

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL072715\
 Data File : VL025774.D
 Acq On : 28 Jul 2015 5:00
 Operator : SY/MD
 Sample : G3040-08 120X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 DIN46-MIDPOINT-072315

Quant Time: Jul 28 11:53:35 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	592227	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.34	114	1608114	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.75	117	2075639	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.29	95	1790759	10.23	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.30%

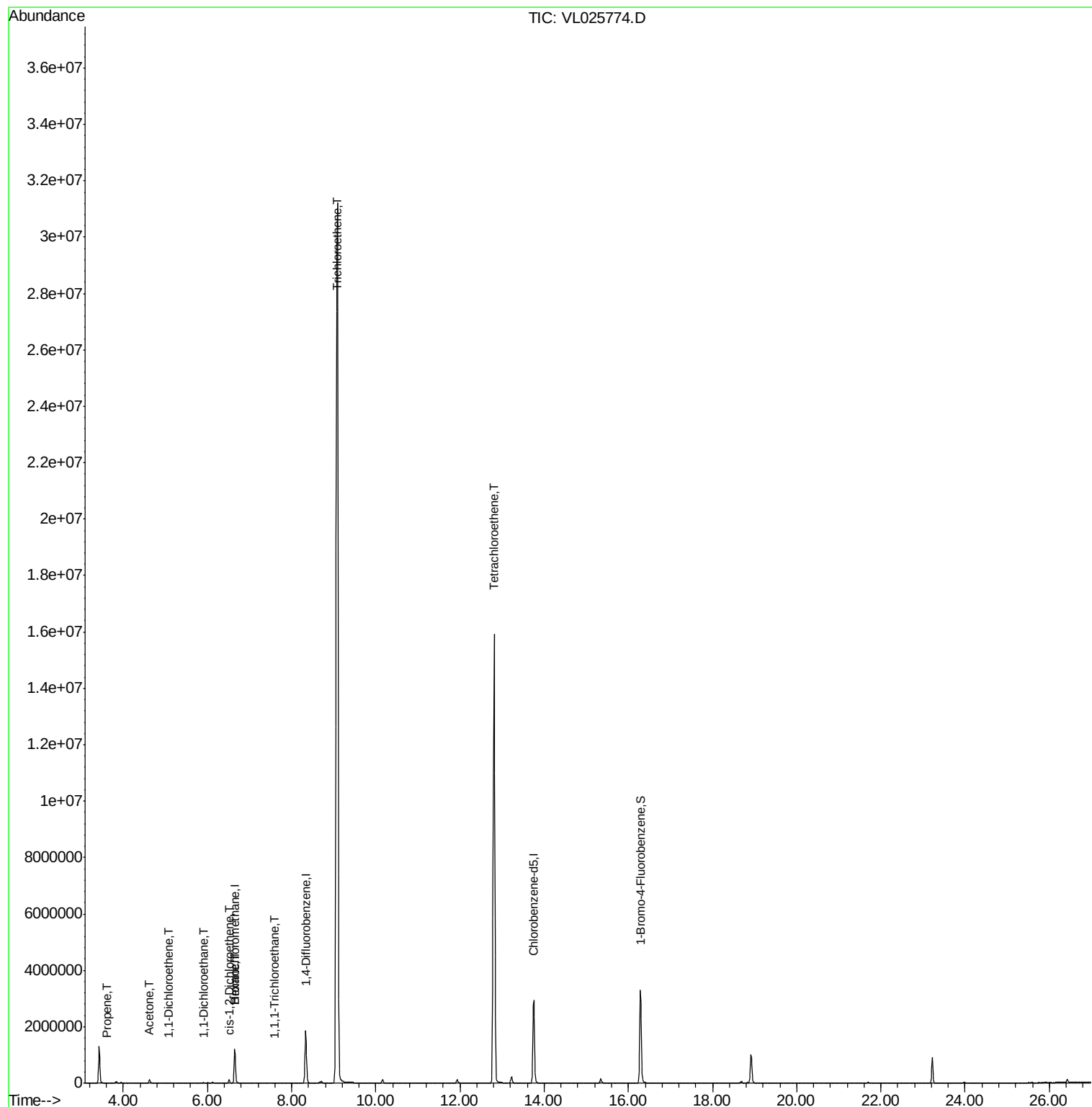
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	3.60	41	4018	0.14	ppbv #	73
15) Acetone	4.62	43	183805	1.76	ppbv	96
18) 1,1-Dichloroethene	5.09	96	5877	0.13	ppbv #	76
24) 1,1-Dichloroethane	5.90	63	10802	0.10	ppbv #	87
26) Hexane	6.66	57	12819	0.17	ppbv #	39
31) cis-1,2-Dichloroethene	6.51	61	90715	1.22	ppbv	99
32) 1,1,1-Trichloroethane	7.60	97	4866	0.03	ppbv	96
38) Trichloroethene	9.09	130	15934167	222.52	ppbv	90
52) Tetrachloroethene	12.81	164	4666811	60.42	ppbv	98

