

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL100915\
 Data File : VL026196.D
 Acq On : 10 Oct 2015 4:15
 Operator : SY/MD
 Sample : G3925-01DL 40X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-1DL

Quant Time: Oct 12 03:47:26 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL100915AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Oct 09 16:23:14 2015
 QLast Update : Fri Oct 09 16:23:14 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.65	49	342390	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	8.32	114	1169203	10.00	ppbv	-0.02
55) Chlorobenzene-d5	13.74	117	1305771	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.28	95	1054039	10.52	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.20%

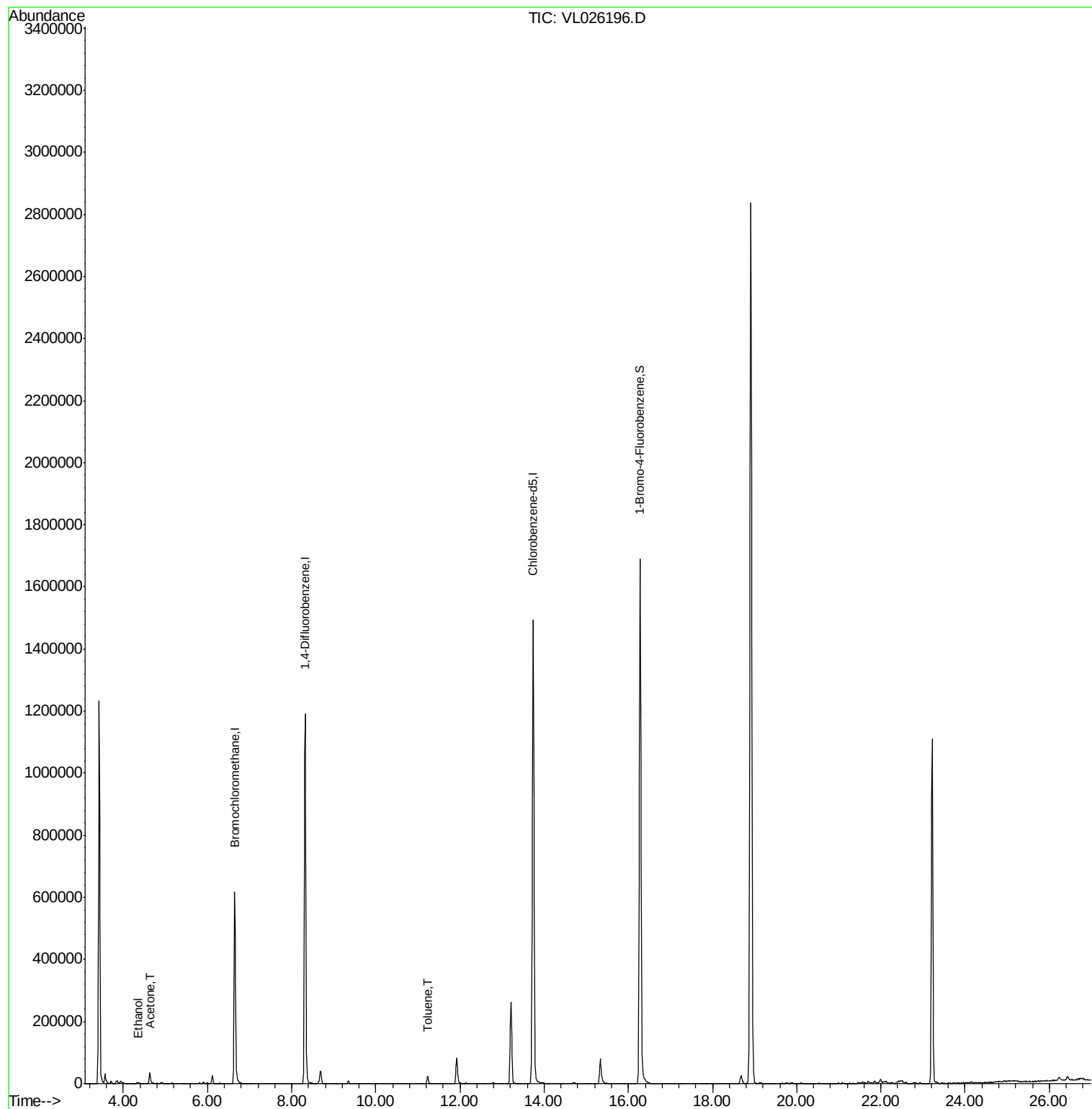
Target Compounds					Ovalue
13) Ethanol	4.37	45	1001	0.37 ppbv	# 31
15) Acetone	4.63	43	48157	1.09 ppbv	# 85
53) Toluene	11.23	91	24124	0.17 ppbv	99

