

Data File : VV006057.D  
Acq On : 26 May 2018 15:52  
Operator : SY/MD  
Sample : J3090-08 100X  
Misc : 5.0 mL/MSVOA\_V/WATER  
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 28 02:06:06 2018  
Quant Method : W:\HPCHEM1\MSVOA\_V\METHOD\SOMVLM052518WMA.M  
Quant Title : VOC Analysis  
QLast Update : Mon May 28 02:03:29 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 171264   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 161619   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 68000    | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 56099    | 46.90    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 93.80%  |
| 7) Chloroethane-d5             | 1.55    | 69    | 14041    | 16.60    | ug/L | -0.02   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 33.20%# |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 79674    | 35.79    | ug/L | -0.01   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 71.58%  |
| 21) 2-Butanone-d5              | 3.96    | 46    | 64274    | 93.82    | ug/L | 0.01    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 93.82%  |
| 24) Chloroform-d               | 4.40    | 84    | 106066   | 47.04    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.08%  |
| 26) 1,2-Dichloroethane-d4      | 5.09    | 65    | 73565    | 49.98    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 99.96%  |
| 32) Benzene-d6                 | 5.10    | 84    | 211321   | 49.18    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.36%  |
| 36) 1,2-Dichloropropane-d6     | 6.12    | 67    | 67208    | 49.26    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 98.52%  |
| 41) Toluene-d8                 | 7.37    | 98    | 189286   | 47.62    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 95.24%  |
| 43) trans-1,3-Dichloropropene- | 7.67    | 79    | 27595    | 43.91    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 87.82%  |
| 47) 2-Hexanone-d5              | 8.14    | 63    | 57364    | 106.97   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 106.97% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27   | 84    | 94863    | 50.56    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 101.12% |
| 64) 1,2-Dichlorobenzene-d4     | 11.68   | 152   | 72961    | 53.95    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 107.90% |

