

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111621\
 Data File : VL038037.D
 Acq On : 16 Nov 2021 13:10
 Operator : SY/AP
 Sample : M4526-01DL 2X
 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 09:15:30 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	5.66	49	876640	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2652418	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2353438	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1713861	10.08	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.26	62	756654	9.721	ppbv	95
10) Heptane	8.11	43	2163285	10.226	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1042436	7.632	ppbv	98
24) 1,1-Dichloroethane	5.00	63	1338157	10.050	ppbv	99
26) Hexane	5.68	57	2011997	16.518	ppbv #	44
30) Cyclohexane	7.12	84	1364534	9.948	ppbv	97
36) Benzene	6.88	78	2431884	9.638	ppbv	99
48) Dibromochloromethane	10.29	129	1495790	9.287	ppbv	100
53) Toluene	9.79	91	2767245	9.379	ppbv	100
54) 1,2-Dibromoethane	10.60	107	2346432	16.906	ppbv	98

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

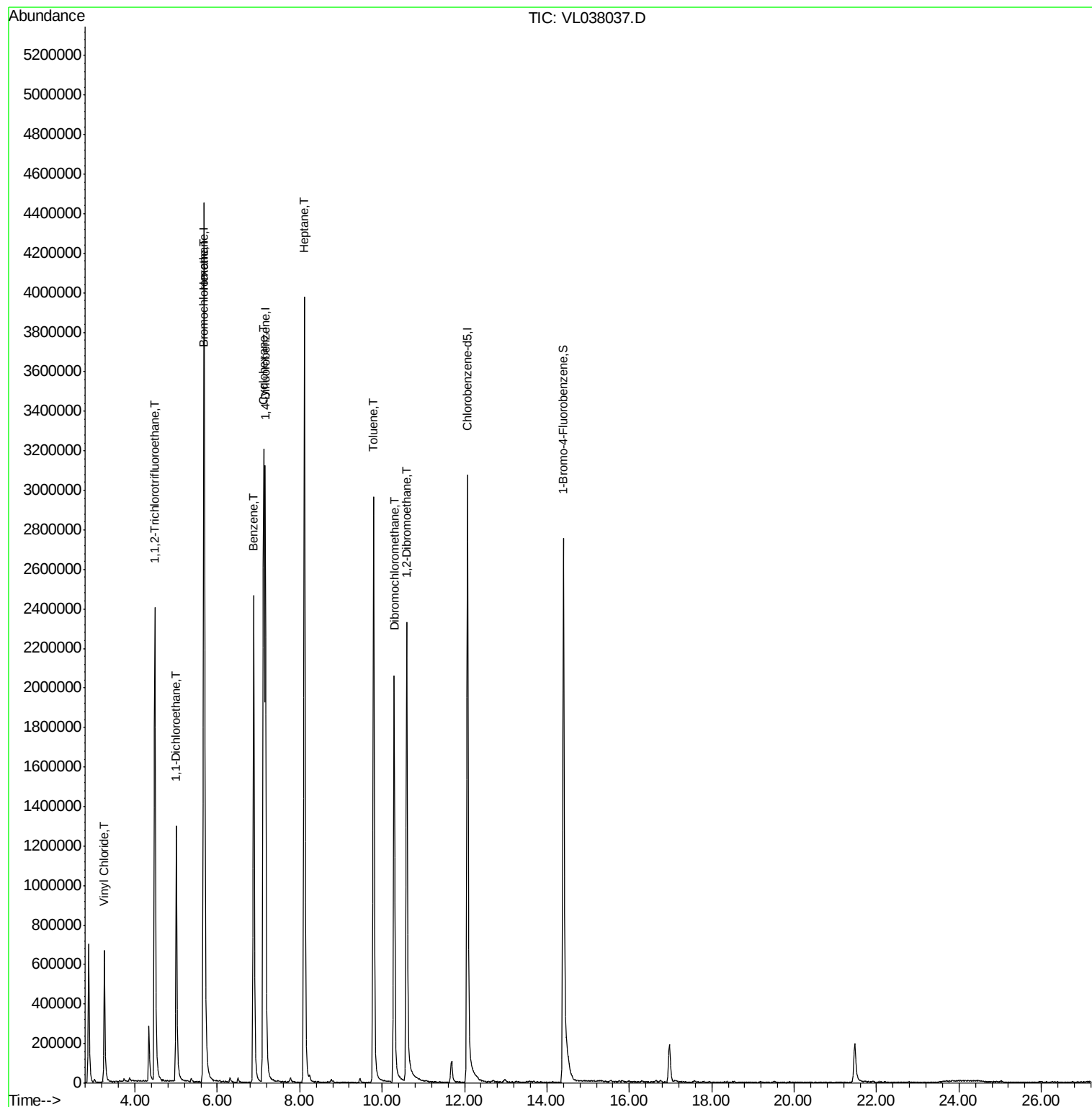
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111621\
Data File : VL038037.D
Acq On : 16 Nov 2021 13:10
Operator : SY/AP
Sample : M4526-01DL 2X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

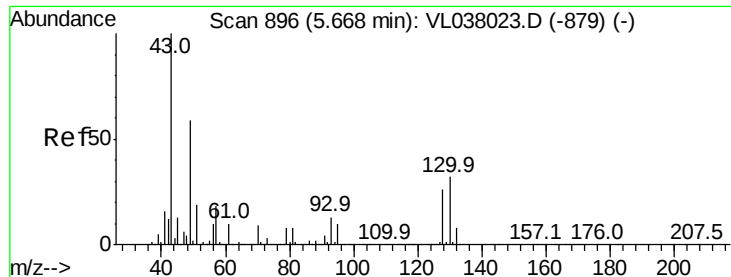
Instrument :
MSVOA_L
ClientSampleId :
E058-1100DL

Manual Integrations
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Quant Time: Nov 17 09:15:30 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111621
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: 5.66 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 16 Nov 2021 13:10

Tot Ion:

Ion Ratio

49 100

128 51.

