

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL072715\
 Data File : VL025768.D
 Acq On : 28 Jul 2015 1:00
 Operator : SY/MD
 Sample : G3100-03DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-1DL

Quant Time: Jul 28 04:28:38 2015
 Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL070715AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08 02:22:55 2015
 QLast Update : Wed Jul 08 02:22:55 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.65	49	891166	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.32	114	2381015	10.00	ppbv	-0.01
55) Chlorobenzene-d5	13.74	117	2917350	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.28	95	2503213	10.17	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.70%

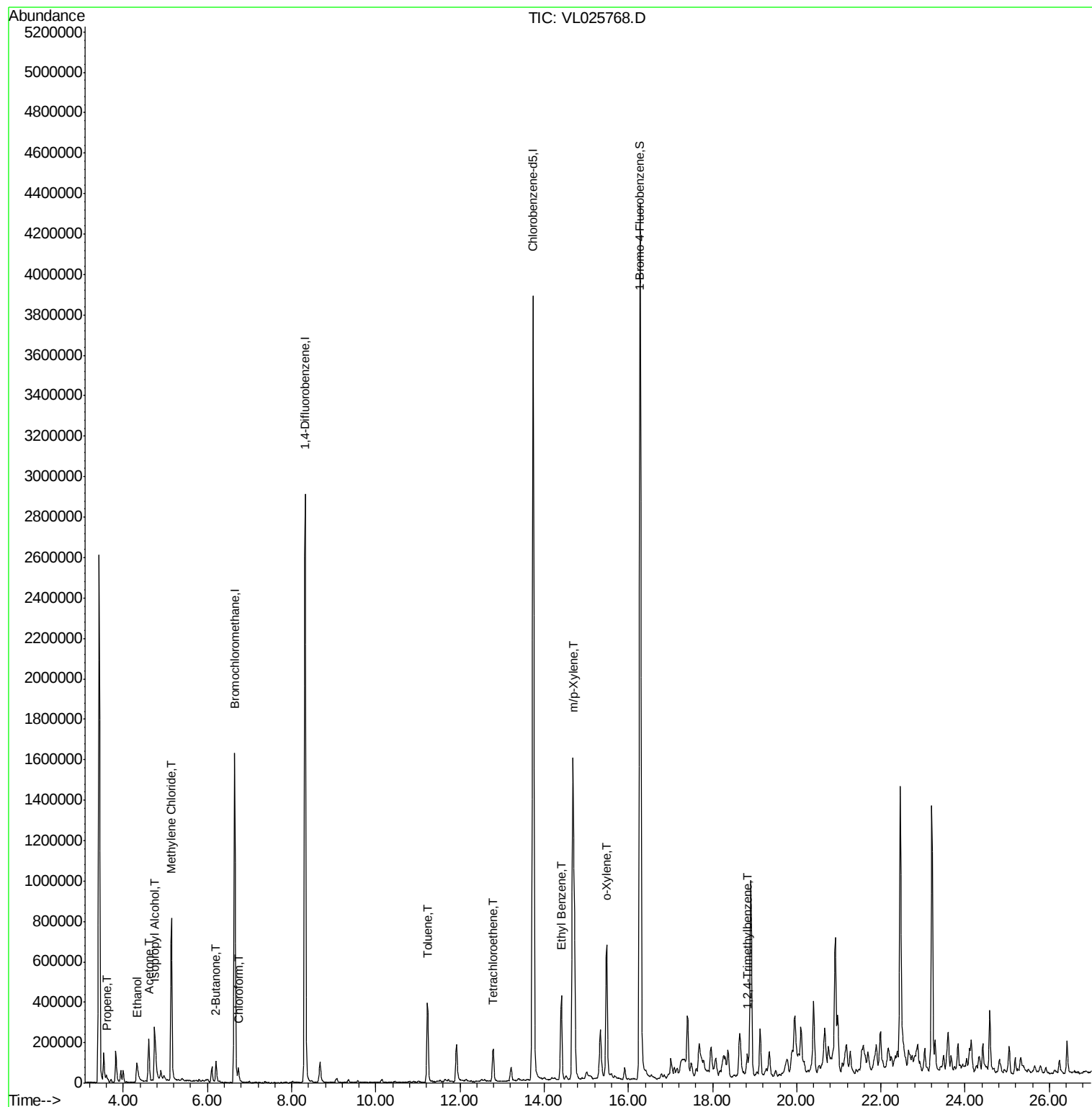
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	3.59	41	12846	0.31	ppbv	91
13) Ethanol	4.32	45	159071	24.52	ppbv	95
15) Acetone	4.60	43	190892	1.21	ppbv #	85
19) Isopropyl Alcohol	4.75	45	456941	7.27	ppbv	100
20) Methylene Chloride	5.14	84	363729	5.69	ppbv	97
29) Chloroform	6.74	83	49864	0.23	ppbv	98
34) 2-Butanone	6.20	43	141065	1.04	ppbv	100
52) Tetrachloroethene	12.79	164	49519	0.43	ppbv	82
53) Toluene	11.23	91	360453	1.12	ppbv	100
58) Ethyl Benzene	14.41	91	434330	0.90	ppbv	99
59) m/p-Xylene	14.68	91	1928669	4.55	ppbv	99
60) o-Xylene	15.49	91	611614	1.34	ppbv	99
74) 1,2,4-Trimethylbenzene	18.83	105	55543	0.10	ppbv #	67

