

Data Path : W:\HPCHEM1\MSVOA V\DATA\VV052618\  
 Data File : VV006072.D  
 Acq On : 26 May 2018 23:37  
 Operator : SY/MD  
 Sample : J3089-14 200X  
 Misc : 5.0 mL/MSVOA V/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Quant Time: May 28 04:23:18 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  | 161743   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 153285   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 60812    | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 50954    | 45.11    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 90.22%  |
| 7) Chloroethane-d5             | 1.55    | 69    | 11798    | 14.77    | ug/L | -0.02   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 29.54%# |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 73190    | 34.81    | ug/L | -0.01   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 69.62%  |
| 21) 2-Butanone-d5              | 3.96    | 46    | 49920    | 77.15    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 77.15%  |
| 24) Chloroform-d               | 4.40    | 84    | 100514   | 47.20    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.40%  |
| 26) 1,2-Dichloroethane-d4      | 5.09    | 65    | 69229    | 49.81    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 99.62%  |
| 32) Benzene-d6                 | 5.10    | 84    | 198351   | 48.67    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 97.34%  |
| 36) 1,2-Dichloropropane-d6     | 6.12    | 67    | 64019    | 49.47    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 98.94%  |
| 41) Toluene-d8                 | 7.36    | 98    | 172544   | 45.77    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 91.54%  |
| 43) trans-1,3-Dichloropropene- | 7.67    | 79    | 25213    | 42.30    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 84.60%  |
| 47) 2-Hexanone-d5              | 8.14    | 63    | 50499    | 99.29    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 99.29%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27   | 84    | 90451    | 50.83    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 101.66% |
| 64) 1,2-Dichlorobenzene-d4     | 11.68   | 152   | 64105    | 53.00    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 106.00% |

