

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW040119\  
 Data File : VW009641.D  
 Acq On : 01 Apr 2019 23:22  
 Operator : SY/VA  
 Sample : K2119-12  
 Misc : 5.52G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BF5A7

Manual Integrations  
 APPROVED

MMDadoda  
 4/8/2019 3:30:37 AM

Quant Time: Apr 02 03:49:03 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM031419S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Apr 02 01:34:09 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 440080   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 426126   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 187753   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 107122   | 20.37    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 81.48% |
| 7) Chloroethane-d5             | 2.89   | 69    | 108511   | 17.63    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 70.52% |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 178178   | 15.68    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 62.72% |
| 20) 2-Butanone-d5              | 7.08   | 46    | 89317    | 41.07    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 82.14% |
| 24) Chloroform-d               | 7.64   | 84    | 263532   | 21.94    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 87.76% |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 164425   | 22.73    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 90.92% |
| 29) Benzene-d6                 | 8.27   | 84    | 461320   | 19.63    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 78.52% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 149685   | 21.21    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 84.84% |
| 37) Toluene-d8                 | 10.32  | 98    | 397326   | 18.29    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 73.16% |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 62254    | 17.56    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 70.24% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 56045    | 32.78    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 65.56% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 146421   | 21.06    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 84.24% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 157659   | 21.90    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 87.60% |

| Target Compounds       |      |    |        |            | Ovalue |
|------------------------|------|----|--------|------------|--------|
| 13) Acetone            | 4.12 | 43 | 6293   | 3.528 ug/L | 100    |
| 16) Methylene chloride | 4.92 | 84 | 24771m | 3.860 ug/L |        |

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

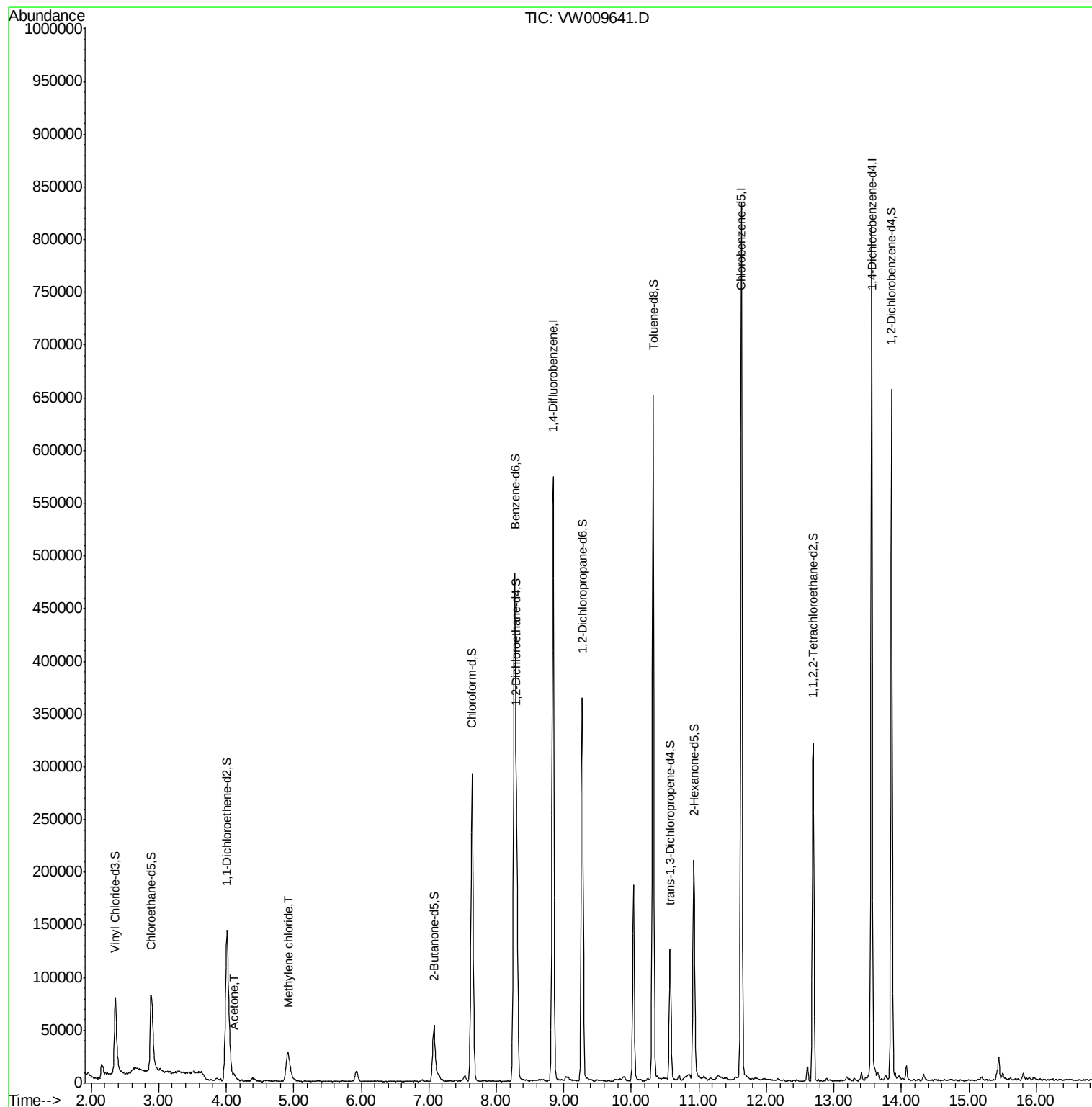
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040119\  
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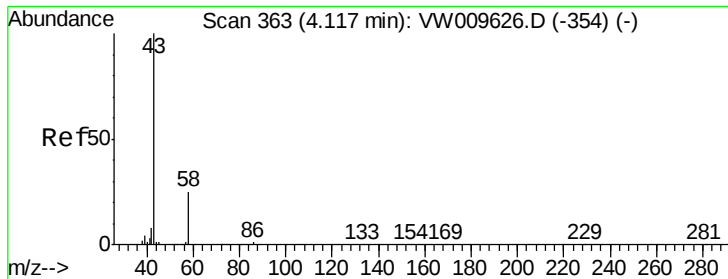
Instrument :  
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Quant Time: Apr 02 03:49:03 2019  
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Quant Title : VOC Analysis  
QLast Update : Tue Apr 02 01:34:09 2019  
Response via : Initial Calibration