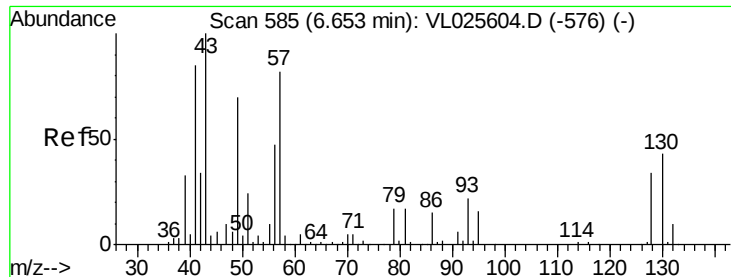
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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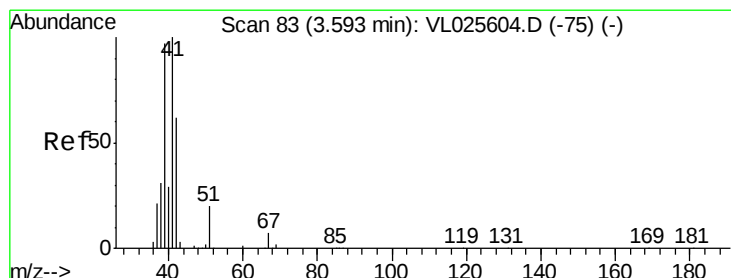
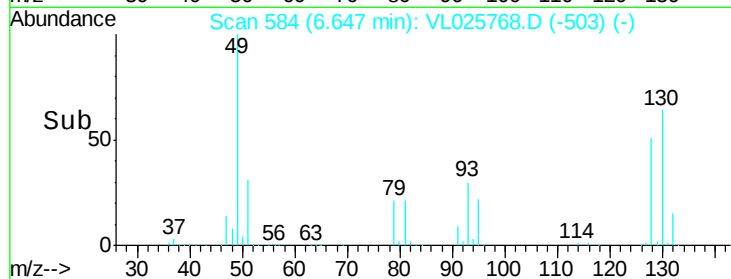
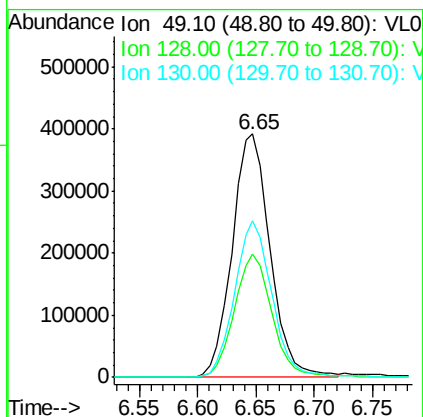
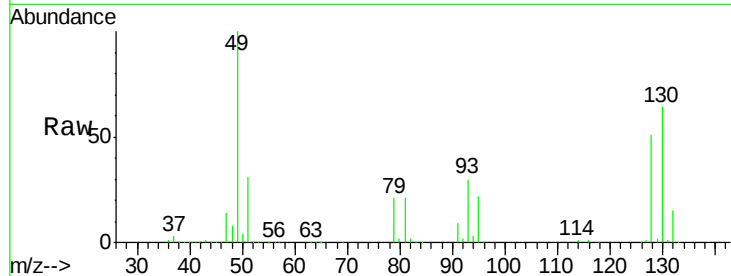




#1
 Bromochloromethane
 Concen: 10.00 ppbv
 RT: 6.65 min Scan# 584
 Delta R.T. -0.01 min
 Lab File: VL025768.D
 Acq: 28 Jul 2015 1:00

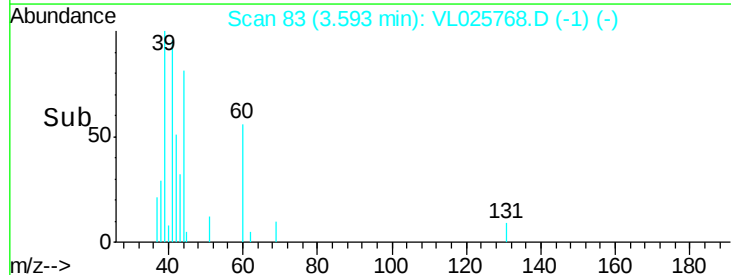
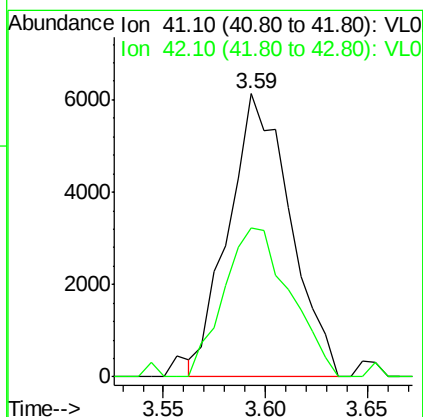
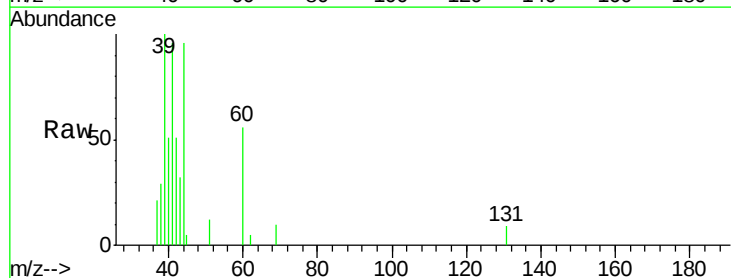
Instrument :
 MSVOA_L
 ClientSampleId :
 SV-1DL

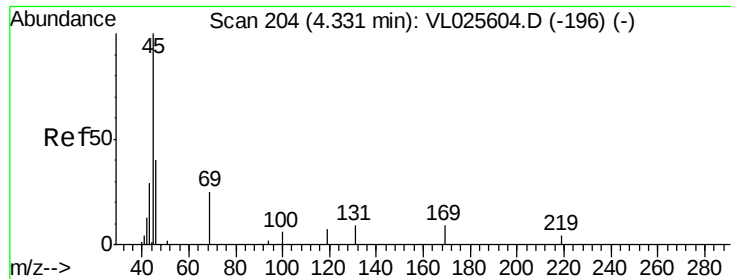
Tgt Ion: 49 Resp: 891166
 Ion Ratio Lower Upper
 49 100
 128 50.7 25.4 76.0
 130 64.2 31.9 95.9



#9
 Propene
 Concen: 0.31 ppbv
 RT: 3.59 min Scan# 83
 Delta R.T. 0.00 min
 Lab File: VL025768.D
 Acq: 28 Jul 2015 1:00

Tgt Ion: 41 Resp: 12846
 Ion Ratio Lower Upper
 41 100
 42 58.5 52.4 78.6





#13

Ethanol

Concen: 24.52 ppbv

RT: 4.32 min Scan# 203

Delta R.T. -0.01 min

Lab File: VL025768.D

Acq: 28 Jul 2015 1:00

Instrument :

MSVOA_L

ClientSampleId :

