

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110619\  
 Data File : VW013925.D  
 Acq On : 06 Nov 2019 15:03  
 Operator : SY/VA  
 Sample : K5698-03RE  
 Misc : 7.01G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Nov 07 00:57:00 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM110119S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Nov 07 00:53:52 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 369930   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 366171   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 208412   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 126300   | 21.94    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 87.76% |
| 7) Chloroethane-d5             | 2.89   | 69    | 99673    | 21.67    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 86.68% |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 192417   | 16.41    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 65.64% |
| 20) 2-Butanone-d5              | 7.07   | 46    | 71243    | 34.40    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 68.80% |
| 24) Chloroform-d               | 7.65   | 84    | 261017   | 22.39    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 89.56% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 139217   | 22.19    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 88.76% |
| 29) Benzene-d6                 | 8.27   | 84    | 565647   | 23.06    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 92.24% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 169293   | 22.80    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 91.20% |
| 37) Toluene-d8                 | 10.32  | 98    | 529383   | 22.75    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 91.00% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 71590    | 21.12    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 84.48% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 56581    | 33.54    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 67.08% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 125498   | 19.11    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 76.44% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 191325   | 23.20    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 92.80% |

## Target Compounds

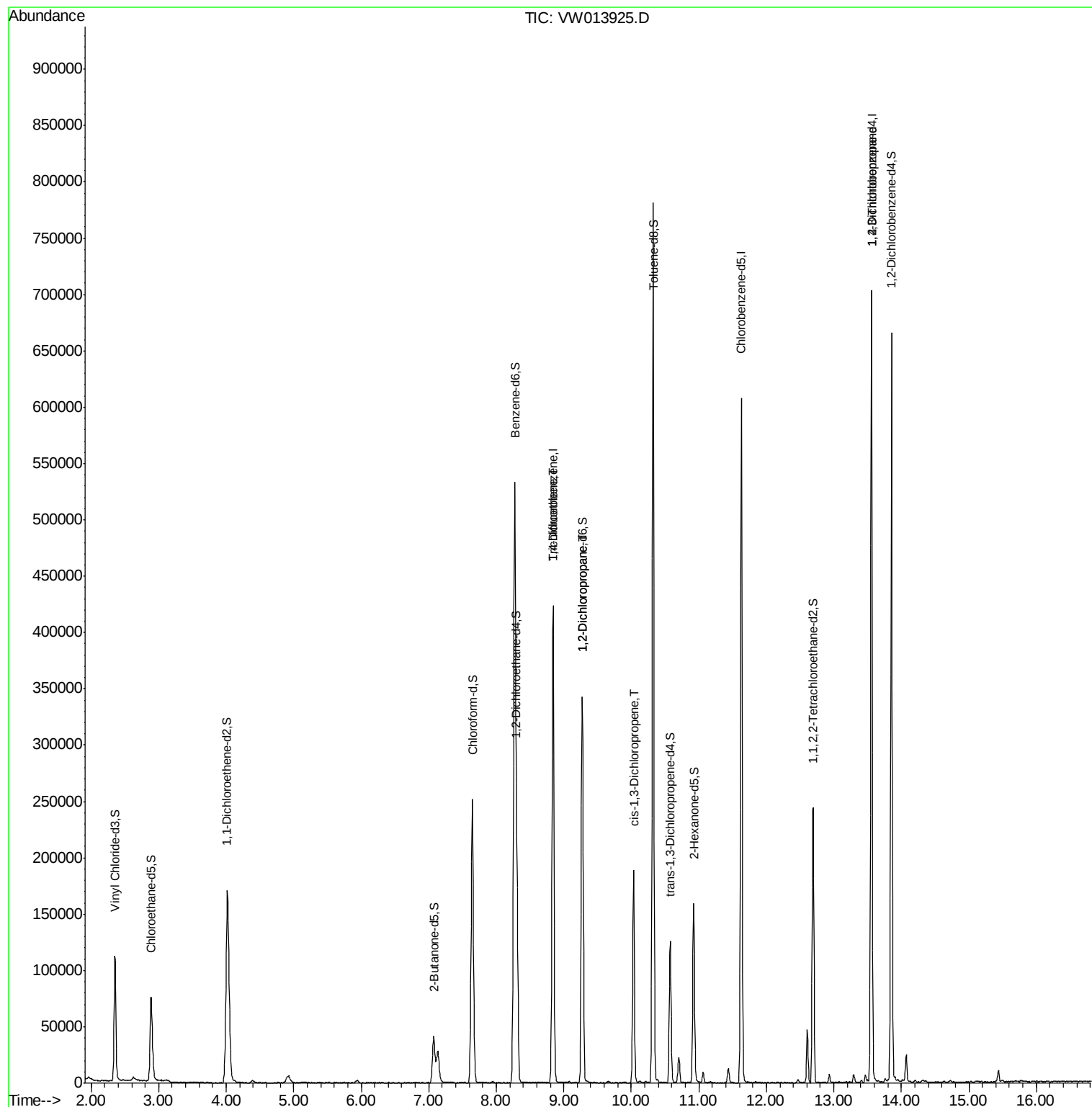
|                             |       |    |       |              | Ovalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 35) Trichloroethene         | 8.84  | 95 | 10118 | 1.444 ug/L # | 2      |
| 40) 1,2-Dichloropropane     | 9.27  | 63 | 17263 | 2.646 ug/L # | 86     |
| 42) cis-1,3-Dichloropropene | 10.04 | 75 | 3875  | 0.377 ug/L # | 66     |
| 59) 1,2,3-Trichloropropane  | 13.55 | 75 | 21513 | 4.367 ug/L   | 97     |