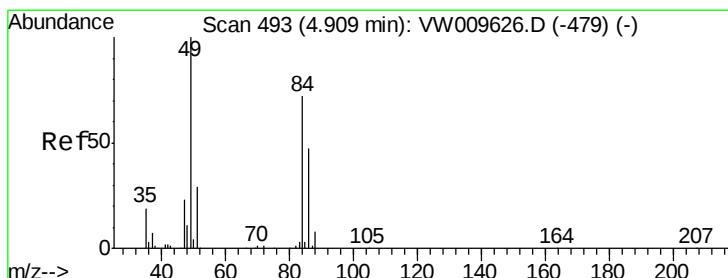
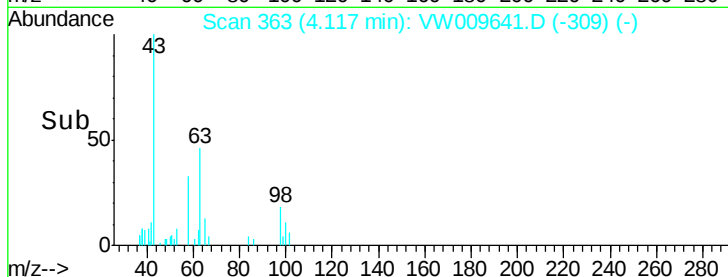
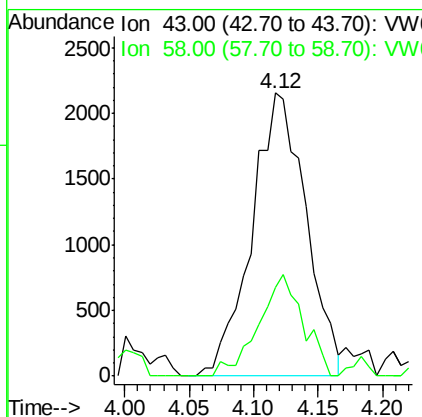
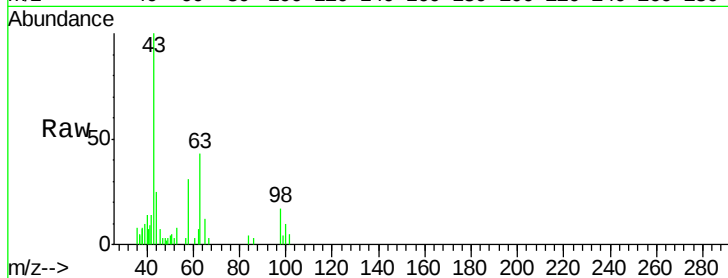
#13  
Acetone  
Concen: 3.528 ug/L  
RT: 4.12 min Scan# 363  
Delta R.T. -0.00 min  
Lab File: VW009641.D  
Acq: 01 Apr 2019 23:22

Instrument :  
MSVOA\_W  
ClientSampleId :  
BF5A7

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 43      | 100   | 6293 |       |       |
| 58      | 27.9  |      | 0.0   | 56.2  |

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#16  
Methylene chloride  
Concen: 3.860 ug/L m  
RT: 4.92 min Scan# 494  
Delta R.T. 0.01 min  
Lab File: VW009641.D  
Acq: 01 Apr 2019 23:22

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 84      | 100   | 24771 |       |       |
| 49      | 146.9 |       | 96.0  | 178.2 |
| 86      | 62.8  |       | 44.4  | 82.5  |

