

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111621\
 Data File : VL038042.D
 Acq On : 16 Nov 2021 16:39
 Operator : SY/AP
 Sample : M4526-01DUPDL 2.5X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 E058-1100DL

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/17/2021
 Supervised By : Mahesh Dadoda 11/17/2021

Quant Time: Nov 17 09:24:41 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111621A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Tue Nov 16 09:59:16 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	864228	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.16	114	2584357	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.07	117	2294310	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1739366	10.49	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.26	62	596252	7.770	ppbv	95
10) Heptane	8.11	43	1760587	8.442	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	836674	6.214	ppbv	98
24) 1,1-Dichloroethane	5.00	63	1070650	8.156	ppbv	99
26) Hexane	5.68	57	1622076	13.508	ppbv #	45
30) Cyclohexane	7.12	84	1085383	8.026	ppbv	99
36) Benzene	6.88	78	1957894	7.964	ppbv	98
48) Dibromochloromethane	10.29	129	1179685	7.517	ppbv	100
53) Toluene	9.79	91	2194023	7.632	ppbv	98
54) 1,2-Dibromoethane	10.59	107	1926668	14.247	ppbv	100

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

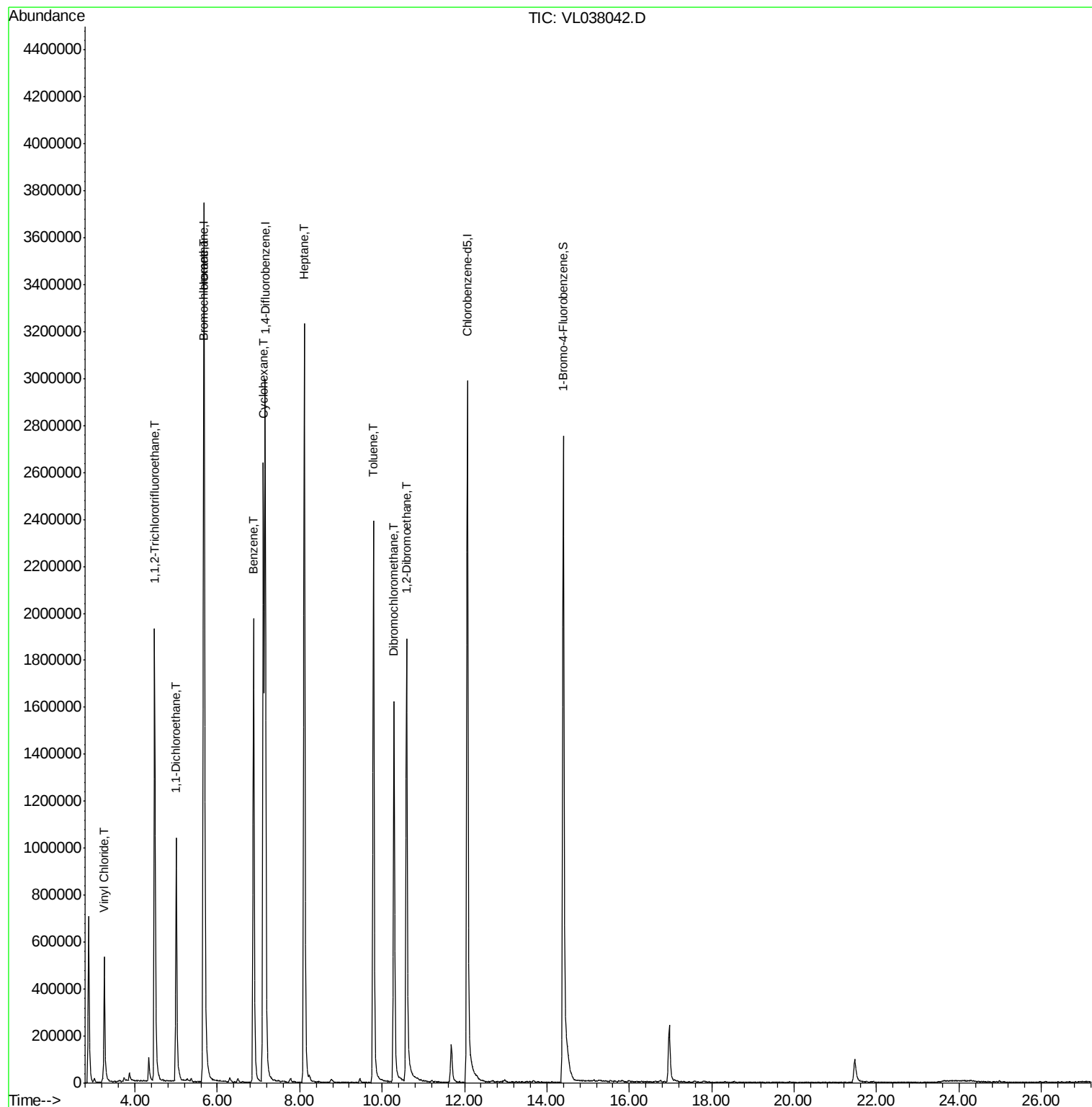
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111621\
Data File : VL038042.D
Acq On : 16 Nov 2021 16:39
Operator : SY/AP
Sample : M4526-01DUPDL 2.5X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

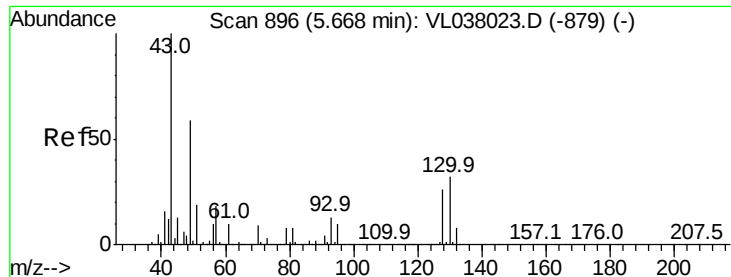
Instrument :
MSVOA_L
ClientSampleId :
E058-1100DL

Quant Time: Nov 17 09:24:41 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111621.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Tue Nov 16 09:59:16 2021
Response via : Initial Calibration

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Supervised By :Mahesh Dadoda 11/17/2021





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T.:

Lab File: ClientSampleId:

Acq: 16 Nov 2021 16:39

Tot Ion:

Ion Ratio

49 100

128 50.

