

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041119\  
 Data File : VW009924.D  
 Acq On : 11 Apr 2019 19:28  
 Operator : SY/VA  
 Sample : K2303-19  
 Misc : 5.55G/10ML/MSVOA W/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BF887

Quant Time: Apr 12 04:23:02 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM040319S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Apr 12 01:59:20 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 157013   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 162385   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 54868    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 32861    | 15.99    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 63.96%   |
| 7) Chloroethane-d5             | 2.89   | 69    | 39496    | 20.98    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 83.92%   |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 68029    | 15.40    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 61.60%   |
| 20) 2-Butanone-d5              | 7.08   | 46    | 55221    | 82.78    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 165.56%# |
| 24) Chloroform-d               | 7.65   | 84    | 154346   | 36.03    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 144.12%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 116779   | 44.40    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 177.60%# |
| 29) Benzene-d6                 | 8.27   | 84    | 244240   | 28.65    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 114.60%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 97322    | 36.96    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 147.84%# |
| 37) Toluene-d8                 | 10.32  | 98    | 184726   | 23.44    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 93.76%   |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 26745    | 21.30    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 85.20%   |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 30491    | 61.44    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 122.88%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 93537    | 38.21    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 152.84%# |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 61164    | 31.77    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 127.08%# |

## Target Compounds

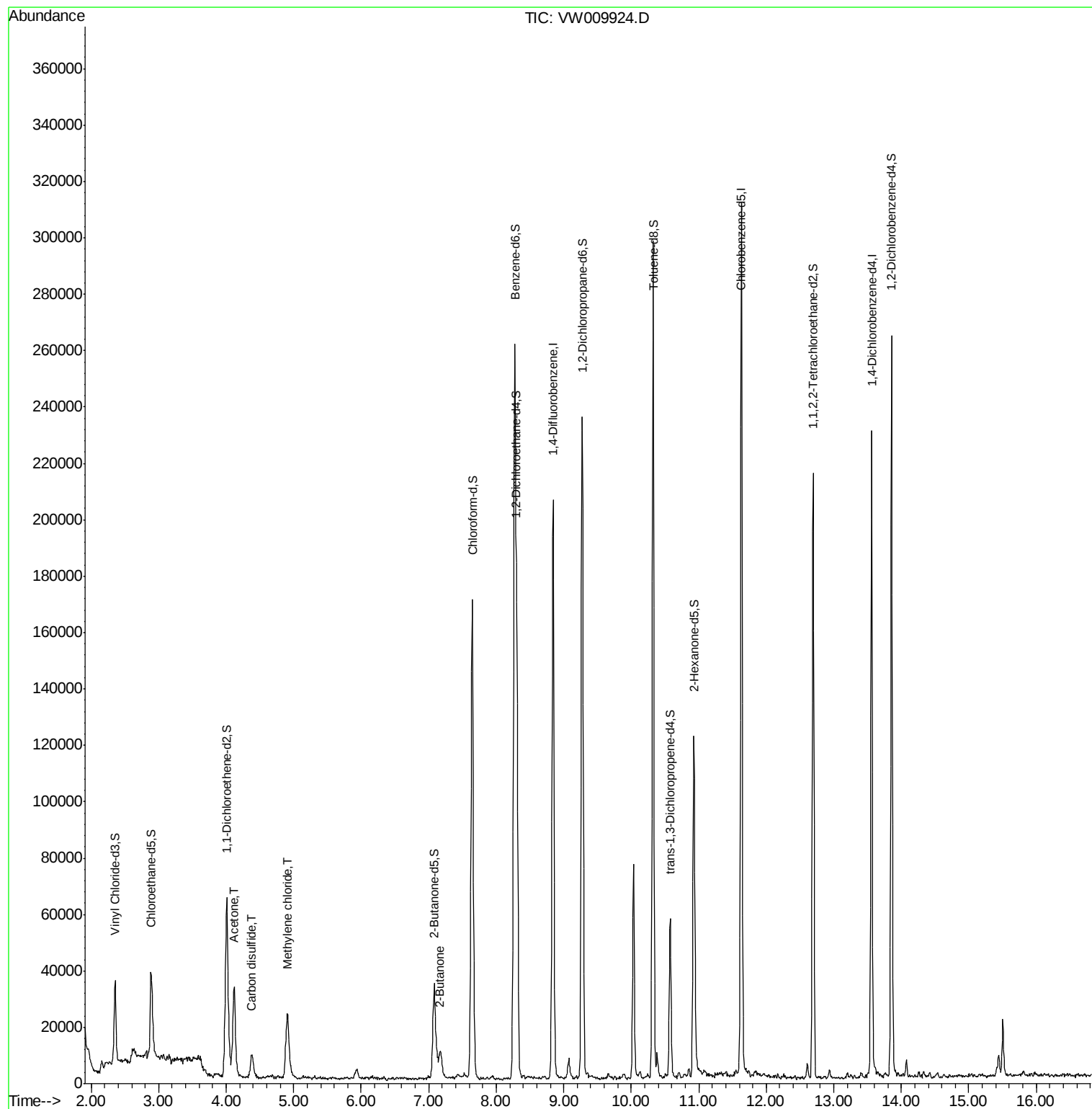
|                        |      |    |       |        | Ovalue    |
|------------------------|------|----|-------|--------|-----------|
| 13) Acetone            | 4.12 | 43 | 56794 | 79.458 | ug/L 84   |
| 14) Carbon disulfide   | 4.37 | 76 | 11880 | 1.833  | ug/L # 95 |
| 16) Methylene chloride | 4.90 | 84 | 17224 | 6.220  | ug/L 97   |
| 21) 2-Butanone         | 7.17 | 43 | 14095 | 15.505 | ug/L 83   |

