

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV041119\  
 Data File : VV010247.D  
 Acq On : 11 Apr 2019 16:39  
 Operator : SY/MD  
 Sample : K2255-17  
 Misc : 5.36G/10mL/MSVOA\_V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BFC56

Quant Time: Apr 12 03:59:54 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     | 5.66  | 114  | 282553   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 254760   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 100458   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 52660    | 16.19    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 64.76% |
| 7) Chloroethane-d5             | 1.57   | 69    | 52787    | 18.88    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 75.52% |
| 10) 1,1-Dichloroethene-d2      | 2.13   | 63    | 108057   | 13.05    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 52.20% |
| 20) 2-Butanone-d5              | 3.93   | 46    | 39816    | 48.37    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 96.74% |
| 24) Chloroform-d               | 4.40   | 84    | 129336   | 20.04    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 80.16% |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 79164    | 21.54    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 86.16% |
| 29) Benzene-d6                 | 5.10   | 84    | 271311   | 22.09    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 88.36% |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 83843    | 22.95    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 91.80% |
| 37) Toluene-d8                 | 7.36   | 98    | 249107   | 20.79    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 83.16% |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 28098    | 18.44    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 73.76% |
| 39) 2-Hexanone-d5              | 8.13   | 63    | 27426    | 43.46    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 86.92% |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 69550    | 21.21    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 84.84% |
| 61) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 78027    | 21.03    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 84.12% |

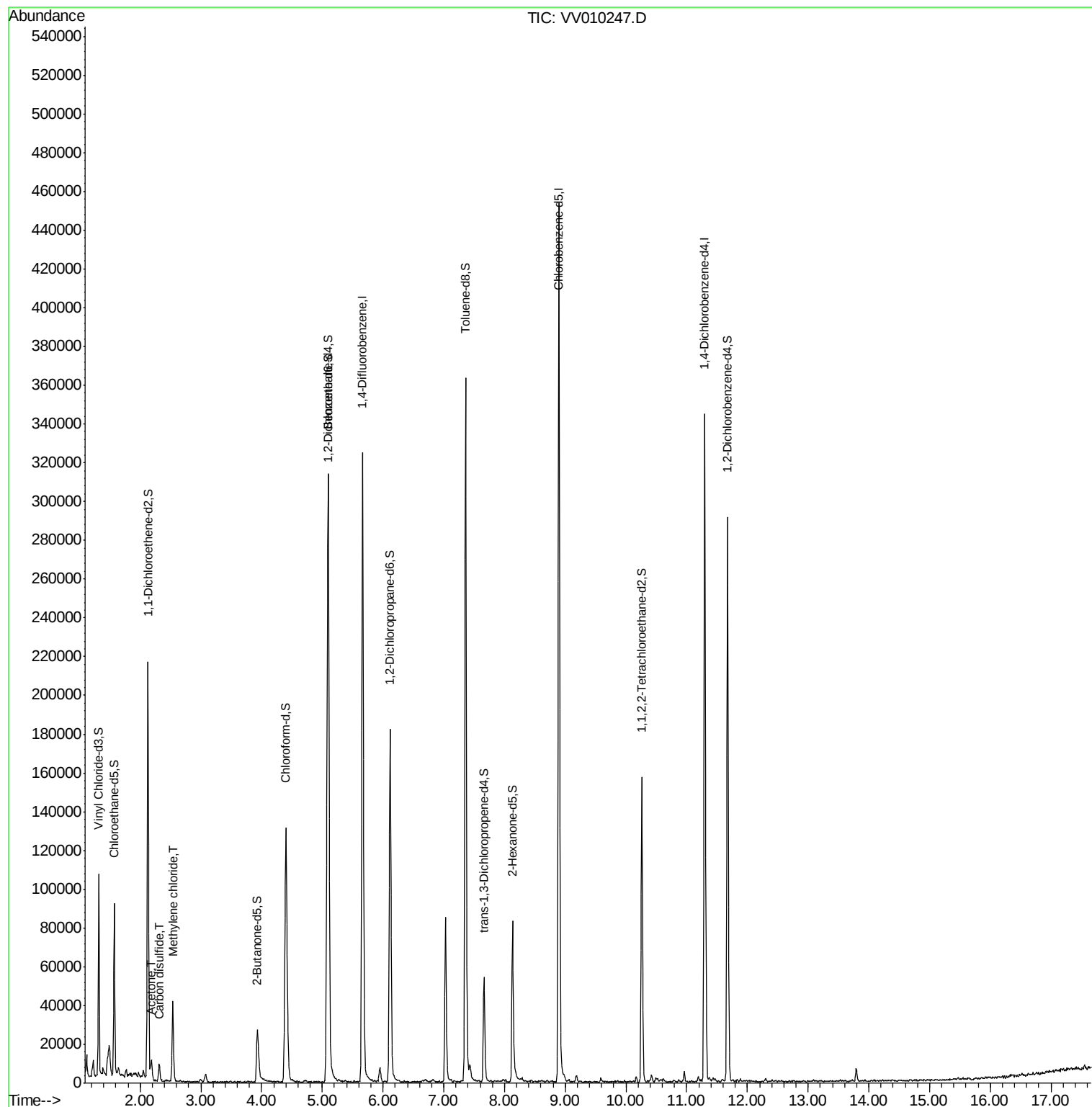
| Target Compounds       |      |    |       |            | Qvalue |
|------------------------|------|----|-------|------------|--------|
| 13) Acetone            | 2.19 | 43 | 6809  | 7.742 ug/L | 87     |
| 14) Carbon disulfide   | 2.32 | 76 | 5545  | 0.616 ug/L | 99     |
| 16) Methylene chloride | 2.54 | 84 | 16386 | 2.961 ug/L | 95     |

