

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032322\
 Data File : VL038735.D
 Acq On : 24 Mar 2022 3:48
 Operator : SY/AP
 Sample : N2050-01DL 5X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P87DL

Manual Integrations
 APPROVED

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

Quant Time: Mar 27 16:22:53 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	5.66	49	817005	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2212732	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	1872754	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1359303	9.47	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.70%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.05	85	11333	0.10	ppbv	98
3) Chlorodifluoromethane	2.99	51	8758	0.10	ppbv #	83
4) Chloromethane	3.14	50	5560m	0.12	ppbv	
9) Propene	3.02	41	21228	0.51	ppbv	96
13) Ethanol	3.62	45	30478m	6.63	ppbv	
15) Acetone	3.86	43	248899	3.53	ppbv #	87
17) tert-Butyl alcohol	4.31	59	10257	0.17	ppbv #	90
29) Chloroform	5.75	83	34182	0.27	ppbv	91
34) 2-Butanone	5.25	43	269050m	3.07	ppbv	
51) 2-Hexanone	10.15	43	15189m	0.13	ppbv	
52) Tetrachloroethene	11.22	164	178515	2.86	ppbv	96

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

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Quant Time: Mar 27 16:22:53 2022

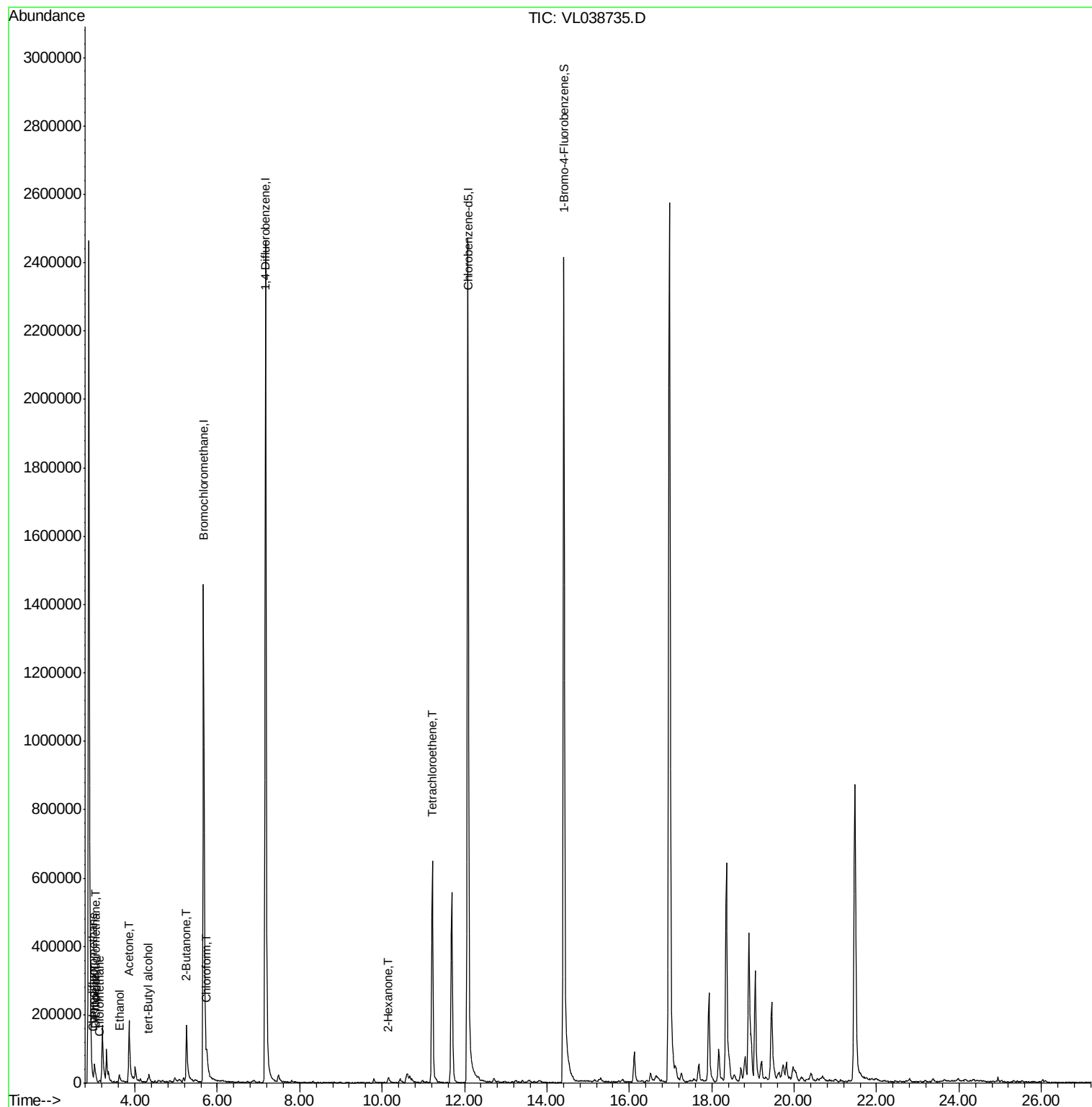
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL032122

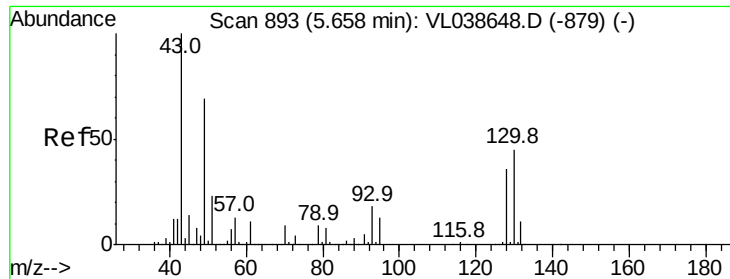
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:

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

Response via : Initial Calibration

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





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.66 Instrument: MSVOA_L

Delta R.T. 0.01 min

Lab File: ClientSampleId: C0P87DL

Acq: 24 Mar 2022 3:48

Tgt Ion:

Ion Ratio

49 100

128 55.

