

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070620\  
 Data File : VW015783.D  
 Acq On : 06 Jul 2020 12:45  
 Operator : SY/VA  
 Sample : VW0706SBL01  
 Misc : 5.00G/10ML/MSVOA W/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VBLK13

Quant Time: Jul 07 00:29:55 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM062920S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Jul 07 00:28:21 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 305491   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 281288   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 124388   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 91999    | 18.55    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 74.20% |
| 7) Chloroethane-d5             | 2.90   | 69    | 79771    | 19.69    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 78.76% |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 134735   | 15.30    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 61.20% |
| 20) 2-Butanone-d5              | 7.09   | 46    | 51909    | 49.60    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 99.20% |
| 24) Chloroform-d               | 7.65   | 84    | 182536   | 21.43    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 85.72% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 109057   | 22.52    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 90.08% |
| 29) Benzene-d6                 | 8.28   | 84    | 353545   | 21.08    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 84.32% |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 107200   | 21.59    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 86.36% |
| 37) Toluene-d8                 | 10.33  | 98    | 319916   | 20.50    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 82.00% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 44862    | 20.40    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 81.60% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 38118    | 47.11    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 94.22% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 86864    | 22.81    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 91.24% |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 108812   | 22.56    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 90.24% |

## Target Compounds

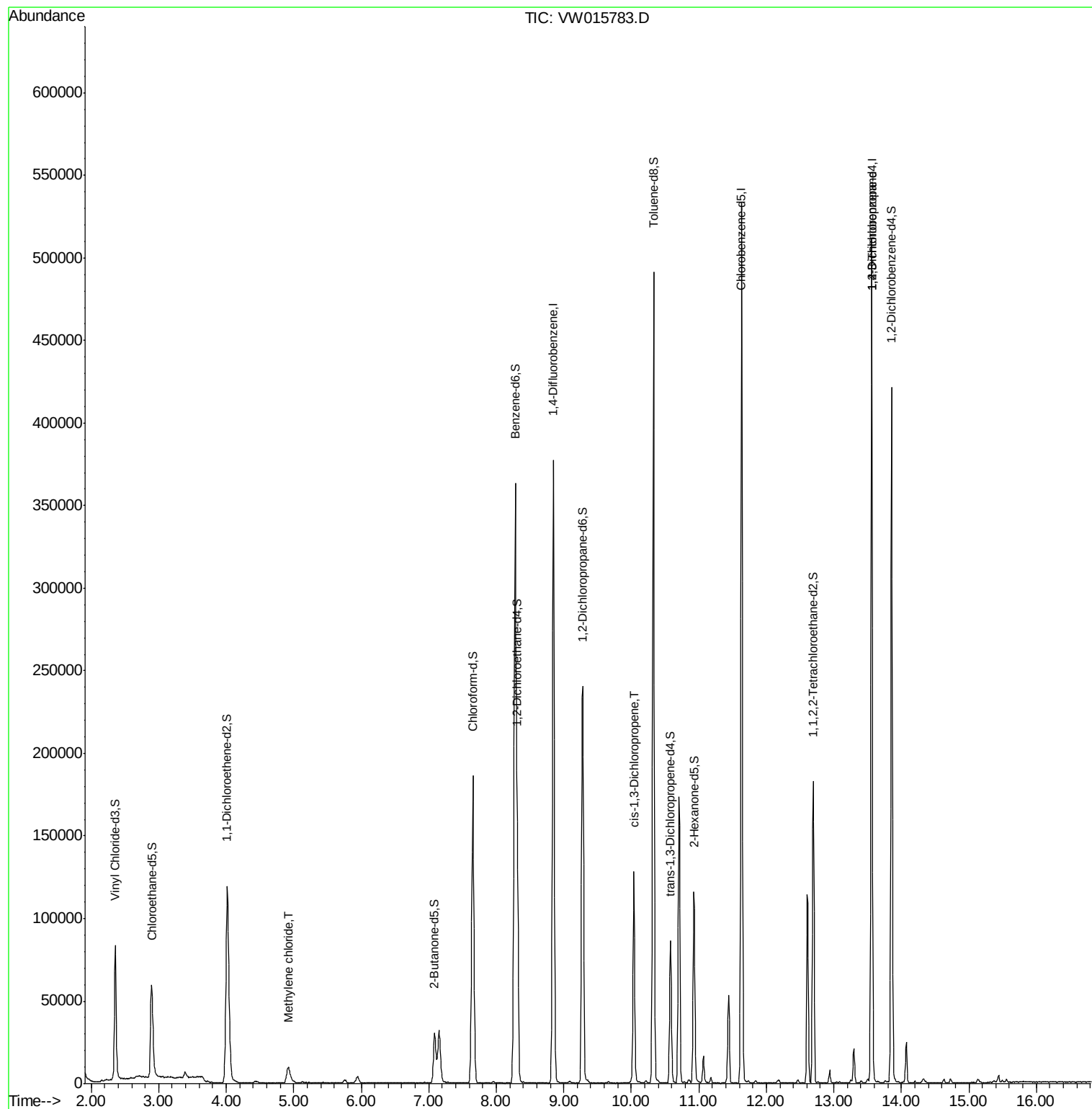
|                             |       |    |       |              | Ovalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 16) Methylene chloride      | 4.91  | 84 | 7698  | 1.717 ug/L   | 95     |
| 42) cis-1,3-Dichloropropene | 10.04 | 75 | 3553  | 0.605 ug/L # | 71     |
| 59) 1,2,3-Trichloropropane  | 13.56 | 75 | 16102 | 6.601 ug/L   | 90     |

