

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL100915\
 Data File : VL026176.D
 Acq On : 9 Oct 2015 13:35
 Operator : SY/MD
 Sample : VSTDIC0.1
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Quant Time: Oct 09 14:35:29 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL100915AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Oct 09 14:20:41 2015
 QLast Update : Fri Oct 09 14:20:41 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.67	49	934367	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.34	114	2446465	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.76	117	2821933	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.30	95	2211626	10.62	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.20%

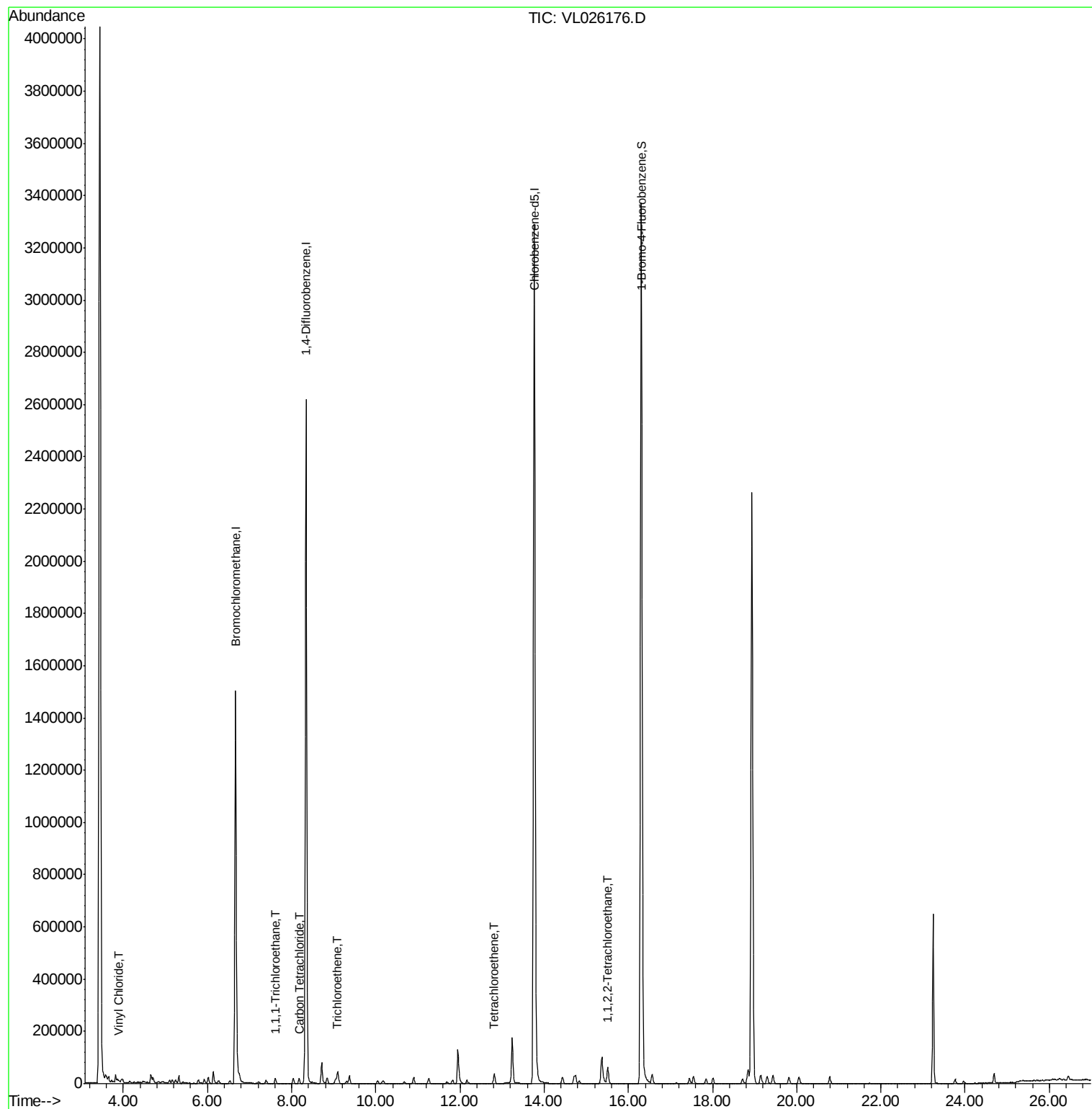
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.90	62	5987	0.09	ppbv	98
32) 1,1,1-Trichloroethane	7.61	97	14558	0.09	ppbv	99
35) Carbon Tetrachloride	8.18	117	14154	0.09	ppbv	97
38) Trichloroethene	9.07	130	11130	0.10	ppbv	94
52) Tetrachloroethene	12.81	164	11745	0.10	ppbv	93
63) 1,1,2,2-Tetrachloroethane	15.51	83	25591	0.09	ppbv	99

