

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL072715\
 Data File : VL025758.D
 Acq On : 27 Jul 2015 18:13
 Operator : SY/MD
 Sample : G3092-01DL 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 A-221-BDL

Manual Integrations
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sam
 7/28/2015 12:00:24 PM

Quant Time: Jul 28 02:03:34 2015
 Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL070715AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08 02:03:34 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	1018765	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.32	114	2692425	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.75	117	3241149	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.29	95	2736358	10.01	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	3.60	41	9105m	0.19	ppbv	
13) Ethanol	4.36	45	11431	1.54	ppbv	96
15) Acetone	4.64	43	46676	0.26	ppbv #	64
20) Methylene Chloride	5.14	84	14645	0.20	ppbv #	89
52) Tetrachloroethene	12.80	164	3794563	29.34	ppbv	98

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

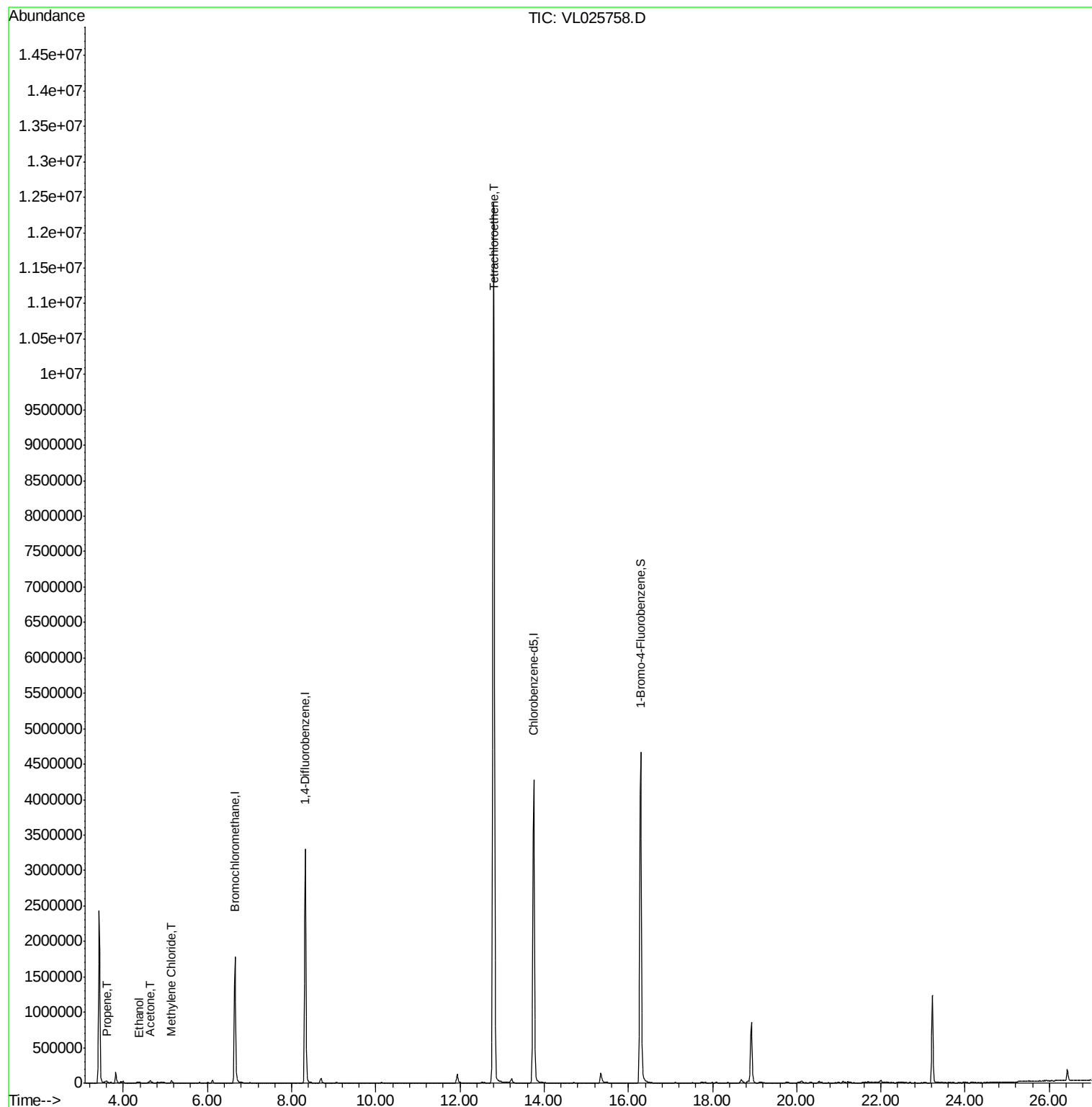
Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL072715\
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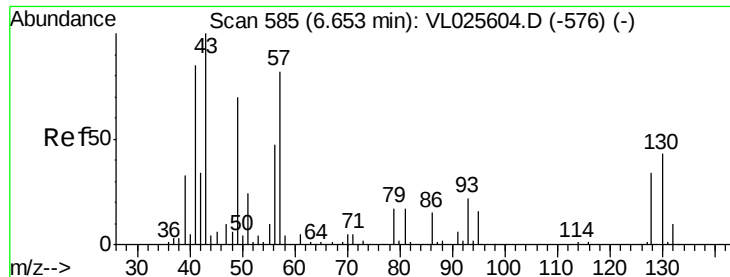
Instrument :
MSVOA_L
ClientSampleId :
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Quant Time: Jul 28 02:03:34 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL070715AIR.M
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#1

