

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL072715\
 Data File : VL025772.D
 Acq On : 28 Jul 2015 3:40
 Operator : SY/MD
 Sample : G3040-05 120X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ERD45-MIDPOINT-072215

Quant Time: Jul 28 11:50:02 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	703526	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.33	114	1798121	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.74	117	2247979	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.28	95	1910316	10.07	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.70%

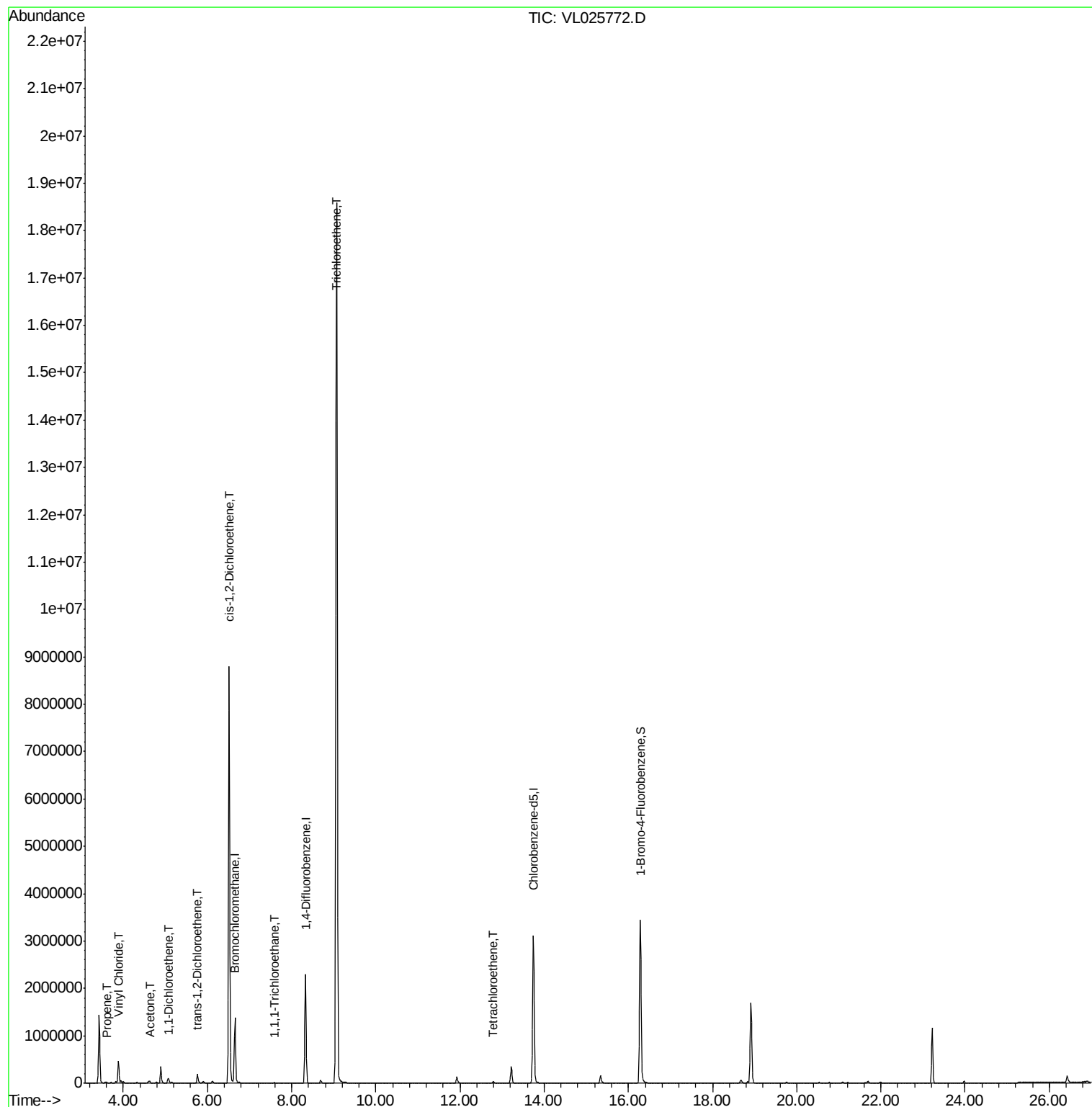
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Vinyl Chloride	3.89	62	493356	10.10	ppbv	100
9) Propene	3.60	41	8487	0.26	ppbv #	81
15) Acetone	4.63	43	51026	0.41	ppbv #	83
18) 1,1-Dichloroethene	5.09	96	16145	0.31	ppbv	98
22) trans-1,2-Dichloroethene	5.76	96	69998	1.32	ppbv	100
31) cis-1,2-Dichloroethene	6.51	61	6144888	69.83	ppbv	94
32) 1,1,1-Trichloroethane	7.60	97	9533	0.05	ppbv #	86
38) Trichloroethene	9.07	130	6942125	86.70	ppbv	95
52) Tetrachloroethene	12.80	164	8305	0.10	ppbv	86

