

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041819\  
 Data File : VV010353.D  
 Acq On : 18 Apr 2019 17:25  
 Operator : SY/MD  
 Sample : K2470-08  
 Misc : 4.71G/10mL/MSVOA V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 A5137

Quant Time: Apr 19 07:34:41 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM041819S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Apr 19 06:08:59 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 243841   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 252301   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 124212   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 58740    | 18.97    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 75.88%   |
| 7) Chloroethane-d5             | 1.57   | 69    | 53592    | 20.61    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 82.44%   |
| 10) 1,1-Dichloroethene-d2      | 2.13   | 63    | 111651   | 14.95    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 59.80%   |
| 20) 2-Butanone-d5              | 3.93   | 46    | 67301    | 69.79    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 139.58%# |
| 24) Chloroform-d               | 4.40   | 84    | 140802   | 21.96    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 87.84%   |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 95107    | 25.13    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 100.52%  |
| 29) Benzene-d6                 | 5.10   | 84    | 265439   | 20.55    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 82.20%   |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 83388    | 22.06    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 88.24%   |
| 37) Toluene-d8                 | 7.36   | 98    | 251484   | 20.26    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 81.04%   |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 38766    | 20.85    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 83.40%   |
| 39) 2-Hexanone-d5              | 8.13   | 63    | 56277    | 66.87    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 133.74%  |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 106947   | 28.29    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 113.16%  |
| 61) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 117801   | 24.12    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 96.48%   |

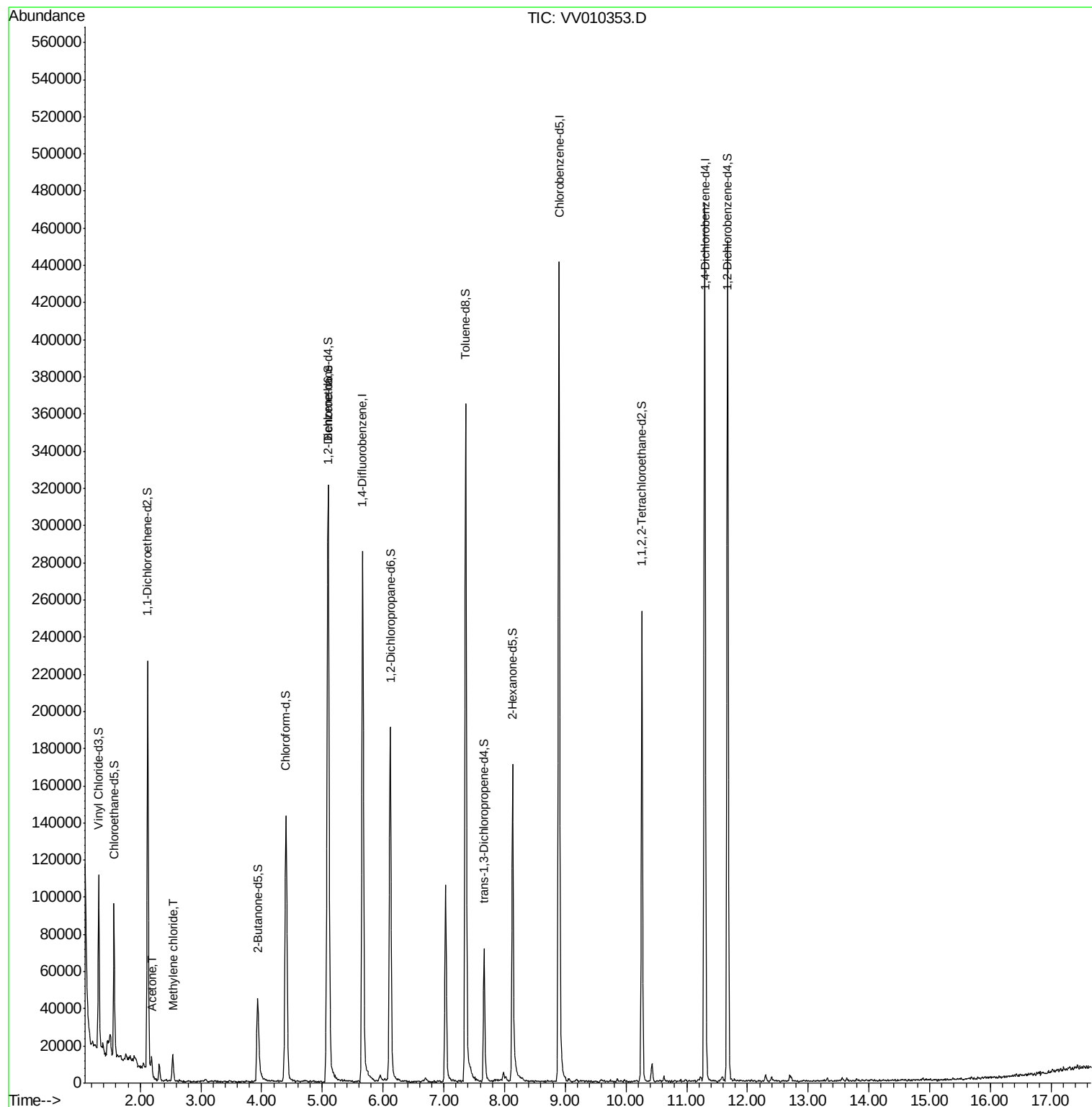
| Target Compounds       |      |    |      |            | Ovalue |
|------------------------|------|----|------|------------|--------|
| 13) Acetone            | 2.19 | 43 | 5883 | 5.781 ug/L | 96     |
| 16) Methylene chloride | 2.54 | 84 | 6210 | 1.594 ug/L | 95     |

