

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111821\
 Data File : VL038056.D
 Acq On : 18 Nov 2021 16:40
 Operator : SY/AP
 Sample : M4526-01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 E058-1100

Quant Time: Nov 25 21:28:32 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Nov 18 13:16:09 2021
 QLast Update : Thu Nov 18 13:16:09 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	823515	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2508293	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2178675	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1572025	10.00	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.00%

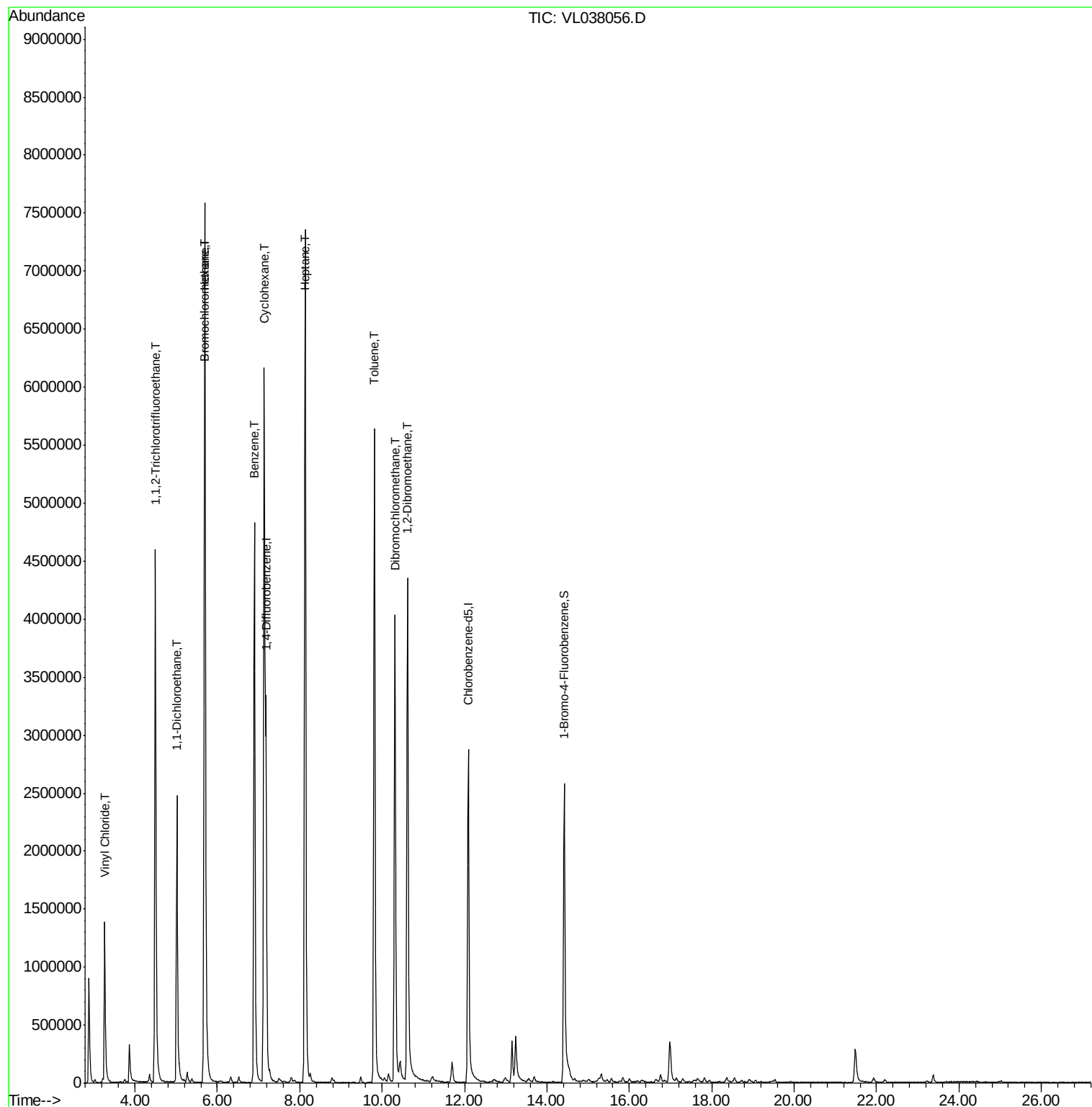
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.27	62	1574132	27.255	ppbv	99
10) Heptane	8.13	43	4138901	26.293	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.49	101	2025697	22.135	ppbv	100
24) 1,1-Dichloroethane	5.02	63	2591285	30.107	ppbv	99
26) Hexane	5.70	57	3838230	33.558	ppbv #	43
30) Cyclohexane	7.14	84	2692771	25.932	ppbv	96
36) Benzene	6.90	78	4814414	19.242	ppbv	98
48) Dibromochloromethane	10.31	129	2992953	19.551	ppbv	98
53) Toluene	9.81	91	5316804	18.469	ppbv	98
54) 1,2-Dibromoethane	10.62	107	4521165	31.842	ppbv	99

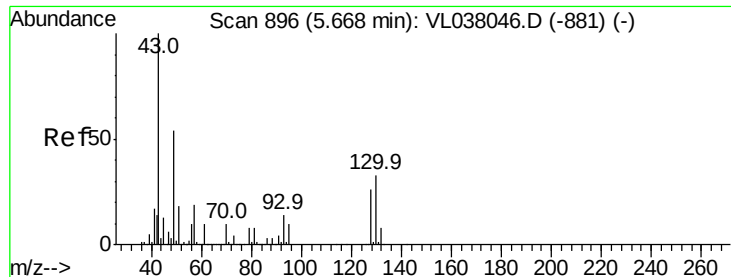
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_L
ClientSampleId :
E058-1100

