

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030422\
 Data File : VL038550.D
 Acq On : 5 Mar 2022 1:07
 Operator : SY/AP
 Sample : CAN 10297
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 05 05:00:46 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022222AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Feb 22 19:45:51 2022
 QLast Update : Tue Feb 22 19:45:51 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	880425	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.14	114	2051379	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.04	117	1761220	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.37	95	1369878	9.40	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.00%

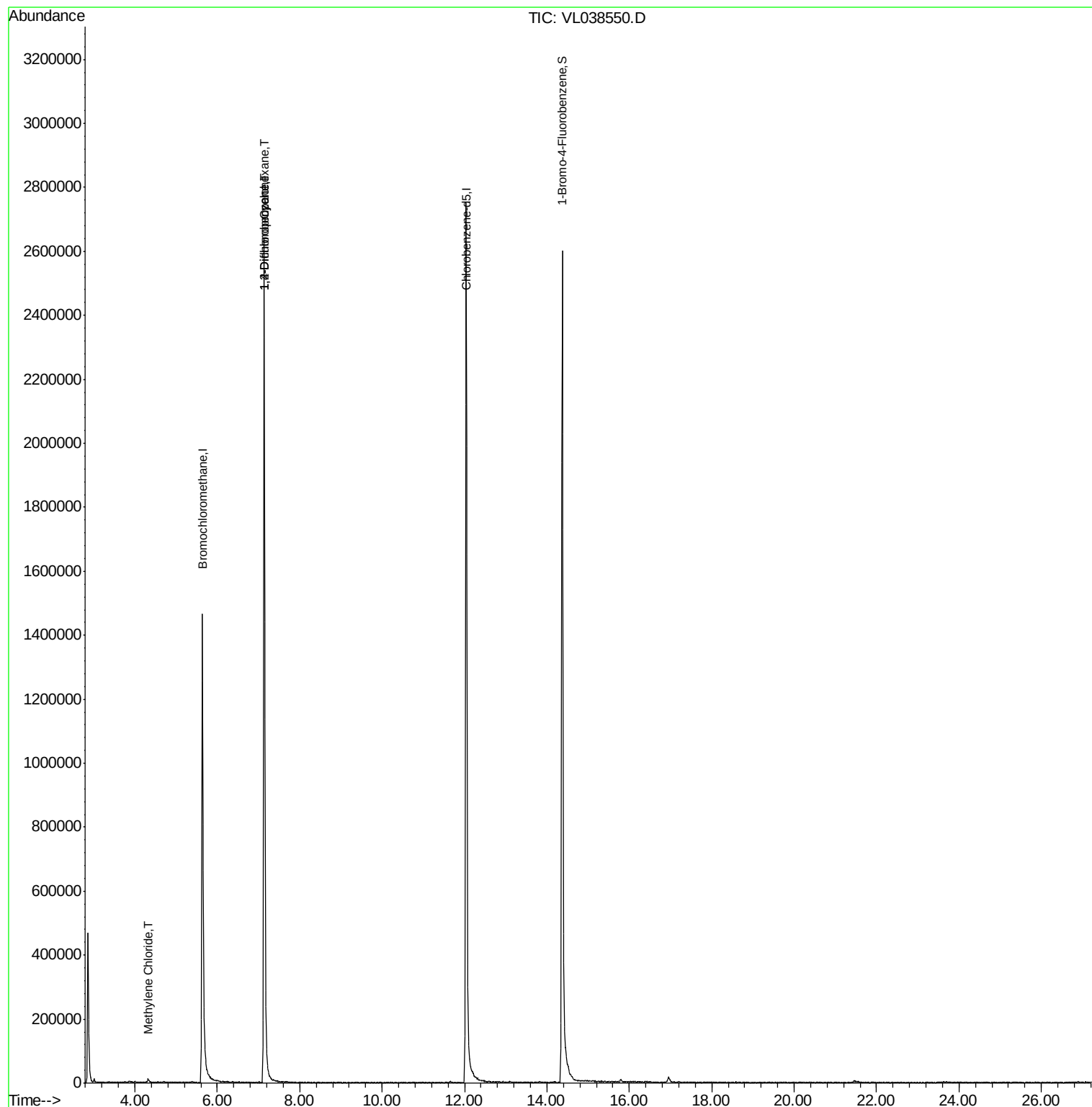
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
20) Methylene Chloride	4.32	84	2380	0.064	ppbv #	85
30) Cyclohexane	7.12	84	3548	0.048	ppbv #	1
39) 1,2-Dichloropropane	7.14	63	585781	8.144	ppbv #	25

