

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU051118\  
 Data File : VU023802.D  
 Acq On : 11 May 2018 15:44  
 Operator : MD/SY  
 Sample : J2745-03  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 12 03:49:56 2018  
 Quant Method : W:\HPCHEM1\MSVOA U\METHOD\SOMUTR051018WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Sat May 12 02:07:11 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 123345   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 127877   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 56410    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

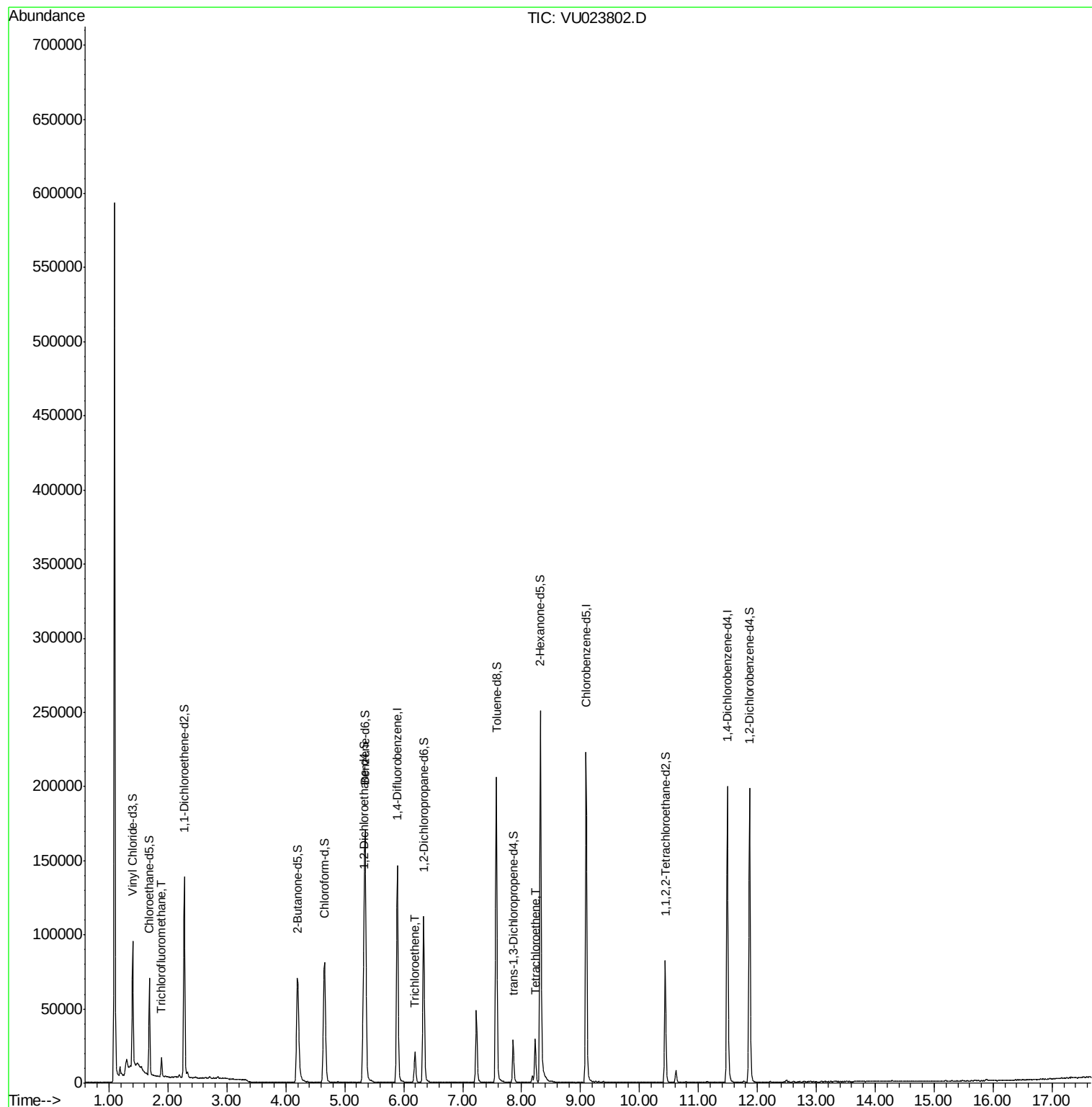
|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 54816    | 5.58     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 111.60% |
| 7) Chloroethane-d5             | 1.68   | 69    | 44226    | 6.09     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 121.80% |
| 11) 1,1-Dichloroethene-d2      | 2.27   | 63    | 77937    | 4.52     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 90.40%  |
| 20) 2-Butanone-d5              | 4.20   | 46    | 115364   | 50.34    | ug/L | -0.02   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 100.68% |
| 24) Chloroform-d               | 4.65   | 84    | 80127    | 5.02     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 100.40% |
| 26) 1,2-Dichloroethane-d4      | 5.32   | 65    | 45160    | 5.26     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 105.20% |
| 32) Benzene-d6                 | 5.35   | 84    | 170654   | 4.87     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 97.40%  |
| 36) 1,2-Dichloropropane-d6     | 6.34   | 67    | 56618    | 4.98     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 99.60%  |
| 41) Toluene-d8                 | 7.57   | 98    | 139762   | 4.32     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 86.40%  |
| 43) trans-1,3-Dichloropropene- | 7.86   | 79    | 17586    | 4.61     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 92.20%  |
| 46) 2-Hexanone-d5              | 8.32   | 63    | 84319    | 48.64    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 97.28%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.44  | 84    | 42220    | 5.10     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 102.00% |
| 64) 1,2-Dichlorobenzene-d4     | 11.87  | 152   | 56193    | 5.20     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 104.00% |