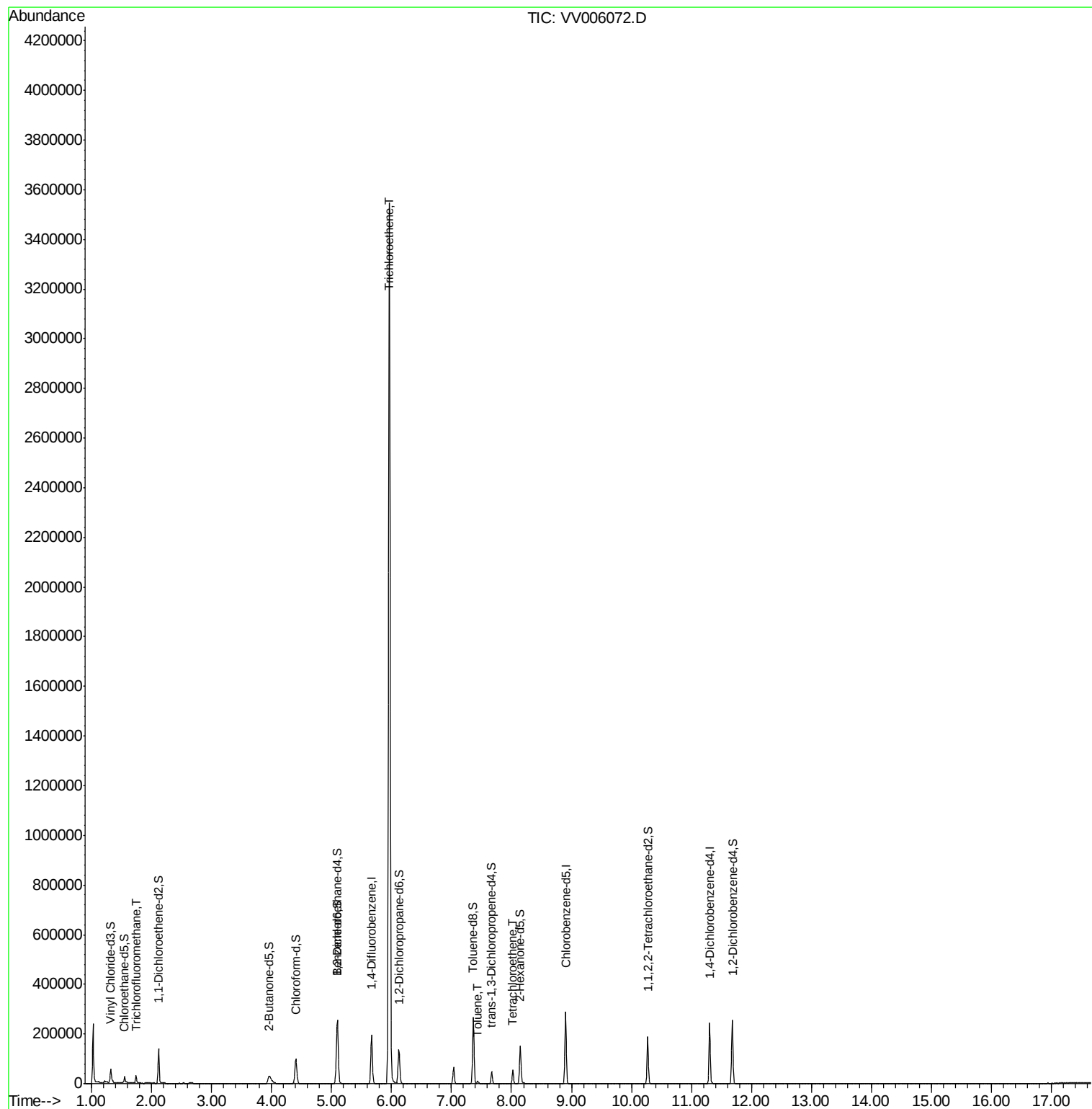
## Target Compounds

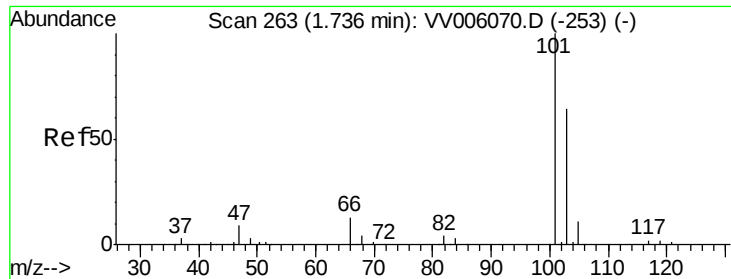
| Target Compounds          | R.T. | QIon | Response | Conc   | Units | Ovalue |
|---------------------------|------|------|----------|--------|-------|--------|
| 9) Trichlorofluoromethane | 1.74 | 101  | 16454    | 8.58   | ug/L  | 99     |
| 34) Trichloroethene       | 5.96 | 95   | 1218215  | 985.36 | ug/L  | 97     |
| 42) Toluene               | 7.44 | 91   | 6852     | 1.37   | ug/L  | 99     |
| 46) Tetrachloroethene     | 8.02 | 164  | 11315    | 12.18  | ug/L  | 98     |

