

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032519\
 Data File : VL033453.D
 Acq On : 26 Mar 2019 2:05
 Operator : SY/AP
 Sample : K1991-04DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2DL

Quant Time: Mar 31 10:49:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 25 16:04:49 2019
 QLast Update : Mon Mar 25 16:04:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	793016	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1858562	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1813091	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1404524	9.88	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.80%

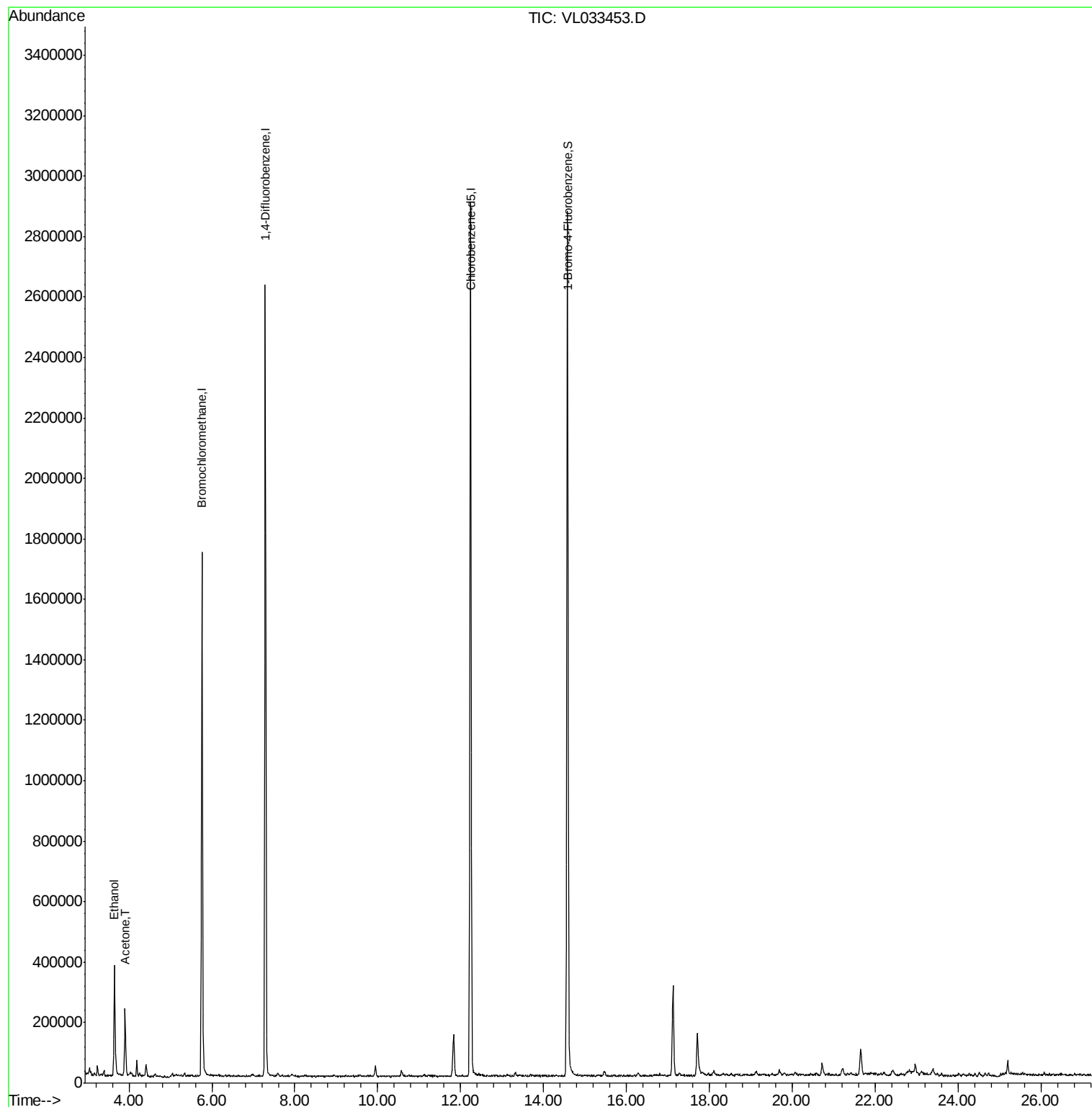
Target Compounds					Ovalue
13) Ethanol	3.65	45	403748	44.630 ppbv	65
15) Acetone	3.90	43	223235	2.341 ppbv	98