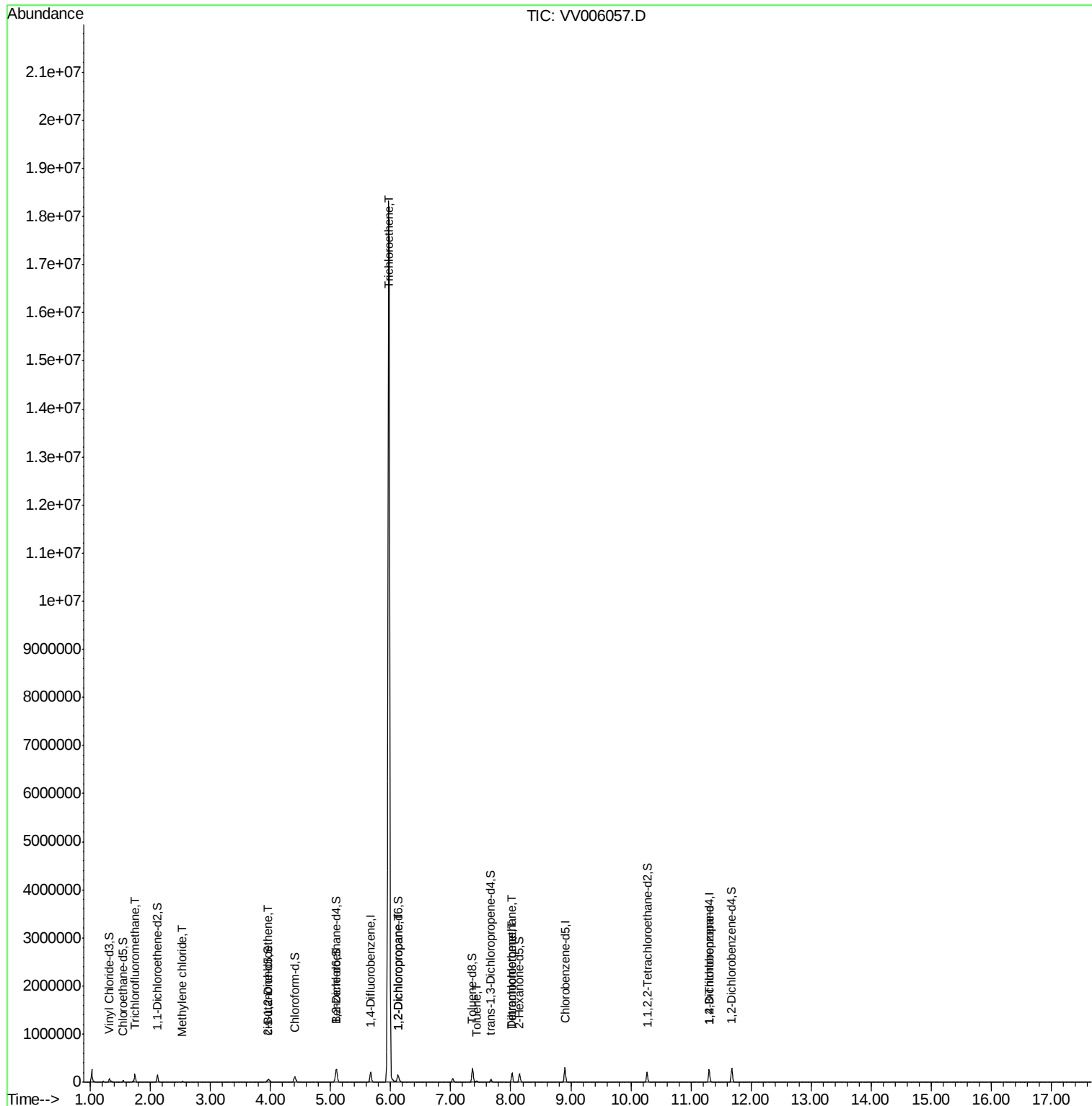
#### Target Compounds

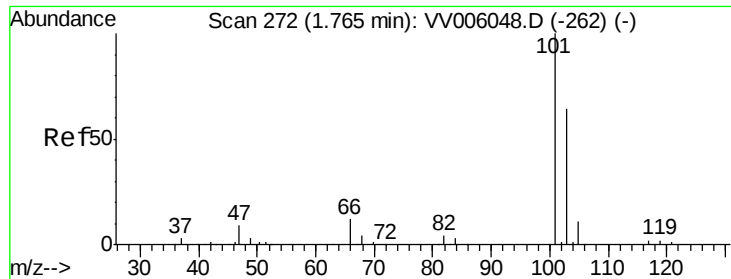
|                            |       |     |         |         |        | Qvalue |
|----------------------------|-------|-----|---------|---------|--------|--------|
| 9) Trichlorofluoromethane  | 1.75  | 101 | 98233   | 48.40   | ug/L   | 99     |
| 16) Methylene chloride     | 2.53  | 84  | 4546    | 3.61    | ug/L   | 97     |
| 20) cis-1,2-Dichloroethene | 3.96  | 96  | 6618    | 4.87    | ug/L   | 94     |
| 34) Trichloroethene        | 5.97  | 95  | 6680351 | 5124.82 | ug/L   | 97     |
| 37) 1,2-Dichloropropane    | 6.12  | 63  | 7876    | 5.80    | ug/L # | 87     |
| 42) Toluene                | 7.44  | 91  | 14666   | 2.78    | ug/L   | 98     |
| 46) Tetrachloroethene      | 8.02  | 164 | 39555   | 40.37   | ug/L   | 98     |
| 49) Dibromochloromethane   | 8.02  | 129 | 38570   | 28.16   | ug/L # | 10     |
| 59) 1,2,3-Trichloropropane | 11.30 | 75  | 8763    | 5.06    | ug/L   | 94     |

