

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111621\
 Data File : VL038035.D
 Acq On : 16 Nov 2021 11:50
 Operator : SY/AP
 Sample : M4526-01DL 4X
 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 09:12:21 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	876844	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	2631817	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.07	117	2390322	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1701854	9.85	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.26	62	390574	5.017	ppbv	95
10) Heptane	8.11	43	1161980	5.491	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	544554	3.986	ppbv	97
24) 1,1-Dichloroethane	5.01	63	709683	5.329	ppbv	99
26) Hexane	5.68	57	1056912	8.675	ppbv #	45
30) Cyclohexane	7.12	84	714046	5.204	ppbv	99
36) Benzene	6.88	78	1260423	5.035	ppbv	98
48) Dibromochloromethane	10.29	129	774654	4.847	ppbv	98
53) Toluene	9.80	91	1440325	4.920	ppbv	100
54) 1,2-Dibromoethane	10.60	107	1207055	8.765	ppbv	97

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

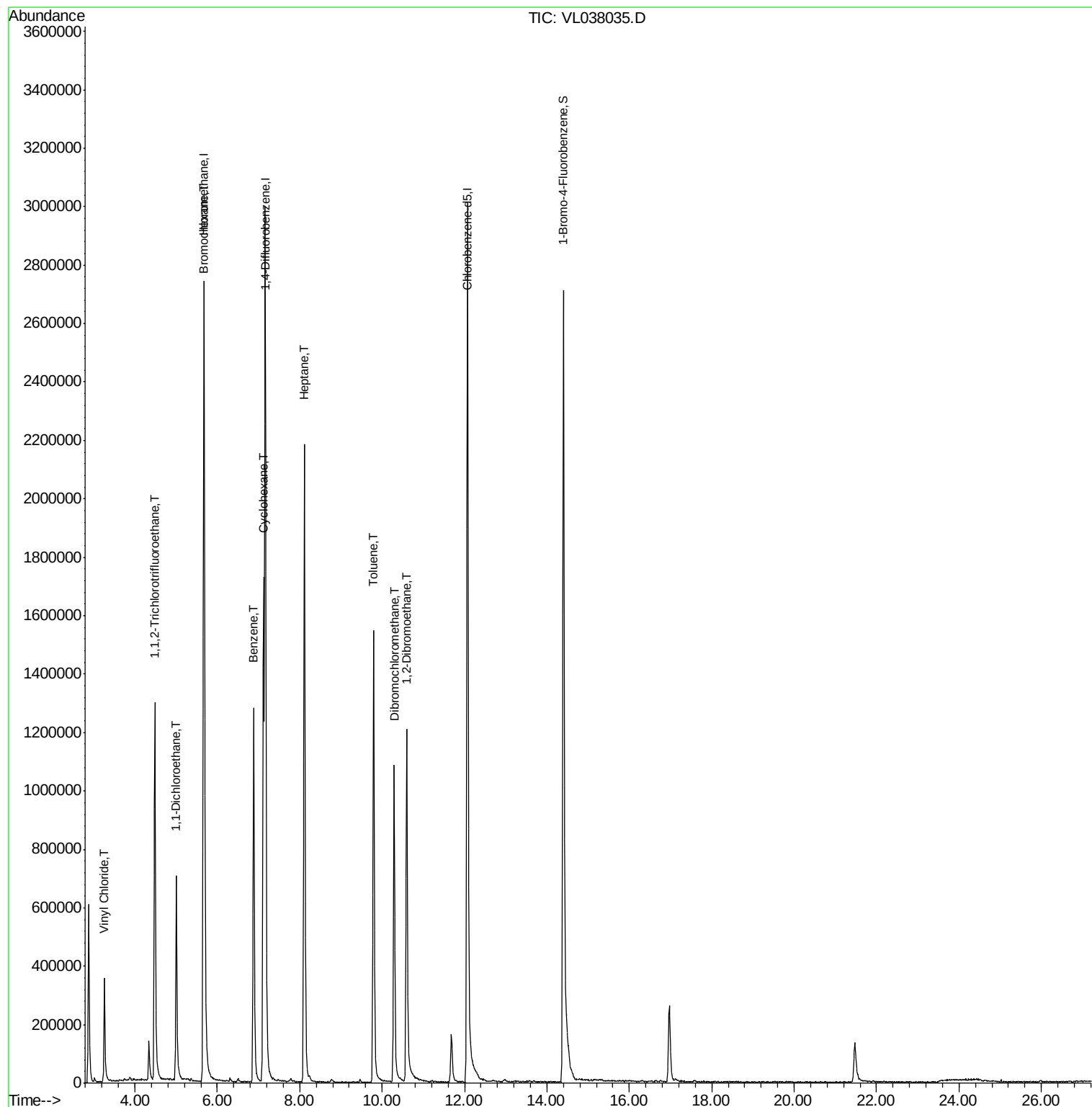
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL111621\
Data File : VL038035.D
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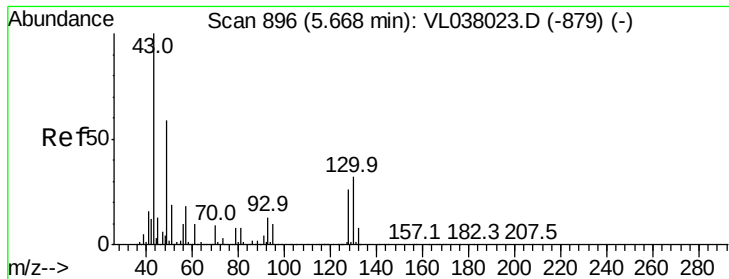
Instrument :
MSVOA_L
ClientSampleId :
E058-1100DL

Quant Time: Nov 17 09:12:21 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
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Supervised By :Mahesh Dadoda 11/17/2021





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA_L

Delta R.T. ClientSampleId:

Lab File: E058-1100DL

Acq: 16 Nov 2021 11:50

Tot Ion:

Ion Ratio

49 100

128 51.

