

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL102115\
 Data File : VL026239.D
 Acq On : 21 Oct 2015 15:51
 Operator : SY/MD
 Sample : G4112-02DL 200X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 RB-SUBSLAB-239DL

Quant Time: Oct 22 11:54:39 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102015AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LWed Oct 21 01:20:55 2015
 QLast Update : Wed Oct 21 01:20:55 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.63	49	470110	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	8.30	114	1374826	10.00	ppbv	-0.01
55) Chlorobenzene-d5	13.71	117	1661546	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.25	95	1324224	10.33	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.30%

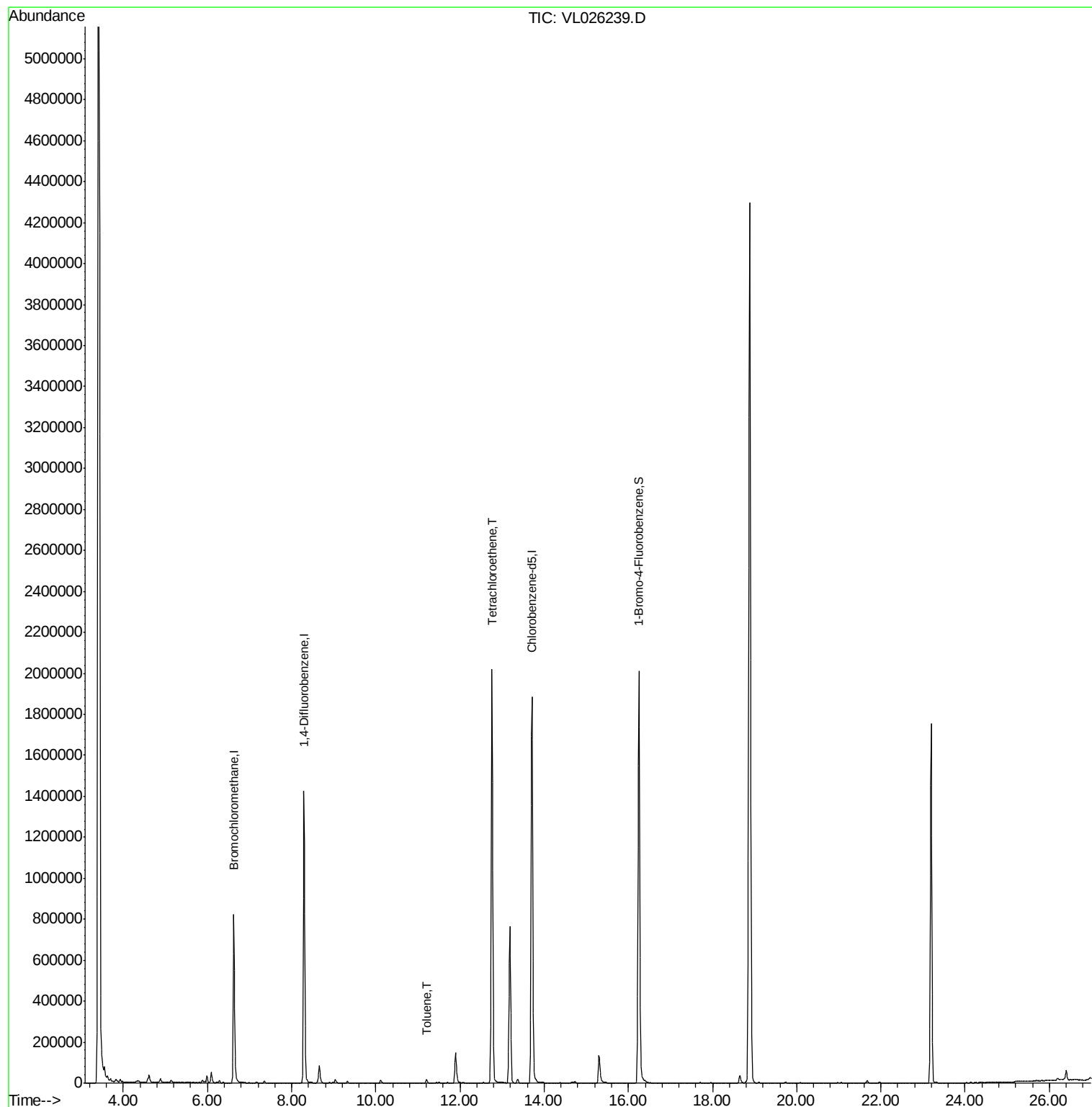
Target Compounds						Ovalue
52) Tetrachloroethene	12.76	164	688170	8.57	ppbv	99
53) Toluene	11.20	91	20491	0.11	ppbv	95

