

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100118\  
 Data File : VW005758.D  
 Acq On : 02 Oct 2018 02:22  
 Operator : SY/AP  
 Sample : J5181-05  
 Misc : 5.76G/105ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Oct 02 07:20:53 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM092818S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Oct 02 07:19:35 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 247475   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 209636   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 78547    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 42375    | 13.43    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 53.72%  |
| 7) Chloroethane-d5             | 2.90   | 69    | 37585    | 15.27    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 61.08%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 74838    | 10.86    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 43.44%# |
| 20) 2-Butanone-d5              | 7.09   | 46    | 21050    | 20.78    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 41.56%  |
| 24) Chloroform-d               | 7.65   | 84    | 131450   | 20.68    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 82.72%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 77601    | 20.15    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 80.60%  |
| 29) Benzene-d6                 | 8.28   | 84    | 225147   | 21.70    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 86.80%  |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 76078    | 25.36    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 101.44% |
| 37) Toluene-d8                 | 10.33  | 98    | 185688   | 18.12    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 72.48%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 26688    | 16.94    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 67.76%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 15142    | 21.56    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 43.12%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 54124    | 18.58    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 74.32%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 49191    | 17.70    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 70.80%# |

## Target Compounds

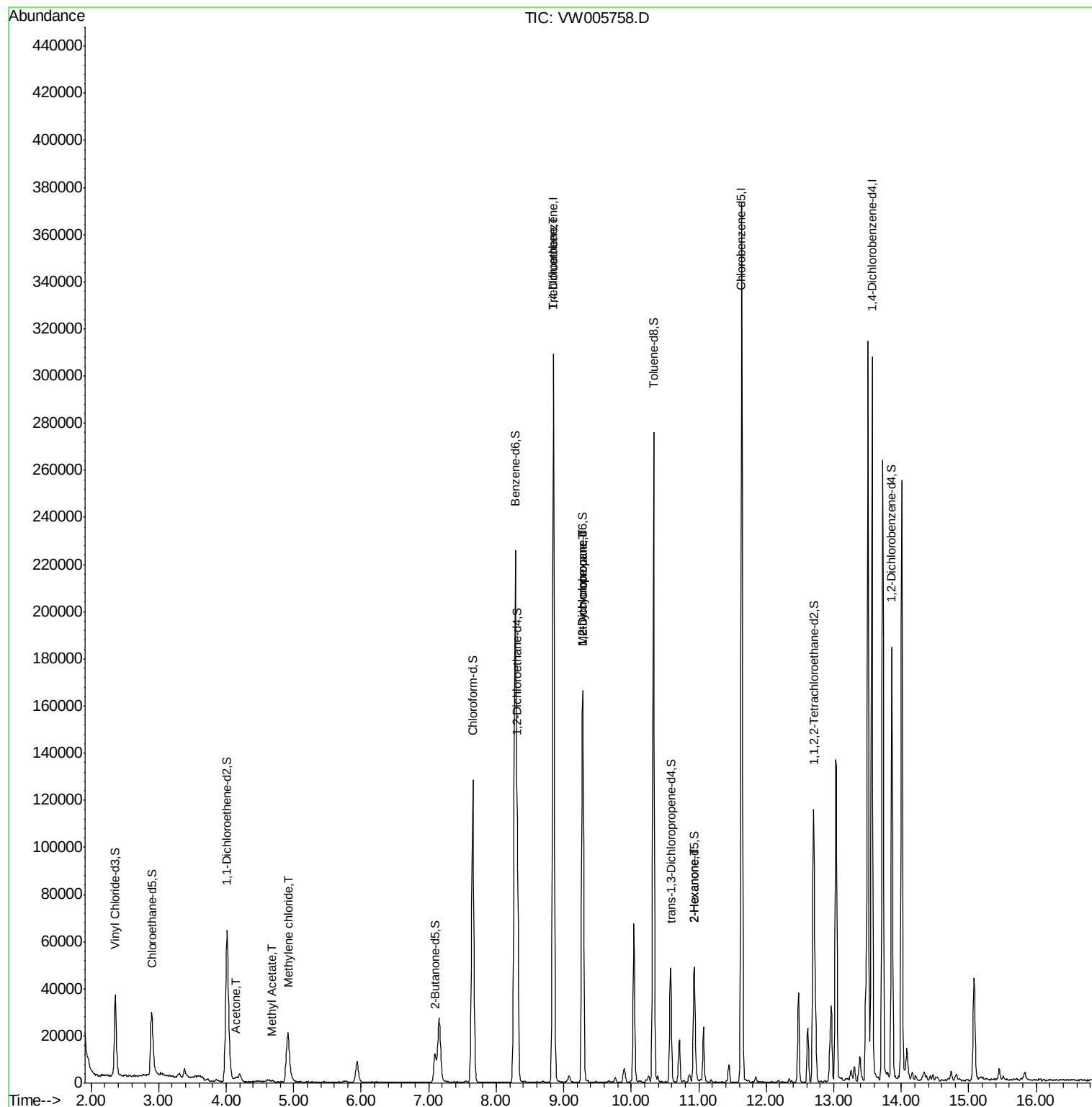
|                         |       |    |       |              | Ovalue |
|-------------------------|-------|----|-------|--------------|--------|
| 13) Acetone             | 4.14  | 43 | 1513  | 1.435 ug/L # | 54     |
| 15) Methyl Acetate      | 4.68  | 43 | 1212  | 0.648 ug/L # | 71     |
| 16) Methylene chloride  | 4.92  | 84 | 17209 | 4.217 ug/L   | 88     |
| 35) Trichloroethene     | 8.85  | 95 | 7499  | 2.366 ug/L # | 5      |
| 36) Methylcyclohexane   | 9.27  | 83 | 18643 | 3.383 ug/L # | 19     |
| 40) 1,2-Dichloropropane | 9.28  | 63 | 8983  | 3.112 ug/L # | 88     |
| 49) 2-Hexanone          | 10.94 | 43 | 2287  | 1.383 ug/L # | 52     |

