

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120320\
 Data File : VL036055.D
 Acq On : 3 Dec 2020 17:48
 Operator : SY/AP
 Sample : VL1203ABL01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1203ABL01

Quant Time: Dec 04 05:21:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 04 03:52:25 2020
 QLast Update : Fri Dec 04 03:52:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1150292	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3984061	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3671762	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2756568	9.87	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.70%

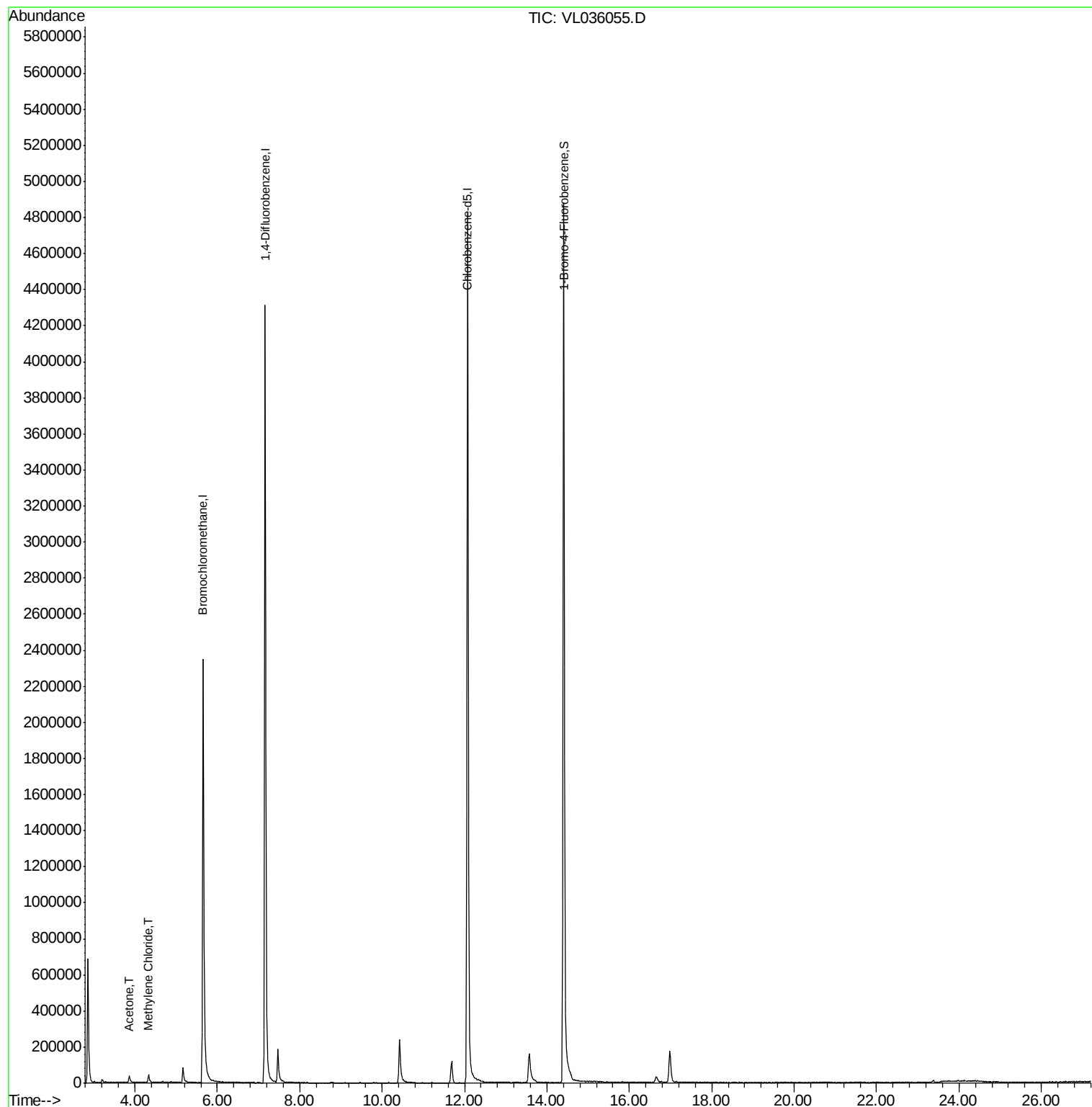
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.86	43	25196	0.202	ppbv	# 1
20) Methylene Chloride	4.33	84	22748	0.222	ppbv	92