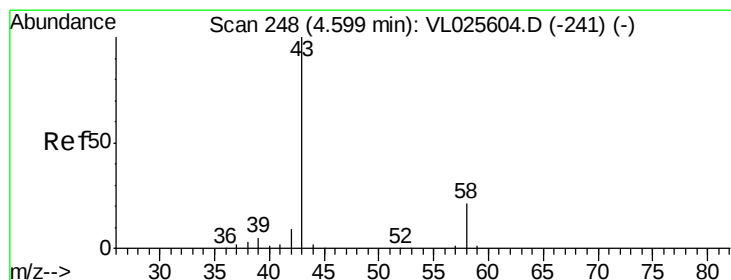
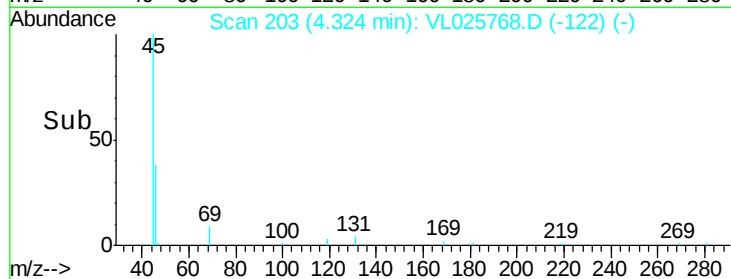
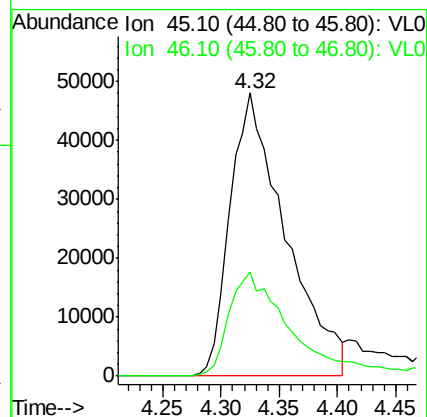
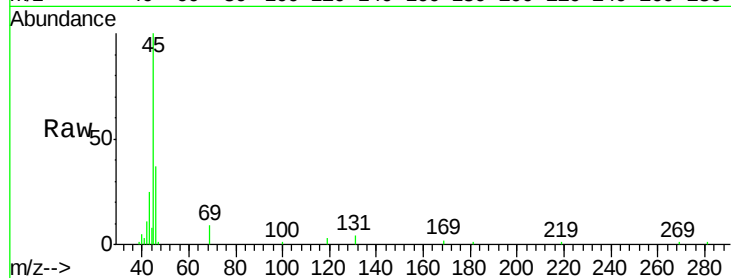
SV-1DL

Tgt Ion: 45 Resp: 159071

Ion Ratio Lower Upper

45 100

46 43.2 16.0 64.0



#15

Acetone

Concen: 1.21 ppbv

RT: 4.60 min Scan# 249

Delta R.T. 0.01 min

Lab File: VL025768.D

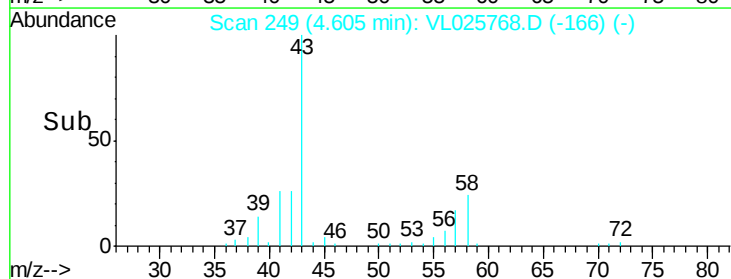
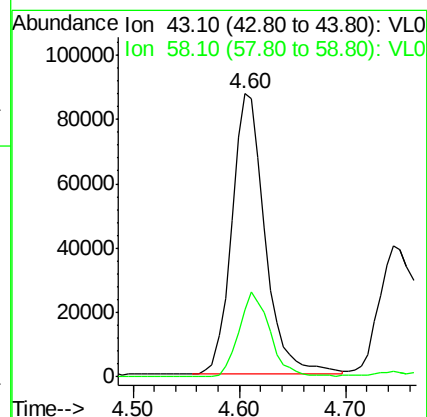
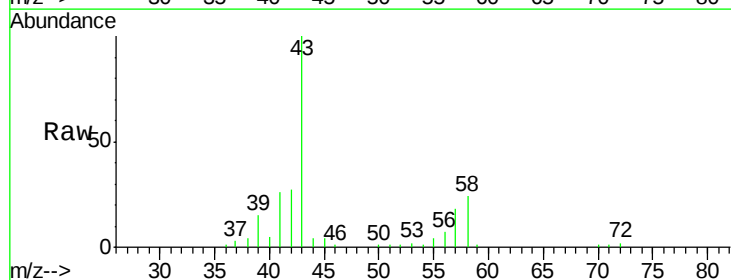
Acq: 28 Jul 2015 1:00

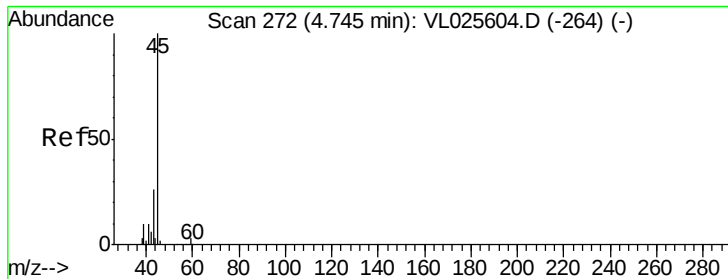
Tgt Ion: 43 Resp: 190892

Ion Ratio Lower Upper

43 100

58 28.7 17.2 25.8#





#19

Isopropyl Alcohol

Concen: 7.27 ppbv

RT: 4.75 min Scan# 272

Delta R.T. 0.00 min

Lab File: VL025768.D

Acq: 28 Jul 2015 1:00

Instrument :

MSVOA_L

ClientSampleId :

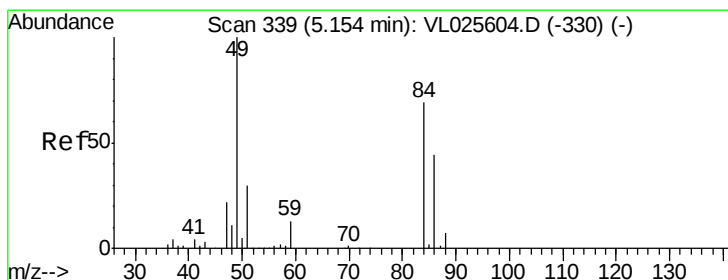
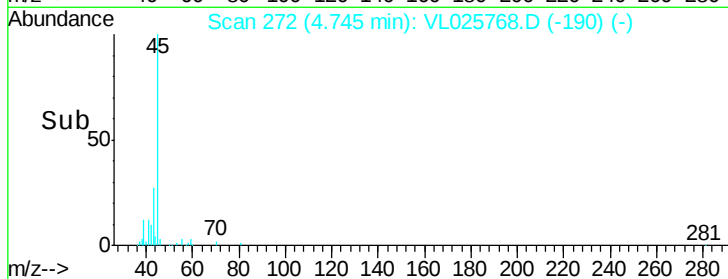
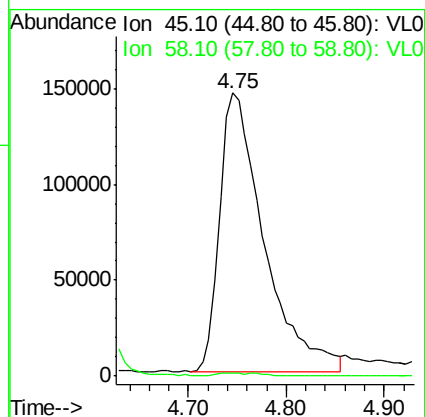
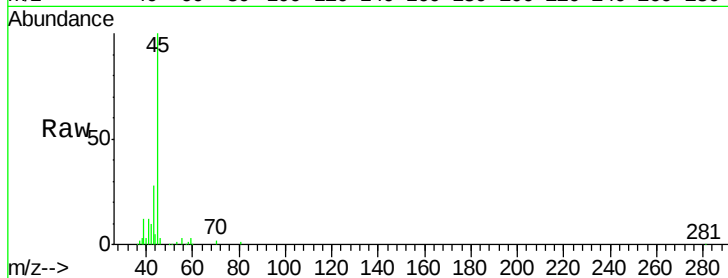
SV-1DL

