

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW062018\  
 Data File : VW003351.D  
 Acq On : 20 Jun 2018 14:40  
 Operator : SY/AP  
 Sample : J3568-07  
 Misc : 2.76G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 DAXS0

Quant Time: Jun 21 04:21:31 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM062018S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Jun 21 04:12:02 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 104044   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.64 | 117  | 103979   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 37585    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 28820    | 20.42    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 81.68%   |
| 7) Chloroethane-d5             | 2.89   | 69    | 27851    | 23.66    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 94.64%   |
| 10) 1,1-Dichloroethene-d2      | 4.00   | 63    | 48399    | 17.27    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 69.08%   |
| 20) 2-Butanone-d5              | 7.09   | 46    | 4806     | 10.81    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 21.62%   |
| 24) Chloroform-d               | 7.65   | 84    | 81760    | 29.87    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 119.48%  |
| 26) 1,2-Dichloroethane-d4      | 8.41   | 65    | 73       | 0.04     | ug/L | 0.10     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 0.16%#   |
| 29) Benzene-d6                 | 8.28   | 84    | 138232   | 25.06    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 100.24%  |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 53525    | 30.65    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 122.60%# |
| 37) Toluene-d8                 | 10.33  | 98    | 126120   | 23.91    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 95.64%   |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 19529    | 23.82    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 95.28%   |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 4725     | 13.24    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 26.48%   |
| 48) 1,1,2,2-Tetrachloroethane- | 12.70  | 84    | 49029    | 30.17    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 120.68%# |
| 61) 1,2-Dichlorobenzene-d4     | 13.87  | 152   | 39692    | 27.96    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 111.84%  |

## Target Compounds

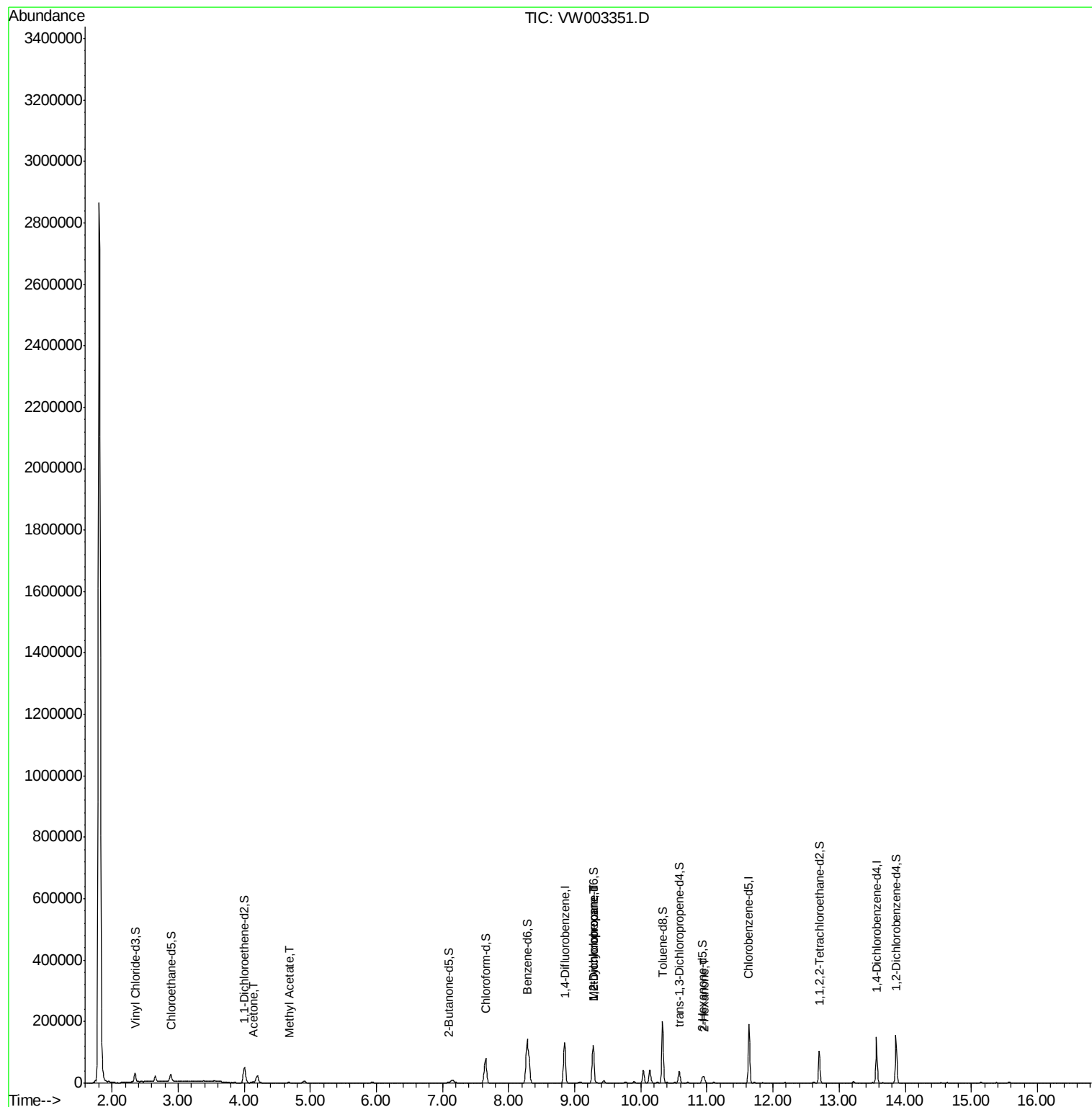
| Target Compounds        | R.T.  | QIon | Response | Conc   | Units  | Qvalue |
|-------------------------|-------|------|----------|--------|--------|--------|
| 13) Acetone             | 4.14  | 43   | 6029     | 12.721 | ug/L   | 73     |
| 15) Methyl Acetate      | 4.67  | 43   | 1855     | 2.388  | ug/L # | 88     |
| 36) Methylcyclohexane   | 9.28  | 83   | 12861    | 4.714  | ug/L # | 18     |
| 40) 1,2-Dichloropropane | 9.27  | 63   | 6396     | 4.099  | ug/L # | 87     |
| 49) 2-Hexanone          | 10.96 | 43   | 10734    | 12.922 | ug/L # | 42     |

