

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL072715\
 Data File : VL025760.D
 Acq On : 27 Jul 2015 19:36
 Operator : SY/MD
 Sample : G3092-02DL 40X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 A-217-IDL

Quant Time: Jul 28 01:02:44 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL070715AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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	794713	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.32	114	2084628	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.74	117	2529611	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.29	95	2138634	10.02	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.20%

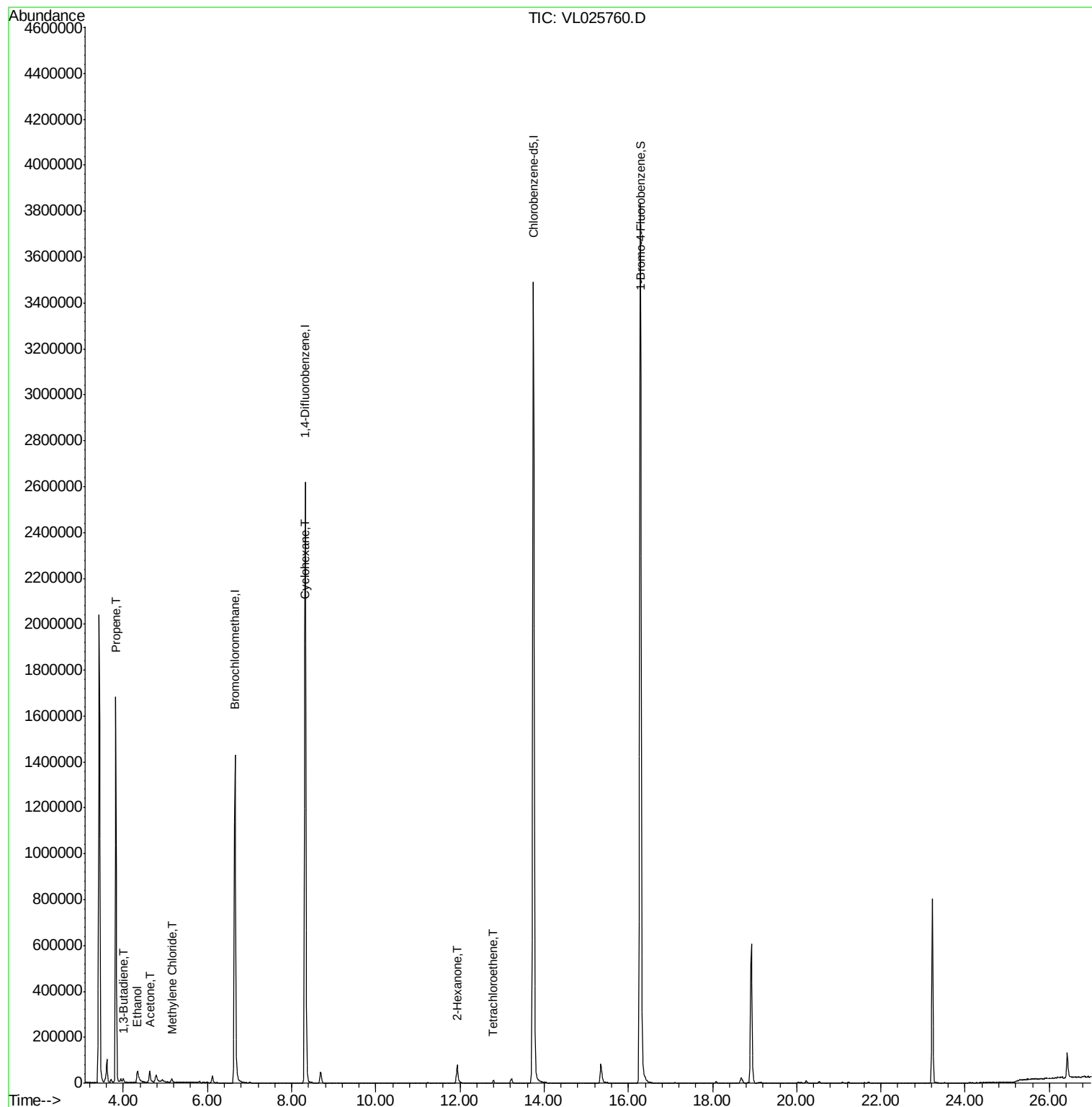
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.82	41	696754	18.73	ppbv	86
13) Ethanol	4.34	45	77590	13.41	ppbv	97
15) Acetone	4.63	43	69942	0.50	ppbv #	87
16) 1,3-Butadiene	4.00	39	4677	0.08	ppbv #	12
20) Methylene Chloride	5.15	84	8150	0.14	ppbv #	90
30) Cyclohexane	8.31	84	4232	0.04	ppbv #	1
51) 2-Hexanone	11.93	43	19359	0.13	ppbv #	47
52) Tetrachloroethene	12.79	164	3225	0.03	ppbv	82

