

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090320\  
 Data File : VW016453.D  
 Acq On : 03 Sep 2020 18:06  
 Operator : SY/VA  
 Sample : L3905-09  
 Misc : 5.92G/10ML/MSVOA W/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Sep 04 05:37:46 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM090320S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Sep 04 04:59:18 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 929809   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 806797   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 363670   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 276799   | 28.06    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 112.24% |
| 7) Chloroethane-d5             | 2.90   | 69    | 223416   | 25.22    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 100.88% |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 402506   | 17.75    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 71.00%  |
| 20) 2-Butanone-d5              | 7.08   | 46    | 106876   | 30.34    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 60.68%  |
| 24) Chloroform-d               | 7.65   | 84    | 484856   | 22.26    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 89.04%  |
| 26) 1,2-Dichloroethane-d4      | 8.55   | 65    | 90       | 0.01     | ug/L | 0.24    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 0.04%#  |
| 29) Benzene-d6                 | 8.28   | 84    | 1020551  | 24.88    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 99.52%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 276759   | 22.97    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 91.88%  |
| 37) Toluene-d8                 | 10.33  | 98    | 977468   | 25.07    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 100.28% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 131707   | 21.66    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 86.64%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 85630    | 34.77    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 69.54%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 193487   | 18.99    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 75.96%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 306379   | 24.38    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 97.52%  |

## Target Compounds

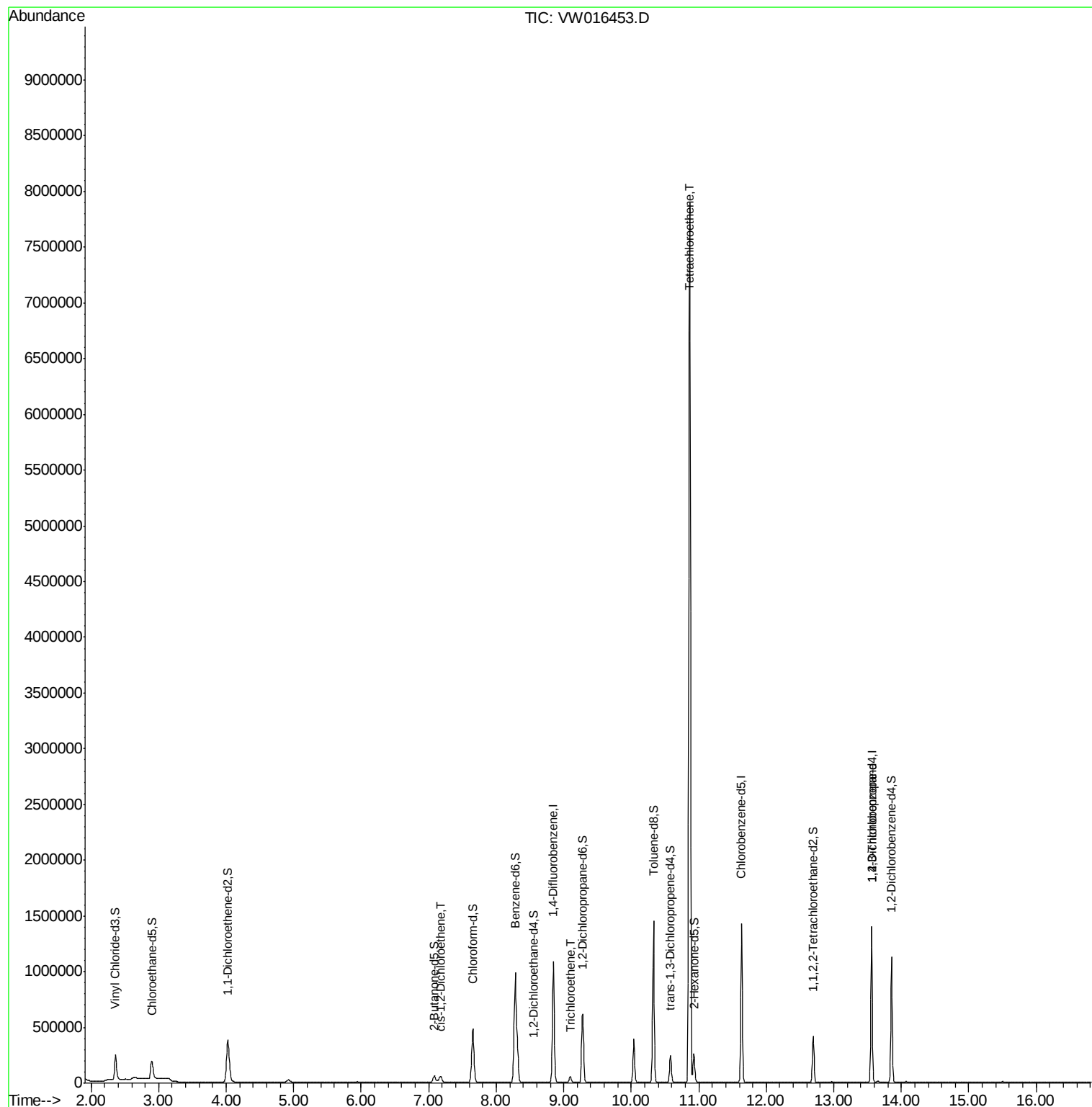
|                            |       |     |         |              | Ovalue |
|----------------------------|-------|-----|---------|--------------|--------|
| 22) cis-1,2-Dichloroethene | 7.17  | 96  | 32472   | 2.561 ug/L   | 98     |
| 35) Trichloroethene        | 9.10  | 95  | 16835   | 1.377 ug/L   | 98     |
| 47) Tetrachloroethene      | 10.87 | 164 | 1693929 | 172.848 ug/L | 98     |
| 59) 1,2,3-Trichloropropane | 13.56 | 75  | 43945   | 5.706 ug/L   | 90     |

