

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL020916\
 Data File : VL026827.D
 Acq On : 9 Feb 2016 19:29
 Operator : SY/AP
 Sample : VSTDIC0.1
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Quant Time: Feb 10 02:55:02 2016
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL020916AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 10 02:03:34 2016
 QLast Update : Wed Feb 10 02:03:34 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.68	49	1668236	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	8.36	114	4379744	10.00	ppbv	-0.02
55) Chlorobenzene-d5	13.79	117	4056138	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.33	95	2949021	8.57	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	85.70%

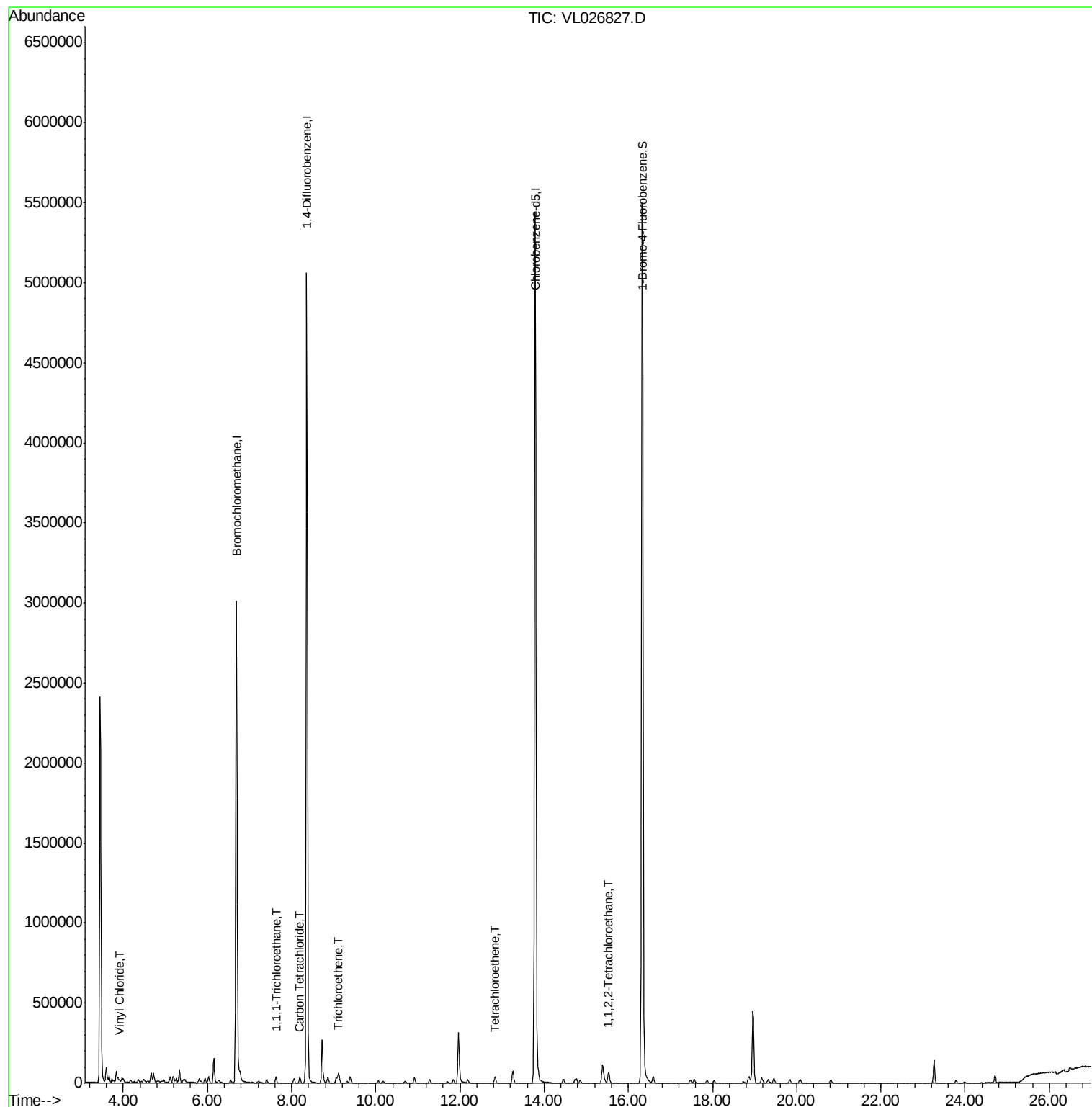
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.92	62	12874	0.11	ppbv	# 86
32) 1,1,1-Trichloroethane	7.63	97	29181	0.06	ppbv	97
35) Carbon Tetrachloride	8.20	117	28884	0.07	ppbv	89
38) Trichloroethene	9.10	130	13876	0.08	ppbv	95
52) Tetrachloroethene	12.83	164	11755	0.06	ppbv	# 90
63) 1,1,2,2-Tetrachloroethane	15.53	83	28696	0.07	ppbv	97

