

Data File : VW014400.D  
Acq On : 17 Dec 2019 18:34  
Operator : SY/VA  
Sample : K6277-18RE  
Misc : 4.07G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
C0C59RE

Quant Time: Dec 18 01:42:30 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM120519S.M  
Quant Title : VOC Analysis  
QLast Update : Wed Dec 18 01:35:45 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 646499   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 387976   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 72279    | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 181831   | 18.57    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 74.28%   |
| 7) Chloroethane-d5             | 2.89   | 69    | 165978   | 22.80    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 91.20%   |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 241544   | 13.97    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 55.88%   |
| 20) 2-Butanone-d5              | 7.07   | 46    | 125736   | 49.29    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 98.58%   |
| 24) Chloroform-d               | 7.65   | 84    | 426469   | 25.91    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 103.64%  |
| 26) 1,2-Dichloroethane-d4      | 8.43   | 65    | 135      | 0.02     | ug/L | 0.13     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 0.08%#   |
| 29) Benzene-d6                 | 8.27   | 84    | 826084   | 36.33    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 145.32%# |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 297658   | 42.55    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 170.20%# |
| 37) Toluene-d8                 | 10.32  | 98    | 570919   | 27.77    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 111.08%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 42796    | 14.58    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 58.32%   |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 74150    | 53.31    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 106.62%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 178489   | 31.31    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 125.24%# |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 81735    | 29.59    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 118.36%  |

#### Target Compounds

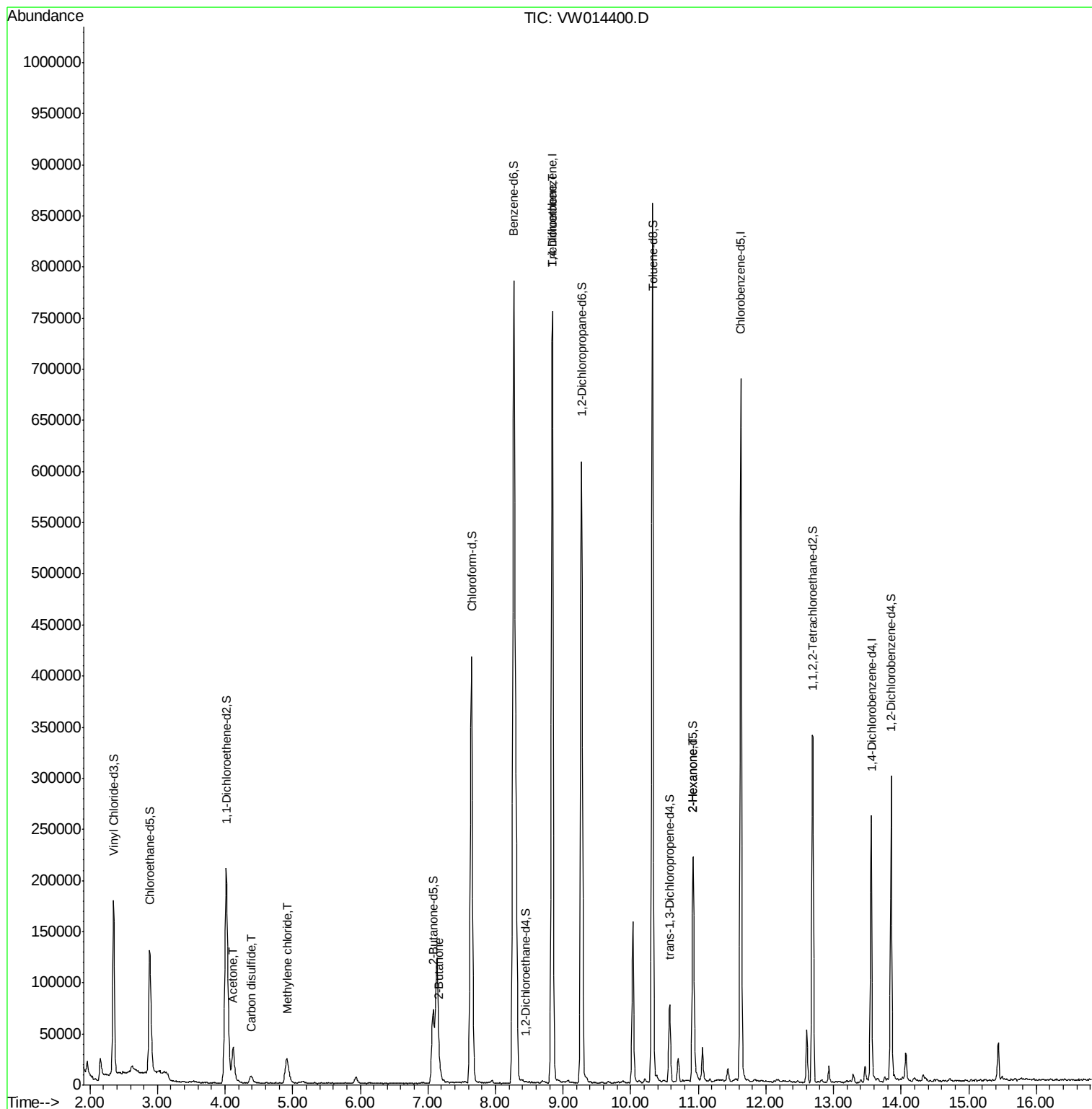
|                        |       |    |       |        | Qvalue    |
|------------------------|-------|----|-------|--------|-----------|
| 13) Acetone            | 4.12  | 43 | 59042 | 24.004 | ug/L 99   |
| 14) Carbon disulfide   | 4.38  | 76 | 9541  | 0.360  | ug/L # 91 |
| 16) Methylene chloride | 4.92  | 84 | 22114 | 2.231  | ug/L 95   |
| 21) 2-Butanone         | 7.17  | 43 | 20831 | 6.308  | ug/L 83   |
| 35) Trichloroethene    | 8.84  | 95 | 18606 | 2.960  | ug/L # 2  |
| 49) 2-Hexanone         | 10.93 | 43 | 12390 | 4.182  | ug/L # 68 |

