

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120619\  
 Data File : VW014253.D  
 Acq On : 06 Dec 2019 16:50  
 Operator : SY/VA  
 Sample : K6172-04  
 Misc : 5.25G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 C0BT0

Quant Time: Dec 07 05:29:13 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM120519S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Dec 07 04:10:05 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 977609   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 719684   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 194332   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 404017   | 27.29    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 109.16%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 314979   | 28.62    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 114.48%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 521475   | 19.94    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 79.76%   |
| 20) 2-Butanone-d5              | 7.07   | 46    | 124336   | 32.23    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 64.46%   |
| 24) Chloroform-d               | 7.65   | 84    | 643126   | 25.84    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 103.36%  |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 287513   | 22.03    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 88.12%   |
| 29) Benzene-d6                 | 8.27   | 84    | 1384352  | 32.82    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 131.28%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 414633   | 31.95    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 127.80%# |
| 37) Toluene-d8                 | 10.32  | 98    | 1109301  | 29.09    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 116.36%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 109533   | 20.12    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 80.48%   |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 87156    | 33.78    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 67.56%   |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 221722   | 20.97    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 83.88%   |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 224553   | 30.24    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 120.96%# |

## Target Compounds

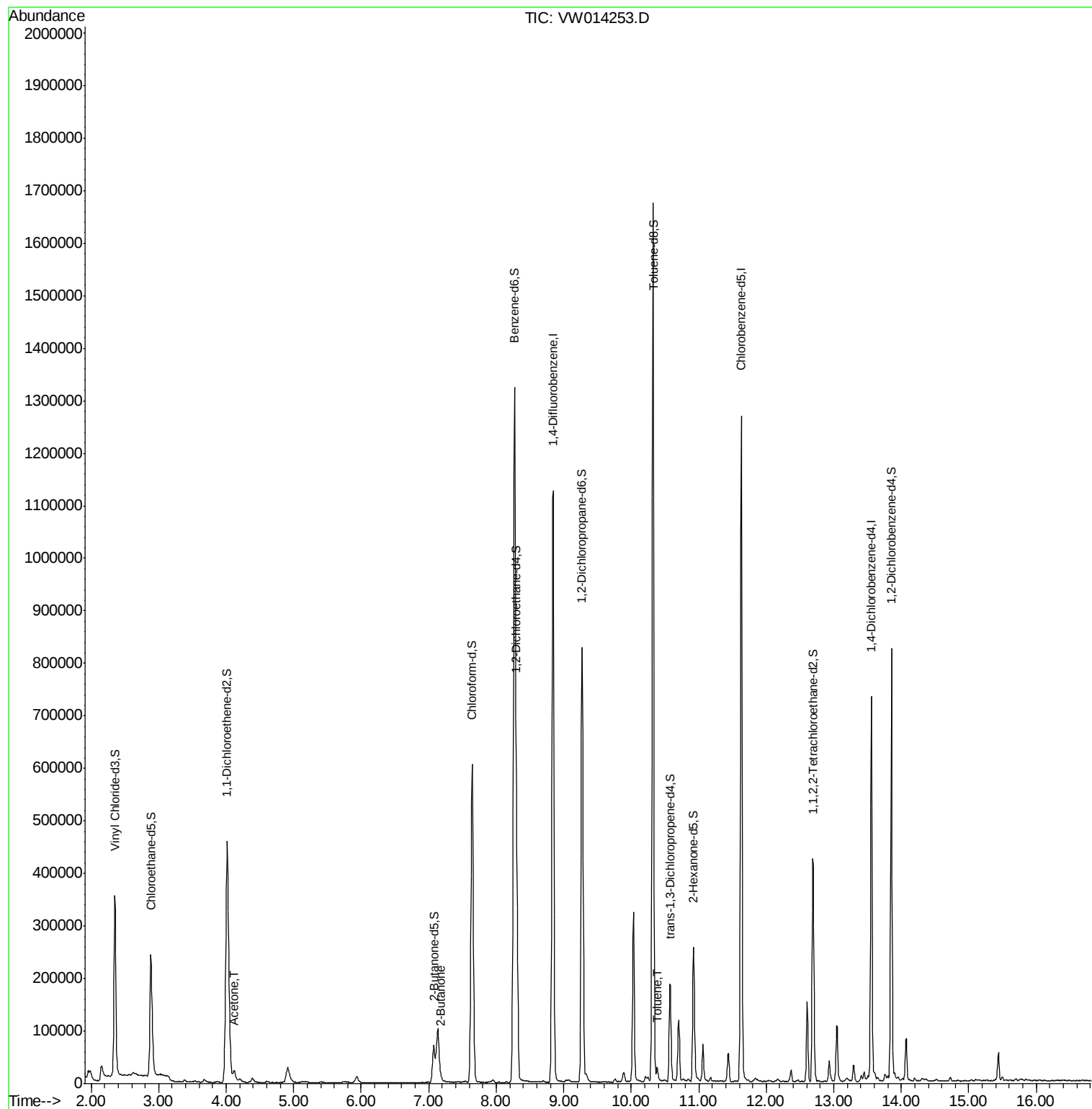
|                |       |    |       |              | Ovalue |
|----------------|-------|----|-------|--------------|--------|
| 13) Acetone    | 4.12  | 43 | 36442 | 9.798 ug/L   | 98     |
| 21) 2-Butanone | 7.18  | 43 | 15408 | 3.086 ug/L # | 62     |
| 44) Toluene    | 10.38 | 91 | 16352 | 0.342 ug/L   | 94     |

