

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041422\
 Data File : VL038918.D
 Acq On : 14 Apr 2022 14:58
 Operator : SY/AP
 Sample : VL0414ABL01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 15 08:06:06 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL040522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Apr 06 06:12:53 2022
 QLast Update : Wed Apr 06 06:12:53 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1203328	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	2766404	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.10	117	2377647	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	1961151	10.87	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.70%

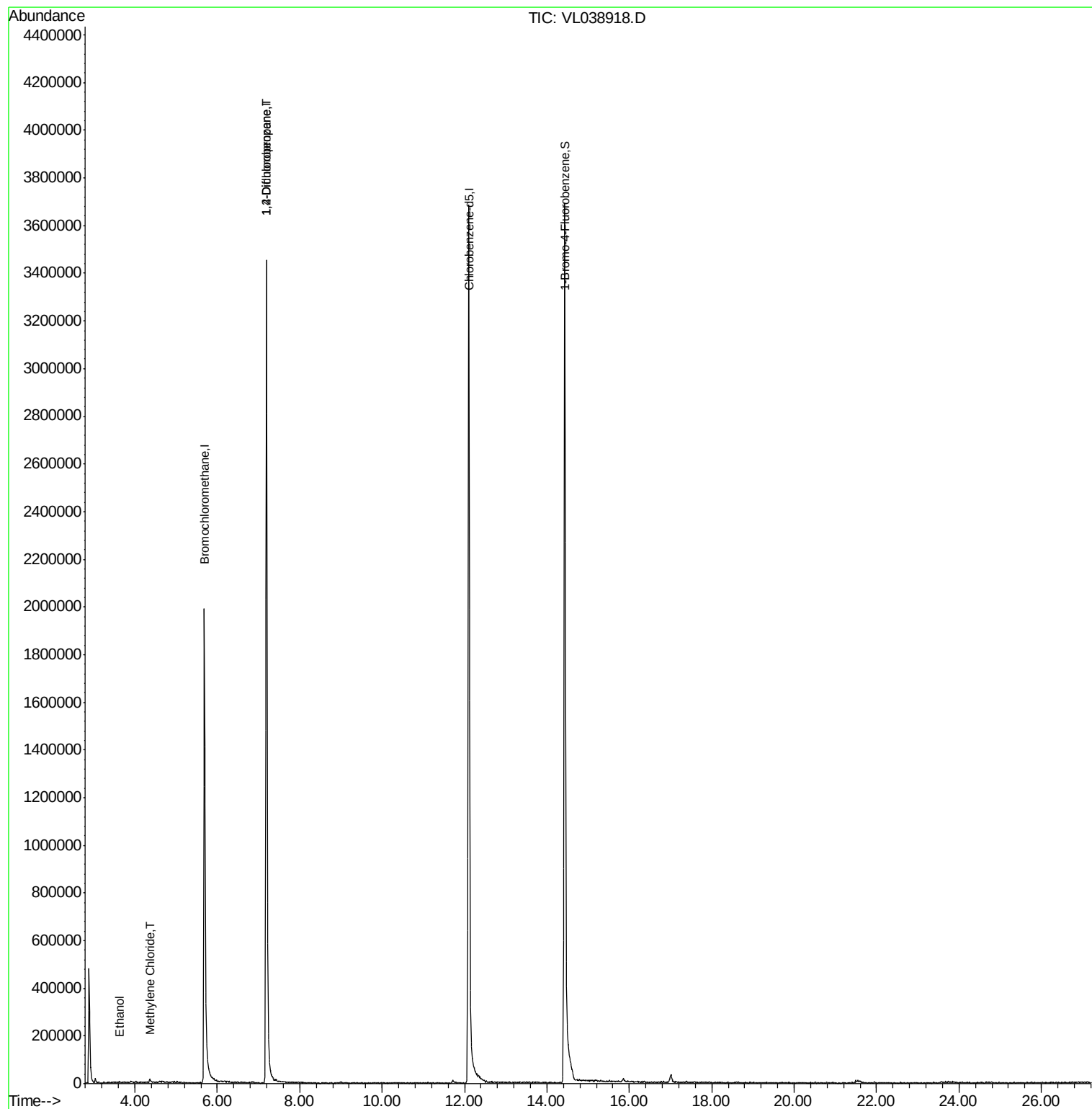
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.62	45	166	0.035	ppbv #	100
20) Methylene Chloride	4.36	84	2529	0.058	ppbv #	88
39) 1,2-Dichloropropane	7.19	63	788122	8.188	ppbv #	28