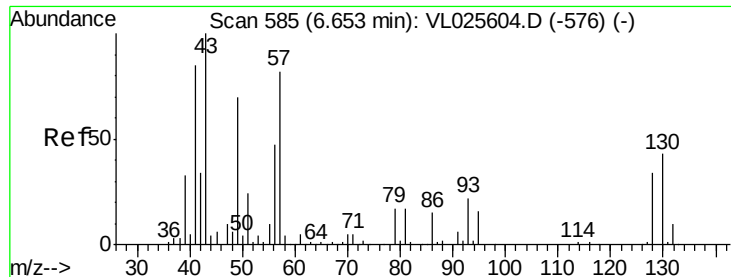
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jul 08 02:22:55 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: VL025774.D

Acq: 28 Jul 2015 5:00

Instrument :

MSVOA_L

ClientSampleId :

DIN46-MIDPOINT-072315

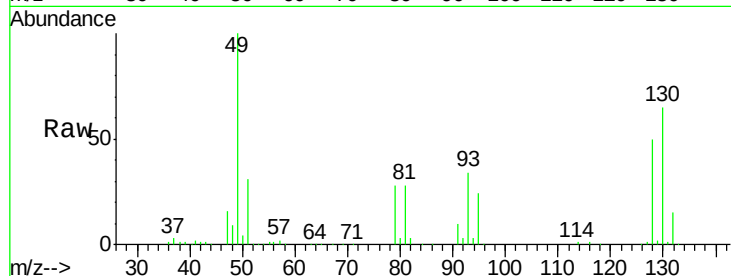
Tgt Ion: 49 Resp: 592227

Ion Ratio Lower Upper

49 100

128 52.2 25.4 76.0

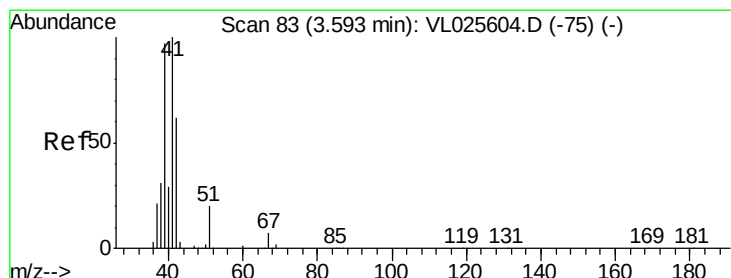
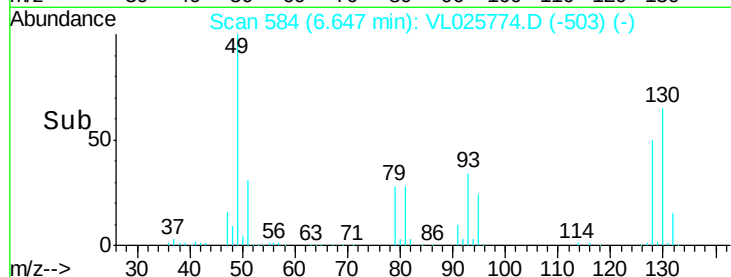
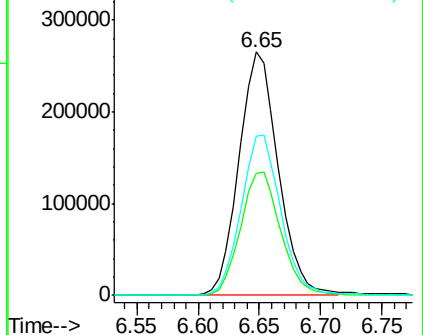
130 67.3 31.9 95.9



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: 0.14 ppbv

RT: 3.60 min Scan# 84

Delta R.T. 0.01 min

Lab File: VL025774.D

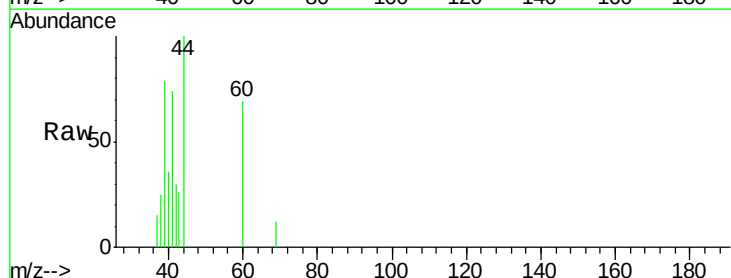
Acq: 28 Jul 2015 5:00

Tgt Ion: 41 Resp: 4018

Ion Ratio Lower Upper

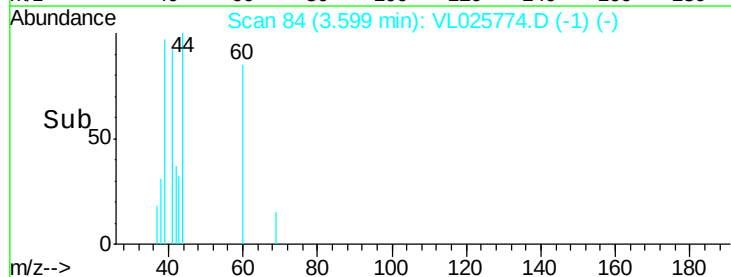
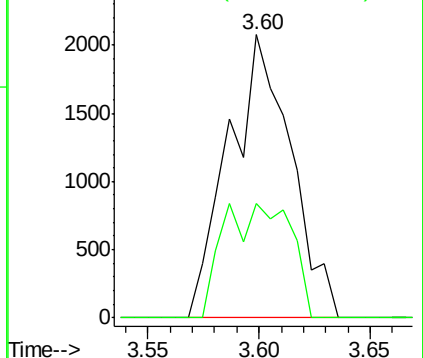
41 100