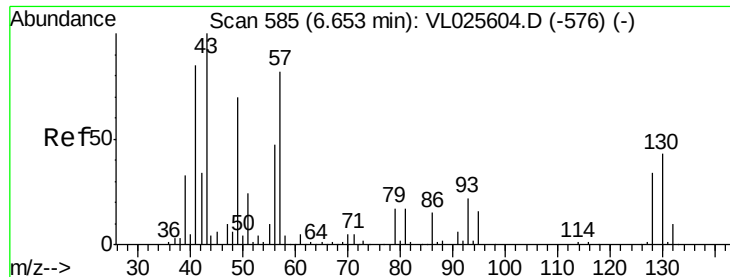
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL072715\
Data File : VL025760.D
Acq On : 27 Jul 2015 19:36
Operator : SY/MD
Sample : G3092-02DL 40X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
A-217-IDL

Quant Time: Jul 28 01:02:44 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





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.65 min Scan# 585

Delta R.T. -0.00 min

Lab File: VL025760.D

Acq: 27 Jul 2015 19:36

Instrument :

MSVOA_L

ClientSampleId :

A-217-IDL

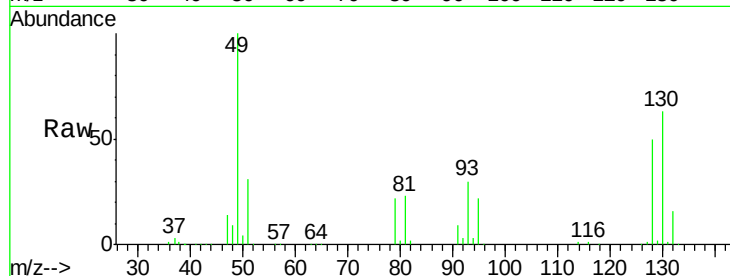
Tot Ion: 49 Resp: 794713

Ion Ratio Lower Upper

49 100

128 50.9 25.4 76.0

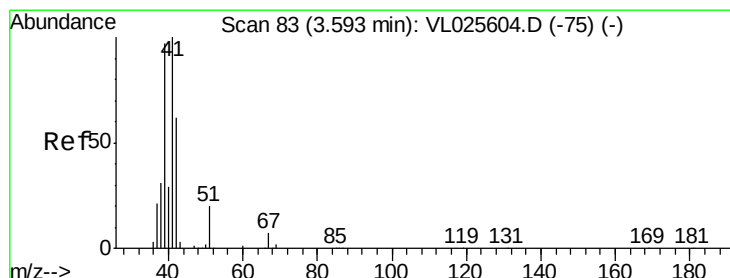
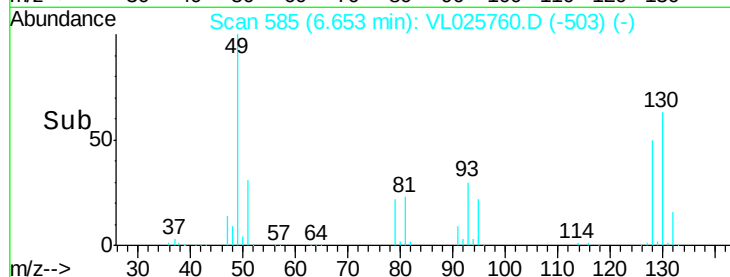
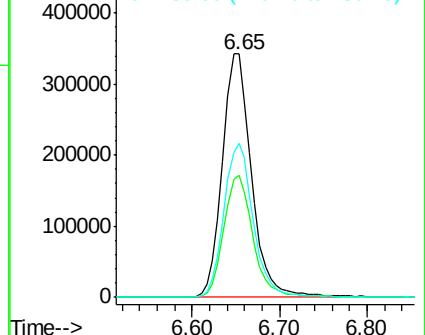
130 64.6 31.9 95.9



