

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041919\  
 Data File : VW010072.D  
 Acq On : 19 Apr 2019 18:37  
 Operator : SY/VA  
 Sample : K2455-21  
 Misc : 5.10G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Apr 20 03:54:47 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM041519S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Apr 20 03:50:46 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 49424    | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.81 | 117  | 183      | 25.00 | ug/L  | 0.18     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 21261    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |            |
|--------------------------------|--------|-------|----------|----------|------|------------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 11118    | 23.80    | ug/L | 0.00       |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 95.20%     |
| 7) Chloroethane-d5             | 2.88   | 69    | 13540    | 28.62    | ug/L | 0.00       |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 114.48%    |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 24765    | 19.12    | ug/L | 0.00       |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 76.48%     |
| 20) 2-Butanone-d5              | 7.07   | 46    | 5687     | 22.51    | ug/L | 0.00       |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 45.02%     |
| 24) Chloroform-d               | 7.65   | 84    | 33781    | 23.64    | ug/L | 0.00       |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 94.56%     |
| 26) 1,2-Dichloroethane-d4      | 8.50   | 65    | 105      | 0.12     | ug/L | 0.20       |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 0.48%#     |
| 29) Benzene-d6                 | 8.27   | 84    | 64453    | 6409.01  | ug/L | 0.00       |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 25636.04%# |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 22707    | 7088.44  | ug/L | 0.00       |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 28353.76%# |
| 37) Toluene-d8                 | 10.32  | 98    | 58643    | 6391.59  | ug/L | 0.00       |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 25566.36%# |
| 38) trans-1,3-Dichloropropene- | 10.59  | 79    | 9094     | 5987.90  | ug/L | 0.01       |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 23951.60%# |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 8289     | 11678.04 | ug/L | 0.00       |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 23356.08%# |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 17482    | 5834.44  | ug/L | 0.00       |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 23337.76%# |
| 61) 1,2-Dichlorobenzene-d4     | 13.56  | 152   | 19583    | 24.50    | ug/L | -0.30      |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 98.00%     |

## Target Compounds

| Target Compounds              | R.T.  | QIon | Response | Conc    | Units  | Ovalue |
|-------------------------------|-------|------|----------|---------|--------|--------|
| 8) Chloroethane               | 2.64  | 64   | 472      | 1.106   | ug/L   | 97     |
| 13) Acetone                   | 4.12  | 43   | 1497     | 6.663   | ug/L   | 96     |
| 15) Methyl Acetate            | 4.67  | 43   | 1275     | 2.812   | ug/L   | 97     |
| 16) Methylene chloride        | 4.92  | 84   | 8681     | 9.700   | ug/L   | 93     |
| 30) Cyclohexane               | 7.99  | 56   | 84       | 20.310  | ug/L # | 27     |
| 31) 1,1,1-Trichloroethane     | 7.98  | 97   | 44       | 11.513  | ug/L # | 23     |
| 32) Carbon tetrachloride      | 8.14  | 117  | 85       | 22.652  | ug/L   | 93     |
| 34) Benzene                   | 8.31  | 78   | 211      | 19.573  | ug/L   | 100    |
| 35) Trichloroethene           | 9.09  | 95   | 160      | 57.082  | ug/L # | 37     |
| 36) Methylcyclohexane         | 9.35  | 83   | 305      | 67.726  | ug/L # | 35     |
| 40) 1,2-Dichloropropane       | 9.35  | 63   | 126      | 44.194  | ug/L # | 87     |
| 41) Bromodichloromethane      | 9.65  | 83   | 79       | 20.296  | ug/L # | 10     |
| 42) cis-1,3-Dichloropropene   | 10.09 | 75   | 67       | 15.243  | ug/L # | 1      |
| 43) 4-Methyl-2-pentanone      | 10.20 | 43   | 144      | 61.325  | ug/L # | 47     |
| 44) Toluene                   | 10.38 | 91   | 9430     | 824.532 | ug/L   | 98     |
| 45) trans-1,3-Dichloropropene | 10.57 | 75   | 384      | 98.940  | ug/L # | 1      |
| 46) 1,1,2-Trichloroethane     | 10.78 | 97   | 64       | 28.783  | ug/L # | 73     |

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 MSVOA\_W  
 ClientSampleId :

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 Quant Title : VOC Analysis  
 QLast Update : Sat Apr 20 03:50:46 2019  
 Response via : Initial Calibration

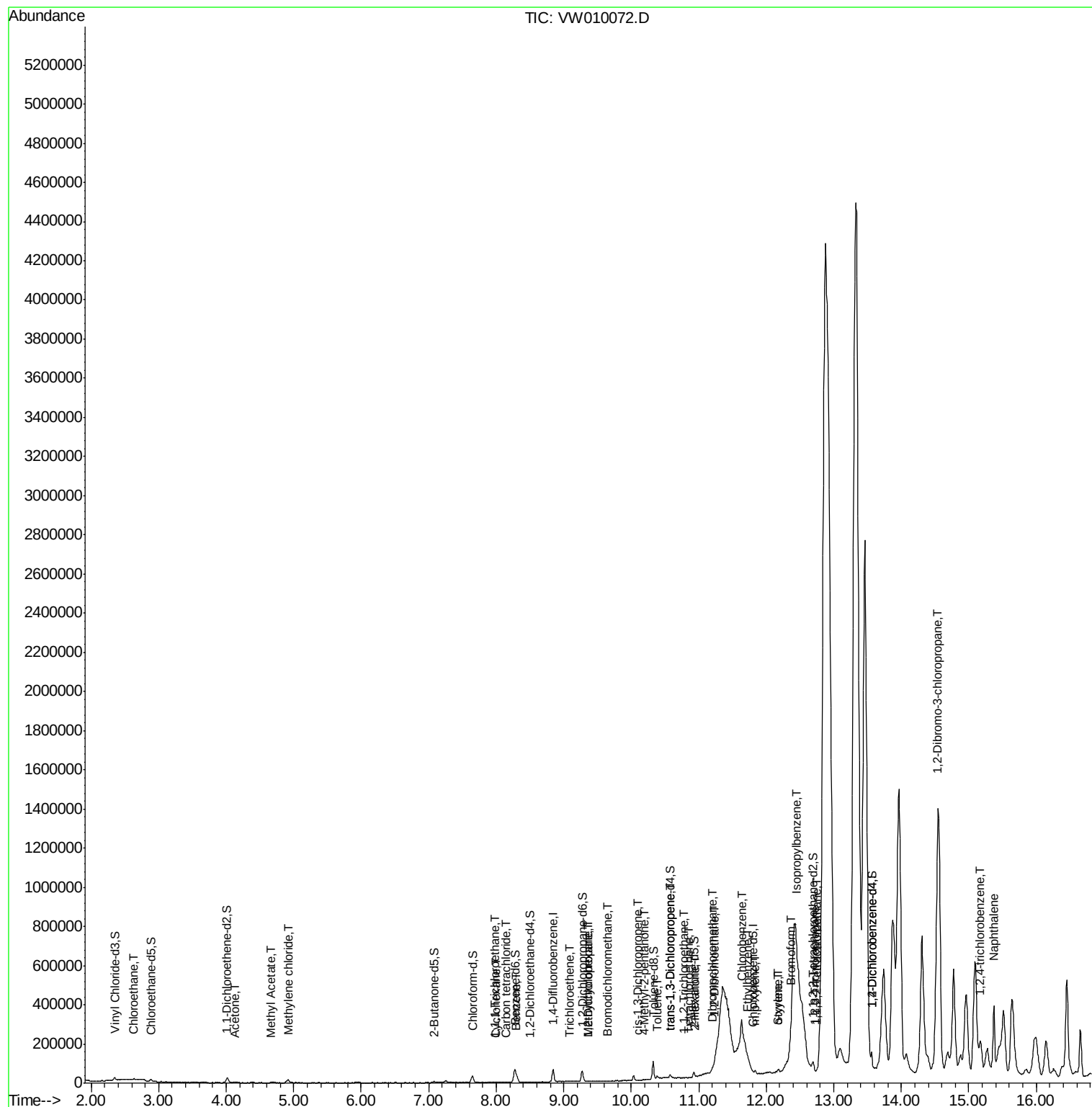
| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 47) Tetrachloroethene          | 10.85 | 164  | 104      | 47.499  | ug/L # | 1        |
| 49) 2-Hexanone                 | 10.95 | 43   | 433      | 259.567 | ug/L # | 48       |
| 50) Dibromochloromethane       | 11.20 | 129  | 249      | 94.342  | ug/L   | 84       |
| 51) 1,2-Dibromoethane          | 11.23 | 107  | 175      | 80.404  | ug/L # | 91       |
| 52) Chlorobenzene              | 11.65 | 112  | 501      | 67.133  | ug/L # | 1        |
| 53) Ethylbenzene               | 11.73 | 91   | 1056     | 82.610  | ug/L   | 85       |
| 54) m,p-Xylene                 | 11.84 | 106  | 2820     | 603.115 | ug/L   | 85       |
| 55) o-xylene                   | 12.17 | 106  | 1960     | 437.058 | ug/L   | 72       |
| 56) Styrene                    | 12.18 | 104  | 5500     | 700.580 | ug/L   | 98       |
| 57) Isopropylbenzene           | 12.45 | 105  | 470      | 39.348  | ug/L # | 75       |
| 58) 1,1,2,2-Tetrachloroethane  | 12.74 | 83   | 500      | 170.936 | ug/L # | 14       |
| 59) 1,2,3-Trichloropropane     | 12.72 | 75   | 155      | 70.808  | ug/L # | 1        |
| 62) Bromoform                  | 12.35 | 173  | 166      | 0.445   | ug/L # | 1        |
| 66) 1,2-Dibromo-3-chloropropan | 14.54 | 75   | 91927    | 720.715 | ug/L # | 13       |
| 68) 1,2,4-trichlorobenzene     | 15.16 | 180  | 2216     | 2.875   | ug/L # | 1        |
| 69) Naphthalene                | 15.37 | 128  | 257787   | 155.827 | ug/L   | 99       |

