

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL072715\
 Data File : VL025762.D
 Acq On : 27 Jul 2015 20:57
 Operator : SY/MD
 Sample : G3092-03DL 40X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 A-217-BDL

Quant Time: Jul 28 01:03:16 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	731097	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.32	114	2003082	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.74	117	2475896	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.28	95	2092798	10.02	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.20%

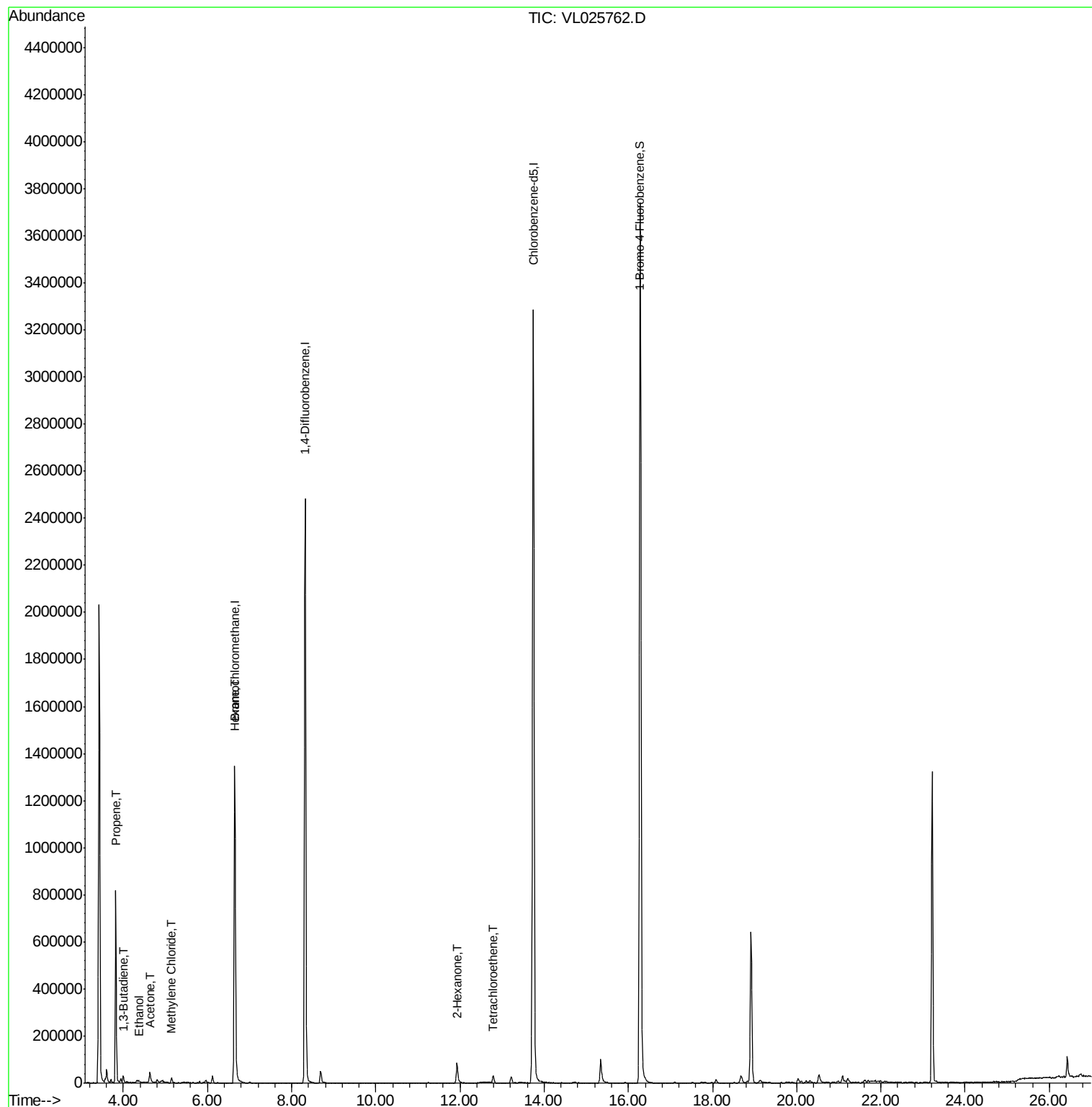
Target Compounds						Ovalue
9) Propene	3.82	41	330197	9.65	ppbv	87
13) Ethanol	4.36	45	8091	1.52	ppbv	84
15) Acetone	4.64	43	62620	0.48	ppbv #	83
16) 1,3-Butadiene	4.00	39	5844	0.11	ppbv #	12
20) Methylene Chloride	5.15	84	8832	0.17	ppbv	87
26) Hexane	6.66	57	2823	0.03	ppbv #	45
51) 2-Hexanone	11.93	43	19666	0.13	ppbv #	29
52) Tetrachloroethene	12.78	164	8174	0.08	ppbv #	78

