

Data File : VW008931.D  
Acq On : 01 Mar 2019 18:34  
Operator : SY/VA  
Sample : K1662-03  
Misc : 3.92G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BFC59

Quant Time: Mar 02 02:59:52 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM022019S.M  
Quant Title : VOC Analysis  
QLast Update : Sat Mar 02 02:55:16 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 223149   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 224103   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 106249   | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 61511    | 17.72    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 70.88% |
| 7) Chloroethane-d5             | 2.89   | 69    | 64053    | 20.55    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 82.20% |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 87425    | 15.14    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 60.56% |
| 20) 2-Butanone-d5              | 7.35   | 46    | 266      | 0.26     | ug/L | 0.27   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 0.52%# |
| 24) Chloroform-d               | 7.65   | 84    | 122349   | 22.67    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 90.68% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 79012    | 24.81    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 99.24% |
| 29) Benzene-d6                 | 8.27   | 84    | 244681   | 22.74    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 90.96% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 75541    | 23.97    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 95.88% |
| 37) Toluene-d8                 | 10.32  | 98    | 241477   | 22.41    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 89.64% |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 29043    | 18.39    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 73.56% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 29483    | 34.34    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 68.68% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 67741    | 21.41    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 85.64% |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 88852    | 23.47    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 93.88% |

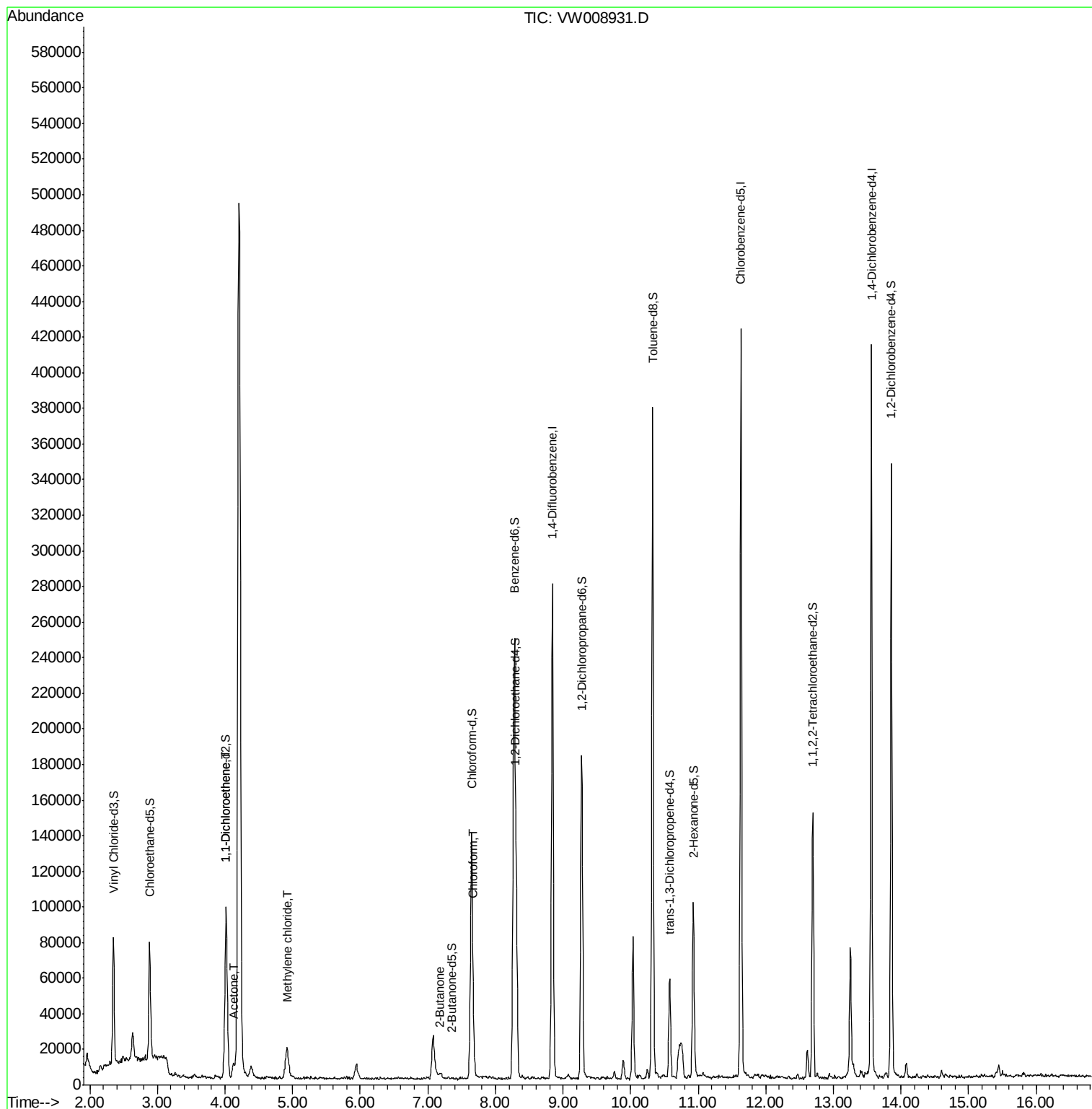
| Target Compounds       |      |    |       |        | Qvalue |    |
|------------------------|------|----|-------|--------|--------|----|
| 12) 1,1-Dichloroethene | 4.02 | 96 | 930   | 0.334  | ug/L # | 1  |
| 13) Acetone            | 4.12 | 43 | 14942 | 15.215 | ug/L   | 97 |
| 16) Methylene chloride | 4.92 | 84 | 11917 | 3.303  | ug/L # | 73 |
| 21) 2-Butanone         | 7.17 | 43 | 2652  | 1.930  | ug/L   | 92 |
| 25) Chloroform         | 7.67 | 83 | 7080  | 1.293  | ug/L # | 68 |