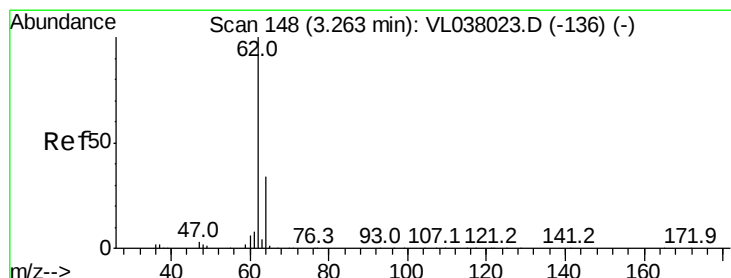
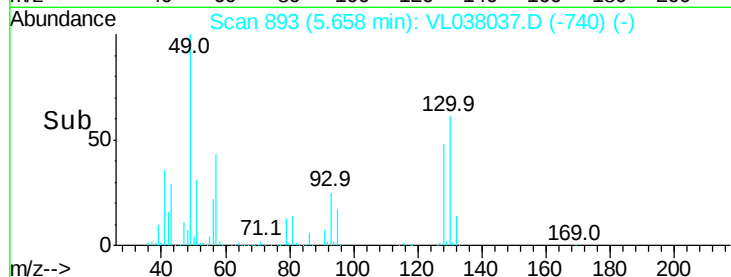
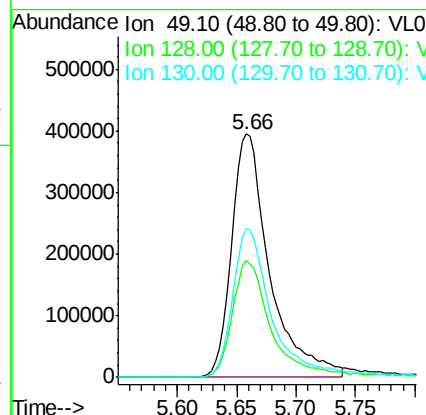
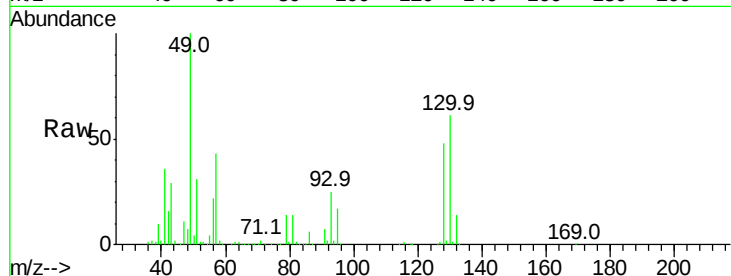
130 64.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/17/2021

Supervised By :Mahesh Dadoda 11/17/2021



#5

Vinyl Chloride

Concen: 9.721 ppbv

RT: 3.26 min Scan# 147

Delta R.T. -0.00 min

Lab File: VL038037.D

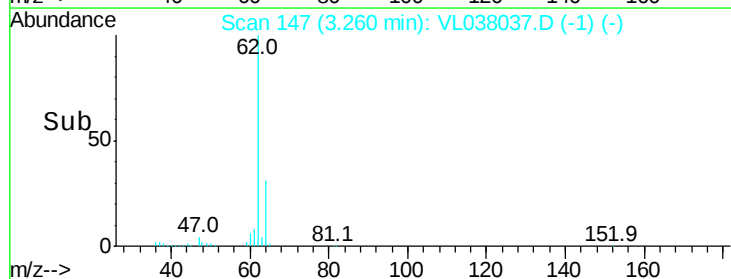
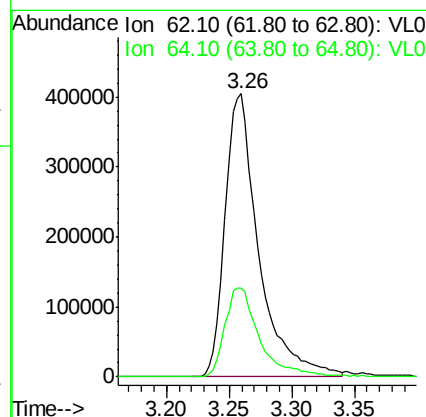
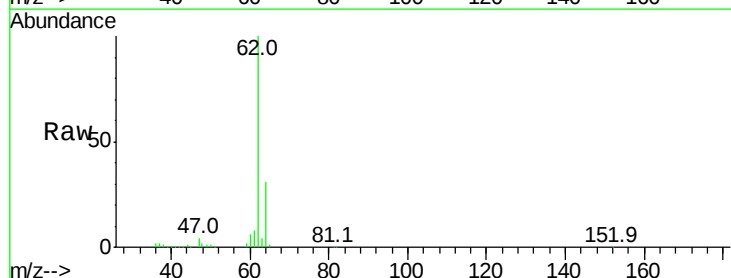
Acq: 16 Nov 2021 13:10

