

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW040819\  
 Data File : VW009843.D  
 Acq On : 09 Apr 2019 18:12  
 Operator : SY/VA  
 Sample : K2218-07  
 Misc : 5.06G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BF5Z7

Quant Time: Apr 10 04:45:38 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM040319S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Apr 10 04:42:28 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 391587   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 362552   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 135448   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 117440   | 22.92    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 91.68%   |
| 7) Chloroethane-d5             | 2.89   | 69    | 109825   | 23.39    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 93.56%   |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 217259   | 19.71    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 78.84%   |
| 20) 2-Butanone-d5              | 7.08   | 46    | 128660   | 77.33    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 154.66%# |
| 24) Chloroform-d               | 7.65   | 84    | 303288   | 28.38    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 113.52%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 200752   | 30.60    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 122.40%  |
| 29) Benzene-d6                 | 8.27   | 84    | 539778   | 28.36    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 113.44%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 174925   | 29.76    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 119.04%  |
| 37) Toluene-d8                 | 10.32  | 98    | 453524   | 25.77    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 103.08%  |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 75919    | 27.08    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 108.32%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 81691    | 73.73    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 147.46%# |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 176747   | 32.34    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 129.36%# |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 137723   | 28.98    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 115.92%  |

## Target Compounds

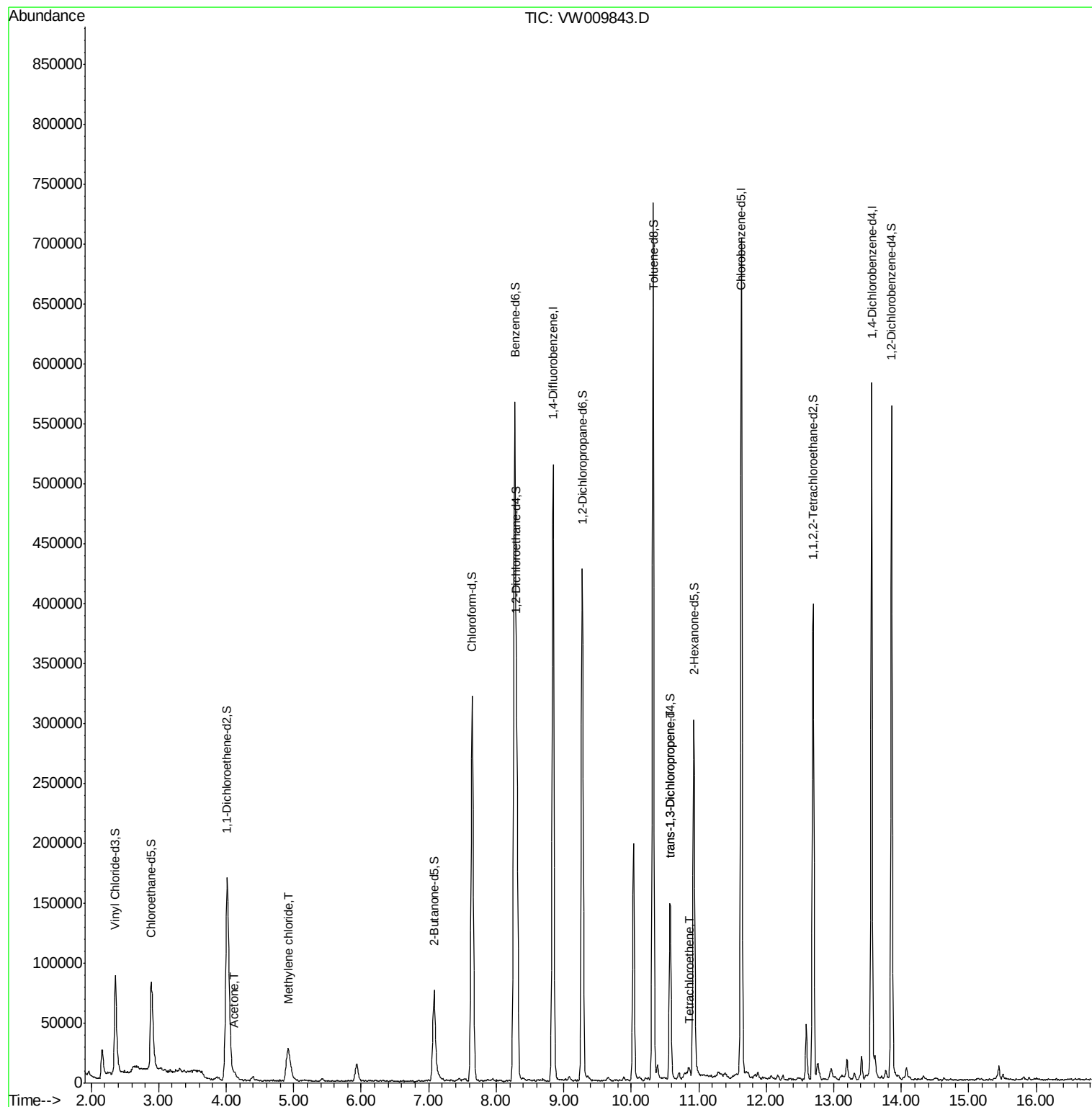
|                               |       |     |       |            | Qvalue |
|-------------------------------|-------|-----|-------|------------|--------|
| 13) Acetone                   | 4.12  | 43  | 2780  | 1.559 ug/L | 90     |
| 16) Methylene chloride        | 4.92  | 84  | 25687 | 3.719 ug/L | 95     |
| 45) trans-1,3-Dichloropropene | 10.58 | 75  | 4774  | 0.640 ug/L | 87     |
| 47) Tetrachloroethene         | 10.87 | 164 | 1213  | 0.270 ug/L | 74     |

