

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL032322\
 Data File : VL038741.D
 Acq On : 24 Mar 2022 7:46
 Operator : SY/AP
 Sample : N2052-01DL 5X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P95DL

Manual Integrations
 APPROVED

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

Quant Time: Apr 03 01:14:48 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	869441	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2328098	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	1989880	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1409651	9.24	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.40%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	14422m	0.325	ppbv	
13) Ethanol	3.62	45	45089	9.220	ppbv	93
15) Acetone	3.86	43	182655m	2.435	ppbv	
17) tert-Butyl alcohol	4.31	59	11480m	0.175	ppbv	
19) Isopropyl Alcohol	3.98	45	11132	0.268	ppbv #	1
29) Chloroform	5.75	83	35510	0.262	ppbv	96
34) 2-Butanone	5.25	43	193205m	2.097	ppbv	
51) 2-Hexanone	10.15	43	16399m	0.133	ppbv	
52) Tetrachloroethene	11.22	164	320814	4.879	ppbv	98

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

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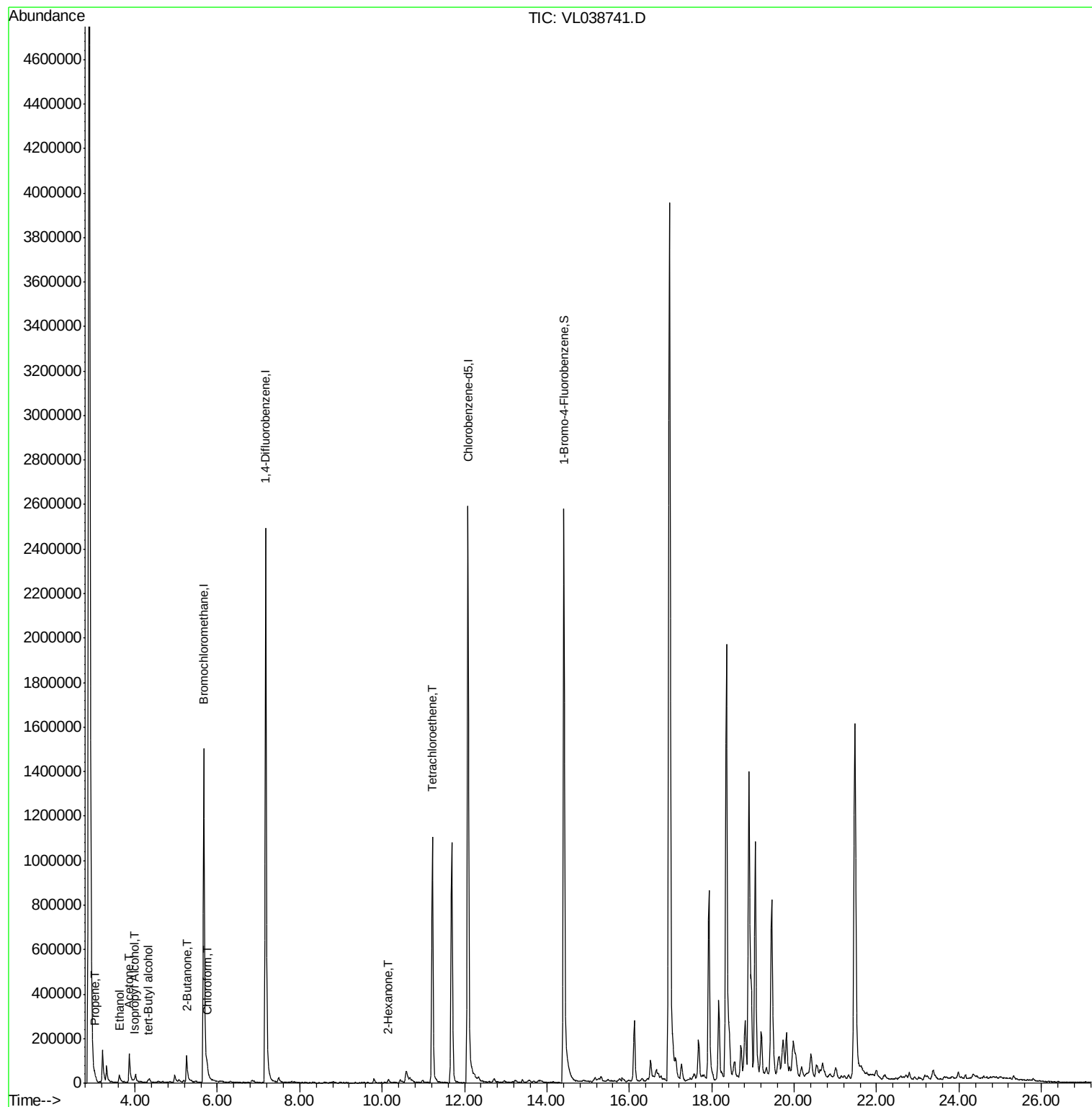
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032122

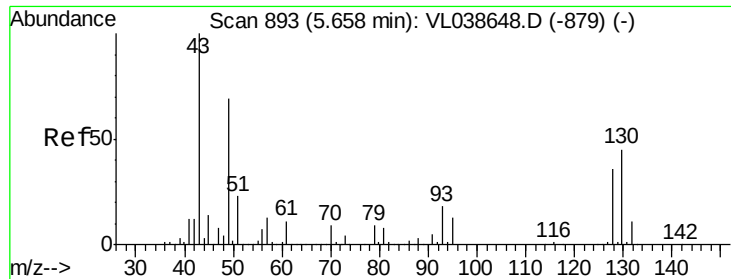
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:

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: 10.000 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Mar 2022 7:40 COP95DL

Tot Ion:

Ion Ratio

49 100

128 55.