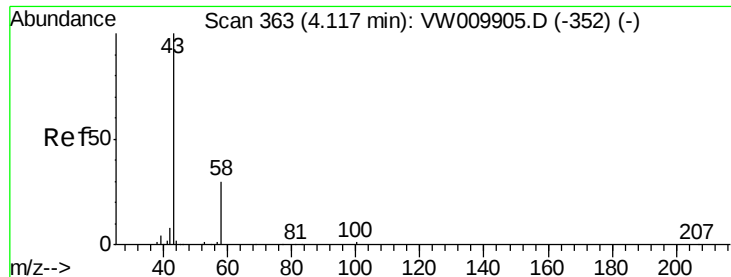
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041119\  
Data File : VW009924.D  
Acq On : 11 Apr 2019 19:28  
Operator : SY/VA  
Sample : K2303-19  
Misc : 5.55G/10ML/MSVOA W/SOIL  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BF887

Quant Time: Apr 12 04:23:02 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM040319S.M  
Quant Title : VOC Analysis  
QLast Update : Fri Apr 12 01:59:20 2019  
Response via : Initial Calibration





#13

Acetone

Concen: 79.458 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW009924.D

Acq: 11 Apr 2019 19:28

Instrument :

MSVOA\_W

ClientSampleId :

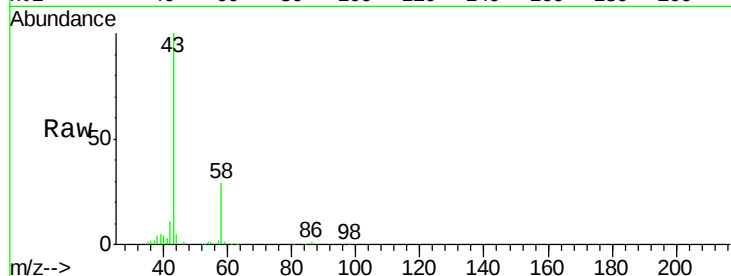
BF887

Tot Ion: 43 Resp: 56794

Ion Ratio Lower Upper

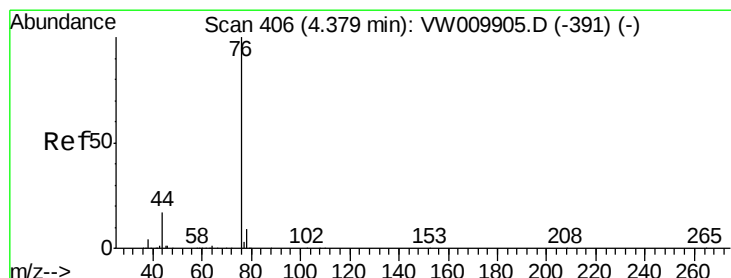
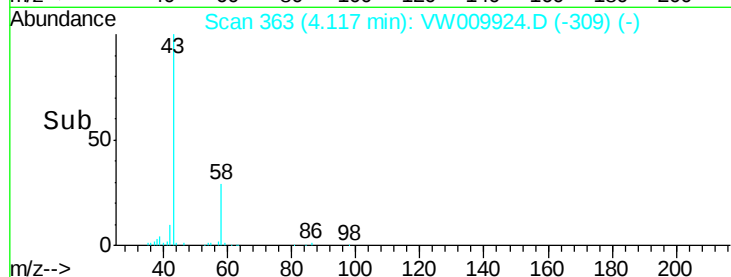
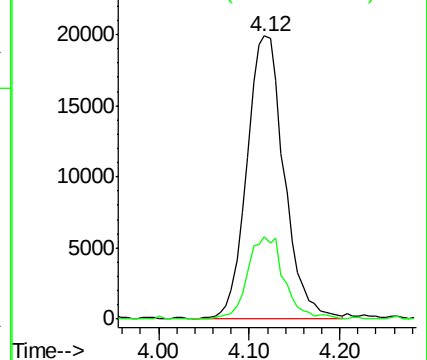
43 100

58 18.4 0.0 53.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 1.833 ug/L

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW009924.D

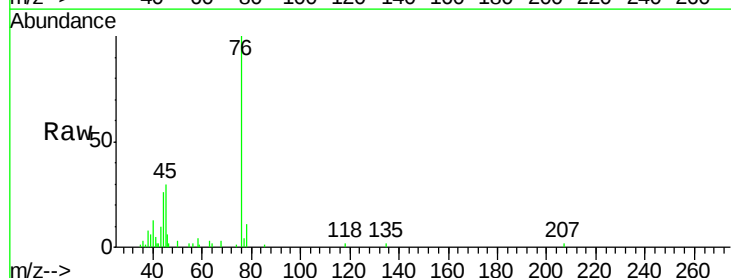
Acq: 11 Apr 2019 19:28

Tgt Ion: 76 Resp: 11880

Ion Ratio Lower Upper

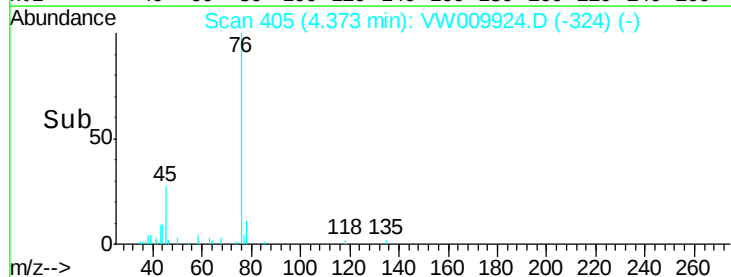
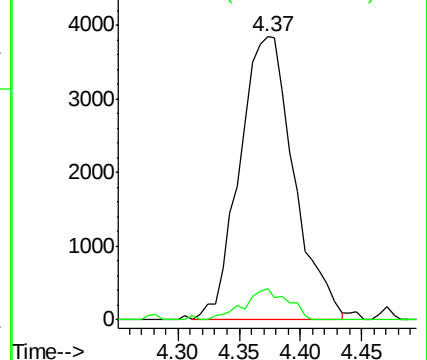
76 100

