

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL070715\
 Data File : VL025621.D
 Acq On : 7 Jul 2015 23:59
 Operator : SY/MD
 Sample : G2872-04DL2 40X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ERD45-INFLUENT-070115DL2

Quant Time: Jul 08 08:12:15 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	854169	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.34	114	2232701	10.00	ppbv	0.01
55) Chlorobenzene-d5	13.75	117	2707681	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.29	95	2228740	9.76	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.60%

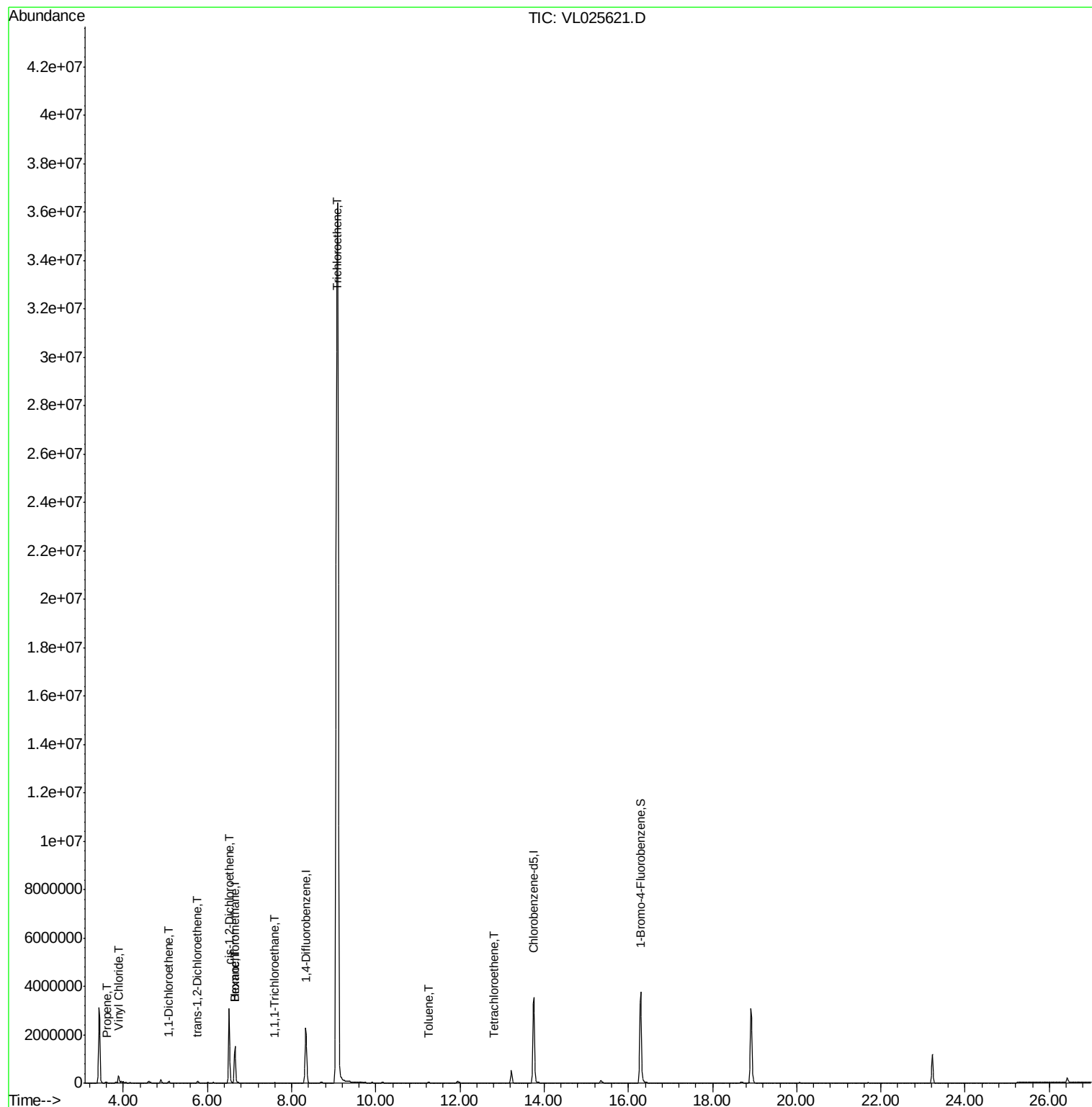
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.89	62	352843	5.95	ppbv	99
9) Propene	3.60	41	13077	0.33	ppbv	89
18) 1,1-Dichloroethene	5.09	96	27220	0.43	ppbv	87
22) trans-1,2-Dichloroethene	5.76	96	29817	0.46	ppbv	85
26) Hexane	6.65	57	14163	0.13	ppbv #	46
31) cis-1,2-Dichloroethene	6.51	61	2125481	19.89	ppbv	99
32) 1,1,1-Trichloroethane	7.60	97	13816	0.06	ppbv #	91
38) Trichloroethene	9.09	130	19967710	200.84	ppbv	89
52) Tetrachloroethene	12.80	164	4483	0.04	ppbv #	64
53) Toluene	11.25	91	31622	0.11	ppbv	95

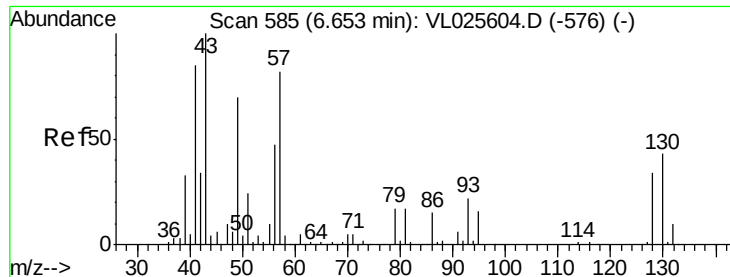
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 08 08:12:15 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: VL025621.D

