

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041019\  
 Data File : VW009900.D  
 Acq On : 11 Apr 2019 00:44  
 Operator : SY/VA  
 Sample : K2254-11RE  
 Misc : 4.79G/10ML/MSVOA W/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BFC31RE

Quant Time: Apr 11 06:14:39 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM040319S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Apr 11 03:44:42 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 455057   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 378484   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 118431   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 120244   | 20.19    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 80.76%   |
| 7) Chloroethane-d5             | 2.89   | 69    | 118165   | 21.66    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 86.64%   |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 226989   | 17.72    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 70.88%   |
| 20) 2-Butanone-d5              | 7.08   | 46    | 143109   | 74.02    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 148.04%# |
| 24) Chloroform-d               | 7.64   | 84    | 352878   | 28.42    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 113.68%  |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 226670   | 29.73    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 118.92%  |
| 29) Benzene-d6                 | 8.27   | 84    | 612880   | 30.85    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 123.40%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 205246   | 33.45    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 133.80%# |
| 37) Toluene-d8                 | 10.32  | 98    | 485369   | 26.42    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 105.68%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 74388    | 25.42    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 101.68%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 94260    | 81.49    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 162.98%# |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 172777   | 30.28    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 121.12%# |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 115887   | 27.89    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 111.56%  |

## Target Compounds

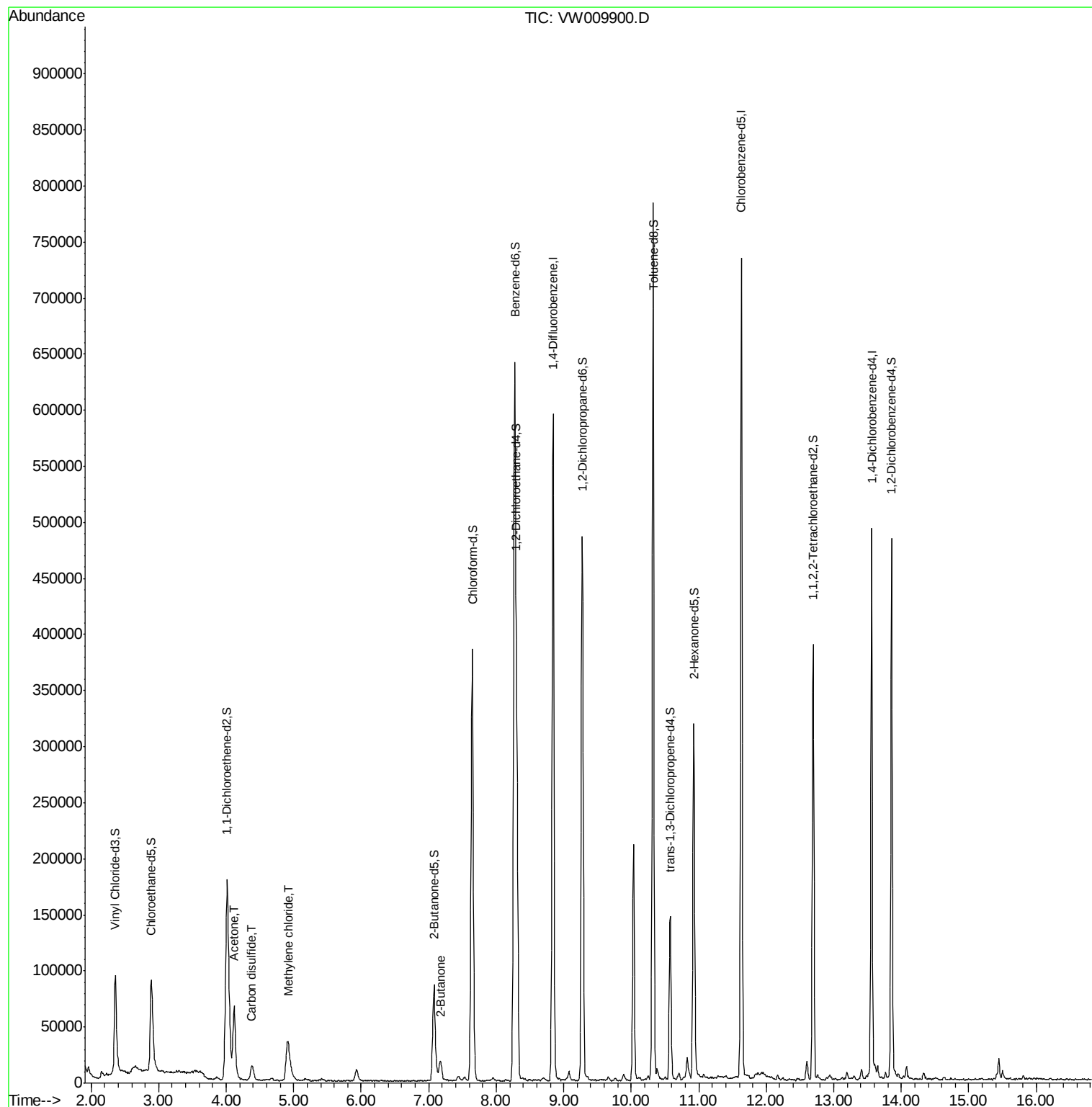
|                        |      |    |        |        | Ovalue   |
|------------------------|------|----|--------|--------|----------|
| 13) Acetone            | 4.12 | 43 | 108412 | 52.333 | ug/L 100 |
| 14) Carbon disulfide   | 4.38 | 76 | 22715  | 1.209  | ug/L 96  |
| 16) Methylene chloride | 4.92 | 84 | 32697  | 4.074  | ug/L 94  |
| 21) 2-Butanone         | 7.18 | 43 | 25243  | 9.581  | ug/L 97  |