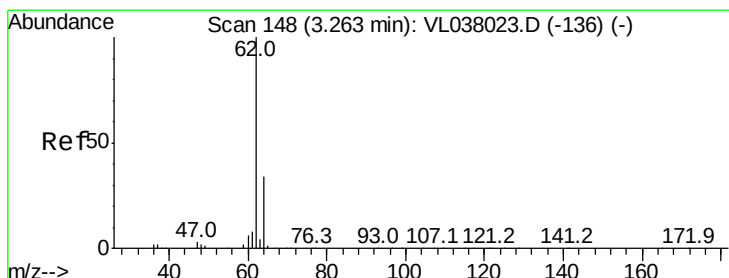
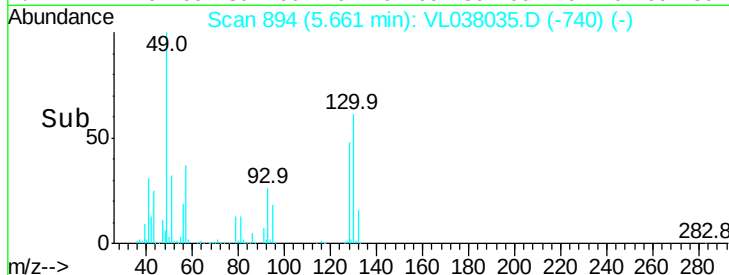
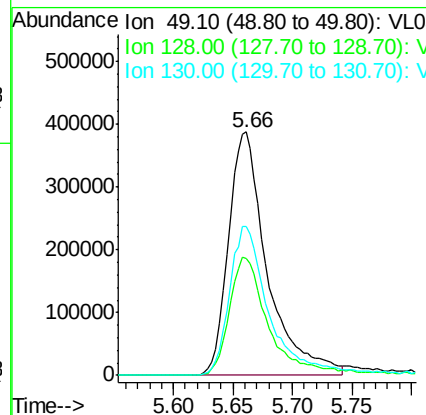
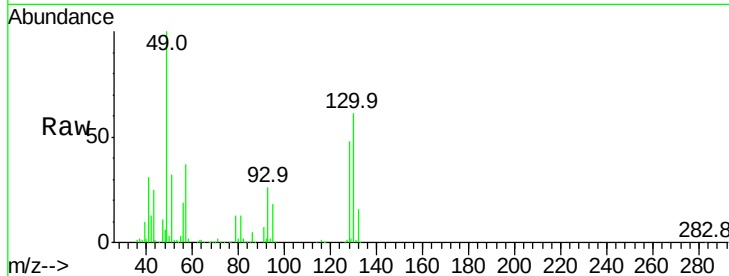
130 65.

Manual Integrations

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Supervised By :Mahesh Dadoda 11/17/2021



#5

Vinyl Chloride

Concen: 5.017 ppbv

RT: 3.26 min Scan# 147

Delta R.T. -0.00 min

Lab File: VL038035.D

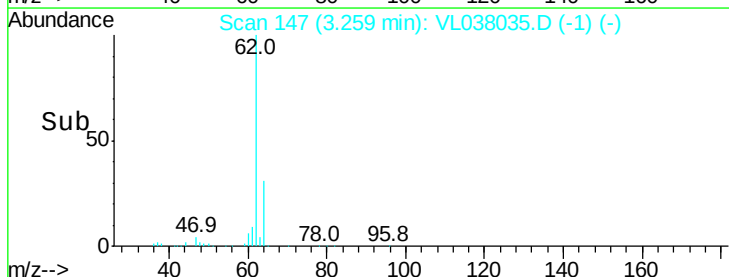
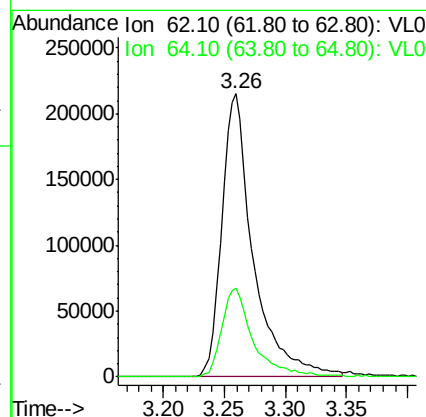
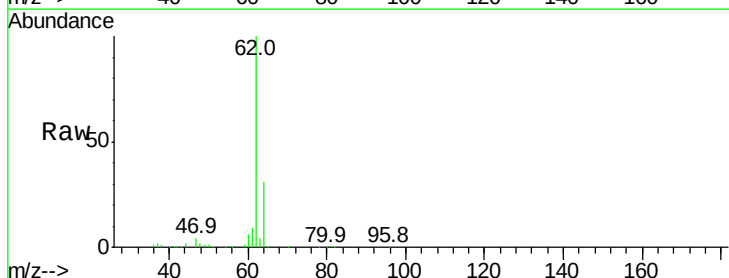
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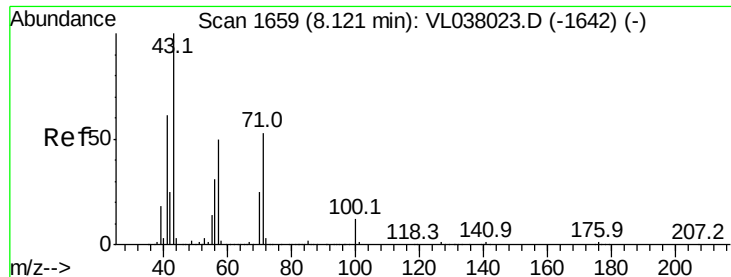
Tgt Ion: 62 Resp: 390574