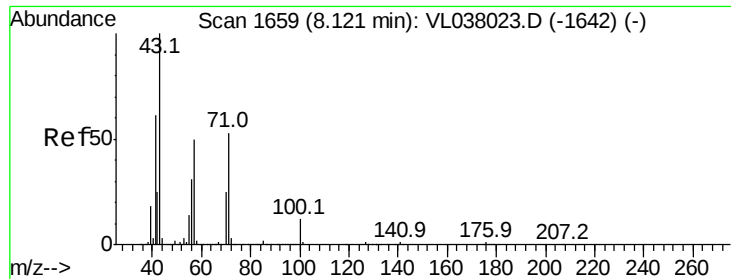
Tgt Ion: 62 Resp: 756654

Ion Ratio Lower Upper

62 100

64 31.3 27.4 41.0



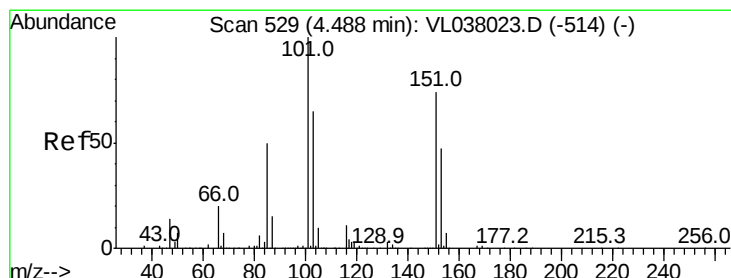
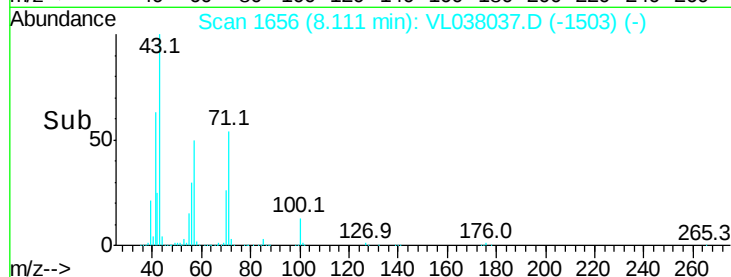
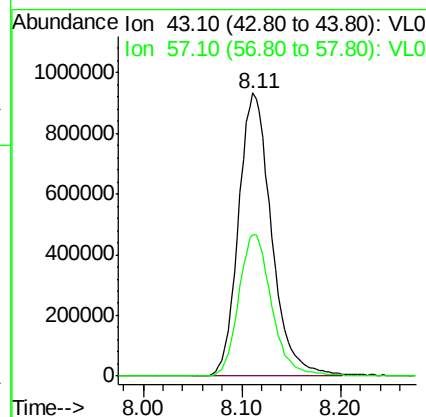
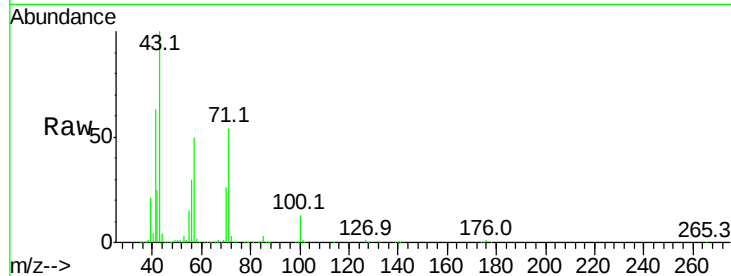


#10
 Heptane
 Concen: 10.226 ppbv
 RT: 8.11
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 E058-1100DL
 Acq: 16 Nov 2021 13:10

Tot Ion:
 Ion Ratio
 43 100
 57 50.

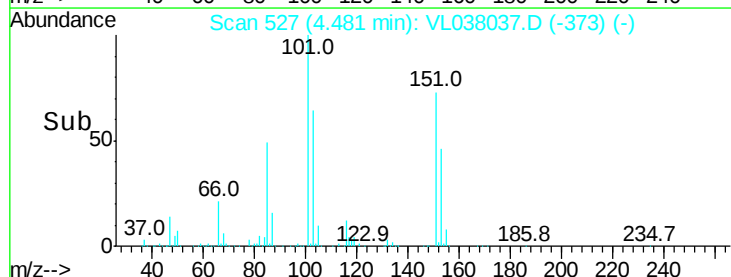
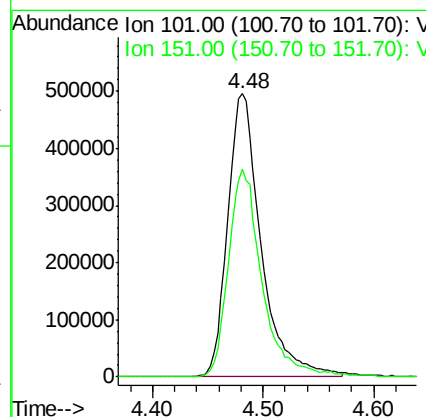
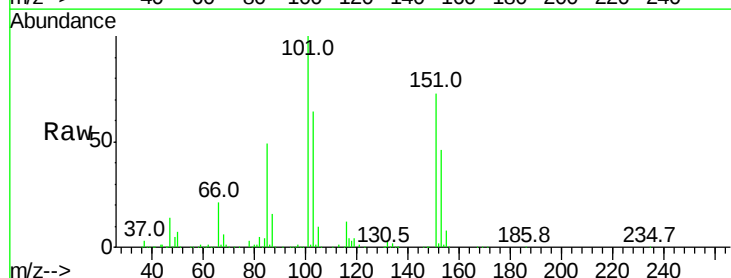
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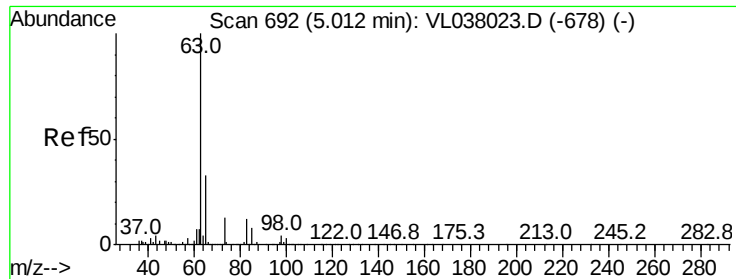
Reviewed By :Semsettin Yesilyurt 11/17/2021
 Supervised By :Mahesh Dadoda 11/17/2021



