

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070219\  
 Data File : VU033156.D  
 Acq On : 02 Jul 2019 21:24  
 Operator : JC/SP  
 Sample : K3597-19DL 100X  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GAM76DL

Quant Time: Jul 03 04:13:35 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR070219WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Jul 03 02:14:33 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 84840    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 88155    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 40244    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 34656    | 7.06     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 141.20%# |
| 7) Chloroethane-d5             | 1.68   | 69    | 27994    | 6.23     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 124.60%  |
| 11) 1,1-Dichloroethene-d2      | 2.27   | 63    | 53210    | 4.60     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 92.00%   |
| 20) 2-Butanone-d5              | 4.19   | 46    | 96473    | 53.96    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 107.92%  |
| 24) Chloroform-d               | 4.64   | 84    | 63079    | 5.47     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 109.40%  |
| 26) 1,2-Dichloroethane-d4      | 5.31   | 65    | 37397    | 5.62     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 112.40%  |
| 32) Benzene-d6                 | 5.33   | 84    | 118141   | 5.58     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 111.60%  |
| 36) 1,2-Dichloropropane-d6     | 6.32   | 67    | 38759    | 5.51     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 110.20%  |
| 41) Toluene-d8                 | 7.56   | 98    | 101072   | 4.97     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 99.40%   |
| 43) trans-1,3-Dichloropropene- | 7.85   | 79    | 14843    | 4.90     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 98.00%   |
| 46) 2-Hexanone-d5              | 8.31   | 63    | 59230    | 47.47    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 94.94%   |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43  | 84    | 31880    | 5.16     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 103.20%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.85  | 152   | 40828    | 5.64     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 112.80%  |

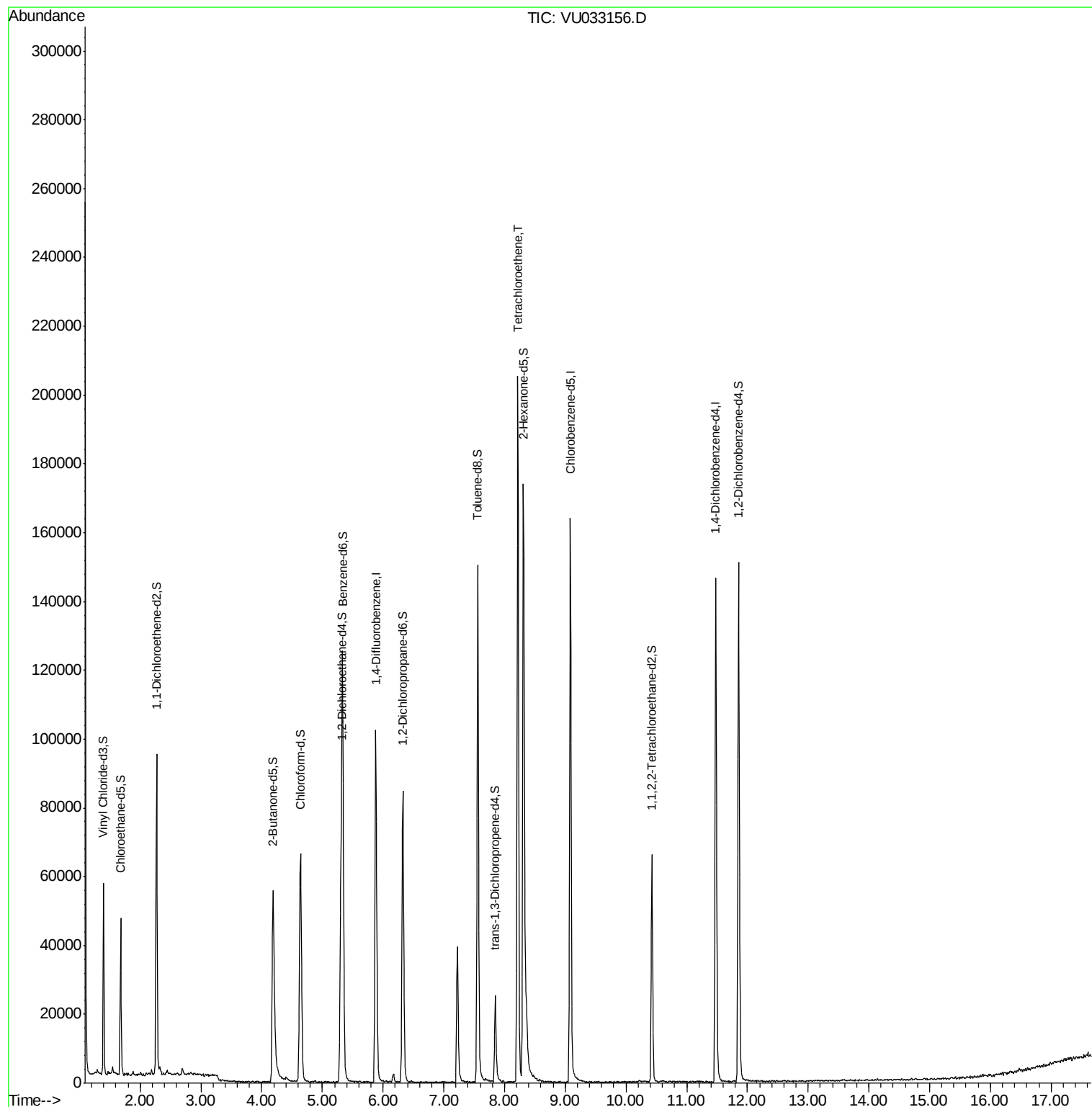
| Target Compounds      |      |     |       |            | Ovalue |
|-----------------------|------|-----|-------|------------|--------|
| 47) Tetrachloroethene | 8.22 | 164 | 44501 | 7.559 ug/L | 98     |

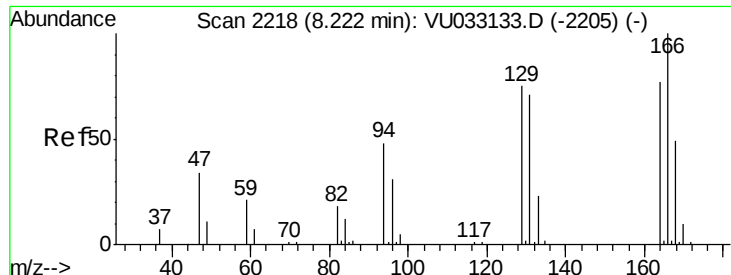
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#47

Tetrachloroethene

Concen: 7.559 ug/L

RT: 8.22 min Scan# 2217

Delta R.T. -0.00 min

Lab File: VU033156.D

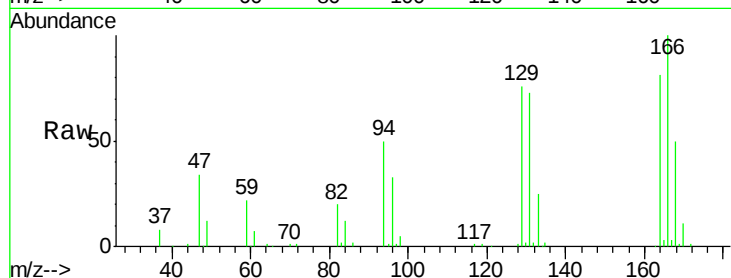
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Tot Ion:164 Resp: 44501

Ion Ratio Lower Upper

164 100

129 93.8 65.3 121.3

131 90.2 60.3 112.1

166 122.8 86.9 161.3

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

