

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032619\  
 Data File : VW009460.D  
 Acq On : 26 Mar 2019 12:13  
 Operator : SY/VA  
 Sample : K2065-07  
 Misc : 5.62G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BF5K1

Manual Integrations  
 APPROVED

MMDadoda  
 3/30/2019 12:36:13 PM

Quant Time: Mar 27 07:24:47 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM031419S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Mar 27 01:27:49 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 332784   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 305549   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 124452   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 72234    | 18.16    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 72.64% |
| 7) Chloroethane-d5             | 2.89   | 69    | 80079    | 17.21    | ug/L | 0.01   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 68.84% |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 120102   | 13.97    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 55.88% |
| 20) 2-Butanone-d5              | 7.08   | 46    | 66233    | 40.27    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 80.54% |
| 24) Chloroform-d               | 7.64   | 84    | 185139   | 20.39    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 81.56% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 115250   | 21.07    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 84.28% |
| 29) Benzene-d6                 | 8.27   | 84    | 323509   | 19.20    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 76.80% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 105980   | 20.94    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 83.76% |
| 37) Toluene-d8                 | 10.32  | 98    | 271572   | 17.43    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 69.72% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 44406    | 17.47    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 69.88% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 45088    | 36.78    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 73.56% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 100621   | 20.19    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 80.76% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 97426    | 20.42    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 81.68% |

| Target Compounds       |      |    |        |            | Ovalue |
|------------------------|------|----|--------|------------|--------|
| 13) Acetone            | 4.12 | 43 | 6125   | 4.541 ug/L | 58     |
| 16) Methylene chloride | 4.92 | 84 | 20588m | 4.242 ug/L |        |

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

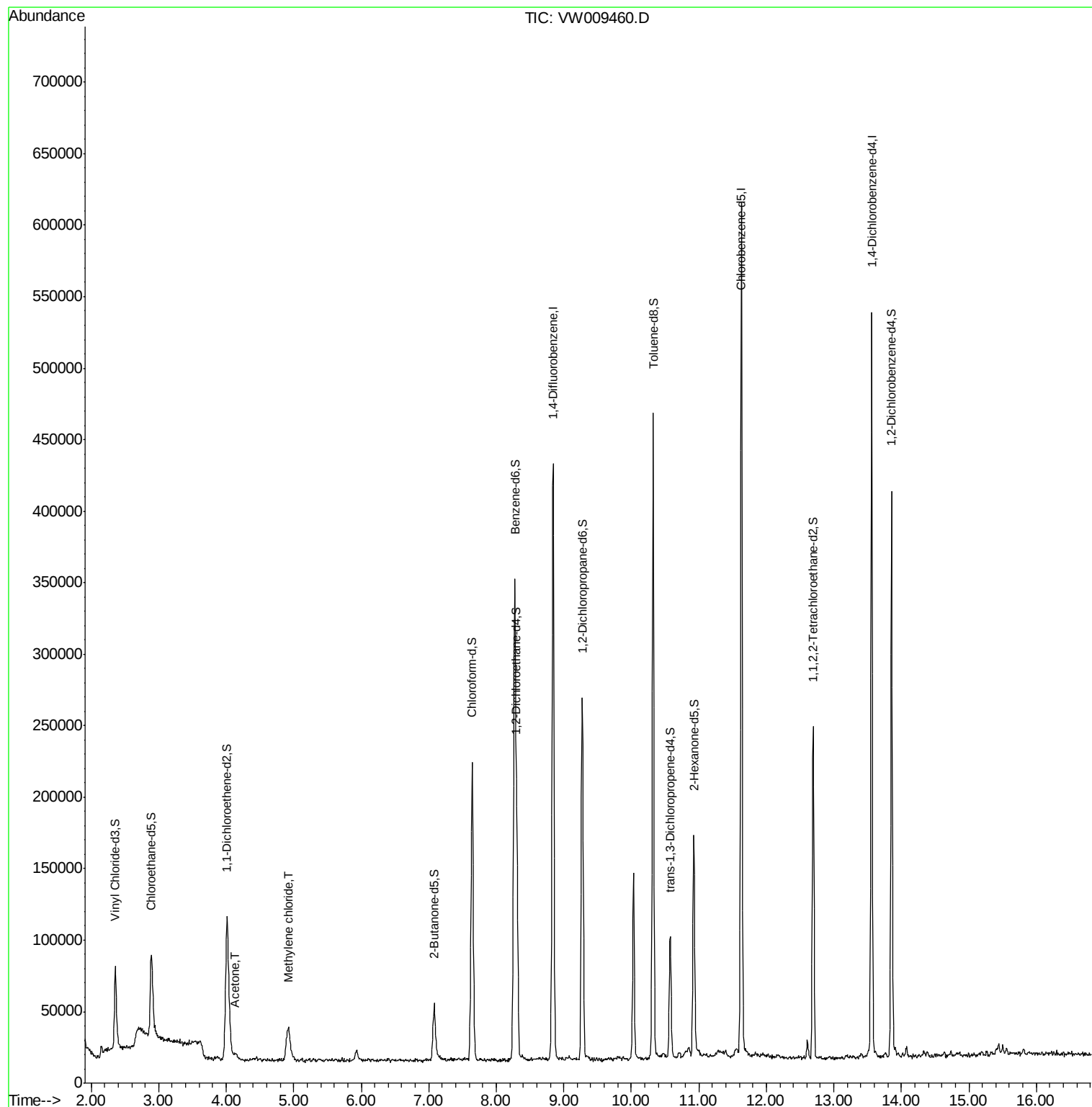
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW032619\  
Data File : VW009460.D  
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Sample : K2065-07  
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ALS Vial : 1 Sample Multiplier: 1

