

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120721\
 Data File : VL038151.D
 Acq On : 7 Dec 2021 15:27
 Operator : SY/AP
 Sample : M4827-02DL2 200X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2DL2

Quant Time: Dec 08 02:13:02 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	5.66	49	851336	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	2202438	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	1881807	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1566778	11.54	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	115.40%

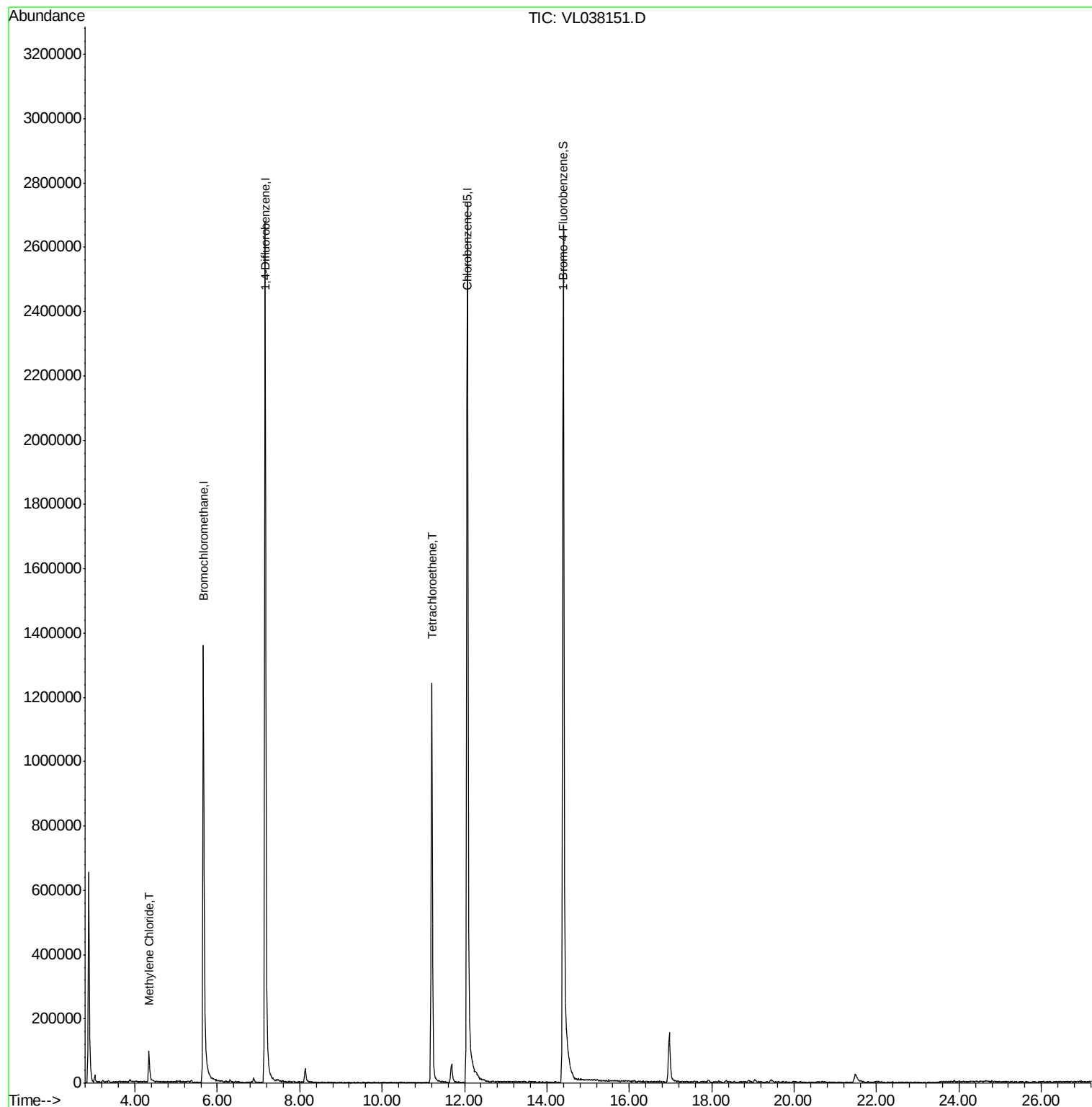
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
20) Methylene Chloride	4.34	84	44183	1.069	ppbv	94
52) Tetrachloroethene	11.21	164	307992	3.789	ppbv	94