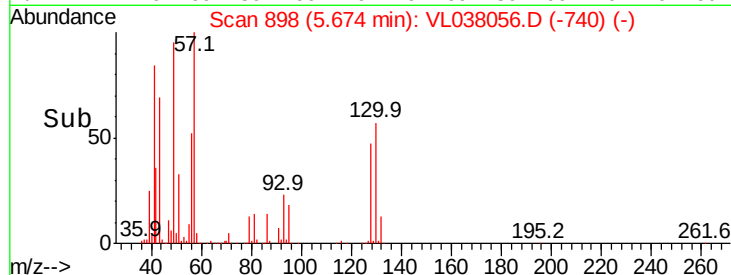
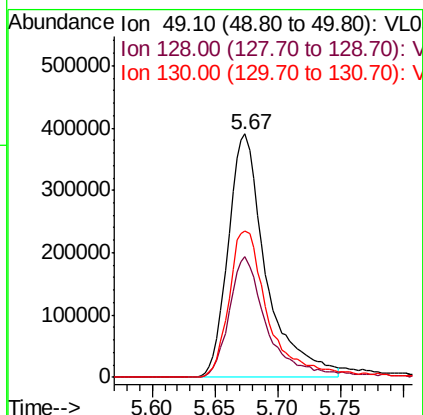
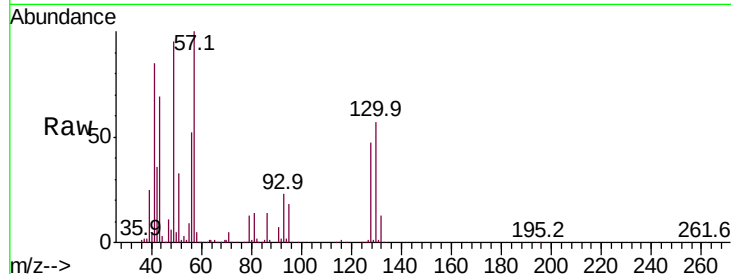
Quant Time: Nov 25 21:28:32 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL111821AIR.M
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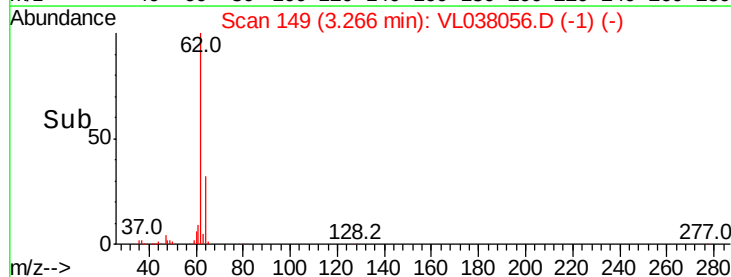
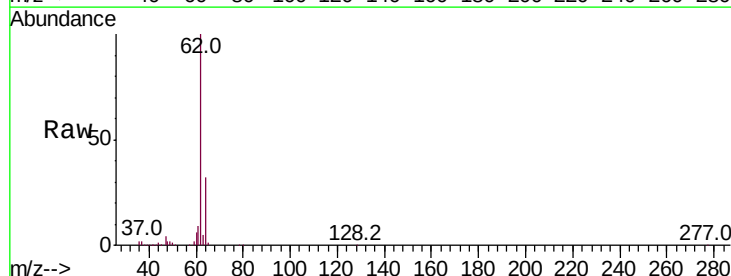
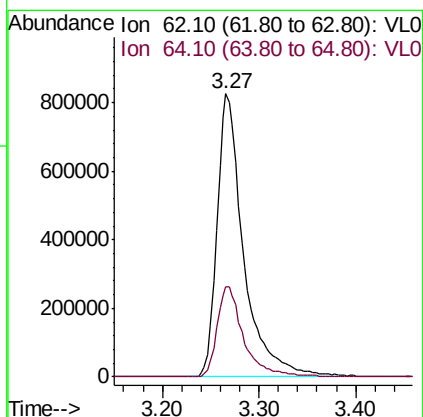
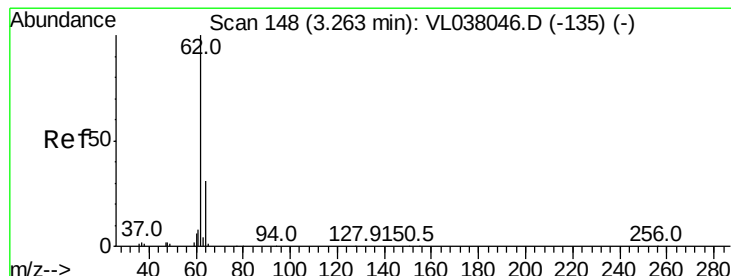
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.67
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 E058-1100
 Acq: 18 Nov 2021 16:40

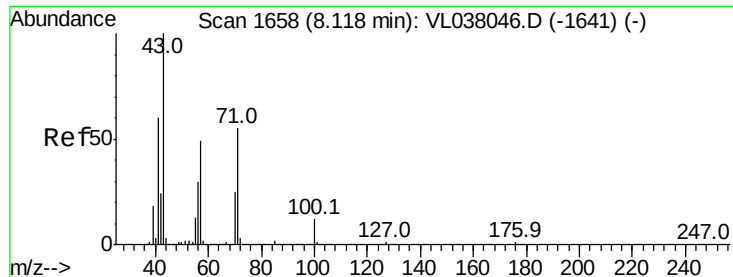
Tot Ion: 49 Resp: 823515
 Ion Ratio Lower Upper
 49 100
 128 51.6 26.5 79.5
 130 65.0 32.5 97.4