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 7.632 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. -0.01 min
 Lab File: VL038037.D
 Acq: 16 Nov 2021 13:10

Tgt Ion:101 Resp: 1042436
 Ion Ratio Lower Upper
 101 100
 151 74.3 57.8 86.8





#24

1,1-Dichloroethane

Concen: 10.050 ppbv

RT: 5.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 16 Nov 2021 13:10 E058-1100DL

Tot Ion:

Ion Ratio

63 100

98 4.

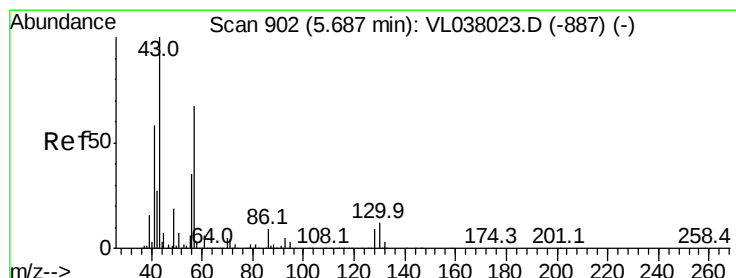
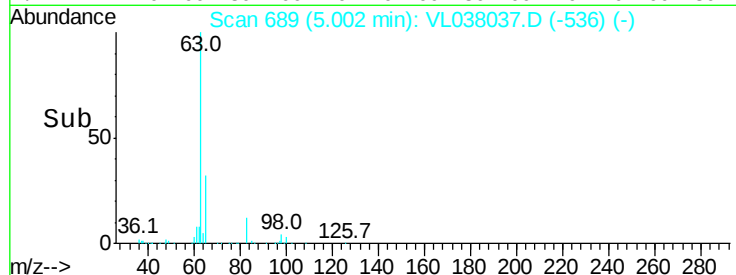
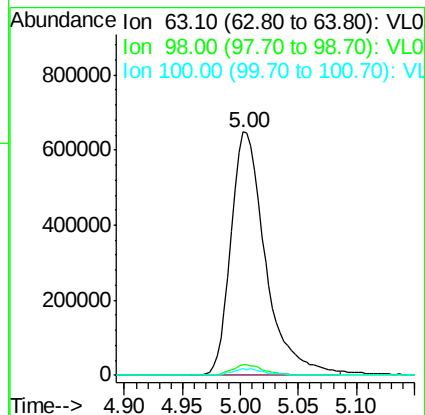
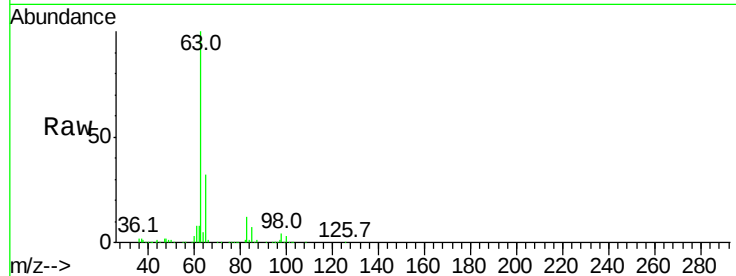
100 2.

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Reviewed By :Semsettin Yesilyurt 11/17/2021

Supervised By :Mahesh Dadoda 11/17/2021



#26

Hexane

Concen: 16.518 ppbv

RT: 5.68 min Scan# 900

Delta R.T. -0.01 min

Lab File: VL038037.D

Acq: 16 Nov 2021 13:10

Tgt Ion: 57 Resp: 2011997

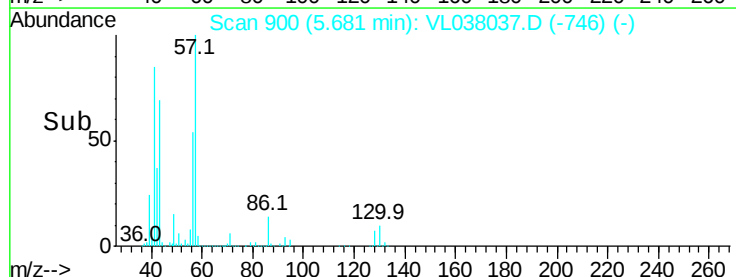
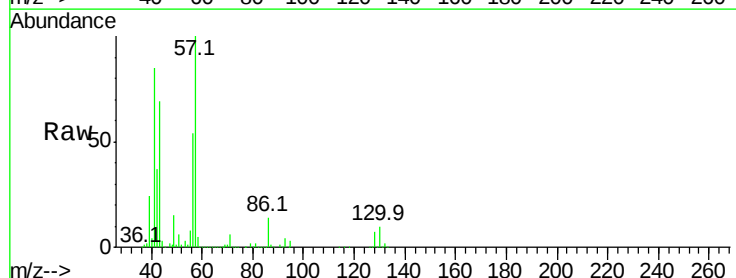
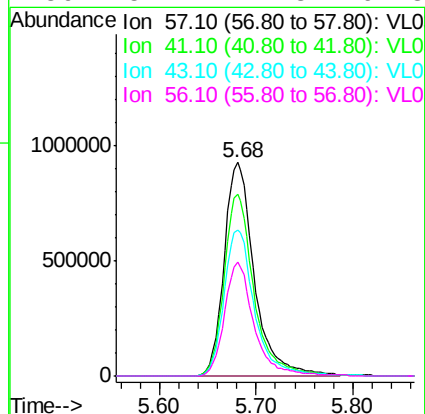
Ion Ratio Lower Upper