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: 18.73 ppbv

RT: 3.82 min Scan# 121

Delta R.T. 0.23 min

Lab File: VL025760.D

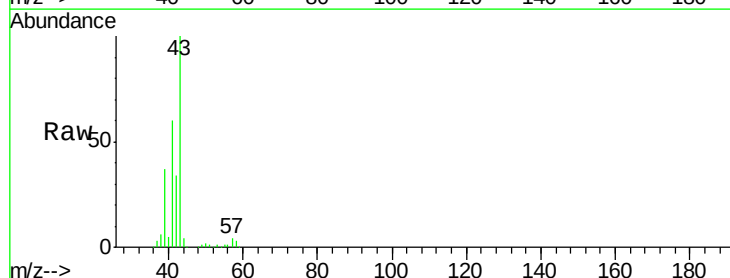
Acq: 27 Jul 2015 19:36

Tgt Ion: 41 Resp: 696754

Ion Ratio Lower Upper

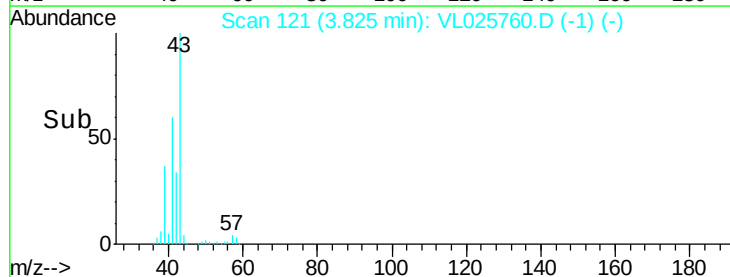
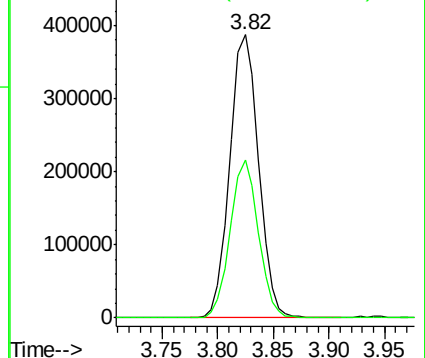
41 100

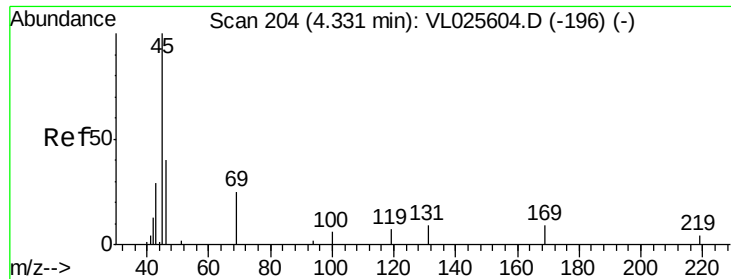
42 54.7 52.4 78.6



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 13.41 ppbv

RT: 4.34 min Scan# 205

Delta R.T. 0.01 min

Lab File: VL025760.D

Acq: 27 Jul 2015 19:36

Instrument :

MSVOA_L

ClientSampleId :

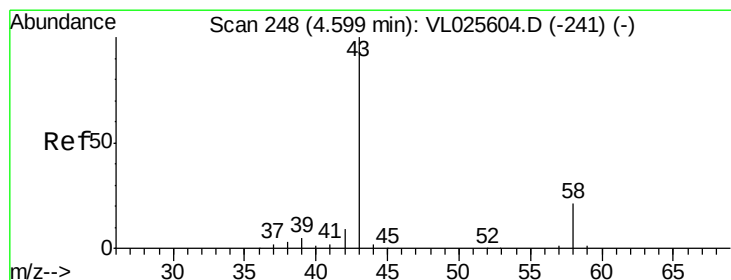
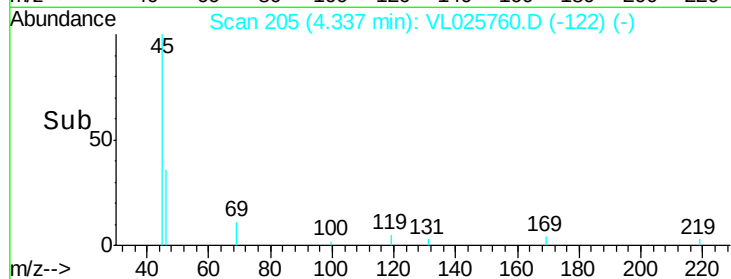
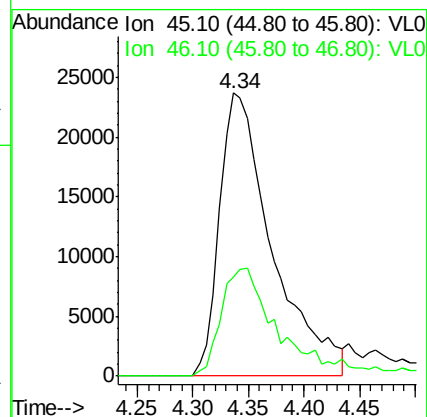
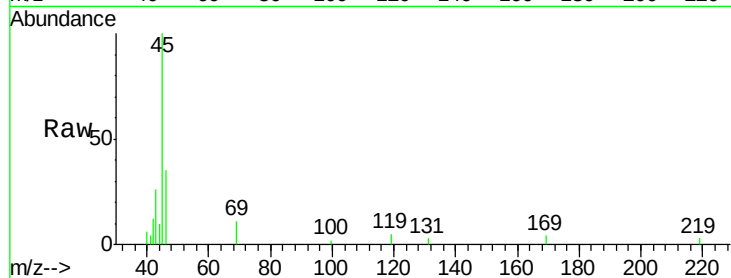
A-217-IDL

