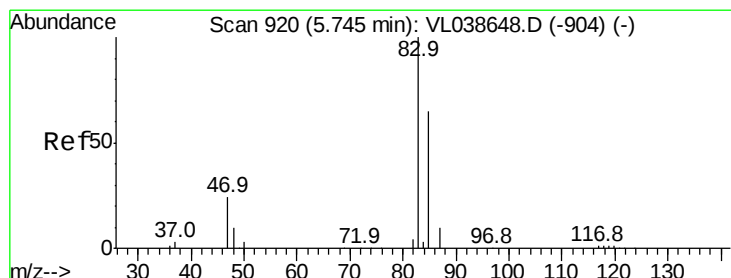
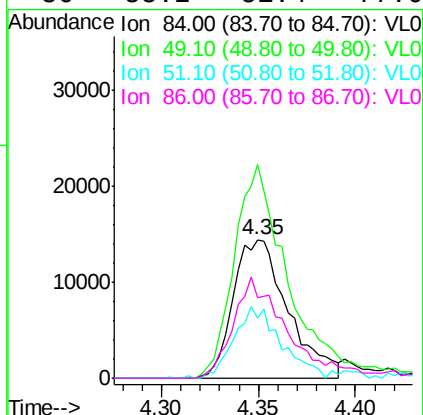
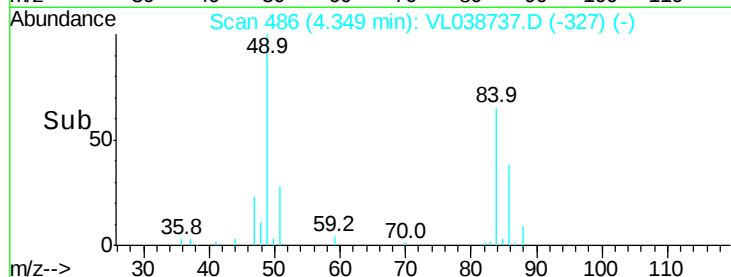
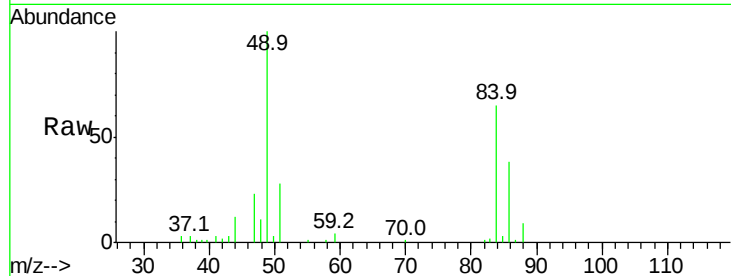


#20
Methylene Chloride
Concen: 0.93 ppbv m
RT: 4.35
Instrument: MSVOA_L
Delta R.T.
Lab File: ClientSampleId :
Acq: 24 Mar 2022 5:07

