

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072018\  
 Data File : VU025543.D  
 Acq On : 20 Jul 2018 15:47  
 Operator : MD/SY  
 Sample : J4039-11  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Jul 21 01:31:02 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM072018WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Jul 21 01:28:05 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 334540   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 299564   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 134089   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 53044    | 27.77    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 55.54%# |
| 7) Chloroethane-d5             | 1.68    | 69    | 50953    | 32.34    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 64.68%# |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 93106    | 23.42    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 46.84%# |
| 21) 2-Butanone-d5              | 4.18    | 46    | 148803   | 100.92   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 100.92% |
| 24) Chloroform-d               | 4.65    | 84    | 165228   | 38.84    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 77.68%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 117624   | 41.81    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 83.62%  |
| 32) Benzene-d6                 | 5.35    | 84    | 304644   | 39.65    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 79.30%  |
| 36) 1,2-Dichloropropane-d6     | 6.34    | 67    | 107382   | 43.38    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 86.76%  |
| 41) Toluene-d8                 | 7.57    | 98    | 278667   | 37.82    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 75.64%# |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 49429    | 39.09    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 78.18%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 106820   | 103.05   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 103.05% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.44   | 84    | 155602   | 44.94    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 89.88%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 120171   | 44.22    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 88.44%  |

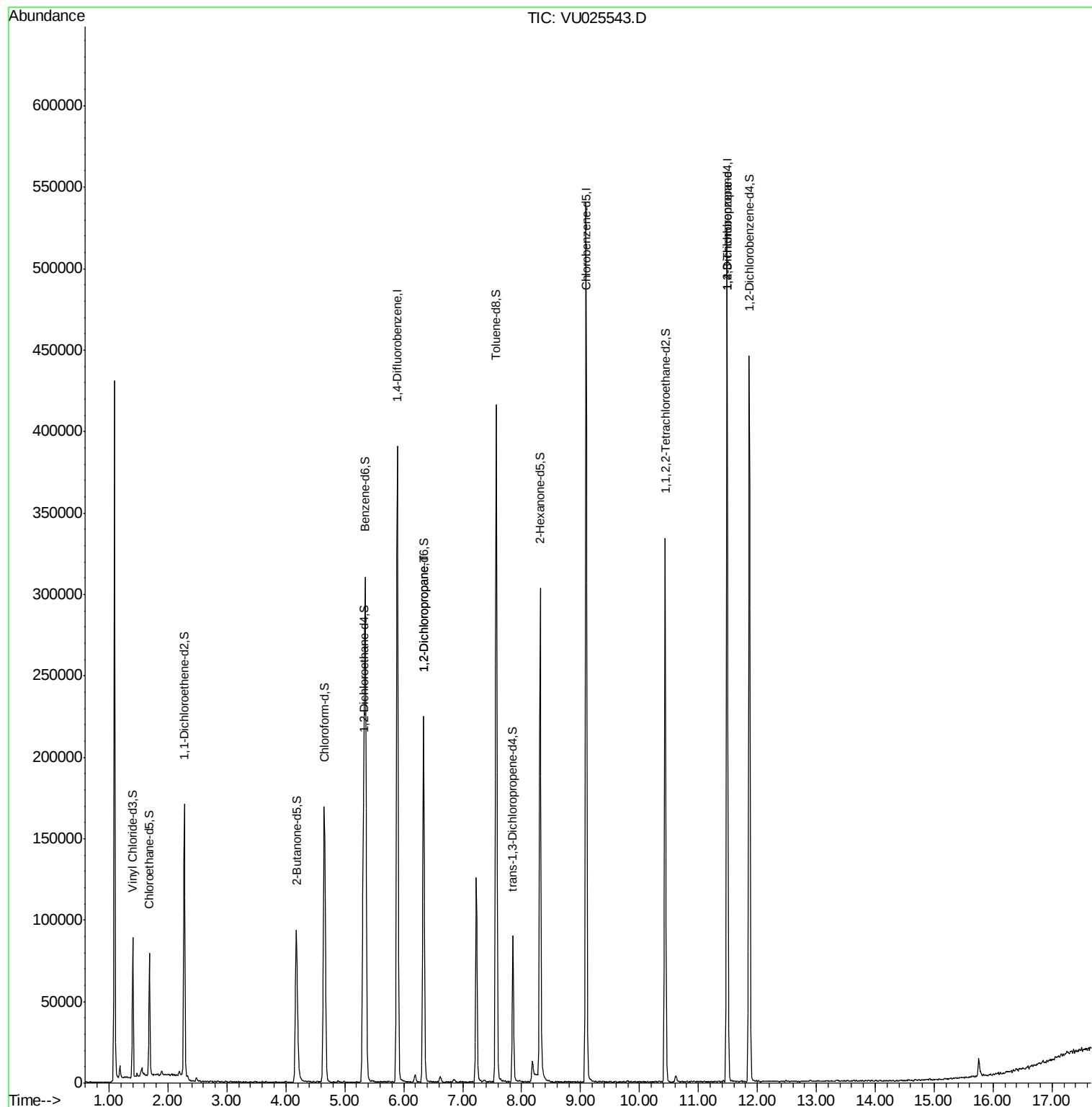
| Target Compounds           |       |    |       |              | Ovalue |
|----------------------------|-------|----|-------|--------------|--------|
| 37) 1,2-Dichloropropane    | 6.34  | 63 | 11835 | 5.032 ug/L # | 88     |
| 59) 1,2,3-Trichloropropane | 11.49 | 75 | 15220 | 5.509 ug/L # | 85     |

