

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072118\  
 Data File : VU025583.D  
 Acq On : 21 Jul 2018 14:26  
 Operator : MD/SY  
 Sample : J4039-08  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Jul 23 01:13:19 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM072018WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Jul 23 01:10:42 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 360895   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 336264   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 171314   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 74831    | 36.32    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 72.64%  |
| 7) Chloroethane-d5             | 1.69    | 69    | 65326    | 38.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 76.88%  |
| 11) 1,1-Dichloroethene-d2      | 2.28    | 63    | 124191   | 28.95    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 57.90%# |
| 21) 2-Butanone-d5              | 4.18    | 46    | 132990   | 83.61    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 83.61%  |
| 24) Chloroform-d               | 4.65    | 84    | 179402   | 39.09    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 78.18%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 124753   | 41.10    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 82.20%  |
| 32) Benzene-d6                 | 5.35    | 84    | 353859   | 41.03    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 82.06%  |
| 36) 1,2-Dichloropropane-d6     | 6.34    | 67    | 114627   | 41.25    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 82.50%  |
| 41) Toluene-d8                 | 7.57    | 98    | 335618   | 40.58    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 81.16%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 56319    | 39.68    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 79.36%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 96358    | 82.81    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 82.81%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.44   | 84    | 154553   | 39.77    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 79.54%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 145666   | 41.95    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 83.90%  |

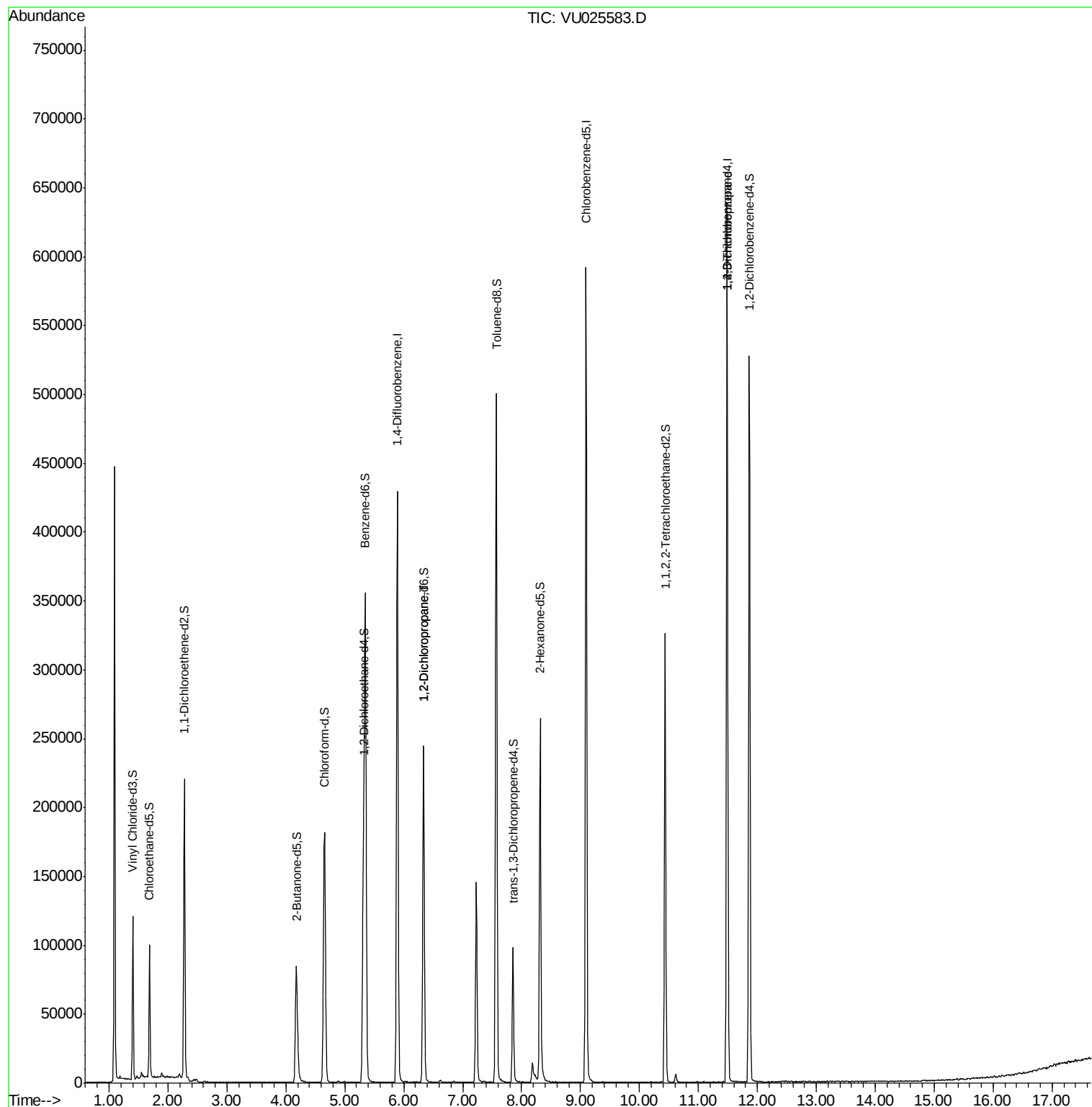
| Target Compounds           |       |    |       |              | Ovalue |
|----------------------------|-------|----|-------|--------------|--------|
| 37) 1,2-Dichloropropane    | 6.33  | 63 | 12954 | 4.906 ug/L # | 88     |
| 59) 1,2,3-Trichloropropane | 11.49 | 75 | 18221 | 5.875 ug/L # | 84     |