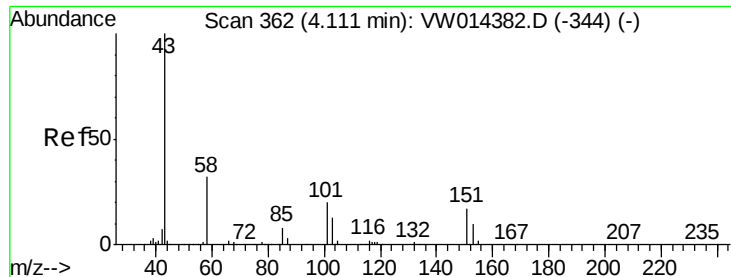
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 24.004 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW014400.D

Acq: 17 Dec 2019 18:34

Instrument :

MSVOA\_W

ClientSampleId :

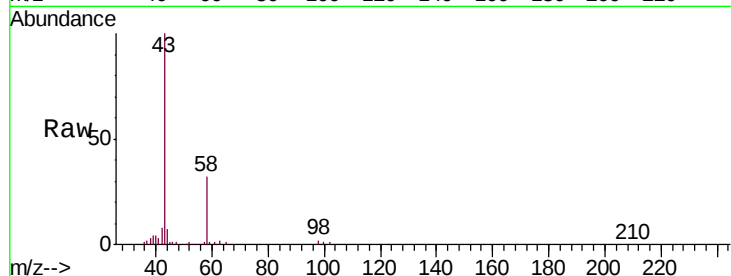
C0C59RE

Tgt Ion: 43 Resp: 59042

Ion Ratio Lower Upper

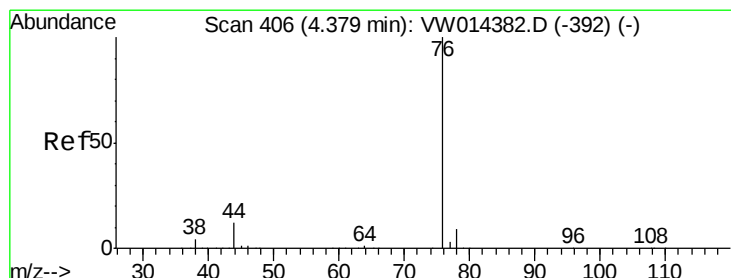
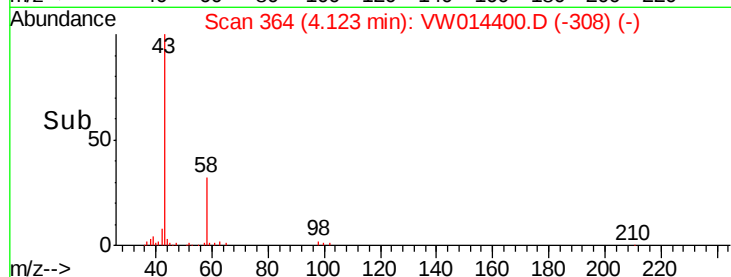
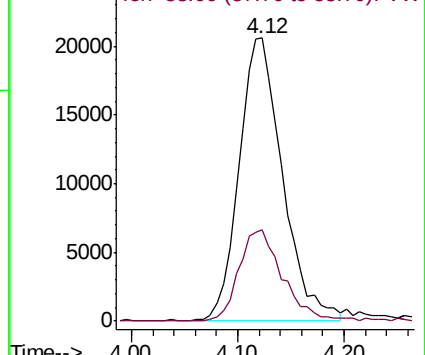
43 100