Ion Ratio Lower Upper

62 100

64 31.2 27.4 41.0



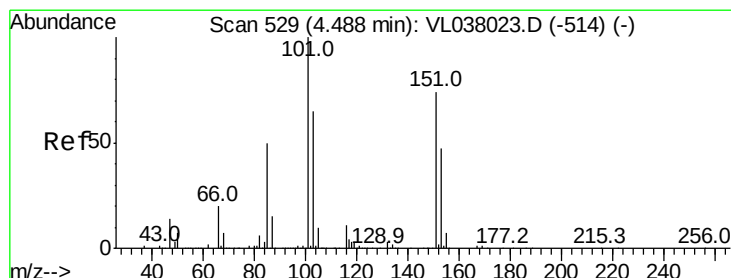
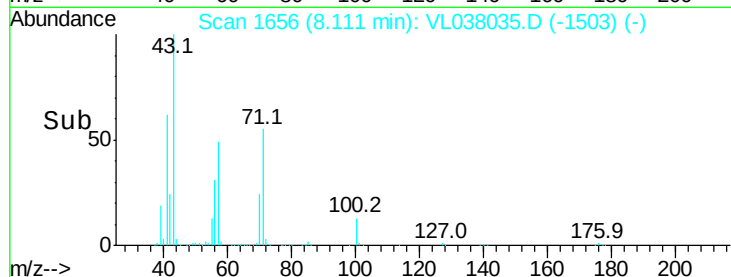
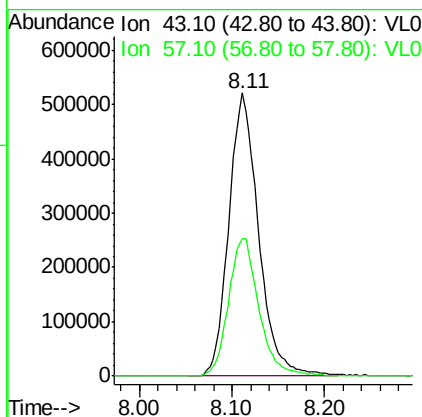
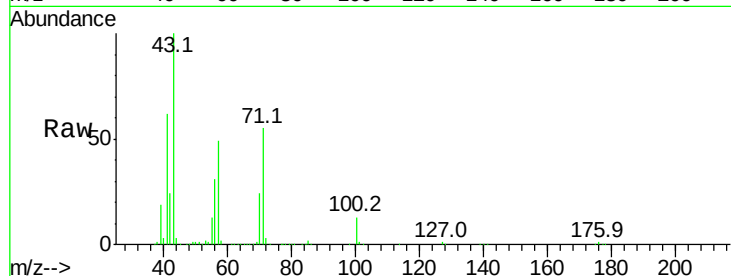


#10
 Heptane
 Concen: 5.491 ppbv
 RT: 8.11
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 E058-1100DL
 Acq: 16 Nov 2021 11:50

Tot Ion:
 Ion Ratio
 43 100
 57 50.

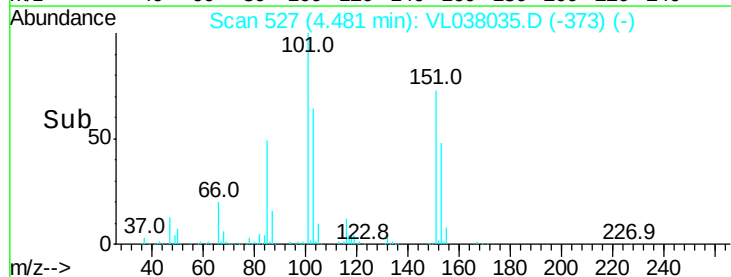
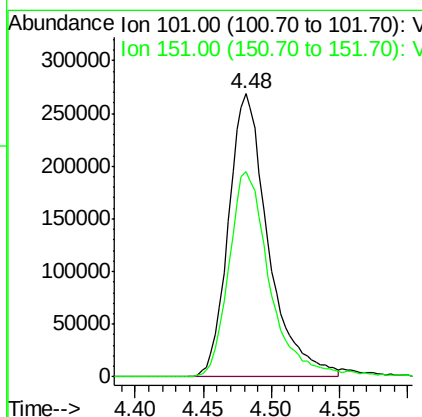
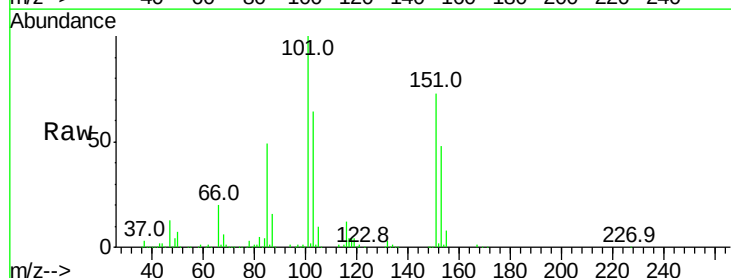
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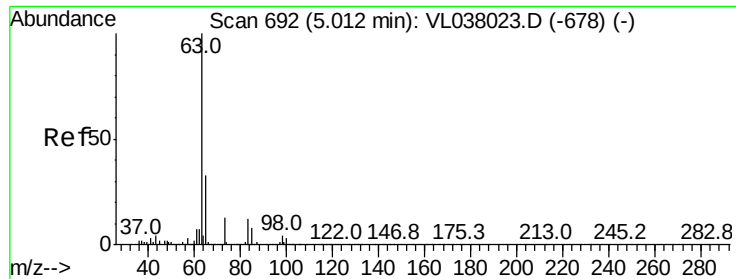
Reviewed By :Semsettin Yesilyurt 11/17/2021
 Supervised By :Mahesh Dadoda 11/17/2021