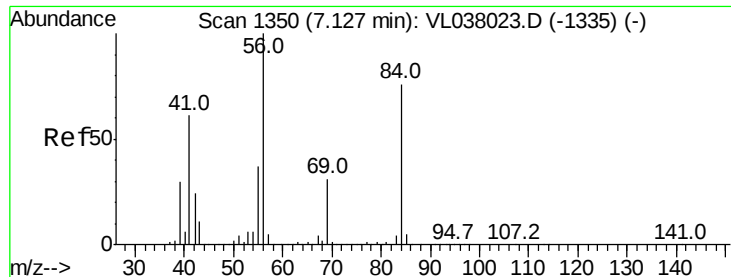
57 100

41 84.2 70.8 106.2

43 69.7 169.4 254.0#

56 52.4 41.8 62.8



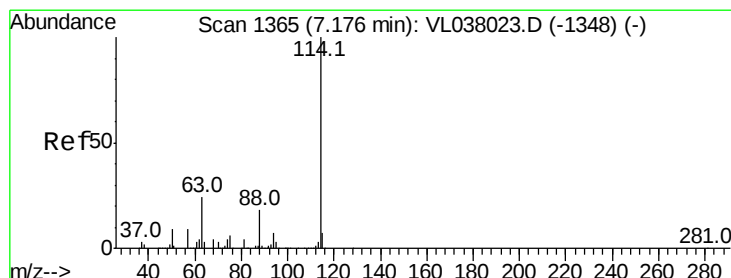
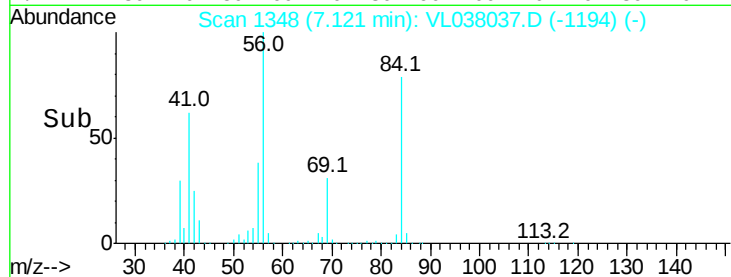
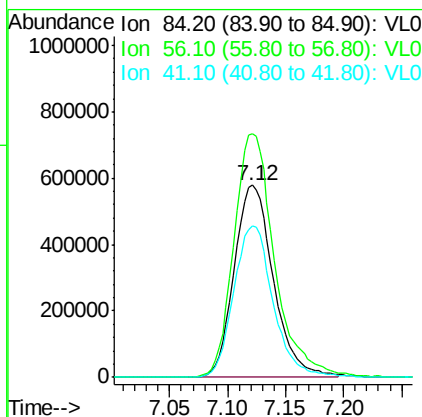
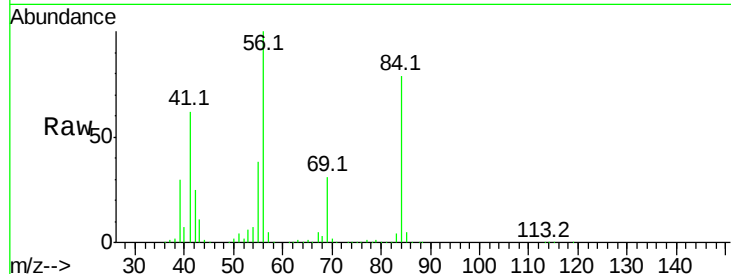


#30
Cvclohexane
Concen: 9.948 ppbv
RT: 7.12
Delta R.T.: MSVOA_L
Lab File: ClientSampleId :
E058-1100DL
Acq: 16 Nov 2021 13:10

Tot Ion:
Ion Ratio
84 100
56 132.
41 79.

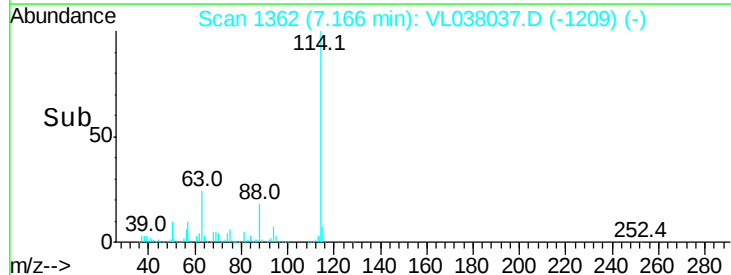
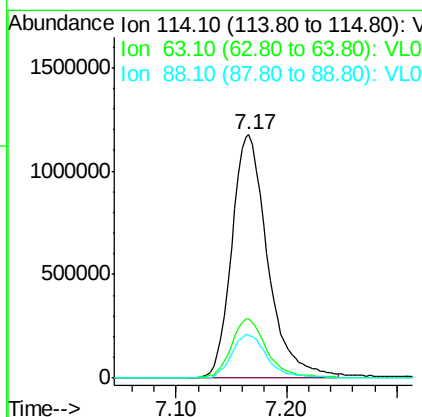
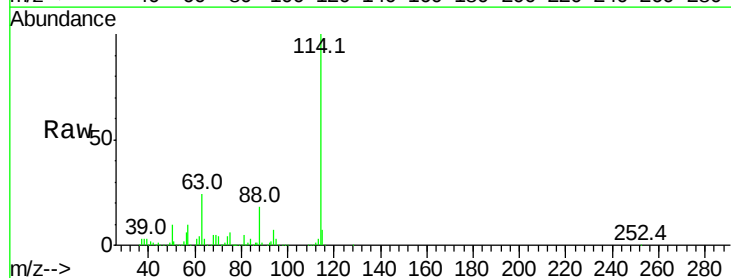
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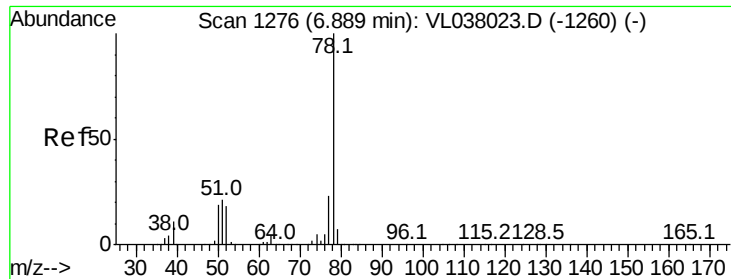
Reviewed By :Semsettin Yesilyurt 11/17/2021
Supervised By :Mahesh Dadoda 11/17/2021