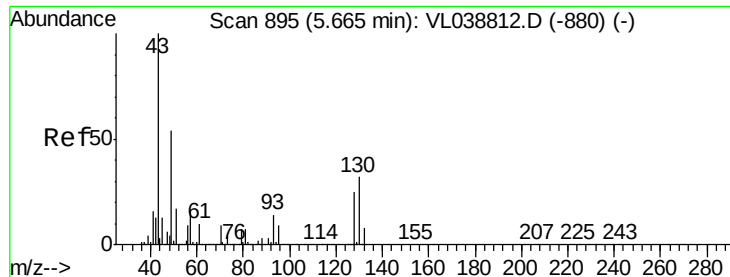
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Apr 2022 14:58

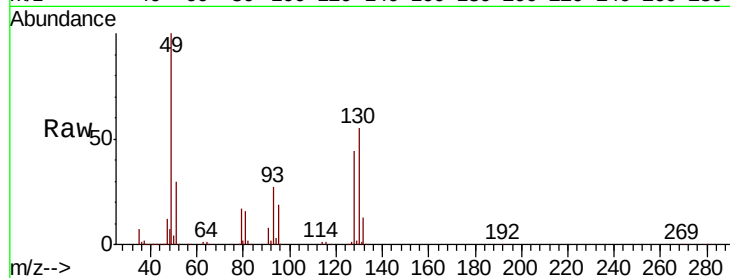
Tot Ion: 49 Resp: 1203328

Ion Ratio Lower Upper

49 100

128 45.6 24.1 72.3

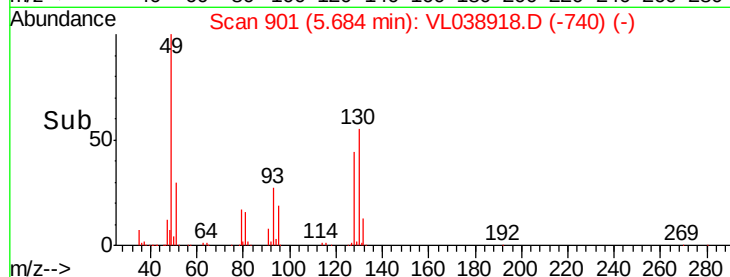
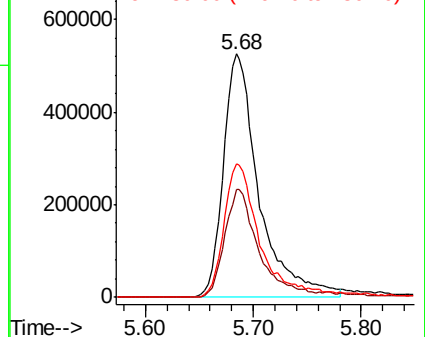
130 57.7 30.9 92.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#13

