

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL102115\
 Data File : VL026249.D
 Acq On : 21 Oct 2015 22:22
 Operator : SY/MD
 Sample : G4128-01DL3 667X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 INFDL3

Quant Time: Oct 22 15:01:51 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102015AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Wed 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	6.62	49	431294	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	8.29	114	1246100	10.00	ppbv	-0.02
55) Chlorobenzene-d5	13.71	117	1543283	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.25	95	1213785	10.20	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.00%

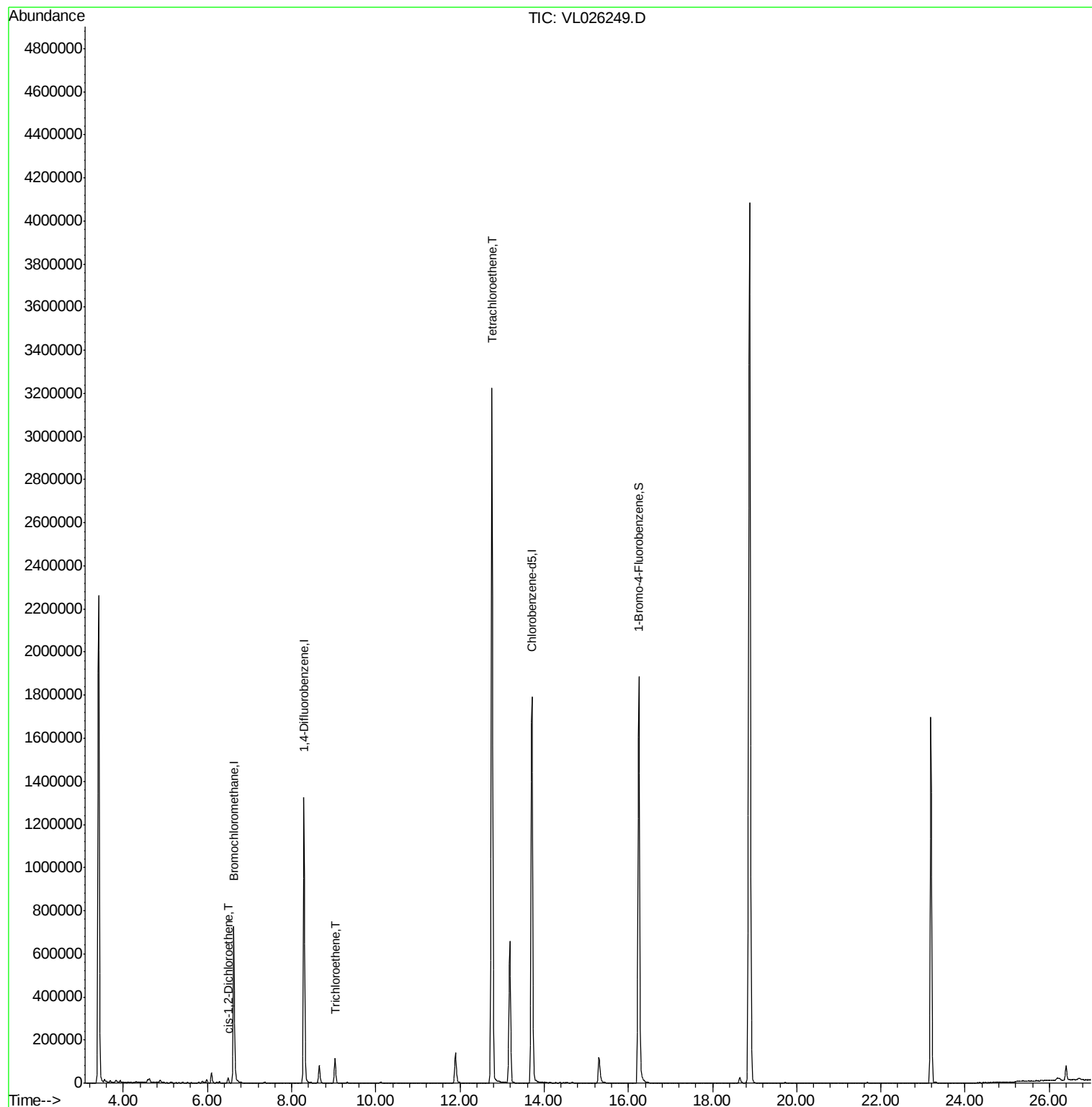
Target Compounds						Ovalue
31) cis-1,2-Dichloroethene	6.49	61	17329	0.32	ppbv	91
38) Trichloroethene	9.03	130	47617	0.77	ppbv	99
52) Tetrachloroethene	12.76	164	1094000	15.03	ppbv	97