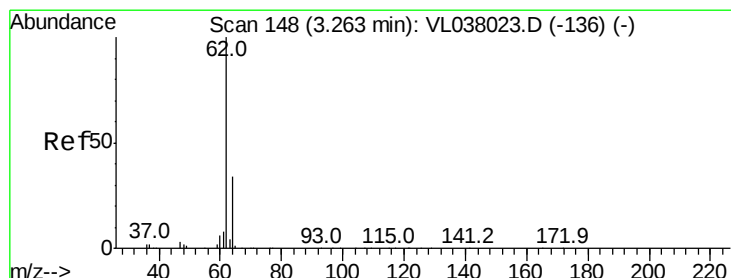
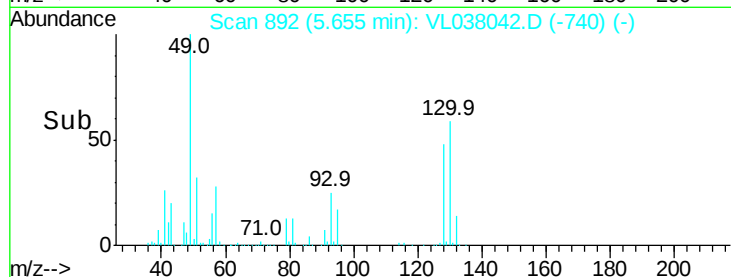
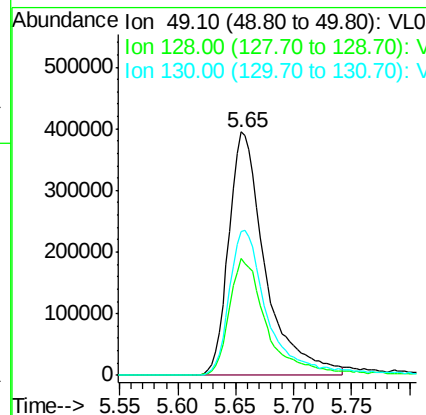
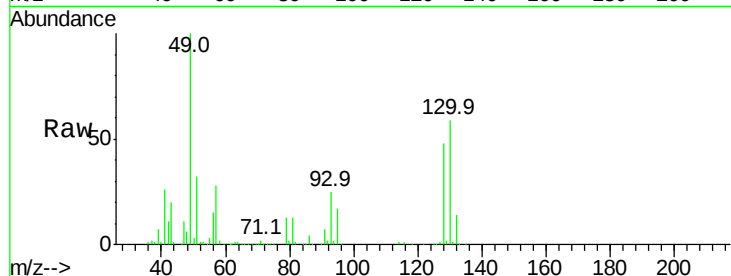
130 63.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/17/2021

Supervised By :Mahesh Dadoda 11/17/2021



#5

Vinyl Chloride

Concen: 7.770 ppbv

RT: 3.26 min Scan# 146

Delta R.T. -0.01 min

Lab File: VL038042.D

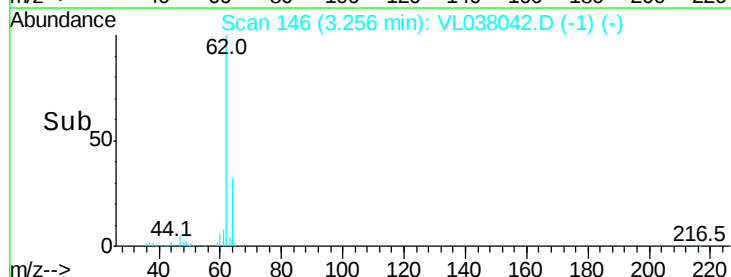
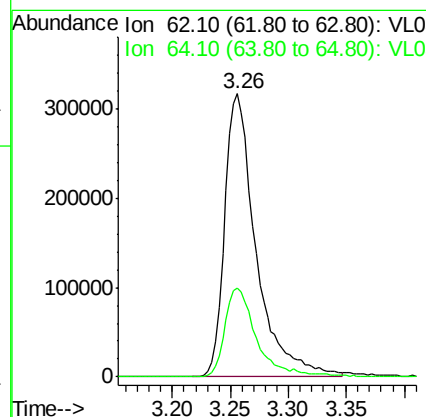
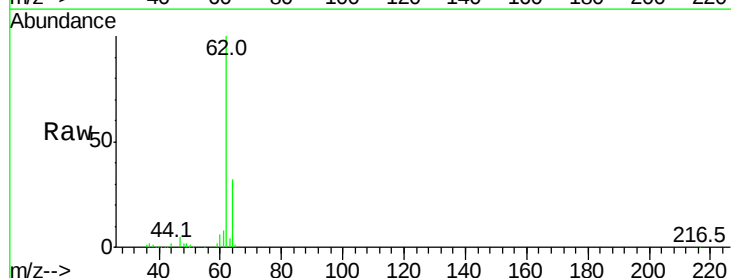
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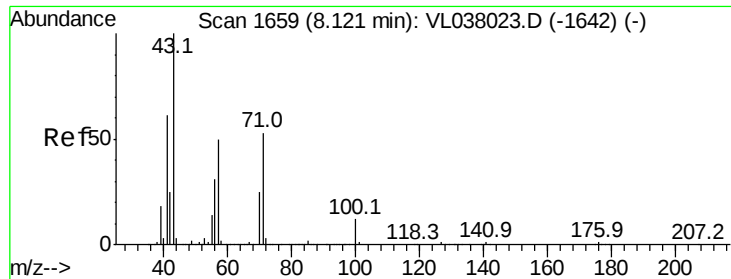
Tgt Ion: 62 Resp: 596252

