

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041219\  
 Data File : VU031150.D  
 Acq On : 12 Apr 2019 23:36  
 Operator : JC/SP  
 Sample : K2409-02  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFC23

Quant Time: Apr 13 04:09:41 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM040519WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Apr 13 01:01:33 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 493008   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 492390   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 204589   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |        |
|--------------------------------|---------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 198162   | 45.03    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 90.06% |
| 7) Chloroethane-d5             | 1.68    | 69    | 152388   | 45.62    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 91.24% |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 267890   | 33.65    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 67.30% |
| 21) 2-Butanone-d5              | 4.17    | 46    | 291264   | 83.50    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 83.50% |
| 24) Chloroform-d               | 4.64    | 84    | 317394   | 47.21    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.42% |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 213426   | 46.53    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.06% |
| 32) Benzene-d6                 | 5.34    | 84    | 636947   | 44.31    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 88.62% |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 215583   | 43.76    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 87.52% |
| 41) Toluene-d8                 | 7.56    | 98    | 542582   | 42.59    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 85.18% |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 93573    | 41.66    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 83.32% |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 179297   | 79.63    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 79.63% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 296878   | 44.68    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 89.36% |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 198500   | 49.33    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 98.66% |

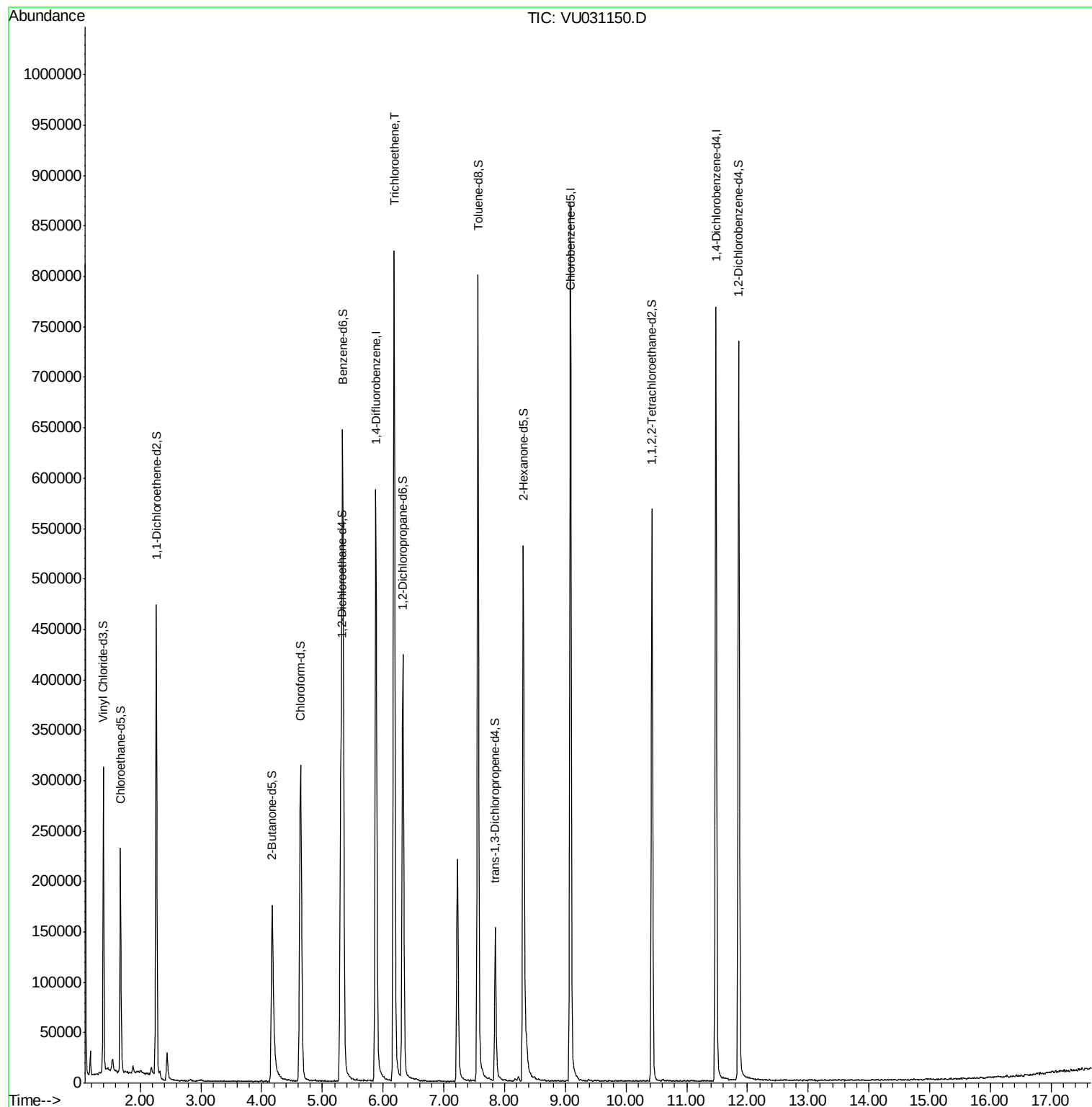
| Target Compounds    |      |    |        |             | Ovalue |
|---------------------|------|----|--------|-------------|--------|
| 34) Trichloroethene | 6.18 | 95 | 302476 | 76.537 ug/L | 97     |

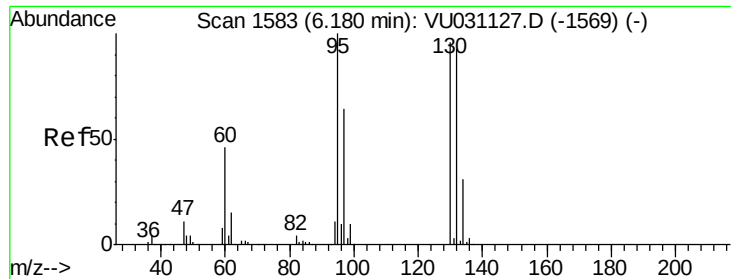
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#34  
 Trichloroethene  
 Concen: 76.537 ug/L  
 RT: 6.18 min Scan# 1584  
 Delta R.T. 0.00 min  
 Lab File: VU031150.D  
 Acq: 12 Apr 2019 23:36

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|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 95    | Resp: | 302476 |
| Ion      | Ratio | Lower | Upper  |
| 95       | 100   |       |        |
| 97       | 62.1  | 44.5  | 82.7   |
| 132      | 91.6  | 61.5  | 114.1  |
| 130      | 94.2  | 64.9  | 120.5  |