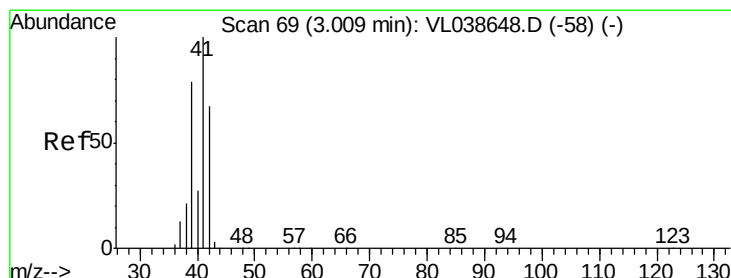
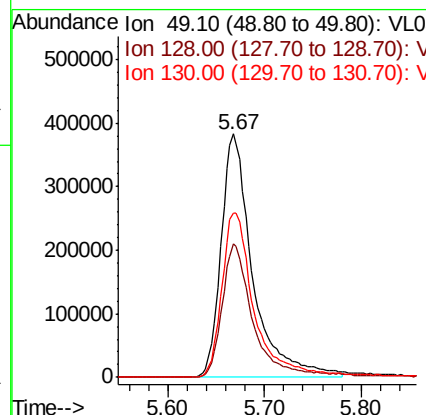
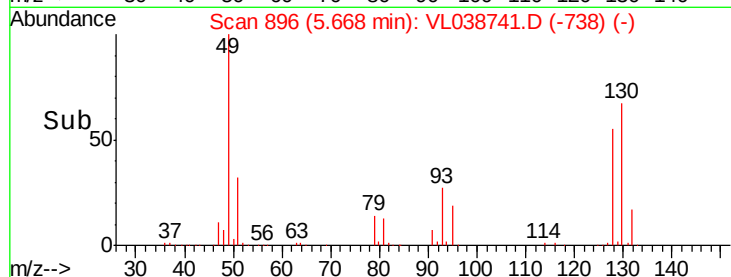
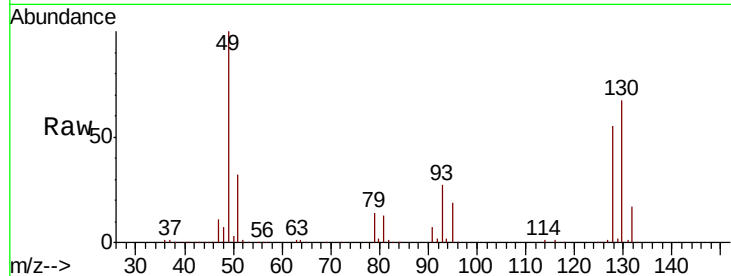
130 71.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/24/2022

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#9

Propene

Concen: 0.325 ppbv m

RT: 3.02 min Scan# 73

Delta R.T. 0.01 min

Lab File: VL038741.D

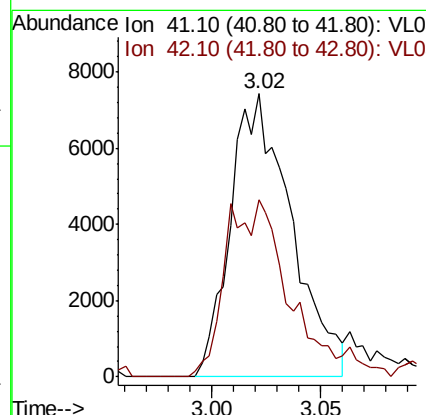
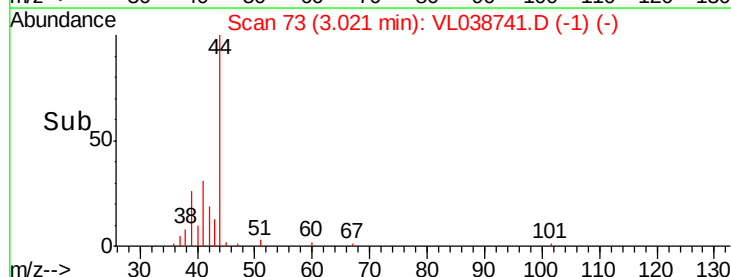
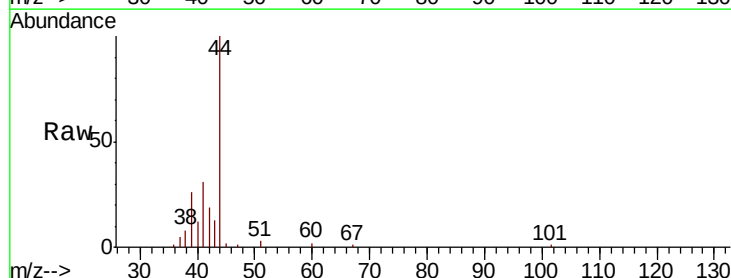
Acq: 24 Mar 2022 7:46