58 32.0 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 0.360 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW014400.D

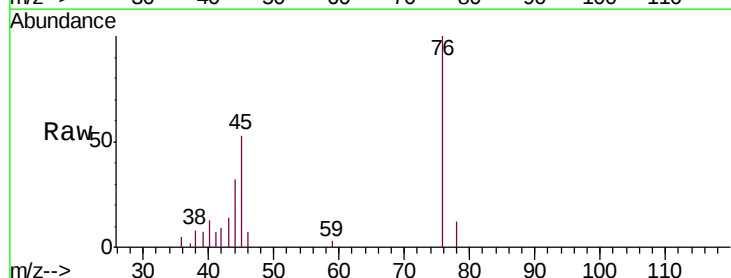
Acq: 17 Dec 2019 18:34

Tgt Ion: 76 Resp: 9541

Ion Ratio Lower Upper

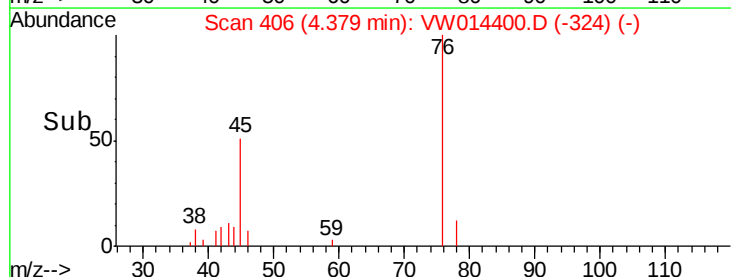
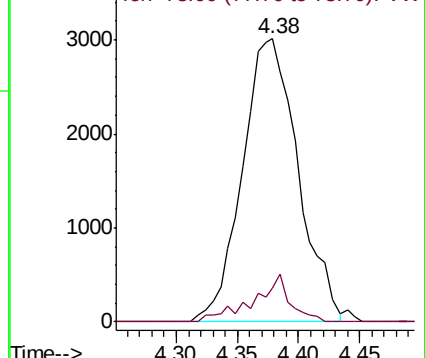
76 100

