

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW040720\  
 Data File : VW015158.D  
 Acq On : 07 Apr 2020 12:30  
 Operator : SY/VA  
 Sample : VW0407SBL01  
 Misc : 5.00G/10ML/MSVOA W/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Apr 08 06:12:31 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM032520S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Apr 08 06:10:31 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 621081   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 565107   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 209051   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 237450   | 22.14    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 88.56%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 211821   | 23.95    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 95.80%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 372875   | 17.30    | ug/L | -0.01   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 69.20%  |
| 20) 2-Butanone-d5              | 7.07   | 46    | 136188   | 55.78    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 111.56% |
| 24) Chloroform-d               | 7.65   | 84    | 449667   | 24.23    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 96.92%  |
| 26) 1,2-Dichloroethane-d4      | 8.44   | 65    | 151      | 0.01     | ug/L | 0.13    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 0.04%#  |
| 29) Benzene-d6                 | 8.27   | 84    | 888555   | 24.57    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 98.28%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 291847   | 24.29    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 97.16%  |
| 37) Toluene-d8                 | 10.32  | 98    | 761520   | 24.70    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 98.80%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 108979   | 23.70    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 94.80%  |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 88661    | 49.96    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 99.92%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 201174   | 24.48    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 97.92%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 194292   | 26.71    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 106.84% |

## Target Compounds

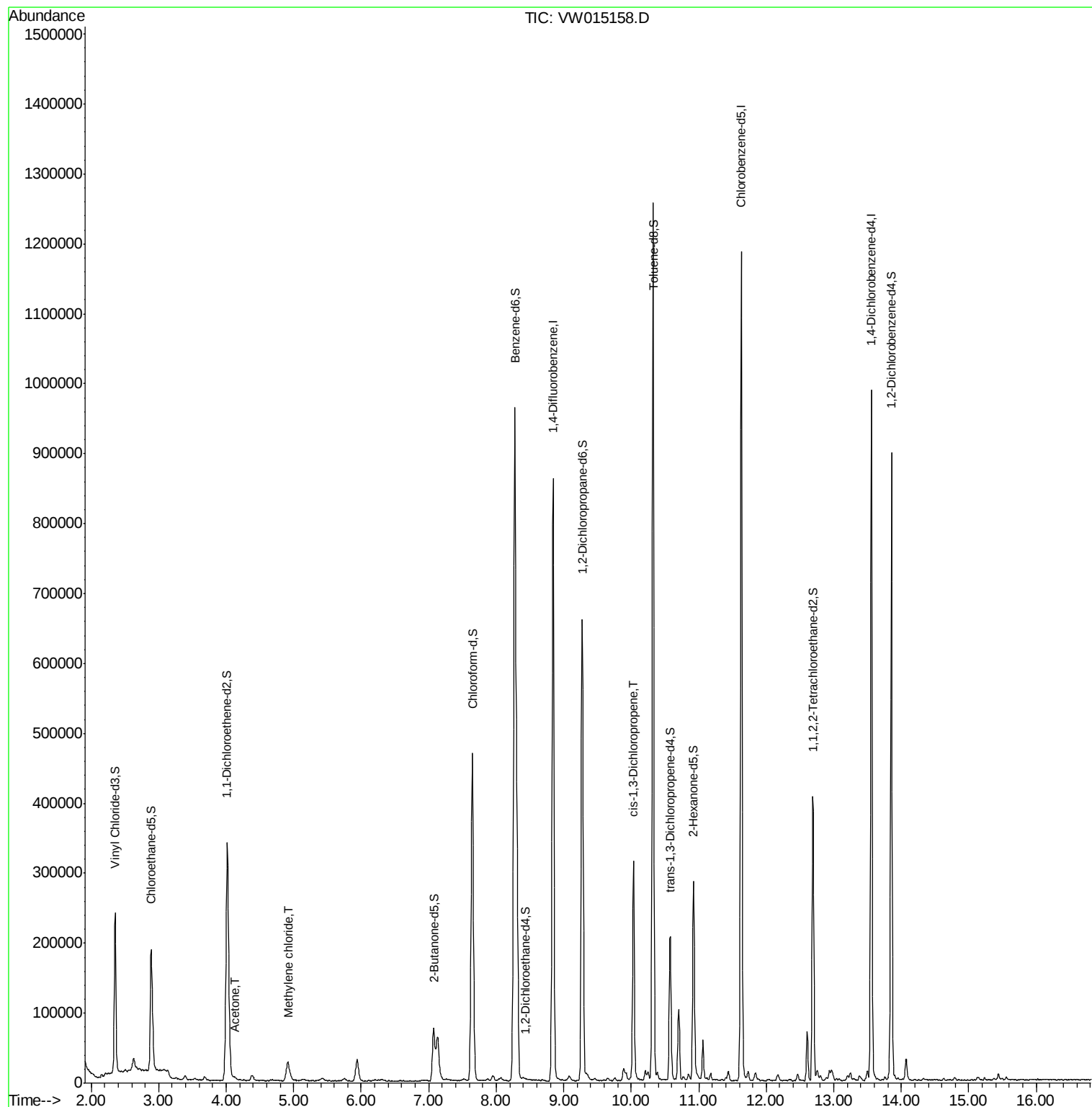
|                             |       |    |       |              | Ovalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 13) Acetone                 | 4.12  | 43 | 7353  | 3.375 ug/L   | 80     |
| 16) Methylene chloride      | 4.92  | 84 | 18156 | 1.710 ug/L   | 88     |
| 42) cis-1,3-Dichloropropene | 10.04 | 75 | 7969  | 0.526 ug/L # | 68     |

