

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL102015\
 Data File : VL026211.D
 Acq On : 20 Oct 2015 13:47
 Operator : SY/MD
 Sample : VSTDIC0.03
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

Quant Time: Oct 20 14:37:43 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102015AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Oct 20 14:20:46 2015
 QLast Update : Tue Oct 20 14:20:46 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.63	49	553878	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.30	114	1621680	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.72	117	1909457	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.25	95	1527317	10.36	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.60%

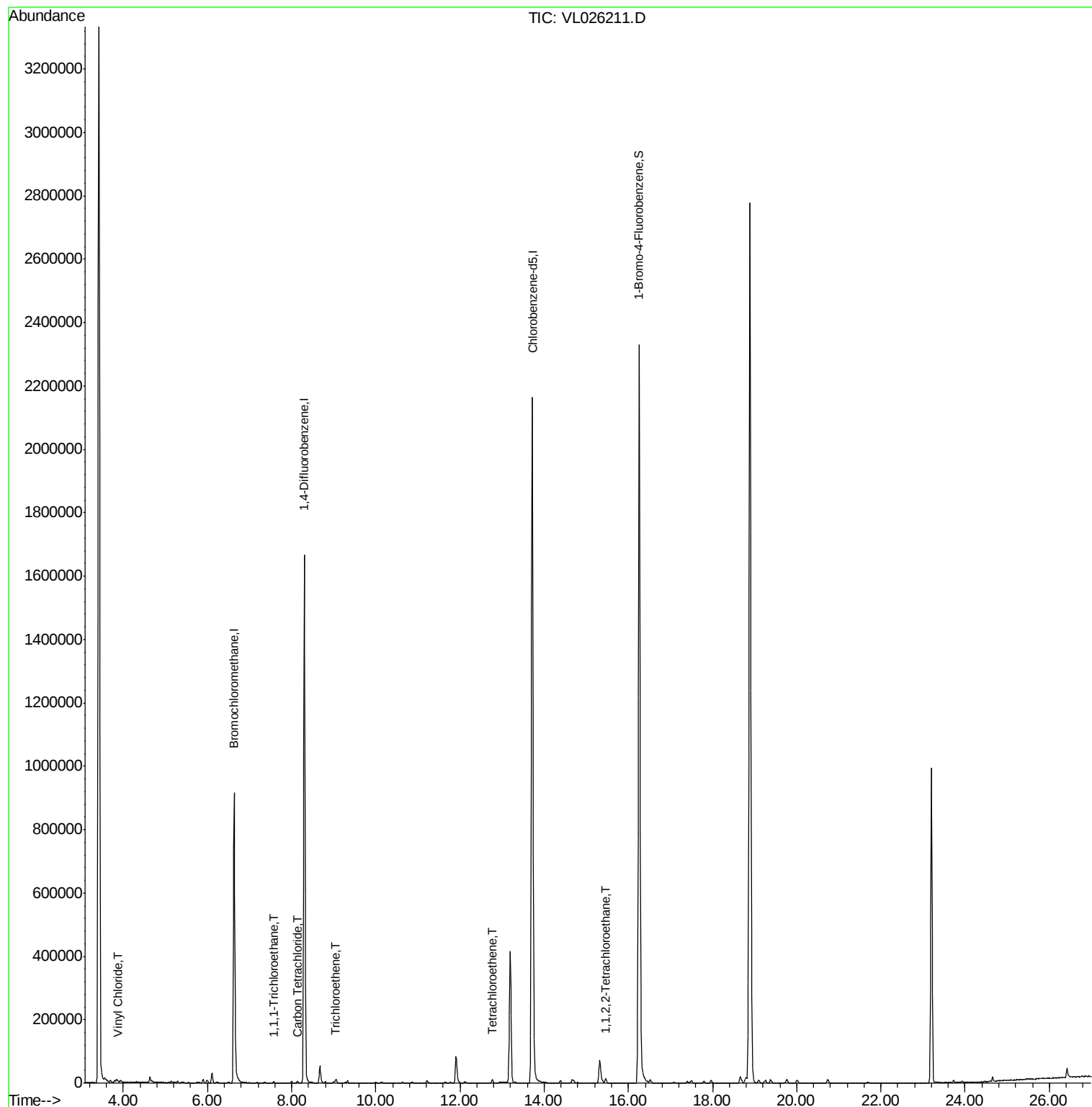
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.89	62	1251	0.03	ppbv	# 42
32) 1,1,1-Trichloroethane	7.58	97	4275	0.04	ppbv	90
35) Carbon Tetrachloride	8.13	117	4025	0.03	ppbv	98
38) Trichloroethene	9.05	130	3343	0.04	ppbv	# 83
52) Tetrachloroethene	12.76	164	4662	0.05	ppbv	# 83
63) 1,1,2,2-Tetrachloroethane	15.46	83	5601	0.03	ppbv	# 92

