

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL102915\
 Data File : VL026264.D
 Acq On : 29 Oct 2015 11:57
 Operator : SY/AP
 Sample : VSTDIC0.1
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Quant Time: Oct 29 13:56:22 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102915AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 29 12:22:38 2015
 QLast Update : Thu Oct 29 12:22:38 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.69	49	582577	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.37	114	1607167	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.79	117	1863017	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.33	95	1435312	10.07	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.70%

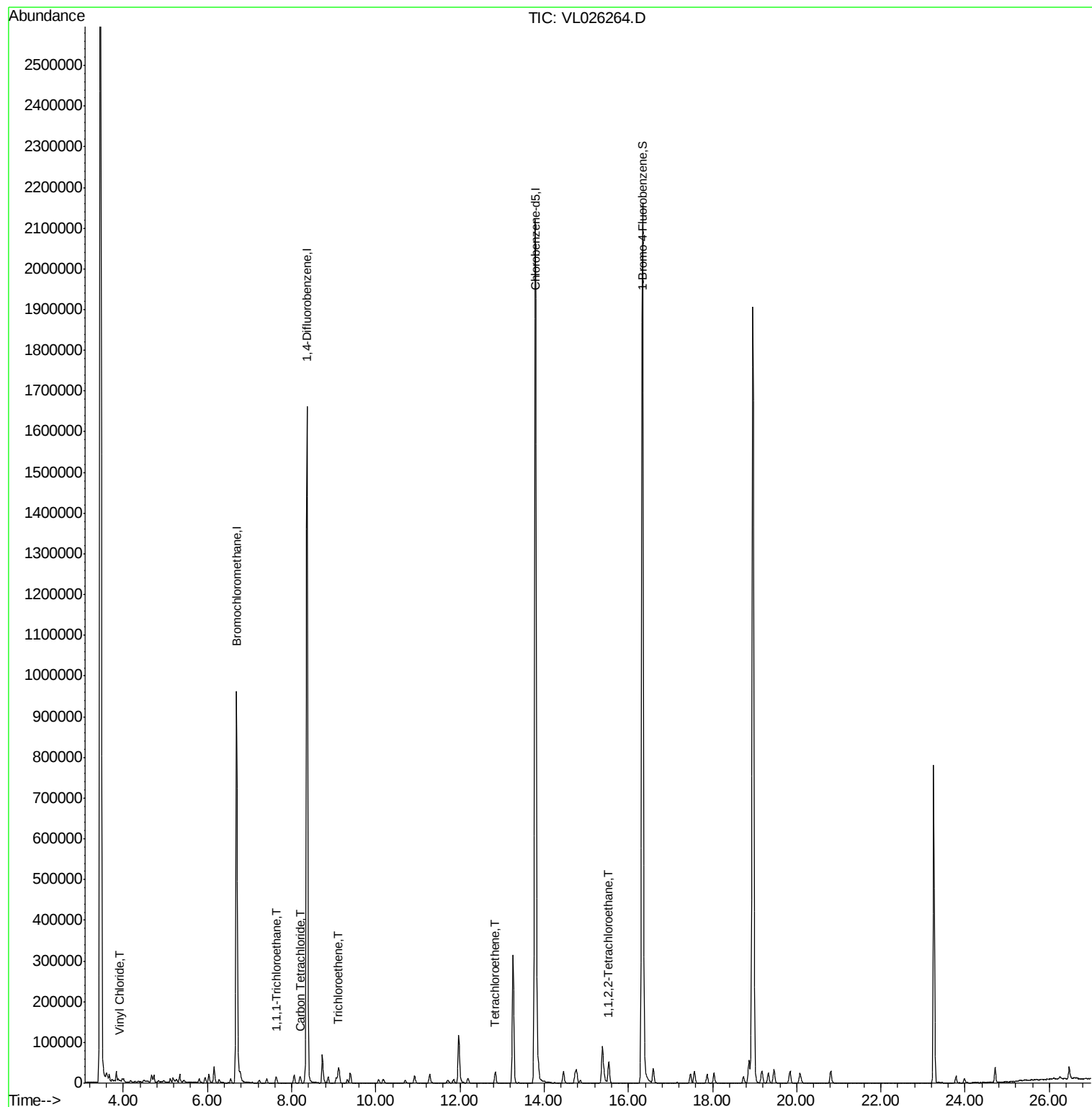
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.92	62	4849	0.11	ppbv	100
32) 1,1,1-Trichloroethane	7.63	97	13140	0.11	ppbv	99
35) Carbon Tetrachloride	8.20	117	12098	0.10	ppbv	96
38) Trichloroethene	9.10	130	8912	0.11	ppbv	94
52) Tetrachloroethene	12.84	164	9463	0.10	ppbv	94
63) 1,1,2,2-Tetrachloroethane	15.53	83	21908	0.13	ppbv	96