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

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#9

Trichlorofluoromethane

Concen: 8.58 ug/L

RT: 1.74 min Scan# 265

Delta R.T. -0.02 min

Lab File: VV006072.D

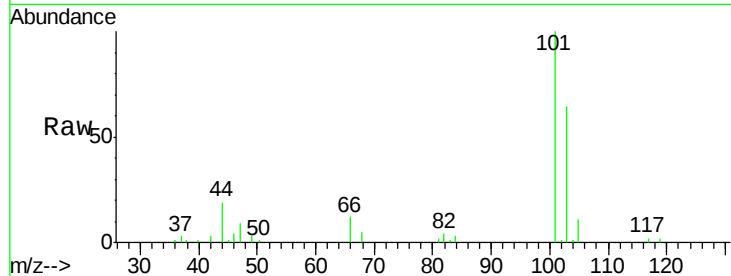
Acq: 26 May 2018 23:37

Tot Ion: 101 Resp: 16454

Ion Ratio Lower Upper

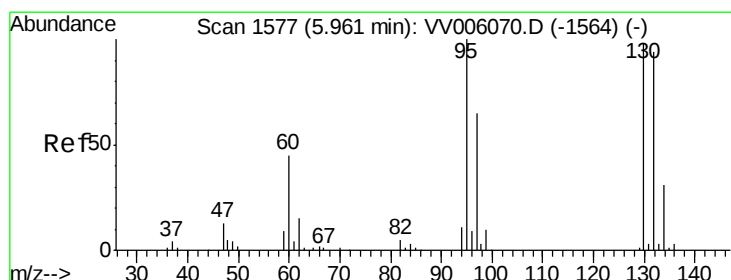
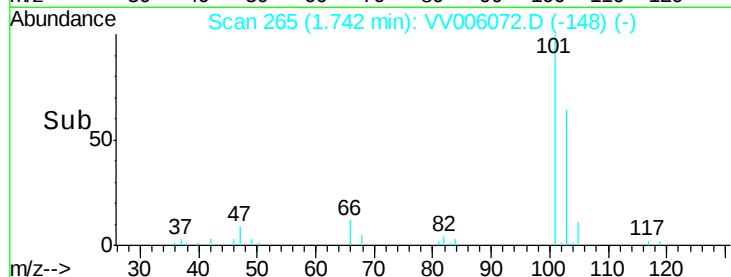
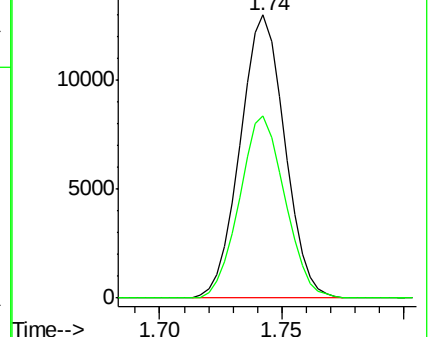
101 100

103 65.3 52.6 78.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#34

Trichloroethene

Concen: 985.36 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV006072.D

Acq: 26 May 2018 23:37

Tgt Ion: 95 Resp: 1218215

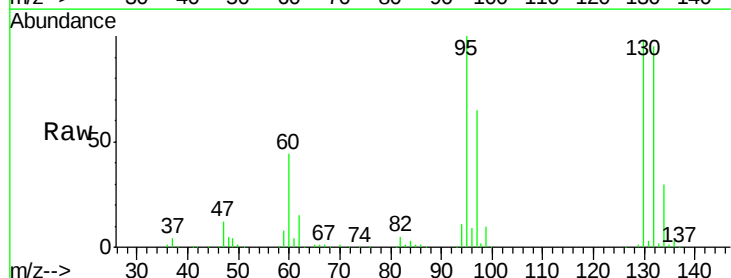
Ion Ratio Lower Upper

95 100

97 64.9 44.0 81.6

132 94.6 65.0 120.6

130 98.2 66.6 123.8

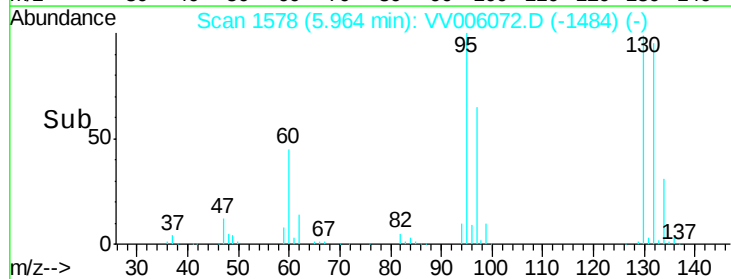
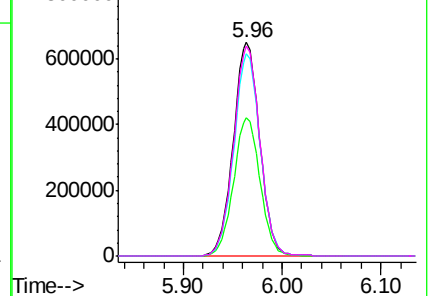


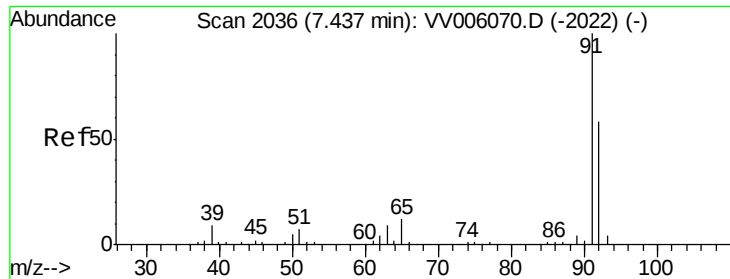
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0





