

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112420\  
 Data File : VW017478.D  
 Acq On : 24 Nov 2020 17:31  
 Operator : SY/VA  
 Sample : VIBLK  
 Misc : 5.00G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Nov 25 01:47:55 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM112420S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Nov 25 01:45:49 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 455738   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 414112   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 201093   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 95837    | 15.99    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 63.96% |
| 7) Chloroethane-d5             | 2.89   | 69    | 84544    | 16.71    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 66.84% |
| 10) 1,1-Dichloroethene-d2      | 4.03   | 63    | 171542   | 12.85    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 51.40% |
| 20) 2-Butanone-d5              | 7.09   | 46    | 54946    | 43.46    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 86.92% |
| 24) Chloroform-d               | 7.65   | 84    | 249136   | 19.24    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 76.96% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 128725   | 20.26    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 81.04% |
| 29) Benzene-d6                 | 8.27   | 84    | 486253   | 19.09    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 76.36% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 141590   | 20.09    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 80.36% |
| 37) Toluene-d8                 | 10.33  | 98    | 450913   | 19.44    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 77.76% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 58846    | 18.69    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 74.76% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 37987    | 43.56    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 87.12% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 108813   | 21.46    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 85.84% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 163264   | 21.93    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 87.72% |

## Target Compounds

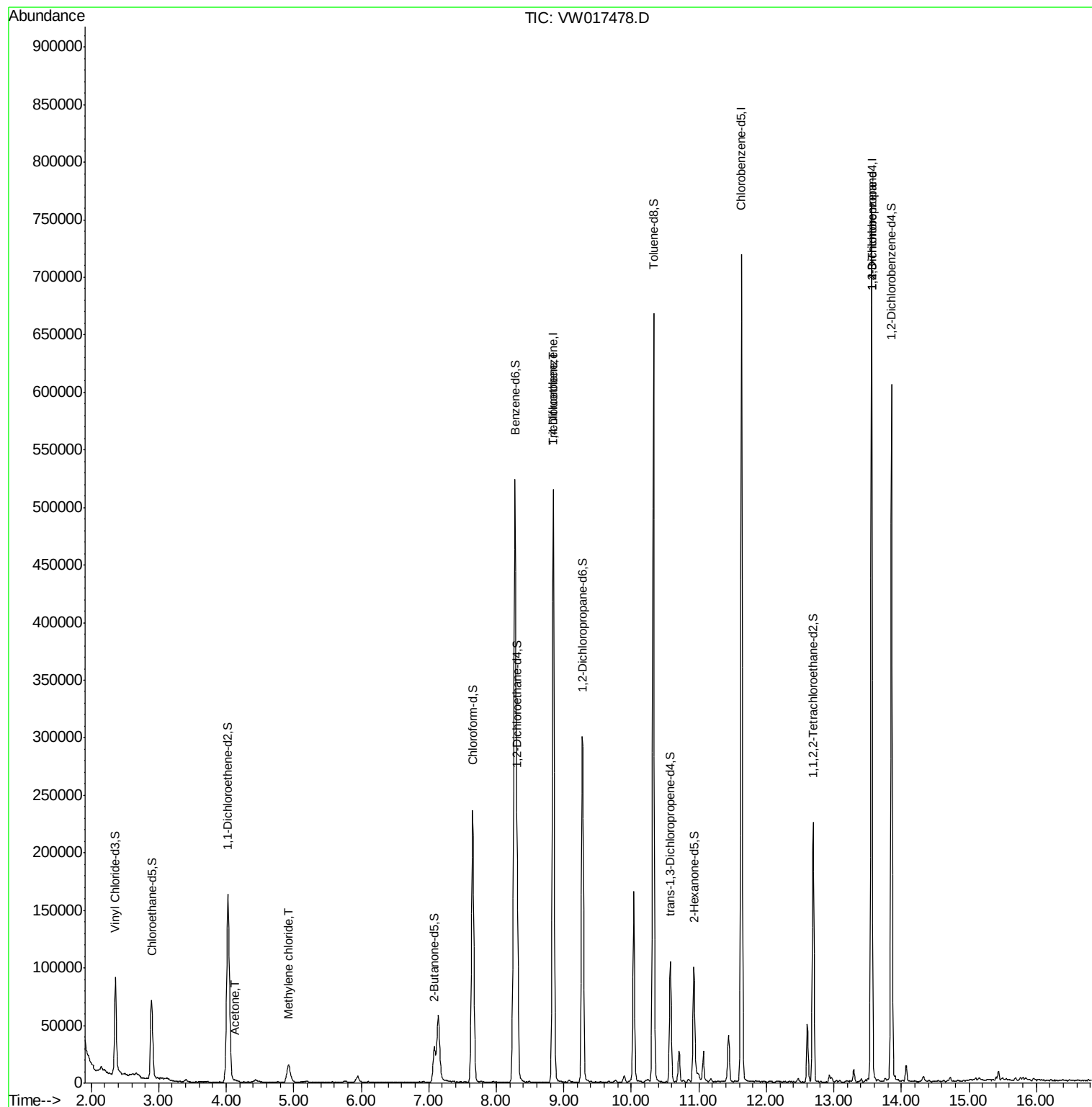
|                            |       |    |       |              | Ovalue |
|----------------------------|-------|----|-------|--------------|--------|
| 13) Acetone                | 4.14  | 43 | 1957  | 1.609 ug/L   | 63     |
| 16) Methylene chloride     | 4.92  | 84 | 13259 | 1.938 ug/L   | 97     |
| 35) Trichloroethene        | 8.84  | 95 | 13732 | 1.990 ug/L # | 3      |
| 59) 1,2,3-Trichloropropane | 13.56 | 75 | 22668 | 6.514 ug/L   | 97     |

