

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121619\  
 Data File : VW014375.D  
 Acq On : 16 Dec 2019 18:00  
 Operator : SY/VA  
 Sample : K6277-11  
 Misc : 5.82G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 C0C71

Manual Integrations  
 APPROVED

MMDadoda  
 12/18/2019 12:59:30 PM

Quant Time: Dec 17 08:11:37 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM120519S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Dec 17 07:27:11 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 879475   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 612883   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 123669   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 291933   | 21.92    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 87.68%   |
| 7) Chloroethane-d5             | 2.89   | 69    | 248788   | 25.12    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 100.48%  |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 383306   | 16.29    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 65.16%   |
| 20) 2-Butanone-d5              | 7.07   | 46    | 142231   | 40.98    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 81.96%   |
| 24) Chloroform-d               | 7.64   | 84    | 607074   | 27.11    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 108.44%  |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 310557m  | 26.45    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 105.80%  |
| 29) Benzene-d6                 | 8.27   | 84    | 1204535  | 33.53    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 134.12%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 403774   | 36.54    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 146.16%# |
| 37) Toluene-d8                 | 10.32  | 98    | 902243   | 27.78    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 111.12%  |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 95128    | 20.52    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 82.08%   |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 105158   | 47.86    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 95.72%   |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 267851   | 29.74    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 118.96%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 154267   | 32.64    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 130.56%# |

| Target Compounds       |      |    |       |            | Ovalue |
|------------------------|------|----|-------|------------|--------|
| 13) Acetone            | 4.12 | 43 | 11377 | 3.400 ug/L | 95     |
| 16) Methylene chloride | 4.92 | 84 | 28909 | 2.144 ug/L | 94     |

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

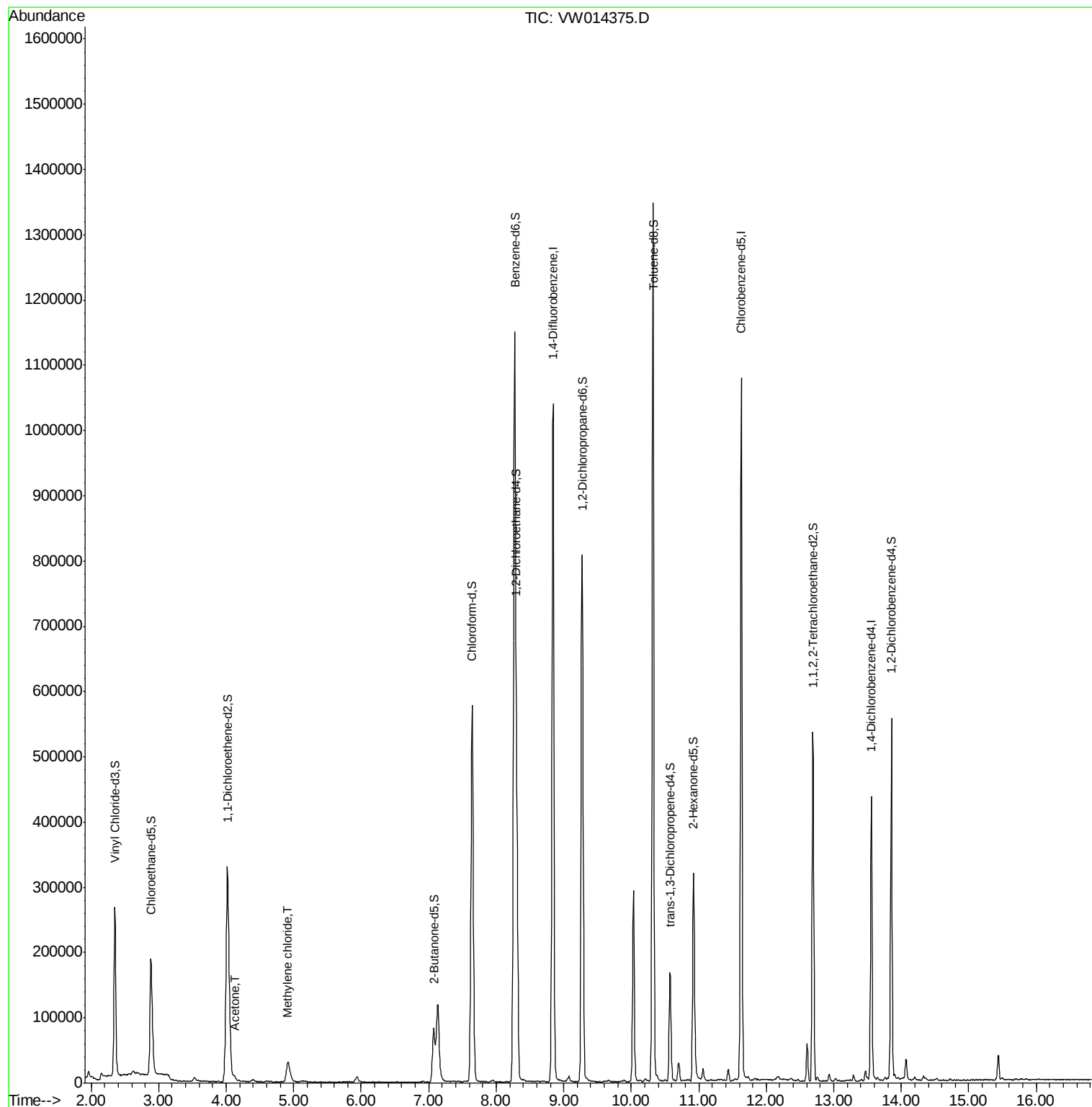
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW121619\  
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ALS Vial : 1 Sample Multiplier: 1