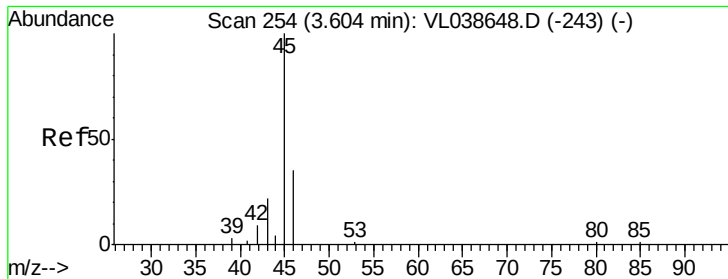
Tgt Ion: 41 Resp: 14422

Ion Ratio Lower Upper

41 100

42 0.0 56.2 84.4#



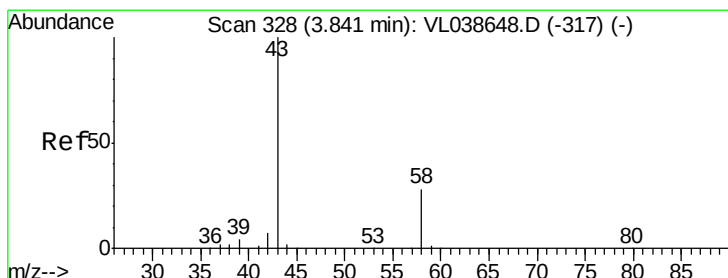
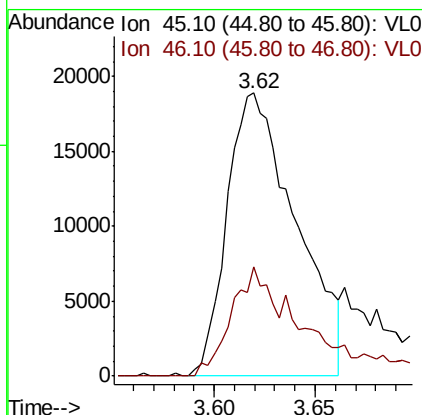
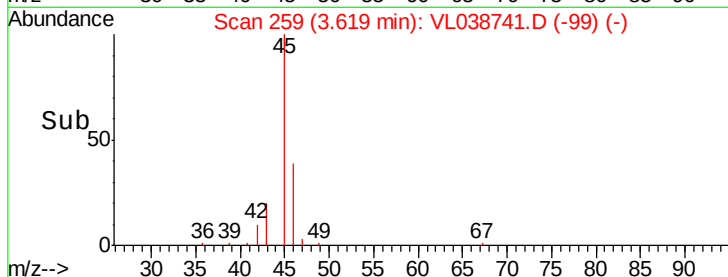
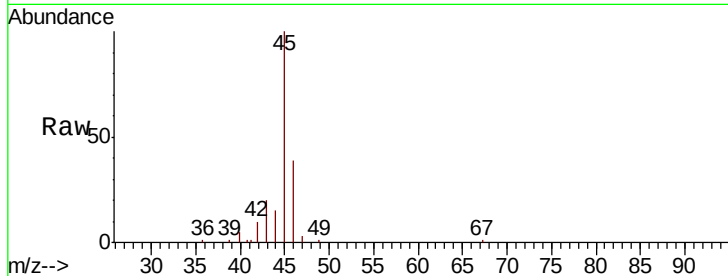


#13
Ethanol
Concen: 9.220 ppbv
RT: 3.62
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 24 Mar 2022 7:40

Tot Ion:
Ion Ratio
45 100
46 42.

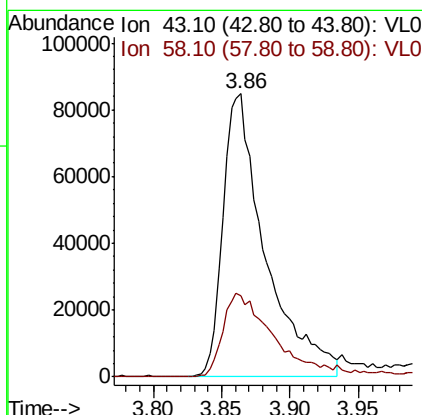
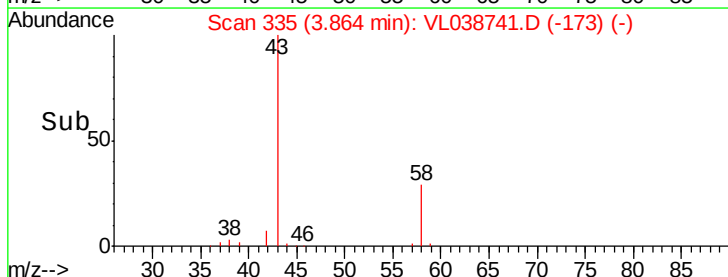
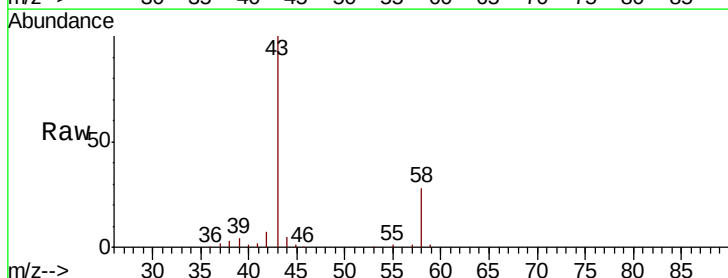
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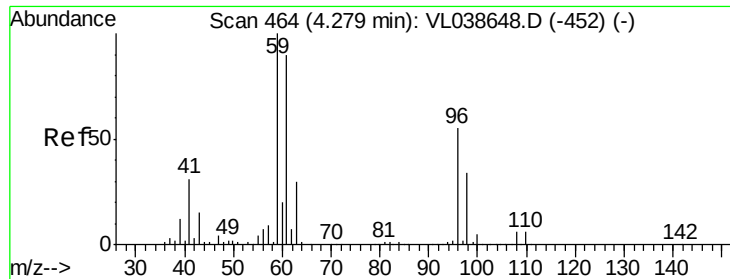
Reviewed By :Semsettin Yesilyurt 03/24/2022
Supervised By :Mahesh Dadoda 03/28/2022



