

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU083018\  
 Data File : VU026472.D  
 Acq On : 31 Aug 2018 01:28  
 Operator : MD/SY  
 Sample : J4694-11 50X  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BEE29

Quant Time: Aug 31 06:43:20 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM082918WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Aug 31 05:38:13 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 152747   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 142790   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 60856    | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 40163    | 42.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 84.88%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 37385    | 43.74    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 87.48%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 58679    | 27.53    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 55.06%# |
| 21) 2-Butanone-d5              | 4.18    | 46    | 66681    | 90.78    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 90.78%  |
| 24) Chloroform-d               | 4.65    | 84    | 76672    | 42.89    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 85.78%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 52451    | 44.08    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 88.16%  |
| 32) Benzene-d6                 | 5.34    | 84    | 150906   | 45.85    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 91.70%  |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 52033    | 46.02    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 92.04%  |
| 41) Toluene-d8                 | 7.57    | 98    | 138313   | 43.54    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 87.08%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 21869    | 42.36    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 84.72%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 47890    | 92.36    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 92.36%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 72970    | 43.81    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 87.62%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 54380    | 49.25    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 98.50%  |

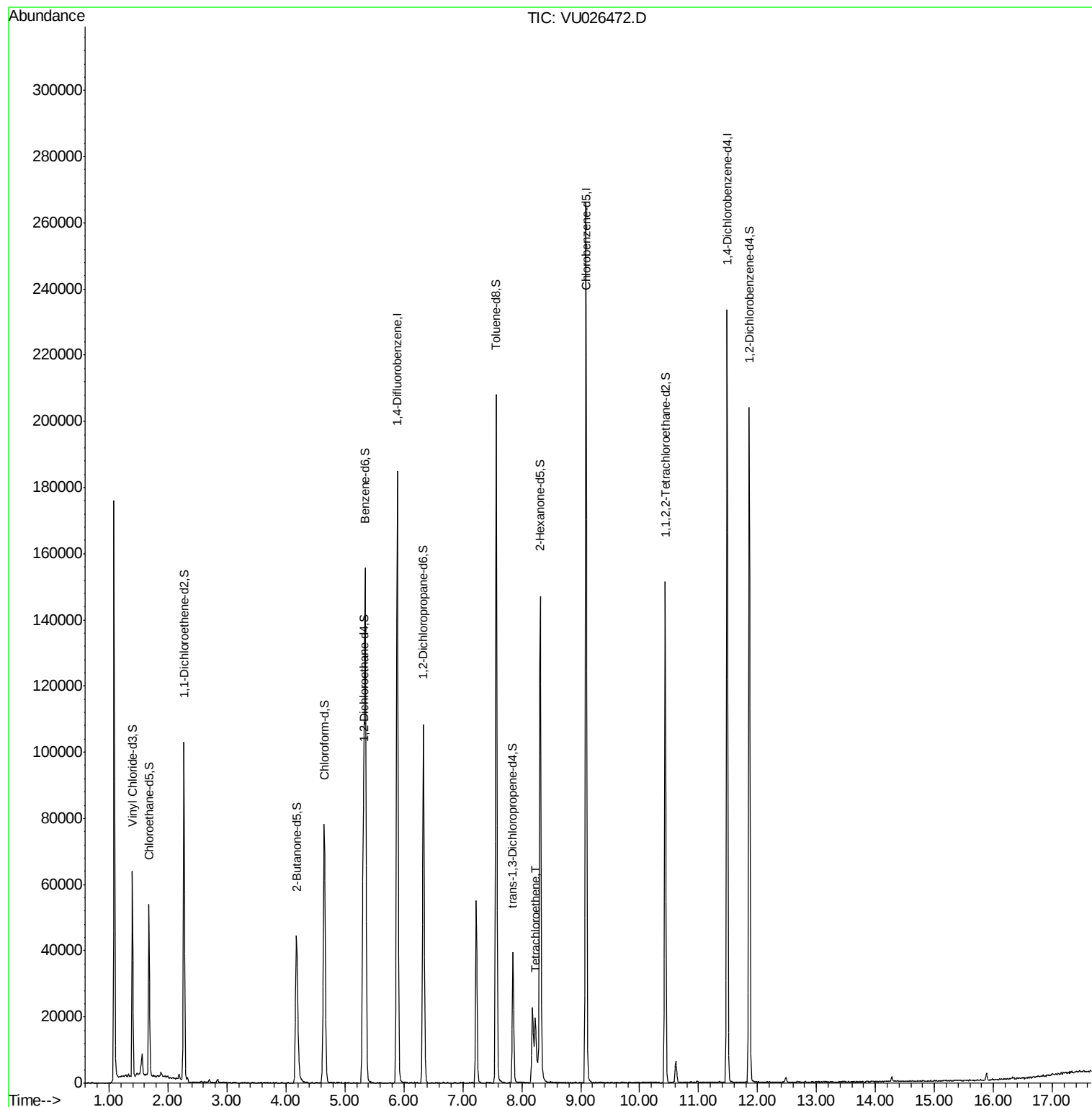
| Target Compounds      |      |     |      |           | Ovalue |
|-----------------------|------|-----|------|-----------|--------|
| 46) Tetrachloroethene | 8.23 | 164 | 2792 | 3.33 ug/L | 95     |

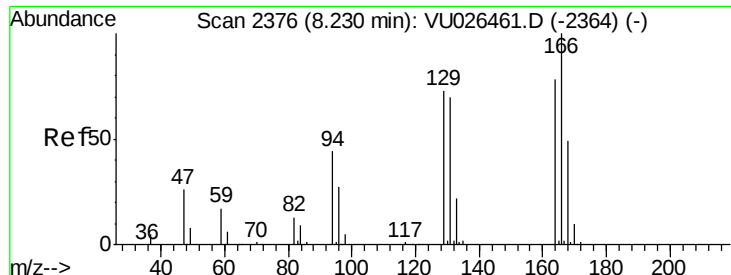
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#46

Tetrachloroethene

Concen: 3.33 ug/L

RT: 8.23 min Scan# 2375

Delta R.T. -0.00 min

Lab File: VU026472.D

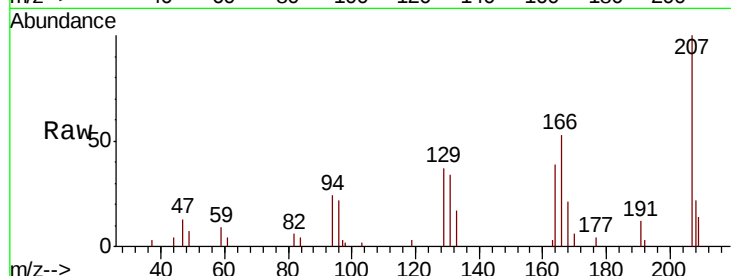
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Tot Ion:164 Resp: 2792

Ion Ratio Lower Upper

164 100

129 94.1 67.3 125.1

131 86.6 65.3 121.3

166 136.5 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