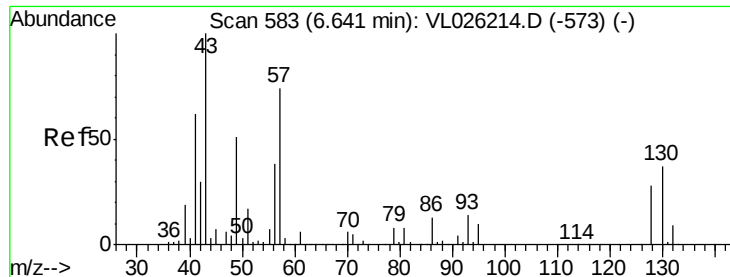
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102015AIR.M
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: 6.62 min Scan# 580

Delta R.T. -0.02 min

Lab File: VL026249.D

Acq: 21 Oct 2015 22:22

Instrument :

MSVOA_L

ClientSampleId :

INFDL3

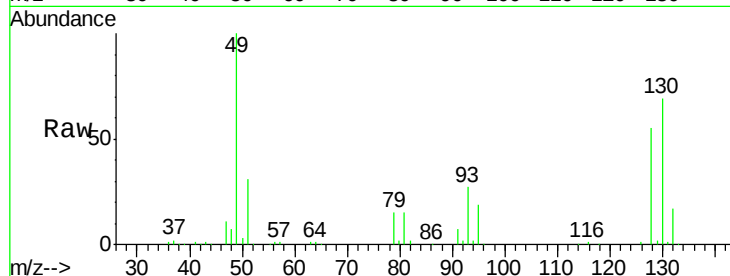
Tot Ion: 49 Resp: 431294

Ion Ratio Lower Upper

49 100

128 57.0 28.2 84.7

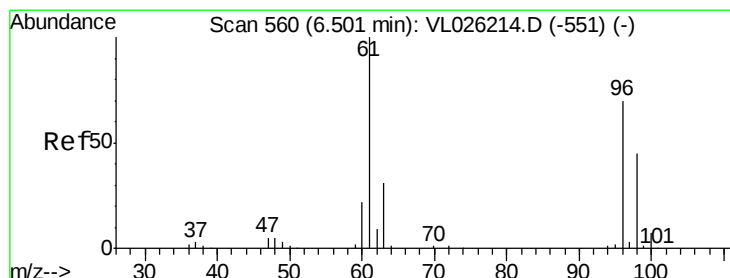
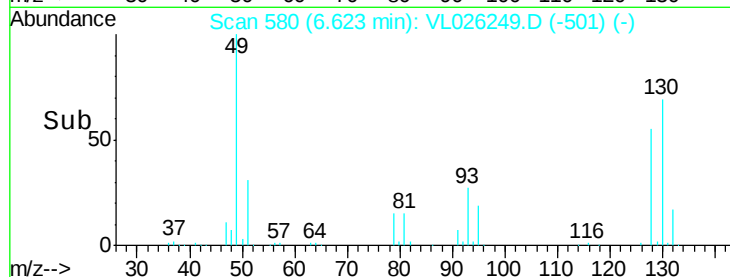
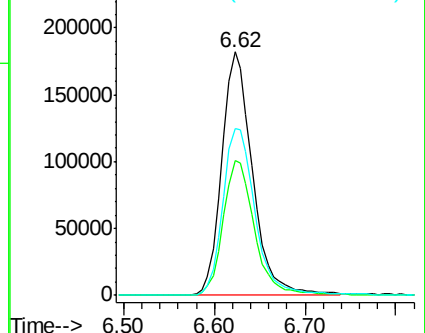
130 72.7 36.0 108.1