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

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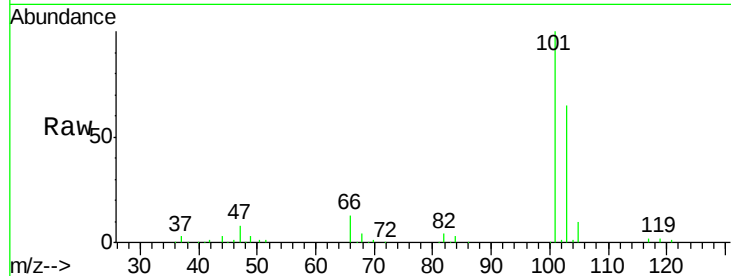




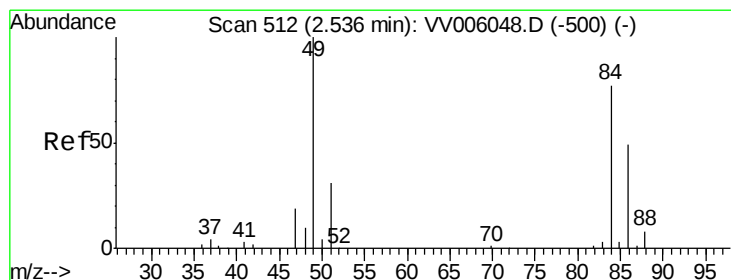
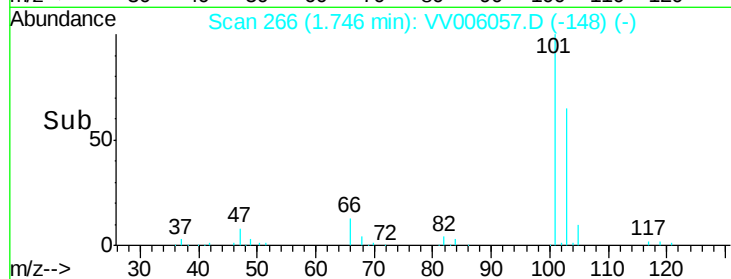
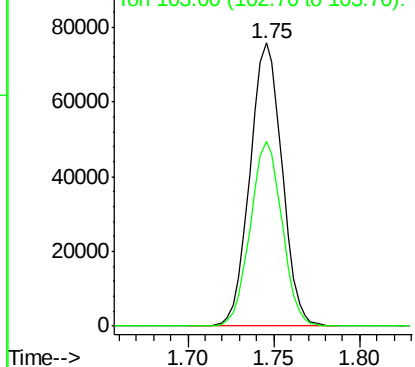
#9

Trichlorofluoromethane  
Concen: 48.40 ug/L  
RT: 1.75 min Scan# 266  
Delta R.T. -0.02 min  
Lab File: VV006057.D  
Acq: 26 May 2018 15:52

Tgt Ion: 101 Resp: 98233  
Ion Ratio Lower Upper  
101 100  
103 64.5 52.6 78.8



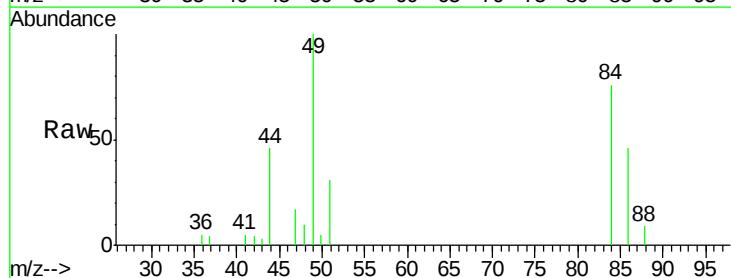
Abundance Ion 101.00 (100.70 to 101.70): V  
Ion 103.00 (102.70 to 103.70): V



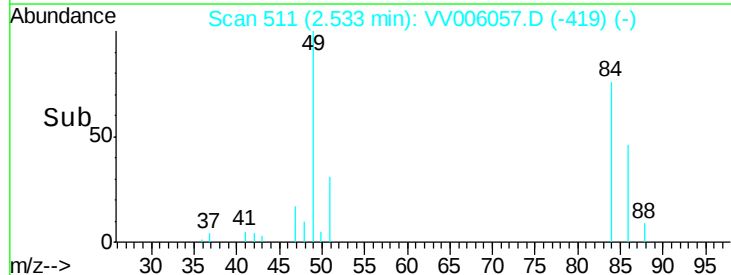
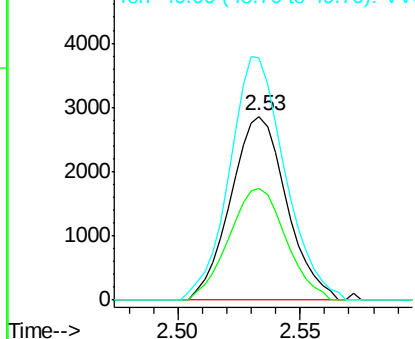
#16

