

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111621\
 Data File : VL038033.D
 Acq On : 16 Nov 2021 10:29
 Operator : SY/AP
 Sample : M4526-01DUP
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 E058-1100

Manual Integrations
 APPROVED

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

Quant Time: Nov 17 09:09:34 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	796891	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	2594971	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.07	117	2305740	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1549134	9.30	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.26	62	1602866	22.653	ppbv	98
10) Heptane	8.11	43	4134050	21.497	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	2263832	18.234	ppbv	98
24) 1,1-Dichloroethane	5.00	63	2976923	24.595	ppbv	100
26) Hexane	5.68	57	3722706	33.621	ppbv #	45
30) Cyclohexane	7.12	84	2639826	21.171	ppbv	96
36) Benzene	6.88	78	4705482	19.062	ppbv	99
48) Dibromochloromethane	10.29	129	2948539	18.712	ppbv	99
53) Toluene	9.79	91	5249084	18.185	ppbv	97
54) 1,2-Dibromoethane	10.60	107	4450767	32.778	ppbv	99

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

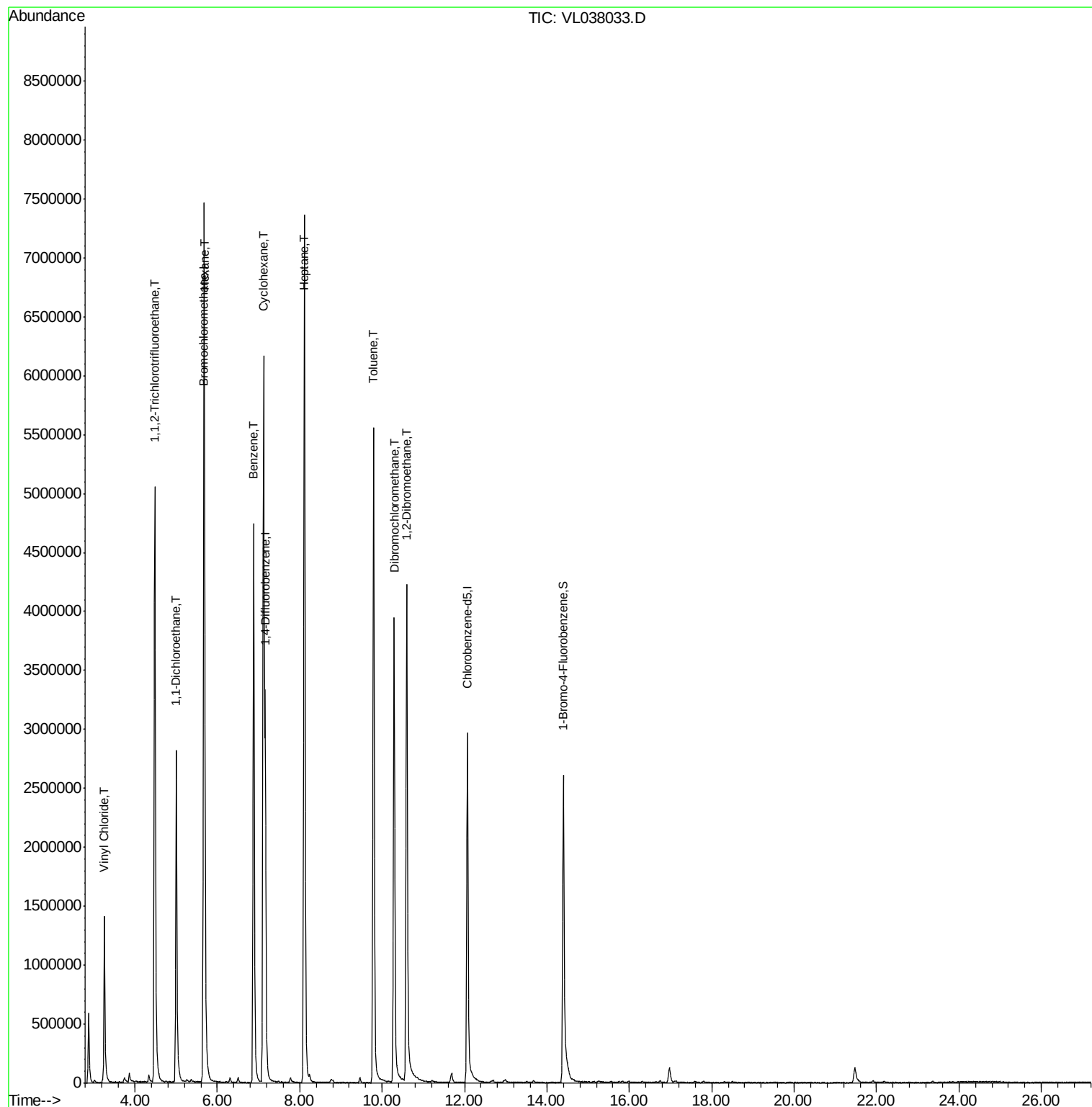
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL111621\
Data File : VL038033.D
Acq On : 16 Nov 2021 10:29
Operator : SY/AP
Sample : M4526-01DUP
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

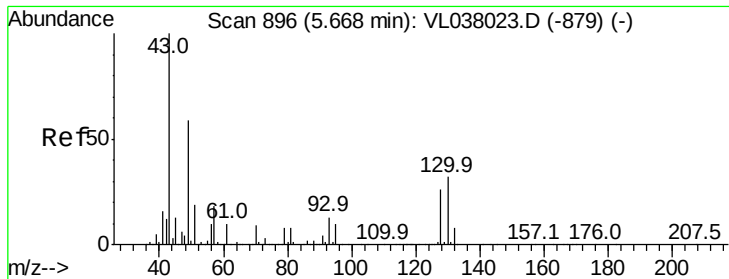
Instrument :
MSVOA_L
ClientSampleId :
E058-1100

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Quant Time: Nov 17 09:09:34 2021
Quant Method : Z:\V0ASRV\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

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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: E058-1100

Acq: 16 Nov 2021 10:29

Tot Ion:

Ion Ratio

49 100

128 49.