#42

Toluene

Concen: 1.37 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV006072.D

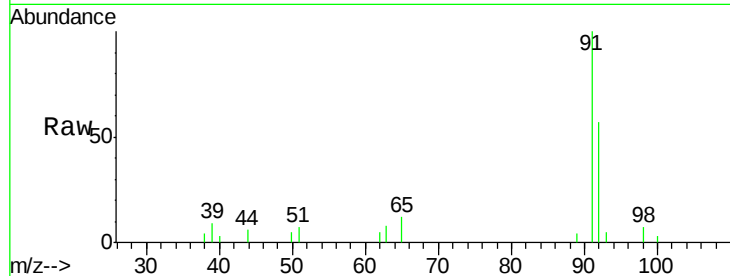
Acq: 26 May 2018 23:37

Tot Ion: 91 Resp: 6852

Ion Ratio Lower Upper

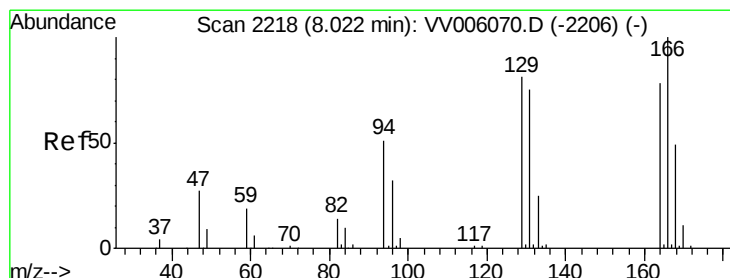
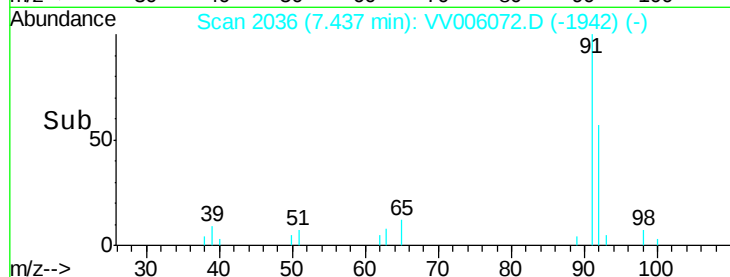
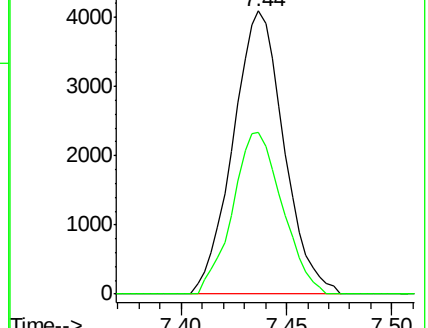
91 100

92 57.1 40.7 75.7



Abundance Ion 91.00 (90.70 to 91.70): VV006072.D (-2022) (-)

Ion 92.00 (91.70 to 92.70): VV006072.D (-2022) (-)



#46

Tetrachloroethene

Concen: 12.18 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VV006072.D

Acq: 26 May 2018 23:37

Tgt Ion: 164 Resp: 11315

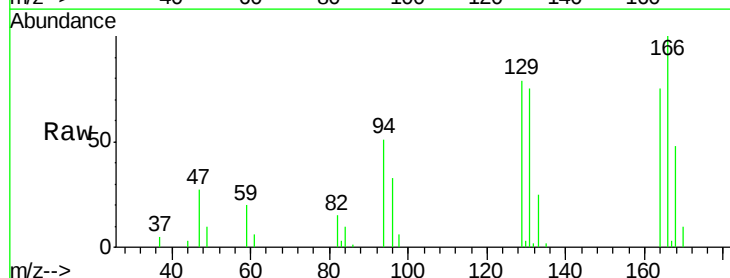
Ion Ratio Lower Upper

164 100

129 105.4 72.2 134.2

131 100.8 70.0 130.0

166 133.8 90.4 167.8



Abundance Ion 164.00 (163.70 to 164.70): VV006072.D (-2206) (-)

Ion 129.00 (128.70 to 129.70): VV006072.D (-2206) (-)

Ion 131.00 (130.70 to 131.70): VV006072.D (-2206) (-)

Ion 166.00 (165.70 to 166.70): VV006072.D (-2206) (-)

