

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV041119\  
 Data File : VV010253.D  
 Acq On : 11 Apr 2019 19:15  
 Operator : SY/MD  
 Sample : K2255-15  
 Misc : 5.74G/10mL/MSVOA\_V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BFC54

Quant Time: Apr 12 04:40:38 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM041019S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Apr 12 01:24:48 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 294636   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 282866   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 124262   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 55013    | 16.22    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 64.88% |
| 7) Chloroethane-d5             | 1.58   | 69    | 58274    | 19.99    | ug/L | 0.01   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 79.96% |
| 10) 1,1-Dichloroethene-d2      | 2.13   | 63    | 114512   | 13.26    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 53.04% |
| 20) 2-Butanone-d5              | 3.94   | 46    | 35404    | 41.25    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 82.50% |
| 24) Chloroform-d               | 4.40   | 84    | 140932   | 20.95    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 83.80% |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 80801    | 21.08    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 84.32% |
| 29) Benzene-d6                 | 5.10   | 84    | 291179   | 21.35    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 85.40% |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 92073    | 22.70    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 90.80% |
| 37) Toluene-d8                 | 7.36   | 98    | 272269   | 20.47    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 81.88% |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 30270    | 17.90    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 71.60% |
| 39) 2-Hexanone-d5              | 8.13   | 63    | 24794    | 35.39    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 70.78% |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 72130    | 19.81    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 79.24% |
| 61) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 101433   | 22.10    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 88.40% |

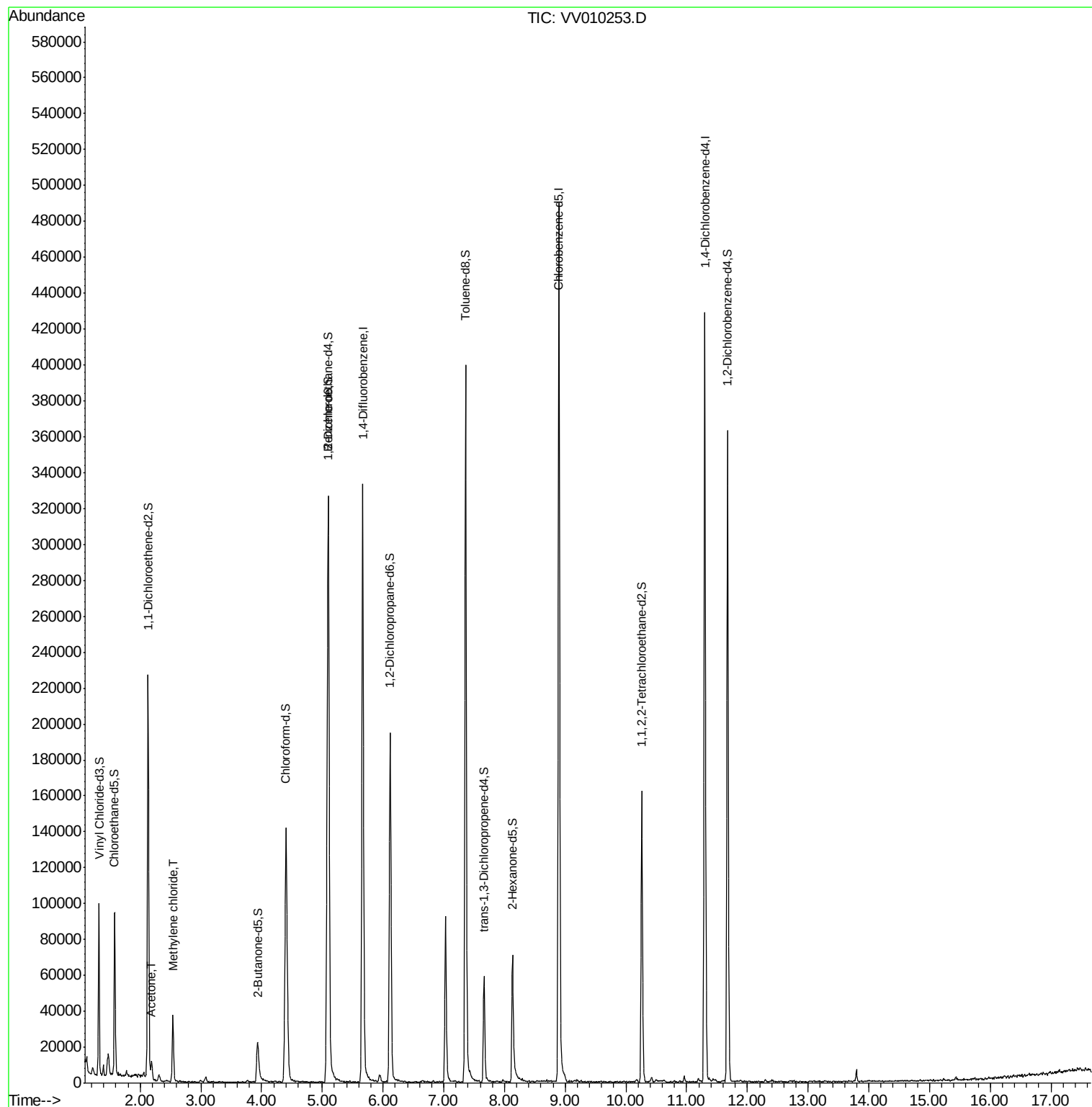
| Target Compounds       |      |    |       |            | Qvalue |
|------------------------|------|----|-------|------------|--------|
| 13) Acetone            | 2.19 | 43 | 7221  | 7.874 ug/L | 97     |
| 16) Methylene chloride | 2.54 | 84 | 15051 | 2.608 ug/L | 96     |