#5
 Vinyl Chloride
 Concen: 27.255 ppbv
 RT: 3.27 min Scan# 149
 Delta R.T. 0.00 min
 Lab File: VL038056.D
 Acq: 18 Nov 2021 16:40

Tgt Ion: 62 Resp: 1574132
 Ion Ratio Lower Upper
 62 100
 64 31.9 25.1 37.7





#10

Heptane

Concen: 26.293 ppbv

RT: 8.13 Instrument: MSVOA_1

Delta R.T. 0.01 min

Lab File: ClientSampleId: E058-1100

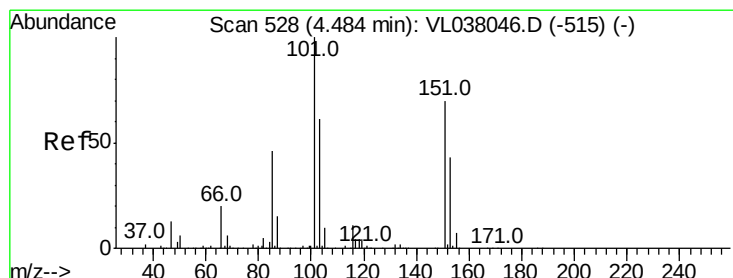
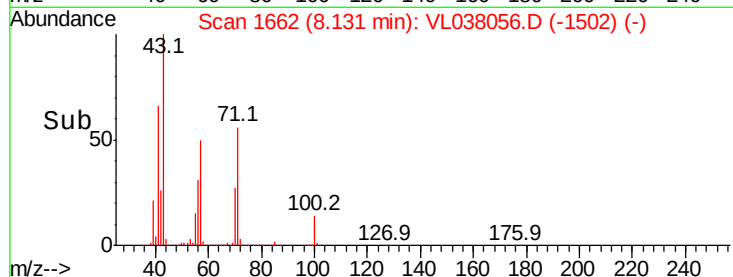
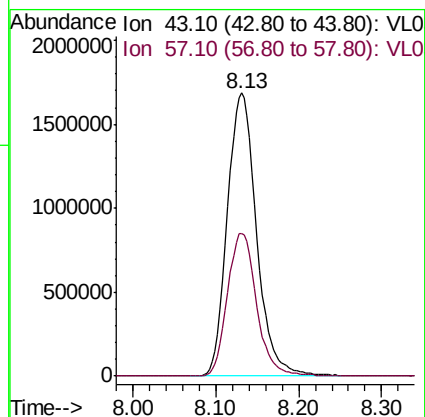
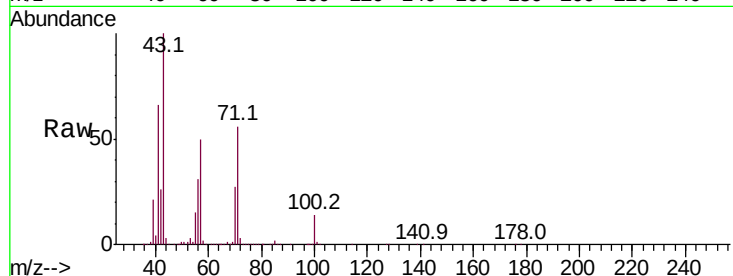
Acq: 18 Nov 2021 16:40

Tot Ion: 43 Resp: 4138901

Ion Ratio Lower Upper

43 100

57 50.8 40.4 60.6



#12

1,1,2-Trichlorotrifluoroethane

Concen: 22.135 ppbv

RT: 4.49 min Scan# 531

Delta R.T. 0.01 min

Lab File: VL038056.D

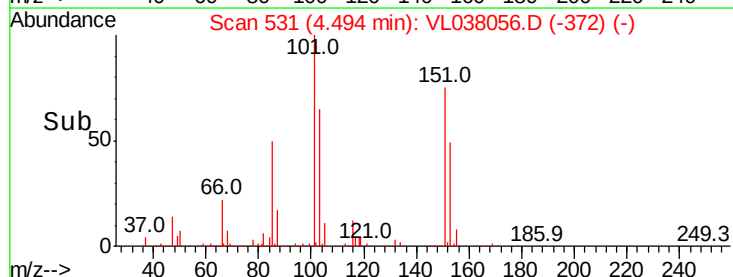
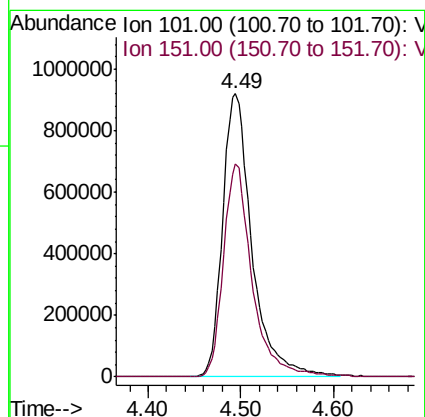
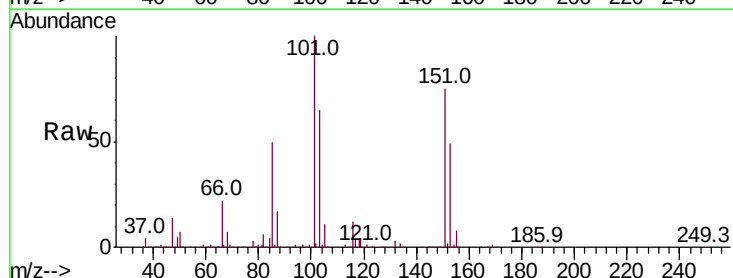
Acq: 18 Nov 2021 16:40