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

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: IA-2DL2

Acq: 7 Dec 2021 15:27

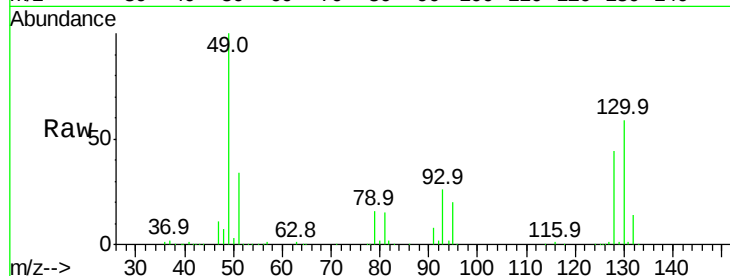
Tot Ion: 49 Resp: 851336

Ion Ratio Lower Upper

49 100

128 47.0 26.5 79.5

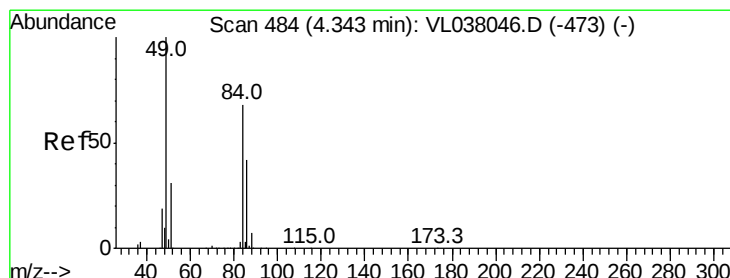
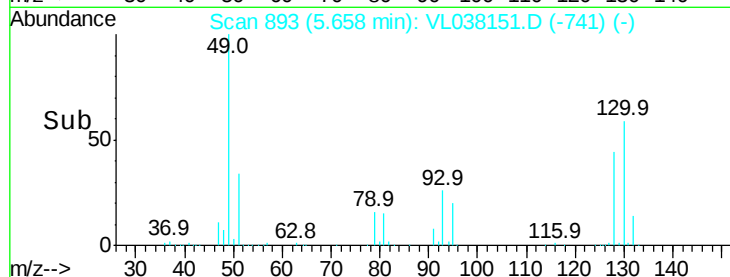
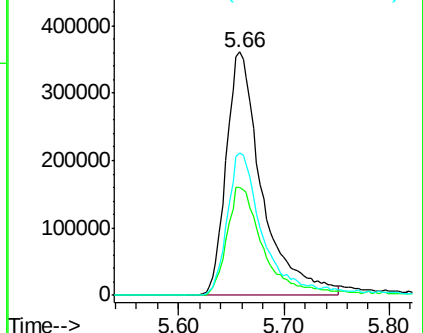
130 59.9 32.5 97.4