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. -0.01 min
Lab File: VL038037.D
Acq: 16 Nov 2021 13:10

Tgt Ion:114 Resp: 2652418
Ion Ratio Lower Upper
114 100
63 24.8 19.8 29.6
88 17.9 14.6 21.8



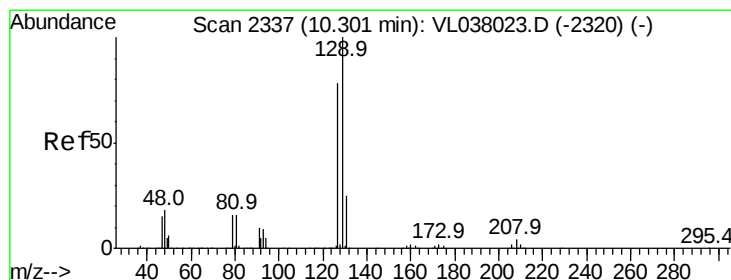
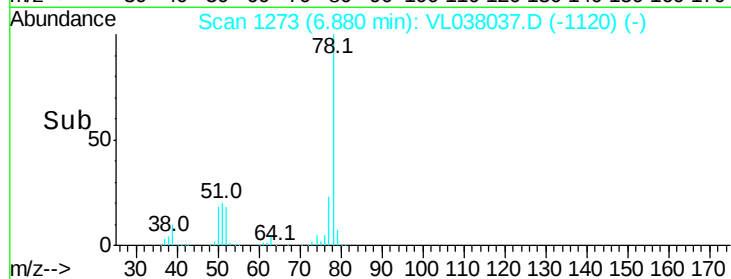
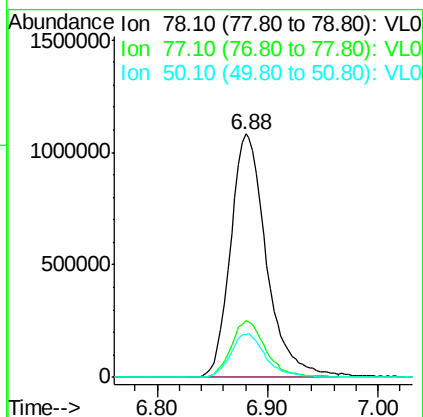
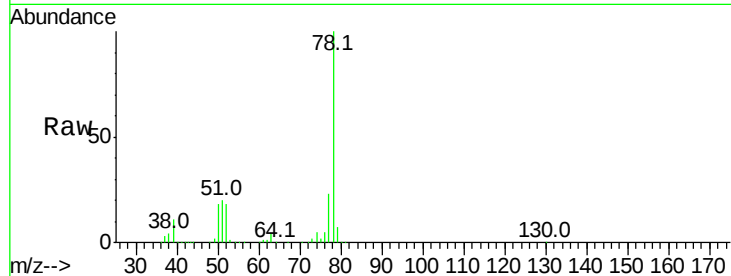


#36
Benzene
Concen: 9.638 ppbv
RT: 6.88
Delta R.T.: MSVOA_L
Lab File: ClientSampleId :
Acq: 16 Nov 2021 13:10

Tot Ion:
Ion Ratio
78 100
77 23.
50 17.