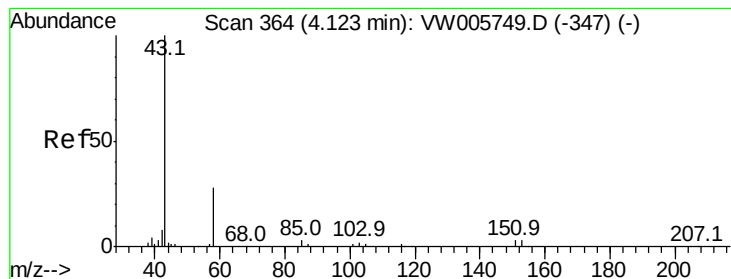
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : J5181-05  
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ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :

Quant Time: Oct 02 07:20:53 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM092818S.M  
Quant Title : VOC Analysis  
QLast Update : Tue Oct 02 07:19:35 2018  
Response via : Initial Calibration





#13

Acetone

Concen: 1.435 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW005758.D

Acq: 02 Oct 2018 02:22

Instrument :

MSVOA\_W

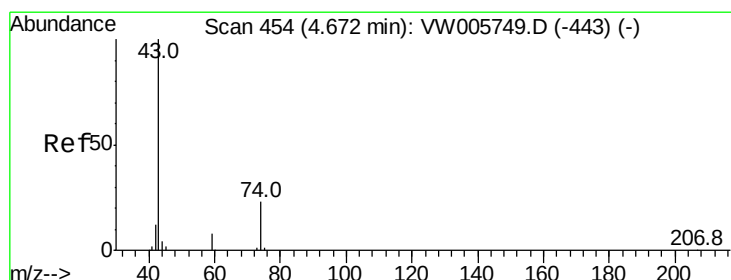
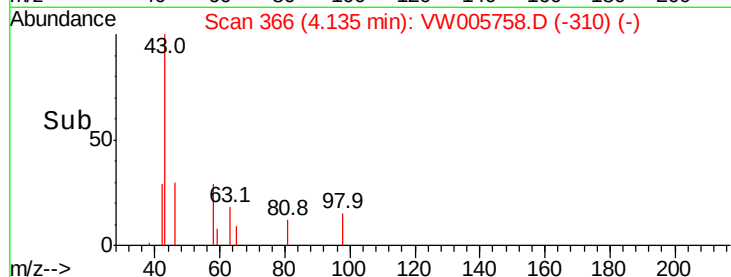
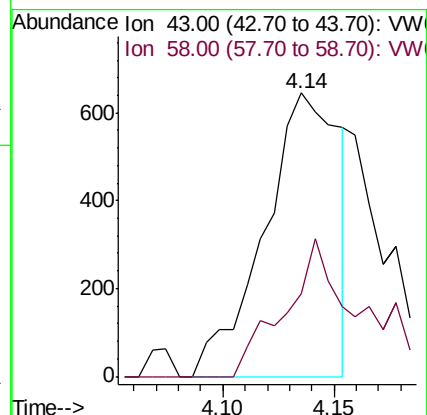
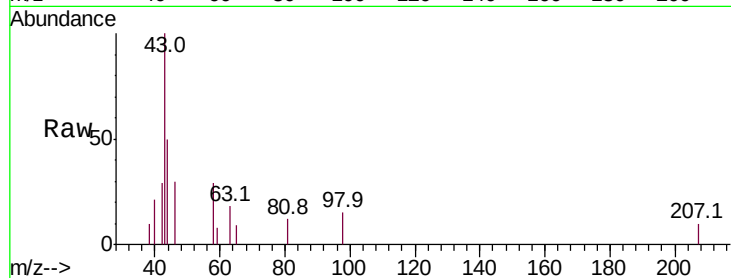
ClientSampleId :

