

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030822\
 Data File : VL038567.D
 Acq On : 9 Mar 2022 2:41
 Operator : SY/AP
 Sample : CAN 10601
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 09 07:37:35 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030822AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 08 21:18:44 2022
 QLast Update : Tue Mar 08 21:18:44 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	828696	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	2024564	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	1766738	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1316112	9.80	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.00%

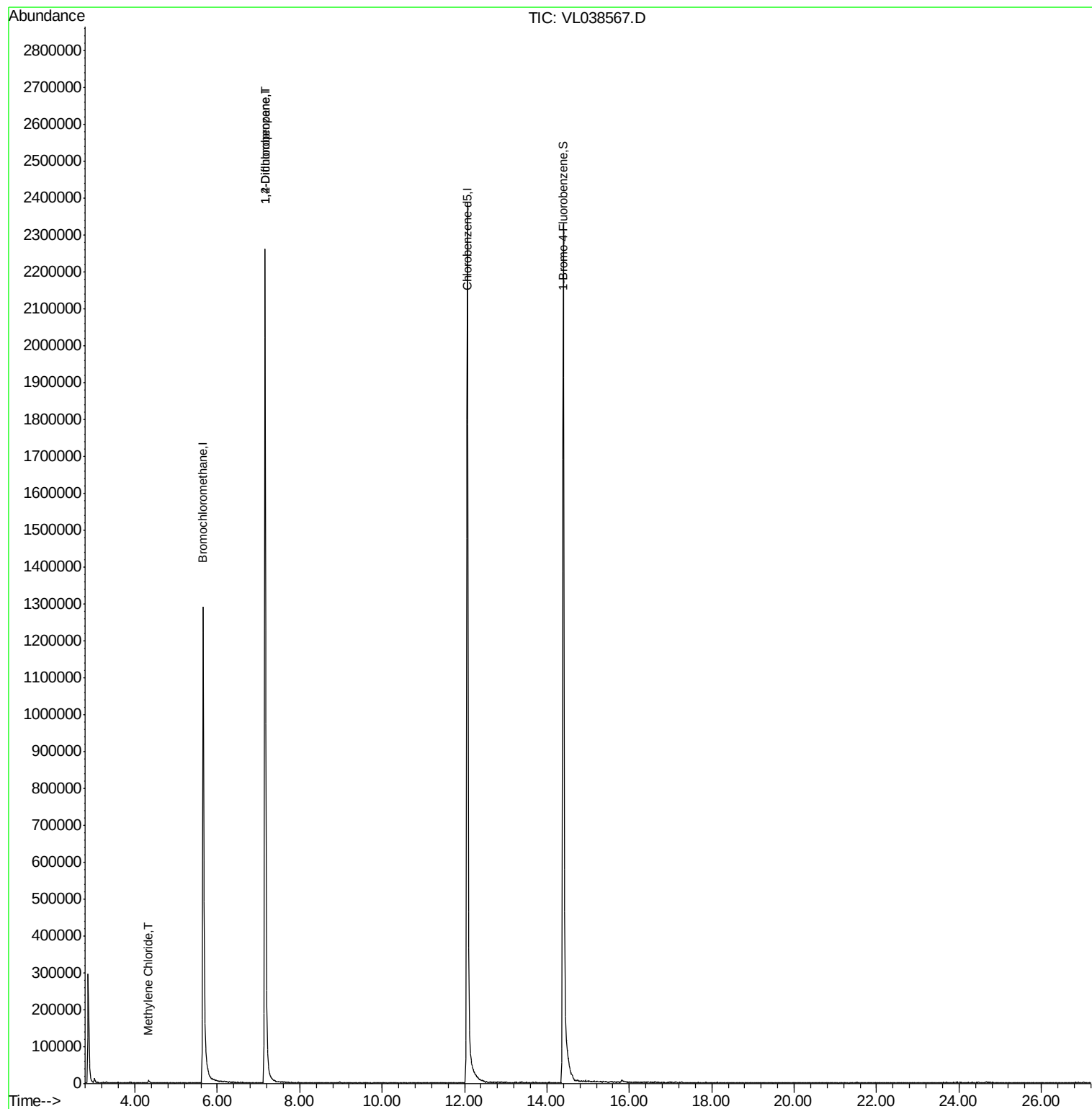
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
20) Methylene Chloride	4.34	84	1757	0.050	ppbv #	82
39) 1,2-Dichloropropane	7.16	63	483458	6.881	ppbv #	26