Tgt Ion:
Ion Ratio
84 100
49 154.
51 43.
86 58.2 51.4 77.0

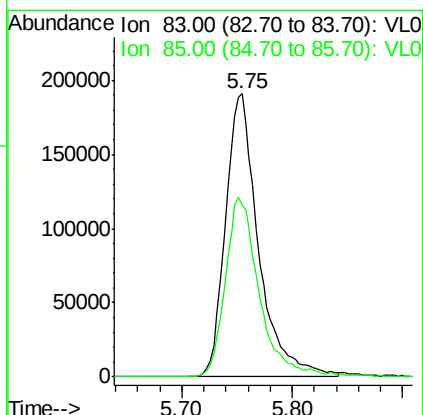
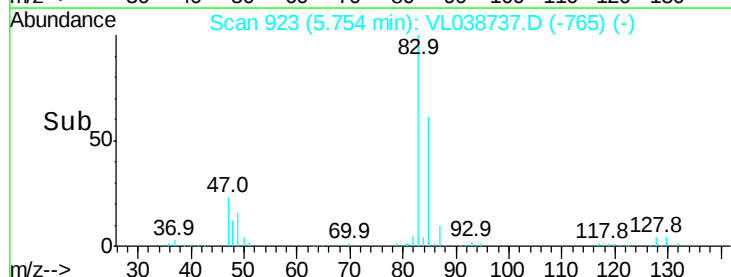
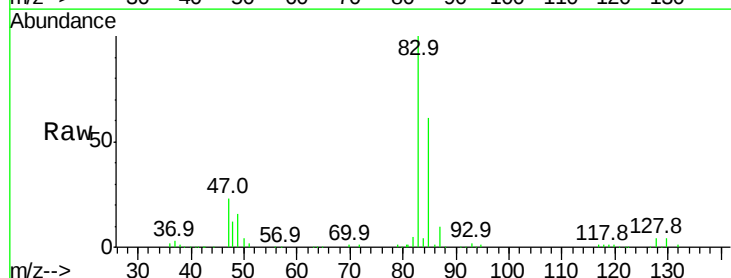
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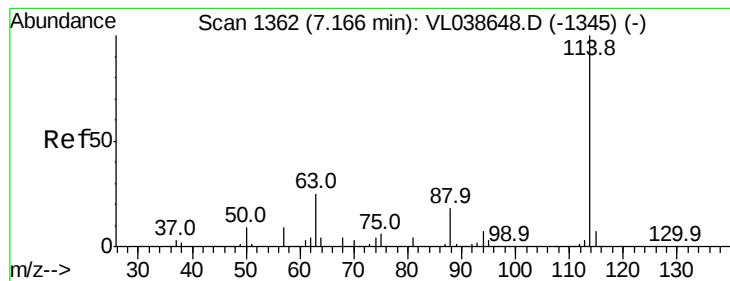
Reviewed By :Semsettin Yesilyurt 03/24/2022
Supervised By :Mahesh Dadoda 03/28/2022



#29
Chloroform
Concen: 3.04 ppbv
RT: 5.75 min Scan# 923
Delta R.T. 0.01 min
Lab File: VL038737.D
Acq: 24 Mar 2022 5:07

Tgt Ion: 83 Resp: 396865
Ion Ratio Lower Upper
83 100
85 60.7 51.7 77.5





#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 7.17

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 24 Mar 2022 5:07

Tgt Ion:1

Ion Rati

114 100

63 23.

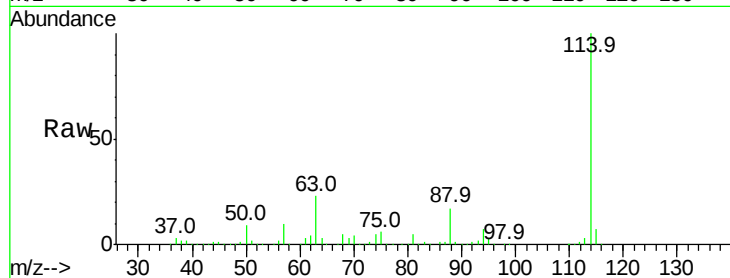
88 17.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/24/2022

