

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082420\  
 Data File : VW016339.D  
 Acq On : 24 Aug 2020 18:40  
 Operator : SY/VA  
 Sample : L3789-13  
 Misc : 5.78G/10ML/MSVOA W/SOIL  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BFWS1

Quant Time: Aug 25 06:18:51 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM082420S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Aug 25 05:29:05 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 371345   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 339081   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 149528   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 55015    | 13.88    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 55.52%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 46591    | 15.48    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 61.92%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 104205   | 11.06    | ug/L | -0.01   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 44.24%# |
| 20) 2-Butanone-d5              | 7.08   | 46    | 42823    | 37.98    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 75.96%  |
| 24) Chloroform-d               | 7.65   | 84    | 177409   | 18.33    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 73.32%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 92672    | 18.58    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 74.32%  |
| 29) Benzene-d6                 | 8.27   | 84    | 323538   | 17.09    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 68.36%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 97244    | 18.56    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 74.24%  |
| 37) Toluene-d8                 | 10.32  | 98    | 296546   | 16.60    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 66.40%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 43765    | 17.31    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 69.24%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 41347    | 49.27    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 98.54%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 90269    | 20.70    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 82.80%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 111169   | 19.39    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 77.56%  |

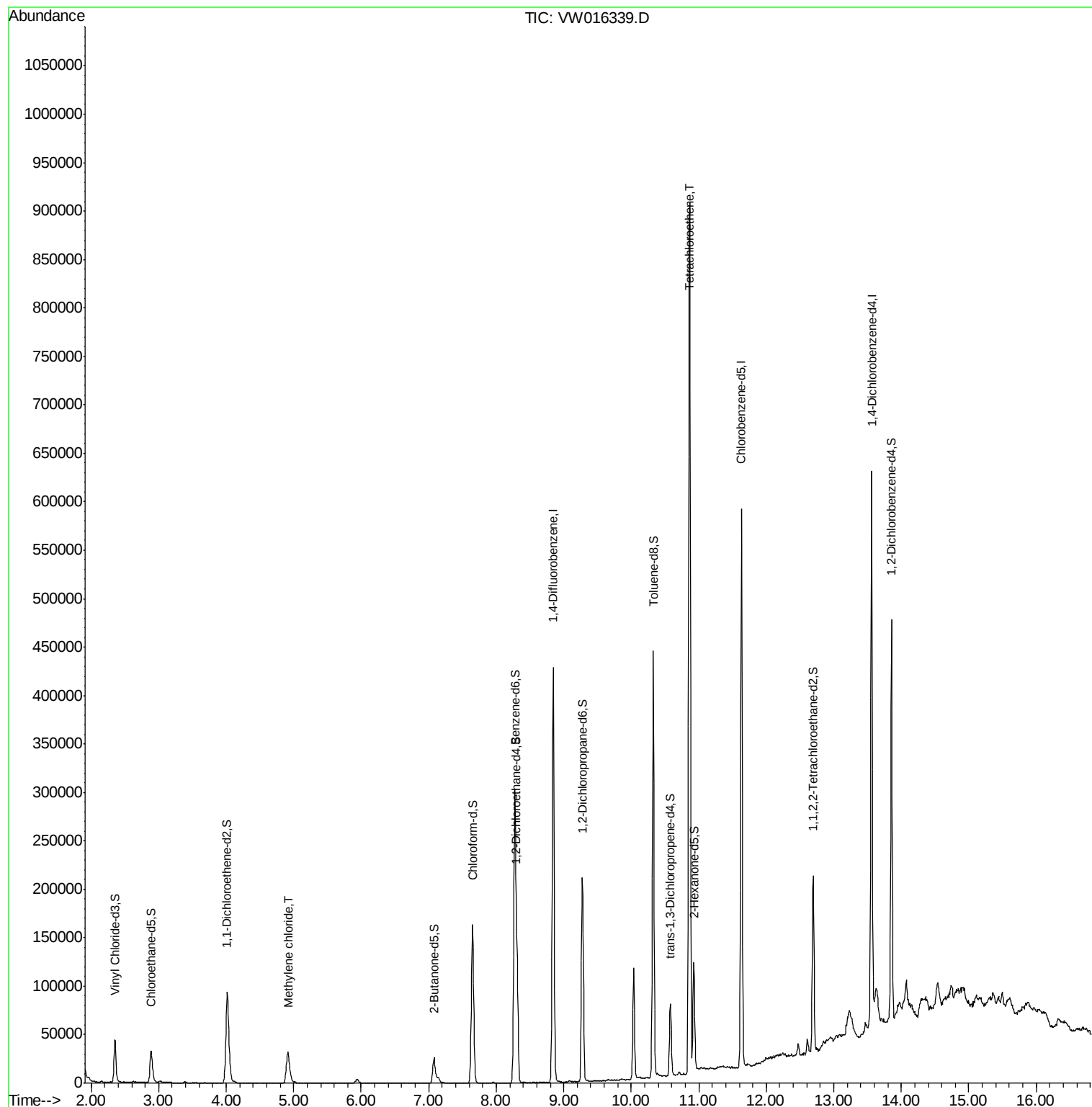
| Target Compounds       |       |     |        |             | Ovalue |
|------------------------|-------|-----|--------|-------------|--------|
| 16) Methylene chloride | 4.92  | 84  | 29679  | 4.323 ug/L  | 95     |
| 47) Tetrachloroethene  | 10.86 | 164 | 207581 | 47.802 ug/L | 96     |