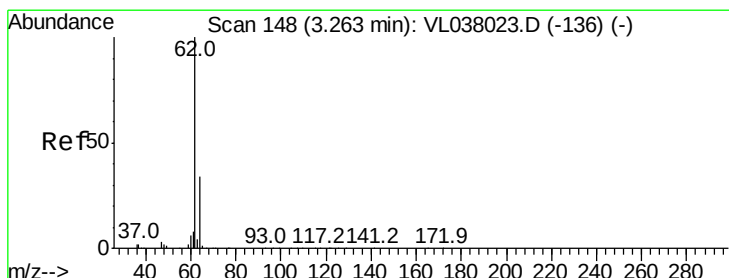
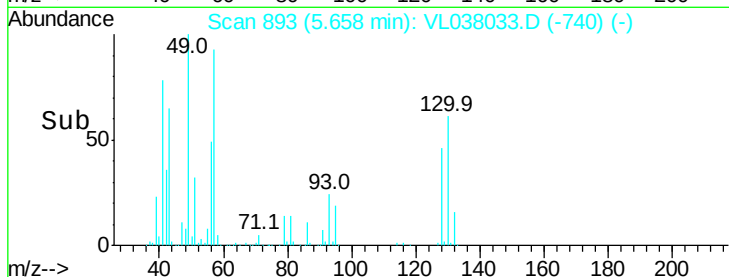
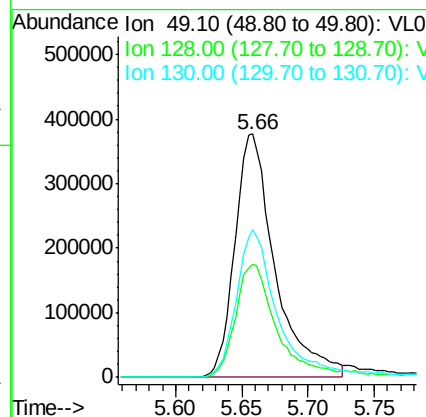
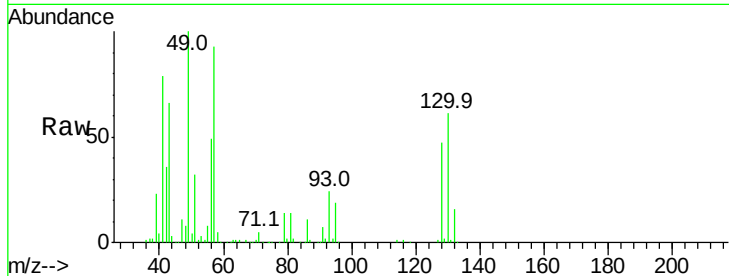
130 64.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/17/2021

Supervised By :Mahesh Dadoda 11/17/2021



#5

Vinyl Chloride

Concen: 22.653 ppbv

RT: 3.26 min Scan# 146

Delta R.T. -0.01 min

Lab File: VL038033.D

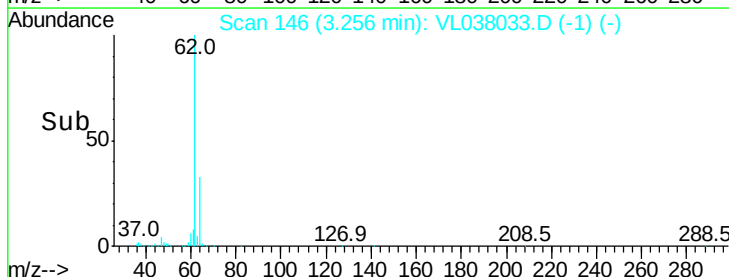
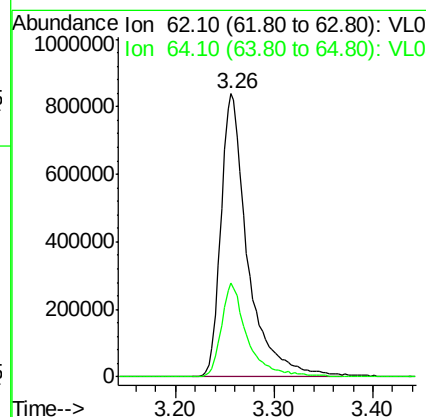
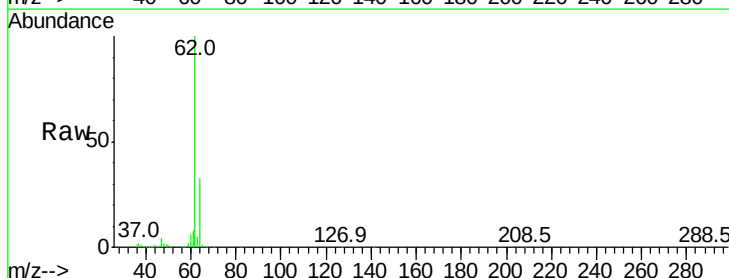
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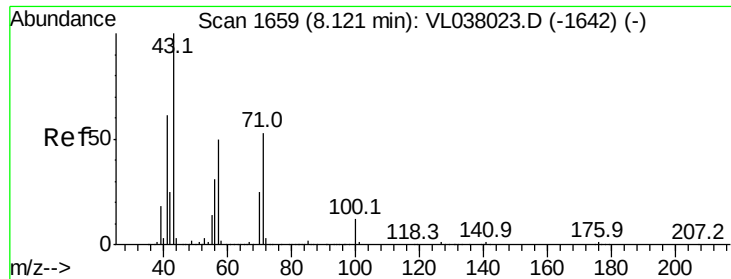
Tgt Ion: 62 Resp: 1602866