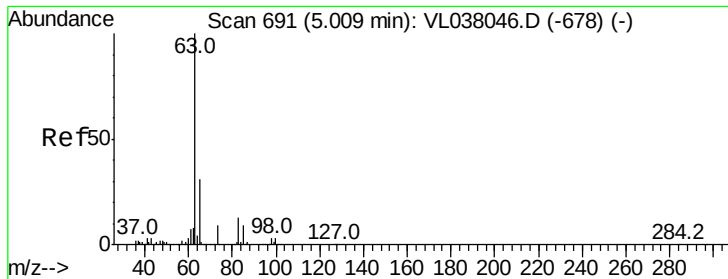
Tgt Ion: 101 Resp: 2025697

Ion Ratio Lower Upper

101 100

151 73.7 59.0 88.4





#24

1,1-Dichloroethane

Concen: 30.107 ppbv

RT: 5.02

Delta R.T. MSVOA_1

Lab File: ClientSampleId :

E058-1100

Acq: 18 Nov 2021 16:40

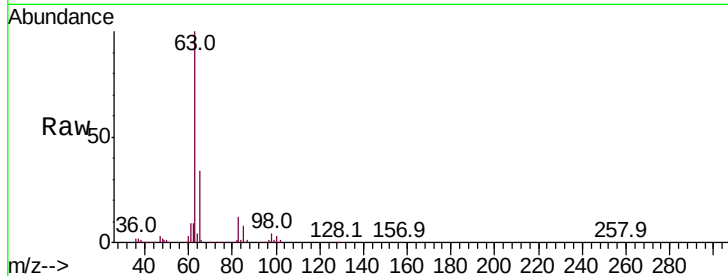
Tot Ion: 63 Resp: 2591285

Ion Ratio Lower Upper

63 100

98 4.3 1.8 5.4

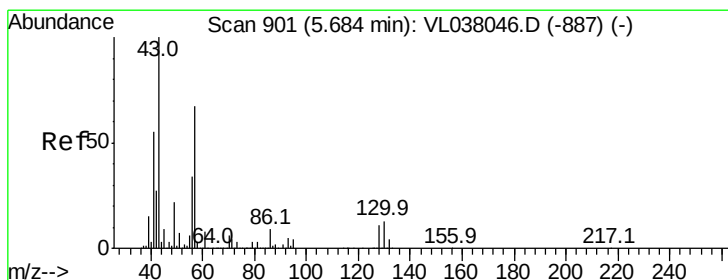
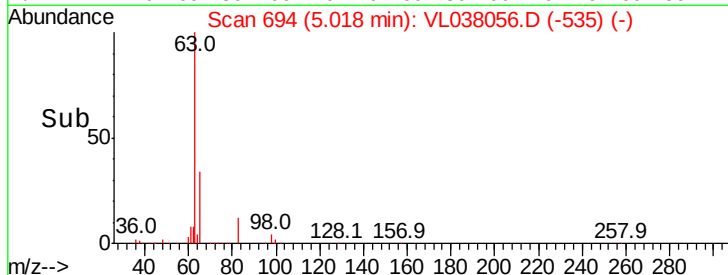
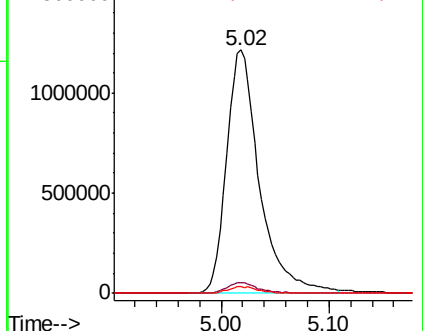
100 2.7 1.4 4.0



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



#26

Hexane

Concen: 33.558 ppbv

RT: 5.70 min Scan# 905

Delta R.T. 0.01 min

Lab File: VL038056.D

Acq: 18 Nov 2021 16:40

Tgt Ion: 57 Resp: 3838230

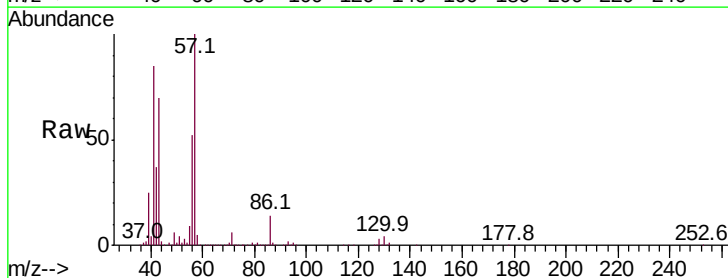
Ion Ratio Lower Upper

57 100

41 85.1 71.4 107.2

43 70.1 174.6 261.8#

56 52.7 43.2 64.8

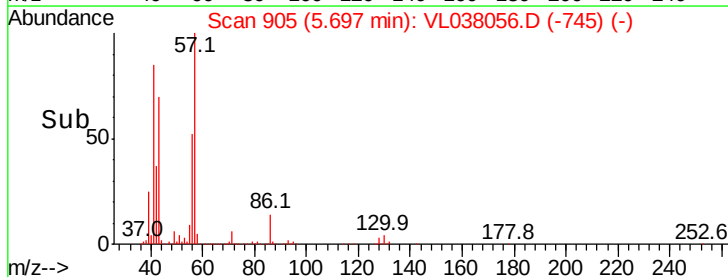
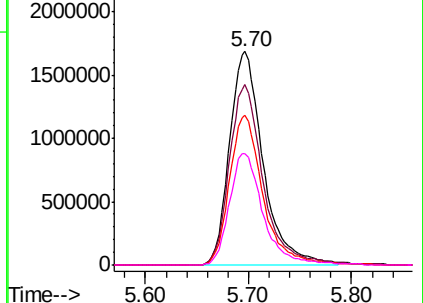