Tgt Ion: 45 Resp: 456941

Ion Ratio Lower Upper

45 100

58 1.3 1.1 1.7



#20

Methylene Chloride

Concen: 5.69 ppbv

RT: 5.14 min Scan# 337

Delta R.T. -0.01 min

Lab File: VL025768.D

Acq: 28 Jul 2015 1:00

Tgt Ion: 84 Resp: 363729

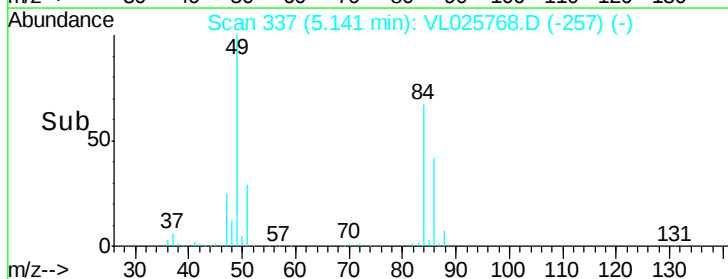
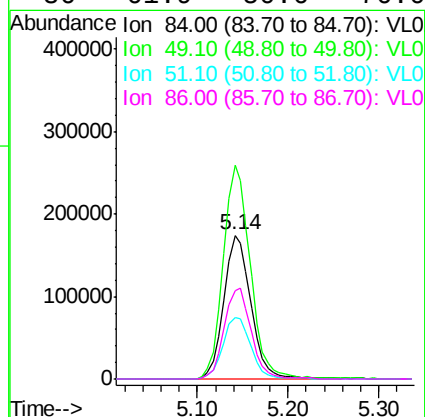
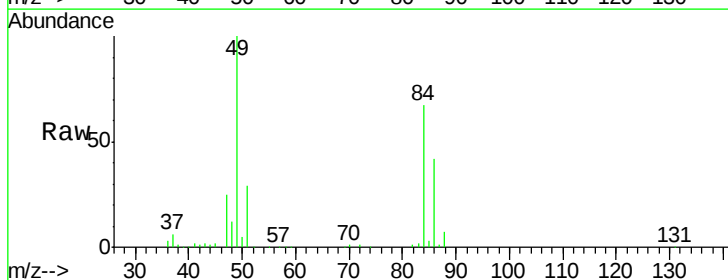
Ion Ratio Lower Upper

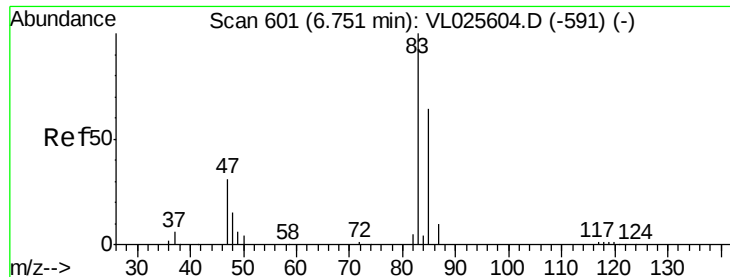
84 100

49 148.9 115.2 172.8

51 42.5 35.0 52.6

86 61.9 50.6 76.0





#29

Chloroform

Concen: 0.23 ppbv

RT: 6.74 min Scan# 599

Delta R.T. -0.01 min

Lab File: VL025768.D

Acq: 28 Jul 2015 1:00

Instrument :

MSVOA_L

ClientSampleId :

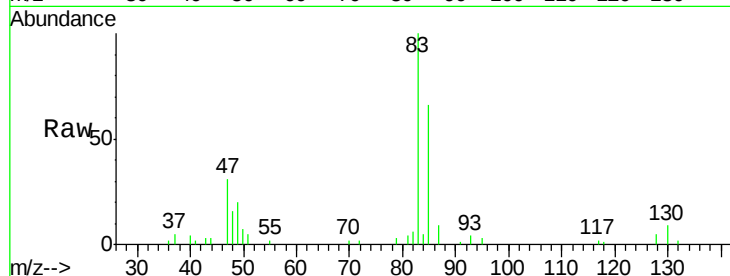
SV-1DL

Tgt Ion: 83 Resp: 49864

Ion Ratio Lower Upper

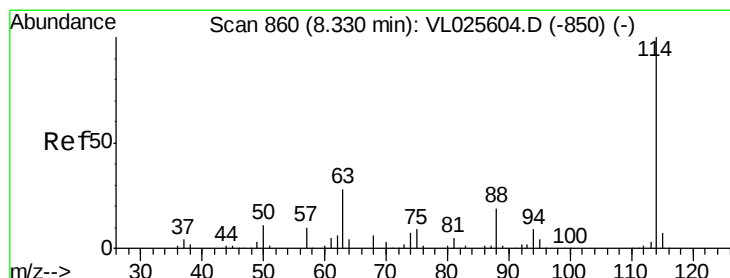
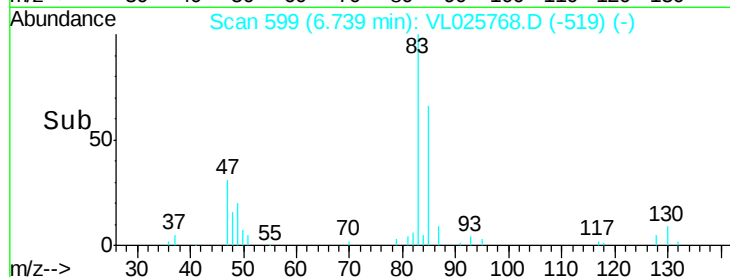
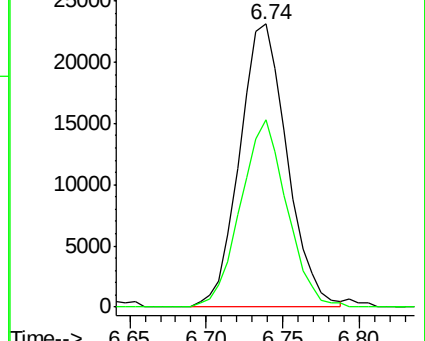
83 100

