

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL021419\
 Data File : VL033201.D
 Acq On : 14 Feb 2019 16:23
 Operator : SY/AP
 Sample : VL0214ABL01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0214ABL01

Quant Time: Feb 15 04:29:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL020519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 06 09:13:11 2019
 QLast Update : Wed Feb 06 09:13:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	924233	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2115108	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.24	117	2135774m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1739301	10.57	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.70%

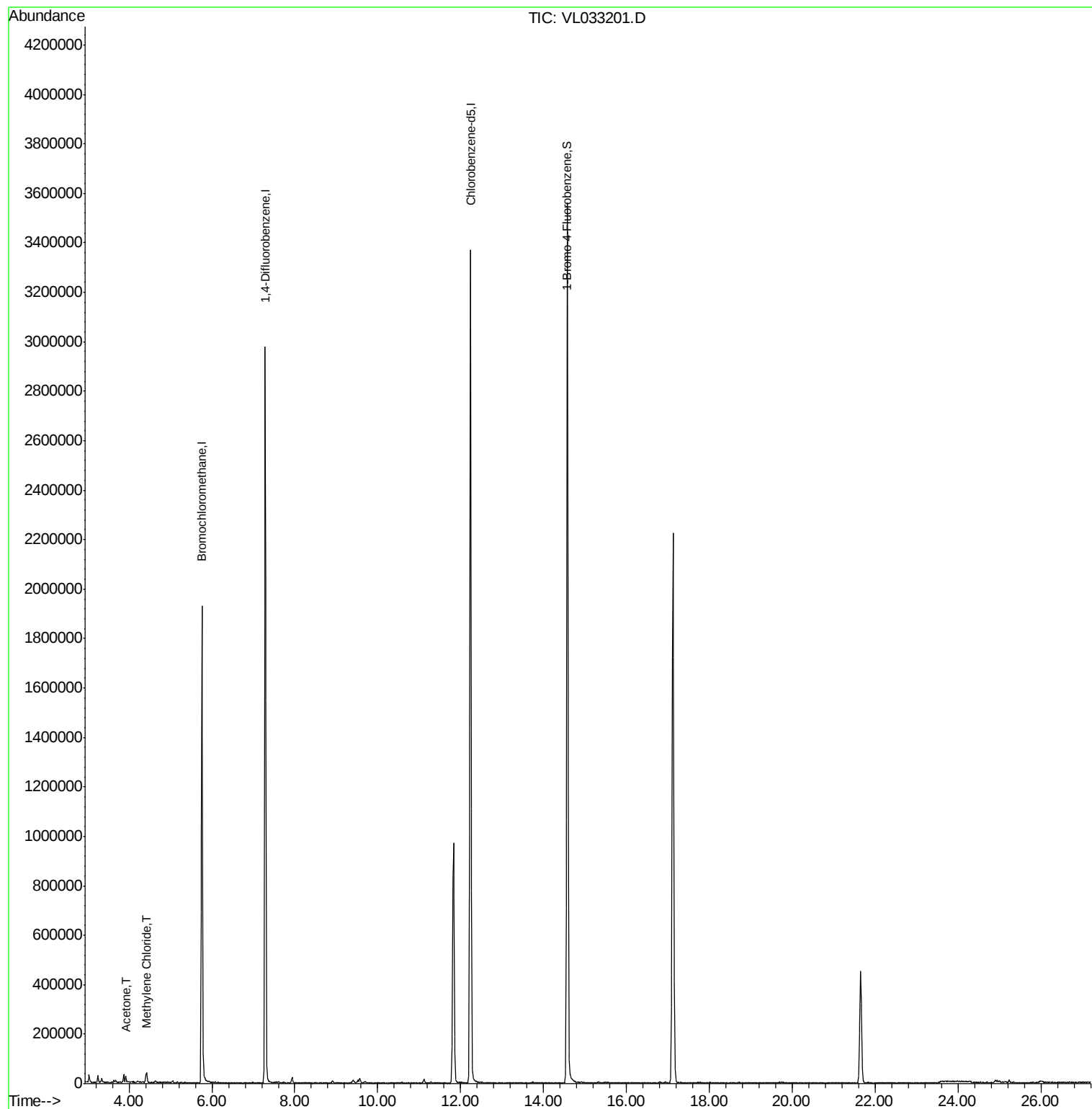
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.92	43	21522m	0.207	ppbv	
20) Methylene Chloride	4.41	84	9249	0.223	ppbv #	86