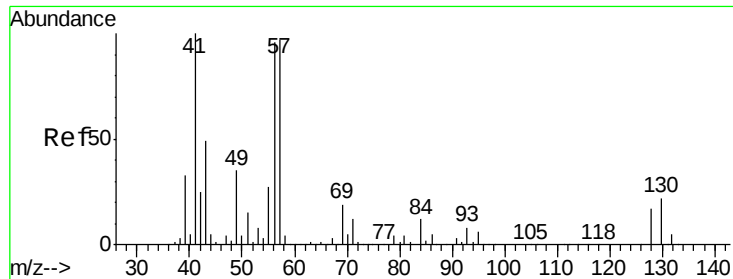
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL100915\
Data File : VL026176.D
Acq On : 9 Oct 2015 13:35
Operator : SY/MD
Sample : VSTDIC0.1
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Quant Time: Oct 09 14:35:29 2015
Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL100915AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Oct 09 14:20:41 2015
QLast Update : Fri Oct 09 14:20:41 2015
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.67 min Scan# 587

Delta R.T. 0.01 min

Lab File: VL026176.D

Acq: 9 Oct 2015 13:35

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

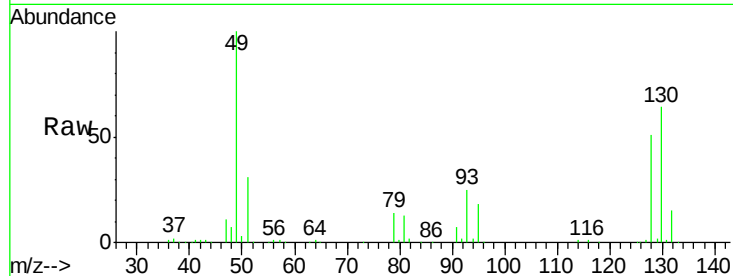
Tot Ion: 49 Resp: 934367

Ion Ratio Lower Upper

49 100

128 52.1 26.3 78.8

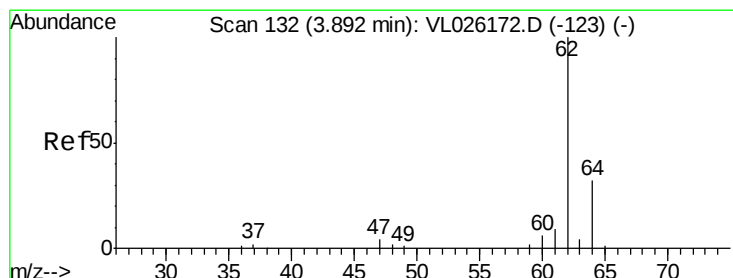
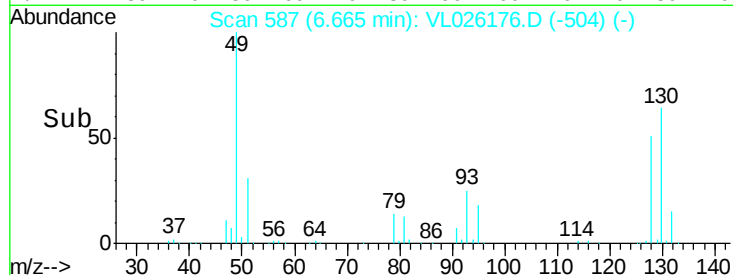
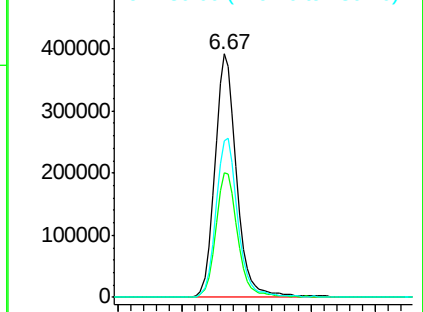
130 66.8 34.2 102.5



