

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV090618\  
 Data File : VV007446.D  
 Acq On : 07 Sep 2018 03:02  
 Operator : SY/MD  
 Sample : J4751-04DL 500X  
 Misc : 5.0 mL/MSVOA V/WATER  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Sep 07 04:04:29 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM090418WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Sep 07 03:09:50 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 525608   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 514640   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 185208   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 160596   | 42.78    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 85.56%  |
| 7) Chloroethane-d5             | 1.56    | 69    | 117546   | 47.80    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 95.60%  |
| 11) 1,1-Dichloroethene-d2      | 2.13    | 63    | 206504   | 31.22    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 62.44%  |
| 21) 2-Butanone-d5              | 3.96    | 46    | 174294   | 57.07    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 57.07%  |
| 24) Chloroform-d               | 4.41    | 84    | 324365   | 41.77    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 83.54%  |
| 26) 1,2-Dichloroethane-d4      | 5.09    | 65    | 212363   | 45.33    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 90.66%  |
| 32) Benzene-d6                 | 5.10    | 84    | 646922   | 41.71    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 83.42%  |
| 36) 1,2-Dichloropropane-d6     | 6.12    | 67    | 222246   | 42.76    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 85.52%  |
| 41) Toluene-d8                 | 7.36    | 98    | 506896   | 37.96    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 75.92%# |
| 43) trans-1,3-Dichloropropene- | 7.67    | 79    | 82657    | 37.33    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 74.66%  |
| 47) 2-Hexanone-d5              | 8.14    | 63    | 138418   | 67.93    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 67.93%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27   | 84    | 301058   | 42.40    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 84.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.68   | 152   | 185997   | 46.73    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 93.46%  |

## Target Compounds

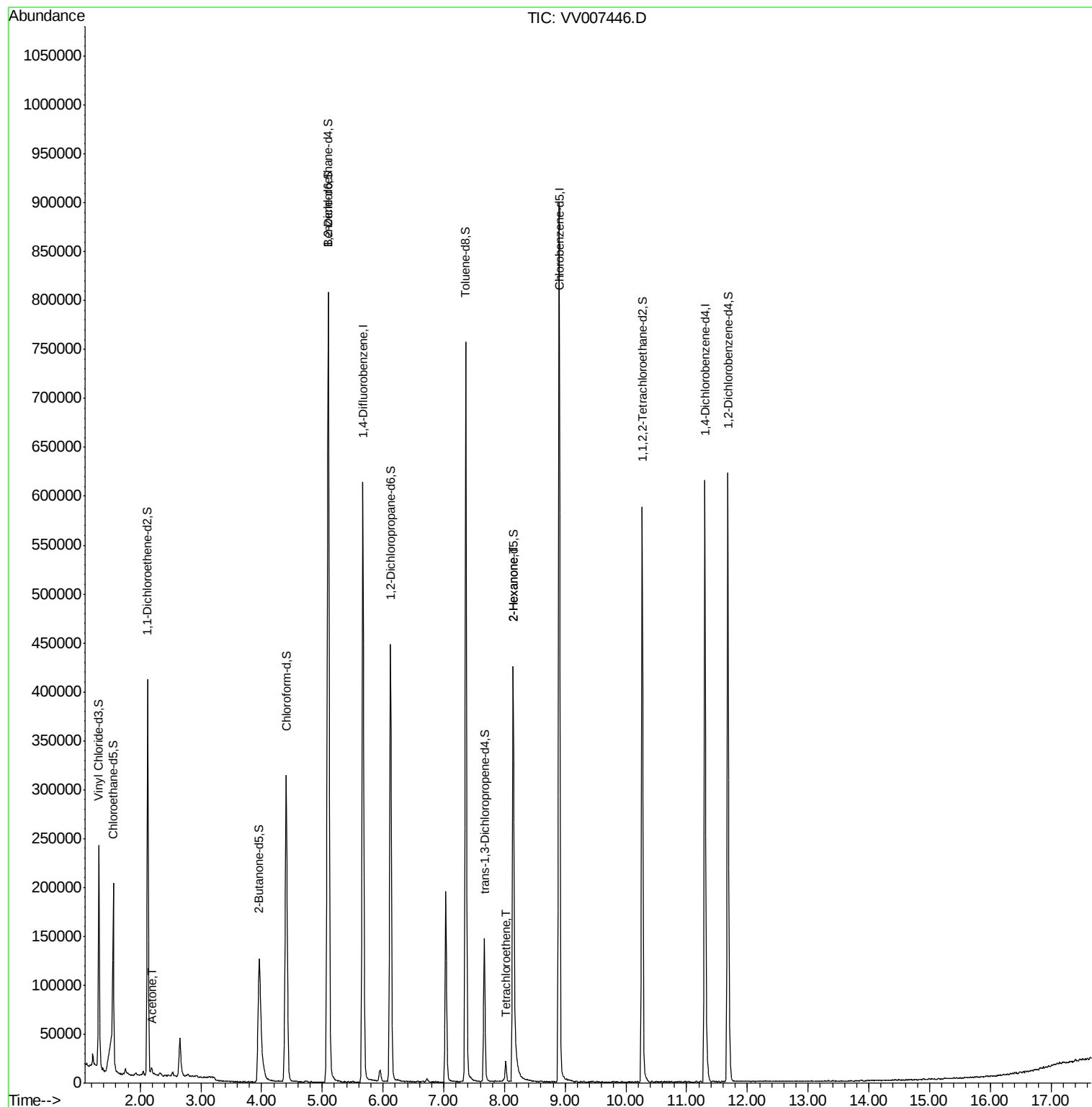
|                       |      |     |       |              | Ovalue |
|-----------------------|------|-----|-------|--------------|--------|
| 13) Acetone           | 2.19 | 43  | 3499  | 1.924 ug/L   | 93     |
| 46) Tetrachloroethene | 8.02 | 164 | 4870  | 1.507 ug/L   | 95     |
| 48) 2-Hexanone        | 8.14 | 43  | 18174 | 4.459 ug/L # | 68     |