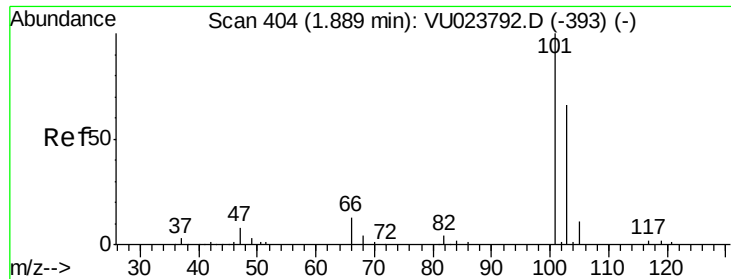
| Target Compounds          |      |     |      |      |      | Ovalue |
|---------------------------|------|-----|------|------|------|--------|
| 9) Trichlorofluoromethane | 1.89 | 101 | 6564 | 0.46 | ug/L | 97     |
| 34) Trichloroethene       | 6.19 | 95  | 7338 | 0.71 | ug/L | 97     |
| 47) Tetrachloroethene     | 8.23 | 164 | 7143 | 0.84 | ug/L | 96     |

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

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#9

Trichlorofluoromethane

Concen: 0.46 ug/L

RT: 1.89 min Scan# 404

Delta R.T. 0.00 min

Lab File: VU023802.D

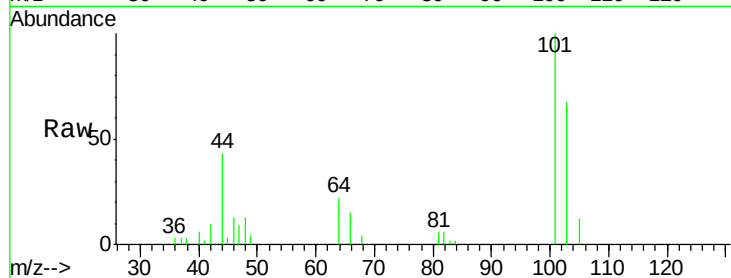
Acq: 11 May 2018 15:44

Tot Ion:101 Resp: 6564

Ion Ratio Lower Upper

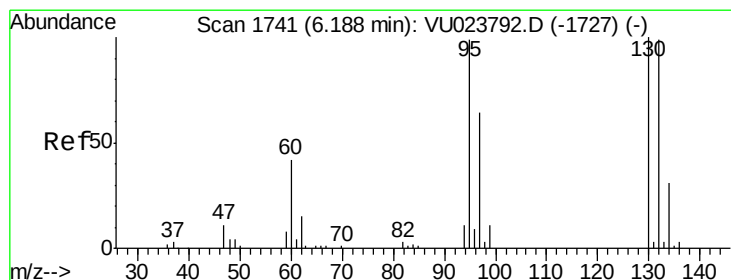
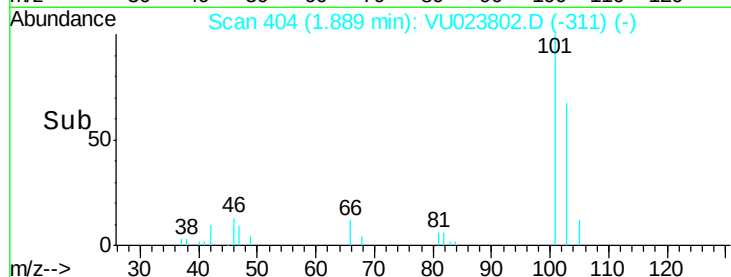
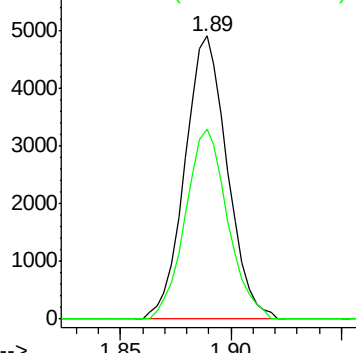
101 100