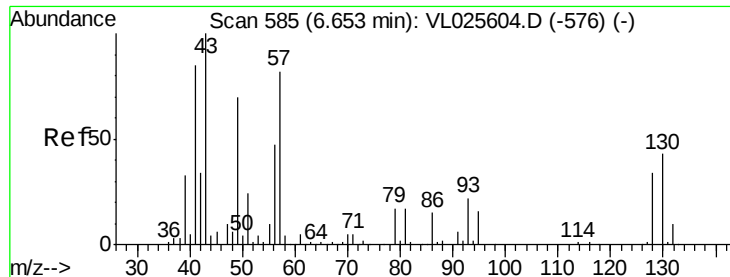
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jul 08 02:22:55 2015
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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.65 min Scan# 584

Delta R.T. -0.01 min

Lab File: VL025762.D

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Instrument :

MSVOA_L

ClientSampleId :

A-217-BDL

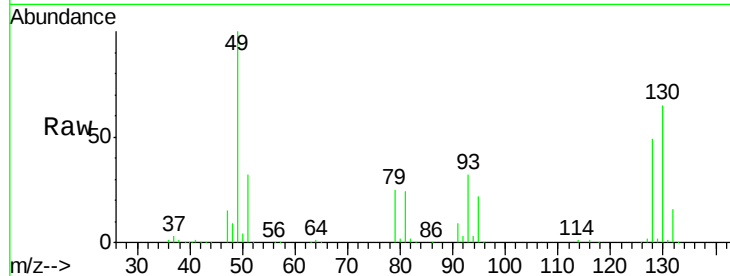
Tot Ion: 49 Resp: 731097

Ion Ratio Lower Upper

49 100

128 51.1 25.4 76.0

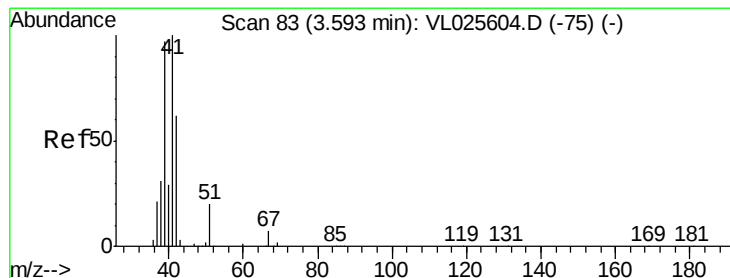
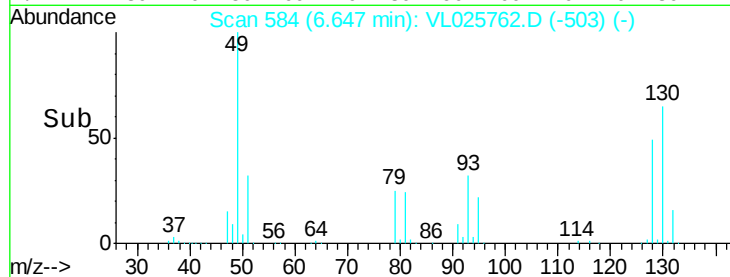
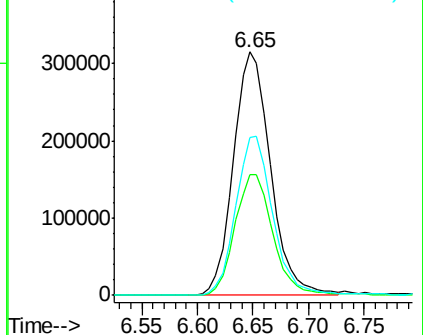
130 66.2 31.9 95.9