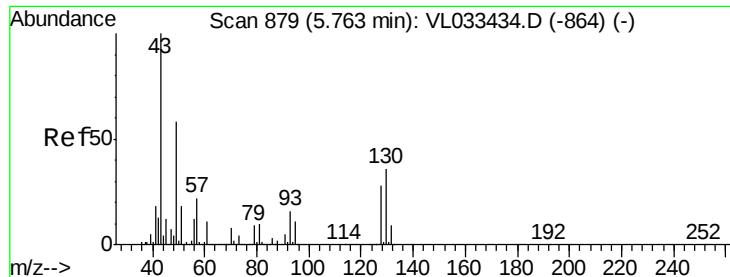
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.00 min

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MSVOA_L

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IA-2DL

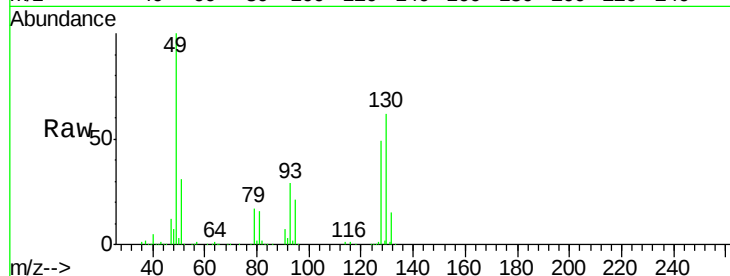
Tot Ion: 49 Resp: 793016

Ion Ratio Lower Upper

49 100

128 48.9 24.0 72.0

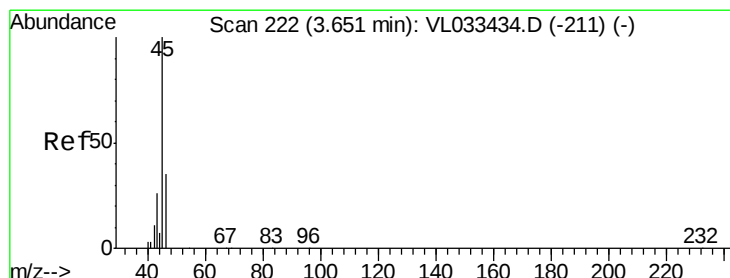
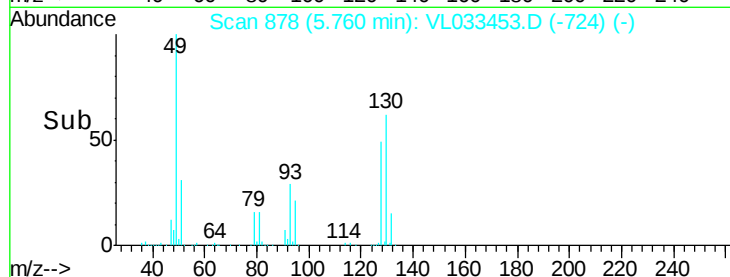
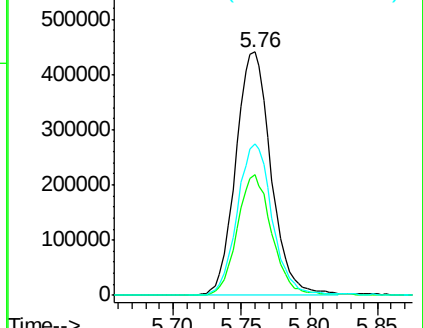
130 62.5 31.2 93.6