Ion Ratio Lower Upper

62 100

64 31.6 27.4 41.0



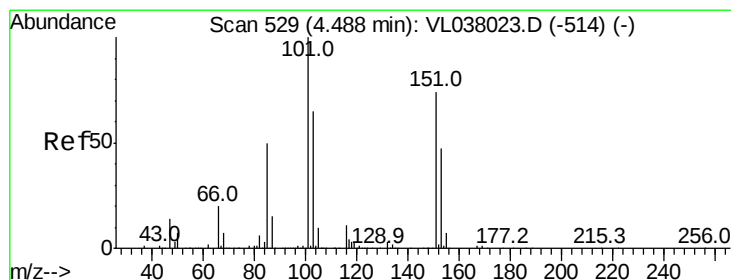
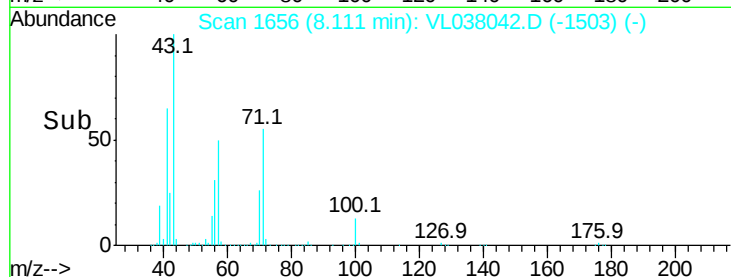
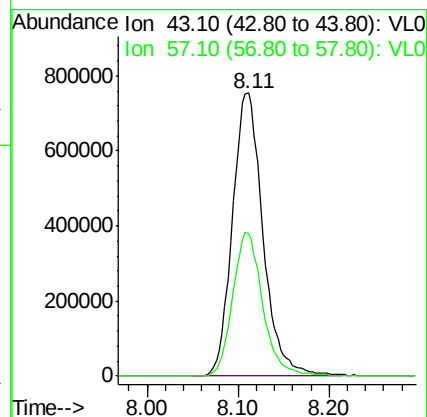
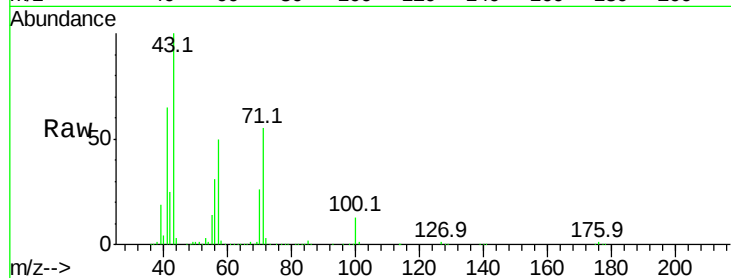


#10
 Heptane
 Concen: 8.442 ppbv
 RT: 8.11
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 E058-1100DL
 Acq: 16 Nov 2021 16:39

Tot Ion:
 Ion Ratio
 43 100
 57 50.

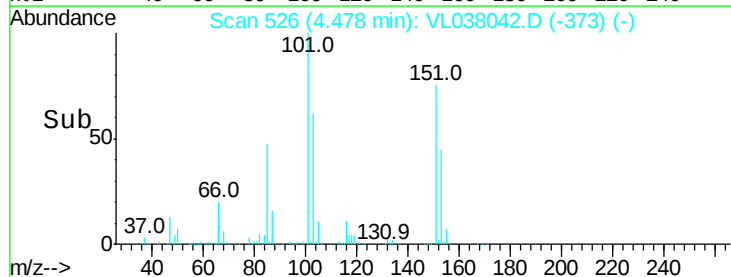
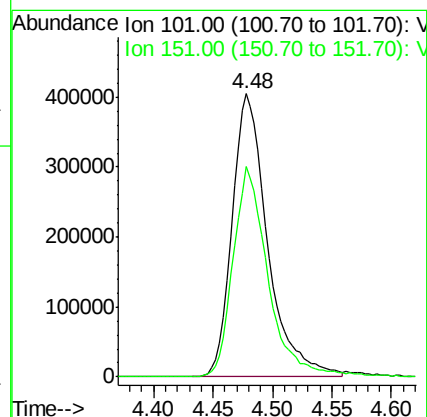
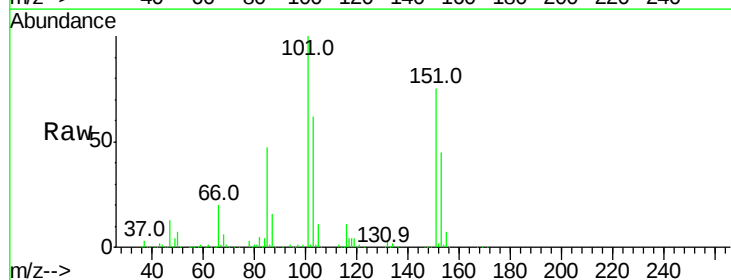
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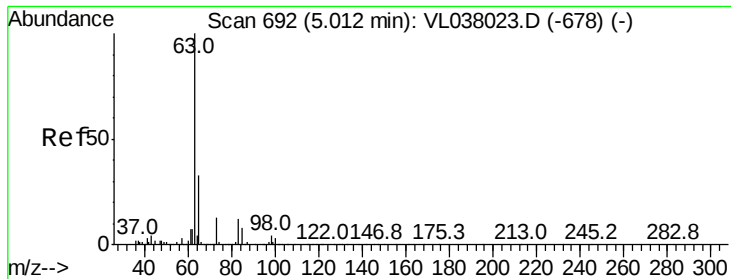
Reviewed By :Semsettin Yesilyurt 11/17/2021
 Supervised By :Mahesh Dadoda 11/17/2021