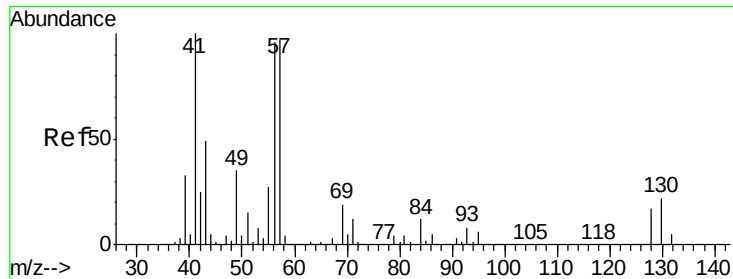
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Oct 09 16:23:14 2015
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.65 min Scan# 584

Delta R.T. -0.01 min

Lab File: VL026196.D

Acq: 10 Oct 2015 4:15

Instrument :

MSVOA_L

ClientSampleId :

SG-1DL

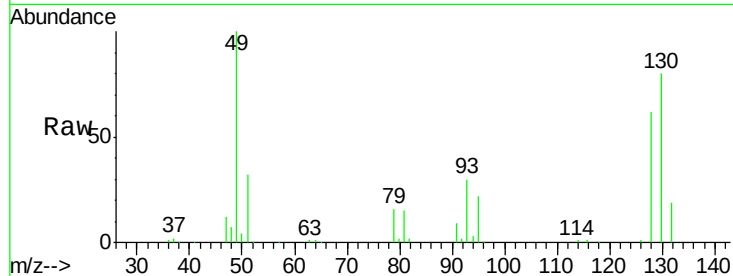
Tot Ion: 49 Resp: 342390

Ion Ratio Lower Upper

49 100

128 63.3 26.3 78.8

130 83.1 34.2 102.5



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

200000

150000

100000

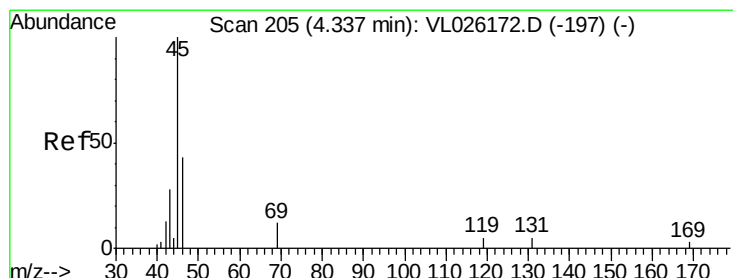
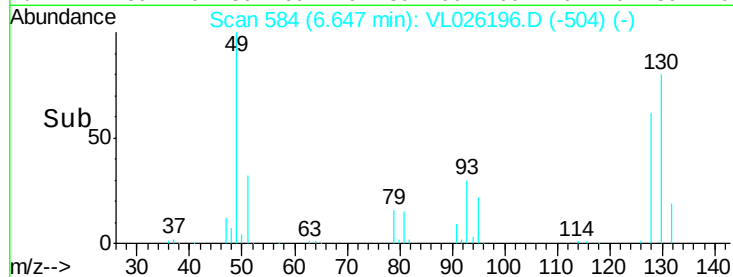
50000

