

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090920\  
 Data File : VW016500.D  
 Acq On : 09 Sep 2020 16:32  
 Operator : SY/VA  
 Sample : L3950-06  
 Misc : 6.04G/10ML/MSVOA W/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BFWW2

Quant Time: Sep 10 05:16:46 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM090320S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Sep 10 05:09:14 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 723057   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 659148   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 280376   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.37   | 65    | 206537   | 26.92    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 107.68% |
| 7) Chloroethane-d5             | 2.90   | 69    | 179365   | 26.04    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 104.16% |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 309573   | 17.55    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 70.20%  |
| 20) 2-Butanone-d5              | 7.09   | 46    | 84586    | 30.87    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 61.74%  |
| 24) Chloroform-d               | 7.65   | 84    | 405081   | 23.92    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 95.68%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 207833   | 22.44    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 89.76%  |
| 29) Benzene-d6                 | 8.28   | 84    | 808349   | 24.12    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 96.48%  |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 227591   | 23.12    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 92.48%  |
| 37) Toluene-d8                 | 10.33  | 98    | 781025   | 24.52    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 98.08%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 106972   | 21.54    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 86.16%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 72914    | 36.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 72.48%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 165506   | 19.88    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 79.52%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 240960   | 24.87    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 99.48%  |

## Target Compounds

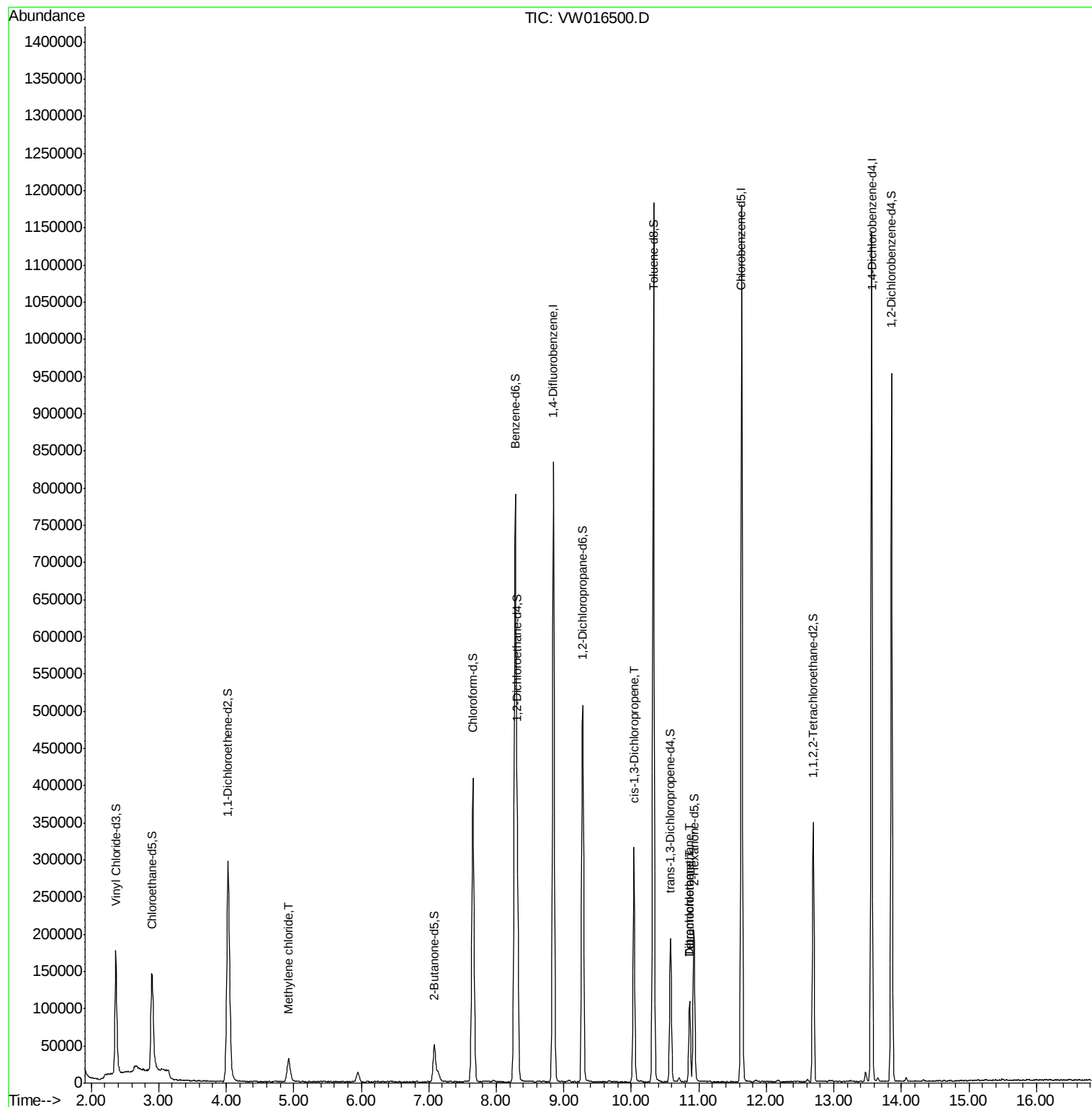
|                             |       |     |       |              | Ovalue |
|-----------------------------|-------|-----|-------|--------------|--------|
| 16) Methylene chloride      | 4.92  | 84  | 25978 | 2.302 ug/L   | 88     |
| 42) cis-1,3-Dichloropropene | 10.04 | 75  | 8468  | 0.560 ug/L # | 73     |
| 47) Tetrachloroethene       | 10.87 | 164 | 22452 | 2.804 ug/L   | 96     |
| 50) Dibromochloromethane    | 10.87 | 129 | 22551 | 2.525 ug/L # | 10     |