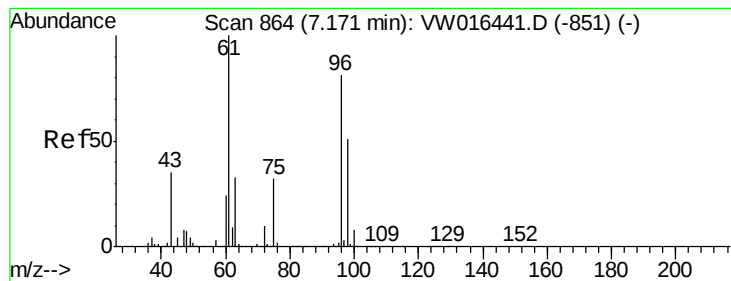
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_W  
ClientSampleId :

Quant Time: Sep 04 05:37:46 2020  
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Quant Title : VOC Analysis  
QLast Update : Fri Sep 04 04:59:18 2020  
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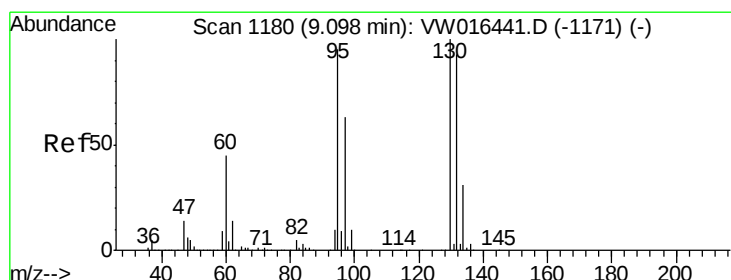
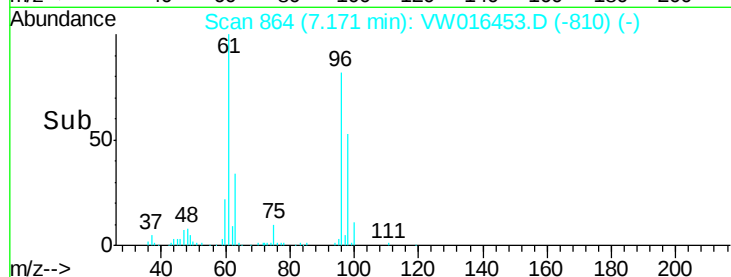
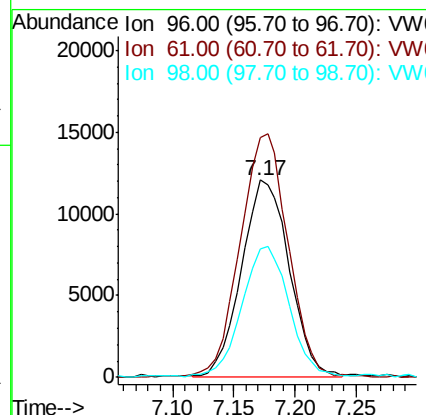
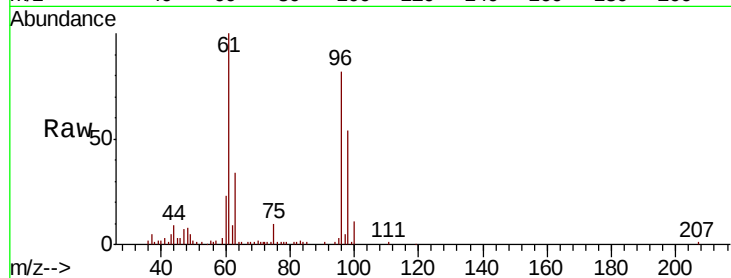