#15
Acetone
Concen: 2.435 ppbv m
RT: 3.86 min Scan# 335
Delta R.T. 0.02 min
Lab File: VL038741.D
Acq: 24 Mar 2022 7:46

Tgt Ion: 43 Resp: 182655
Ion Ratio Lower Upper
43 100
58 38.4 23.3 34.9#



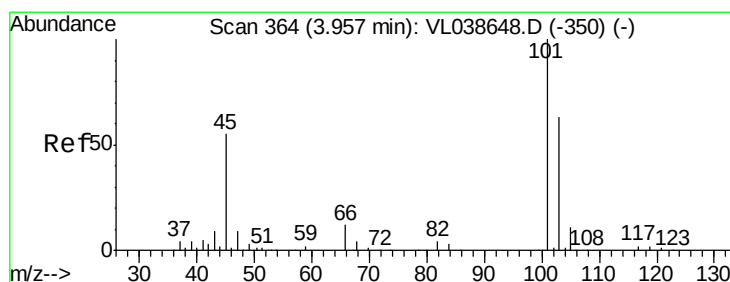
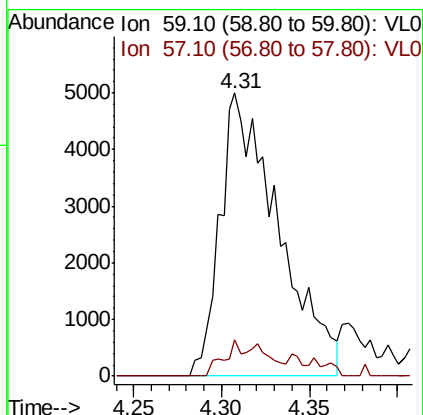
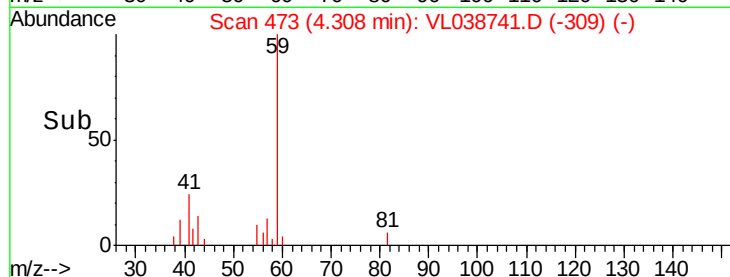
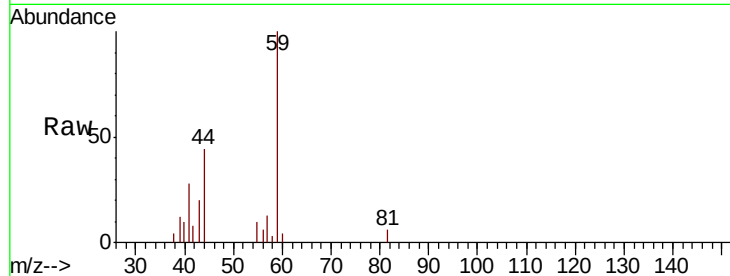


#17
tert-Butyl alcohol
Concen: 0.175 ppbv m
RT: 4.31
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
COP95DL
Acq: 24 Mar 2022 7:40

Tot Ion:
Ion Ratio
59 100
57 12.