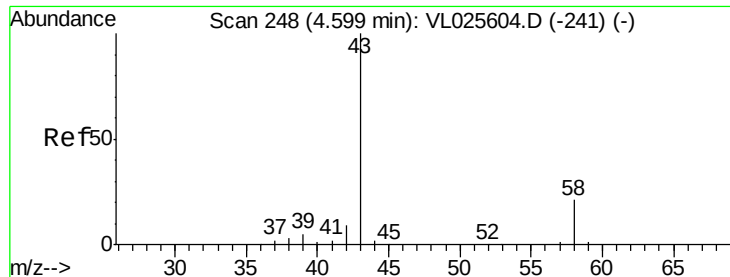
42 43.8 52.4 78.6#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 1.76 ppbv

RT: 4.62 min Scan# 252

Delta R.T. 0.02 min

Lab File: VL025774.D

Acq: 28 Jul 2015 5:00

Instrument :

MSVOA_L

ClientSampleId :

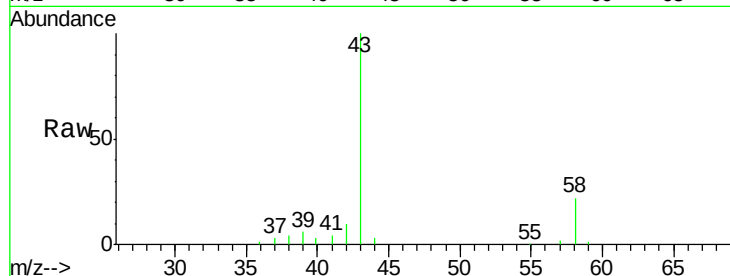
DIN46-MIDPOINT-072315

Tgt Ion: 43 Resp: 183805

Ion Ratio Lower Upper

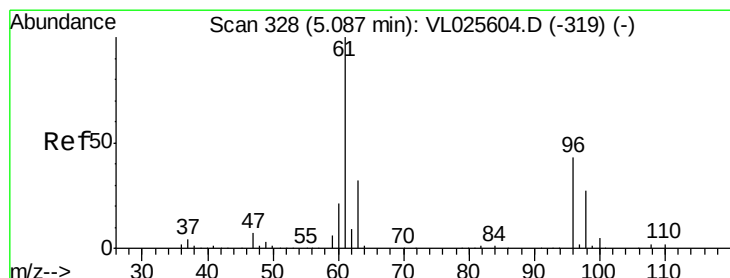
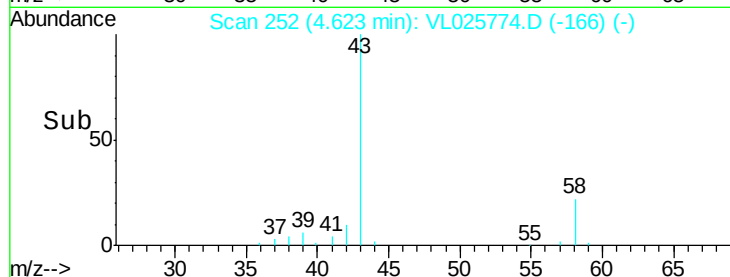
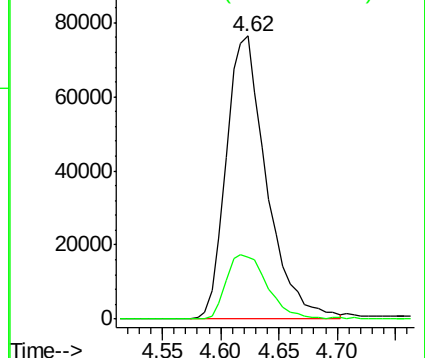
43 100

58 23.5 17.2 25.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#18

1,1-Dichloroethene

Concen: 0.13 ppbv

RT: 5.09 min Scan# 328

Delta R.T. -0.00 min

Lab File: VL025774.D

Acq: 28 Jul 2015 5:00

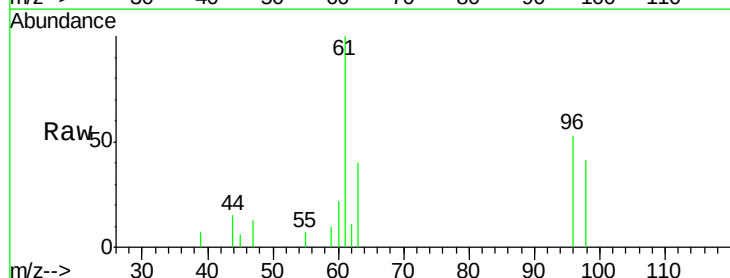
Tgt Ion: 96 Resp: 5877

Ion Ratio Lower Upper

96 100

61 187.1 184.1 276.1

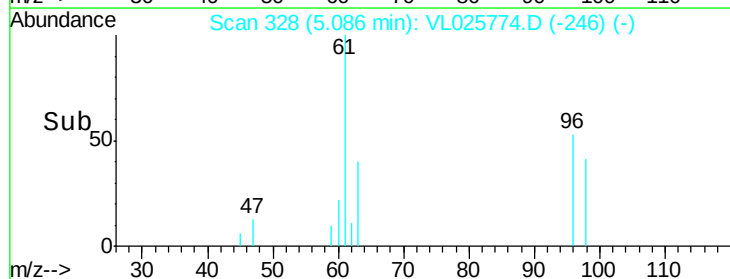
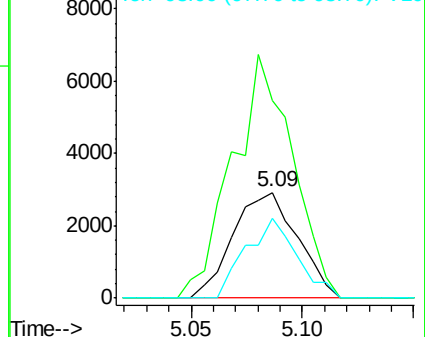
98 76.0 50.0 75.0#

