

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041819\  
 Data File : VU031283.D  
 Acq On : 18 Apr 2019 02:21  
 Operator : JC/SP  
 Sample : K2452-01  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 YAMZ1

Quant Time: Apr 18 09:48:13 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR041819WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Apr 18 08:39:25 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 240276   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 235242   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 91876    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 119853   | 6.05     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 121.00% |
| 7) Chloroethane-d5             | 1.68   | 69    | 96000    | 5.84     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 116.80% |
| 11) 1,1-Dichloroethene-d2      | 2.27   | 63    | 170841   | 4.18     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 83.60%  |
| 20) 2-Butanone-d5              | 4.21   | 46    | 273542   | 59.62    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 119.24% |
| 24) Chloroform-d               | 4.64   | 84    | 158052   | 5.49     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 109.80% |
| 26) 1,2-Dichloroethane-d4      | 5.31   | 65    | 88045    | 5.98     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 119.60% |
| 32) Benzene-d6                 | 5.33   | 84    | 322948   | 5.05     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 101.00% |
| 36) 1,2-Dichloropropane-d6     | 6.33   | 67    | 105803   | 5.26     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 105.20% |
| 41) Toluene-d8                 | 7.56   | 98    | 274432   | 4.63     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 92.60%  |
| 43) trans-1,3-Dichloropropene- | 7.85   | 79    | 37126    | 4.58     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 91.60%  |
| 46) 2-Hexanone-d5              | 8.31   | 63    | 207532   | 52.17    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 104.34% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43  | 84    | 82601    | 5.24     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 104.80% |
| 64) 1,2-Dichlorobenzene-d4     | 11.86  | 152   | 98324    | 5.71     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 114.20% |

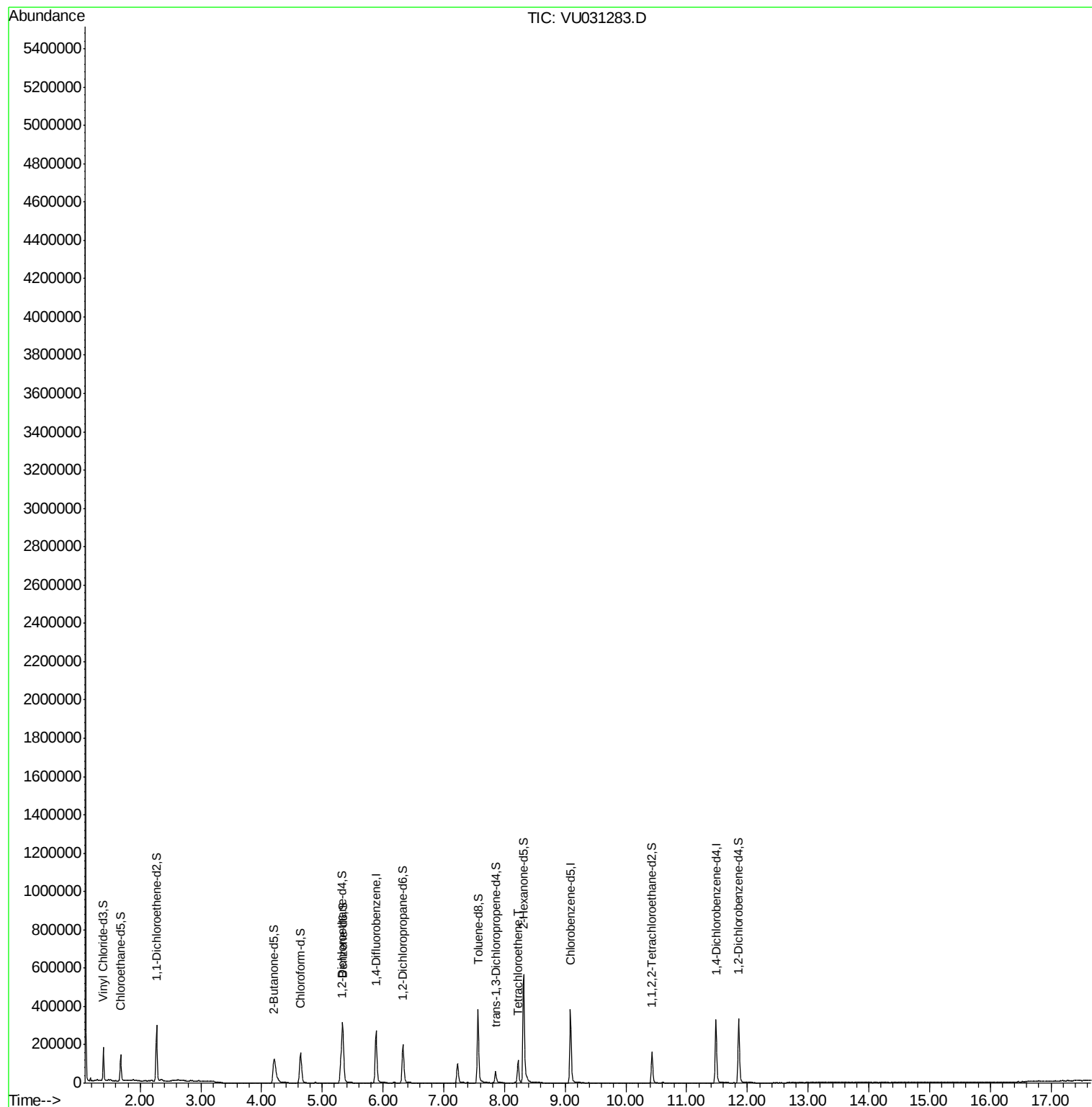
| Target Compounds      |      |     |       |            | Ovalue |
|-----------------------|------|-----|-------|------------|--------|
| 47) Tetrachloroethene | 8.22 | 164 | 30932 | 2.123 ug/L | 86     |

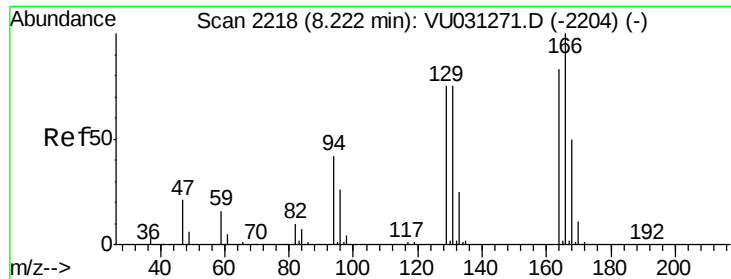
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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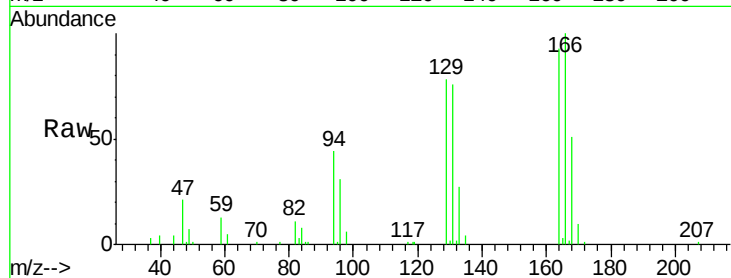




#47  
 Tetrachloroethene  
 Concen: 2.123 ug/L  
 RT: 8.22 min Scan# 2219  
 Delta R.T. 0.00 min  
 Lab File: VU031283.D  
 Acq: 18 Apr 2019 02:21

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|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 164   | Resp: | 30932 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 83.5  | 65.2  | 121.2 |
| 131      | 80.9  | 61.9  | 114.9 |
| 166      | 107.1 | 91.2  | 169.4 |



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