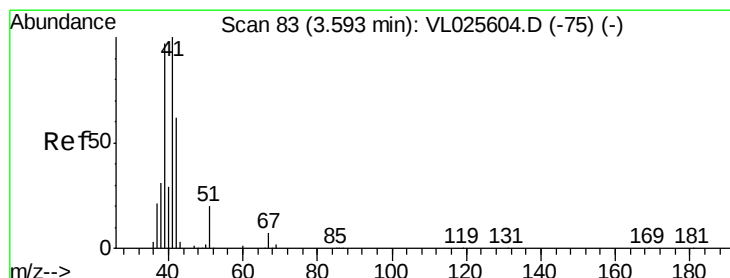
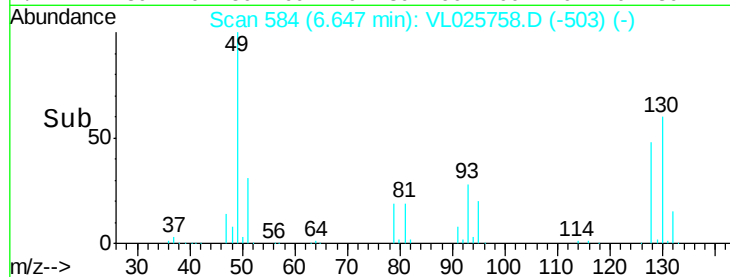
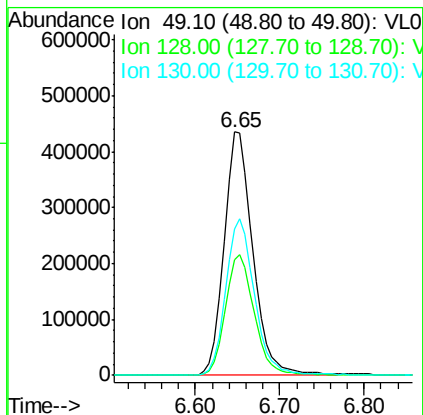
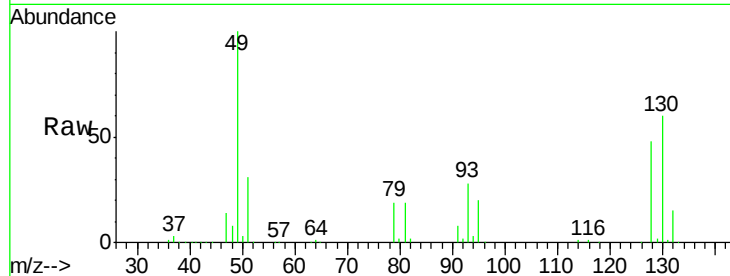
Bromochloromethane
Concen: 10.00 ppbv
RT: 6.65 min Scan# 584
Delta R.T. -0.01 min
Lab File: VL025758.D
Acq: 27 Jul 2015 18:13

Instrument :
MSVOA_L
ClientSampleId :
A-221-BDL

Tgt Ion: 49 Resp: 1018765
Ion Ratio Lower Upper
49 100
128 50.3 25.4 76.0
130 64.9 31.9 95.9