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



#13

Ethanol

Concen: 44.630 ppbv

RT: 3.65 min Scan# 221

Delta R.T. -0.00 min

Lab File: VL033453.D

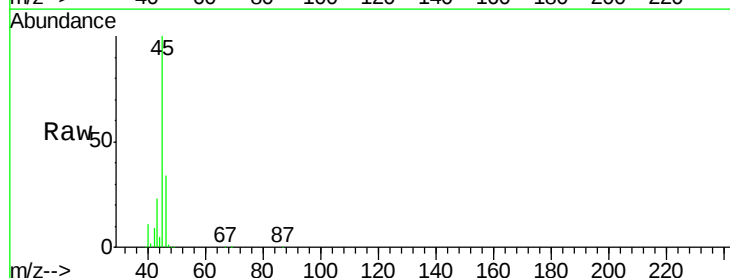
Acq: 26 Mar 2019 2:05

Tgt Ion: 45 Resp: 403748

Ion Ratio Lower Upper

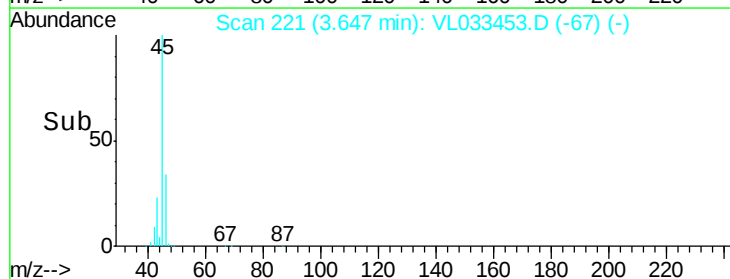
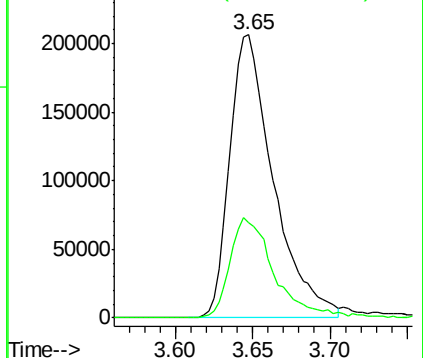
45 100

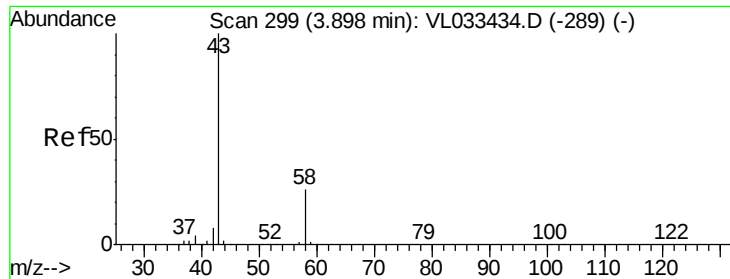
46 36.1 25.4 101.8



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 2.341 ppbv

RT: 3.90 min Scan# 300

Delta R.T. 0.00 min

Lab File: VL033453.D

Acq: 26 Mar 2019 2:05

Instrument :

MSVOA_L

ClientSampleId :