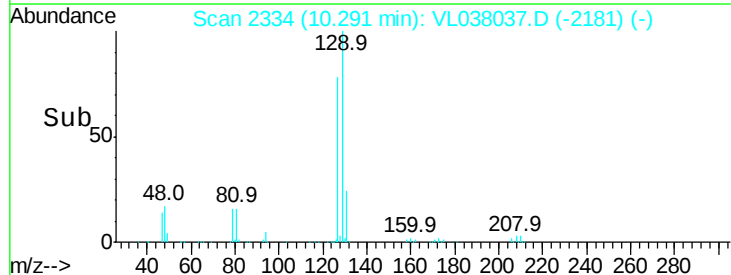
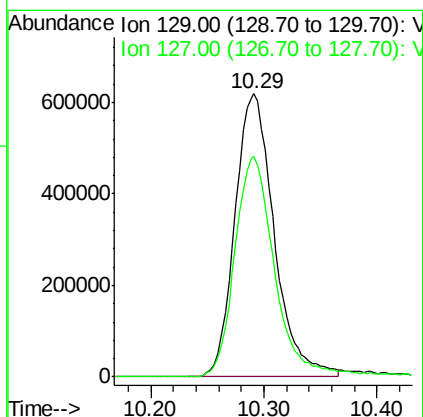
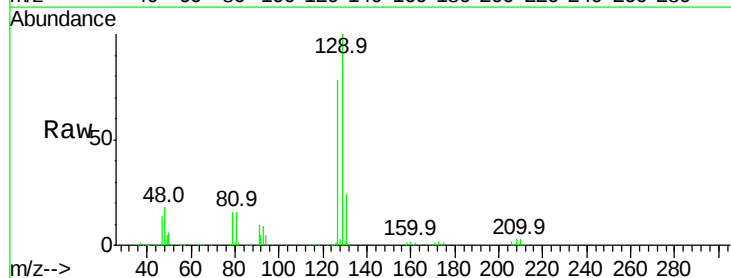
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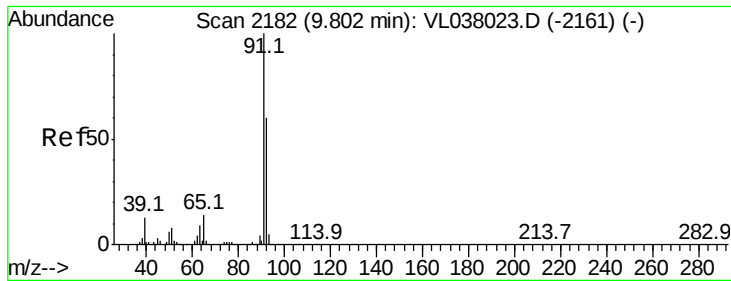
Reviewed By :Semsettin Yesilyurt 11/17/2021
Supervised By :Mahesh Dadoda 11/17/2021



#48
Dibromochloromethane
Concen: 9.287 ppbv
RT: 10.29 min Scan# 2334
Delta R.T.: -0.01 min
Lab File: VL038037.D
Acq: 16 Nov 2021 13:10

Tgt Ion:129 Resp: 1495790
Ion Ratio Lower Upper
129 100
127 80.4 40.1 120.3





#53

Toluene

Concen: 9.379 ppbv

RT: 9.79

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Nov 2021 13:10 E058-1100DL

Tot Ion:

Ion Ratio

91 100

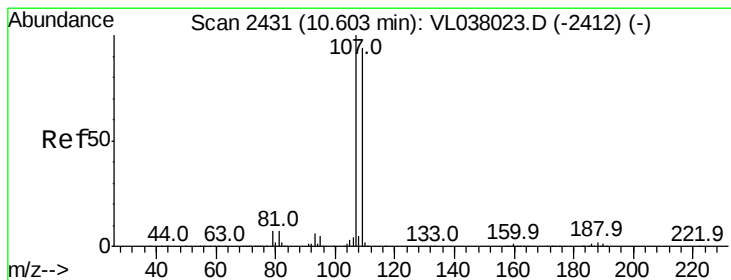
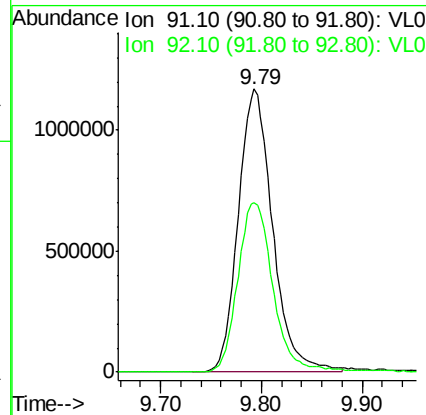
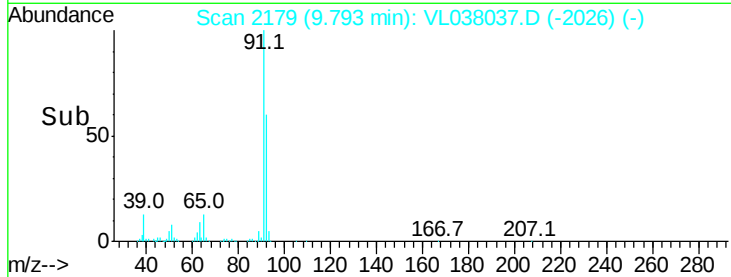
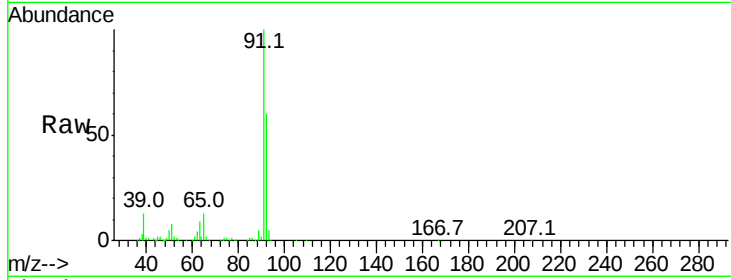
92 62.