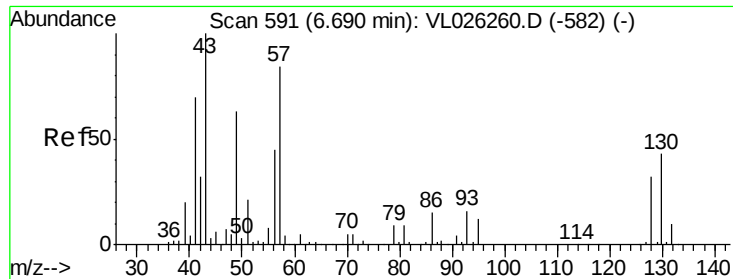
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL102915\
Data File : VL026264.D
Acq On : 29 Oct 2015 11:57
Operator : SY/AP
Sample : VSTDICC0.1
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Quant Time: Oct 29 13:56:22 2015
Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102915AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 29 12:22:38 2015
QLast Update : Thu Oct 29 12:22:38 2015
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.69 min Scan# 591

Delta R.T. 0.00 min

Lab File: VL026264.D

Acq: 29 Oct 2015 11:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

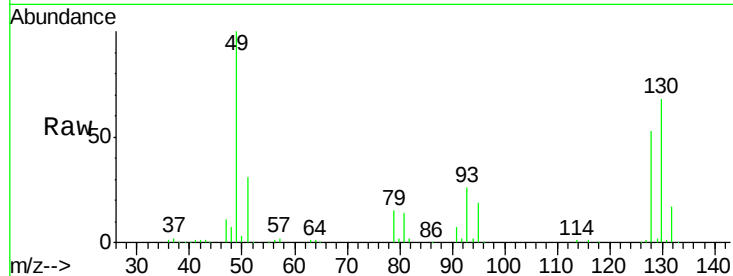
Tot Ion: 49 Resp: 582577

Ion Ratio Lower Upper

49 100

128 54.0 26.7 80.1

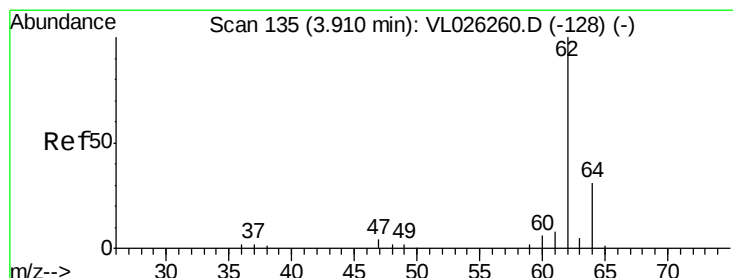
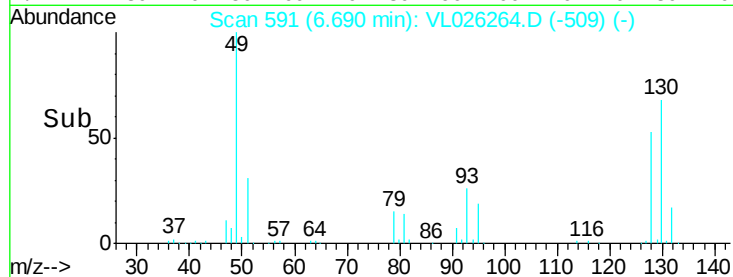
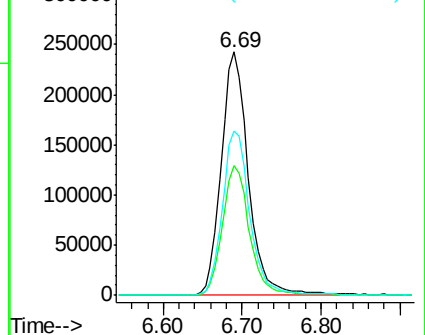
130 69.2 34.4 103.2