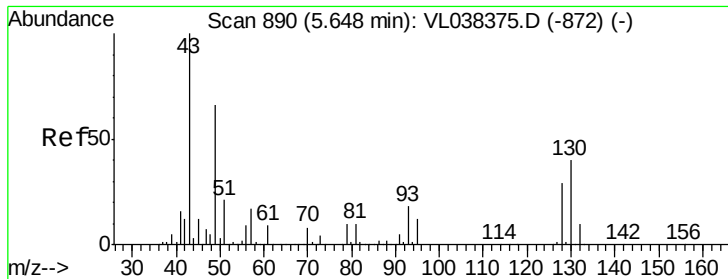
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 Instrument:

Delta R.T. MSVOA_L

Lab File:

Acq: 5 Mar 2022 1:07

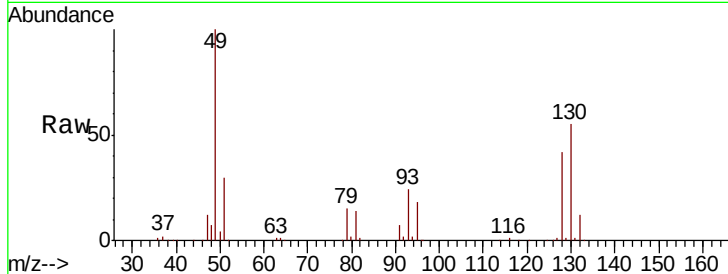
Tot Ion: 49 Resp: 880425

Ion Ratio Lower Upper

49 100

128 46.2 24.3 72.9

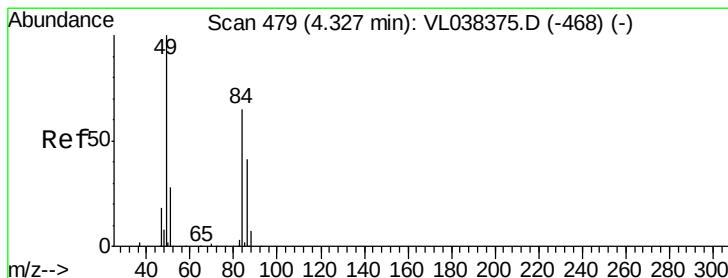
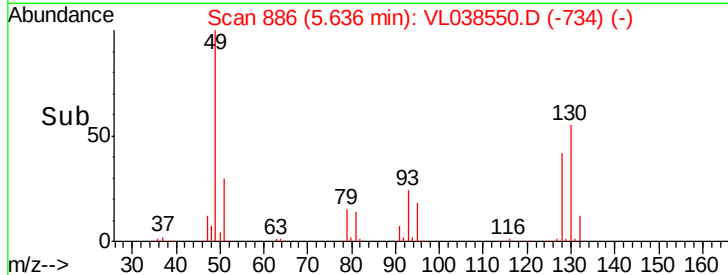
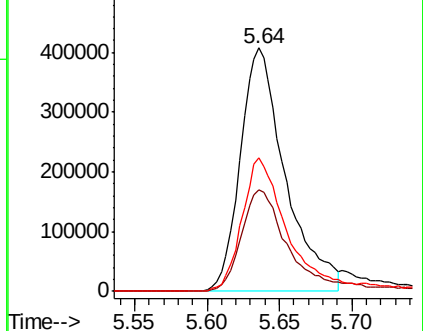
130 57.0 30.1 90.5