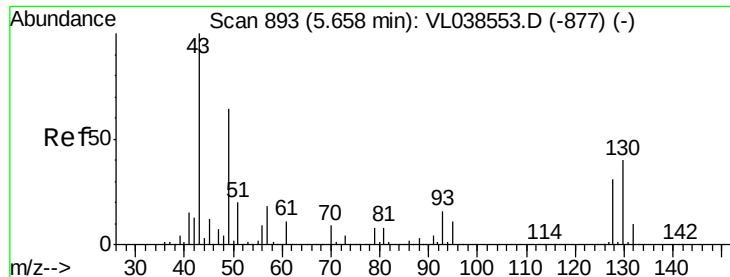
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 9 Mar 2022 2:41

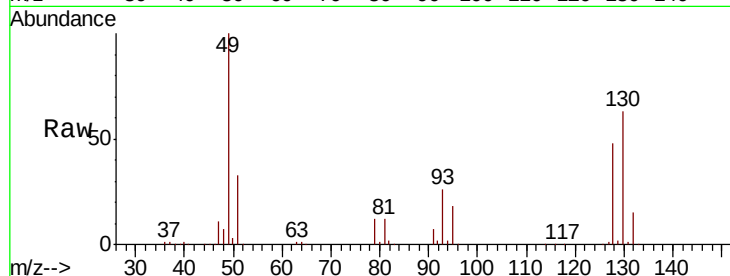
Tot Ion: 49 Resp: 828696

Ion Ratio Lower Upper

49 100

128 49.8 26.4 79.2

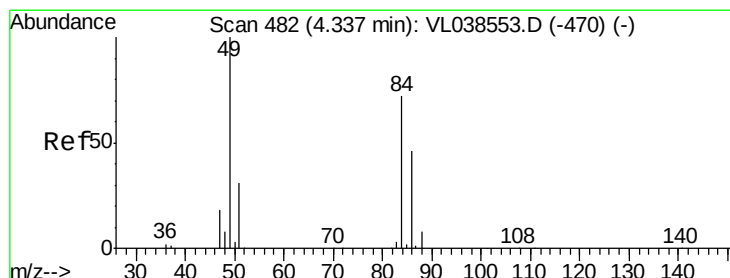
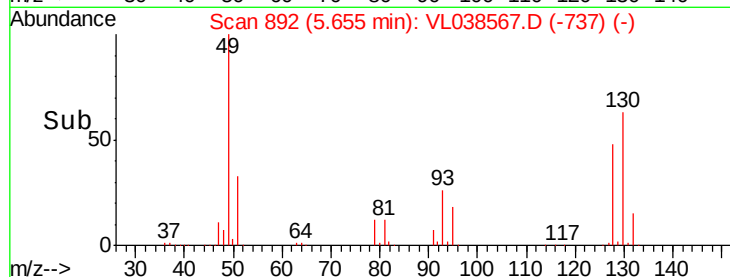
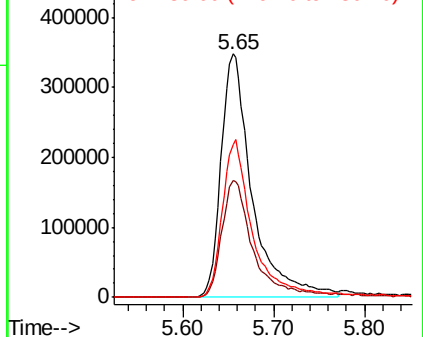
130 64.7 33.0 98.9



