

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082420\  
 Data File : VW016337.D  
 Acq On : 24 Aug 2020 17:52  
 Operator : SY/VA  
 Sample : L3789-11  
 Misc : 6.16G/10ML/MSVOA W/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BFWQ8

Quant Time: Aug 25 06:13:54 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     | 8.85  | 114  | 321539   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 293526   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 123445   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 55102    | 16.05    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 64.20%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 48054    | 18.44    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 73.76%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 107333   | 13.16    | ug/L | -0.01   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 52.64%  |
| 20) 2-Butanone-d5              | 7.07   | 46    | 47195    | 48.34    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 96.68%  |
| 24) Chloroform-d               | 7.65   | 84    | 180228   | 21.50    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 86.00%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 96948    | 22.44    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 89.76%  |
| 29) Benzene-d6                 | 8.27   | 84    | 329500   | 20.11    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 80.44%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 98511    | 21.72    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 86.88%  |
| 37) Toluene-d8                 | 10.32  | 98    | 304768   | 19.71    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 78.84%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 45278    | 20.69    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 82.76%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 42573    | 58.60    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 117.20% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 93824    | 24.86    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 99.44%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 110226   | 23.29    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 93.16%  |

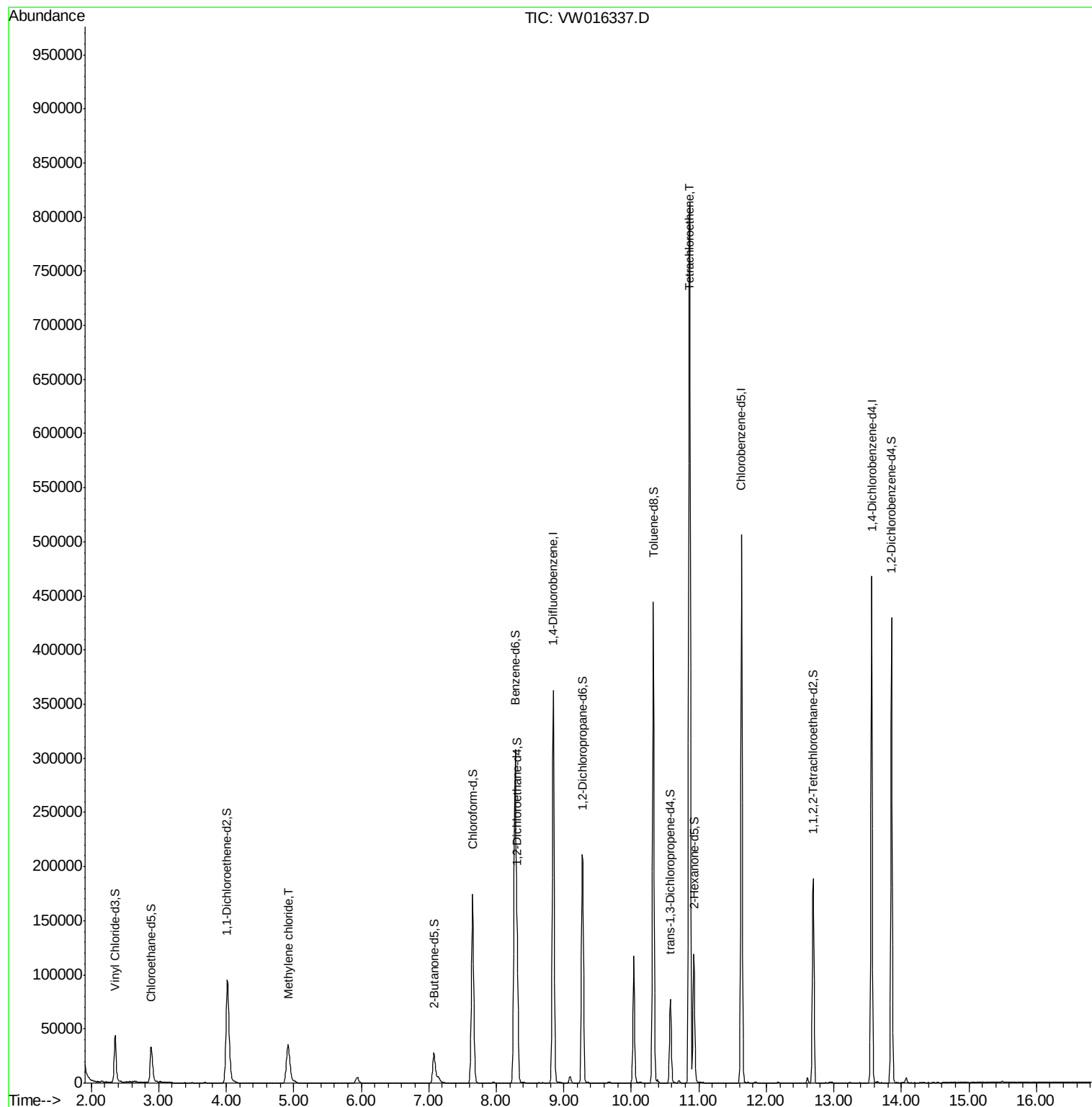
| Target Compounds       |       |     |        |             | Ovalue |
|------------------------|-------|-----|--------|-------------|--------|
| 16) Methylene chloride | 4.92  | 84  | 34615  | 5.823 ug/L  | 99     |
| 47) Tetrachloroethene  | 10.87 | 164 | 186525 | 49.619 ug/L | 98     |