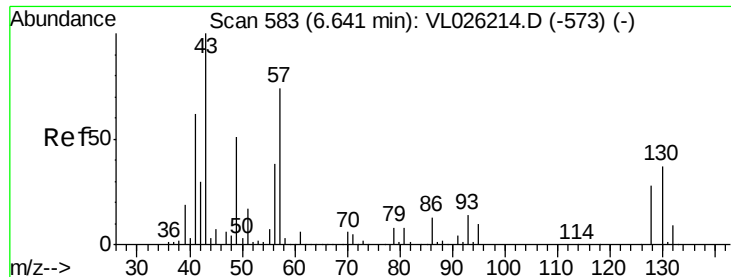
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL102015\
Data File : VL026211.D
Acq On : 20 Oct 2015 13:47
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Quant Time: Oct 20 14:37:43 2015
Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102015AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Oct 20 14:20:46 2015
QLast Update : Tue Oct 20 14:20:46 2015
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.63 min Scan# 581

Delta R.T. -0.00 min

Lab File: VL026211.D

Acq: 20 Oct 2015 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

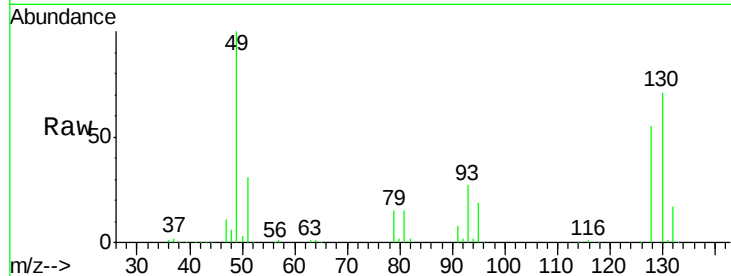
Tot Ion: 49 Resp: 553878

Ion Ratio Lower Upper

49 100

128 57.7 28.1 84.3

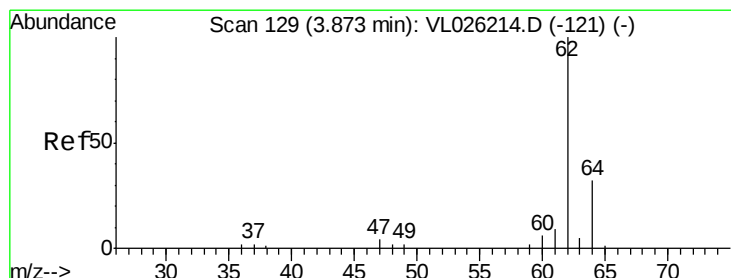
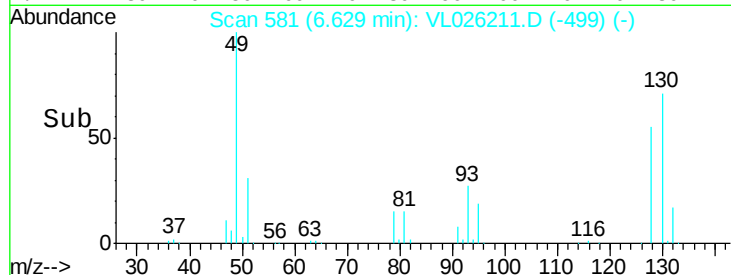
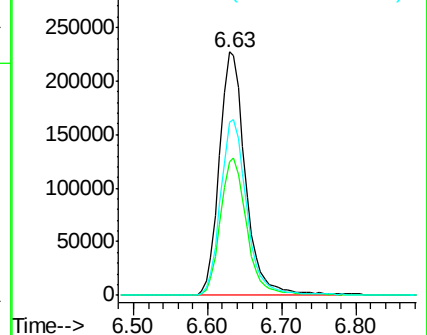
130 73.2 36.2 108.6



