

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082518\  
 Data File : VU026372.D  
 Acq On : 25 Aug 2018 15:39  
 Operator : MD/SY  
 Sample : J4644-02DL 10X  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 ETBL9DL

Quant Time: Aug 27 03:29:38 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM082218WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Aug 25 04:25:01 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 305918   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 307318   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 146576   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 98719    | 52.91    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 105.82% |
| 7) Chloroethane-d5             | 1.68    | 69    | 81357    | 53.47    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 106.94% |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 148964   | 40.62    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 81.24%  |
| 21) 2-Butanone-d5              | 4.18    | 46    | 149893   | 100.65   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 100.65% |
| 24) Chloroform-d               | 4.65    | 84    | 206628   | 49.68    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 99.36%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 138898   | 51.32    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 102.64% |
| 32) Benzene-d6                 | 5.35    | 84    | 405569   | 49.33    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.66%  |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 130731   | 49.52    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 99.04%  |
| 41) Toluene-d8                 | 7.57    | 98    | 367853   | 46.81    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 93.62%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 62657    | 45.94    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 91.88%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 108549   | 96.21    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 96.21%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 184121   | 47.13    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 94.26%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 158742   | 51.04    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 102.08% |

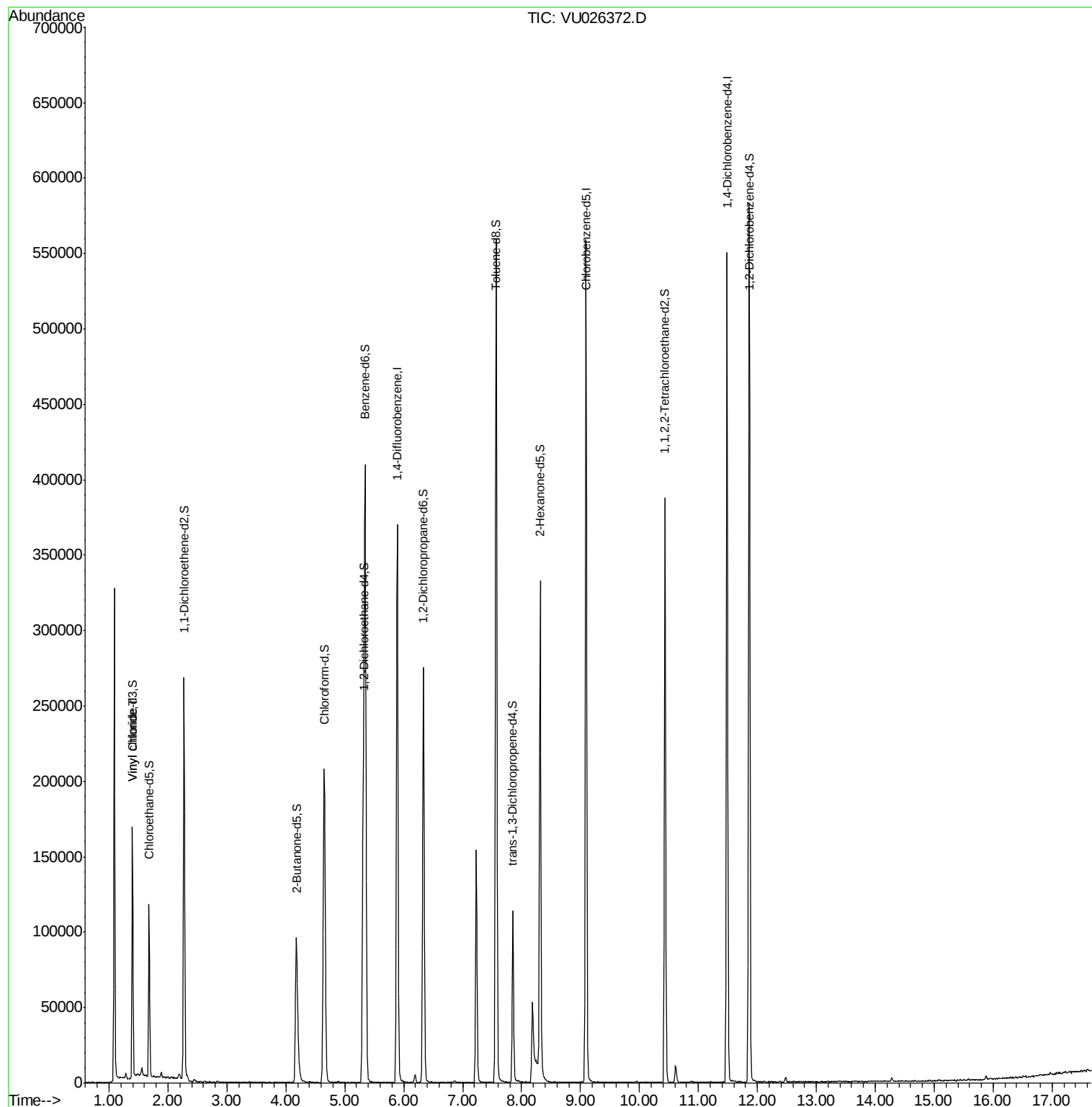
| Target Compounds  |      |    |      |           | Ovalue |
|-------------------|------|----|------|-----------|--------|
| 5) Vinyl chloride | 1.40 | 62 | 6712 | 3.01 ug/L | # 52   |

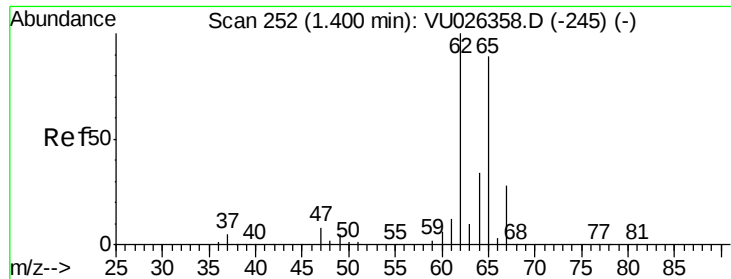
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5  
 Vinyl chloride  
 Concen: 3.01 ug/L  
 RT: 1.40 min Scan# 252  
 Delta R.T. 0.00 min  
 Lab File: VU026372.D  
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Instrument :  
 MSVOA\_U  
 ClientSampleId :  
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Tot Ion: 62 Resp: 6712  
 Ion Ratio Lower Upper  
 62 100  
 64 62.5 24.2 45.0#