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



#31

cis-1,2-Dichloroethene

Concen: 0.32 ppbv

RT: 6.49 min Scan# 558

Delta R.T. -0.01 min

Lab File: VL026249.D

Acq: 21 Oct 2015 22:22

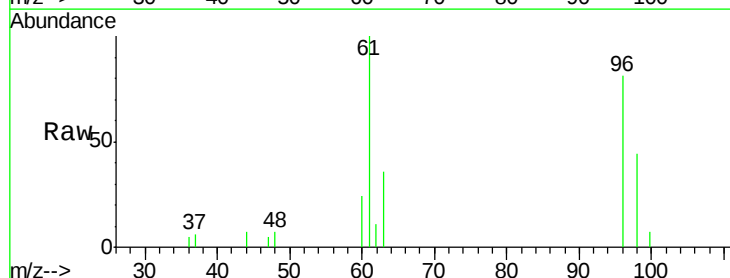
Tgt Ion: 61 Resp: 17329

Ion Ratio Lower Upper

61 100

96 80.8 56.0 84.0

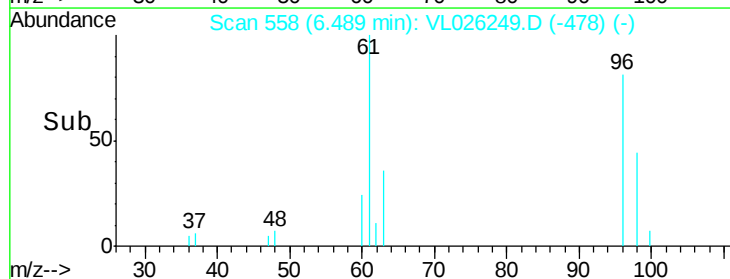
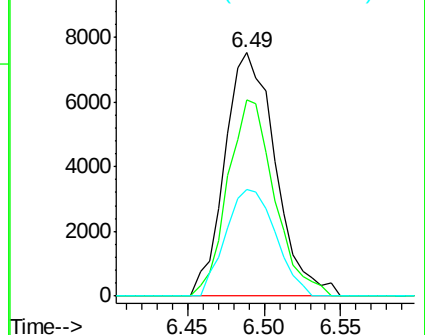
98 44.0 36.1 54.1