Ion Ratio Lower Upper

62 100

64 33.0 27.4 41.0



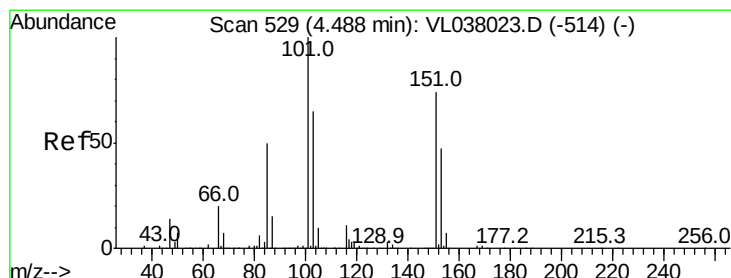
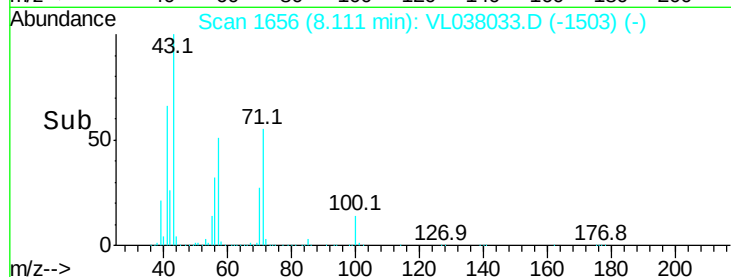
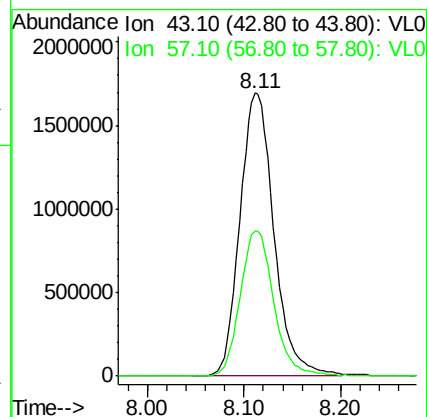
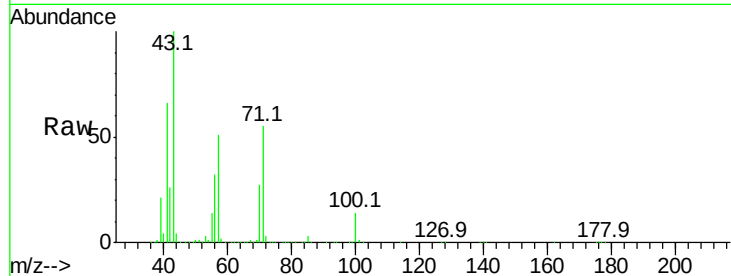


#10
 Heptane
 Concen: 21.497 ppbv
 RT: 8.11
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 E058-1100
 Acq: 16 Nov 2021 10:29

Tot Ion:
 Ion Ratio
 43 100
 57 51.

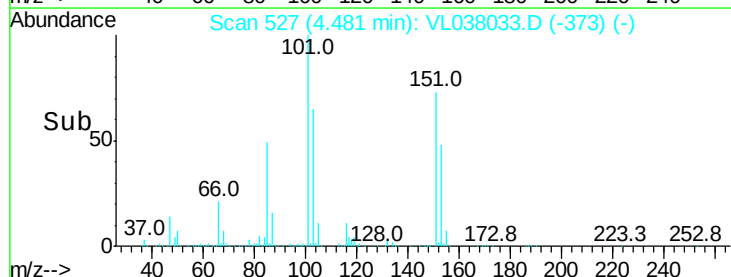
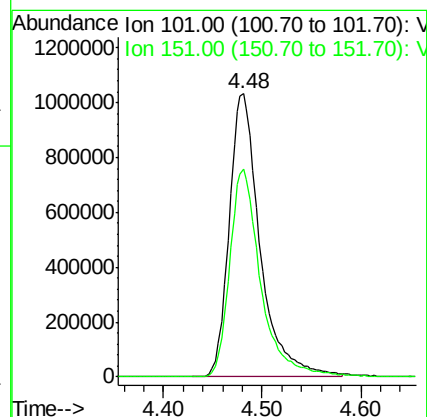
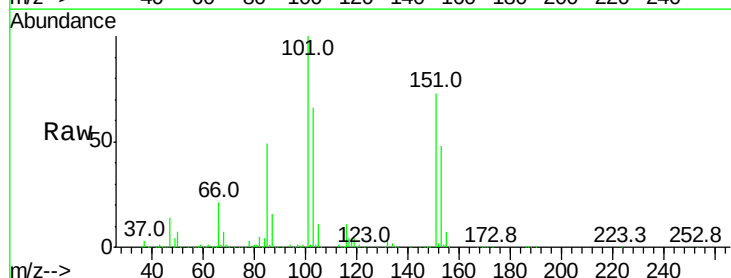
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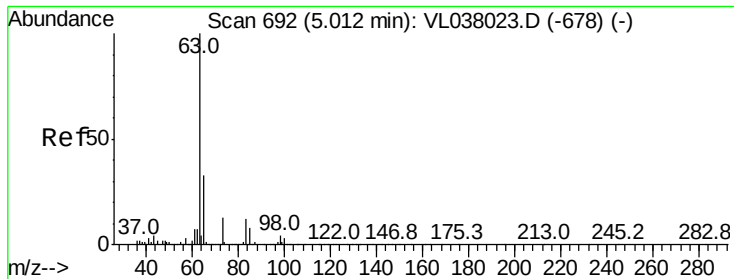
Reviewed By :Semsettin Yesilyurt 11/17/2021
 Supervised By :Mahesh Dadoda 11/17/2021