0

6.65

6.50 6.60 6.70 6.80

Time-->



#13

Ethanol

Concen: 0.37 ppbv

RT: 4.37 min Scan# 210

Delta R.T. 0.03 min

Lab File: VL026196.D

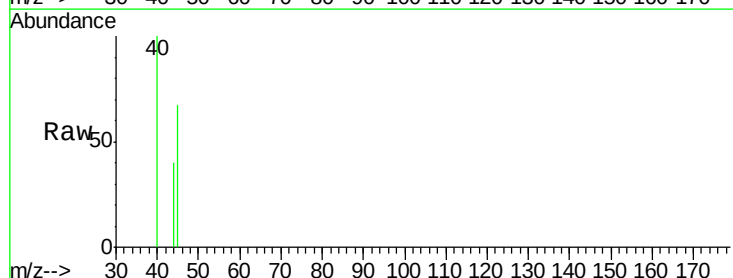
Acq: 10 Oct 2015 4:15

Tgt Ion: 45 Resp: 1001

Ion Ratio Lower Upper

45 100

46 0.0 18.1 72.5#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

600

500

400

300

200

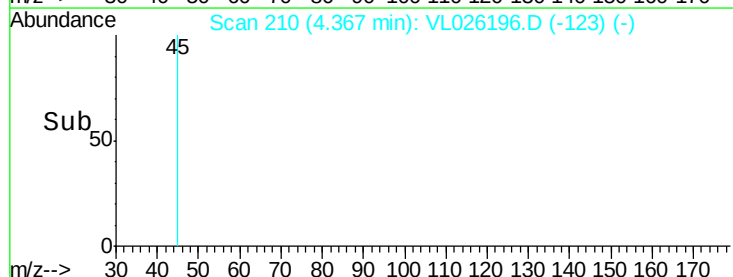
100

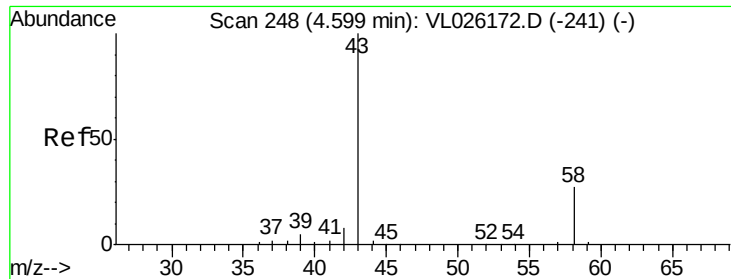
0

4.37

4.34 4.36 4.38 4.40

Time-->





#15

Acetone

Concen: 1.09 ppbv

RT: 4.63 min Scan# 253

Delta R.T. 0.03 min

Lab File: VL026196.D

Acq: 10 Oct 2015 4:15

Instrument :

MSVOA_L

ClientSampleId :