Ethanol

Concen: 0.035 ppbv

RT: 3.62 min Scan# 259

Delta R.T. 0.02 min

Lab File: VL038918.D

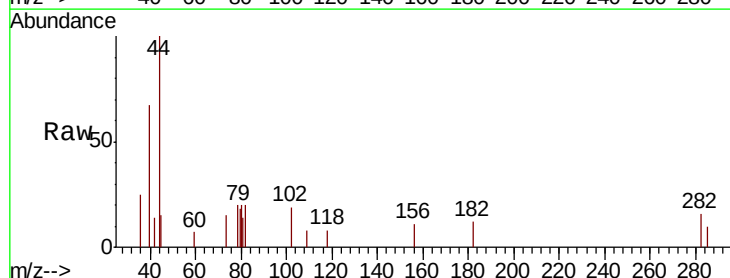
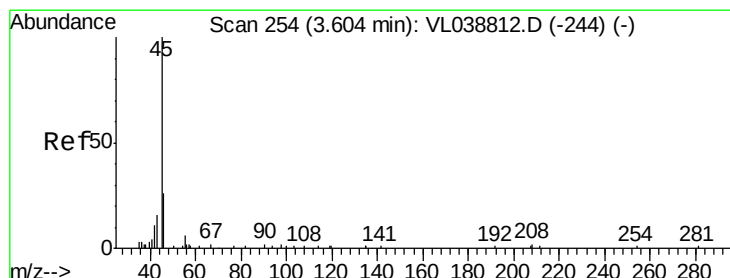
Acq: 14 Apr 2022 14:58

Tgt Ion: 45 Resp: 166

Ion Ratio Lower Upper

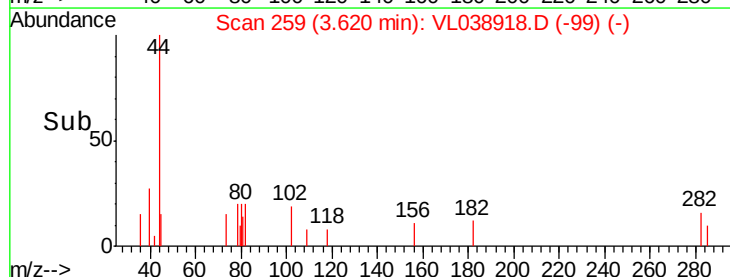
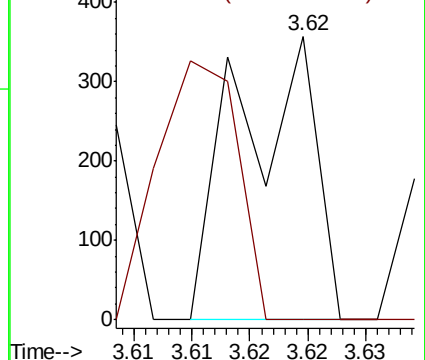
45 100

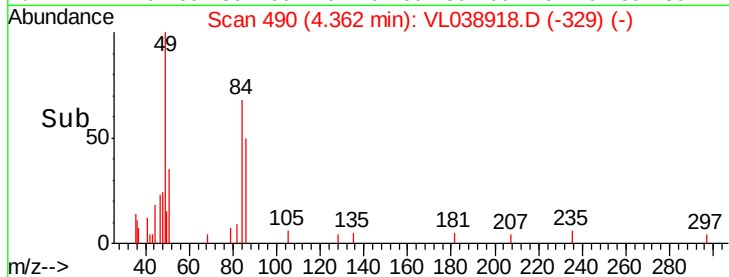
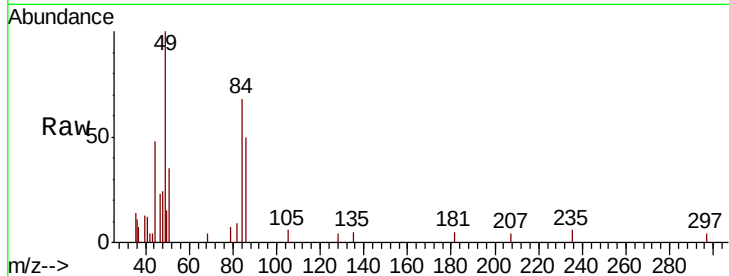
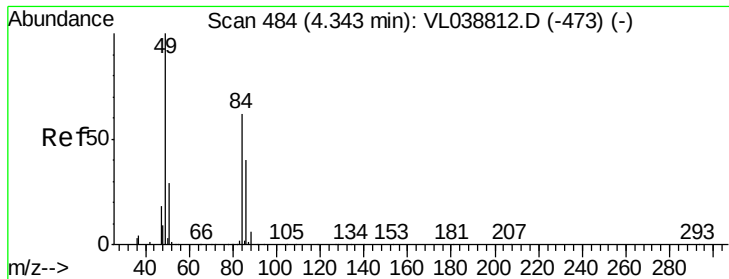
46 136.1 0.0 0.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