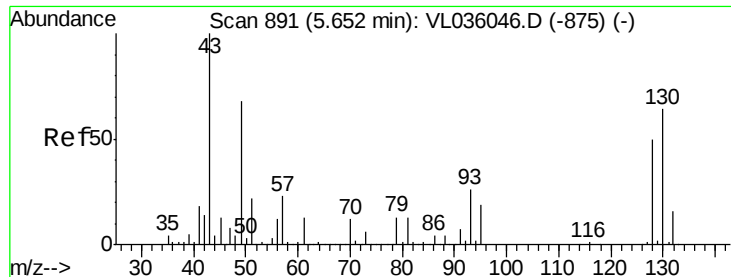
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 04 03:52:25 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.00 min

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Instrument :

MSVOA_L

ClientSampleId :

VL1203ABL01

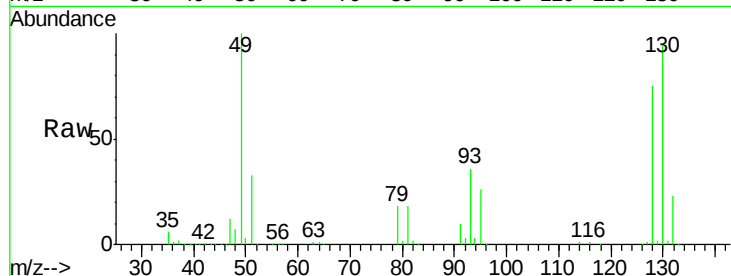
Tot Ion: 49 Resp: 1150292

Ion Ratio Lower Upper

49 100

128 75.7 38.3 114.8

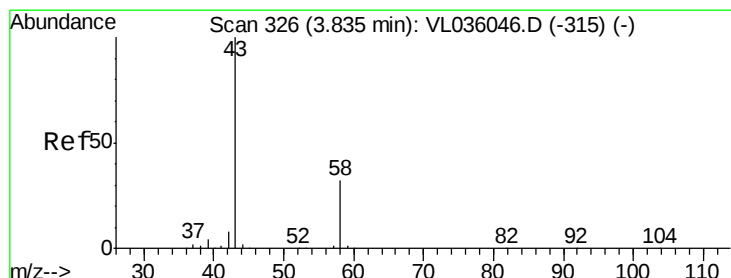
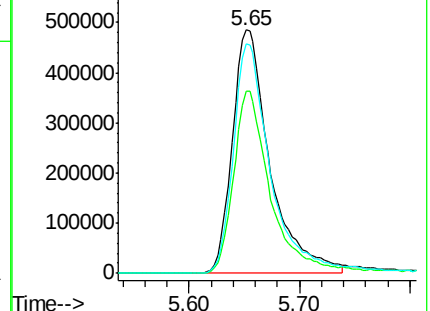
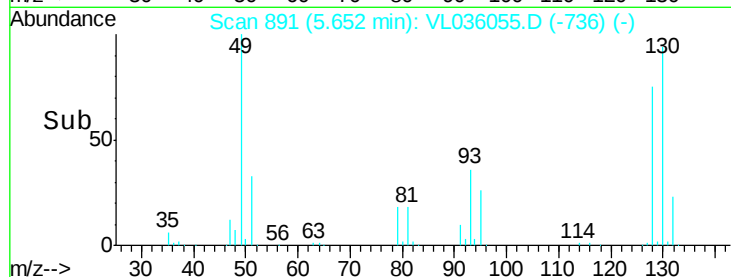
130 96.4 49.1 147.4



