

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU071818\  
 Data File : VU025498.D  
 Acq On : 18 Jul 2018 15:38  
 Operator : MD/SY  
 Sample : J3986-13  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jul 19 01:09:25 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM071718WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Jul 19 01:07:14 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 327652   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 295575   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 136934   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

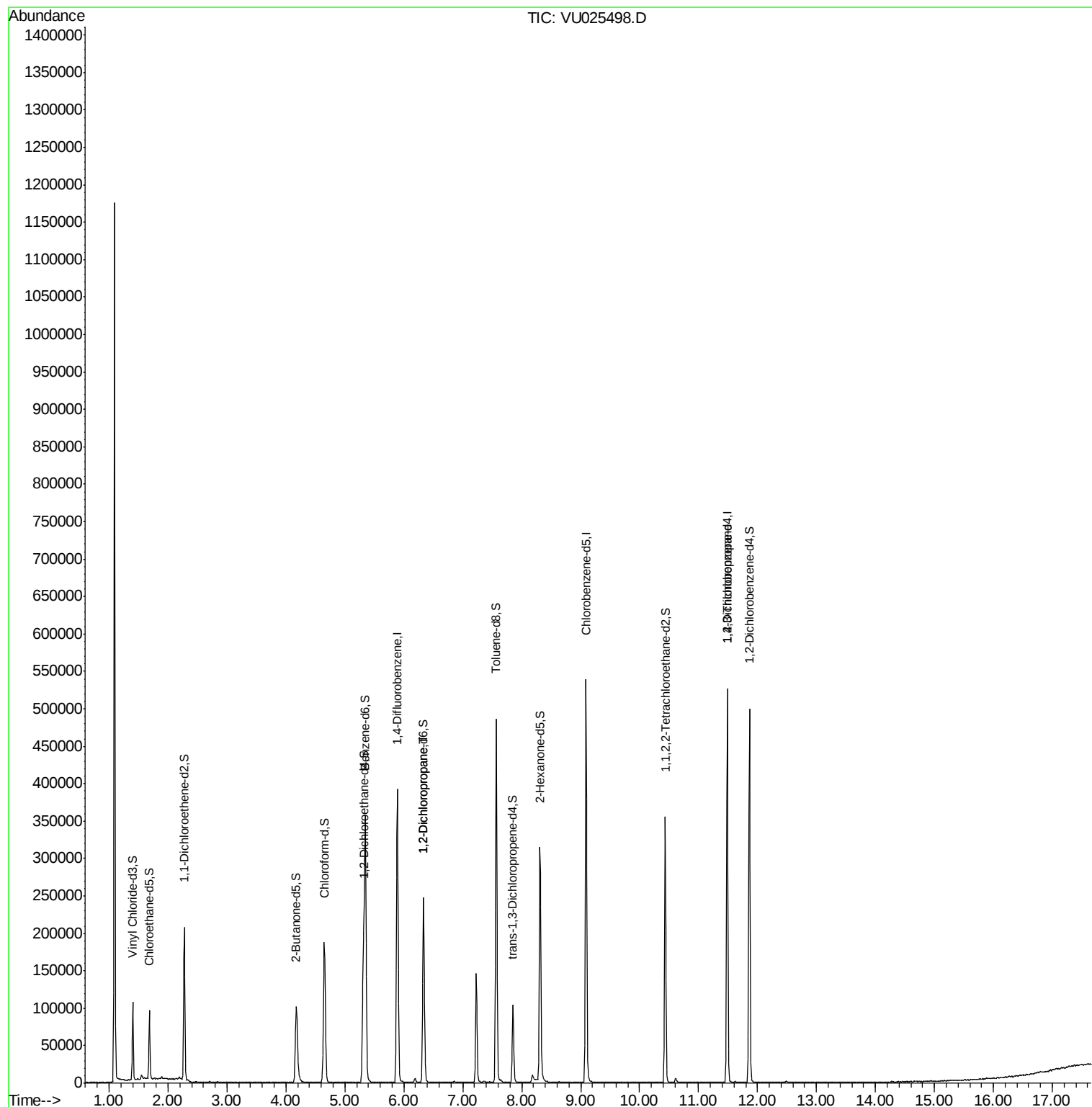
|                                |         |       |          |          |      |        |
|--------------------------------|---------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 65180    | 42.18    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 84.36% |
| 7) Chloroethane-d5             | 1.68    | 69    | 60917    | 46.28    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 92.56% |
| 11) 1,1-Dichloroethene-d2      | 2.28    | 63    | 117152   | 34.53    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 69.06% |
| 21) 2-Butanone-d5              | 4.18    | 46    | 157169   | 95.59    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 95.59% |
| 24) Chloroform-d               | 4.65    | 84    | 186040   | 46.41    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 92.82% |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 129981   | 47.65    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.30% |
| 32) Benzene-d6                 | 5.35    | 84    | 352294   | 49.32    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.64% |
| 36) 1,2-Dichloropropane-d6     | 6.34    | 67    | 117447   | 49.65    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 99.30% |
| 41) Toluene-d8                 | 7.57    | 98    | 328520   | 47.52    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 95.04% |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 56995    | 46.29    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 92.58% |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 112950   | 92.10    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 92.10% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 164363   | 46.80    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 93.60% |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 131777   | 48.02    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 96.04% |