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 6.214 ppbv
 RT: 4.48 min Scan# 526
 Delta R.T. -0.01 min
 Lab File: VL038042.D
 Acq: 16 Nov 2021 16:39

Tgt Ion:101 Resp: 836674
 Ion Ratio Lower Upper
 101 100
 151 73.7 57.8 86.8





#24

1,1-Dichloroethane

Concen: 8.156 ppbv

RT: 5.00

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Nov 2021 16:39

Tot Ion:

Ion Ratio

63 100

98 4.

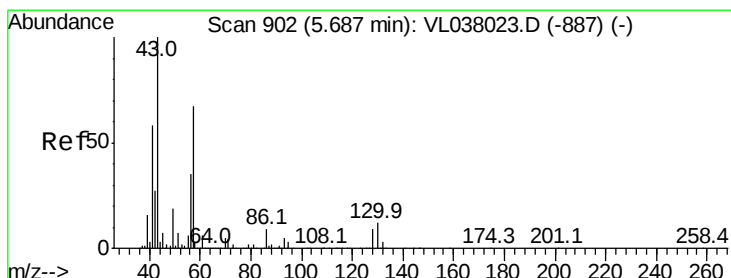
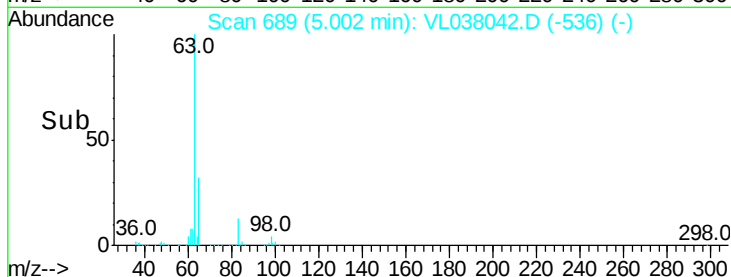
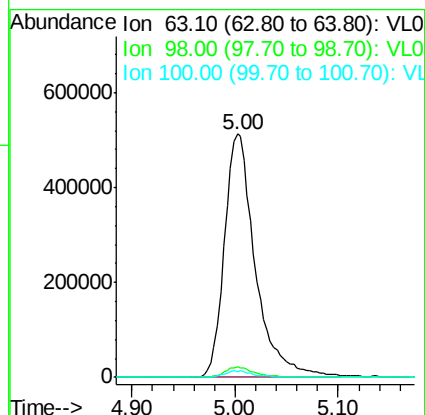
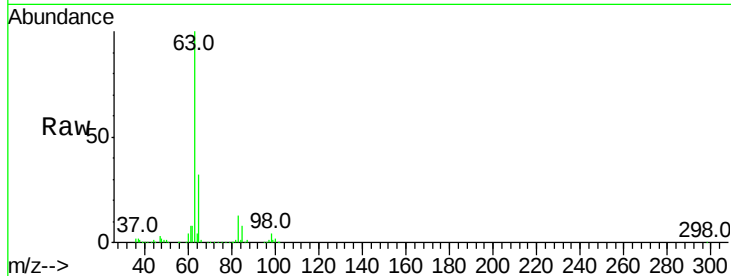
100 2.

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Reviewed By :Semsettin Yesilyurt 11/17/2021

Supervised By :Mahesh Dadoda 11/17/2021



#26

Hexane

Concen: 13.508 ppbv

RT: 5.68 min Scan# 899

Delta R.T. -0.01 min

Lab File: VL038042.D

Acq: 16 Nov 2021 16:39

Tgt Ion: 57 Resp: 1622076

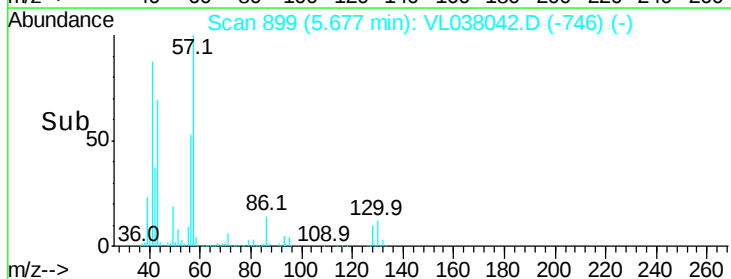
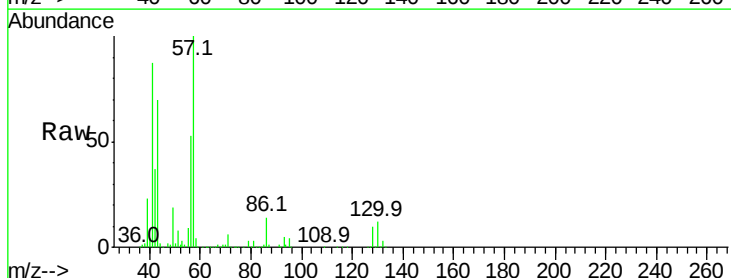
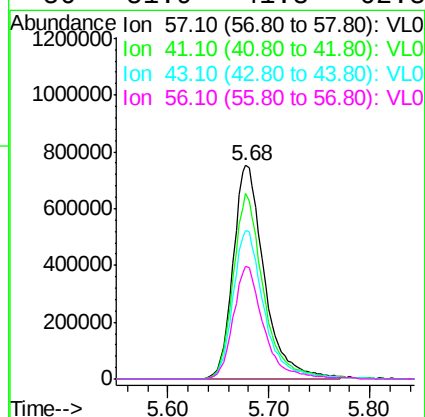
Ion Ratio Lower Upper