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: 0.050 ppbv

RT: 4.34 min Scan# 482

Delta R.T. 0.00 min

Lab File: VL038567.D

Acq: 9 Mar 2022 2:41

Tgt Ion: 84 Resp: 1757

Ion Ratio Lower Upper

84 100

49 115.6 111.1 166.7

51 32.7 34.0 51.0#

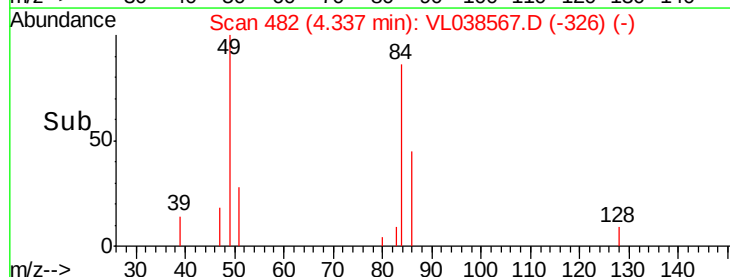
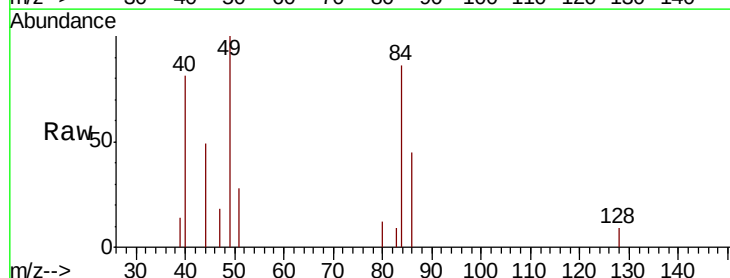
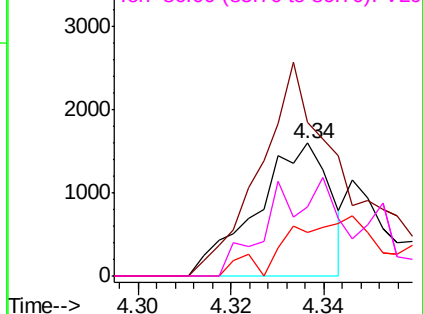
86 51.6 50.9 76.3

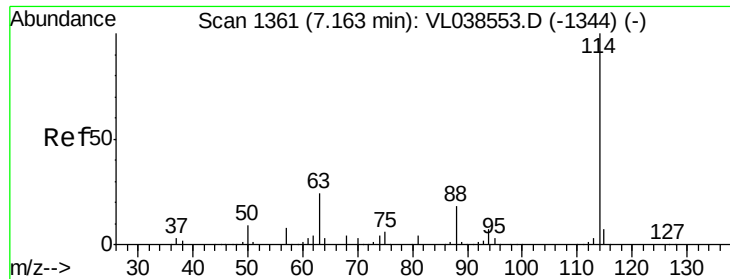
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

