

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122719\  
 Data File : VW014485.D  
 Acq On : 28 Dec 2019 02:35  
 Operator : SY/VA  
 Sample : VIBLK  
 Misc : 5.00G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Dec 28 03:27:28 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM122719S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Dec 28 03:24:24 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 1048479  | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 924360   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.55 | 152  | 434148   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 363239   | 24.57    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 98.28%   |
| 7) Chloroethane-d5             | 2.89   | 69    | 292865   | 26.89    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 107.56%  |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 489456   | 18.10    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 72.40%   |
| 20) 2-Butanone-d5              | 7.07   | 46    | 238834   | 67.91    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 135.82%# |
| 24) Chloroform-d               | 7.64   | 84    | 604431   | 25.06    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 100.24%  |
| 26) 1,2-Dichloroethane-d4      | 8.42   | 65    | 195      | 0.02     | ug/L | 0.12     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 0.08%#   |
| 29) Benzene-d6                 | 8.27   | 84    | 1370786  | 27.89    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 111.56%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 408185   | 27.62    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 110.48%  |
| 37) Toluene-d8                 | 10.32  | 98    | 1247784  | 28.00    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 112.00%  |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 164251   | 26.91    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 107.64%  |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 184356   | 72.95    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 145.90%# |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 344886   | 31.08    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 124.32%# |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 420227   | 29.38    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 117.52%  |

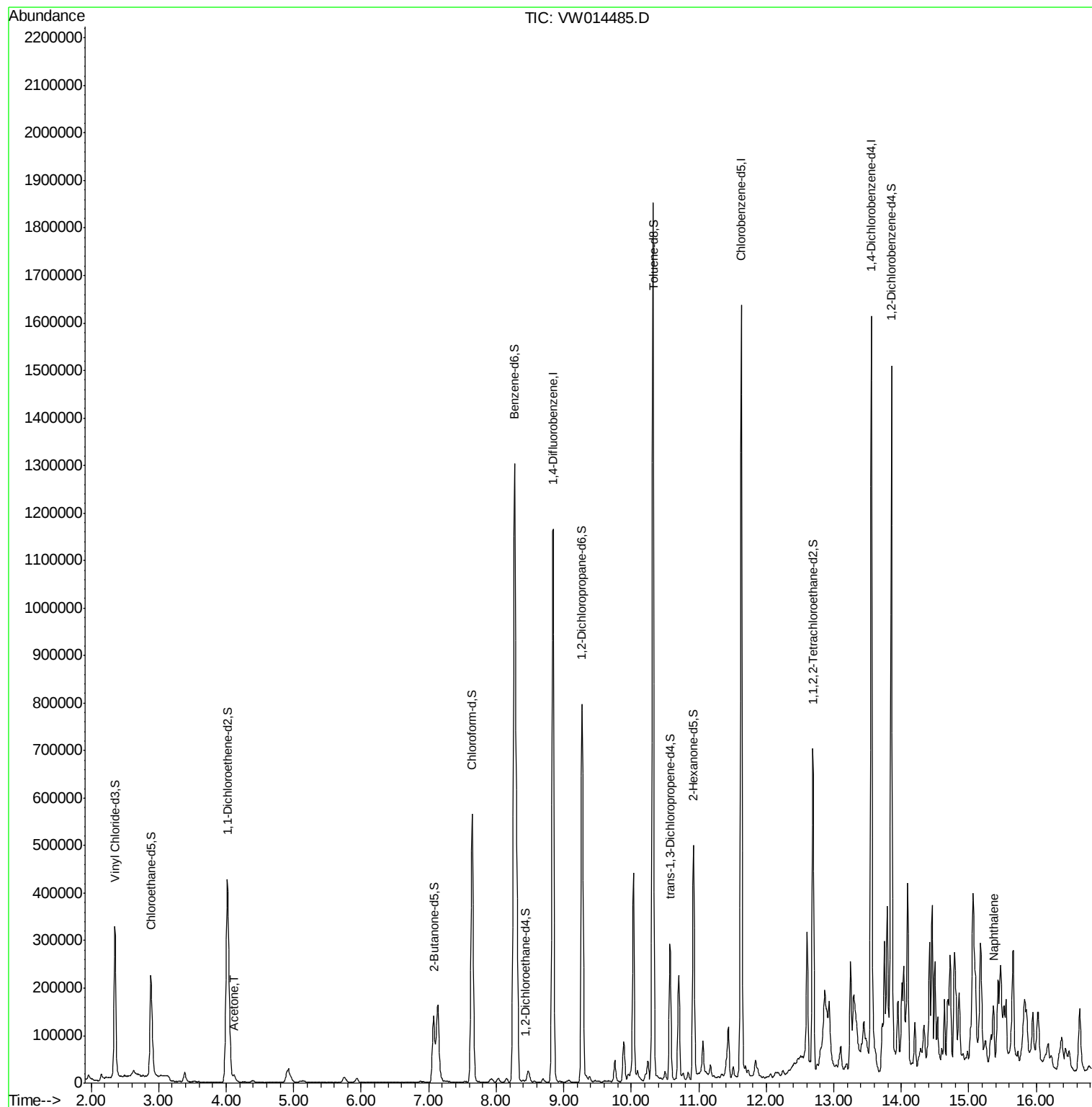
| Target Compounds |       |     |       |            | Ovalue |
|------------------|-------|-----|-------|------------|--------|
| 13) Acetone      | 4.12  | 43  | 22697 | 4.661 ug/L | 98     |
| 69) Naphthalene  | 15.36 | 128 | 83195 | 3.157 ug/L | 98     |