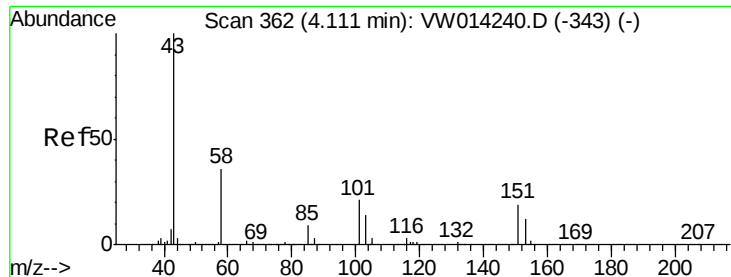
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Dec 07 04:10:05 2019  
Response via : Initial Calibration





#13

Acetone

Concen: 9.798 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.01 min

Lab File: VW014253.D

Acq: 06 Dec 2019 16:50

Instrument :

MSVOA\_W

ClientSampleId :

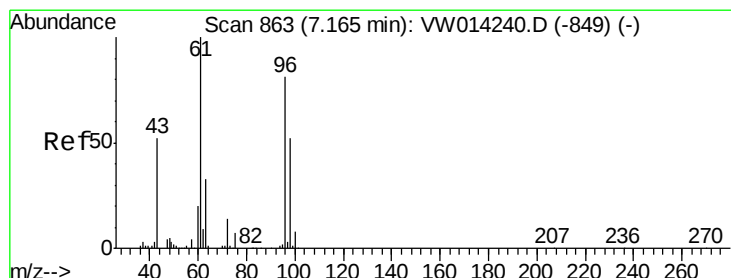
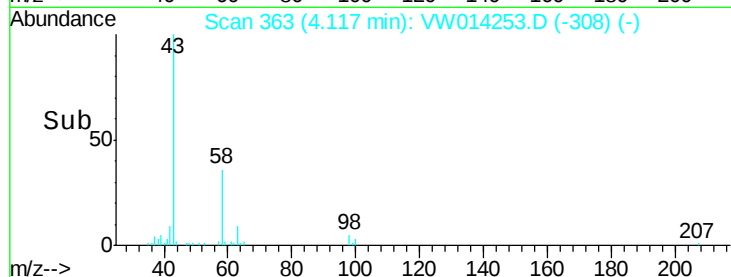
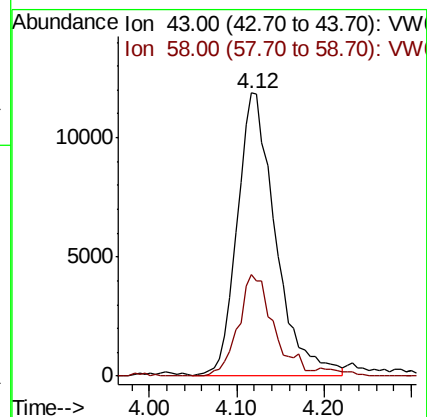
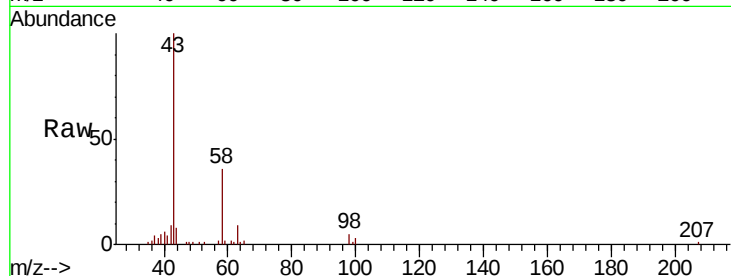
C0BT0