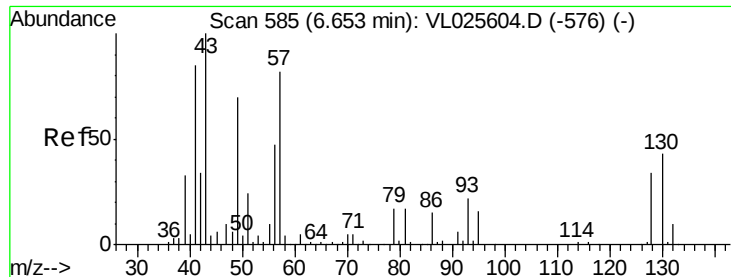
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 585

Delta R.T. -0.00 min

Lab File: VL025772.D

Acq: 28 Jul 2015 3:40

Instrument :

MSVOA_L

ClientSampleId :

ERD45-MIDPOINT-072215

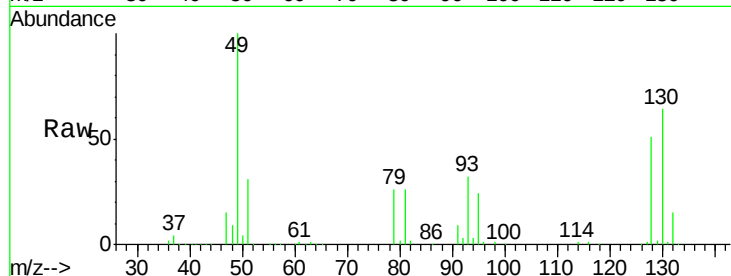
Tgt Ion: 49 Resp: 703526

Ion Ratio Lower Upper

49 100

128 50.0 25.4 76.0

130 64.2 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

6.65

300000

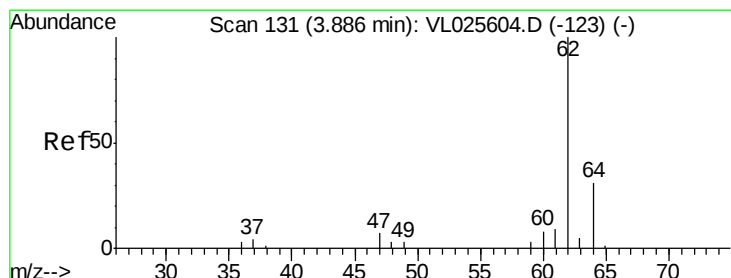
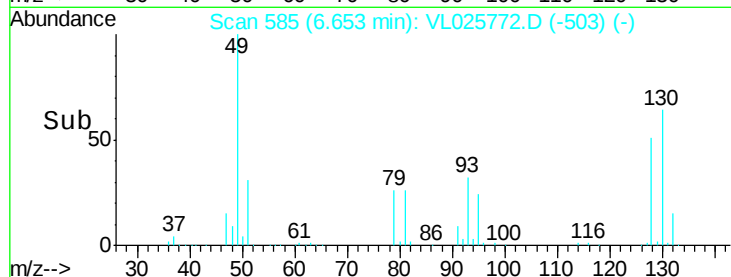
200000

100000

0

6.60 6.70

Time-->



#5

Vinyl Chloride

Concen: 10.10 ppbv

RT: 3.89 min Scan# 131

Delta R.T. -0.00 min

Lab File: VL025772.D

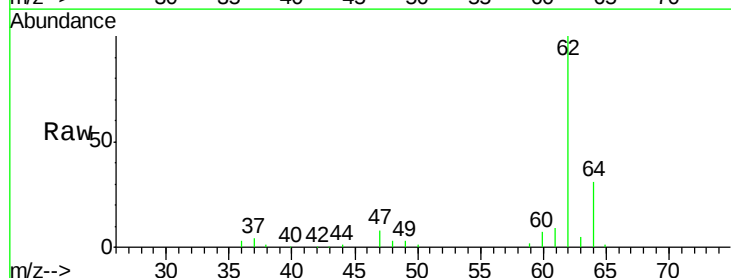
Acq: 28 Jul 2015 3:40

Tgt Ion: 62 Resp: 493356

Ion Ratio Lower Upper

62 100

64 31.4 25.0 37.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.89

300000

250000

200000

150000

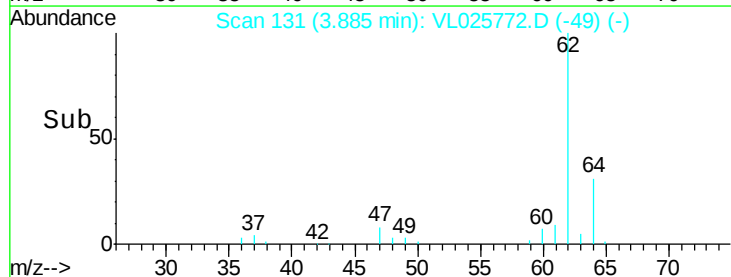
100000

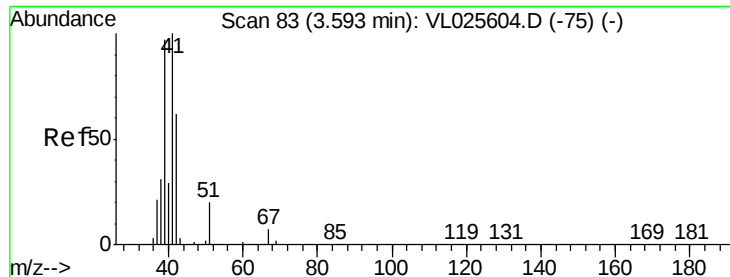
50000

0

3.80 3.90 4.00

Time-->





#9

Propene

Concen: 0.26 ppbv

RT: 3.60 min Scan# 84

Delta R.T. 0.01 min

Lab File: VL025772.D

Acq: 28 Jul 2015 3:40

Instrument :

