

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041319\  
 Data File : VU031194.D  
 Acq On : 14 Apr 2019 06:42  
 Operator : JC/SP  
 Sample : K2409-08  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 46 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFC33

Quant Time: Apr 15 04:20:03 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM040519WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Apr 15 01:39:53 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 424075   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 460011   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 184061   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |          |
|--------------------------------|---------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 215802   | 57.01    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 114.02%  |
| 7) Chloroethane-d5             | 1.67    | 69    | 188432   | 65.58    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 131.16%# |
| 11) 1,1-Dichloroethene-d2      | 2.26    | 63    | 266625   | 38.94    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 77.88%   |
| 21) 2-Butanone-d5              | 4.17    | 46    | 294023   | 98.00    | ug/L | 0.00     |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 98.00%   |
| 24) Chloroform-d               | 4.64    | 84    | 299552   | 51.80    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 103.60%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 203405   | 51.55    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 103.10%  |
| 32) Benzene-d6                 | 5.34    | 84    | 589312   | 43.88    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 87.76%   |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 199612   | 43.37    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 86.74%   |
| 41) Toluene-d8                 | 7.56    | 98    | 497146   | 41.77    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 83.54%   |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 80571    | 38.39    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 76.78%   |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 165727   | 78.79    | ug/L | 0.00     |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 78.79%   |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 278589   | 44.88    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 89.76%   |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 182083   | 50.30    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 100.60%  |

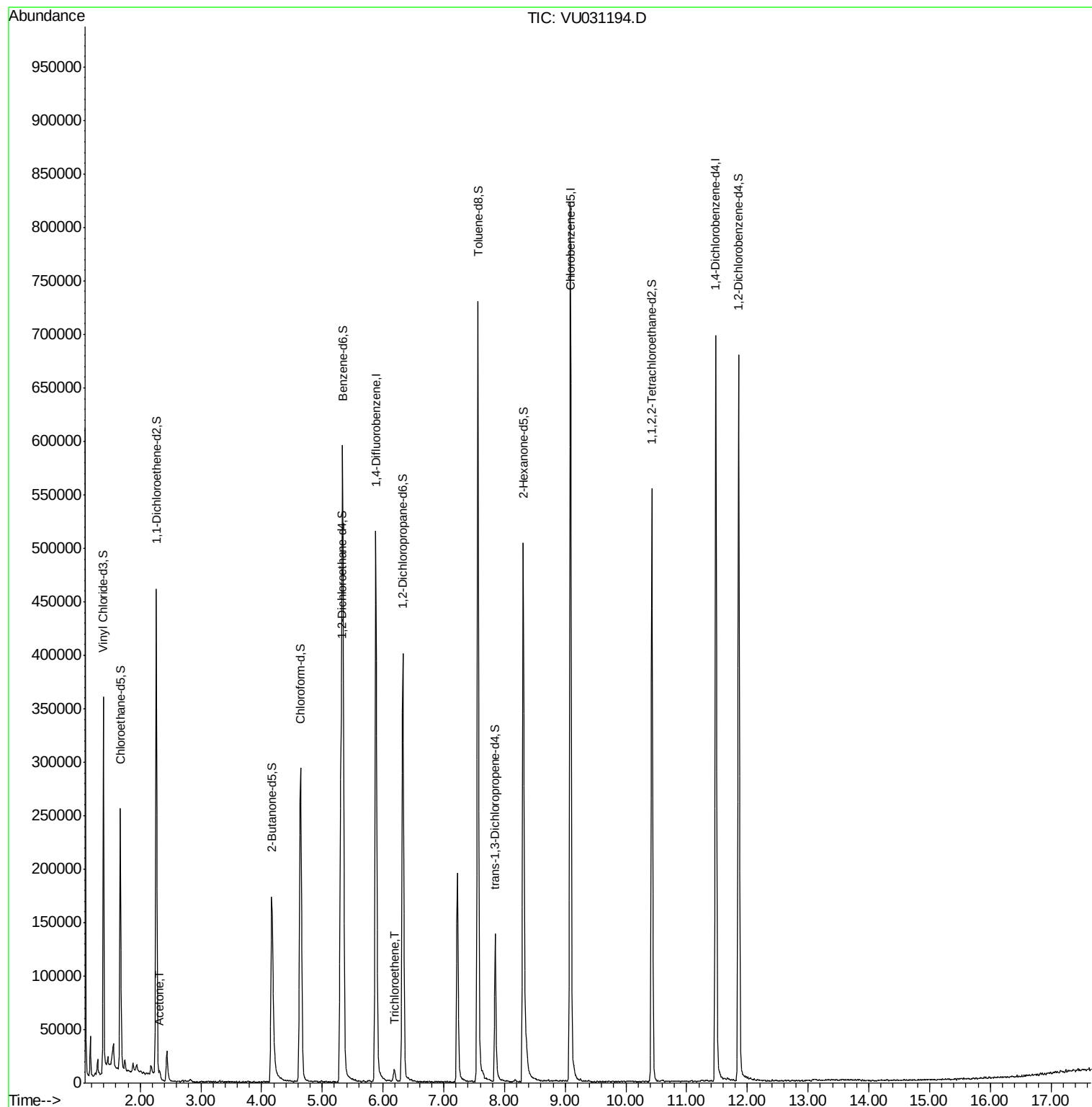
| Target Compounds    |      |    |      |            | Ovalue |
|---------------------|------|----|------|------------|--------|
| 13) Acetone         | 2.32 | 43 | 7972 | 2.597 ug/L | 90     |
| 34) Trichloroethene | 6.19 | 95 | 3760 | 1.018 ug/L | 92     |