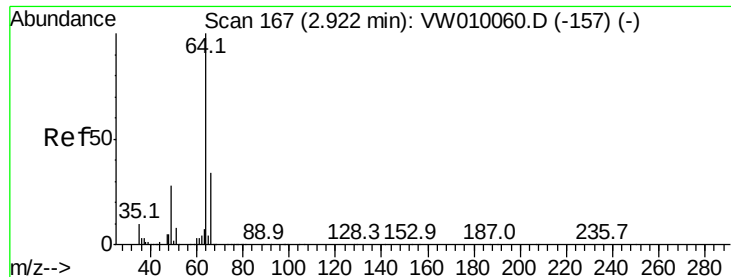
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Sat Apr 20 03:50:46 2019  
Response via : Initial Calibration





#8

Chloroethane

Concen: 1.106 ug/L

RT: 2.64 min Scan# 120

Delta R.T. -0.29 min

Lab File: VW010072.D

Acq: 19 Apr 2019 18:37

Instrument :

MSVOA\_W

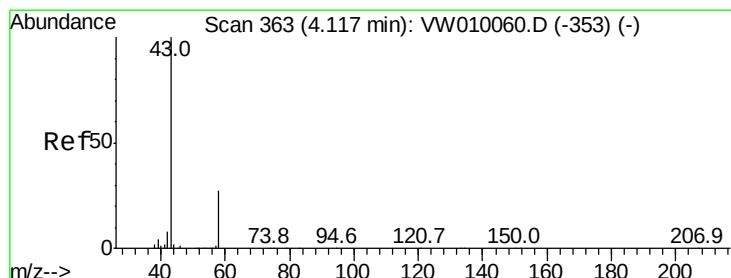
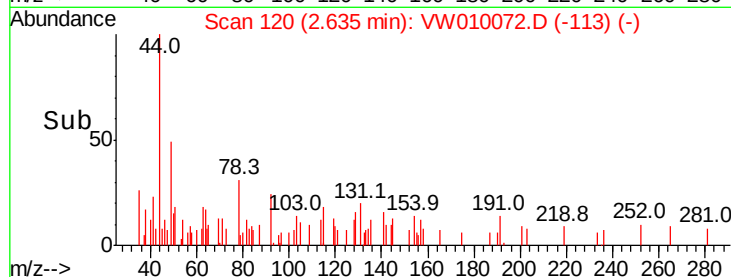
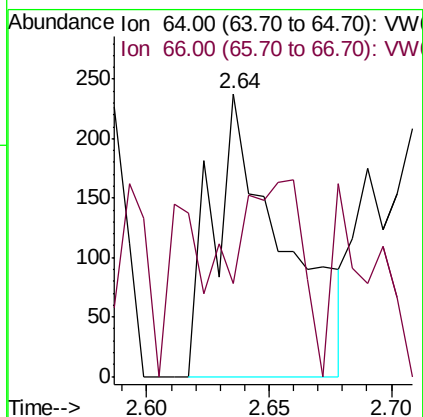
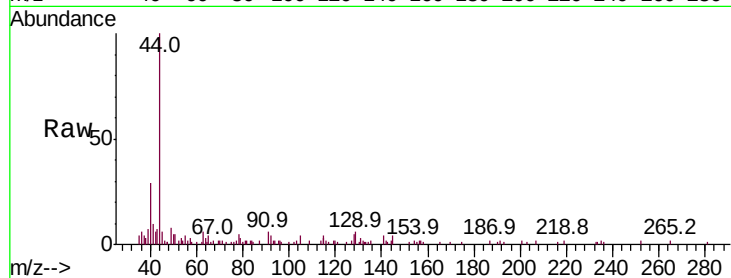
ClientSampleId :

Tot Ion: 64 Resp: 472

Ion Ratio Lower Upper

64 100

66 32.8 21.7 40.3



#13

Acetone

Concen: 6.663 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW010072.D

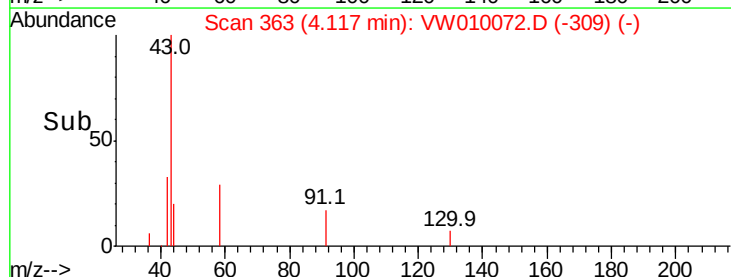
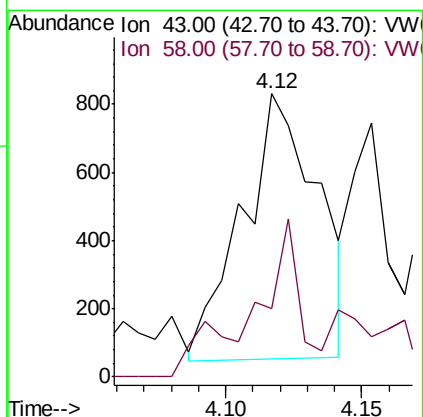
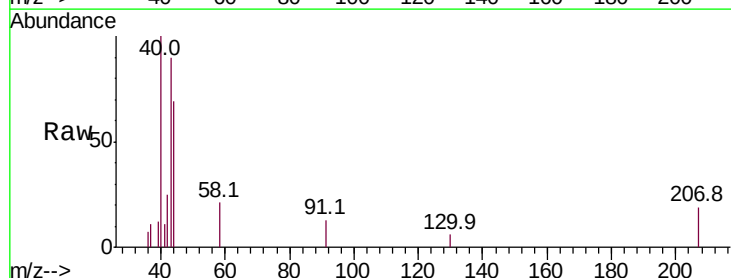
Acq: 19 Apr 2019 18:37

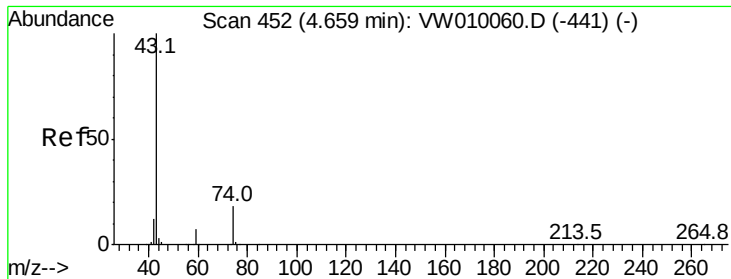
Tgt Ion: 43 Resp: 1497

Ion Ratio Lower Upper

43 100

58 25.9 0.0 56.2

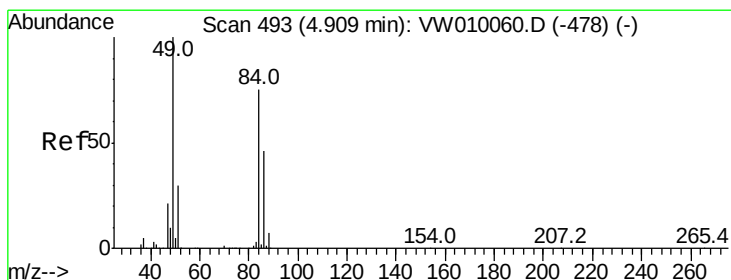
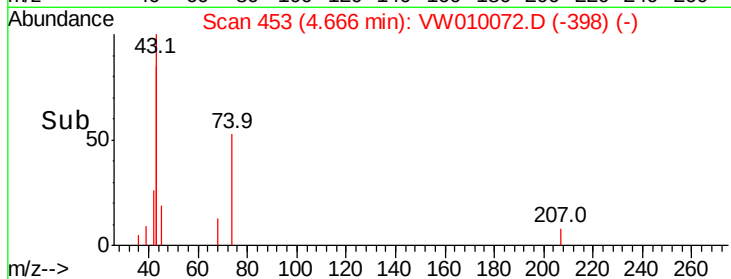
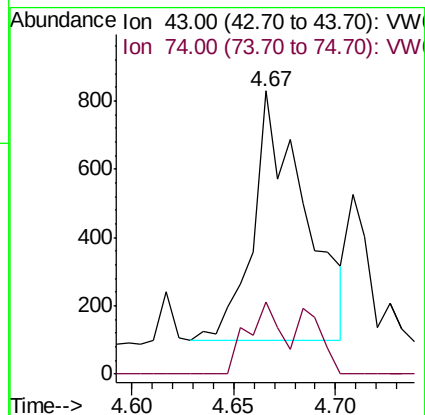
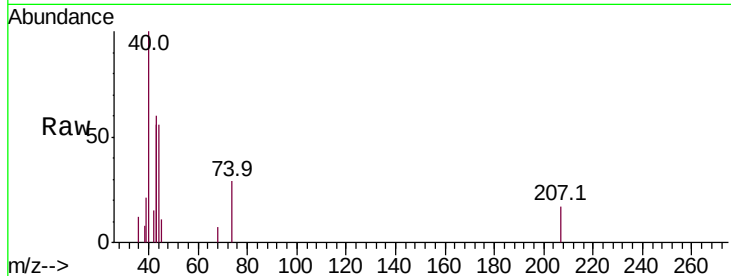




#15  
Methyl Acetate  
Concen: 2.812 ug/L  
RT: 4.67 min Scan# 453  
Delta R.T. 0.01 min  
Lab File: VW010072.D  
Acq: 19 Apr 2019 18:37