MSVOA_L

ClientSampleId :

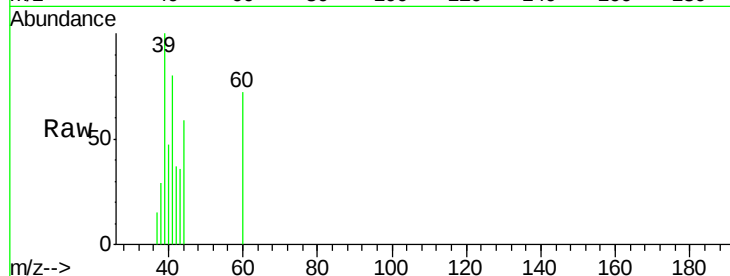
ERD45-MIDPOINT-072215

Tgt Ion: 41 Resp: 8487

Ion Ratio Lower Upper

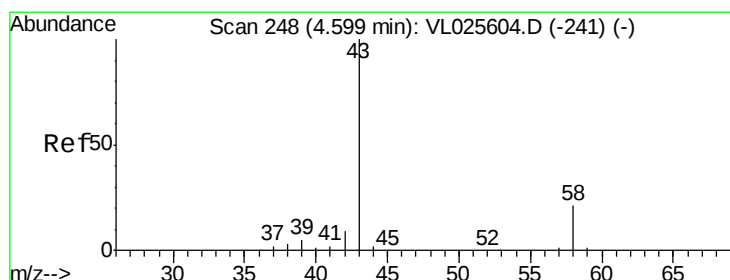
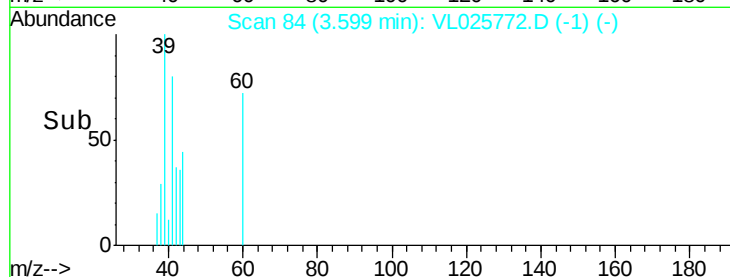
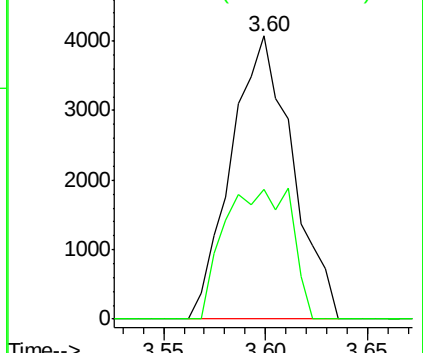
41 100

42 50.6 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: 0.41 ppbv

RT: 4.63 min Scan# 253

Delta R.T. 0.03 min

Lab File: VL025772.D

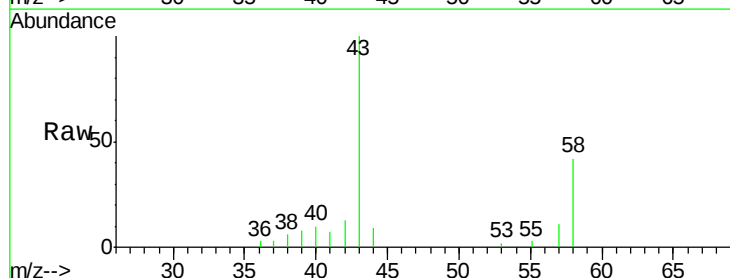
Acq: 28 Jul 2015 3:40

Tgt Ion: 43 Resp: 51026

Ion Ratio Lower Upper

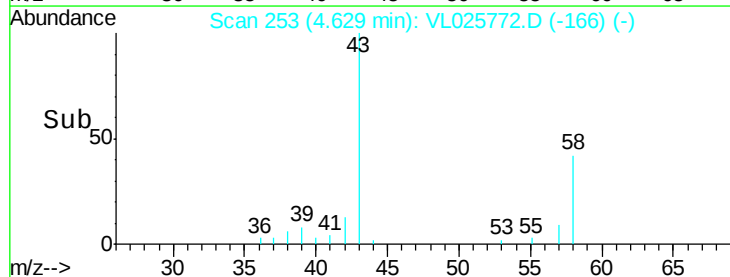
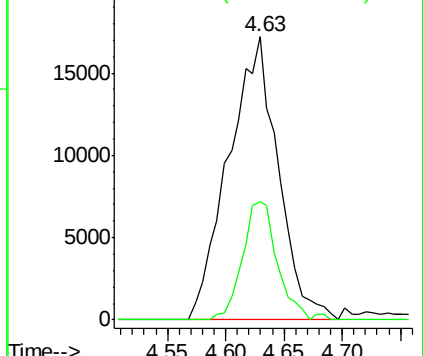
43 100