#22

cis-1,2-Dichloroethene  
Concen: 2.561 ug/L  
RT: 7.17 min Scan# 864  
Delta R.T. 0.00 min  
Lab File: VW016453.D  
Acq: 03 Sep 2020 18:06

Instrument :  
MSVOA\_W  
ClientSampleId :

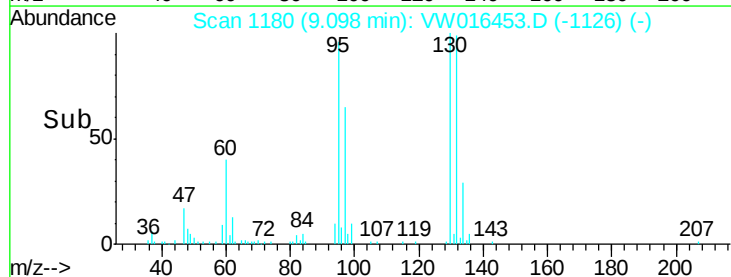
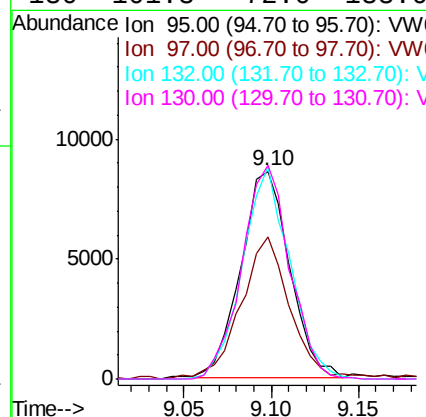
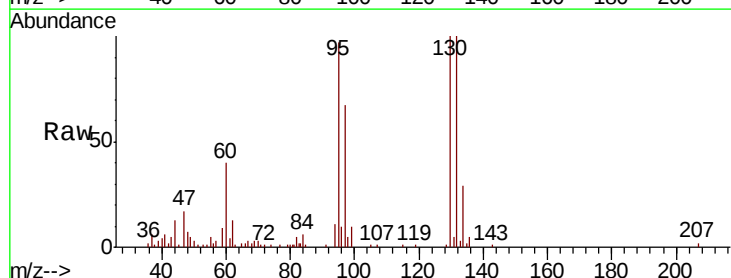
Tot Ion: 96 Resp: 32472  
Ion Ratio Lower Upper  
96 100  
61 121.3 86.1 159.9  
98 65.1 44.1 81.9

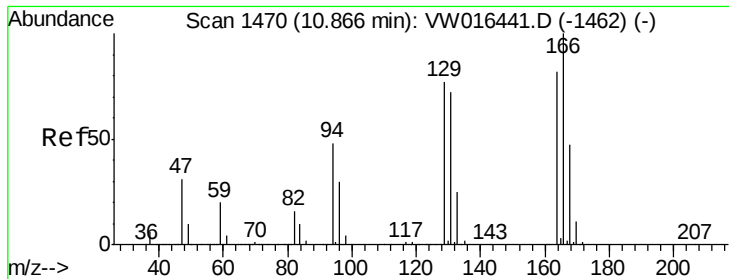


#35

Trichloroethene  
Concen: 1.377 ug/L  
RT: 9.10 min Scan# 1180  
Delta R.T. 0.00 min  
Lab File: VW016453.D  
Acq: 03 Sep 2020 18:06

Tgt Ion: 95 Resp: 16835  
Ion Ratio Lower Upper  
95 100  
97 67.7 44.9 83.5  
132 99.2 69.2 128.4  
130 101.3 72.0 133.6