Tot Ion: 45 Resp: 77590

Ion Ratio Lower Upper

45 100

46 41.9 16.0 64.0



#15

Acetone

Concen: 0.50 ppbv

RT: 4.63 min Scan# 253

Delta R.T. 0.03 min

Lab File: VL025760.D

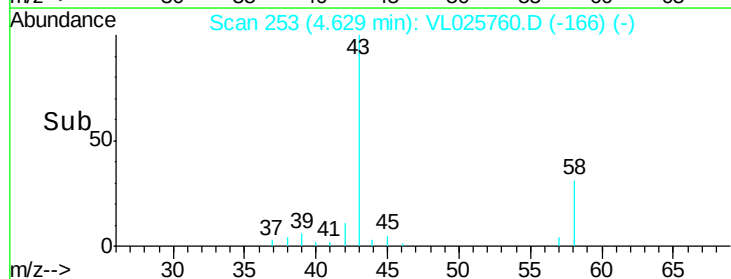
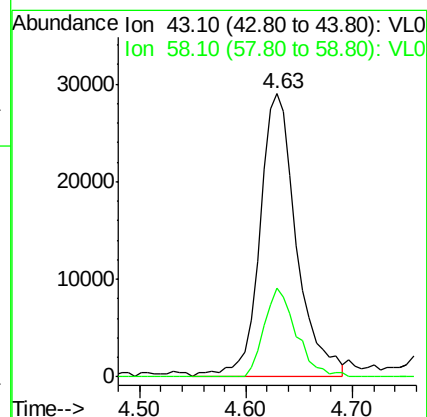
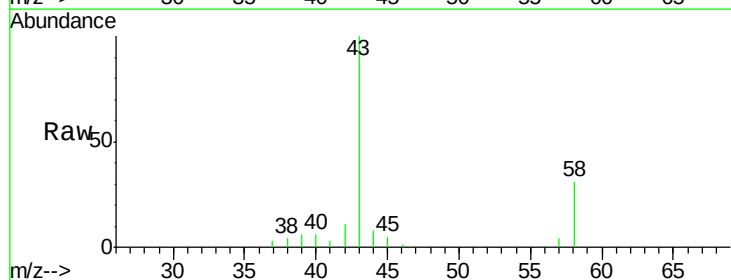
Acq: 27 Jul 2015 19:36

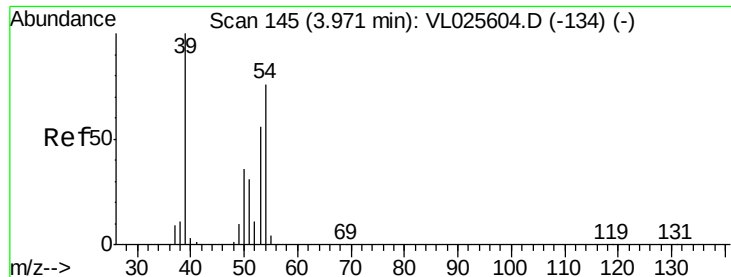
Tgt Ion: 43 Resp: 69942

Ion Ratio Lower Upper

43 100

58 27.5 17.2 25.8#

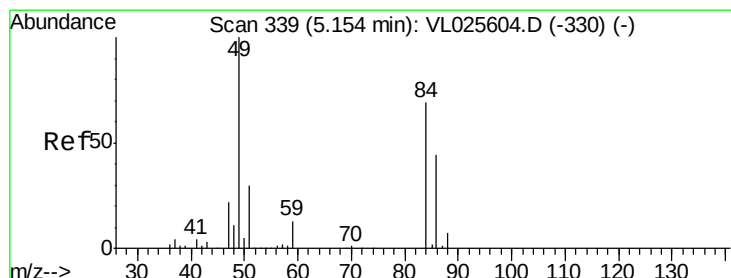
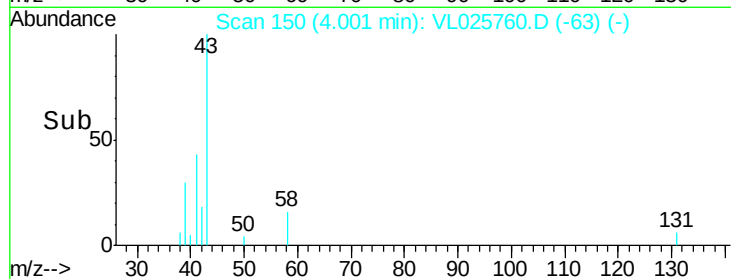
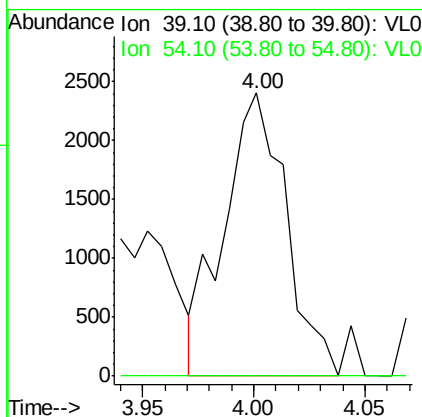
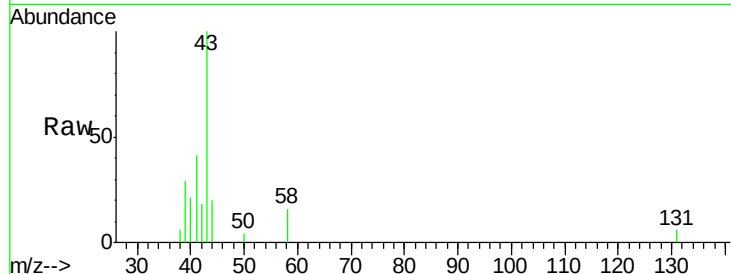