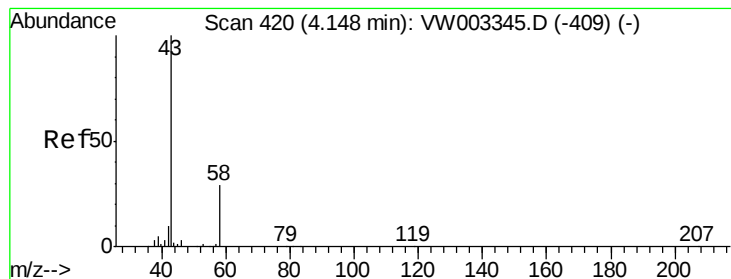
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Thu Jun 21 04:12:02 2018  
Response via : Initial Calibration





#13

Acetone

Concen: 12.721 ug/L

RT: 4.14 min Scan# 418

Delta R.T. -0.01 min

Lab File: VW003351.D

Acq: 20 Jun 2018 14:40

Instrument :

MSVOA\_W

ClientSampleId :

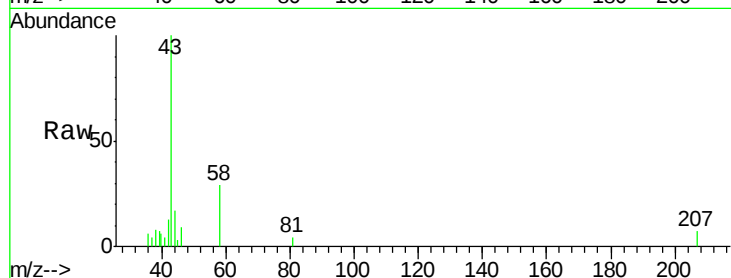
DAXS0

Tgt Ion: 43 Resp: 6029

Ion Ratio Lower Upper

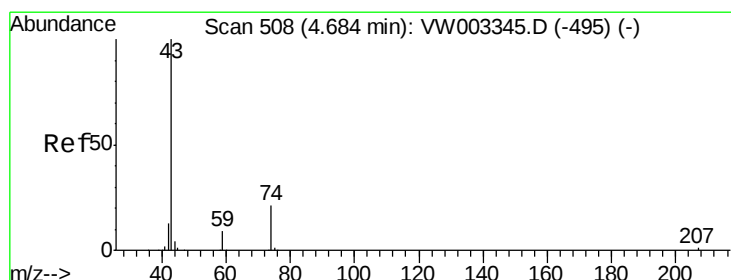
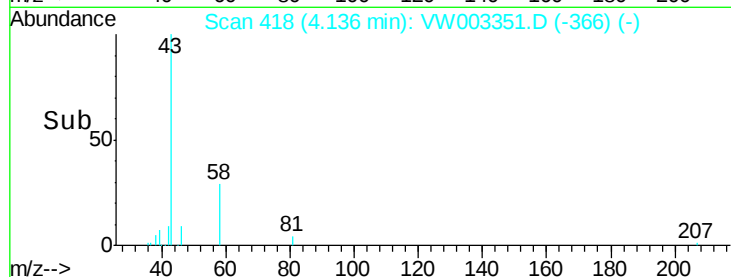
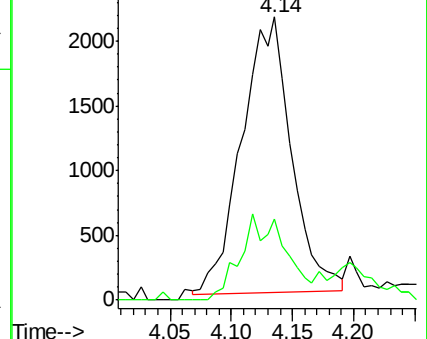
43 100

58 14.8 0.0 58.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#15

Methyl Acetate

Concen: 2.388 ug/L

RT: 4.67 min Scan# 506

Delta R.T. -0.01 min

Lab File: VW003351.D

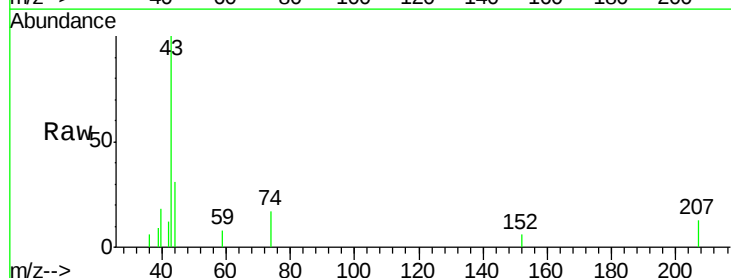
Acq: 20 Jun 2018 14:40

Tgt Ion: 43 Resp: 1855

Ion Ratio Lower Upper

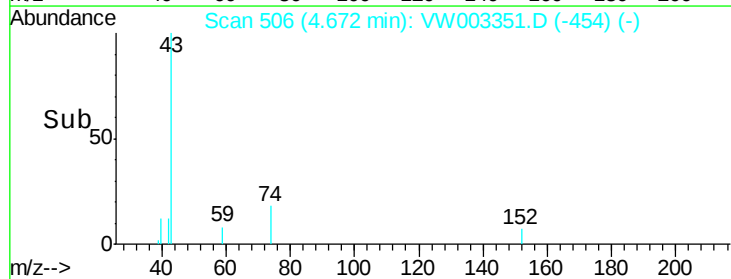
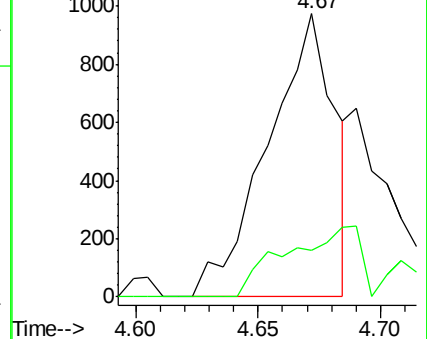
43 100