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: 0.11 ppbv

RT: 3.92 min Scan# 137

Delta R.T. 0.01 min

Lab File: VL026264.D

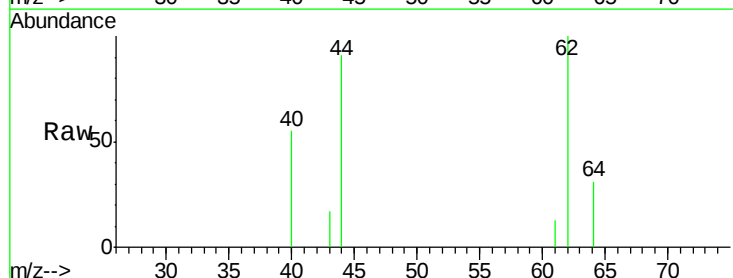
Acq: 29 Oct 2015 11:57

Tgt Ion: 62 Resp: 4849

Ion Ratio Lower Upper

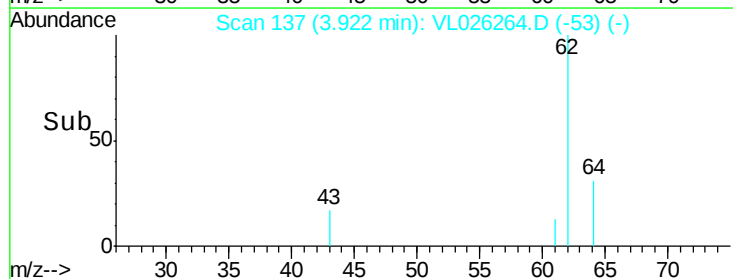
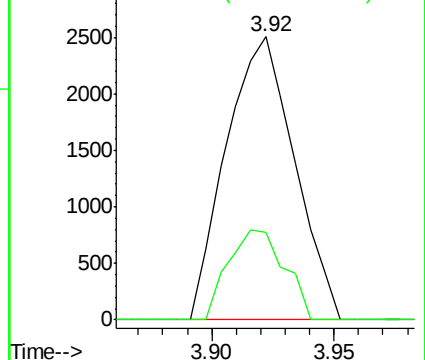
62 100

