

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU052618\  
 Data File : VU024176.D  
 Acq On : 27 May 2018 04:06  
 Operator : MD/SY  
 Sample : J3092-12 100X  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 35 Sample Multiplier: 1

Quant Time: May 28 02:44:05 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_U\METHOD\SOMULM052518WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon May 28 02:19:02 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 291791   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 277081   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 97504    | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

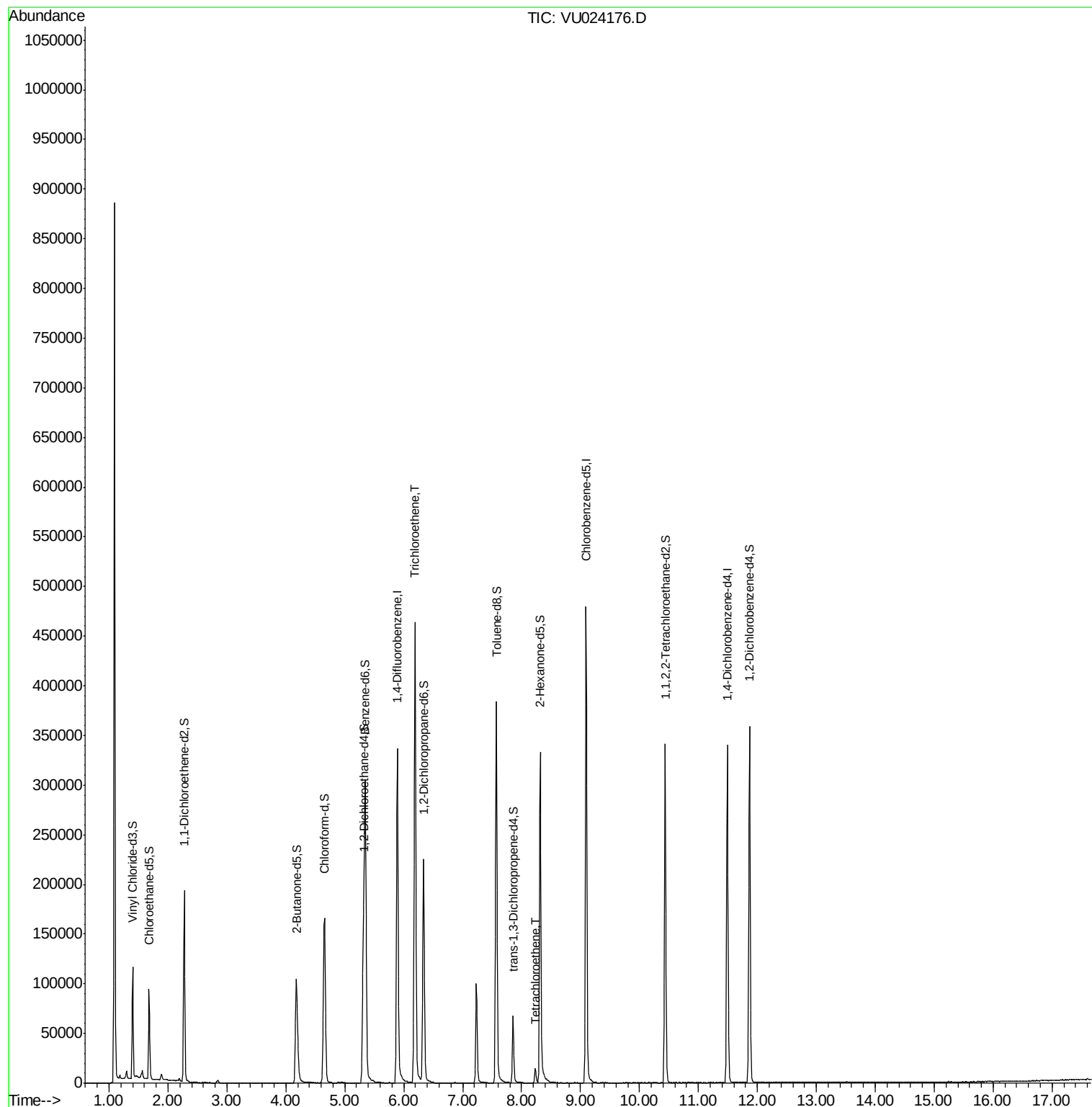
|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 73635    | 33.19    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 66.38%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 67122    | 38.10    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 76.20%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 111883   | 27.11    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 54.22%# |
| 21) 2-Butanone-d5              | 4.18    | 46    | 168099   | 95.32    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 95.32%  |
| 24) Chloroform-d               | 4.65    | 84    | 167595   | 42.16    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 84.32%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 111212   | 44.16    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 88.32%  |
| 32) Benzene-d6                 | 5.35    | 84    | 315490   | 41.14    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 82.28%  |
| 36) 1,2-Dichloropropane-d6     | 6.34    | 67    | 116829   | 44.45    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 88.90%  |
| 41) Toluene-d8                 | 7.57    | 98    | 266457   | 37.49    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 74.98%# |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 38769    | 37.10    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 74.20%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 116128   | 92.62    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 92.62%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.44   | 84    | 170910   | 44.58    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 89.16%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.87   | 152   | 101649   | 47.55    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 95.10%  |