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#20

Methylene Chloride

Concen: 0.064 ppbv

RT: 4.32 min Scan# 478

Delta R.T. -0.00 min

Lab File: VL038550.D

Acq: 5 Mar 2022 1:07

Tgt Ion: 84 Resp: 2380

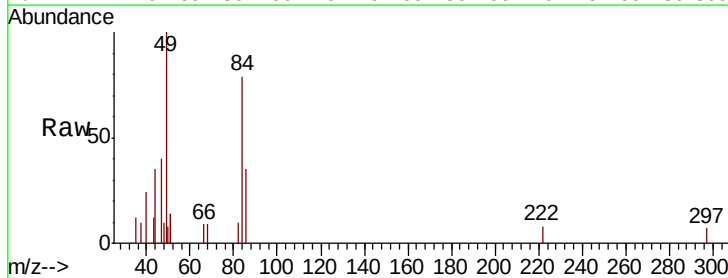
Ion Ratio Lower Upper

84 100

49 136.3 122.4 183.6

51 35.4 33.3 49.9

86 44.7 50.7 76.1#

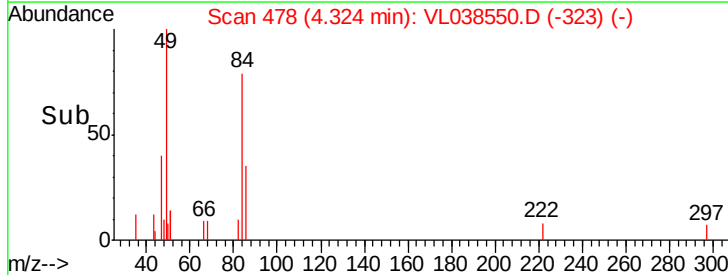
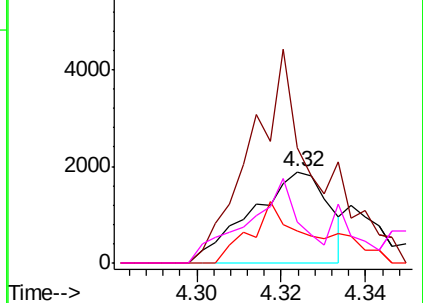


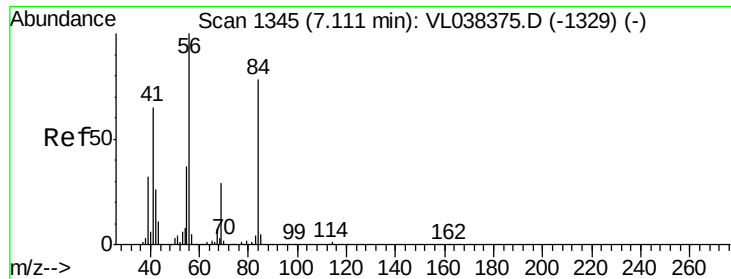
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