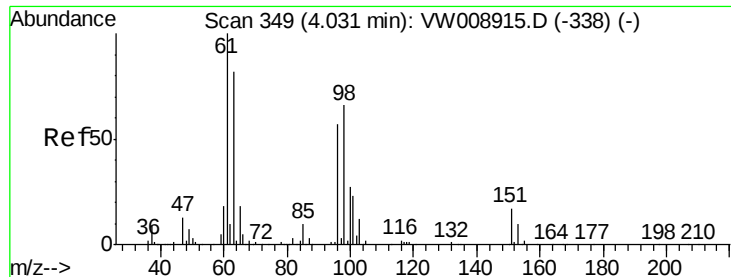
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.334 ug/L

RT: 4.02 min Scan# 347

Delta R.T. -0.01 min

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Instrument :

MSVOA\_W

ClientSampleId :

BFC59

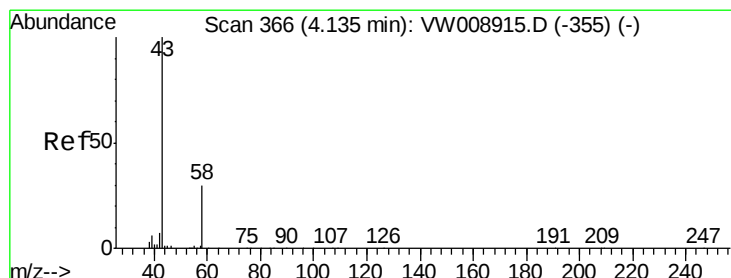
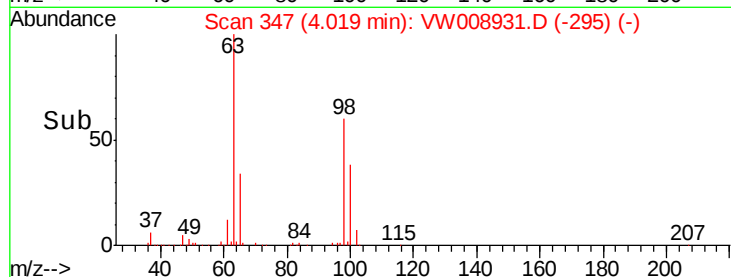
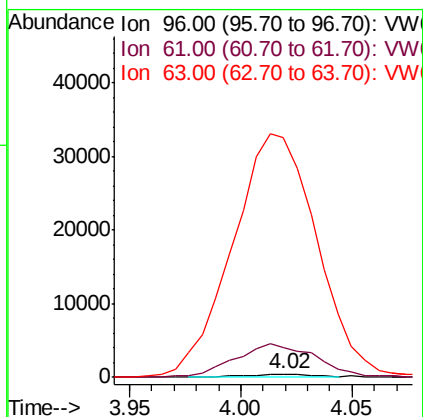
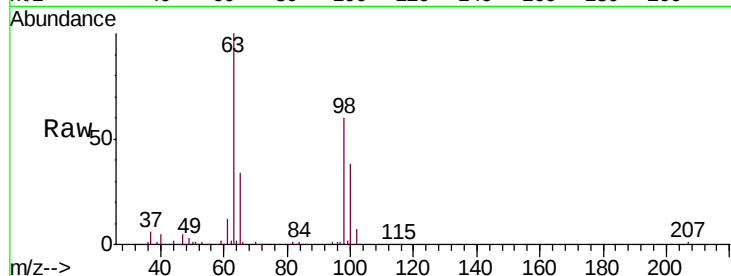
Tgt Ion: 96 Resp: 930

