

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080720\  
 Data File : VW016084.D  
 Acq On : 07 Aug 2020 20:57  
 Operator : SY/VA  
 Sample : L3564-20  
 Misc : 6.48G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BFSM2

Quant Time: Aug 08 05:36:45 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM072020S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Aug 08 05:08:58 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 303180   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 288963   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 129011   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 63381    | 14.82    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 59.28% |
| 7) Chloroethane-d5             | 2.89   | 69    | 55994    | 16.12    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 64.48% |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 107602   | 12.44    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 49.76% |
| 20) 2-Butanone-d5              | 7.08   | 46    | 45754    | 40.71    | ug/L | -0.01  |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 81.42% |
| 24) Chloroform-d               | 7.65   | 84    | 168895   | 19.84    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 79.36% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 89817    | 19.22    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 76.88% |
| 29) Benzene-d6                 | 8.28   | 84    | 328723   | 18.69    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 74.76% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 101794   | 19.30    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 77.20% |
| 37) Toluene-d8                 | 10.33  | 98    | 302259   | 18.97    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 75.88% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 40664    | 18.09    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 72.36% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 38785    | 44.17    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 88.34% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 89092    | 21.98    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 87.92% |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 113017   | 22.47    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 89.88% |

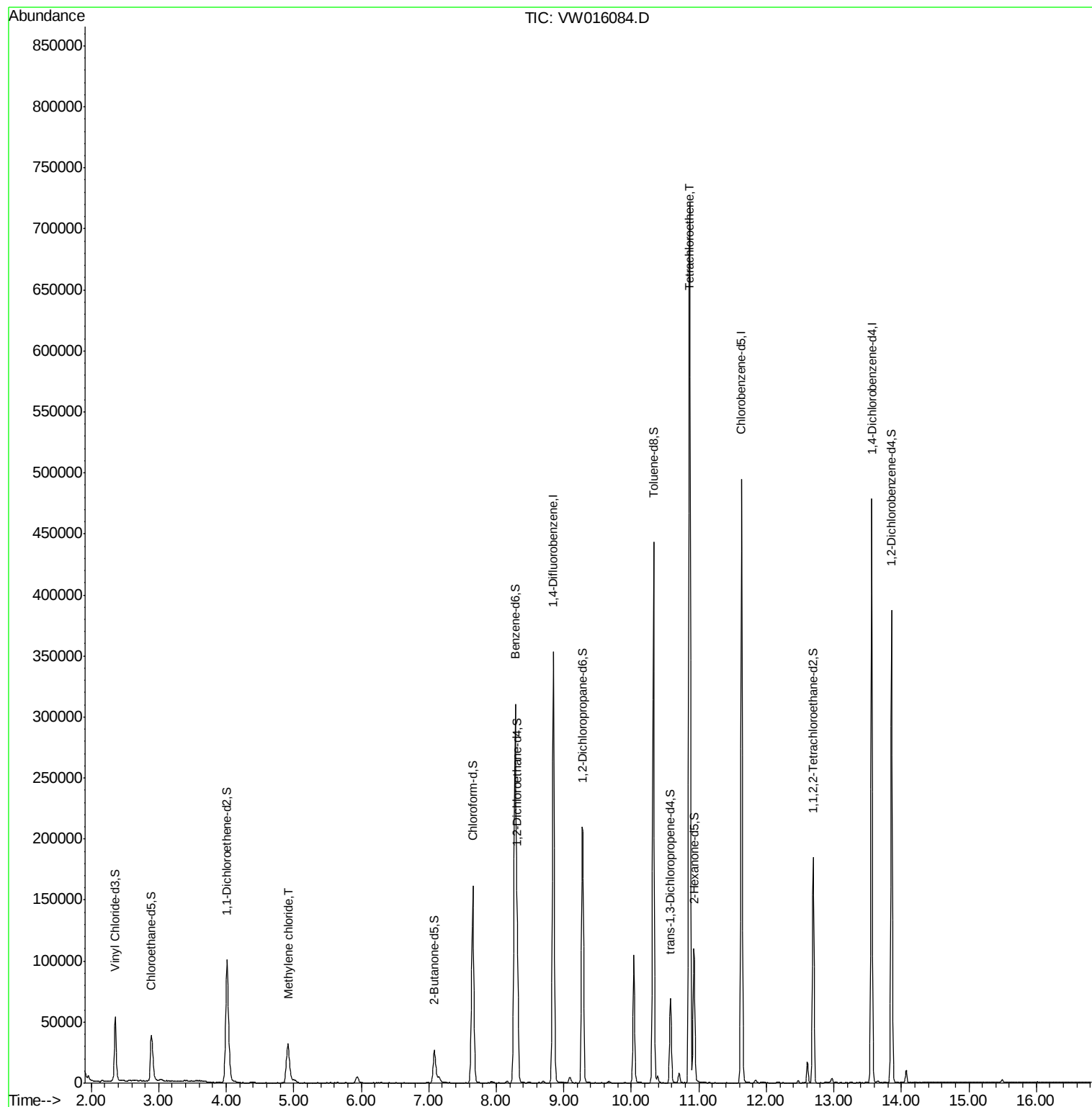
| Target Compounds       |       |     |        |             | Ovalue |
|------------------------|-------|-----|--------|-------------|--------|
| 16) Methylene chloride | 4.92  | 84  | 27995  | 5.635 ug/L  | 87     |
| 47) Tetrachloroethene  | 10.87 | 164 | 176107 | 48.869 ug/L | 91     |