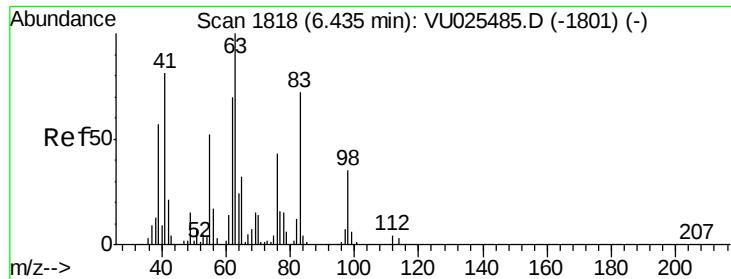
| Target Compounds           |       |    |       |              | Qvalue |
|----------------------------|-------|----|-------|--------------|--------|
| 37) 1,2-Dichloropropane    | 6.34  | 63 | 12972 | 5.378 ug/L # | 88     |
| 59) 1,2,3-Trichloropropane | 11.48 | 75 | 14887 | 4.641 ug/L # | 80     |

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

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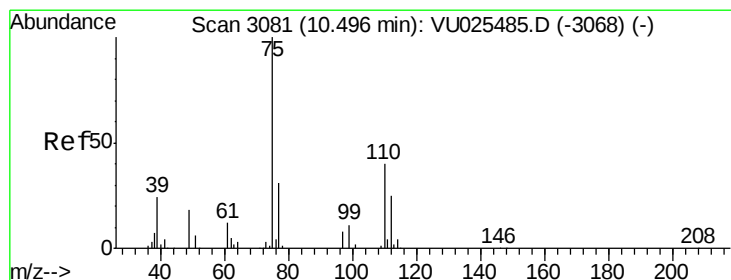
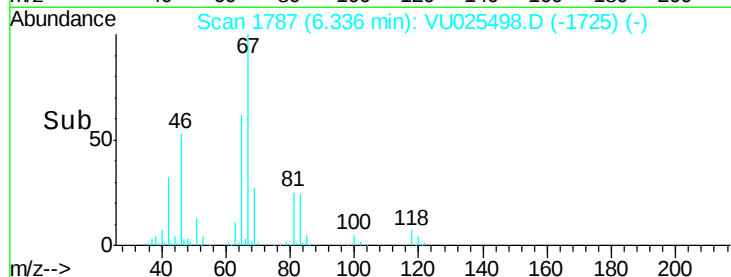
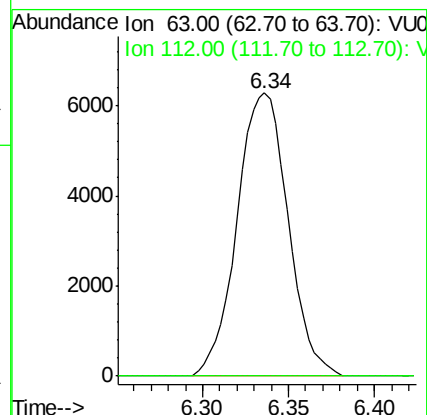
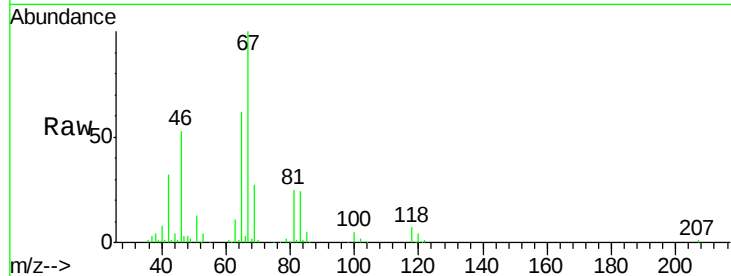
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QLast Update : Thu Jul 19 01:07:14 2018  
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#37  
 1,2-Dichloropropane  
 Concen: 5.378 ug/L  
 RT: 6.34 min Scan# 1787  
 Delta R.T. -0.10 min  
 Lab File: VU025498.D  
 Acq: 18 Jul 2018 15:38

Tgt Ion: 63 Resp: 12972  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.2 4.8#



#59  
 1,2,3-Trichloropropane  
 Concen: 4.641 ug/L  
 RT: 11.48 min Scan# 3388  
 Delta R.T. 0.99 min  
 Lab File: VU025498.D  
 Acq: 18 Jul 2018 15:38

Tgt Ion: 75 Resp: 14887  
 Ion Ratio Lower Upper  
 75 100  
 77 44.2 26.2 39.2#