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



#9

Propene

Concen: 9.65 ppbv

RT: 3.82 min Scan# 121

Delta R.T. 0.23 min

Lab File: VL025762.D

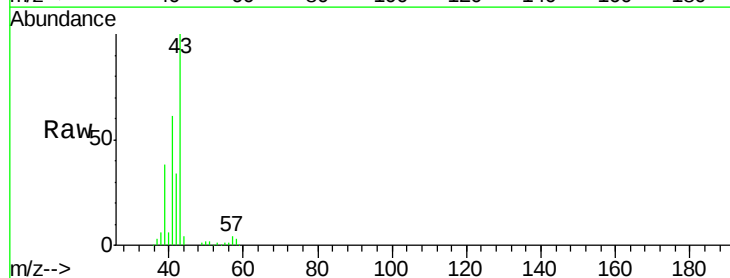
Acq: 27 Jul 2015 20:57

Tgt Ion: 41 Resp: 330197

Ion Ratio Lower Upper

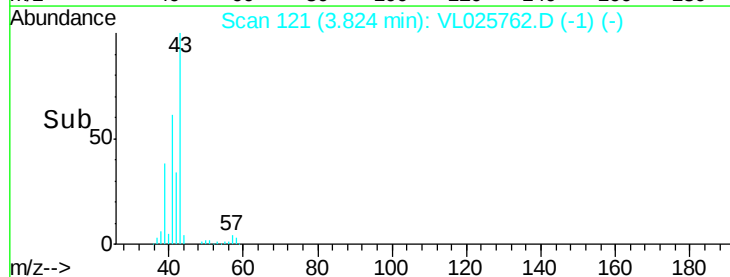
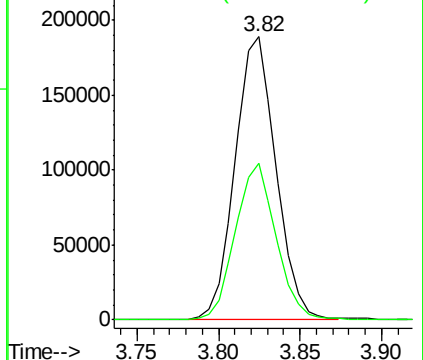
41 100

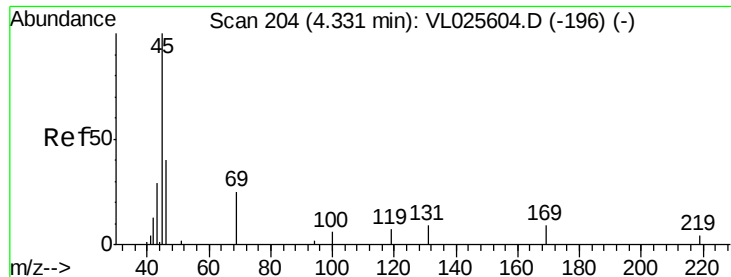
42 55.2 52.4 78.6



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 1.52 ppbv

RT: 4.36 min Scan# 209

Delta R.T. 0.03 min

Lab File: VL025762.D

Acq: 27 Jul 2015 20:57

Instrument :

MSVOA_L

ClientSampleId :

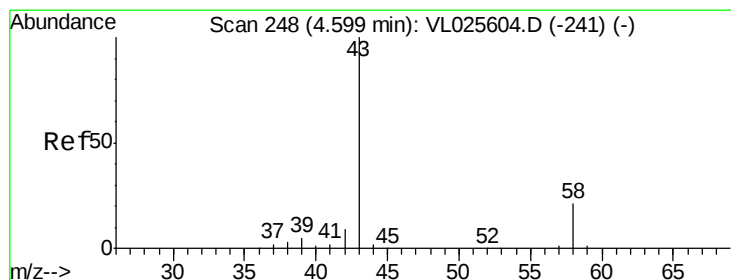
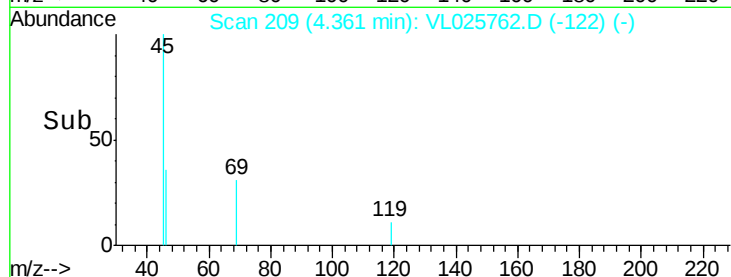
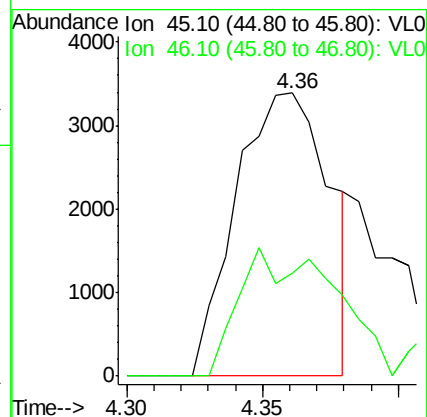
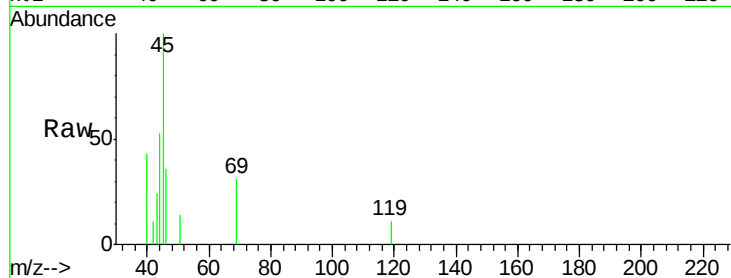
A-217-BDL