103 67.2 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#34

Trichloroethene

Concen: 0.71 ug/L

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU023802.D

Acq: 11 May 2018 15:44

Tgt Ion: 95 Resp: 7338

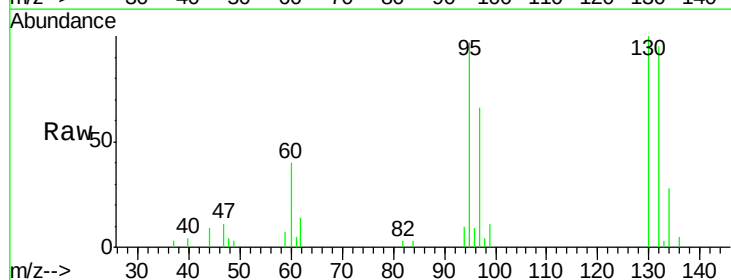
Ion Ratio Lower Upper

95 100

97 67.7 43.8 81.3

132 98.1 66.8 124.2

130 103.1 71.5 132.7

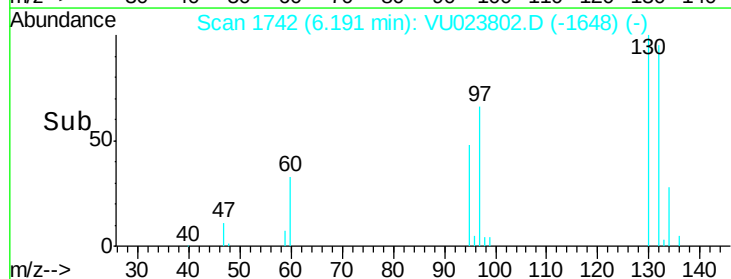
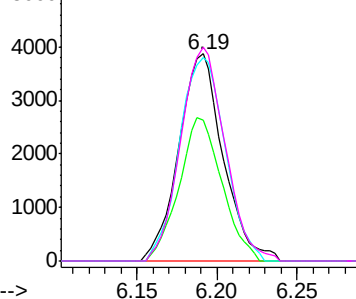


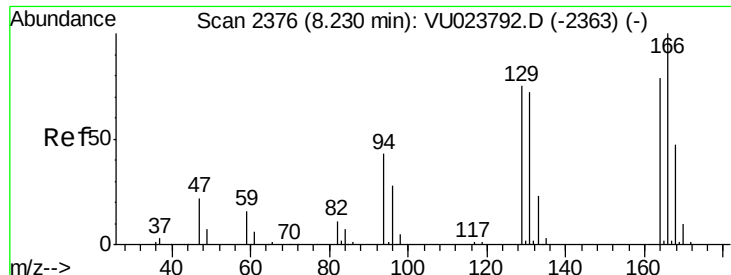
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V





#47

Tetrachloroethene

Concen: 0.84 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. 0.00 min

Lab File: VU023802.D

Acq: 11 May 2018 15:44

Tot Ion:164 Resp: 7143

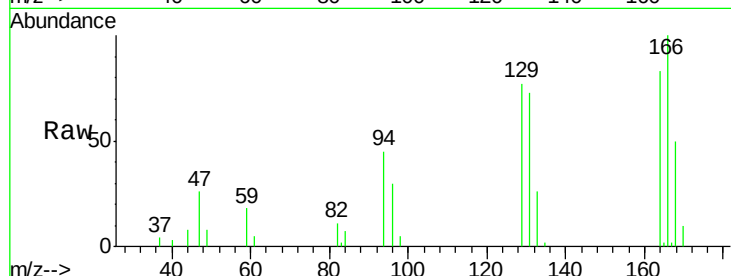
Ion Ratio Lower Upper

164 100

129 92.5 66.4 123.2

131 87.5 61.9 115.1

166 120.7 90.5 168.1



Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