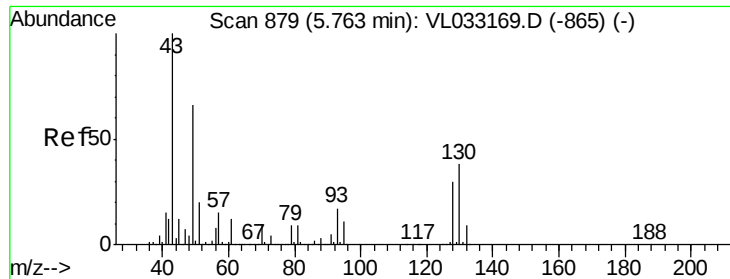
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.01 min

Lab File: VL033201.D

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Instrument :

MSVOA_L

ClientSampleId :

VL0214ABL01

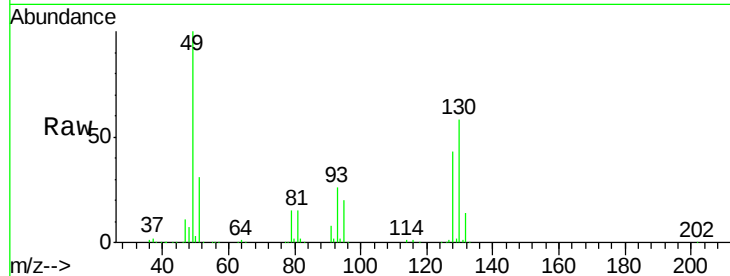
Tot Ion: 49 Resp: 924233

Ion Ratio Lower Upper

49 100

128 45.3 23.6 71.0

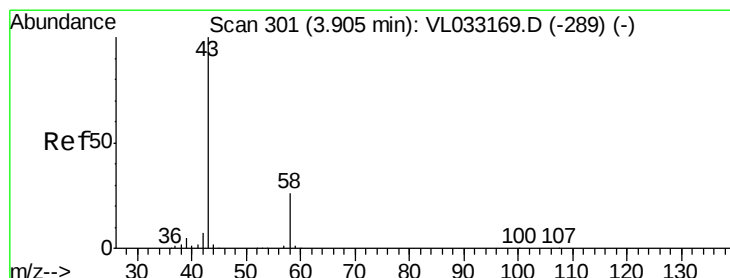
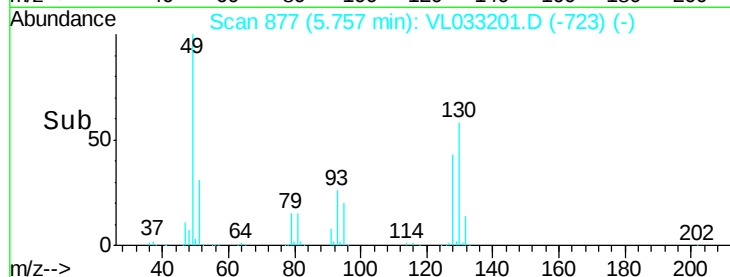
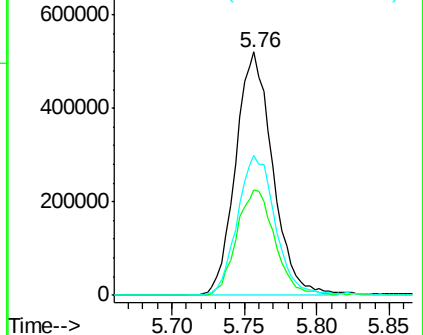
130 59.8 30.3 91.0



