

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV100919\  
 Data File : VV013068.D  
 Acq On : 09 Oct 2019 11:58  
 Operator : SY/MD  
 Sample : K5262-02RE  
 Misc : 5.02G/10ML/MSVOA\_V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BFB69RE

Manual Integrations  
 APPROVED

MMDadoda  
 10/17/2019 5:32:50 AM

Quant Time: Oct 10 08:06:31 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM092319S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Oct 10 07:47:18 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 661132   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 416630   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 72476    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 199289   | 19.43    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 77.72%   |
| 7) Chloroethane-d5             | 1.59   | 69    | 196814   | 23.73    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 94.92%   |
| 10) 1,1-Dichloroethene-d2      | 2.13   | 63    | 262894   | 15.41    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 61.64%   |
| 20) 2-Butanone-d5              | 3.95   | 46    | 134577   | 38.00    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 76.00%   |
| 24) Chloroform-d               | 4.40   | 84    | 426111   | 23.46    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 93.84%   |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 228227   | 21.62    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 86.48%   |
| 29) Benzene-d6                 | 5.10   | 84    | 832010   | 35.77    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 143.08%# |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 276384   | 37.91    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 151.64%# |
| 37) Toluene-d8                 | 7.36   | 98    | 572134   | 27.09    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 108.36%  |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 57064    | 18.48    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 73.92%   |
| 39) 2-Hexanone-d5              | 8.14   | 63    | 76268    | 51.98    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 103.96%  |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 187772   | 27.11    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 108.44%  |
| 61) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 88024    | 31.26    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 125.04%# |

| Target Compounds      |      |     |       |            | Qvalue |
|-----------------------|------|-----|-------|------------|--------|
| 13) Acetone           | 2.22 | 43  | 4411m | 1.172 ug/L |        |
| 47) Tetrachloroethene | 8.02 | 164 | 10406 | 1.982 ug/L | 98     |

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

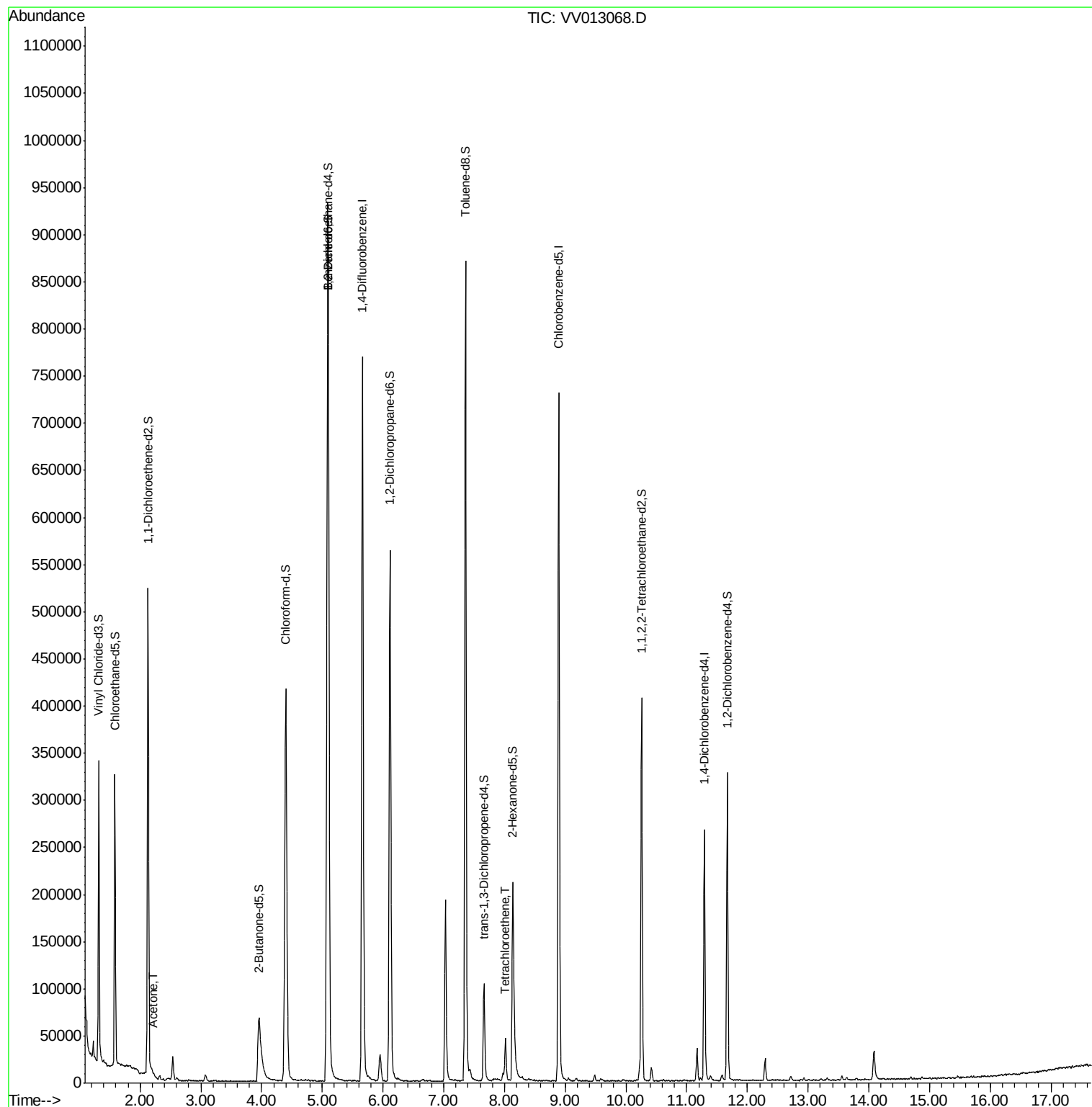
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_V\DATA\VV100919\  
Data File : VV013068.D  
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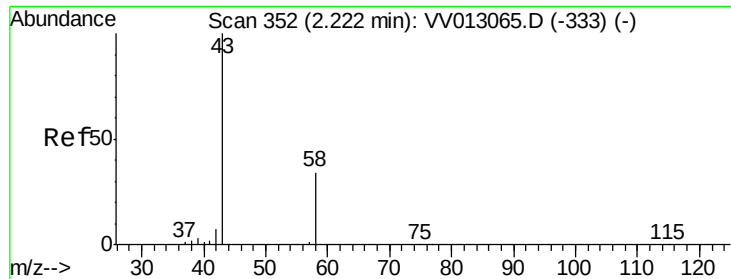
Instrument :  
MSVOA\_V  
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Quant Title : VOC Analysis  
QLast Update : Thu Oct 10 07:47:18 2019  
Response via : Initial Calibration