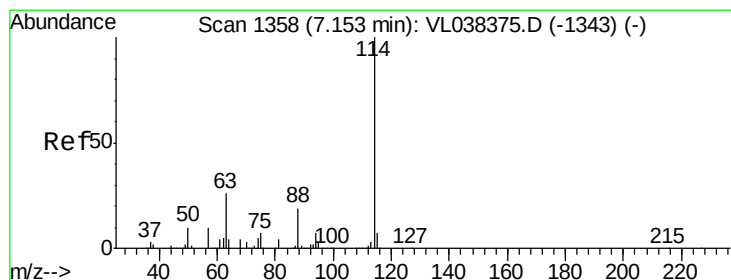
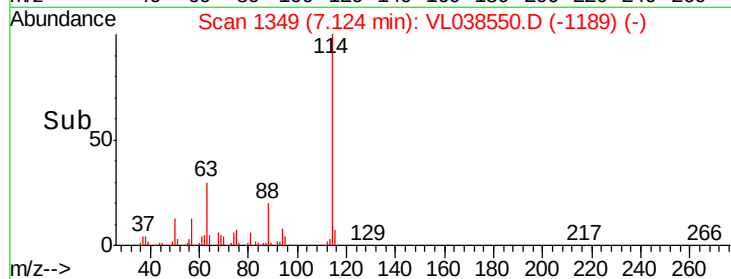
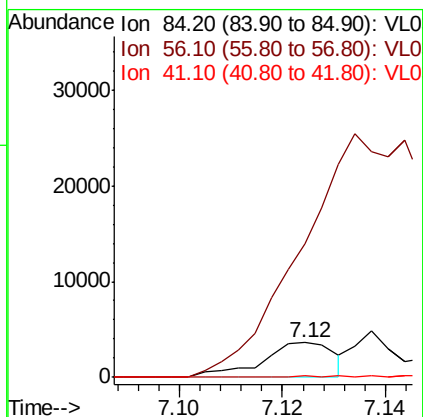
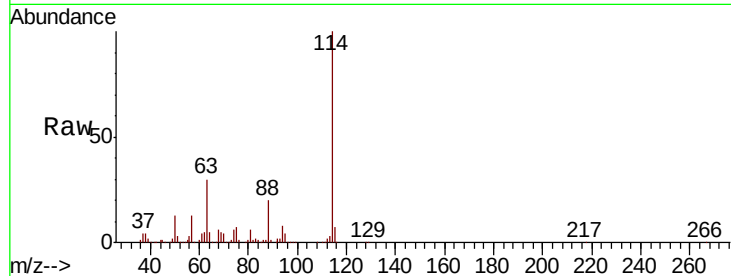
Ion 86.00 (85.70 to 86.70): VL0





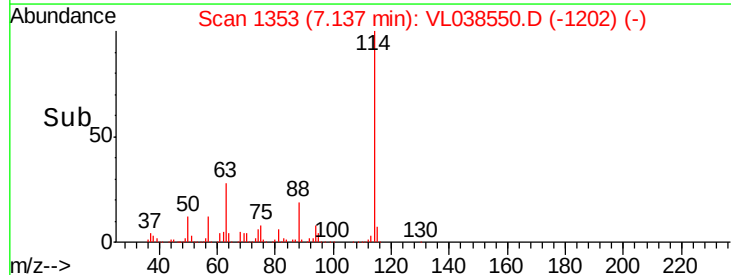
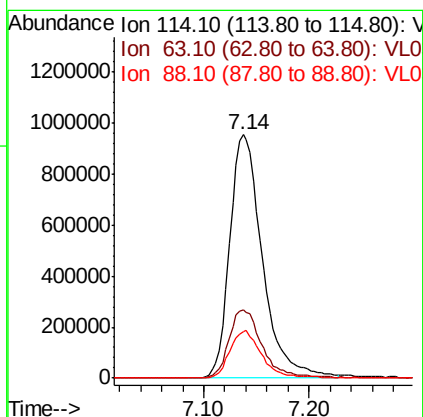
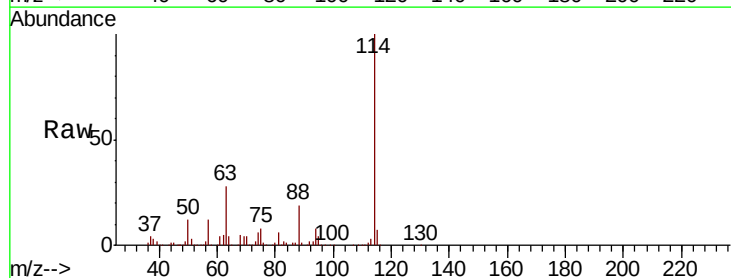
#30
Cyclohexane
Concen: 0.048 ppbv
RT: 7.12 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 5 Mar 2022 1:07