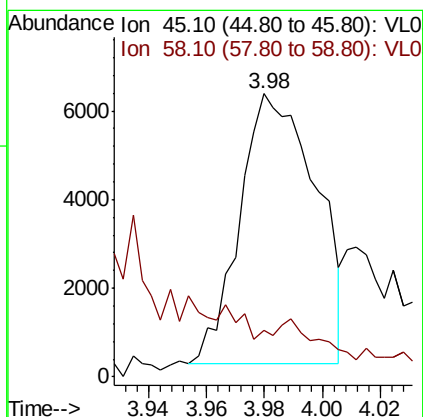
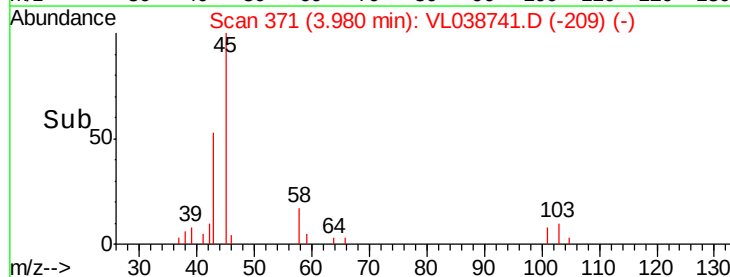
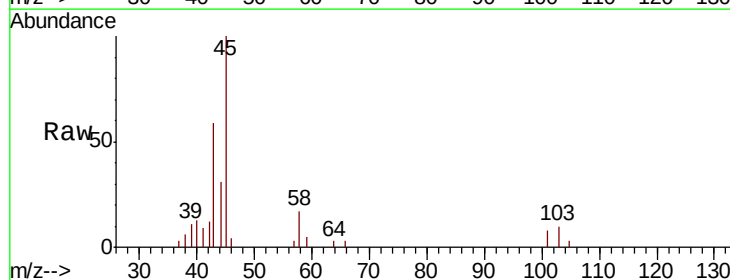
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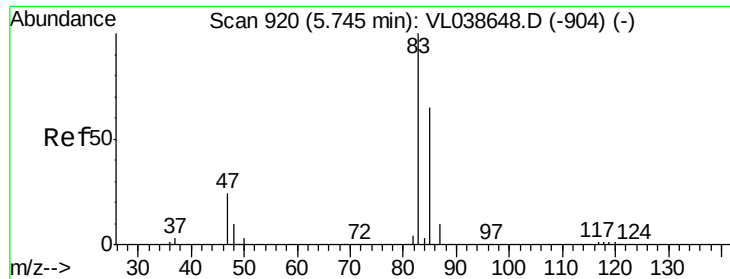
Reviewed By :Semsettin Yesilyurt 03/24/2022
Supervised By :Mahesh Dadoda 03/28/2022



#19
Isopropyl Alcohol
Concen: 0.268 ppbv
RT: 3.98 min Scan# 371
Delta R.T. 0.02 min
Lab File: VL038741.D
Acq: 24 Mar 2022 7:46

Tgt Ion: 45 Resp: 11132
Ion Ratio Lower Upper
45 100
58 630.4 2.3 3.5#



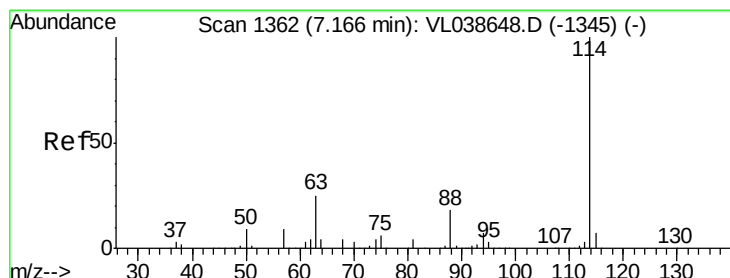
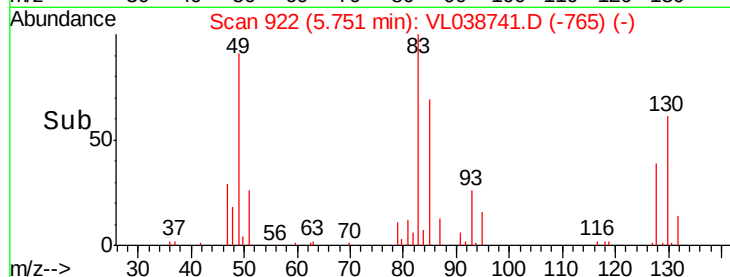
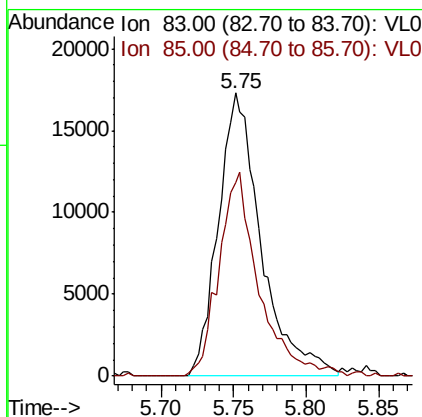
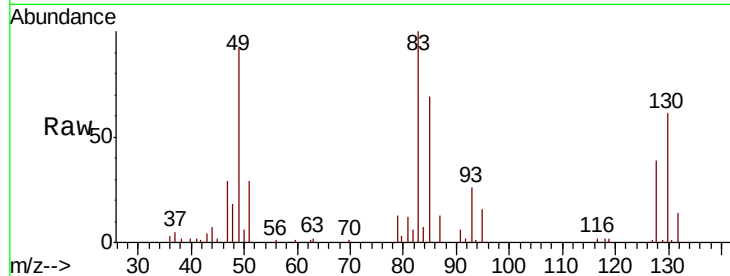


#29
Chloroform
Concen: 0.262 ppbv
RT: 5.75
Delta R.T.: MSVOA_L
Lab File: ClientSampleId :
Acq: 24 Mar 2022 7:48

Tot Ion:
Ion Ratio
83 100
85 67.