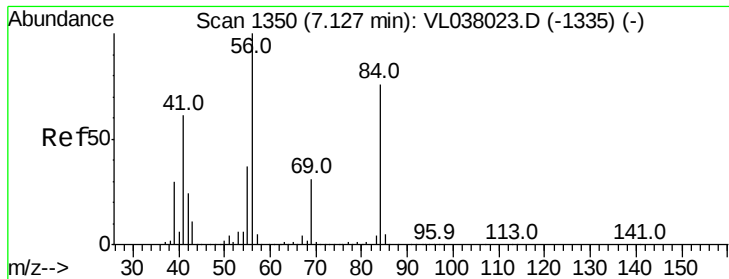
57 100

41 84.5 70.8 106.2

43 69.7 169.4 254.0#

56 51.9 41.8 62.8



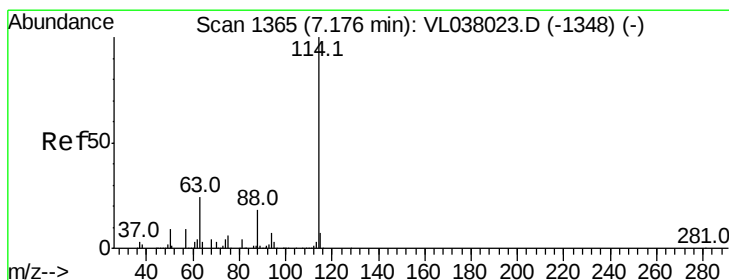
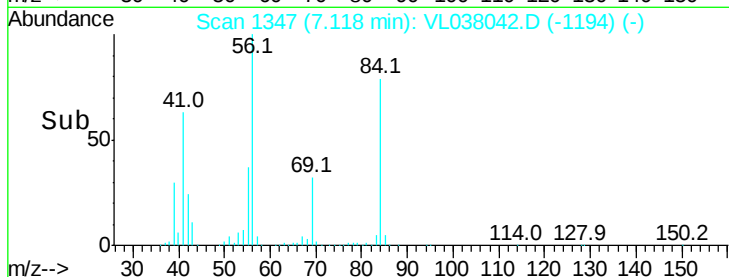
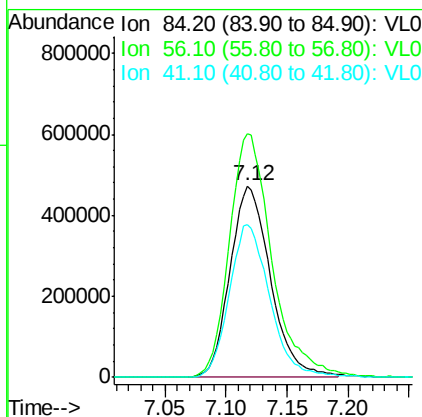
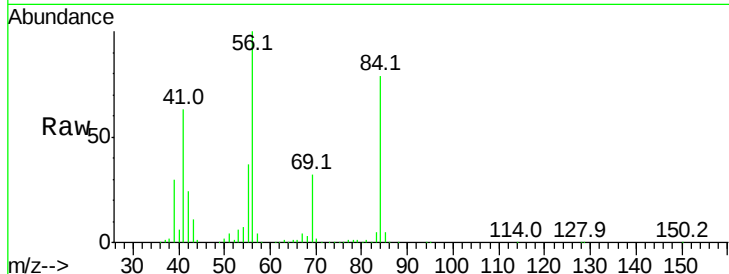


#30
Cvclohexane
Concen: 8.026 ppbv
RT: 7.12
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
E058-1100DL
Acq: 16 Nov 2021 16:39

Tot Ion:
Ion Ratio
84 100
56 135.
41 80.

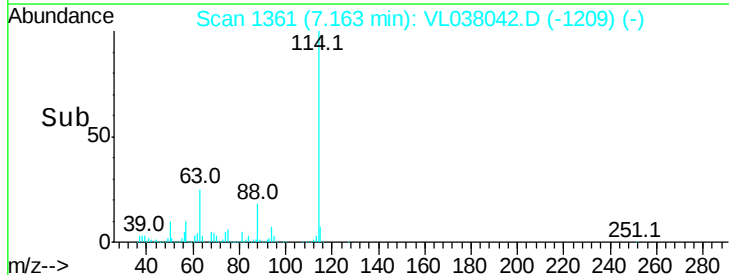
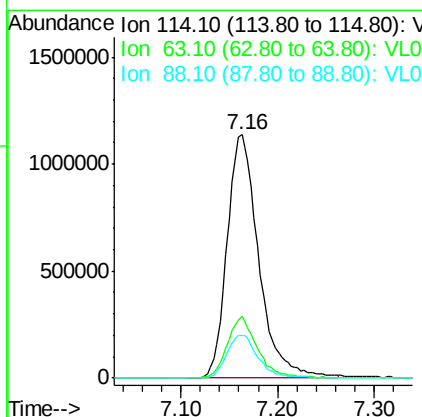
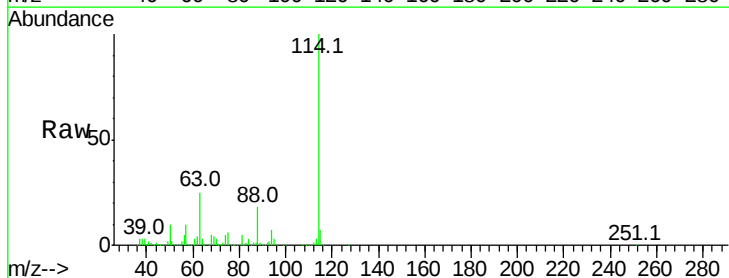
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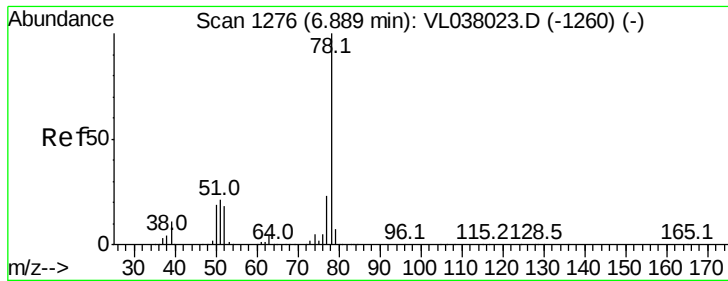
Reviewed By :Semsettin Yesilyurt 11/17/2021
Supervised By :Mahesh Dadoda 11/17/2021