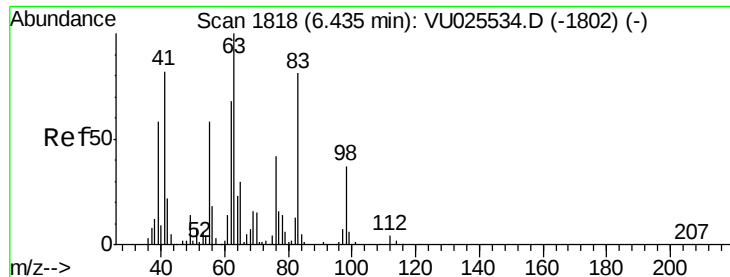
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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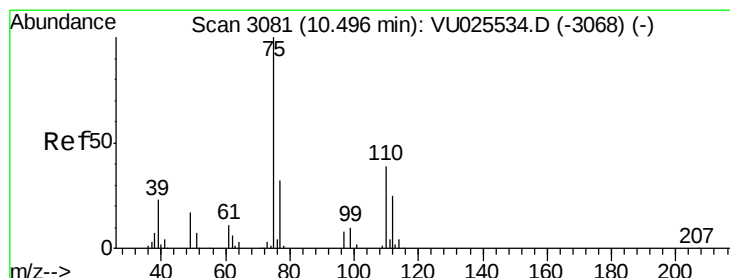
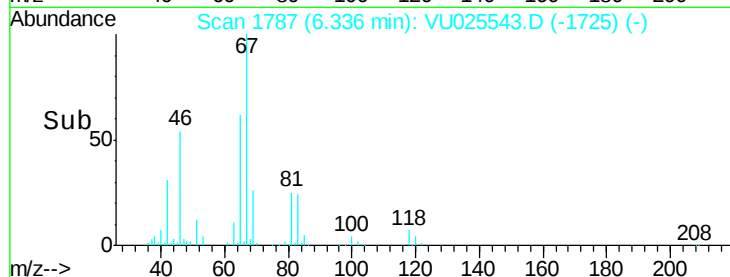
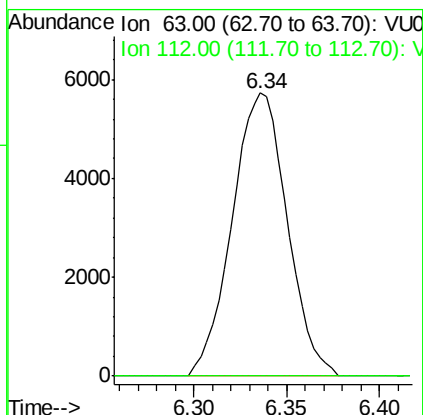
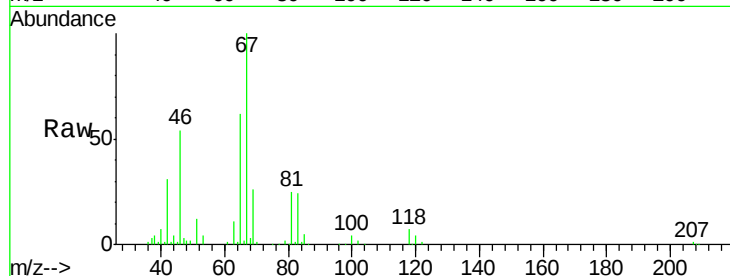




#37  
 1,2-Dichloropropane  
 Concen: 5.032 ug/L  
 RT: 6.34 min Scan# 1787  
 Delta R.T. -0.10 min  
 Lab File: VU025543.D  
 Acq: 20 Jul 2018 15:47

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Tot Ion: 63 Resp: 11835  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.3 4.9#



#59  
 1,2,3-Trichloropropane  
 Concen: 5.509 ug/L  
 RT: 11.49 min Scan# 3389  
 Delta R.T. 0.99 min  
 Lab File: VU025543.D  
 Acq: 20 Jul 2018 15:47

Tgt Ion: 75 Resp: 15220  
 Ion Ratio Lower Upper  
 75 100  
 77 40.8 25.8 38.8#