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#5

Vinyl Chloride

Concen: 0.09 ppbv

RT: 3.90 min Scan# 133

Delta R.T. 0.01 min

Lab File: VL026176.D

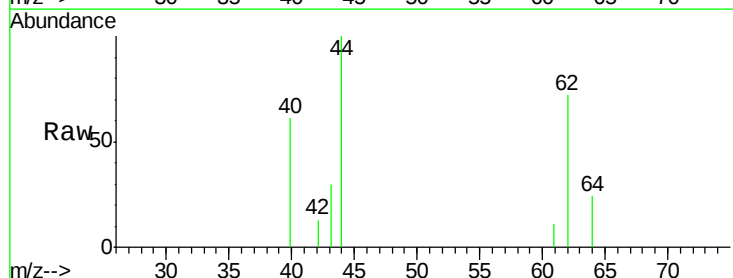
Acq: 9 Oct 2015 13:35

Tgt Ion: 62 Resp: 5987

Ion Ratio Lower Upper

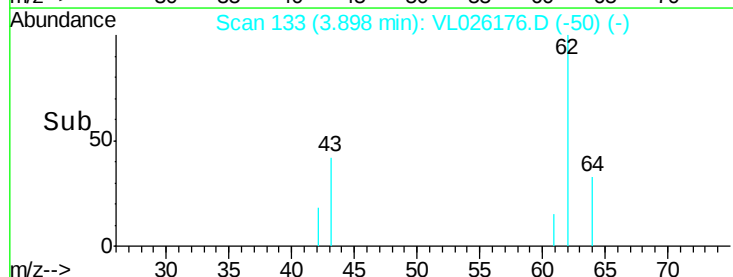
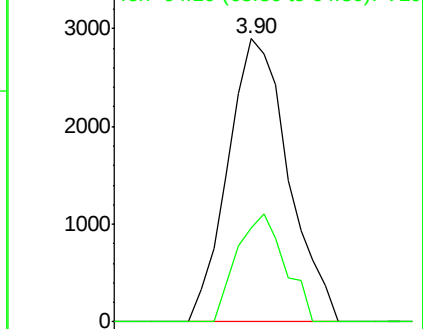
62 100

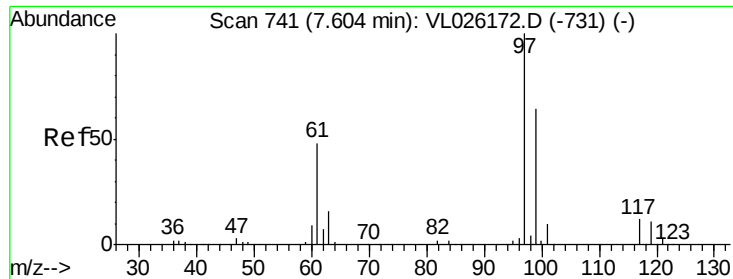
64 33.3 25.6 38.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0





