

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080218\  
 Data File : VW004429.D  
 Acq On : 03 Aug 2018 05:48  
 Operator : SY/AP  
 Sample : J4268-03  
 Misc : 5.90G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 C0AA5

Quant Time: Aug 03 06:38:51 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM080218S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Aug 03 05:29:00 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 101008   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.64 | 117  | 104504   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 36844    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 27286    | 21.72    | ug/L | -0.01    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 86.88%   |
| 7) Chloroethane-d5             | 2.89   | 69    | 37842    | 35.80    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 143.20%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 43597    | 17.09    | ug/L | -0.01    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 68.36%   |
| 20) 2-Butanone-d5              | 7.09   | 46    | 7938     | 14.33    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 28.66%   |
| 24) Chloroform-d               | 7.65   | 84    | 126489   | 46.26    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 185.04%# |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 101582   | 66.63    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 266.52%# |
| 29) Benzene-d6                 | 8.28   | 84    | 170096   | 30.59    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 122.36%  |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 91585    | 50.41    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 201.64%# |
| 37) Toluene-d8                 | 10.33  | 98    | 112696   | 22.99    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 91.96%   |
| 38) trans-1,3-Dichloropropene- | 10.59  | 79    | 13773    | 18.43    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 73.72%   |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 5798     | 13.11    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 26.22%   |
| 48) 1,1,2,2-Tetrachloroethane- | 12.70  | 84    | 122970   | 62.41    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 249.64%# |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 44877    | 32.43    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 129.72%# |