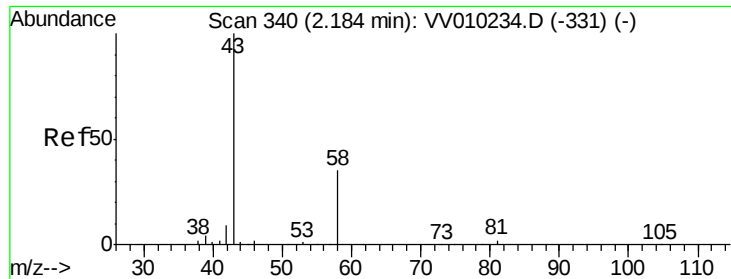
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 7.742 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV010247.D

Acq: 11 Apr 2019 16:39

Instrument :

MSVOA\_V

ClientSampleId :

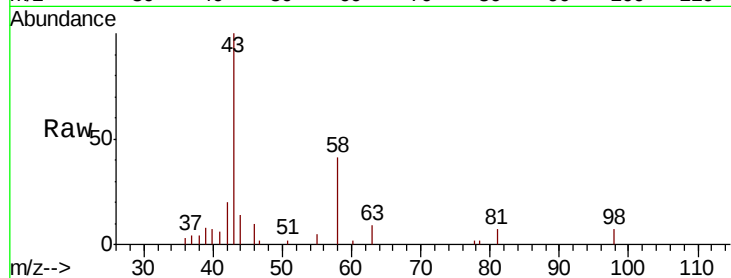
BFC56

Tgt Ion: 43 Resp: 6809

Ion Ratio Lower Upper

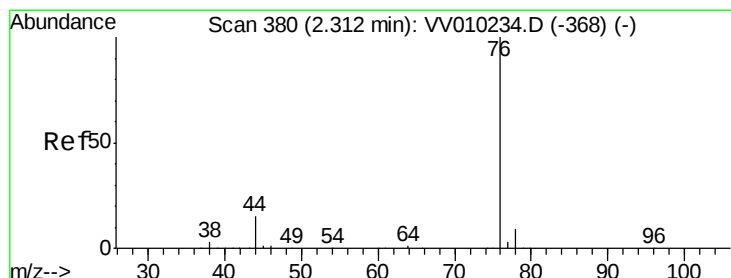
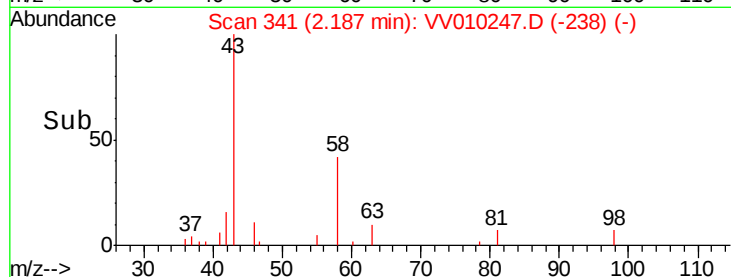
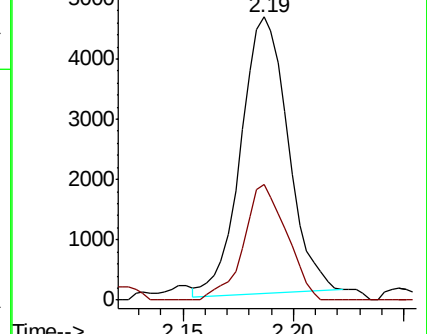
43 100