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



#15

Acetone

Concen: 0.207 ppbv m

RT: 3.92 min Scan# 306

Delta R.T. 0.02 min

Lab File: VL033201.D

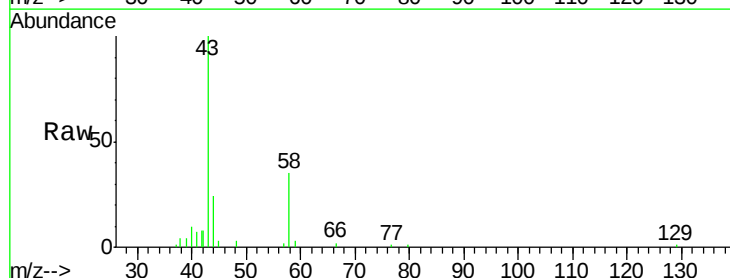
Acq: 14 Feb 2019 16:23

Tgt Ion: 43 Resp: 21522

Ion Ratio Lower Upper

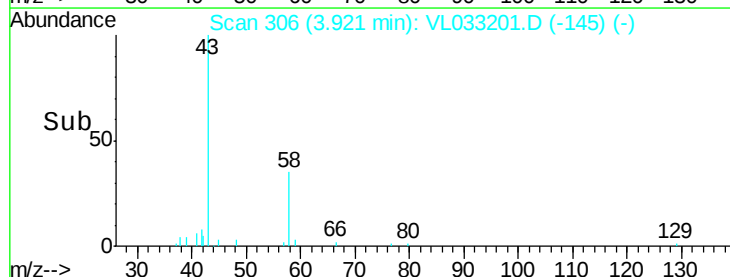
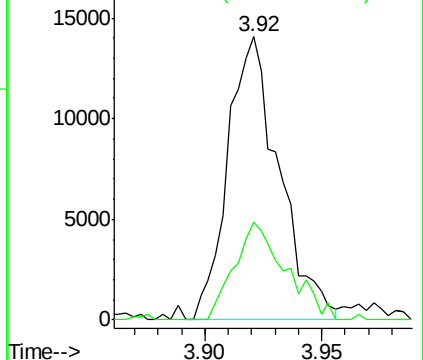
43 100

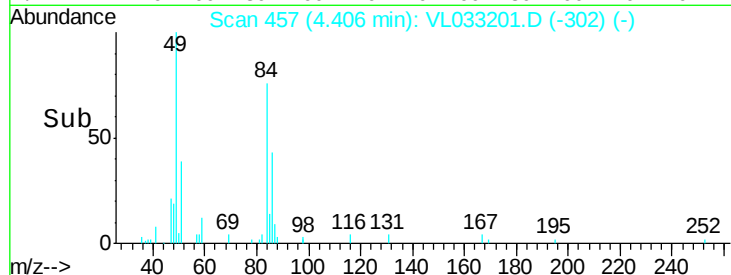
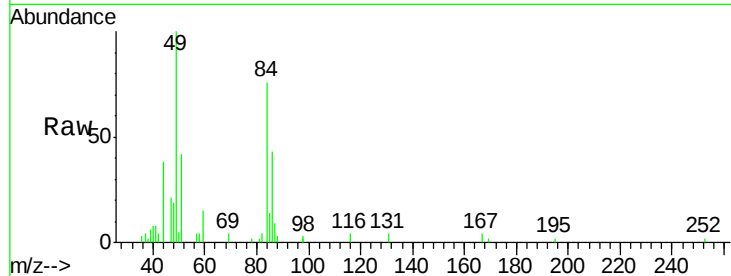
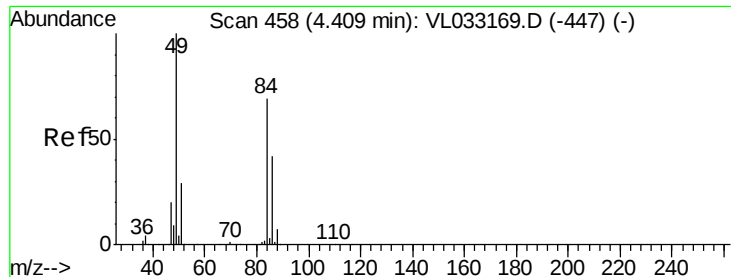
58 34.9 21.1 31.7#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