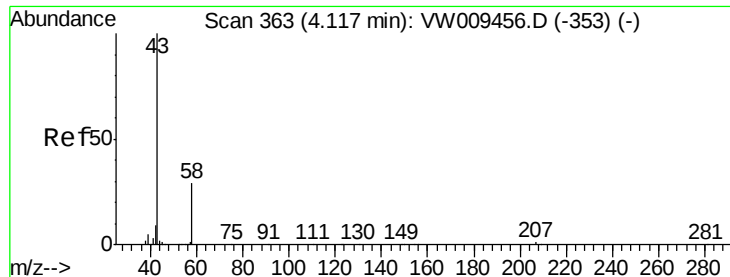
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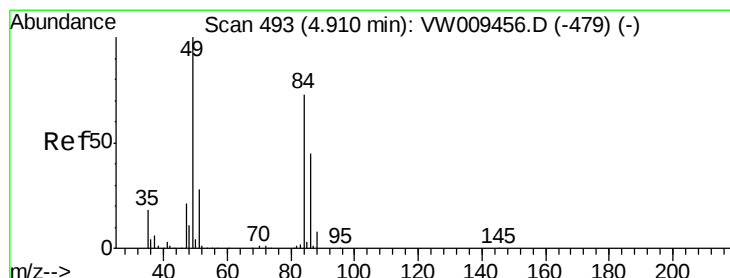
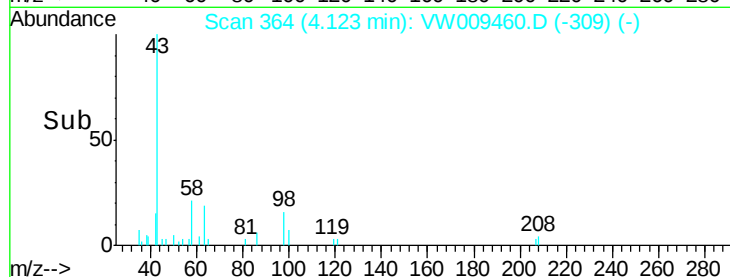
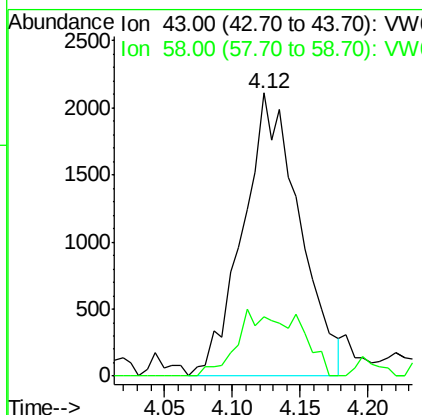
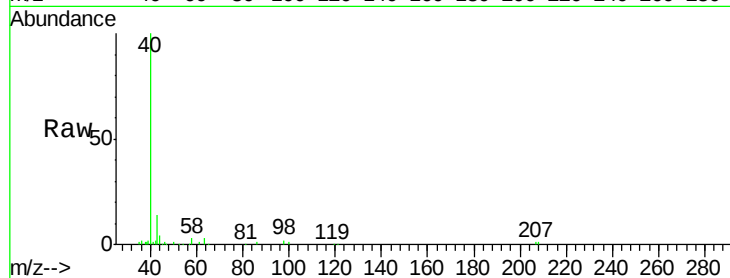
#13  
Acetone  
Concen: 4.541 ug/L  
RT: 4.12 min Scan# 364  
Delta R.T. 0.01 min  
Lab File: VW009460.D  
Acq: 26 Mar 2019 12:13

Instrument :  
MSVOA\_W  
ClientSampleId :  
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| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 6.2   | 0.0   | 56.2  |

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#16  
Methylene chloride  
Concen: 4.242 ug/L m  
RT: 4.92 min Scan# 495  
Delta R.T. 0.01 min  
Lab File: VW009460.D  
Acq: 26 Mar 2019 12:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 156.6 | 96.0  | 178.2 |
| 86      | 60.0  | 44.4  | 82.5  |