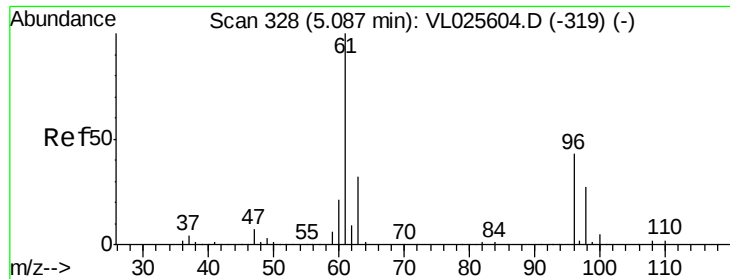
58 29.5 17.2 25.8#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#18

1,1-Dichloroethene

Concen: 0.31 ppbv

RT: 5.09 min Scan# 328

Delta R.T. -0.00 min

Lab File: VL025772.D

Acq: 28 Jul 2015 3:40

Instrument :

MSVOA_L

ClientSampleId :

ERD45-MIDPOINT-072215

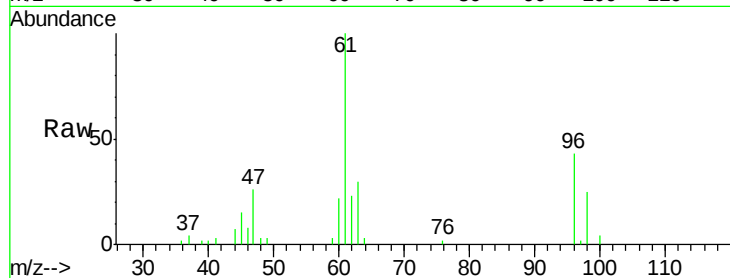
Tgt Ion: 96 Resp: 16145

Ion Ratio Lower Upper

96 100

61 230.4 184.1 276.1

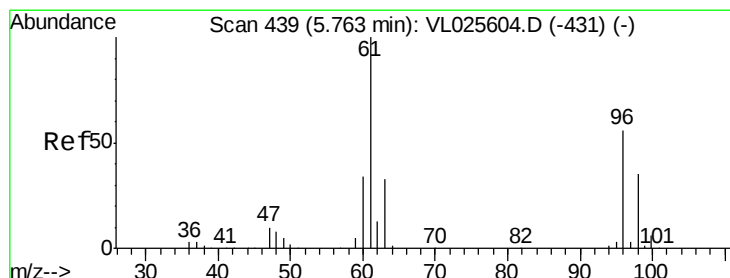
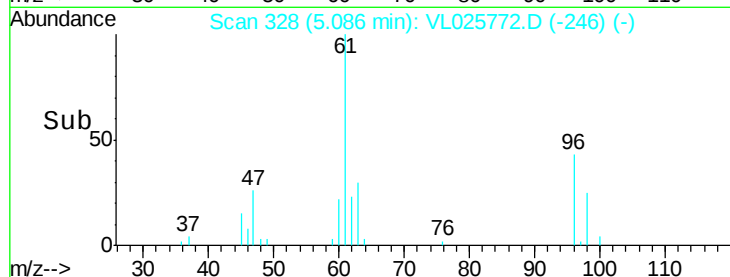
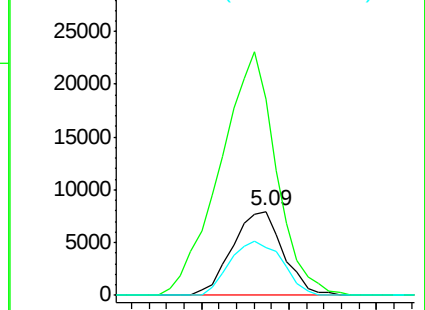
98 57.4 50.0 75.0



