

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061220\  
 Data File : VW015598.D  
 Acq On : 12 Jun 2020 11:26  
 Operator : SY/VA  
 Sample : L2959-04  
 Misc : 5.05G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Jun 13 00:24:31 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM052620S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Jun 13 00:17:50 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 309216   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 282533   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 126904   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 62278    | 21.98    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 87.92%  |
| 7) Chloroethane-d5             | 2.90   | 69    | 71230    | 25.28    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 101.12% |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 111207   | 16.11    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 64.44%  |
| 20) 2-Butanone-d5              | 7.09   | 46    | 48354    | 52.27    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 104.54% |
| 24) Chloroform-d               | 7.65   | 84    | 175787   | 24.58    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 98.32%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 104540   | 26.28    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 105.12% |
| 29) Benzene-d6                 | 8.28   | 84    | 350101   | 25.27    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 101.08% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 106541   | 25.30    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 101.20% |
| 37) Toluene-d8                 | 10.32  | 98    | 327920   | 24.34    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 97.36%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 40046    | 20.56    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 82.24%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 37232    | 51.07    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 102.14% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 79902    | 25.20    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 100.80% |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 109246   | 25.69    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 102.76% |

## Target Compounds

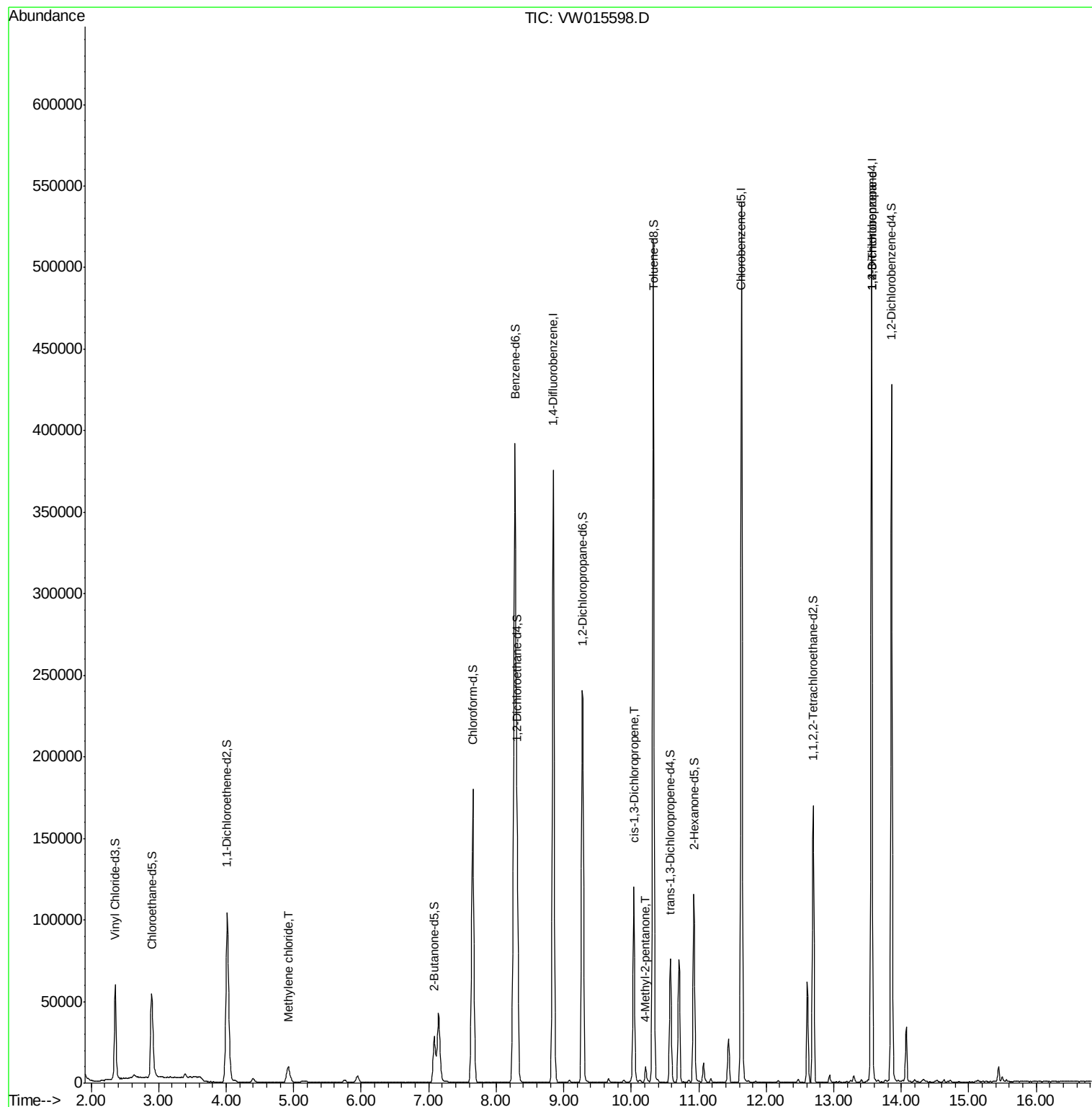
|                             |       |    |       |              | Ovalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 16) Methylene chloride      | 4.92  | 84 | 7280  | 1.918 ug/L   | 89     |
| 42) cis-1,3-Dichloropropene | 10.04 | 75 | 3445  | 0.553 ug/L # | 71     |
| 43) 4-Methyl-2-pentanone    | 10.21 | 43 | 6159  | 2.700 ug/L   | 98     |
| 59) 1,2,3-Trichloropropane  | 13.56 | 75 | 16251 | 6.801 ug/L   | 89     |

