

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050518\  
 Data File : VU023666.D  
 Acq On : 05 May 2018 14:31  
 Operator : MD/SY  
 Sample : J2630-10 500X  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 06 01:18:59 2018  
 Quant Method : W:\HPCHEM1\MSVOA U\METHOD\SOMUTR050418WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Sun May 06 01:00:29 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 142025   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 146955   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 67118    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

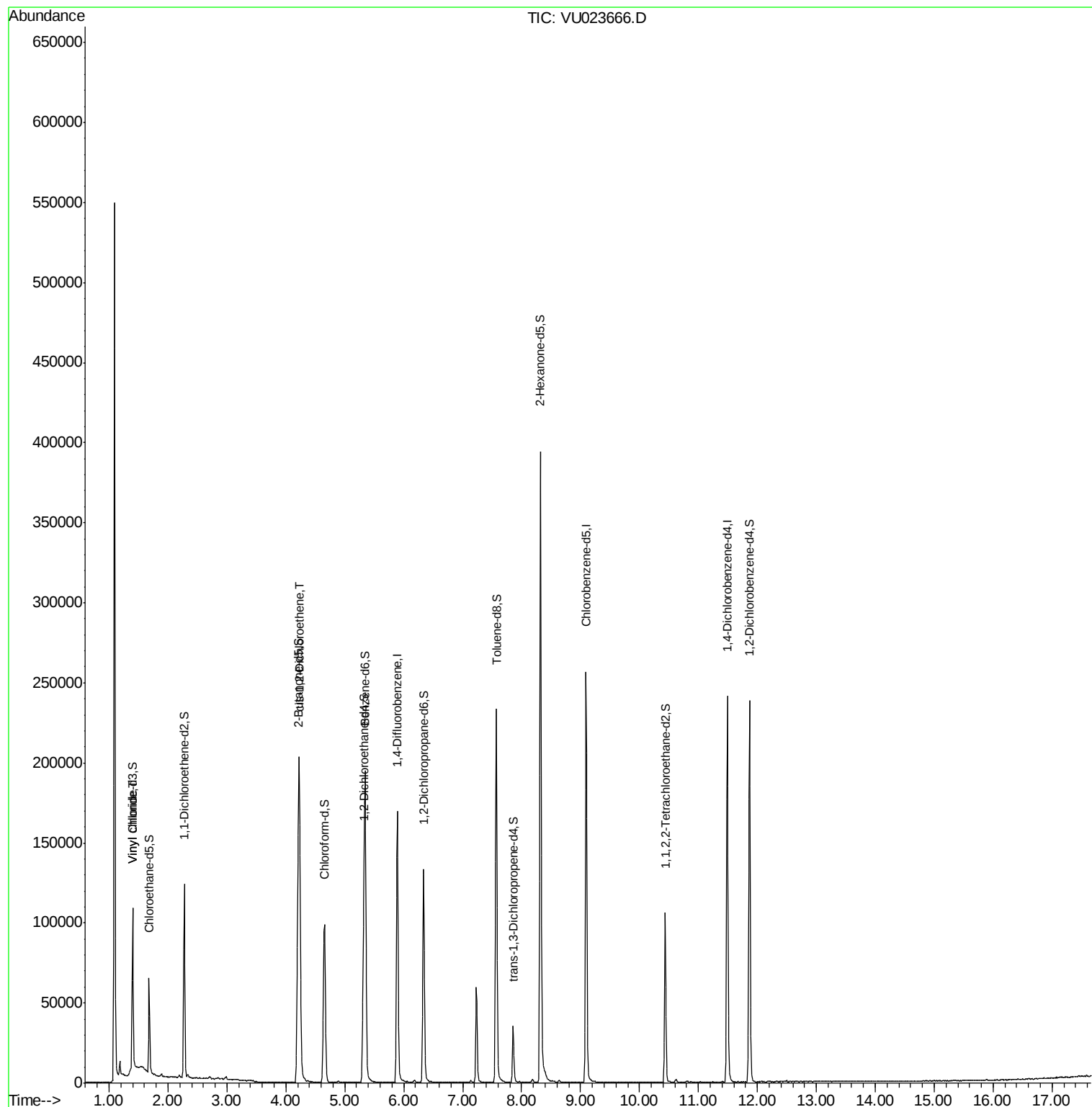
|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 48077    | 4.67     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 93.40%  |
| 7) Chloroethane-d5             | 1.68   | 69    | 40245    | 5.26     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 105.20% |
| 11) 1,1-Dichloroethene-d2      | 2.27   | 63    | 69786    | 3.80     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 76.00%  |
| 20) 2-Butanone-d5              | 4.21   | 46    | 171296   | 57.48    | ug/L | 0.01    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 114.96% |
| 24) Chloroform-d               | 4.65   | 84    | 98582    | 5.34     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 106.80% |
| 26) 1,2-Dichloroethane-d4      | 5.32   | 65    | 55023    | 5.56     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 111.20% |
| 32) Benzene-d6                 | 5.35   | 84    | 193177   | 4.96     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 99.20%  |
| 36) 1,2-Dichloropropane-d6     | 6.34   | 67    | 67411    | 5.25     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 105.00% |
| 41) Toluene-d8                 | 7.57   | 98    | 159440   | 4.40     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 88.00%  |
| 43) trans-1,3-Dichloropropene- | 7.86   | 79    | 21005    | 4.44     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 88.80%  |
| 46) 2-Hexanone-d5              | 8.32   | 63    | 129691   | 53.50    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 107.00% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.44  | 84    | 52163    | 5.10     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 102.00% |
| 64) 1,2-Dichlorobenzene-d4     | 11.87  | 152   | 67099    | 5.38     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 107.60% |