## Target Compounds

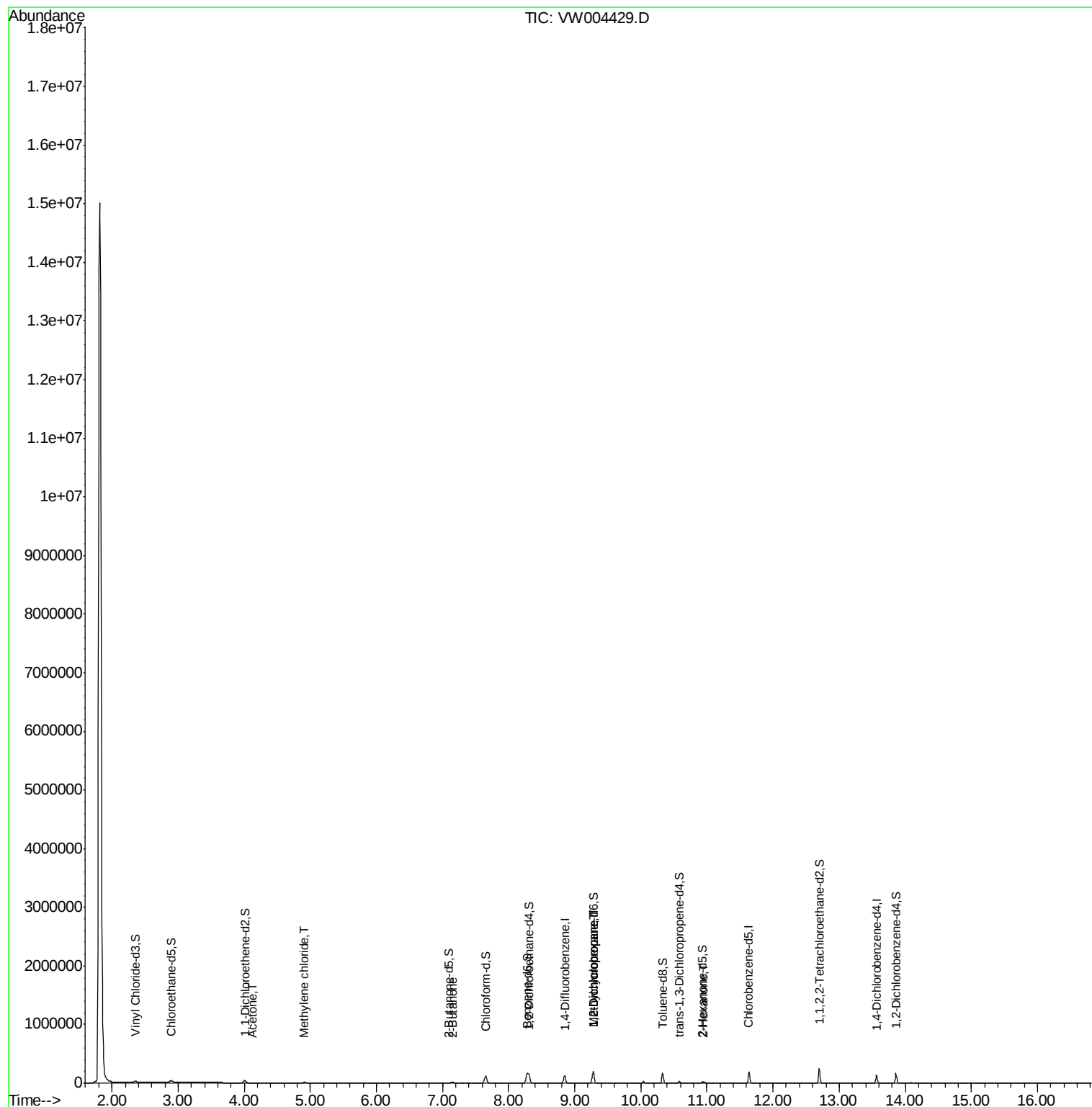
| Target Compounds        | R.T.  | QIon | Response | Conc   | Units  | Ovalue |
|-------------------------|-------|------|----------|--------|--------|--------|
| 13) Acetone             | 4.12  | 43   | 3943     | 8.216  | ug/L   | 83     |
| 16) Methylene chloride  | 4.92  | 84   | 9315     | 4.643  | ug/L   | 93     |
| 21) 2-Butanone          | 7.15  | 43   | 12156    | 18.505 | ug/L # | 49     |
| 36) Methylcyclohexane   | 9.28  | 83   | 21385    | 7.517  | ug/L # | 19     |
| 40) 1,2-Dichloropropane | 9.28  | 63   | 9916     | 5.811  | ug/L # | 91     |
| 49) 2-Hexanone          | 10.96 | 43   | 6411     | 6.667  | ug/L # | 40     |

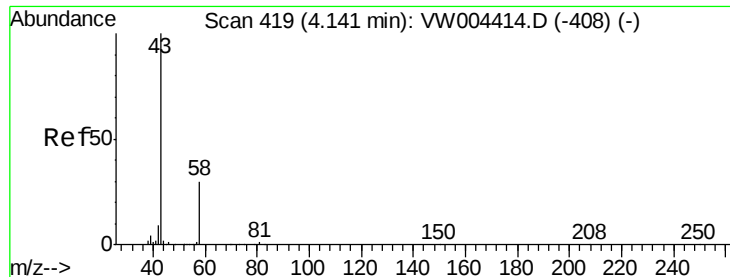
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Fri Aug 03 05:29:00 2018  
Response via : Initial Calibration





#13

Acetone

Concen: 8.216 ug/L

RT: 4.12 min Scan# 416

Delta R.T. -0.02 min

Lab File: VW004429.D

Acq: 03 Aug 2018 05:48

Instrument :

MSVOA\_W

ClientSampleId :

