

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102618\  
 Data File : VW006363.D  
 Acq On : 25 Oct 2018 14:39  
 Operator : SY/AP  
 Sample : J5657-03  
 Misc : 5.96G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 A40K1

Quant Time: Oct 26 04:47:39 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM100918S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Oct 26 04:05:39 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 370134   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 322651   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 147018   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 74567    | 17.86    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 71.44% |
| 7) Chloroethane-d5             | 2.90   | 69    | 71777    | 19.98    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 79.92% |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 117773   | 14.69    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 58.76% |
| 20) 2-Butanone-d5              | 7.09   | 46    | 53005    | 38.31    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 76.62% |
| 24) Chloroform-d               | 7.65   | 84    | 178913   | 22.31    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 89.24% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 102005   | 23.00    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 92.00% |
| 29) Benzene-d6                 | 8.27   | 84    | 351162   | 23.97    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 95.88% |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 104635   | 23.67    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 94.68% |
| 37) Toluene-d8                 | 10.33  | 98    | 332509   | 22.70    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 90.80% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 40298    | 18.76    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 75.04% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 42355    | 39.65    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 79.30% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 102505   | 23.84    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 95.36% |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 118287   | 23.47    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 93.88% |

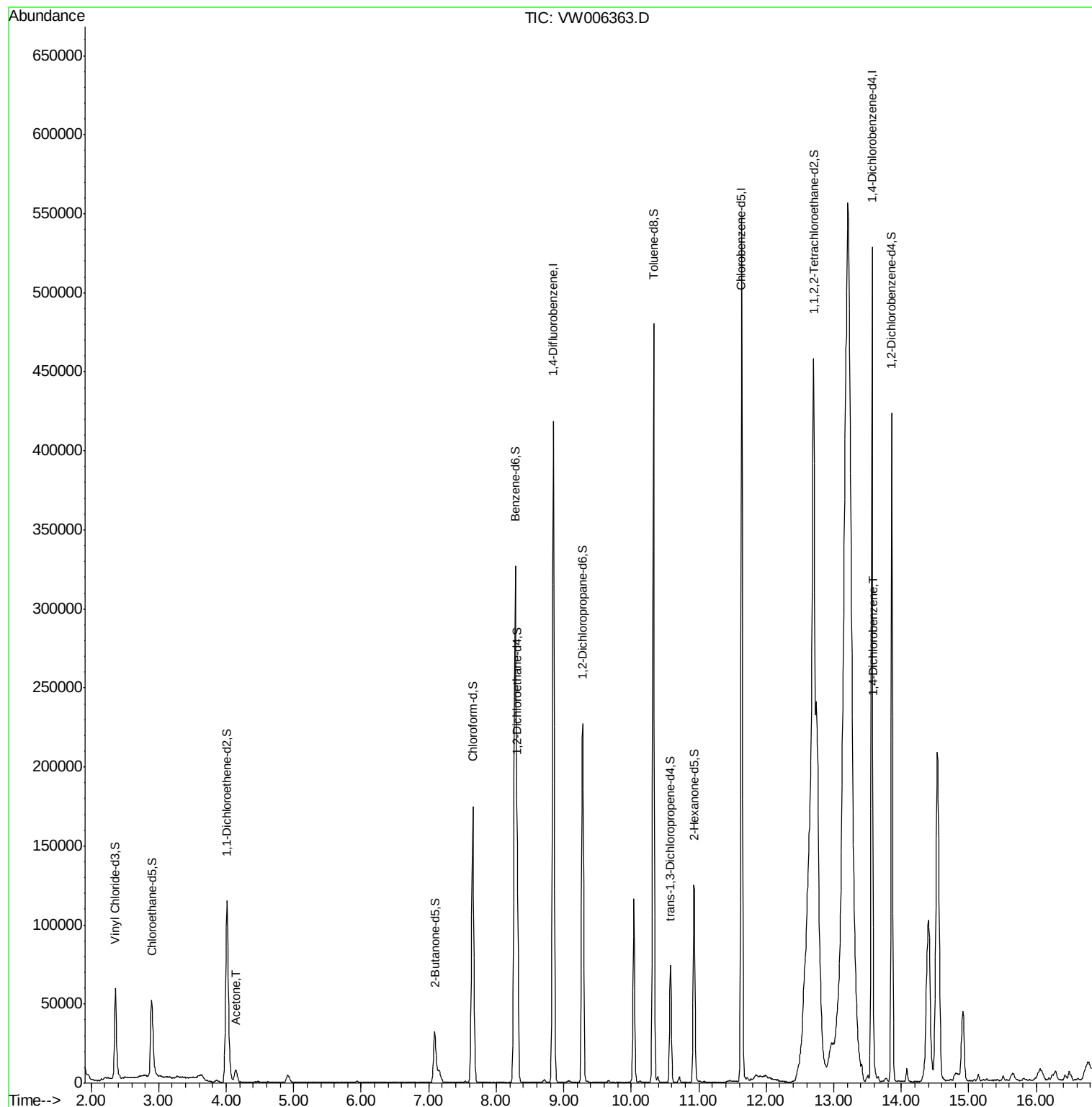
| Target Compounds        |       |     |       |            | Ovalue |
|-------------------------|-------|-----|-------|------------|--------|
| 13) Acetone             | 4.14  | 43  | 13076 | 9.355 ug/L | 99     |
| 64) 1,4-Dichlorobenzene | 13.58 | 146 | 11278 | 1.240 ug/L | 94     |