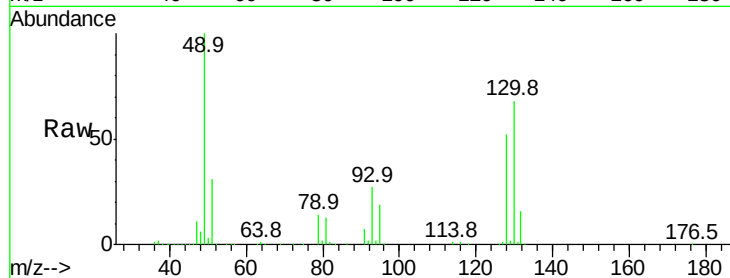
130 71.

Manual Integrations

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Supervised By :Mahesh Dadoda 03/28/2022



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.66

400000

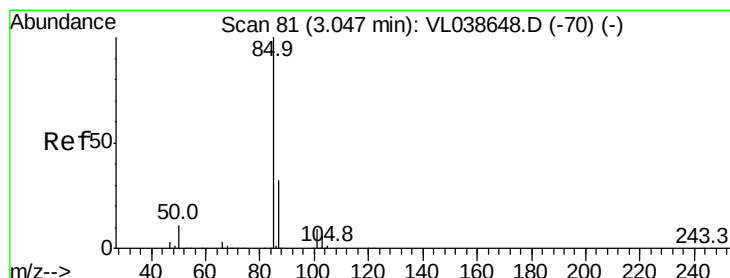
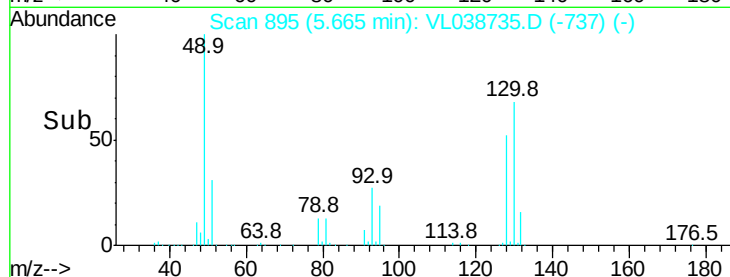
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.10 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.01 min

Lab File: VL038735.D

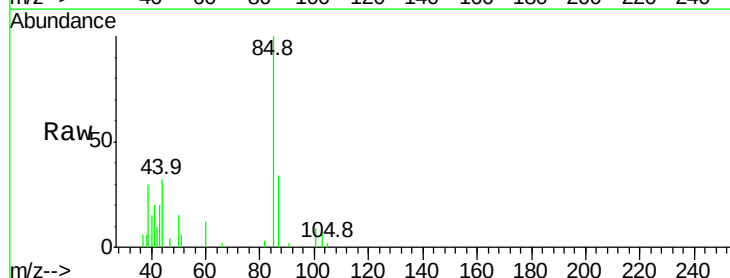
Acq: 24 Mar 2022 3:48

Tgt Ion: 85 Resp: 11333

Ion Ratio Lower Upper

85 100

87 33.8 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.05

8000

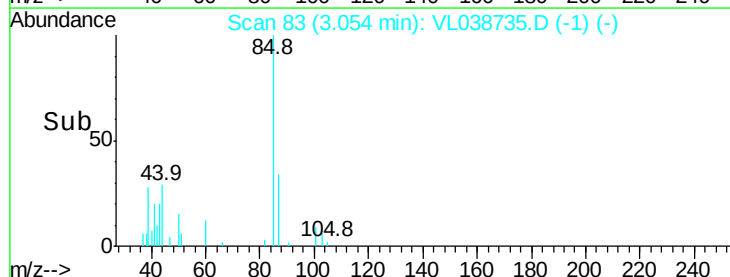
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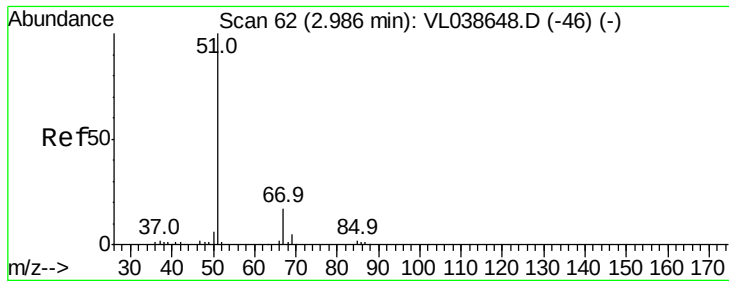
4000

2000

0

Time-->





#3

Chlorodifluoromethane

Concen: 0.10 ppbv

RT: 2.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Mar 2022 3:48

Tgt Ion:

Ion Ratio

51 100

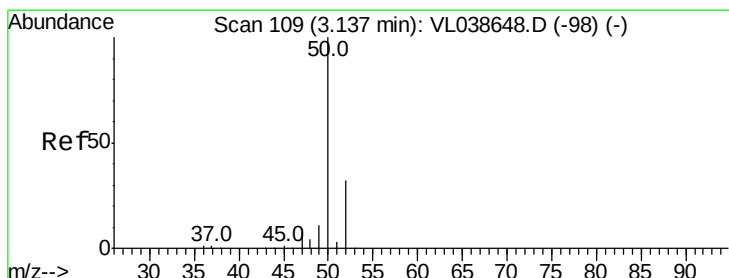
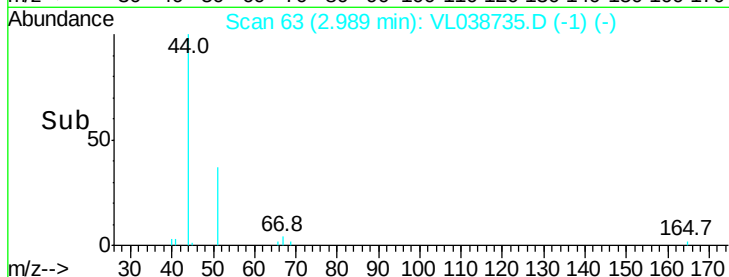
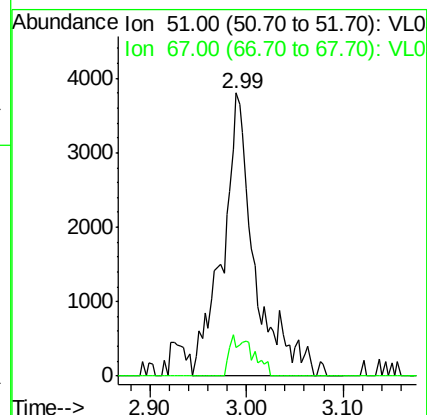
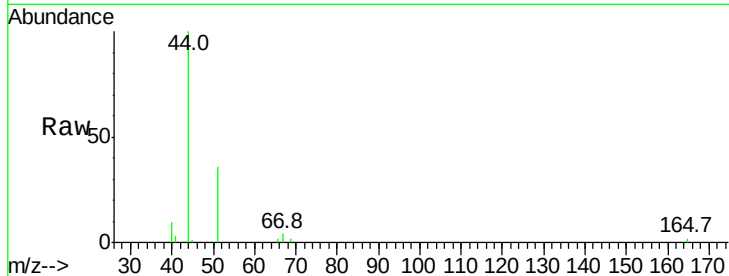
67 10.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/24/2022

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#4

Chloromethane

Concen: 0.12 ppbv m

RT: 3.14 min Scan# 110

Delta R.T. 0.00 min

Lab File: VL038735.D

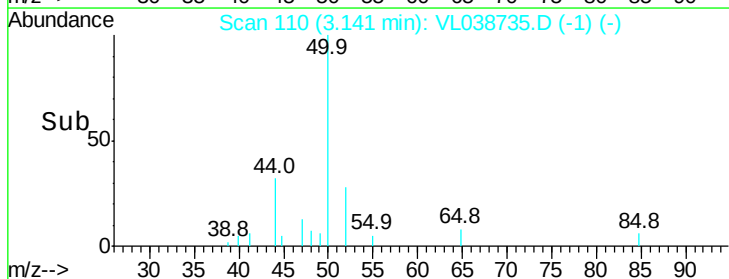
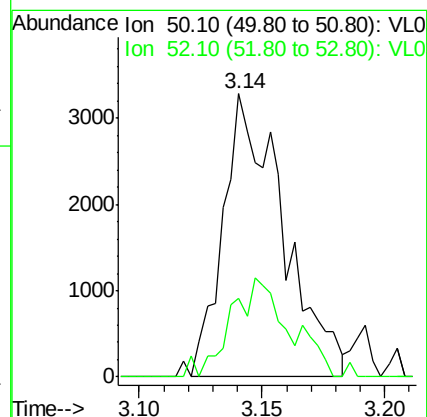
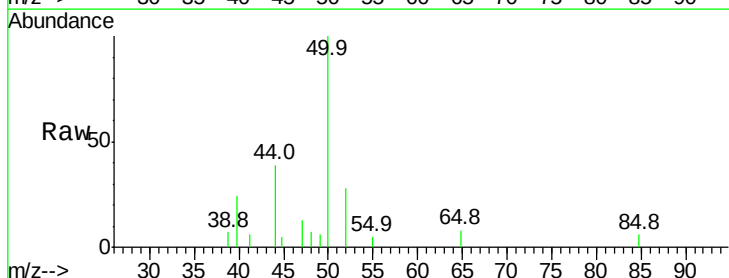
Acq: 24 Mar 2022 3:48

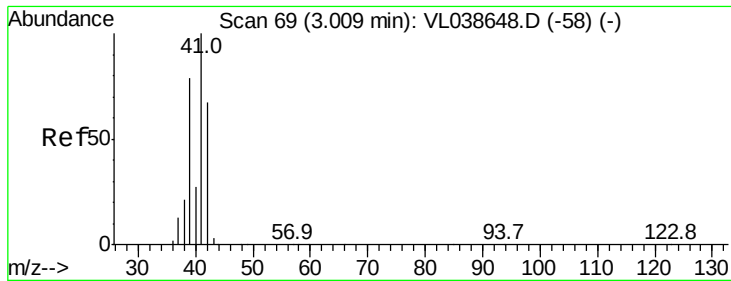
Tgt Ion: 50 Resp: 5560

Ion Ratio Lower Upper

50 100

52 28.0 25.5 38.3





#9

Propene

Concen: 0.51 ppbv

RT: 3.02 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 24 Mar 2022 3:48

Tgt Ion:

Ion Ratio

41 100

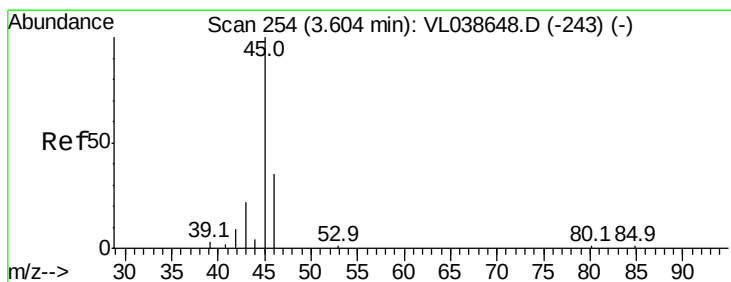
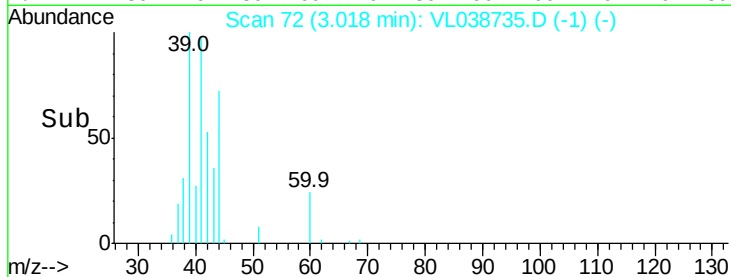
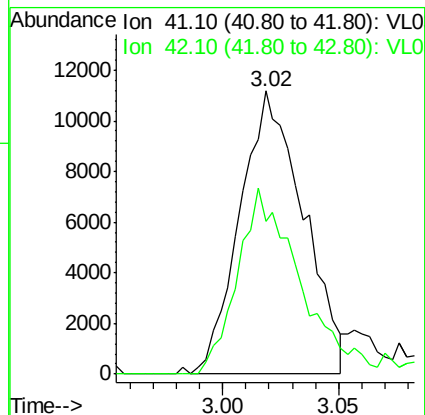
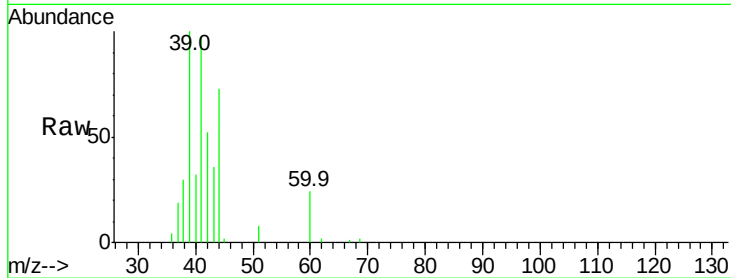
42 66.

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#13

Ethanol

Concen: 6.63 ppbv m

RT: 3.62 min Scan# 260

Delta R.T. 0.02 min

Lab File: VL038735.D

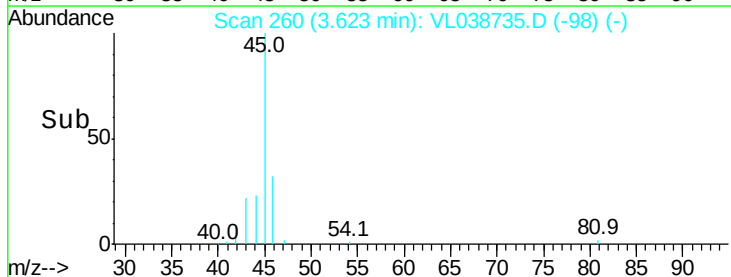
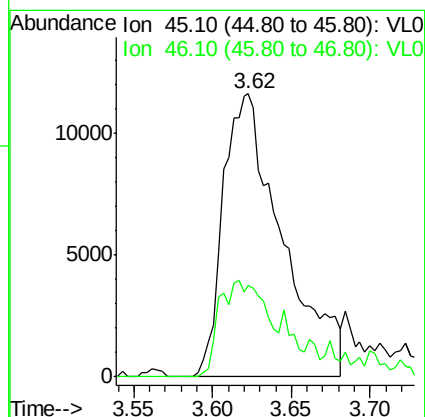
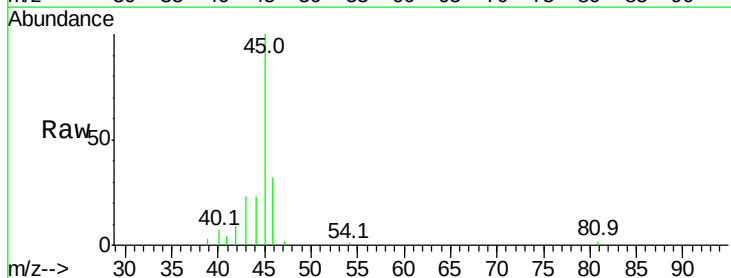
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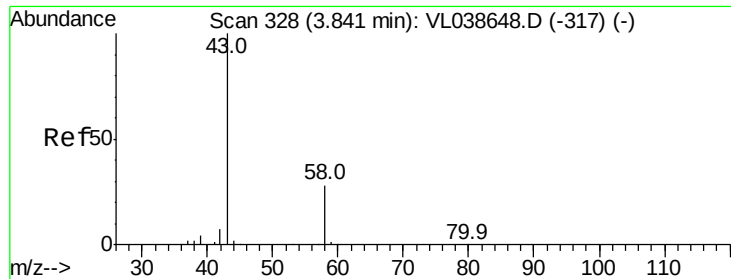
Tgt Ion: 45 Resp: 30478

Ion Ratio Lower Upper

45 100

46 44.6 15.1 60.5



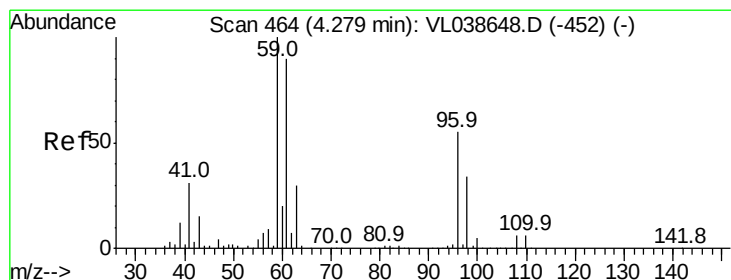
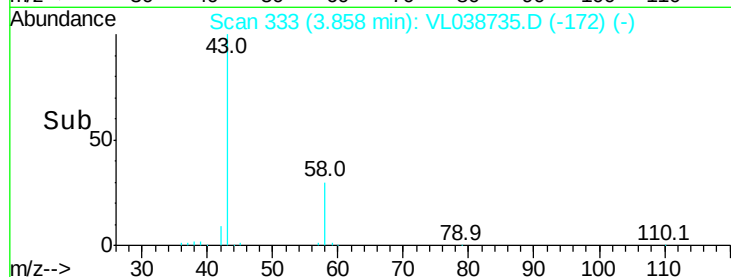
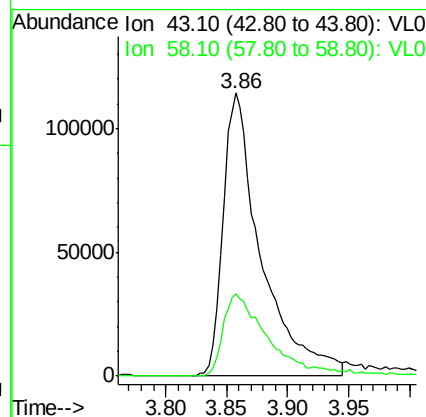
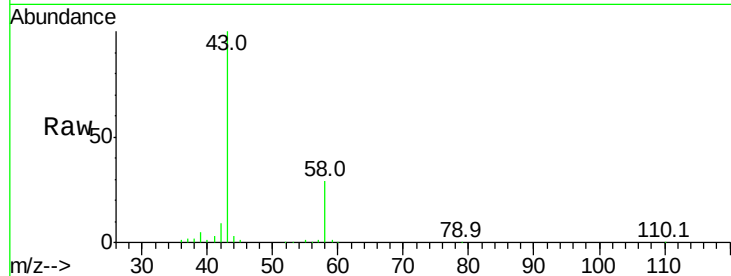