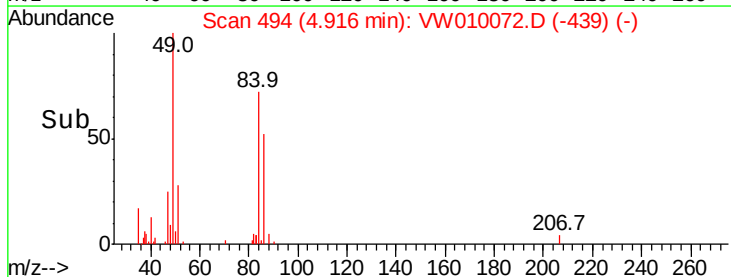
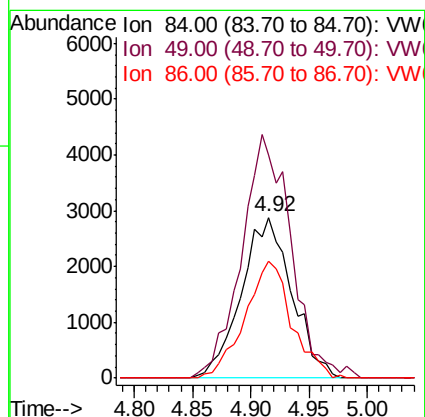
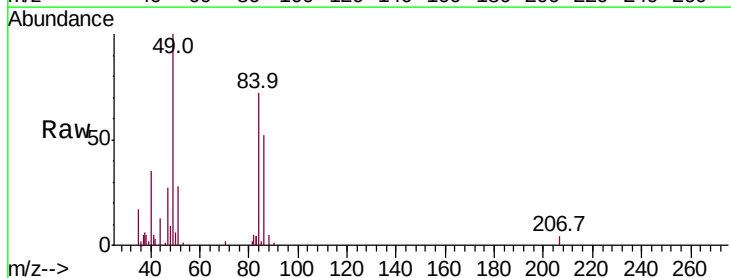
Instrument :  
MSVOA\_W  
ClientSampled :

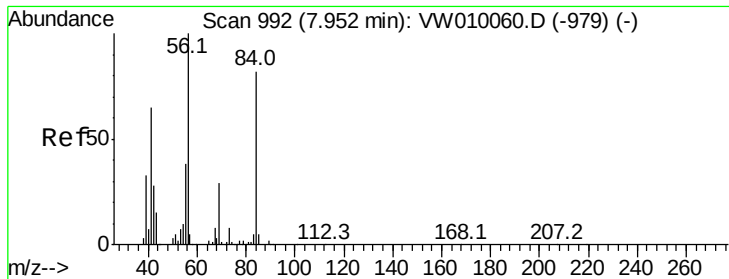
Tot Ion: 43 Resp: 1275  
Ion Ratio Lower Upper  
43 100  
74 19.1 16.2 24.4



#16  
Methylene chloride  
Concen: 9.700 ug/L  
RT: 4.92 min Scan# 494  
Delta R.T. 0.01 min  
Lab File: VW010072.D  
Acq: 19 Apr 2019 18:37

Tgt Ion: 84 Resp: 8681  
Ion Ratio Lower Upper  
84 100  
49 138.5 100.7 187.1  
86 72.6 43.8 81.3

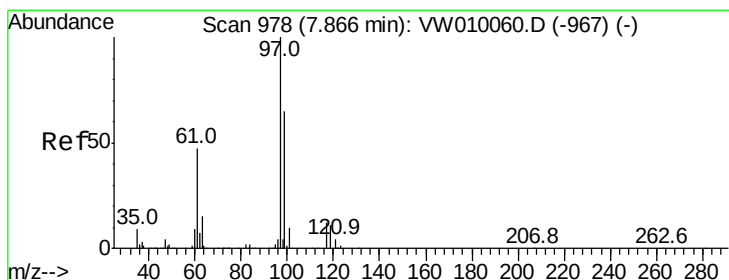
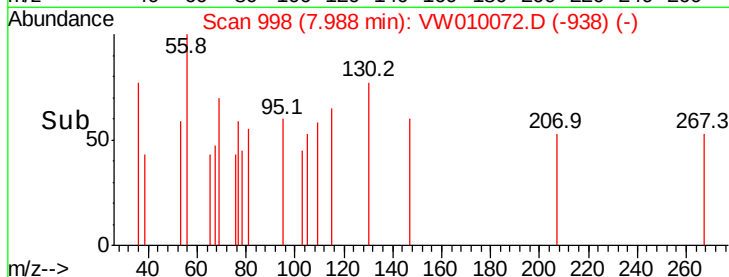
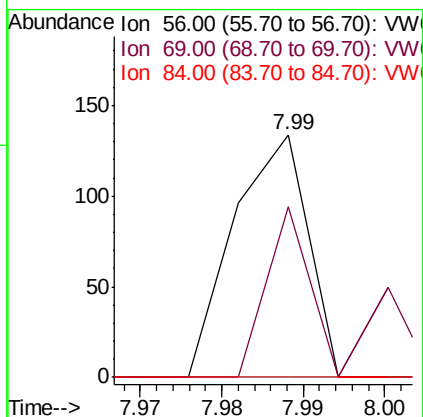
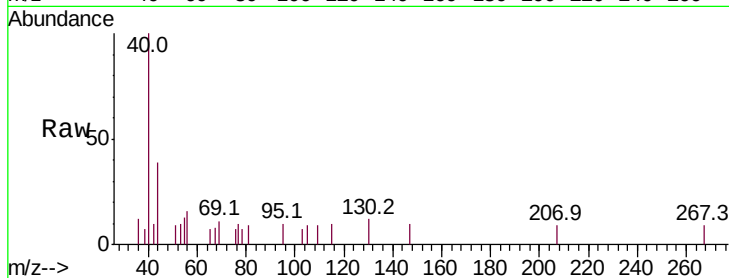




#30  
Cyclohexane  
Concen: 20.310 ug/L  
RT: 7.99 min Scan# 998  
Delta R.T. 0.04 min  
Lab File: VW010072.D  
Acq: 19 Apr 2019 18:37

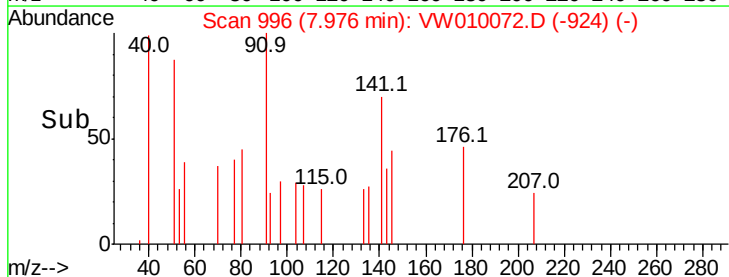
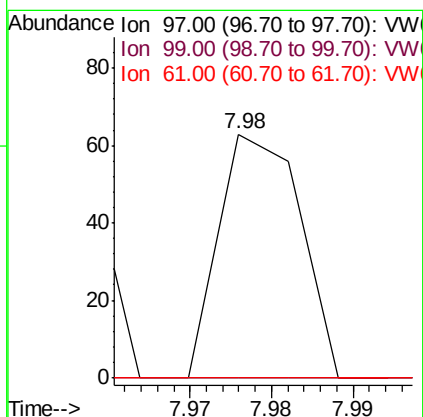
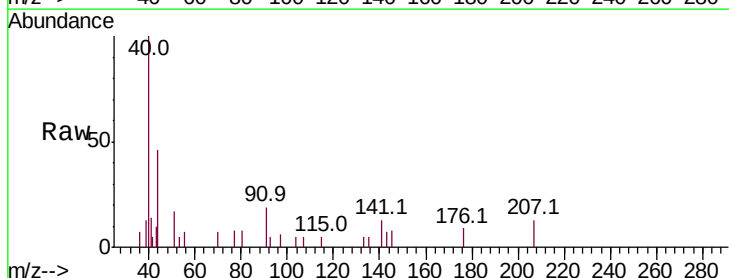
Instrument :  
MSVOA\_W  
ClientSampled :

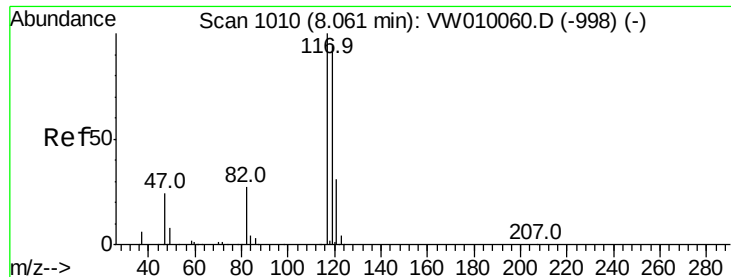
Tot Ion: 56 Resp: 84  
Ion Ratio Lower Upper  
56 100  
69 40.5 23.4 35.0#  
84 0.0 65.5 98.3#



#31  
1,1,1-Trichloroethane  
Concen: 11.513 ug/L  
RT: 7.98 min Scan# 996  
Delta R.T. 0.11 min  
Lab File: VW010072.D  
Acq: 19 Apr 2019 18:37

Tgt Ion: 97 Resp: 44  
Ion Ratio Lower Upper  
97 100  
99 0.0 50.8 76.2#  
61 0.0 39.3 58.9#





#32

Carbon tetrachloride

Concen: 22.652 ug/L

RT: 8.14 min Scan# 1023

Delta R.T. 0.08 min

Lab File: VW010072.D

Acq: 19 Apr 2019 18:37

Instrument :