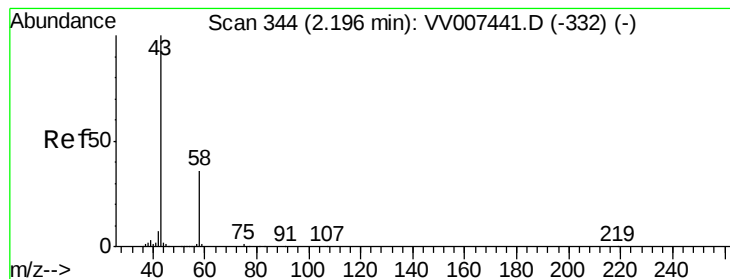
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Fri Sep 07 03:09:50 2018  
Response via : Initial Calibration





#13

Acetone

Concen: 1.924 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.00 min

Lab File: VV007446.D

Acq: 07 Sep 2018 03:02

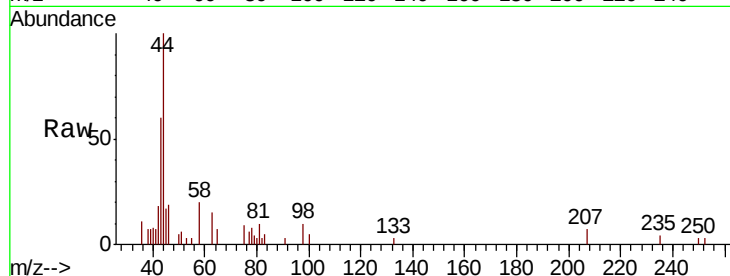
Instrument :  
MSVOA\_V  
ClientSampleId :

Tot Ion: 43 Resp: 3499

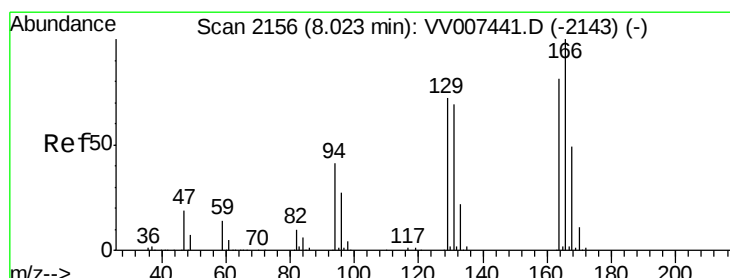
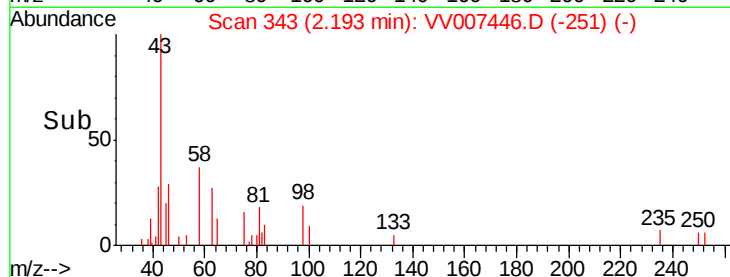
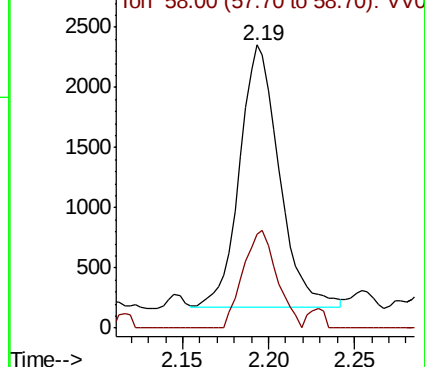
Ion Ratio Lower Upper