#15
Acetone
Concen: 3.53 ppbv
RT: 3.86
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 24 Mar 2022 3:48

Tgt Ion:
Ion Ratio
43 100
58 36.

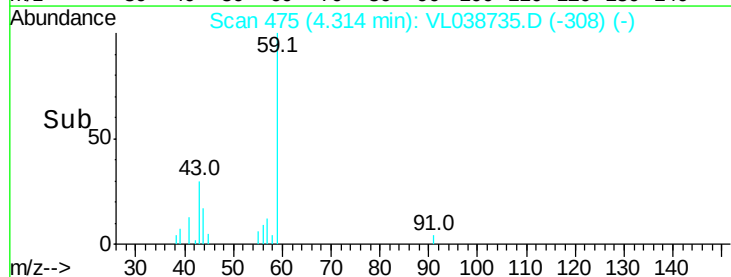
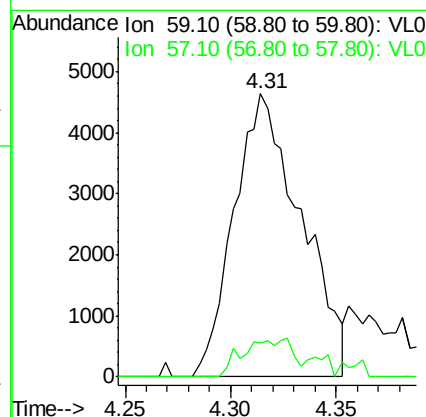
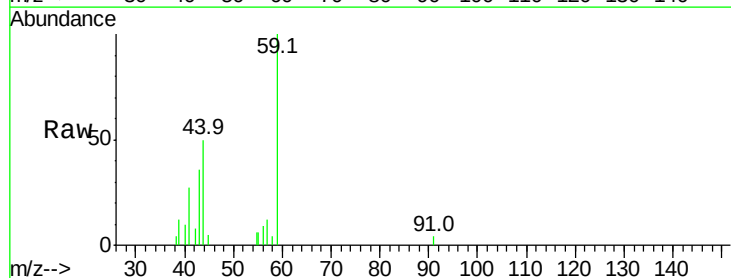
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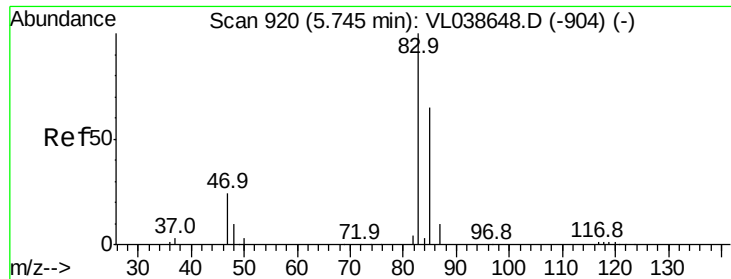
Reviewed By :Semsettin Yesilyurt 03/24/2022
Supervised By :Mahesh Dadoda 03/28/2022



#17
tert-Butyl alcohol
Concen: 0.17 ppbv
RT: 4.31 min Scan# 475
Delta R.T. 0.04 min
Lab File: VL038735.D
Acq: 24 Mar 2022 3:48

Tgt Ion: 59 Resp: 10257
Ion Ratio Lower Upper
59 100
57 13.9 8.2 12.2#



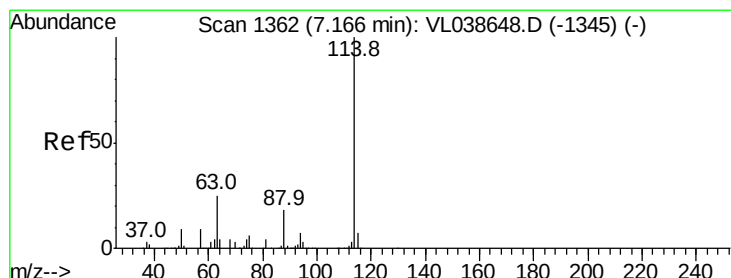
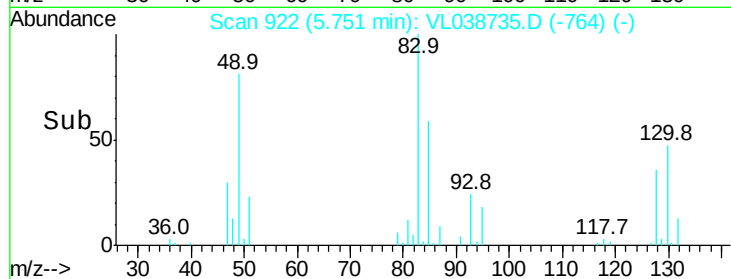
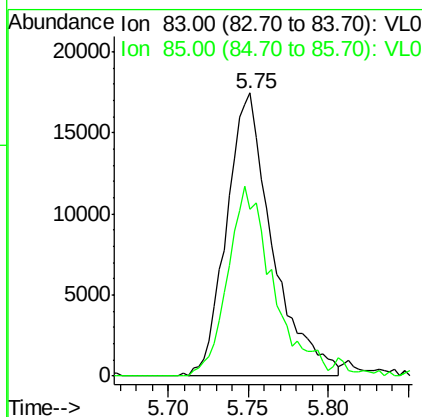
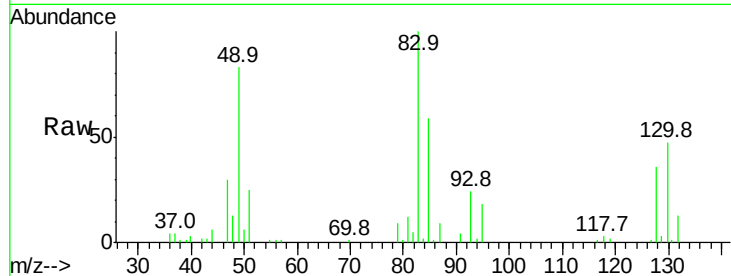


