

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW040319\  
 Data File : VW009673.D  
 Acq On : 03 Apr 2019 22:38  
 Operator : SY/VA  
 Sample : K2148-11  
 Misc : 4.94G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BF5F8

Manual Integrations  
 APPROVED

MMDadoda  
 4/10/2019 8:53:28 AM

Quant Time: Apr 04 02:47:53 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM040319S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Apr 04 02:03:18 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 547294   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 521527   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.55 | 152  | 707898   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 208003   | 29.04    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 116.16%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 173935   | 26.51    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 106.04%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 325195   | 21.11    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 84.44%   |
| 20) 2-Butanone-d5              | 7.07   | 46    | 117004   | 50.32    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 100.64%  |
| 24) Chloroform-d               | 7.64   | 84    | 388753   | 26.03    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 104.12%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 234314   | 25.56    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 102.24%  |
| 29) Benzene-d6                 | 8.27   | 84    | 761237   | 27.81    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 111.24%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 228020   | 26.97    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 107.88%  |
| 37) Toluene-d8                 | 10.32  | 98    | 746704   | 29.50    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 118.00%  |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 97644    | 24.21    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 96.84%   |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 94720    | 59.43    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 118.86%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 382334   | 48.63    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 194.52%# |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 440730   | 17.74    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 70.96%#  |

## Target Compounds

| Target Compounds       | R.T. | QIon | Response | Conc   | Units  | Ovalue |
|------------------------|------|------|----------|--------|--------|--------|
| 13) Acetone            | 4.12 | 43   | 61429    | 24.656 | ug/L   | 99     |
| 16) Methylene chloride | 4.92 | 84   | 29296m   | 3.035  | ug/L   |        |
| 21) 2-Butanone         | 7.18 | 43   | 15621m   | 4.930  | ug/L   |        |
| 36) Methylcyclohexane  | 9.34 | 83   | 70555    | 5.226  | ug/L # | 78     |

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

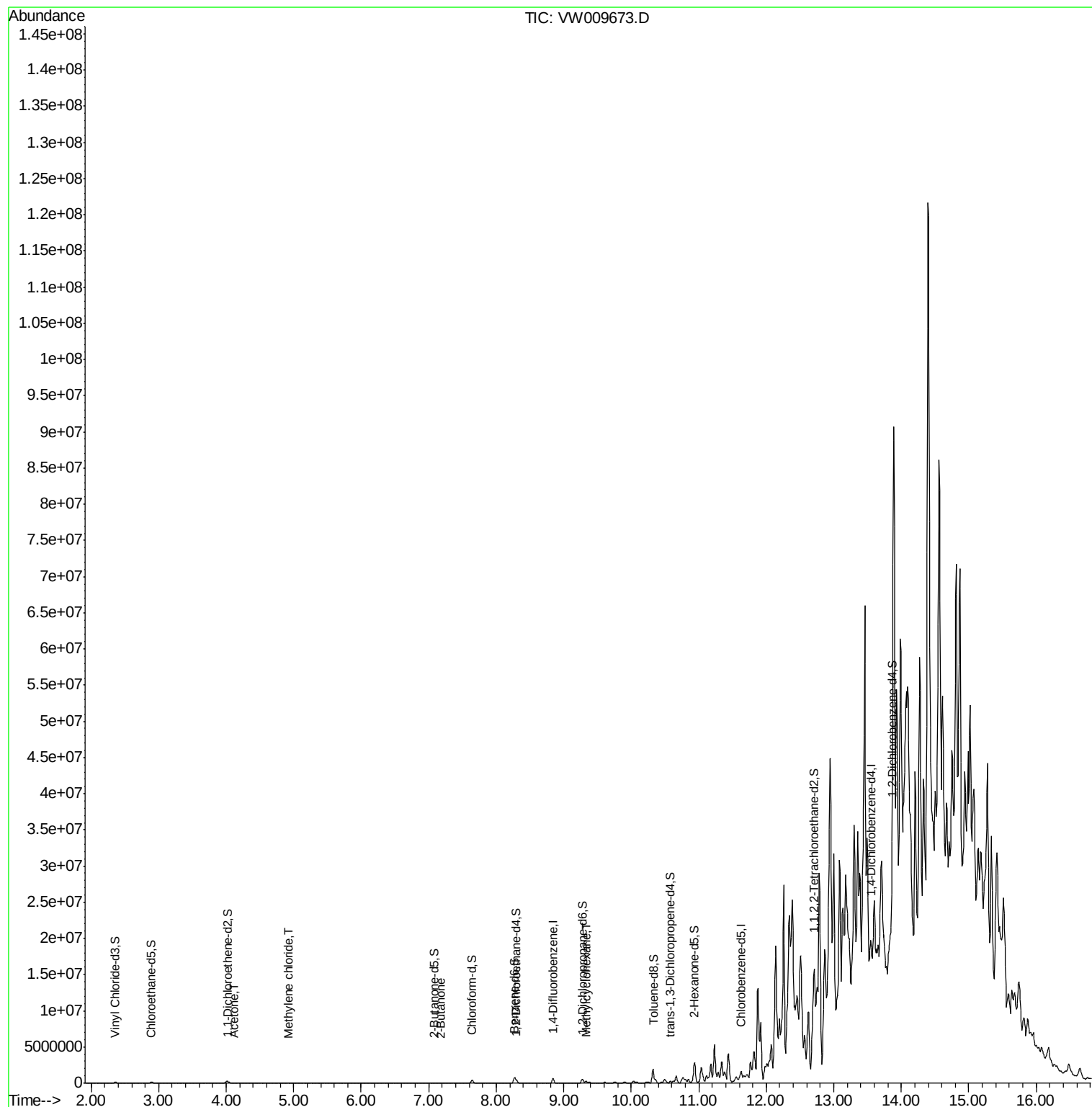
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\  
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ALS Vial : 1 Sample Multiplier: 1