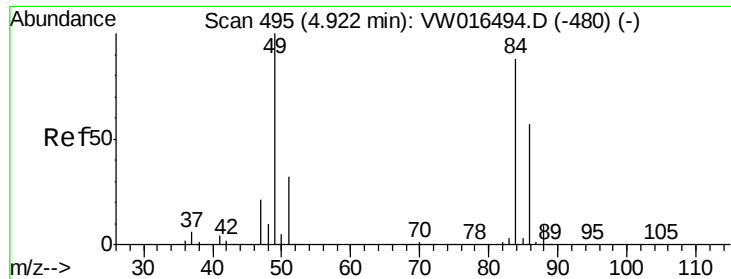
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BFWW2

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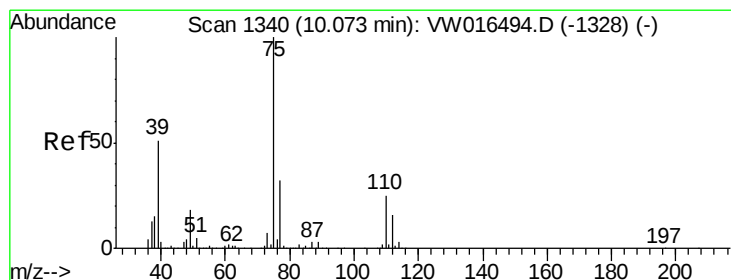
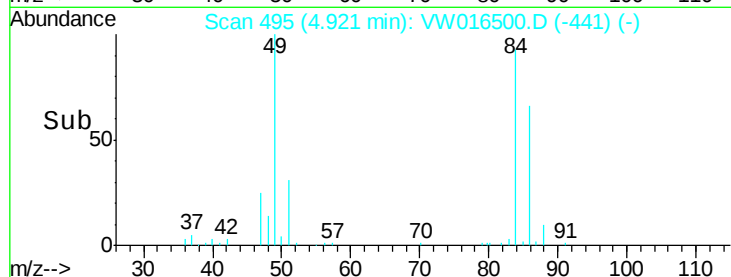
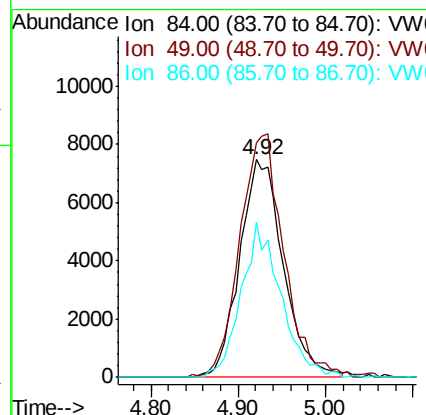
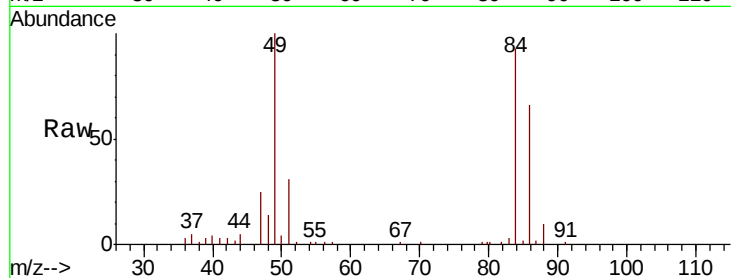