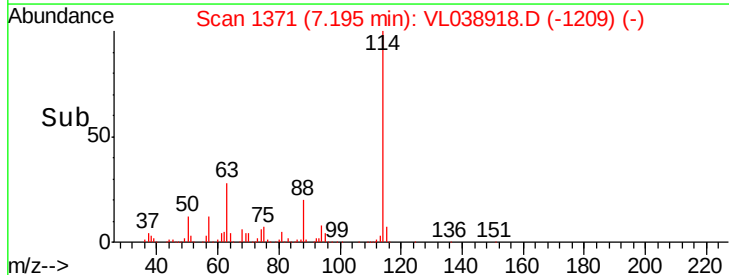
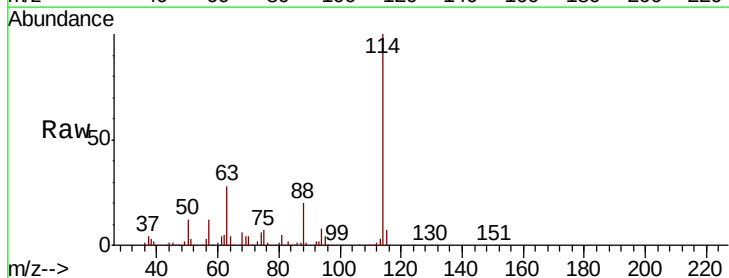
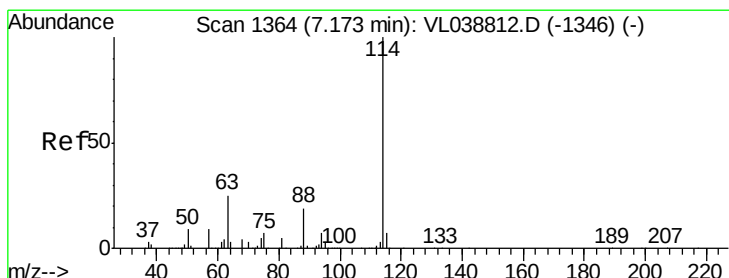
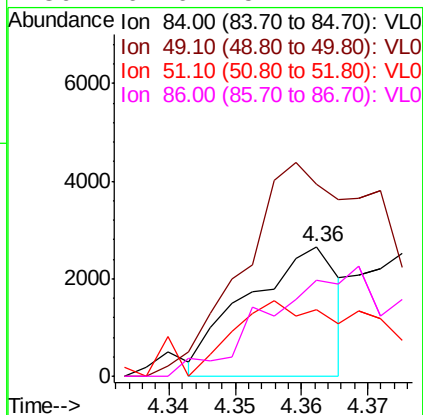
Ion 46.10 (45.80 to 46.80): VL0





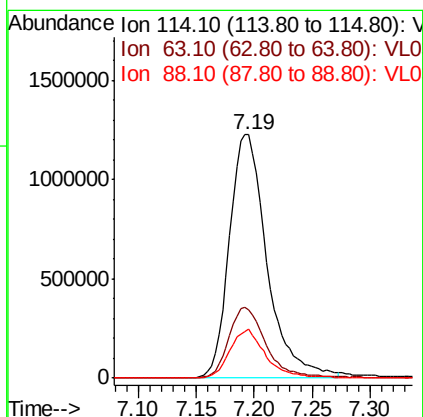
#20
Methylene Chloride
Concen: 0.058 ppbv
RT: 4.36
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 14 Apr 2022 14:58