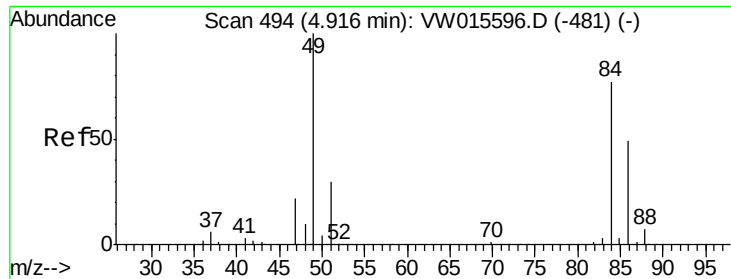
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :

Quant Time: Jun 13 00:24:31 2020  
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Quant Title : VOC Analysis  
QLast Update : Sat Jun 13 00:17:50 2020  
Response via : Initial Calibration

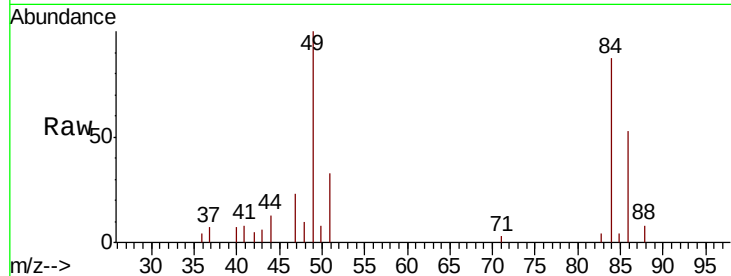




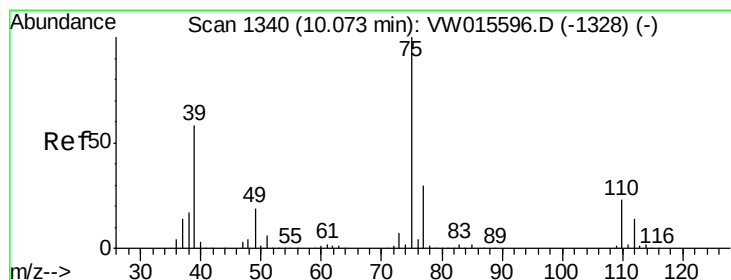
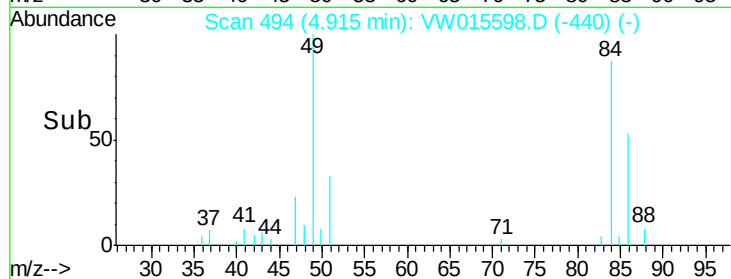
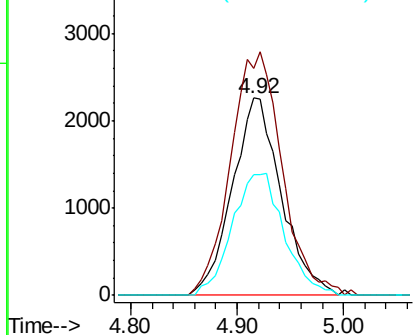
#16  
Methylene chloride  
Concen: 1.918 ug/L  
RT: 4.92 min Scan# 494  
Delta R.T. -0.00 min  
Lab File: VW015598.D  
