

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW040119\  
 Data File : VW009640.D  
 Acq On : 01 Apr 2019 22:54  
 Operator : SY/VA  
 Sample : K2119-11  
 Misc : 5.09G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BF5A5

Manual Integrations  
 APPROVED

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

Quant Time: Apr 02 03:44:40 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  | 192343   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 197855   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 85383    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 58497    | 25.45    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 101.80% |
| 7) Chloroethane-d5             | 2.89   | 69    | 57776    | 21.48    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 85.92%  |
| 10) 1,1-Dichloroethene-d2      | 4.00   | 63    | 95188    | 19.16    | ug/L | -0.01   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 76.64%  |
| 20) 2-Butanone-d5              | 7.07   | 46    | 49754    | 52.34    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 104.68% |
| 24) Chloroform-d               | 7.65   | 84    | 138373   | 26.36    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 105.44% |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 92389    | 29.22    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 116.88% |
| 29) Benzene-d6                 | 8.27   | 84    | 235062   | 21.54    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 86.16%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 81008    | 24.72    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 98.88%  |
| 37) Toluene-d8                 | 10.32  | 98    | 196810   | 19.51    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 78.04%  |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 34065    | 20.70    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 82.80%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 33611    | 42.34    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 84.68%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 87665    | 27.16    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 108.64% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 83301    | 25.44    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 101.76% |

| Target Compounds       |      |    |        |            | Ovalue |
|------------------------|------|----|--------|------------|--------|
| 13) Acetone            | 4.13 | 43 | 3028   | 3.884 ug/L | 99     |
| 16) Methylene chloride | 4.90 | 84 | 13513m | 4.818 ug/L |        |