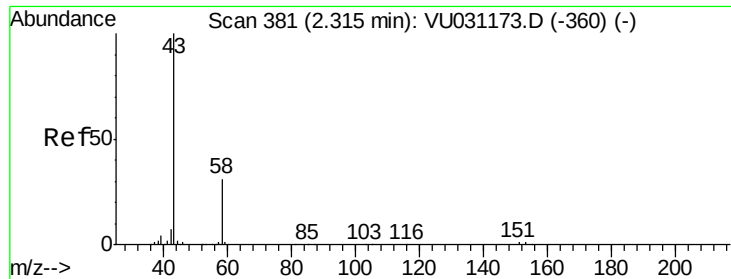
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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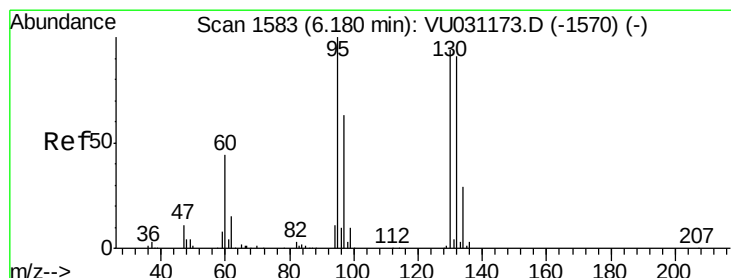
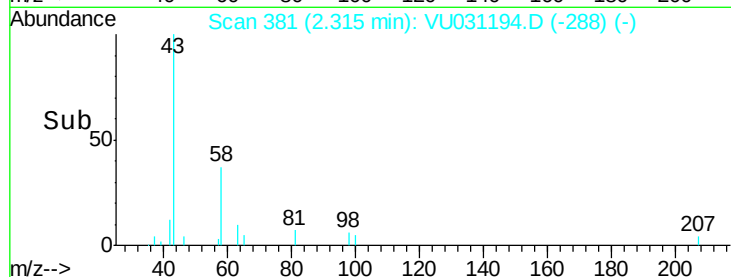
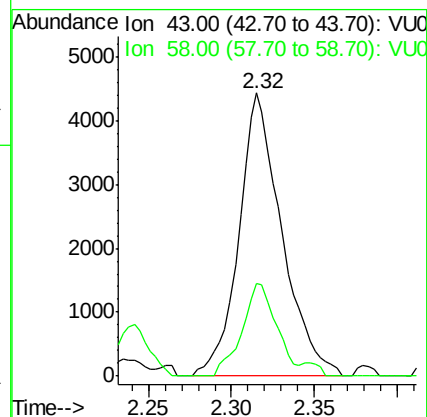
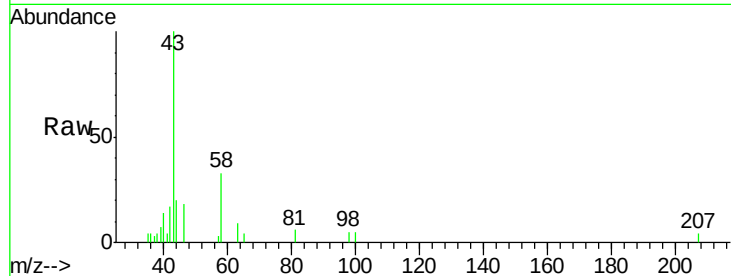




#13  
Acetone  
Concen: 2.597 ug/L  
RT: 2.32 min Scan# 381  
Delta R.T. 0.00 min  
Lab File: VU031194.D  
Acq: 14 Apr 2019 06:42

Instrument :  
MSVOA\_U  
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Tot Ion: 43 Resp: 7972  
Ion Ratio Lower Upper  
43 100  
58 26.4 0.0 64.0



#34  
Trichloroethene  
Concen: 1.018 ug/L  
RT: 6.19 min Scan# 1587  
Delta R.T. 0.01 min  
Lab File: VU031194.D  
Acq: 14 Apr 2019 06:42

Tgt Ion: 95 Resp: 3760  
Ion Ratio Lower Upper  
95 100  
97 67.6 44.5 82.7  
132 80.5 61.5 114.1  
130 82.4 64.9 120.5