#16
 1,3-Butadiene
 Concen: 0.08 ppbv
 RT: 4.00 min Scan# 150
 Delta R.T. 0.03 min
 Lab File: VL025760.D
 Acq: 27 Jul 2015 19:36

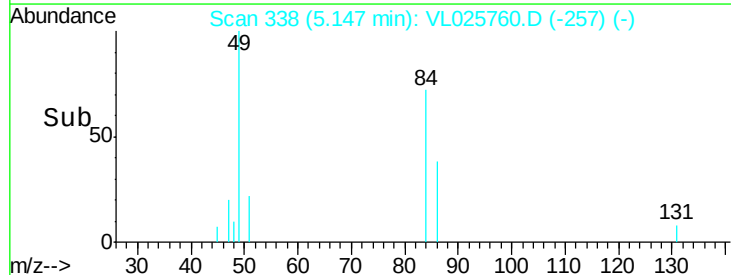
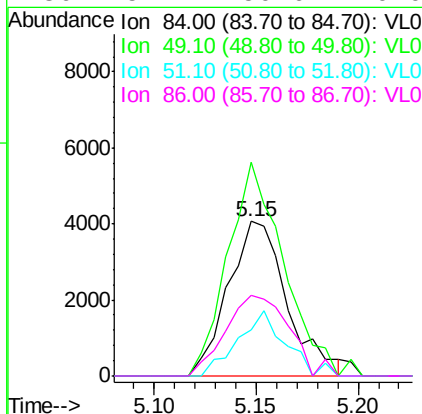
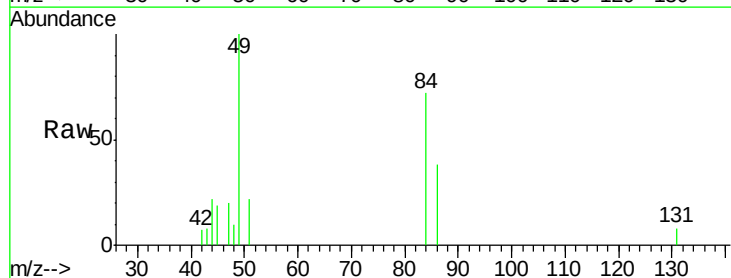
Instrument :
 MSVOA_L
 ClientSampleId :
 A-217-IDL

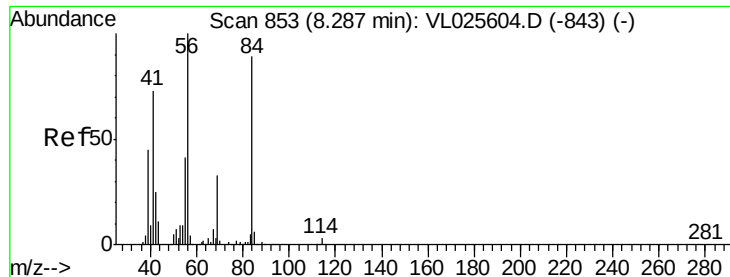
Tot Ion: 39 Resp: 4677
 Ion Ratio Lower Upper
 39 100
 54 0.0 59.3 88.9#



#20
 Methylene Chloride
 Concen: 0.14 ppbv
 RT: 5.15 min Scan# 338
 Delta R.T. -0.01 min
 Lab File: VL025760.D
 Acq: 27 Jul 2015 19:36

Tgt Ion: 84 Resp: 8150
 Ion Ratio Lower Upper
 84 100
 49 138.3 115.2 172.8
 51 30.2 35.0 52.6#
 86 52.2 50.6 76.0

