

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041019\  
 Data File : VW009897.D  
 Acq On : 10 Apr 2019 23:22  
 Operator : SY/VA  
 Sample : K2340-22  
 Misc : 5.52G/10ML/MSVOA W/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BF2S8

Quant Time: Apr 11 06:07:01 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM040319S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Apr 11 03:44:42 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 429121   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 417164   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 181204   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 108604   | 19.34    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 77.36%   |
| 7) Chloroethane-d5             | 2.89   | 69    | 103639   | 20.15    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 80.60%   |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 228705   | 18.94    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 75.76%   |
| 20) 2-Butanone-d5              | 7.07   | 46    | 145815   | 79.98    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 159.96%# |
| 24) Chloroform-d               | 7.65   | 84    | 320762   | 27.39    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 109.56%  |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 211643   | 29.44    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 117.76%  |
| 29) Benzene-d6                 | 8.27   | 84    | 562990   | 25.71    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 102.84%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 187786   | 27.76    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 111.04%  |
| 37) Toluene-d8                 | 10.32  | 98    | 488451   | 24.12    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 96.48%   |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 79072    | 24.51    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 98.04%   |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 111750   | 87.65    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 175.30%# |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 196104   | 31.19    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 124.76%# |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 188577   | 29.66    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 118.64%  |

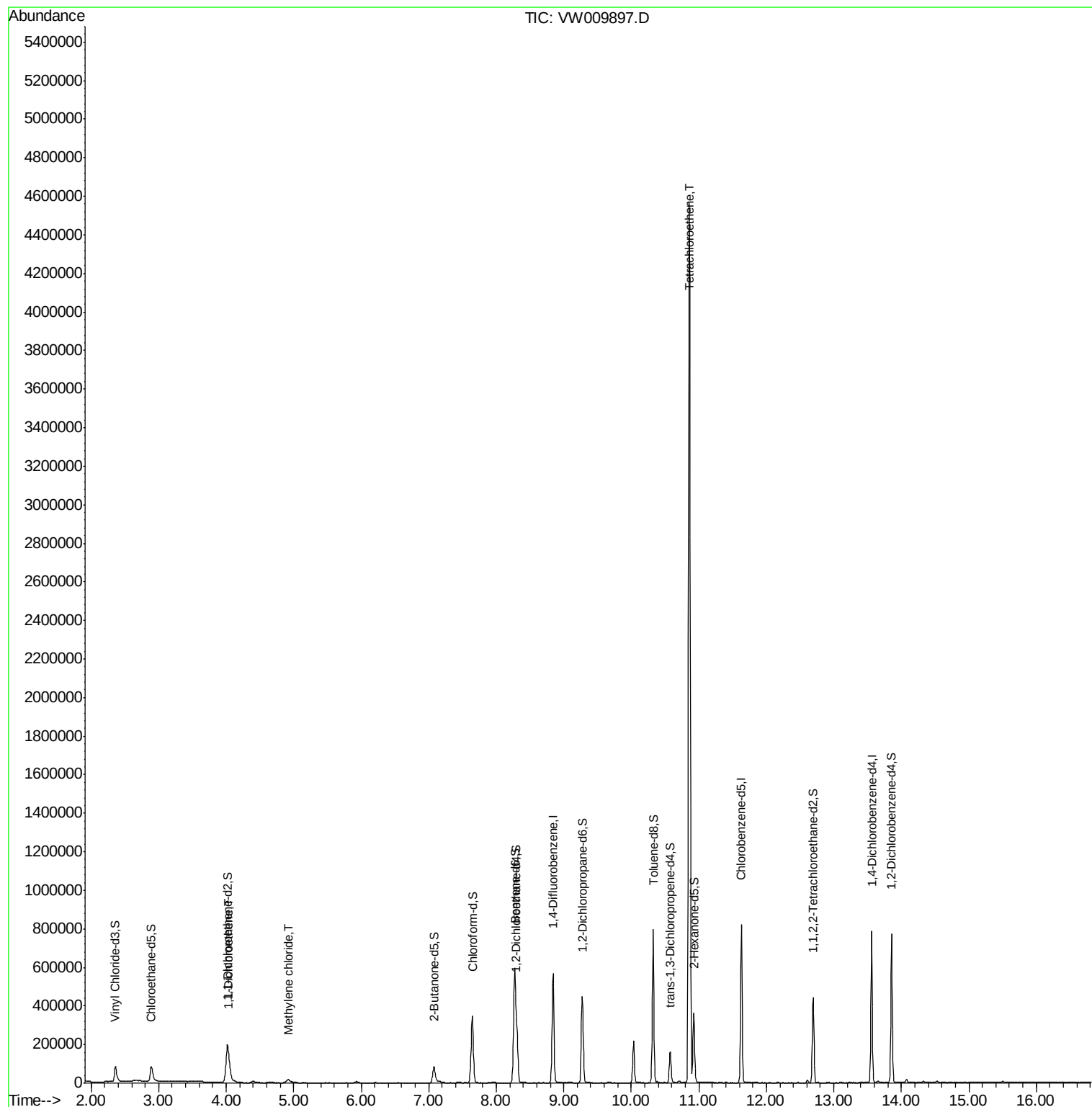
| Target Compounds       |       |     |        |              | Ovalue |
|------------------------|-------|-----|--------|--------------|--------|
| 12) 1,1-Dichloroethene | 4.04  | 96  | 25796  | 4.526 ug/L   | # 1    |
| 16) Methylene chloride | 4.92  | 84  | 14564  | 1.924 ug/L   | 77     |
| 47) Tetrachloroethene  | 10.86 | 164 | 922242 | 178.271 ug/L | 99     |

