

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU122718\  
 Data File : VU028960.D  
 Acq On : 27 Dec 2018 11:32  
 Operator : MD/SY  
 Sample : J6506-15ME  
 Misc : 5.73g/5mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BEZY5ME

Quant Time: Dec 28 01:11:42 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM122018WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Dec 28 00:46:50 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 276992   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 261691   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 130594   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 63929    | 28.79    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 57.58%# |
| 7) Chloroethane-d5             | 1.64    | 69    | 35170    | 20.51    | ug/L | -0.03   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 41.02%# |
| 11) 1,1-Dichloroethene-d2      | 2.23    | 63    | 98803    | 26.46    | ug/L | -0.04   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 52.92%# |
| 21) 2-Butanone-d5              | 4.19    | 46    | 127121   | 81.71    | ug/L | 0.02    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 81.71%  |
| 24) Chloroform-d               | 4.64    | 84    | 138111   | 39.55    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 79.10%  |
| 26) 1,2-Dichloroethane-d4      | 5.30    | 65    | 87867    | 40.82    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 81.64%  |
| 32) Benzene-d6                 | 5.33    | 84    | 297159   | 40.19    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 80.38%  |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 99695    | 39.69    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 79.38%  |
| 41) Toluene-d8                 | 7.56    | 98    | 274840   | 41.02    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 82.04%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 48717    | 43.29    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 86.58%  |
| 47) 2-Hexanone-d5              | 8.32    | 63    | 117817   | 98.77    | ug/L | 0.02    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 98.77%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 166411   | 47.76    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 95.52%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 120948   | 45.79    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 91.58%  |

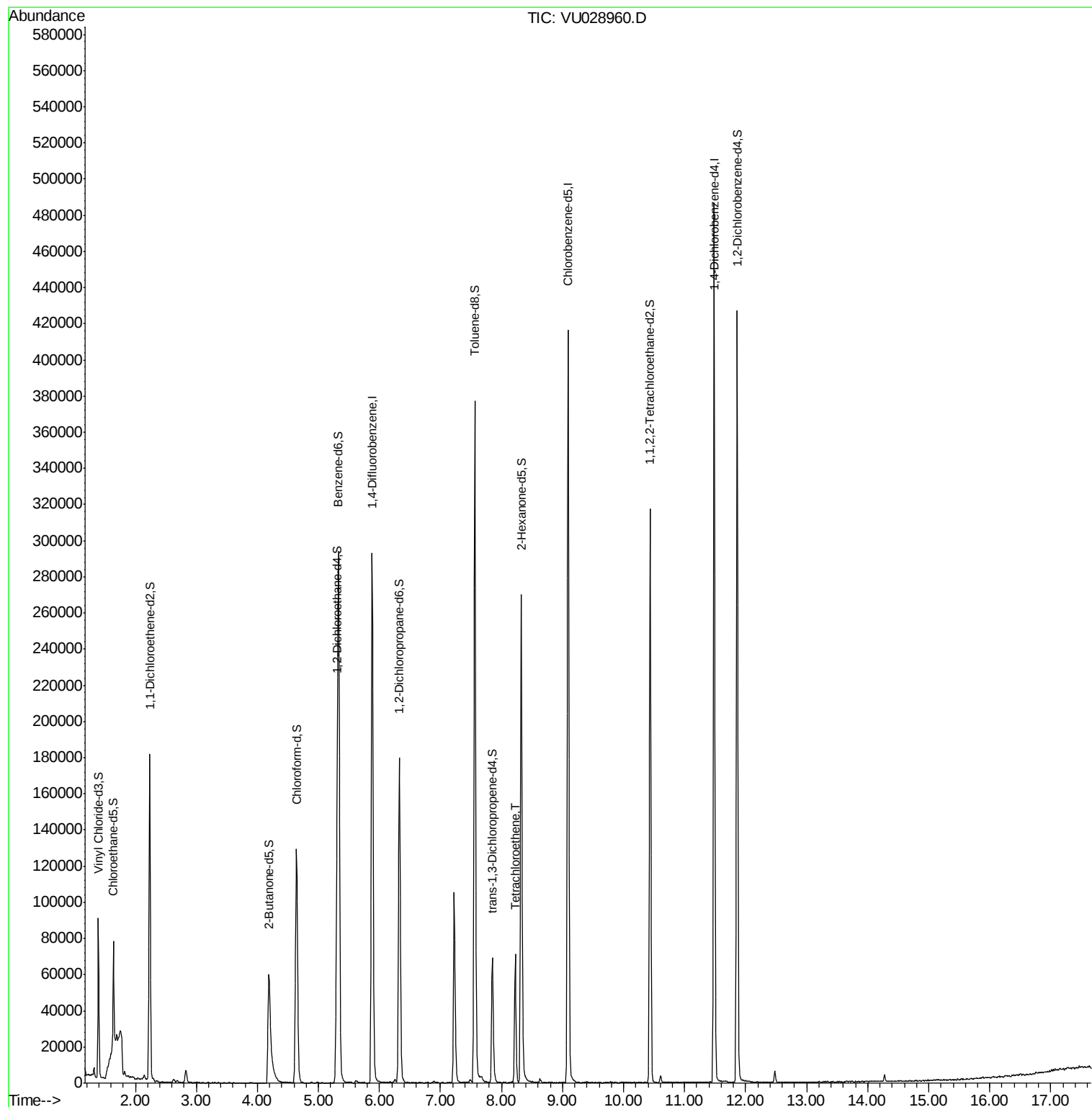
| Target Compounds      |      |     |       |             | Ovalue |
|-----------------------|------|-----|-------|-------------|--------|
| 46) Tetrachloroethene | 8.22 | 164 | 18077 | 11.669 ug/L | 96     |

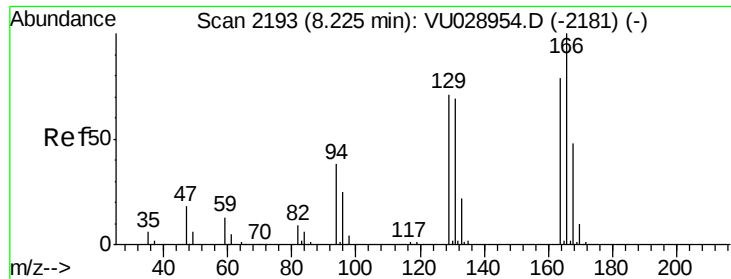
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 28 00:46:50 2018  
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#46

Tetrachloroethene

Concen: 11.669 ug/L

RT: 8.22 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU028960.D

Acq: 27 Dec 2018 11:32

Instrument :  
MSVOA\_U  
ClientSampleId :  
BEZY5ME

Tot Ion:164 Resp: 18077

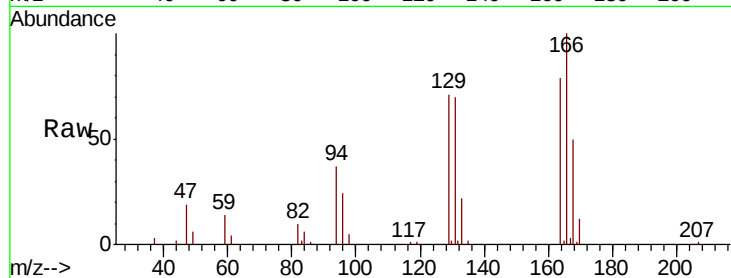
Ion Ratio Lower Upper

164 100

129 89.5 66.8 124.0

131 89.0 64.2 119.2

166 126.5 90.8 168.6



Abundance Ion 164.00 (163.70 to 164.70): V  
20000  
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

