

Data Path : W:\HPCHEM1\MSVOA V\DATA\VV052618\  
 Data File : VV006050.D  
 Acq On : 26 May 2018 12:51  
 Operator : SY/MD  
 Sample : J3090-01 100X  
 Misc : 5.0 mL/MSVOA V/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 28 02:12:58 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  | 168357   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 152229   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 63541    | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

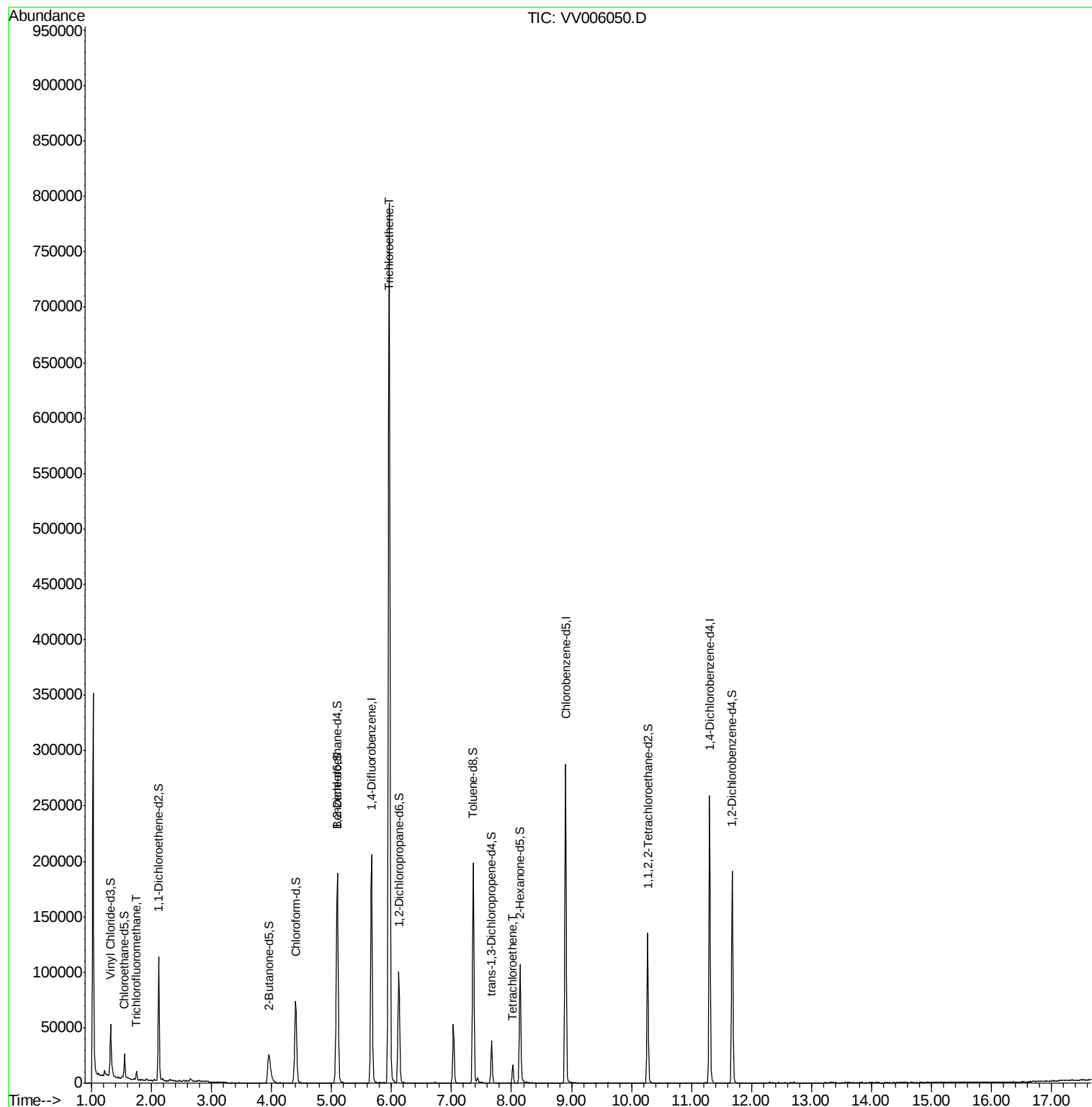
|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 38758    | 32.96    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 65.92%  |
| 7) Chloroethane-d5             | 1.55    | 69    | 10478    | 12.60    | ug/L | -0.02   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 25.20%# |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 56804    | 25.95    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 51.90%# |
| 21) 2-Butanone-d5              | 3.95    | 46    | 38845    | 57.68    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 57.68%  |
| 24) Chloroform-d               | 4.40    | 84    | 75298    | 33.97    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 67.94%# |
| 26) 1,2-Dichloroethane-d4      | 5.09    | 65    | 50248    | 34.73    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 69.46%# |
| 32) Benzene-d6                 | 5.10    | 84    | 148508   | 36.70    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 73.40%  |
| 36) 1,2-Dichloropropane-d6     | 6.12    | 67    | 47009    | 36.58    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 73.16%  |
| 41) Toluene-d8                 | 7.36    | 98    | 127354   | 34.02    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 68.04%# |
| 43) trans-1,3-Dichloropropene- | 7.67    | 79    | 19804    | 33.46    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 66.92%  |
| 47) 2-Hexanone-d5              | 8.14    | 63    | 34525    | 68.35    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 68.35%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27   | 84    | 63430    | 35.89    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 71.78%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.68   | 152   | 48224    | 38.16    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 76.32%# |