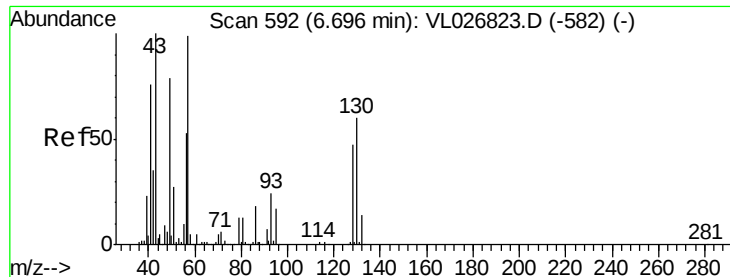
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL020916\
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Acq On : 9 Feb 2016 19:29
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Sample : VSTDICC0.1
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Quant Time: Feb 10 02:55:02 2016
Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL020916AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 10 02:03:34 2016
QLast Update : Wed Feb 10 02:03:34 2016
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.68 min Scan# 590

Delta R.T. -0.01 min

Lab File: VL026827.D

Acq: 9 Feb 2016 19:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

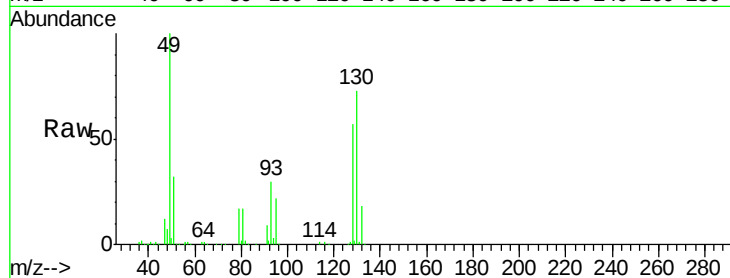
Tot Ion: 49 Resp: 1668236

Ion Ratio Lower Upper

49 100

128 57.8 29.7 89.1

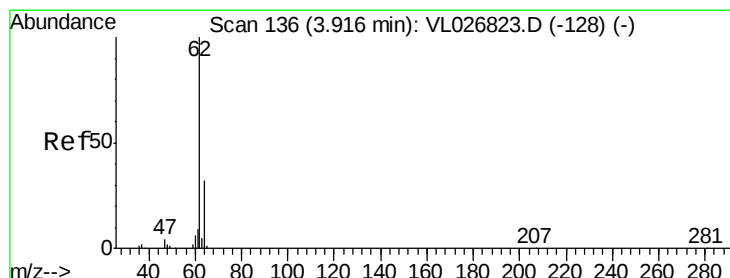
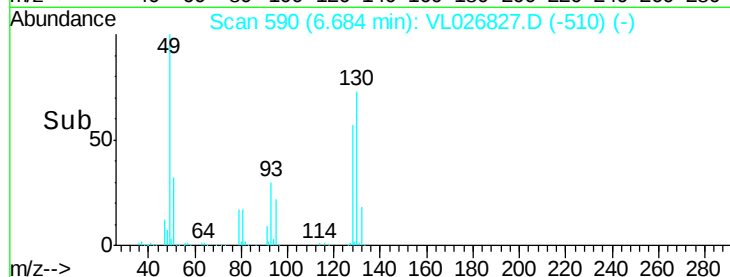
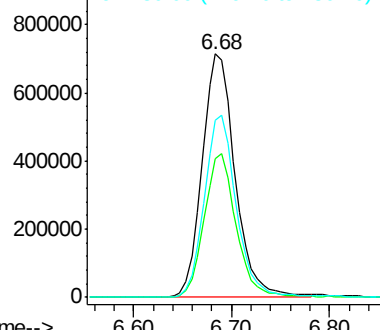
130 73.9 38.3 114.8



