

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030422\
 Data File : VL038545.D
 Acq On : 4 Mar 2022 22:02
 Operator : SY/AP
 Sample : CAN 10592
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 05 05:00:11 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	912257	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.14	114	2081404	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.04	117	1788926	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.37	95	1405632	9.50	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.00%

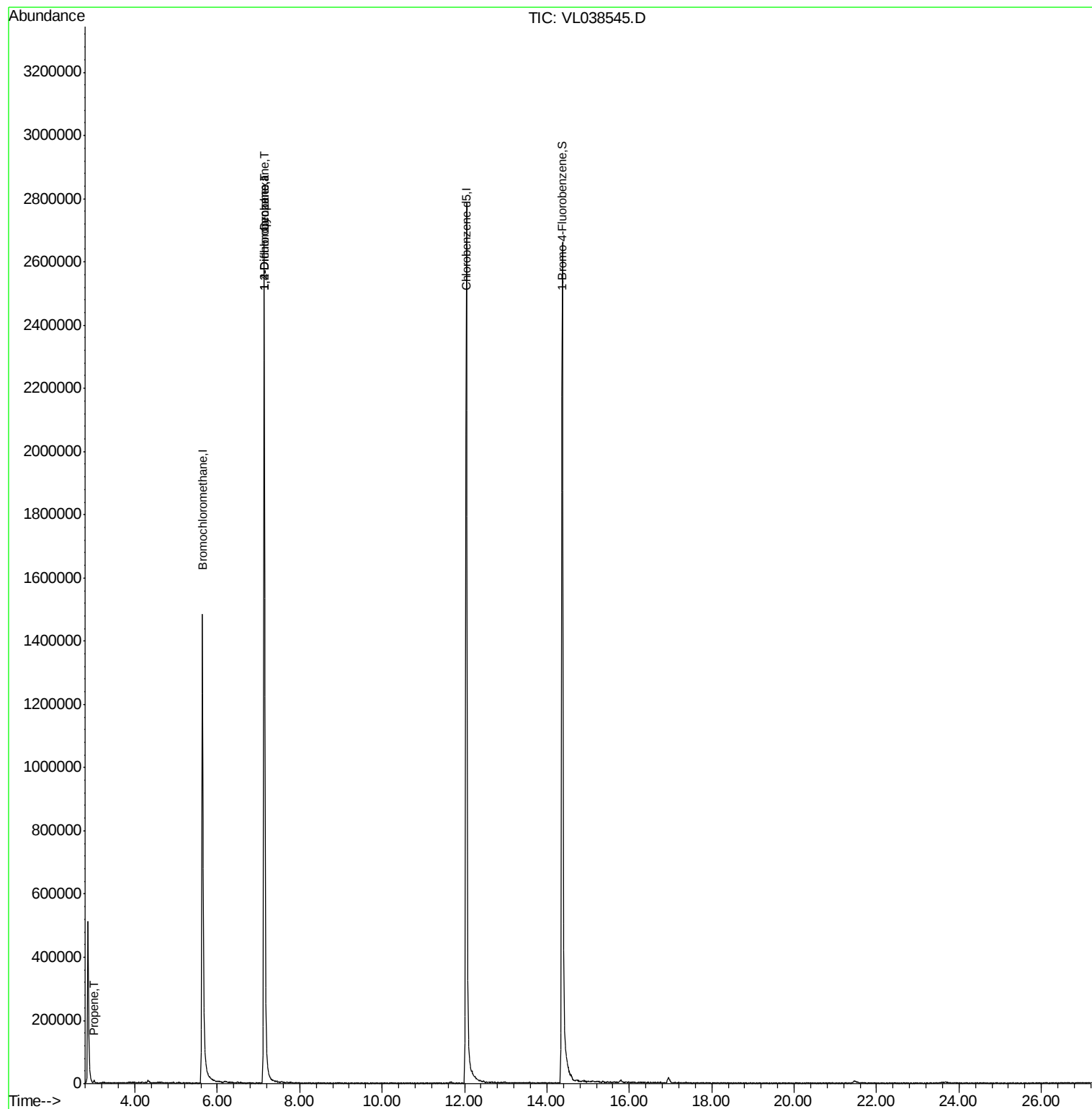
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.00	41	2404	0.045	ppbv	86
30) Cyclohexane	7.12	84	3590	0.047	ppbv #	1
39) 1,2-Dichloropropane	7.14	63	589644	8.079	ppbv #	25