85 66.2 51.6 77.4



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 8.32 min Scan# 858

Delta R.T. -0.01 min

Lab File: VL025768.D

Acq: 28 Jul 2015 1:00

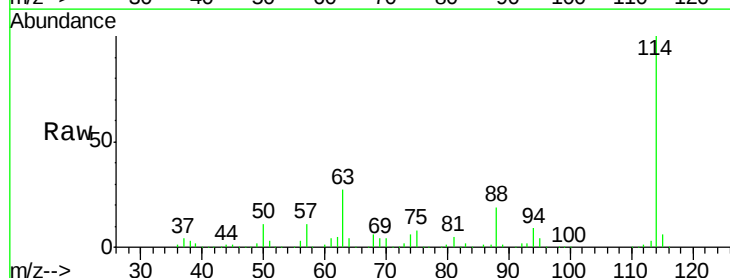
Tgt Ion: 114 Resp: 2381015

Ion Ratio Lower Upper

114 100

63 26.8 22.4 33.6

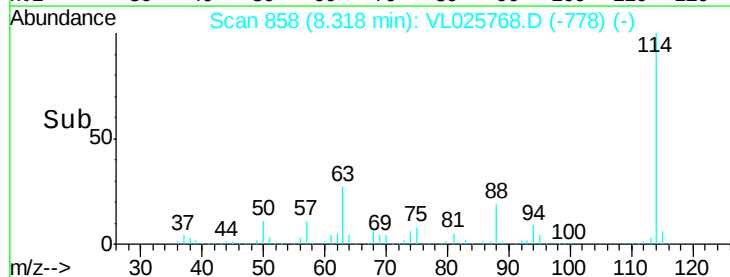
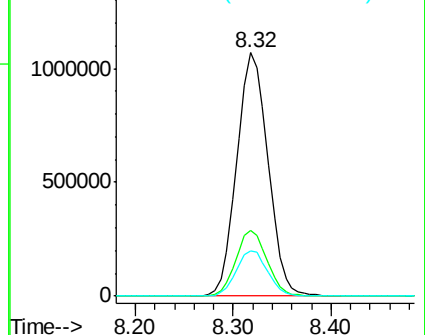
88 18.7 15.0 22.4

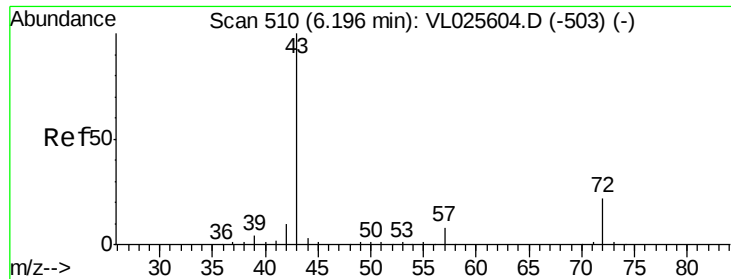


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#34

2-Butanone

Concen: 1.04 ppbv

RT: 6.20 min Scan# 511

Delta R.T. 0.01 min

Lab File: VL025768.D

Acq: 28 Jul 2015 1:00

Instrument :

MSVOA_L

ClientSampleId :

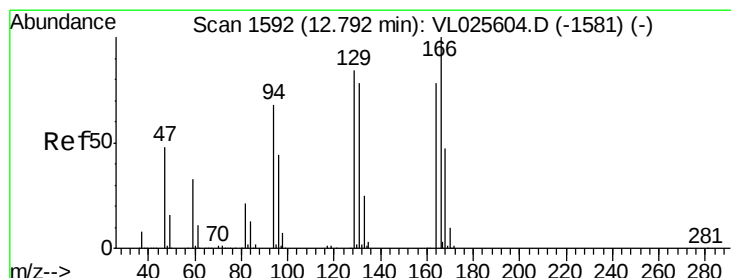
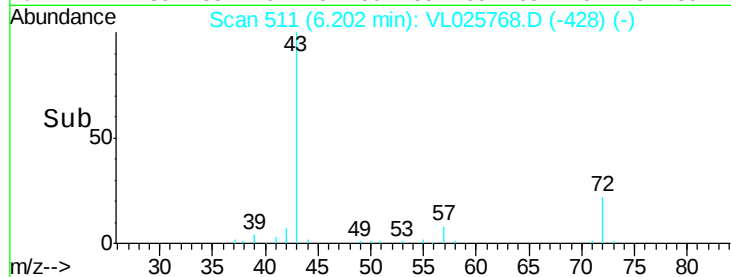
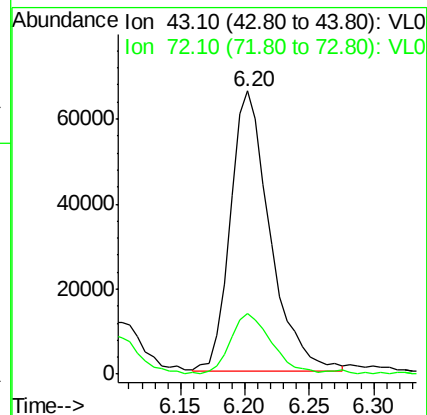
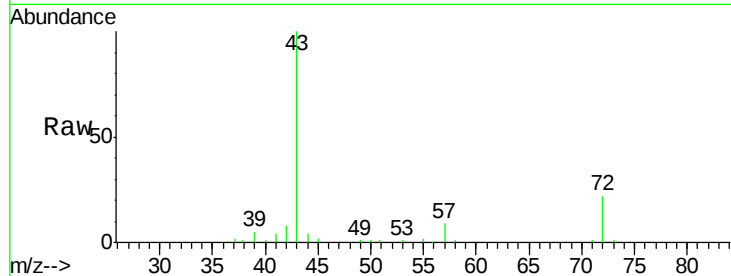
SV-1DL

