

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU051319\  
 Data File : VU031978.D  
 Acq On : 13 May 2019 19:06  
 Operator : JC/SP  
 Sample : K2744-19  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 F9D21

Quant Time: May 24 08:52:08 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR050819WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue May 14 02:38:02 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 491714   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 490663   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 180917   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 112779   | 3.37     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 67.40%  |
| 7) Chloroethane-d5             | 1.68   | 69    | 118409   | 4.28     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 85.60%  |
| 11) 1,1-Dichloroethene-d2      | 2.27   | 63    | 179163   | 2.48     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 49.60%# |
| 20) 2-Butanone-d5              | 4.18   | 46    | 511395   | 39.09    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 78.18%  |
| 24) Chloroform-d               | 4.64   | 84    | 264175   | 3.84     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 76.80%  |
| 26) 1,2-Dichloroethane-d4      | 5.31   | 65    | 153737   | 3.69     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 73.80%  |
| 32) Benzene-d6                 | 5.33   | 84    | 521263   | 4.15     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 83.00%  |
| 36) 1,2-Dichloropropane-d6     | 6.33   | 67    | 183853   | 3.99     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 79.80%  |
| 41) Toluene-d8                 | 7.56   | 98    | 392179   | 3.65     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 73.00%  |
| 43) trans-1,3-Dichloropropene- | 7.85   | 79    | 48787    | 3.01     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 60.20%  |
| 46) 2-Hexanone-d5              | 8.31   | 63    | 363033   | 44.35    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 88.70%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43  | 84    | 161707   | 4.50     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 90.00%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86  | 152   | 144880   | 4.84     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 96.80%  |

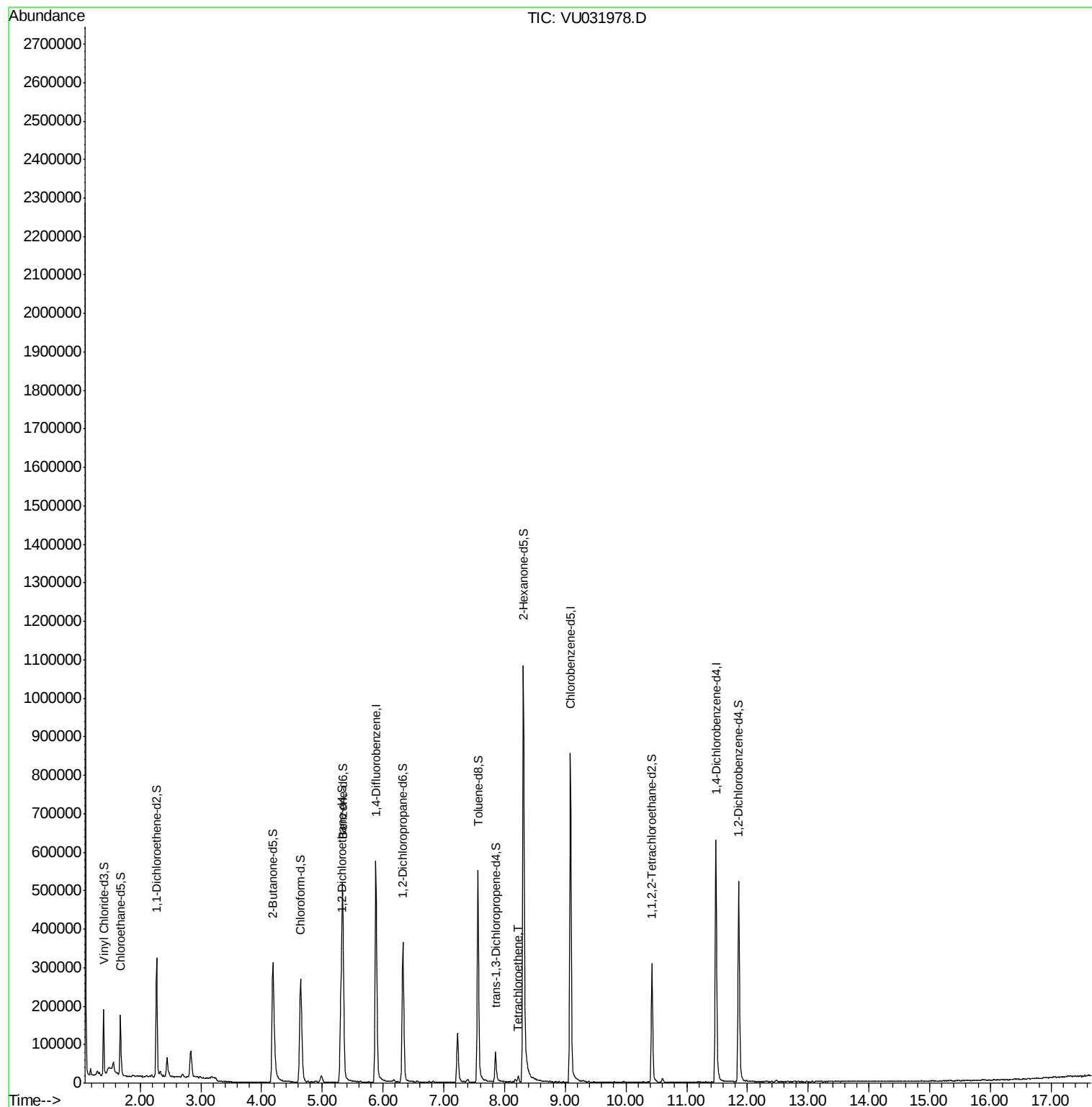
| Target Compounds      |      |     |      |            | Ovalue |
|-----------------------|------|-----|------|------------|--------|
| 47) Tetrachloroethene | 8.22 | 164 | 3589 | 0.128 ug/L | 86     |

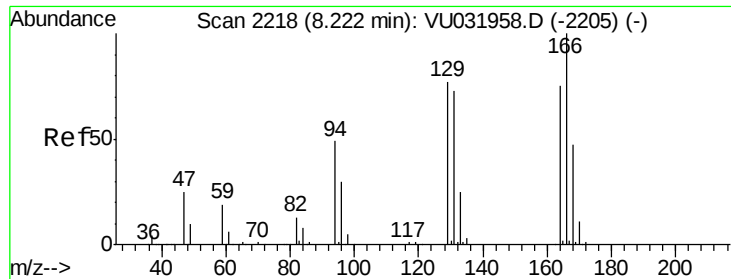
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#47  
Tetrachloroethene  
Concen: 0.128 ug/L  
RT: 8.22 min Scan# 2219  
Delta R.T. 0.00 min  
Lab File: VU031978.D  
Acq: 13 May 2019 19:06

Instrument :  
MSVOA\_U  
ClientSampleId :  
F9D21

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 164   | Resp: | 3589  |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 113.3 | 70.3  | 130.5 |
| 131      | 105.6 | 65.4  | 121.4 |
| 166      | 104.7 | 86.0  | 159.8 |