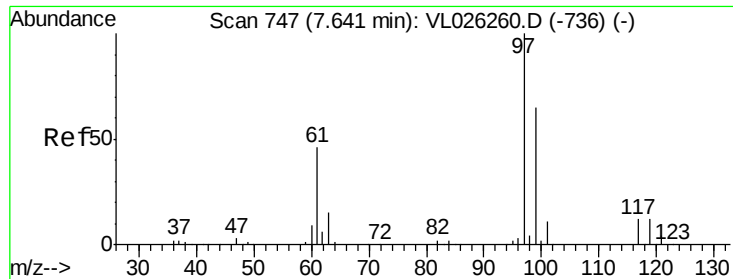
64 30.9 24.9 37.3



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: 0.11 ppbv

RT: 7.63 min Scan# 746

Delta R.T. -0.01 min

Lab File: VL026264.D

Acq: 29 Oct 2015 11:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

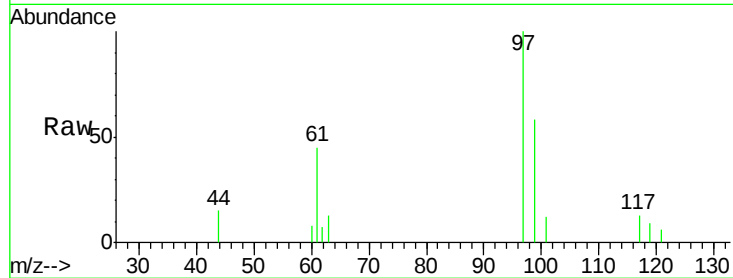
Tot Ion: 97 Resp: 13140

Ion Ratio Lower Upper

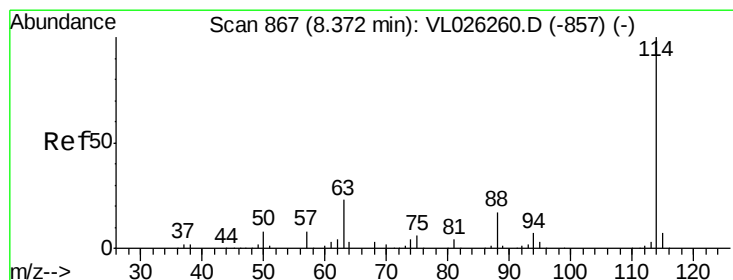
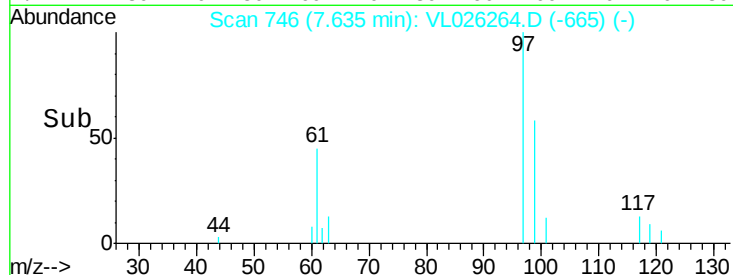
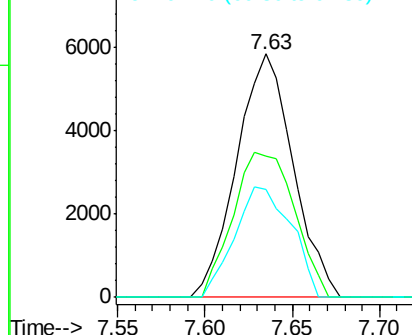
97 100

99 64.6 51.0 76.6

61 45.3 37.1 55.7



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: 8.37 min Scan# 866

Delta R.T. -0.01 min

Lab File: VL026264.D

Acq: 29 Oct 2015 11:57

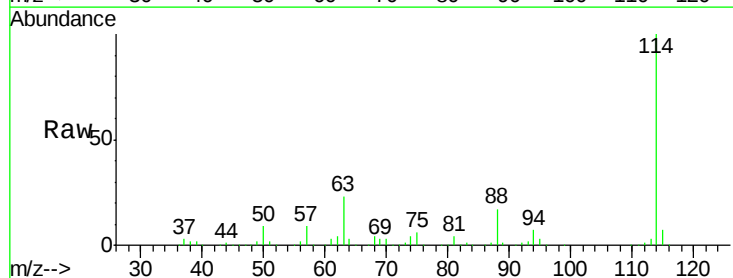
Tgt Ion: 114 Resp: 1607167

Ion Ratio Lower Upper

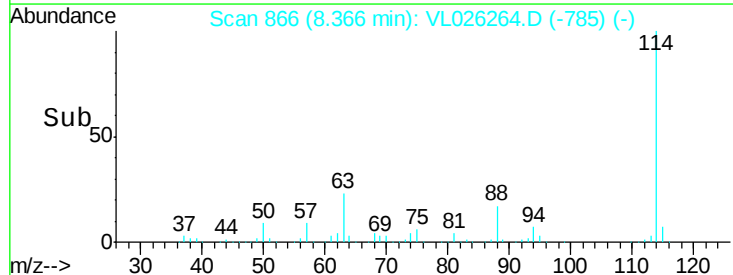
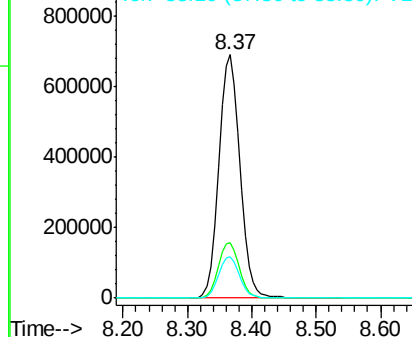
114 100