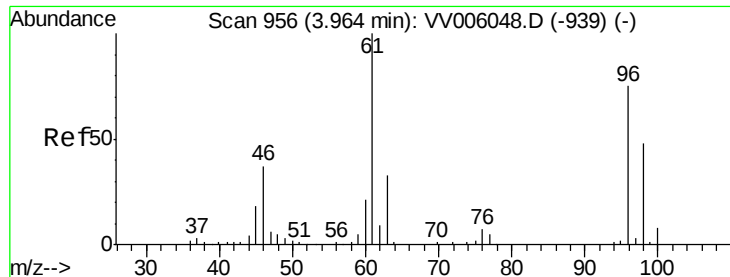
Methylene chloride  
Concen: 3.61 ug/L  
RT: 2.53 min Scan# 511  
Delta R.T. -0.00 min  
Lab File: VV006057.D  
Acq: 26 May 2018 15:52

Tgt Ion: 84 Resp: 4546  
Ion Ratio Lower Upper  
84 100  
86 61.1 45.1 83.7  
49 132.3 90.2 167.6



Abundance Ion 84.00 (83.70 to 84.70): VV0  
Ion 86.00 (85.70 to 86.70): VV0  
Ion 49.00 (48.70 to 49.70): VV0





#20

cis-1,2-Dichloroethene

Concen: 4.87 ug/L

RT: 3.96 min Scan# 955

Delta R.T. -0.00 min

Lab File: VV006057.D

Acq: 26 May 2018 15:52

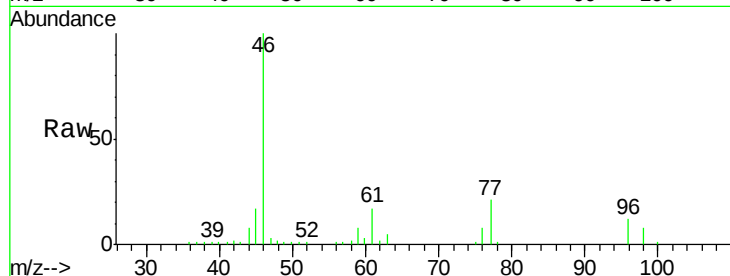
Tgt Ion: 96 Resp: 6618

Ion Ratio Lower Upper

96 100

61 135.0 89.9 167.0

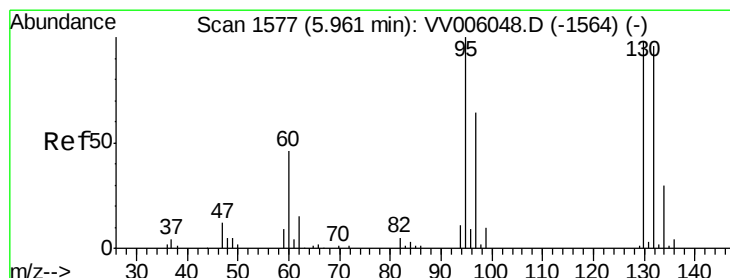
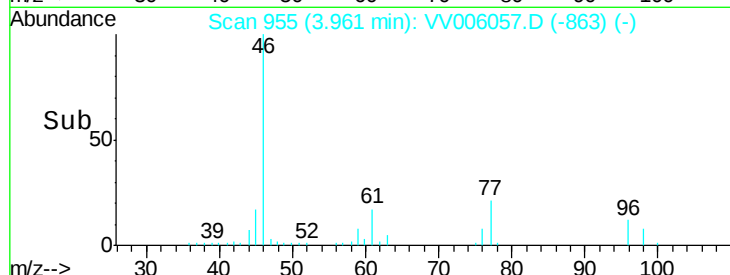
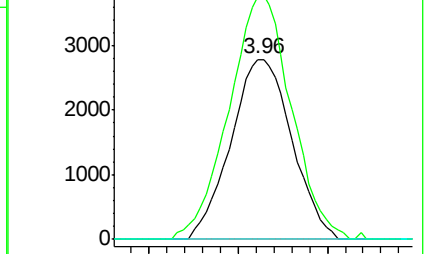
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV006048.D (-939) (-)

