

Data File : VW014364.D  
Acq On : 16 Dec 2019 12:47  
Operator : SY/VA  
Sample : K6238-06  
Misc : 5.02G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VHBLK01

Quant Time: Dec 17 07:29:38 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM120519S.M  
Quant Title : VOC Analysis  
QLast Update : Tue Dec 17 07:27:11 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 1120694  | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 1022269  | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 442844   | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 366475   | 21.59    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 86.36%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 308086   | 24.42    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 97.68%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 540539   | 18.03    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 72.12%  |
| 20) 2-Butanone-d5              | 7.07   | 46    | 222721   | 50.36    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 100.72% |
| 24) Chloroform-d               | 7.65   | 84    | 726711   | 25.47    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 101.88% |
| 26) 1,2-Dichloroethane-d4      | 8.56   | 65    | 129      | 0.01     | ug/L | 0.26    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 0.04%#  |
| 29) Benzene-d6                 | 8.27   | 84    | 1531895  | 25.57    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 102.28% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 481304   | 26.11    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 104.44% |
| 37) Toluene-d8                 | 10.32  | 98    | 1357788  | 25.06    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 100.24% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 183321   | 23.71    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 94.84%  |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 170173   | 46.43    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 92.86%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 358814   | 23.89    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 95.56%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 451470   | 26.68    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 106.72% |

#### Target Compounds

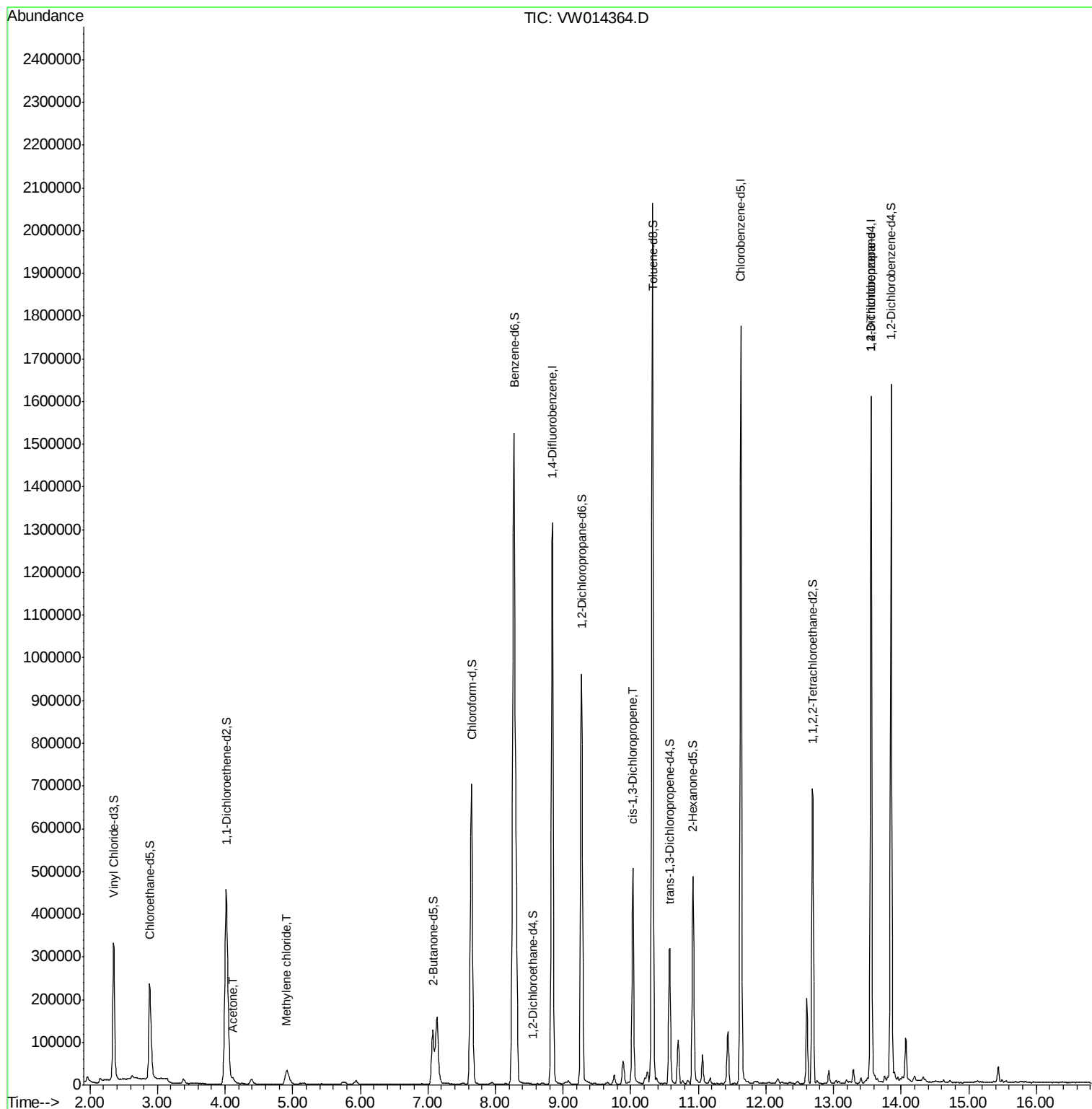
|                             |       |    |       |              | Qvalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 13) Acetone                 | 4.12  | 43 | 18832 | 4.417 ug/L   | 72     |
| 16) Methylene chloride      | 4.92  | 84 | 28994 | 1.688 ug/L   | 95     |
| 42) cis-1,3-Dichloropropene | 10.04 | 75 | 11676 | 0.469 ug/L # | 65     |
| 59) 1,2,3-Trichloropropane  | 13.55 | 75 | 51791 | 4.507 ug/L   | 93     |