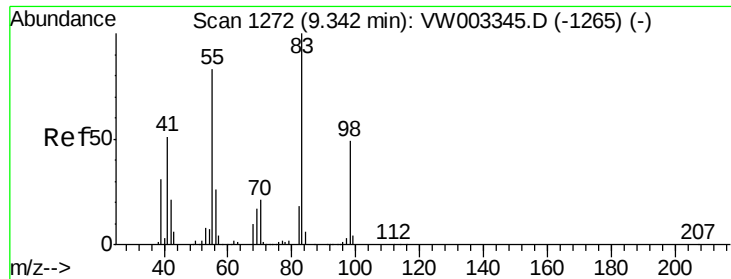
74 27.4 17.5 26.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

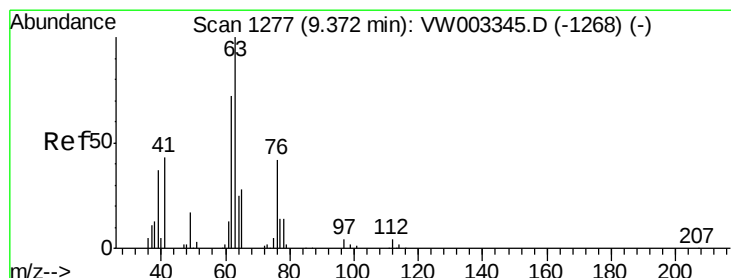
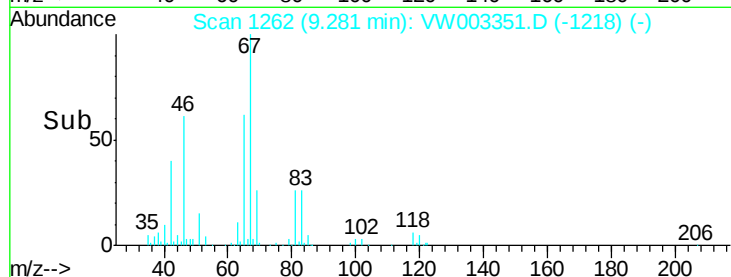
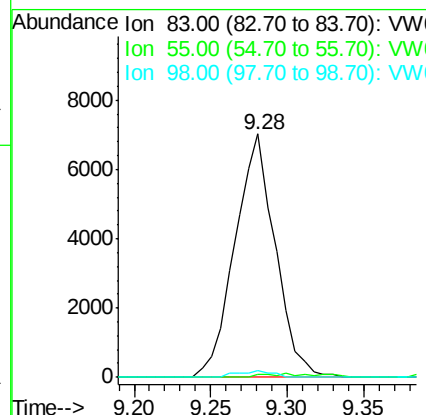
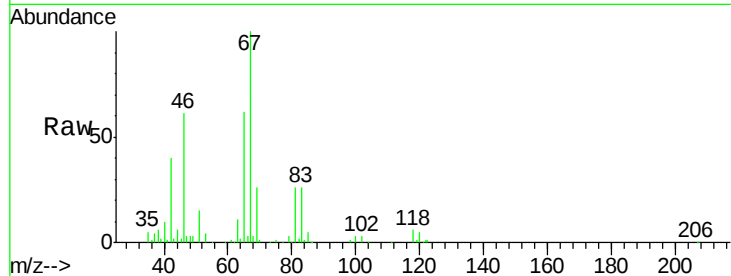




#36  
Methylcyclohexane  
Concen: 4.714 ug/L  
RT: 9.28 min Scan# 1262  
Delta R.T. -0.06 min  
Lab File: VW003351.D  
Acq: 20 Jun 2018 14:40