MSVOA\_W

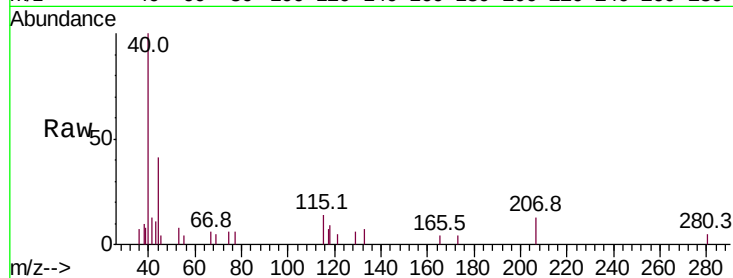
ClientSampled :

Tot Ion:117 Resp: 85

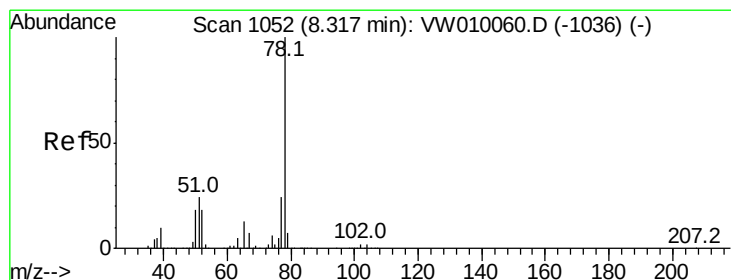
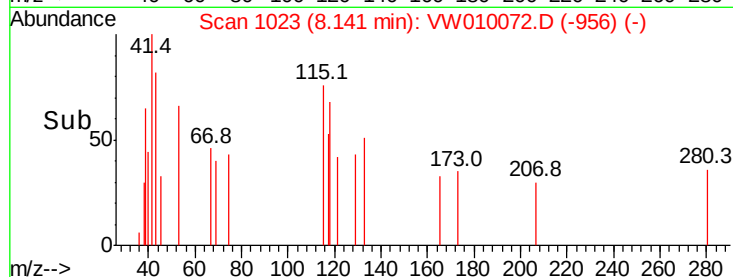
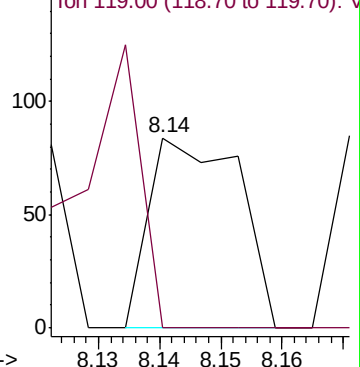
Ion Ratio Lower Upper

117 100

119 102.4 76.8 115.2



Abundance Ion 117.00 (116.70 to 117.70): V



#34

Benzene

Concen: 19.573 ug/L

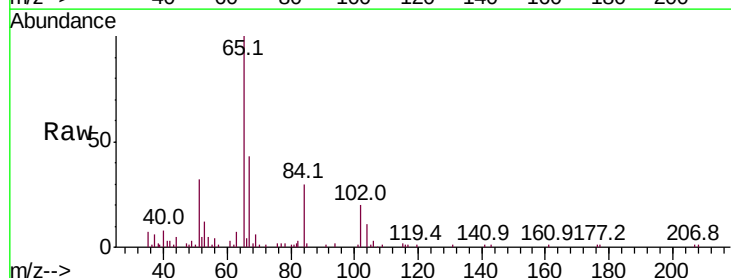
RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

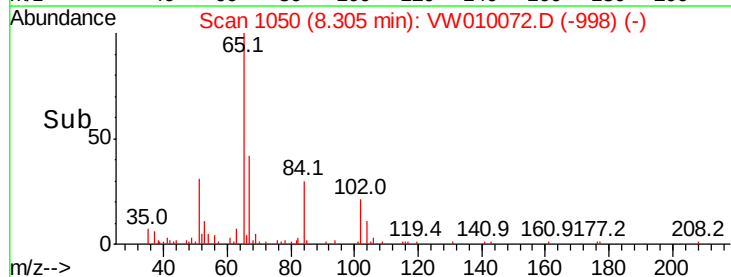
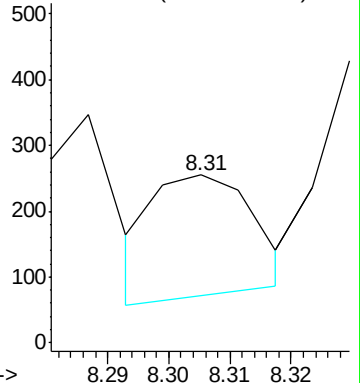
Lab File: VW010072.D

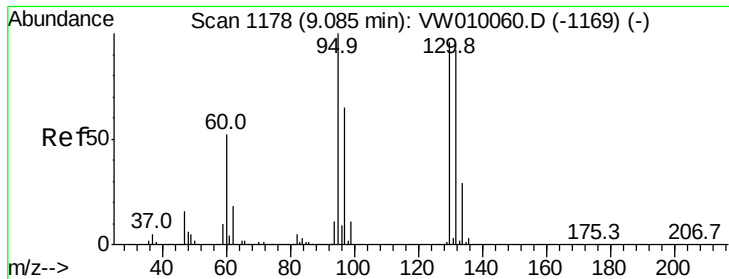
Acq: 19 Apr 2019 18:37

Tgt Ion: 78 Resp: 211



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 57.082 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VW010072.D

Acq: 19 Apr 2019 18:37

Instrument :

MSVOA\_W

ClientSampleId :

Tot Ion: 95 Resp: 160

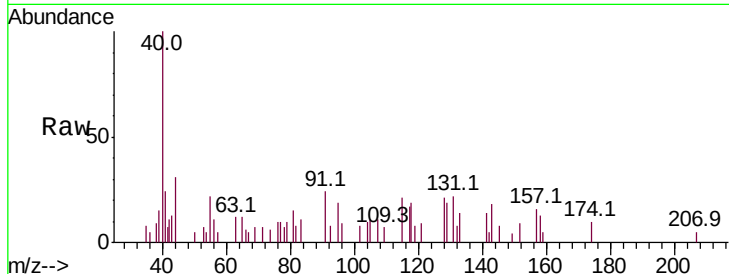
Ion Ratio Lower Upper

95 100

97 24.4 45.3 84.1#

132 62.5 65.6 121.8#

130 0.0 68.5 127.3#

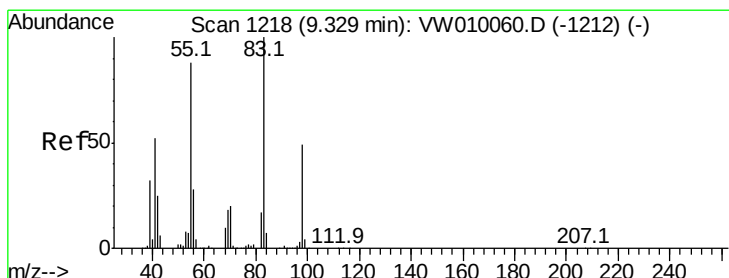
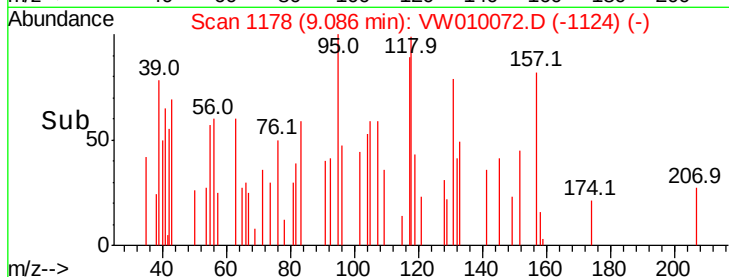
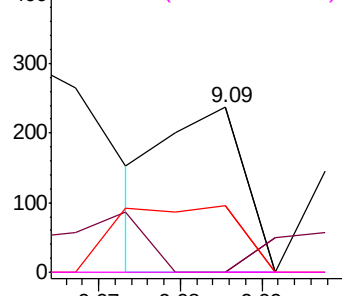


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 67.726 ug/L

RT: 9.35 min Scan# 1221

Delta R.T. 0.02 min

Lab File: VW010072.D

Acq: 19 Apr 2019 18:37

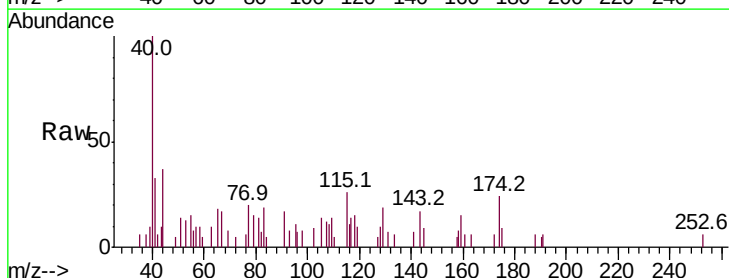
Tgt Ion: 83 Resp: 305

Ion Ratio Lower Upper

83 100

55 16.1 68.4 102.6#

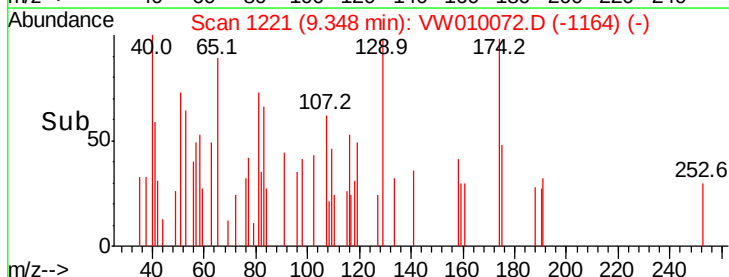
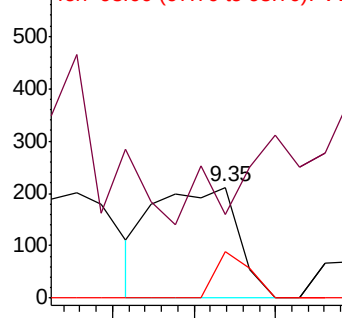
98 17.7 40.0 60.0#