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



#22

trans-1,2-Dichloroethene

Concen: 1.32 ppbv

RT: 5.76 min Scan# 439

Delta R.T. -0.00 min

Lab File: VL025772.D

Acq: 28 Jul 2015 3:40

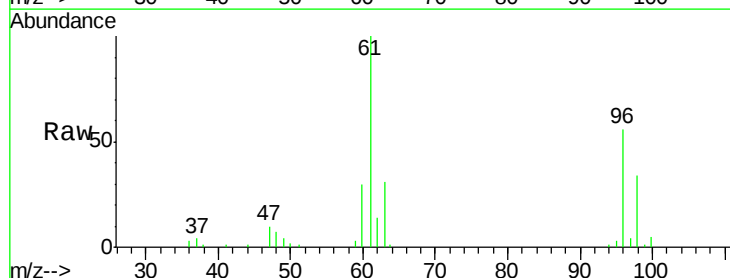
Tgt Ion: 96 Resp: 69998

Ion Ratio Lower Upper

96 100

61 177.9 141.8 212.6

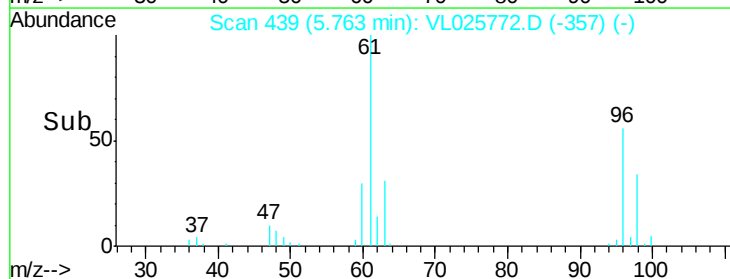
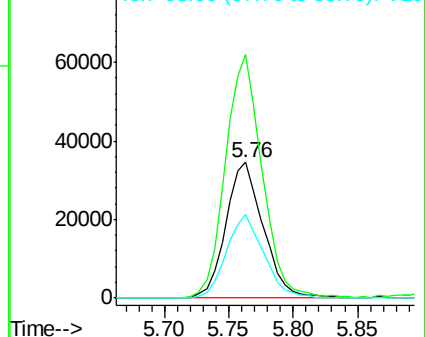
98 61.3 49.0 73.6

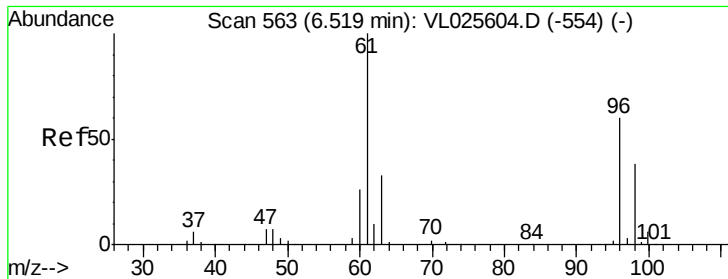


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#31

cis-1,2-Dichloroethene

Concen: 69.83 ppbv

RT: 6.51 min Scan# 562

Delta R.T. -0.01 min

Lab File: VL025772.D

Acq: 28 Jul 2015 3:40

Instrument :

MSVOA_L

ClientSampleId :

ERD45-MIDPOINT-072215

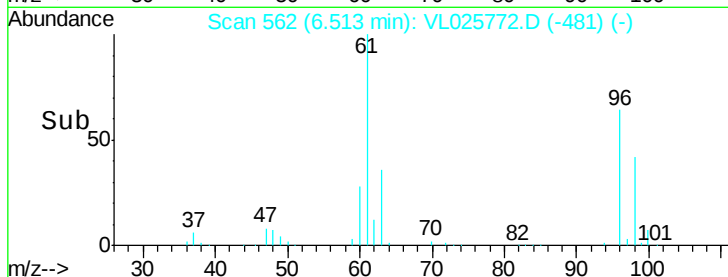
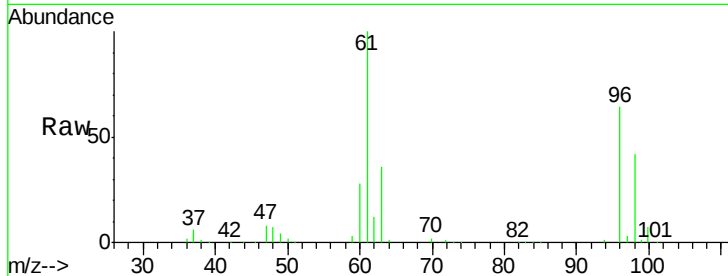
Tgt Ion: 61 Resp: 6144888

Ion Ratio Lower Upper

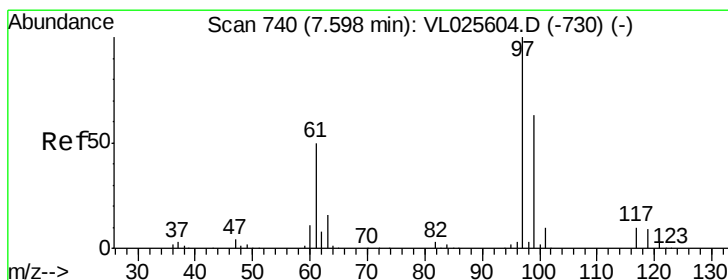
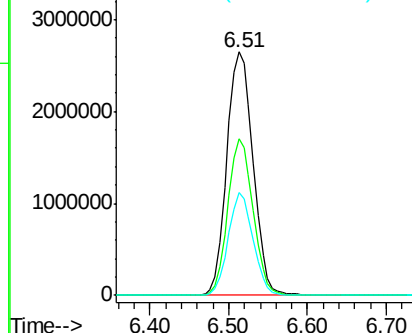
61 100