Manual Integrations
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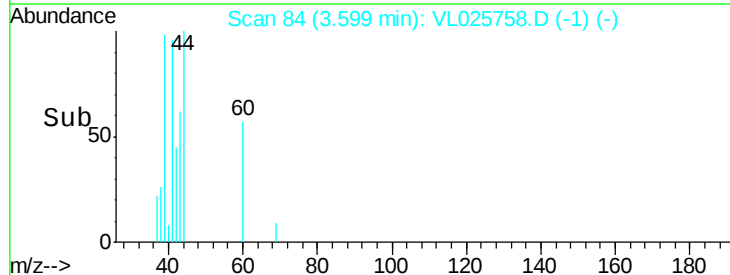
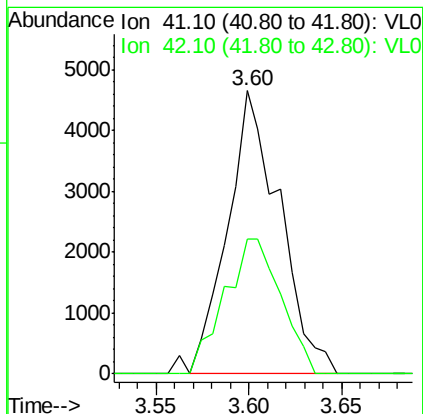
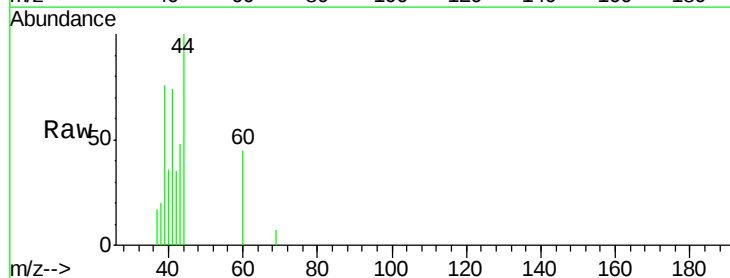
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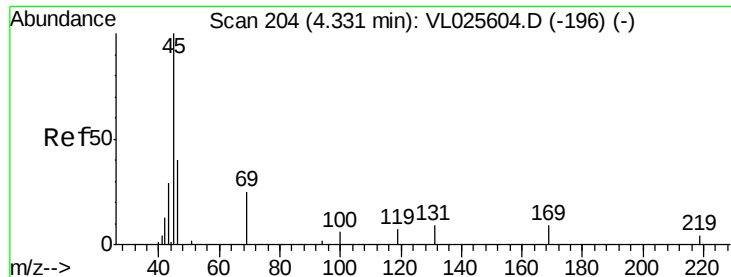


#9

Propene
Concen: 0.19 ppbv m
RT: 3.60 min Scan# 84
Delta R.T. 0.01 min
Lab File: VL025758.D
Acq: 27 Jul 2015 18:13

Tgt Ion: 41 Resp: 9105
Ion Ratio Lower Upper
41 100
42 422.1 52.4 78.6#





#13

Ethanol

Concen: 1.54 ppbv

RT: 4.36 min Scan# 209

Delta R.T. 0.03 min

Lab File: VL025758.D

Acq: 27 Jul 2015 18:13

Instrument :

MSVOA_L

ClientSampled :