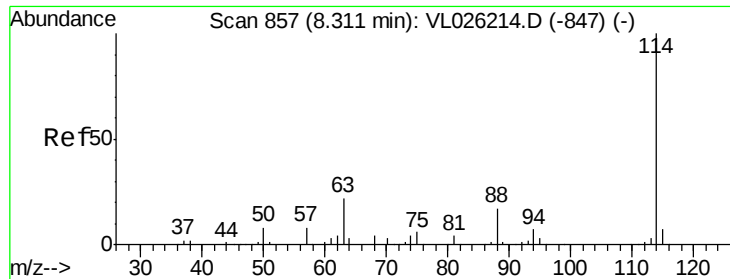


Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0

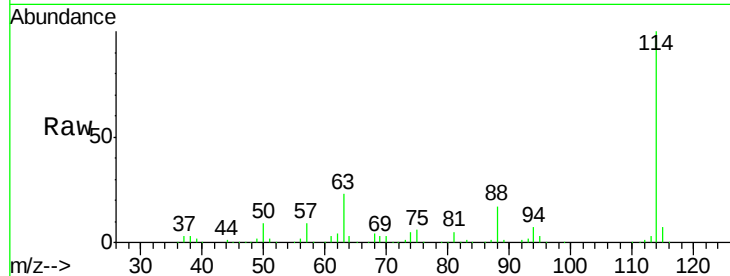




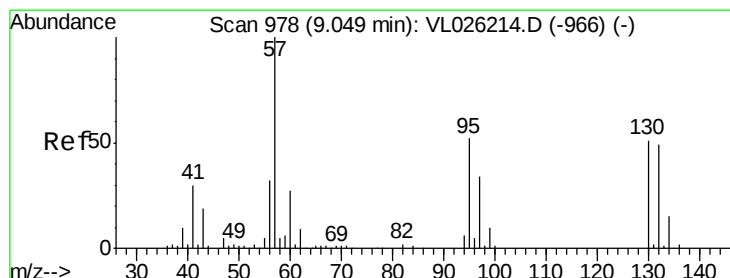
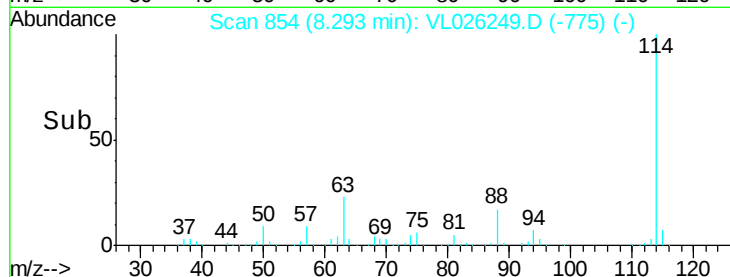
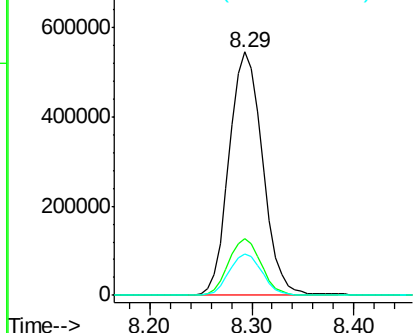
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.29 min Scan# 854
 Delta R.T. -0.02 min
 Lab File: VL026249.D
 Acq: 21 Oct 2015 22:22

Instrument :
 MSVOA_L
 ClientSampleId :
 INFDL3

Tot Ion:114 Resp: 1246100
 Ion Ratio Lower Upper
 114 100
 63 22.9 18.2 27.4
 88 16.8 13.5 20.3

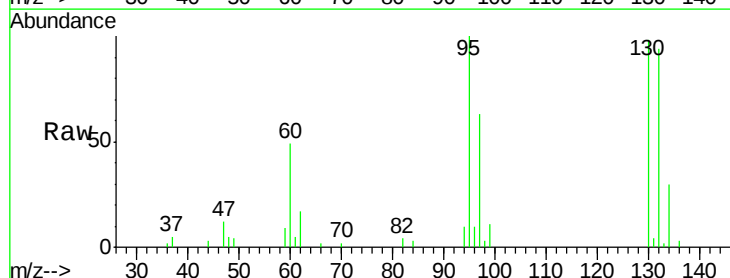


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

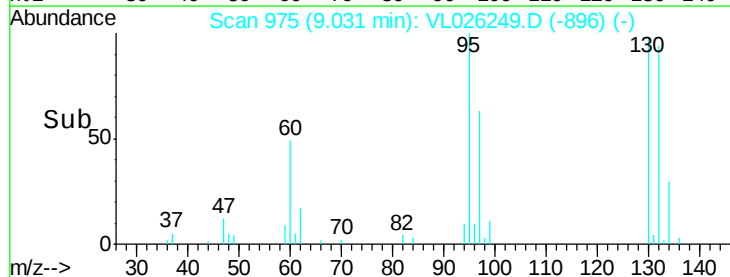
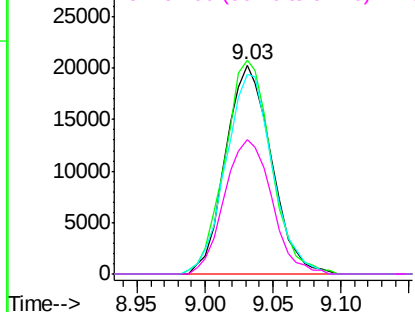


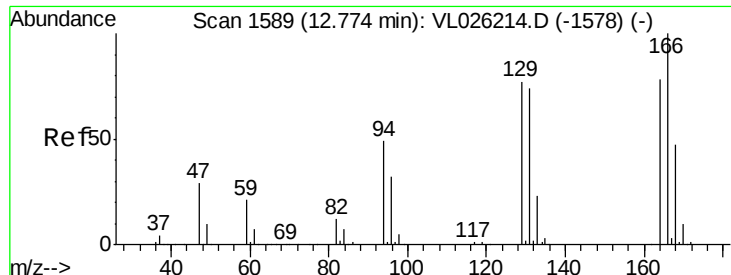
#38
 Trichloroethene
 Concen: 0.77 ppbv
 RT: 9.03 min Scan# 975
 Delta R.T. -0.02 min
 Lab File: VL026249.D
 Acq: 21 Oct 2015 22:22

