

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052219\  
 Data File : VV011020.D  
 Acq On : 22 May 2019 16:07  
 Operator : SY/MD  
 Sample : K3006-06  
 Misc : 4.45G/10ML/MSVOA V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BFHC1

Quant Time: May 23 09:01:16 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM052019S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu May 23 08:00:26 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 115191   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 114767   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 46410    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 21208    | 16.15    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 64.60% |
| 7) Chloroethane-d5             | 1.57   | 69    | 16903    | 19.01    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 76.04% |
| 10) 1,1-Dichloroethene-d2      | 2.12   | 63    | 31807    | 12.60    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 50.40% |
| 20) 2-Butanone-d5              | 3.94   | 46    | 22562    | 49.79    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 99.58% |
| 24) Chloroform-d               | 4.40   | 84    | 56012    | 18.77    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 75.08% |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 37332    | 21.23    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 84.92% |
| 29) Benzene-d6                 | 5.09   | 84    | 126225   | 20.15    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 80.60% |
| 33) 1,2-Dichloropropane-d6     | 6.11   | 67    | 43258    | 21.73    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 86.92% |
| 37) Toluene-d8                 | 7.36   | 98    | 104389   | 17.92    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 71.68% |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 14846    | 18.16    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 72.64% |
| 39) 2-Hexanone-d5              | 8.13   | 63    | 16553    | 44.58    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 89.16% |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 42413    | 21.34    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 85.36% |
| 61) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 40544    | 21.52    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 86.08% |

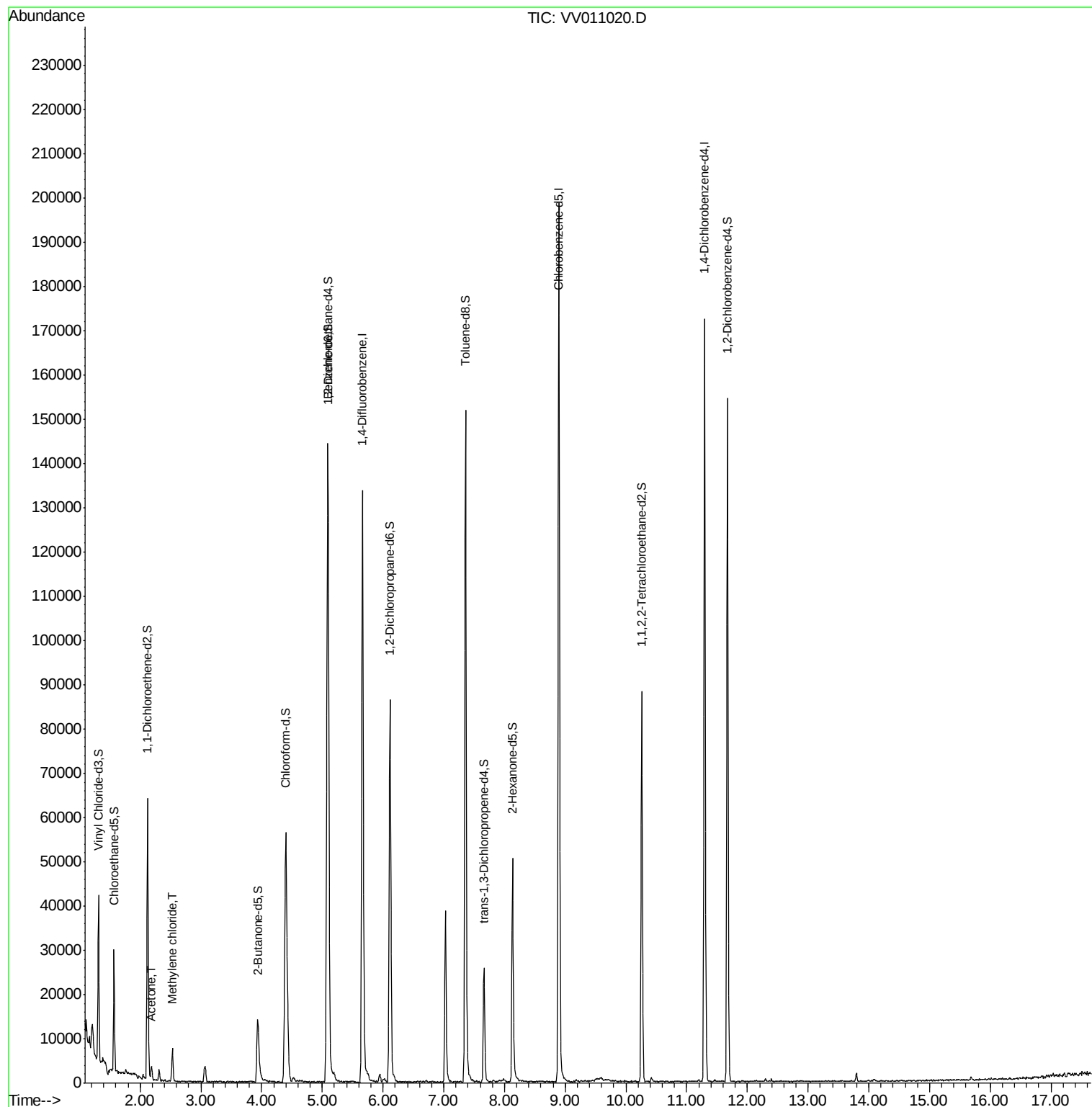
| Target Compounds       |      |    |      |            | Ovalue |
|------------------------|------|----|------|------------|--------|
| 13) Acetone            | 2.19 | 43 | 1971 | 4.511 ug/L | 87     |
| 16) Methylene chloride | 2.53 | 84 | 2890 | 1.462 ug/L | 87     |