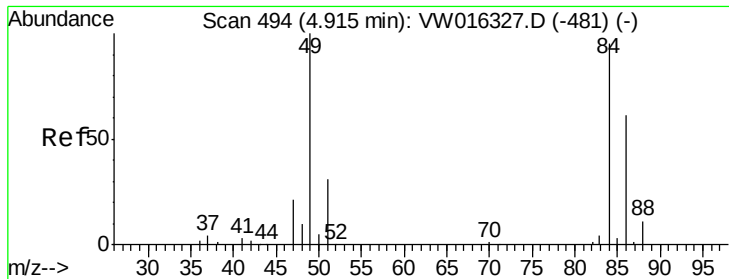
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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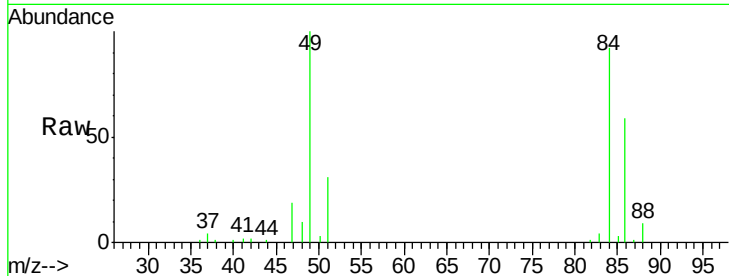




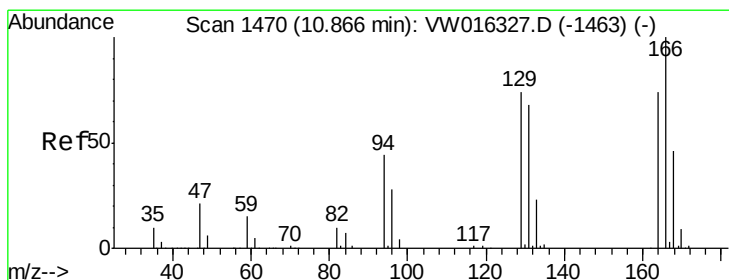
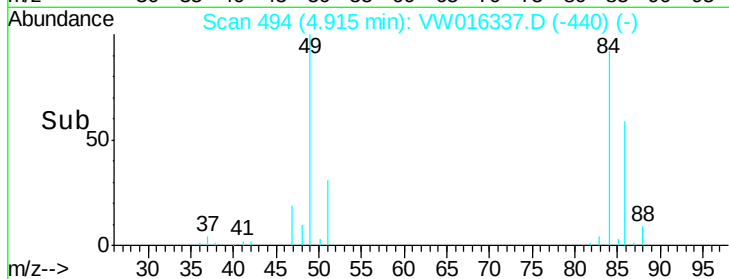
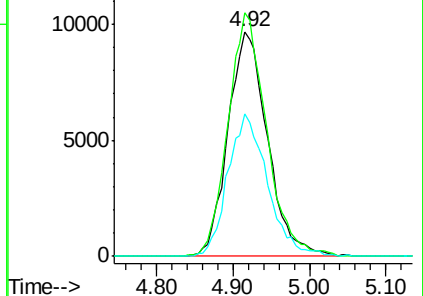
#16  
Methylene chloride  
Concen: 5.823 ug/L  
RT: 4.92 min Scan# 494  
Delta R.T. -0.00 min  
Lab File: VW016337.D  
Acq: 24 Aug 2020 17:52

Instrument :  
MSVOA\_W  
ClientSampleId :  
BFWQ8

Tot Ion: 84 Resp: 34615  
Ion Ratio Lower Upper  
84 100  
49 108.3 75.3 139.9  
86 63.7 43.3 80.3

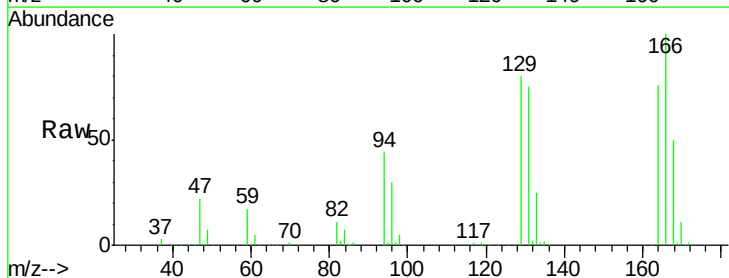


Abundance Ion 84.00 (83.70 to 84.70): VW  
Ion 49.00 (48.70 to 49.70): VW  
Ion 86.00 (85.70 to 86.70): VW



#47  
Tetrachloroethene  
Concen: 49.619 ug/L  
RT: 10.87 min Scan# 1470  
Delta R.T. -0.00 min  
Lab File: VW016337.D  
Acq: 24 Aug 2020 17:52

Tgt Ion: 164 Resp: 186525  
Ion Ratio Lower Upper  
164 100  
129 105.0 71.5 132.7  
131 99.2 67.4 125.2  
166 132.1 92.5 171.9



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