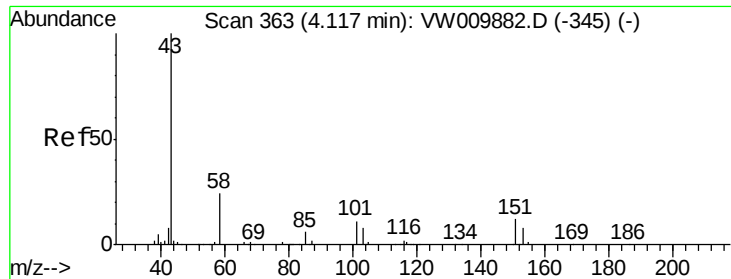
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 52.333 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW009900.D

Acq: 11 Apr 2019 00:44

Instrument :

MSVOA\_W

ClientSampleId :

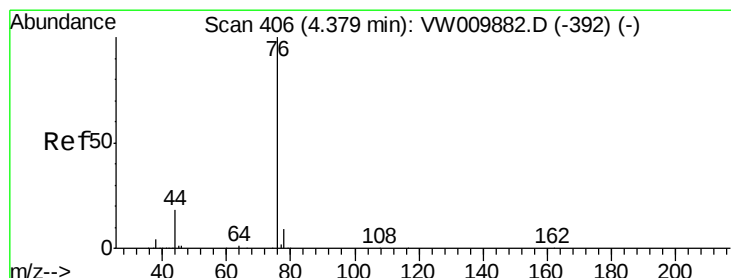
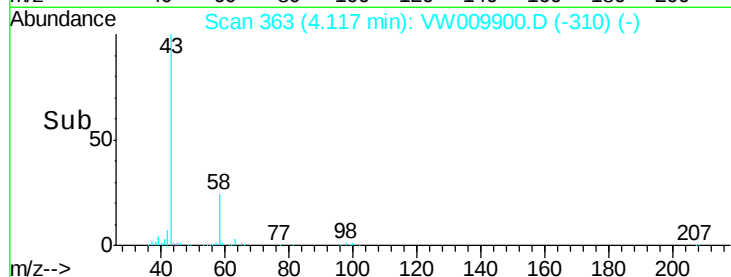
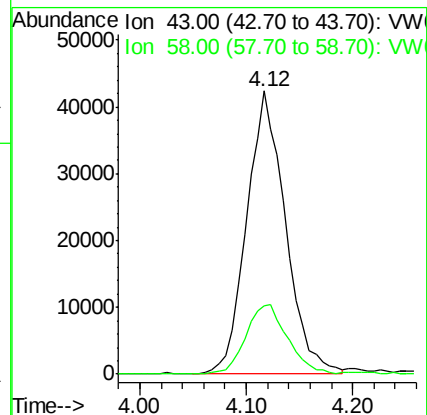
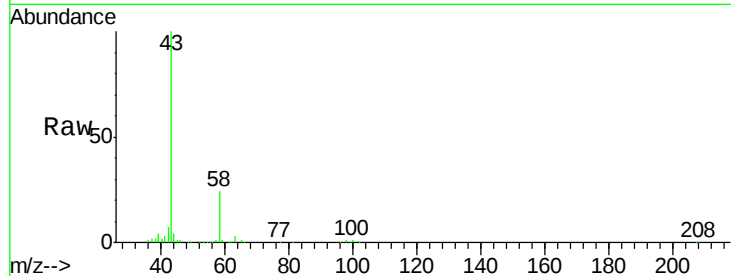
BFC31RE

Tot Ion: 43 Resp: 108412

Ion Ratio Lower Upper

43 100

58 26.4 0.0 53.0



#14

Carbon disulfide

Concen: 1.209 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW009900.D

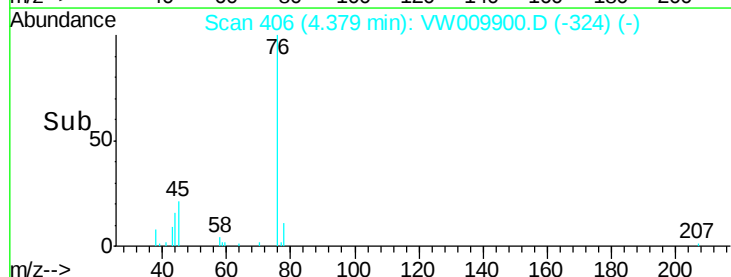
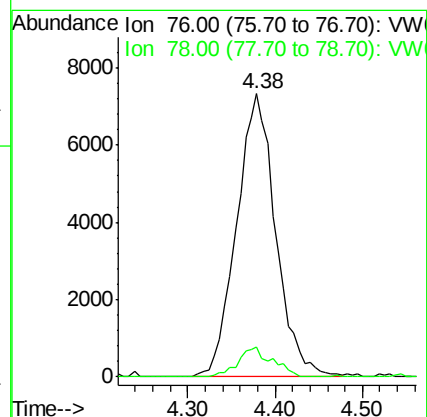
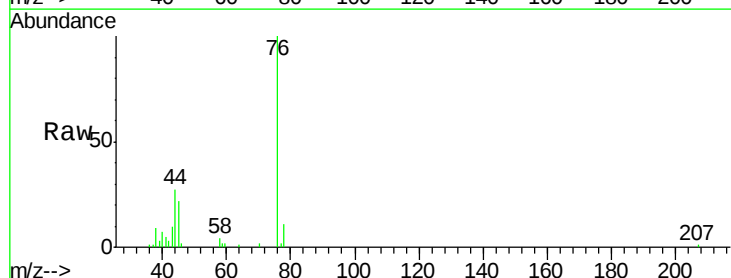
Acq: 11 Apr 2019 00:44