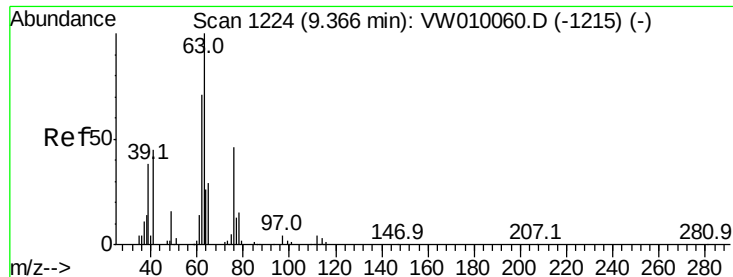
Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW







#40

1,2-Dichloropropane

Concen: 44.194 ug/L

RT: 9.35 min Scan# 1221

Delta R.T. -0.02 min

Lab File: VW010072.D

Acq: 19 Apr 2019 18:37

Instrument :

MSVOA\_W

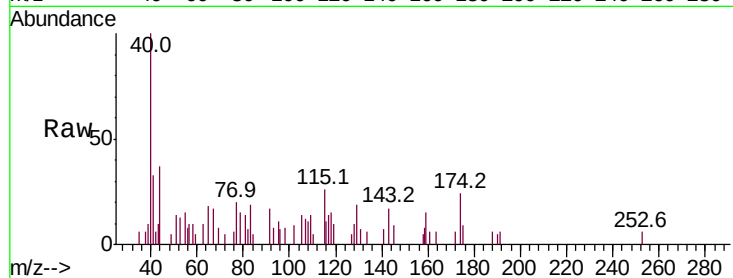
ClientSampled :

Tot Ion: 63 Resp: 126

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.2#



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V

300

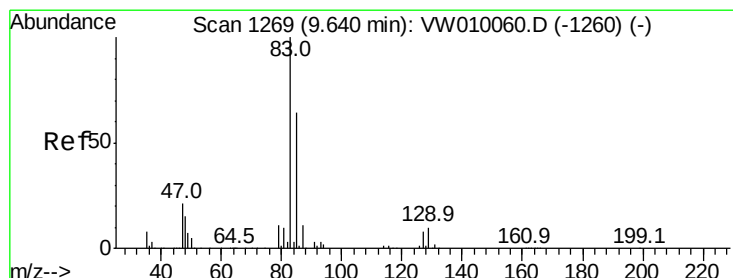
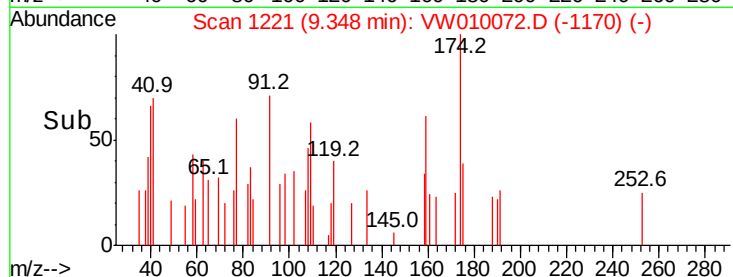
200

100

0

9.34 9.35 9.36

Time-->



#41

Bromodichloromethane

Concen: 20.296 ug/L

RT: 9.65 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VW010072.D

Acq: 19 Apr 2019 18:37

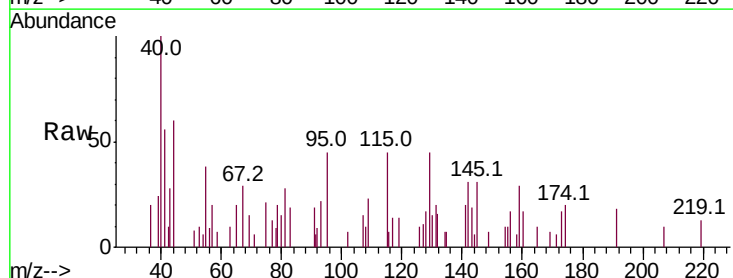
Tgt Ion: 83 Resp: 79

Ion Ratio Lower Upper

83 100

85 0.0 45.1 83.9#

127 61.0 6.1 9.1#



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V

200

150

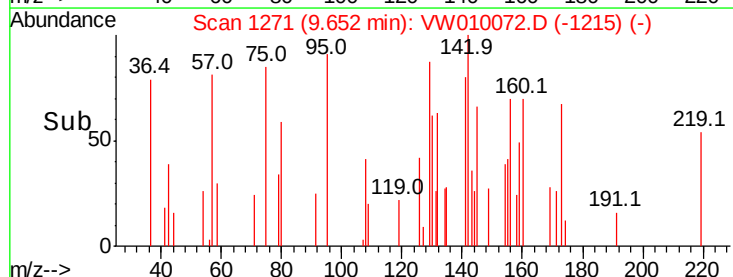
100

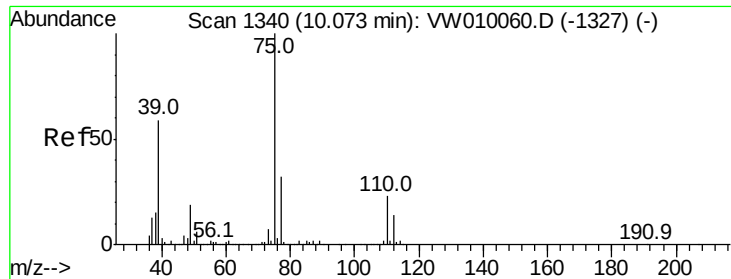
50

0

9.64 9.65 9.66

Time-->





#42

cis-1,3-Dichloropropene

Concen: 15.243 ug/L

RT: 10.09 min Scan# 1343

Delta R.T. 0.02 min

Lab File: VW010072.D

Acq: 19 Apr 2019 18:37

Instrument :

MSVOA\_W

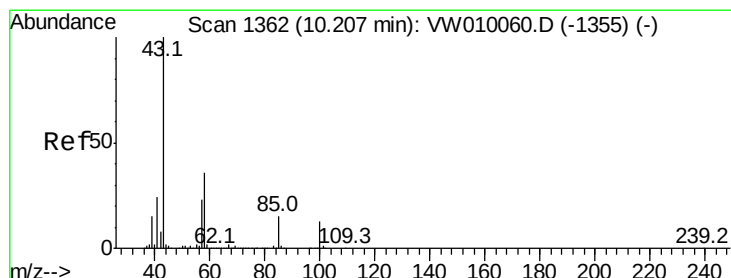
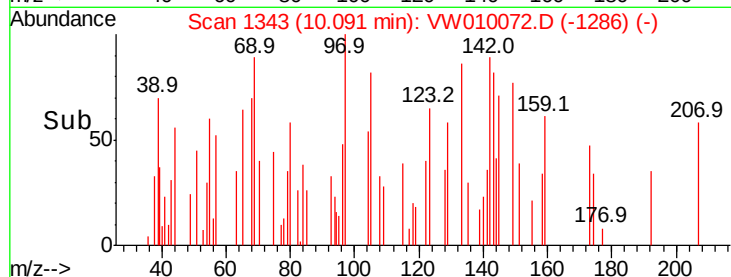
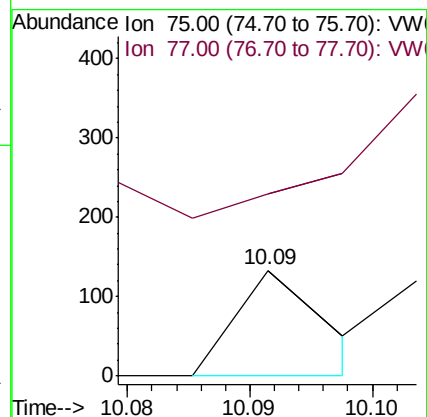
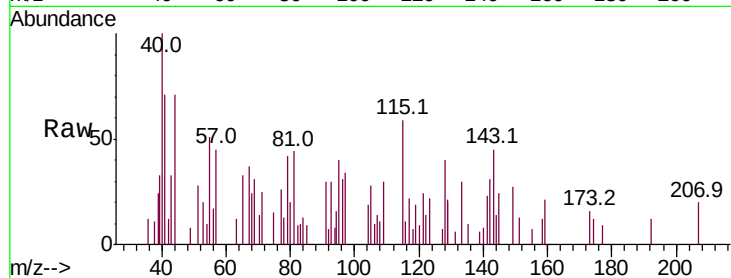
ClientSampled :