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: 0.03 ppbv

RT: 3.89 min Scan# 131

Delta R.T. 0.02 min

Lab File: VL026211.D

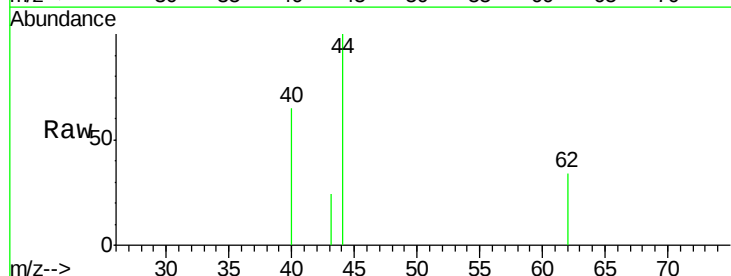
Acq: 20 Oct 2015 13:47

Tgt Ion: 62 Resp: 1251

Ion Ratio Lower Upper

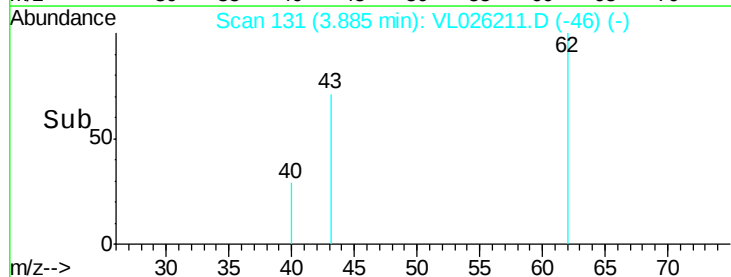
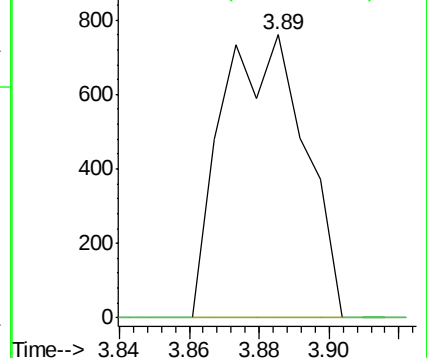
62 100