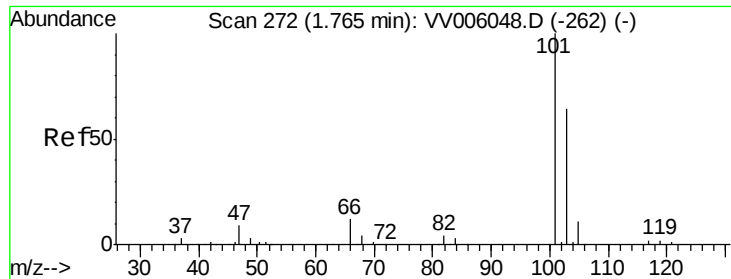
| Target Compounds          |      |     |        |             | Ovalue |
|---------------------------|------|-----|--------|-------------|--------|
| 9) Trichlorofluoromethane | 1.75 | 101 | 3575   | 1.79 ug/L   | 99     |
| 34) Trichloroethene       | 5.96 | 95  | 273507 | 222.76 ug/L | 98     |
| 46) Tetrachloroethene     | 8.02 | 164 | 3620   | 3.92 ug/L   | 93     |

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

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#9

Trichlorofluoromethane

Concen: 1.79 ug/L

RT: 1.75 min Scan# 267

Delta R.T. -0.02 min

Lab File: VV006050.D

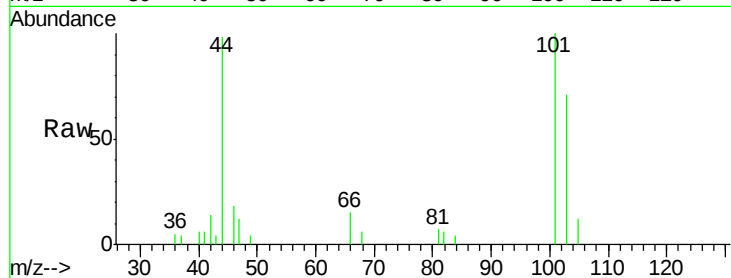
Acq: 26 May 2018 12:51

Tot Ion: 101 Resp: 3575

Ion Ratio Lower Upper

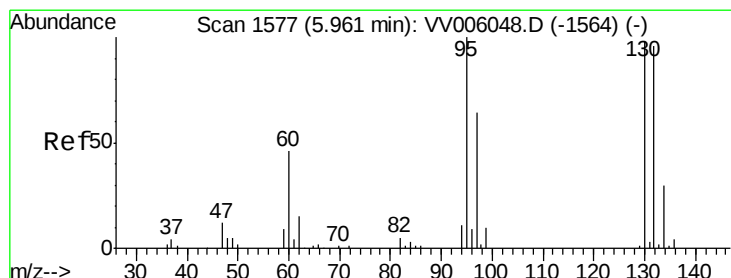
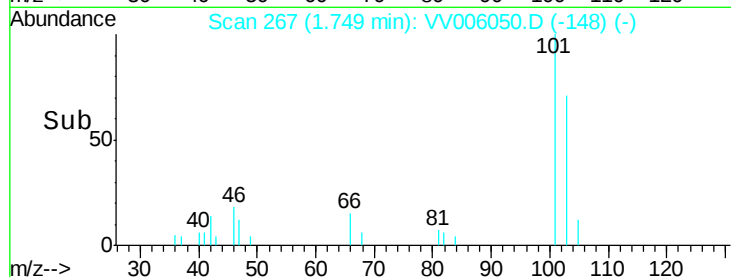
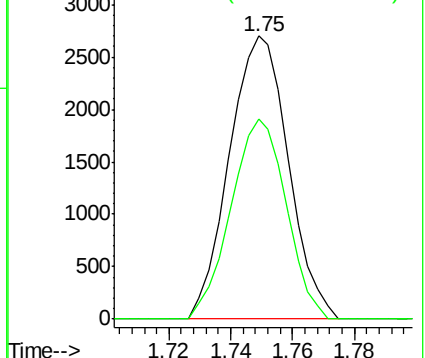
101 100