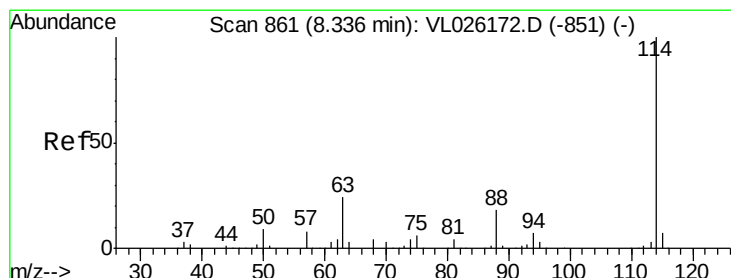
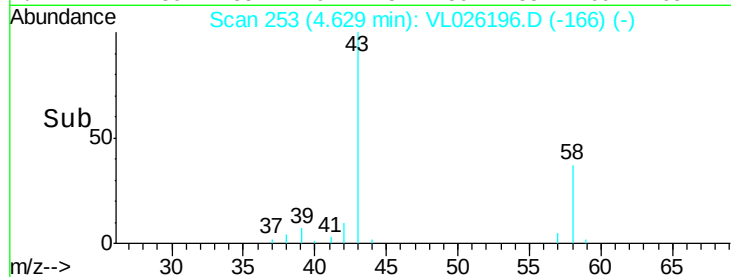
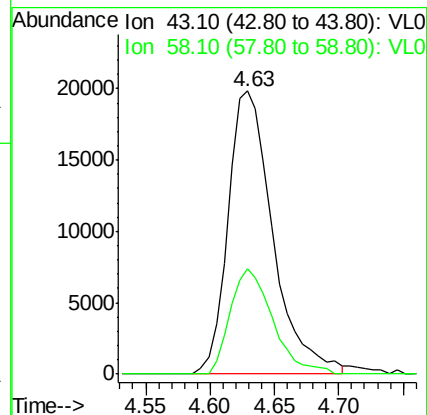
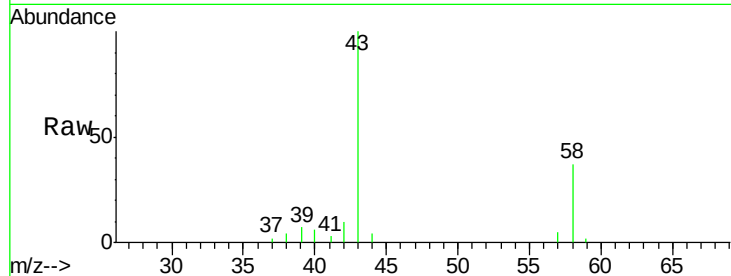
SG-1DL

Tot Ion: 43 Resp: 48157

Ion Ratio Lower Upper

43 100

58 35.1 22.0 33.0#



#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 8.32 min Scan# 858

Delta R.T. -0.02 min

Lab File: VL026196.D

Acq: 10 Oct 2015 4:15

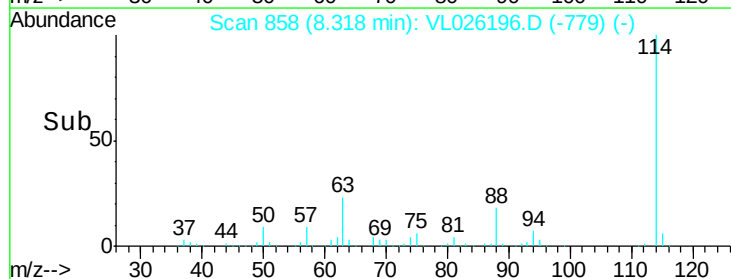
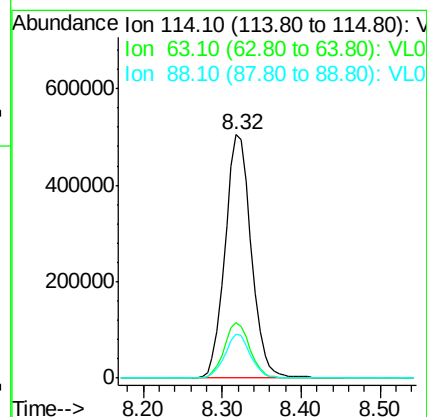
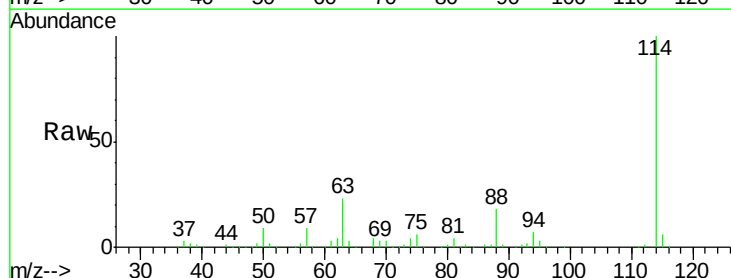
Tgt Ion: 114 Resp: 1169203