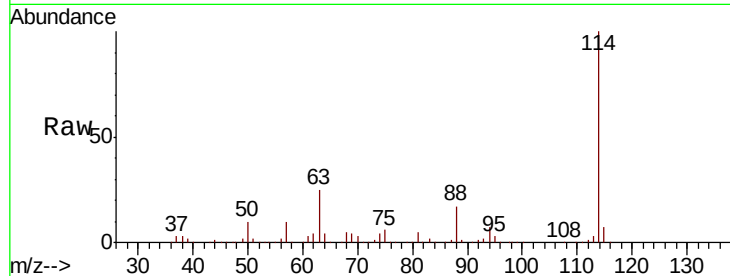
Ion 86.00 (85.70 to 86.70): VL0



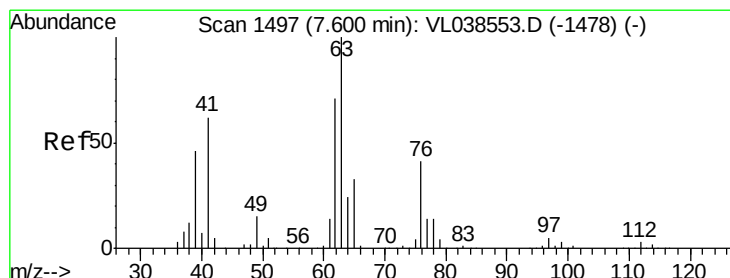
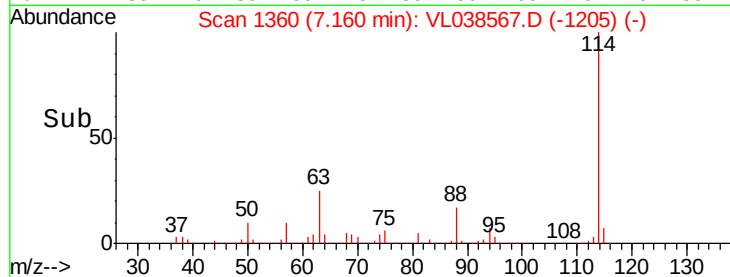
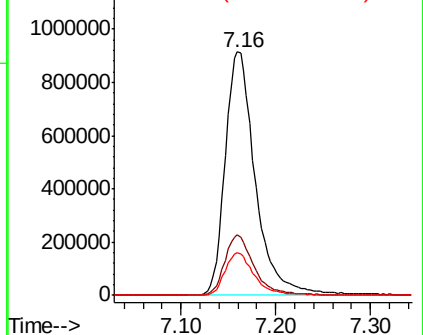


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 9 Mar 2022 2:41

Tot Ion: 114 Resp: 2024564
 Ion Ratio Lower Upper
 114 100
 63 24.6 19.6 29.4
 88 17.4 13.9 20.9

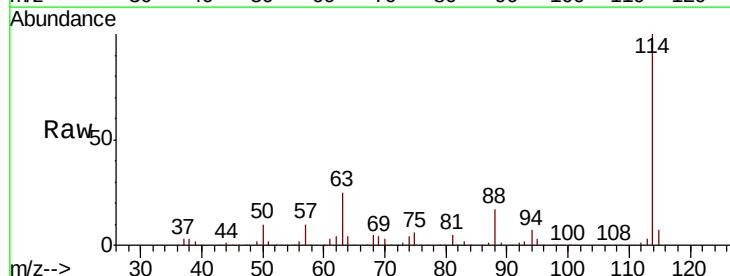


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

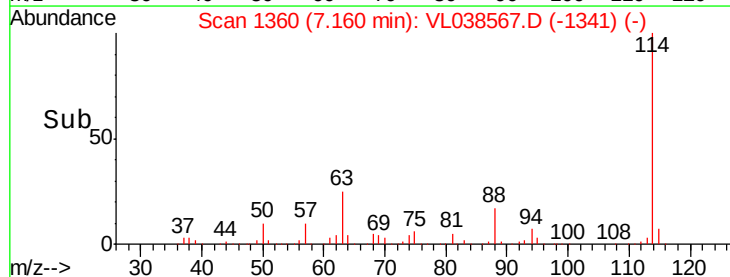
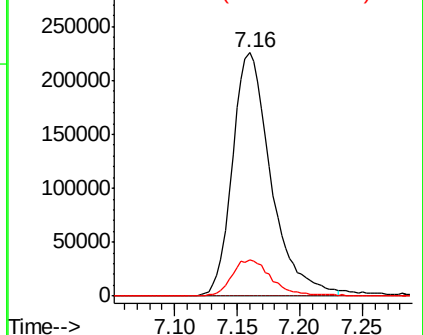


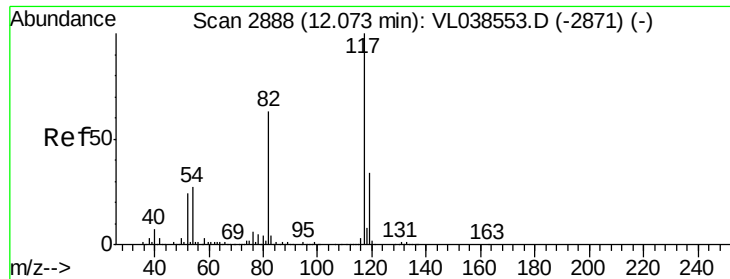
#39
 1,2-Dichloropropane
 Concen: 6.881 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. -0.44 min
 Lab File: VL038567.D
 Acq: 9 Mar 2022 2:41