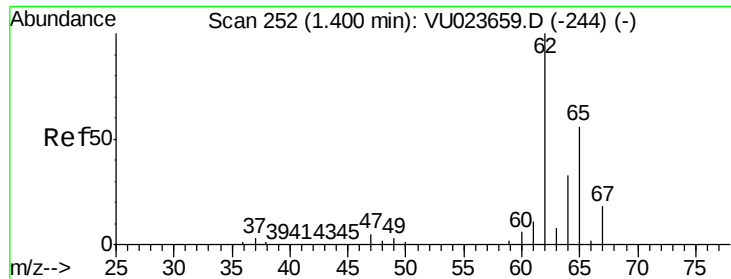
| Target Compounds           |      |    |       |           | Ovalue |
|----------------------------|------|----|-------|-----------|--------|
| 5) Vinyl chloride          | 1.40 | 62 | 23578 | 1.78 ug/L | 84     |
| 22) cis-1,2-Dichloroethene | 4.23 | 96 | 78977 | 7.19 ug/L | 100    |

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

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#5

Vinyl chloride

Concen: 1.78 ug/L

RT: 1.40 min Scan# 252

Delta R.T. -0.00 min

Lab File: VU023666.D

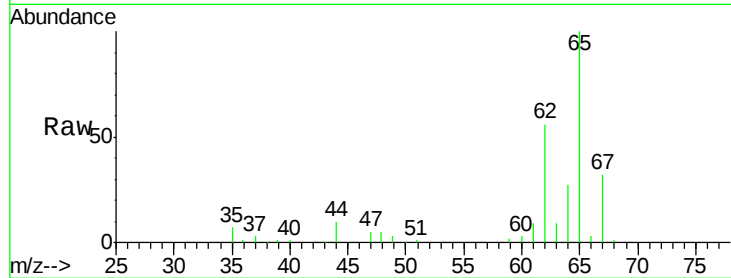
Acq: 05 May 2018 14:31

Tot Ion: 62 Resp: 23578

Ion Ratio Lower Upper

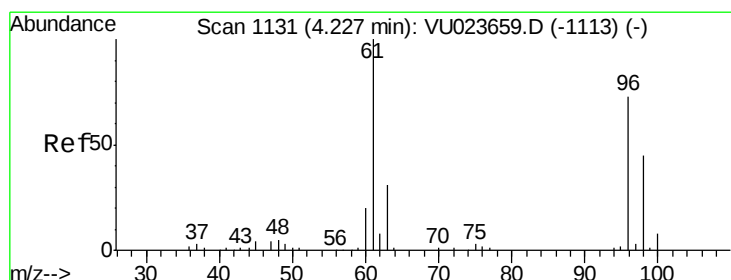
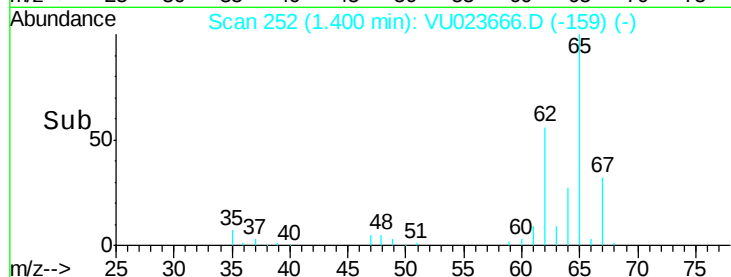
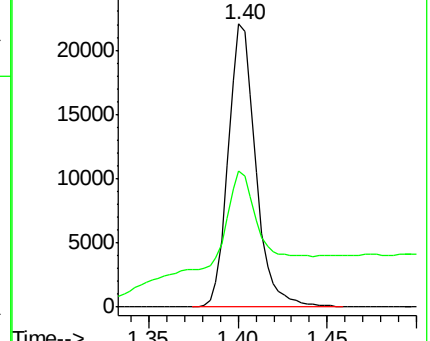
62 100

64 48.1 26.9 49.9



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#22

cis-1,2-Dichloroethene

Concen: 7.19 ug/L

RT: 4.23 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VU023666.D

Acq: 05 May 2018 14:31

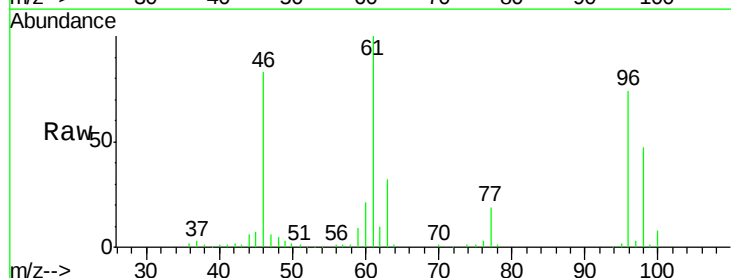
Tgt Ion: 96 Resp: 78977

Ion Ratio Lower Upper

96 100

61 135.0 94.6 175.6

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0

