

Data File : VW010934.D  
Acq On : 24 Jun 2019 17:02  
Operator : SY/VA  
Sample : VW0624SBL02  
Misc : 5.00G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VBLK25

Quant Time: Jun 25 02:49:19 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM062419S.M  
Quant Title : VOC Analysis  
QLast Update : Tue Jun 25 02:43:13 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 365959   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 324154   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 150386   | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 119532   | 25.20    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 100.80% |
| 7) Chloroethane-d5             | 2.88   | 69    | 84827    | 23.20    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 92.80%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 199220   | 17.77    | ug/L | -0.01   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 71.08%  |
| 20) 2-Butanone-d5              | 7.07   | 46    | 136448   | 61.25    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 122.50% |
| 24) Chloroform-d               | 7.65   | 84    | 233235   | 23.63    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 94.52%  |
| 26) 1,2-Dichloroethane-d4      | 8.41   | 65    | 109      | 0.02     | ug/L | 0.10    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 0.08%#  |
| 29) Benzene-d6                 | 8.27   | 84    | 492435   | 25.30    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 101.20% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 162574   | 25.28    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 101.12% |
| 37) Toluene-d8                 | 10.32  | 98    | 432648   | 24.64    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 98.56%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 69680    | 24.48    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 97.92%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 86271    | 59.70    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 119.40% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 147290   | 27.79    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 111.16% |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 144154   | 25.39    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 101.56% |

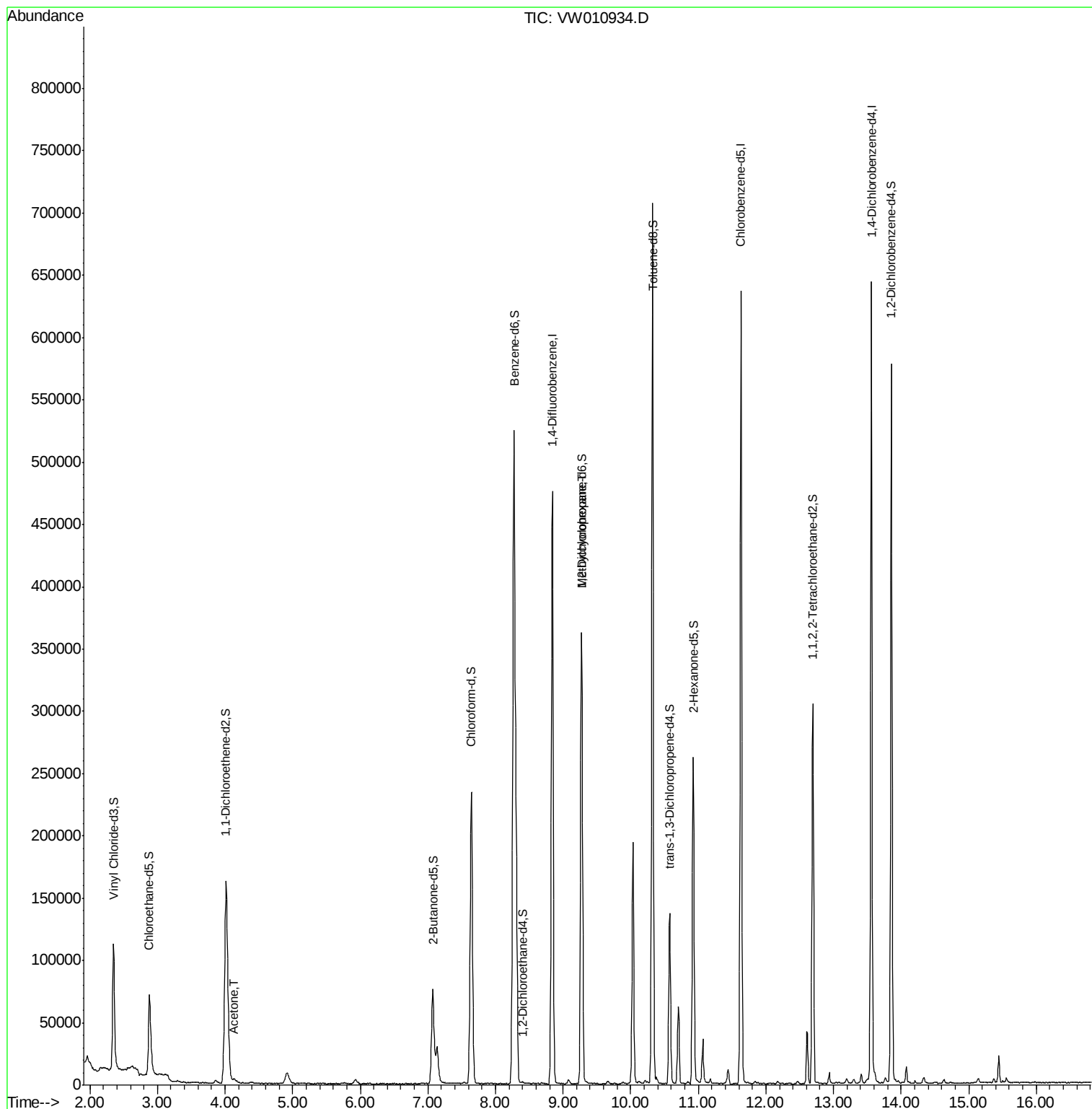
| Target Compounds      |      |    |       |              | Qvalue |
|-----------------------|------|----|-------|--------------|--------|
| 13) Acetone           | 4.13 | 43 | 3739  | 1.753 ug/L   | 89     |
| 36) Methylcyclohexane | 9.27 | 83 | 37531 | 3.785 ug/L # | 14     |