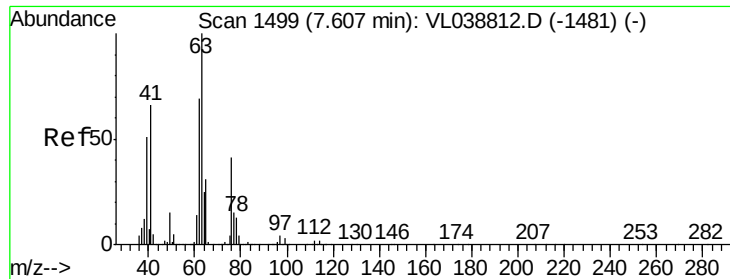
Tot Ion	84	Resp	2529
Ion Ratio	Lower	Upper	
84	100		
49	144.0	129.4	194.0
51	57.5	37.4	56.2#
86	67.6	51.4	77.2



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1371
Delta R.T. 0.02 min
Lab File: VL038918.D
Acq: 14 Apr 2022 14:58

Tgt Ion	114	Resp	2766404
Ion Ratio	Lower	Upper	
114	100		
63	29.3	19.8	29.8
88	19.3	14.2	21.4





#39

1,2-Dichloropropane

Concen: 8.188 ppbv

RT: 7.19 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Apr 2022 14:58

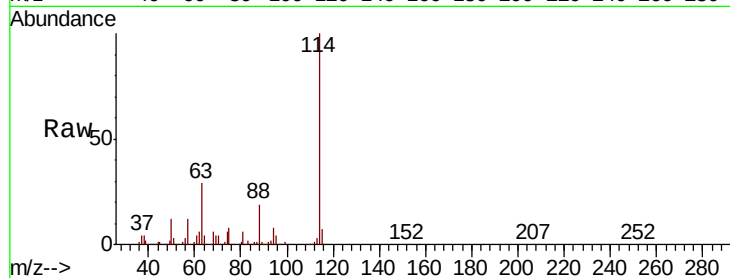
Tot Ion: 63 Resp: 788122

Ion Ratio Lower Upper

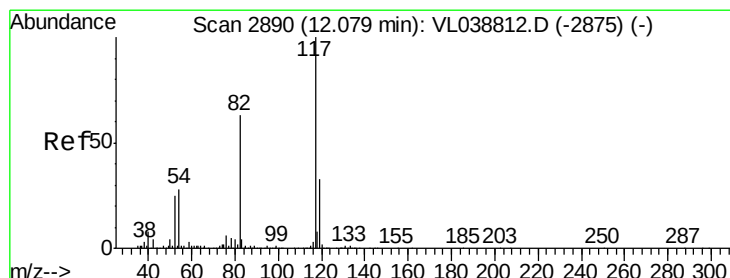
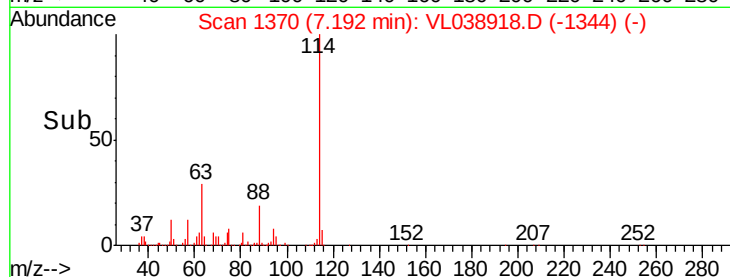
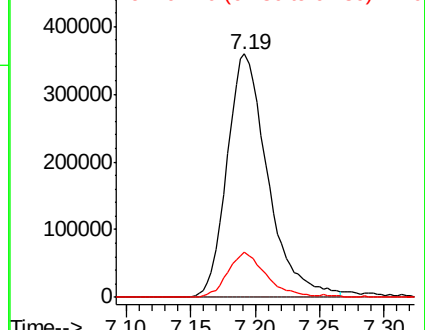
63 100