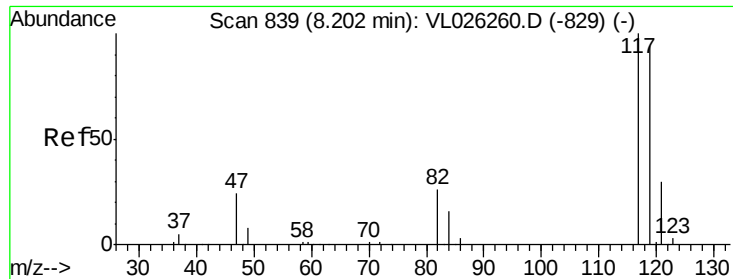
63 22.9 18.6 28.0

88 16.9 13.4 20.2



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: 0.10 ppbv

RT: 8.20 min Scan# 838

Delta R.T. -0.01 min

Lab File: VL026264.D

Acq: 29 Oct 2015 11:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

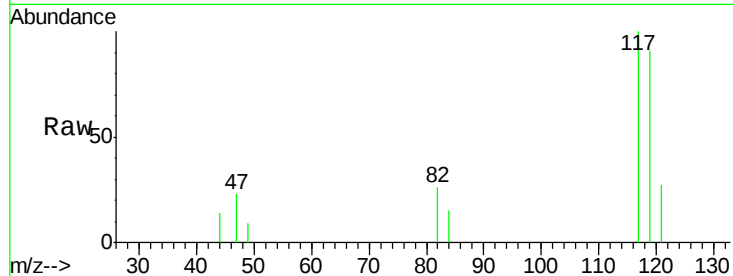
Tot Ion:117 Resp: 12098

Ion Ratio Lower Upper

117 100

119 91.4 75.2 112.8

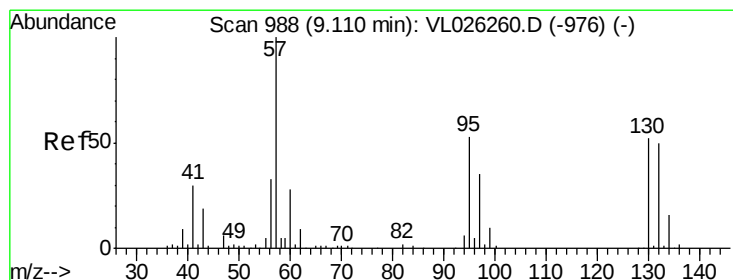
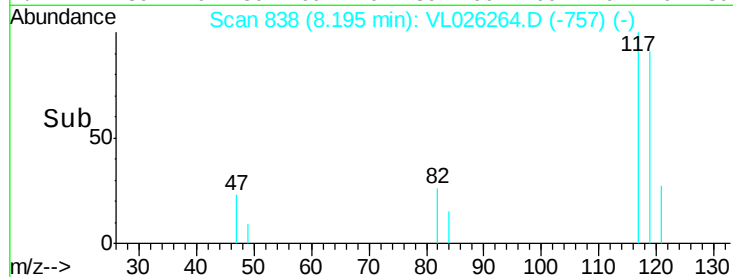
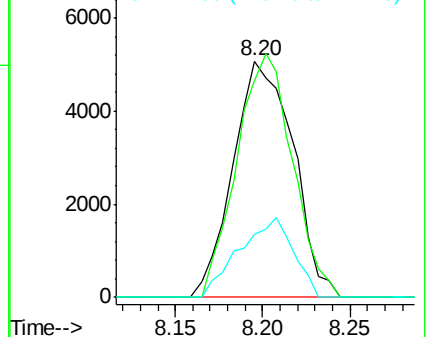
121 26.8 24.2 36.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#38