#32

1,1,1-Trichloroethane

Concen: 0.09 ppbv

RT: 7.61 min Scan# 742

Delta R.T. 0.01 min

Lab File: VL026176.D

Acq: 9 Oct 2015 13:35

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

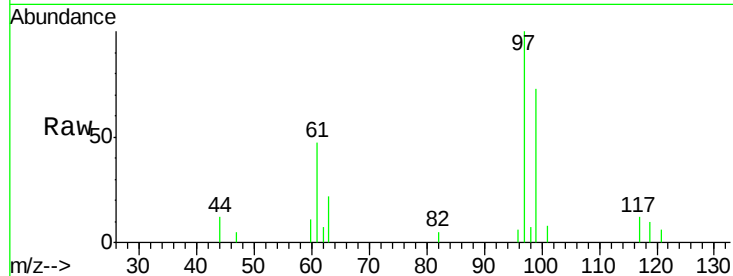
Tot Ion: 97 Resp: 14558

Ion Ratio Lower Upper

97 100

99 64.1 51.3 76.9

61 47.4 38.7 58.1

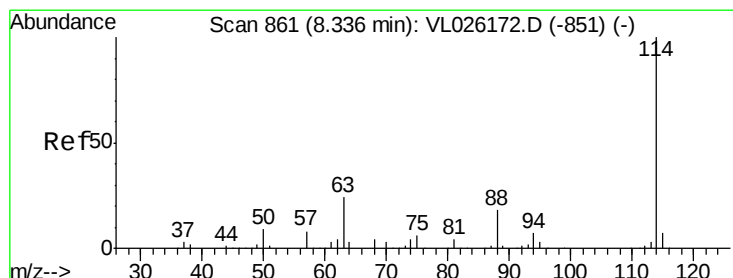
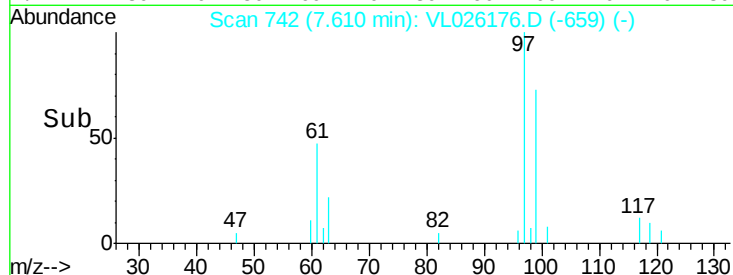
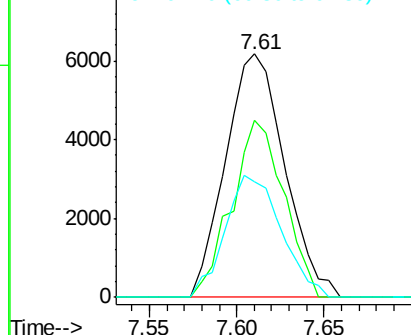


Abundance

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: VL026176.D

Acq: 9 Oct 2015 13:35

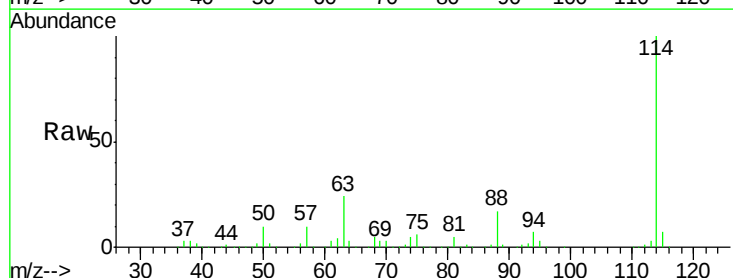
Tgt Ion: 114 Resp: 2446465

Ion Ratio Lower Upper

114 100

63 23.8 19.0 28.6

88 17.2 13.8 20.8

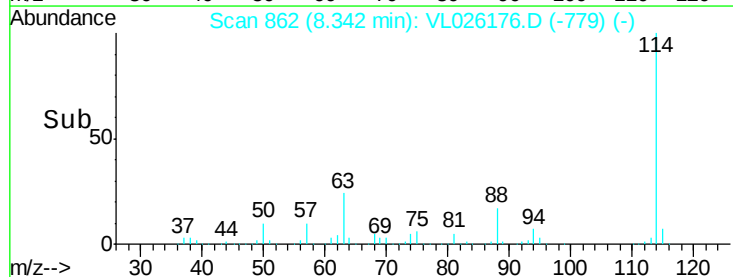
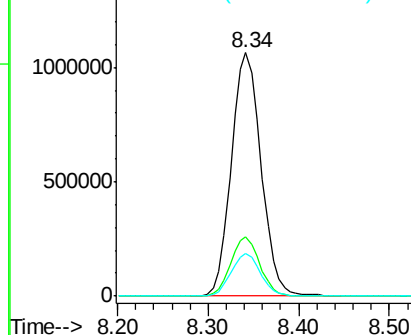