41 0.1 53.0 79.6#

62 18.8 55.0 82.4#



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2897

Delta R.T. 0.02 min

Lab File: VL038918.D

Acq: 14 Apr 2022 14:58

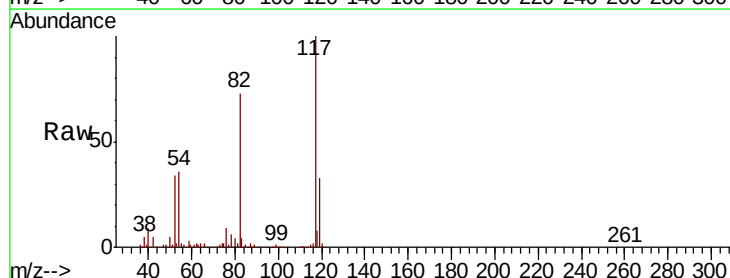
Tgt Ion: 117 Resp: 2377647

Ion Ratio Lower Upper

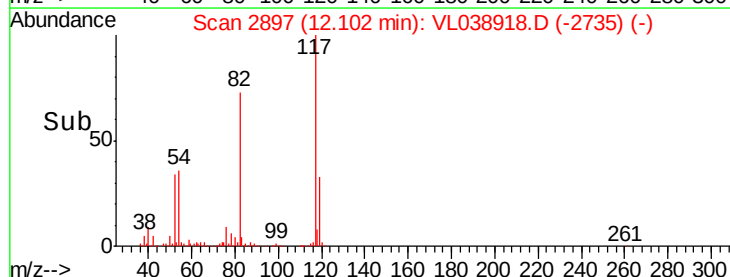
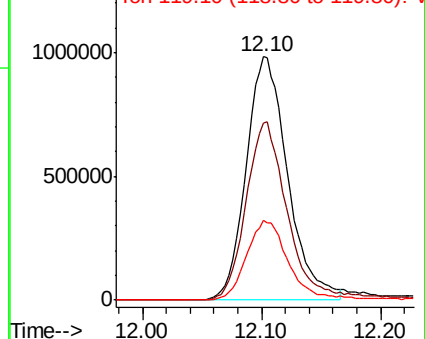
117 100

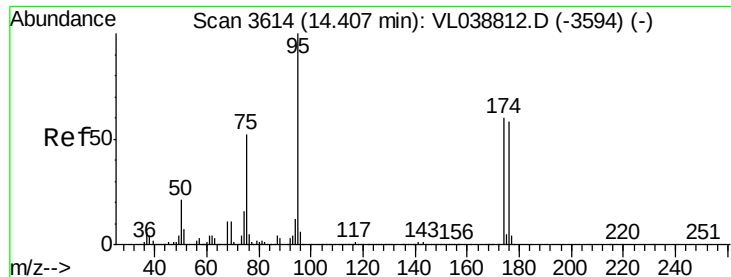
82 74.7 53.0 79.6

119 33.4 24.9 37.3



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: 10.874 ppbv

RT: 14.43

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 14 Apr 2022 14:38

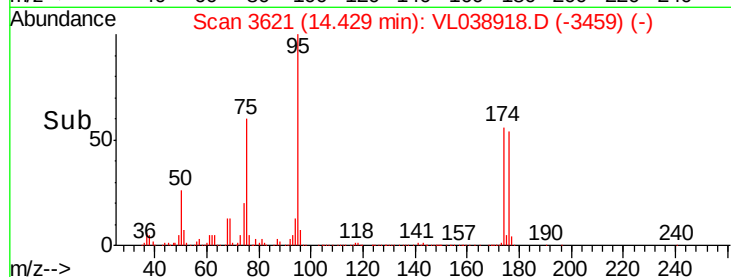
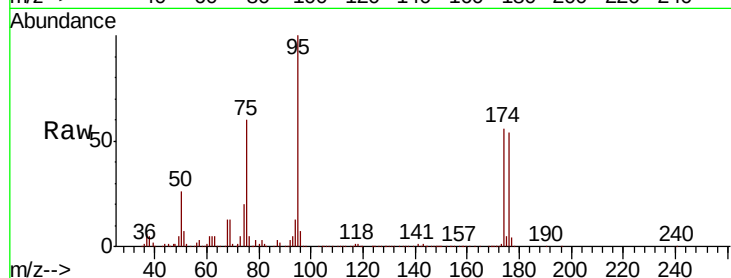
Tot Ion: 95 Resp: 1961151

Ion Ratio Lower Upper

95 100

174 63.8 52.0 78.0

175 4.4 4.0 6.0



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

