

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040919\  
 Data File : VU030896.D  
 Acq On : 08 Apr 2019 11:33  
 Operator : JC/SP  
 Sample : K2276-17ME  
 Misc : 5.64g/5mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BF144ME

Manual Integrations  
 APPROVED

MMDadoda  
 4/9/2019 11:03:29 AM

Quant Time: Apr 09 02:30:26 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM040519WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Apr 09 02:16:31 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 634170   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 639014   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 297508   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 223736   | 39.52    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 79.04%  |
| 7) Chloroethane-d5             | 1.64    | 69    | 177651   | 41.35    | ug/L | -0.04   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 82.70%  |
| 11) 1,1-Dichloroethene-d2      | 2.23    | 63    | 364961m  | 35.64    | ug/L | -0.04   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 71.28%  |
| 21) 2-Butanone-d5              | 4.19    | 46    | 459849   | 102.49   | ug/L | 0.02    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 102.49% |
| 24) Chloroform-d               | 4.64    | 84    | 416528   | 48.17    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.34%  |
| 26) 1,2-Dichloroethane-d4      | 5.30    | 65    | 313521   | 53.13    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 106.26% |
| 32) Benzene-d6                 | 5.33    | 84    | 889033   | 47.66    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.32%  |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 309886   | 48.47    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 96.94%  |
| 41) Toluene-d8                 | 7.56    | 98    | 766044   | 46.33    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 92.66%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 140566   | 48.22    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 96.44%  |
| 47) 2-Hexanone-d5              | 8.32    | 63    | 335428   | 114.80   | ug/L | 0.01    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 114.80% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 476601   | 55.27    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 110.54% |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 305287   | 52.18    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 104.36% |

| Target Compounds      |      |     |       |            | Ovalue |
|-----------------------|------|-----|-------|------------|--------|
| 46) Tetrachloroethene | 8.22 | 164 | 14412 | 3.865 ug/L | 97     |

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

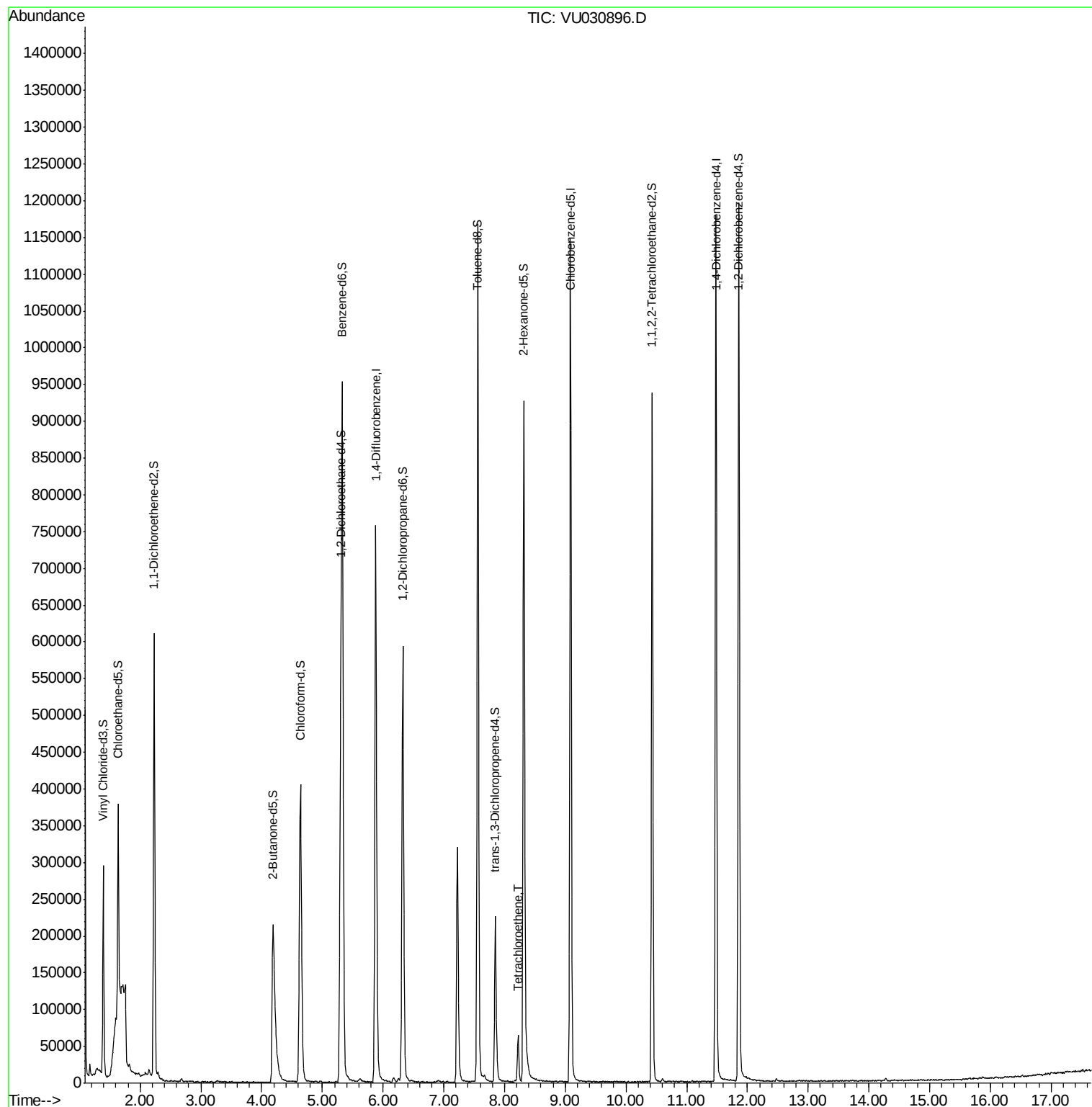
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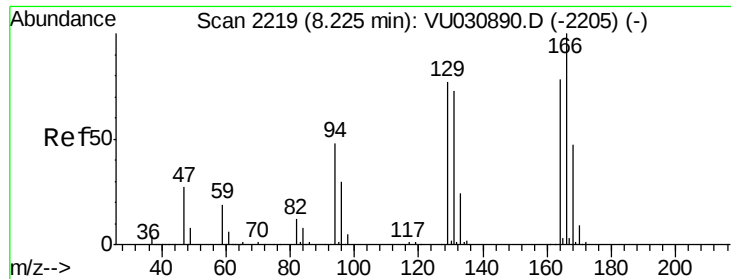
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#46

Tetrachloroethene

Concen: 3.865 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU030896.D

Acq: 08 Apr 2019 11:33

Instrument :

MSVOA\_U

ClientSampleId :

BF144ME

Tot Ion:164 Resp: 14412

Ion Ratio Lower Upper

164 100

129 96.0 67.4 125.2

131 92.7 65.9 122.5

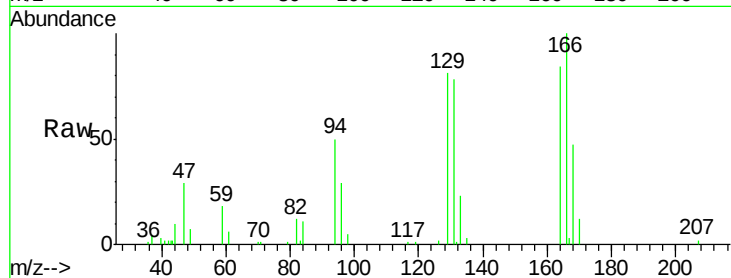
166 118.6 88.6 164.6

Manual Integrations

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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