Trichloroethene

Concen: 0.11 ppbv

RT: 9.10 min Scan# 987

Delta R.T. -0.01 min

Lab File: VL026264.D

Acq: 29 Oct 2015 11:57

Tgt Ion:130 Resp: 8912

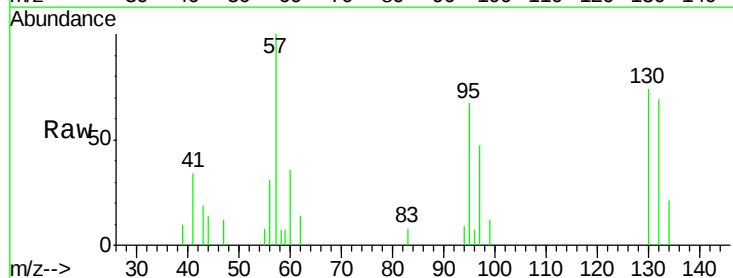
Ion Ratio Lower Upper

130 100

95 90.8 80.8 121.2

132 92.8 76.2 114.2

97 63.3 53.0 79.6

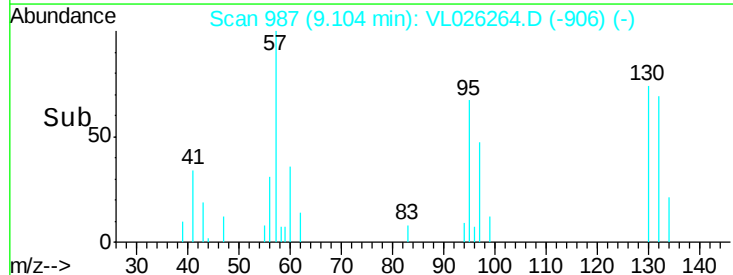
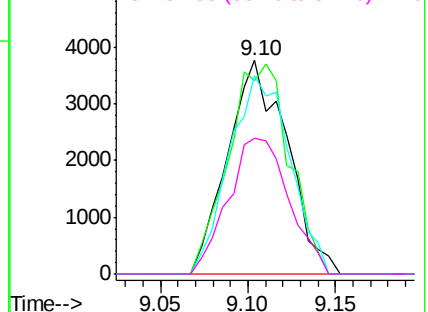


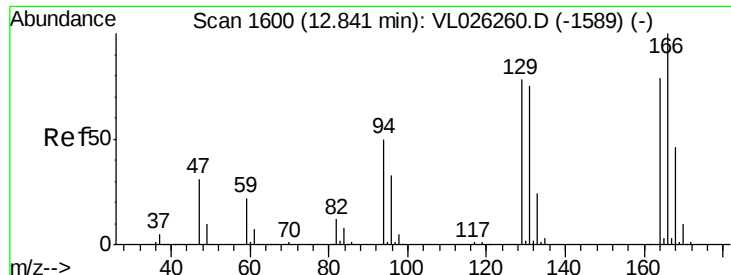
Abundance Ion 130.00 (129.70 to 130.70): V

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: 12.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VL026264.D

Acq: 29 Oct 2015 11:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tot Ion:164 Resp: 9463