Tgt Ion: 63 Resp: 483458
 Ion Ratio Lower Upper
 63 100
 41 0.0 49.8 74.6#
 62 14.8 56.7 85.1#



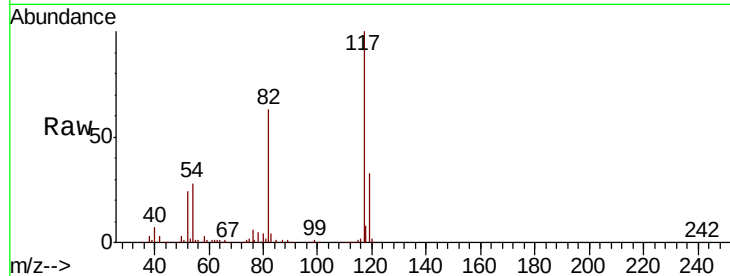
Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0



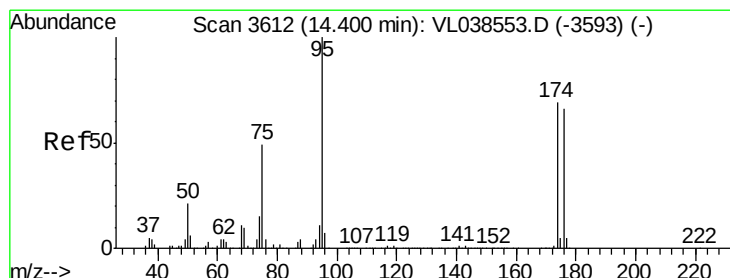
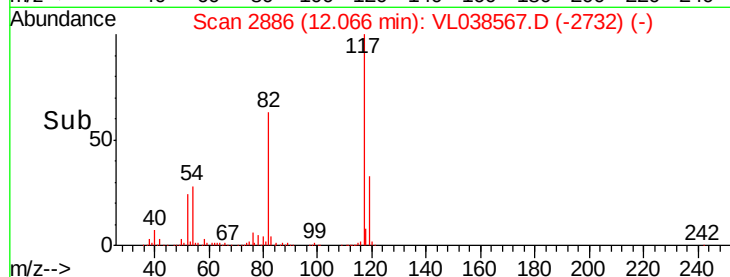
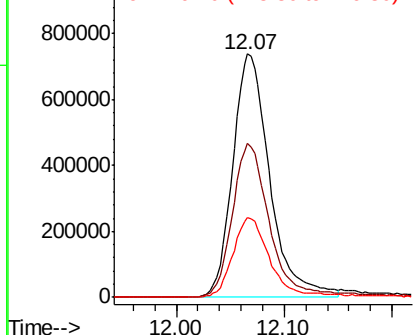


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 9 Mar 2022 2:41

Tot Ion: 117 Resp: 1766738
Ion Ratio Lower Upper
117 100
82 65.5 52.5 78.7
119 33.7 46.4 69.6#

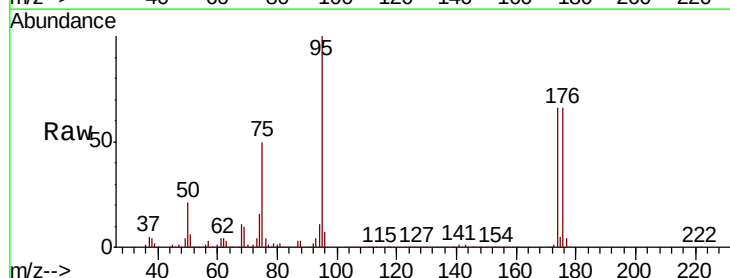


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 9.798 ppbv
RT: 14.40 min Scan# 3611
Delta R.T.: -0.00 min
Lab File: VL038567.D
Acq: 9 Mar 2022 2:41

Tgt Ion: 95 Resp: 1316112
Ion Ratio Lower Upper
95 100
174 73.1 56.2 84.4
175 5.2 4.2 6.2



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