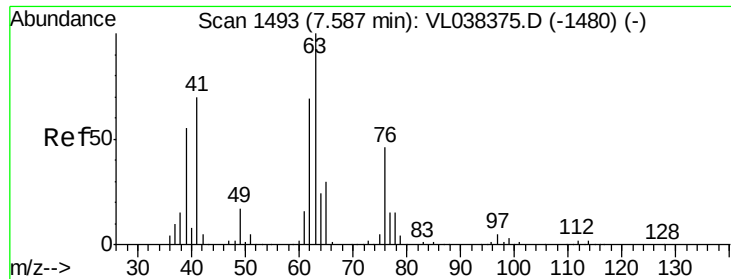
Tot Ion	Ratio	Lower	Upper
84	100		
56	0.0	116.2	174.4#
41	1.0	74.3	111.5#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. -0.02 min
Lab File: VL038550.D
Acq: 5 Mar 2022 1:07

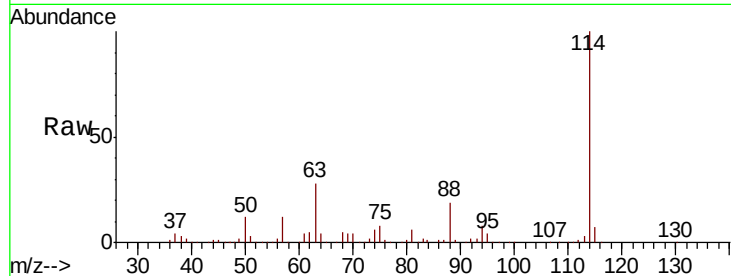
Tgt Ion	Ratio	Lower	Upper
114	100		
63	28.9	22.2	33.2
88	19.3	15.2	22.8



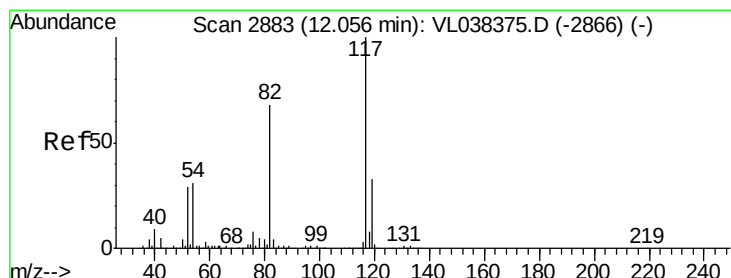
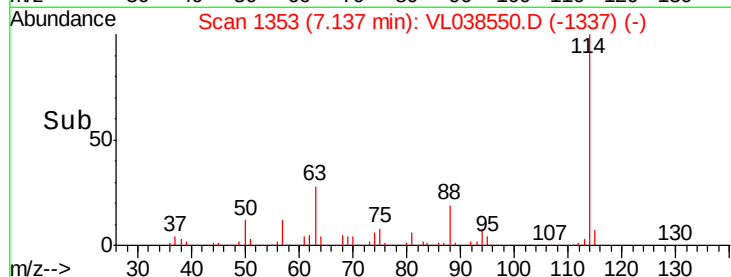
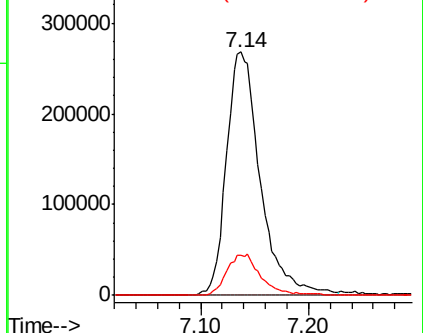


#39
 1,2-Dichloropropane
 Concen: 8.144 ppbv
 RT: 7.14
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 5 Mar 2022 1:07