96 64.4 48.1 72.1

98 42.2 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: 0.05 ppbv

RT: 7.60 min Scan# 740

Delta R.T. -0.00 min

Lab File: VL025772.D

Acq: 28 Jul 2015 3:40

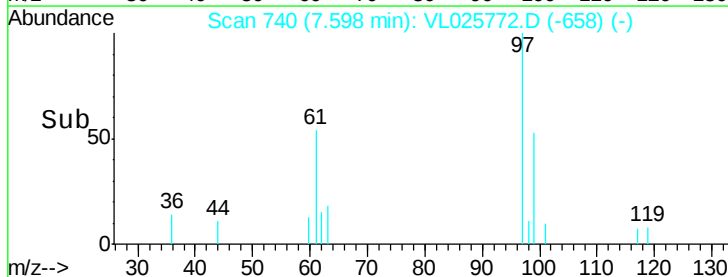
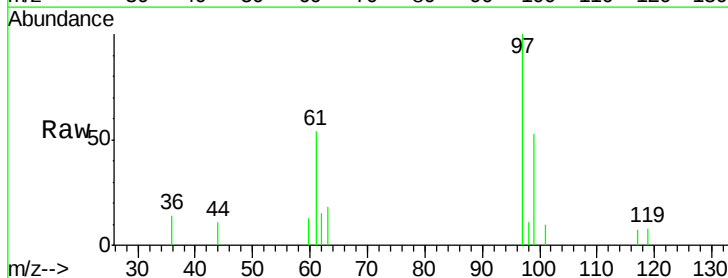
Tgt Ion: 97 Resp: 9533

Ion Ratio Lower Upper

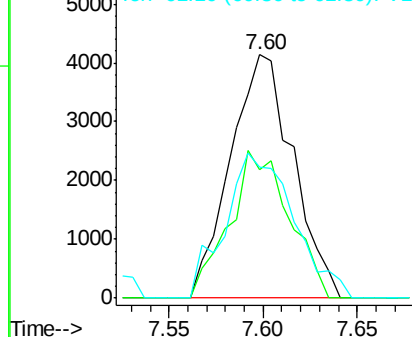
97 100

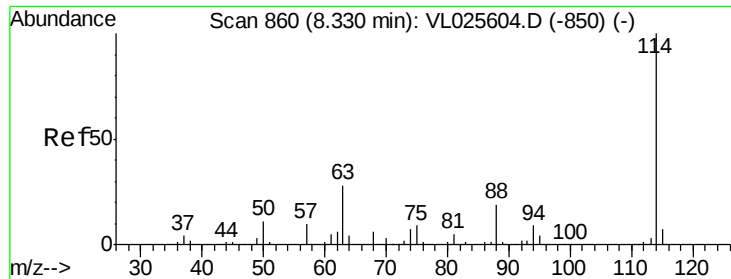
99 57.7 51.2 76.8

61 65.0 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

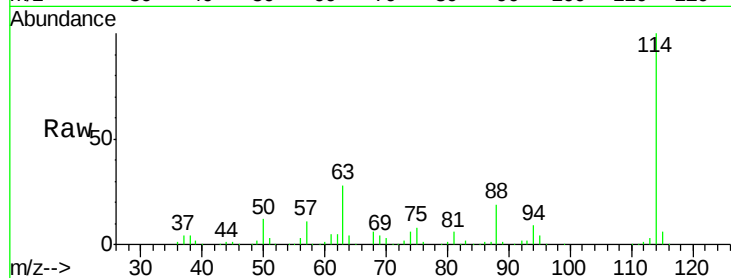




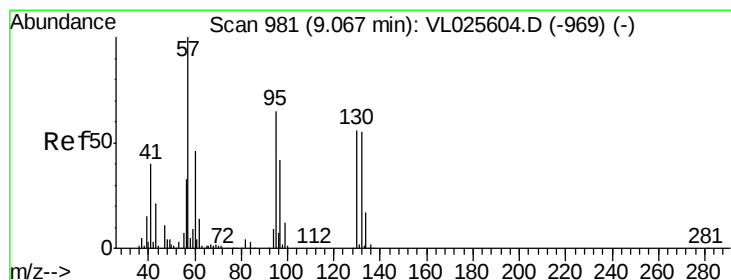
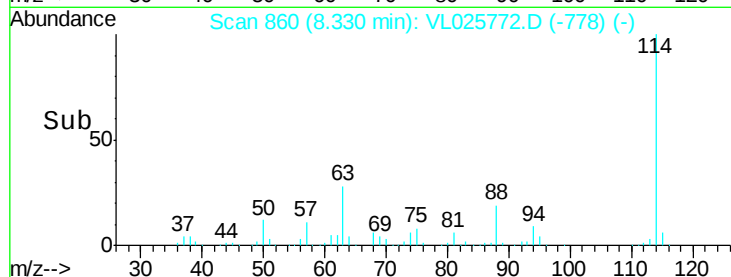
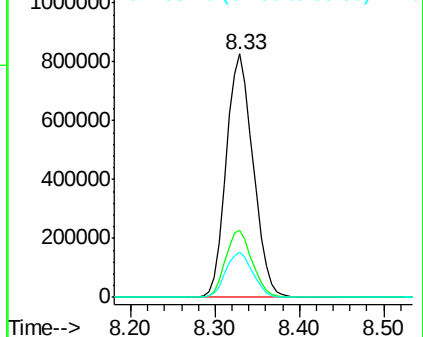
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.33 min Scan# 860
 Delta R.T. -0.00 min
 Lab File: VL025772.D
 Acq: 28 Jul 2015 3:40