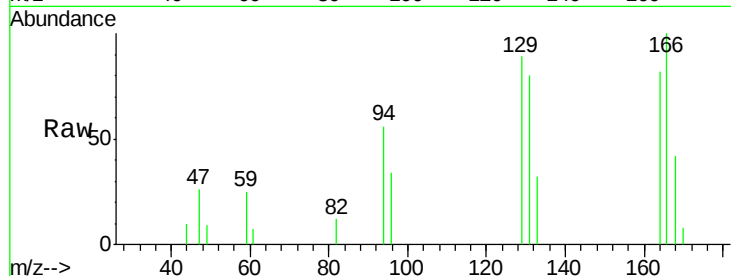
Ion Ratio Lower Upper

164 100

166 121.3 101.4 152.0

129 108.3 78.8 118.2

131 96.8 75.6 113.4

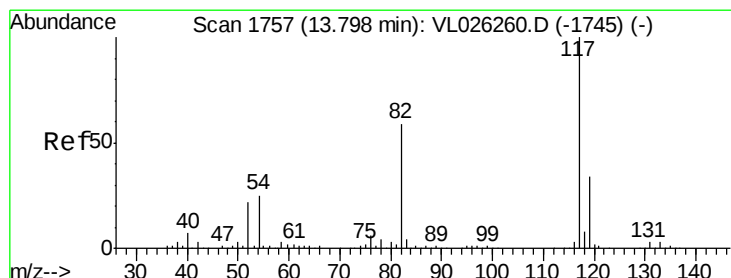
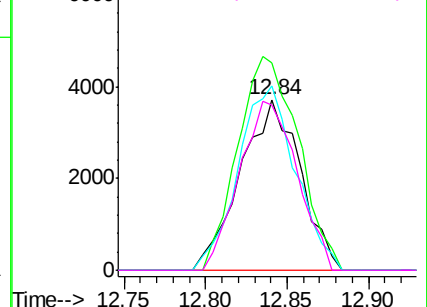
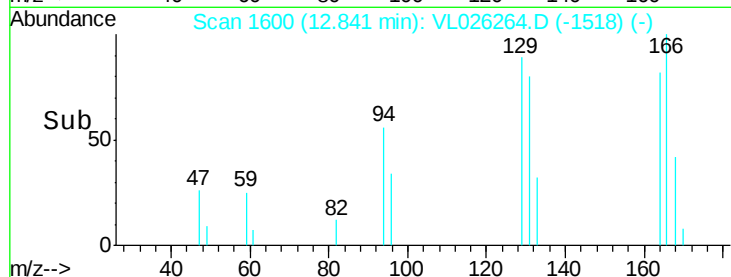


Abundance Ion 163.90 (163.60 to 164.60): V

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: 13.79 min Scan# 1755

Delta R.T. -0.01 min

Lab File: VL026264.D

Acq: 29 Oct 2015 11:57

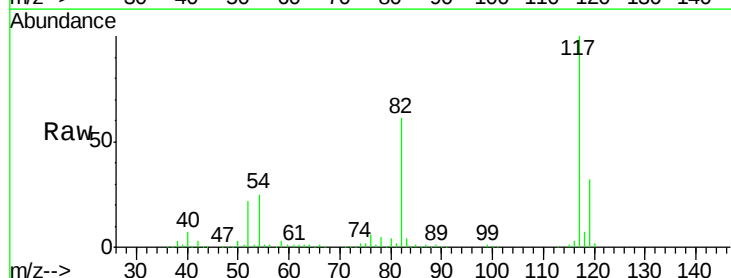
Tgt Ion:117 Resp: 1863017

Ion Ratio Lower Upper

117 100

82 61.1 48.2 72.4

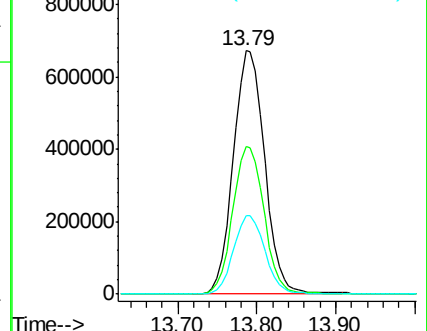
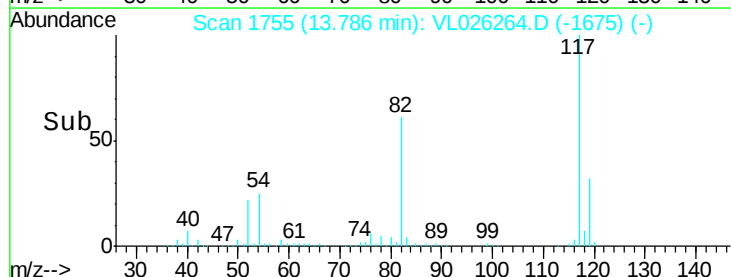
119 32.8 46.2 69.2#