Tot Ion: 75 Resp: 67

Ion Ratio Lower Upper

75 100

77 172.9 21.8 40.4#



#43

4-Methyl-2-pentanone

Concen: 61.325 ug/L

RT: 10.20 min Scan# 1360

Delta R.T. -0.01 min

Lab File: VW010072.D

Acq: 19 Apr 2019 18:37

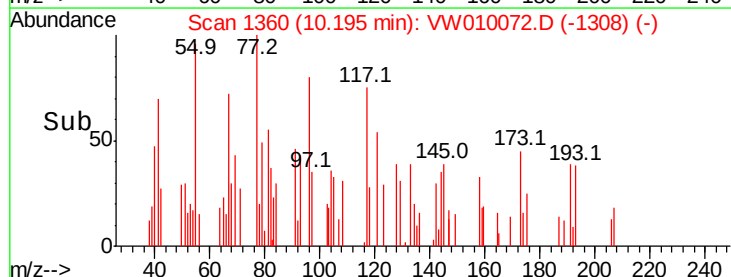
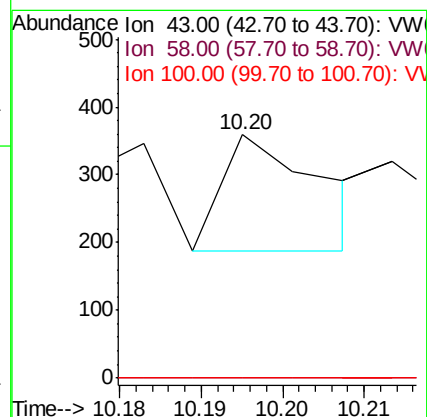
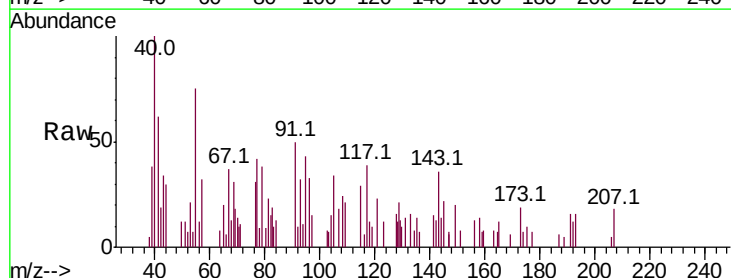
Tgt Ion: 43 Resp: 144

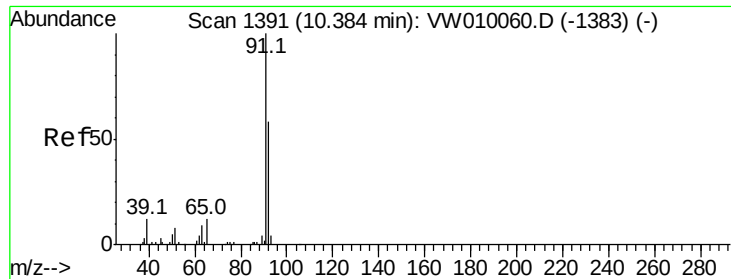
Ion Ratio Lower Upper

43 100

58 0.0 27.9 41.9#

100 0.0 10.5 15.7#

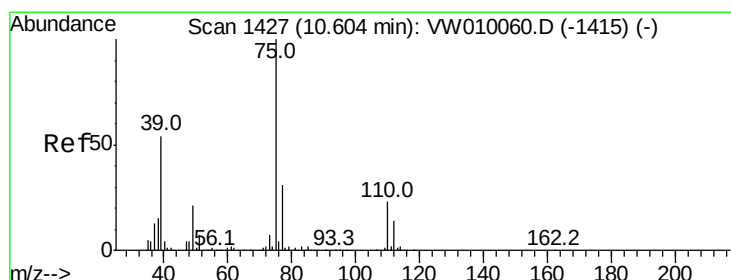
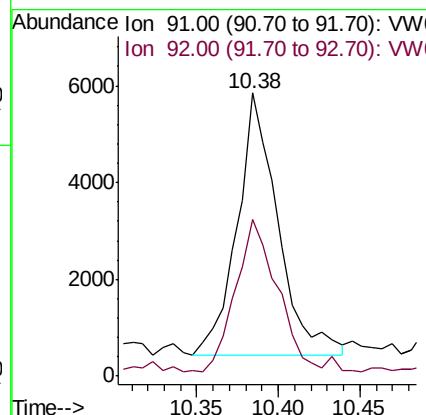
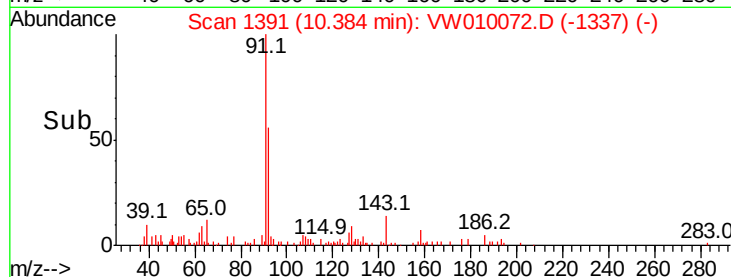
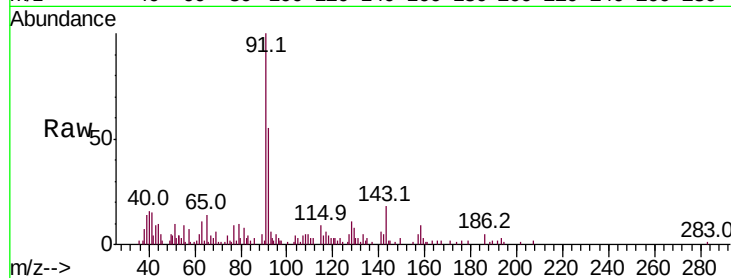




#44  
Toluene  
Concen: 824.532 ug/L  
RT: 10.38 min Scan# 1391  
Delta R.T. 0.00 min  
Lab File: VW010072.D  
Acq: 19 Apr 2019 18:37

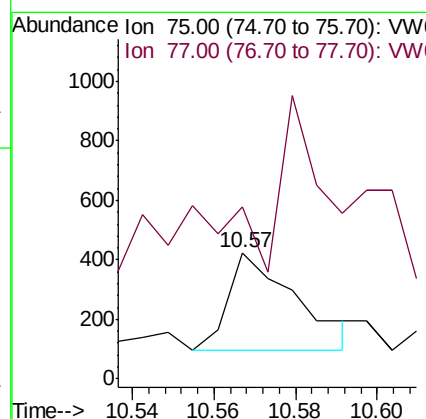
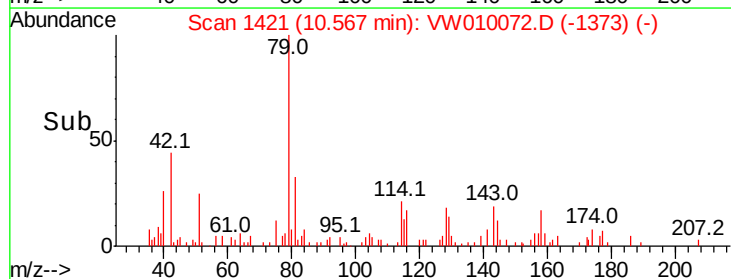
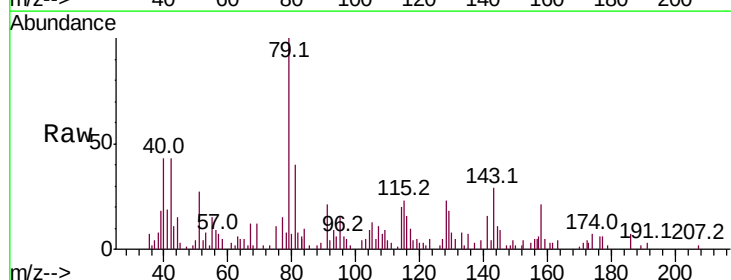
Instrument :  
MSVOA\_W  
ClientSampleId :

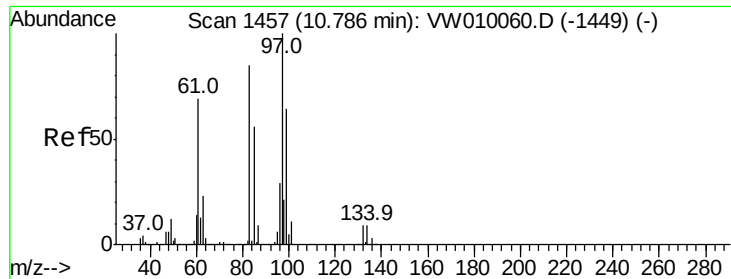
Tot Ion: 91 Resp: 9430  
Ion Ratio Lower Upper  
91 100  
92 55.4 39.8 74.0



#45  
trans-1,3-Dichloropropene  
Concen: 98.940 ug/L  
RT: 10.57 min Scan# 1421  
Delta R.T. -0.04 min  
Lab File: VW010072.D  
Acq: 19 Apr 2019 18:37

Tgt Ion: 75 Resp: 384  
Ion Ratio Lower Upper  
75 100  
77 136.2 22.0 41.0#





#46

1,1,2-Trichloroethane

Concen: 28.783 ug/L

RT: 10.78 min Scan# 1456

Delta R.T. -0.01 min

Lab File: VW010072.D

Acq: 19 Apr 2019 18:37

Instrument :

MSVOA\_W

ClientSampled :