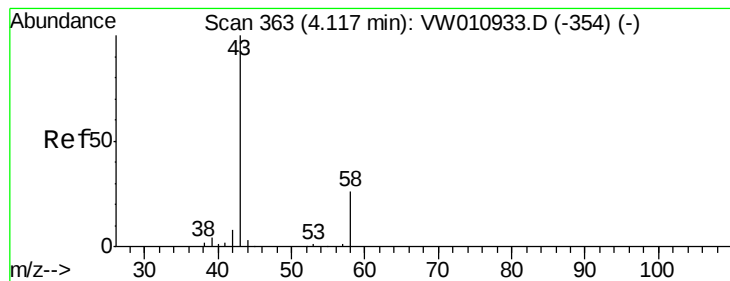
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 1.753 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

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Instrument :

MSVOA\_W

ClientSampled :

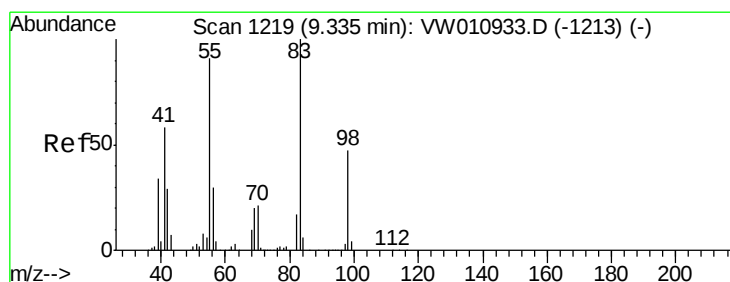
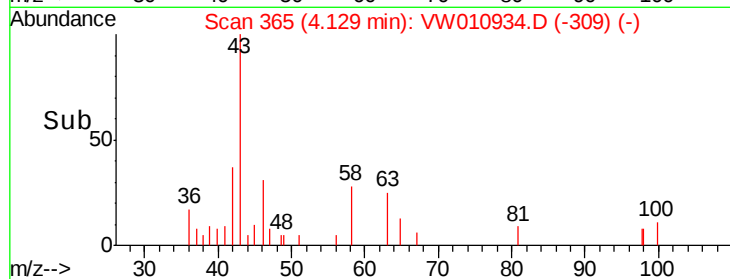
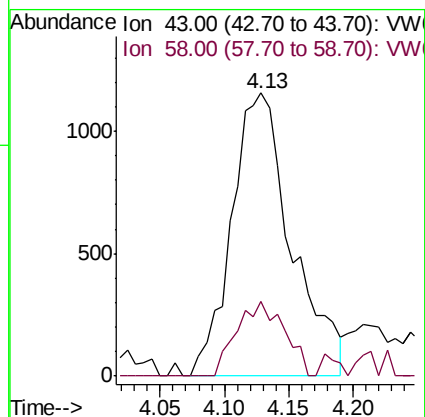
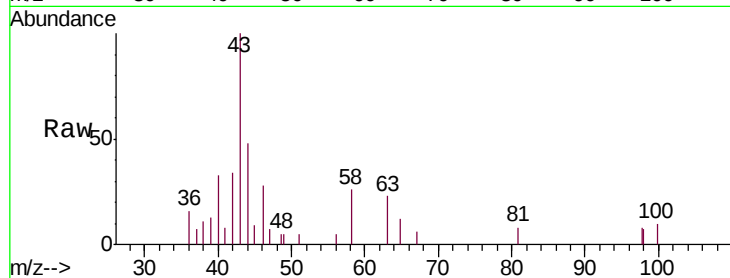
VBLK25

Tgt Ion: 43 Resp: 3739

Ion Ratio Lower Upper

43 100

58 21.0 0.0 53.2



#36

Methylcyclohexane

Concen: 3.785 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.06 min

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Acq: 24 Jun 2019 17:02

Tgt Ion: 83 Resp: 37531

Ion Ratio Lower Upper

83 100

55 0.6 72.2 108.2#

98 1.8 37.8 56.8#

