

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU052618\  
 Data File : VU024177.D  
 Acq On : 27 May 2018 09:00  
 Operator : MD/SY  
 Sample : J3091-12  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 36 Sample Multiplier: 1

Quant Time: May 28 02:46:10 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_U\METHOD\SOMULM052518WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon May 28 02:19:02 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 328964   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 306667   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 119272   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |        |
|--------------------------------|---------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 119169   | 47.65    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 95.30% |
| 7) Chloroethane-d5             | 1.67    | 69    | 86695    | 43.65    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 87.30% |
| 11) 1,1-Dichloroethene-d2      | 2.26    | 63    | 162012   | 34.83    | ug/L | -0.02  |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 69.66% |
| 21) 2-Butanone-d5              | 4.19    | 46    | 155924   | 78.43    | ug/L | 0.01   |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 78.43% |
| 24) Chloroform-d               | 4.65    | 84    | 200164   | 44.66    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 89.32% |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 133414   | 46.99    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.98% |
| 32) Benzene-d6                 | 5.34    | 84    | 417825   | 49.23    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.46% |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 139597   | 47.99    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 95.98% |
| 41) Toluene-d8                 | 7.57    | 98    | 353424   | 44.93    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 89.86% |
| 43) trans-1,3-Dichloropropene- | 7.86    | 79    | 51960    | 44.92    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 89.84% |
| 47) 2-Hexanone-d5              | 8.33    | 63    | 106915   | 77.04    | ug/L | 0.02   |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 77.04% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.44   | 84    | 181318   | 42.73    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 85.46% |
| 64) 1,2-Dichlorobenzene-d4     | 11.87   | 152   | 123156   | 47.09    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 94.18% |