A-221-BDL

Tgt Ion: 45 Resp: 11431

Ion Ratio Lower Upper

45 100

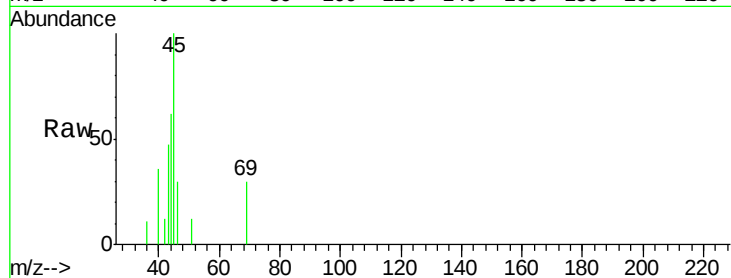
46 37.5 16.0 64.0

Manual Integrations

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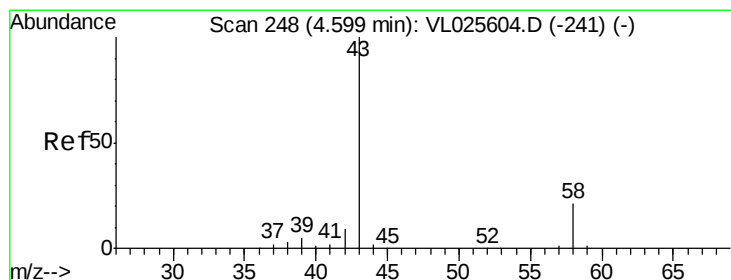
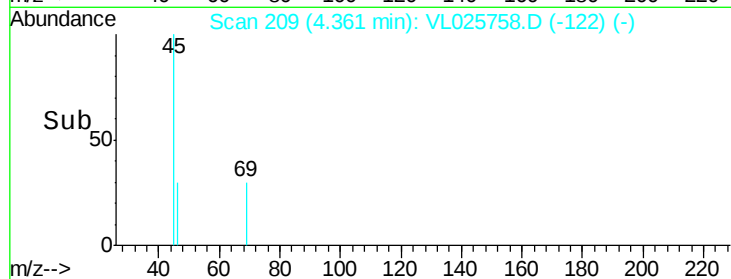
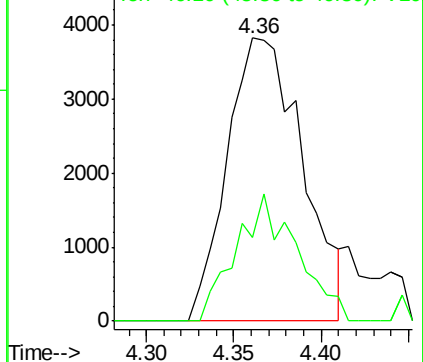
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#15

Acetone

Concen: 0.26 ppbv

RT: 4.64 min Scan# 254

Delta R.T. 0.04 min

Lab File: VL025758.D

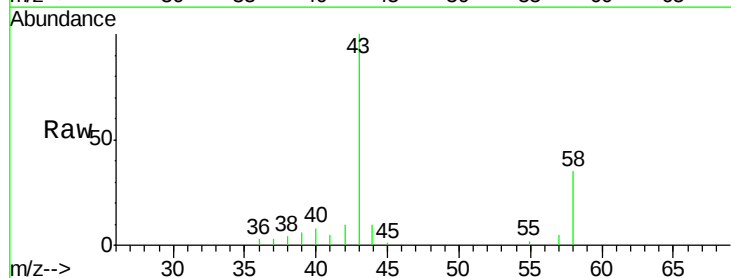
Acq: 27 Jul 2015 18:13

Tgt Ion: 43 Resp: 46676

Ion Ratio Lower Upper

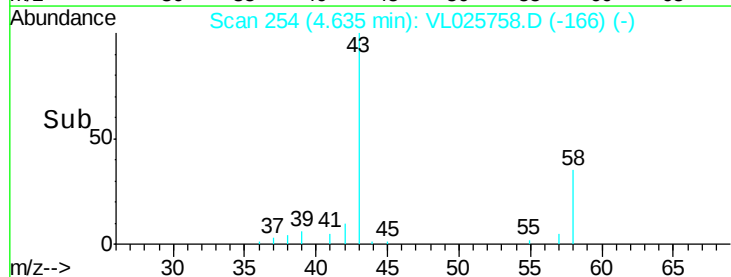
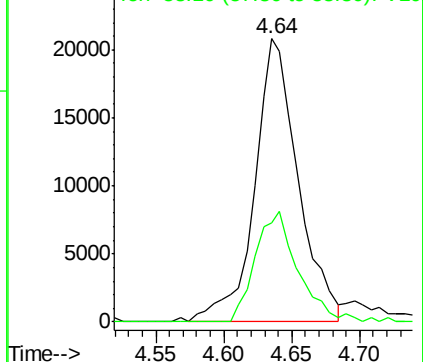
43 100

