

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072220\  
 Data File : VW015904.D  
 Acq On : 22 Jul 2020 12:48  
 Operator : SY/VA  
 Sample : L3348-16  
 Misc : 5.00G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VHBLK02

Quant Time: Jul 23 03:05:31 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM072020S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Jul 23 03:03:27 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 418499   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 391974   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 170200   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 127278   | 21.55    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 86.20% |
| 7) Chloroethane-d5             | 2.90   | 69    | 109506   | 22.83    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 91.32% |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 200907   | 16.83    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 67.32% |
| 20) 2-Butanone-d5              | 7.09   | 46    | 72490    | 46.73    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 93.46% |
| 24) Chloroform-d               | 7.65   | 84    | 265534   | 22.59    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 90.36% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 149819   | 23.22    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 92.88% |
| 29) Benzene-d6                 | 8.28   | 84    | 539529   | 22.61    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 90.44% |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 160468   | 22.43    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 89.72% |
| 37) Toluene-d8                 | 10.33  | 98    | 478197   | 22.13    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 88.52% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 62057    | 20.35    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 81.40% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 54796    | 46.01    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 92.02% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 123758   | 22.51    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 90.04% |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 161346   | 24.31    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 97.24% |

## Target Compounds

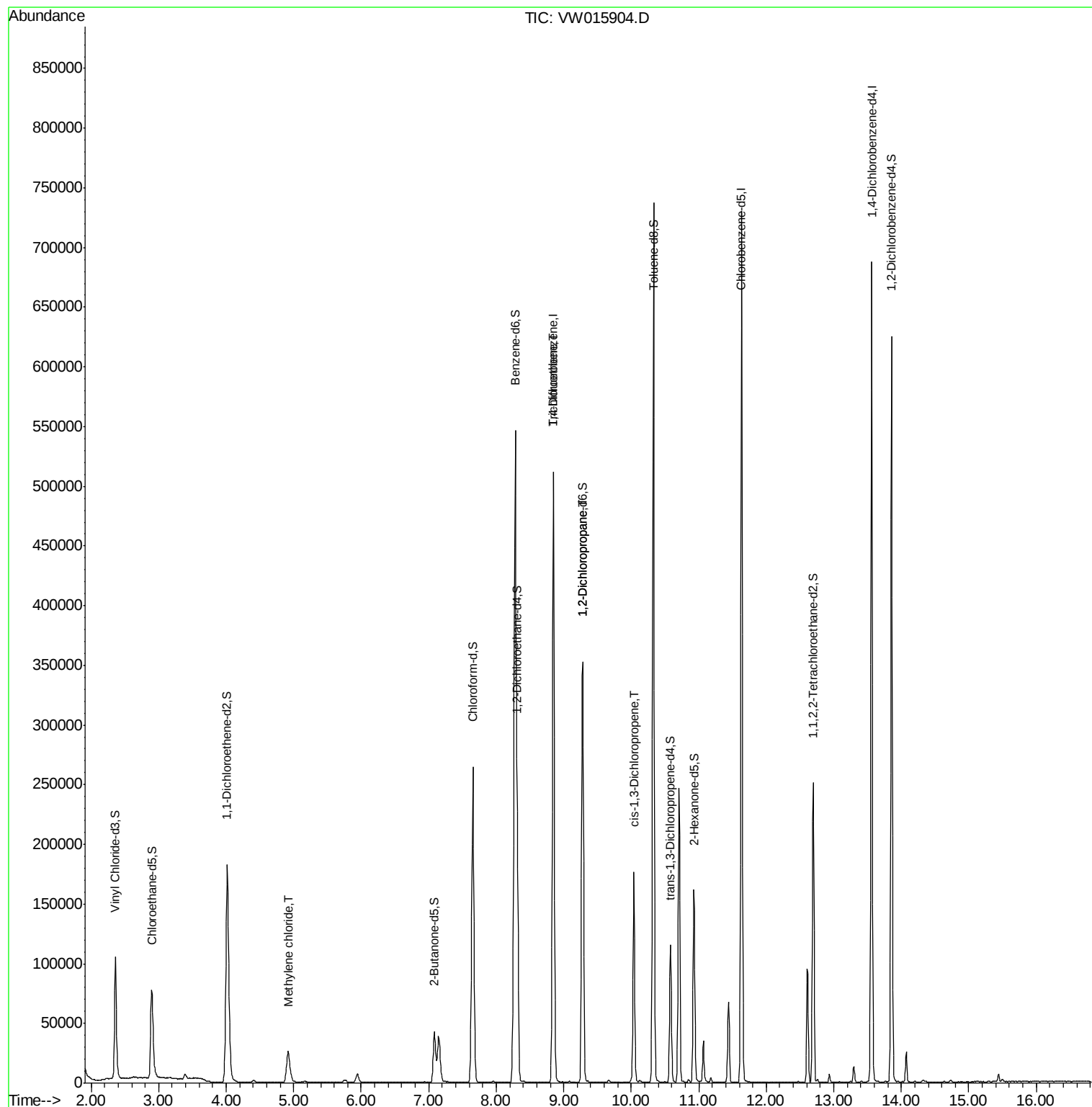
|                             |       |    |       |              | Ovalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 16) Methylene chloride      | 4.92  | 84 | 20655 | 3.012 ug/L   | 97     |
| 35) Trichloroethene         | 8.85  | 95 | 12873 | 2.044 ug/L # | 6      |
| 40) 1,2-Dichloropropane     | 9.27  | 63 | 18541 | 3.144 ug/L # | 87     |
| 42) cis-1,3-Dichloropropene | 10.04 | 75 | 4395  | 0.489 ug/L # | 58     |