Tot Ion: 45 Resp: 8091

Ion Ratio Lower Upper

45 100

46 49.6 16.0 64.0



#15

Acetone

Concen: 0.48 ppbv

RT: 4.64 min Scan# 254

Delta R.T. 0.04 min

Lab File: VL025762.D

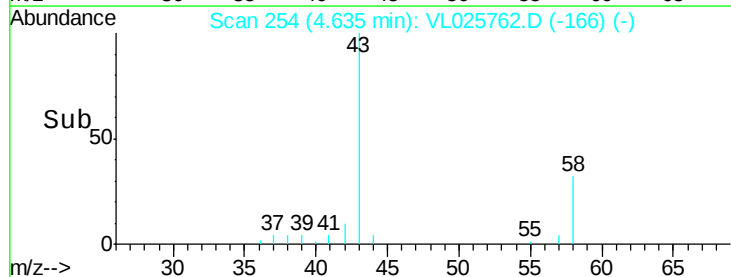
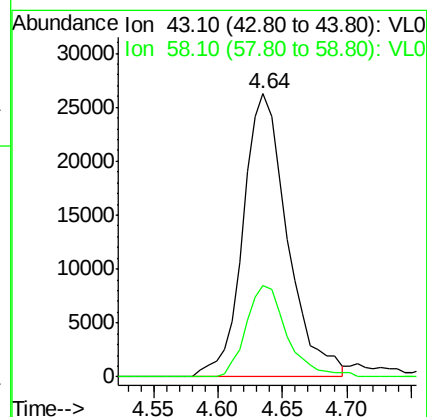
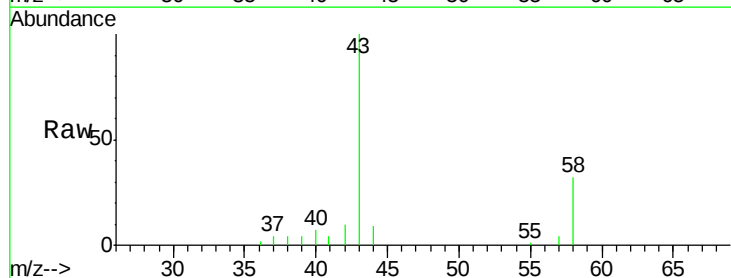
Acq: 27 Jul 2015 20:57

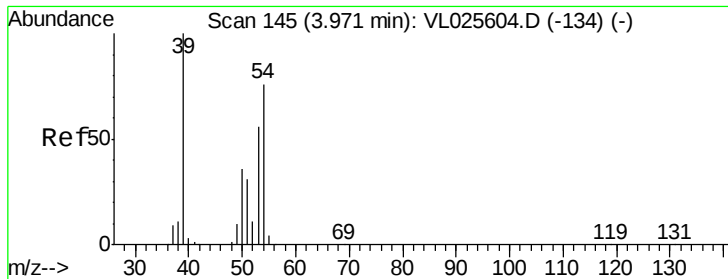
Tgt Ion: 43 Resp: 62620

Ion Ratio Lower Upper

43 100

58 29.7 17.2 25.8#

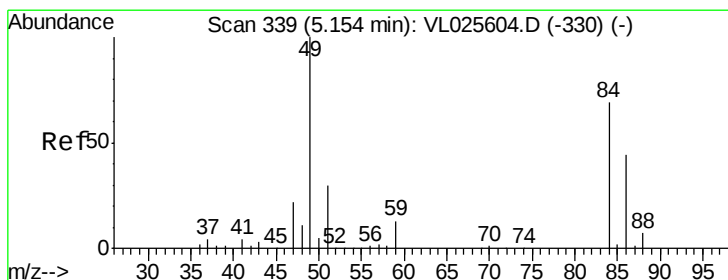
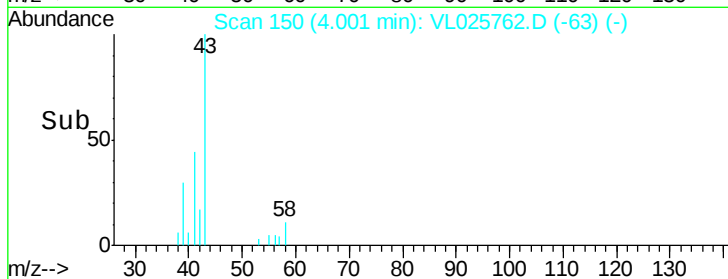
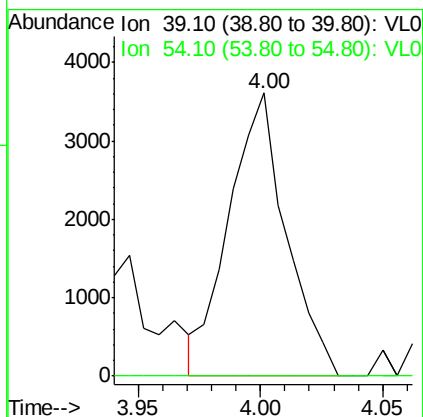
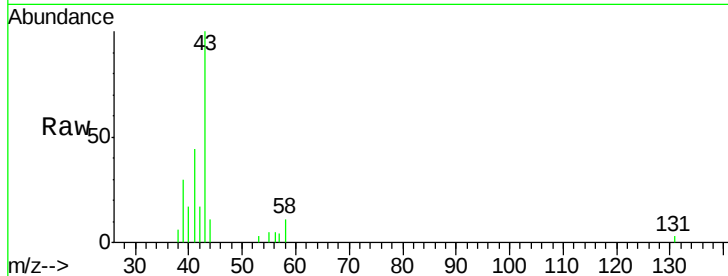