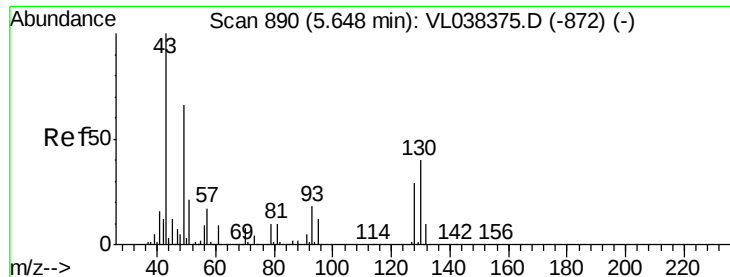
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 Instrument:

Delta R.T. MSVOA_L

Lab File:

Acq: 4 Mar 2022 22:02

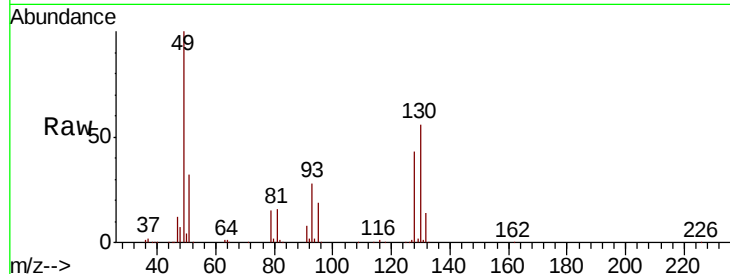
Tot Ion: 49 Resp: 912257

Ion Ratio Lower Upper

49 100

128 45.5 24.3 72.9

130 57.7 30.1 90.5



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

5.64

400000

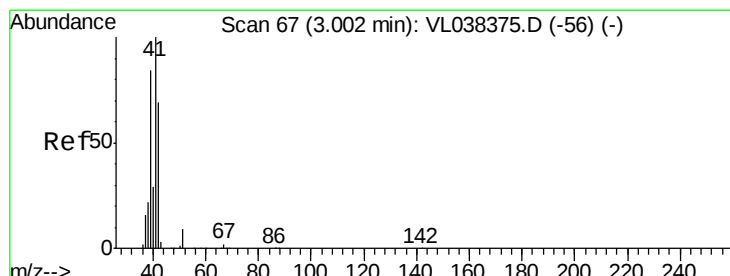
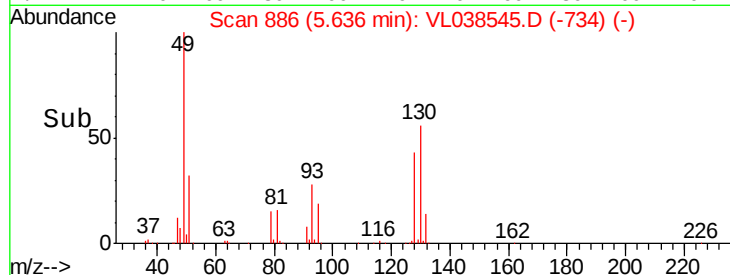
300000