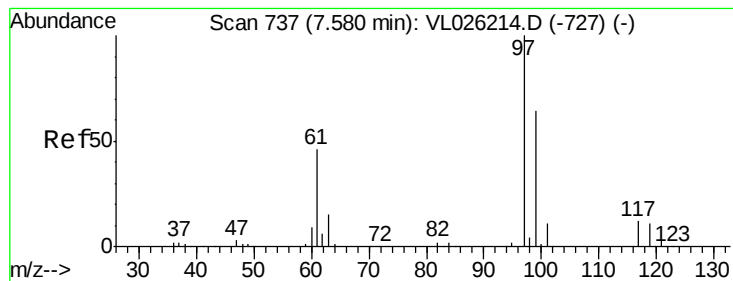
64 0.0 26.3 39.5#



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: 0.04 ppbv

RT: 7.58 min Scan# 737

Delta R.T. 0.01 min

Lab File: VL026211.D

Acq: 20 Oct 2015 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

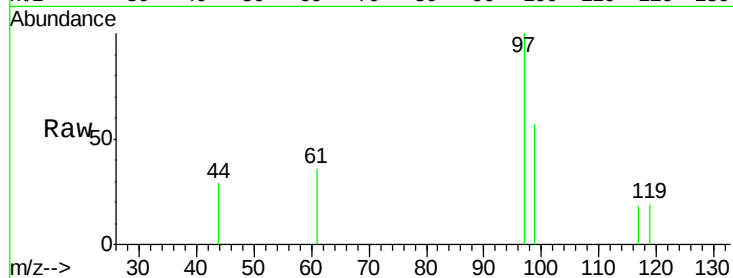
Tot Ion: 97 Resp: 4275

Ion Ratio Lower Upper

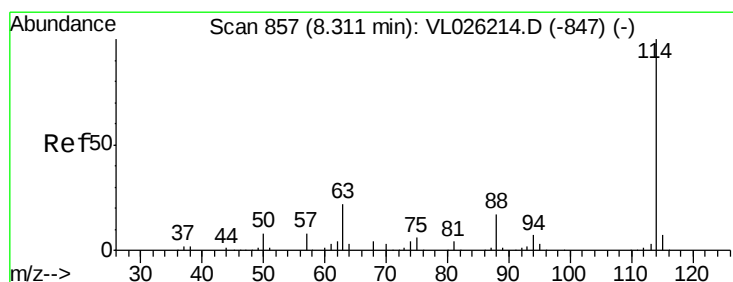
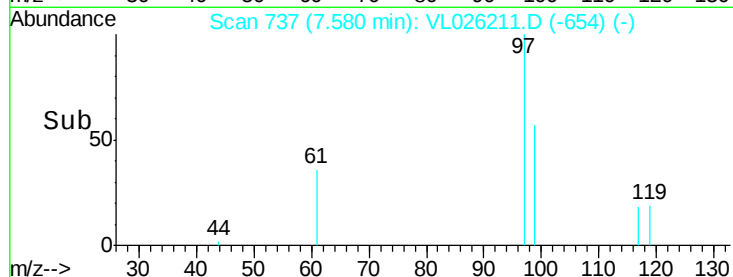
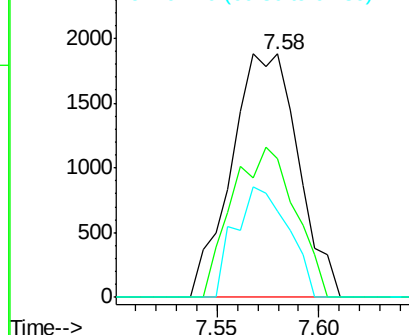
97 100

99 58.4 51.4 77.2

61 36.1 36.0 54.0



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: 8.30 min Scan# 855

Delta R.T. -0.01 min

Lab File: VL026211.D

Acq: 20 Oct 2015 13:47

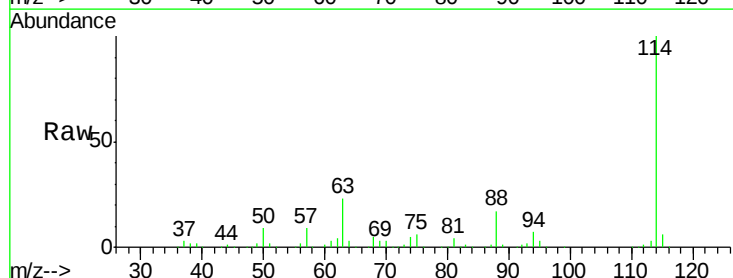
Tgt Ion: 114 Resp: 1621680

Ion Ratio Lower Upper

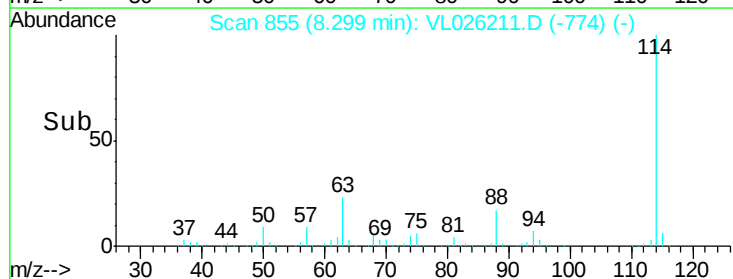
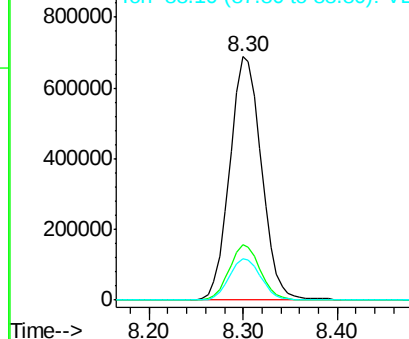
114 100