#13

Acetone

Concen: 1.172 ug/L m

RT: 2.22 min Scan# 351

Delta R.T. -0.00 min

Lab File: VV013068.D

Acq: 09 Oct 2019 11:58

Instrument :

MSVOA\_V

ClientSampleId :

BFB69RE

Tgt Ion: 43 Resp: 4411

Ion Ratio Lower Upper

43 100

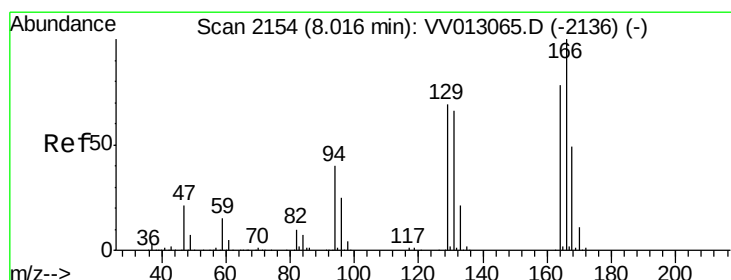
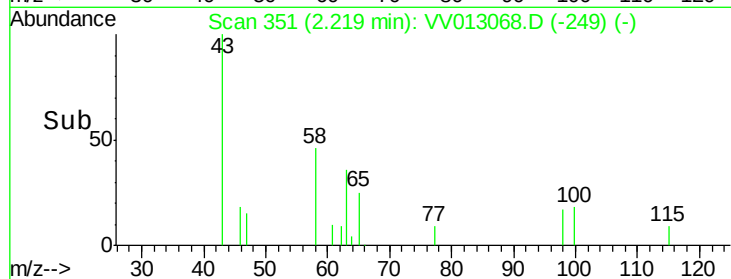
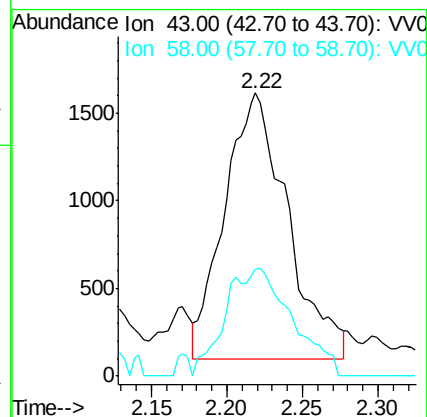
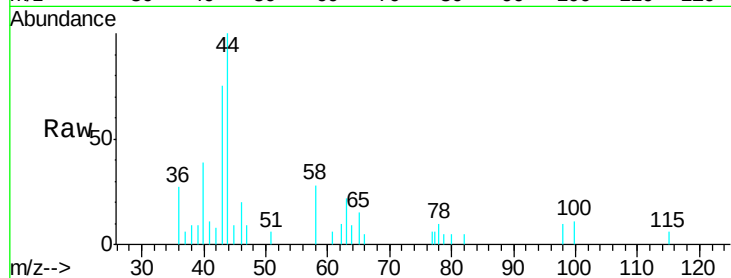
58 13.1 0.0 65.0

Manual Integrations

APPROVED

MMDadoda

10/17/2019 5:32:50 AM



#47

Tetrachloroethene

Concen: 1.982 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV013068.D

Acq: 09 Oct 2019 11:58

Tgt Ion: 164 Resp: 10406

Ion Ratio Lower Upper

164 100

129 88.9 62.8 116.6

131 82.5 60.2 111.8

166 129.9 89.4 166.0