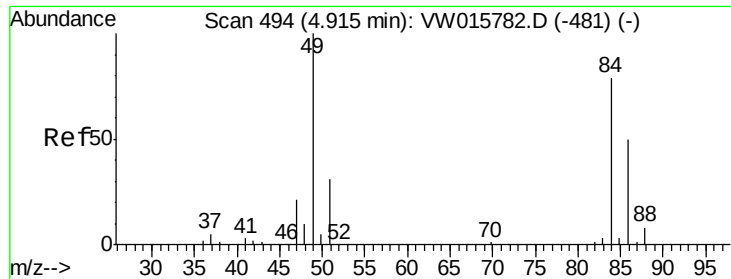
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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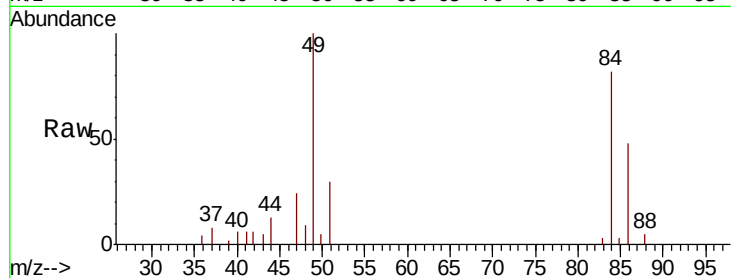




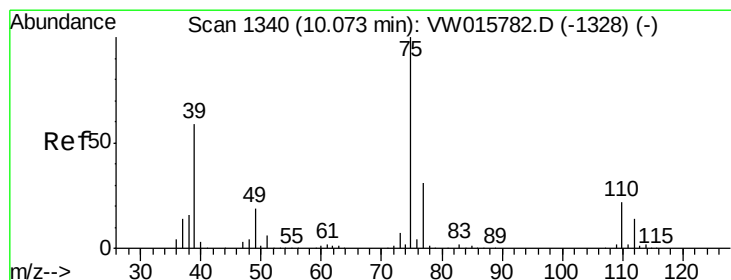
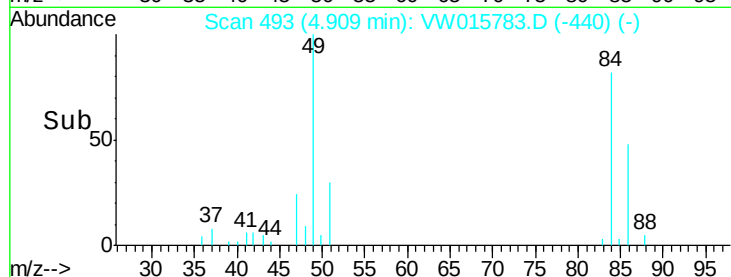
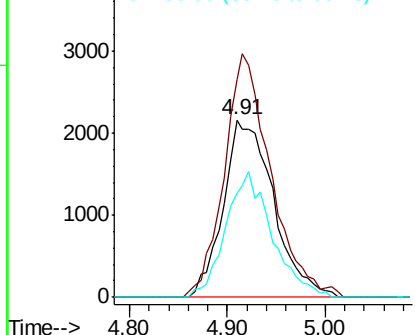
#16  
Methylene chloride  
Concen: 1.717 ug/L  
RT: 4.91 min Scan# 493  
Delta R.T. -0.01 min  
Lab File: VW015783.D  
Acq: 06 Jul 2020 12:45

