

Data Path : W:\HPCHEM1\MSVOA V\DATA\VV052718\  
 Data File : VV006099.D  
 Acq On : 27 May 2018 21:17  
 Operator : SY/MD  
 Sample : J3090-04 500X  
 Misc : 5.0 mL/MSVOA V/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 28 01:12:58 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_V\METHOD\SOMVLM052718WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon May 28 00:47:58 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 253532   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 229600   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 95153    | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

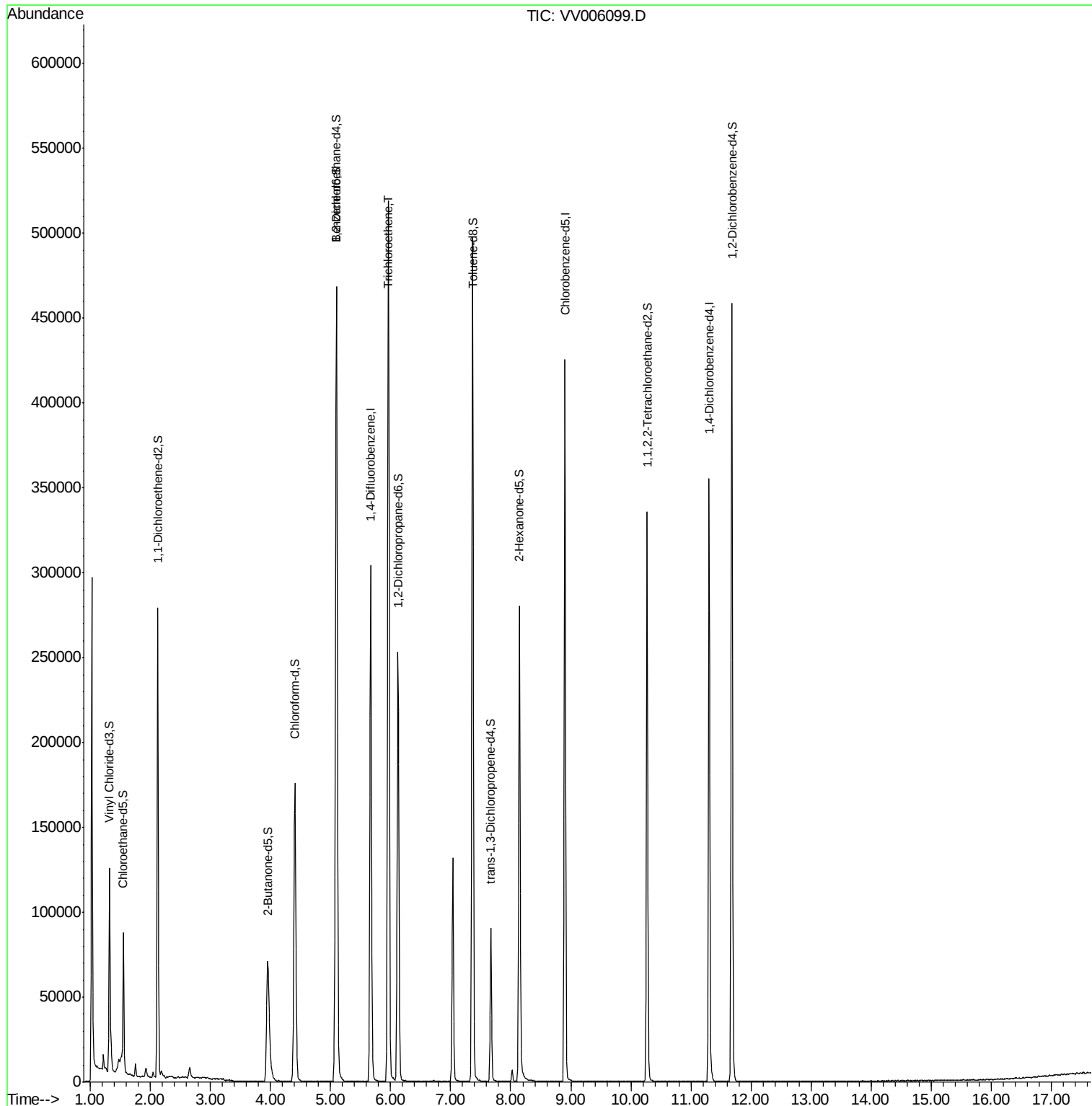
|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 98061    | 46.26    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 92.52%  |
| 7) Chloroethane-d5             | 1.55    | 69    | 38855    | 50.39    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 100.78% |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 142054   | 36.92    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 73.84%  |
| 21) 2-Butanone-d5              | 3.95    | 46    | 110890   | 103.56   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 103.56% |
| 24) Chloroform-d               | 4.41    | 84    | 176056   | 47.34    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.68%  |
| 26) 1,2-Dichloroethane-d4      | 5.09    | 65    | 119498   | 49.52    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 99.04%  |
| 32) Benzene-d6                 | 5.10    | 84    | 372062   | 50.16    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 100.32% |
| 36) 1,2-Dichloropropane-d6     | 6.12    | 67    | 123094   | 50.30    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 100.60% |
| 41) Toluene-d8                 | 7.37    | 98    | 328134   | 47.64    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 95.28%  |
| 43) trans-1,3-Dichloropropene- | 7.67    | 79    | 48565    | 46.11    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 92.22%  |
| 47) 2-Hexanone-d5              | 8.14    | 63    | 93081    | 97.30    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 97.30%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27   | 84    | 160883   | 46.26    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 92.52%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.68   | 152   | 123906   | 51.99    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 103.98% |