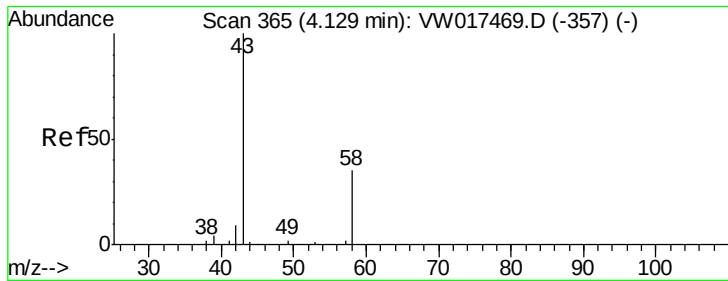
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_W  
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#13

Acetone

Concen: 1.609 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW017478.D

Acq: 24 Nov 2020 17:31

Instrument :

MSVOA\_W

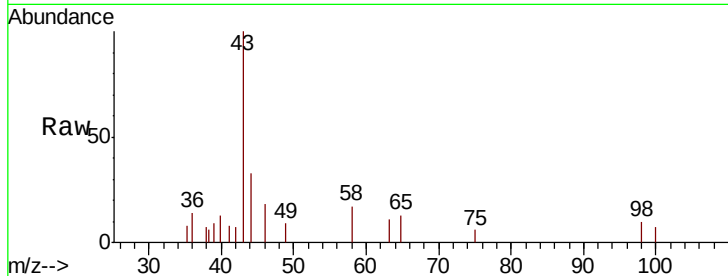
ClientSampled :

Tot Ion: 43 Resp: 1957

Ion Ratio Lower Upper

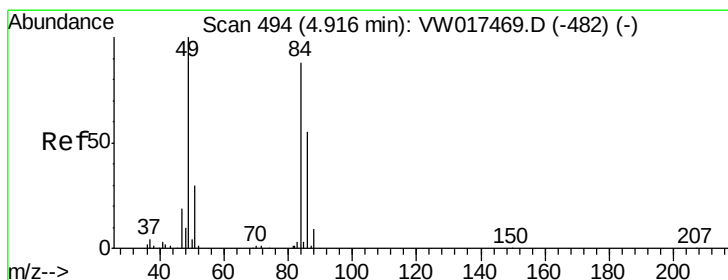
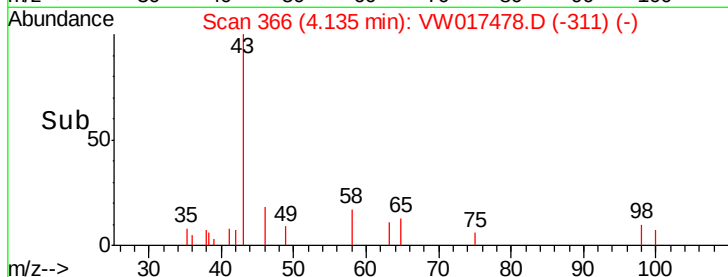
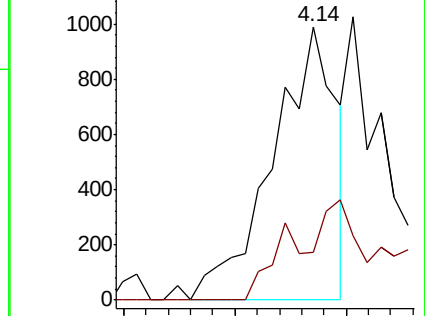
43 100