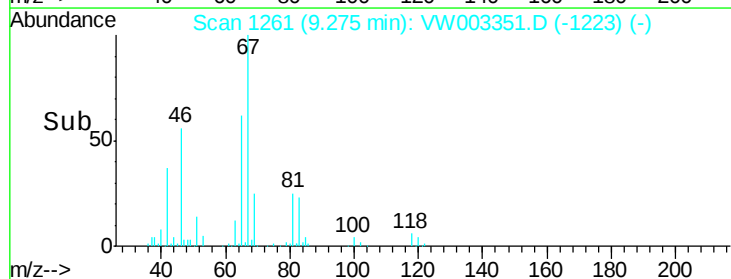
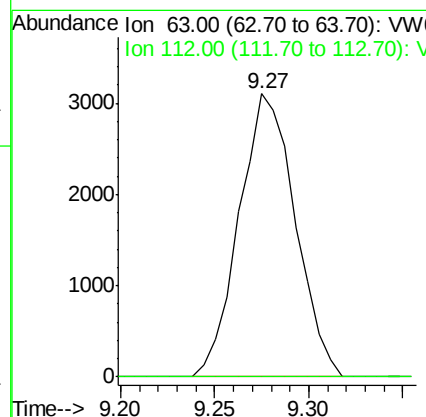
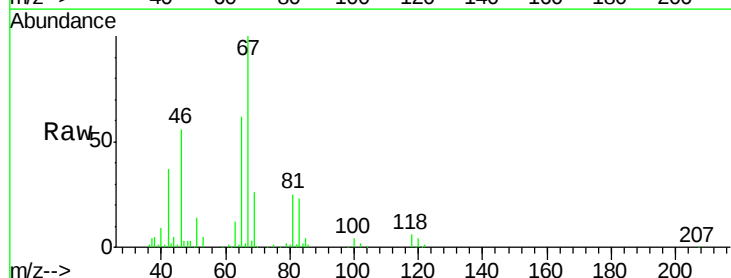
Instrument :  
MSVOA\_W  
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DAXS0

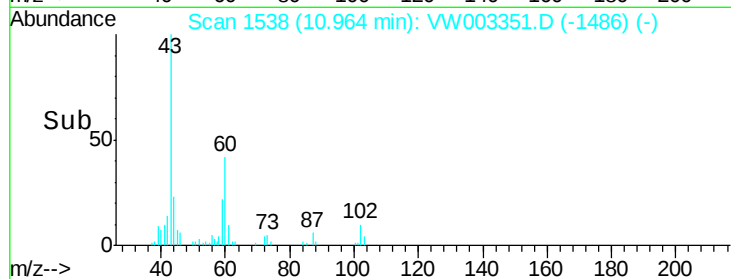
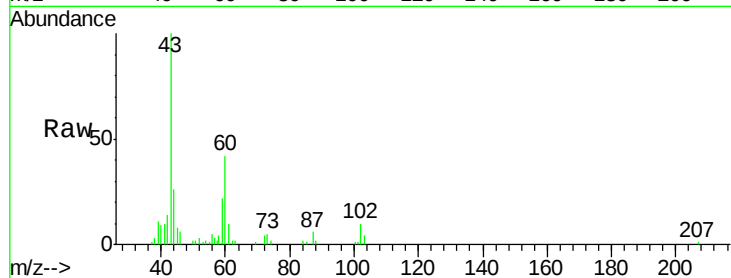
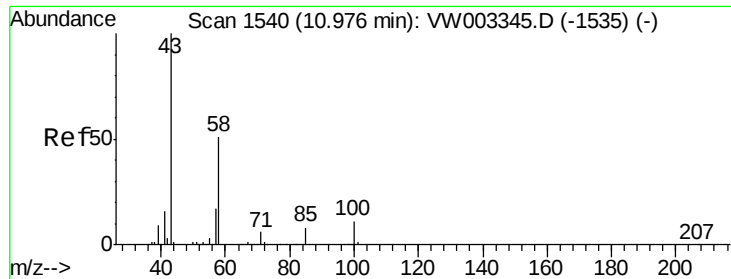
Tgt Ion: 83 Resp: 12861  
Ion Ratio Lower Upper  
83 100  
55 0.6 63.9 95.9#  
98 1.5 37.1 55.7#



#40  
1,2-Dichloropropane  
Concen: 4.099 ug/L  
RT: 9.27 min Scan# 1261  
Delta R.T. -0.10 min  
Lab File: VW003351.D  
Acq: 20 Jun 2018 14:40

Tgt Ion: 63 Resp: 6396  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.4 5.0#





#49

2-Hexanone

Concen: 12.922 ug/L

RT: 10.96 min Scan# 1538

Delta R.T. -0.01 min

Lab File: VW003351.D

Acq: 20 Jun 2018 14:40

Instrument :

MSVOA\_W

ClientSampleId :

DAXS0

Tgt Ion: 43 Resp: 10734

Ion Ratio Lower Upper

43 100

58 0.0 40.4 60.6#

57 2.7 14.6 21.8#

100 0.4 8.6 12.8#