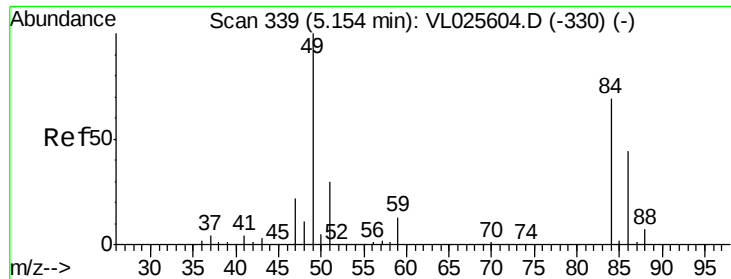
58 38.6 17.2 25.8#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





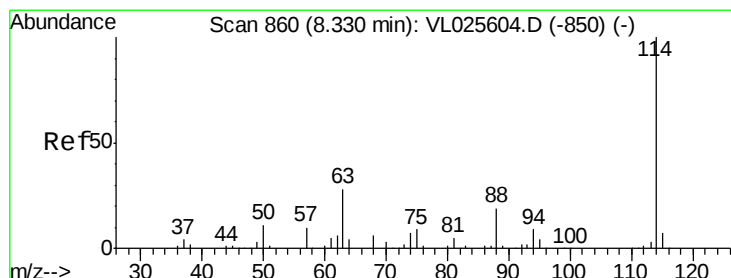
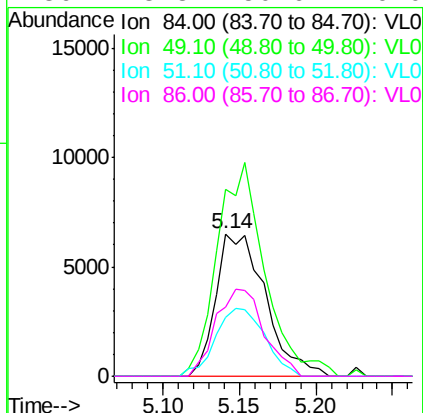
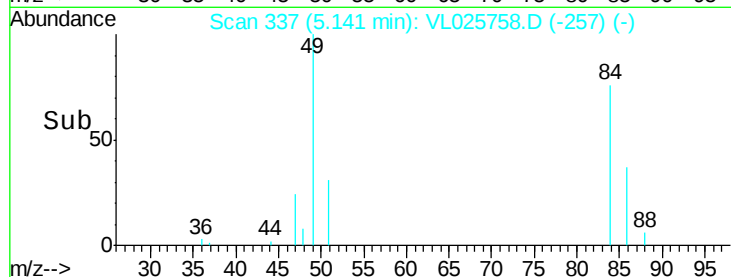
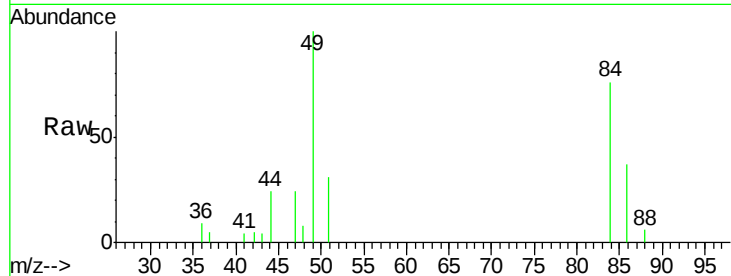
#20
Methylene Chloride
Concen: 0.20 ppbv
RT: 5.14 min Scan# 337
Delta R.T. -0.01 min
Lab File: VL025758.D
Acq: 27 Jul 2015 18:13

Instrument :
MSVOA_L
ClientSampleId :
A-221-BDL

Tgt Ion	Ratio	Lower	Upper
84	100		
49	131.7	115.2	172.8
51	41.0	35.0	52.6
86	48.8	50.6	76.0