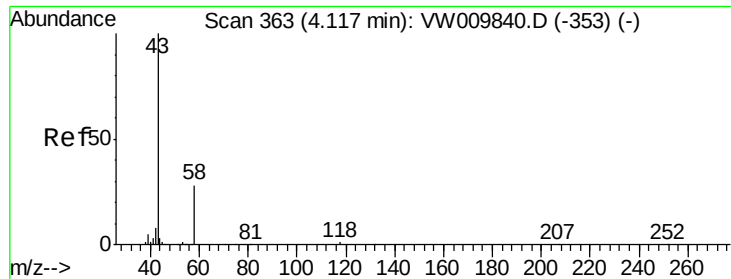
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_W\DATA\VW040819\  
Data File : VW009843.D  
Acq On : 09 Apr 2019 18:12  
Operator : SY/VA  
Sample : K2218-07  
Misc : 5.06G/10ML/MSVOA\_W/SOIL  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BF5Z7

Quant Time: Apr 10 04:45:38 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM040319S.M  
Quant Title : VOC Analysis  
QLast Update : Wed Apr 10 04:42:28 2019  
Response via : Initial Calibration





#13

Acetone

Concen: 1.559 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW009843.D

Acq: 09 Apr 2019 18:12

Instrument :

MSVOA\_W

ClientSampleId :