#16
 1,3-Butadiene
 Concen: 0.11 ppbv
 RT: 4.00 min Scan# 150
 Delta R.T. 0.03 min
 Lab File: VL025762.D
 Acq: 27 Jul 2015 20:57

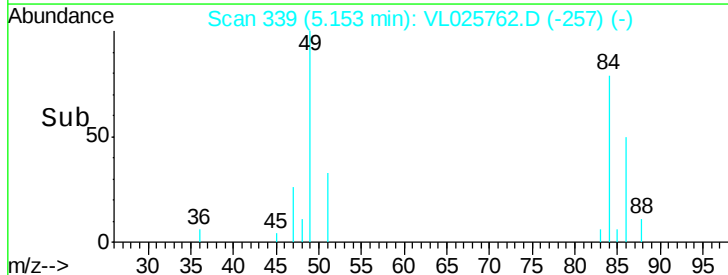
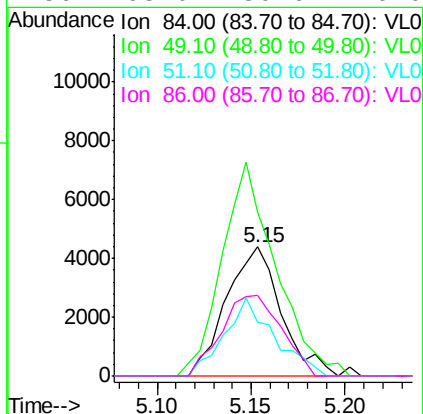
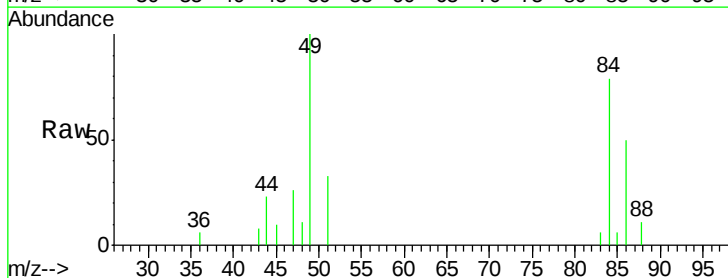
Instrument :
 MSVOA_L
 ClientSampleID :
 A-217-BDL

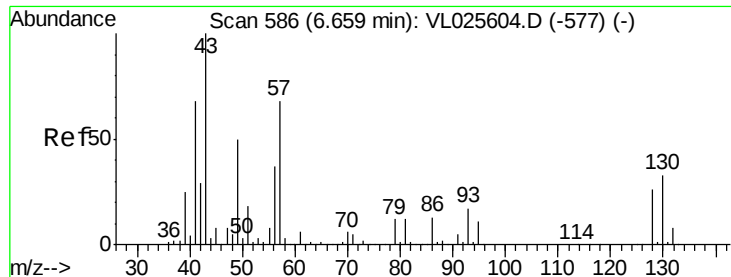
Tot Ion: 39 Resp: 5844
 Ion Ratio Lower Upper
 39 100
 54 0.0 59.3 88.9#



#20
 Methylene Chloride
 Concen: 0.17 ppbv
 RT: 5.15 min Scan# 339
 Delta R.T. -0.00 min
 Lab File: VL025762.D
 Acq: 27 Jul 2015 20:57

Tgt Ion: 84 Resp: 8832
 Ion Ratio Lower Upper
 84 100
 49 117.3 115.2 172.8
 51 41.7 35.0 52.6
 86 63.0 50.6 76.0





#26

Hexane

Concen: 0.03 ppbv

RT: 6.66 min Scan# 586

Delta R.T. -0.00 min

Lab File: VL025762.D

Acq: 27 Jul 2015 20:57

Instrument :

MSVOA_L

ClientSampleId :