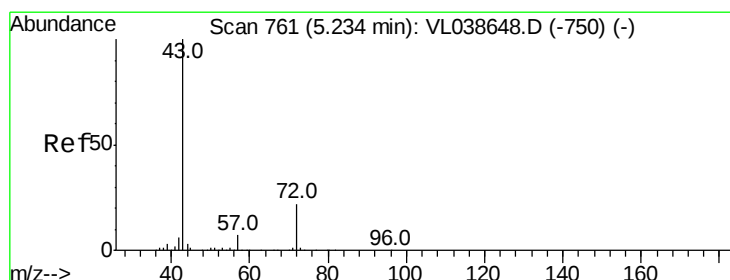
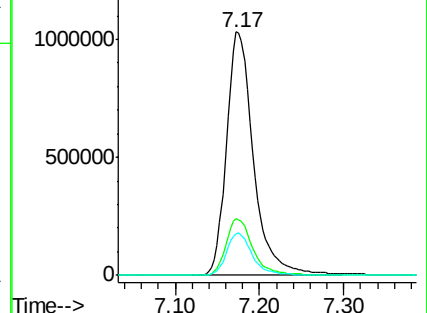
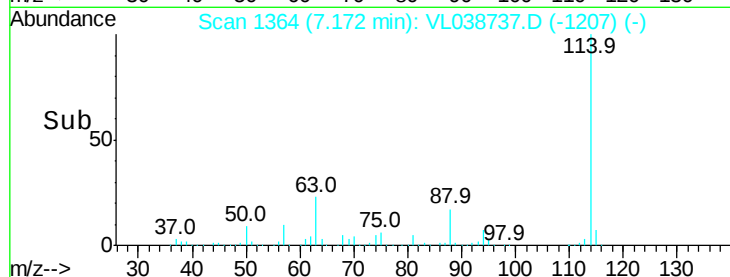
Supervised By :Mahesh Dadoda 03/28/2022



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 2.78 ppbv

RT: 5.25 min Scan# 766

Delta R.T. 0.02 min

Lab File: VL038737.D

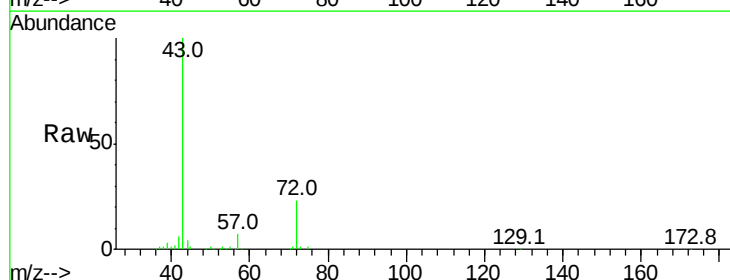
Acq: 24 Mar 2022 5:07

Tgt Ion: 43 Resp: 252607

Ion Ratio Lower Upper

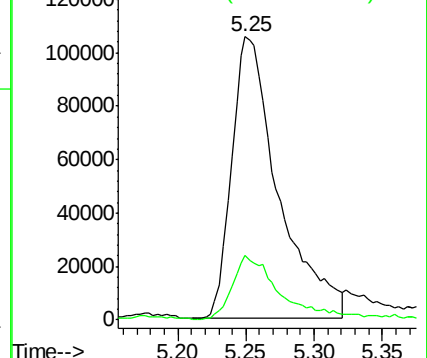
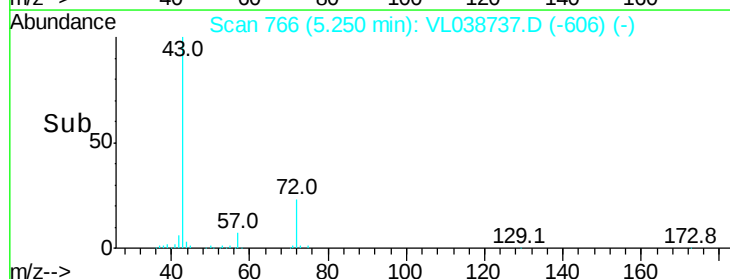
43 100

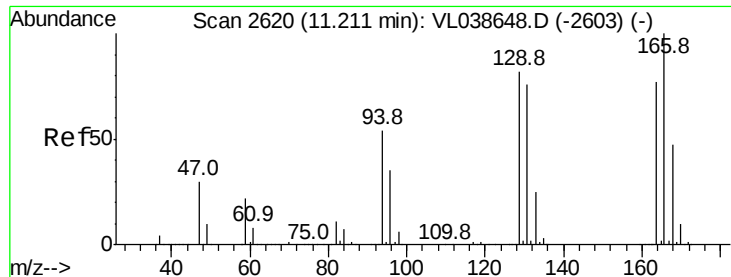
72 25.4 17.8 26.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#52

Tetrachloroethene

Concen: 2.25 ppbv

RT: 11.22

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 24 Mar 2022 5:07

Tgt Ion:1

Ion Ratio

164 100

166 121.