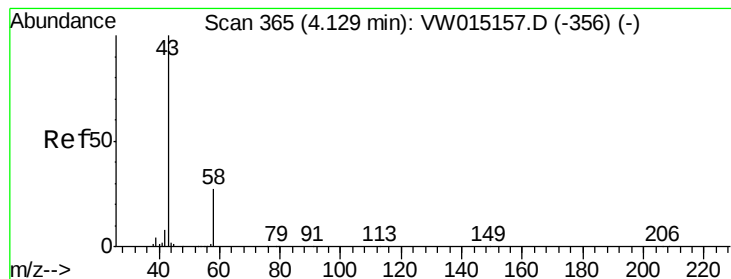
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_W  
ClientSampleId :

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM032520S.M  
Quant Title : VOC Analysis  
QLast Update : Wed Apr 08 06:10:31 2020  
Response via : Initial Calibration





#13

Acetone

Concen: 3.375 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW015158.D

Acq: 07 Apr 2020 12:30

Instrument :

MSVOA\_W

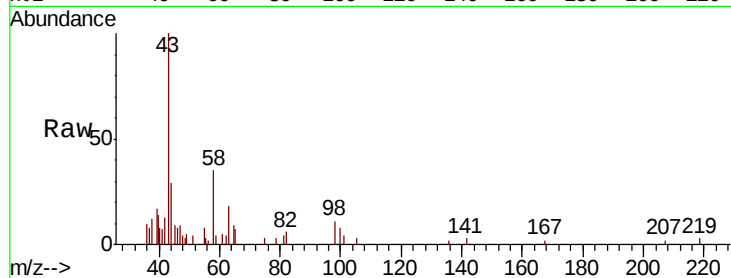
ClientSampled :

Tot Ion: 43 Resp: 7353

Ion Ratio Lower Upper

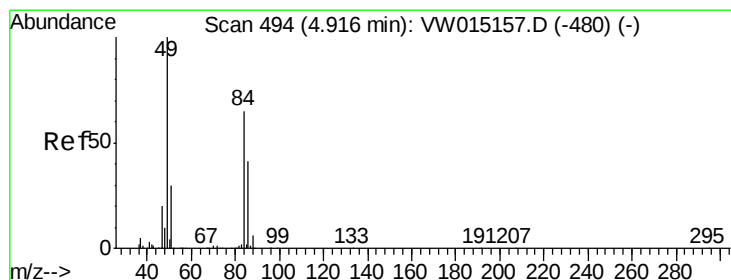
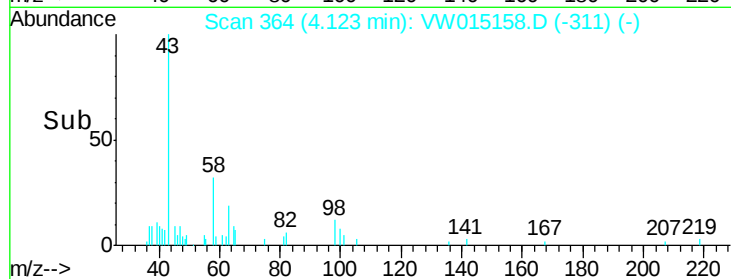
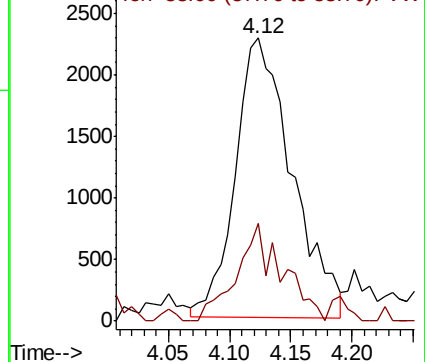
43 100