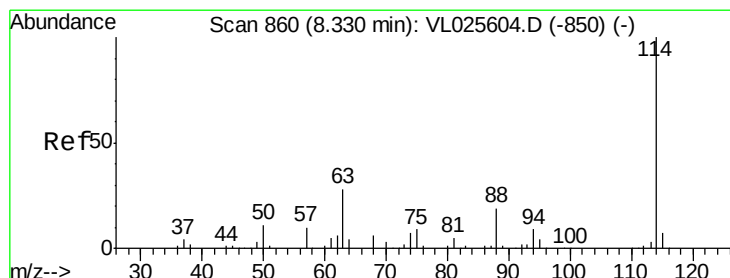
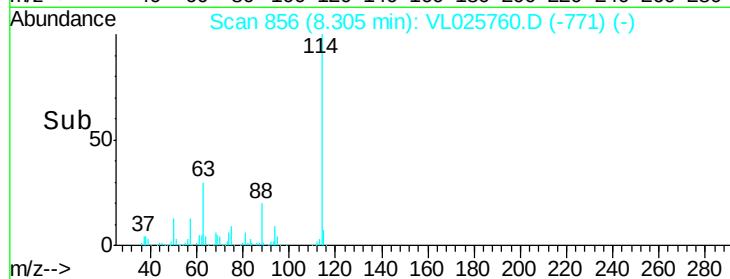
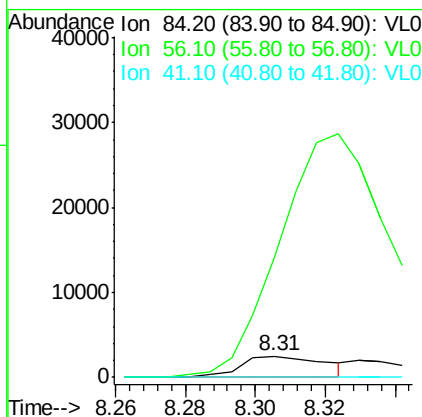
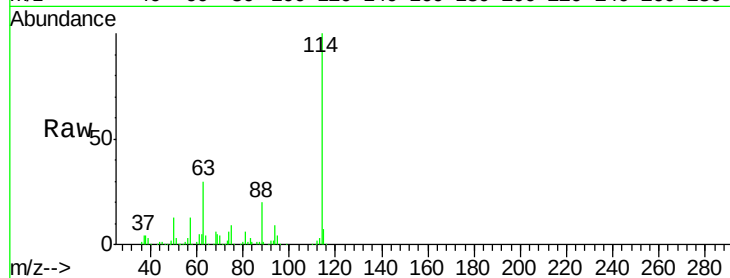




#30
Cvclohexane
Concen: 0.04 ppbv
RT: 8.31 min Scan# 856
Delta R.T. 0.02 min
Lab File: VL025760.D
Acq: 27 Jul 2015 19:36

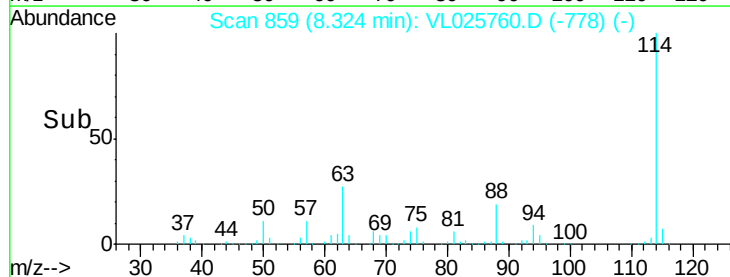
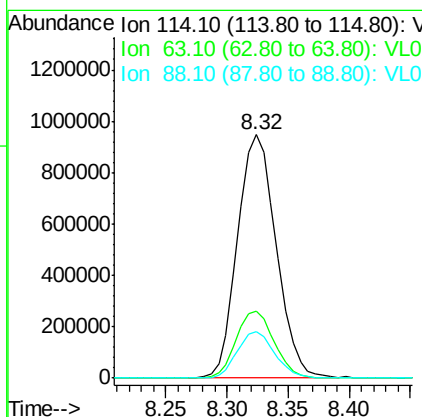
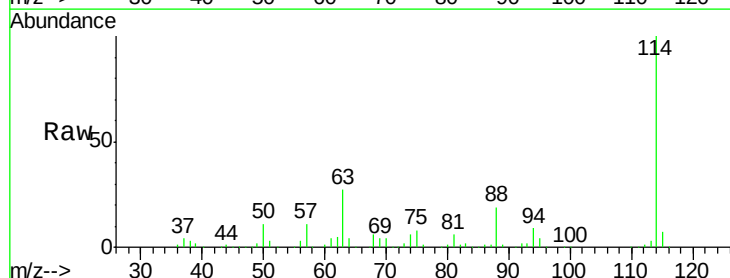
Instrument :
MSVOA_L
ClientSampleId :
A-217-IDL

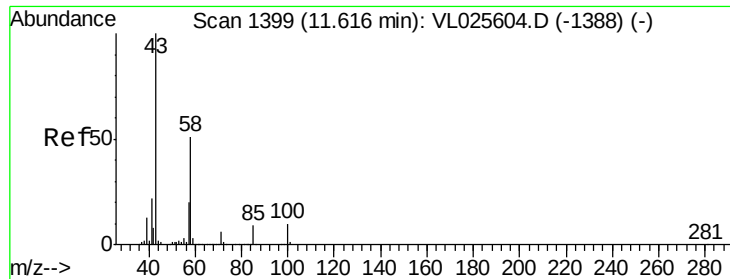
Tot Ion: 84 Resp: 4232
Ion Ratio Lower Upper
84 100
56 0.0 97.5 146.3#
41 0.0 65.4 98.2#



#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.32 min Scan# 859
Delta R.T. -0.01 min
Lab File: VL025760.D
Acq: 27 Jul 2015 19:36

Tgt Ion: 114 Resp: 2084628
Ion Ratio Lower Upper
114 100
63 27.3 22.4 33.6
88 18.7 15.0 22.4





#51

2-Hexanone

Concen: 0.13 ppbv

RT: 11.93 min Scan# 1451

Delta R.T. 0.32 min

Lab File: VL025760.D

Acq: 27 Jul 2015 19:36

Instrument :