58 38.2 0.0 61.6



Abundance Ion 43.00 (42.70 to 43.70): VV010234.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV010234.D (-331) (-)



#14

Carbon disulfide

Concen: 0.616 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV010247.D

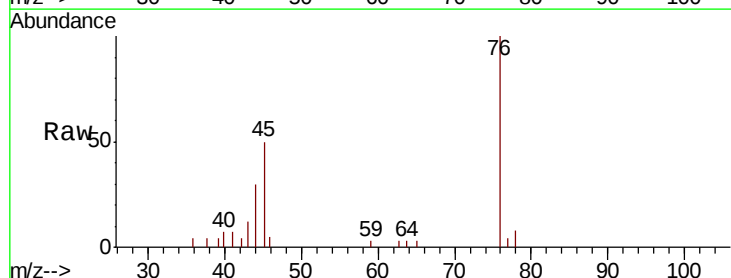
Acq: 11 Apr 2019 16:39

Tgt Ion: 76 Resp: 5545

Ion Ratio Lower Upper

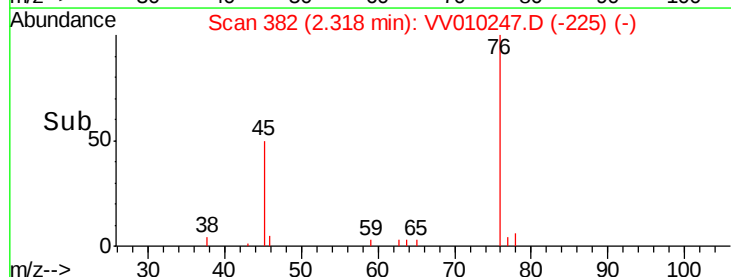
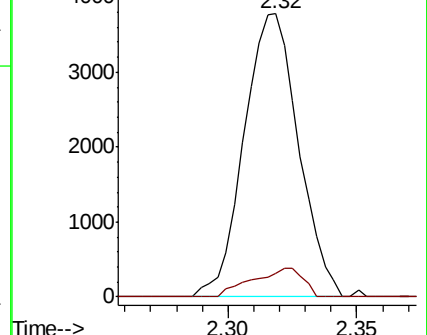
76 100

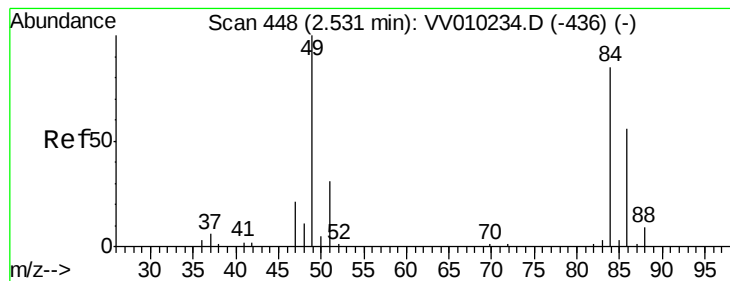
78 8.4 7.0 10.4



Abundance Ion 76.00 (75.70 to 76.70): VV010234.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV010234.D (-368) (-)





#16  
Methylene chloride  
Concen: 2.961 ug/L  
RT: 2.54 min Scan# 450  
Delta R.T. 0.00 min  
Lab File: VV010247.D  
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Instrument :  
MSVOA\_V  
ClientSampleId :  
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Tgt Ion: 84 Resp: 16386  
Ion Ratio Lower Upper  
84 100  
49 117.1 79.9 148.5  
86 70.5 44.5 82.7