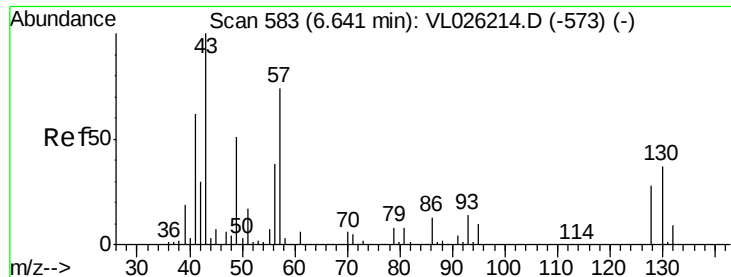
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Oct 21 01:20:55 2015
QLast Update : Wed Oct 21 01:20:55 2015
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.63 min Scan# 581

Delta R.T. -0.01 min

Lab File: VL026239.D

Acq: 21 Oct 2015 15:51

Instrument :

MSVOA_L

ClientSampleId :

RB-SUBSLAB-239DL

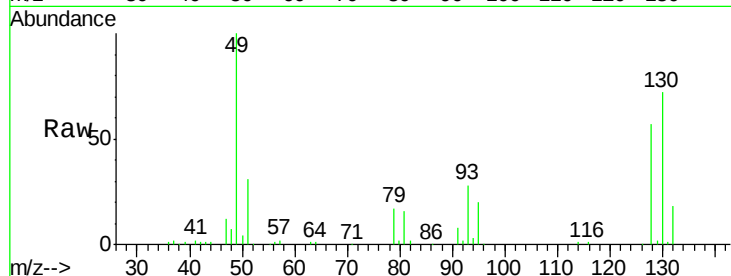
Tot Ion: 49 Resp: 470110

Ion Ratio Lower Upper

49 100

128 57.5 28.2 84.7

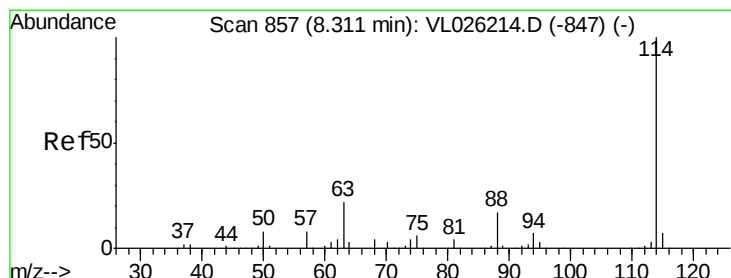
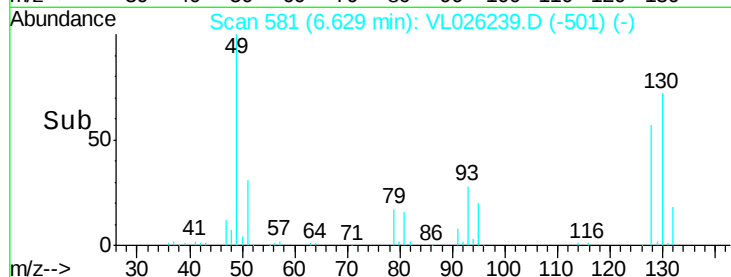
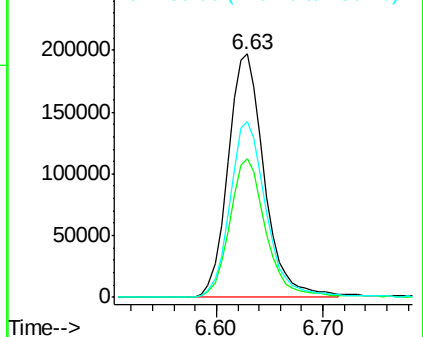
130 73.8 36.0 108.1