Acq: 12 Jun 2020 11:26

Instrument :  
MSVOA\_W  
ClientSampleId :

Tot Ion: 84 Resp: 7280  
Ion Ratio Lower Upper  
84 100  
49 114.9 93.0 172.8  
86 61.0 44.7 83.1

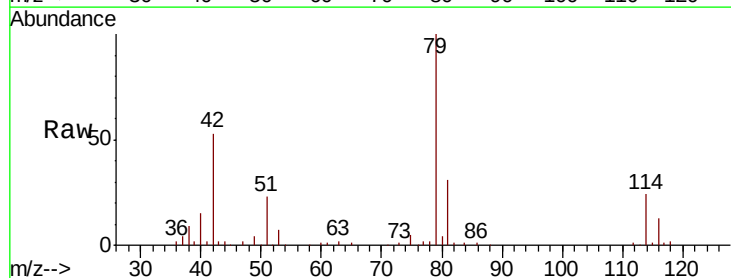


Abundance Ion 84.00 (83.70 to 84.70): VW  
Ion 49.00 (48.70 to 49.70): VW  
Ion 86.00 (85.70 to 86.70): VW

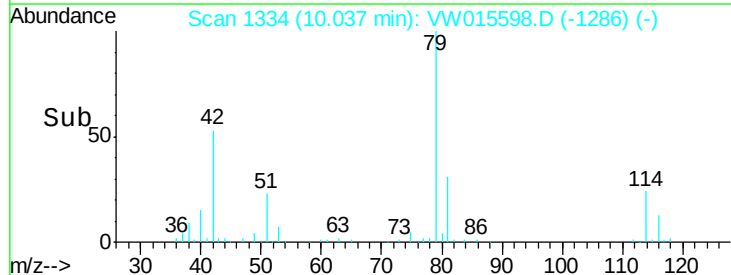
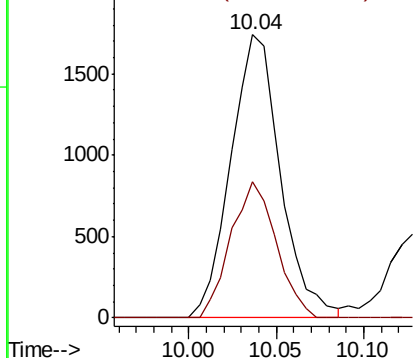


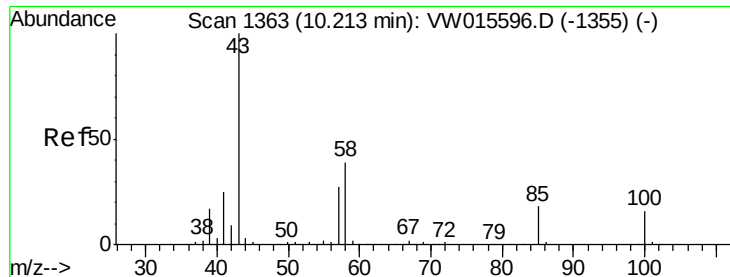
#42  
cis-1,3-Dichloropropene  
Concen: 0.553 ug/L  
RT: 10.04 min Scan# 1334  
Delta R.T. -0.04 min  
Lab File: VW015598.D  
Acq: 12 Jun 2020 11:26