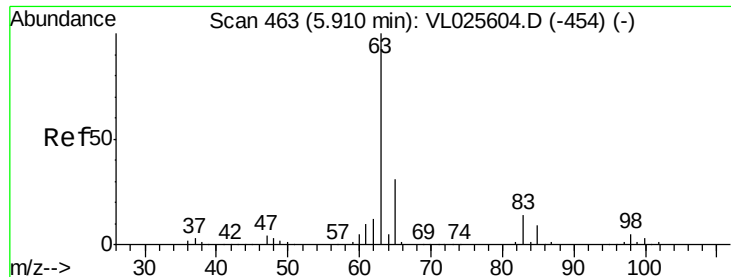


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#24

1,1-Dichloroethane

Concen: 0.10 ppbv

RT: 5.90 min Scan# 462

Delta R.T. -0.01 min

Lab File: VL025774.D

Acq: 28 Jul 2015 5:00

Instrument :

MSVOA_L

ClientSampleId :

DIN46-MIDPOINT-072315

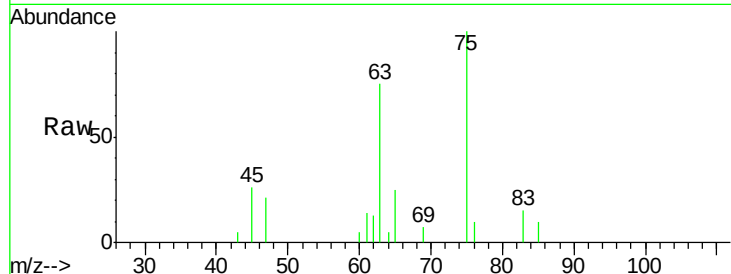
Tgt Ion: 63 Resp: 10802

Ion Ratio Lower Upper

63 100

98 0.0 2.6 8.0#

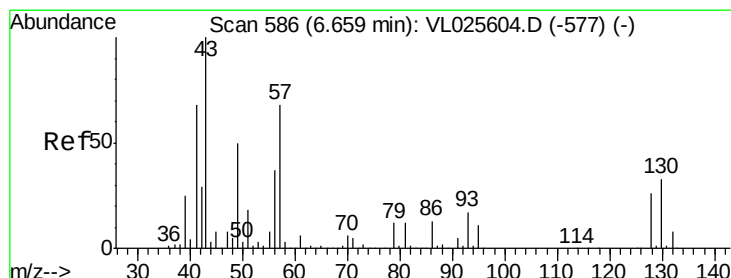
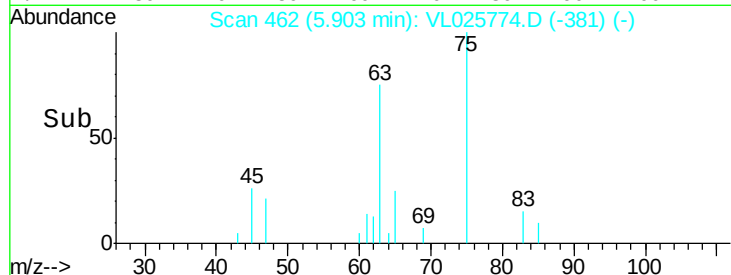
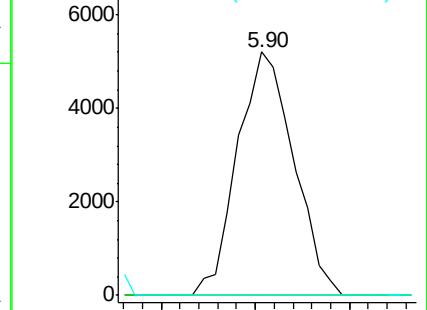
100 0.0 1.6 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