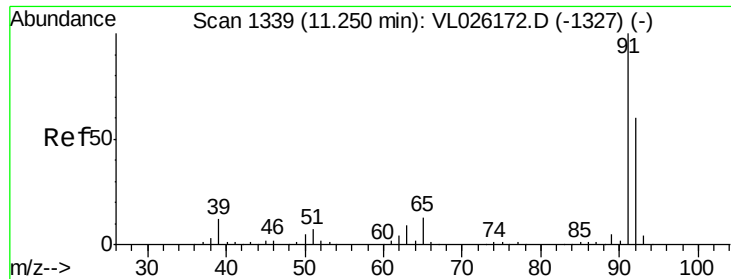
Ion Ratio Lower Upper

114 100

63 22.4 19.0 28.6

88 17.5 13.8 20.8





#53

Toluene

Concen: 0.17 ppbv

RT: 11.23 min Scan# 1336

Delta R.T. -0.02 min

Lab File: VL026196.D

Acq: 10 Oct 2015 4:15

Instrument :

MSVOA_L

ClientSampleId :

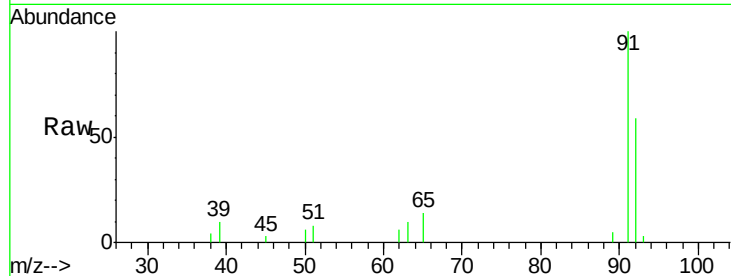
SG-1DL

Tot Ion: 91 Resp: 24124

Ion Ratio Lower Upper

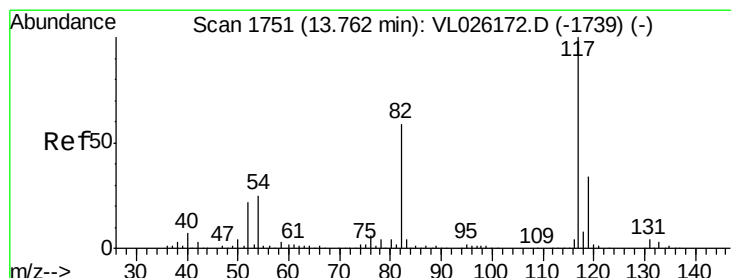
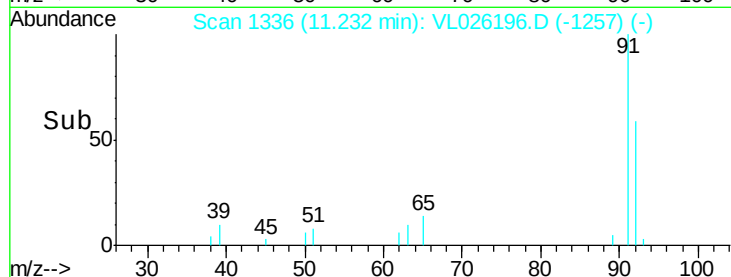
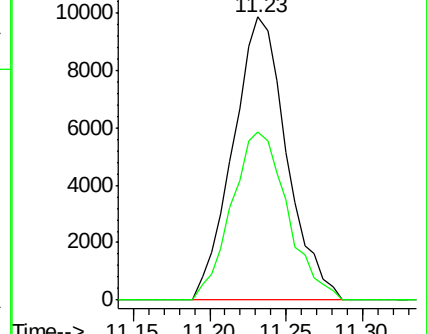
91 100

