

Data File : VW014692.D  
Acq On : 20 Jan 2020 13:53  
Operator : SY/VA  
Sample : L1118-20  
Misc : 4.99G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
GASN5

Quant Time: Jan 21 03:42:39 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM122719S.M  
Quant Title : VOC Analysis  
QLast Update : Tue Jan 21 03:38:42 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 1185362  | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 1065803  | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.55 | 152  | 465630   | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 340505   | 20.38    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 81.52%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 276848   | 22.49    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 89.96%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 510885   | 16.71    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 66.84%  |
| 20) 2-Butanone-d5              | 7.07   | 46    | 194472   | 48.91    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 97.82%  |
| 24) Chloroform-d               | 7.64   | 84    | 679777   | 24.93    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 99.72%  |
| 26) 1,2-Dichloroethane-d4      | 8.54   | 65    | 108      | 0.01     | ug/L | 0.24    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 0.04%#  |
| 29) Benzene-d6                 | 8.27   | 84    | 1431560  | 25.26    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 101.04% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 447241   | 26.24    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 104.96% |
| 37) Toluene-d8                 | 10.32  | 98    | 1286035  | 25.03    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 100.12% |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 172425   | 24.50    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 98.00%  |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 150291   | 51.58    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 103.16% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 332182   | 25.96    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 103.84% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 425191   | 27.71    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 110.84% |

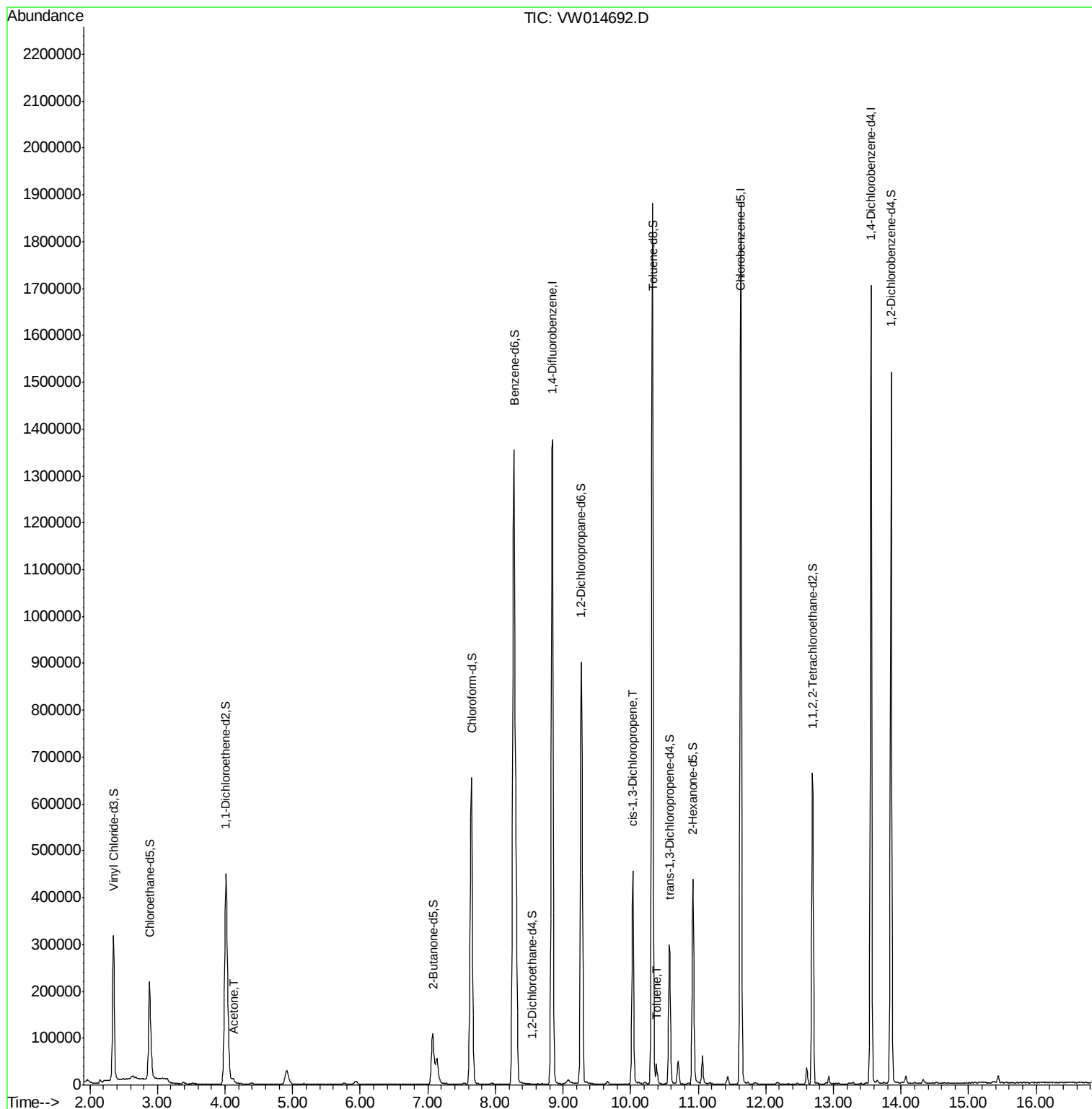
| Target Compounds            |       |    |       |              | Qvalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 13) Acetone                 | 4.12  | 43 | 17018 | 3.091 ug/L   | 100    |
| 42) cis-1,3-Dichloropropene | 10.03 | 75 | 10244 | 0.422 ug/L # | 73     |
| 44) Toluene                 | 10.38 | 91 | 28143 | 0.420 ug/L   | 89     |