58 12.8 0.0 68.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#16

Methylene chloride

Concen: 1.938 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW017478.D

Acq: 24 Nov 2020 17:31

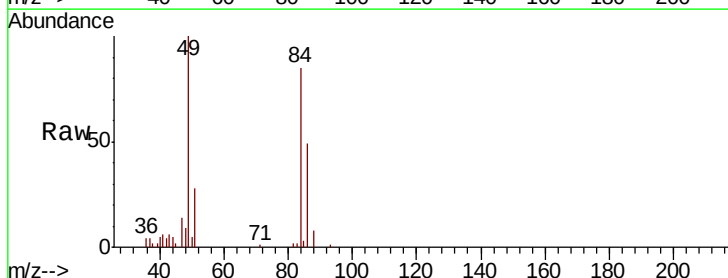
Tgt Ion: 84 Resp: 13259

Ion Ratio Lower Upper

84 100

49 117.3 81.2 150.8

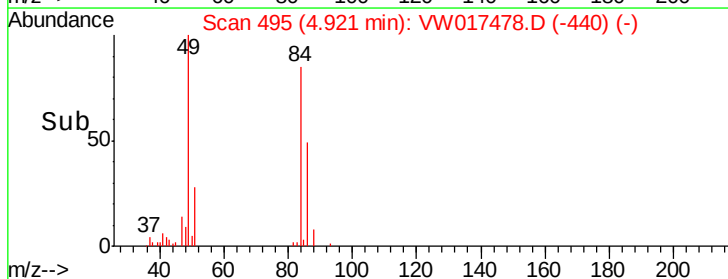
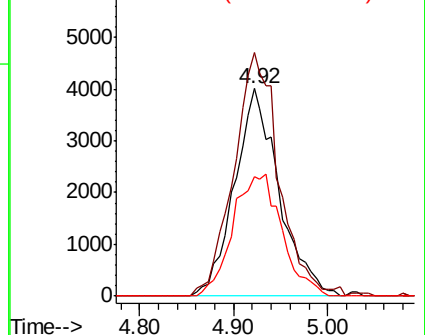
86 57.8 44.5 82.7

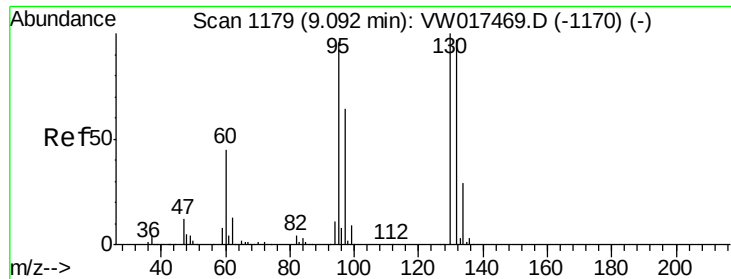


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





#35

Trichloroethene

Concen: 1.990 ug/L

RT: 8.84 min Scan# 1138

Delta R.T. -0.25 min

Lab File: VW017478.D

Acq: 24 Nov 2020 17:31

Instrument :

MSVOA\_W

ClientSampled :