#26

Hexane

Concen: 0.17 ppbv

RT: 6.66 min Scan# 586

Delta R.T. -0.00 min

Lab File: VL025774.D

Acq: 28 Jul 2015 5:00

Tgt Ion: 57 Resp: 12819

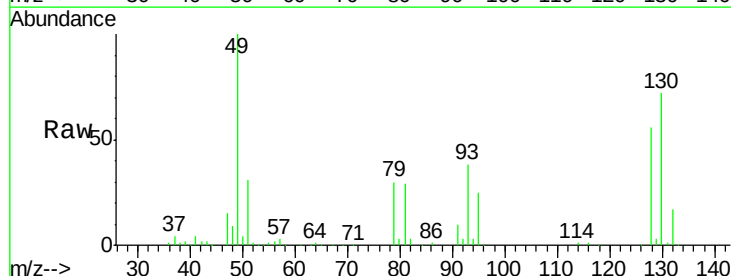
Ion Ratio Lower Upper

57 100

41 129.6 81.4 122.2#

43 73.0 171.4 257.2#

56 63.5 44.5 66.7

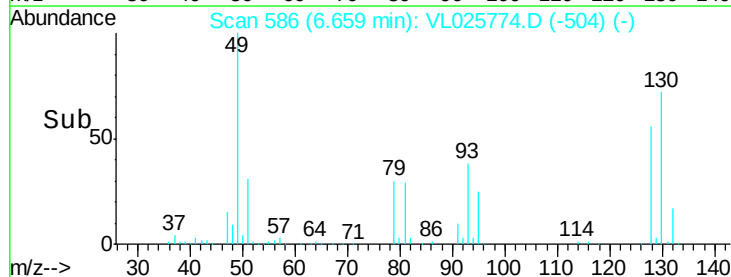
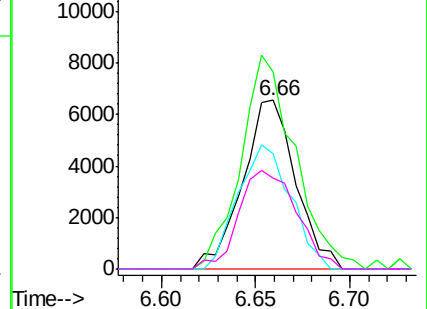


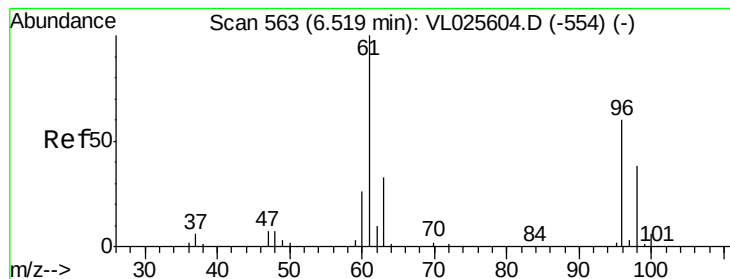
Abundance Ion 57.10 (56.80 to 57.80): VL0

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





#31

cis-1,2-Dichloroethene

Concen: 1.22 ppbv

RT: 6.51 min Scan# 562

Delta R.T. -0.01 min

Lab File: VL025774.D

Acq: 28 Jul 2015 5:00

Instrument :

MSVOA_L

ClientSampleId :

DIN46-MIDPOINT-072315

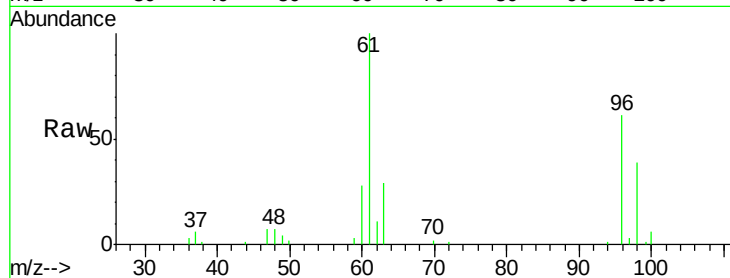
Tgt Ion: 61 Resp: 90715

Ion Ratio Lower Upper

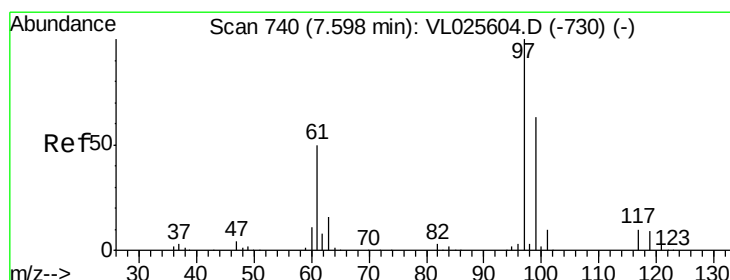
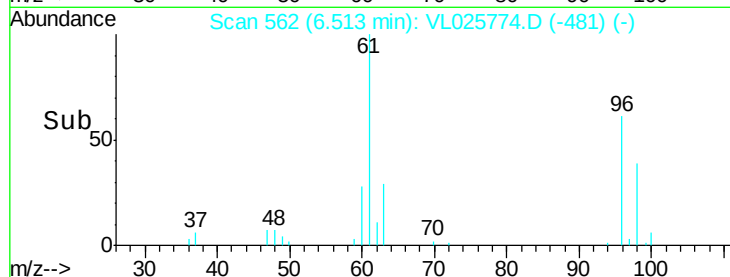
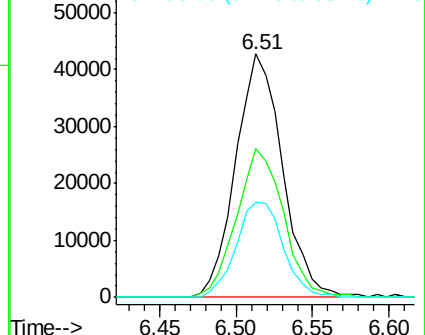
61 100