#29
Chloroform
Concen: 0.27 ppbv
RT: 5.75
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
Acq: 24 Mar 2022 3:48

Tgt Ion:
Ion Ratio
83 100
85 57.

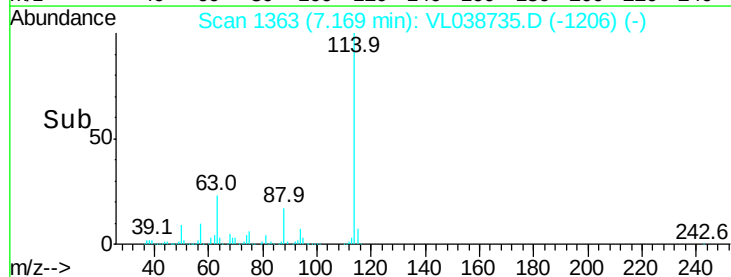
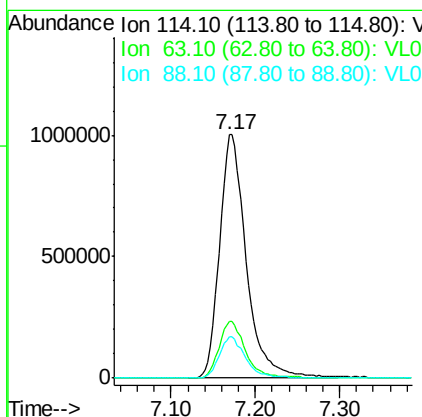
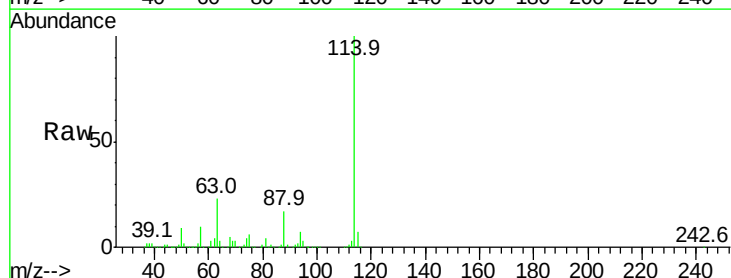
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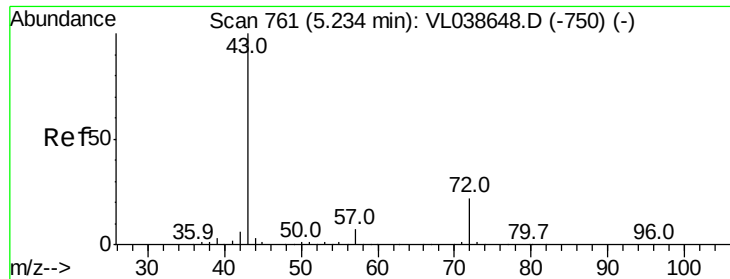
Reviewed By :Semsettin Yesilyurt 03/24/2022
Supervised By :Mahesh Dadoda 03/28/2022



#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VL038735.D
Acq: 24 Mar 2022 3:48

Tgt Ion:114 Resp: 2212732
Ion Ratio Lower Upper
114 100
63 23.3 19.4 29.0
88 17.0 13.9 20.9



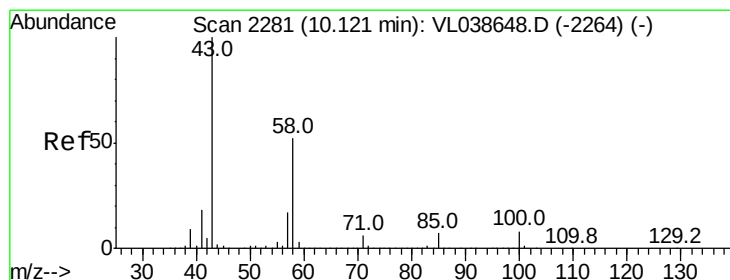
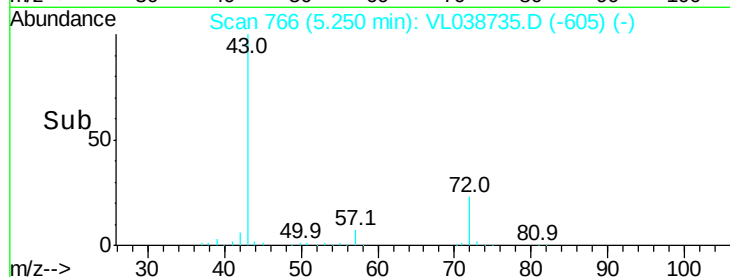
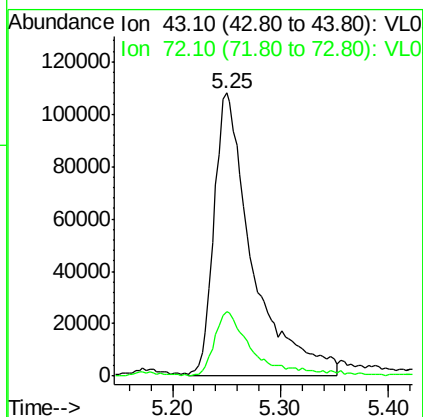
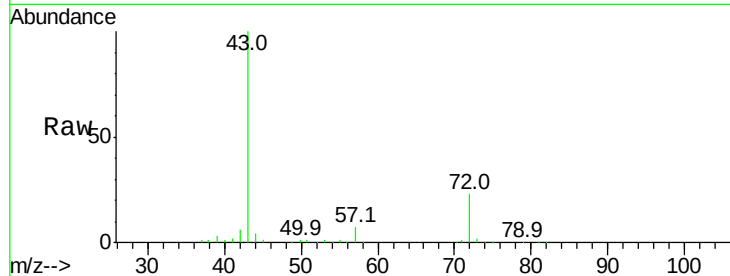