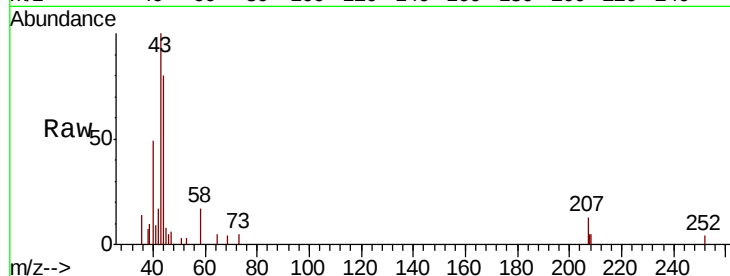
C0AA5

Tot Ion: 43 Resp: 3943

Ion Ratio Lower Upper

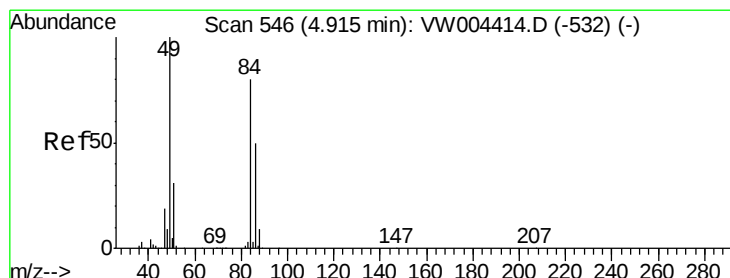
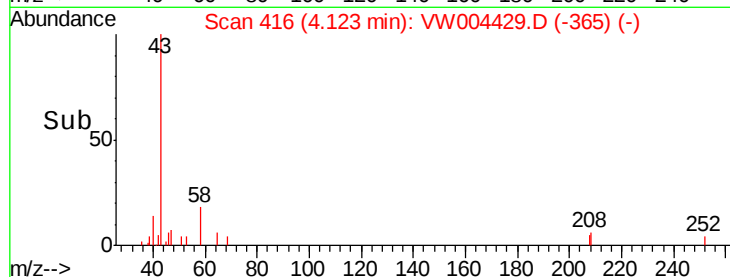
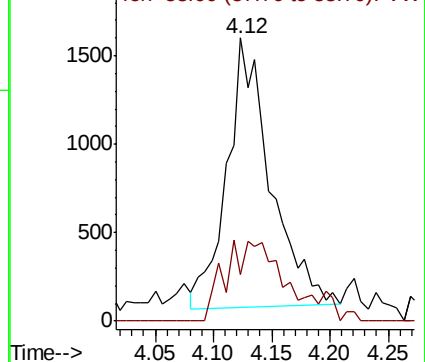
43 100