96 60.9 48.1 72.1

98 39.3 30.7 46.1



Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 0.03 ppbv

RT: 7.60 min Scan# 740

Delta R.T. -0.00 min

Lab File: VL025774.D

Acq: 28 Jul 2015 5:00

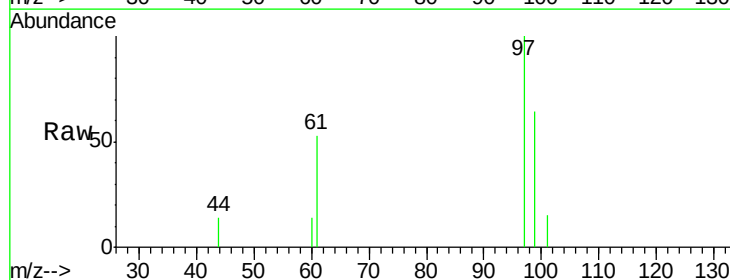
Tgt Ion: 97 Resp: 4866

Ion Ratio Lower Upper

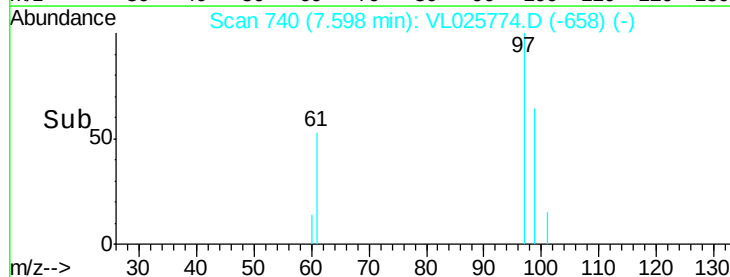
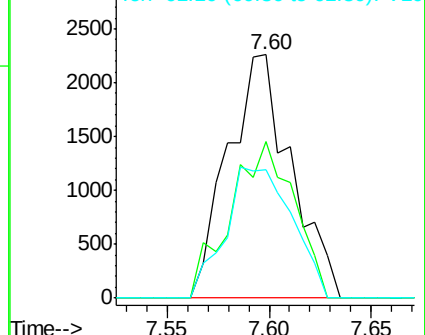
97 100

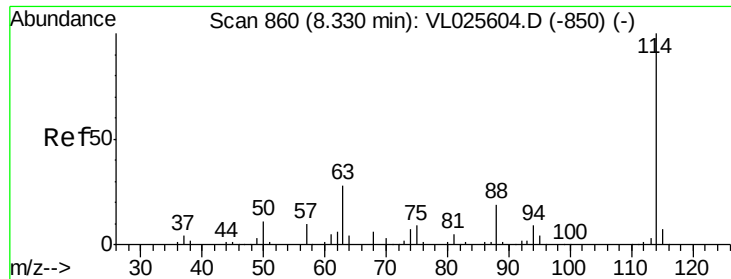
99 64.7 51.2 76.8

61 56.6 40.4 60.6



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0

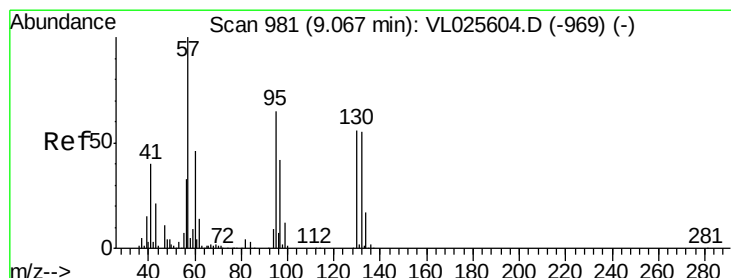
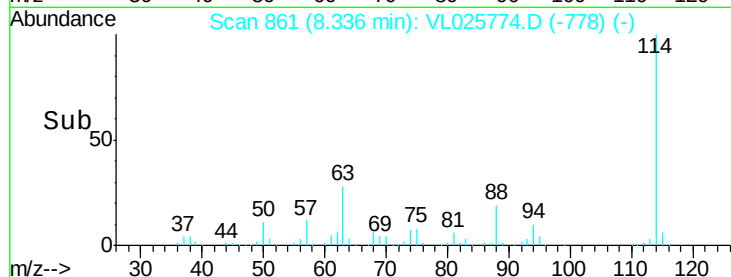
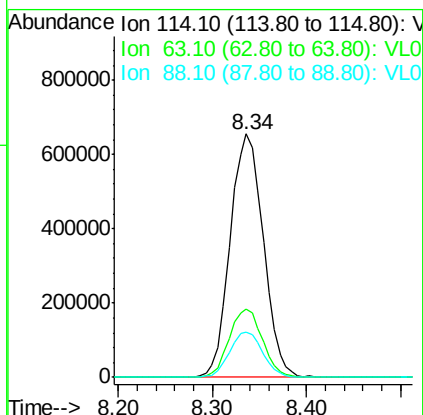
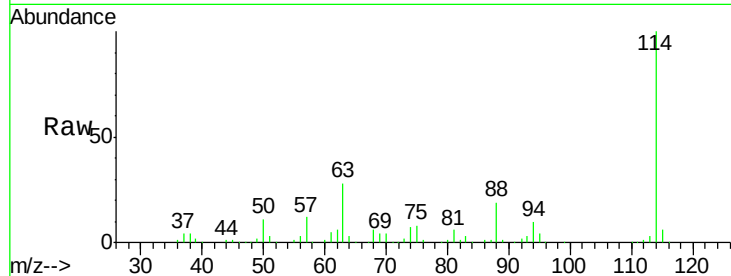




