

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040919\  
 Data File : VU030903.D  
 Acq On : 08 Apr 2019 14:15  
 Operator : JC/SP  
 Sample : K2259-13ME  
 Misc : 5.89g/5mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 ETJ33ME

Quant Time: Apr 09 02:56:03 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  | 626041   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 618154   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 286054   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |          |
|--------------------------------|---------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 223452   | 39.98    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 79.96%   |
| 7) Chloroethane-d5             | 1.64    | 69    | 186538   | 43.98    | ug/L | -0.04    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 87.96%   |
| 11) 1,1-Dichloroethene-d2      | 2.23    | 63    | 373373   | 36.94    | ug/L | -0.04    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 73.88%   |
| 21) 2-Butanone-d5              | 4.19    | 46    | 515538   | 116.40   | ug/L | 0.02     |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 116.40%  |
| 24) Chloroform-d               | 4.64    | 84    | 457499   | 53.59    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 107.18%  |
| 26) 1,2-Dichloroethane-d4      | 5.30    | 65    | 323189   | 55.48    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 110.96%  |
| 32) Benzene-d6                 | 5.33    | 84    | 940366   | 52.11    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 104.22%  |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 331210   | 53.56    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 107.12%  |
| 41) Toluene-d8                 | 7.56    | 98    | 808729   | 50.56    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 101.12%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 148711   | 52.73    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 105.46%  |
| 47) 2-Hexanone-d5              | 8.32    | 63    | 380209   | 134.51   | ug/L | 0.01     |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 134.51%# |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 516241   | 61.88    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 123.76%# |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 325027   | 57.78    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 115.56%  |

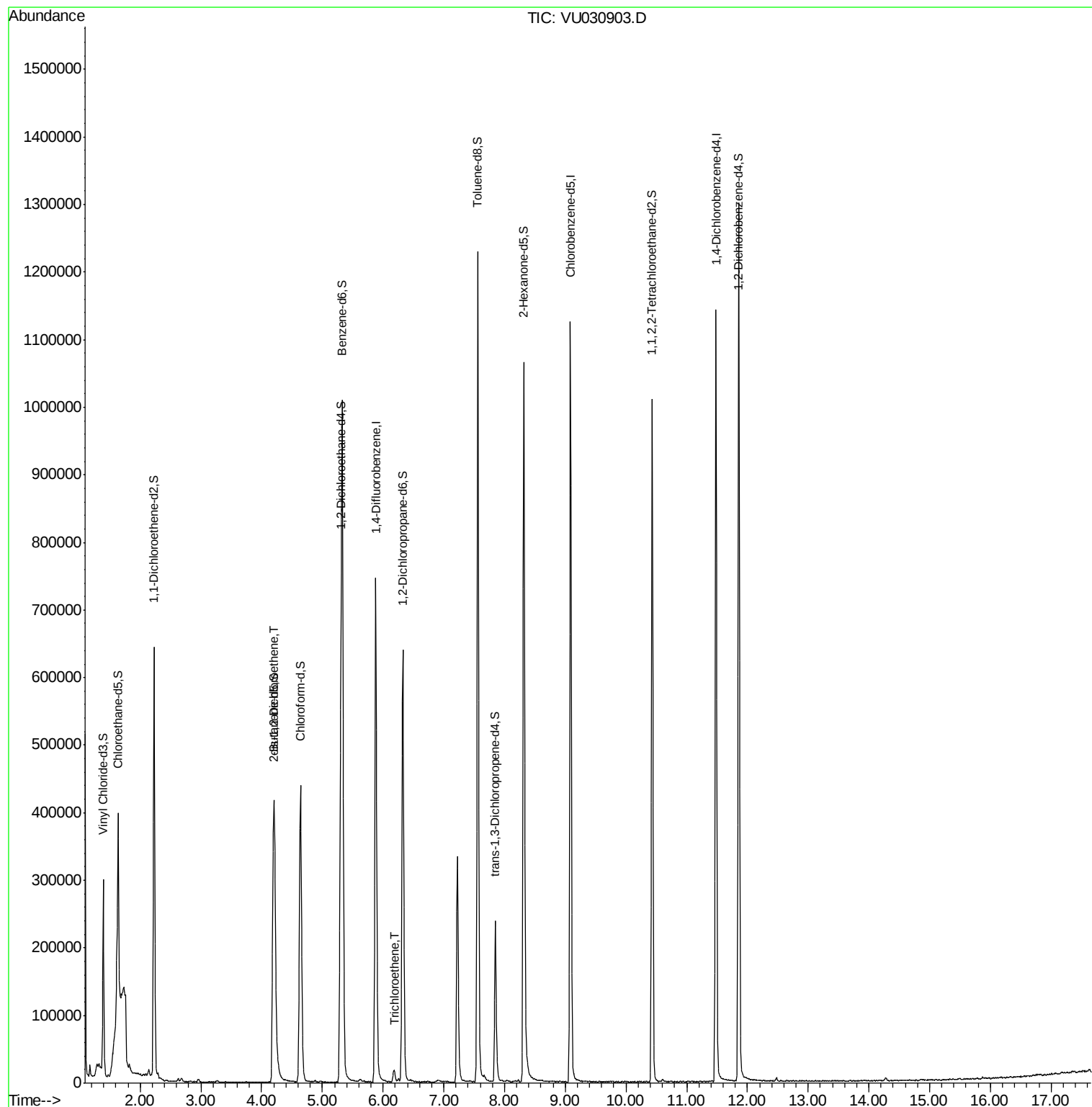
| Target Compounds           |      |    |        |             | Ovalue |
|----------------------------|------|----|--------|-------------|--------|
| 20) cis-1,2-Dichloroethene | 4.21 | 96 | 120570 | 23.765 ug/L | 96     |
| 34) Trichloroethene        | 6.19 | 95 | 5018   | 1.011 ug/L  | 95     |

