

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032319\  
 Data File : VW009388.D  
 Acq On : 23 Mar 2019 14:12  
 Operator : SY/VA  
 Sample : K2048-16  
 Misc : 6.14G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BF0F8

Manual Integrations  
 APPROVED

MMDadoda  
 3/25/2019 8:33:27 AM

Quant Time: Mar 24 01:22:53 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM031419S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Mar 23 22:42:53 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 381794   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 345969   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 133386   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 102870   | 22.55    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 90.20% |
| 7) Chloroethane-d5             | 2.89   | 69    | 106020   | 19.86    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 79.44% |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 168168   | 17.05    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 68.20% |
| 20) 2-Butanone-d5              | 7.07   | 46    | 81114    | 42.99    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 85.98% |
| 24) Chloroform-d               | 7.65   | 84    | 250366   | 24.03    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 96.12% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 146646m  | 23.36    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 93.44% |
| 29) Benzene-d6                 | 8.27   | 84    | 452753   | 23.73    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 94.92% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 139929   | 24.42    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 97.68% |
| 37) Toluene-d8                 | 10.32  | 98    | 389518   | 22.08    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 88.32% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 58811    | 20.43    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 81.72% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 58592    | 42.21    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 84.42% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 124963   | 22.14    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 88.56% |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 122646   | 23.98    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 95.92% |

| Target Compounds       |      |    |        |             | Ovalue |
|------------------------|------|----|--------|-------------|--------|
| 13) Acetone            | 4.12 | 43 | 22612  | 14.614 ug/L | 98     |
| 16) Methylene chloride | 4.91 | 84 | 11487m | 2.063 ug/L  |        |