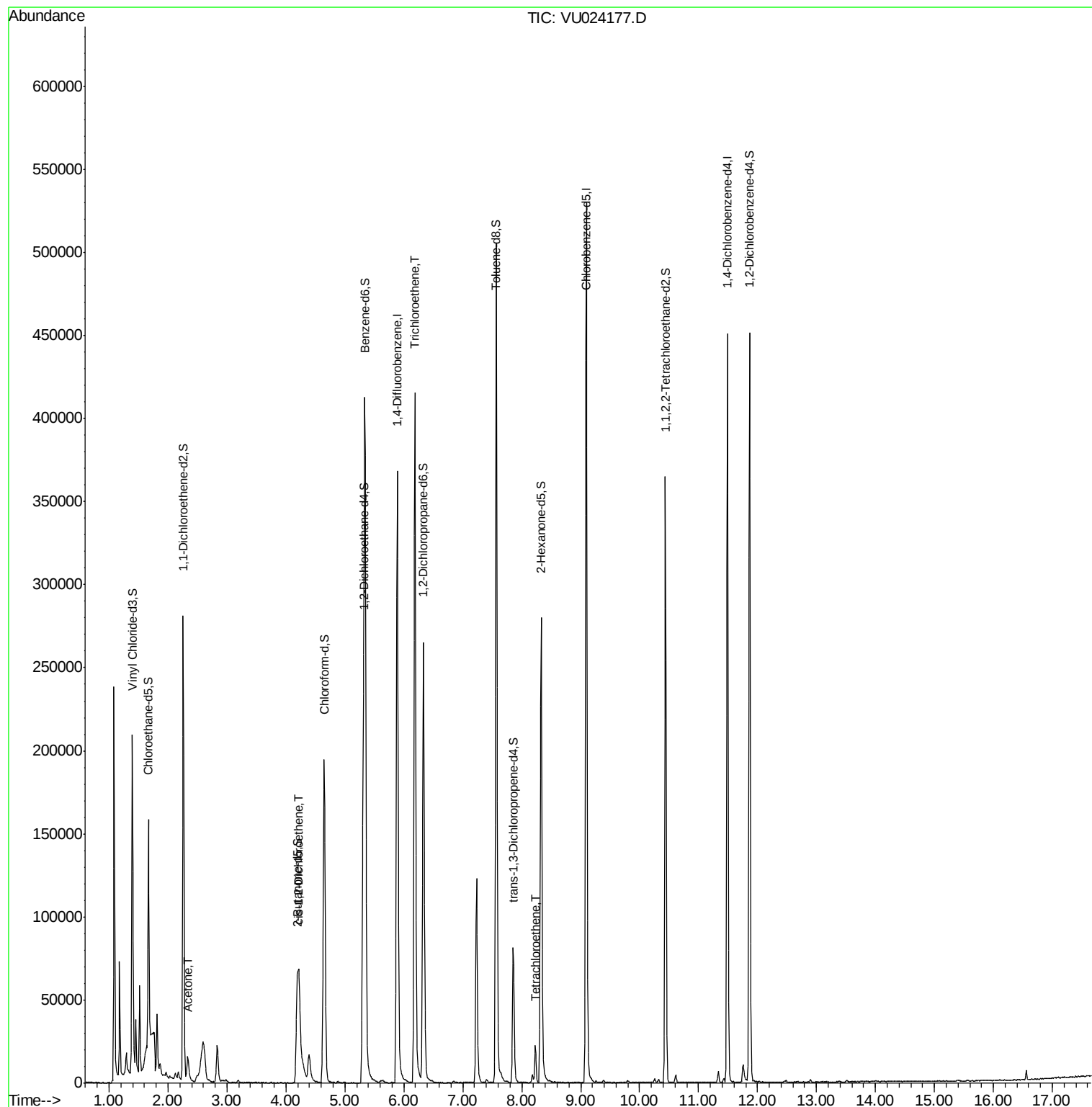
## Target Compounds

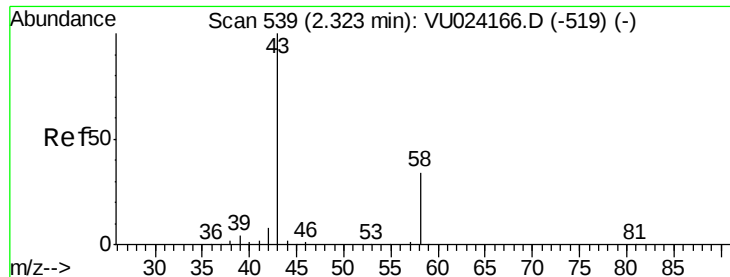
|                            |      |     |        |       | Ovalue   |
|----------------------------|------|-----|--------|-------|----------|
| 13) Acetone                | 2.34 | 43  | 20970  | 12.10 | ug/L 100 |
| 20) cis-1,2-Dichloroethene | 4.22 | 96  | 18428  | 6.96  | ug/L 91  |
| 34) Trichloroethene        | 6.19 | 95  | 151901 | 52.97 | ug/L 98  |
| 46) Tetrachloroethene      | 8.23 | 164 | 5498   | 2.74  | ug/L 94  |

