

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU083018\  
 Data File : VU026444.D  
 Acq On : 30 Aug 2018 14:12  
 Operator : MD/SY  
 Sample : J4691-10 50X  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BEE07

Quant Time: Aug 31 04:57:18 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM082918WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Aug 31 04:22:30 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 146252   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 138206   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 58255    | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 45376    | 50.08    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 100.16% |
| 7) Chloroethane-d5             | 1.68    | 69    | 39710    | 48.52    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 97.04%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 62059    | 30.41    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 60.82%  |
| 21) 2-Butanone-d5              | 4.18    | 46    | 66910    | 95.14    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 95.14%  |
| 24) Chloroform-d               | 4.65    | 84    | 78569    | 45.91    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 91.82%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 54935    | 48.21    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.42%  |
| 32) Benzene-d6                 | 5.35    | 84    | 159248   | 49.99    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 99.98%  |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 54928    | 50.20    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 100.40% |
| 41) Toluene-d8                 | 7.57    | 98    | 145913   | 47.45    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 94.90%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 23853    | 47.73    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 95.46%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 49028    | 97.69    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 97.69%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.44   | 84    | 76626    | 47.53    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 95.06%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 57710    | 54.60    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 109.20% |

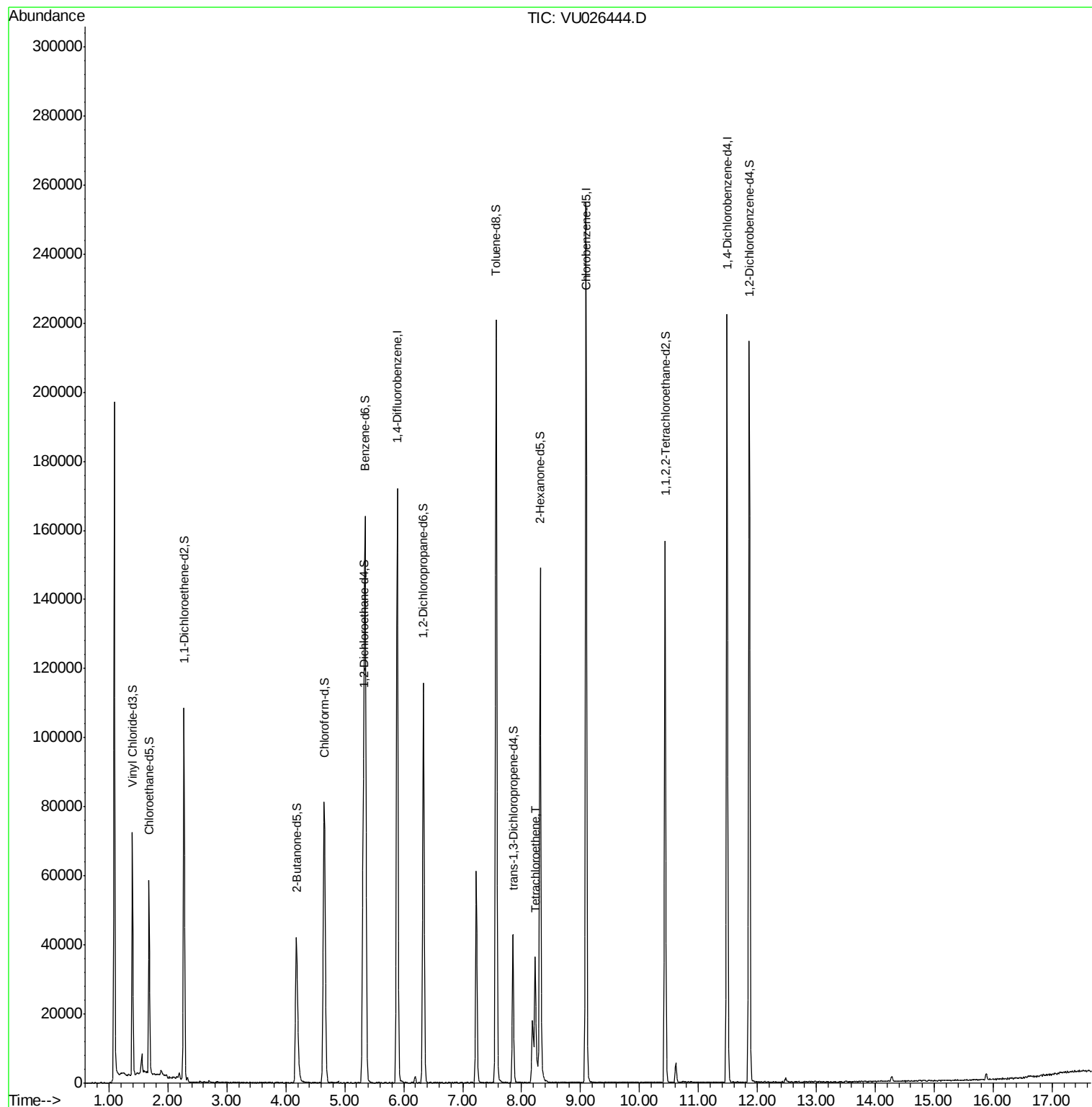
| Target Compounds      |      |     |      |           | Ovalue |
|-----------------------|------|-----|------|-----------|--------|
| 46) Tetrachloroethene | 8.23 | 164 | 7041 | 8.67 ug/L | 93     |

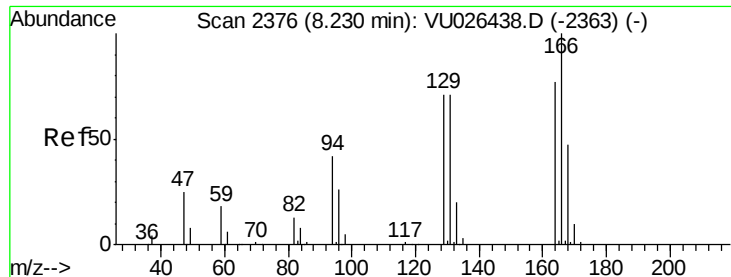
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#46

Tetrachloroethene

Concen: 8.67 ug/L

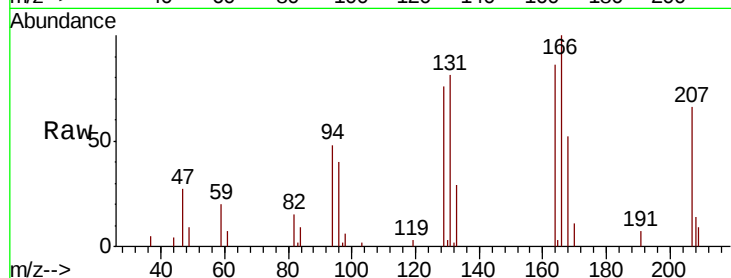
RT: 8.23 min Scan# 2376

Delta R.T. -0.00 min

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Tot Ion:164 Resp: 7041

Ion Ratio Lower Upper

164 100

129 87.7 67.3 125.1

131 93.5 65.3 121.3

166 116.0 90.9 168.7

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