Acq: 7 Jul 2015 23:59

Instrument :

MSVOA_L

ClientSampleId :

ERD45-INFLUENT-070115DL2

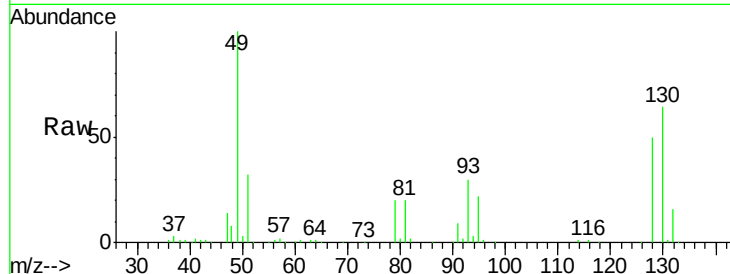
Tot Ion: 49 Resp: 854169

Ion Ratio Lower Upper

49 100

128 50.0 25.4 76.0

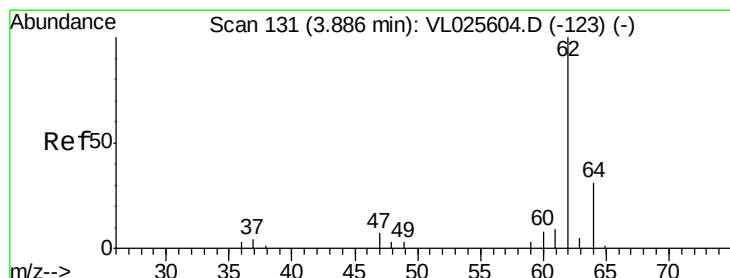
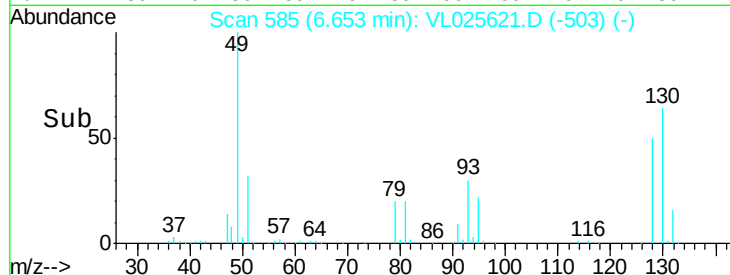
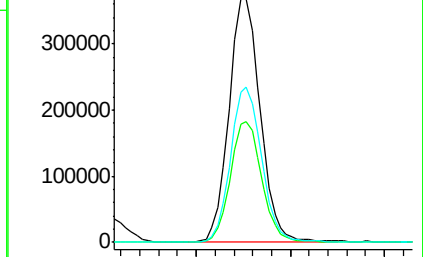
130 63.5 31.9 95.9



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



#5

Vinyl Chloride

Concen: 5.95 ppbv

RT: 3.89 min Scan# 131

Delta R.T. -0.00 min

Lab File: VL025621.D

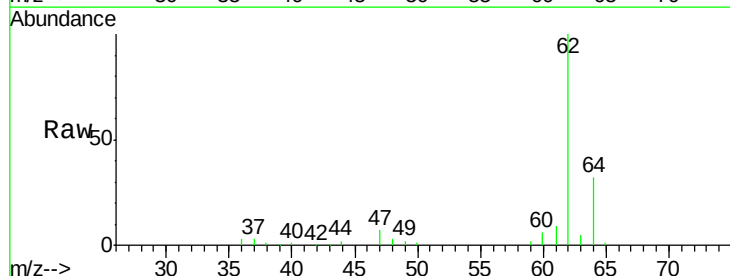
Acq: 7 Jul 2015 23:59

Tgt Ion: 62 Resp: 352843

Ion Ratio Lower Upper

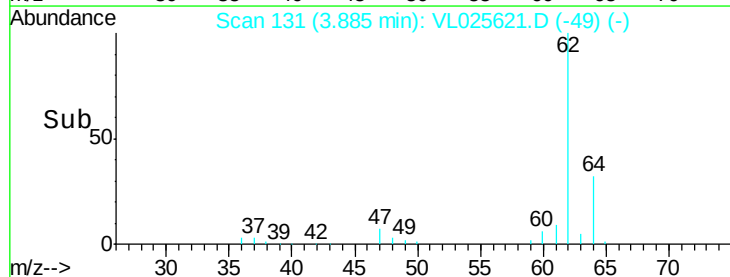
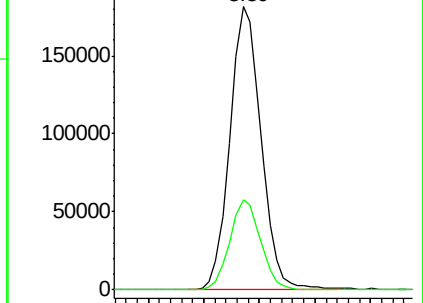
62 100

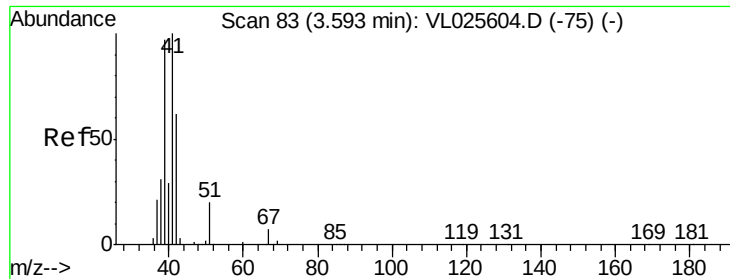
64 31.8 25.0 37.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0