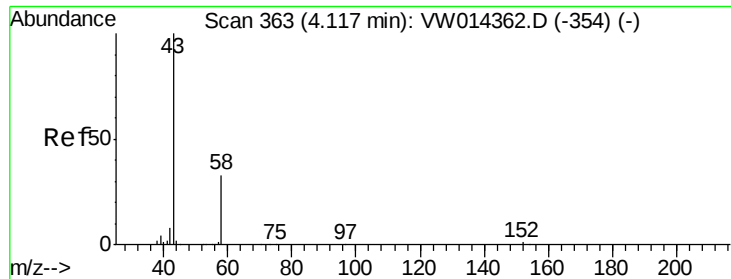
Instrument :  
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ClientSampleId :  
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Quant Title : VOC Analysis  
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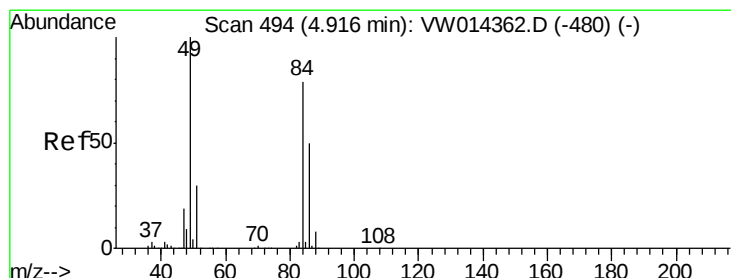
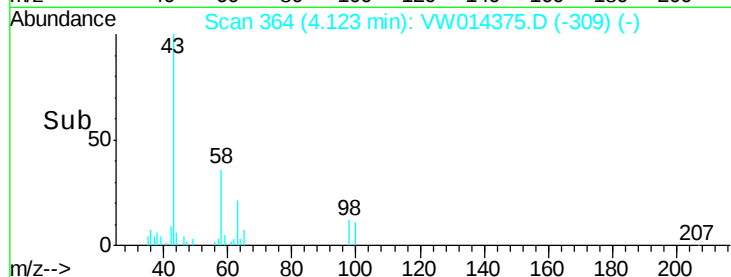
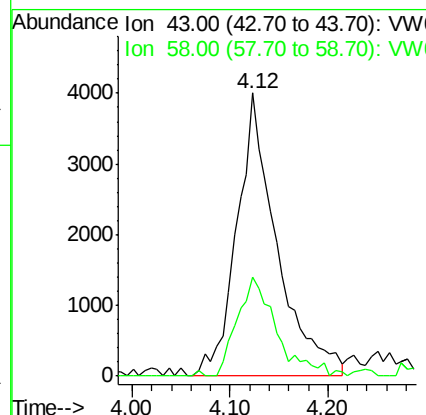
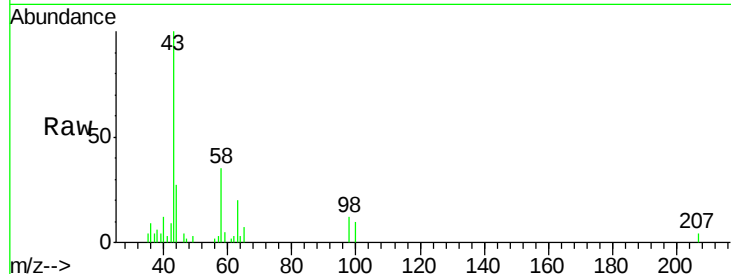
#13  
Acetone  
Concen: 3.400 ug/L  
RT: 4.12 min Scan# 364  
Delta R.T. 0.01 min  
Lab File: VW014375.D  
Acq: 16 Dec 2019 18:00

Instrument :  
MSVOA\_W  
ClientSampled :  
C0C71

Tot Ion: 43 Resp: 11377  
Ion Ratio Lower Upper  
43 100  
58 30.1 0.0 65.4

Manual Integrations  
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#16  
Methylene chloride  
Concen: 2.144 ug/L  
RT: 4.92 min Scan# 494  
Delta R.T. -0.00 min  
Lab File: VW014375.D  
Acq: 16 Dec 2019 18:00

Tgt Ion: 84 Resp: 28909  
Ion Ratio Lower Upper  
84 100  
49 115.4 84.2 156.4  
86 56.0 43.7 81.1