92 61.5 48.5 72.7



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: 13.74 min Scan# 1747

Delta R.T. -0.02 min

Lab File: VL026196.D

Acq: 10 Oct 2015 4:15

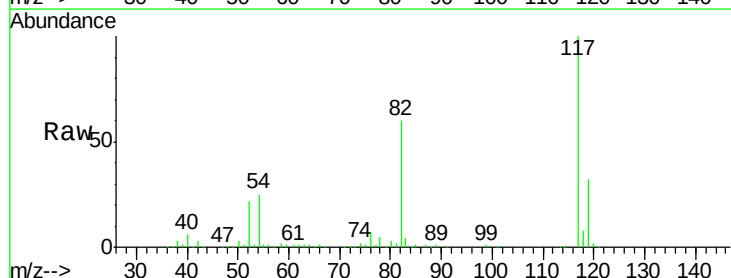
Tgt Ion: 117 Resp: 1305771

Ion Ratio Lower Upper

117 100

82 60.1 47.7 71.5

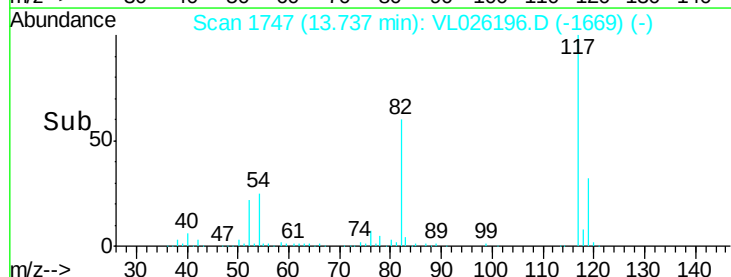
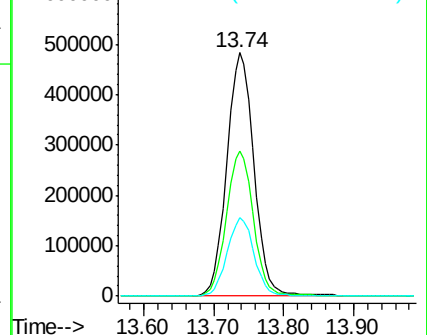
119 32.4 43.7 65.5#

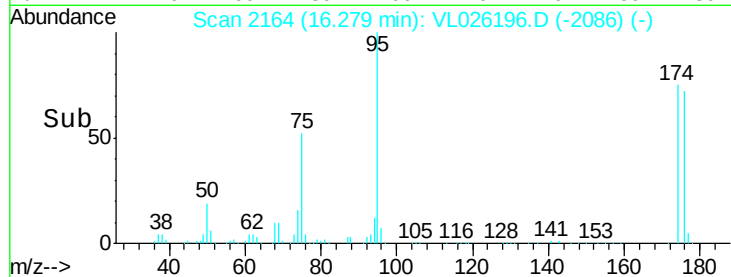
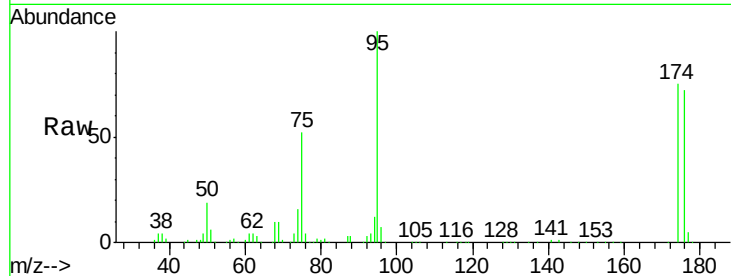
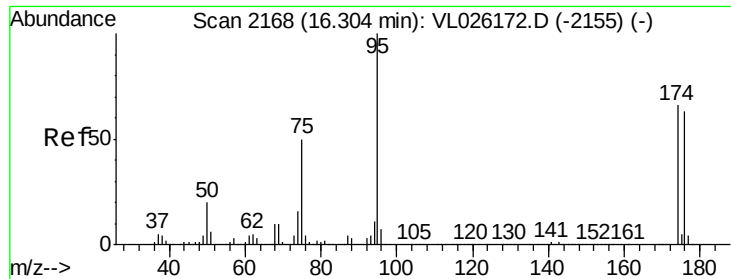


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.52 ppbv

RT: 16.28 min Scan# 2164

Delta R.T. -0.02 min

Lab File: VL026196.D

Acq: 10 Oct 2015 4:15

Instrument :

MSVOA_L

ClientSampleId :

SG-1DL

Tot Ion: 95 Resp: 1054039

Ion Ratio Lower Upper

95 100

174 75.7 52.2 78.4

175 0.2 3.9 5.9#