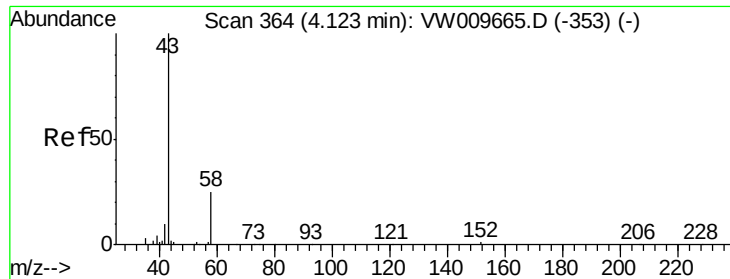
Instrument :  
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Response via : Initial Calibration





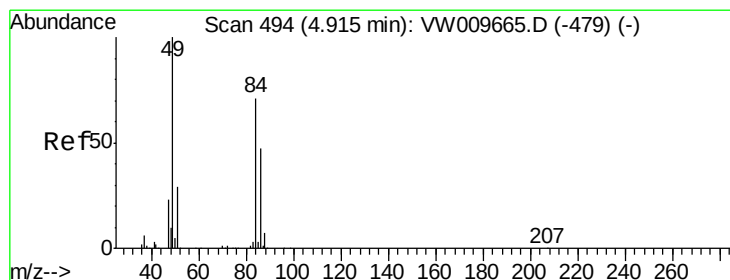
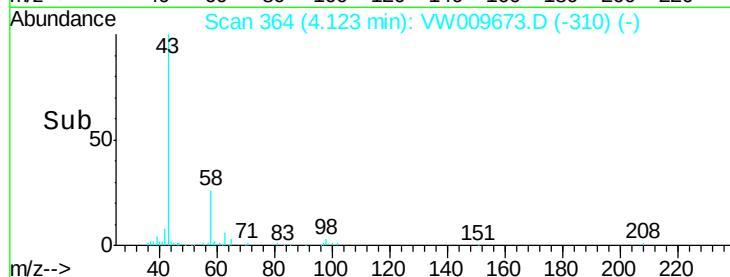
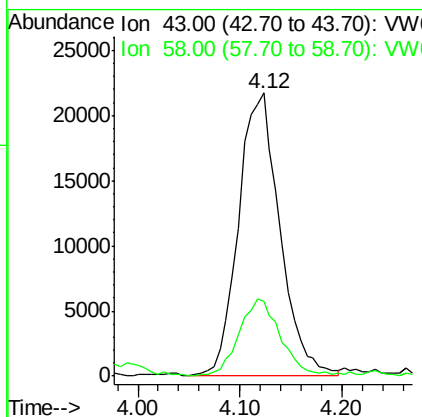
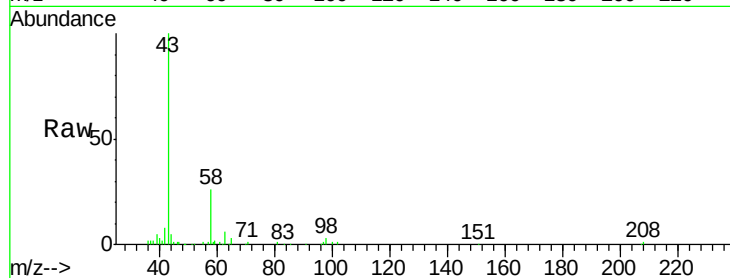
#13  
Acetone  
Concen: 24.656 ug/L  
RT: 4.12 min Scan# 364  
Delta R.T. 0.00 min  
Lab File: VW009673.D  
Acq: 03 Apr 2019 22:38