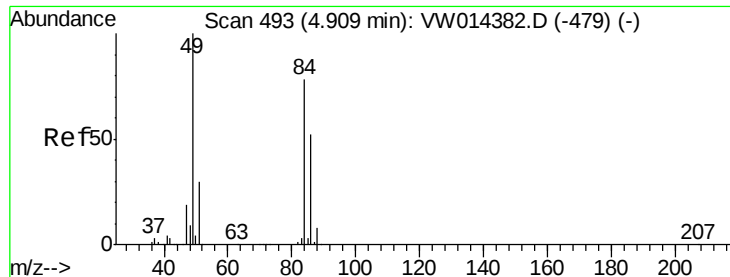
78 12.2 7.2 10.8#



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

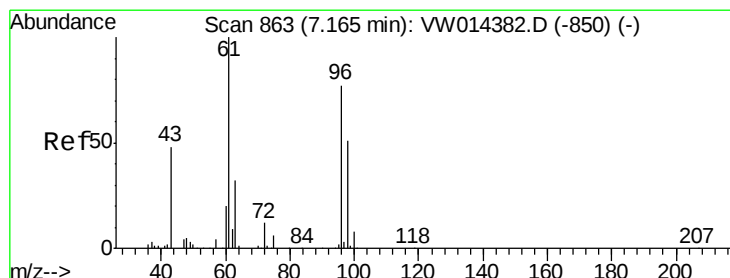
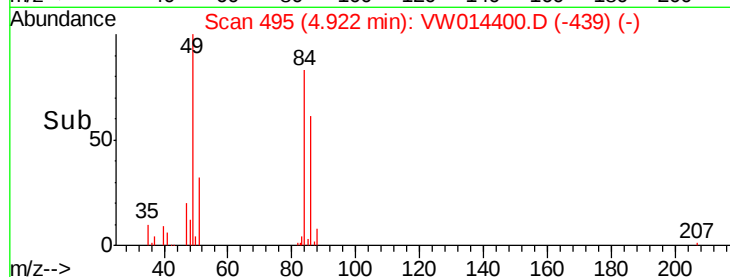
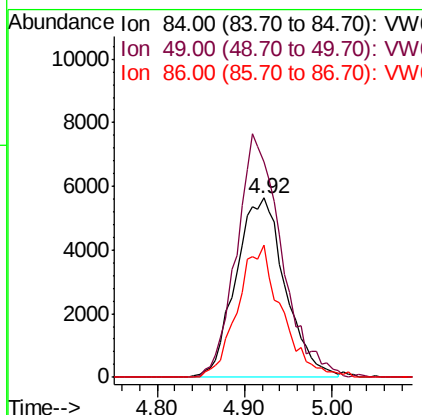
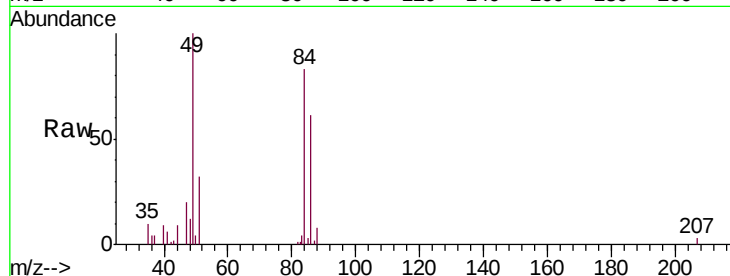




#16  
Methylene chloride  
Concen: 2.231 ug/L  
RT: 4.92 min Scan# 495  
Delta R.T. 0.01 min  
Lab File: VW014400.D  
Acq: 17 Dec 2019 18:34

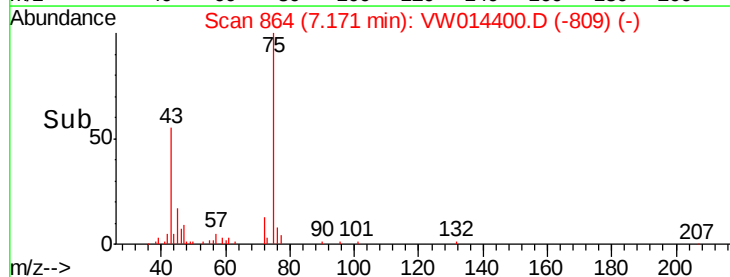
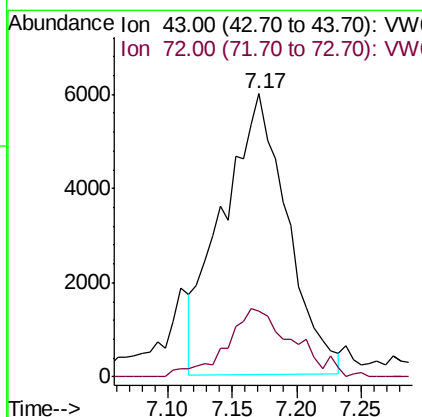
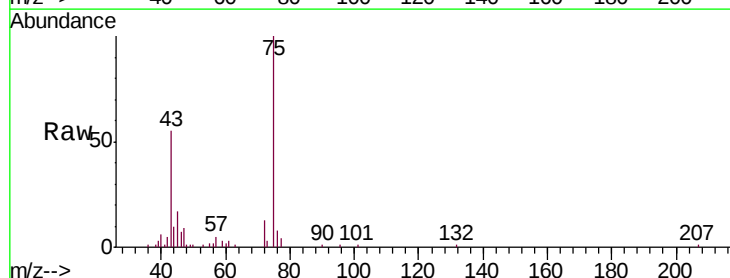
Instrument :  
MSVOA\_W  
ClientSampled :  
C0C59RE