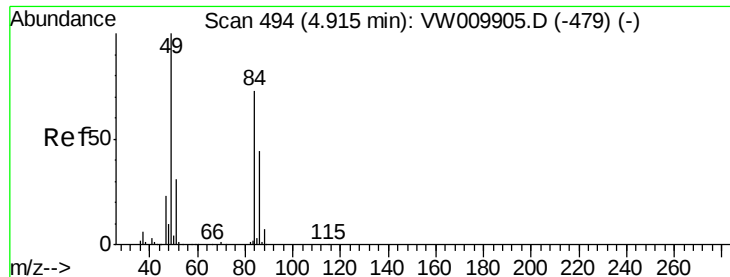
78 11.0 7.3 10.9#



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

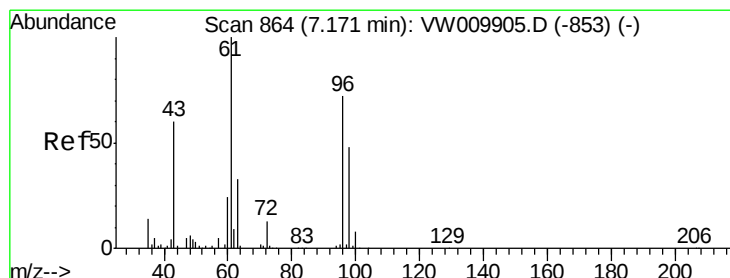
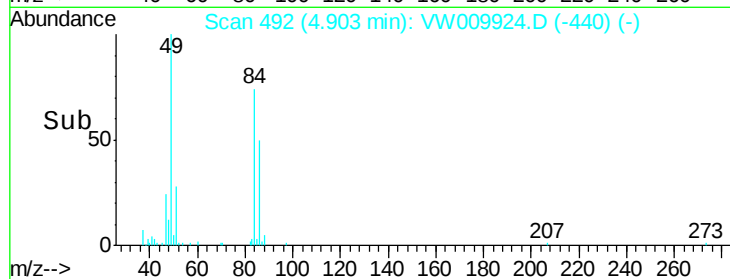
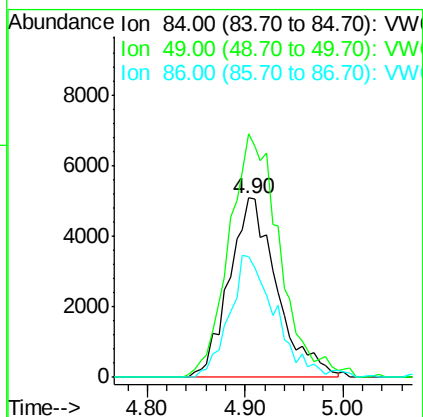
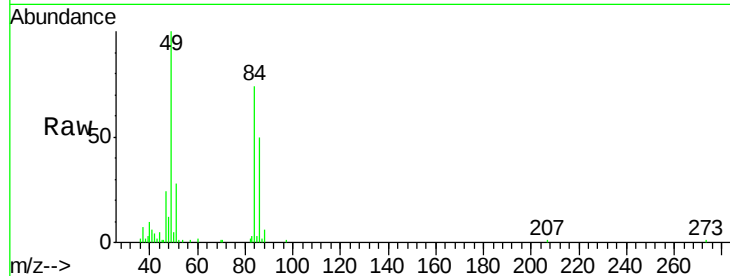




#16  
Methvlene chloride  
Concen: 6.220 ug/L  
RT: 4.90 min Scan# 492  
Delta R.T. -0.01 min  
Lab File: VW009924.D  
Acq: 11 Apr 2019 19:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
BF887

Tot Ion: 84 Resp: 17224  
Ion Ratio Lower Upper  
84 100  
49 136.0 98.3 182.5  
86 67.4 46.4 86.2



#21  
2-Butanone  
Concen: 15.505 ug/L  
RT: 7.17 min Scan# 864  
Delta R.T. 0.00 min  
Lab File: VW009924.D  
Acq: 11 Apr 2019 19:28

Tgt Ion: 43 Resp: 14095  
Ion Ratio Lower Upper  
43 100  
72 15.8 12.0 36.1