Instrument :
 MSVOA_L
 ClientSampleId :
 ERD45-MIDPOINT-072215

Tgt Ion:114 Resp: 1798121
 Ion Ratio Lower Upper
 114 100
 63 27.5 22.4 33.6
 88 18.7 15.0 22.4

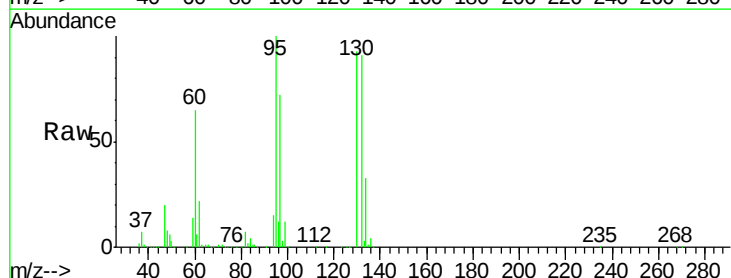


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

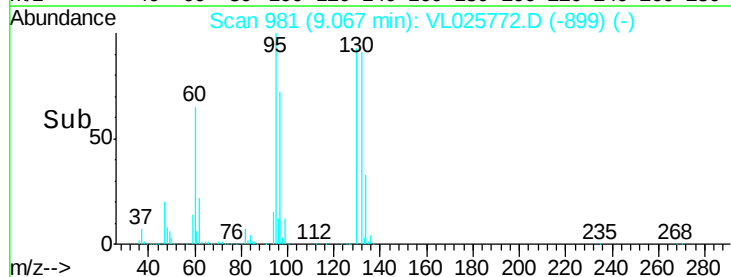
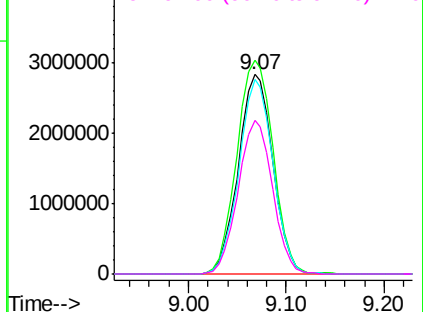


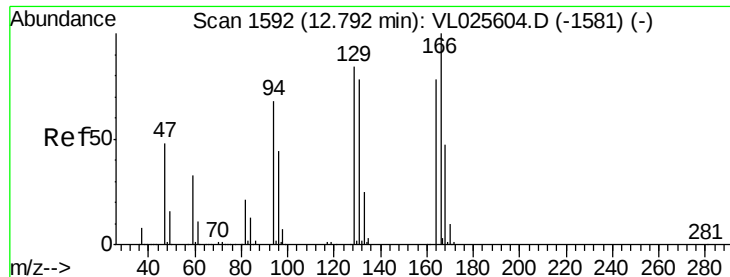
#38
 Trichloroethene
 Concen: 86.70 ppbv
 RT: 9.07 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VL025772.D
 Acq: 28 Jul 2015 3:40

Tgt Ion:130 Resp: 6942125
 Ion Ratio Lower Upper
 130 100
 95 107.0 94.2 141.4
 132 97.2 78.6 118.0
 97 76.7 60.6 90.8



Abundance Ion 130.00 (129.70 to 130.70): V
 Ion 95.00 (94.70 to 95.70): VL0
 Ion 132.00 (131.70 to 132.70): V
 Ion 97.00 (96.70 to 97.70): VL0





#52

Tetrachloroethene

Concen: 0.10 ppbv

RT: 12.80 min Scan# 1593

Delta R.T. 0.01 min

Lab File: VL025772.D

Acq: 28 Jul 2015 3:40

Instrument :

MSVOA_L

ClientSampleId :