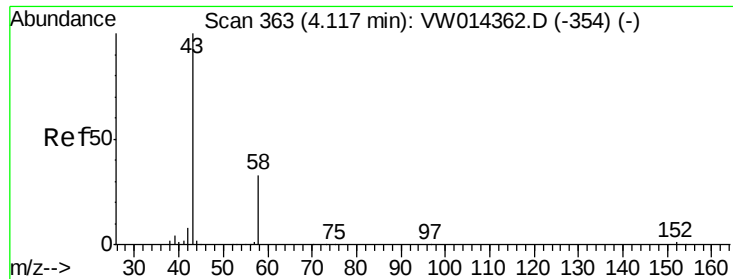
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW014364.D  
Acq On : 16 Dec 2019 12:47  
Operator : SY/VA  
Sample : K6238-06  
Misc : 5.02G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VHBLK01

Quant Time: Dec 17 07:29:38 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM120519S.M  
Quant Title : VOC Analysis  
QLast Update : Tue Dec 17 07:27:11 2019  
Response via : Initial Calibration





#13

Acetone

Concen: 4.417 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW014364.D

Acq: 16 Dec 2019 12:47

Instrument :

MSVOA\_W

ClientSampleId :

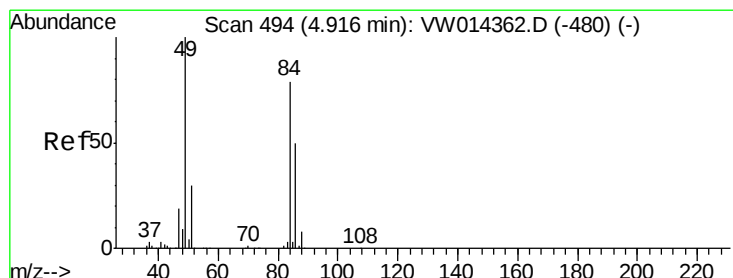
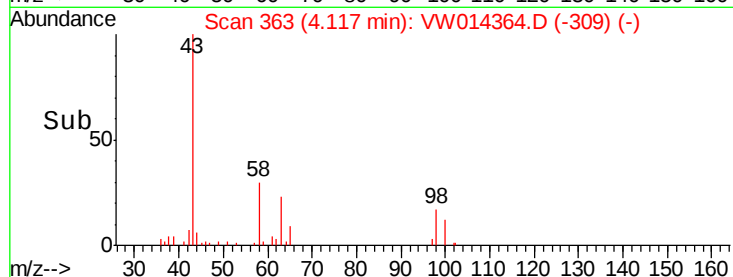