Instrument :  
MSVOA\_W  
ClientSampled :  
BF5F8

Tot Ion: 43 Resp: 61429  
Ion Ratio Lower Upper  
43 100  
58 27.0 0.0 53.0

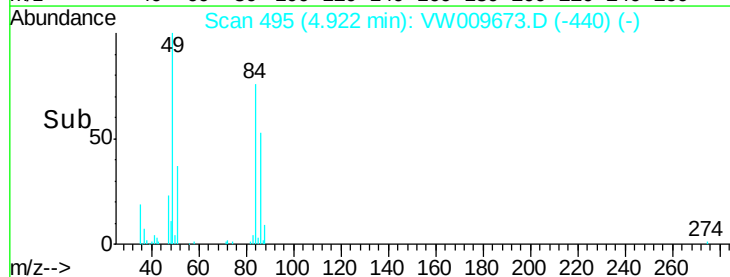
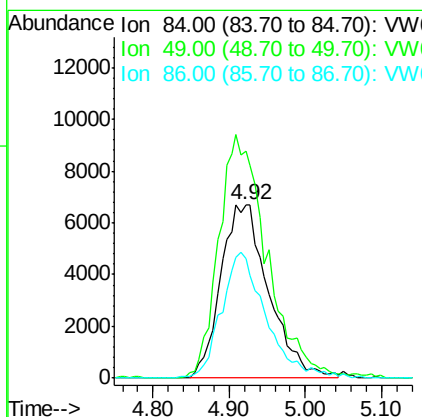
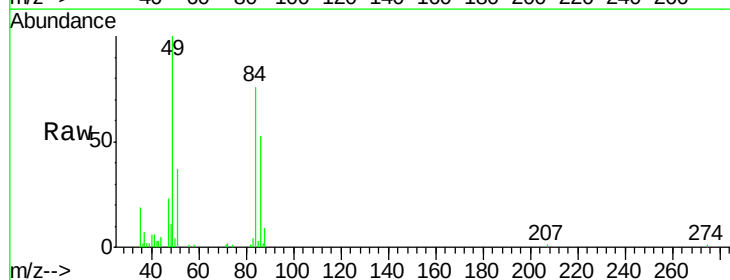
Manual Integrations  
APPROVED

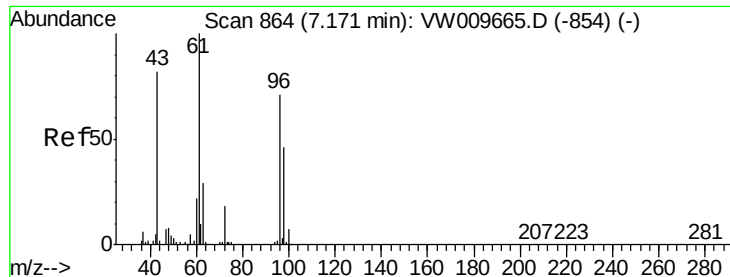
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4/10/2019 8:53:28 AM