Tgt Ion: 43 Resp: 141065

Ion Ratio Lower Upper

43 100

72 23.5 18.6 28.0



#52

Tetrachloroethene

Concen: 0.43 ppbv

RT: 12.79 min Scan# 1591

Delta R.T. -0.01 min

Lab File: VL025768.D

Acq: 28 Jul 2015 1:00

Tgt Ion: 164 Resp: 49519

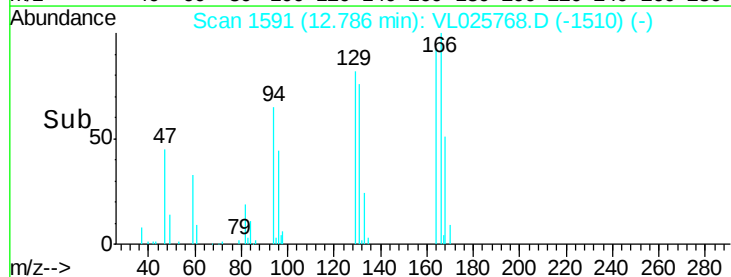
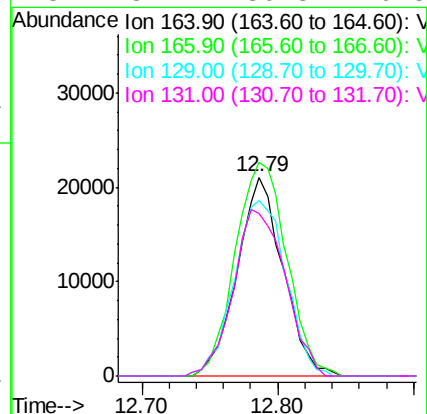
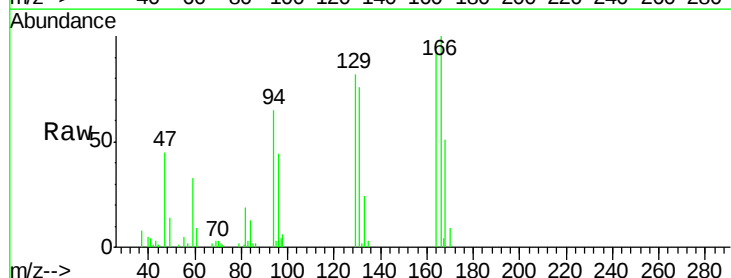
Ion Ratio Lower Upper

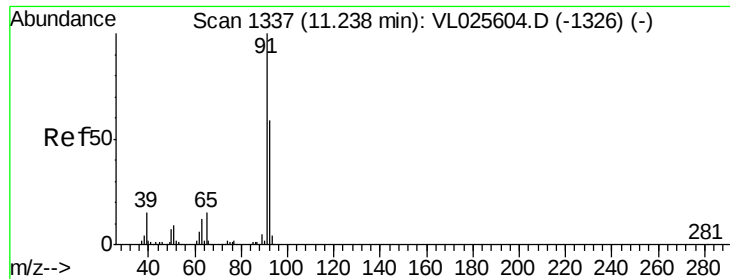
164 100

166 107.6 102.3 153.5

129 88.2 86.2 129.4

131 82.2 80.3 120.5





#53

Toluene

Concen: 1.12 ppbv

RT: 11.23 min Scan# 1335

Delta R.T. -0.01 min

Lab File: VL025768.D

Acq: 28 Jul 2015 1:00

Instrument :

MSVOA_L

ClientSampleId :

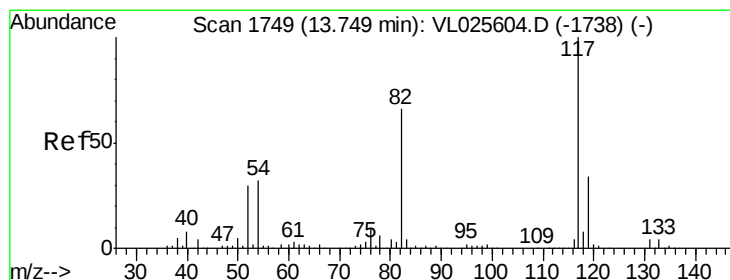
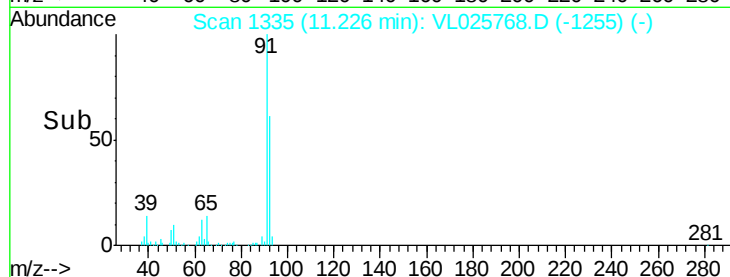
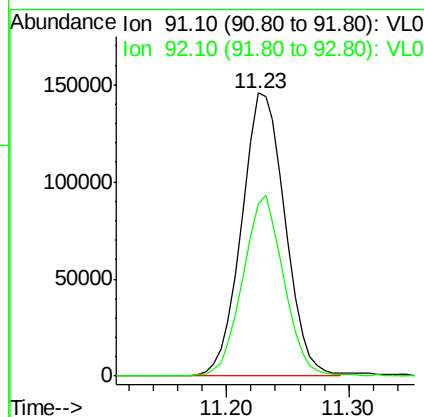
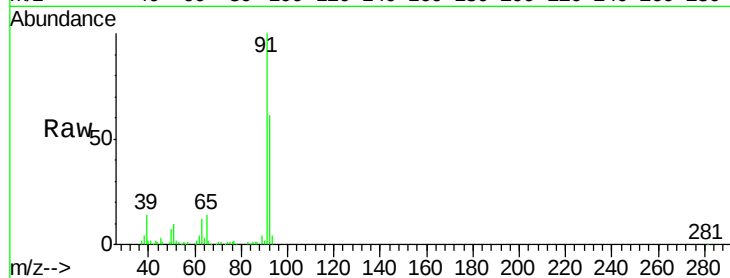
SV-1DL

Tgt Ion: 91 Resp: 360453

Ion Ratio Lower Upper

91 100

92 60.4 48.2 72.2



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 13.74 min Scan# 1747

Delta R.T. -0.01 min

Lab File: VL025768.D

Acq: 28 Jul 2015 1:00

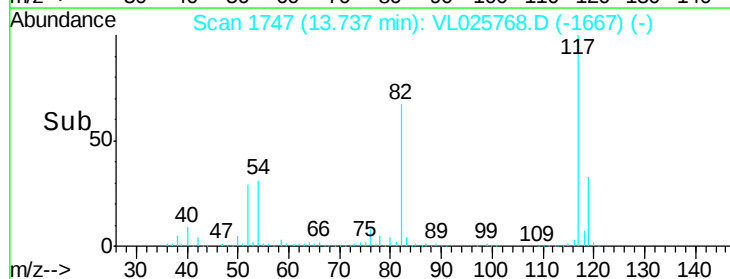
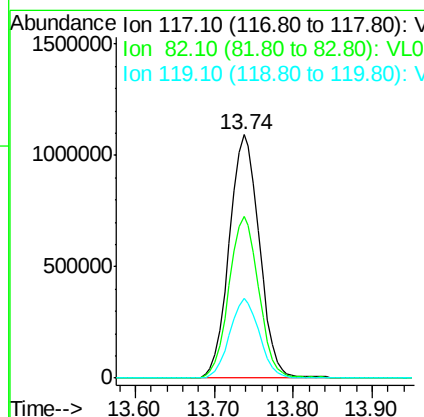
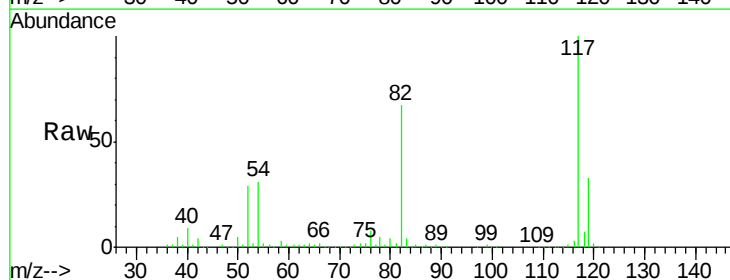
Tgt Ion: 117 Resp: 2917350