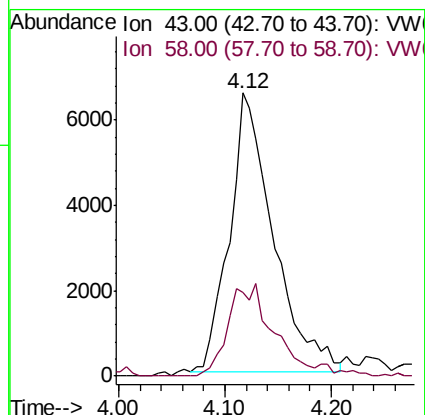
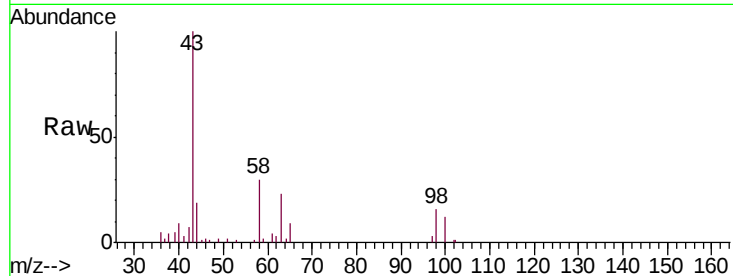
VHBLK01

Tgt Ion: 43 Resp: 18832

Ion Ratio Lower Upper

43 100

58 17.0 0.0 65.4



#16

Methylene chloride

Concen: 1.688 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW014364.D

Acq: 16 Dec 2019 12:47

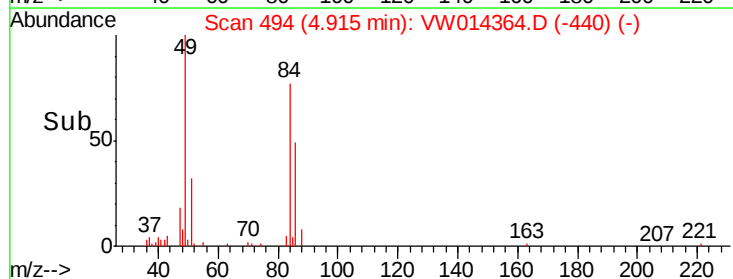
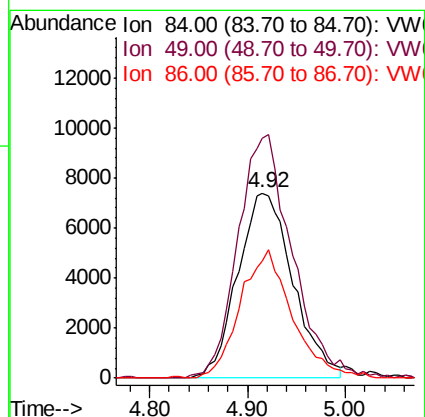
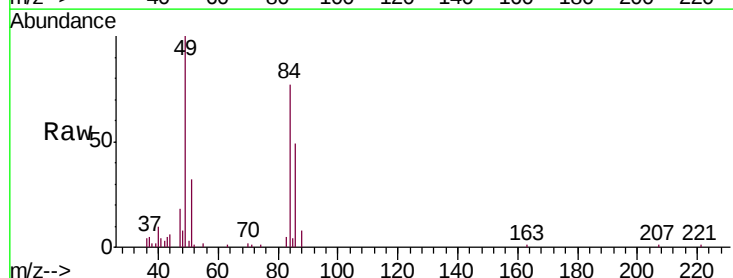
Tgt Ion: 84 Resp: 28994

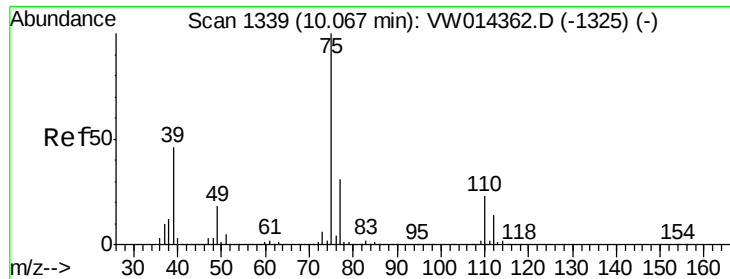
Ion Ratio Lower Upper

84 100

49 129.2 84.2 156.4

86 62.8 43.7 81.1





#42

cis-1,3-Dichloropropene

Concen: 0.469 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.03 min

Lab File: VW014364.D

Acq: 16 Dec 2019 12:47

Instrument :