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



#15

Acetone

Concen: 0.202 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.02 min

Lab File: VL036055.D

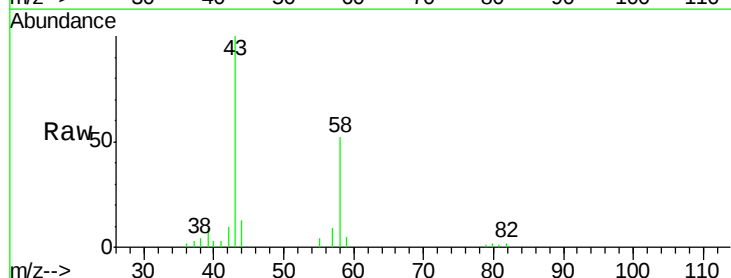
Acq: 3 Dec 2020 17:48

Tgt Ion: 43 Resp: 25196

Ion Ratio Lower Upper

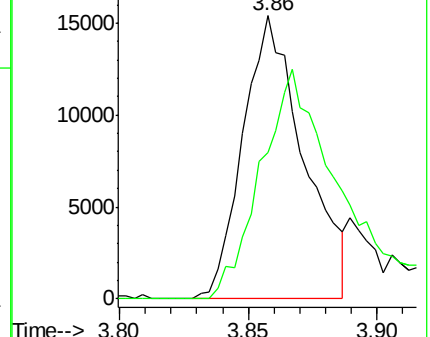
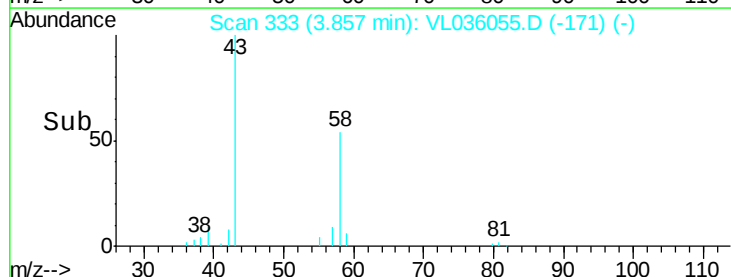
43 100

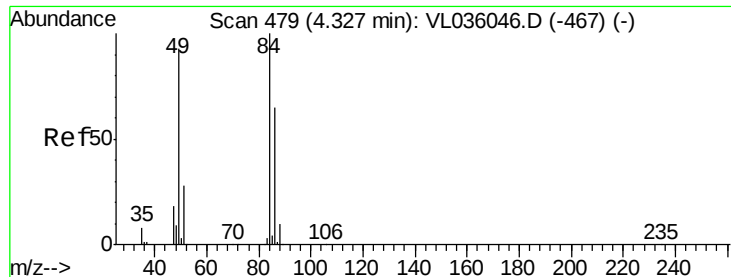
58 120.1 27.0 40.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#20

Methylene Chloride

Concen: 0.222 ppbv

RT: 4.33 min Scan# 481

Delta R.T. 0.01 min

Lab File: VL036055.D

Acq: 3 Dec 2020 17:48

Instrument :

MSVOA_L

ClientSampleId :