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



#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 8.30 min Scan# 855

Delta R.T. -0.01 min

Lab File: VL026239.D

Acq: 21 Oct 2015 15:51

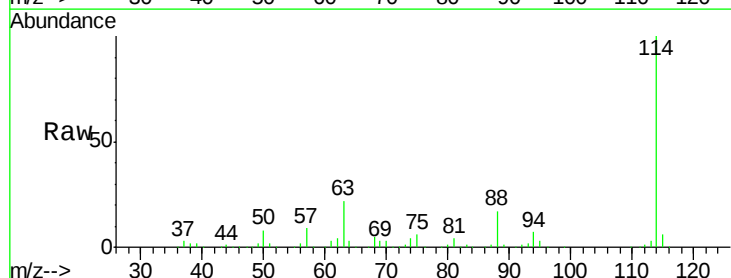
Tgt Ion: 114 Resp: 1374826

Ion Ratio Lower Upper

114 100

63 22.5 18.2 27.4

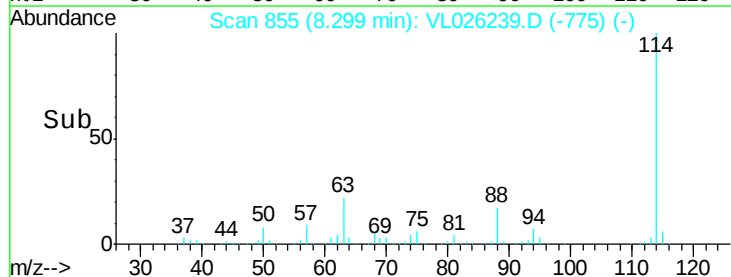
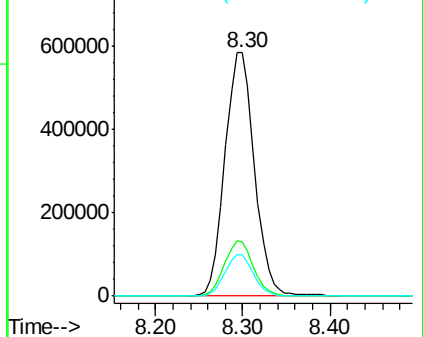
88 16.7 13.5 20.3

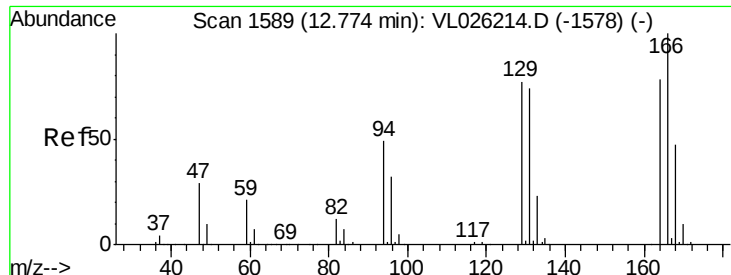


Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#52

Tetrachloroethene

Concen: 8.57 ppbv

RT: 12.76 min Scan# 1587

Delta R.T. -0.01 min

Lab File: VL026239.D

Acq: 21 Oct 2015 15:51

Instrument :

MSVOA_L

ClientSampleId :