58 23.4 0.0 66.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#16

Methylene chloride

Concen: 4.643 ug/L

RT: 4.92 min Scan# 546

Delta R.T. 0.00 min

Lab File: VW004429.D

Acq: 03 Aug 2018 05:48

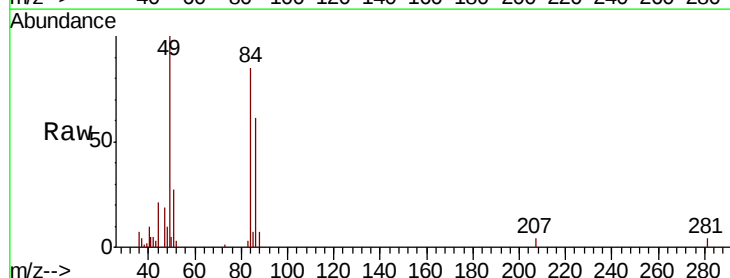
Tgt Ion: 84 Resp: 9315

Ion Ratio Lower Upper

84 100

49 117.5 86.0 159.6

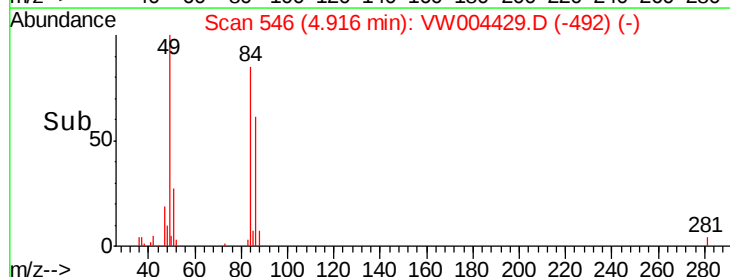
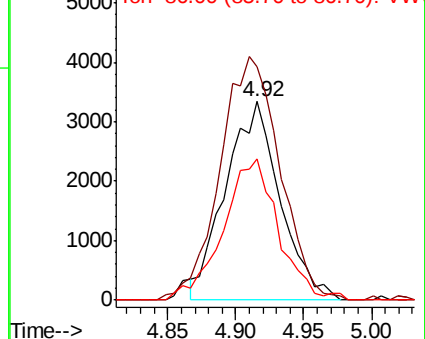
86 71.5 43.5 80.9

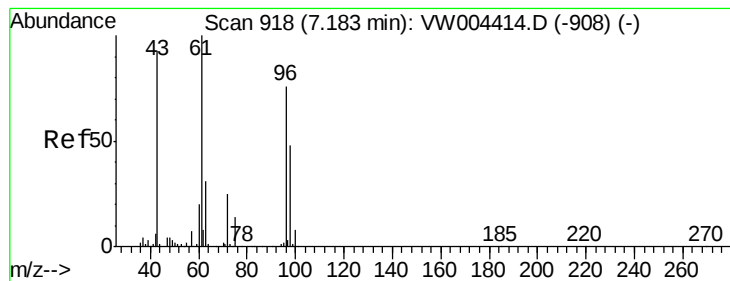


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





#21

2-Butanone

Concen: 18.505 ug/L

RT: 7.15 min Scan# 913

Delta R.T. -0.03 min

Lab File: VW004429.D

Acq: 03 Aug 2018 05:48

Instrument :

MSVOA\_W

ClientSampleId :

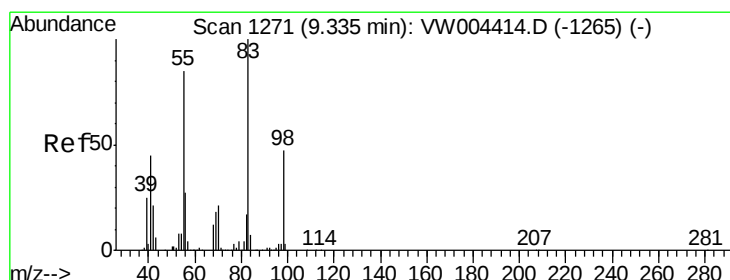
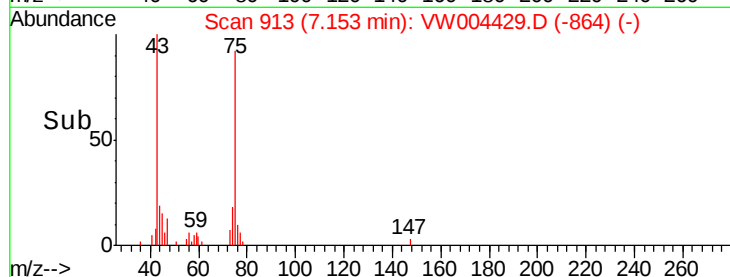
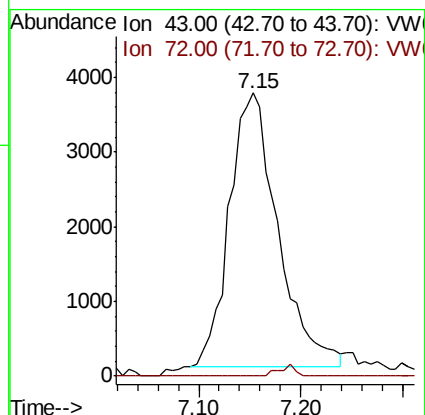
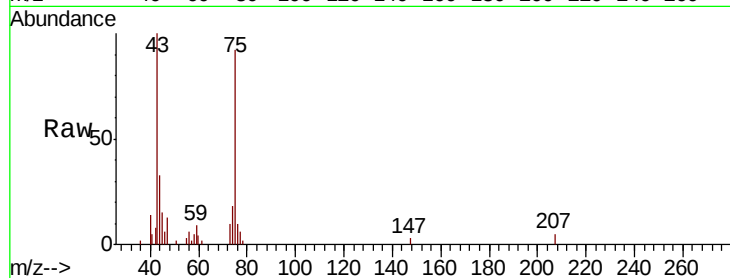
C0AA5