Ion 61.00 (60.70 to 61.70): VV006048.D (-939) (-)

Ion 68.00 (67.70 to 68.70): VV006048.D (-939) (-)



#34

Trichloroethene

Concen: 5124.82 ug/L

RT: 5.97 min Scan# 1580

Delta R.T. 0.01 min

Lab File: VV006057.D

Acq: 26 May 2018 15:52

Tgt Ion: 95 Resp: 6680351

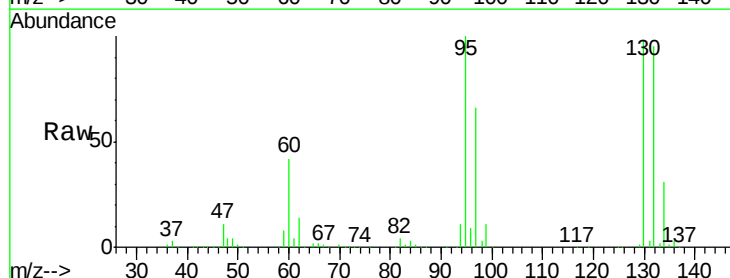
Ion Ratio Lower Upper

95 100

97 66.2 44.0 81.6

132 94.6 65.0 120.6

130 98.5 66.6 123.8

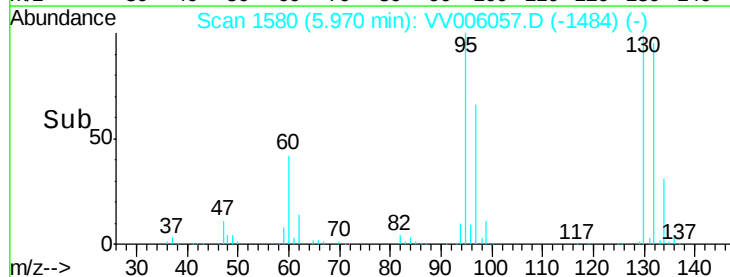
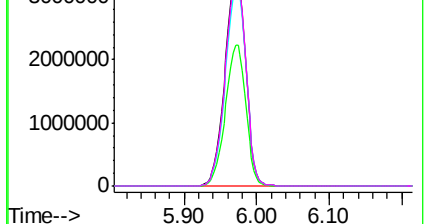


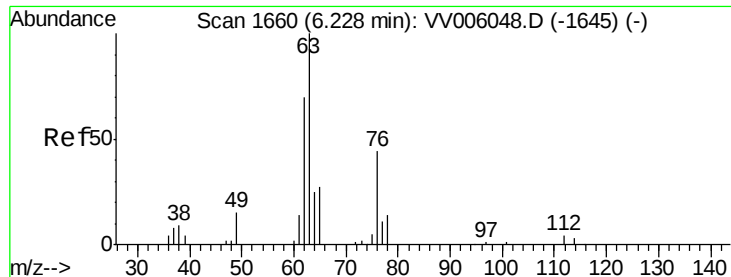
Abundance Ion 95.00 (94.70 to 95.70): VV006048.D (-1564) (-)

Ion 97.00 (96.70 to 97.70): VV006048.D (-1564) (-)

Ion 132.00 (131.70 to 132.70): VV006048.D (-1564) (-)