Manual Integrations

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Supervised By :Mahesh Dadoda 11/17/2021



#54

1,2-Dibromoethane

Concen: 16.906 ppbv

RT: 10.60 min Scan# 2429

Delta R.T. -0.01 min

Lab File: VL038037.D

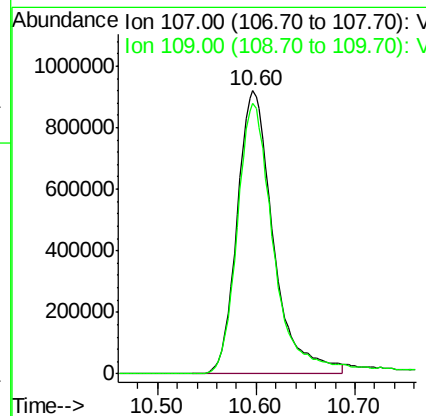
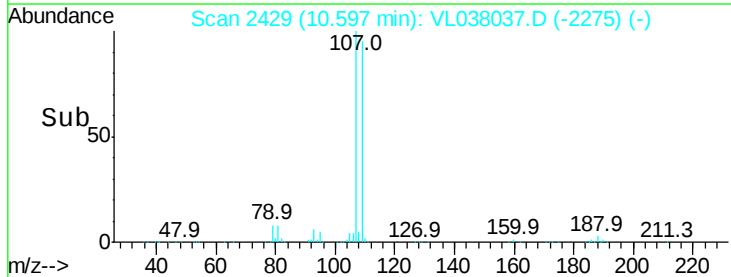
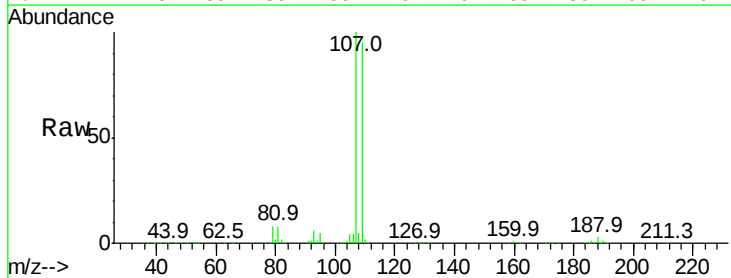
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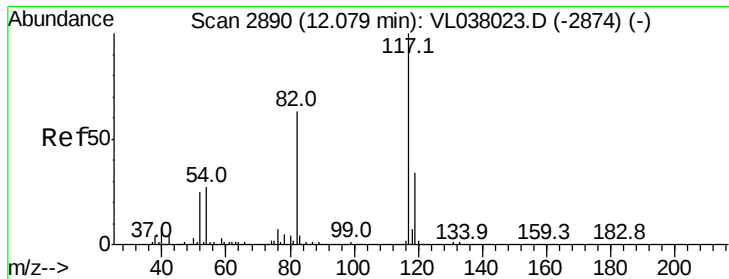
Tgt Ion:107 Resp: 2346432

Ion Ratio Lower Upper

107 100

109 95.5 75.0 112.6



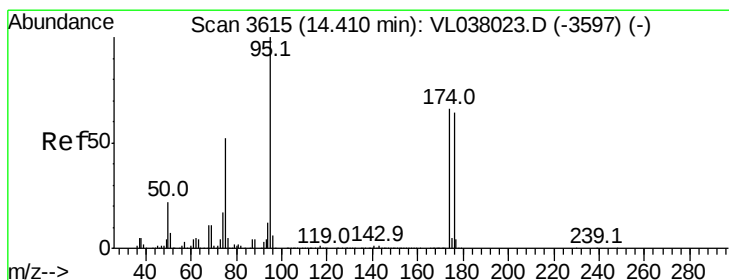
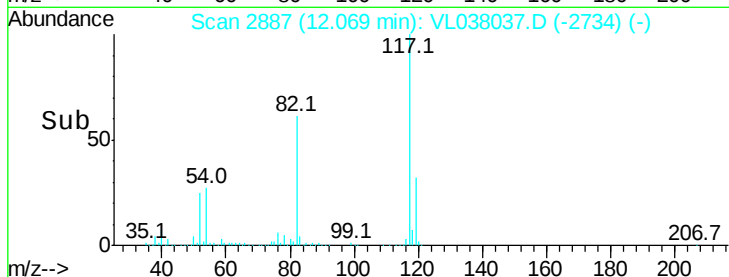
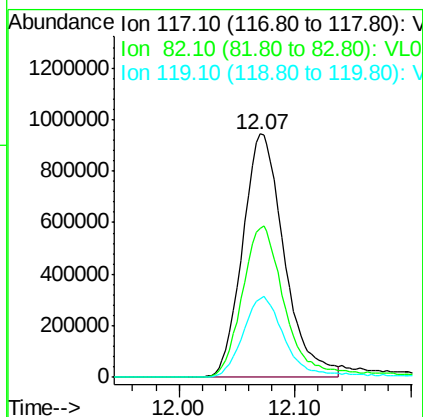
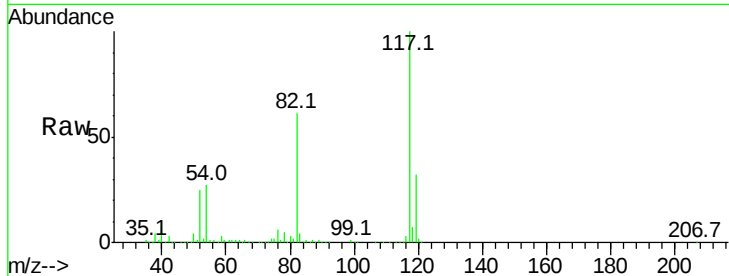


#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.07 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampled :
 E058-1100DL
 Acq: 16 Nov 2021 13:10

Tot Ion: 1
 Ion Ratio
 117 100
 82 67.
 119 34.

Manual Integrations
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 Supervised By : Mahesh Dadoda 11/17/2021



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.079 ppbv
 RT: 14.40 min Scan# 3613
 Delta R.T.: -0.01 min
 Lab File: VL038037.D
 Acq: 16 Nov 2021 13:10

Tgt Ion: 95 Resp: 1713861
 Ion Ratio Lower Upper
 95 100
 174 69.3 55.0 82.6
 175 5.1 4.2 6.2