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

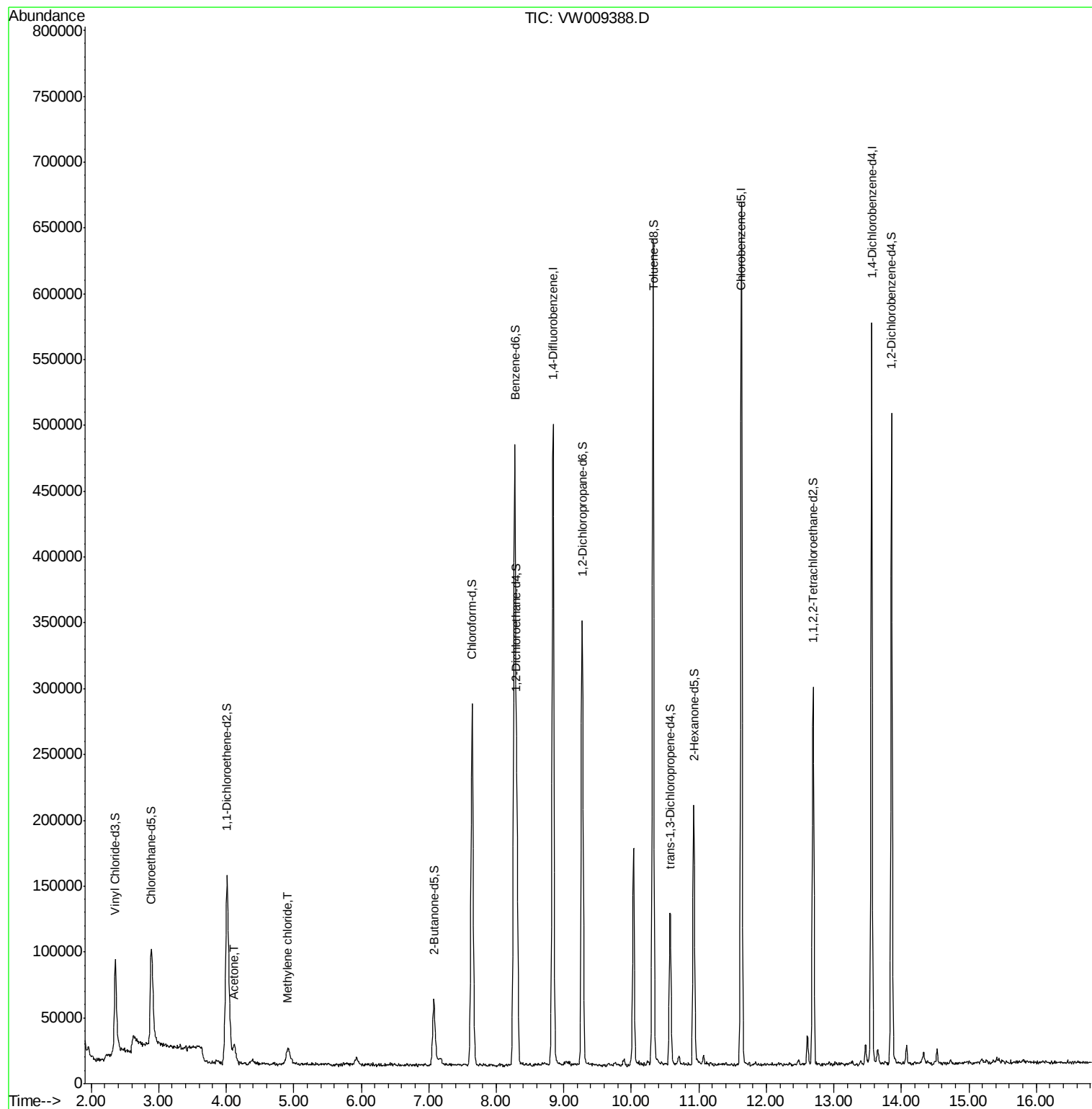
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW032319\  
Data File : VW009388.D  
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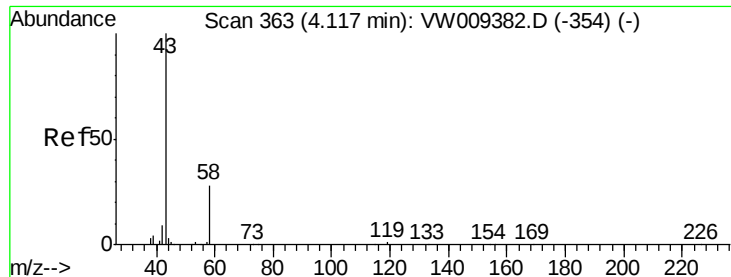
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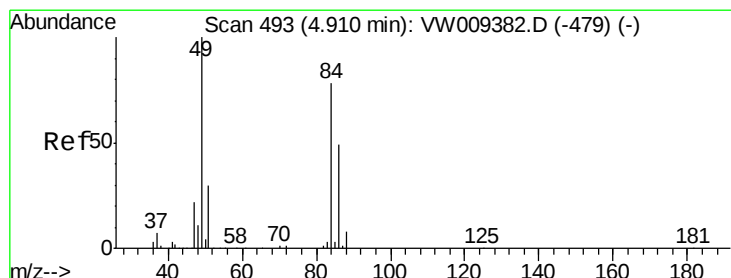
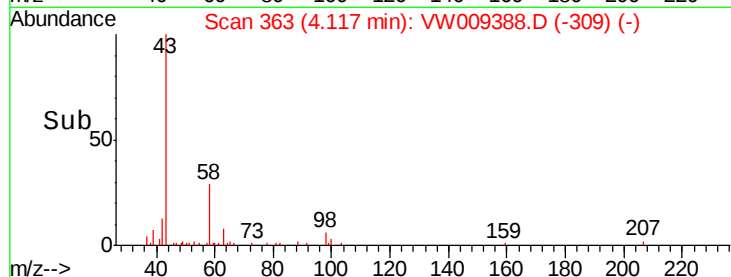
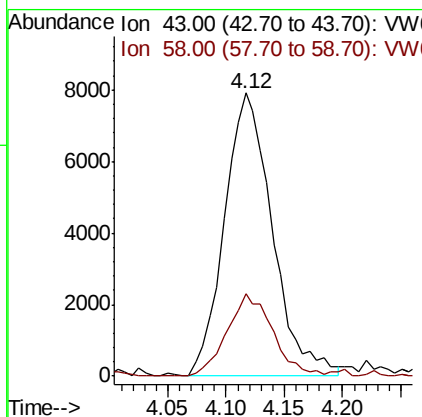
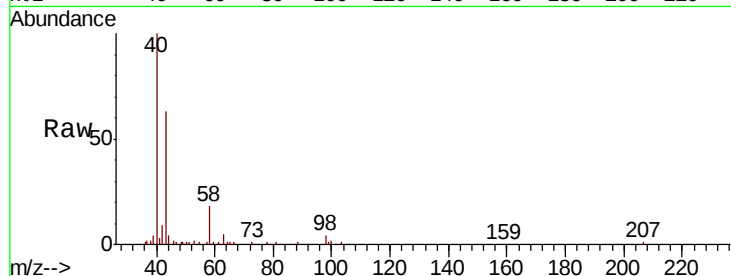
#13  
Acetone  
Concen: 14.614 ug/L  
RT: 4.12 min Scan# 363  
Delta R.T. -0.00 min  
Lab File: VW009388.D  
Acq: 23 Mar 2019 14:12

Instrument :  
MSVOA\_W  
ClientSampleId :  
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| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 27.2  | 0.0   | 56.2  |

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#16  
Methylene chloride  
Concen: 2.063 ug/L m  
RT: 4.91 min Scan# 493  
Delta R.T. -0.00 min  
Lab File: VW009388.D  
Acq: 23 Mar 2019 14:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 123.7 | 96.0  | 178.2 |
| 86      | 61.9  | 44.4  | 82.5  |