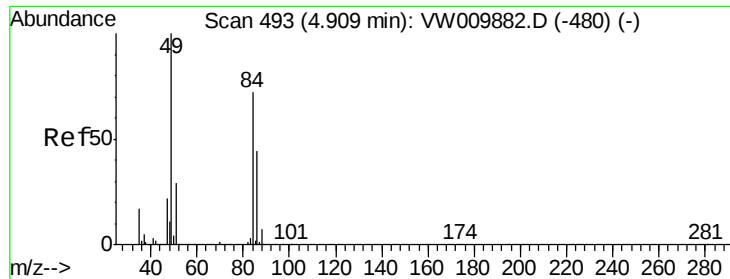
Tgt Ion: 76 Resp: 22715

Ion Ratio Lower Upper

76 100

78 10.7 7.3 10.9

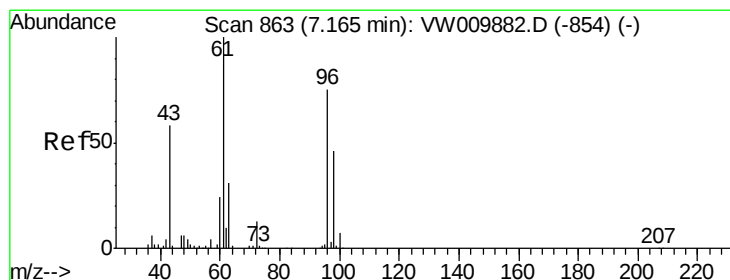
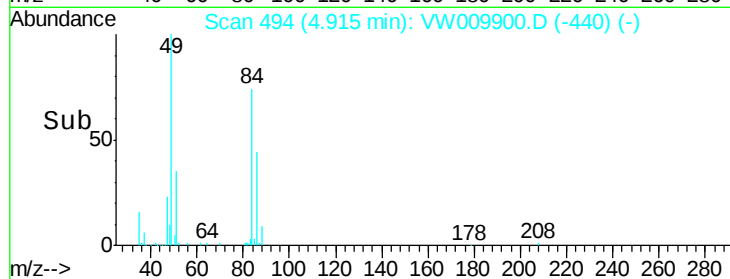
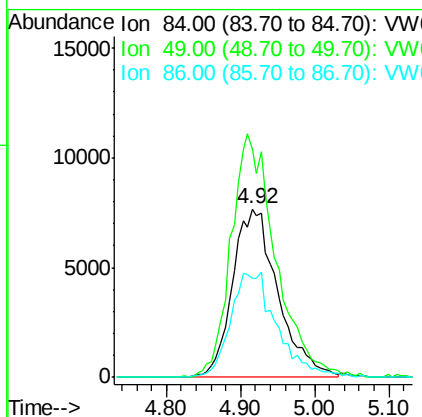
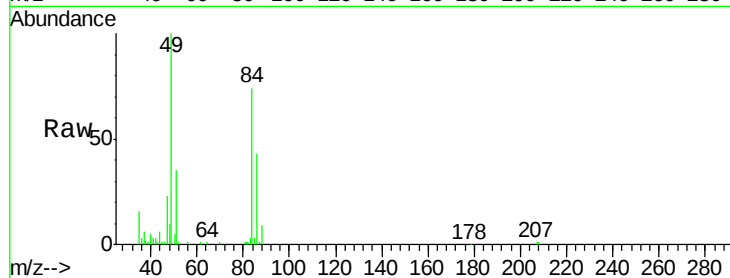




#16  
Methylene chloride  
Concen: 4.074 ug/L  
RT: 4.92 min Scan# 494  
Delta R.T. 0.00 min  
Lab File: VW009900.D  
Acq: 11 Apr 2019 00:44

Instrument :  
MSVOA\_W  
ClientSampleId :  
BFC31RE

Tot Ion: 84 Resp: 32697  
Ion Ratio Lower Upper  
84 100  
49 135.4 98.3 182.5  
86 58.6 46.4 86.2



#21  
2-Butanone  
Concen: 9.581 ug/L  
RT: 7.18 min Scan# 865  
Delta R.T. 0.01 min  
Lab File: VW009900.D  
Acq: 11 Apr 2019 00:44

Tgt Ion: 43 Resp: 25243  
Ion Ratio Lower Upper  
43 100  
72 25.5 12.0 36.1