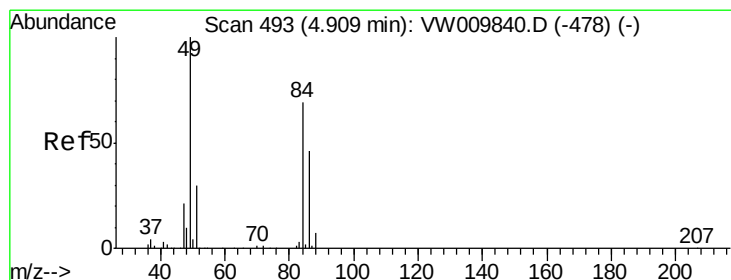
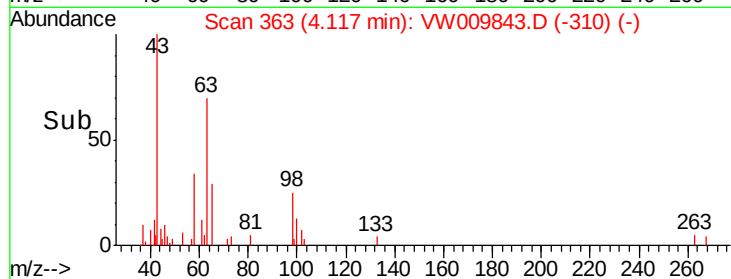
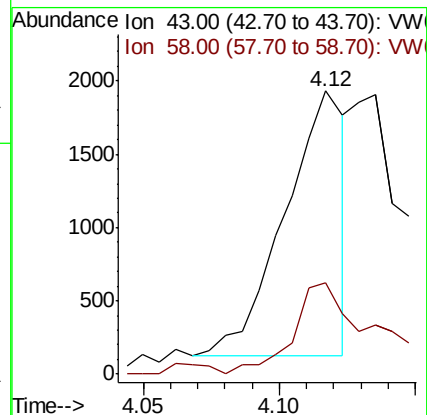
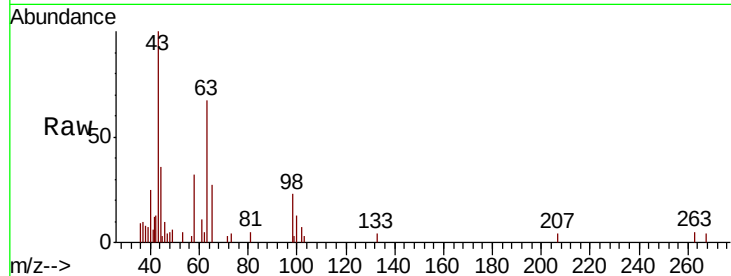
BF5Z7

Tgt Ion: 43 Resp: 2780

Ion Ratio Lower Upper

43 100

58 31.6 0.0 53.0



#16

Methylene chloride

Concen: 3.719 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW009843.D

Acq: 09 Apr 2019 18:12

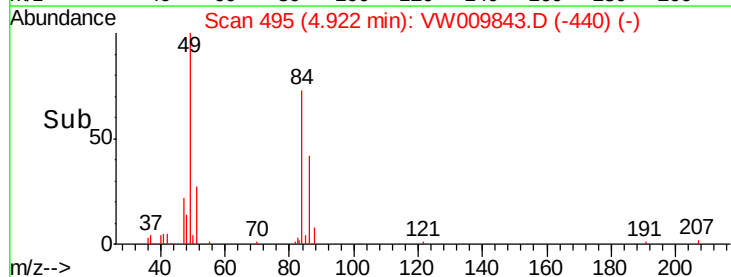
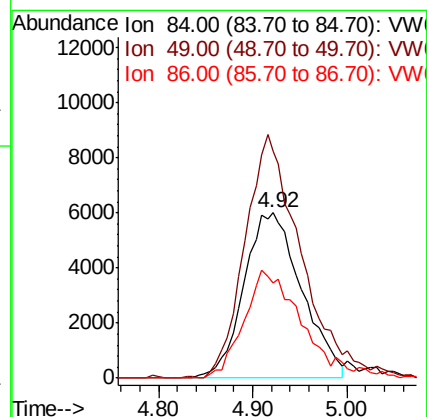
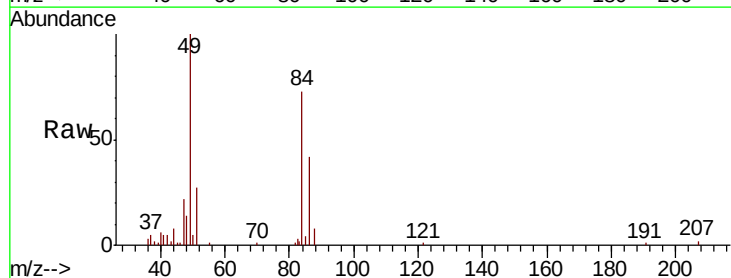
Tgt Ion: 84 Resp: 25687