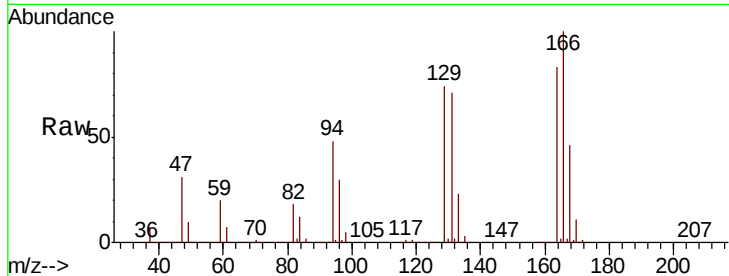




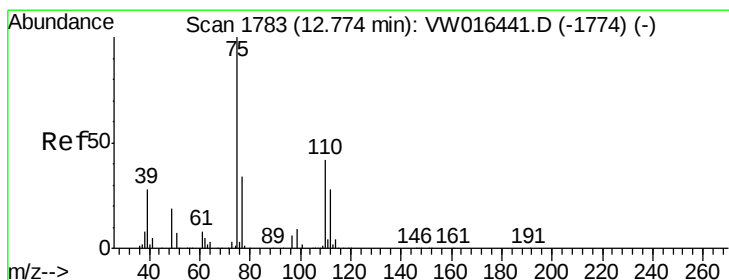
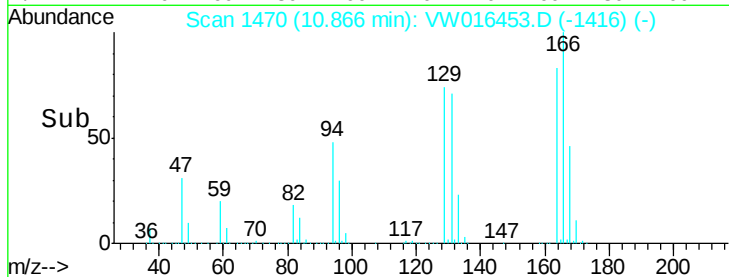
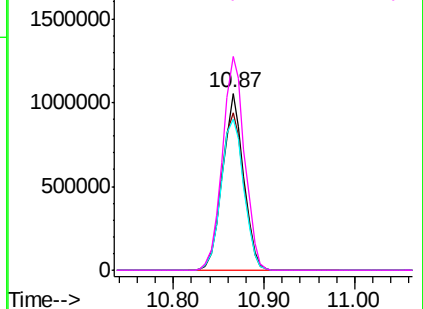
#47  
Tetrachloroethene  
Concen: 172.848 ug/L  
RT: 10.87 min Scan# 1470  
Delta R.T. 0.00 min  
Lab File: VW016453.D  
Acq: 03 Sep 2020 18:06

Instrument :  
MSVOA\_W  
ClientSampled :

Tot Ion:164 Resp: 1693929  
Ion Ratio Lower Upper  
164 100  
129 89.4 65.7 121.9  
131 85.7 61.1 113.5  
166 120.8 85.0 157.8

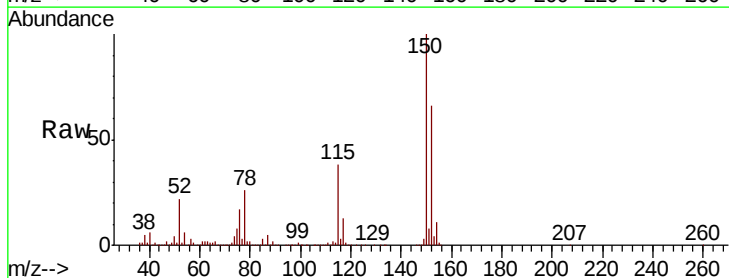


Abundance Ion 164.00 (163.70 to 164.70): V  
2000000  
Ion 129.00 (128.70 to 129.70): V  
Ion 131.00 (130.70 to 131.70): V  
Ion 166.00 (165.70 to 166.70): V



#59  
1,2,3-Trichloropropane  
Concen: 5.706 ug/L  
RT: 13.56 min Scan# 1912  
Delta R.T. 0.79 min  
Lab File: VW016453.D  
Acq: 03 Sep 2020 18:06

Tgt Ion: 75 Resp: 43945  
Ion Ratio Lower Upper  
75 100  
77 38.2 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VW  
30000  
Ion 77.00 (76.70 to 77.70): VW