A-217-BDL

Tot Ion: 57 Resp: 2823

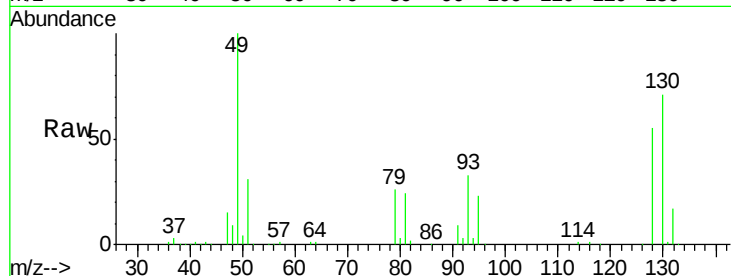
Ion Ratio Lower Upper

57 100

41 140.1 81.4 122.2#

43 94.0 171.4 257.2#

56 58.0 44.5 66.7

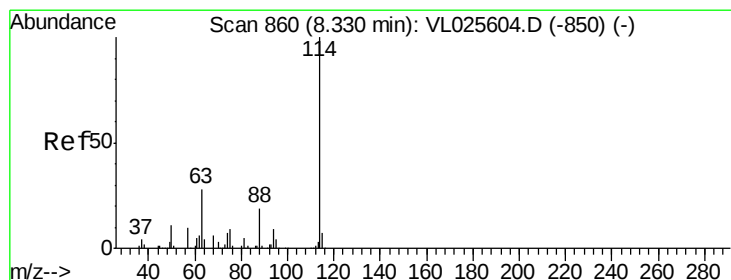
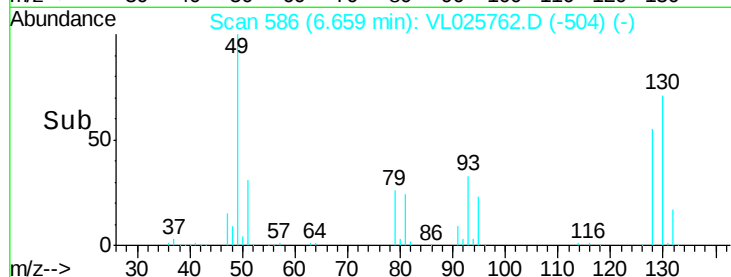
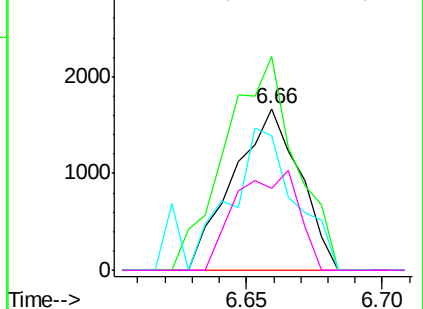


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 8.32 min Scan# 859

Delta R.T. -0.01 min

Lab File: VL025762.D

Acq: 27 Jul 2015 20:57

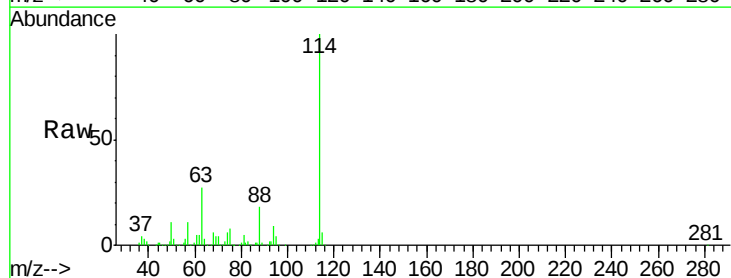
Tgt Ion: 114 Resp: 2003082

Ion Ratio Lower Upper

114 100

63 26.9 22.4 33.6

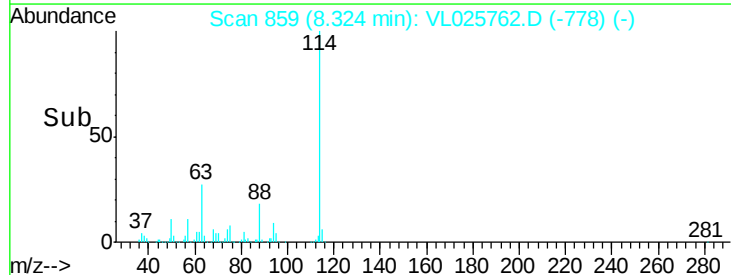
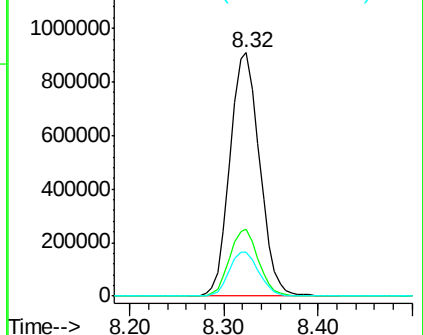
88 18.4 15.0 22.4

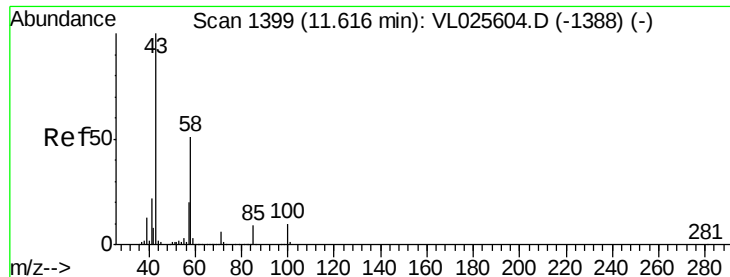


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#51

2-Hexanone

Concen: 0.13 ppbv

RT: 11.93 min Scan# 1450

Delta R.T. 0.31 min

Lab File: VL025762.D

Acq: 27 Jul 2015 20:57

Instrument :