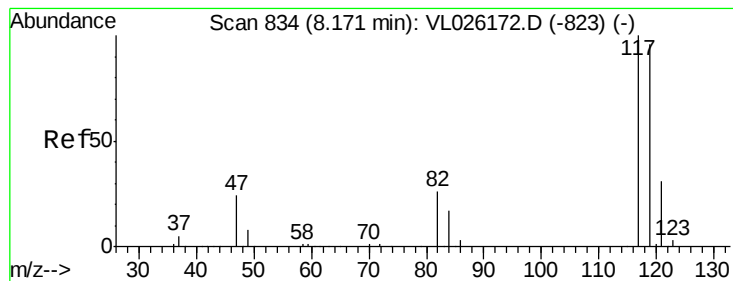
Abundance

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





#35

Carbon Tetrachloride

Concen: 0.09 ppbv

RT: 8.18 min Scan# 836

Delta R.T. 0.01 min

Lab File: VL026176.D

Acq: 9 Oct 2015 13:35

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

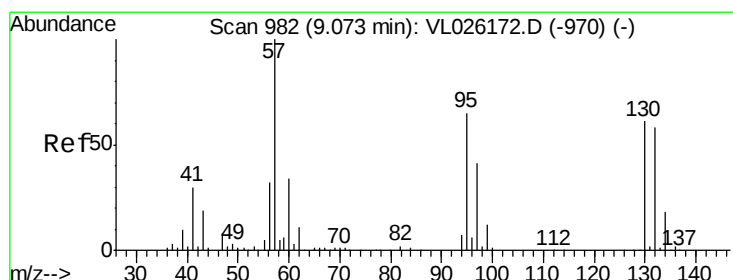
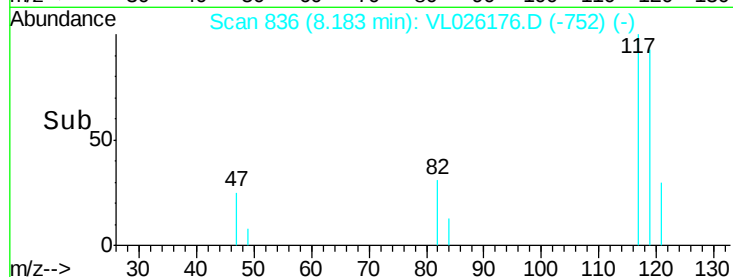
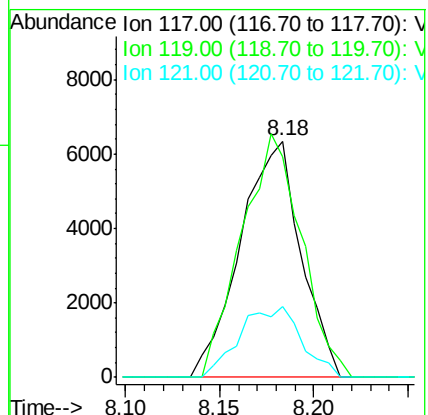
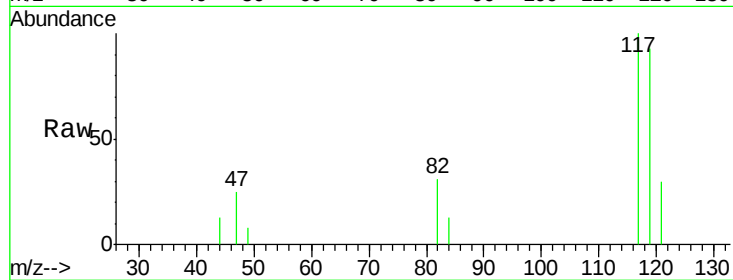
Tot Ion:117 Resp: 14154