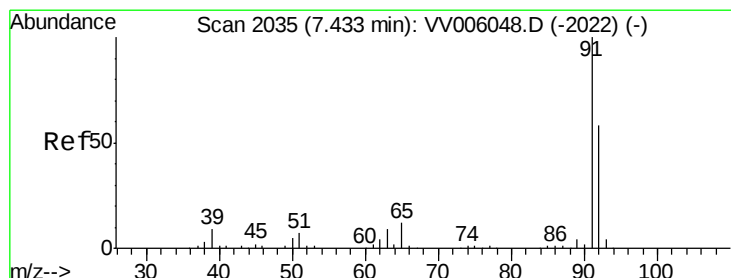
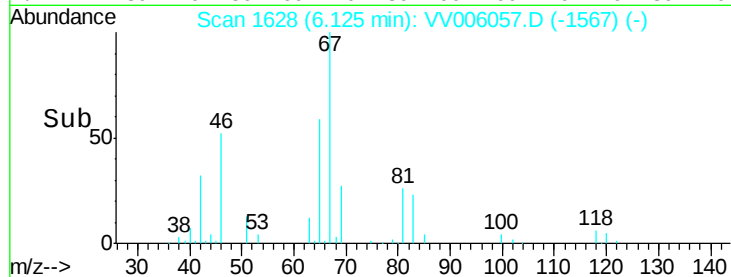
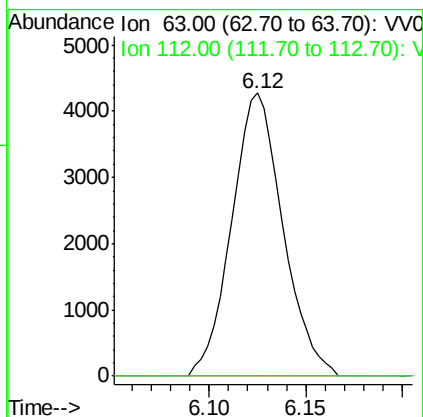
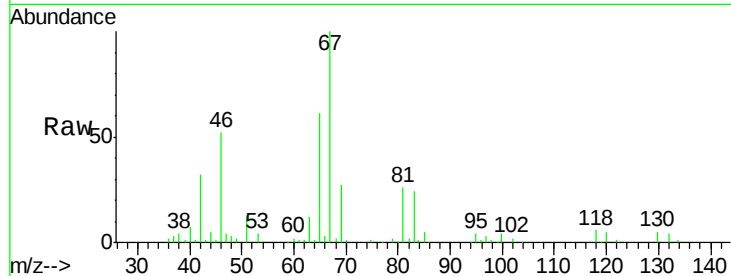
Ion 130.00 (129.70 to 130.70): VV006048.D (-1564) (-)





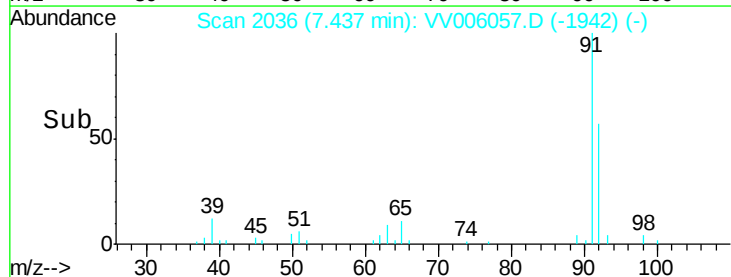
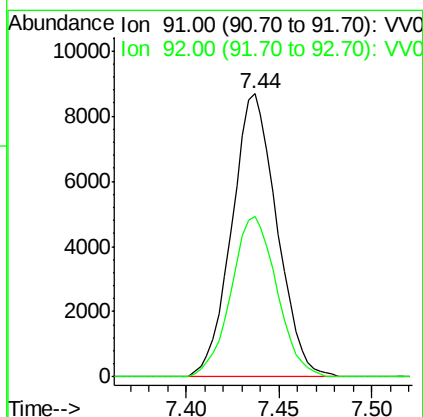
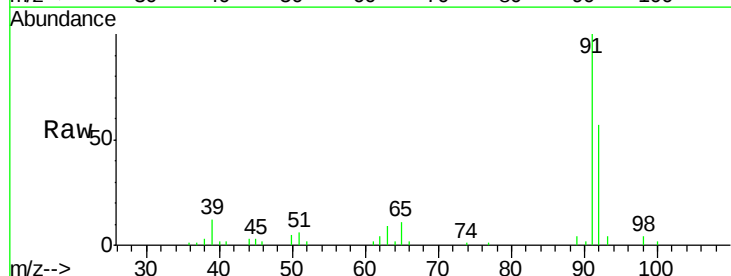
#37  
 1,2-Dichloropropane  
 Concen: 5.80 ug/L  
 RT: 6.12 min Scan# 1628  
 Delta R.T. -0.10 min  
 Lab File: VV006057.D  
 Acq: 26 May 2018 15:52