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 3.986 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. -0.01 min
 Lab File: VL038035.D
 Acq: 16 Nov 2021 11:50

Tgt Ion:101 Resp: 544554
 Ion Ratio Lower Upper
 101 100
 151 75.1 57.8 86.8



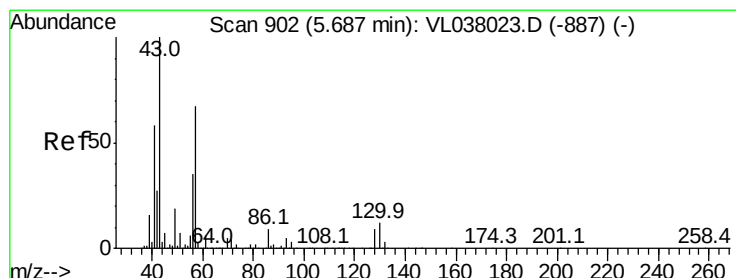
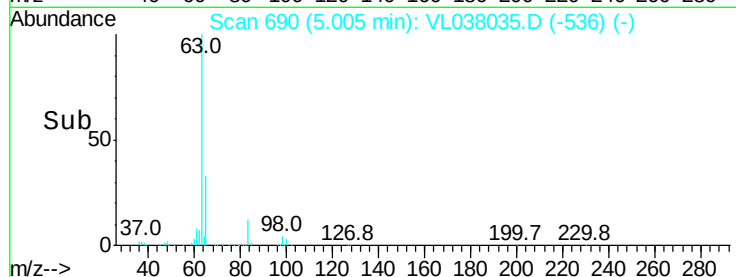
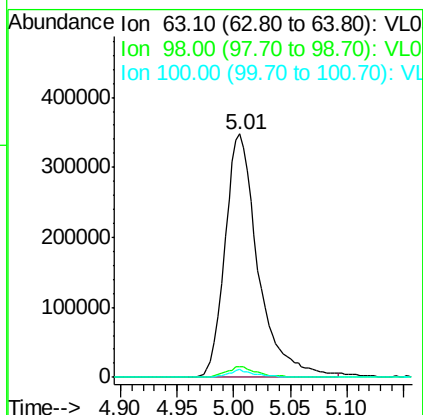
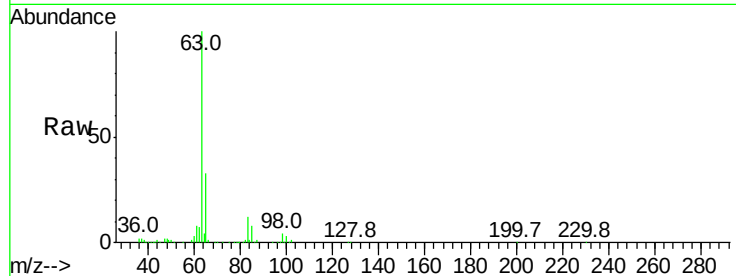


#24
 1,1-Dichloroethane
 Concen: 5.329 ppbv
 RT: 5.01
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 E058-1100DL
 Acq: 16 Nov 2021 11:50

Tot Ion:
 Ion Ratio
 63 100
 98 4.
 100 3.

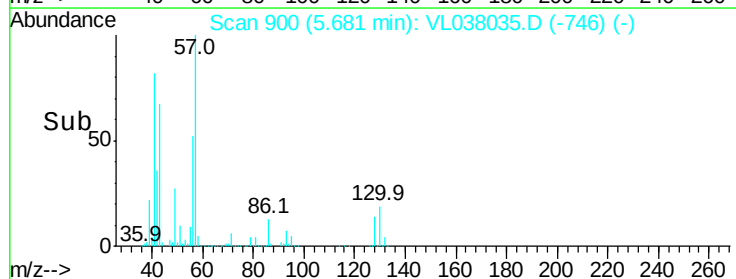
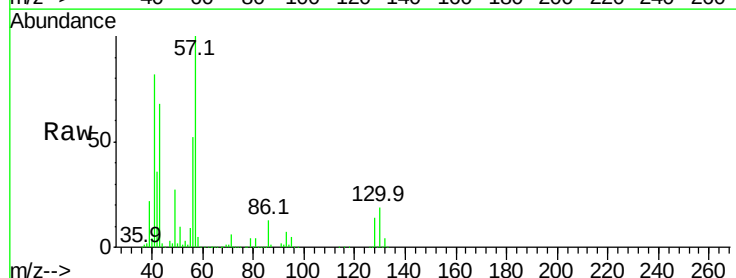
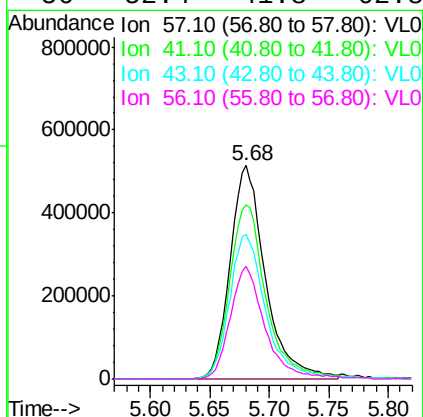
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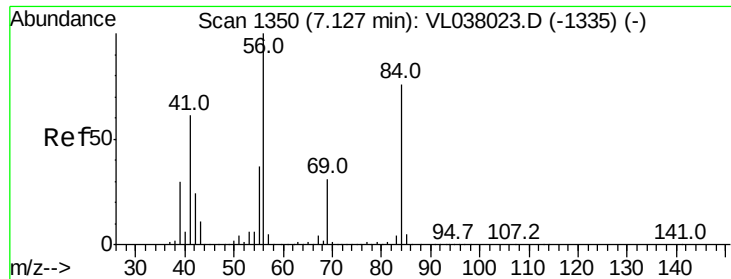
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 Supervised By :Mahesh Dadoda 11/17/2021