#9

Propene

Concen: 0.33 ppbv

RT: 3.60 min Scan# 84

Delta R.T. 0.01 min

Lab File: VL025621.D

Acq: 7 Jul 2015 23:59

Instrument :

MSVOA_L

ClientSampleId :

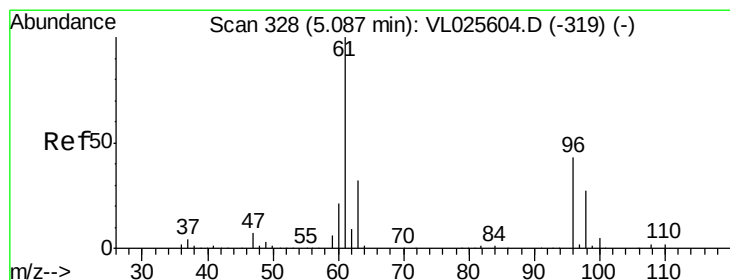
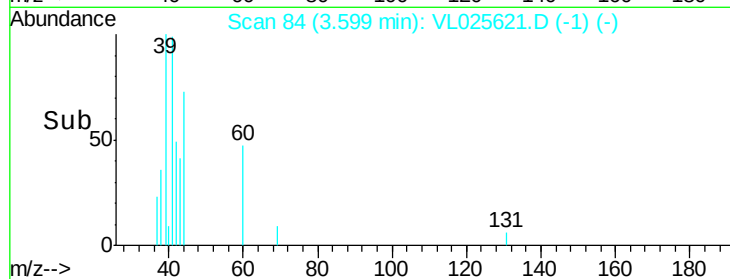
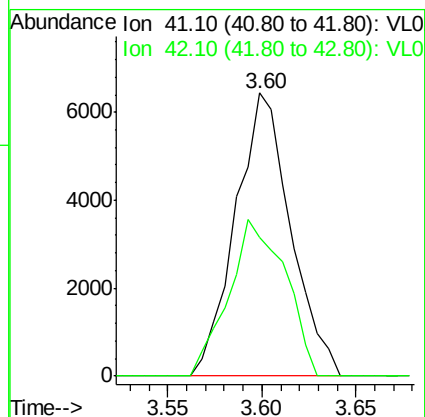
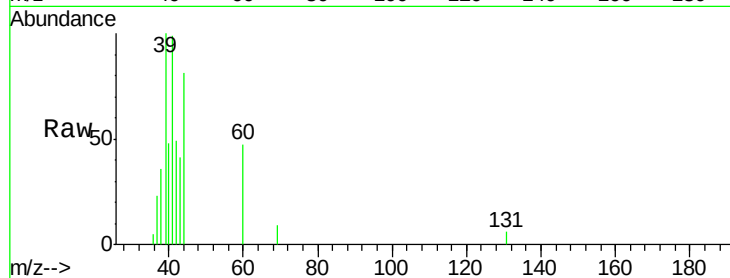
ERD45-INFLUENT-070115DL2

Tot Ion: 41 Resp: 13077

Ion Ratio Lower Upper

41 100

42 56.7 52.4 78.6



#18

1,1-Dichloroethene

Concen: 0.43 ppbv

RT: 5.09 min Scan# 328

Delta R.T. -0.00 min

Lab File: VL025621.D

Acq: 7 Jul 2015 23:59

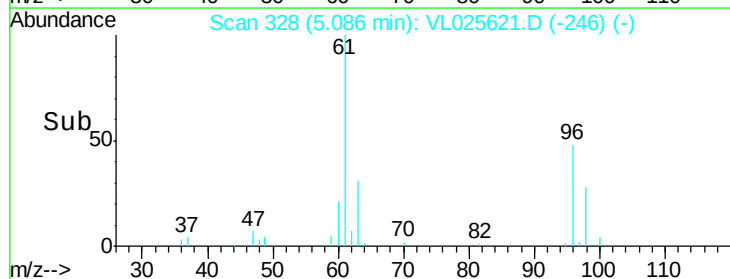
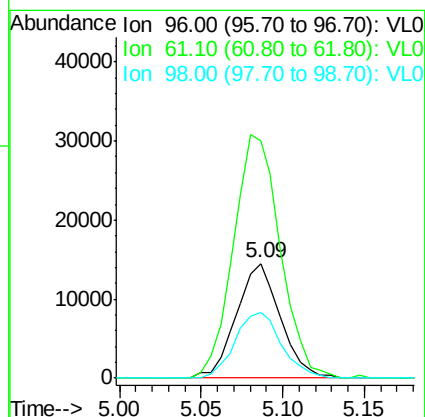
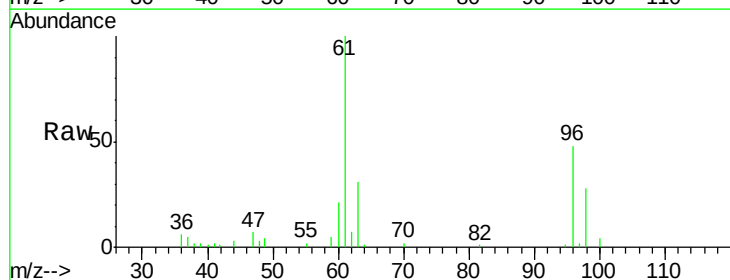
Tgt Ion: 96 Resp: 27220