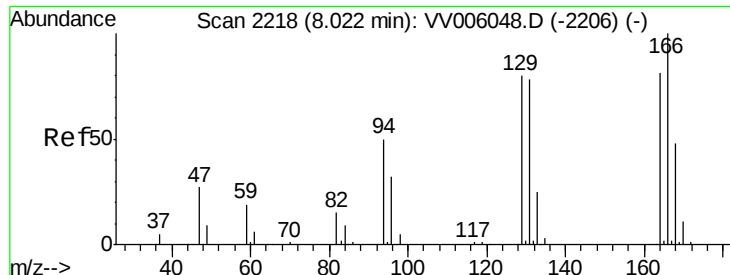
Tgt Ion: 63 Resp: 7876  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.4 5.2#



#42  
 Toluene  
 Concen: 2.78 ug/L  
 RT: 7.44 min Scan# 2036  
 Delta R.T. 0.00 min  
 Lab File: VV006057.D  
 Acq: 26 May 2018 15:52

Tgt Ion: 91 Resp: 14666  
 Ion Ratio Lower Upper  
 91 100  
 92 56.7 40.7 75.7





#46

Tetrachloroethene

Concen: 40.37 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VV006057.D

Acq: 26 May 2018 15:52

Tgt Ion:164 Resp: 39555

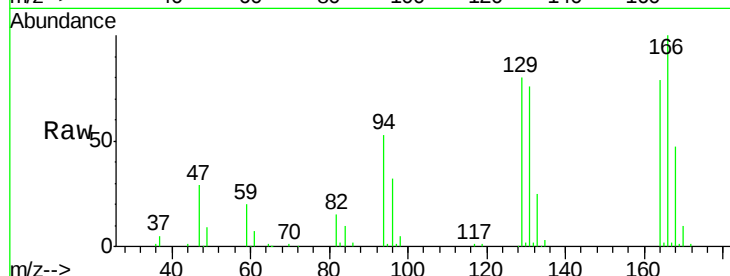
Ion Ratio Lower Upper

164 100

129 101.4 72.2 134.2

131 96.9 70.0 130.0

166 126.9 90.4 167.8

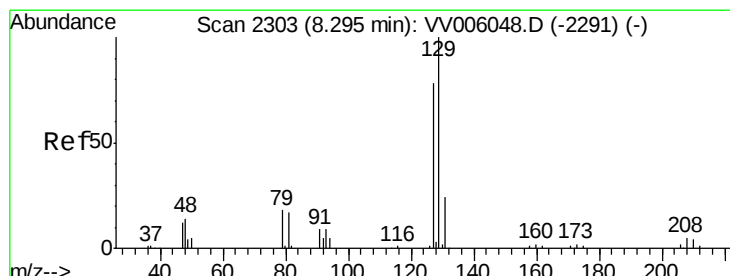
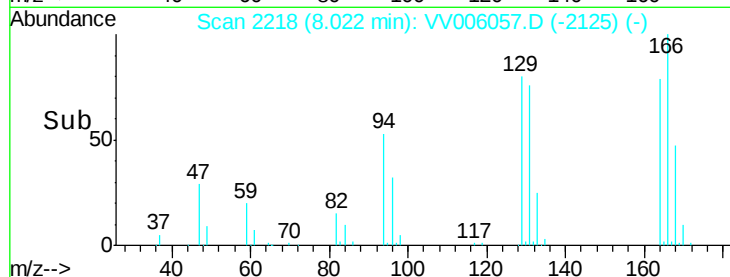
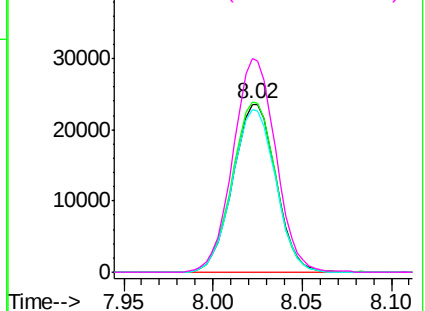