#16  
Methylene chloride  
Concen: 2.302 ug/L  
RT: 4.92 min Scan# 495  
Delta R.T. -0.00 min  
Lab File: VW016500.D  
Acq: 09 Sep 2020 16:32

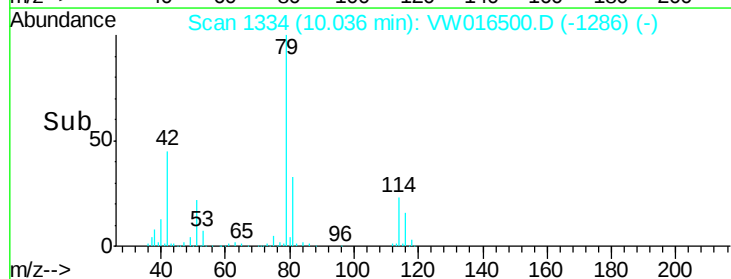
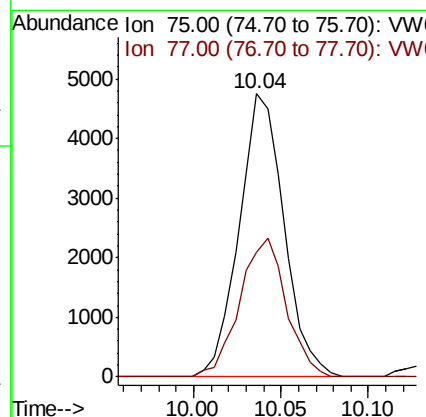
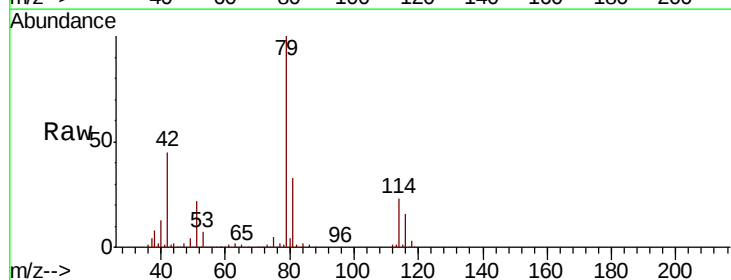
Instrument :  
MSVOA\_W  
ClientSampled :  
BFWW2

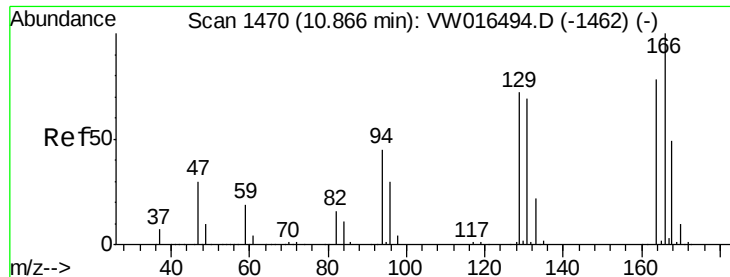
Tot Ion: 84 Resp: 25978  
Ion Ratio Lower Upper  
84 100  
49 107.7 86.7 160.9  
86 71.3 44.9 83.5



#42  
cis-1,3-Dichloropropene  
Concen: 0.560 ug/L  
RT: 10.04 min Scan# 1334  
Delta R.T. -0.04 min  
Lab File: VW016500.D  
Acq: 09 Sep 2020 16:32