VL1203ABL01

Tot Ion: 84 Resp: 22748

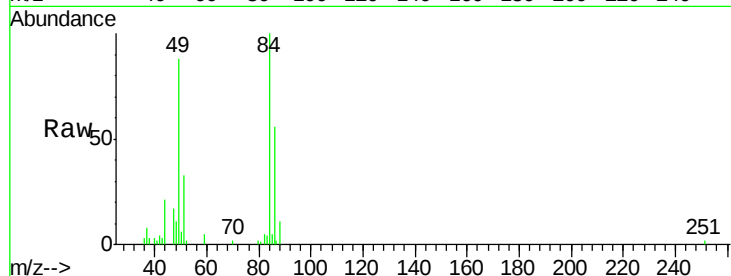
Ion Ratio Lower Upper

84 100

49 88.3 74.4 111.6

51 33.2 22.5 33.7

86 55.9 52.2 78.2

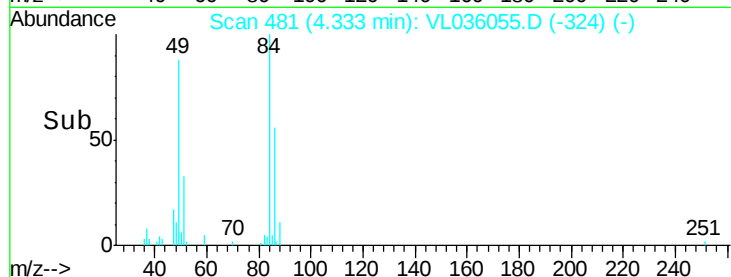
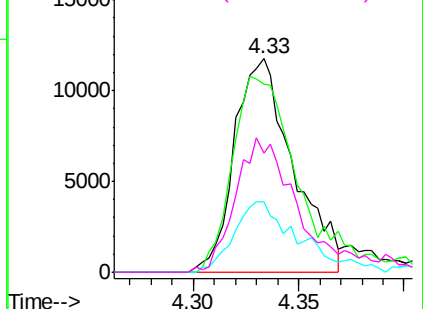


Abundance Ion 84.00 (83.70 to 84.70): VL0

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 Scan# 1360

Delta R.T. -0.00 min

Lab File: VL036055.D

Acq: 3 Dec 2020 17:48

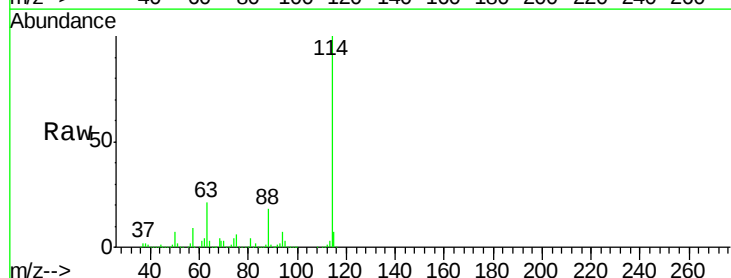
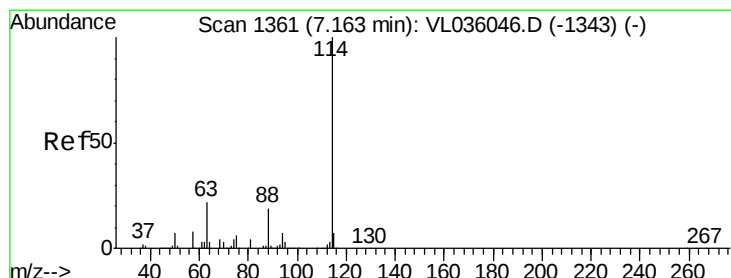
Tgt Ion: 114 Resp: 3984061

Ion Ratio Lower Upper

114 100

63 21.2 17.2 25.8

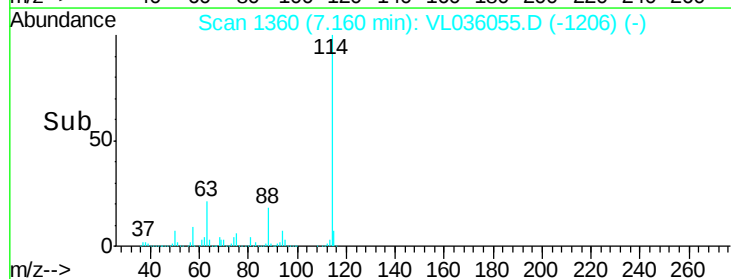
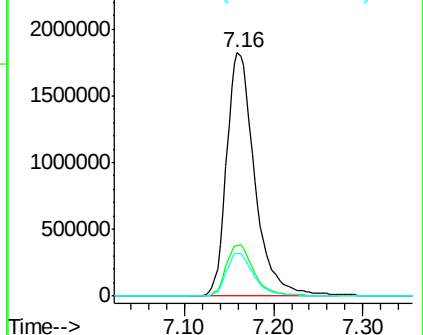
88 17.5 14.0 21.0

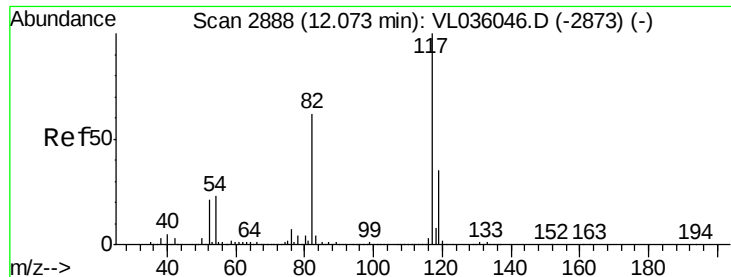


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2889

Delta R.T. 0.00 min

Lab File: VL036055.D

Acq: 3 Dec 2020 17:48

Instrument :