200000

100000

0

Time--> 5.55 5.60 5.65 5.70



#9

Propene

Concen: 0.045 ppbv

RT: 3.00 min Scan# 67

Delta R.T. 0.00 min

Lab File: VL038545.D

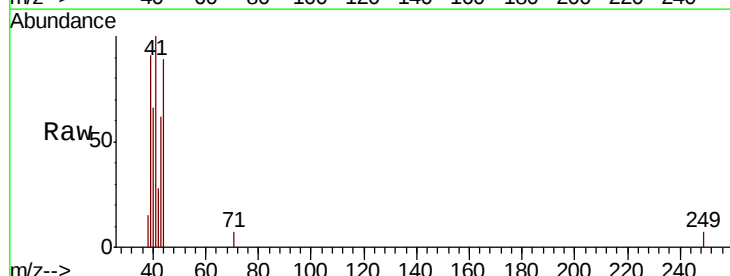
Acq: 4 Mar 2022 22:02

Tgt Ion: 41 Resp: 2404

Ion Ratio Lower Upper

41 100

42 79.6 54.6 82.0



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

2500

2000

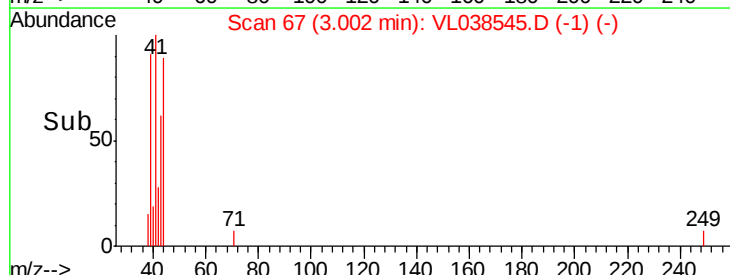
1500

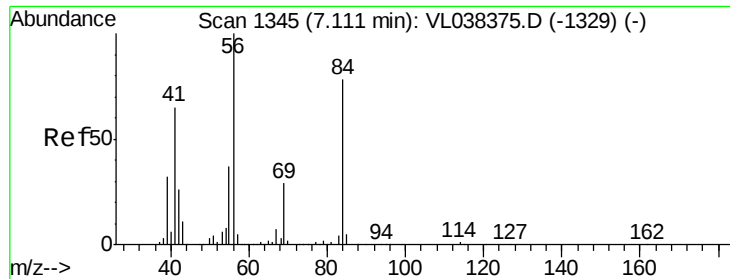
1000

500

0

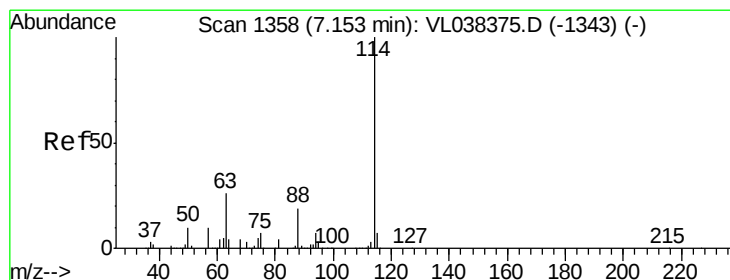
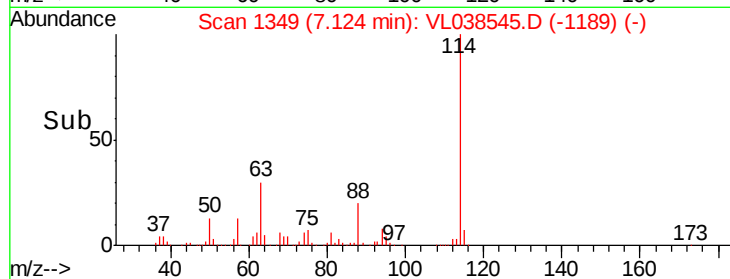
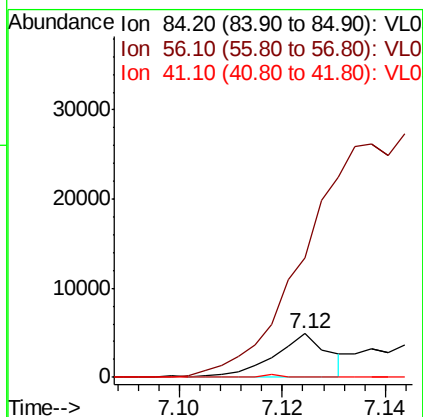
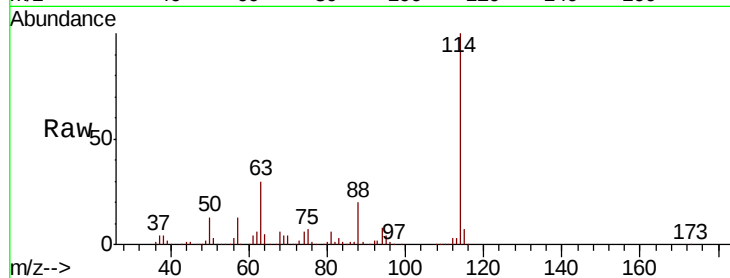
Time--> 2.98 2.99 3.00 3.01 3.02