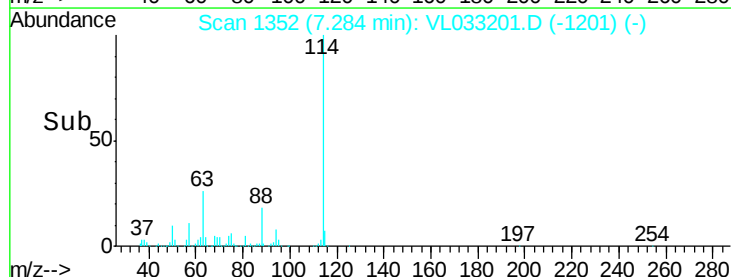
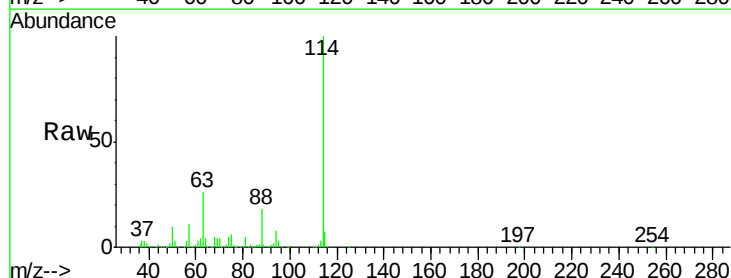
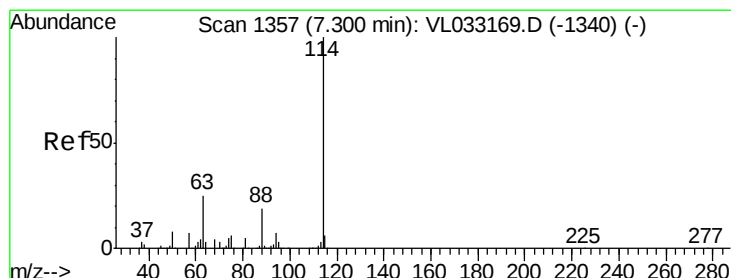
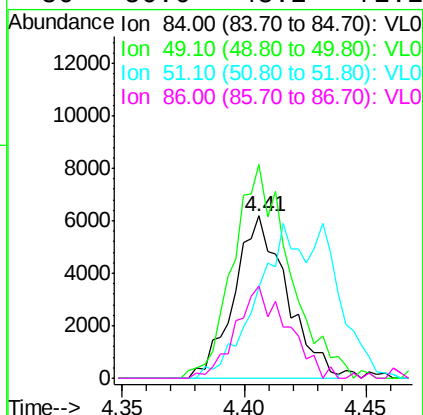




#20
Methylene Chloride
Concen: 0.223 ppbv
RT: 4.41 min Scan# 457
Delta R.T. -0.00 min
Lab File: VL033201.D
Acq: 14 Feb 2019 16:23

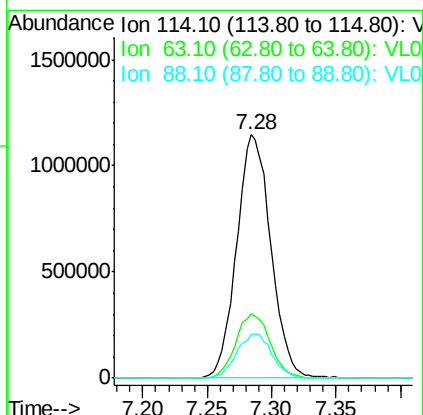
Instrument :
MSVOA_L
ClientSampleId :
VL0214ABL01

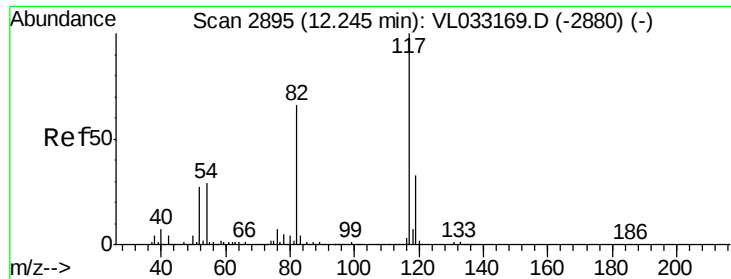
Tot Ion: 84 Resp: 9249
Ion Ratio Lower Upper
84 100
49 126.7 115.8 173.8
51 55.7 33.0 49.6#
86 56.6 48.2 72.2



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.28 min Scan# 1352
Delta R.T. -0.02 min
Lab File: VL033201.D
Acq: 14 Feb 2019 16:23