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1361
Delta R.T. -0.01 min
Lab File: VL038042.D
Acq: 16 Nov 2021 16:39

Tgt Ion:114 Resp: 2584357
Ion Ratio Lower Upper
114 100
63 24.5 19.8 29.6
88 17.9 14.6 21.8



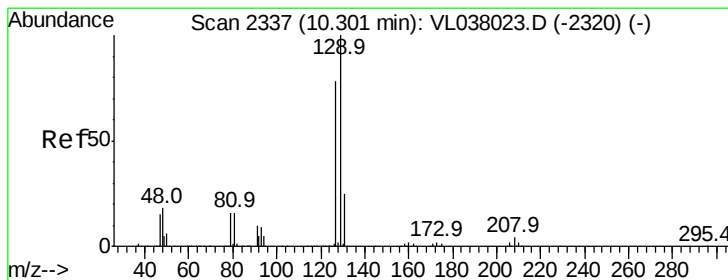
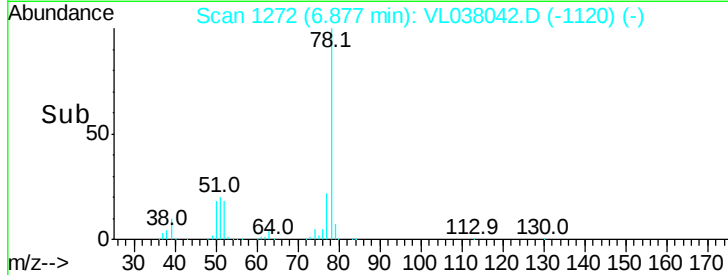
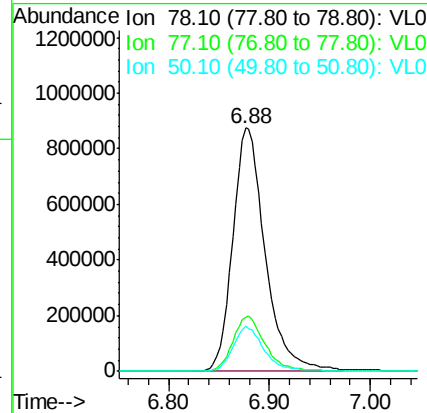
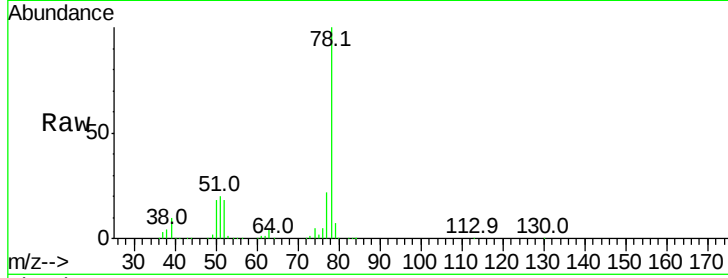


#36
Benzene
Concen: 7.964 ppbv
RT: 6.88
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 16 Nov 2021 16:39

Tot Ion:
Ion Ratio
78 100
77 22.
50 18.