Tot Ion: 43 Resp: 1513

Ion Ratio Lower Upper

43 100

58 35.4 0.0 31.8#



#15

Methyl Acetate

Concen: 0.648 ug/L

RT: 4.68 min Scan# 456

Delta R.T. 0.01 min

Lab File: VW005758.D

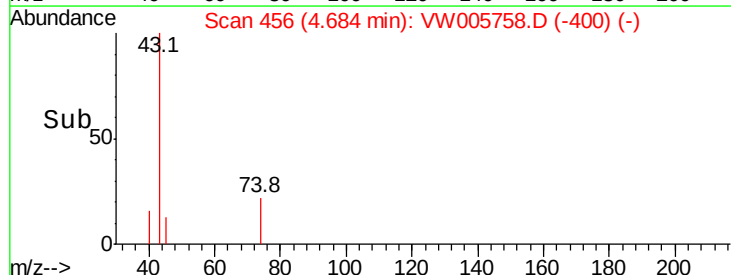
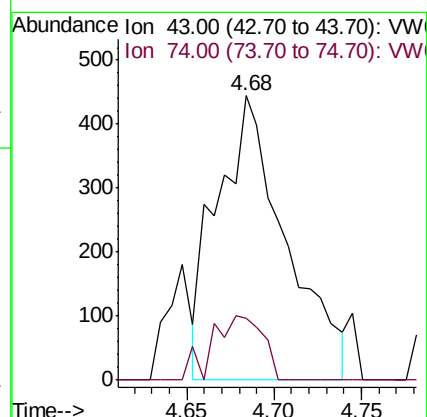
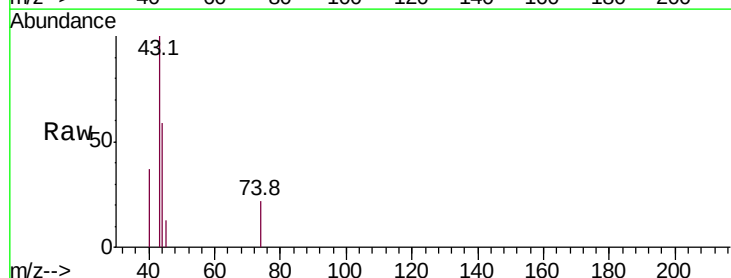
Acq: 02 Oct 2018 02:22