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.234 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. -0.01 min
 Lab File: VL038033.D
 Acq: 16 Nov 2021 10:29

Tgt Ion:101 Resp: 2263832
 Ion Ratio Lower Upper
 101 100
 151 74.0 57.8 86.8





#24

1,1-Dichloroethane

Concen: 24.595 ppbv

RT: 5.00 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: E058-1100

Acq: 16 Nov 2021 10:29

Tot Ion:

Ion Ratio

63 100

98 4.

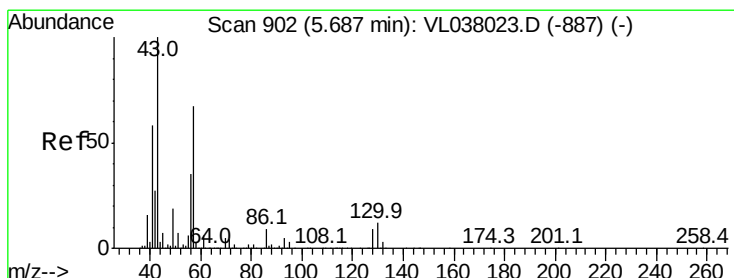
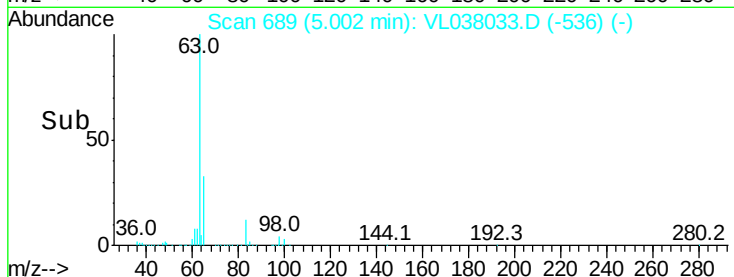
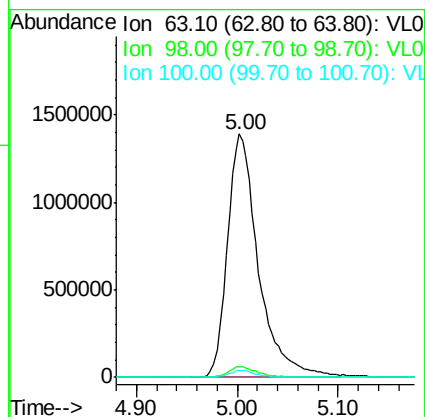
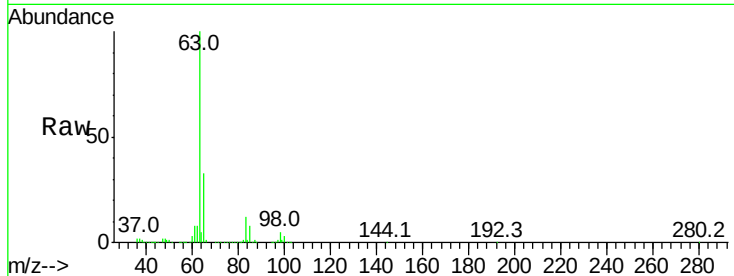
100 2.

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Supervised By :Mahesh Dadoda 11/17/2021



#26

Hexane

Concen: 33.621 ppbv

RT: 5.68 min Scan# 900

Delta R.T. -0.01 min

Lab File: VL038033.D

Acq: 16 Nov 2021 10:29

Tgt Ion: 57 Resp: 3722706

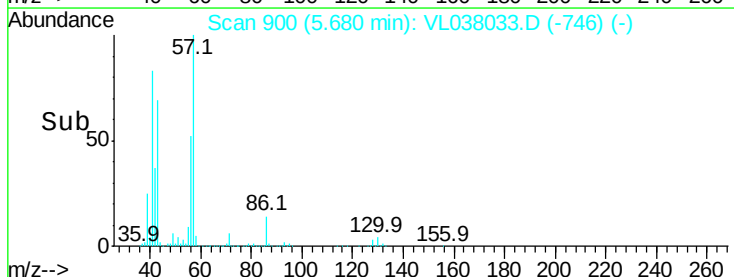
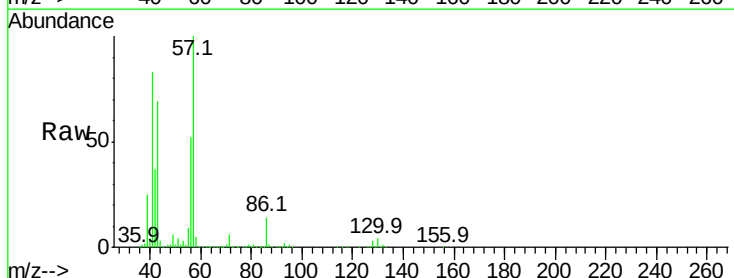
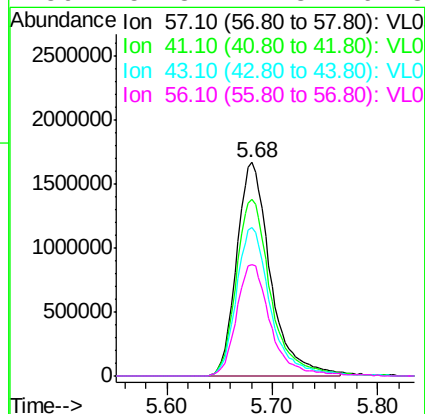
Ion Ratio Lower Upper