#26
 Hexane
 Concen: 8.675 ppbv
 RT: 5.68 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: VL038035.D
 Acq: 16 Nov 2021 11:50

Tgt Ion: 57 Resp: 1056912
 Ion Ratio Lower Upper
 57 100
 41 85.0 70.8 106.2
 43 69.9 169.4 254.0#
 56 52.4 41.8 62.8



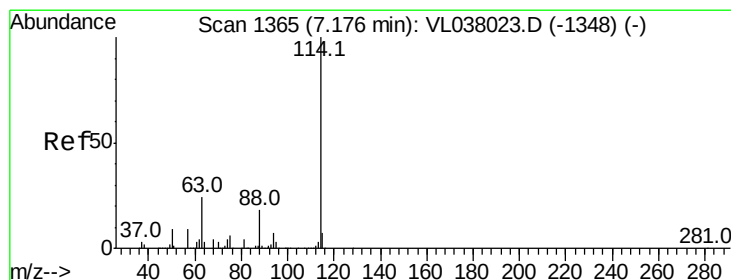
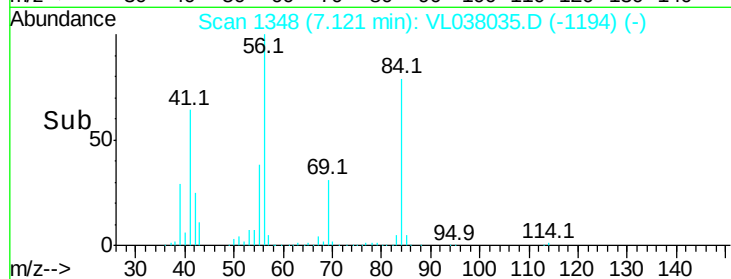
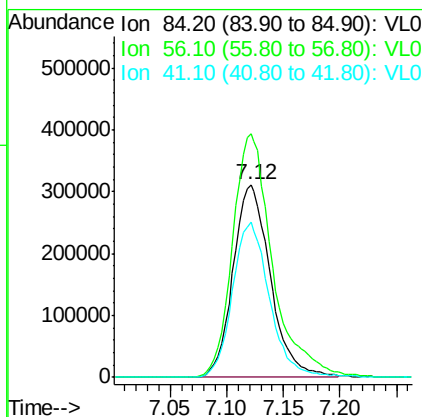
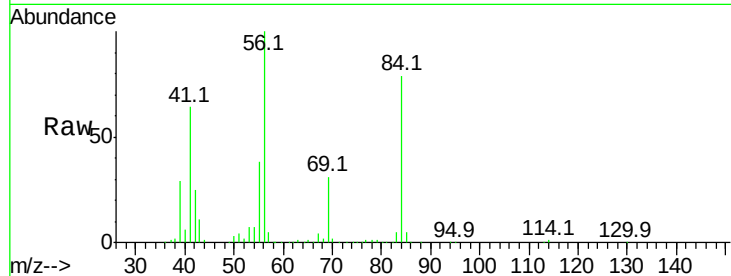


#30
Cyclohexane
Concen: 5.204 ppbv
RT: 7.12
Delta R.T.: MSVOA_L
Lab File: ClientSampleId :
E058-1100DL
Acq: 16 Nov 2021 11:50

Tot Ion:
Ion Ratio
84 100
56 136.
41 80.