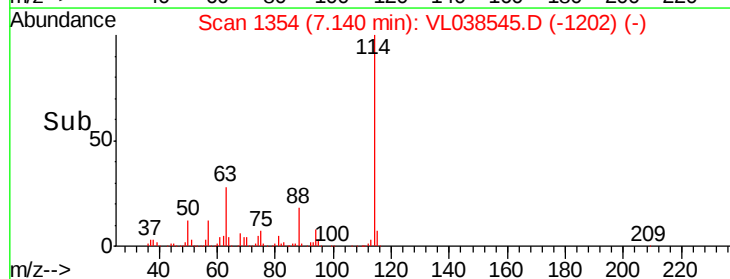
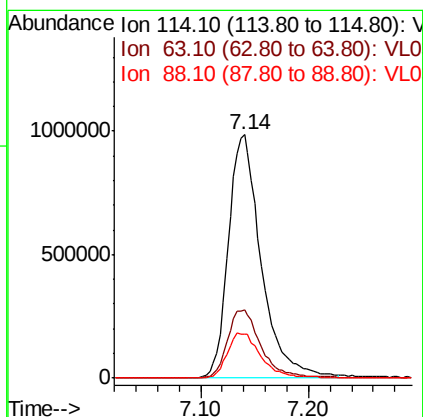
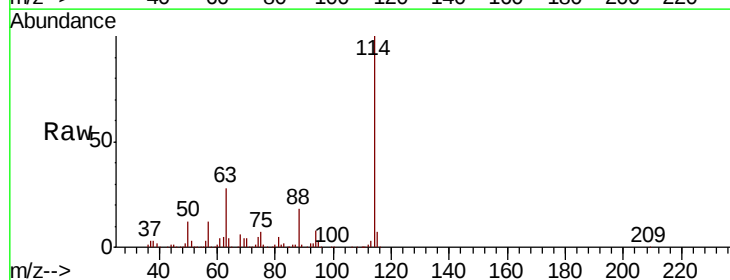
#30
Cyclohexane
Concen: 0.047 ppbv
RT: 7.12 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 4 Mar 2022 22:02

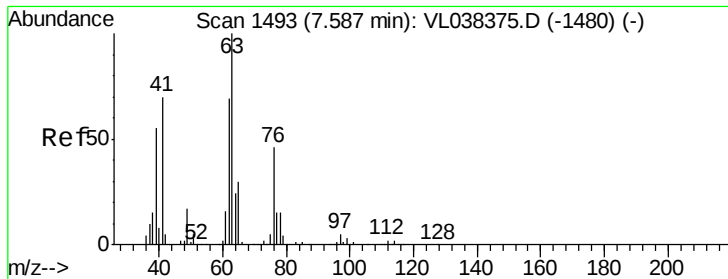
Tot Ion: 84 Resp: 3590
Ion Ratio Lower Upper
84 100
56 0.0 116.2 174.4#
41 1.9 74.3 111.5#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. -0.01 min
Lab File: VL038545.D
Acq: 4 Mar 2022 22:02

Tgt Ion: 114 Resp: 2081404
Ion Ratio Lower Upper
114 100
63 29.2 22.2 33.2
88 19.3 15.2 22.8





#39

1,2-Dichloropropane

Concen: 8.079 ppbv

RT: 7.14 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 4 Mar 2022 22:02

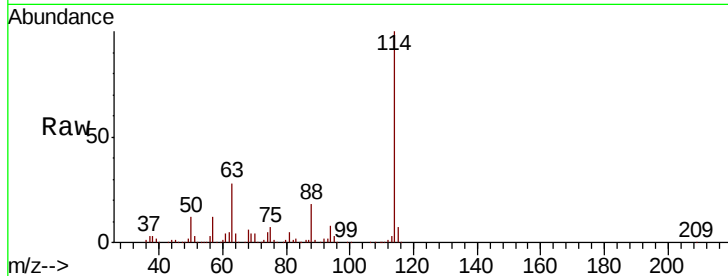
Tot Ion: 63 Resp: 589644

Ion Ratio Lower Upper

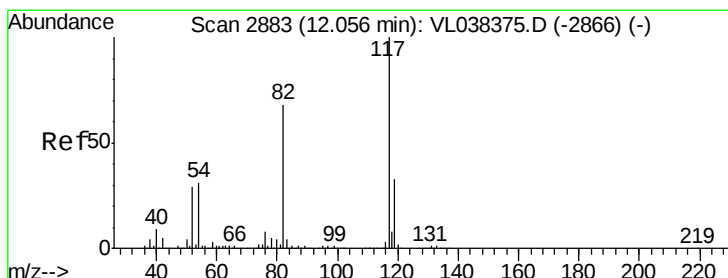
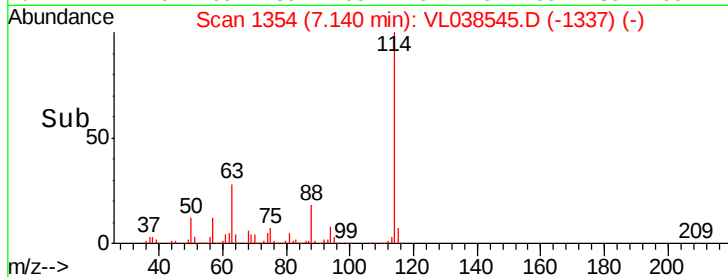
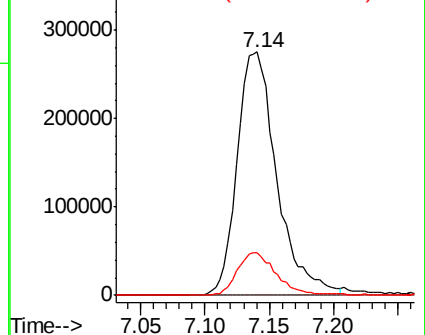
63 100