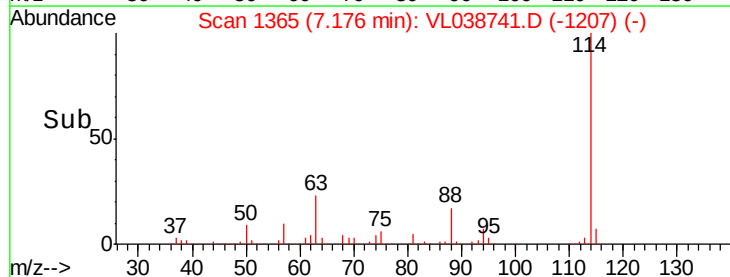
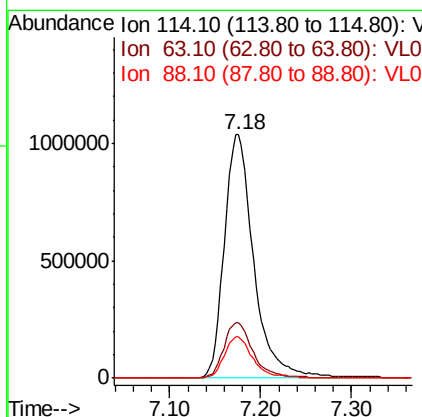
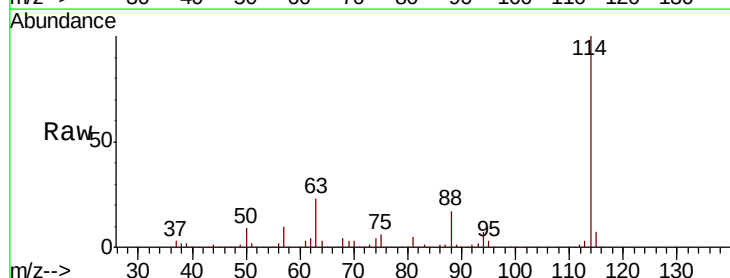
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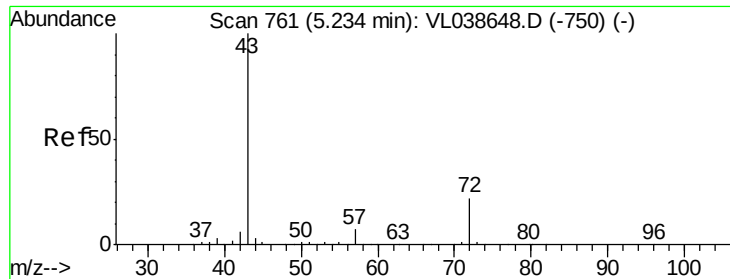
Reviewed By :Semsettin Yesilyurt 03/24/2022
Supervised By :Mahesh Dadoda 03/28/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T.: 0.01 min
Lab File: VL038741.D
Acq: 24 Mar 2022 7:46

Tgt Ion:114 Resp: 2328098
Ion Ratio Lower Upper
114 100
63 23.1 19.4 29.0
88 16.7 13.9 20.9



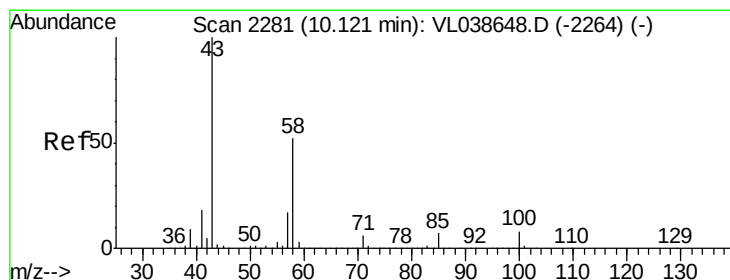
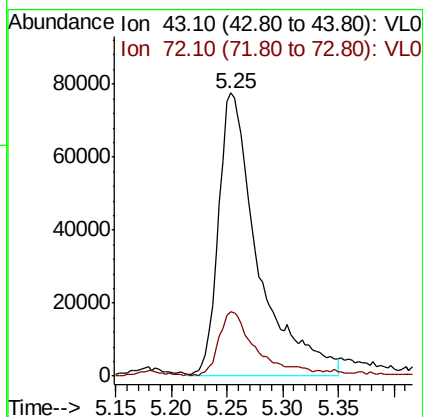
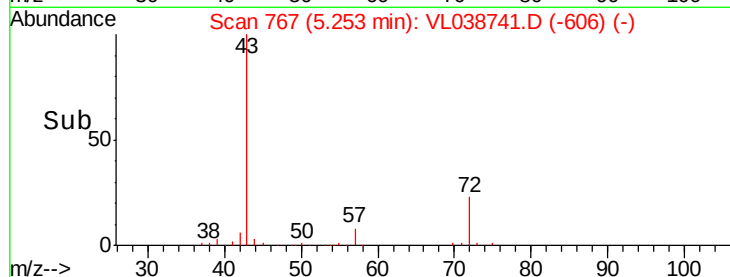
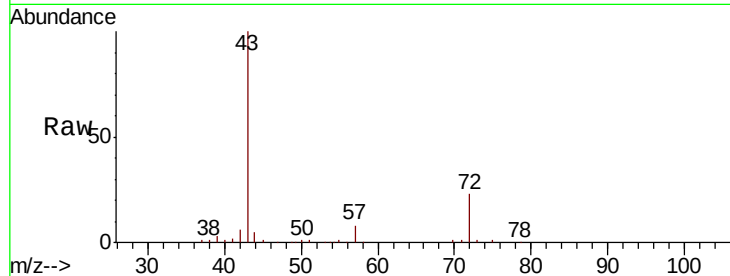