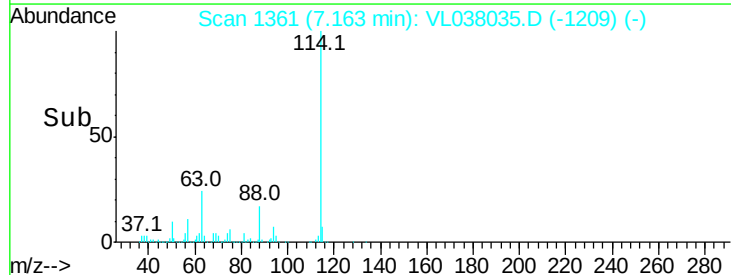
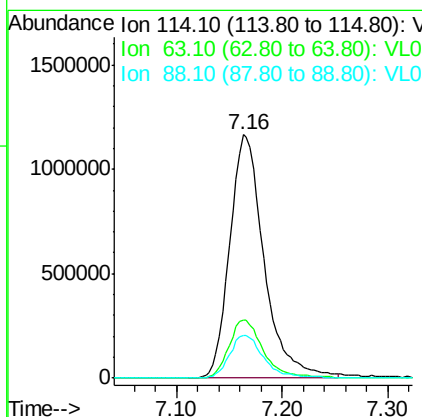
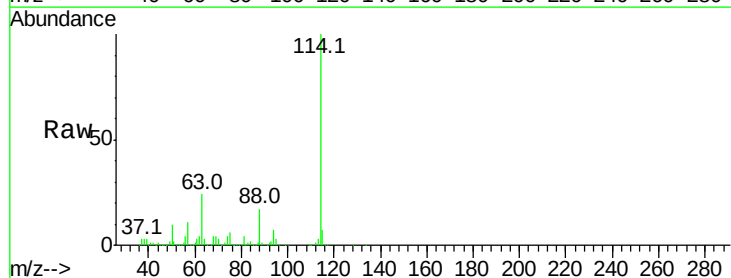
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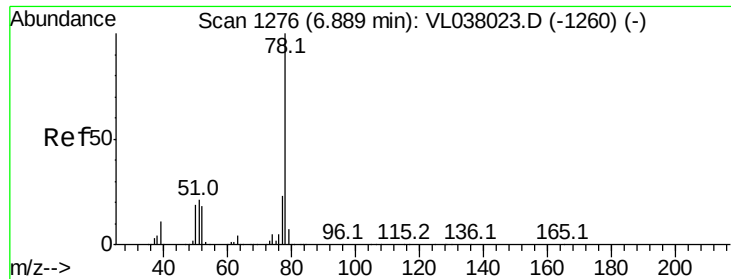
Reviewed By :Semsettin Yesilyurt 11/17/2021
Supervised By :Mahesh Dadoda 11/17/2021



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1361
Delta R.T. -0.01 min
Lab File: VL038035.D
Acq: 16 Nov 2021 11:50

Tgt Ion:114 Resp: 2631817
Ion Ratio Lower Upper
114 100
63 24.4 19.8 29.6
88 17.9 14.6 21.8



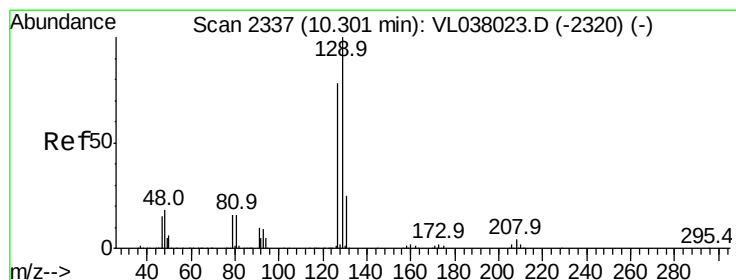
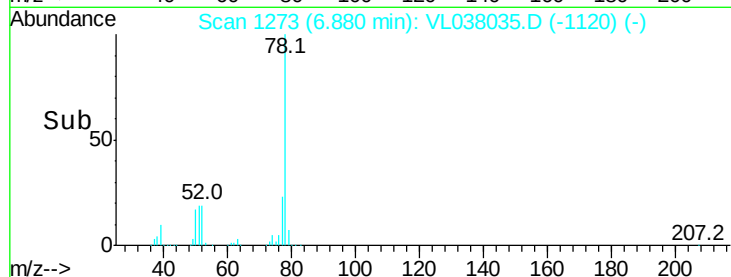
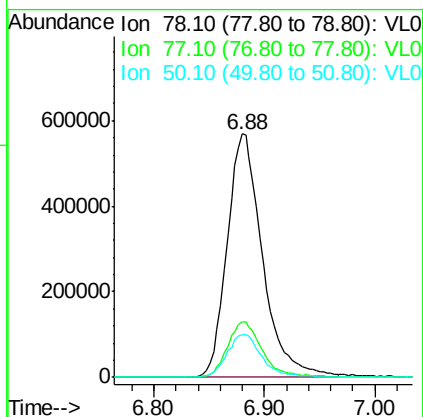
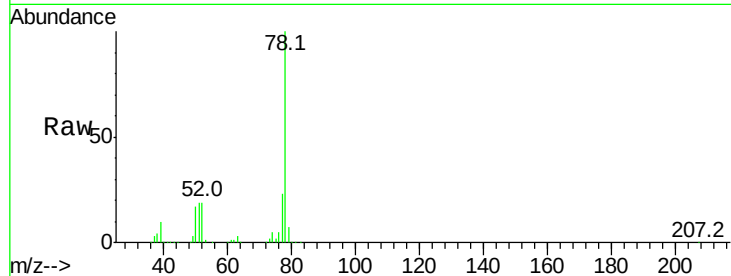


#36
Benzene
Concen: 5.035 ppbv
RT: 6.88
Delta R.T.: MSVOA_L
Lab File: ClientSampleId :
E058-1100DL
Acq: 16 Nov 2021 11:50

Tot Ion:
Ion Ratio
78 100
77 22.
50 17.