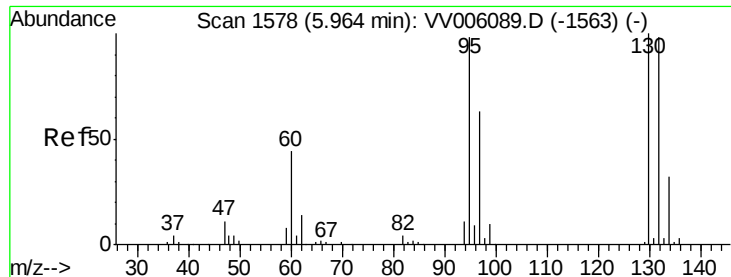
| Target Compounds    |      |    |        |            | Ovalue |
|---------------------|------|----|--------|------------|--------|
| 34) Trichloroethene | 5.96 | 95 | 177783 | 98.09 ug/L | 99     |

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

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#34

Trichloroethene

Concen: 98.09 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VV006099.D

Acq: 27 May 2018 21:17

Tot Ion: 95 Resp: 177783

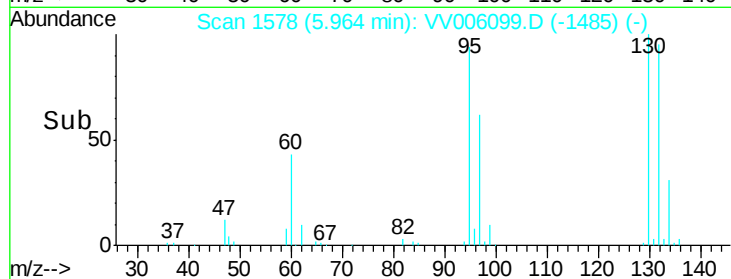
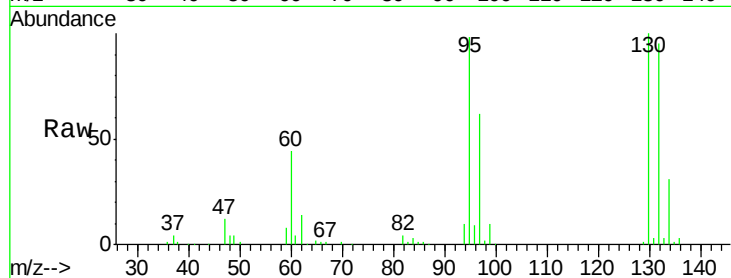
Ion Ratio Lower Upper

95 100

97 63.8 45.4 84.4

132 97.3 69.0 128.2

130 102.4 71.2 132.2



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): V

Ion 130.00 (129.70 to 130.70): V

150000

100000

50000

0

5.96

5.90 5.95 6.00 6.05

Time-->