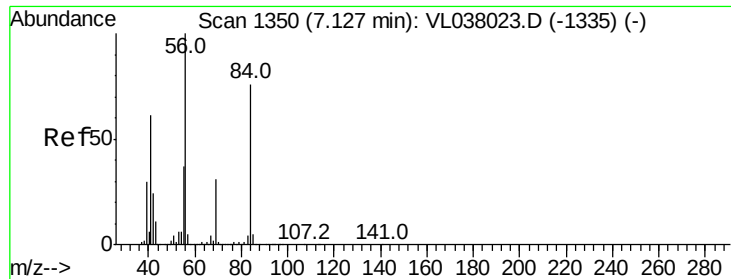
57 100

41 84.7 70.8 106.2

43 70.4 169.4 254.0#

56 52.8 41.8 62.8



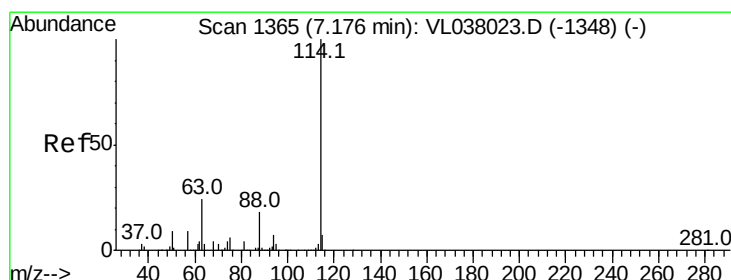
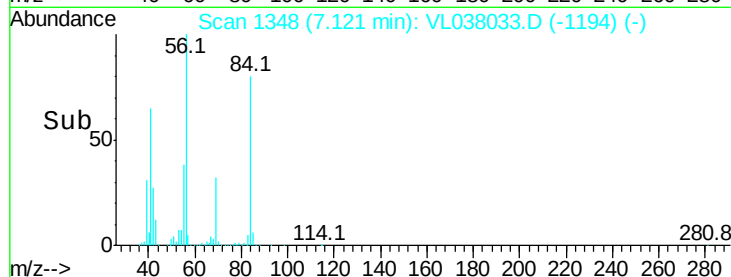
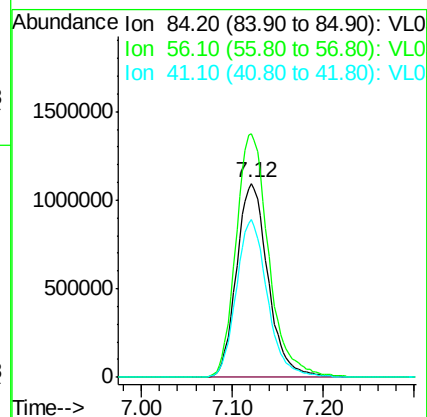
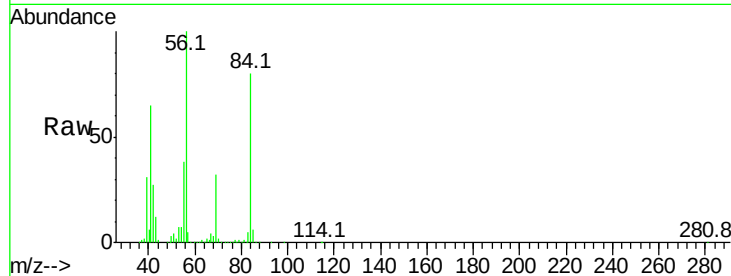


#30
Cvclohexane
Concen: 21.171 ppbv
RT: 7.12
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 16 Nov 2021 10:29

Tot Ion:
Ion Ratio
84 100
56 130.
41 80.