#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.34 min Scan# 861
 Delta R.T. 0.01 min
 Lab File: VL025774.D
 Acq: 28 Jul 2015 5:00

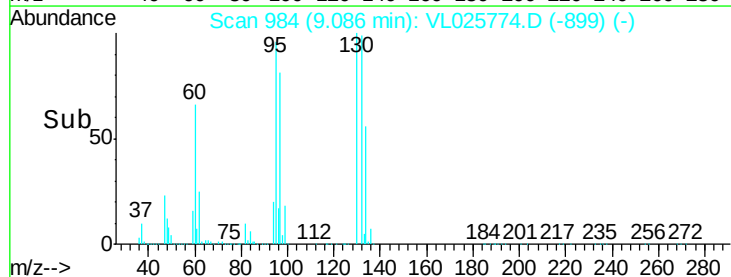
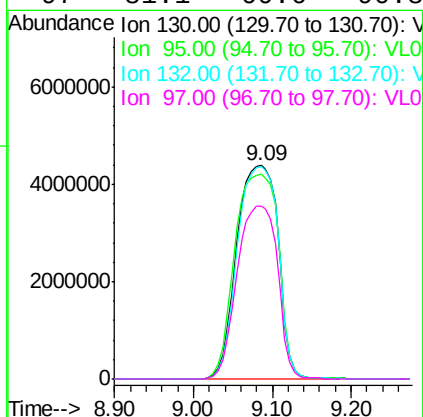
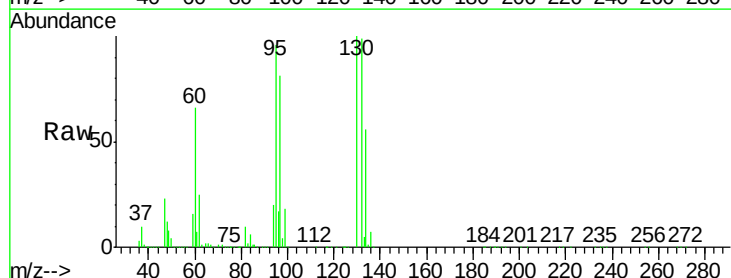
Instrument :
 MSVOA_L
 ClientSampleId :
 DIN46-MIDPOINT-072315

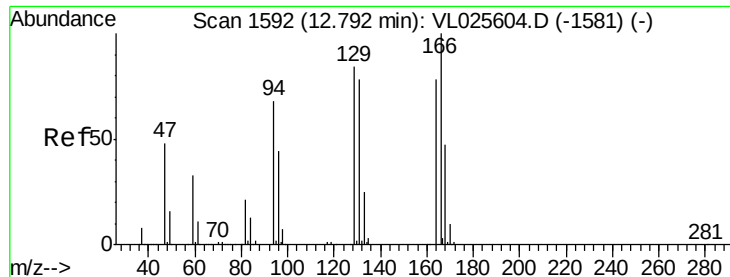
Tgt Ion:114 Resp: 1608114
 Ion Ratio Lower Upper
 114 100
 63 28.1 22.4 33.6
 88 18.8 15.0 22.4



#38
 Trichloroethene
 Concen: 222.52 ppbv
 RT: 9.09 min Scan# 984
 Delta R.T. 0.02 min
 Lab File: VL025774.D
 Acq: 28 Jul 2015 5:00

Tgt Ion:130 Resp:15934167
 Ion Ratio Lower Upper
 130 100
 95 96.2 94.2 141.4
 132 99.3 78.6 118.0
 97 81.1 60.6 90.8





#52

Tetrachloroethene

Concen: 60.42 ppbv

RT: 12.81 min Scan# 1595

Delta R.T. 0.02 min

Lab File: VL025774.D

Acq: 28 Jul 2015 5:00

Instrument :

MSVOA_L

ClientSampleId :