Tgt Ion: 114 Resp: 2115108
Ion Ratio Lower Upper
114 100
63 26.8 20.8 31.2
88 18.7 14.6 22.0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv m

RT: 12.24 min Scan# 2893

Delta R.T. -0.01 min

Lab File: VL033201.D

Acq: 14 Feb 2019 16:23

Instrument :

MSVOA_L

ClientSampleId :

VL0214ABL01

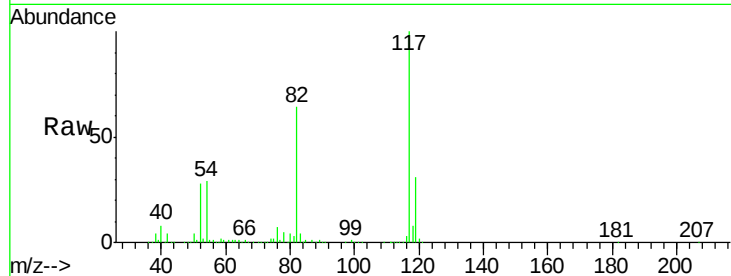
Tot Ion:117 Resp: 2135774

Ion Ratio Lower Upper

117 100

82 67.4 49.5 74.3

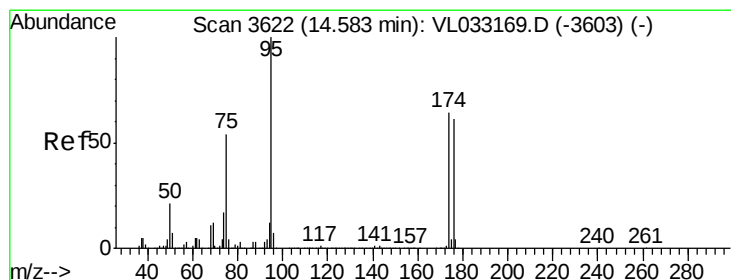
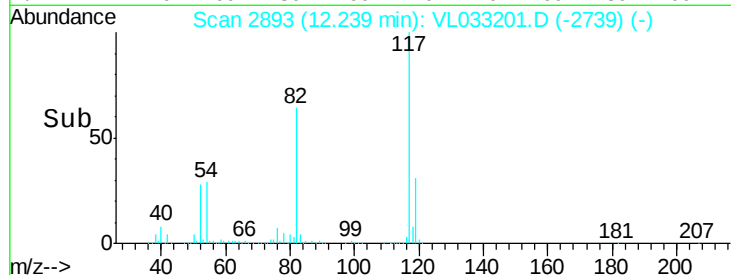
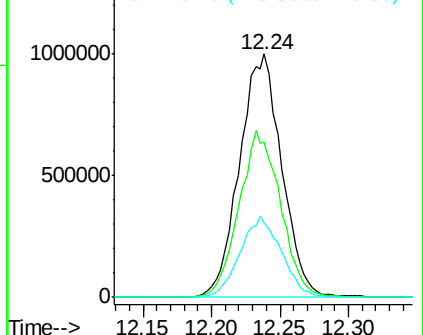
119 0.0 24.4 36.6#



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: 10.574 ppbv

RT: 14.57 min Scan# 3619

Delta R.T. -0.01 min

Lab File: VL033201.D

Acq: 14 Feb 2019 16:23

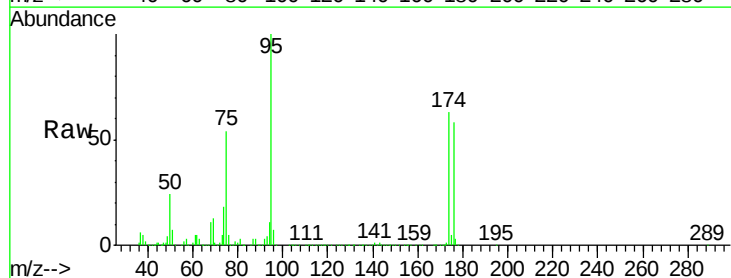
Tgt Ion: 95 Resp: 1739301

Ion Ratio Lower Upper

95 100

174 63.5 51.2 76.8

175 4.5 3.8 5.6



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