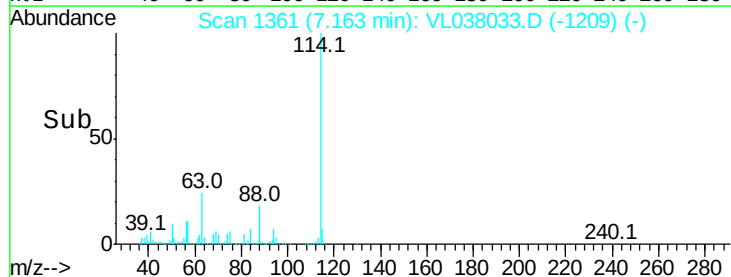
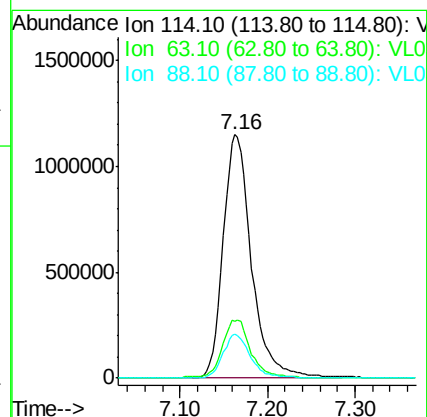
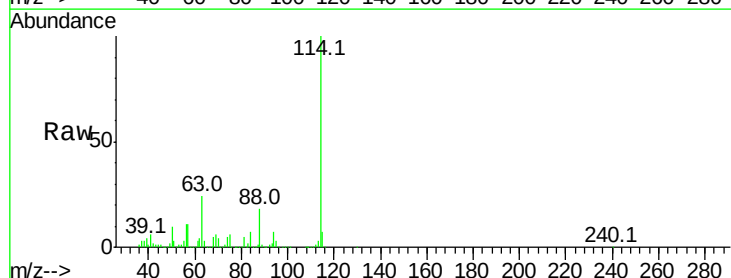
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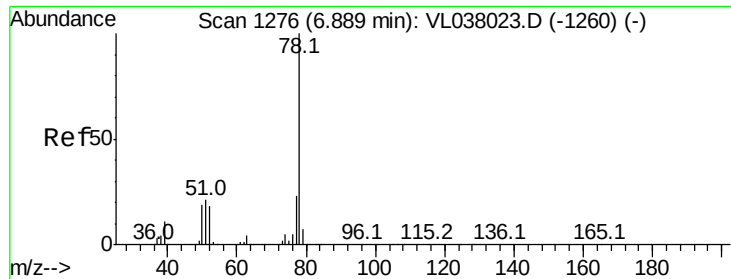
Reviewed By :Semsettin Yesilyurt 11/17/2021
Supervised By :Mahesh Dadoda 11/17/2021



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1361
Delta R.T. -0.01 min
Lab File: VL038033.D
Acq: 16 Nov 2021 10:29

Tgt Ion:114 Resp: 2594971
Ion Ratio Lower Upper
114 100
63 24.8 19.8 29.6
88 17.7 14.6 21.8



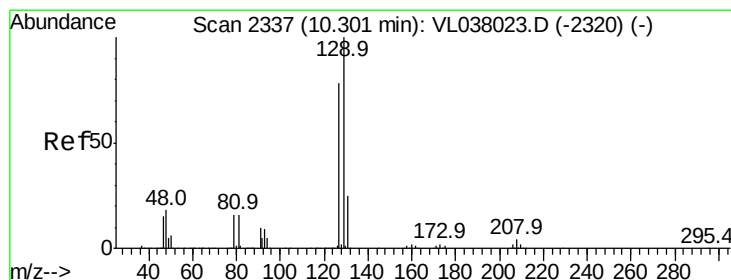
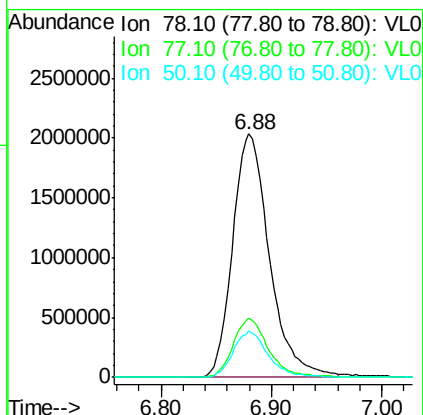
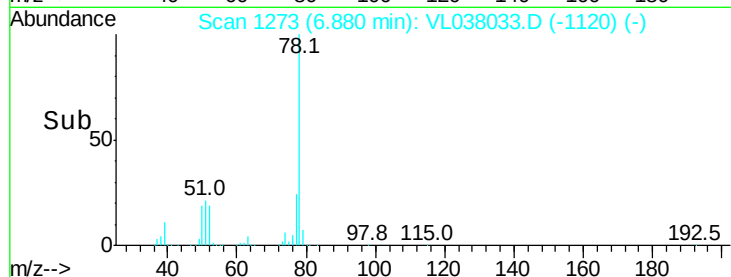
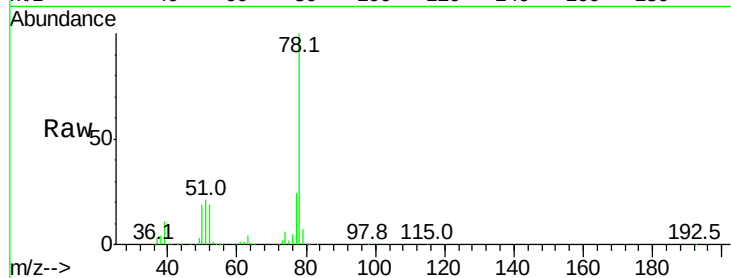


#36
Benzene
Concen: 19.062 ppbv
RT: 6.88
Instrument : MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 16 Nov 2021 10:29

Tot Ion:
Ion Ratio
78 100
77 24.
50 18.