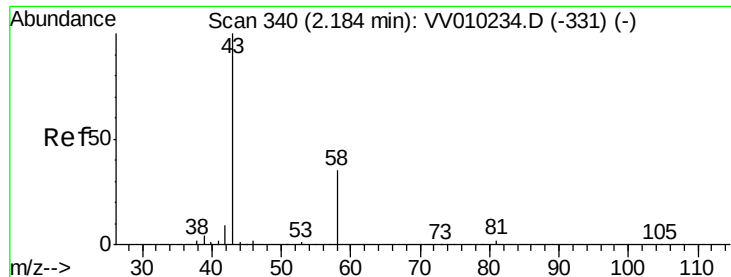
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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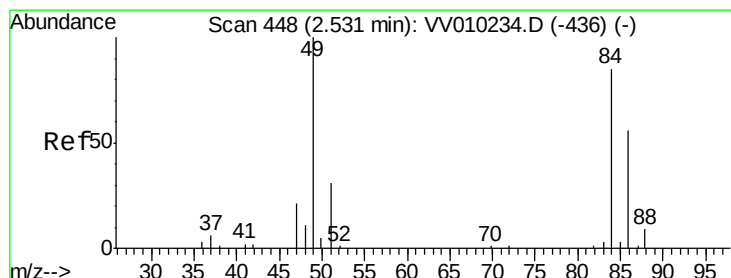
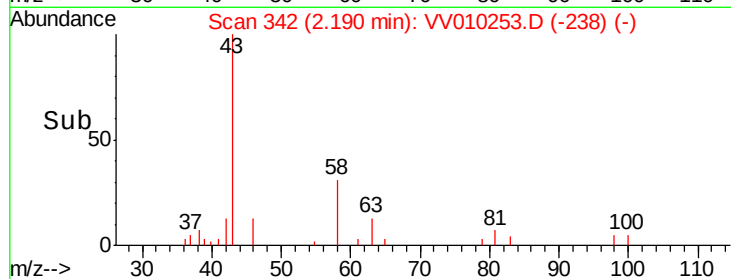
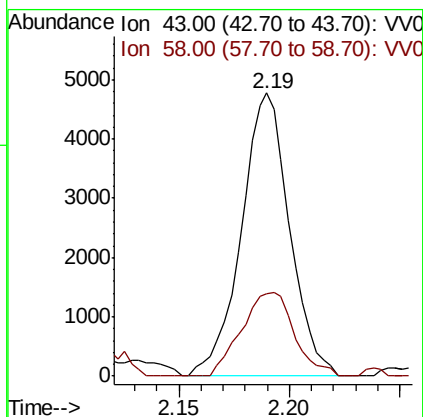
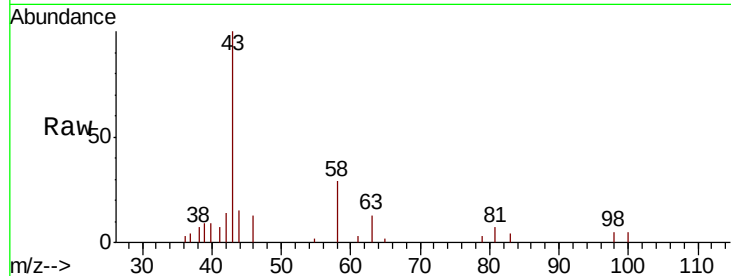




#13  
Acetone  
Concen: 7.874 ug/L  
RT: 2.19 min Scan# 342  
Delta R.T. 0.00 min  
Lab File: VV010253.D  
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MSVOA\_V  
ClientSampleId :  
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Tgt Ion: 43 Resp: 7221  
Ion Ratio Lower Upper  
43 100  
58 32.4 0.0 61.6



#16  
Methylene chloride  
Concen: 2.608 ug/L  
RT: 2.54 min Scan# 451  
Delta R.T. 0.00 min  
Lab File: VV010253.D  
Acq: 11 Apr 2019 19:15

Tgt Ion: 84 Resp: 15051  
Ion Ratio Lower Upper  
84 100  
49 120.4 79.9 148.5  
86 63.2 44.5 82.7