#34
2-Butanone
Concen: 3.07 ppbv m
RT: 5.25
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 24 Mar 2022 3:48

Tgt Ion:
Ion Ratio
43 100
72 23.

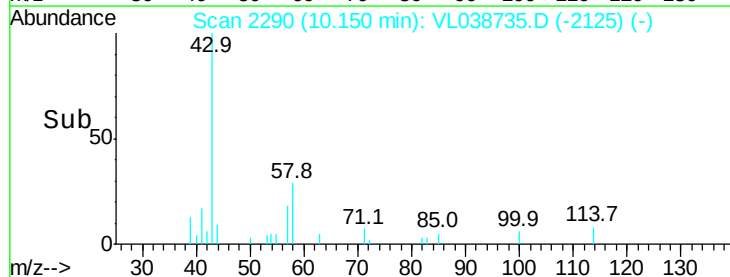
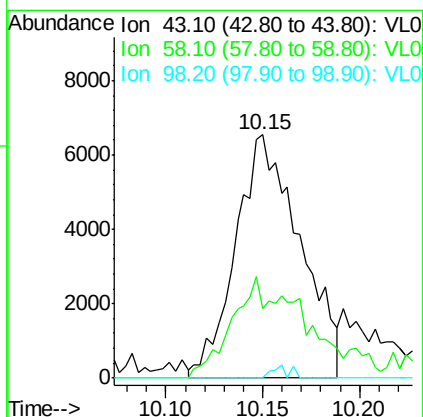
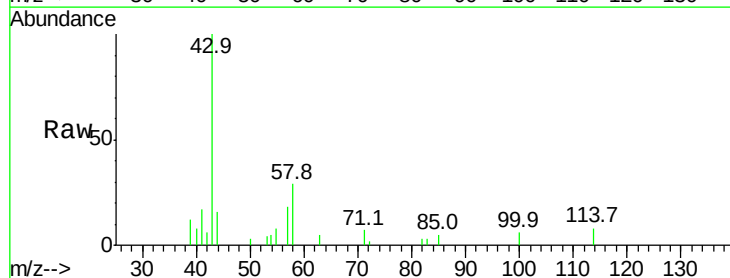
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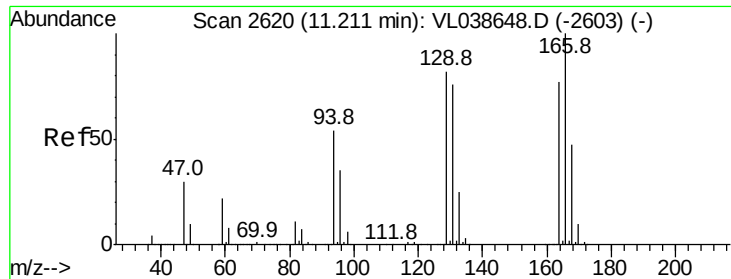
Reviewed By :Semsettin Yesilyurt 03/24/2022
Supervised By :Mahesh Dadoda 03/28/2022



#51
2-Hexanone
Concen: 0.13 ppbv m
RT: 10.15 min Scan# 2290
Delta R.T. 0.03 min
Lab File: VL038735.D
Acq: 24 Mar 2022 3:48

Tgt Ion: 43 Resp: 15189
Ion Ratio Lower Upper
43 100
58 54.9 41.2 61.8
98 1.4 0.2 0.4#





#52

Tetrachloroethene

Concen: 2.86 ppbv

RT: 11.22

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 24 Mar 2022 3:48

Tgt Ion:1

Ion Rati

164 100

166 124.

129 99.

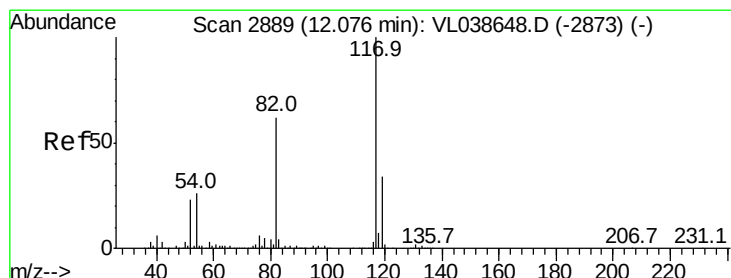
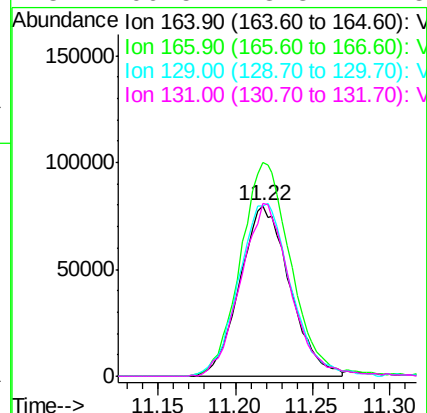
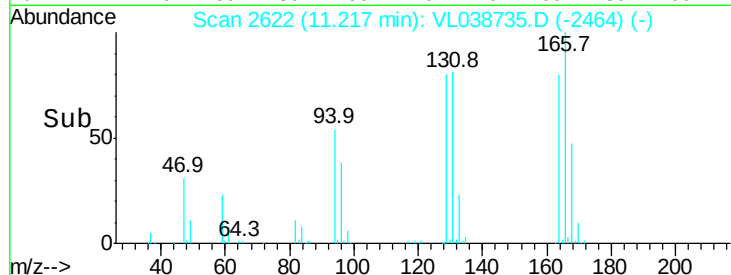
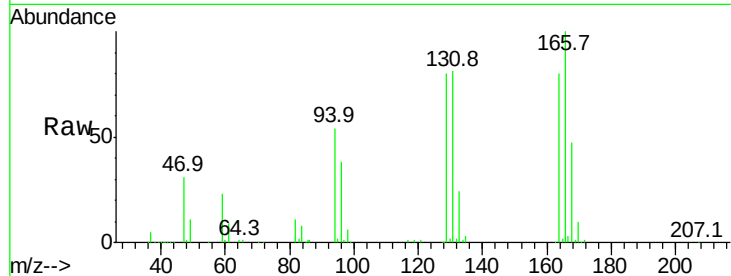
131 100.5 78.3 117.5