Tgt Ion: 75 Resp: 3445  
Ion Ratio Lower Upper  
75 100  
77 48.1 22.3 41.5#



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

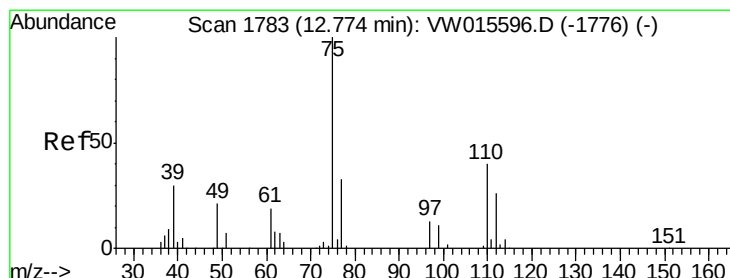
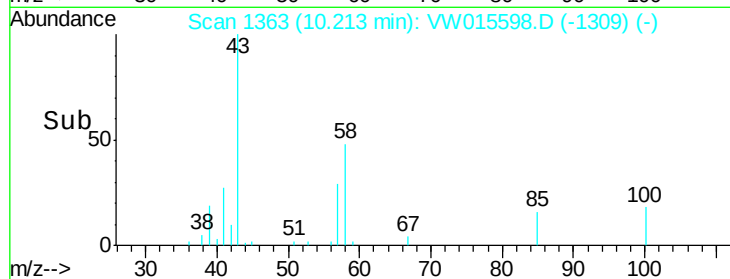
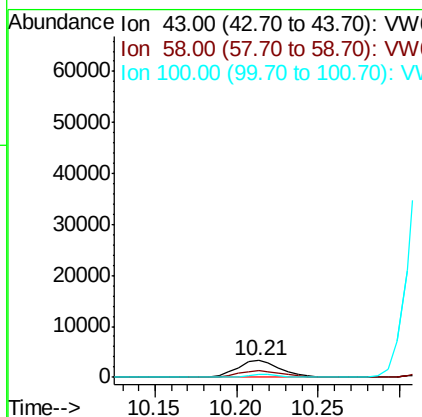
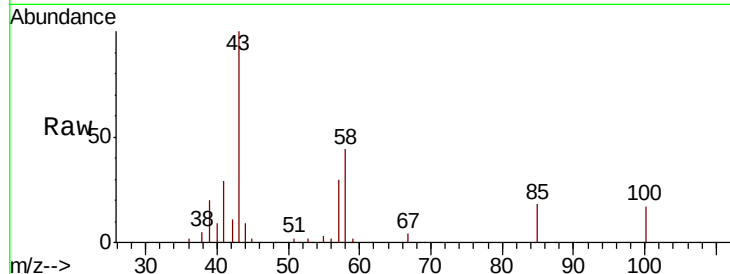




#43  
4-Methyl-2-pentanone  
Concen: 2.700 ug/L  
RT: 10.21 min Scan# 1363  
Delta R.T. -0.00 min  
Lab File: VW015598.D  
Acq: 12 Jun 2020 11:26

Instrument :  
MSVOA\_W  
ClientSampleId :

Tot Ion: 43 Resp: 6159  
Ion Ratio Lower Upper  
43 100  
58 40.2 30.6 46.0  
100 15.3 12.5 18.7



#59  
1,2,3-Trichloropropane  
Concen: 6.801 ug/L  
RT: 13.56 min Scan# 1912  
Delta R.T. 0.79 min  
Lab File: VW015598.D  
Acq: 12 Jun 2020 11:26

Tgt Ion: 75 Resp: 16251  
Ion Ratio Lower Upper  
75 100  
77 38.4 25.9 38.9