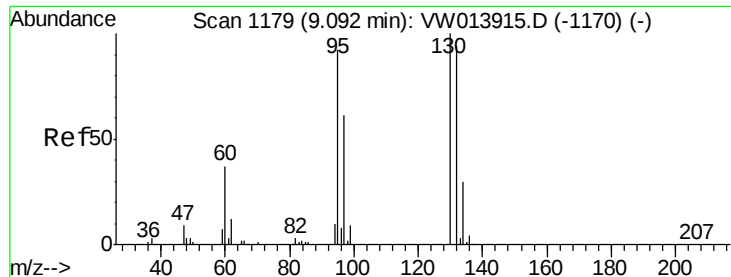
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Thu Nov 07 00:53:52 2019  
Response via : Initial Calibration





#35

Trichloroethene

Concen: 1.444 ug/L

RT: 8.84 min Scan# 1138

Delta R.T. -0.25 min

Lab File: VW013925.D

Acq: 06 Nov 2019 15:03

Instrument :

MSVOA\_W

ClientSampleId :

Tot Ion: 95 Resp: 10118

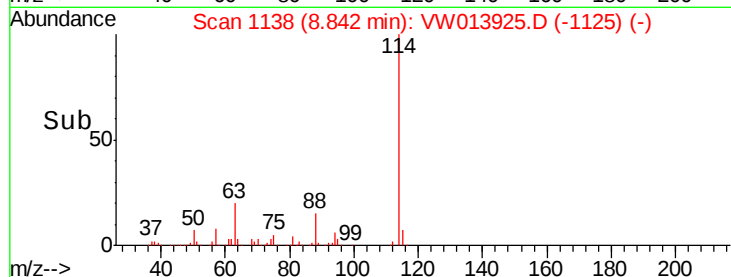
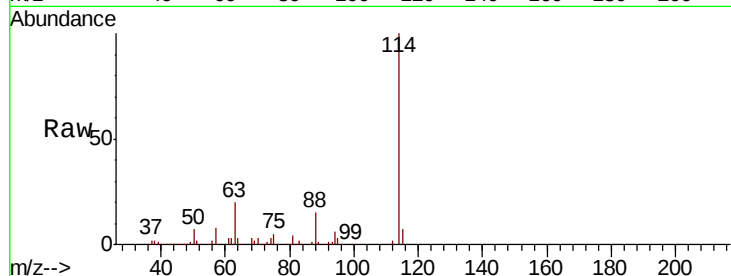
Ion Ratio Lower Upper