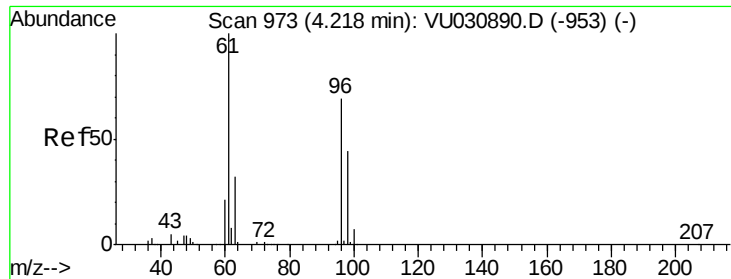
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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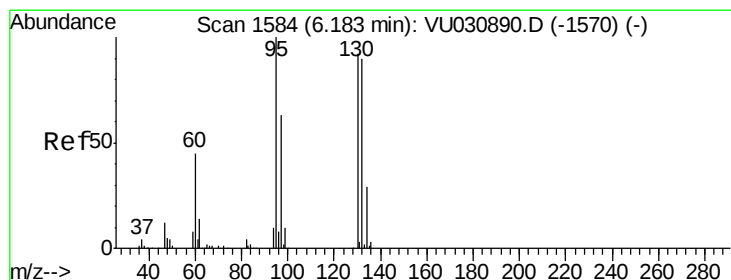
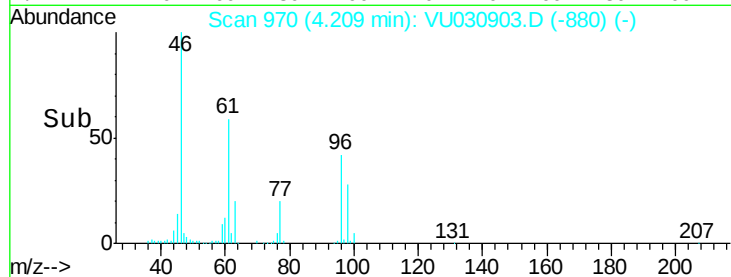
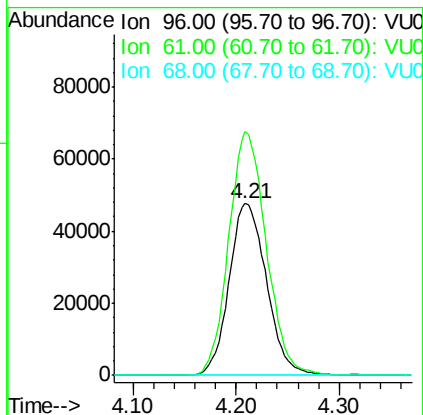
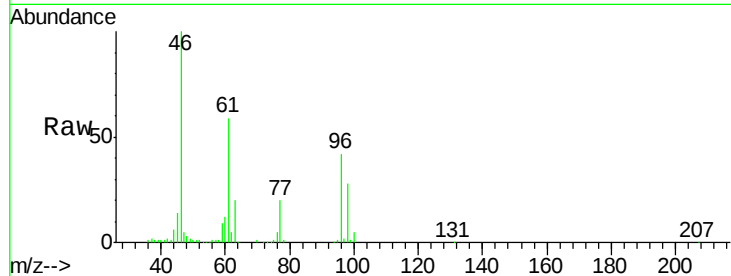


#20

cis-1,2-Dichloroethene  
 Concen: 23.765 ug/L  
 RT: 4.21 min Scan# 970  
 Delta R.T. -0.01 min  
 Lab File: VU030903.D  
 Acq: 08 Apr 2019 14:15

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 ETJ33ME

Tot Ion: 96 Resp: 120570  
 Ion Ratio Lower Upper  
 96 100  
 61 141.7 102.9 191.1  
 68 0.0 0.0 0.0



#34

Trichloroethene  
 Concen: 1.011 ug/L  
 RT: 6.19 min Scan# 1586  
 Delta R.T. 0.01 min  
 Lab File: VU030903.D  
 Acq: 08 Apr 2019 14:15

Tgt Ion: 95 Resp: 5018  
 Ion Ratio Lower Upper  
 95 100  
 97 58.3 44.5 82.7  
 132 89.2 61.5 114.1  
 130 86.0 64.9 120.5