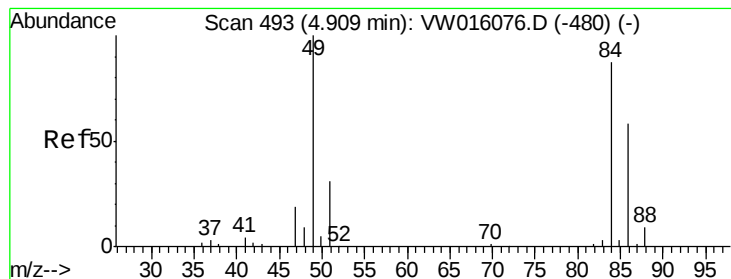
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Sat Aug 08 05:08:58 2020  
Response via : Initial Calibration





#16

Methylene chloride

Concen: 5.635 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW016084.D

Acq: 07 Aug 2020 20:57

Instrument :

MSVOA\_W

ClientSampleId :

BFSM2

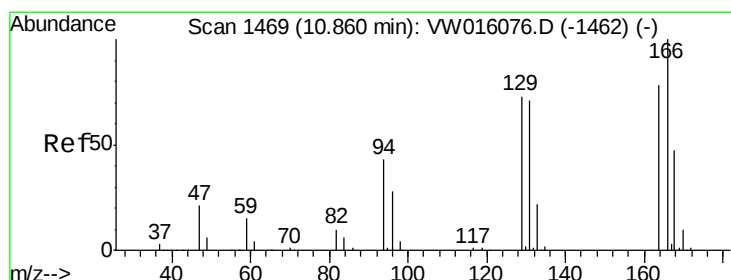
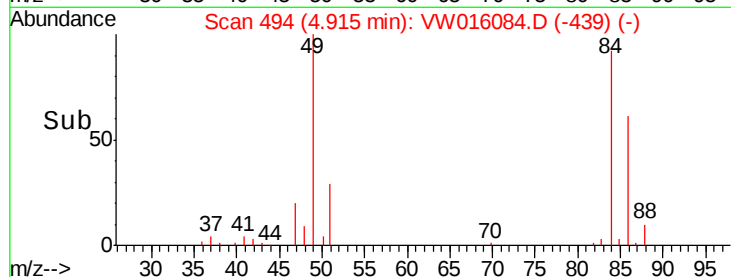
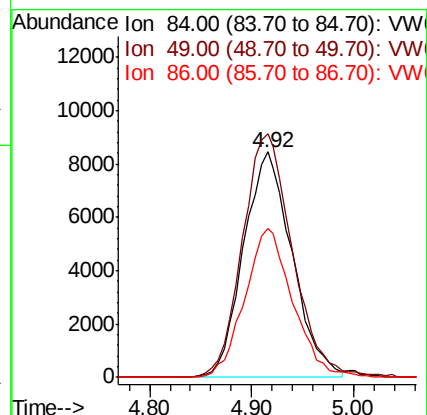
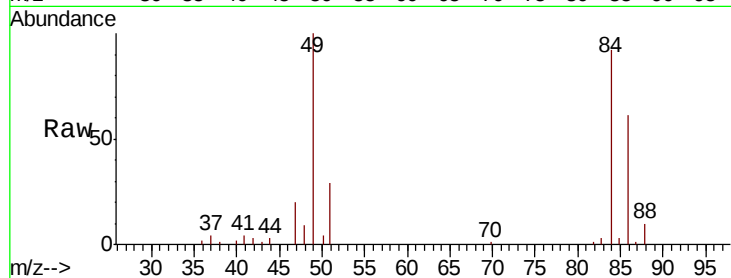
Tot Ion: 84 Resp: 27995

Ion Ratio Lower Upper

84 100

49 108.1 91.1 169.1

86 66.0 46.0 85.4



#47

Tetrachloroethene

Concen: 48.869 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VW016084.D

Acq: 07 Aug 2020 20:57

Tgt Ion: 164 Resp: 176107

Ion Ratio Lower Upper

164 100

129 87.0 70.0 130.0

131 86.9 67.3 124.9

166 119.5 88.5 164.3