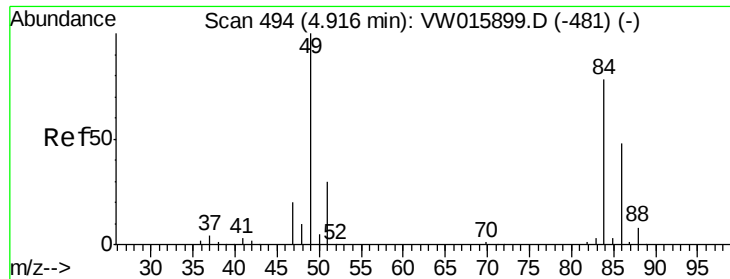
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Thu Jul 23 03:03:27 2020  
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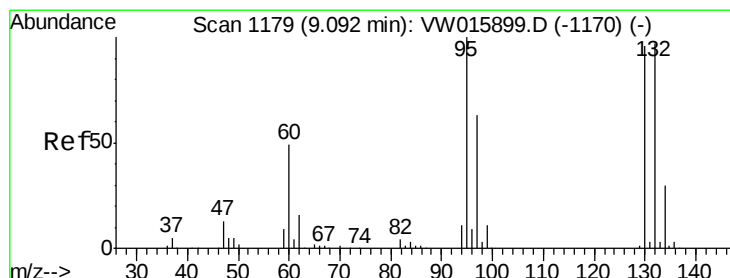
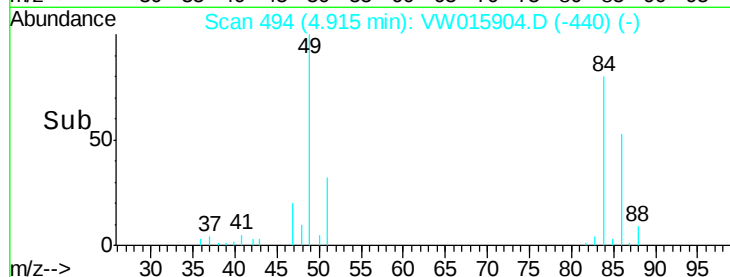
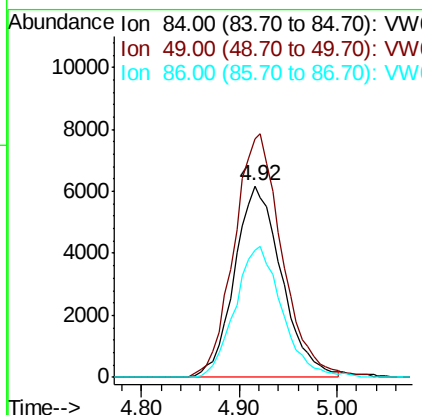
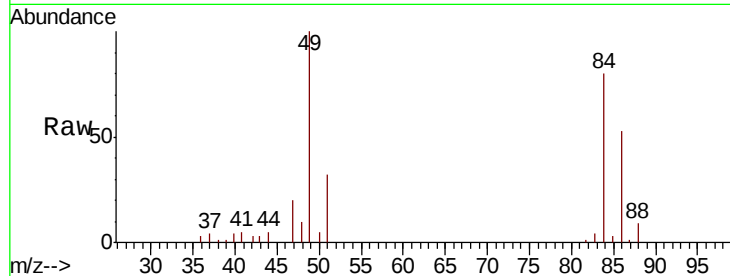