MSVOA_L

ClientSampleID :

A-217-IDL

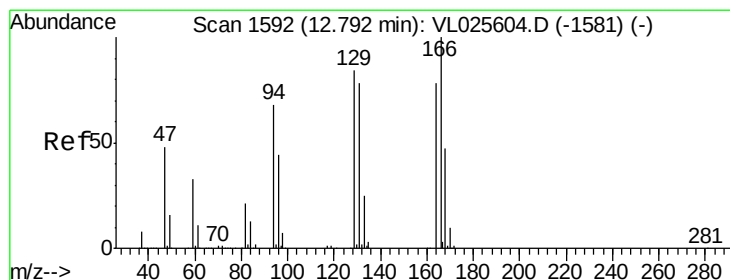
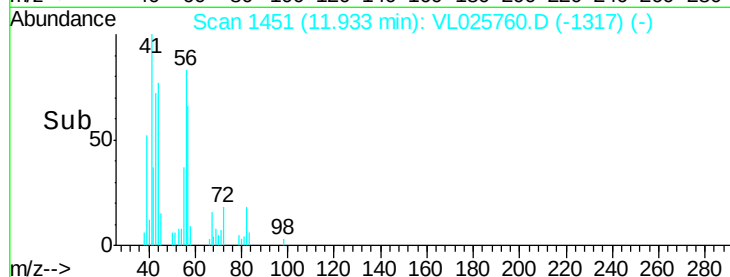
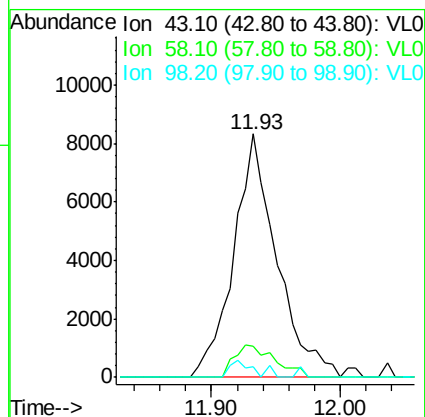
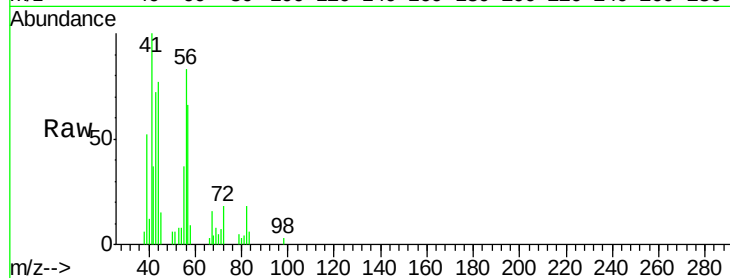
Tot Ion: 43 Resp: 19359

Ion Ratio Lower Upper

43 100

58 12.5 39.0 58.6#

98 4.6 0.2 0.4#



#52

Tetrachloroethene

Concen: 0.03 ppbv

RT: 12.79 min Scan# 1591

Delta R.T. -0.01 min

Lab File: VL025760.D

Acq: 27 Jul 2015 19:36

Tgt Ion: 164 Resp: 3225

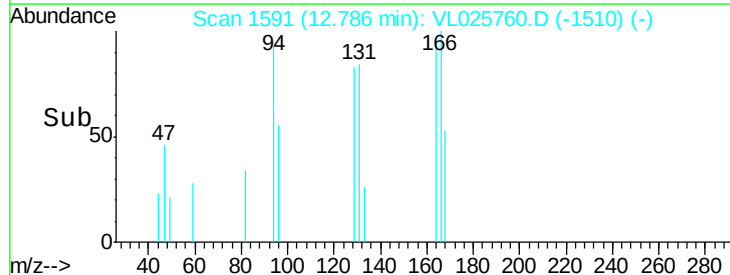
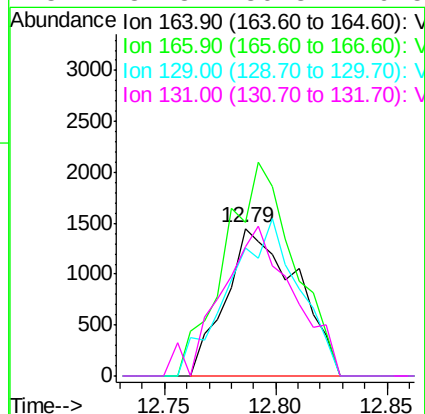
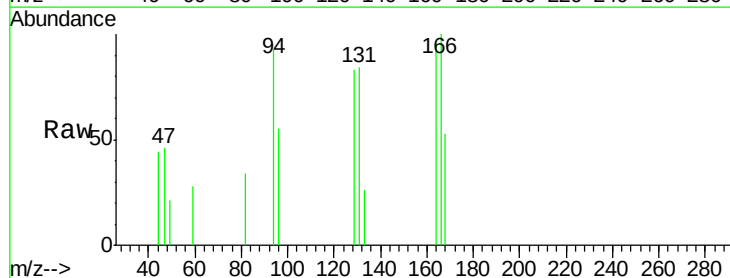
Ion Ratio Lower Upper