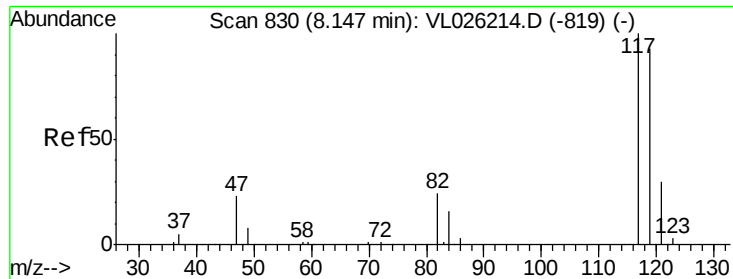
63 22.4 17.9 26.9

88 16.9 13.6 20.4



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





#35

Carbon Tetrachloride

Concen: 0.03 ppbv

RT: 8.13 min Scan# 828

Delta R.T. -0.00 min

Lab File: VL026211.D

Acq: 20 Oct 2015 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

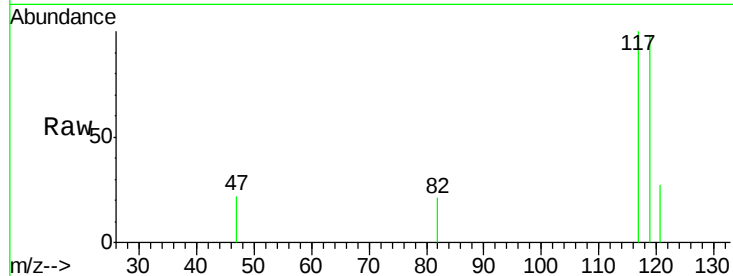
Tot Ion:117 Resp: 4025

Ion Ratio Lower Upper

117 100

119 97.7 78.3 117.5

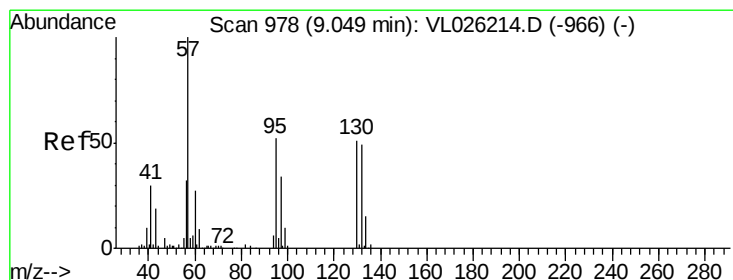
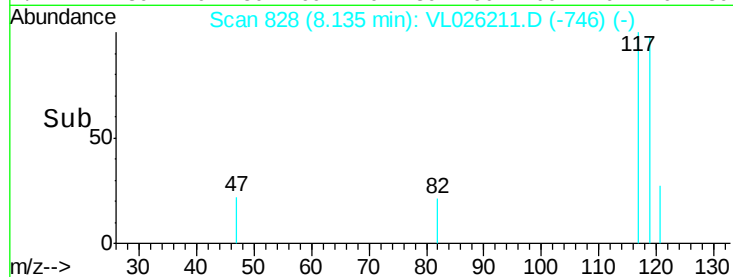
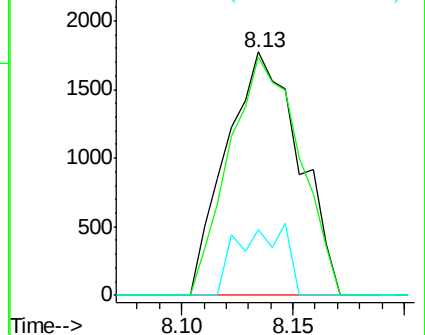
121 26.8 25.0 37.6