Ion Ratio Lower Upper

117 100

119 93.1 76.6 115.0

121 30.0 25.0 37.4



#38

Trichloroethene

Concen: 0.10 ppbv

RT: 9.07 min Scan# 982

Delta R.T. -0.00 min

Lab File: VL026176.D

Acq: 9 Oct 2015 13:35

Tgt Ion:130 Resp: 11130

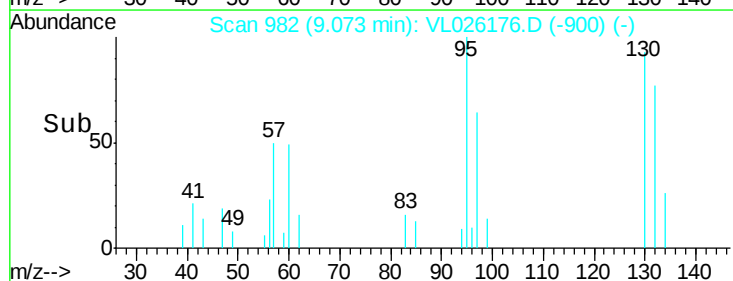
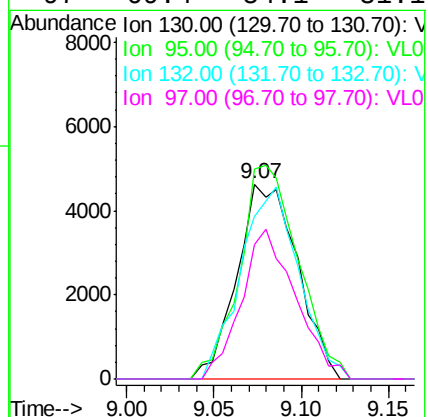
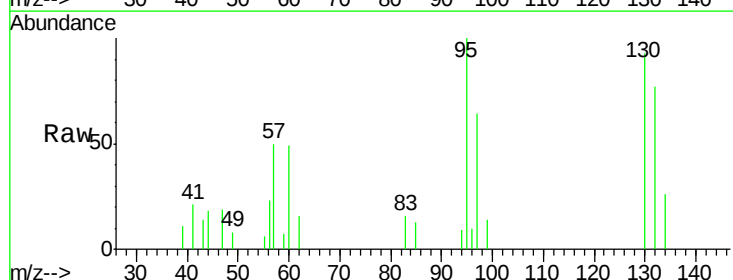
Ion Ratio Lower Upper