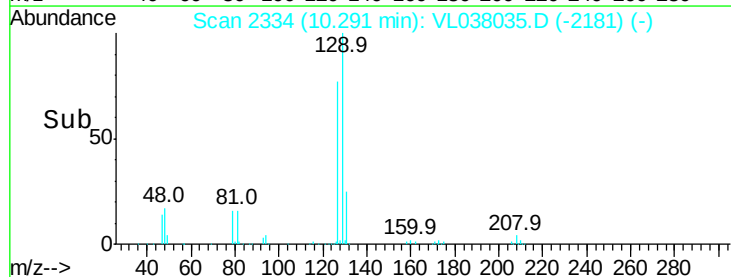
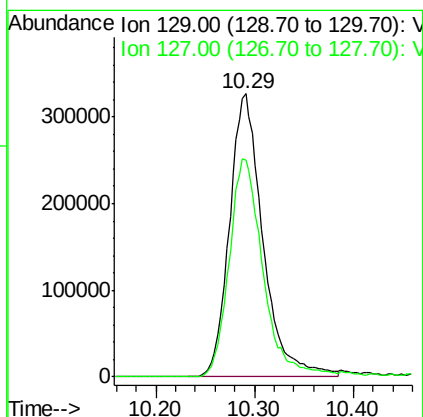
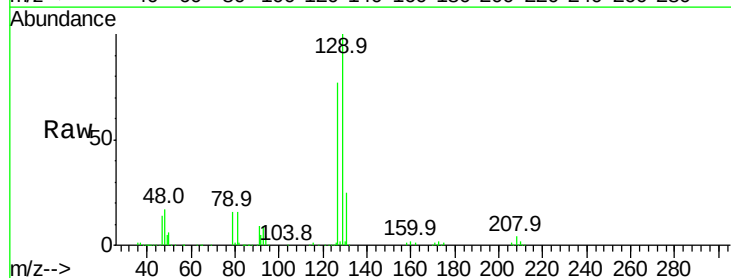
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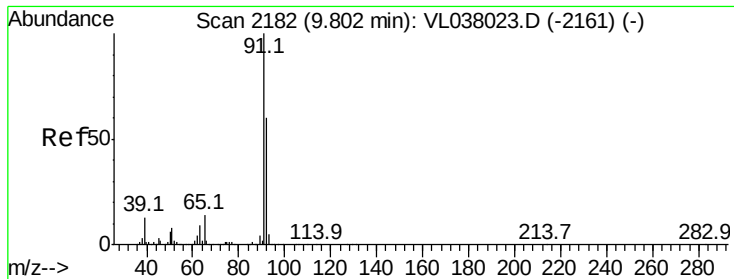
Reviewed By :Semsettin Yesilyurt 11/17/2021
Supervised By :Mahesh Dadoda 11/17/2021



#48
Dibromochloromethane
Concen: 4.847 ppbv
RT: 10.29 min Scan# 2334
Delta R.T. -0.01 min
Lab File: VL038035.D
Acq: 16 Nov 2021 11:50

Tgt Ion:129 Resp: 774654
Ion Ratio Lower Upper
129 100
127 78.7 40.1 120.3





#53

Toluene

Concen: 4.920 ppbv

RT: 9.80

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

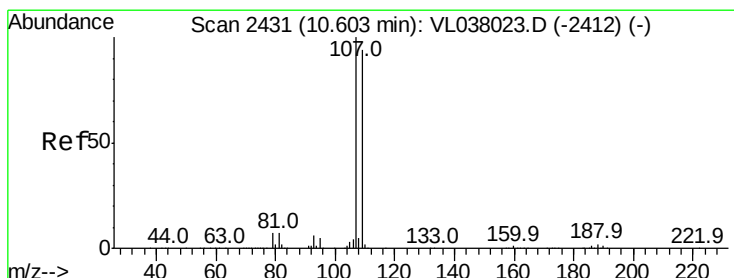
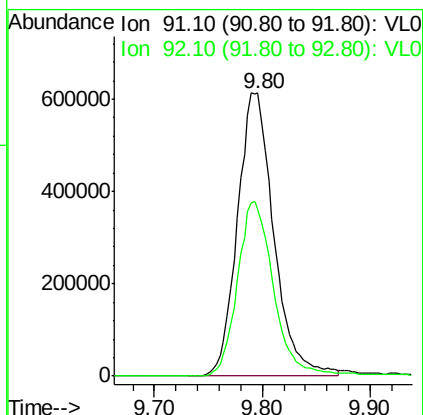
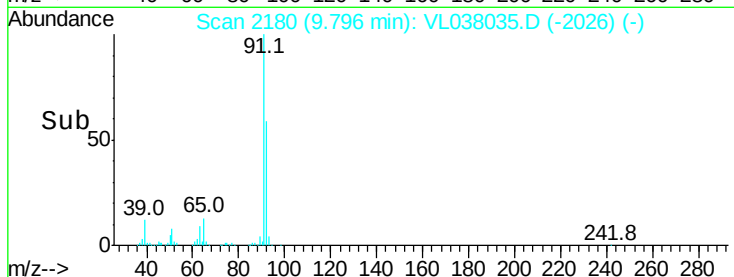
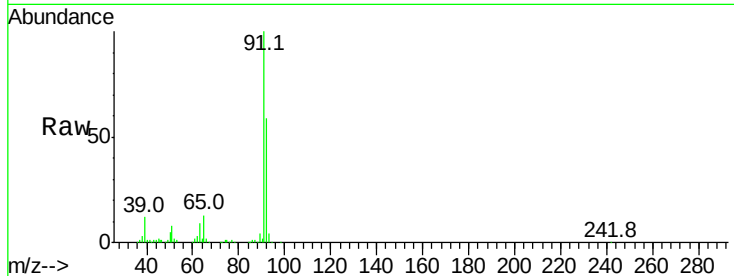
Acq: 16 Nov 2021 11:50