129 104.

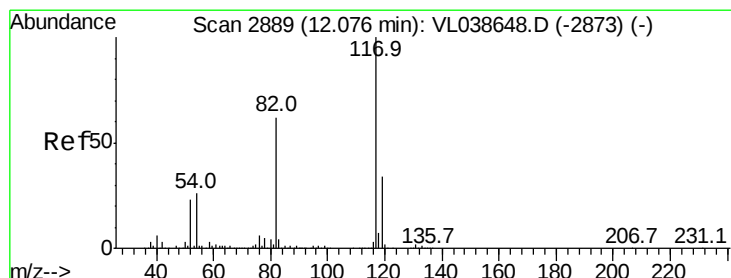
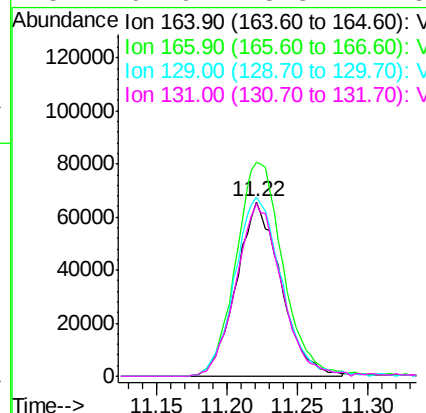
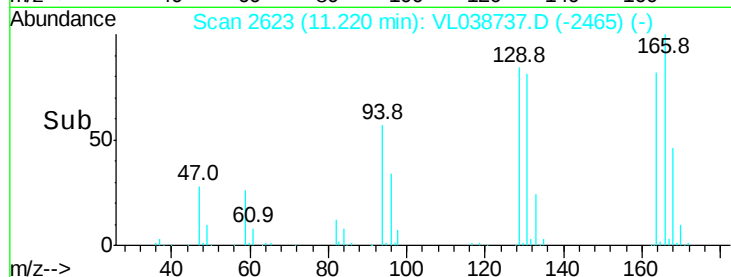
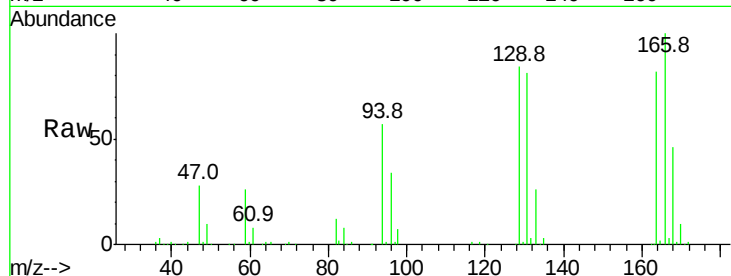
131 97.9

Manual Integrations

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Supervised By :Mahesh Dadoda 03/28/2022