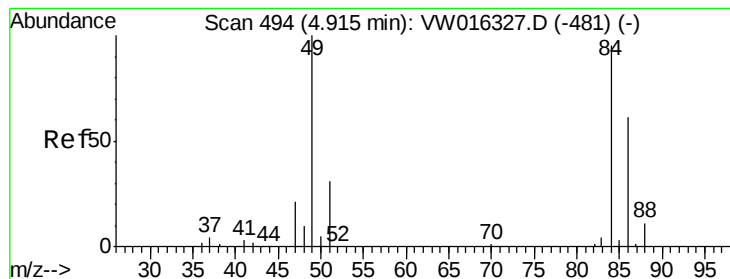
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#16

Methvlene chloride

Concen: 4.323 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW016339.D

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Instrument :

MSVOA\_W

ClientSampleId :

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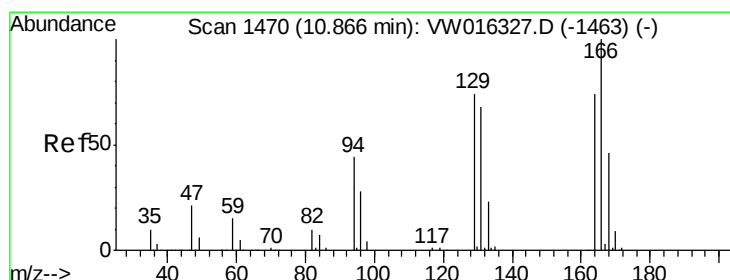
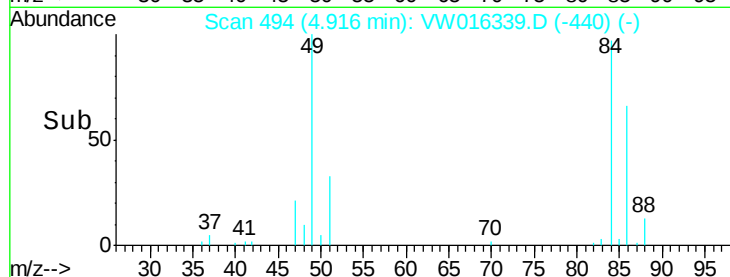
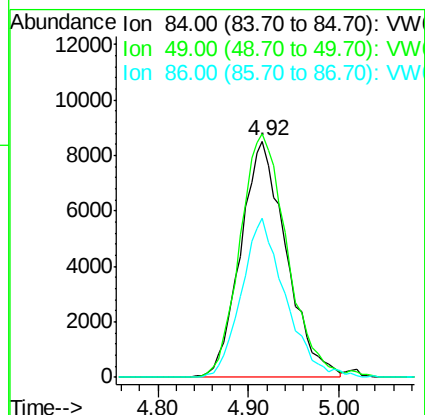
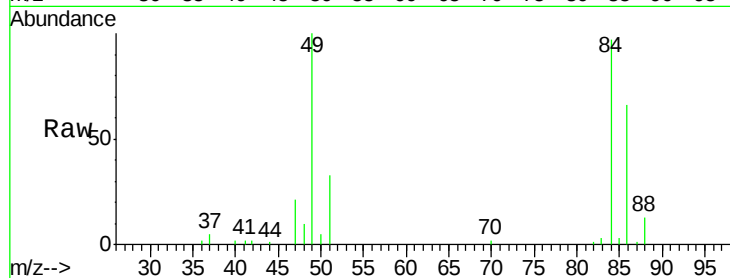
Tot Ion: 84 Resp: 29679

Ion Ratio Lower Upper

84 100

49 103.2 75.3 139.9

86 67.6 43.3 80.3



#47

Tetrachloroethene

Concen: 47.802 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VW016339.D

Acq: 24 Aug 2020 18:40

Tgt Ion:164 Resp: 207581

Ion Ratio Lower Upper

164 100

129 97.8 71.5 132.7

131 97.0 67.4 125.2

166 124.3 92.5 171.9