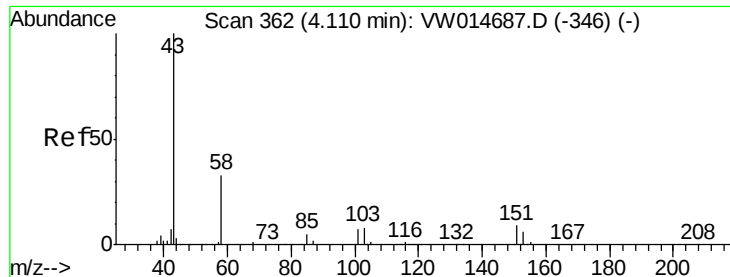
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 3.091 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

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Acq: 20 Jan 2020 13:53

Instrument :

MSVOA\_W

ClientSampled :

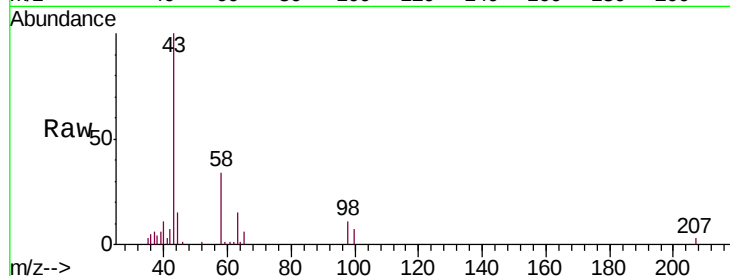
GASN5

Tgt Ion: 43 Resp: 17018

Ion Ratio Lower Upper

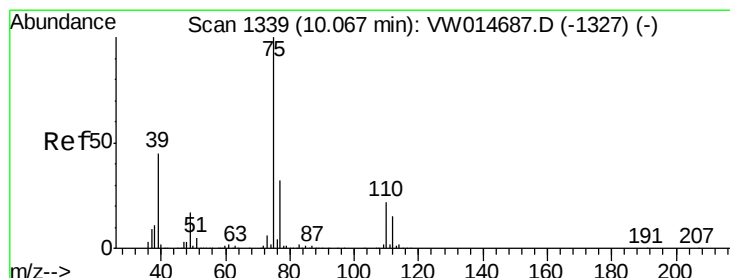
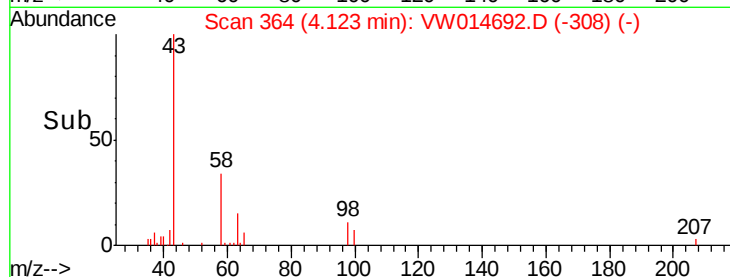
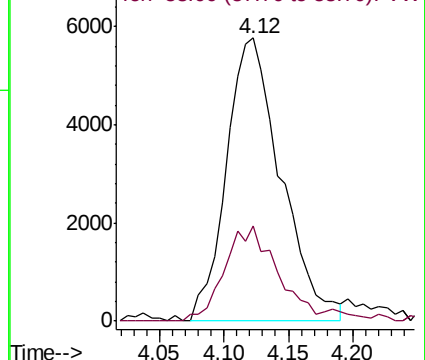
43 100