DIN46-MIDPOINT-072315

Tgt Ion:164 Resp: 4666811

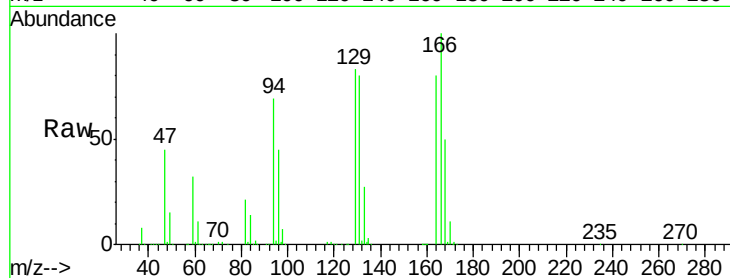
Ion Ratio Lower Upper

164 100

166 124.6 102.3 153.5

129 103.8 86.2 129.4

131 100.2 80.3 120.5

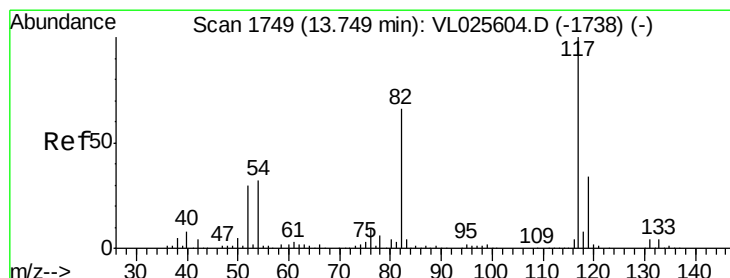
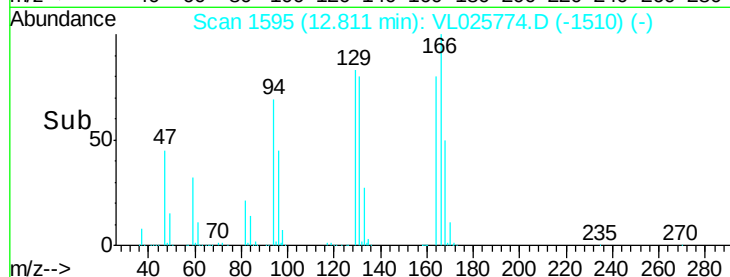
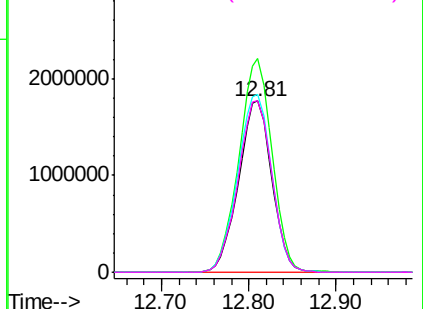


Abundance Ion 163.90 (163.60 to 164.60): V

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: 13.75 min Scan# 1749

Delta R.T. -0.00 min

Lab File: VL025774.D

Acq: 28 Jul 2015 5:00

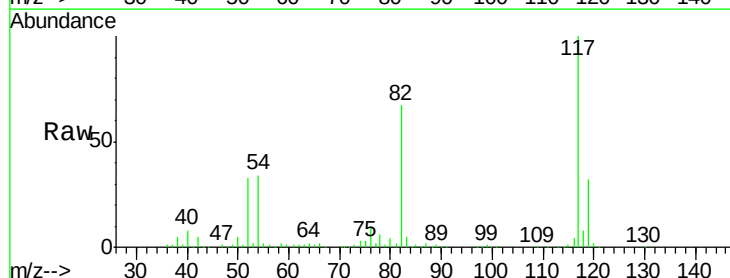
Tgt Ion:117 Resp: 2075639

Ion Ratio Lower Upper

117 100

82 67.0 50.5 75.7

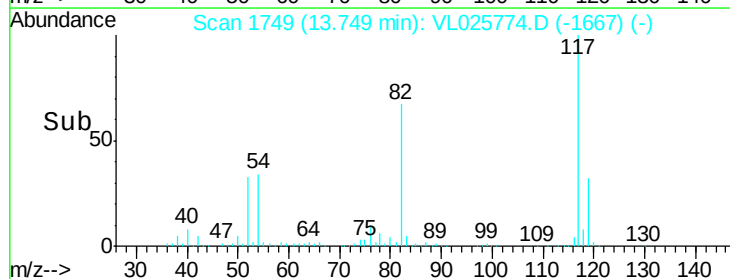
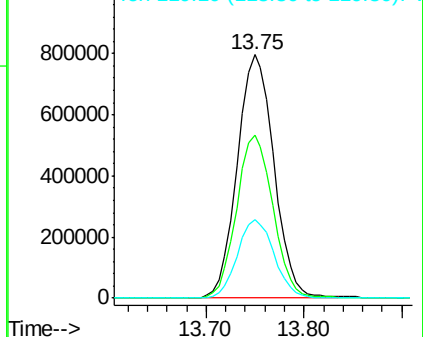
119 32.6 45.1 67.7#

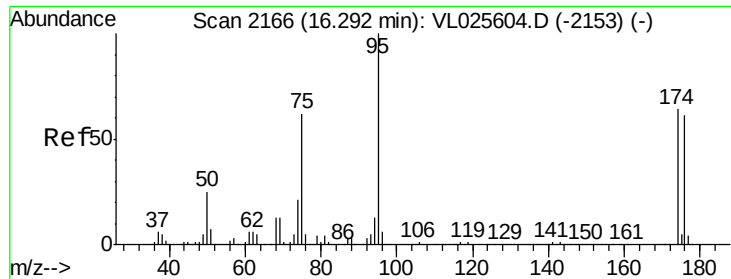


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.23 ppbv

RT: 16.29 min Scan# 2165

Delta R.T. -0.01 min

Lab File: VL025774.D

Acq: 28 Jul 2015 5:00

Instrument :

MSVOA_L

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DIN46-MIDPOINT-072315

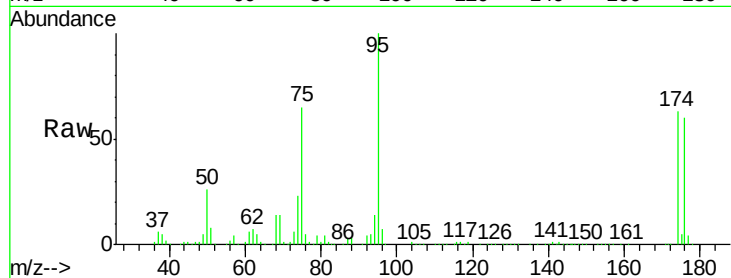
Tgt Ion: 95 Resp: 1790759

Ion Ratio Lower Upper

95 100

174 63.8 52.0 78.0

175 4.8 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