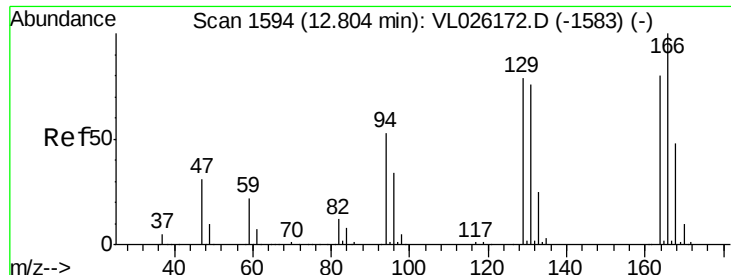
130 100

95 108.0 84.9 127.3

132 83.2 76.8 115.2

97 69.4 54.1 81.1





#52

Tetrachloroethene

Concen: 0.10 ppbv

RT: 12.81 min Scan# 1595

Delta R.T. 0.01 min

Lab File: VL026176.D

Acq: 9 Oct 2015 13:35

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tot Ion:164 Resp: 11745

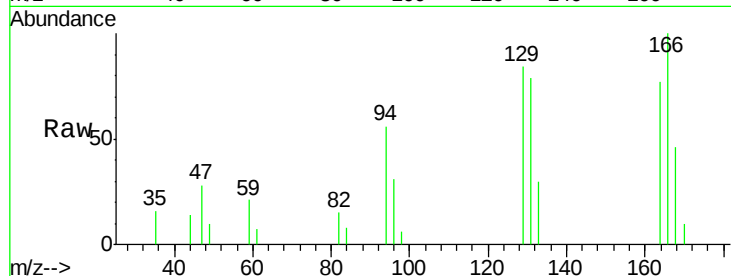
Ion Ratio Lower Upper

164 100

166 129.2 99.9 149.9

129 108.8 79.1 118.7

131 101.8 76.3 114.5

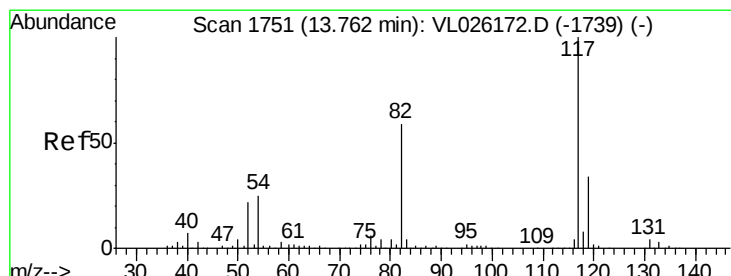
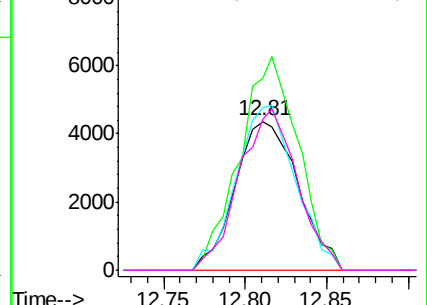
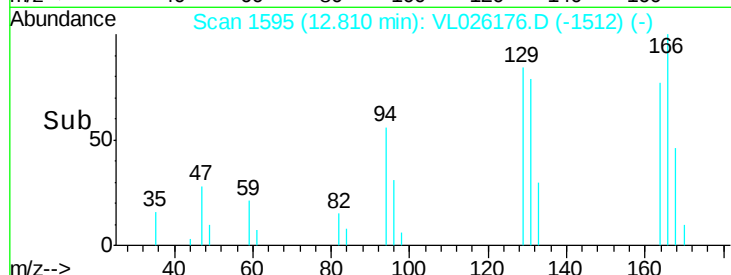


Abundance Ion 163.90 (163.60 to 164.60): V

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: 13.76 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VL026176.D

Acq: 9 Oct 2015 13:35

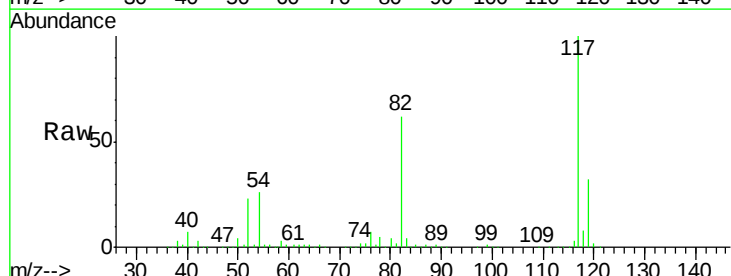
Tgt Ion:117 Resp: 2821933

Ion Ratio Lower Upper

117 100

82 61.9 47.7 71.5

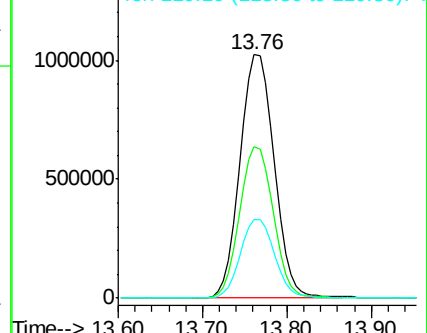
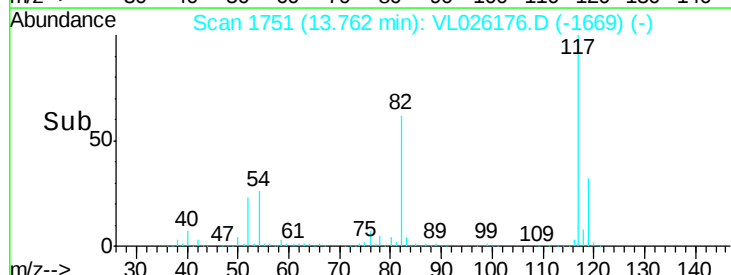
119 32.6 43.7 65.5#