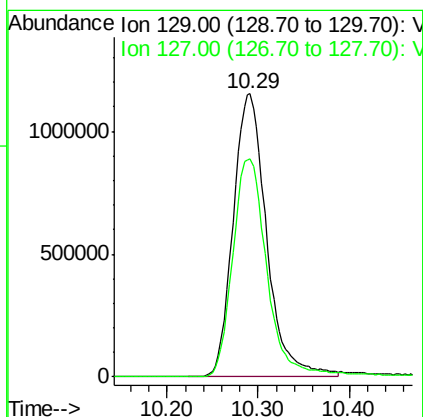
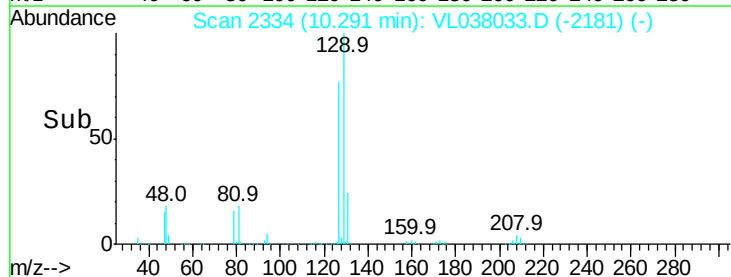
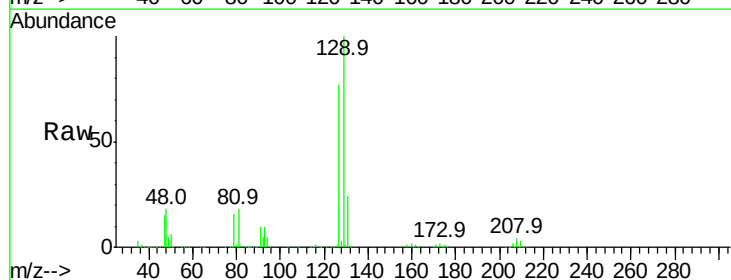
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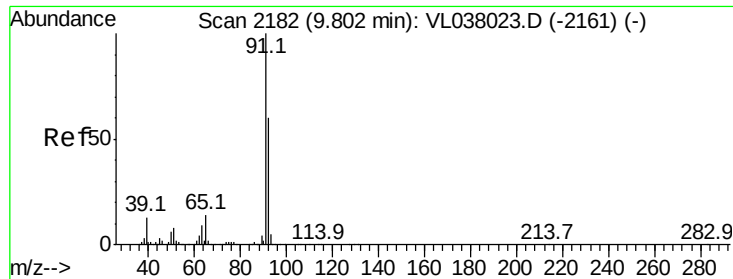
Reviewed By :Semsettin Yesilyurt 11/17/2021
Supervised By :Mahesh Dadoda 11/17/2021



#48
Dibromochloromethane
Concen: 18.712 ppbv
RT: 10.29 min Scan# 2334
Delta R.T. -0.01 min
Lab File: VL038033.D
Acq: 16 Nov 2021 10:29

Tgt Ion:129 Resp: 2948539
Ion Ratio Lower Upper
129 100
127 80.8 40.1 120.3





#53

Toluene

Concen: 18.185 ppbv

RT: 9.79

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Nov 2021 10:29

Tot Ion:

Ion Ratio

91 100

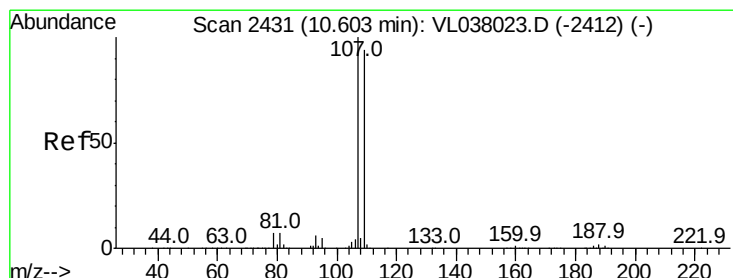
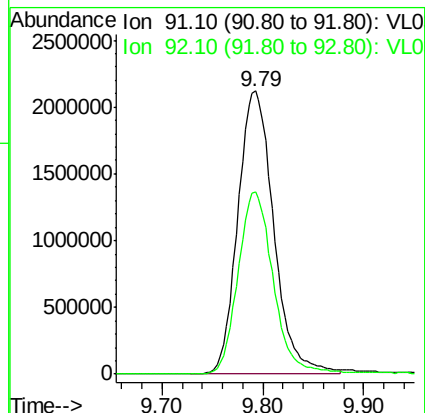
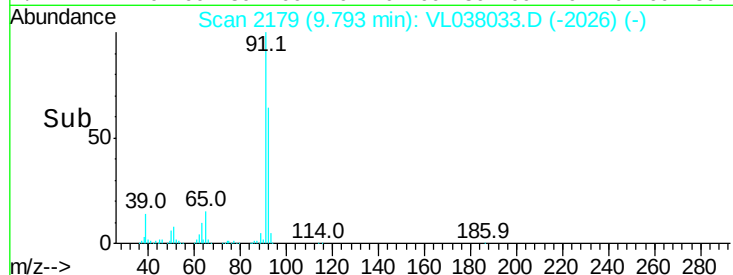
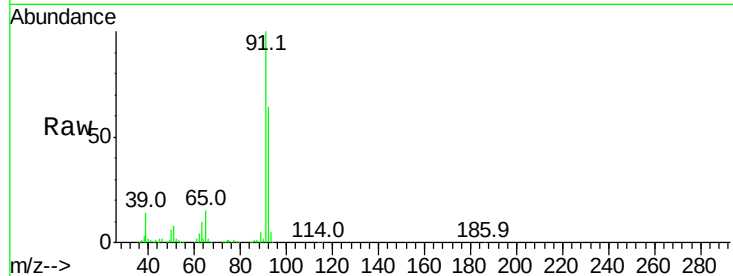
92 64.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/17/2021