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: 1.069 ppbv

RT: 4.34 min Scan# 483

Delta R.T. -0.00 min

Lab File: VL038151.D

Acq: 7 Dec 2021 15:27

Tgt Ion: 84 Resp: 44183

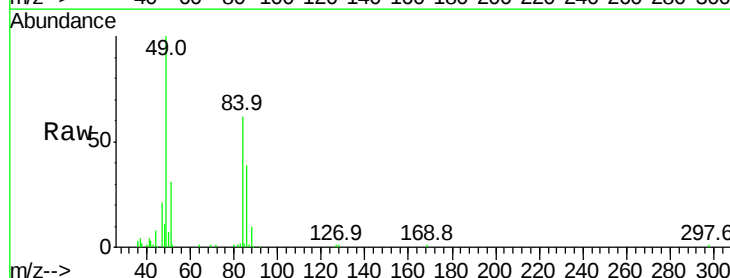
Ion Ratio Lower Upper

84 100

49 159.3 118.2 177.2

51 48.0 36.8 55.2

86 62.0 49.0 73.6

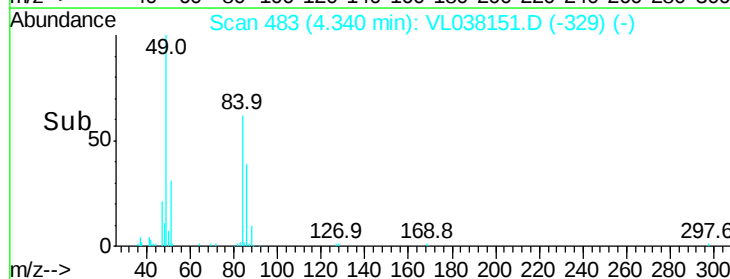
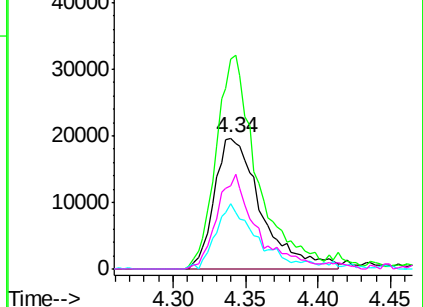


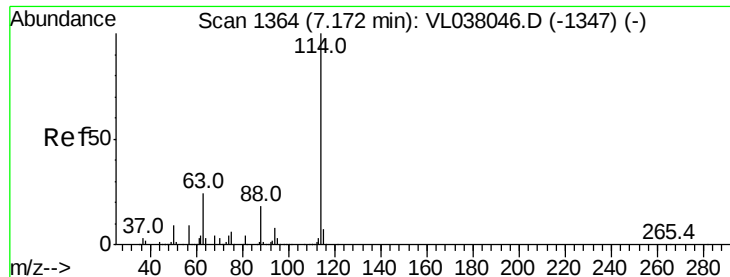
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

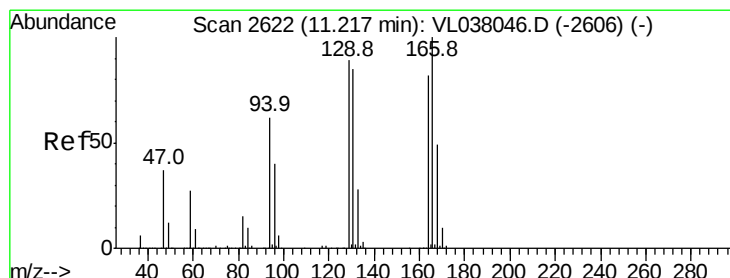
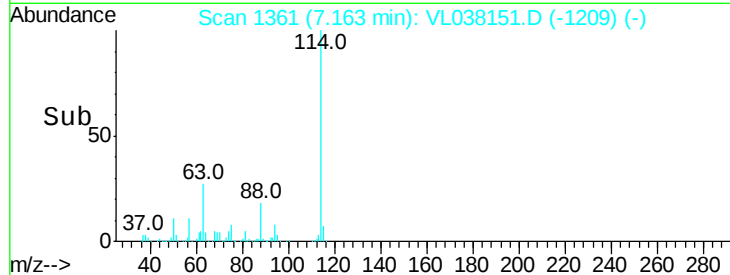
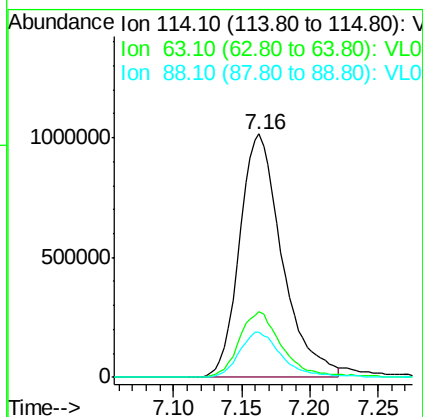
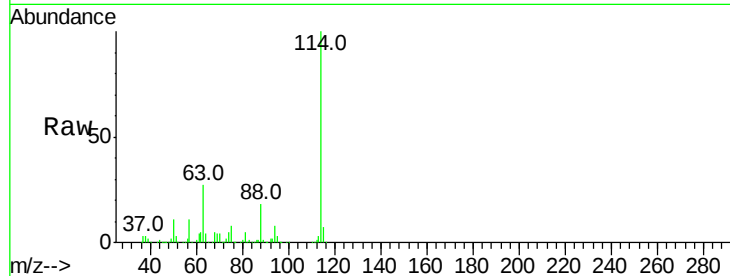
Ion 86.00 (85.70 to 86.70): VL0