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#49

Dibromochloromethane

Concen: 28.16 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. -0.27 min

Lab File: VV006057.D

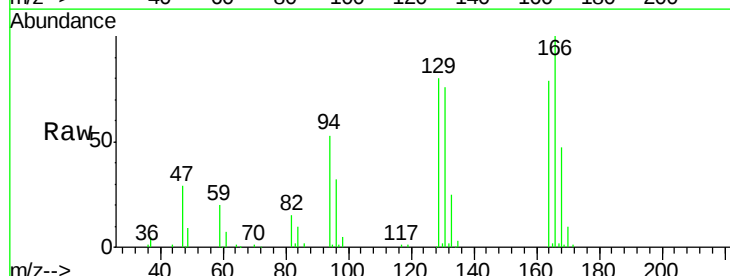
Acq: 26 May 2018 15:52

Tgt Ion:129 Resp: 38570

Ion Ratio Lower Upper

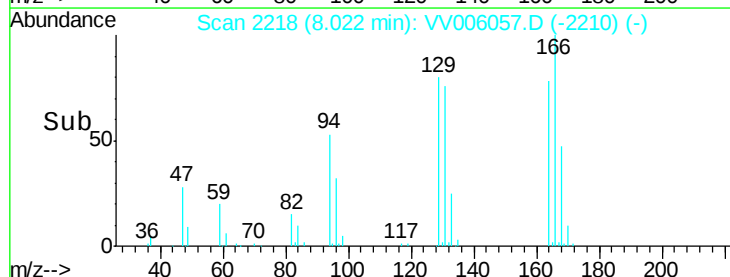
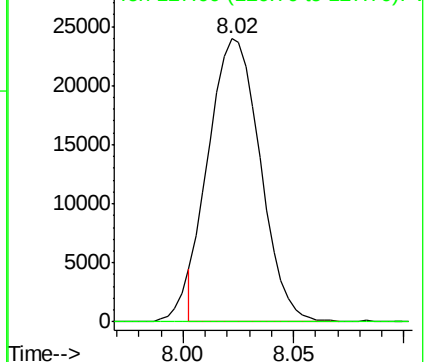
129 100

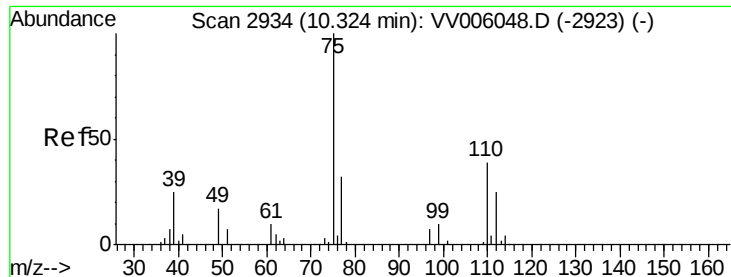
127 0.0 54.8 101.8#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#59

1,2,3-Trichloropropane

Concen: 5.06 ug/L

RT: 11.30 min Scan# 3238

Delta R.T. 0.98 min

Lab File: VV006057.D

Acq: 26 May 2018 15:52

Tgt Ion: 75 Resp: 8763

Ion Ratio Lower Upper

75 100

77 35.4 25.8 38.6