Tot Ion: 43 Resp: 12156

Ion Ratio Lower Upper

43 100

72 0.2 13.2 39.6#



#36

Methylcyclohexane

Concen: 7.517 ug/L

RT: 9.28 min Scan# 1262

Delta R.T. -0.05 min

Lab File: VW004429.D

Acq: 03 Aug 2018 05:48

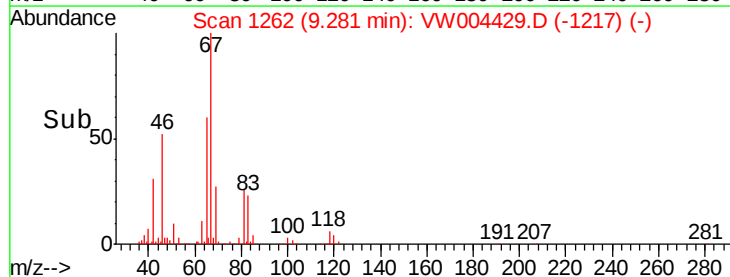
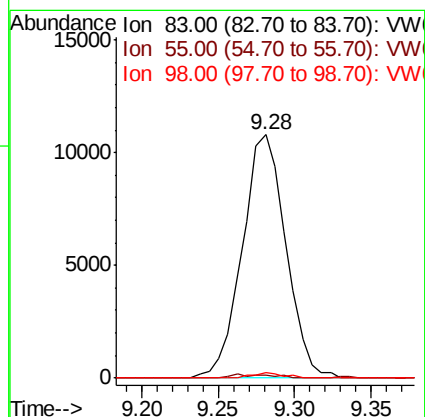
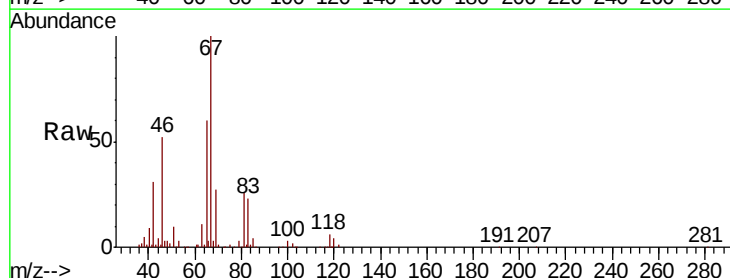
Tgt Ion: 83 Resp: 21385

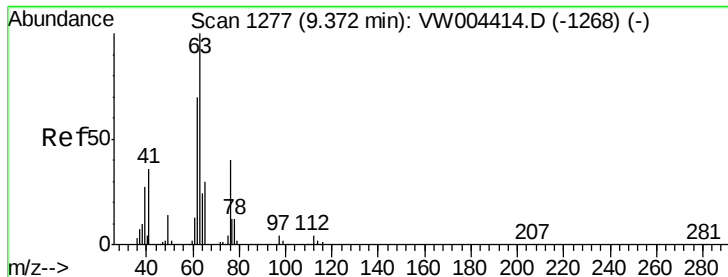
Ion Ratio Lower Upper

83 100

55 0.7 62.8 94.2#

98 1.5 36.6 54.8#





#40

1,2-Dichloropropane

Concen: 5.811 ug/L

RT: 9.28 min Scan# 1262

Delta R.T. -0.09 min

Lab File: VW004429.D

Acq: 03 Aug 2018 05:48

Instrument :