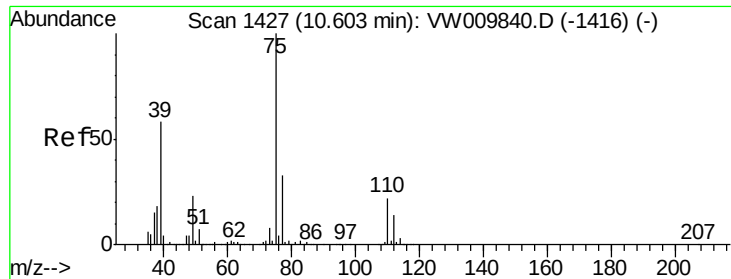
Ion Ratio Lower Upper

84 100

49 137.4 98.3 182.5

86 57.6 46.4 86.2





#45

trans-1,3-Dichloropropene

Concen: 0.640 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.02 min

Lab File: VW009843.D

Acq: 09 Apr 2019 18:12

Instrument :

MSVOA\_W

ClientSampled :

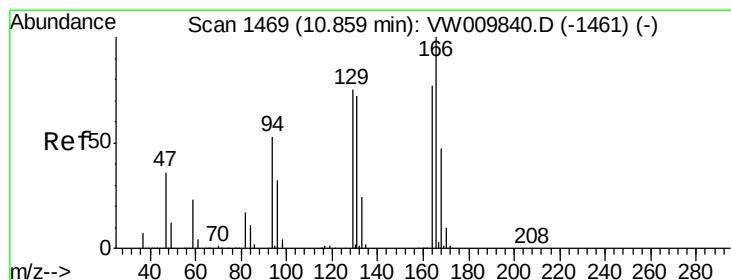
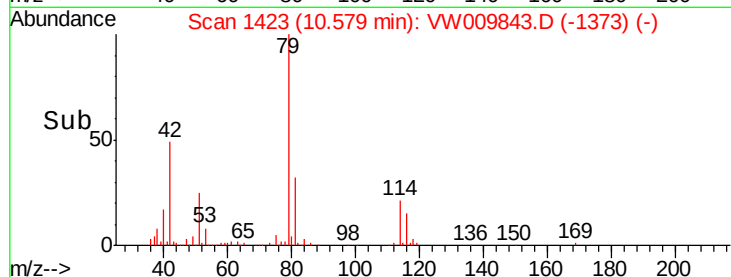
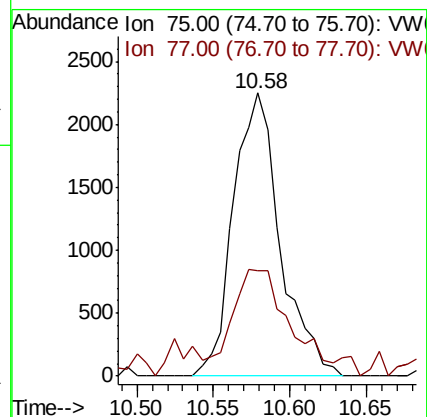
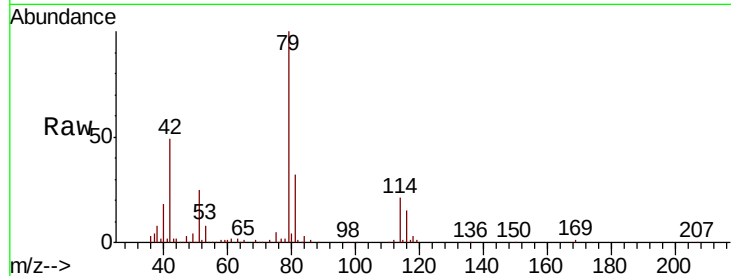
BF5Z7

Tgt Ion: 75 Resp: 4774

Ion Ratio Lower Upper

75 100

77 37.2 21.1 39.3



#47

Tetrachloroethene

Concen: 0.270 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VW009843.D

Acq: 09 Apr 2019 18:12

Tgt Ion: 164 Resp: 1213

Ion Ratio Lower Upper

164 100

129 82.3 68.9 127.9

131 64.3 63.1 117.1

166 90.5 88.5 164.4