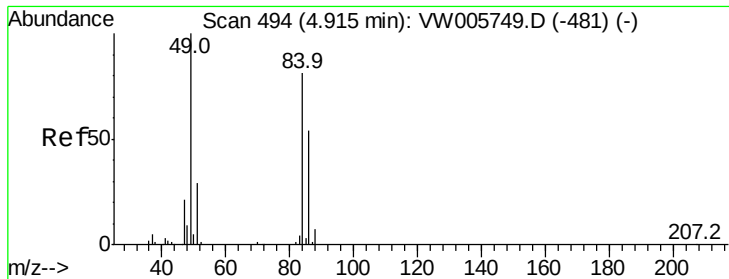
Tgt Ion: 43 Resp: 1212

Ion Ratio Lower Upper

43 100

74 10.2 19.5 29.3#

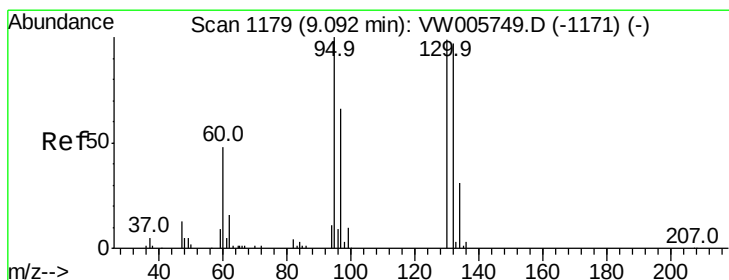
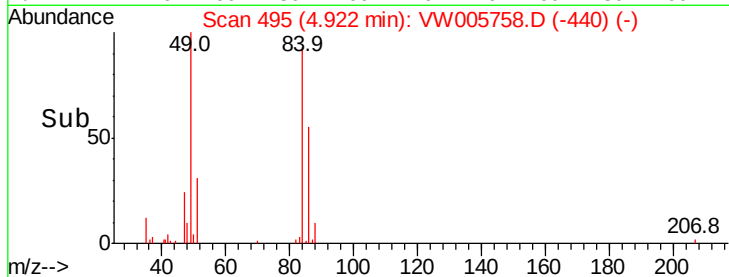
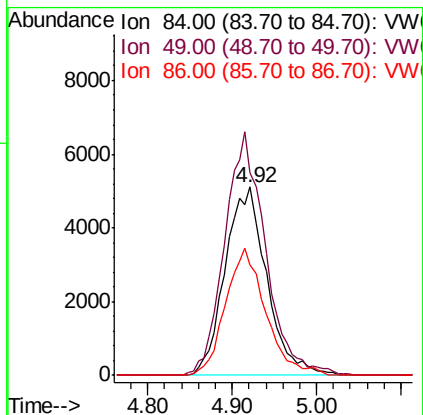
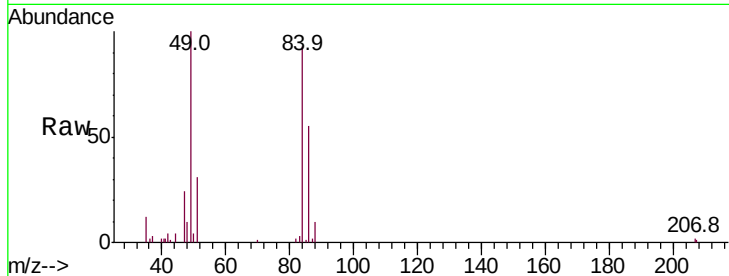




#16  
Methylene chloride  
Concen: 4.217 ug/L  
RT: 4.92 min Scan# 495  
Delta R.T. 0.01 min  
Lab File: VW005758.D  
Acq: 02 Oct 2018 02:22

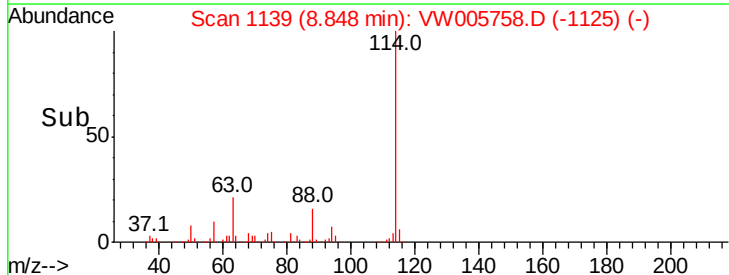
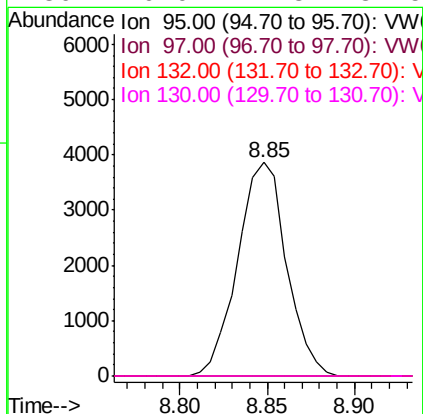
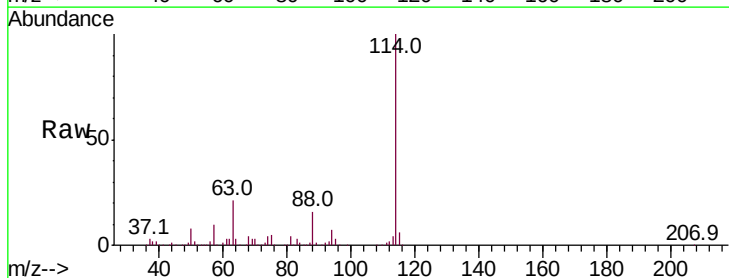
Instrument :  
MSVOA\_W  
ClientSampleId :