Tot Ion	Ratio	Lower	Upper
63	100		
41	0.1	56.1	84.1#
62	16.2	55.5	83.3#

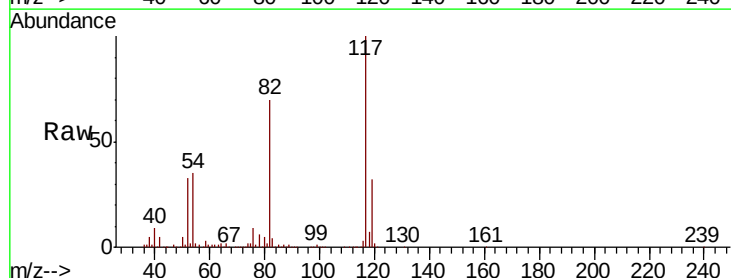


Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0

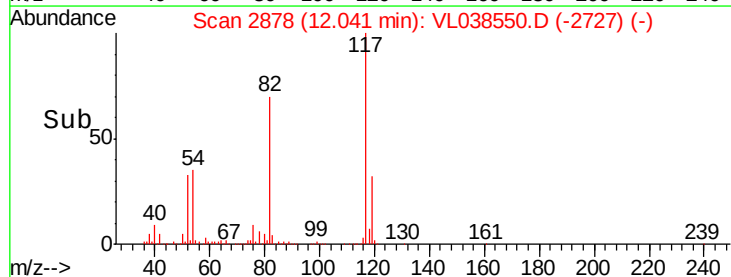
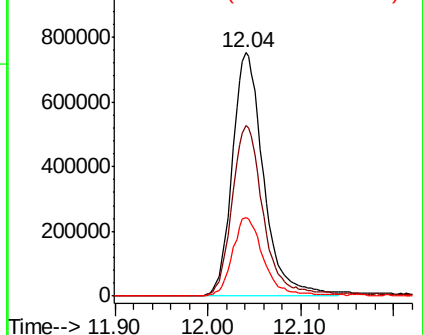


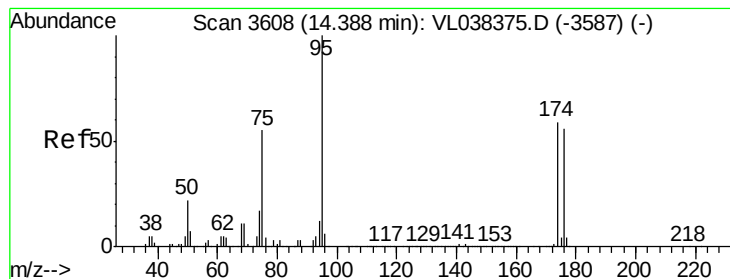
#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.04 min Scan# 2878
 Delta R.T. -0.02 min
 Lab File: VL038550.D
 Acq: 5 Mar 2022 1:07

Tgt Ion	Ratio	Lower	Upper
117	100		
82	73.0	54.9	82.3
119	32.9	46.1	69.1#



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: 9.400 ppbv

RT: 14.37

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

Acq: 5 Mar 2022 1:07

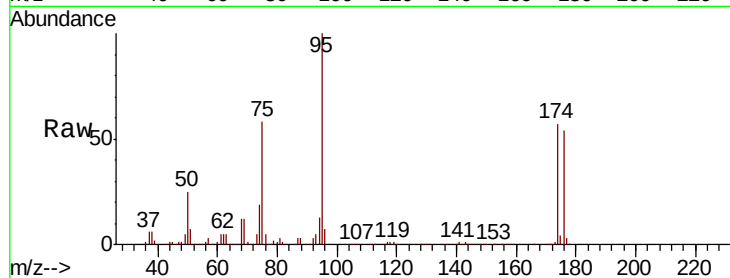
Tot Ion: 95 Resp: 1369878

Ion Ratio Lower Upper

95 100

174 59.2 49.0 73.4

175 4.3 3.6 5.4



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