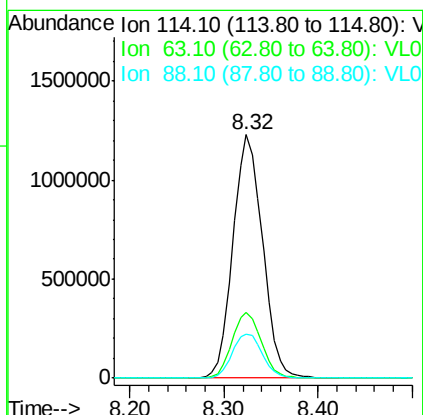
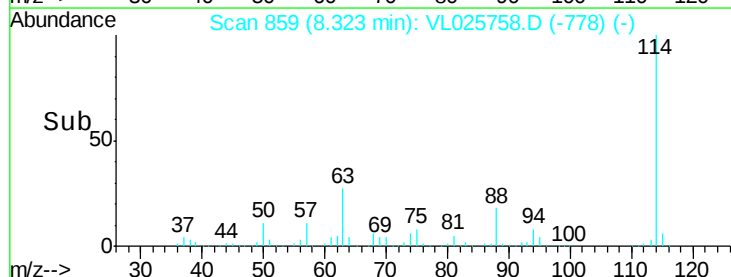
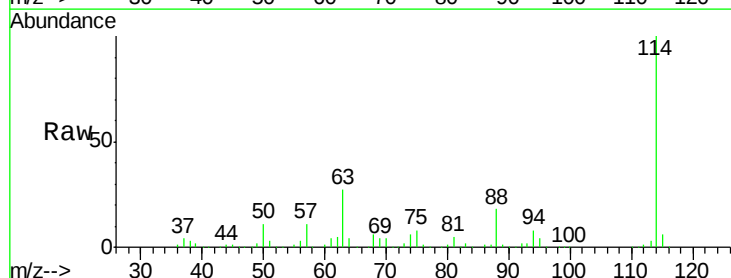
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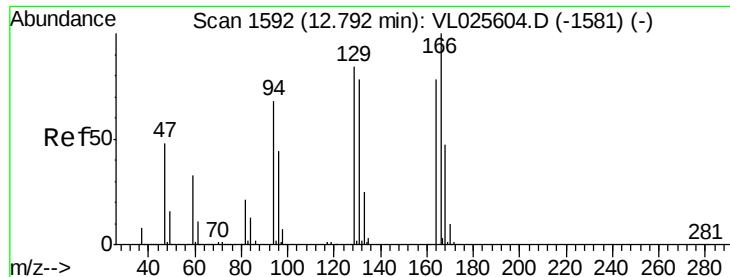
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#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.32 min Scan# 859
Delta R.T. -0.01 min
Lab File: VL025758.D
Acq: 27 Jul 2015 18:13

Tgt Ion	Ratio	Lower	Upper
114	100		
63	26.9	22.4	33.6
88	18.7	15.0	22.4





#52

Tetrachloroethene

Concen: 29.34 ppbv

RT: 12.80 min Scan# 1594

Delta R.T. 0.01 min

Lab File: VL025758.D

Acq: 27 Jul 2015 18:13

Instrument :

MSVOA_L

ClientSampleId :