Tot Ion: 95 Resp: 13732

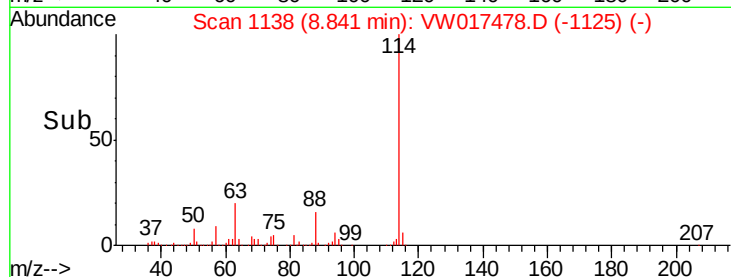
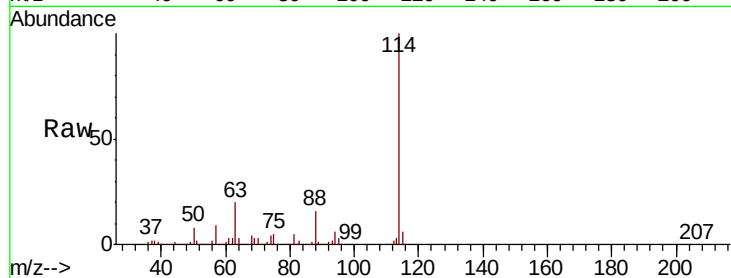
Ion Ratio Lower Upper

95 100

97 0.0 45.0 83.6#

132 0.0 71.0 131.8#

130 0.0 75.6 140.4#

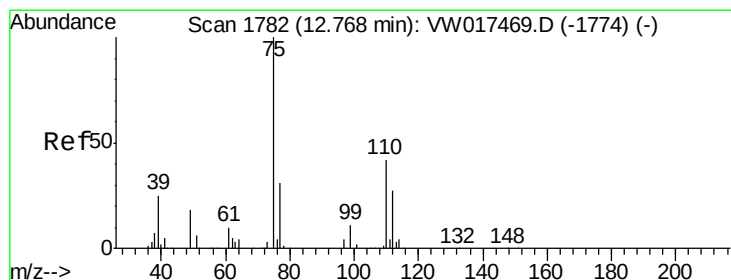
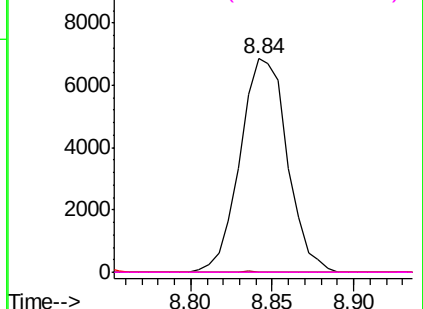


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#59

1,2,3-Trichloropropane

Concen: 6.514 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW017478.D

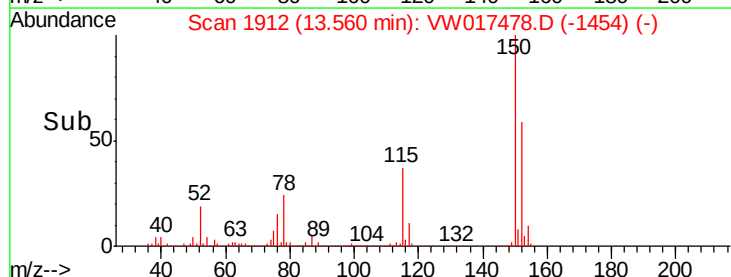
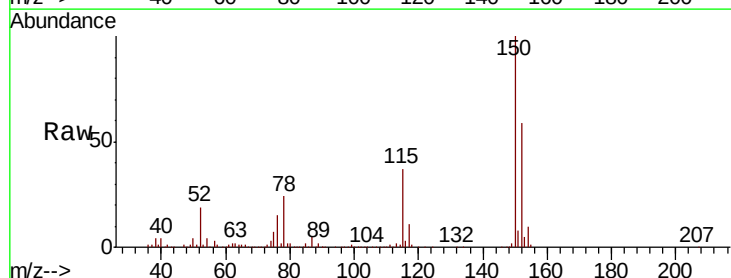
Acq: 24 Nov 2020 17:31

Tgt Ion: 75 Resp: 22668

Ion Ratio Lower Upper

75 100

77 34.7 26.6 39.8



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