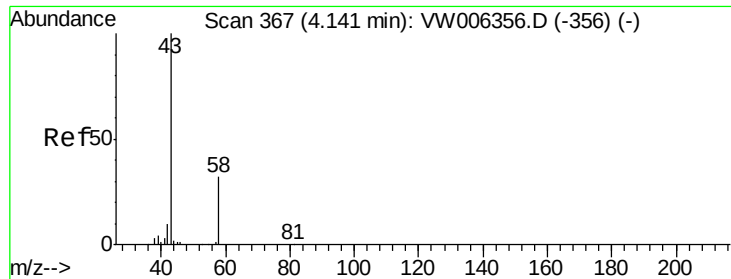
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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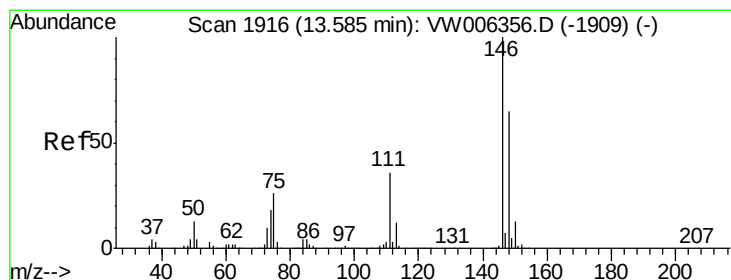
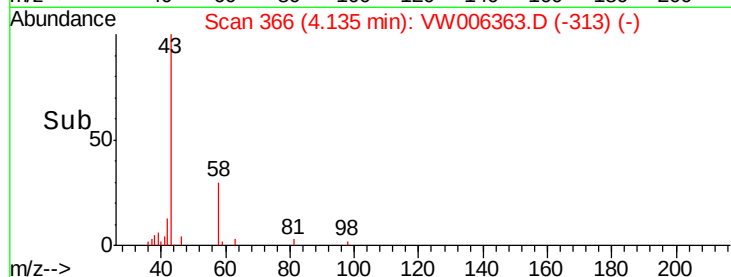
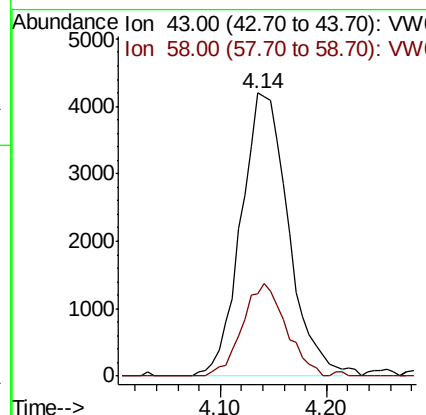
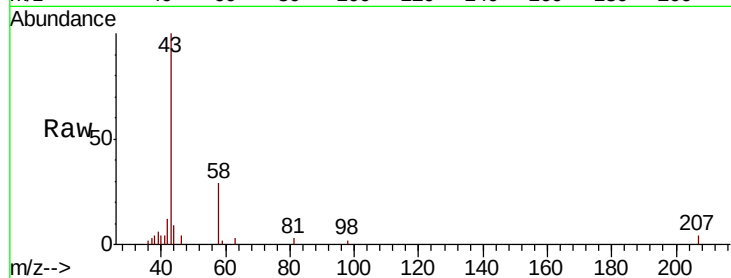




#13  
Acetone  
Concen: 9.355 ug/L  
RT: 4.14 min Scan# 366  
Delta R.T. -0.01 min  
Lab File: VW006363.D  
Acq: 25 Oct 2018 14:39

Instrument :  
MSVOA\_W  
ClientSampleId :  
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Tot Ion: 43 Resp: 13076  
Ion Ratio Lower Upper  
43 100  
58 30.1 0.0 61.2



#64  
1,4-Dichlorobenzene  
Concen: 1.240 ug/L  
RT: 13.58 min Scan# 1916  
Delta R.T. 0.00 min  
Lab File: VW006363.D  
Acq: 25 Oct 2018 14:39

Tgt Ion: 146 Resp: 11278  
Ion Ratio Lower Upper  
146 100  
111 31.4 24.7 45.9  
148 60.4 44.9 83.5