MSVOA\_W

ClientSampleId :

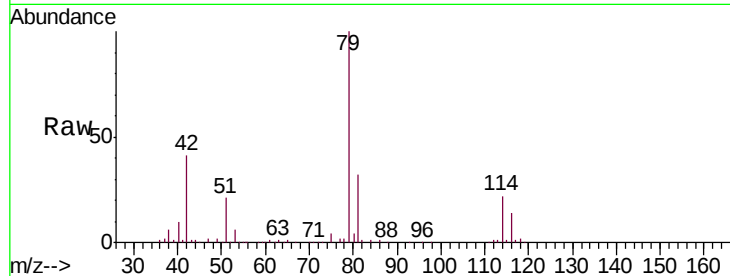
VHBLK01

Tgt Ion: 75 Resp: 11676

Ion Ratio Lower Upper

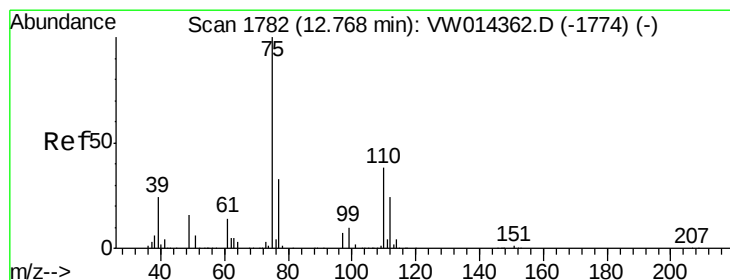
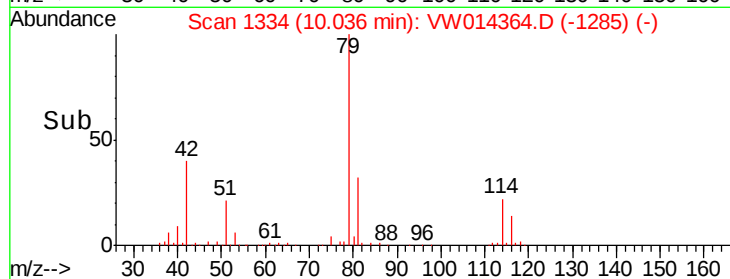
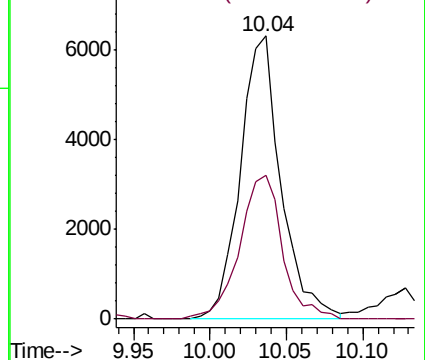
75 100

77 50.8 22.1 41.1#



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: 4.507 ug/L

RT: 13.55 min Scan# 1911

Delta R.T. 0.79 min

Lab File: VW014364.D

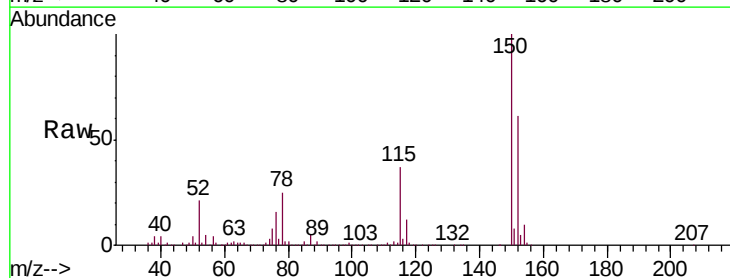
Acq: 16 Dec 2019 12:47

Tgt Ion: 75 Resp: 51791

Ion Ratio Lower Upper

75 100

77 36.6 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