#16  
Methylene chloride  
Concen: 3.035 ug/L m  
RT: 4.92 min Scan# 495  
Delta R.T. 0.01 min  
Lab File: VW009673.D  
Acq: 03 Apr 2019 22:38

Tgt Ion: 84 Resp: 29296  
Ion Ratio Lower Upper  
84 100  
49 130.8 98.3 182.5  
86 68.8 46.4 86.2





#21

2-Butanone

Concen: 4.930 ug/L m

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW009673.D

Acq: 03 Apr 2019 22:38

Instrument :

MSVOA\_W

ClientSampleId :

BF5F8

Tot Ion: 43 Resp: 15621

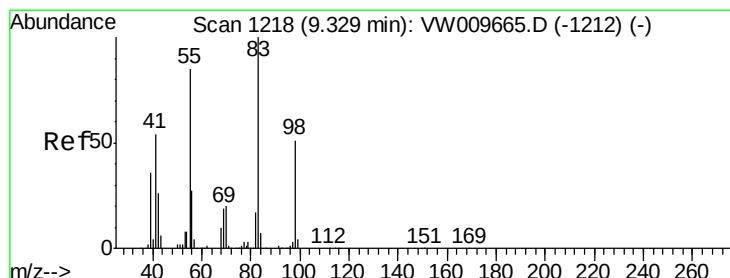
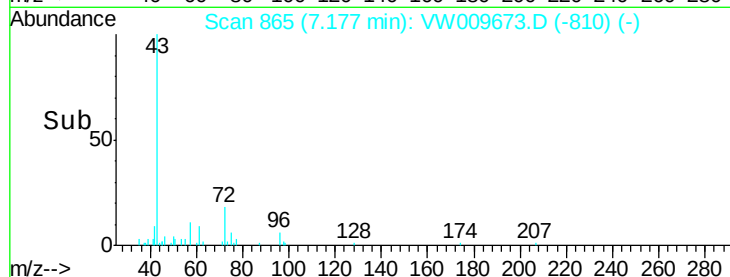
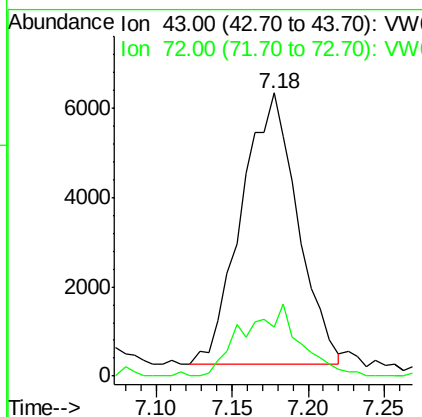
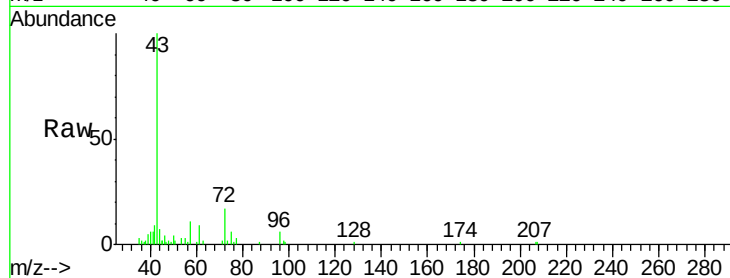
Ion Ratio Lower Upper

43 100

72 0.7 12.0 36.1#

Manual Integrations  
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#36

Methylcyclohexane

Concen: 5.226 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.01 min

Lab File: VW009673.D

Acq: 03 Apr 2019 22:38

Tgt Ion: 83 Resp: 70555

Ion Ratio Lower Upper

83 100

55 113.2 66.3 99.5#

98 51.1 39.4 59.0