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: 0.11 ppbv

RT: 3.92 min Scan# 136

Delta R.T. -0.00 min

Lab File: VL026827.D

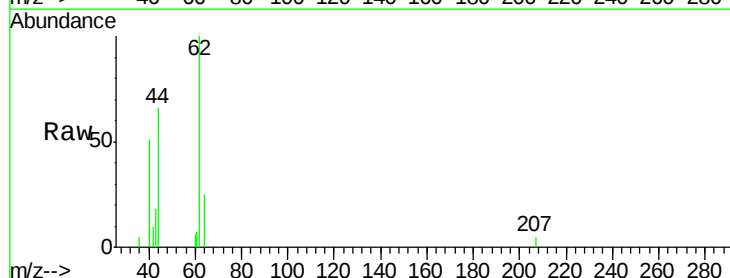
Acq: 9 Feb 2016 19:29

Tgt Ion: 62 Resp: 12874

Ion Ratio Lower Upper

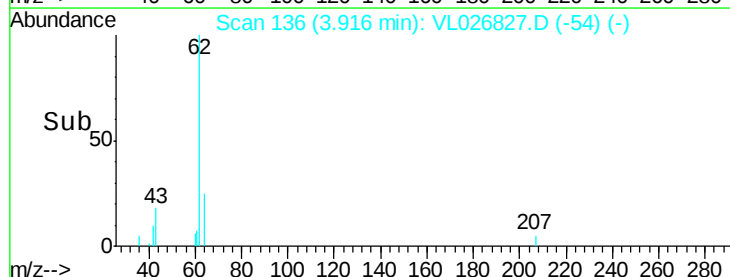
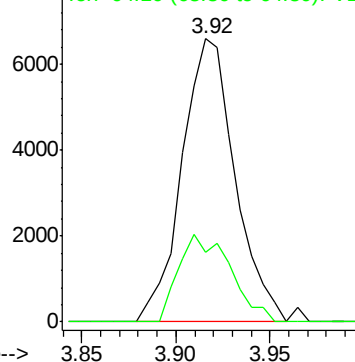
62 100