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: 0.04 ppbv

RT: 9.05 min Scan# 978

Delta R.T. 0.01 min

Lab File: VL026211.D

Acq: 20 Oct 2015 13:47

Tgt Ion:130 Resp: 3343

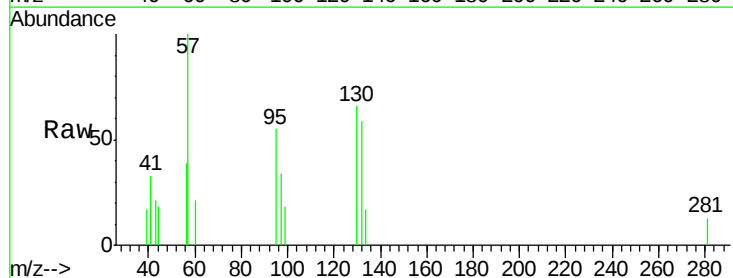
Ion Ratio Lower Upper

130 100

95 82.8 84.2 126.2#

132 89.4 78.5 117.7

97 51.3 53.7 80.5#

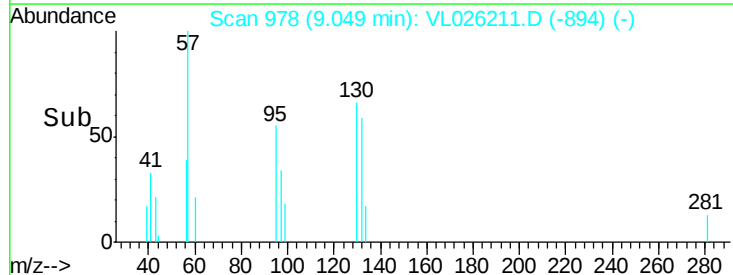
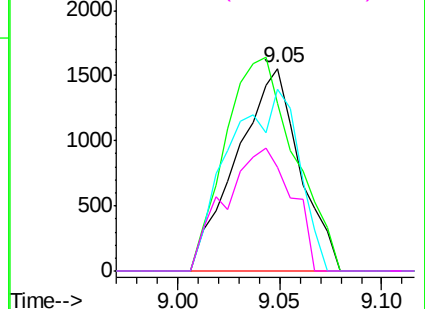


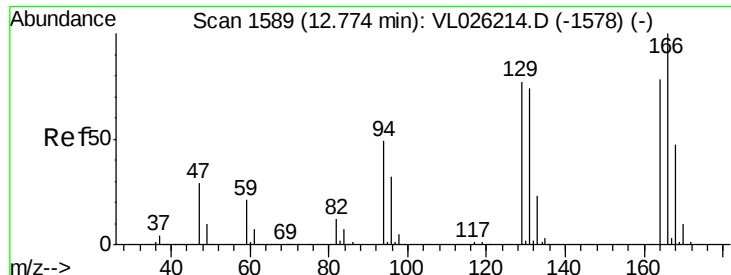
Abundance Ion 130.00 (129.70 to 130.70): V

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: 0.05 ppbv

RT: 12.76 min Scan# 1587

Delta R.T. -0.00 min

Lab File: VL026211.D

Acq: 20 Oct 2015 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Tot Ion:164 Resp: 4662