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

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#13

Acetone

Concen: 12.10 ug/L

RT: 2.34 min Scan# 543

Delta R.T. 0.01 min

Lab File: VU024177.D

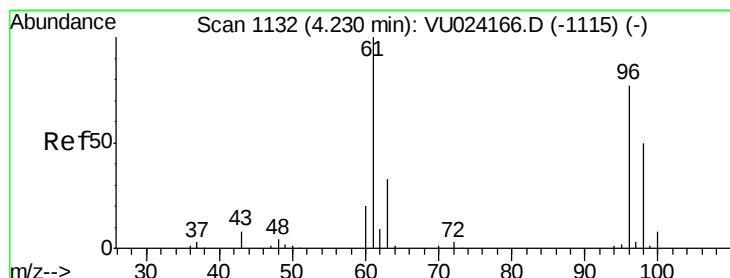
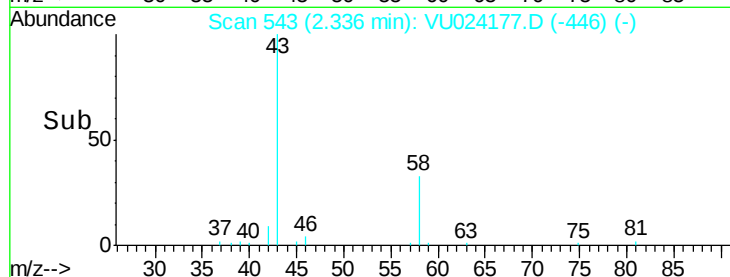
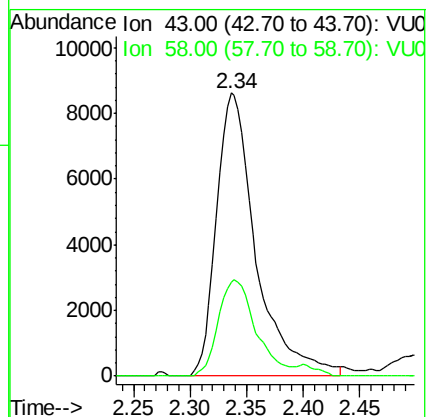
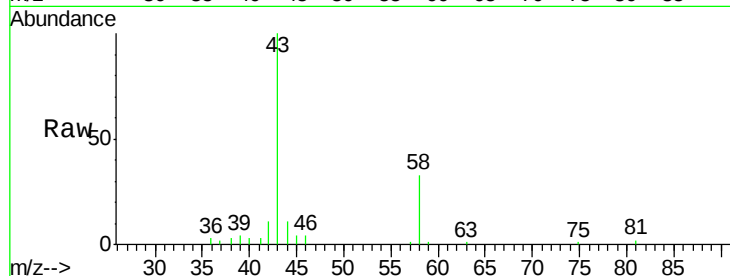
Acq: 27 May 2018 09:00

Tot Ion: 43 Resp: 20970

Ion Ratio Lower Upper

43 100

58 32.4 0.0 64.4



#20

cis-1,2-Dichloroethene

Concen: 6.96 ug/L

RT: 4.22 min Scan# 1130

Delta R.T. -0.01 min

Lab File: VU024177.D

Acq: 27 May 2018 09:00

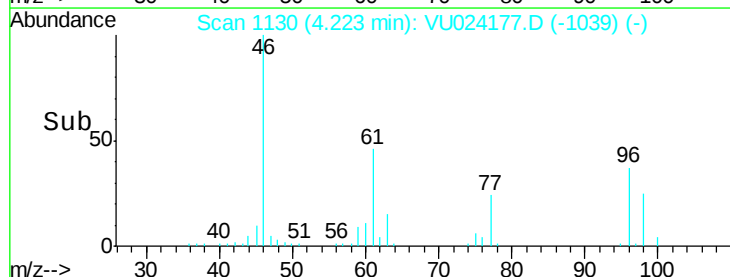
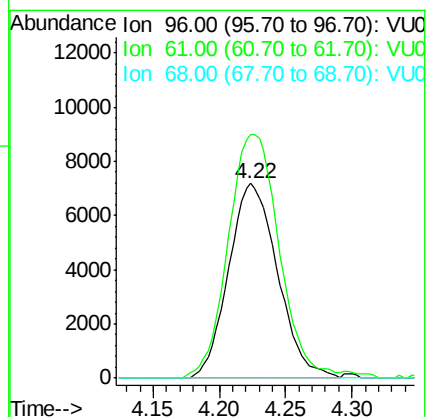
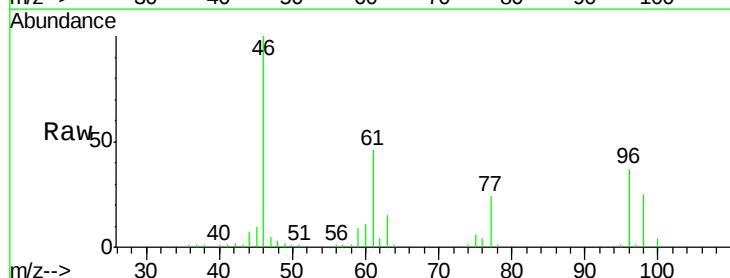
Tgt Ion: 96 Resp: 18428

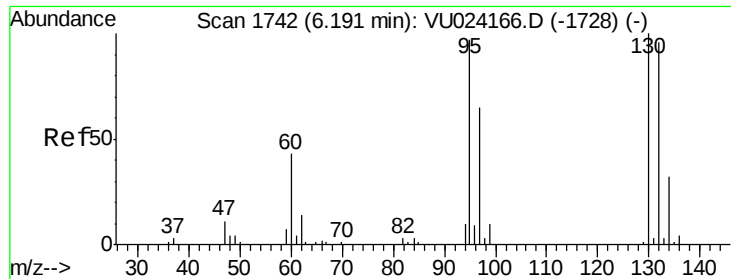
Ion Ratio Lower Upper

96 100

61 125.0 94.8 176.0

68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 52.97 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU024177.D