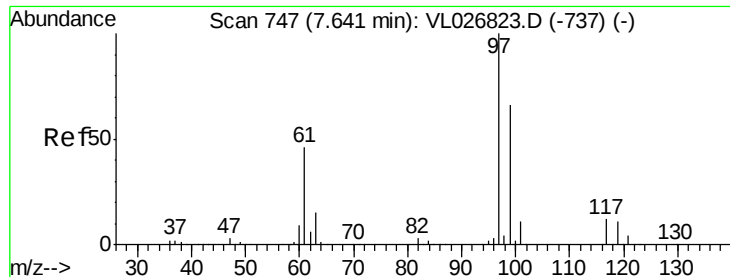
64 24.6 25.8 38.6#



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: 0.06 ppbv

RT: 7.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VL026827.D

Acq: 9 Feb 2016 19:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

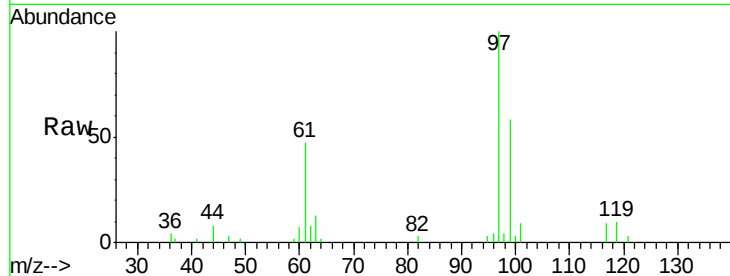
Tot Ion: 97 Resp: 29181

Ion Ratio Lower Upper

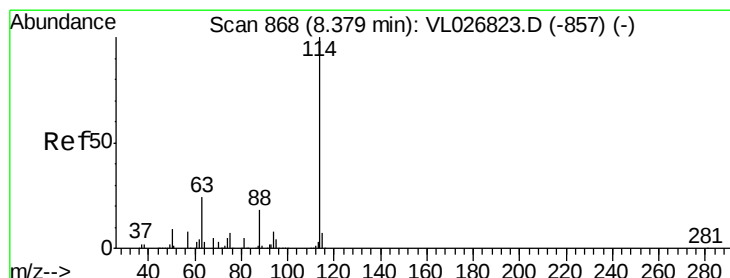
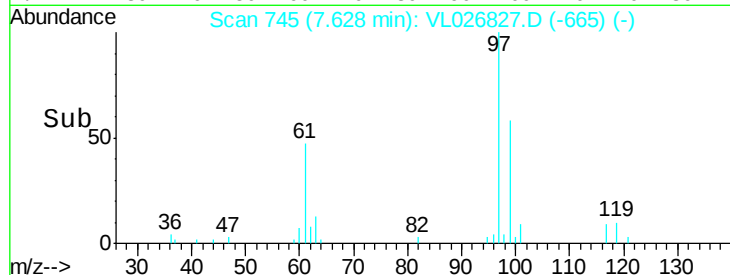
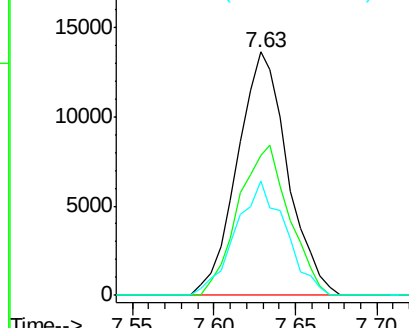
97 100

99 62.4 52.0 78.0

61 46.6 36.2 54.4



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: 8.36 min Scan# 865

Delta R.T. -0.02 min

Lab File: VL026827.D

Acq: 9 Feb 2016 19:29

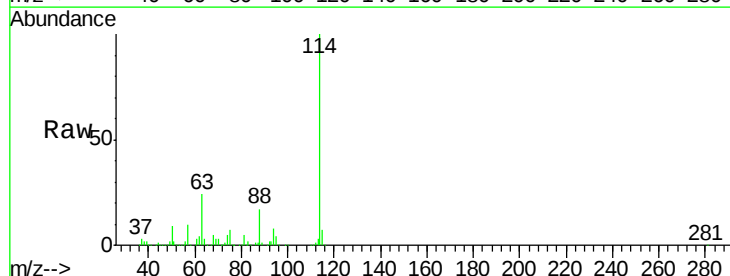
Tgt Ion: 114 Resp: 4379744

Ion Ratio Lower Upper

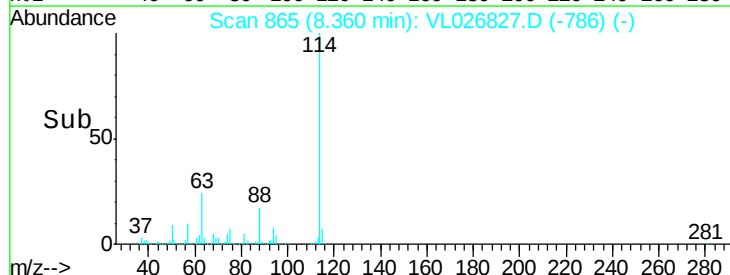
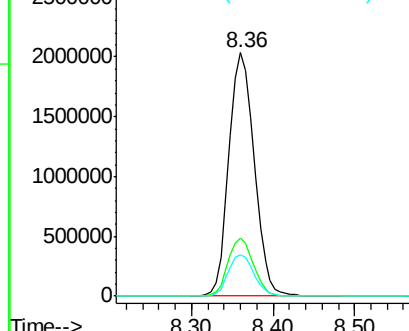
114 100