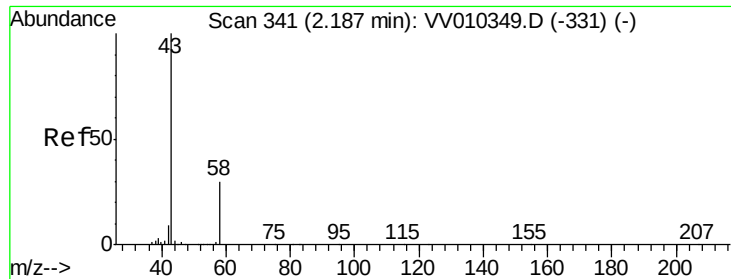
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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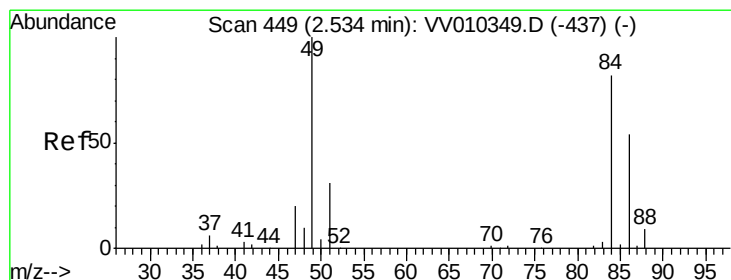
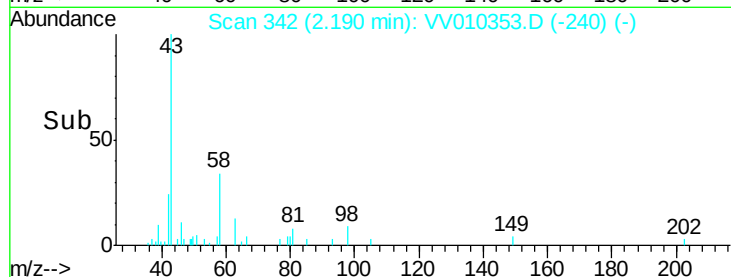
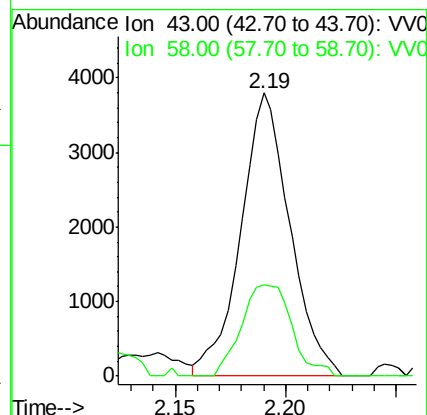
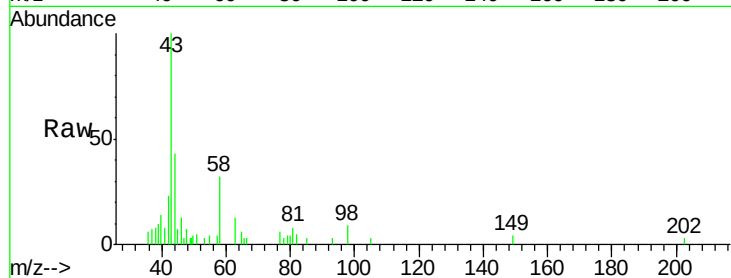




#13  
Acetone  
Concen: 5.781 ug/L  
RT: 2.19 min Scan# 342  
Delta R.T. -0.00 min  
Lab File: VV010353.D  
Acq: 18 Apr 2019 17:25

Instrument :  
MSVOA\_V  
ClientSampled :  
A5137

Tot Ion: 43 Resp: 5883  
Ion Ratio Lower Upper  
43 100  
58 32.2 0.0 60.0



#16  
Methylene chloride  
Concen: 1.594 ug/L  
RT: 2.54 min Scan# 450  
Delta R.T. 0.00 min  
Lab File: VV010353.D  
Acq: 18 Apr 2019 17:25

Tgt Ion: 84 Resp: 6210  
Ion Ratio Lower Upper  
84 100  
49 114.2 83.8 155.6  
86 69.5 46.1 85.5