A-221-BDL

Tgt Ion:164 Resp: 3794563

Ion Ratio Lower Upper

164 100

166 124.1 102.3 153.5

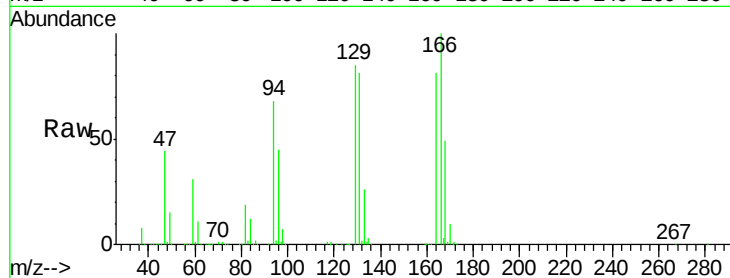
129 105.3 86.2 129.4

131 100.5 80.3 120.5

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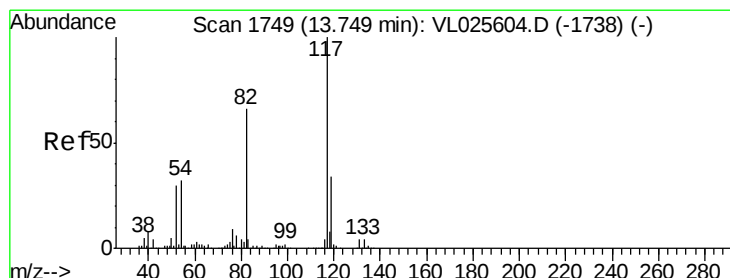
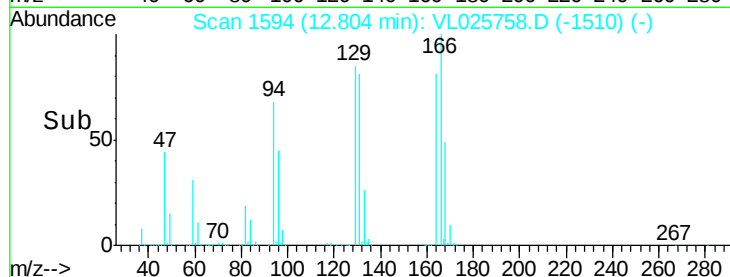
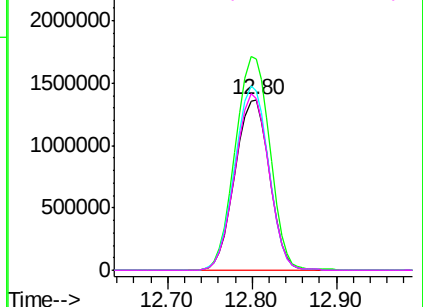
Abundance

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: 13.75 min Scan# 1749

Delta R.T. -0.00 min

Lab File: VL025758.D

Acq: 27 Jul 2015 18:13

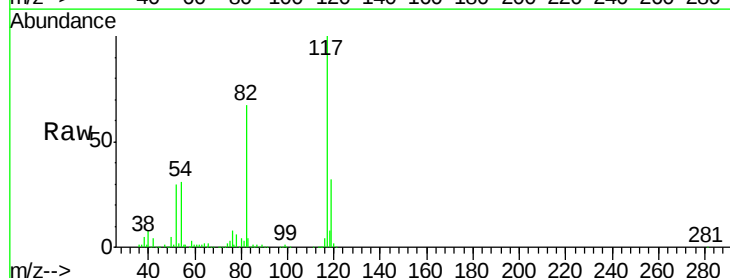
Tgt Ion:117 Resp: 3241149

Ion Ratio Lower Upper

117 100

82 66.2 50.5 75.7

119 32.6 45.1 67.7#

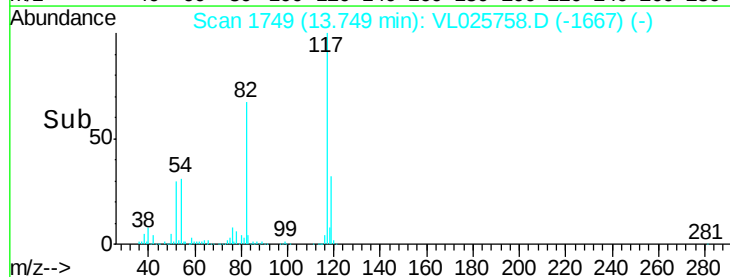
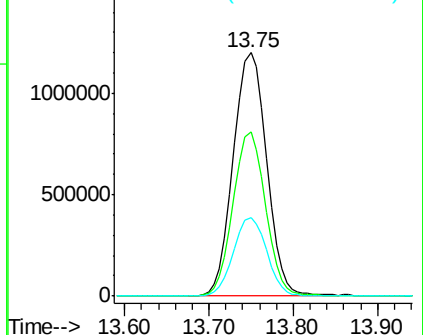


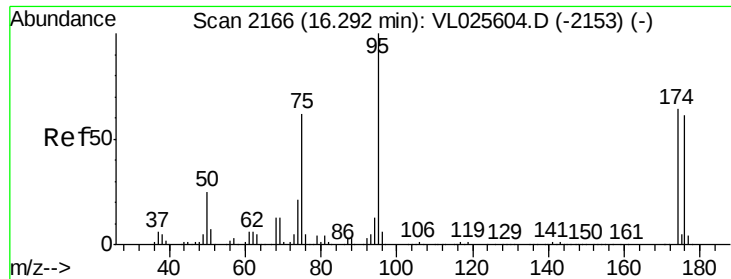
Abundance

Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.01 ppbv
 RT: 16.29 min Scan# 2166
 Delta R.T. -0.00 min
 Lab File: VL025758.D
 Acq: 27 Jul 2015 18:13

Instrument :
 MSVOA_L
 ClientSampleId :
 A-221-BDL

Tgt Ion: 95 Resp: 2736358
 Ion Ratio Lower Upper
 95 100
 174 64.2 52.0 78.0
 175 5.0 3.9 5.9

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