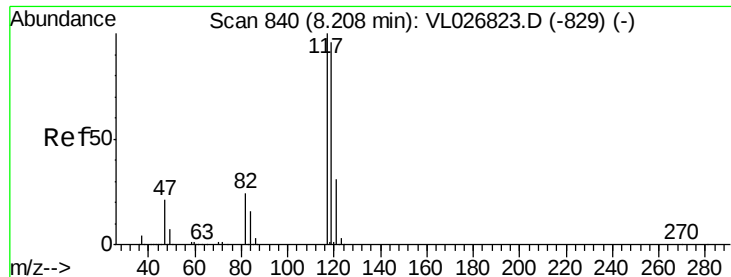
63 24.0 19.7 29.5

88 17.1 13.8 20.6



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: 0.07 ppbv

RT: 8.20 min Scan# 838

Delta R.T. -0.01 min

Lab File: VL026827.D

Acq: 9 Feb 2016 19:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

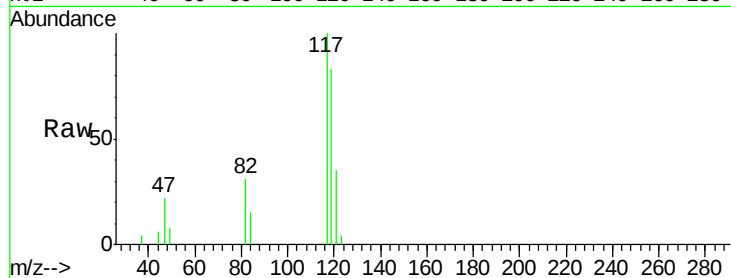
Tot Ion:117 Resp: 28884

Ion Ratio Lower Upper

117 100

119 83.4 76.6 115.0

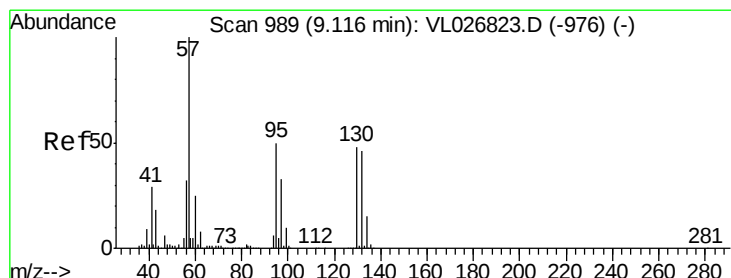
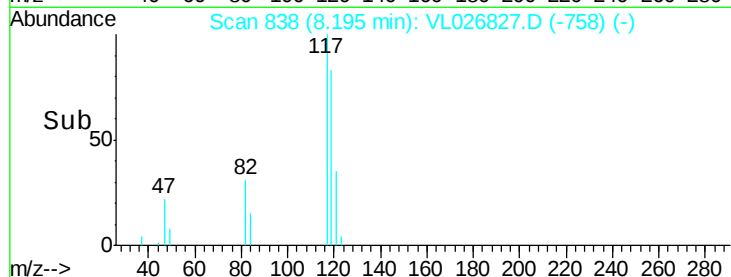
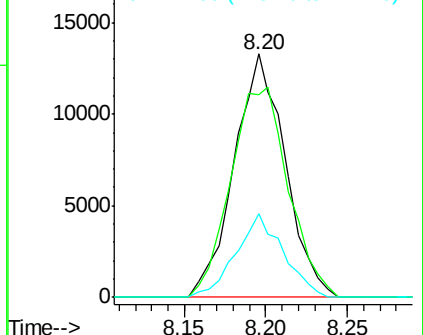
121 34.6 25.0 37.4