#16  
Methvlene chloride  
Concen: 3.012 ug/L  
RT: 4.92 min Scan# 494  
Delta R.T. -0.00 min  
Lab File: VW015904.D  
Acq: 22 Jul 2020 12:48

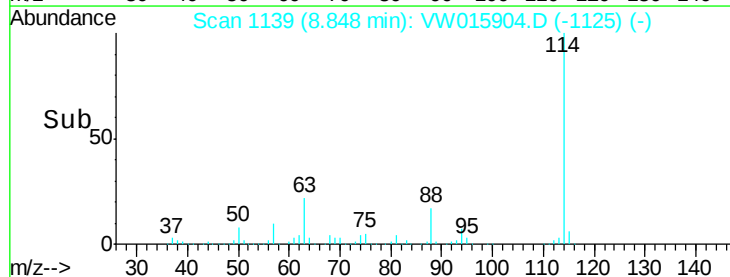
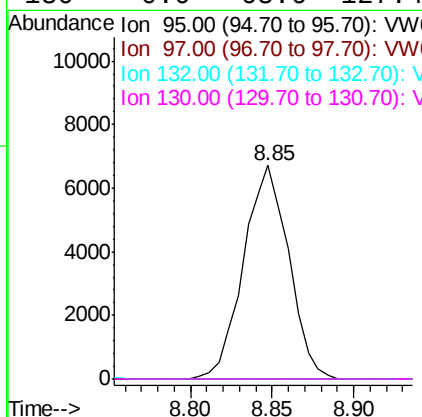
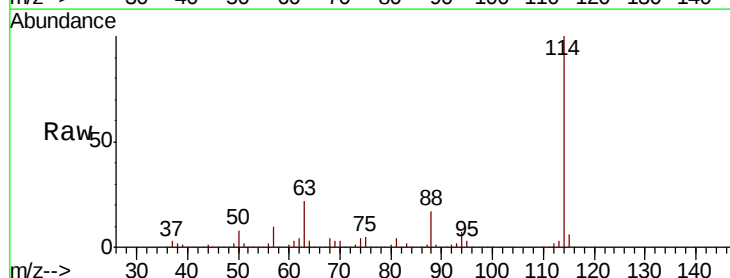
Instrument :  
MSVOA\_W  
ClientSampled :  
VHBLK02

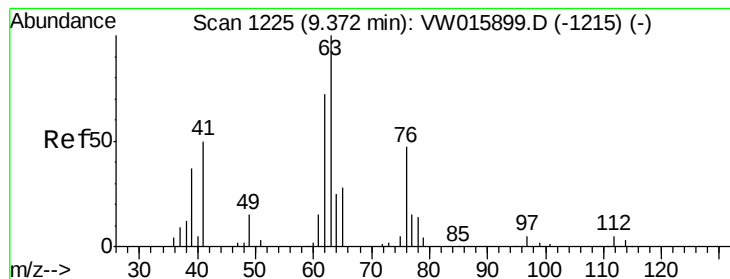
Tot Ion: 84 Resp: 20655  
Ion Ratio Lower Upper  
84 100  
49 124.7 91.1 169.1  
86 66.6 46.0 85.4



#35  
Trichloroethene  
Concen: 2.044 ug/L  
RT: 8.85 min Scan# 1139  
Delta R.T. -0.24 min  
Lab File: VW015904.D  
Acq: 22 Jul 2020 12:48