ERD45-MIDPOINT-072215

Tgt Ion:164 Resp: 8305

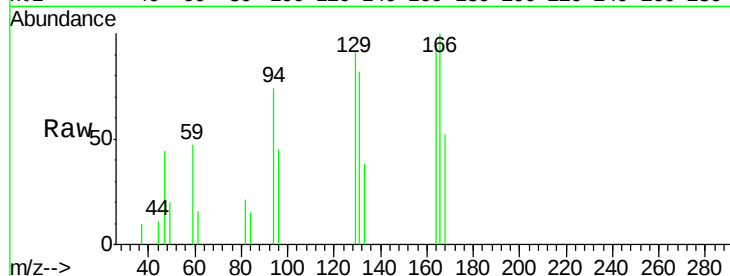
Ion Ratio Lower Upper

164 100

166 106.9 102.3 153.5

129 97.6 86.2 129.4

131 87.5 80.3 120.5

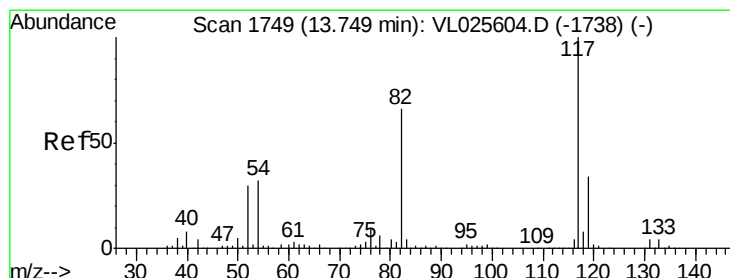
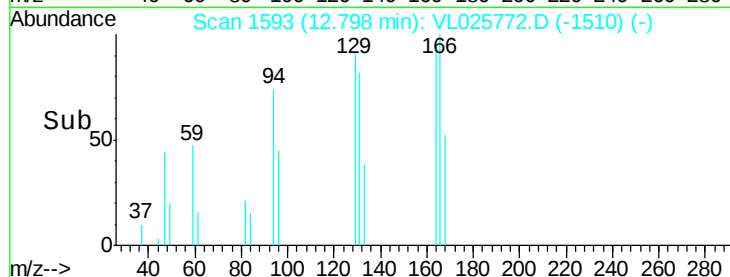
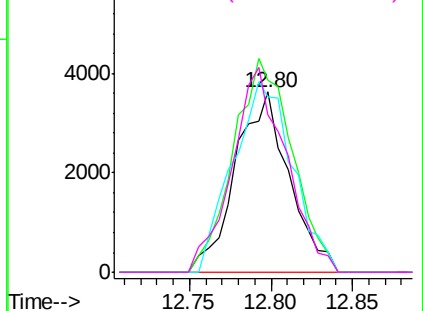


Abundance Ion 163.90 (163.60 to 164.60): V

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: VL025772.D

Acq: 28 Jul 2015 3:40

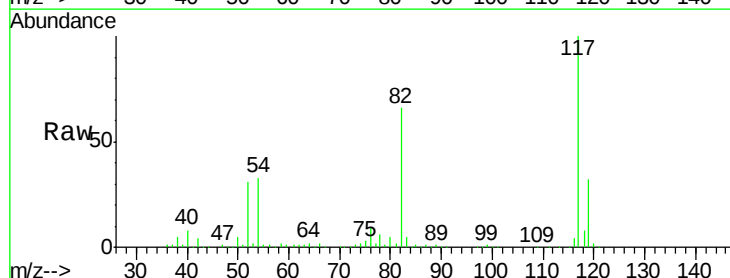
Tgt Ion:117 Resp: 2247979

Ion Ratio Lower Upper

117 100

82 65.8 50.5 75.7

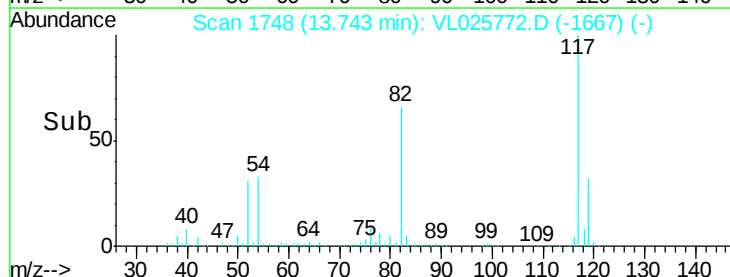
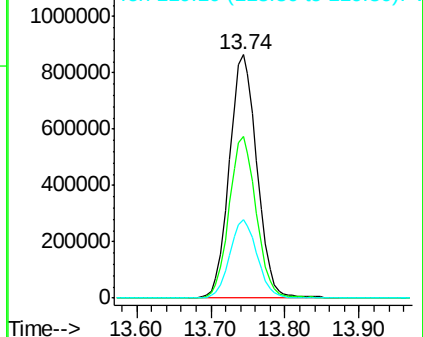
119 32.2 45.1 67.7#

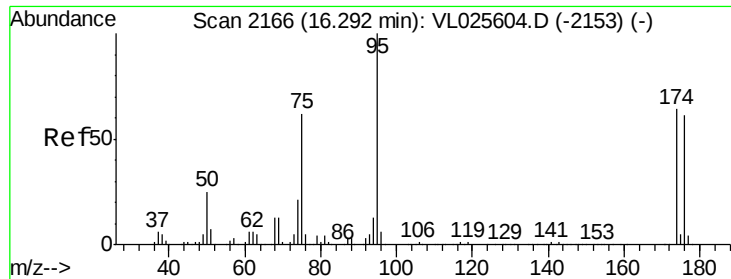


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.07 ppbv

RT: 16.28 min Scan# 2164

Delta R.T. -0.01 min

Lab File: VL025772.D

Acq: 28 Jul 2015 3:40

Instrument :

MSVOA_L

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ERD45-MIDPOINT-072215

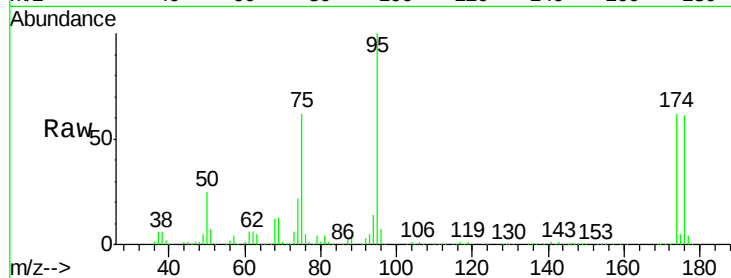
Tgt Ion: 95 Resp: 1910316

Ion Ratio Lower Upper

95 100

174 64.0 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