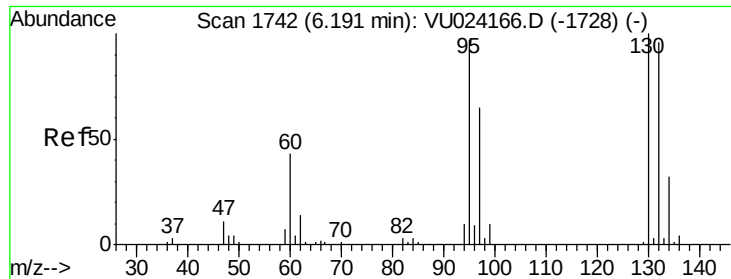
| Target Compounds      |      |     |        |            | Ovalue |
|-----------------------|------|-----|--------|------------|--------|
| 34) Trichloroethene   | 6.19 | 95  | 165398 | 63.83 ug/L | 98     |
| 46) Tetrachloroethene | 8.24 | 164 | 3689   | 2.04 ug/L  | 93     |

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

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#34

Trichloroethene

Concen: 63.83 ug/L

RT: 6.19 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VU024176.D

Acq: 27 May 2018 04:06

Tot Ion: 95 Resp: 165398

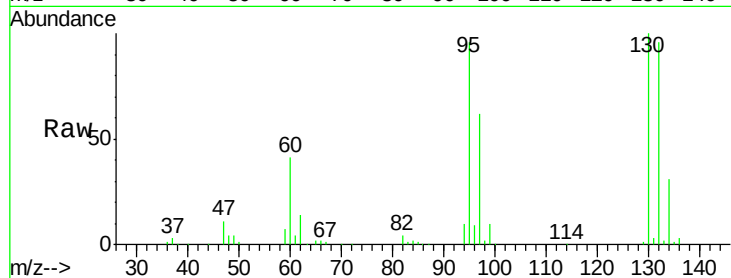
Ion Ratio Lower Upper

95 100

97 64.7 44.5 82.7

132 99.7 69.0 128.2

130 103.9 70.6 131.0

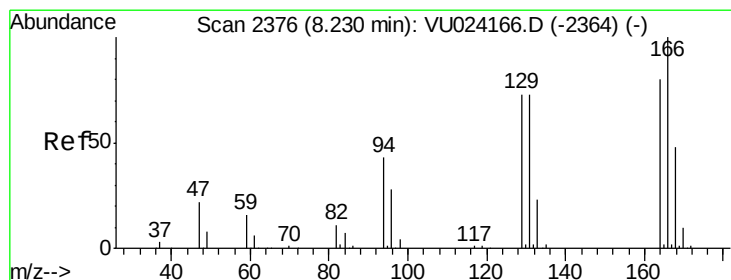
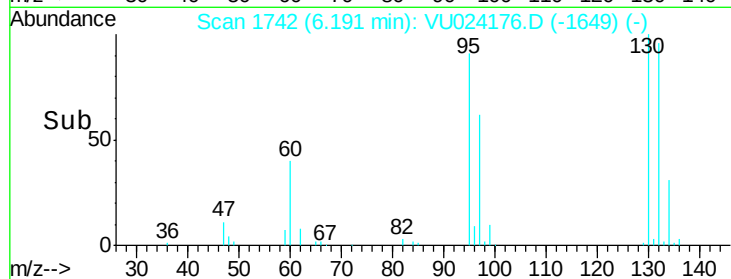
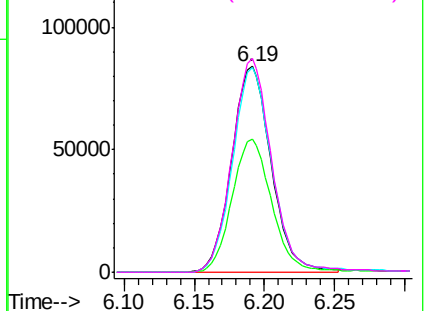


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#46

Tetrachloroethene

Concen: 2.04 ug/L

RT: 8.24 min Scan# 2378

Delta R.T. 0.01 min

Lab File: VU024176.D

Acq: 27 May 2018 04:06

Tgt Ion:164 Resp: 3689

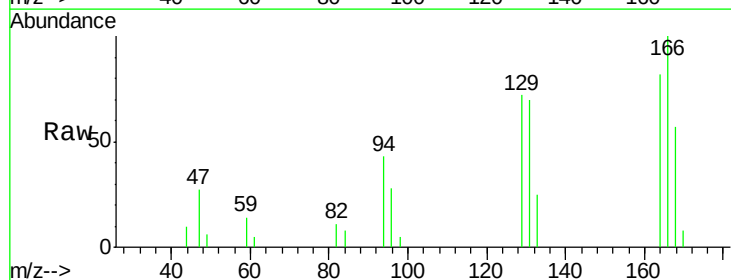
Ion Ratio Lower Upper

164 100

129 87.9 66.6 123.6

131 85.0 64.5 119.9

166 121.5 89.3 165.9



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