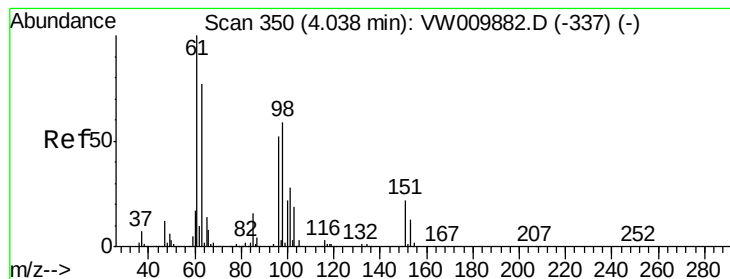
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 4.526 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW009897.D

Acq: 10 Apr 2019 23:22

Instrument :

MSVOA\_W

ClientSampled :

BF2S8

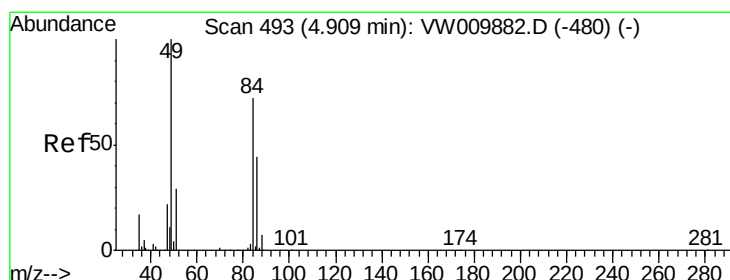
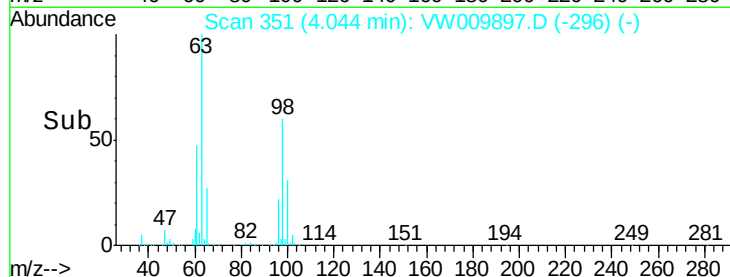
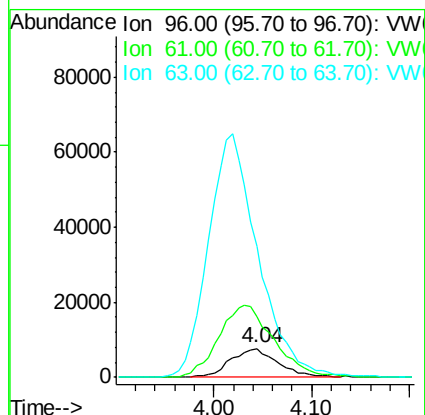
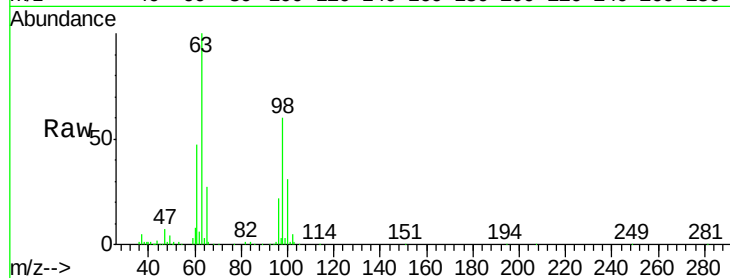
Tot Ion: 96 Resp: 25796