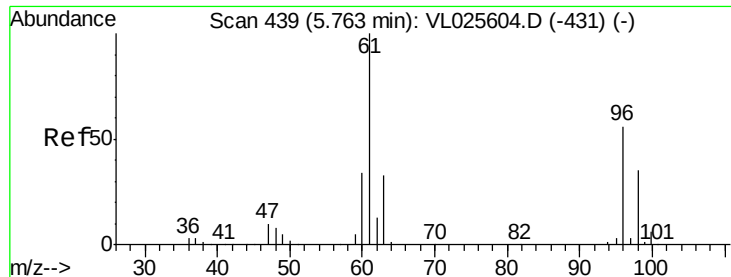
Ion Ratio Lower Upper

96 100

61 206.4 184.1 276.1

98 57.4 50.0 75.0





#22

trans-1,2-Dichloroethene

Concen: 0.46 ppbv

RT: 5.76 min Scan# 439

Delta R.T. -0.00 min

Lab File: VL025621.D

Acq: 7 Jul 2015 23:59

Instrument :

MSVOA_L

ClientSampleId :

ERD45-INFLUENT-070115DL2

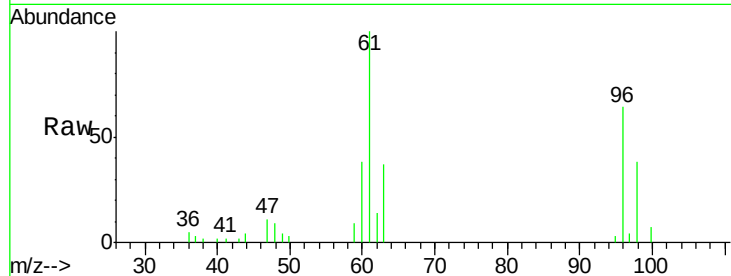
Tot Ion: 96 Resp: 29817

Ion Ratio Lower Upper

96 100

61 152.3 141.8 212.6

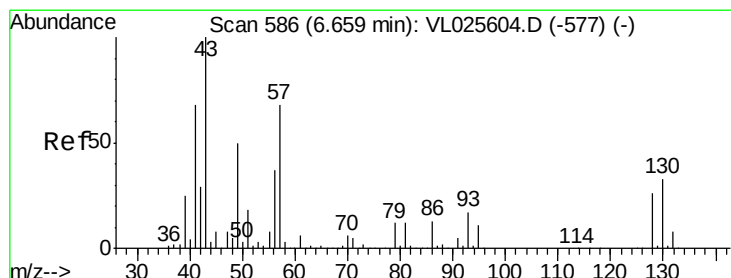
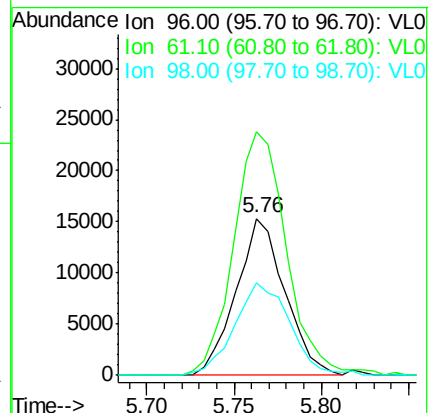
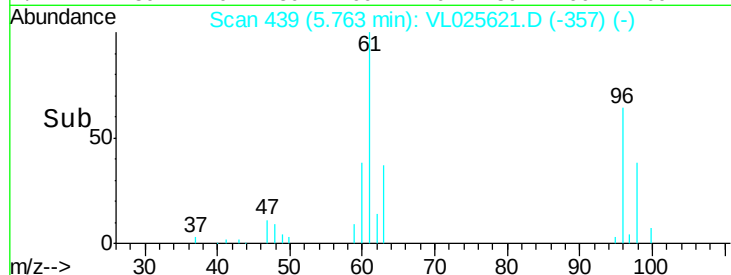
98 57.2 49.0 73.6



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



#26

Hexane

Concen: 0.13 ppbv

RT: 6.65 min Scan# 585

Delta R.T. -0.01 min

Lab File: VL025621.D

Acq: 7 Jul 2015 23:59

Tgt Ion: 57 Resp: 14163

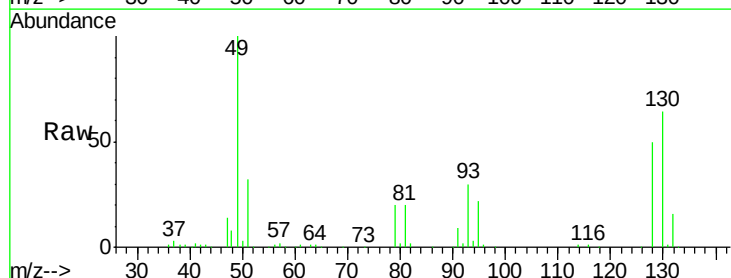
Ion Ratio Lower Upper

57 100

41 108.5 81.4 122.2

43 73.9 171.4 257.2#

56 61.0 44.5 66.7

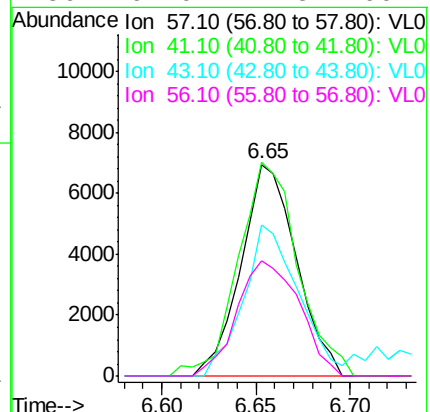
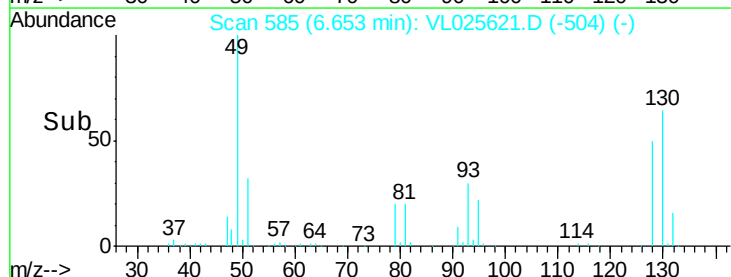