95 100

97 0.0 44.9 83.5#

132 0.0 73.3 136.1#

130 0.0 75.5 140.1#

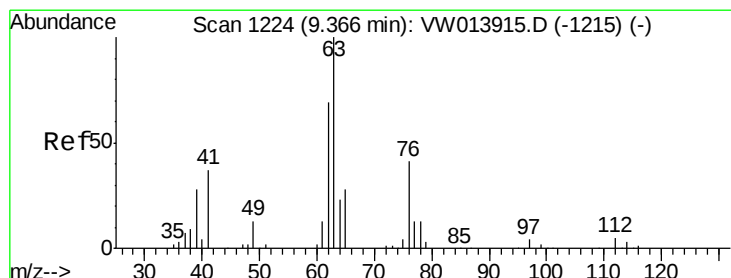
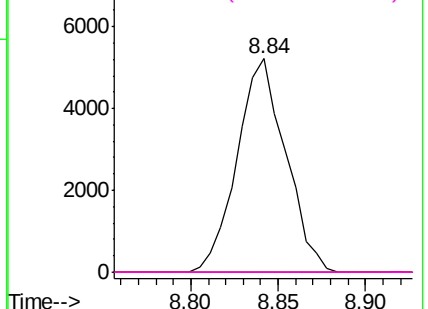


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#40

1,2-Dichloropropane

Concen: 2.646 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.09 min

Lab File: VW013925.D

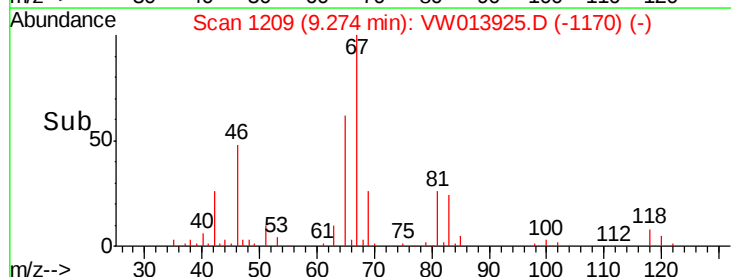
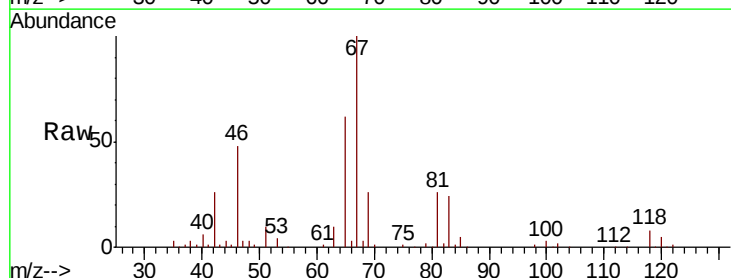
Acq: 06 Nov 2019 15:03

Tgt Ion: 63 Resp: 17263

Ion Ratio Lower Upper

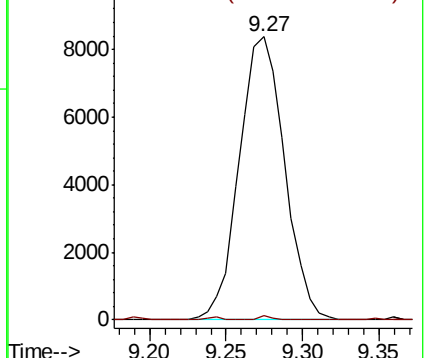
63 100

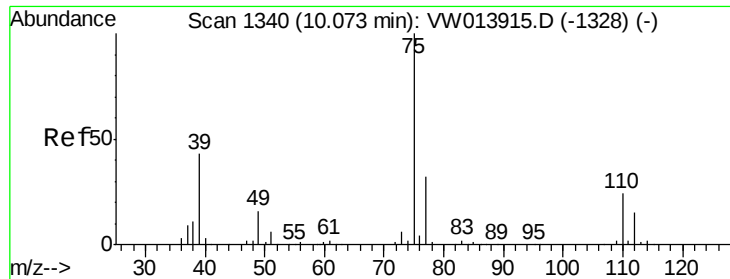
112 0.4 3.9 5.9#



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: 0.377 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW013925.D