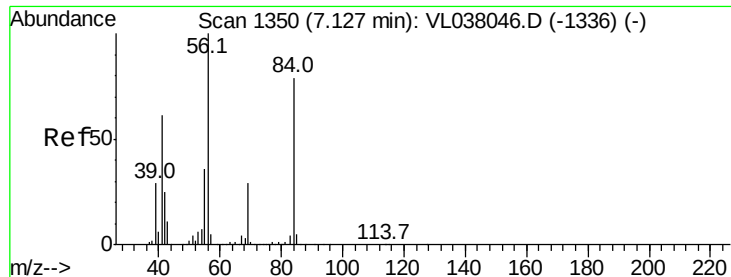
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

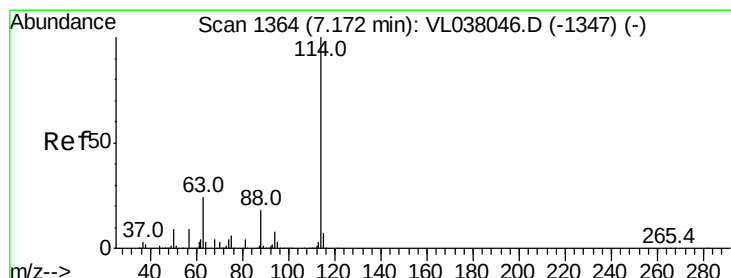
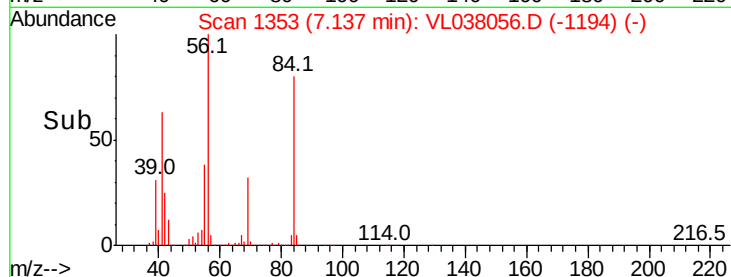
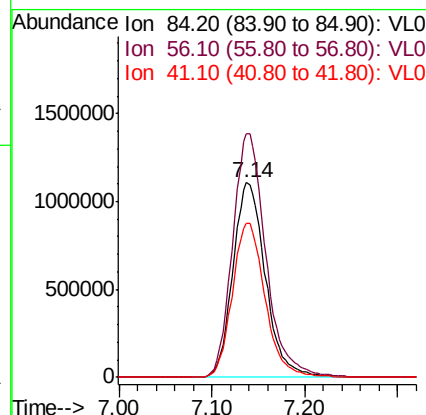
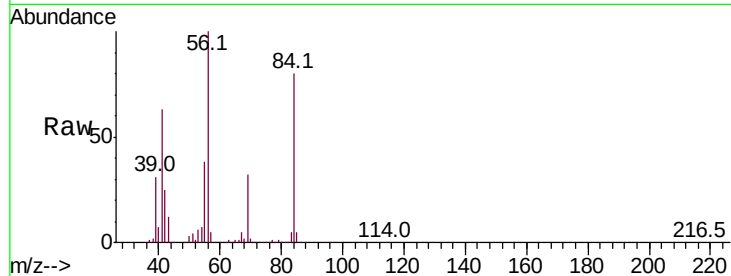




#30
Cvclohexane
Concen: 25.932 ppbv
RT: 7.14
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 18 Nov 2021 16:40

Tot Ion: 84 Resp: 2692771

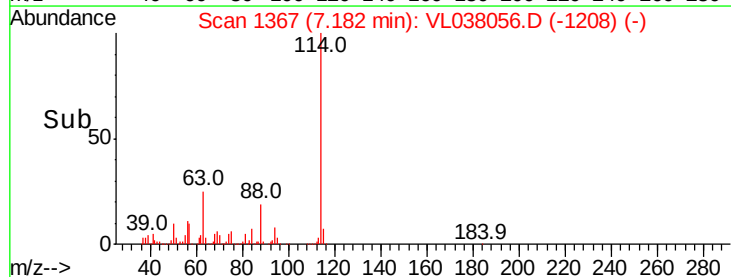
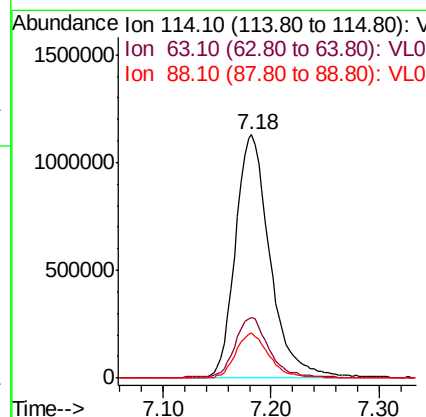
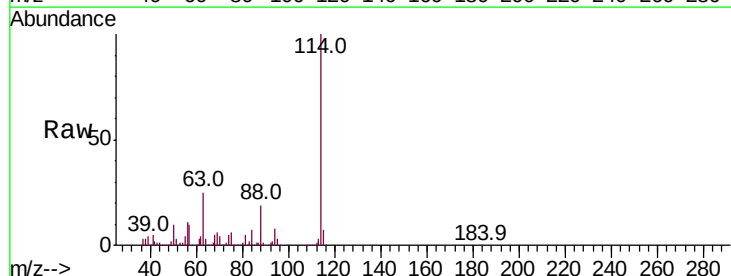
Ion	Ratio	Lower	Upper
84	100		
56	128.3	108.1	162.1
41	79.7	64.4	96.6