Ion Ratio Lower Upper

96 100

61 888.0 120.3 223.3#

63 7124.7 91.6 170.0#



#13

Acetone

Concen: 15.215 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW008931.D

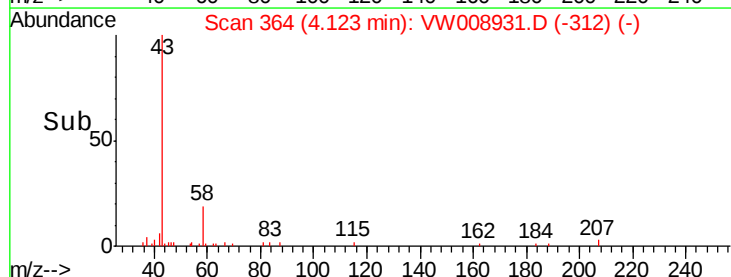
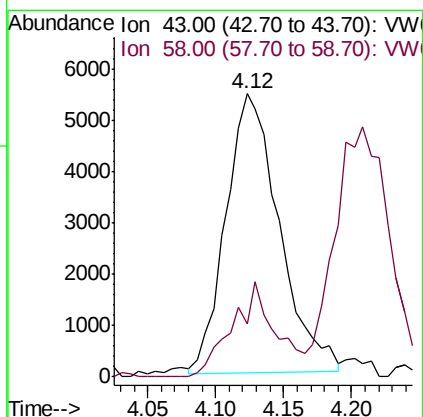
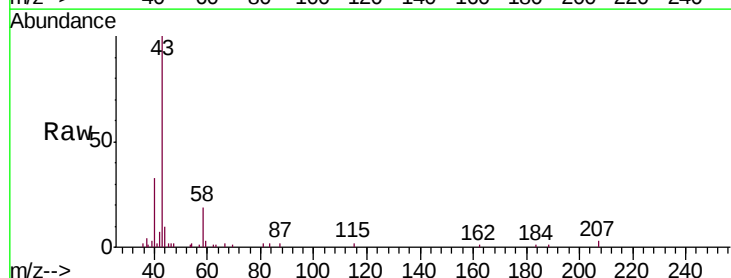
Acq: 01 Mar 2019 18:34