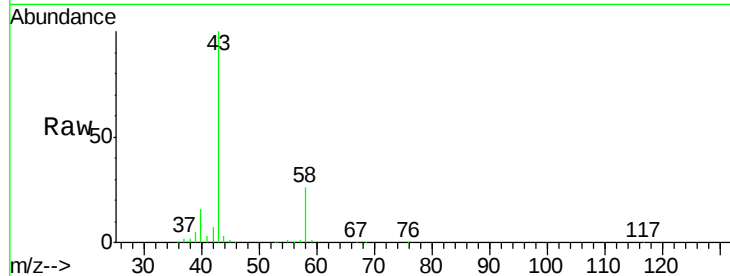
IA-2DL

Tot Ion: 43 Resp: 223235

Ion Ratio Lower Upper

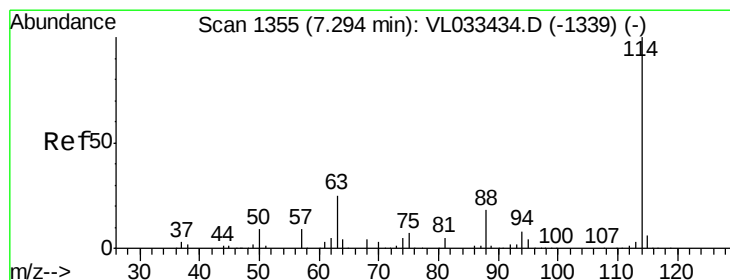
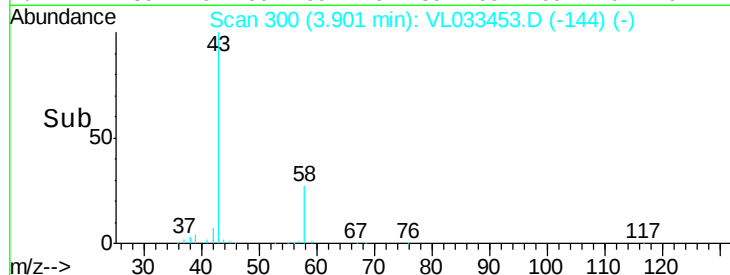
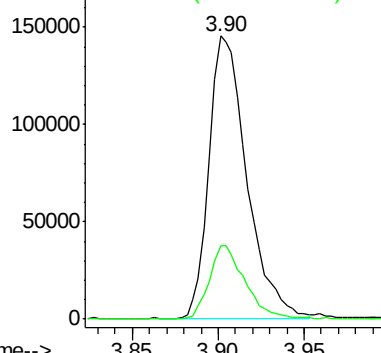
43 100

58 24.7 20.5 30.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1353

Delta R.T. -0.01 min

Lab File: VL033453.D

Acq: 26 Mar 2019 2:05

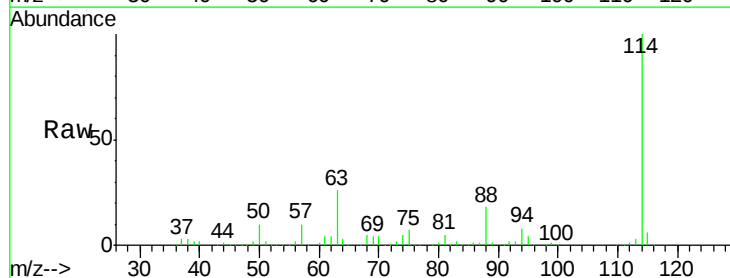
Tgt Ion: 114 Resp: 1858562

Ion Ratio Lower Upper

114 100

63 25.7 21.5 32.3

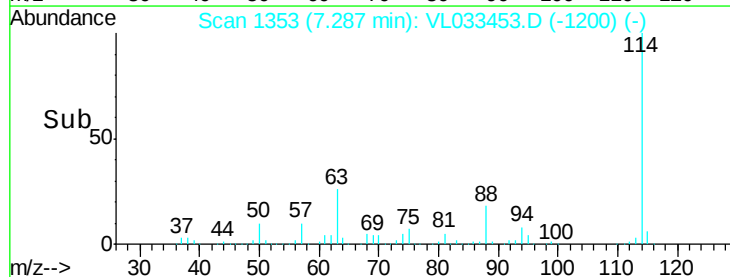
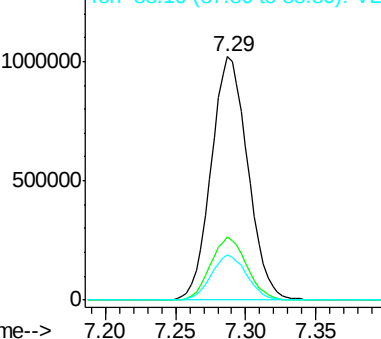
88 18.2 14.5 21.7