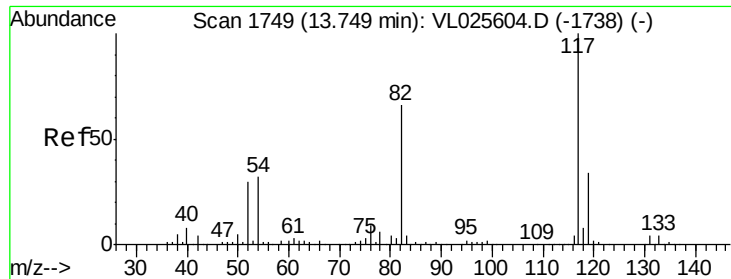
164 100

166 104.4 102.3 153.5

129 86.9 86.2 129.4

131 87.8 80.3 120.5

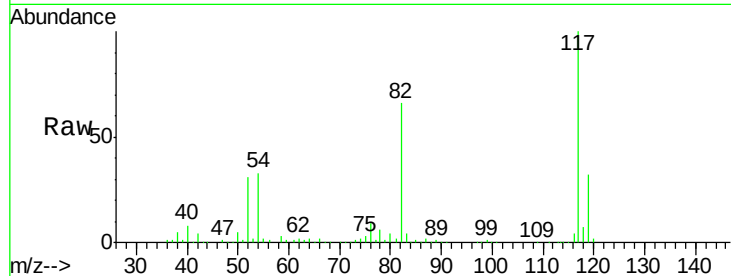




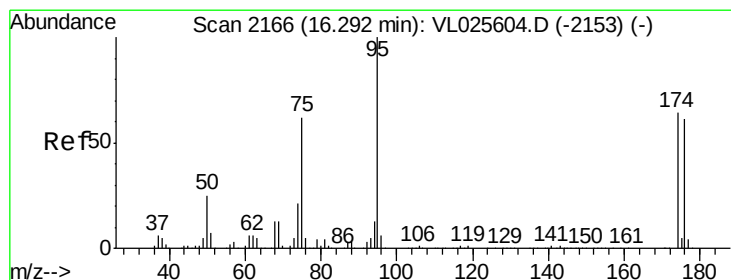
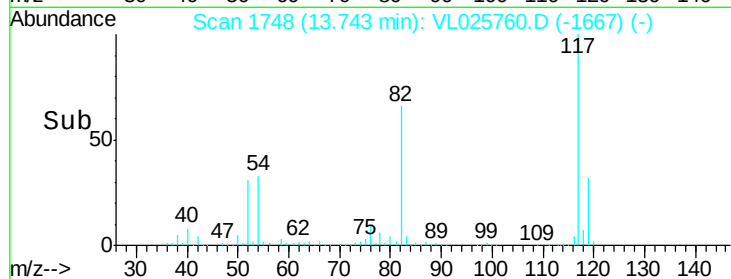
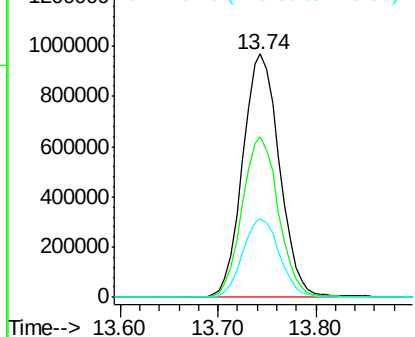
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.74 min Scan# 1748
Delta R.T. -0.01 min
Lab File: VL025760.D
Acq: 27 Jul 2015 19:36

Instrument :
MSVOA_L
ClientSampleId :
A-217-IDL

Tot Ion:117 Resp: 2529611
Ion Ratio Lower Upper
117 100
82 66.2 50.5 75.7
119 32.9 45.1 67.7#

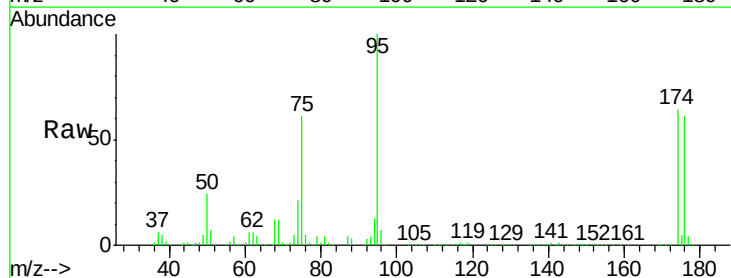


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 10.02 ppbv
RT: 16.29 min Scan# 2165
Delta R.T. -0.01 min
Lab File: VL025760.D
Acq: 27 Jul 2015 19:36

Tgt Ion: 95 Resp: 2138634
Ion Ratio Lower Upper
95 100
174 64.5 52.0 78.0
175 4.9 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