Instrument :  
MSVOA\_W  
ClientSampleId :  
VBLK13

Tot Ion: 84 Resp: 7698  
Ion Ratio Lower Upper  
84 100  
49 122.5 90.0 167.2  
86 58.7 44.0 81.8

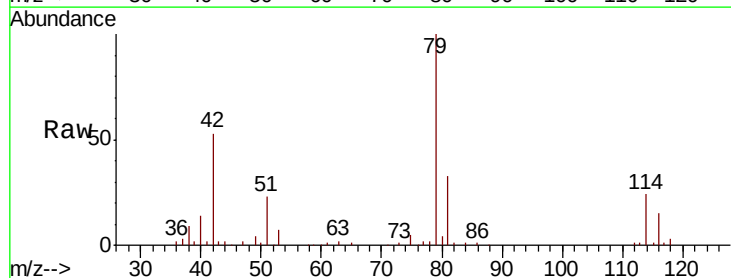


Abundance Ion 84.00 (83.70 to 84.70): VW  
Ion 49.00 (48.70 to 49.70): VW  
Ion 86.00 (85.70 to 86.70): VW

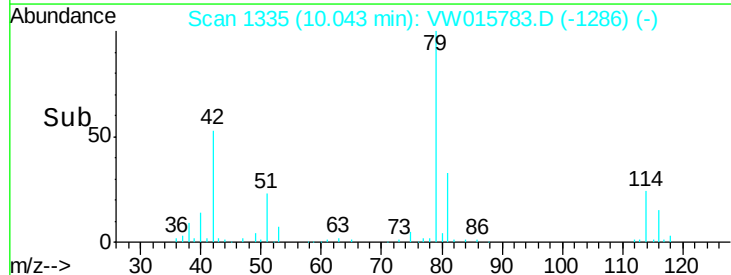
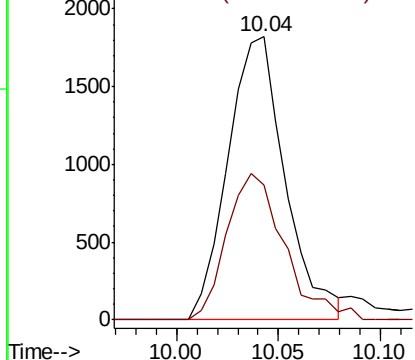


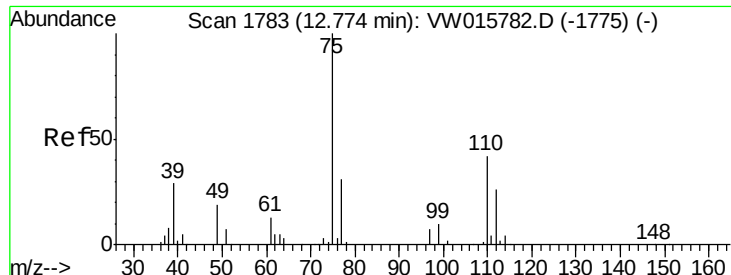
#42  
cis-1,3-Dichloropropene  
Concen: 0.605 ug/L  
RT: 10.04 min Scan# 1335  
Delta R.T. -0.03 min  
Lab File: VW015783.D  
Acq: 06 Jul 2020 12:45

Tgt Ion: 75 Resp: 3553  
Ion Ratio Lower Upper  
75 100  
77 47.6 22.2 41.2#



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





#59

1,2,3-Trichloropropane

Concen: 6.601 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW015783.D

Acq: 06 Jul 2020 12:45

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MSVOA\_W

ClientSampleId :

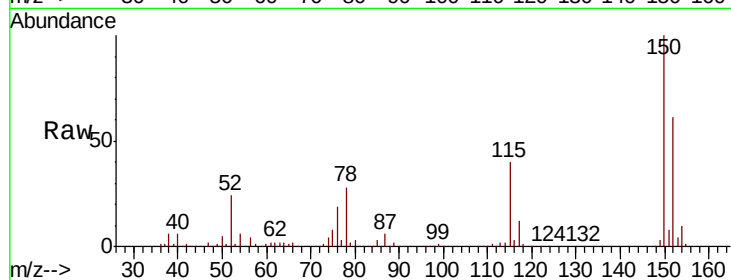
VBLK13

Tot Ion: 75 Resp: 16102

Ion Ratio Lower Upper

75 100

77 38.0 26.1 39.1



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