Tgt Ion: 95 Resp: 12873  
Ion Ratio Lower Upper  
95 100  
97 0.0 44.4 82.4#  
132 0.0 65.1 120.9#  
130 0.0 68.6 127.4#





#40

1,2-Dichloropropane

Concen: 3.144 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.10 min

Lab File: VW015904.D

Acq: 22 Jul 2020 12:48

Instrument :

MSVOA\_W

ClientSampleId :

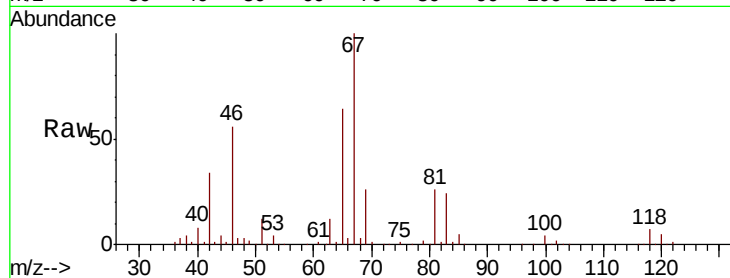
VHBLK02

Tot Ion: 63 Resp: 18541

Ion Ratio Lower Upper

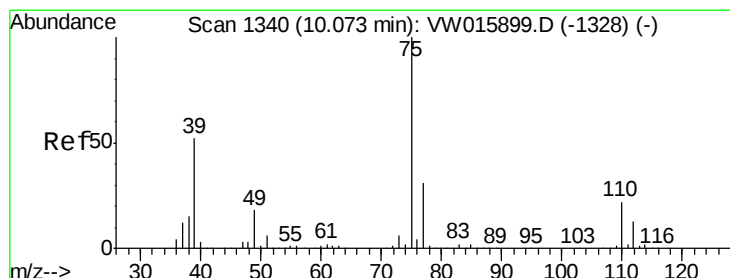
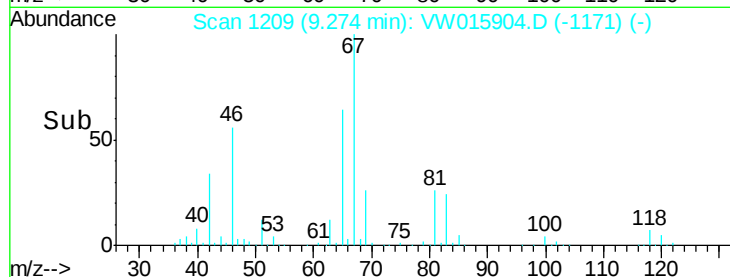
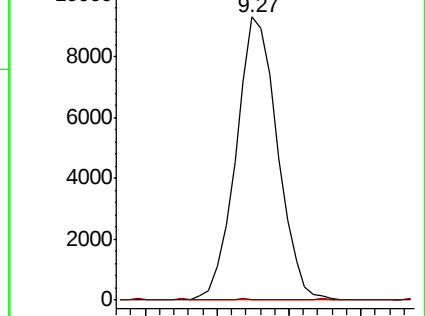
63 100

112 0.2 3.7 5.5#



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#42

cis-1,3-Dichloropropene

Concen: 0.489 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW015904.D

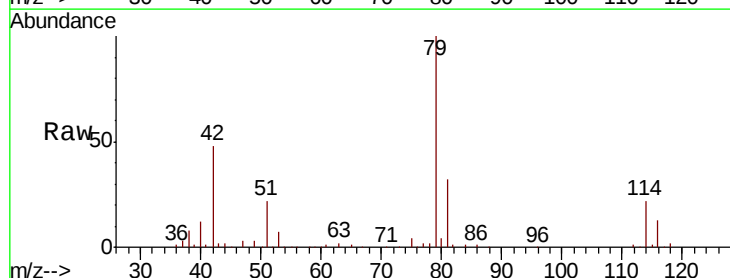
Acq: 22 Jul 2020 12:48

Tgt Ion: 75 Resp: 4395

Ion Ratio Lower Upper

75 100

77 54.8 22.2 41.2#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