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#54

1,2-Dibromoethane

Concen: 8.765 ppbv

RT: 10.60 min Scan# 2429

Delta R.T. -0.01 min

Lab File: VL038035.D

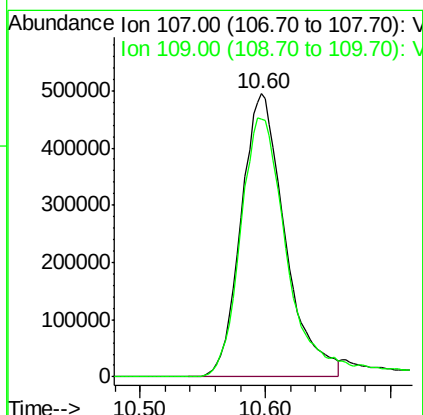
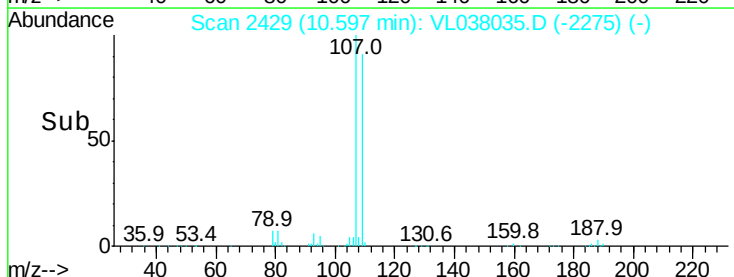
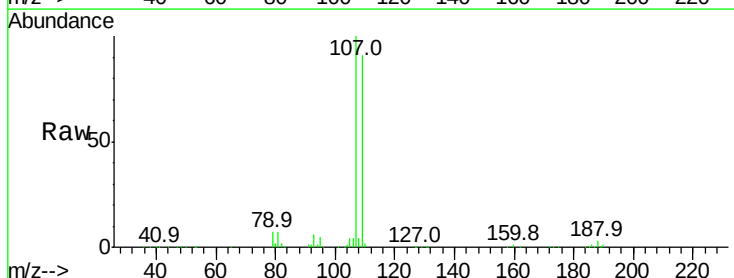
Acq: 16 Nov 2021 11:50

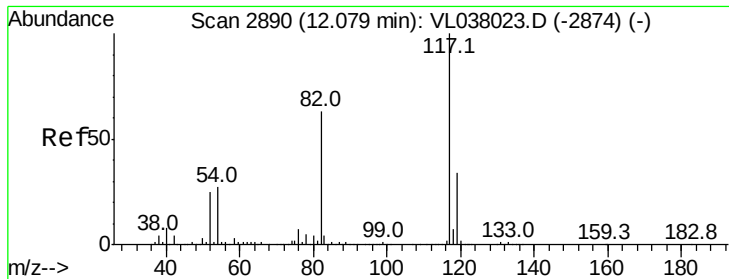
Tgt Ion:107 Resp: 1207055

Ion Ratio Lower Upper

107 100

109 91.1 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 11:50

Tot Ion:1

Ion Rati

117 100

82 65.

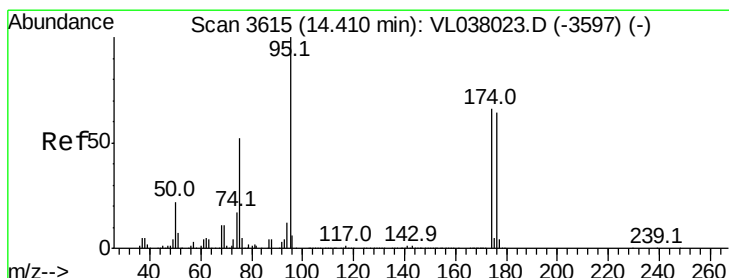
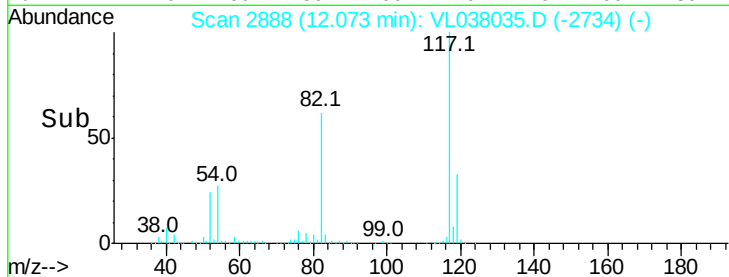
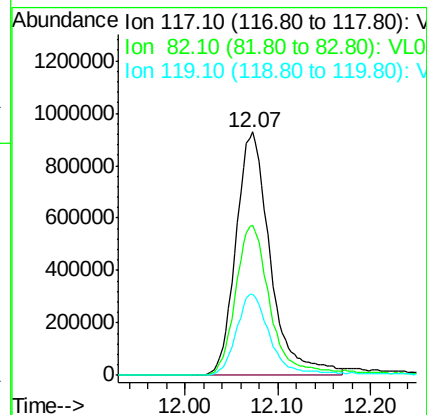
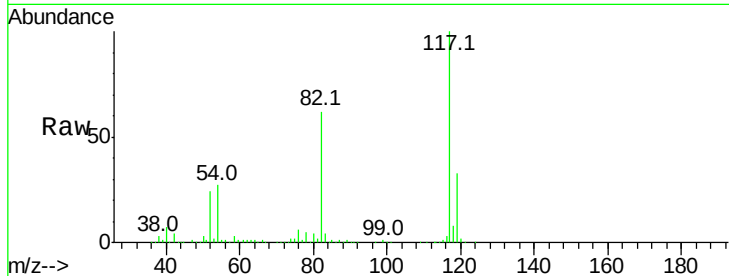
119 34.

Manual Integrations

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Supervised By :Mahesh Dadoda 11/17/2021



#68

1-Bromo-4-Fluorobenzene

Concen: 9.854 ppbv

RT: 14.40 min Scan# 3612

Delta R.T. -0.01 min

Lab File: VL038035.D

Acq: 16 Nov 2021 11:50

Tgt Ion: 95 Resp: 1701854

Ion Ratio Lower Upper

95 100

174 69.3 55.0 82.6

175 5.2 4.2 6.2