Manual Integrations

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Supervised By :Mahesh Dadoda 03/28/2022



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.08 min Scan# 2891

Delta R.T. 0.01 min

Lab File: VL038735.D

Acq: 24 Mar 2022 3:48

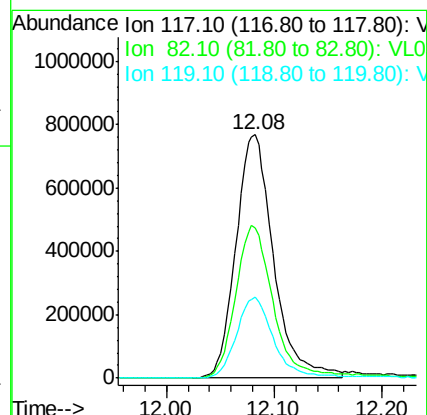
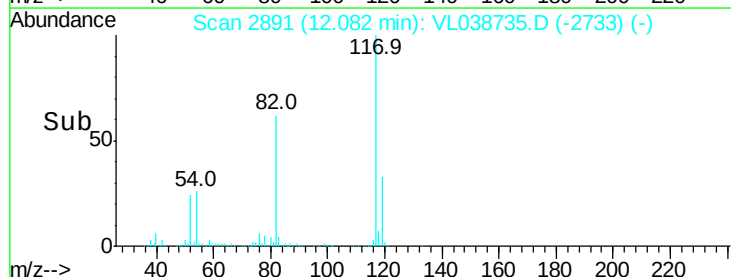
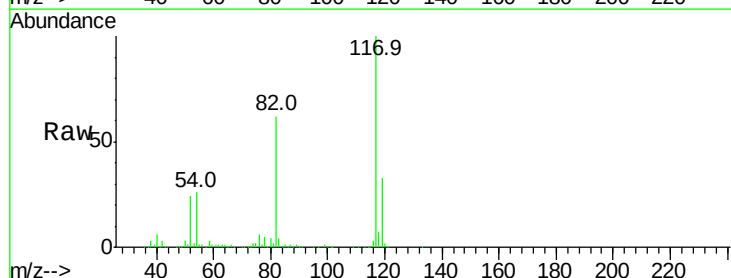
Tgt Ion:117 Resp: 1872754

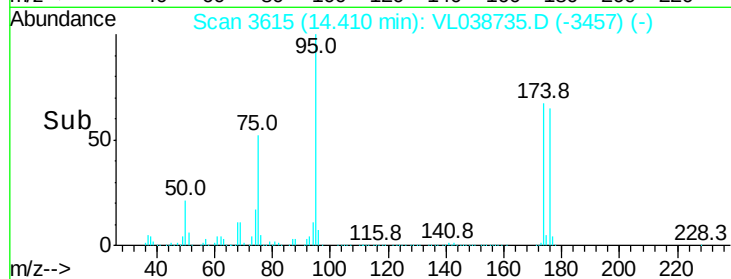
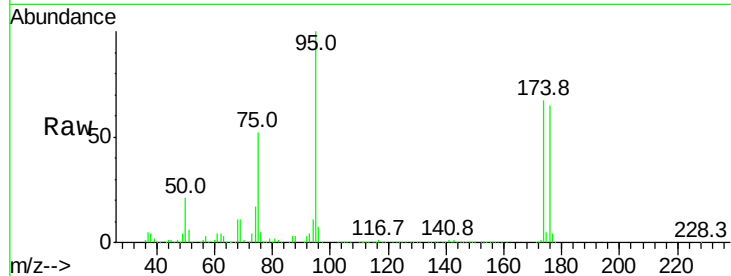
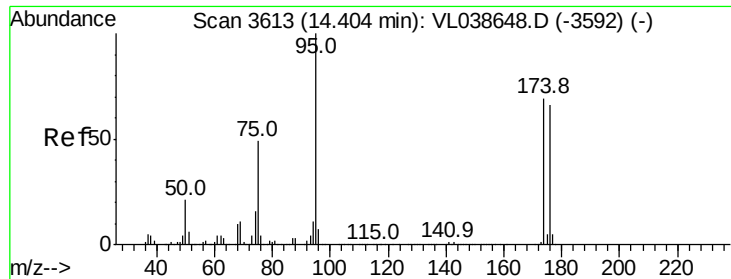
Ion Ratio Lower Upper

117 100

82 65.5 51.6 77.4

119 33.9 26.9 40.3





#68

1-Bromo-4-Fluorobenzene

Concen: 9.47 ppbv

RT: 14.41

Delta R.T

Lab File: ClientSampleId :

Acq: 24 Mar 2022 3.48

Tgt Ion:

Ion Ratio

95 100

174 71.

175 5.

Manual Integrations

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