Tgt Ion:130 Resp: 47617
 Ion Ratio Lower Upper
 130 100
 95 102.2 81.0 121.4
 132 95.7 76.5 114.7
 97 64.4 52.5 78.7



Abundance Ion 130.00 (129.70 to 130.70): V
 Ion 95.00 (94.70 to 95.70): VL0
 Ion 132.00 (131.70 to 132.70): V
 Ion 97.00 (96.70 to 97.70): VL0





#52

Tetrachloroethene

Concen: 15.03 ppbv

RT: 12.76 min Scan# 1586

Delta R.T. -0.02 min

Lab File: VL026249.D

Acq: 21 Oct 2015 22:22

Instrument :

MSVOA_L

ClientSampleId :

INFDL3

Tot Ion:164 Resp: 1094000

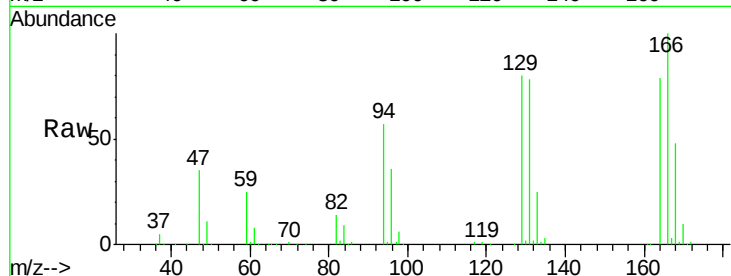
Ion Ratio Lower Upper

164 100

166 126.0 102.3 153.5

129 100.6 78.2 117.4

131 98.2 75.7 113.5

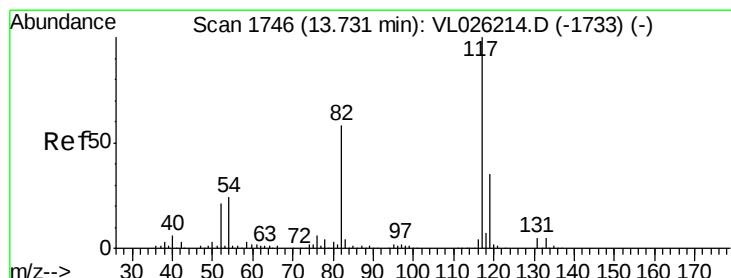
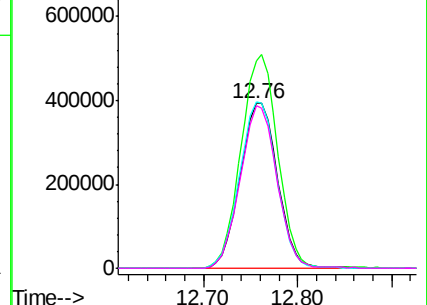
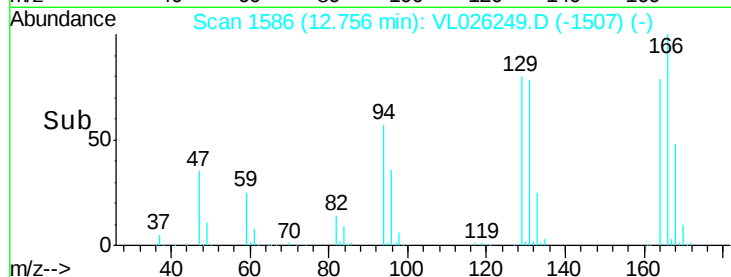