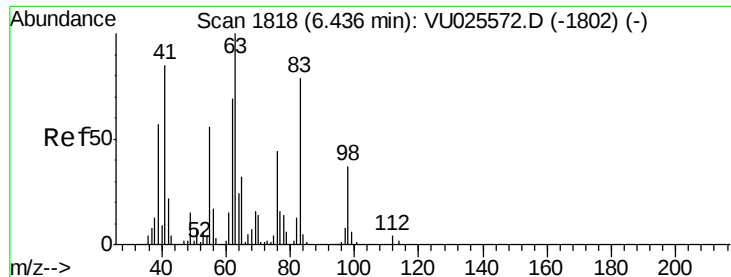
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jul 23 01:10:42 2018  
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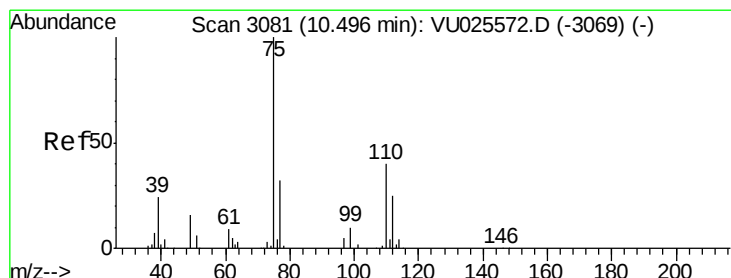
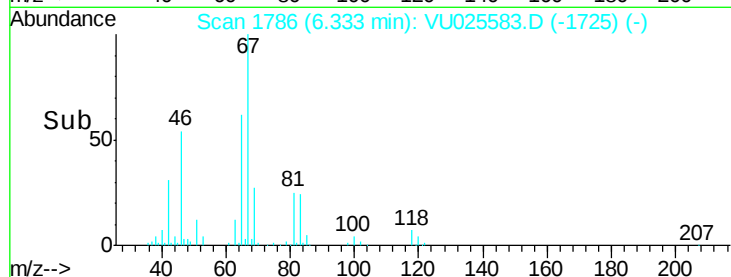
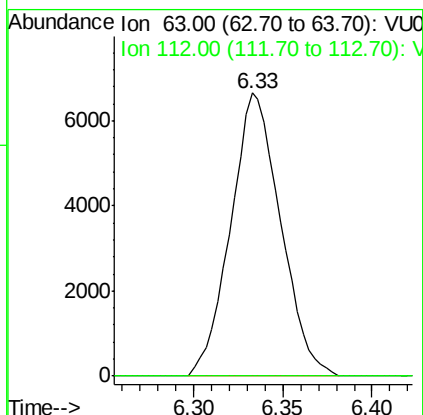
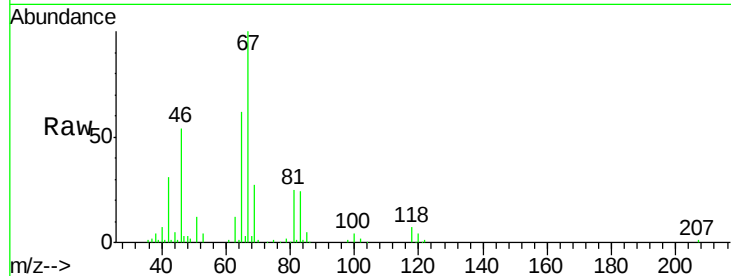




#37  
 1,2-Dichloropropane  
 Concen: 4.906 ug/L  
 RT: 6.33 min Scan# 1786  
 Delta R.T. -0.10 min  
 Lab File: VU025583.D  
 Acq: 21 Jul 2018 14:26

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Tot Ion: 63 Resp: 12954  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.3 4.9#



#59  
 1,2,3-Trichloropropane  
 Concen: 5.875 ug/L  
 RT: 11.49 min Scan# 3389  
 Delta R.T. 0.99 min  
 Lab File: VU025583.D  
 Acq: 21 Jul 2018 14:26

Tgt Ion: 75 Resp: 18221  
 Ion Ratio Lower Upper  
 75 100  
 77 41.3 25.8 38.8#