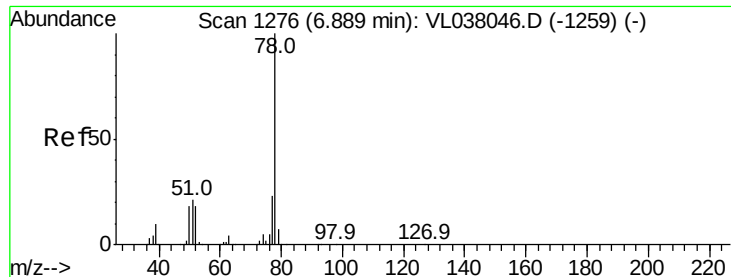


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1367
Delta R.T.: 0.01 min
Lab File: VL038056.D
Acq: 18 Nov 2021 16:40

Tgt Ion: 114 Resp: 2508293

Ion	Ratio	Lower	Upper
114	100		
63	25.7	19.7	29.5
88	18.4	14.4	21.6





#36

Benzene

Concen: 19.242 ppbv

RT: 6.90

Delta R.T. MSVOA_L

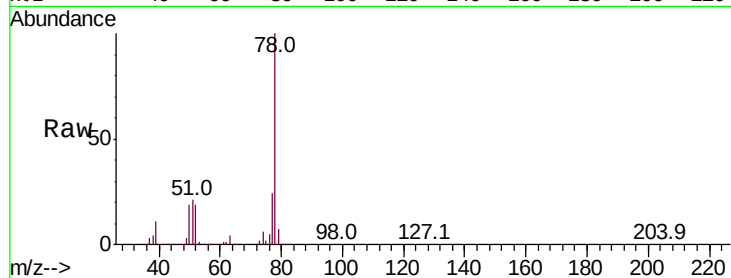
Lab File: ClientSampleId:

E058-1100

Acq: 18 Nov 2021 16:40

Tot Ion: 78 Resp: 4814414

Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.2	27.4
50	19.0	14.7	22.1

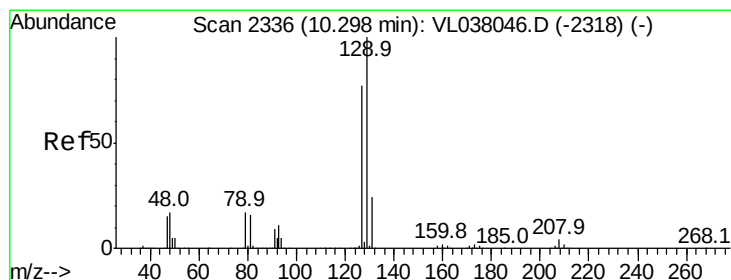
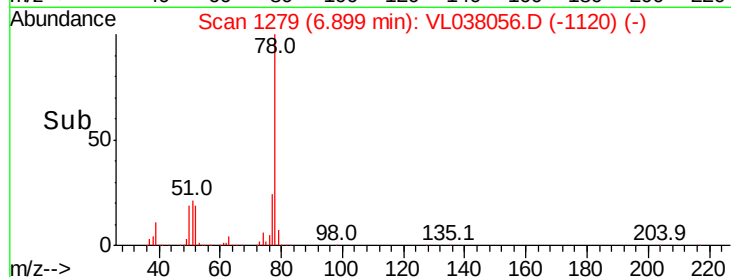
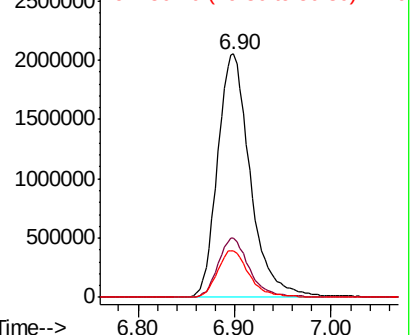


Abundance

Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0



#48

Dibromochloromethane

Concen: 19.551 ppbv

RT: 10.31 min Scan# 2339

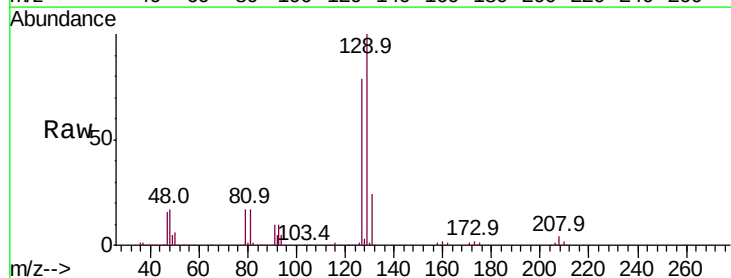
Delta R.T. 0.01 min

Lab File: VL038056.D

Acq: 18 Nov 2021 16:40

Tgt Ion: 129 Resp: 2992953

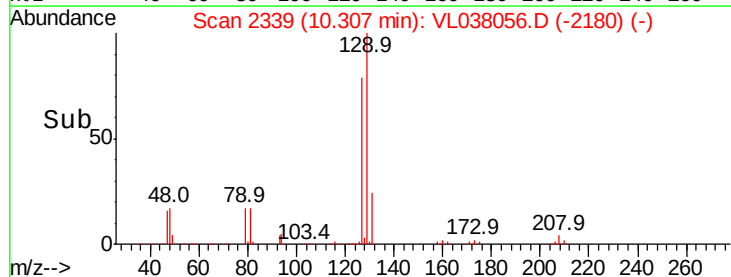
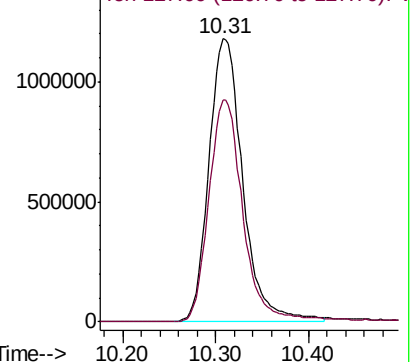
Ion	Ratio	Lower	Upper
129	100		
127	80.5	39.4	118.1