Tot Ion: 43 Resp: 36442

Ion Ratio Lower Upper

43 100

58 31.4 0.0 65.4



#21

2-Butanone

Concen: 3.086 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW014253.D

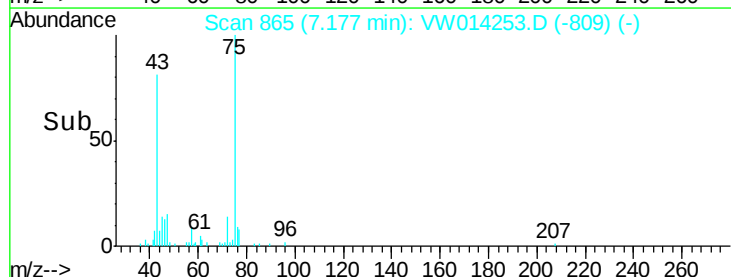
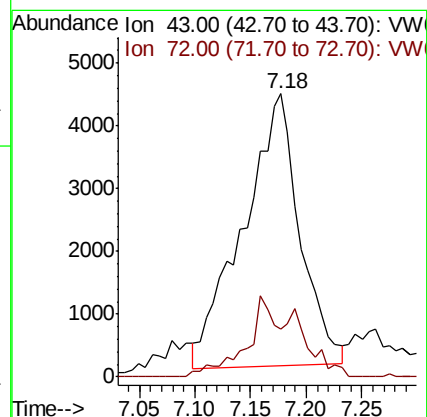
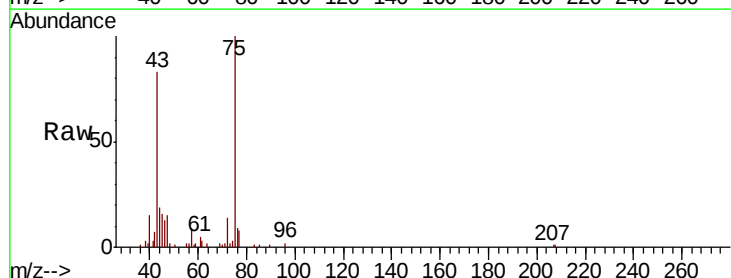
Acq: 06 Dec 2019 16:50

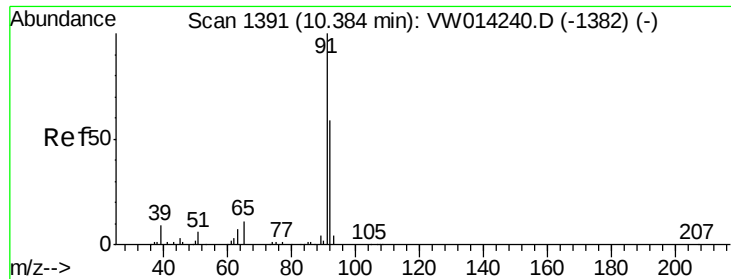
Tgt Ion: 43 Resp: 15408

Ion Ratio Lower Upper

43 100

72 8.2 14.1 42.2#





#44

Toluene

Concen: 0.342 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014253.D

Acq: 06 Dec 2019 16:50

Instrument :

MSVOA\_W

ClientSampleId :

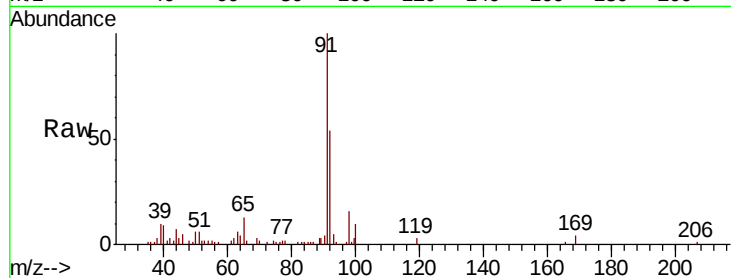
C0BT0

Tot Ion: 91 Resp: 16352

Ion Ratio Lower Upper

91 100

92 54.1 40.7 75.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