Acq: 27 May 2018 09:00

Tot Ion: 95 Resp: 151901

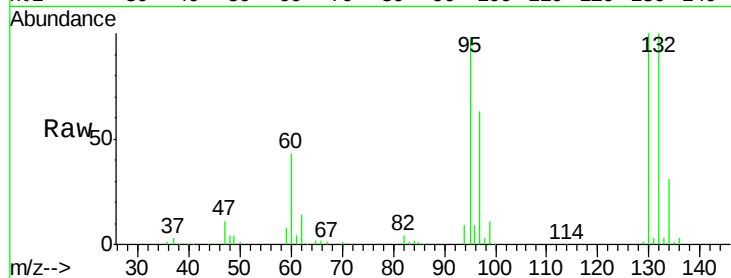
Ion Ratio Lower Upper

95 100

97 63.8 44.5 82.7

132 101.6 69.0 128.2

130 101.9 70.6 131.0

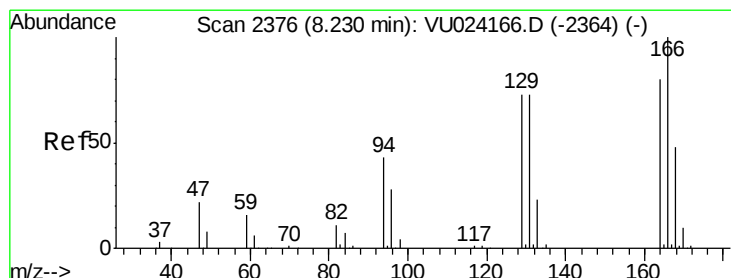
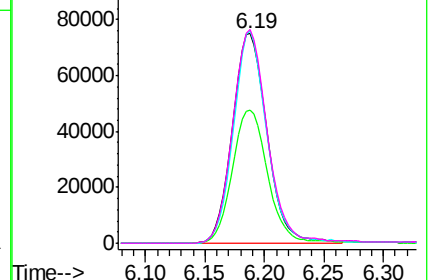
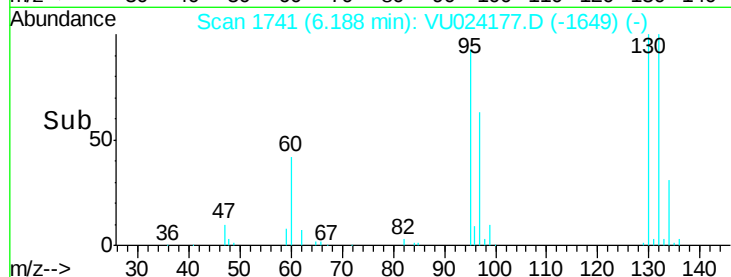


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#46

Tetrachloroethene

Concen: 2.74 ug/L

RT: 8.23 min Scan# 2377

Delta R.T. 0.00 min

Lab File: VU024177.D

Acq: 27 May 2018 09:00

Tgt Ion:164 Resp: 5498

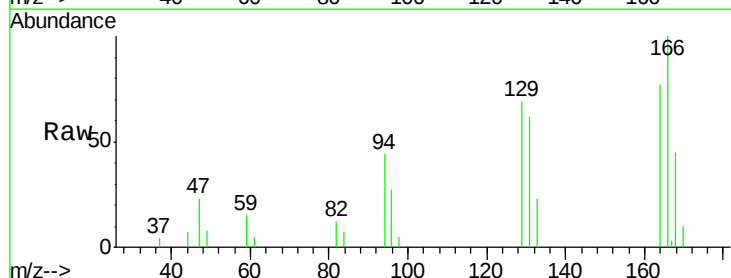
Ion Ratio Lower Upper

164 100

129 90.4 66.6 123.6

131 80.8 64.5 119.9

166 130.3 89.3 165.9



Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