58 32.2 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#42

cis-1,3-Dichloropropene

Concen: 0.422 ug/L

RT: 10.03 min Scan# 1333

Delta R.T. -0.04 min

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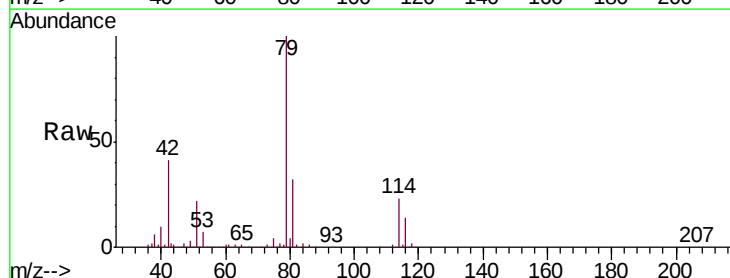
Acq: 20 Jan 2020 13:53

Tgt Ion: 75 Resp: 10244

Ion Ratio Lower Upper

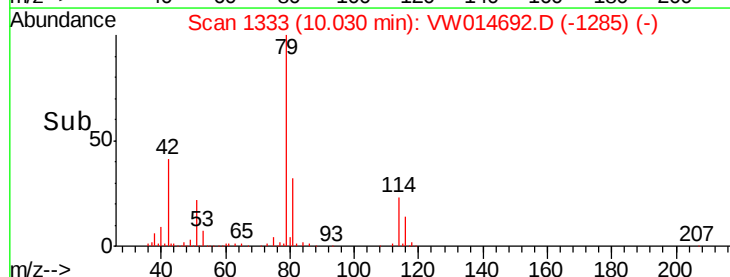
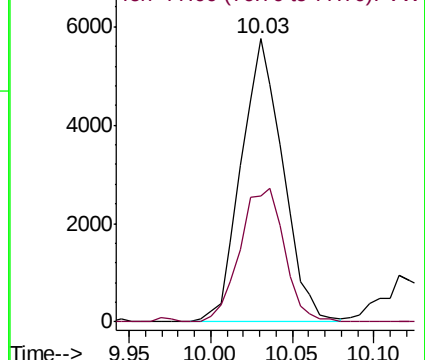
75 100

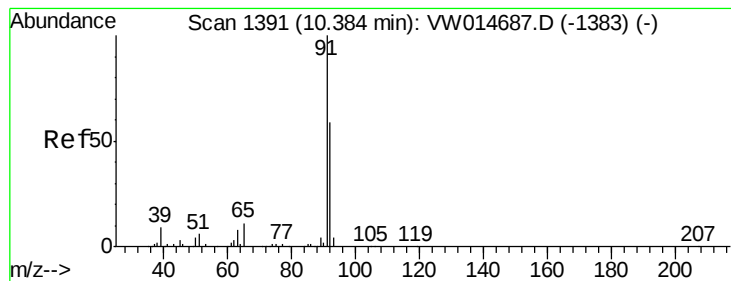
77 44.6 21.0 39.0#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#44

Toluene

Concen: 0.420 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

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ClientSampleId :

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Tgt Ion: 91 Resp: 28143

Ion Ratio Lower Upper

91 100

92 65.6 40.2 74.6