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.09 min Scan# 2892

Delta R.T. 0.01 min

Lab File: VL038737.D

Acq: 24 Mar 2022 5:07

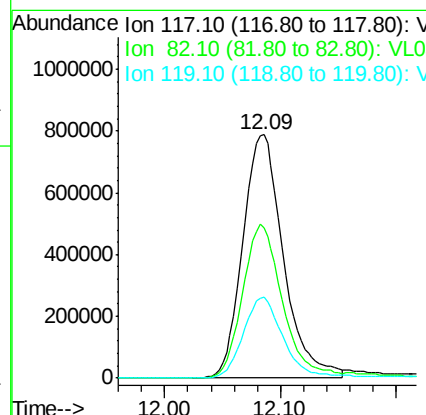
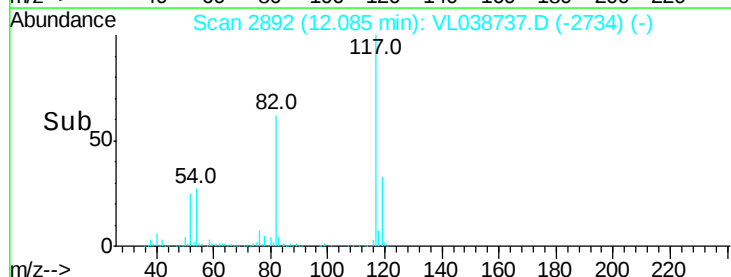
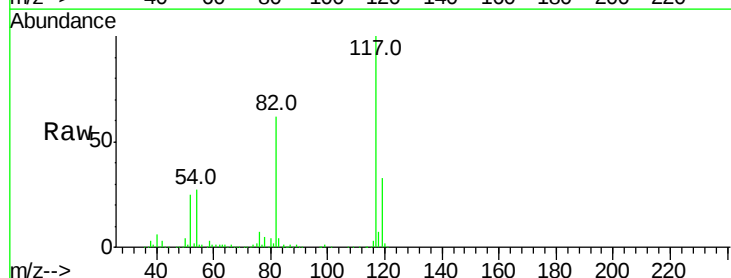
Tgt Ion:117 Resp: 1923897

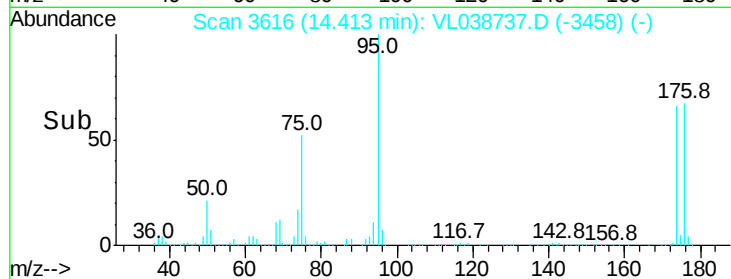
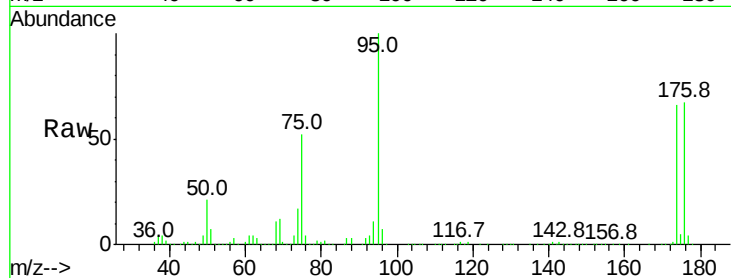
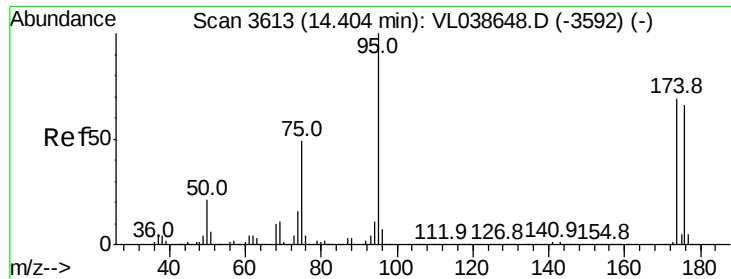
Ion Ratio Lower Upper

117 100

82 65.3 51.6 77.4

119 34.4 26.9 40.3





#68

1-Bromo-4-Fluorobenzene

Concen: 9.63 ppbv

RT: 14.41

Delta R.T

Lab File: ClientSampleId :

Acq: 24 Mar 2022 3:07

Tgt Ion:

Ion Ratio

95 100

174 71.

175 5.

Manual Integrations

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