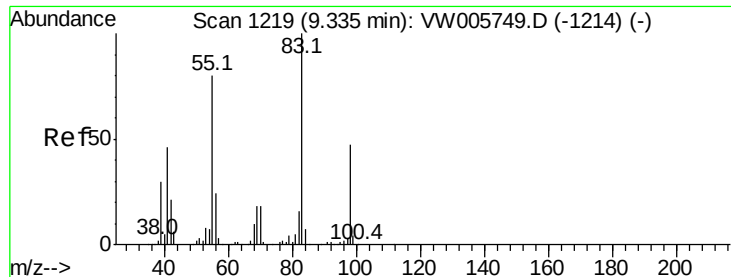
Tot Ion: 84 Resp: 17209  
Ion Ratio Lower Upper  
84 100  
49 107.2 87.2 162.0  
86 58.6 43.2 80.2



#35  
Trichloroethene  
Concen: 2.366 ug/L  
RT: 8.85 min Scan# 1139  
Delta R.T. -0.24 min  
Lab File: VW005758.D  
Acq: 02 Oct 2018 02:22

Tgt Ion: 95 Resp: 7499  
Ion Ratio Lower Upper  
95 100  
97 0.0 45.2 84.0#  
132 0.0 68.0 126.4#  
130 0.0 71.3 132.5#

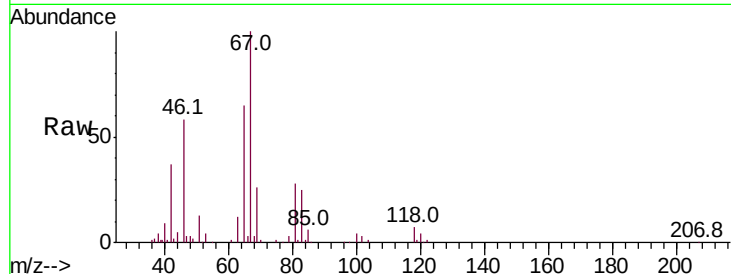




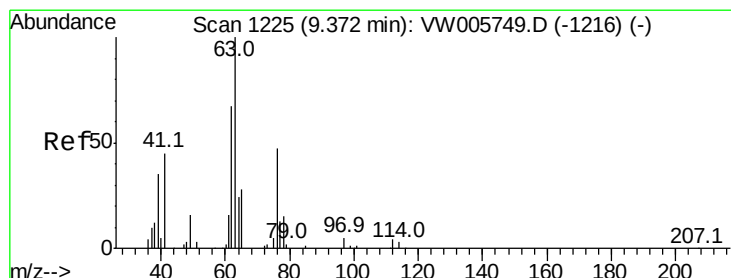
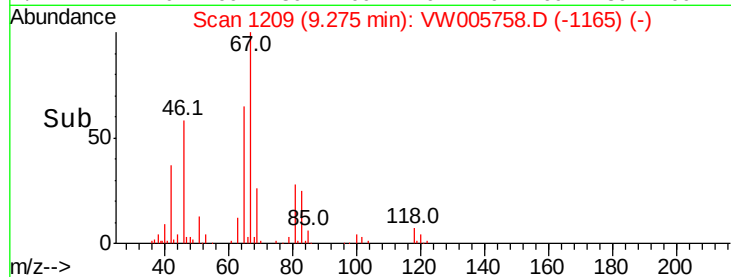
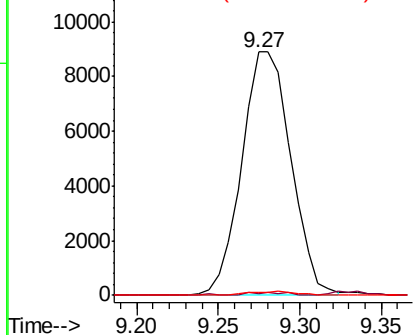
#36  
Methylvlcyclohexane  
Concen: 3.383 ug/L  
RT: 9.27 min Scan# 1209  
Delta R.T. -0.06 min  
Lab File: VW005758.D  
Acq: 02 Oct 2018 02:22