#34
2-Butanone
Concen: 2.097 ppbv m
RT: 5.25
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 24 Mar 2022 7:48

Tot Ion:
Ion Ratio
43 100
72 21.

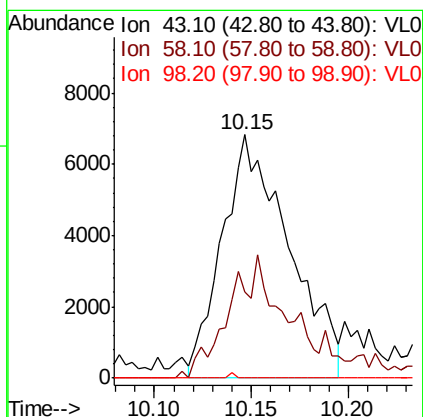
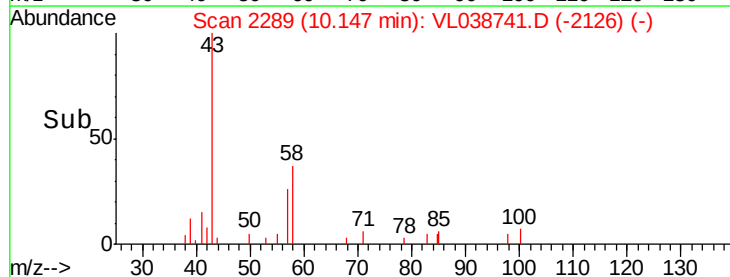
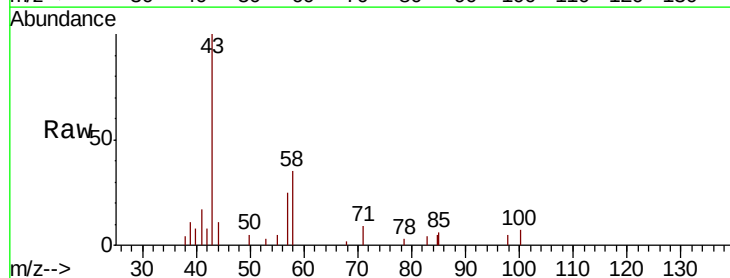
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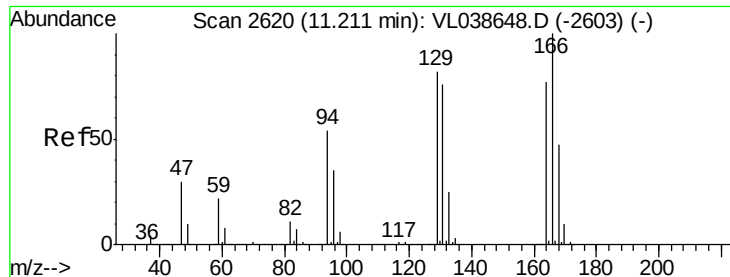
Reviewed By :Semsettin Yesilyurt 03/24/2022
Supervised By :Mahesh Dadoda 03/28/2022



#51
2-Hexanone
Concen: 0.133 ppbv m
RT: 10.15 min Scan# 2289
Delta R.T. 0.03 min
Lab File: VL038741.D
Acq: 24 Mar 2022 7:46

Tgt Ion: 43 Resp: 16399
Ion Ratio Lower Upper
43 100
58 52.4 41.2 61.8
98 0.0 0.2 0.4#





#52

Tetrachloroethene

Concen: 4.879 ppbv

RT: 11.22

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 24 Mar 2022 7:46

Tot Ion:1

Ion Ratio

164 100

166 124.

129 105.