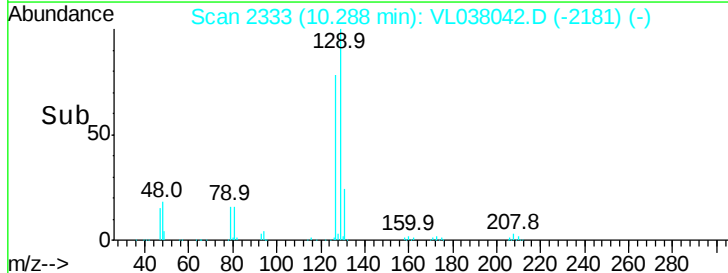
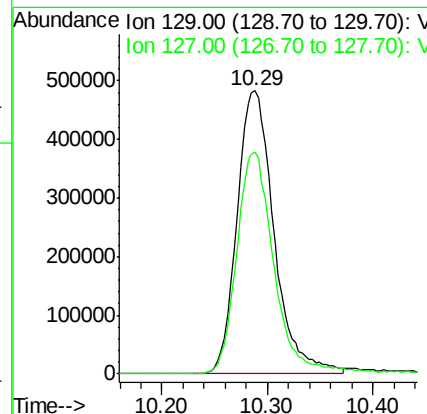
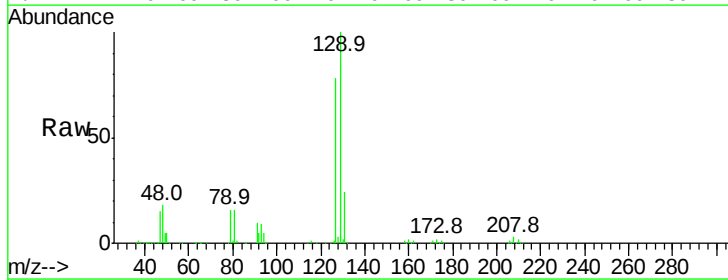
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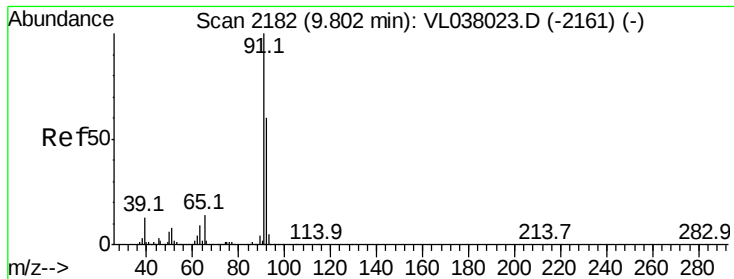
Reviewed By :Semsettin Yesilyurt 11/17/2021
Supervised By :Mahesh Dadoda 11/17/2021



#48
Dibromochloromethane
Concen: 7.517 ppbv
RT: 10.29 min Scan# 2333
Delta R.T. -0.01 min
Lab File: VL038042.D
Acq: 16 Nov 2021 16:39

Tgt Ion:129 Resp: 1179685
Ion Ratio Lower Upper
129 100
127 79.8 40.1 120.3





#53

Toluene

Concen: 7.632 ppbv

RT: 9.79 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: E058-1100DL

Acq: 16 Nov 2021 16:39

Tot Ion:

Ion Ratio

91 100

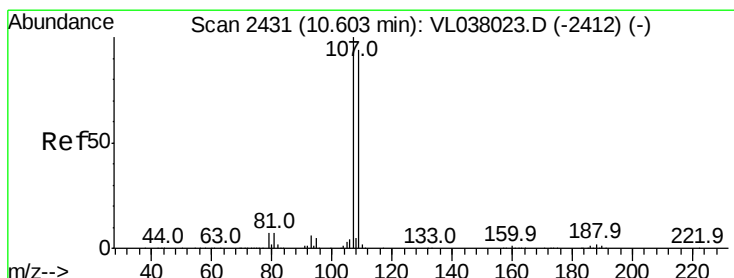
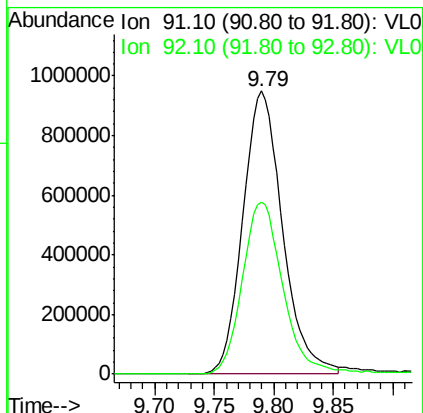
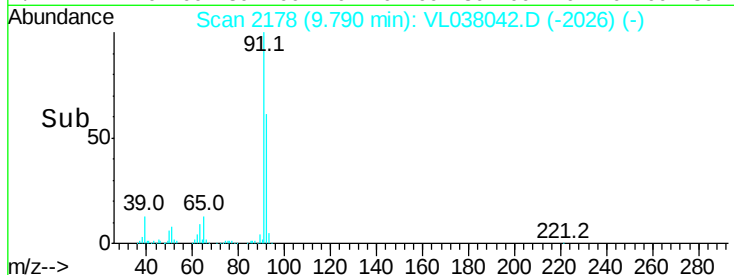
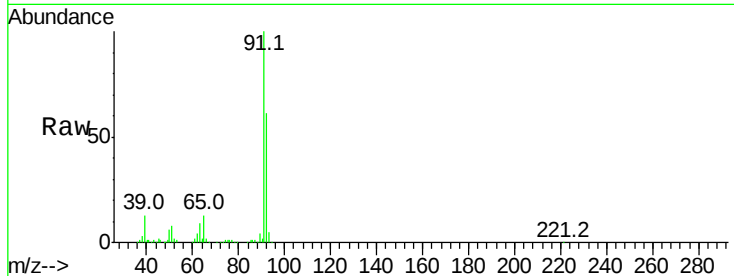
92 63.

Manual Integrations

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Supervised By :Mahesh Dadoda 11/17/2021