RB-SUBSLAB-239DL

Tot Ion:164 Resp: 688170

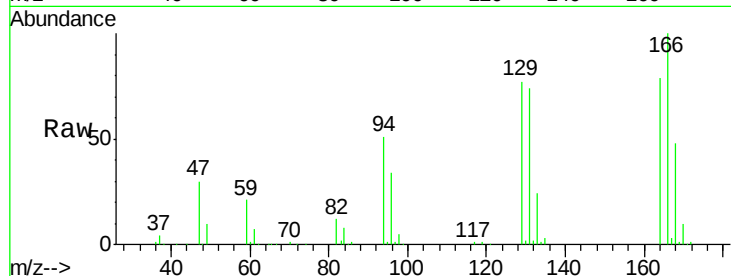
Ion Ratio Lower Upper

164 100

166 126.7 102.3 153.5

129 97.6 78.2 117.4

131 94.3 75.7 113.5

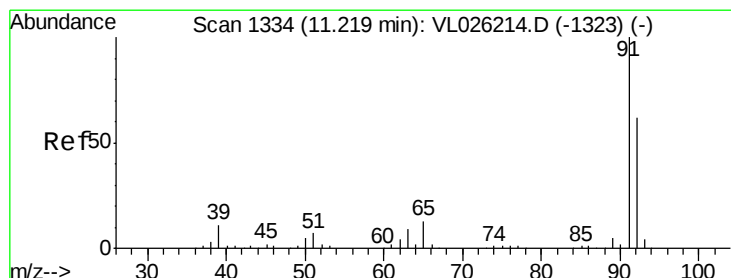
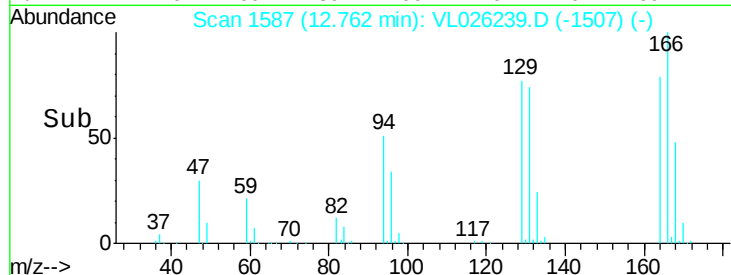
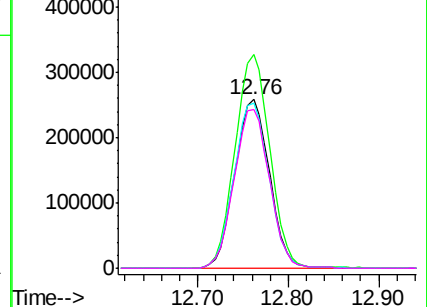


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 0.11 ppbv

RT: 11.20 min Scan# 1331

Delta R.T. -0.02 min

Lab File: VL026239.D

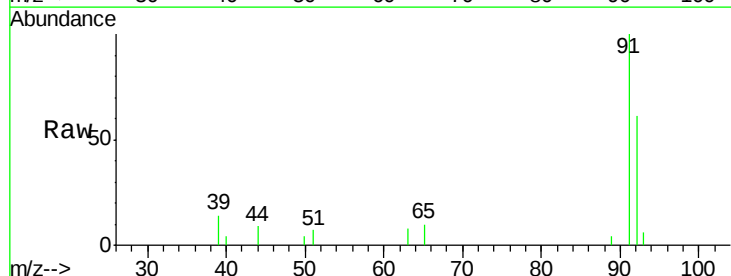
Acq: 21 Oct 2015 15:51

Tgt Ion: 91 Resp: 20491

Ion Ratio Lower Upper

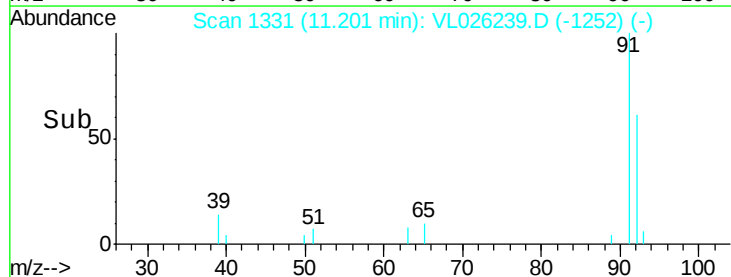
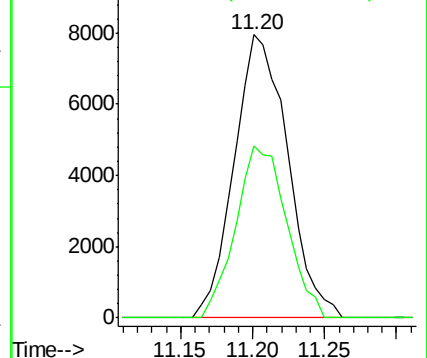
91 100