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: 0.08 ppbv

RT: 9.10 min Scan# 986

Delta R.T. -0.02 min

Lab File: VL026827.D

Acq: 9 Feb 2016 19:29

Tgt Ion:130 Resp: 13876

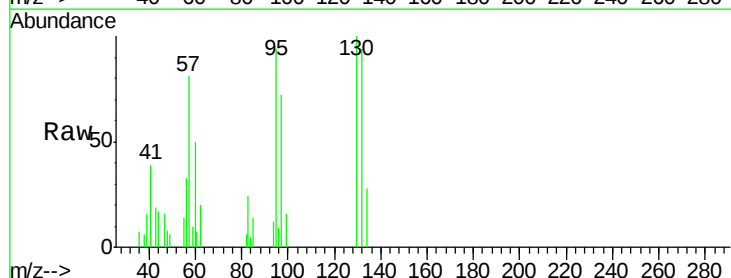
Ion Ratio Lower Upper

130 100

95 94.2 83.0 124.6

132 94.1 76.0 114.0

97 72.3 54.0 81.0

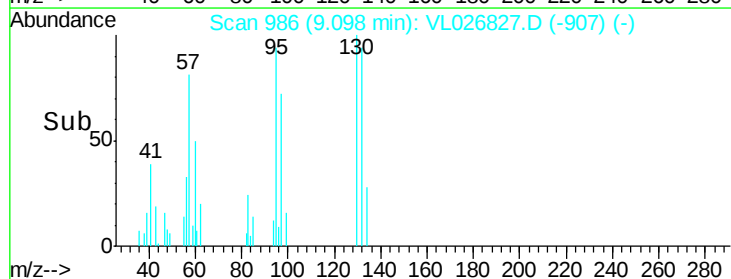
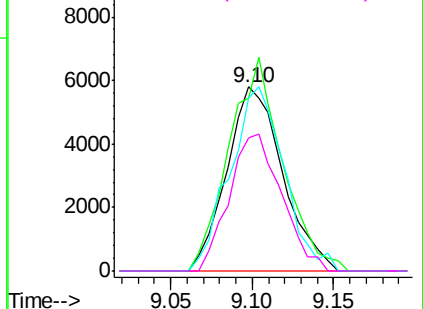


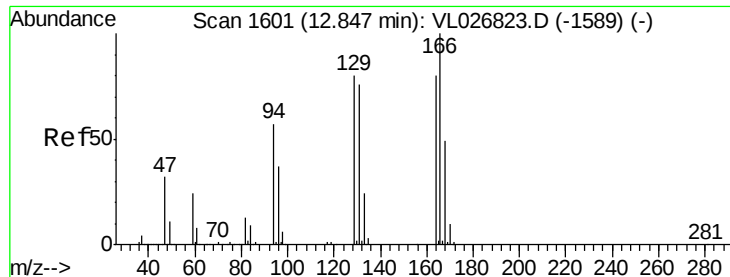
Abundance Ion 130.00 (129.70 to 130.70): V

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: 0.06 ppbv

RT: 12.83 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VL026827.D

Acq: 9 Feb 2016 19:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tot Ion:164 Resp: 11755