#54

1,2-Dibromoethane

Concen: 14.247 ppbv

RT: 10.59 min Scan# 2428

Delta R.T. -0.01 min

Lab File: VL038042.D

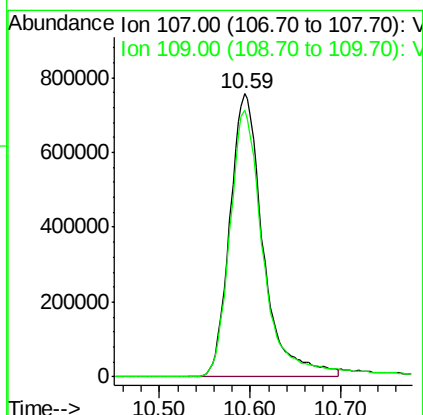
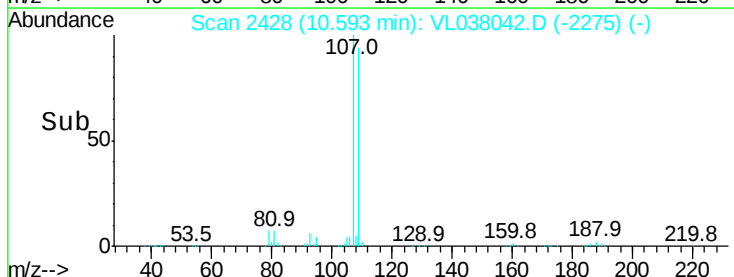
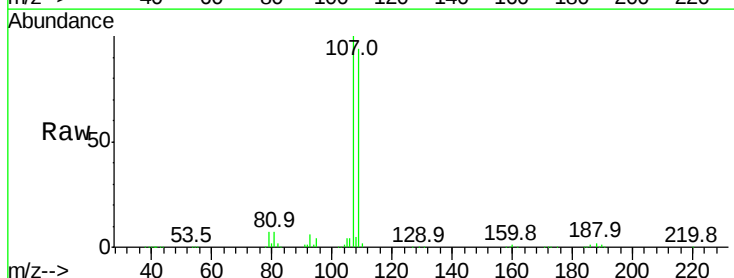
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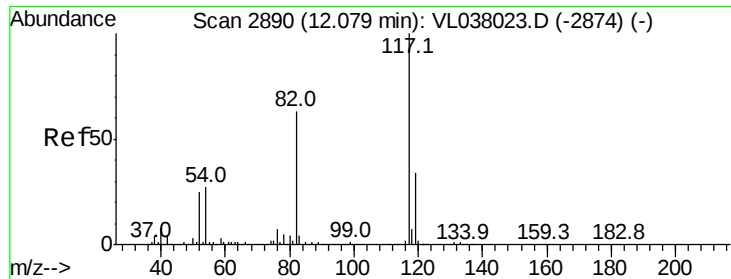
Tgt Ion:107 Resp: 1926668

Ion Ratio Lower Upper

107 100

109 94.1 75.0 112.6





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Nov 2021 16:39

Tot Ion:1

Ion Ratio

117 100

82 66.

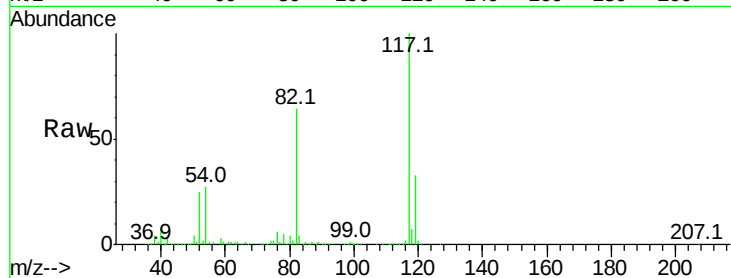
119 33.

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Reviewed By :Semsettin Yesilyurt 11/17/2021

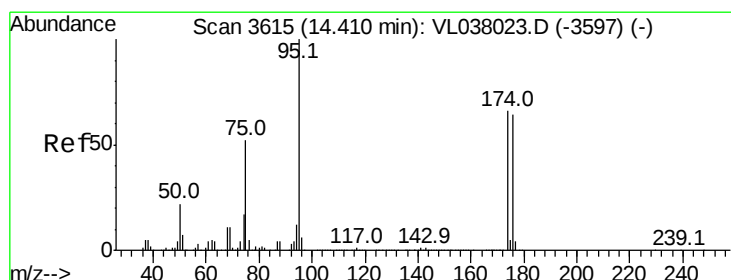
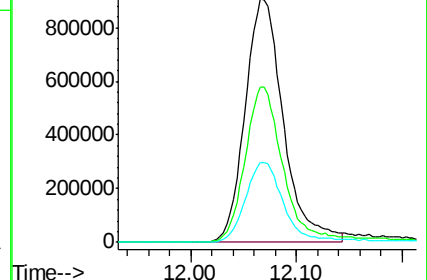
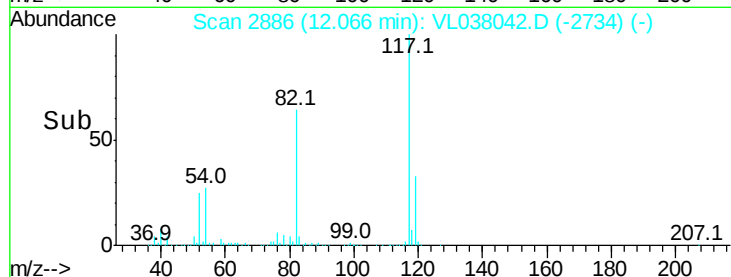
Supervised By :Mahesh Dadoda 11/17/2021



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.493 ppbv

RT: 14.40 min Scan# 3611

Delta R.T. -0.01 min

Lab File: VL038042.D

Acq: 16 Nov 2021 16:39

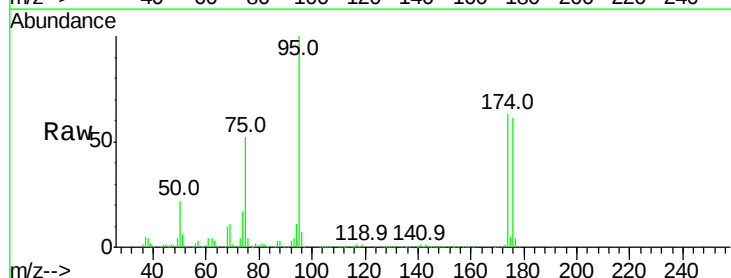
Tgt Ion: 95 Resp: 1739366

Ion Ratio Lower Upper

95 100

174 66.1 55.0 82.6

175 5.0 4.2 6.2



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