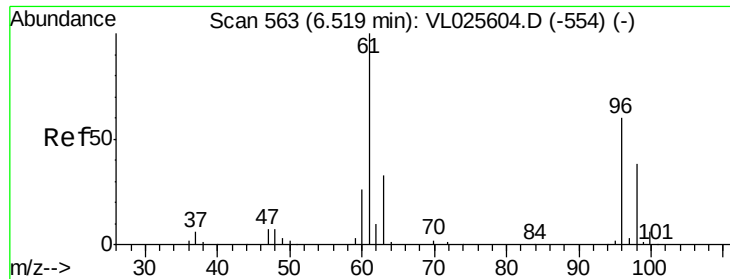
Abundance Ion 57.10 (56.80 to 57.80): VL0

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





#31

cis-1,2-Dichloroethene

Concen: 19.89 ppbv

RT: 6.51 min Scan# 562

Delta R.T. -0.01 min

Lab File: VL025621.D

Acq: 7 Jul 2015 23:59

Instrument :

MSVOA_L

ClientSampleId :

ERD45-INFLUENT-070115DL2

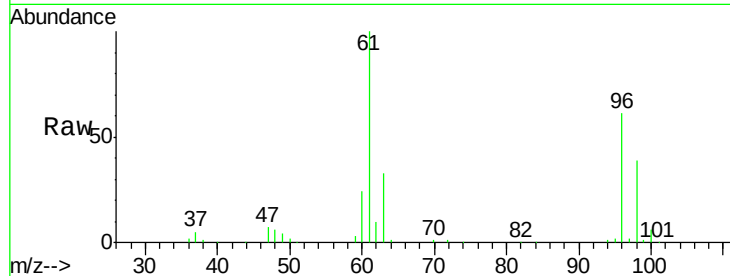
Tot Ion: 61 Resp: 2125481

Ion Ratio Lower Upper

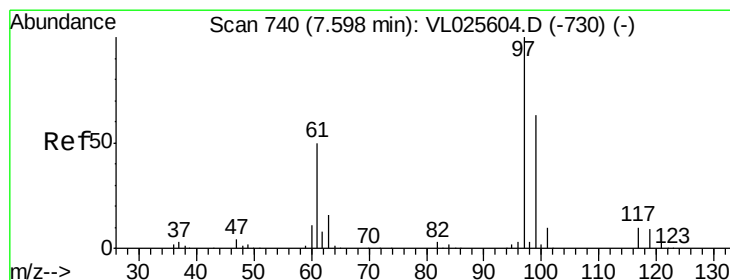
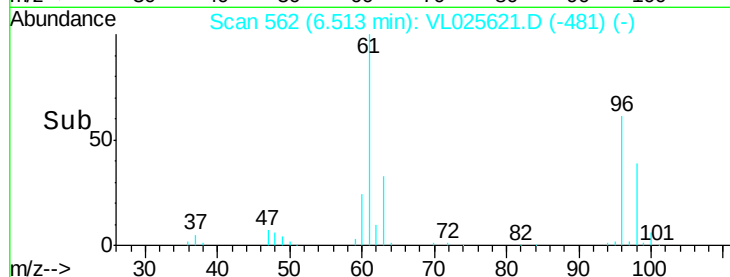
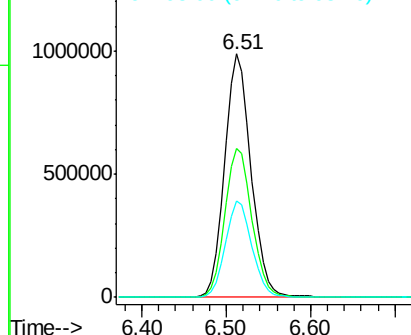
61 100

96 61.0 48.1 72.1

98 39.4 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: 0.06 ppbv

RT: 7.60 min Scan# 740

Delta R.T. -0.00 min

Lab File: VL025621.D

Acq: 7 Jul 2015 23:59

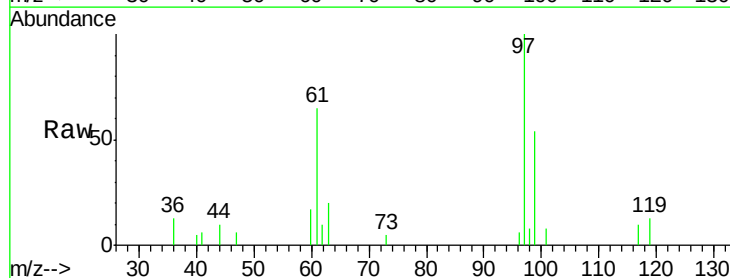
Tgt Ion: 97 Resp: 13816

Ion Ratio Lower Upper

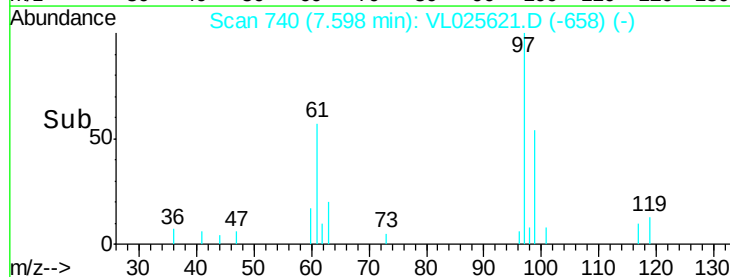
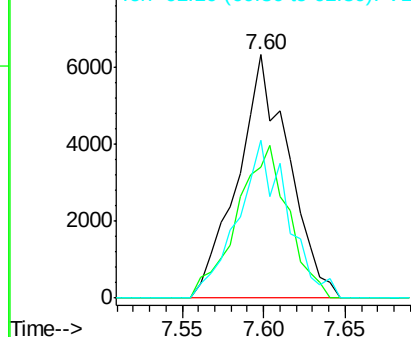
97 100