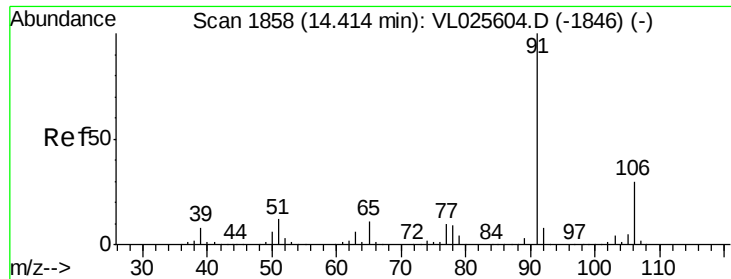
Ion Ratio Lower Upper

117 100

82 65.9 50.5 75.7

119 32.2 45.1 67.7#





#58

Ethyl Benzene

Concen: 0.90 ppbv

RT: 14.41 min Scan# 1857

Delta R.T. -0.01 min

Lab File: VL025768.D

Acq: 28 Jul 2015 1:00

Instrument :

MSVOA_L

ClientSampleId :

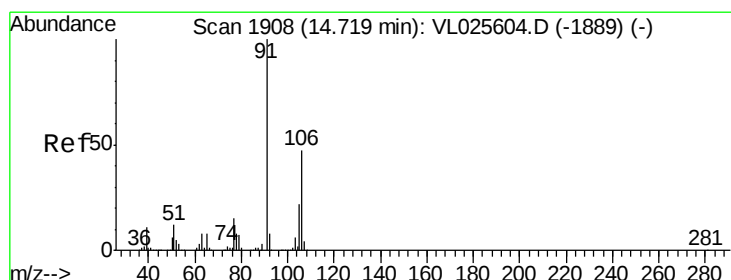
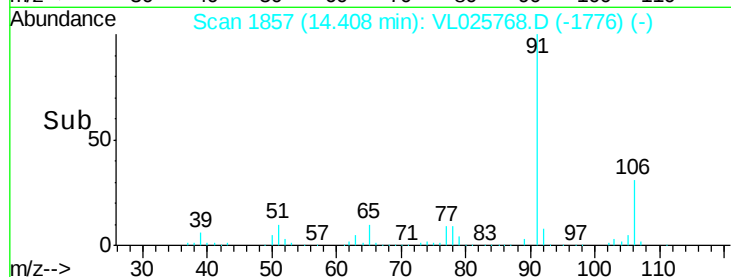
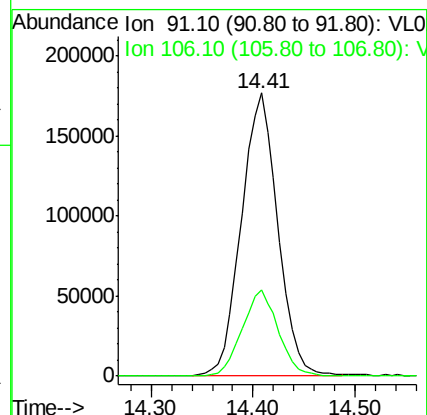
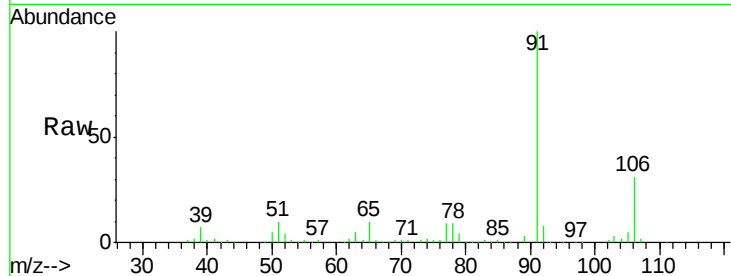
SV-1DL

Tgt Ion: 91 Resp: 434330

Ion Ratio Lower Upper

91 100

106 30.6 24.2 36.2



#59

m/p-Xylene

Concen: 4.55 ppbv

RT: 14.68 min Scan# 1902

Delta R.T. -0.04 min

Lab File: VL025768.D

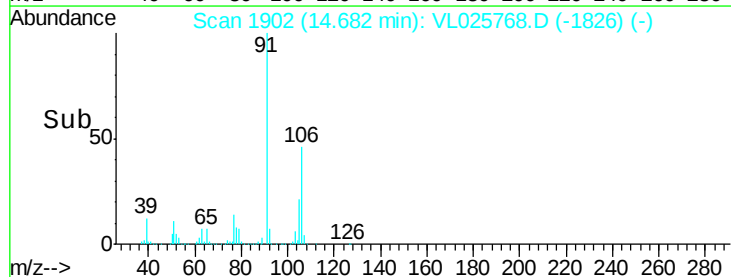
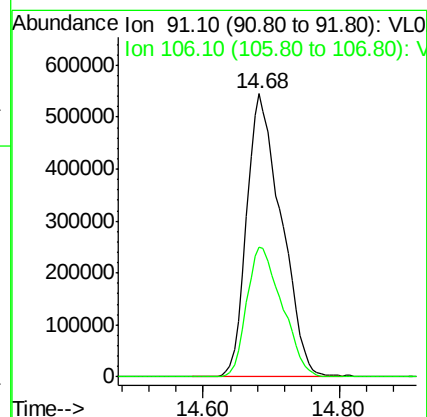
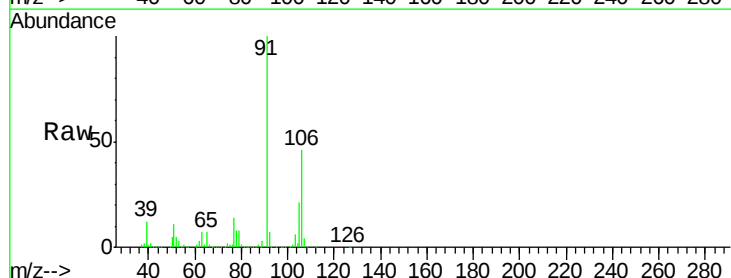
Acq: 28 Jul 2015 1:00