MSVOA_L

ClientSampleId :

VL1203ABL01

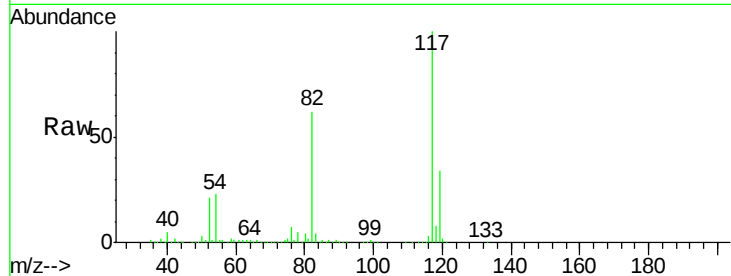
Tot Ion:117 Resp: 3671762

Ion Ratio Lower Upper

117 100

82 62.5 49.9 74.9

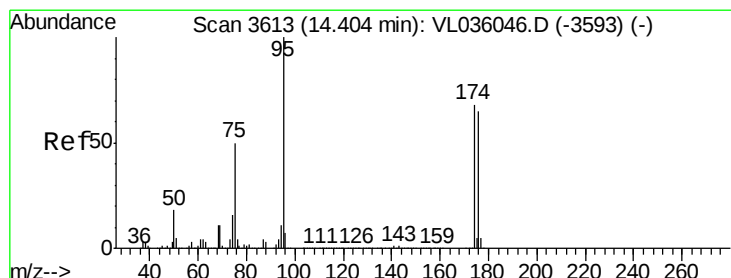
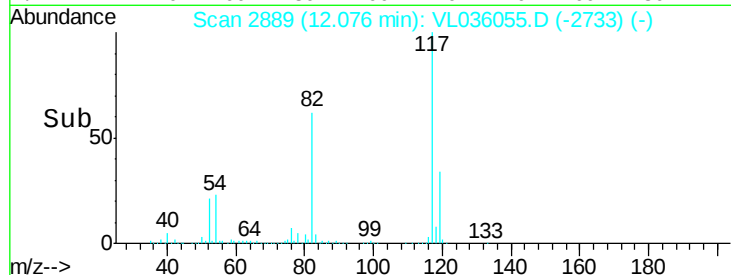
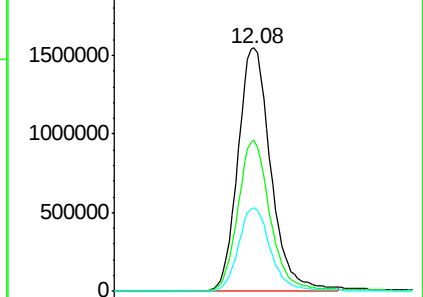
119 34.2 28.7 43.1



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: 9.866 ppbv

RT: 14.41 min Scan# 3614

Delta R.T. 0.00 min

Lab File: VL036055.D

Acq: 3 Dec 2020 17:48

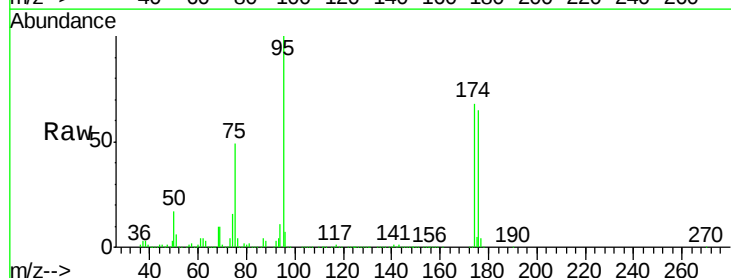
Tgt Ion: 95 Resp: 2756568

Ion Ratio Lower Upper

95 100

174 69.5 54.2 81.2

175 5.0 3.8 5.8



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