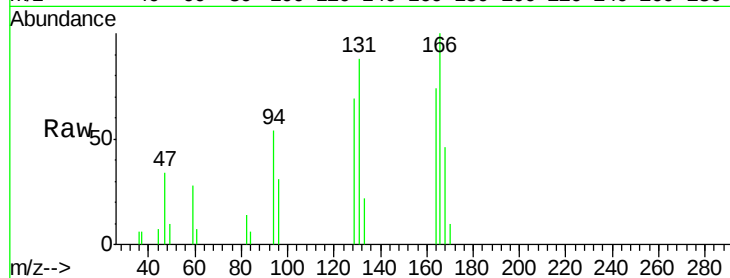
Ion Ratio Lower Upper

164 100

166 128.1 100.3 150.5

129 93.3 80.0 120.0

131 119.4 76.7 115.1#

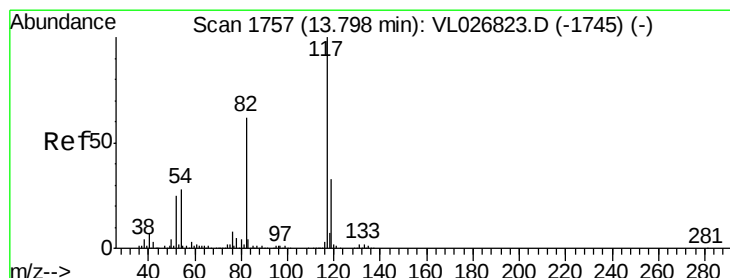
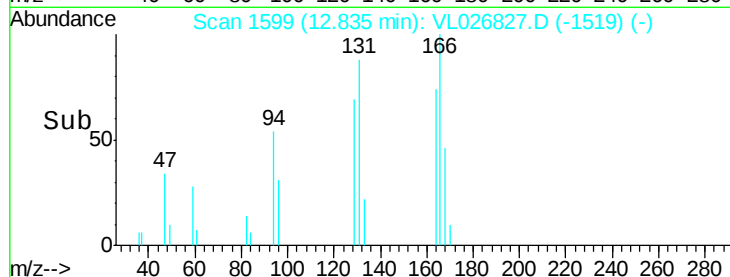
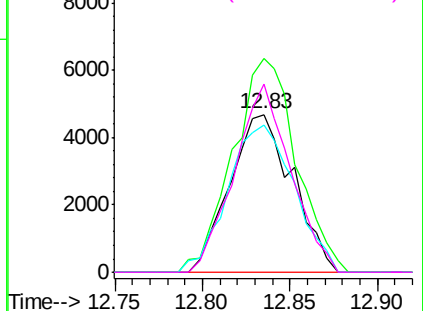


Abundance Ion 163.90 (163.60 to 164.60): V

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: VL026827.D

Acq: 9 Feb 2016 19:29

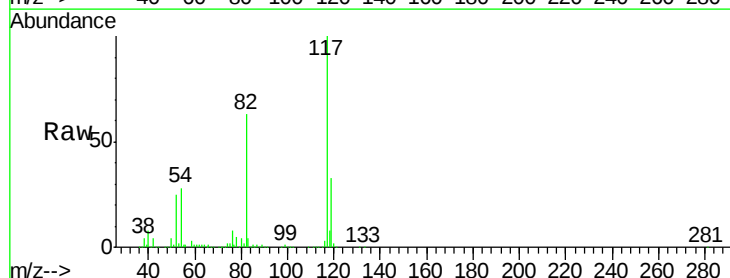
Tgt Ion:117 Resp: 4056138

Ion Ratio Lower Upper

117 100

82 0.0 51.9 77.9#

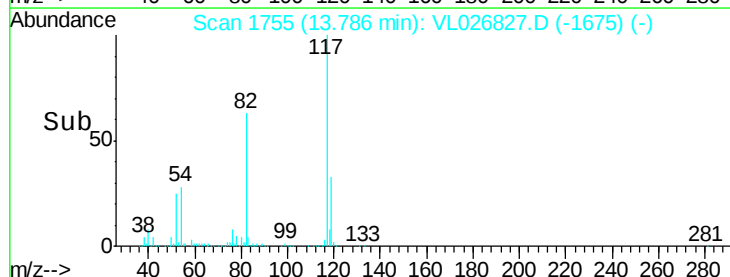
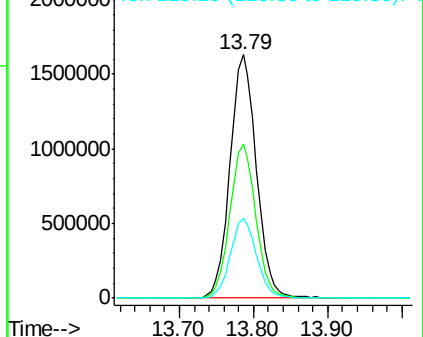
119 0.0 48.5 72.7#