Instrument :  
MSVOA\_W  
ClientSampleId :

Tot Ion: 83 Resp: 18643  
Ion Ratio Lower Upper  
83 100  
55 0.6 62.5 93.7#  
98 1.0 37.7 56.5#

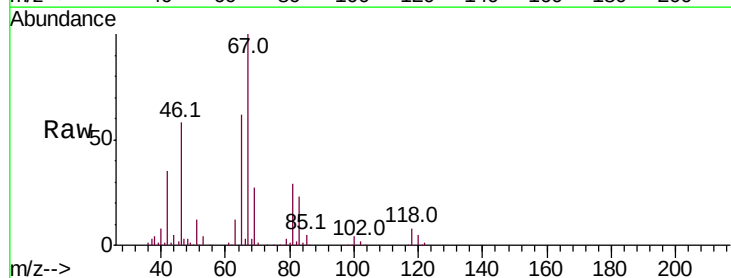


Abundance Ion 83.00 (82.70 to 83.70): VW  
Ion 55.00 (54.70 to 55.70): VW  
Ion 98.00 (97.70 to 98.70): VW

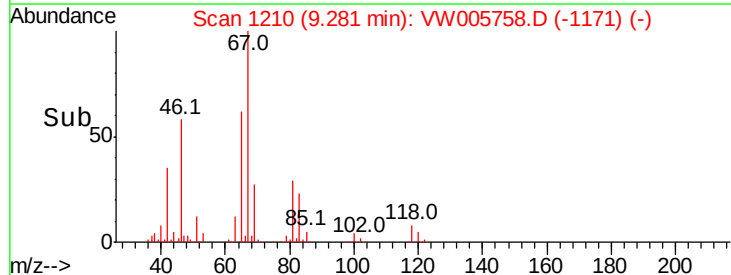
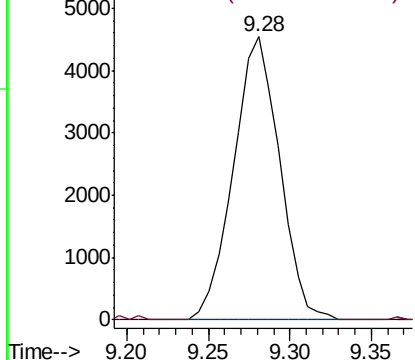


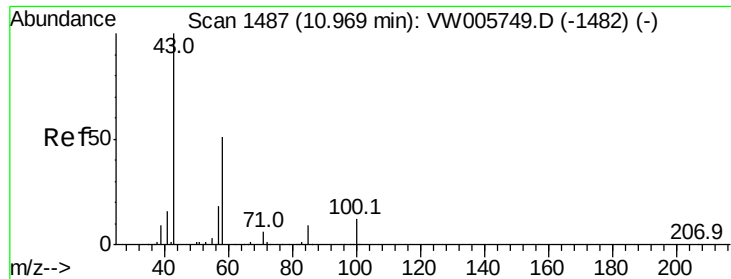
#40  
1,2-Dichloropropane  
Concen: 3.112 ug/L  
RT: 9.28 min Scan# 1210  
Delta R.T. -0.09 min  
Lab File: VW005758.D  
Acq: 02 Oct 2018 02:22

Tgt Ion: 63 Resp: 8983  
Ion Ratio Lower Upper  
63 100  
112 0.3 3.4 5.2#



Abundance Ion 63.00 (62.70 to 63.70): VW  
Ion 112.00 (111.70 to 112.70): V





#49  
 2-Hexanone  
 Concen: 1.383 ug/L  
 RT: 10.94 min Scan# 1482  
 Delta R.T. -0.03 min  
 Lab File: VW005758.D  
 Acq: 02 Oct 2018 02:22

Instrument :  
 MSVOA\_W  
 ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 2287  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 14.6  | 42.0  | 63.0# |
| 57       | 0.0   | 15.7  | 23.5# |
| 100      | 0.0   | 9.7   | 14.5# |