Ion Ratio Lower Upper

96 100

61 213.8 138.8 257.8

63 457.1 114.6 212.8#



#16

Methylene chloride

Concen: 1.924 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW009897.D

Acq: 10 Apr 2019 23:22

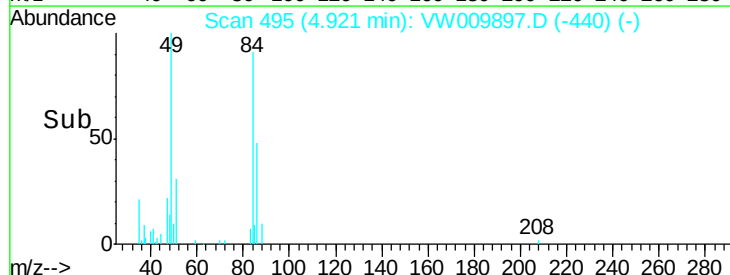
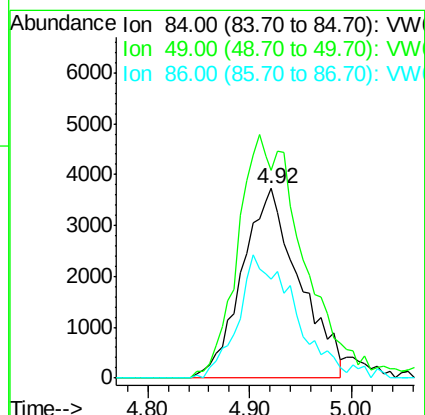
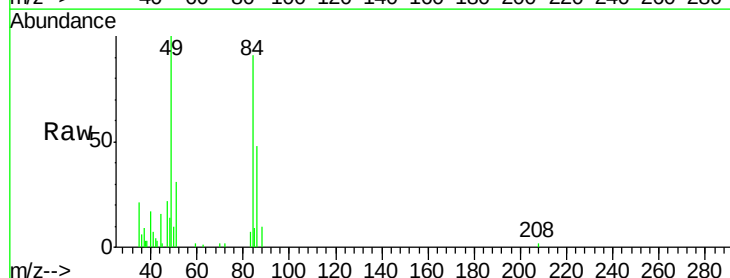
Tgt Ion: 84 Resp: 14564

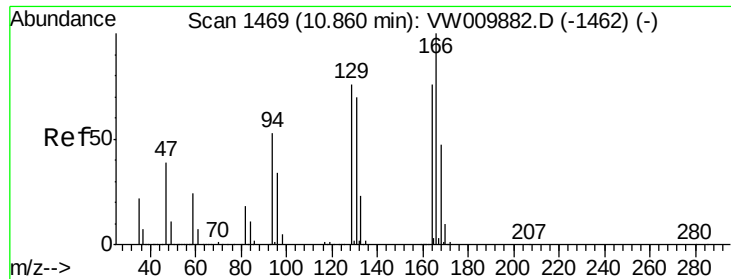
Ion Ratio Lower Upper

84 100

49 109.8 98.3 182.5

86 52.2 46.4 86.2





#47

Tetrachloroethene

Concen: 178.271 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW009897.D

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Instrument :

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ClientSampleId :

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Tot Ion:164 Resp: 922242

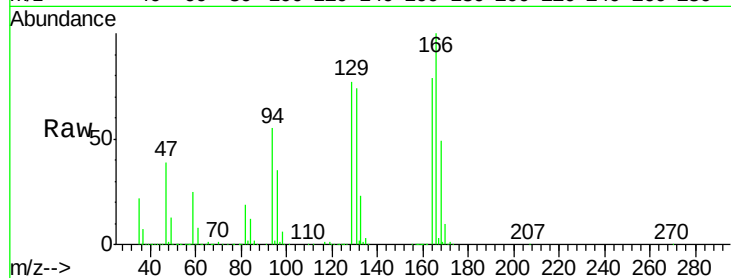
Ion Ratio Lower Upper

164 100

129 97.5 68.9 127.9

131 93.4 63.1 117.1

166 126.5 88.5 164.4



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