Abundance Ion 163.90 (163.60 to 164.60): V

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



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 13.71 min Scan# 1742

Delta R.T. -0.02 min

Lab File: VL026249.D

Acq: 21 Oct 2015 22:22

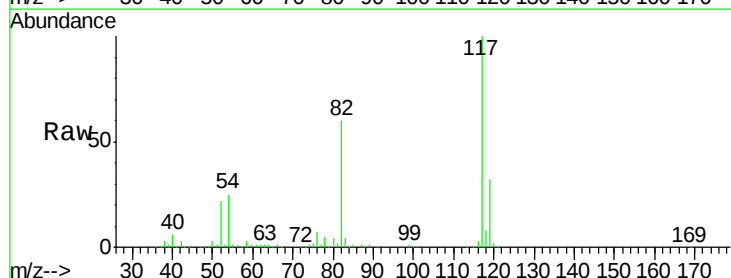
Tgt Ion:117 Resp: 1543283

Ion Ratio Lower Upper

117 100

82 60.4 45.8 68.8

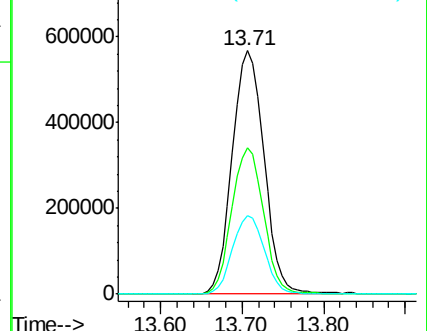
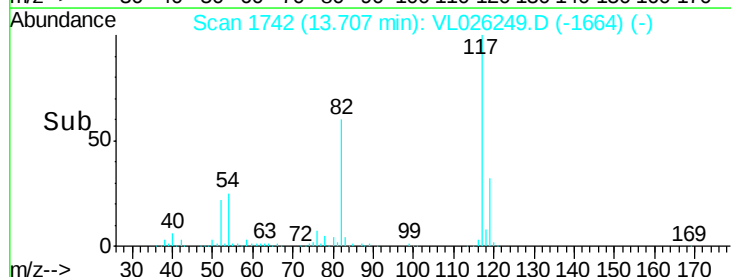
119 33.0 45.0 67.4#

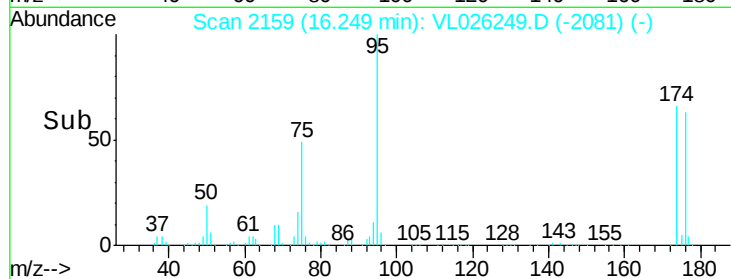
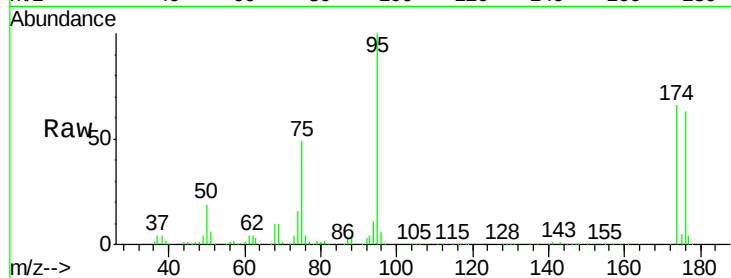
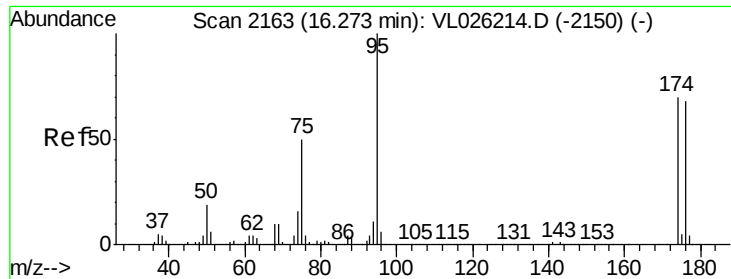


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.20 ppbv

RT: 16.25 min Scan# 2159

Delta R.T. -0.02 min

Lab File: VL026249.D

Acq: 21 Oct 2015 22:22

Instrument :

MSVOA_L

ClientSampleId :

INFDL3

Tot Ion: 95 Resp: 1213785

Ion Ratio Lower Upper

95 100

174 67.2 55.8 83.8

175 4.9 4.3 6.5