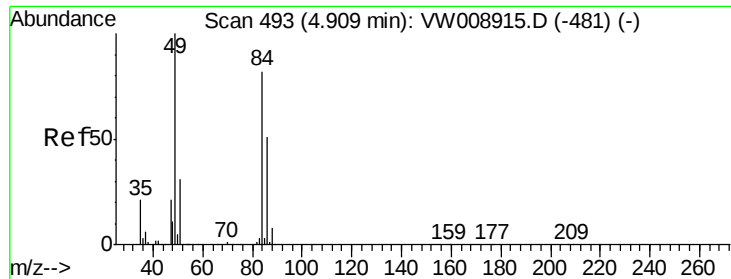
Tgt Ion: 43 Resp: 14942

Ion Ratio Lower Upper

43 100

58 27.8 0.0 58.6

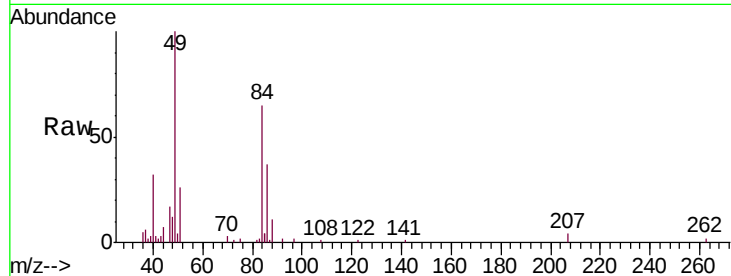




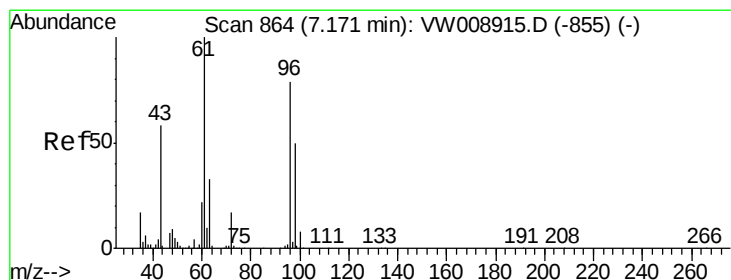
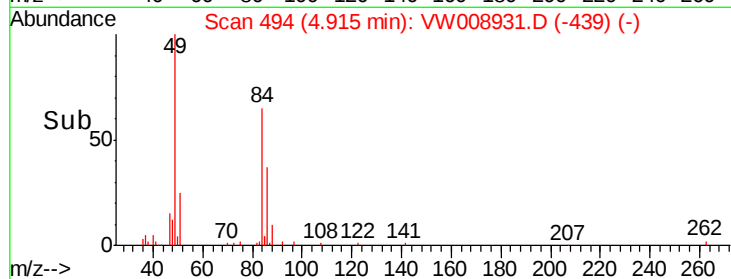
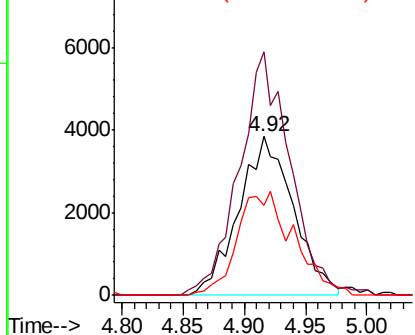
#16  
Methylene chloride  
Concen: 3.303 ug/L  
RT: 4.92 min Scan# 494  
Delta R.T. 0.01 min  
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Tgt Ion: 84 Resp: 11917  
Ion Ratio Lower Upper  
84 100  
49 153.5 79.2 147.0#  
86 56.9 43.2 80.2

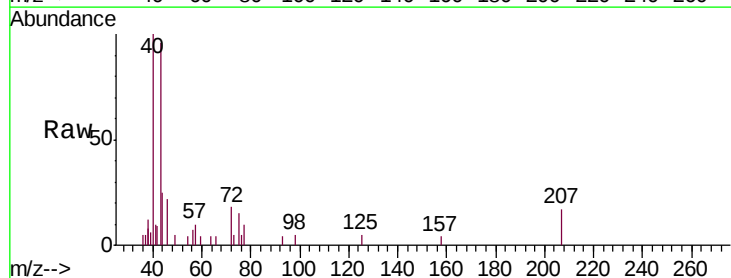


Abundance Ion 84.00 (83.70 to 84.70): VW  
Ion 49.00 (48.70 to 49.70): VW  
Ion 86.00 (85.70 to 86.70): VW

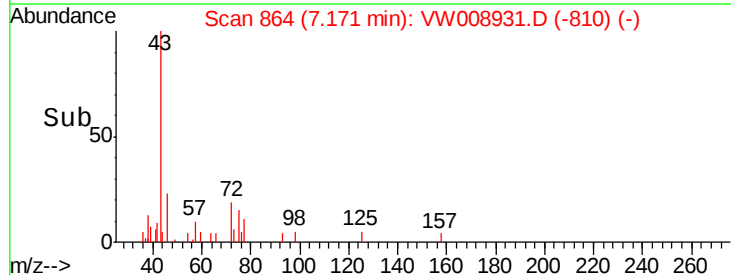
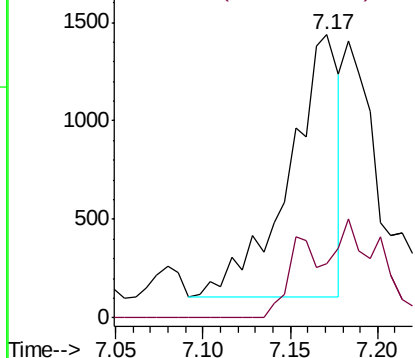


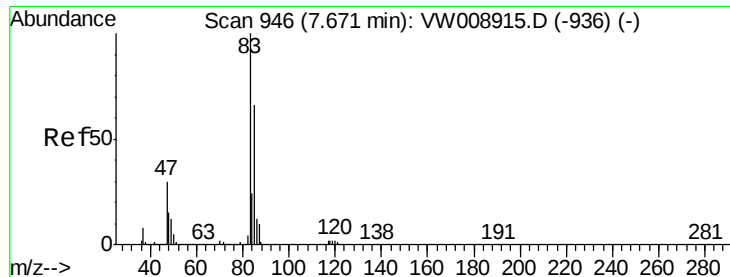
#21  
2-Butanone  
Concen: 1.930 ug/L  
RT: 7.17 min Scan# 864  
Delta R.T. 0.00 min  
Lab File: VW008931.D  
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Tgt Ion: 43 Resp: 2652  
Ion Ratio Lower Upper  
43 100  
72 24.4 14.4 43.4



Abundance Ion 43.00 (42.70 to 43.70): VW  
Ion 72.00 (71.70 to 72.70): VW





#25  
 Chloroform  
 Concen: 1.293 ug/L  
 RT: 7.67 min Scan# 946  
 Delta R.T. 0.00 min  
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 MSVOA\_W  
 ClientSampleId :  
 BFC59

Tgt Ion: 83 Resp: 7080  
 Ion Ratio Lower Upper  
 83 100  
 85 90.6 45.8 85.2#