Tgt Ion: 75 Resp: 8468  
Ion Ratio Lower Upper  
75 100  
77 44.3 20.9 38.7#





#47

Tetrachloroethene

Concen: 2.804 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW016500.D

Acq: 09 Sep 2020 16:32

Instrument :

MSVOA\_W

ClientSampleId :

BFWW2

Tot Ion:164 Resp: 22452

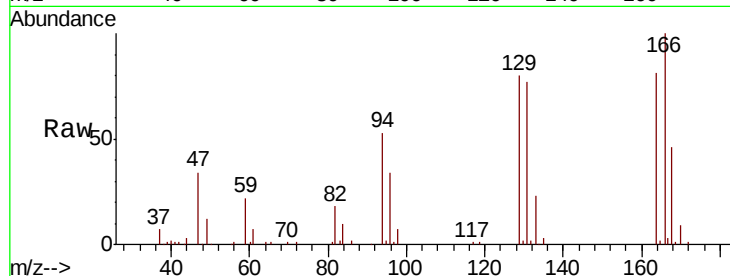
Ion Ratio Lower Upper

164 100

129 97.9 65.7 121.9

131 94.9 61.1 113.5

166 122.8 85.0 157.8

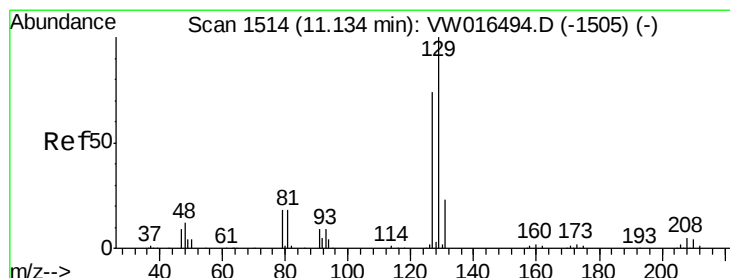
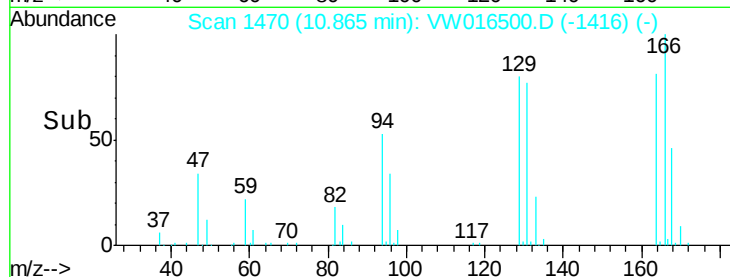
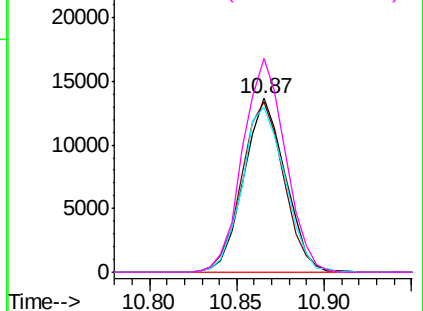


Abundance Ion 164.00 (163.70 to 164.70): V

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



#50

Dibromochloromethane

Concen: 2.525 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.27 min

Lab File: VW016500.D

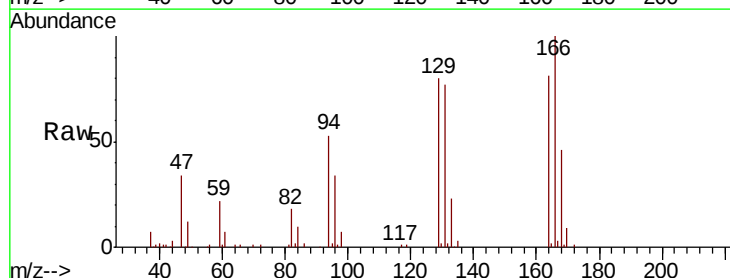
Acq: 09 Sep 2020 16:32

Tgt Ion:129 Resp: 22551

Ion Ratio Lower Upper

129 100

127 0.0 55.4 103.0#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