Tot Ion: 97 Resp: 64

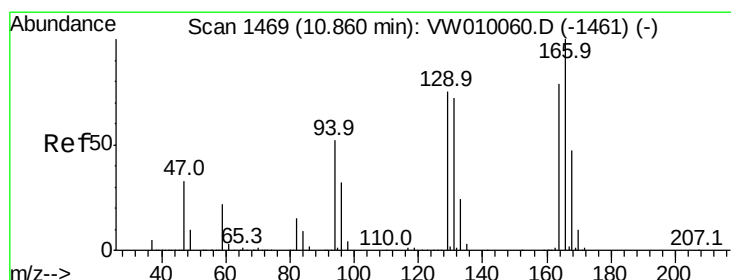
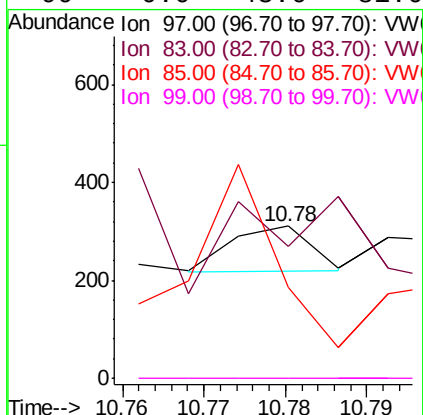
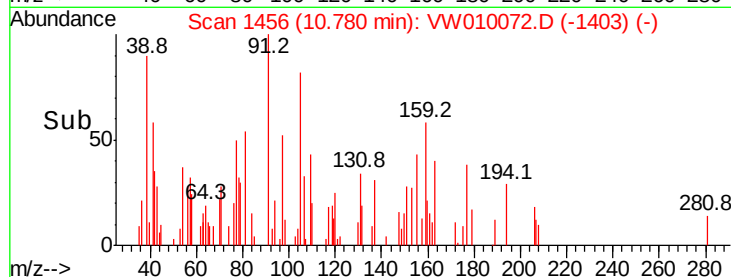
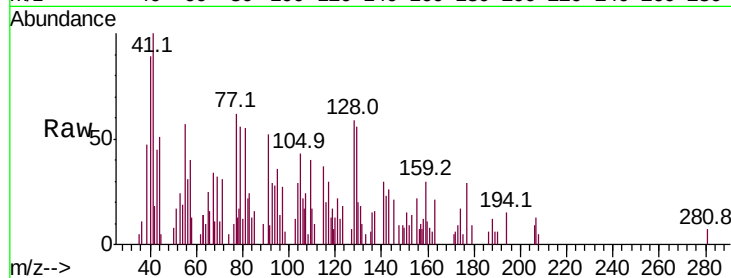
Ion Ratio Lower Upper

97 100

83 86.5 59.1 109.7

85 60.1 39.3 73.1

99 0.0 43.6 81.0#



#47

Tetrachloroethene

Concen: 47.499 ug/L

RT: 10.85 min Scan# 1468

Delta R.T. -0.01 min

Lab File: VW010072.D

Acq: 19 Apr 2019 18:37

Tgt Ion: 164 Resp: 104

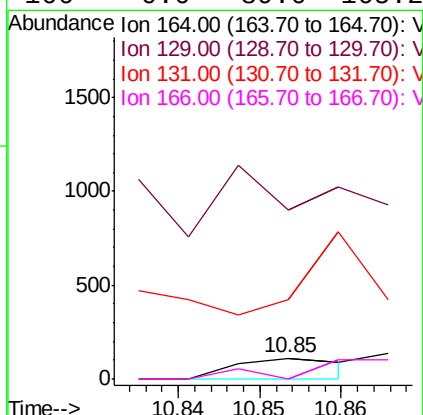
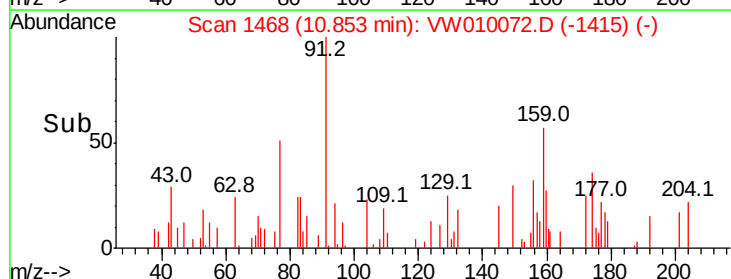
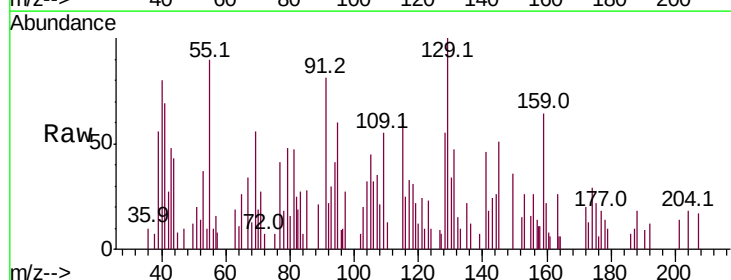
Ion Ratio Lower Upper

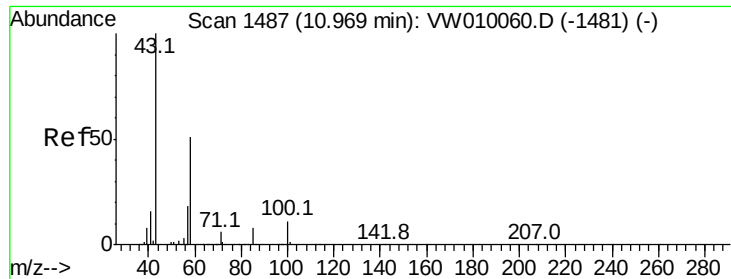
164 100

129 807.1 66.8 124.2#

131 380.4 65.2 121.0#

166 0.0 89.0 165.2#

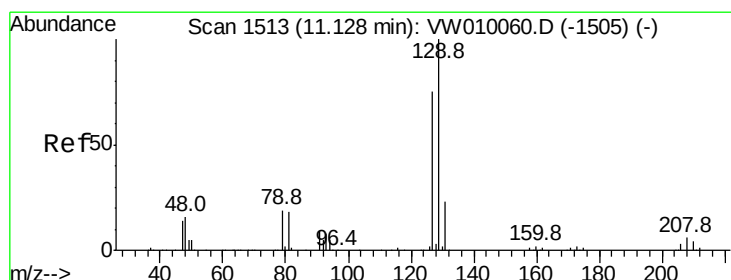
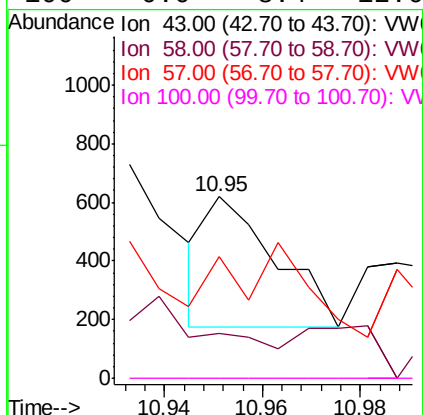
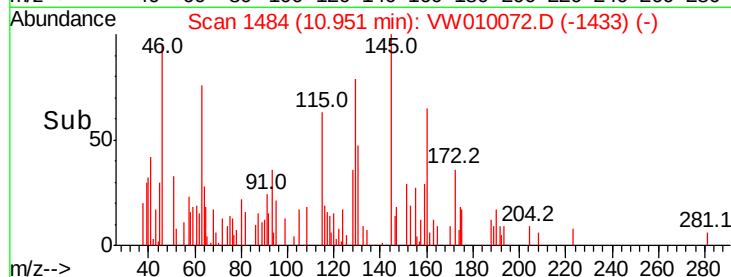
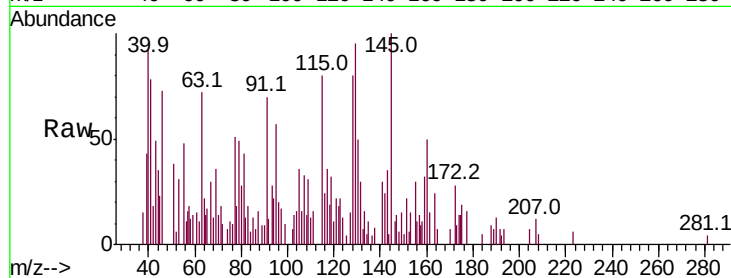




#49  
2-Hexanone  
Concen: 259.567 ug/L  
RT: 10.95 min Scan# 1484  
Delta R.T. -0.02 min  
Lab File: VW010072.D  
Acq: 19 Apr 2019 18:37

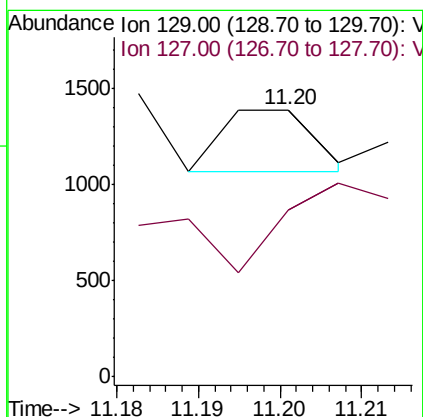
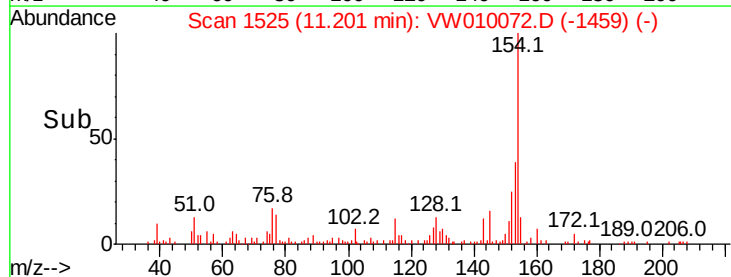
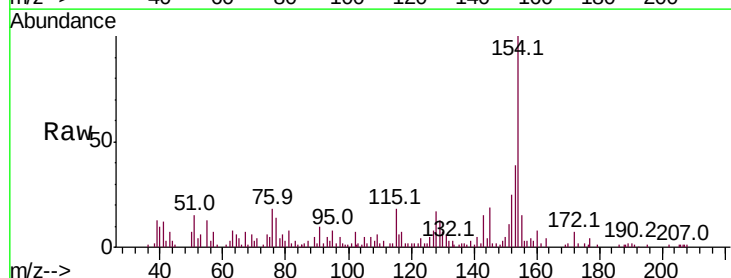
Instrument :  
MSVOA\_W  
ClientSampled :