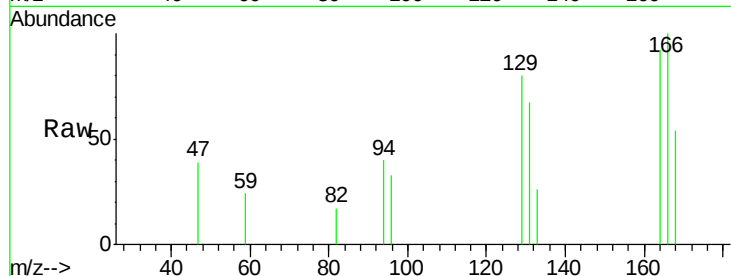
Ion Ratio Lower Upper

164 100

166 108.4 100.9 151.3

129 86.4 79.7 119.5

131 72.5 75.5 113.3#

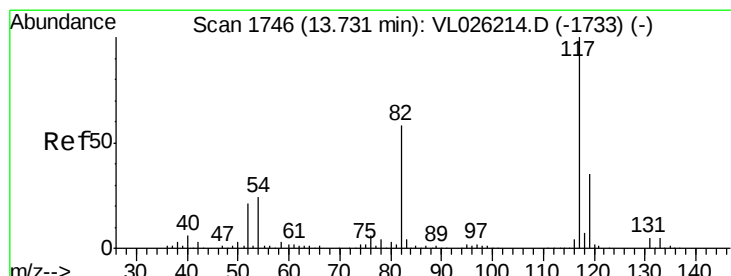
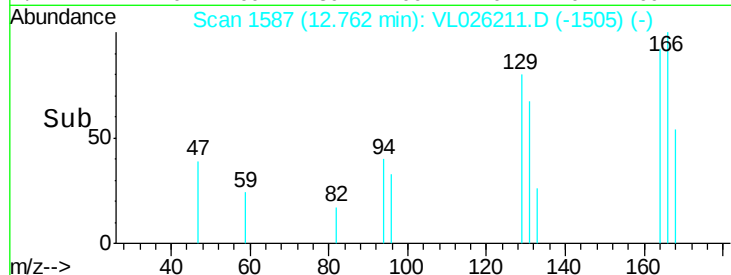
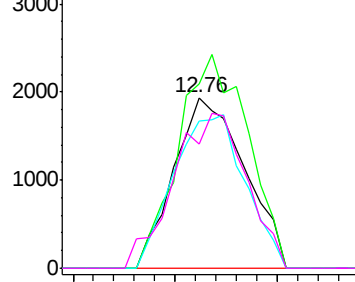


Abundance Ion 163.90 (163.60 to 164.60): V

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: 13.72 min Scan# 1744

Delta R.T. -0.00 min

Lab File: VL026211.D

Acq: 20 Oct 2015 13:47

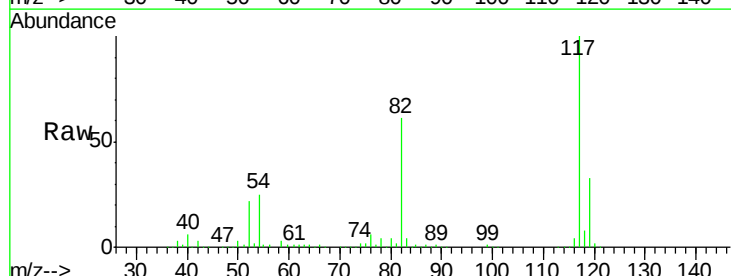
Tgt Ion:117 Resp: 1909457

Ion Ratio Lower Upper

117 100

82 0.0 46.3 69.5#

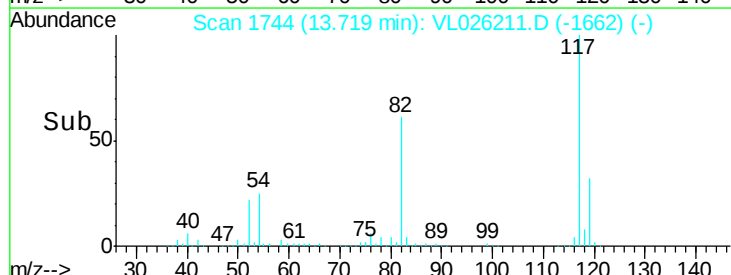
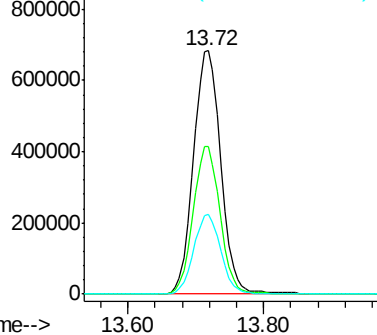
119 32.7 45.0 67.4#