MSVOA_L

ClientSampled :

A-217-BDL

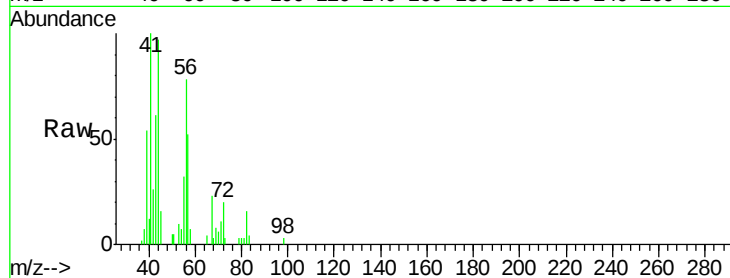
Tot Ion: 43 Resp: 19666

Ion Ratio Lower Upper

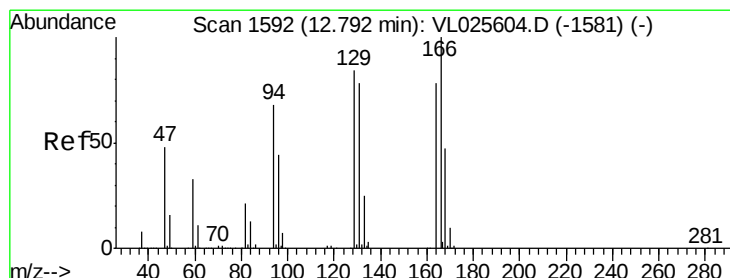
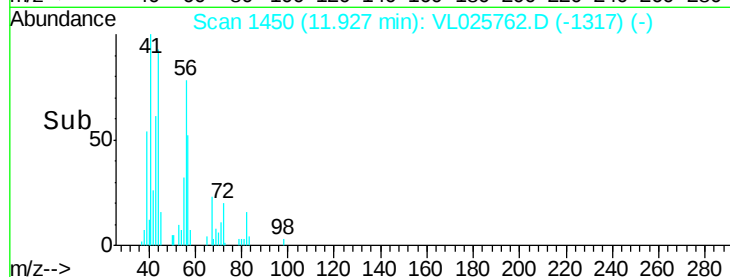
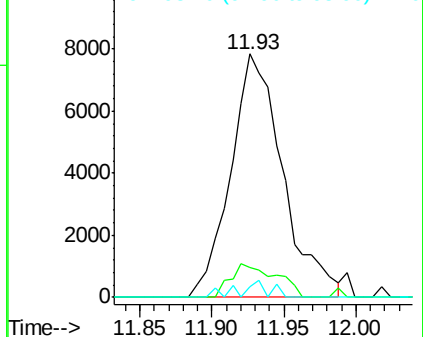
43 100

58 0.0 39.0 58.6#

98 3.7 0.2 0.4#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 0.08 ppbv

RT: 12.78 min Scan# 1590

Delta R.T. -0.01 min

Lab File: VL025762.D

Acq: 27 Jul 2015 20:57

Tgt Ion: 164 Resp: 8174

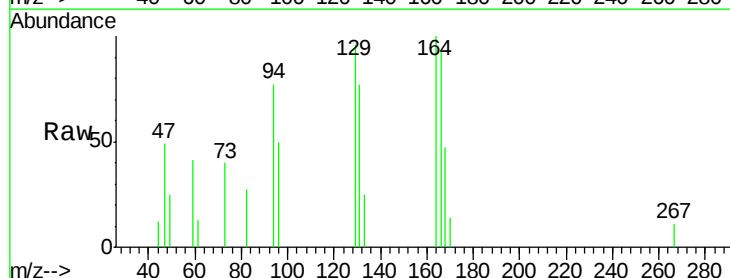
Ion Ratio Lower Upper

164 100

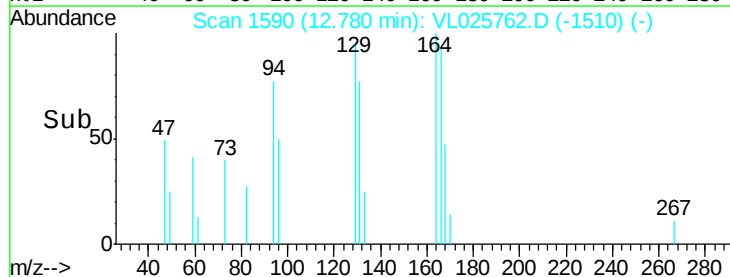
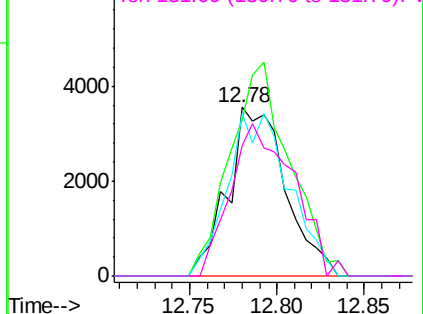
166 92.7 102.3 153.5#