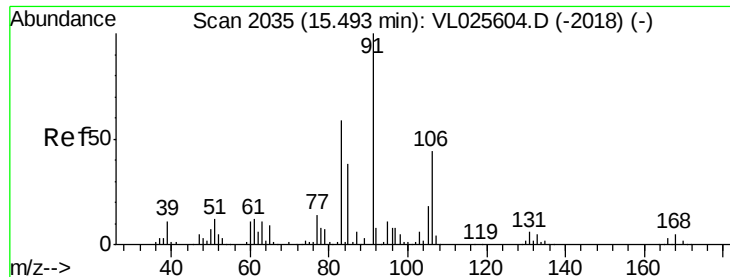
Tgt Ion: 91 Resp: 1928669

Ion Ratio Lower Upper

91 100

106 47.0 37.9 56.9

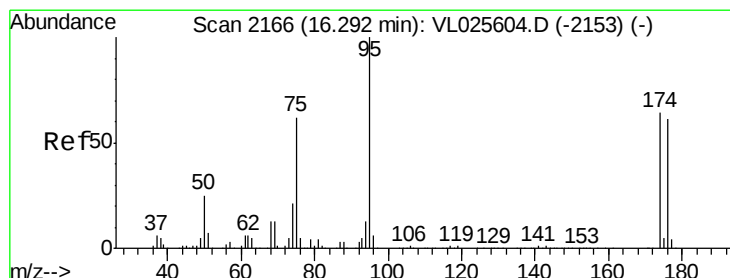
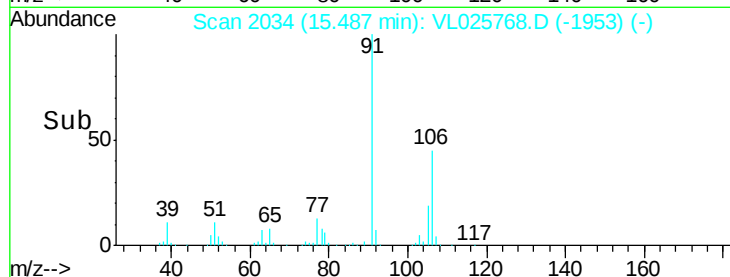
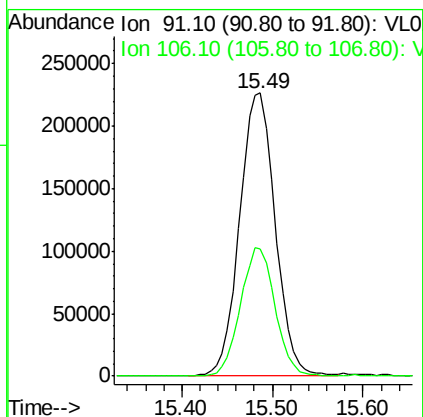
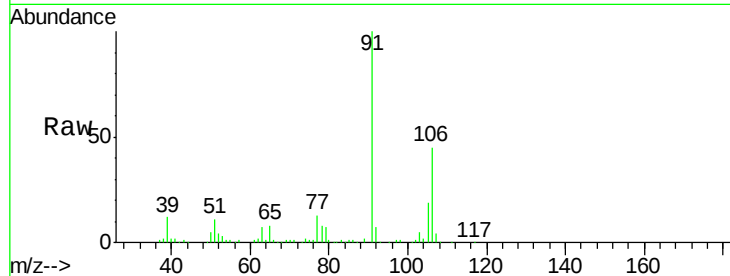




#60
o-Xylene
Concen: 1.34 ppbv
RT: 15.49 min Scan# 2034
Delta R.T. -0.01 min
Lab File: VL025768.D
Acq: 28 Jul 2015 1:00

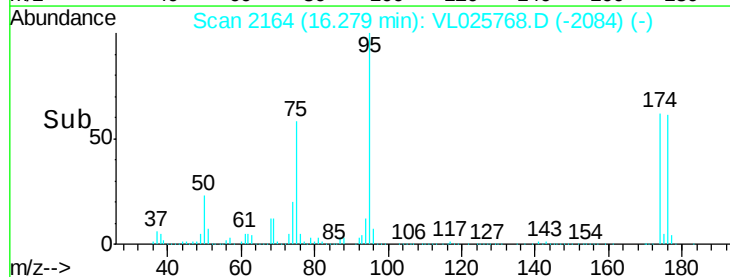
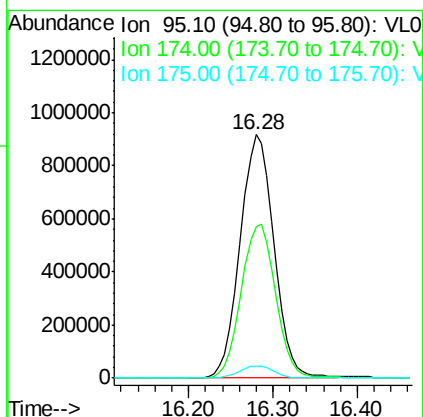
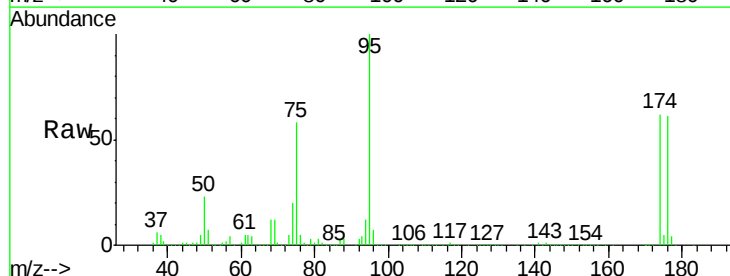
Instrument :
MSVOA_L
ClientSampled :
SV-1DL

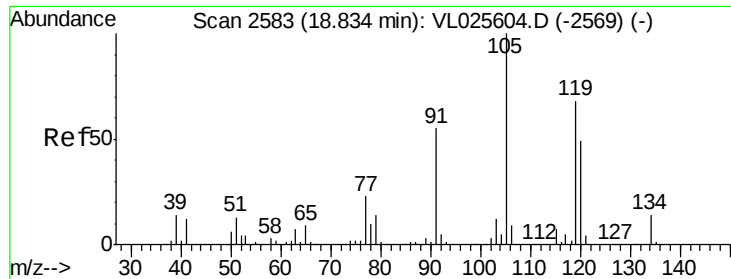
Tgt Ion: 91 Resp: 611614
Ion Ratio Lower Upper
91 100
106 44.7 22.1 66.1



#68
1-Bromo-4-Fluorobenzene
Concen: 10.17 ppbv
RT: 16.28 min Scan# 2164
Delta R.T. -0.01 min
Lab File: VL025768.D
Acq: 28 Jul 2015 1:00

Tgt Ion: 95 Resp: 2503213
Ion Ratio Lower Upper
95 100
174 64.9 52.0 78.0
175 5.1 3.9 5.9





#74
 1,2,4-Trimethylbenzene
 Concen: 0.10 ppbv
 RT: 18.83 min Scan# 2582
 Delta R.T. -0.01 min
 Lab File: VL025768.D
 Acq: 28 Jul 2015 1:00

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-1DL

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	39.3	58.9
91	7.6	43.8	65.6#
77	14.3	18.3	27.5#