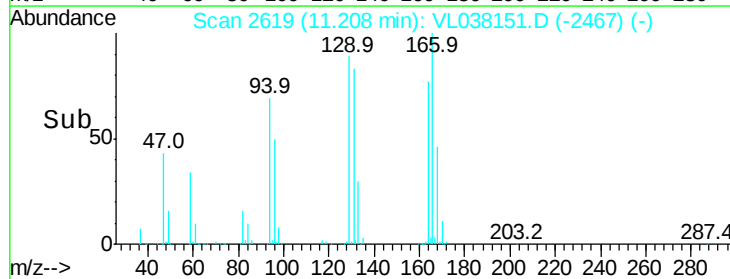
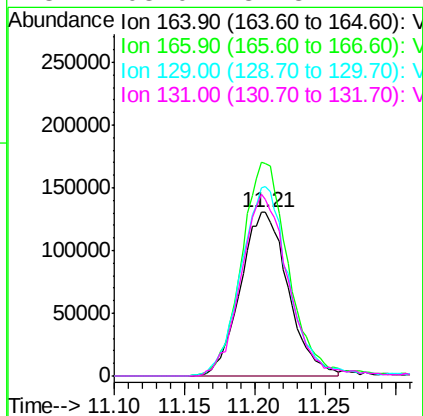
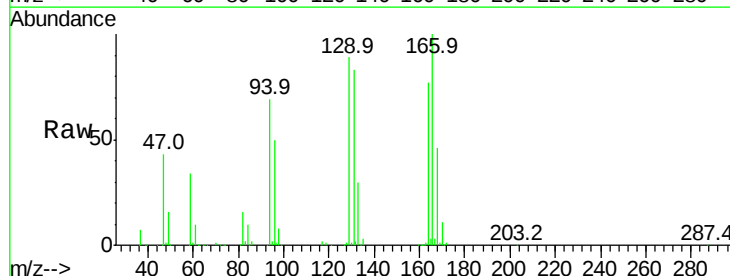
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16
 Delta R.T. MSVOA_L
 Lab File: ClientSampled :
 Acq: 7 Dec 2021 15:27

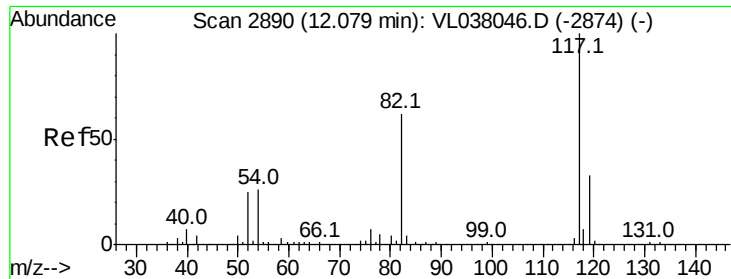
Tot Ion:114 Resp: 2202438
 Ion Ratio Lower Upper
 114 100
 63 27.8 19.7 29.5
 88 19.1 14.4 21.6



#52
 Tetrachloroethene
 Concen: 3.789 ppbv
 RT: 11.21 min Scan# 2619
 Delta R.T. -0.01 min
 Lab File: VL038151.D
 Acq: 7 Dec 2021 15:27