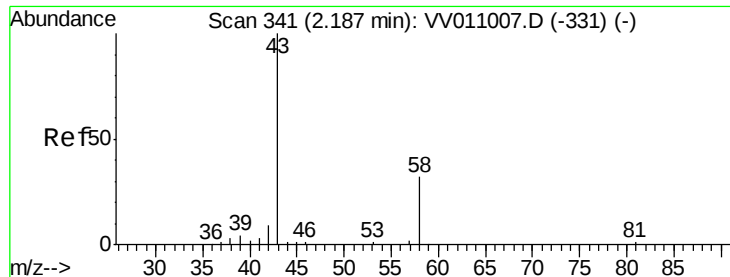
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Thu May 23 08:00:26 2019  
Response via : Initial Calibration





#13

Acetone

Concen: 4.511 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV011020.D

Acq: 22 May 2019 16:07

Instrument :

MSVOA\_V

ClientSampled :

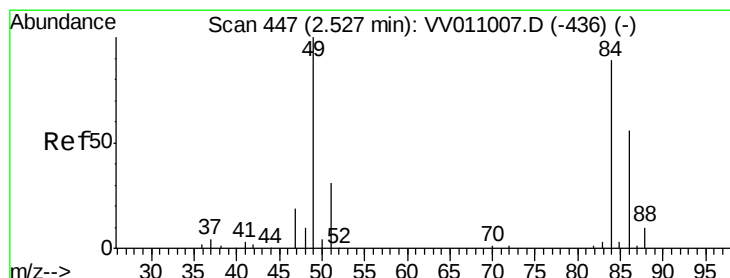
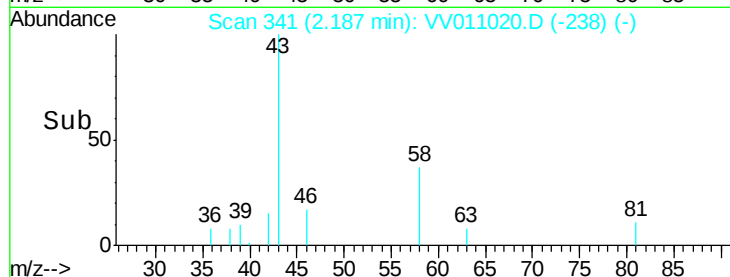
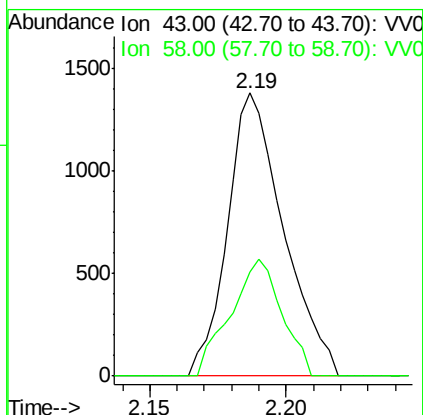
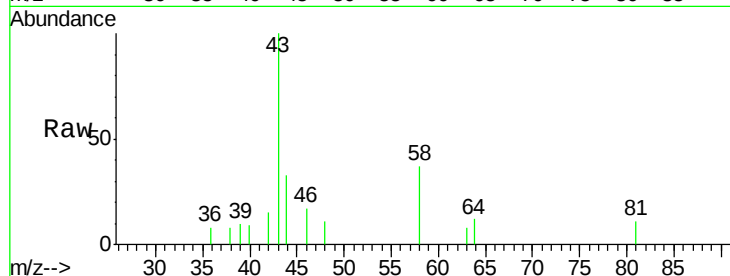
BFHC1

Tot Ion: 43 Resp: 1971

Ion Ratio Lower Upper

43 100

58 37.7 0.0 60.8



#16

Methylene chloride

Concen: 1.462 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.01 min

Lab File: VV011020.D

Acq: 22 May 2019 16:07

Tgt Ion: 84 Resp: 2890

Ion Ratio Lower Upper

84 100

49 122.7 77.4 143.8

86 75.5 44.0 81.6