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

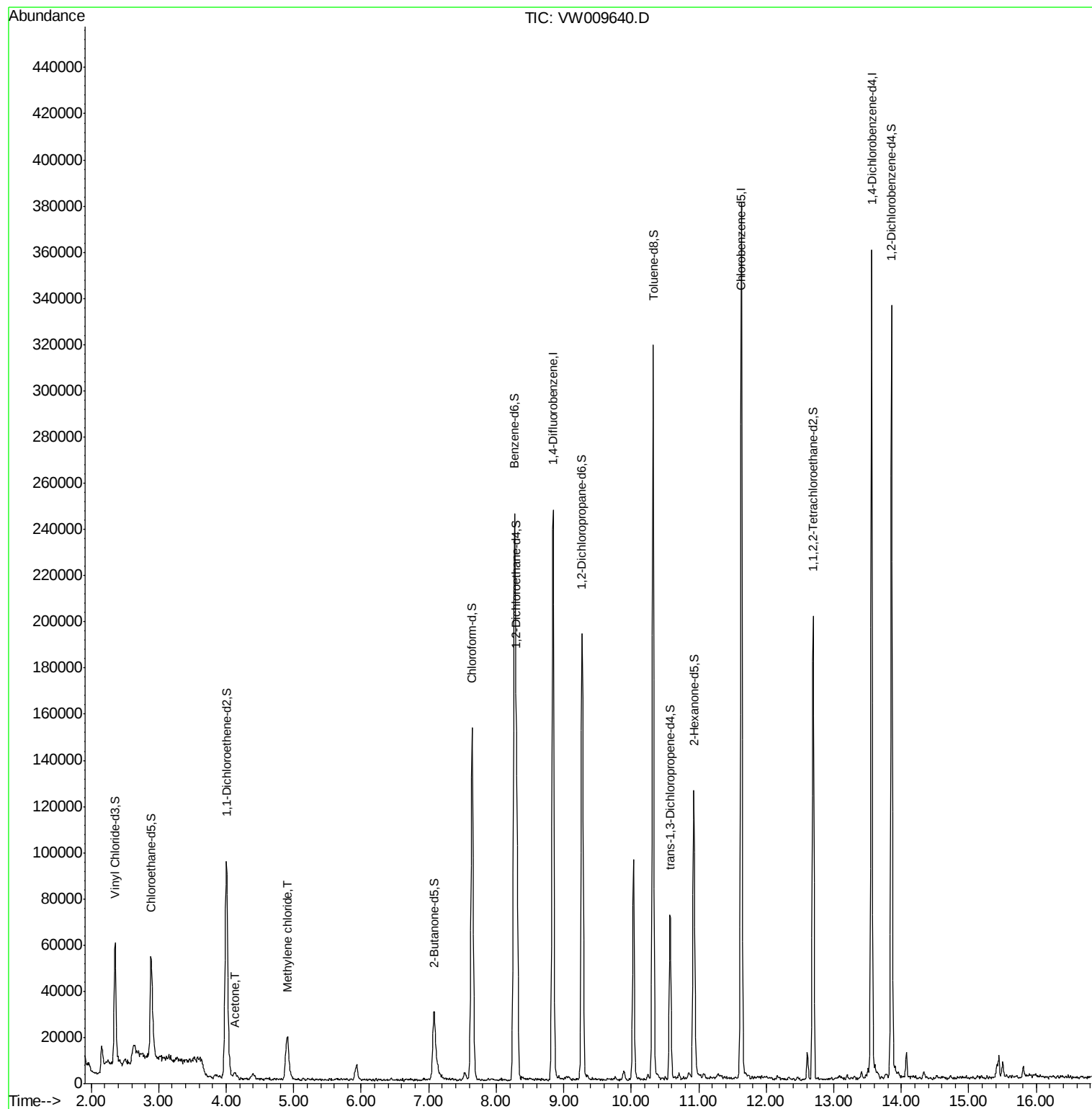
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040119\  
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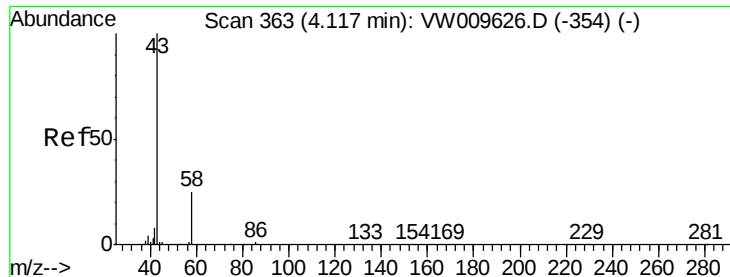
Instrument :  
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Quant Title : VOC Analysis  
QLast Update : Tue Apr 02 01:34:09 2019  
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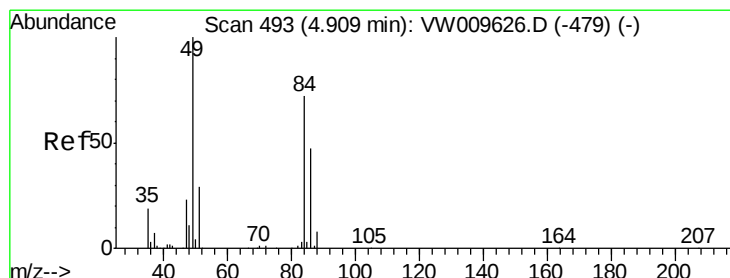
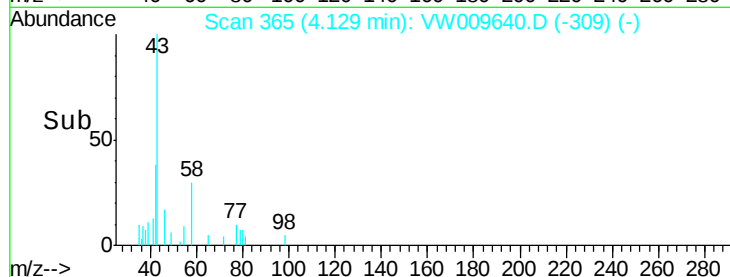
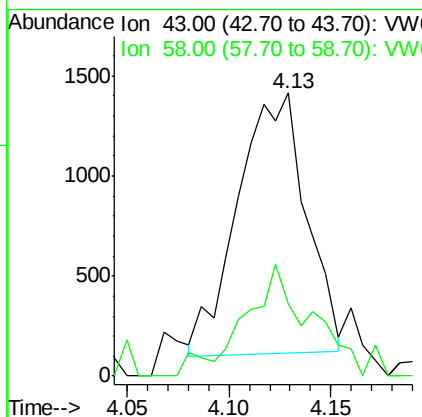
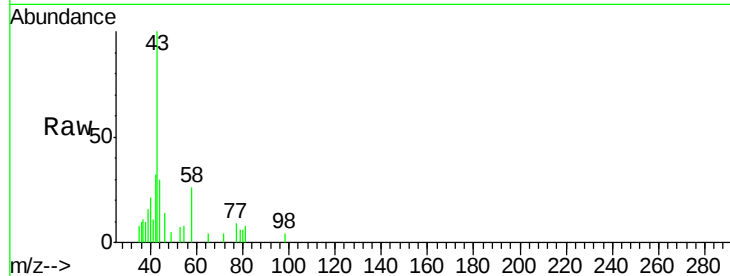
#13  
Acetone  
Concen: 3.884 ug/L  
RT: 4.13 min Scan# 365  
Delta R.T. 0.01 min  
Lab File: VW009640.D  
Acq: 01 Apr 2019 22:54

Instrument :  
MSVOA\_W  
ClientSampleId :  
BF5A5

Tot Ion: 43 Resp: 3028  
Ion Ratio Lower Upper  
43 100  
58 27.4 0.0 56.2

Manual Integrations  
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4/8/2019 3:30:37 AM



#16  
Methylene chloride  
Concen: 4.818 ug/L m  
RT: 4.90 min Scan# 492  
Delta R.T. -0.01 min  
Lab File: VW009640.D  
Acq: 01 Apr 2019 22:54

Tgt Ion: 84 Resp: 13513  
Ion Ratio Lower Upper  
84 100  
49 157.4 96.0 178.2  
86 58.5 44.4 82.5

