

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW040519\  
 Data File : VW009707.D  
 Acq On : 05 Apr 2019 02:58  
 Operator : SY/VA  
 Sample : K2276-05  
 Misc : 5.14G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BF132

Manual Integrations  
 APPROVED

MMDadoda  
 4/8/2019 3:32:42 AM

Quant Time: Apr 05 15:58:12 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM040319S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Apr 05 05:32:00 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 352910   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 343578   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 145567   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 131957   | 28.57    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 114.28%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 115709   | 27.35    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 109.40%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 216880   | 21.84    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 87.36%   |
| 20) 2-Butanone-d5              | 7.07   | 46    | 111304   | 74.23    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 148.46%# |
| 24) Chloroform-d               | 7.64   | 84    | 251489   | 26.12    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 104.48%  |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 164699   | 27.86    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 111.44%  |
| 29) Benzene-d6                 | 8.27   | 84    | 486297   | 26.96    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 107.84%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 146876   | 26.37    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 105.48%  |
| 37) Toluene-d8                 | 10.32  | 98    | 437808   | 26.25    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 105.00%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 65048    | 24.48    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 97.92%   |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 70957    | 67.58    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 135.16%# |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 150682   | 29.09    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 116.36%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 154947   | 30.33    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 121.32%# |

| Target Compounds       |      |    |       |            | Ovalue |
|------------------------|------|----|-------|------------|--------|
| 13) Acetone            | 4.12 | 43 | 2304  | 1.434 ug/L | 85     |
| 16) Methylene chloride | 4.92 | 84 | 6615m | 1.063 ug/L |        |

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

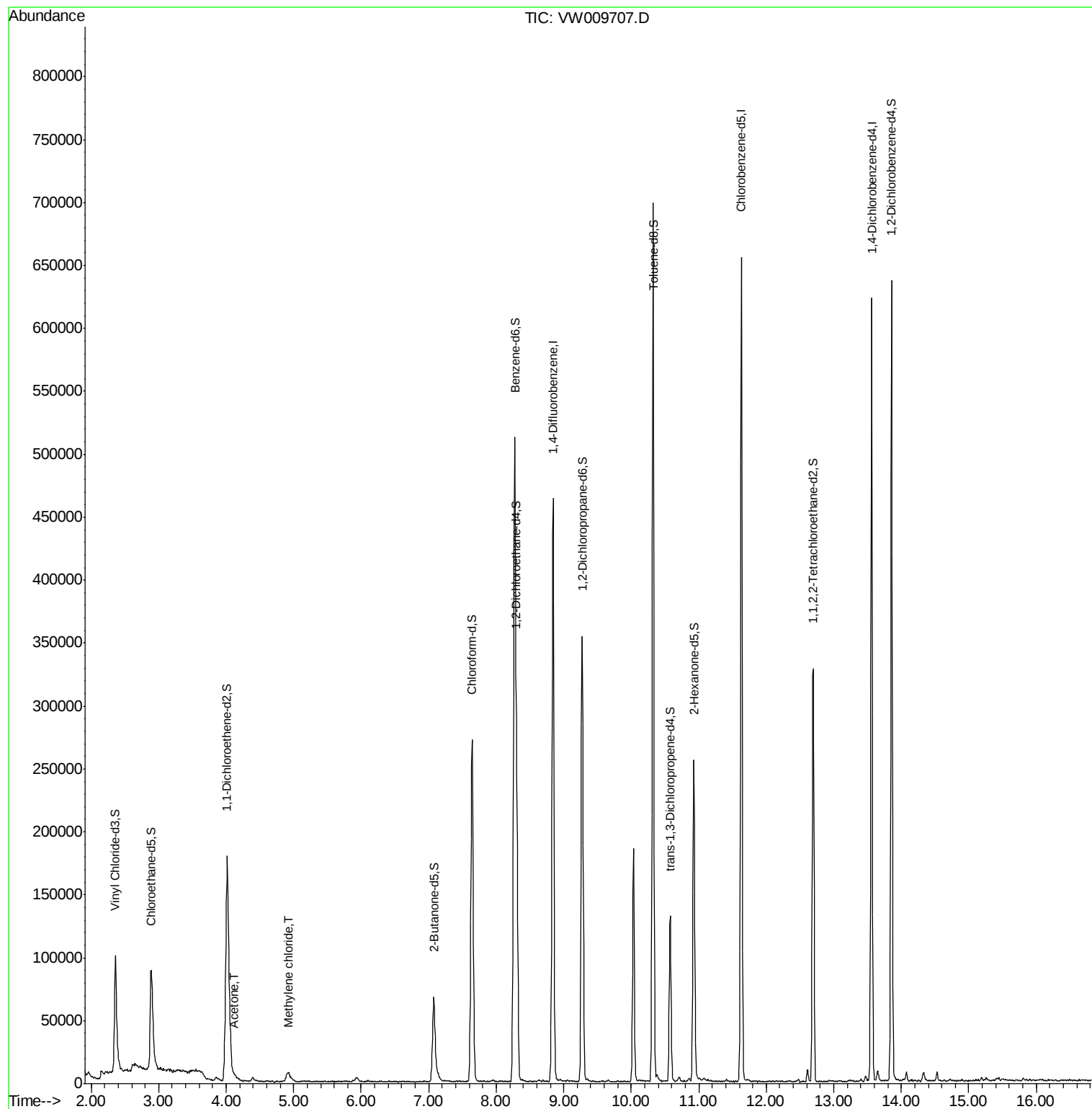
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040519\  
Data File : VW009707.D  
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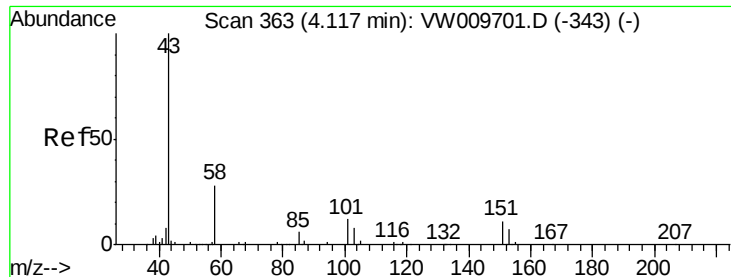
Instrument :  
MSVOA\_W  
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Quant Time: Apr 05 15:58:12 2019  
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Quant Title : VOC Analysis  
QLast Update : Fri Apr 05 05:32:00 2019  
Response via : Initial Calibration