MSVOA\_W

ClientSampleId :

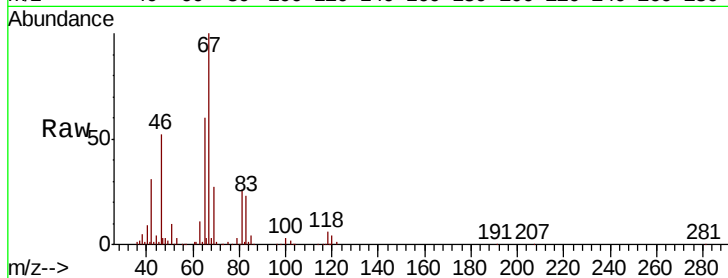
C0AA5

Tot Ion: 63 Resp: 9916

Ion Ratio Lower Upper

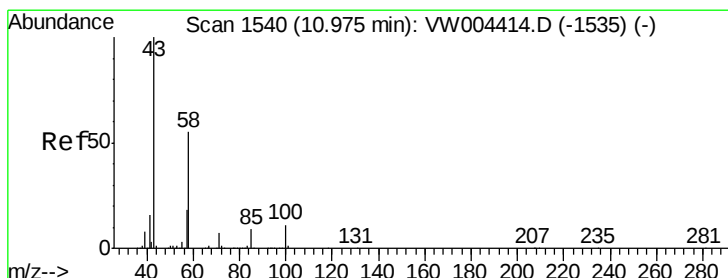
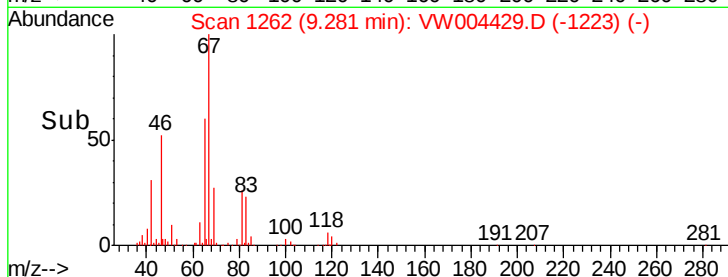
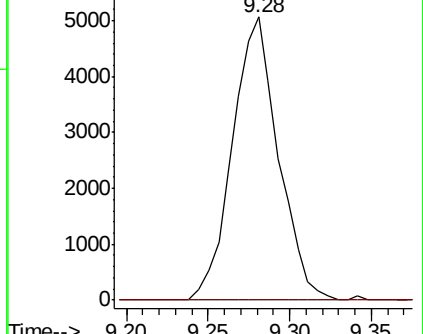
63 100

112 0.8 3.0 4.6#



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#49

2-Hexanone

Concen: 6.667 ug/L

RT: 10.96 min Scan# 1537

Delta R.T. -0.02 min

Lab File: VW004429.D

Acq: 03 Aug 2018 05:48

Tgt Ion: 43 Resp: 6411

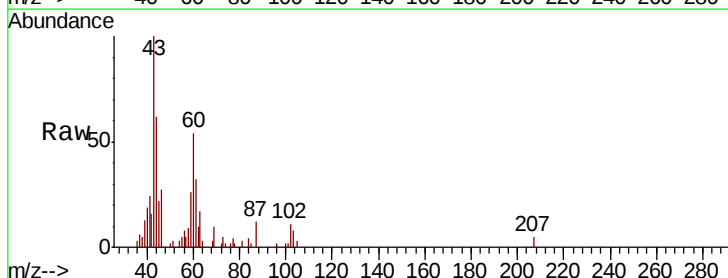
Ion Ratio Lower Upper

43 100

58 1.1 43.4 65.0#

57 1.7 15.0 22.6#

100 0.7 8.9 13.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW