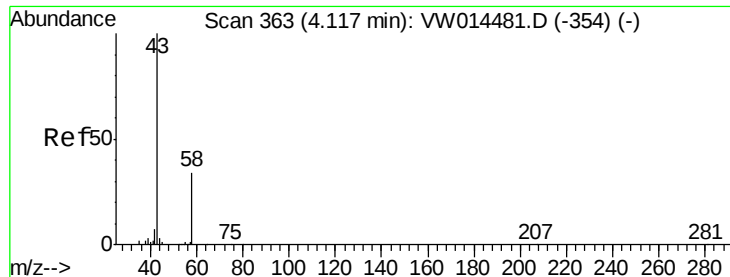
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_W  
ClientSampleId :

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM122719S.M  
Quant Title : VOC Analysis  
QLast Update : Sat Dec 28 03:24:24 2019  
Response via : Initial Calibration

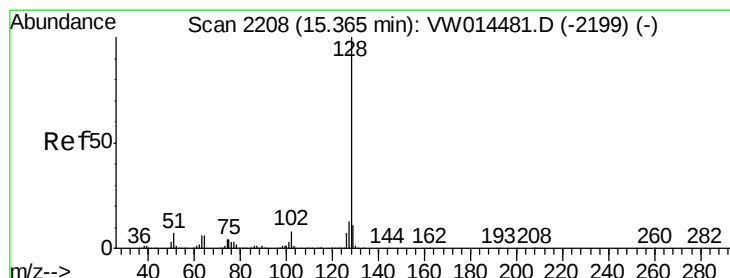
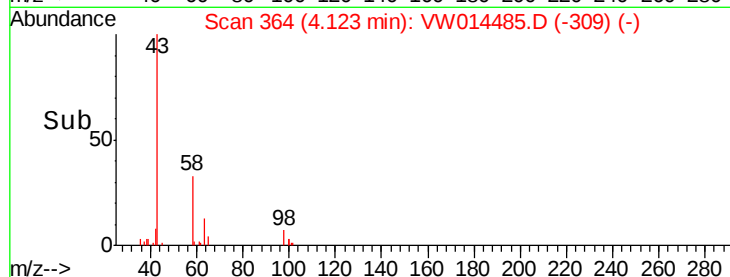
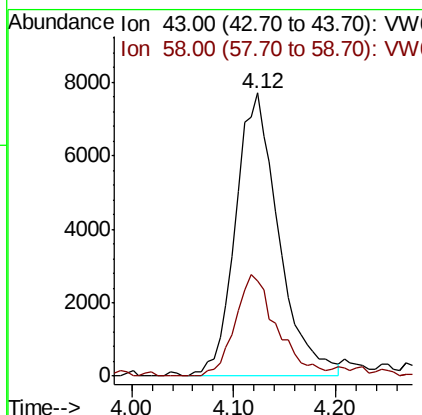
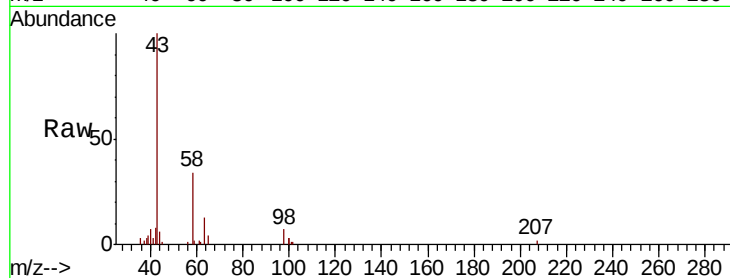




#13  
Acetone  
Concen: 4.661 ug/L  
RT: 4.12 min Scan# 364  
Delta R.T. 0.01 min  
Lab File: VW014485.D  
Acq: 28 Dec 2019 02:35

Instrument :  
MSVOA\_W  
ClientSampleId :

Tot Ion: 43 Resp: 22697  
Ion Ratio Lower Upper  
43 100  
58 33.4 0.0 64.0



#69  
Naphthalene  
Concen: 3.157 ug/L  
RT: 15.36 min Scan# 2208  
Delta R.T. 0.00 min  
Lab File: VW014485.D  
Acq: 28 Dec 2019 02:35

Tgt Ion: 128 Resp: 83195  
Ion Ratio Lower Upper  
128 100  
129 12.1 8.8 13.2  
127 12.7 10.6 16.0