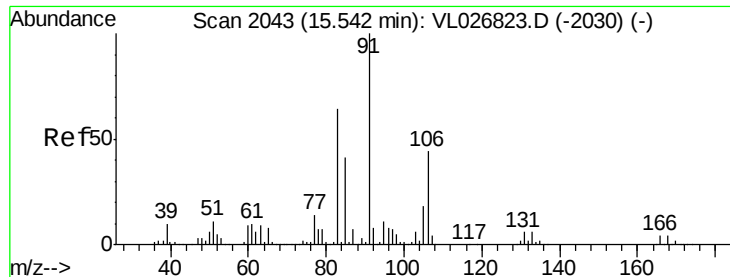


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#63

1,1,2,2-Tetrachloroethane

Concen: 0.07 ppbv

RT: 15.53 min Scan# 2041

Delta R.T. -0.01 min

Lab File: VL026827.D

Acq: 9 Feb 2016 19:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

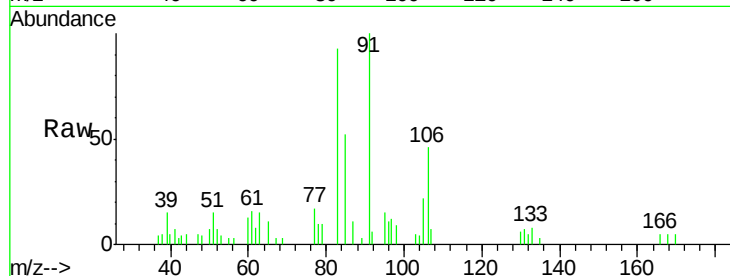
Tot Ion: 83 Resp: 28696

Ion Ratio Lower Upper

83 100

131 7.7 4.7 14.1

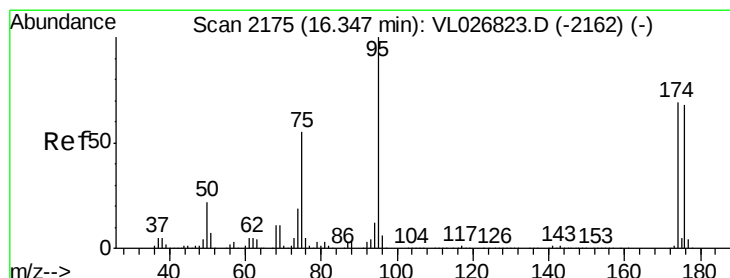
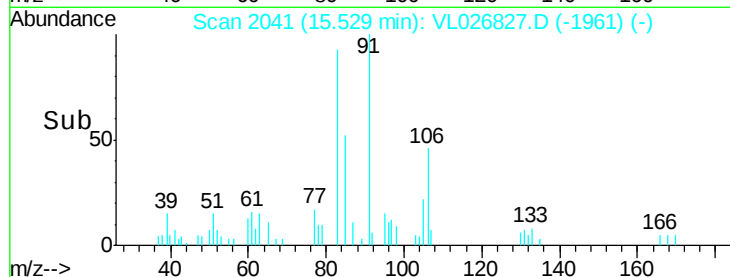
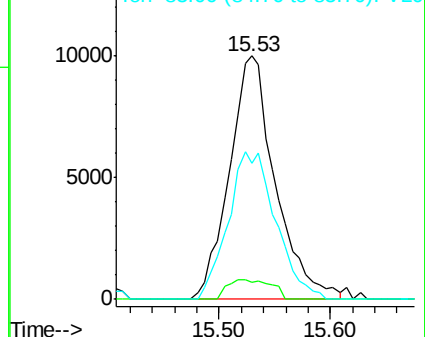
85 62.5 32.3 96.9



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#68

1-Bromo-4-Fluorobenzene

Concen: 8.57 ppbv

RT: 16.33 min Scan# 2172

Delta R.T. -0.02 min

Lab File: VL026827.D

Acq: 9 Feb 2016 19:29

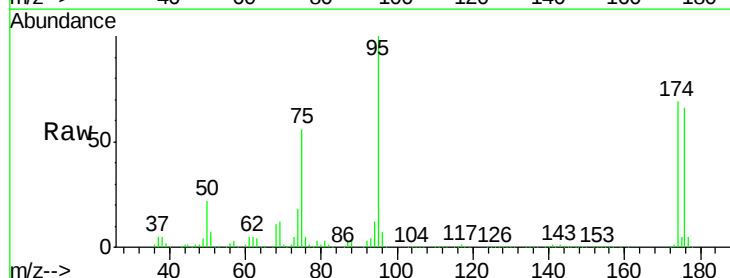
Tgt Ion: 95 Resp: 2949021

Ion Ratio Lower Upper

95 100

174 70.2 55.6 83.4

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): VL0

Ion 175.00 (174.70 to 175.70): VL0