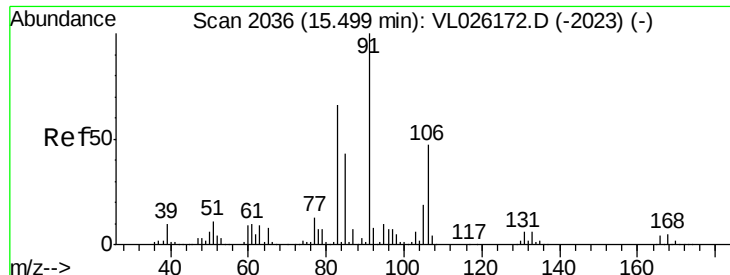


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V

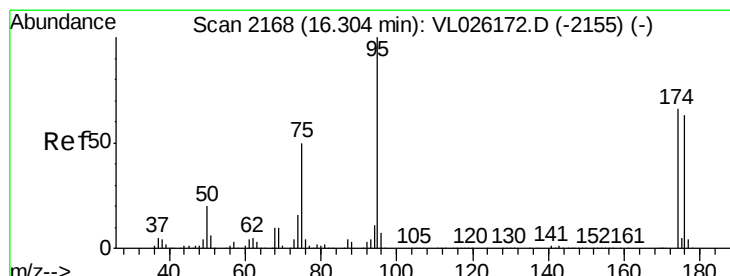
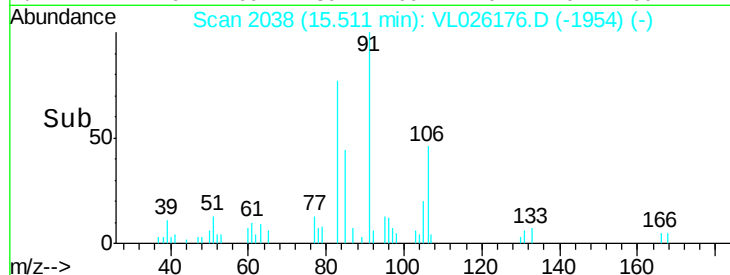
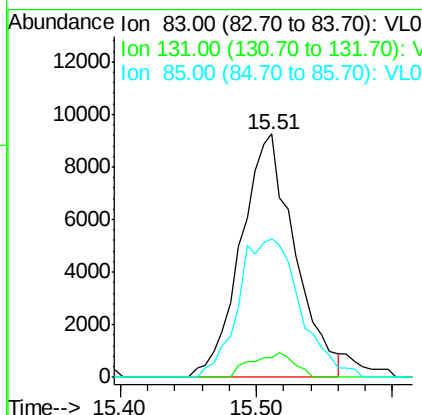
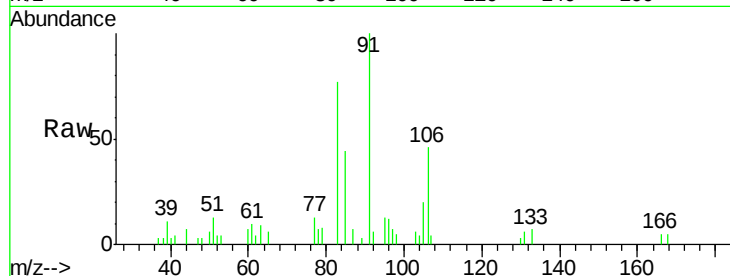




#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.09 ppbv
 RT: 15.51 min Scan# 2038
 Delta R.T. 0.01 min
 Lab File: VL026176.D
 Acq: 9 Oct 2015 13:35

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Tot Ion: 83 Resp: 25591
 Ion Ratio Lower Upper
 83 100
 131 7.9 4.5 13.7
 85 65.0 32.6 97.7



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.62 ppbv
 RT: 16.30 min Scan# 2168
 Delta R.T. -0.00 min
 Lab File: VL026176.D
 Acq: 9 Oct 2015 13:35

Tgt Ion: 95 Resp: 2211626
 Ion Ratio Lower Upper
 95 100
 174 64.5 52.2 78.4
 175 4.7 3.9 5.9