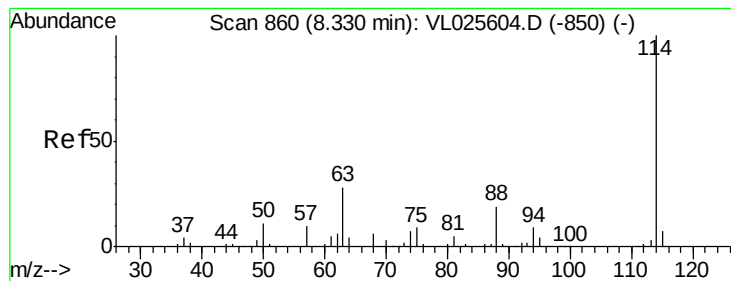
99 62.9 51.2 76.8

61 63.1 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# 862

Delta R.T. 0.01 min

Lab File: VL025621.D

Acq: 7 Jul 2015 23:59

Instrument :

MSVOA_L

ClientSampleId :

ERD45-INFLUENT-070115DL2

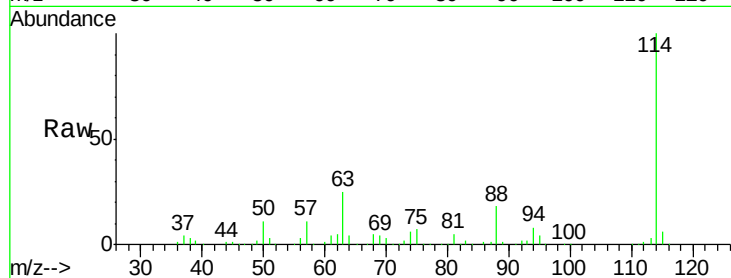
Tot Ion:114 Resp: 2232701

Ion Ratio Lower Upper

114 100

63 26.5 22.4 33.6

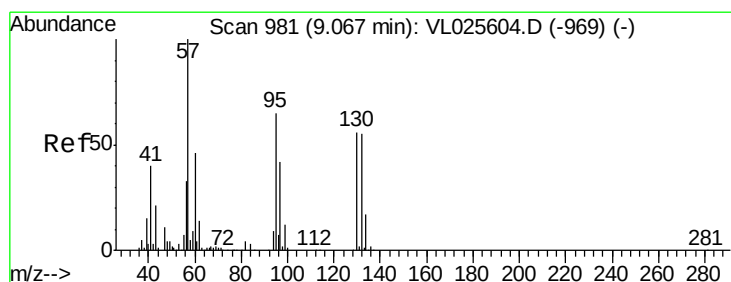
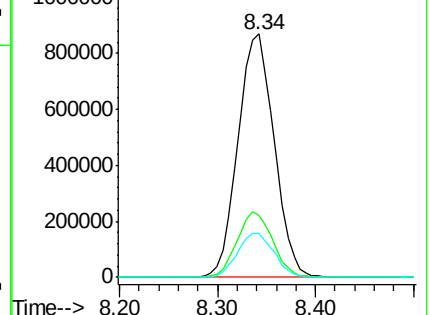
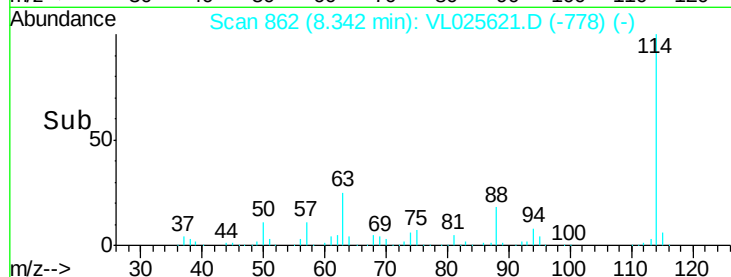
88 18.3 15.0 22.4



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: 200.84 ppbv

RT: 9.09 min Scan# 985

Delta R.T. 0.02 min

Lab File: VL025621.D

Acq: 7 Jul 2015 23:59

Tgt Ion:130 Resp:19967710

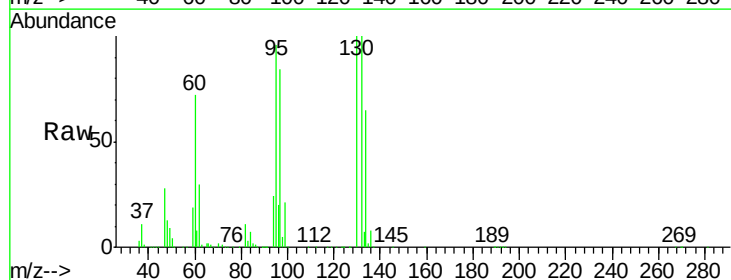
Ion Ratio Lower Upper

130 100

95 95.8 94.2 141.4

132 99.9 78.6 118.0

97 83.6 60.6 90.8

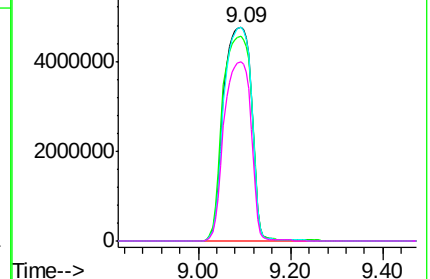
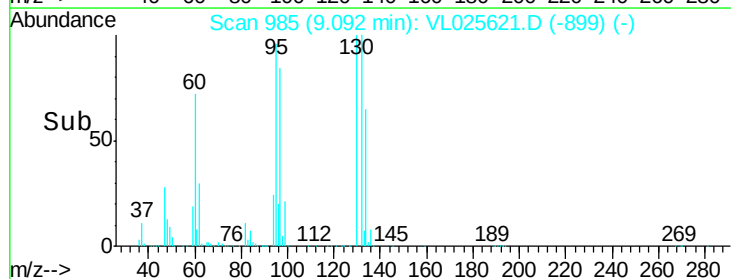