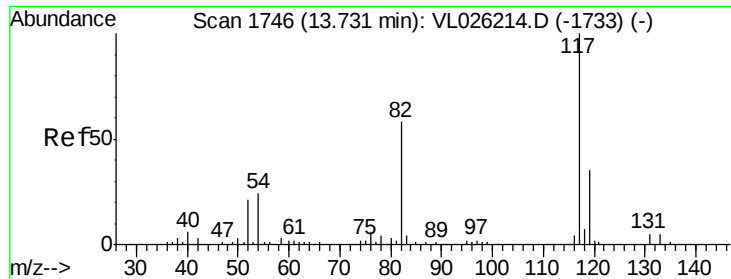
92 57.7 49.2 73.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

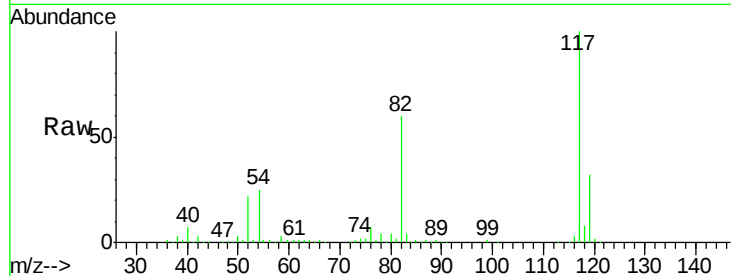




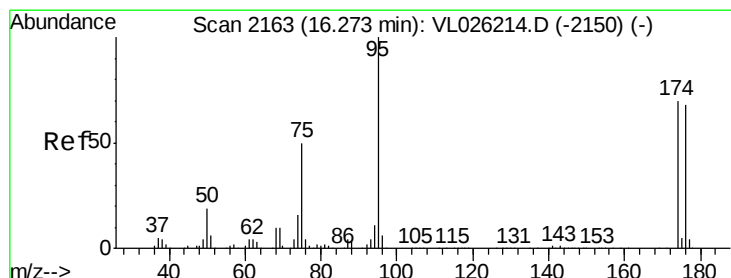
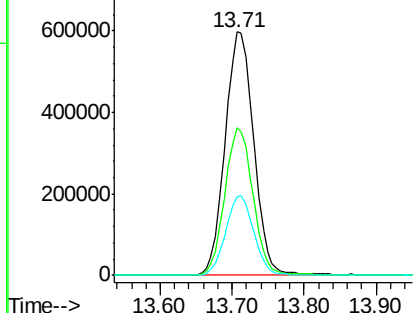
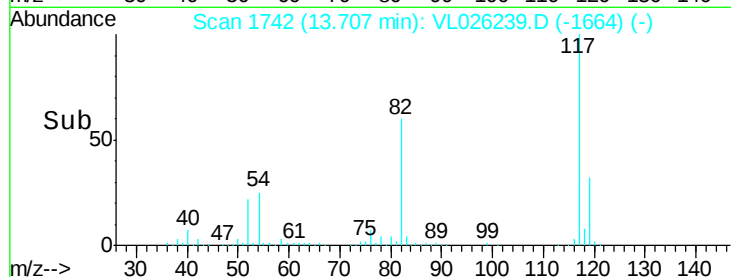
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.71 min Scan# 1742
Delta R.T. -0.02 min
Lab File: VL026239.D
Acq: 21 Oct 2015 15:51

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Tot Ion:117 Resp: 1661546
Ion Ratio Lower Upper
117 100
82 60.1 45.8 68.8
119 32.2 45.0 67.4#

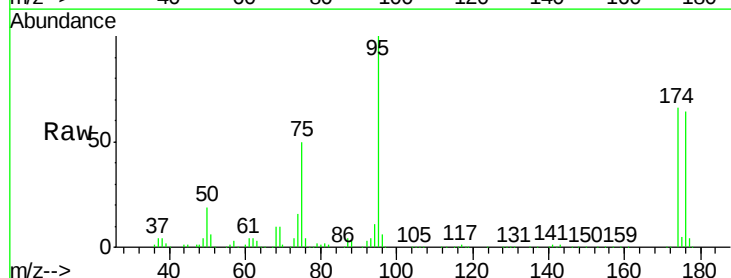


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 10.33 ppbv
RT: 16.25 min Scan# 2159
Delta R.T. -0.02 min
Lab File: VL026239.D
Acq: 21 Oct 2015 15:51

Tgt Ion: 95 Resp: 1324224
Ion Ratio Lower Upper
95 100
174 68.6 55.8 83.8
175 5.2 4.3 6.5



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