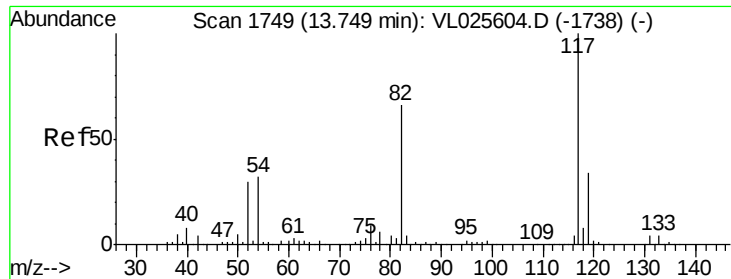
129 96.3 86.2 129.4

131 77.2 80.3 120.5#



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

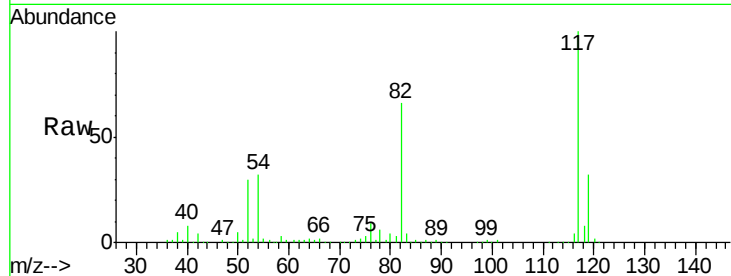




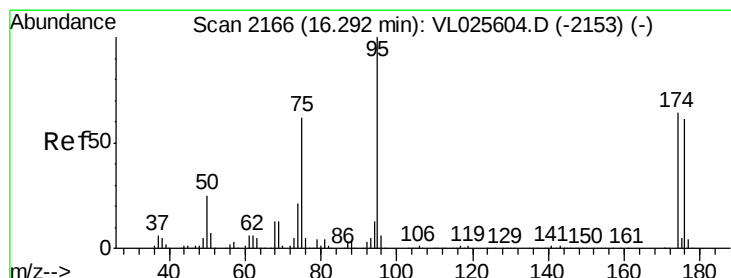
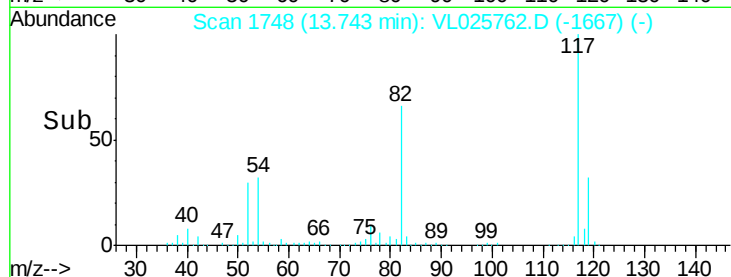
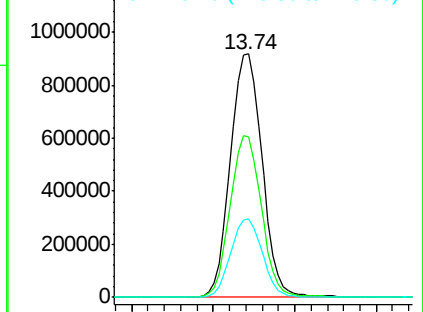
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.74 min Scan# 1748
Delta R.T. -0.01 min
Lab File: VL025762.D
Acq: 27 Jul 2015 20:57

Instrument :
MSVOA_L
ClientSampleId :
A-217-BDL

Tot Ion:117 Resp: 2475896
Ion Ratio Lower Upper
117 100
82 65.7 50.5 75.7
119 32.3 45.1 67.7#

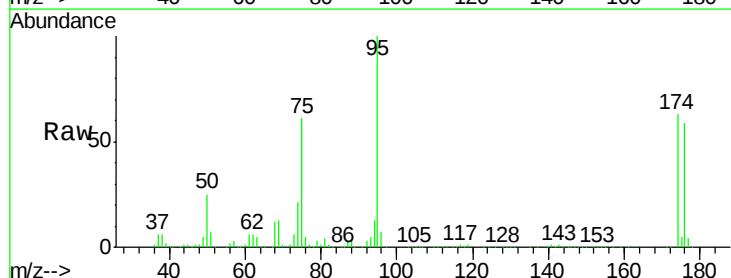


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 10.02 ppbv
RT: 16.28 min Scan# 2164
Delta R.T. -0.01 min
Lab File: VL025762.D
Acq: 27 Jul 2015 20:57

Tgt Ion: 95 Resp: 2092798
Ion Ratio Lower Upper
95 100
174 64.6 52.0 78.0
175 5.0 3.9 5.9



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