58 16.8 0.0 54.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#16

Methylene chloride

Concen: 1.710 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW015158.D

Acq: 07 Apr 2020 12:30

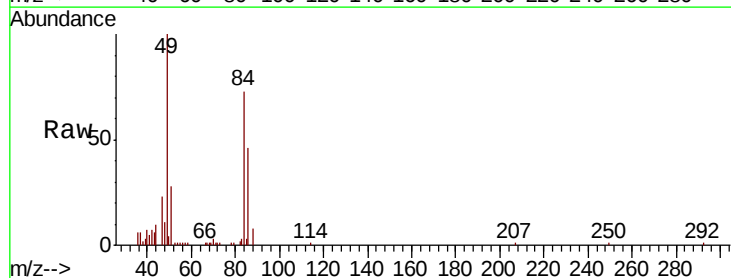
Tgt Ion: 84 Resp: 18156

Ion Ratio Lower Upper

84 100

49 137.4 111.7 207.5

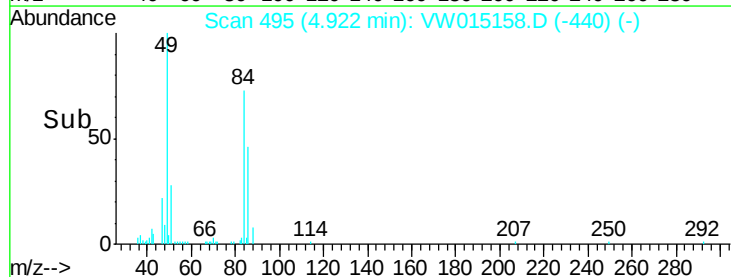
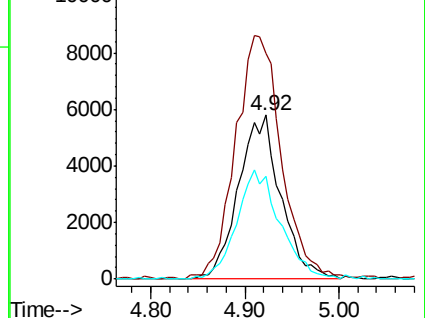
86 63.0 44.7 82.9

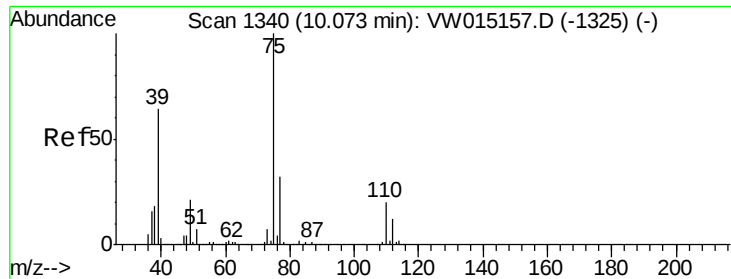


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





#42  
 cis-1,3-Dichloropropene  
 Concen: 0.526 ug/L  
 RT: 10.04 min Scan# 1334  
 Delta R.T. -0.04 min  
 Lab File: VW015158.D  
 Acq: 07 Apr 2020 12:30

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Tot Ion: 75 Resp: 7969  
 Ion Ratio Lower Upper  
 75 100  
 77 47.9 21.4 39.8#