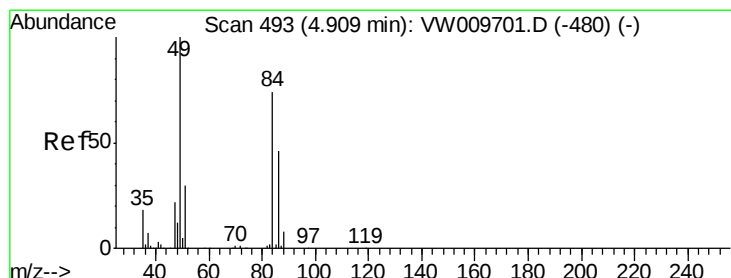
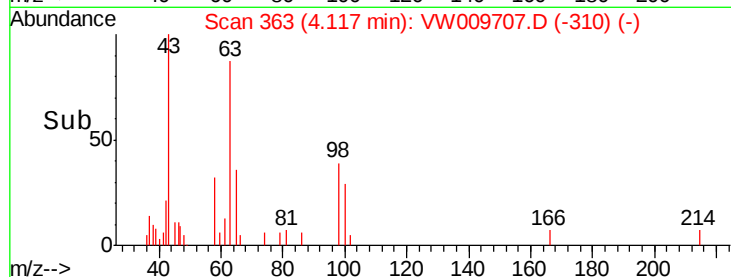
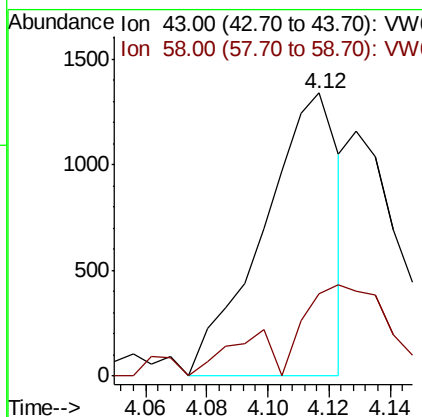
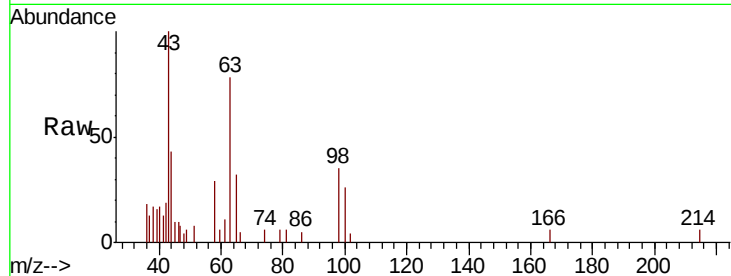
#13  
Acetone  
Concen: 1.434 ug/L  
RT: 4.12 min Scan# 363  
Delta R.T. -0.01 min  
Lab File: VW009707.D  
Acq: 05 Apr 2019 02:58

Instrument :  
MSVOA\_W  
ClientSampled :  
BF132

| Tot Ion   | 43   | Resp  | 2304  |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 58        | 34.3 | 0.0   | 53.0  |

Manual Integrations  
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#16  
Methylene chloride  
Concen: 1.063 ug/L m  
RT: 4.92 min Scan# 495  
Delta R.T. 0.01 min  
Lab File: VW009707.D  
Acq: 05 Apr 2019 02:58

| Tgt Ion   | 84    | Resp  | 6615  |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 49        | 139.2 | 98.3  | 182.5 |
| 86        | 41.5  | 46.4  | 86.2# |