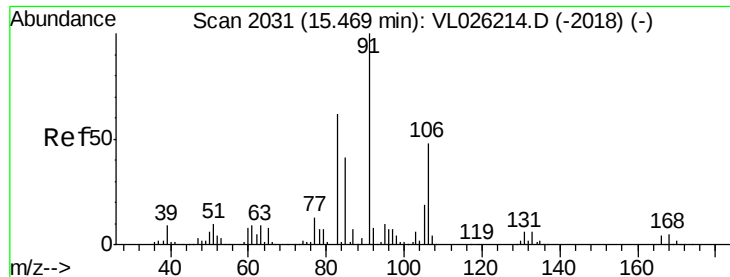


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V

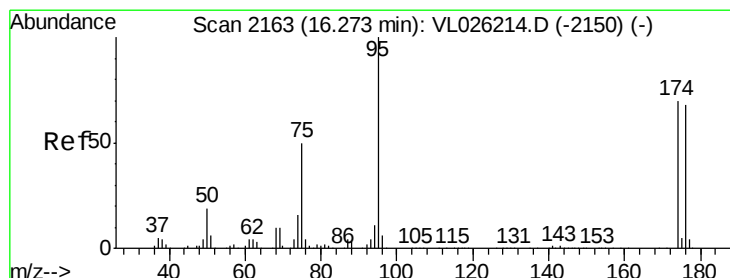
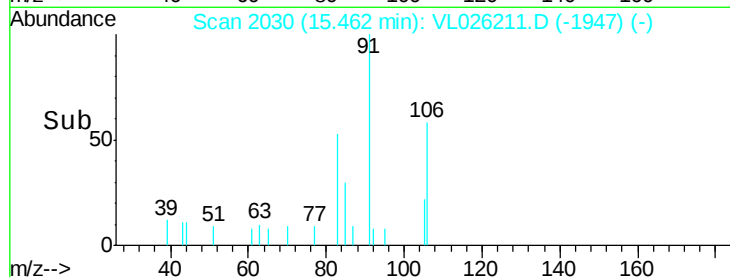
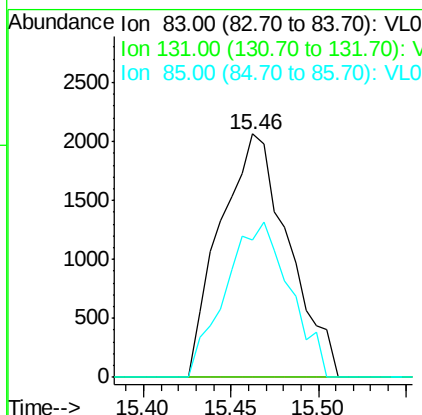
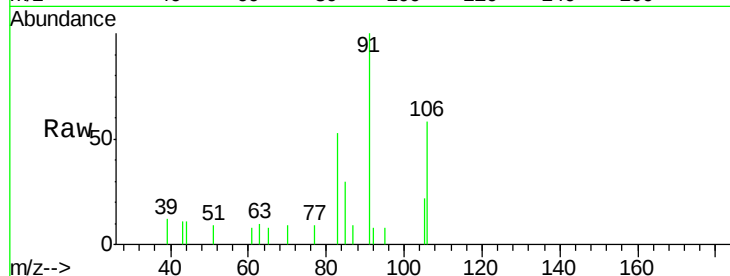




#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.03 ppbv
 RT: 15.46 min Scan# 2030
 Delta R.T. 0.01 min
 Lab File: VL026211.D
 Acq: 20 Oct 2015 13:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

Tot Ion: 83 Resp: 5601
 Ion Ratio Lower Upper
 83 100
 131 0.0 4.9 14.7#
 85 60.4 32.3 96.8



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.36 ppbv
 RT: 16.25 min Scan# 2160
 Delta R.T. -0.01 min
 Lab File: VL026211.D
 Acq: 20 Oct 2015 13:47

Tgt Ion: 95 Resp: 1527317
 Ion Ratio Lower Upper
 95 100
 174 70.7 56.2 84.2
 175 5.5 4.3 6.5