103 66.2 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: 222.76 ug/L

RT: 5.96 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VV006050.D

Acq: 26 May 2018 12:51

Tgt Ion: 95 Resp: 273507

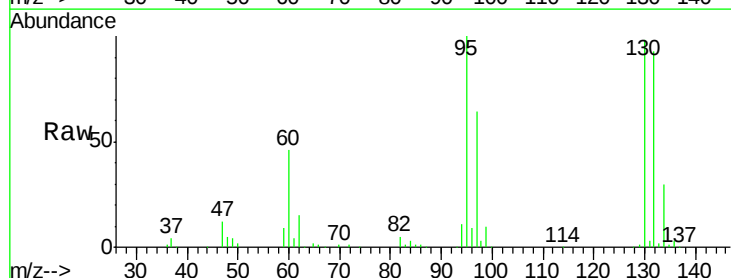
Ion Ratio Lower Upper

95 100

97 64.2 44.0 81.6

132 93.5 65.0 120.6

130 97.8 66.6 123.8

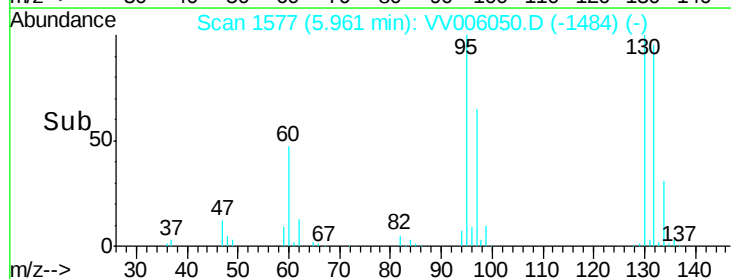
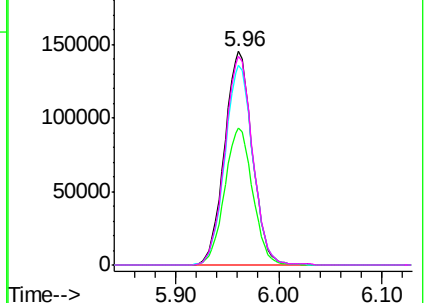


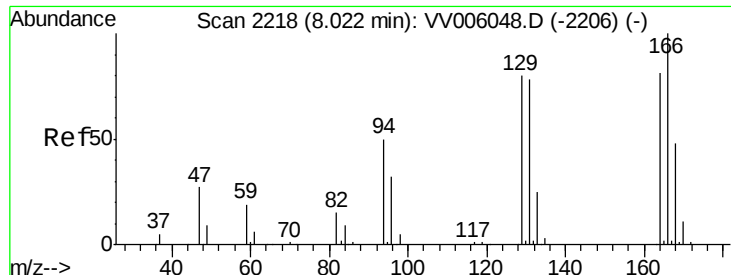
Abundance Ion 95.00 (94.70 to 95.70): VV0

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





#46

Tetrachloroethene

Concen: 3.92 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VV006050.D

Acq: 26 May 2018 12:51

Tot Ion:164 Resp: 3620

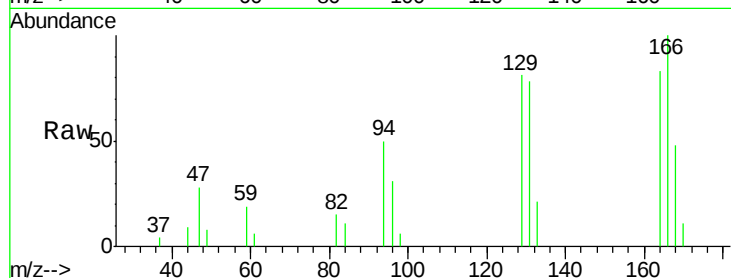
Ion Ratio Lower Upper

164 100

129 96.9 72.2 134.2

131 93.7 70.0 130.0

166 119.8 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