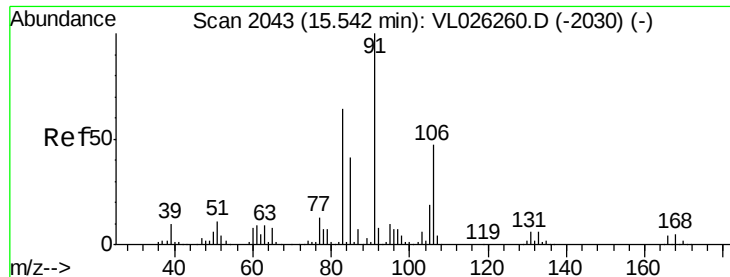


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V





#63

1,1,2,2-Tetrachloroethane

Concen: 0.13 ppbv

RT: 15.53 min Scan# 2041

Delta R.T. -0.01 min

Lab File: VL026264.D

Acq: 29 Oct 2015 11:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

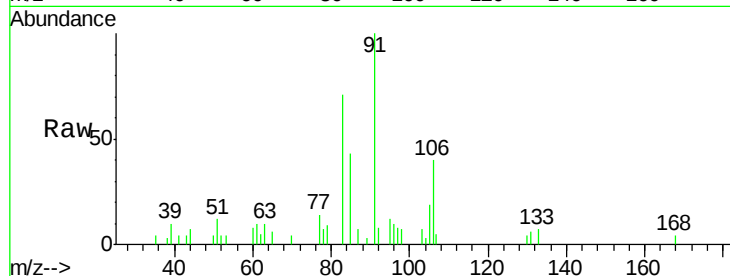
Tot Ion: 83 Resp: 21908

Ion Ratio Lower Upper

83 100

131 7.2 4.6 13.8

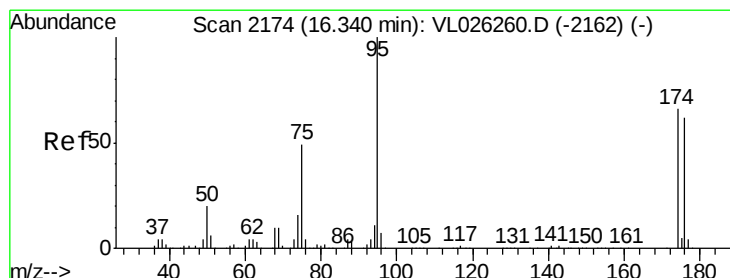
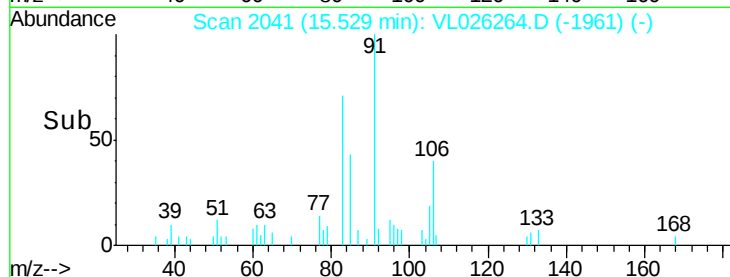
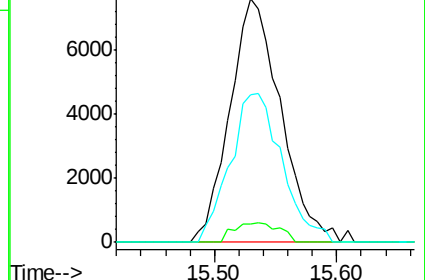
85 62.2 32.4 97.2



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#68

1-Bromo-4-Fluorobenzene

Concen: 10.07 ppbv

RT: 16.33 min Scan# 2173

Delta R.T. -0.01 min

Lab File: VL026264.D

Acq: 29 Oct 2015 11:57

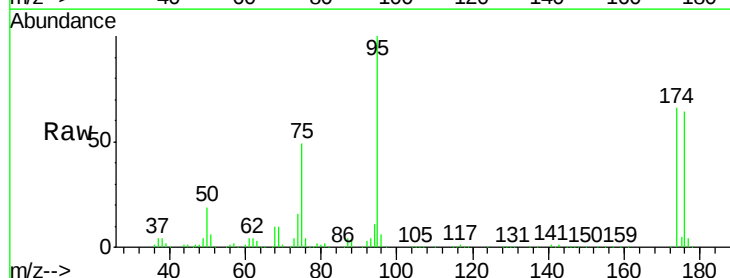
Tgt Ion: 95 Resp: 1435312

Ion Ratio Lower Upper

95 100

174 65.8 52.9 79.3

175 4.9 3.8 5.8



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