Acq: 06 Nov 2019 15:03

Instrument :

MSVOA\_W

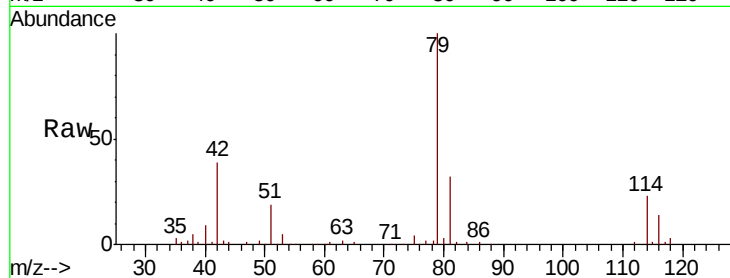
ClientSampled :

Tot Ion: 75 Resp: 3875

Ion Ratio Lower Upper

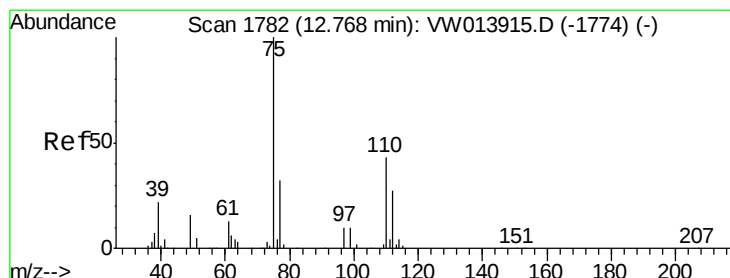
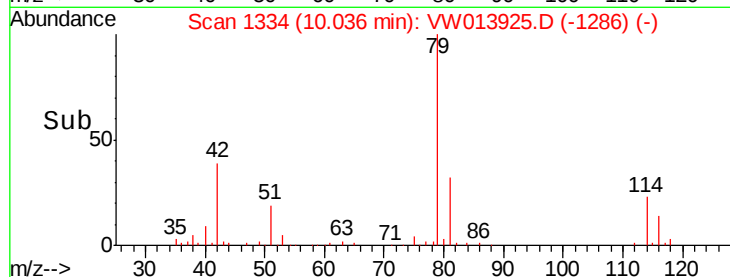
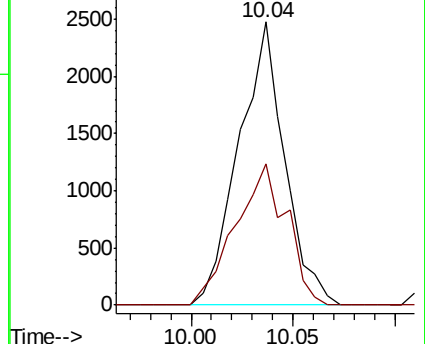
75 100

77 50.0 21.8 40.4#



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: 4.367 ug/L

RT: 13.55 min Scan# 1911

Delta R.T. 0.79 min

Lab File: VW013925.D

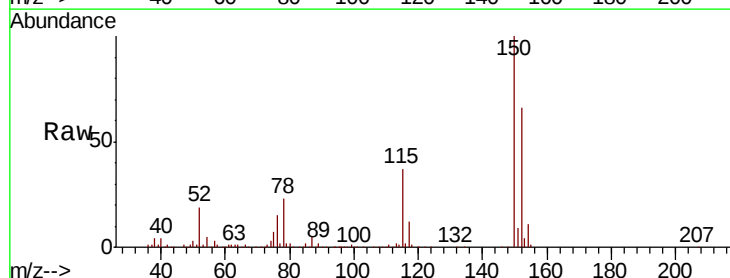
Acq: 06 Nov 2019 15:03

Tgt Ion: 75 Resp: 21513

Ion Ratio Lower Upper

75 100

77 34.2 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