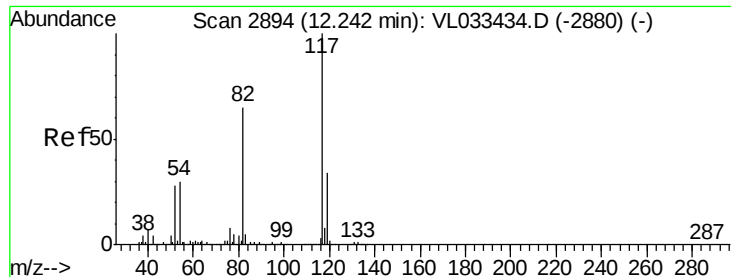


Abundance Ion 114.10 (113.80 to 114.80): V

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: 12.24 min Scan# 2893

Delta R.T. -0.00 min

Lab File: VL033453.D

Acq: 26 Mar 2019 2:05

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IA-2DL

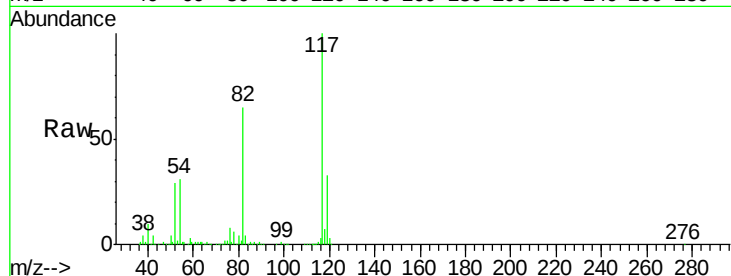
Tot Ion:117 Resp: 1813091

Ion Ratio Lower Upper

117 100

82 65.7 51.5 77.3

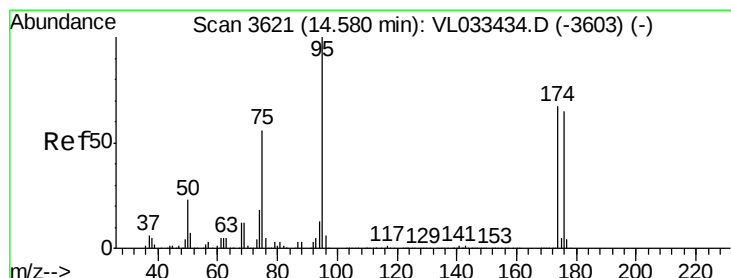
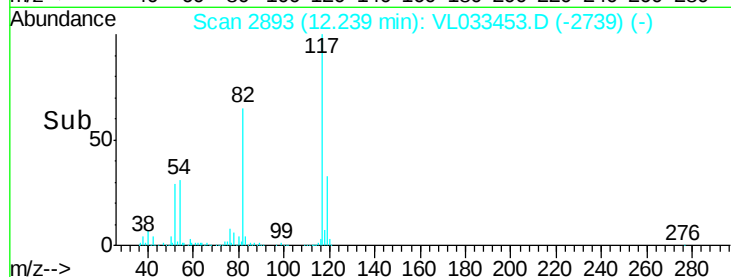
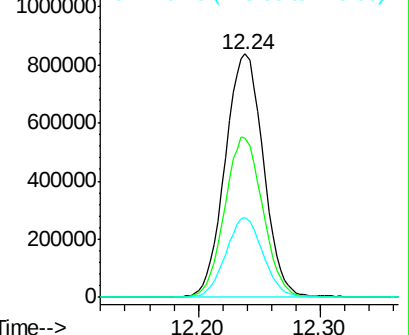
119 32.2 25.5 38.3



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: 9.881 ppbv

RT: 14.57 min Scan# 3619

Delta R.T. -0.01 min

Lab File: VL033453.D

Acq: 26 Mar 2019 2:05

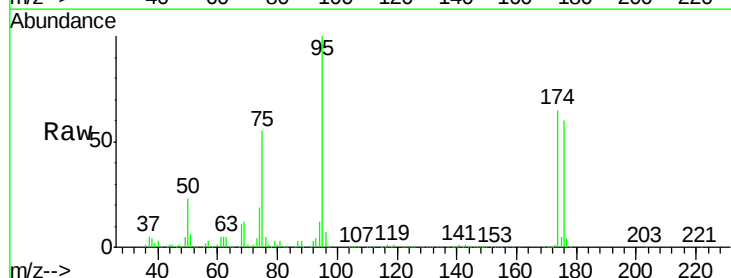
Tgt Ion: 95 Resp: 1404524

Ion Ratio Lower Upper

95 100

174 66.3 52.9 79.3

175 4.8 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