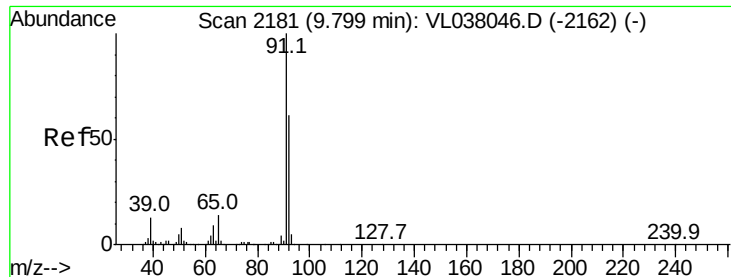


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#53

Toluene

Concen: 18.469 ppbv

RT: 9.81 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

E058-1100

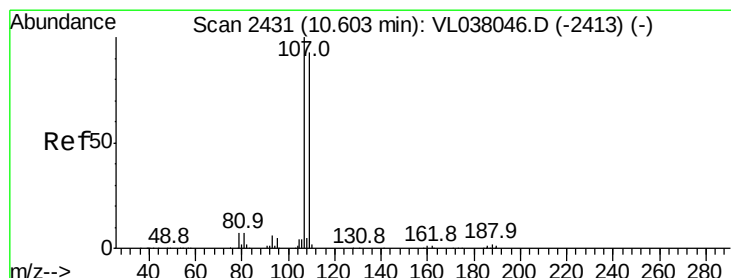
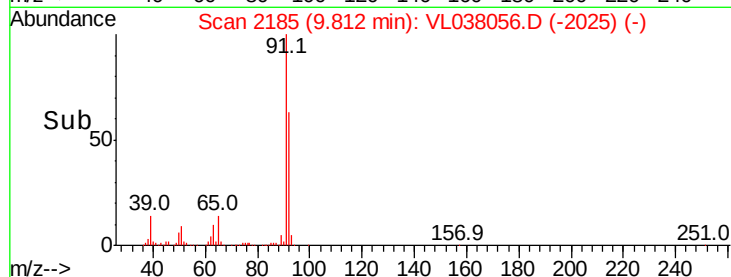
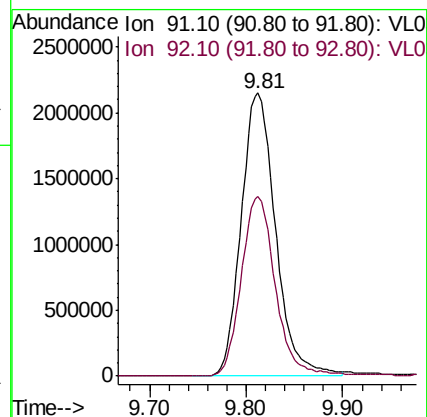
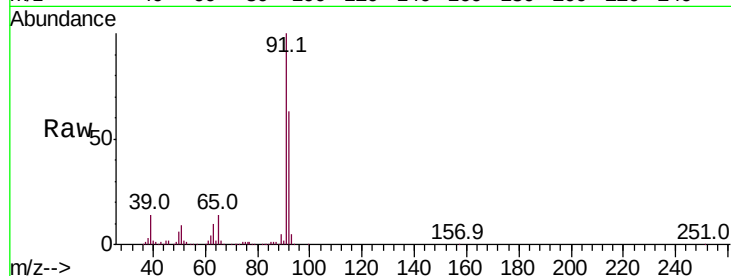
Acq: 18 Nov 2021 16:40

Tot Ion: 91 Resp: 5316804

Ion Ratio Lower Upper

91 100

92 63.4 49.7 74.5



#54

1,2-Dibromoethane

Concen: 31.842 ppbv

RT: 10.62 min Scan# 2435

Delta R.T. 0.01 min

Lab File: VL038056.D

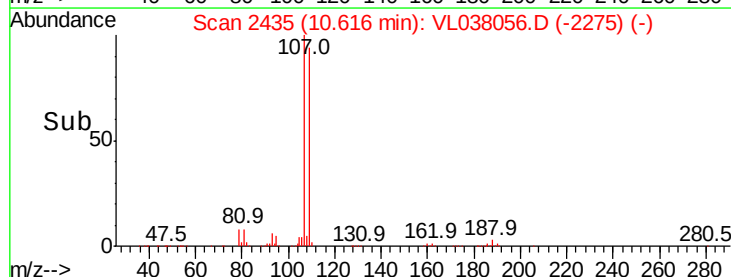
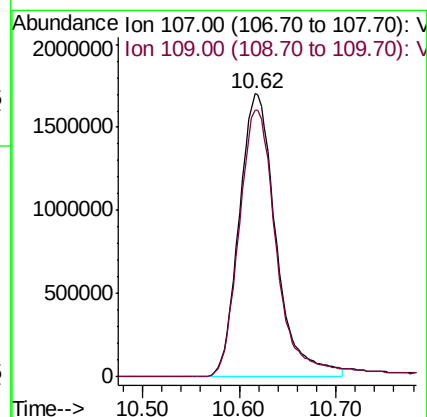
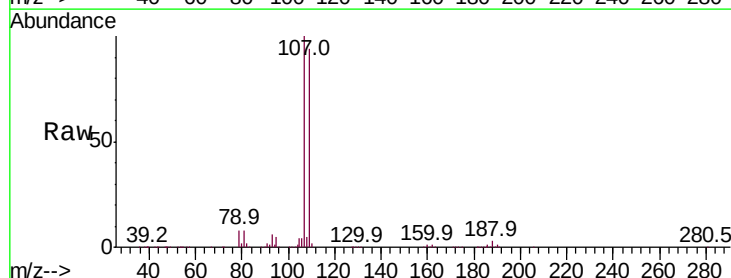
Acq: 18 Nov 2021 16:40