43 100

58 31.6 0.0 71.2



Abundance Ion 43.00 (42.70 to 43.70): VV007441.D (-332) (-)



#46

Tetrachloroethene

Concen: 1.507 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. 0.00 min

Lab File: VV007446.D

Acq: 07 Sep 2018 03:02

Tgt Ion: 164 Resp: 4870

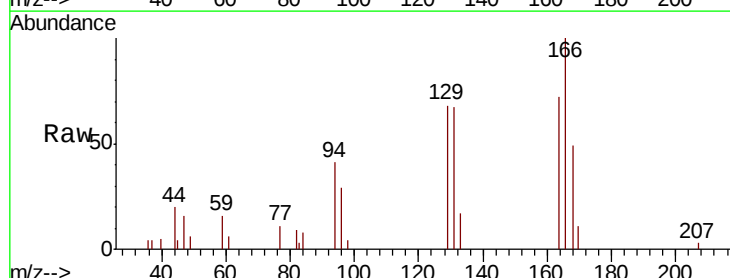
Ion Ratio Lower Upper

164 100

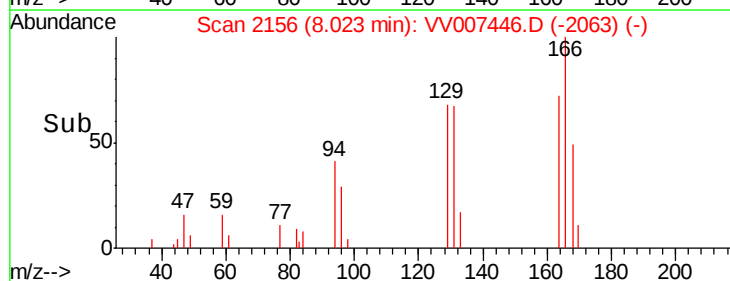
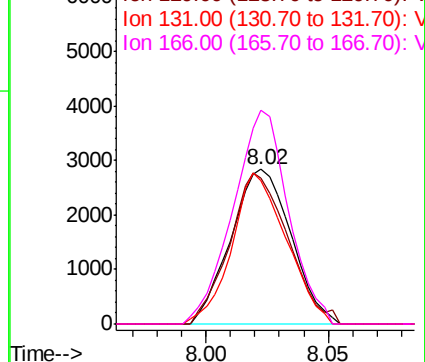
129 94.2 63.9 118.7

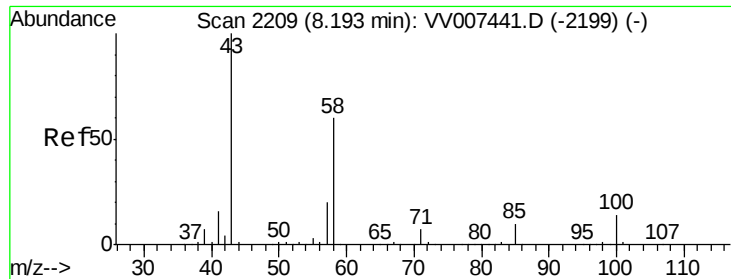
131 93.0 62.6 116.2

166 138.2 91.6 170.2



Abundance Ion 164.00 (163.70 to 164.70): VV007441.D (-2143) (-)





#48

2-Hexanone

Concen: 4.459 ug/L

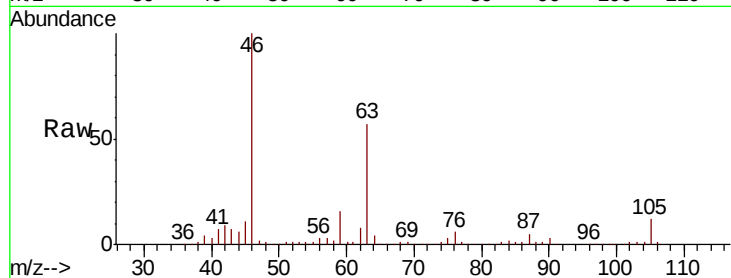
RT: 8.14 min Scan# 2193

Delta R.T. -0.05 min

Lab File: VV007446.D

Acq: 07 Sep 2018 03:02

Instrument :  
MSVOA\_V  
ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 18174 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 39.8  | 48.6  | 72.8# |
| 57       | 43.0  | 16.2  | 24.2# |
| 100      | 2.2   | 11.1  | 16.7# |