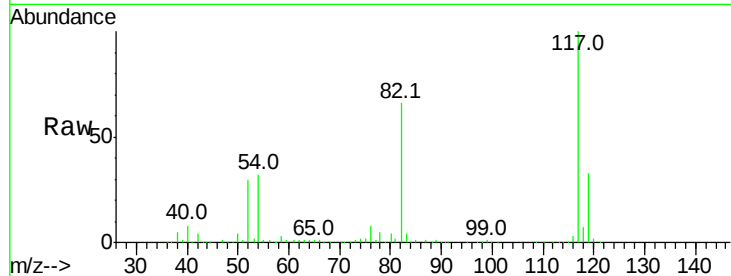
Tgt Ion:164 Resp: 307992
 Ion Ratio Lower Upper
 164 100
 166 129.5 97.2 145.8
 129 115.3 86.9 130.3
 131 108.0 82.8 124.2



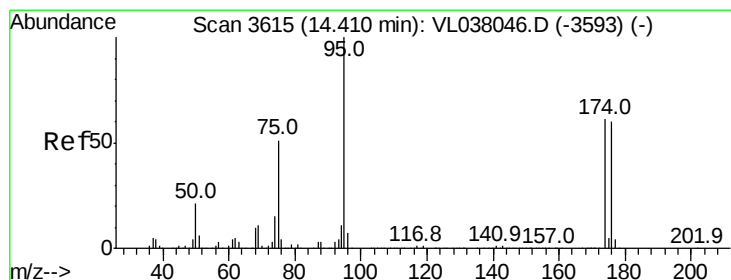
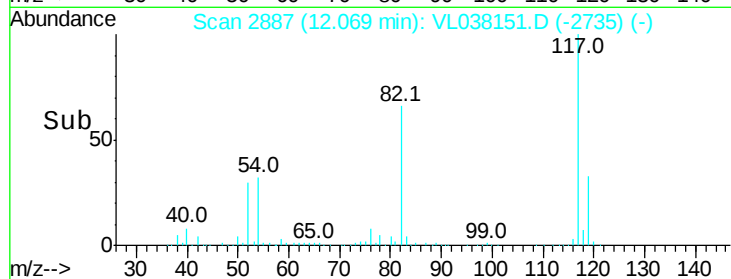
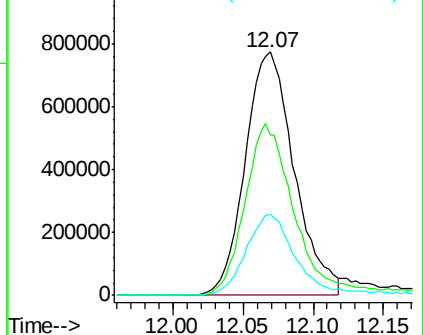


#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.07 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 7 Dec 2021 15:27

Tot Ion:117 Resp: 1881807
 Ion Ratio Lower Upper
 117 100
 82 75.2 52.8 79.2
 119 35.3 26.8 40.2

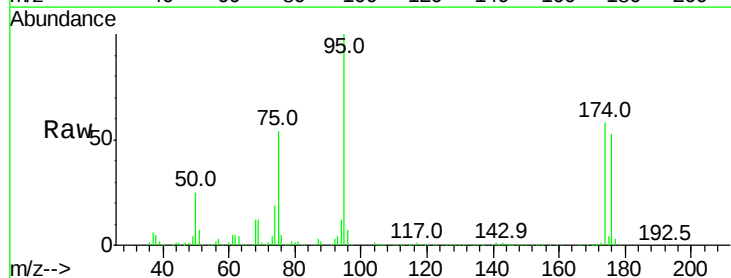


Abundance Ion 117.10 (116.80 to 117.80): V
 Ion 82.10 (81.80 to 82.80): V
 Ion 119.10 (118.80 to 119.80): V



#68
 1-Bromo-4-Fluorobenzene
 Concen: 11.543 ppbv
 RT: 14.40 min Scan# 3611
 Delta R.T.: -0.01 min
 Lab File: VL038151.D
 Acq: 7 Dec 2021 15:27

Tgt Ion: 95 Resp: 1566778
 Ion Ratio Lower Upper
 95 100
 174 61.2 53.1 79.7
 175 4.0 4.0 6.0#



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