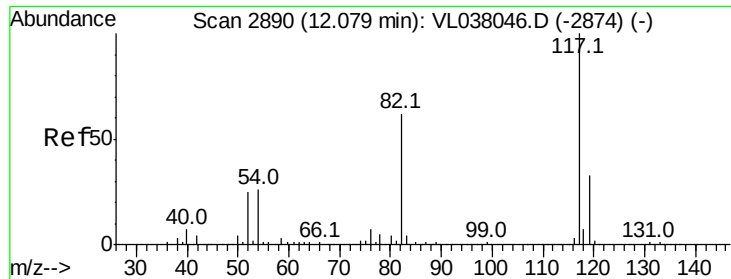
Tgt Ion: 107 Resp: 4521165

Ion Ratio Lower Upper

107 100

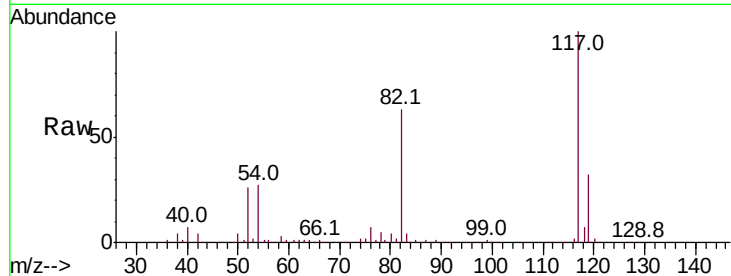
109 94.4 74.6 111.8



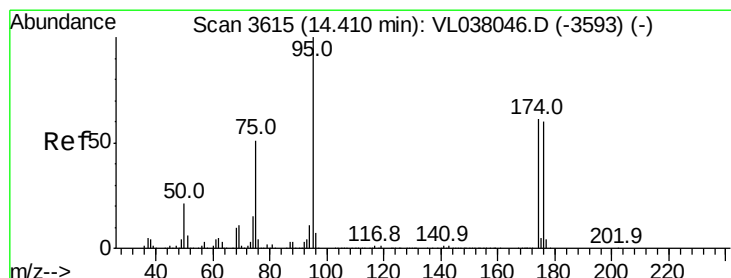
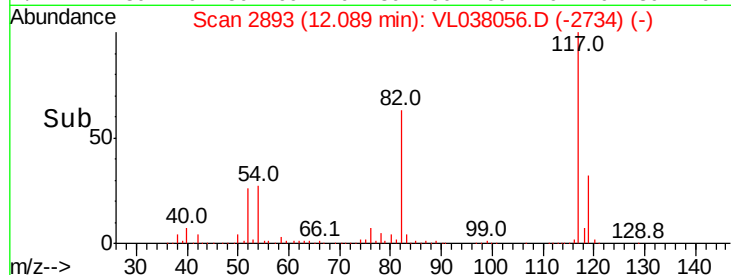
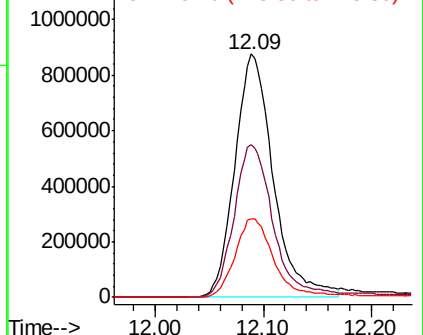


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
E058-1100
Acq: 18 Nov 2021 16:40

Tot Ion: 117 Resp: 2178675
Ion Ratio Lower Upper
117 100
82 67.7 52.8 79.2
119 34.5 26.8 40.2

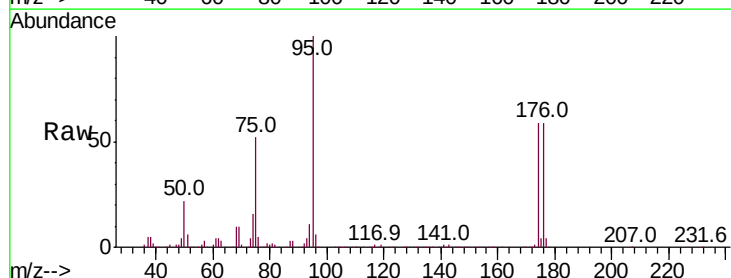


Abundance Ion 117.10 (116.80 to 117.80): V
1200000 Ion 82.10 (81.80 to 82.80): VL0
1000000 Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 10.003 ppbv
RT: 14.42 min Scan# 3617
Delta R.T.: 0.01 min
Lab File: VL038056.D
Acq: 18 Nov 2021 16:40

Tgt Ion: 95 Resp: 1572025
Ion Ratio Lower Upper
95 100
174 67.2 53.1 79.7
175 4.7 4.0 6.0



Abundance Ion 95.10 (94.80 to 95.80): VL0
800000 Ion 174.00 (173.70 to 174.70): V
600000 Ion 175.00 (174.70 to 175.70): V