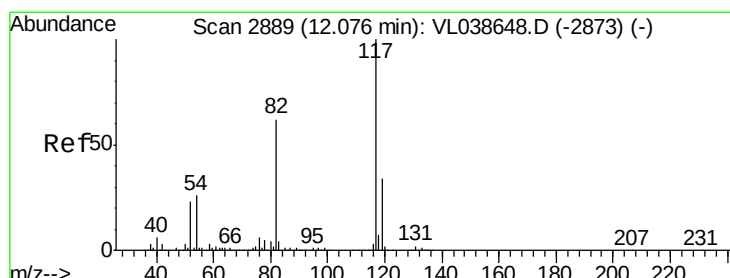
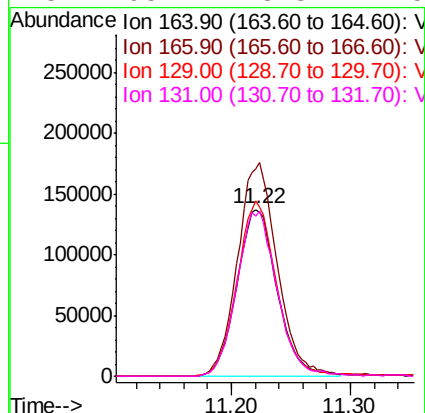
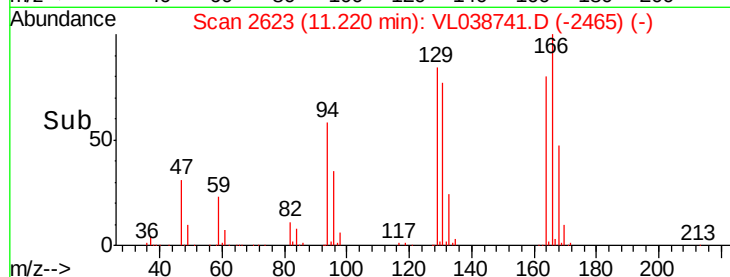
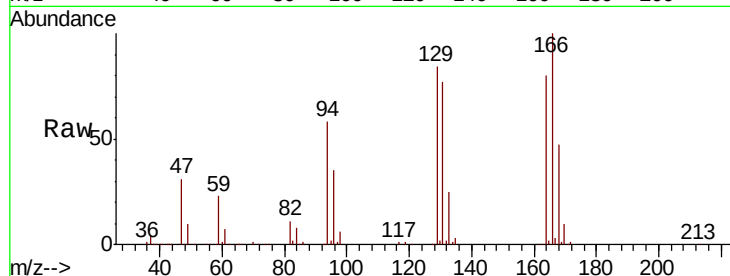
131 98.4 78.3 117.5

Manual Integrations

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Supervised By :Mahesh Dadoda 03/28/2022



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2891

Delta R.T. 0.01 min

Lab File: VL038741.D

Acq: 24 Mar 2022 7:46

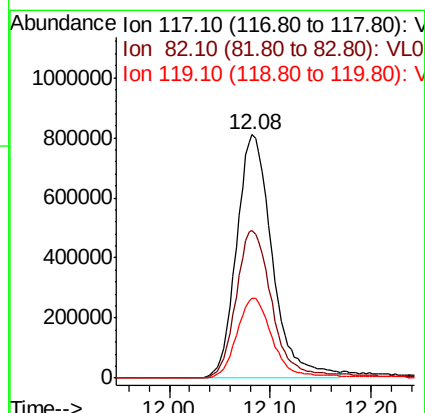
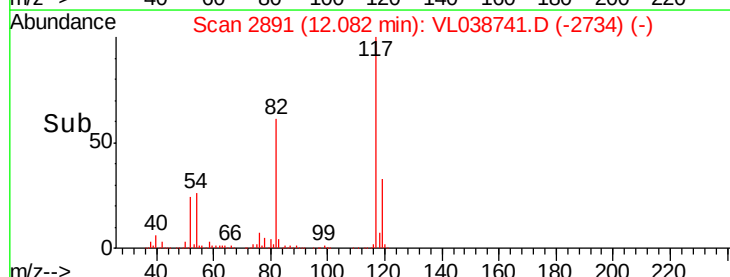
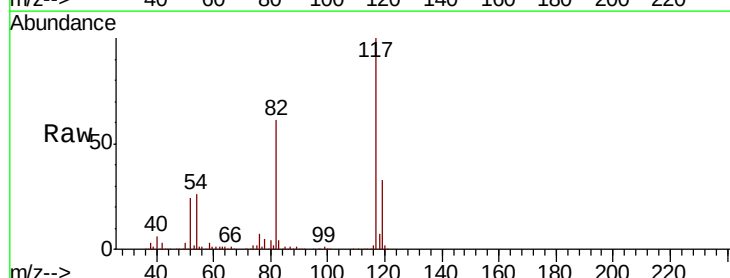
Tgt Ion:117 Resp: 1989880

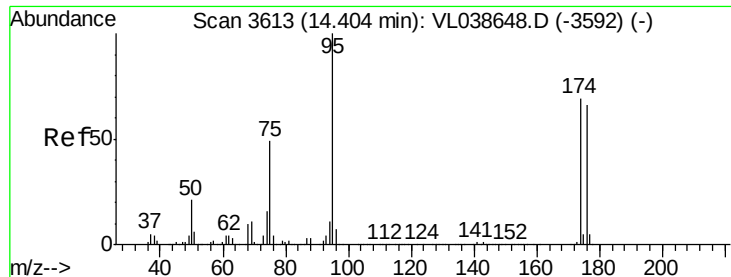
Ion Ratio Lower Upper

117 100

82 63.9 51.6 77.4

119 33.8 26.9 40.3





#68

1-Bromo-4-Fluorobenzene

Concen: 9.240 ppbv

RT: 14.41

Delta R.T

Lab File: ClientSampleId :

Acq: 24 Mar 2022 17:40

Tot Ion:

Ion Ratio

95 100

174 75.

175 5.

Manual Integrations

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Supervised By :Mahesh Dadoda 03/28/2022