41 0.0 56.1 84.1#

62 17.3 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# 2879

Delta R.T. -0.01 min

Lab File: VL038545.D

Acq: 4 Mar 2022 22:02

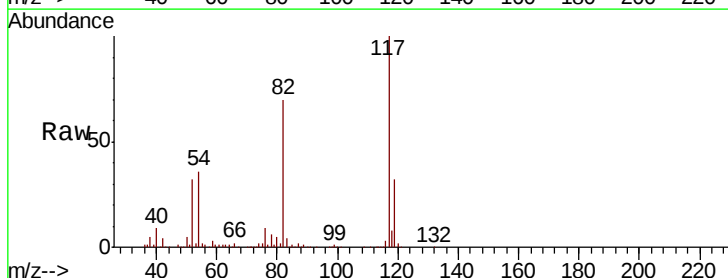
Tgt Ion: 117 Resp: 1788926

Ion Ratio Lower Upper

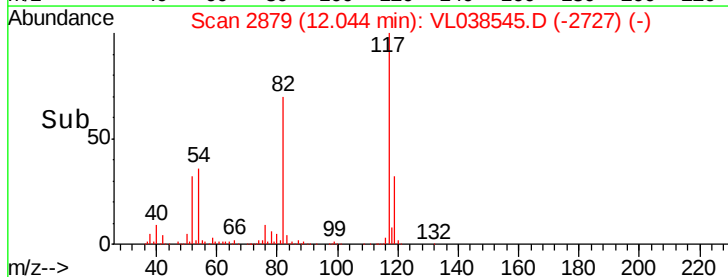
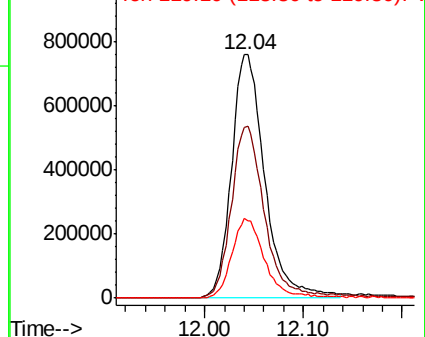
117 100

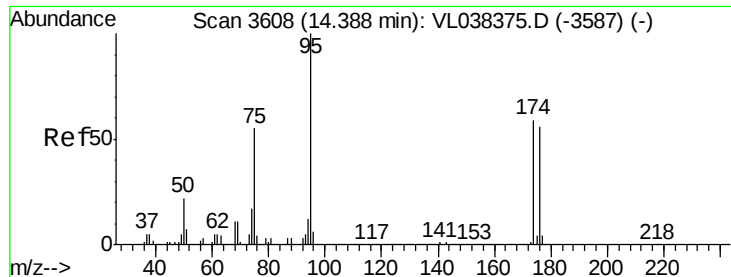
82 73.1 54.9 82.3

119 32.5 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: 9.496 ppbv

RT: 14.37 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 4 Mar 2022 22:02

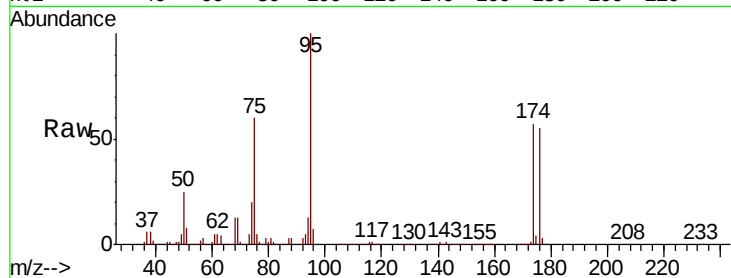
Tot Ion: 95 Resp: 1405632

Ion Ratio Lower Upper

95 100

174 58.6 49.0 73.4

175 4.5 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