Supervised By :Mahesh Dadoda 11/17/2021



#54

1,2-Dibromoethane

Concen: 32.778 ppbv

RT: 10.60 min Scan# 2429

Delta R.T. -0.01 min

Lab File: VL038033.D

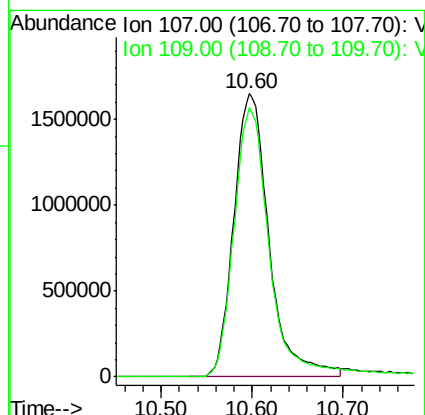
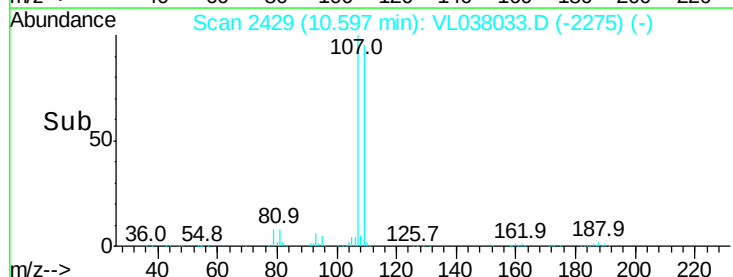
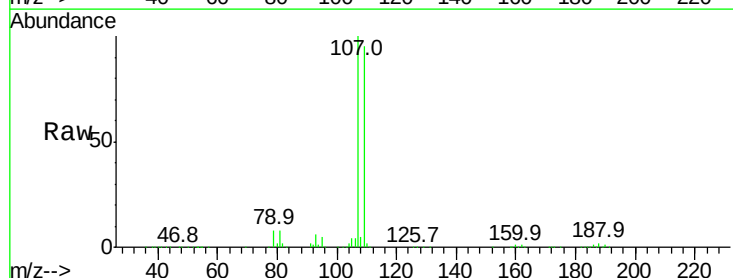
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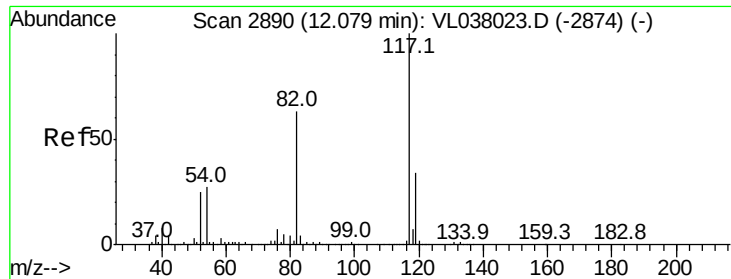
Tgt Ion:107 Resp: 4450767

Ion Ratio Lower Upper

107 100

109 95.1 75.0 112.6



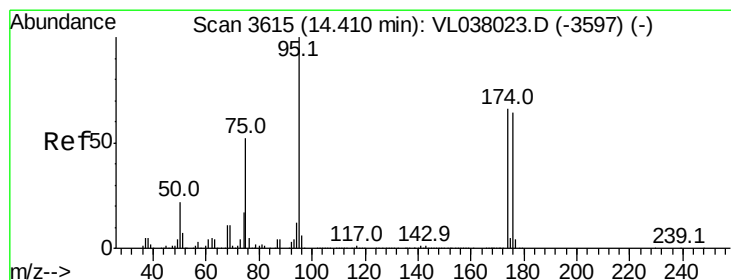
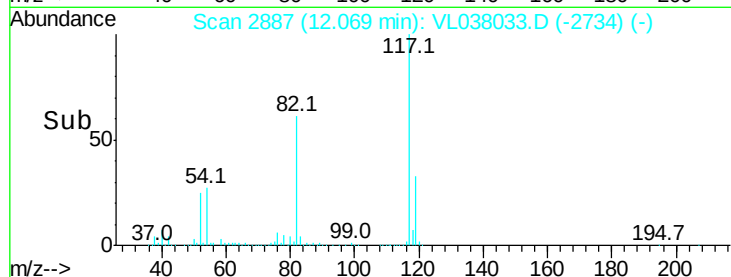
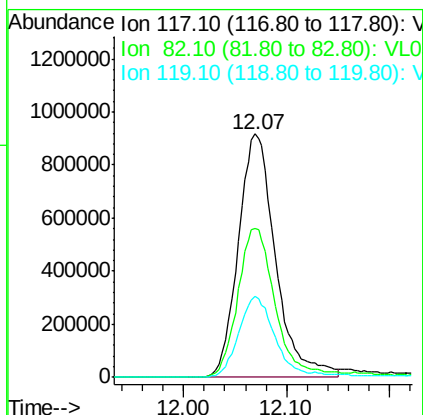
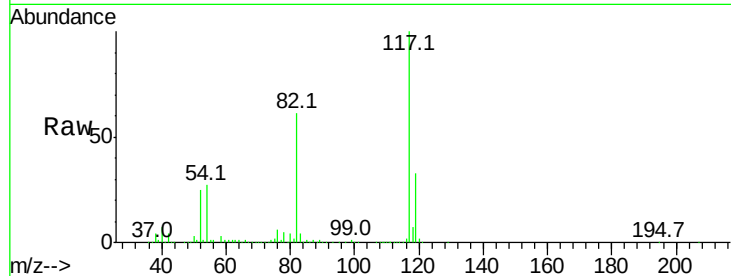


#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.07 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 E058-1100
 Acq: 16 Nov 2021 10:29

Tot Ion: 1
 Ion Ratio
 117 100
 82 64.
 119 34.

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



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.299 ppbv
 RT: 14.40 min Scan# 3612
 Delta R.T. -0.01 min
 Lab File: VL038033.D
 Acq: 16 Nov 2021 10:29

Tgt Ion: 95 Resp: 1549134
 Ion Ratio Lower Upper
 95 100
 174 75.0 55.0 82.6
 175 5.1 4.2 6.2