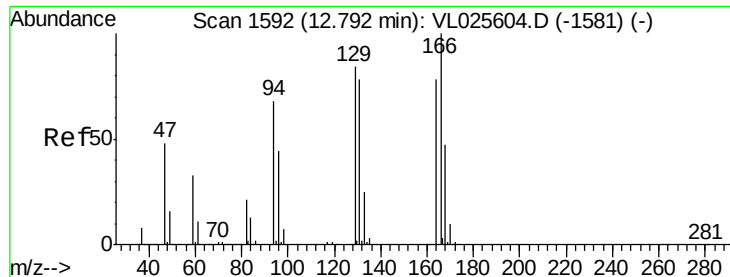
Abundance Ion 130.00 (129.70 to 130.70): V

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: 0.04 ppbv

RT: 12.80 min Scan# 1593

Delta R.T. 0.01 min

Lab File: VL025621.D

Acq: 7 Jul 2015 23:59

Instrument :

MSVOA_L

ClientSampleId :

ERD45-INFLUENT-070115DL2

Tot Ion:164 Resp: 4483

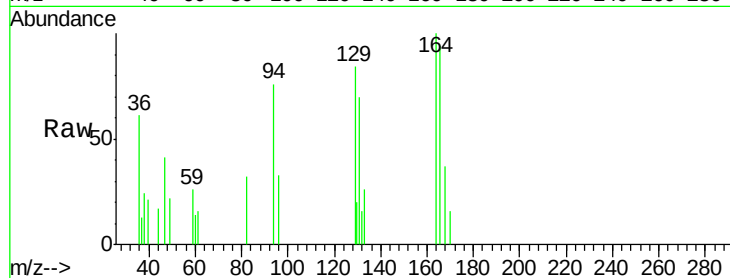
Ion Ratio Lower Upper

164 100

166 94.0 102.3 153.5#

129 70.2 86.2 129.4#

131 54.6 80.3 120.5#

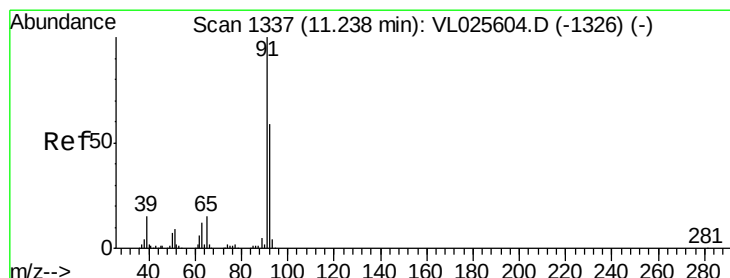
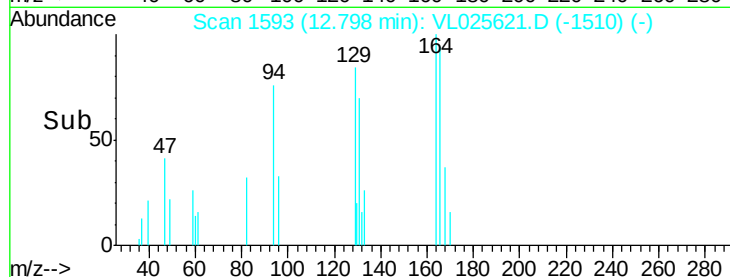
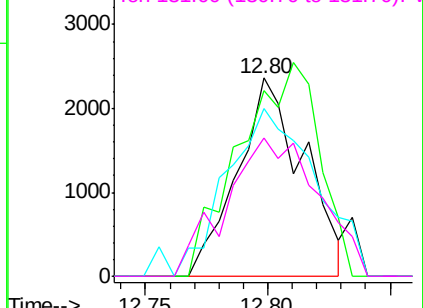