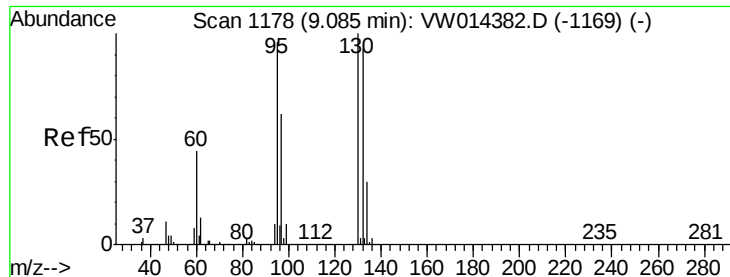
Tgt Ion: 84 Resp: 22114  
Ion Ratio Lower Upper  
84 100  
49 120.1 84.2 156.4  
86 73.8 43.7 81.1



#21  
2-Butanone  
Concen: 6.308 ug/L  
RT: 7.17 min Scan# 864  
Delta R.T. 0.01 min  
Lab File: VW014400.D  
Acq: 17 Dec 2019 18:34

Tgt Ion: 43 Resp: 20831  
Ion Ratio Lower Upper  
43 100  
72 19.1 14.1 42.2





#35

Trichloroethene

Concen: 2.960 ug/L

RT: 8.84 min Scan# 1138

Delta R.T. -0.24 min

Lab File: VW014400.D

Acq: 17 Dec 2019 18:34

Instrument :

MSVOA\_W

ClientSampled :

C0C59RE

Tgt Ion: 95 Resp: 18606

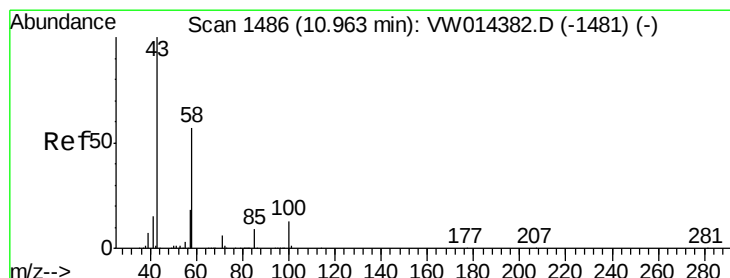
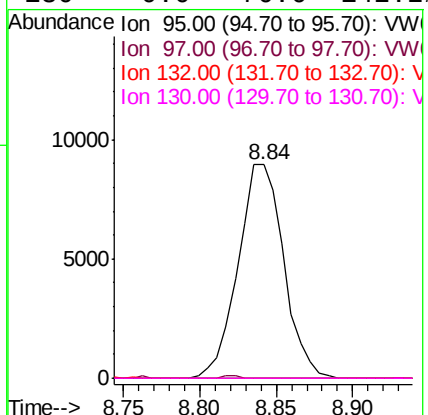
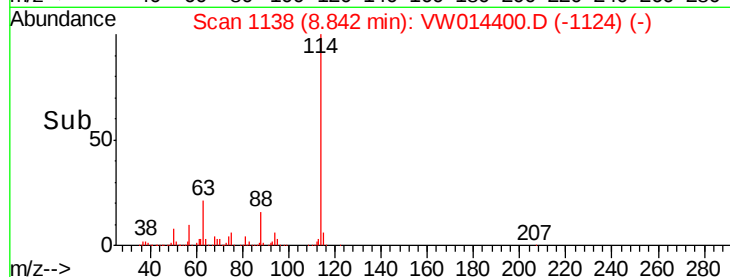
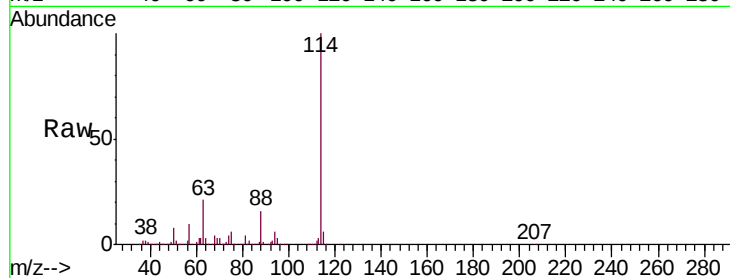
Ion Ratio Lower Upper

95 100

97 0.3 45.1 83.9#

132 0.0 73.7 136.9#

130 0.0 76.6 142.2#



#49

2-Hexanone

Concen: 4.182 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW014400.D

Acq: 17 Dec 2019 18:34

Tgt Ion: 43 Resp: 12390

Ion Ratio Lower Upper

43 100

58 28.4 44.4 66.6#

57 31.3 16.5 24.7#

100 4.3 11.1 16.7#