Abundance Ion 163.90 (163.60 to 164.60): V

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



#53

Toluene

Concen: 0.11 ppbv

RT: 11.25 min Scan# 1339

Delta R.T. 0.01 min

Lab File: VL025621.D

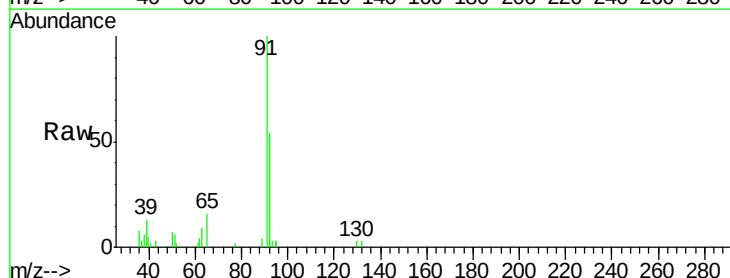
Acq: 7 Jul 2015 23:59

Tgt Ion: 91 Resp: 31622

Ion Ratio Lower Upper

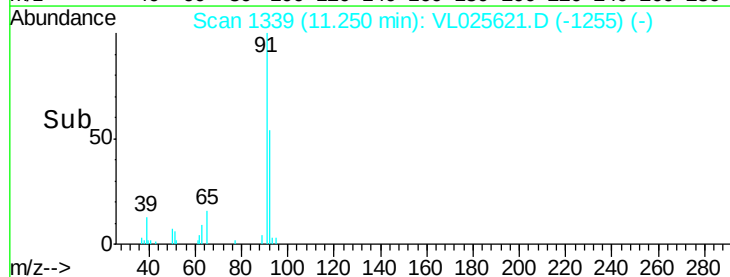
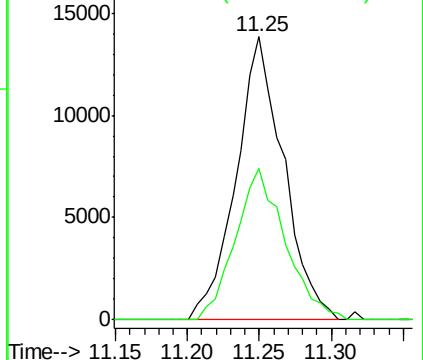
91 100

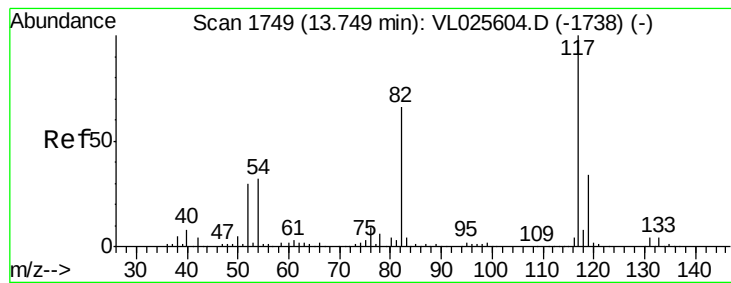
92 56.4 48.2 72.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 13.75 min Scan# 1749

Delta R.T. -0.00 min

Lab File: VL025621.D

Acq: 7 Jul 2015 23:59

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ERD45-INFLUENT-070115DL2

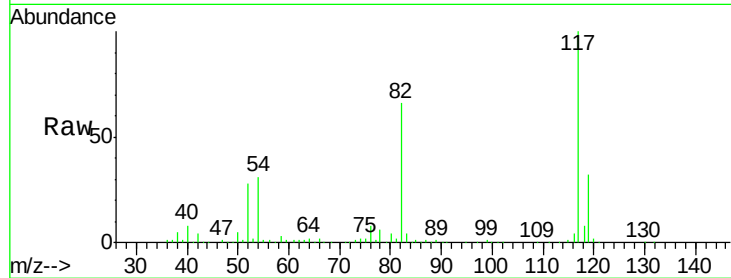
Tot Ion:117 Resp: 2707681

Ion Ratio Lower Upper

117 100

82 65.4 50.5 75.7

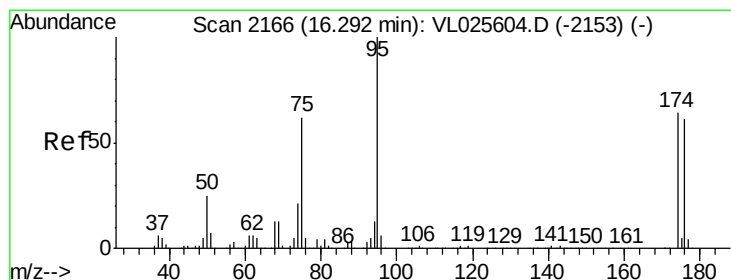
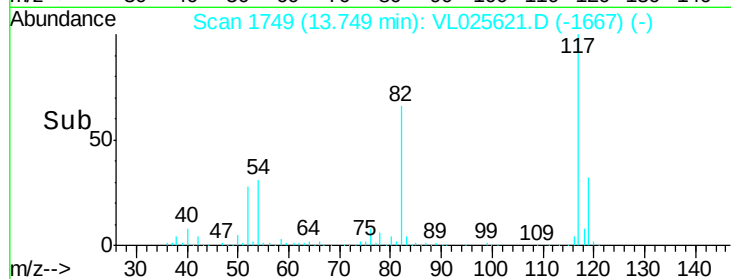
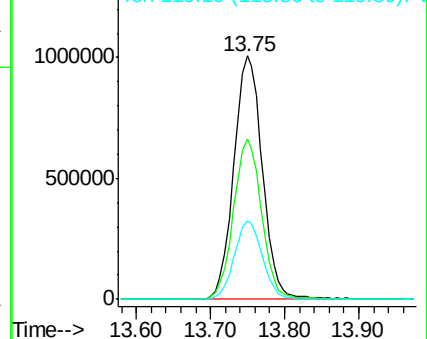
119 32.2 45.1 67.7#



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: 9.76 ppbv

RT: 16.29 min Scan# 2165

Delta R.T. -0.01 min

Lab File: VL025621.D

Acq: 7 Jul 2015 23:59

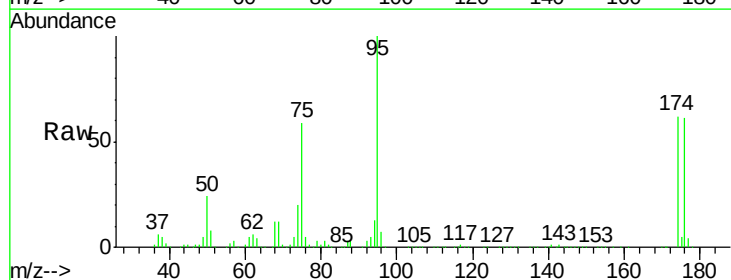
Tgt Ion: 95 Resp: 2228740

Ion Ratio Lower Upper

95 100

174 65.2 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