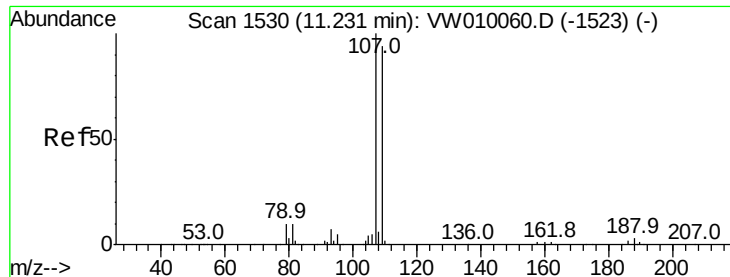
Tot Ion: 43 Resp: 433  
Ion Ratio Lower Upper  
43 100  
58 33.3 39.8 59.8#  
57 80.8 14.1 21.1#  
100 0.0 8.4 12.6#



#50  
Dibromochloromethane  
Concen: 94.342 ug/L  
RT: 11.20 min Scan# 1525  
Delta R.T. 0.07 min  
Lab File: VW010072.D  
Acq: 19 Apr 2019 18:37

Tgt Ion: 129 Resp: 249  
Ion Ratio Lower Upper  
129 100  
127 62.6 53.5 99.3





#51

1,2-Dibromoethane

Concen: 80.404 ug/L

RT: 11.23 min Scan# 1529

Delta R.T. -0.01 min

Lab File: VW010072.D

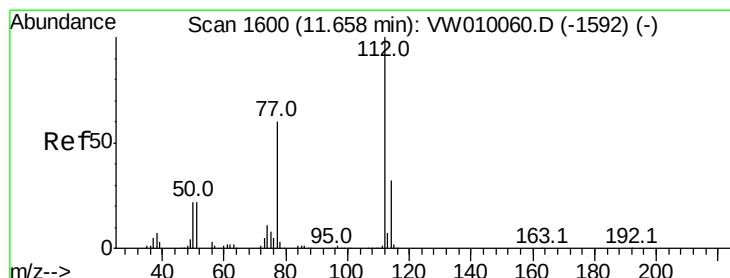
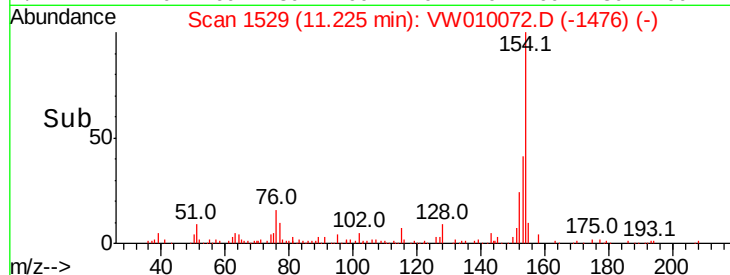
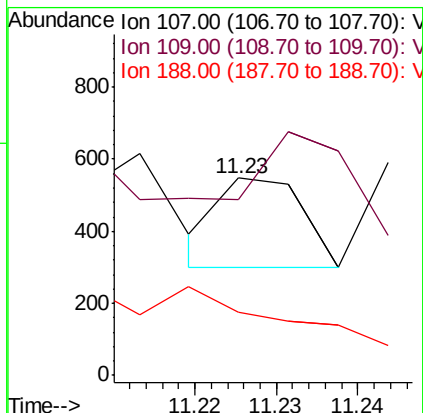
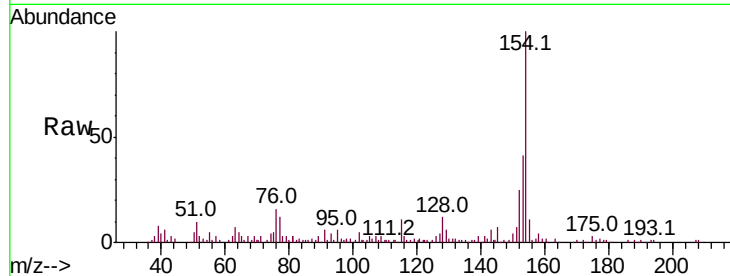
Acq: 19 Apr 2019 18:37

Instrument :

MSVOA\_W

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 107   | Resp: | 175   |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 109      | 89.2  | 66.4  | 123.4 |
| 188      | 32.1  | 2.7   | 4.1#  |



#52

Chlorobenzene

Concen: 67.133 ug/L

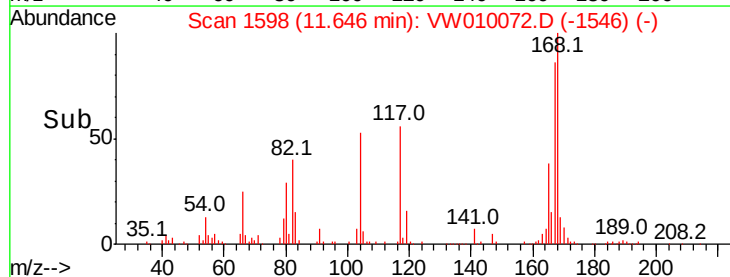
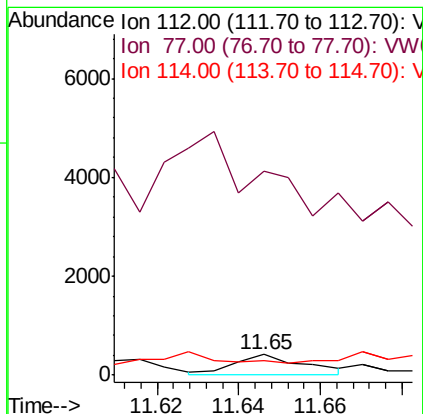
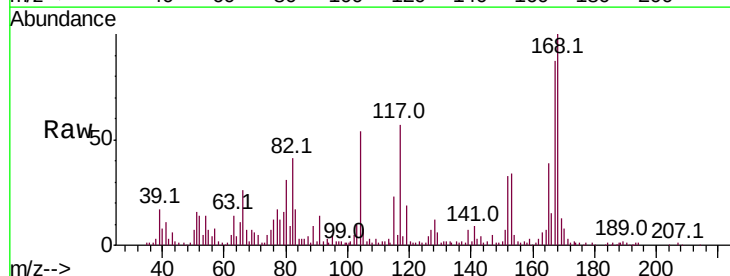
RT: 11.65 min Scan# 1598

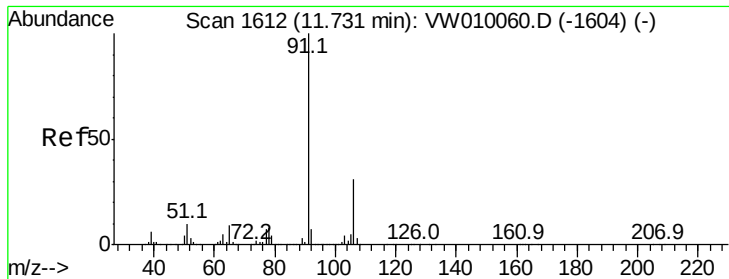
Delta R.T. -0.01 min

Lab File: VW010072.D

Acq: 19 Apr 2019 18:37

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 501   |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 77       | 994.5 | 50.2  | 75.4# |
| 114      | 70.0  | 22.7  | 42.3# |

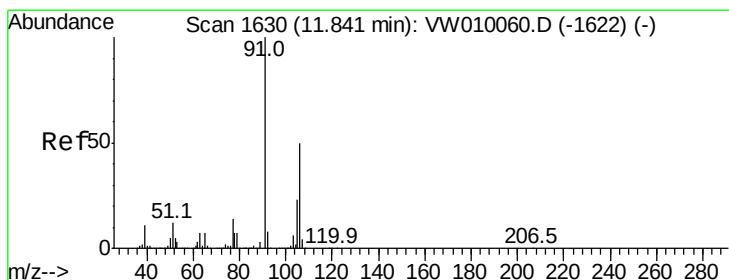
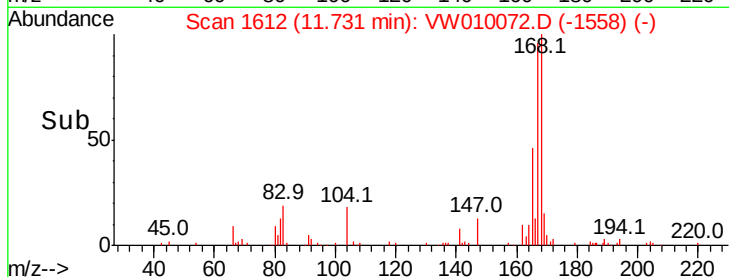
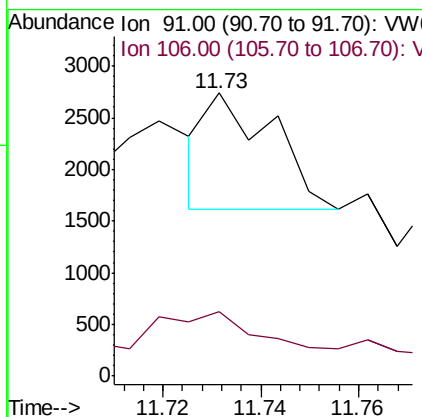
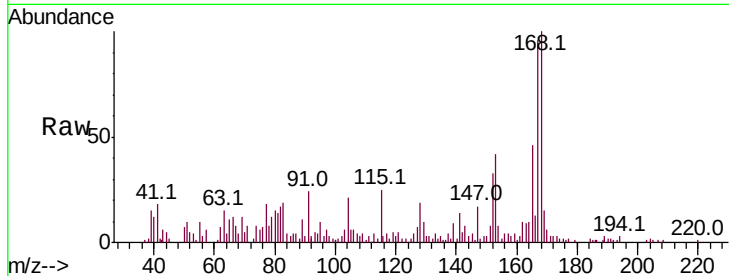




#53  
Ethylbenzene  
Concen: 82.610 ug/L  
RT: 11.73 min Scan# 1612  
Delta R.T. 0.00 min  
Lab File: VW010072.D  
Acq: 19 Apr 2019 18:37

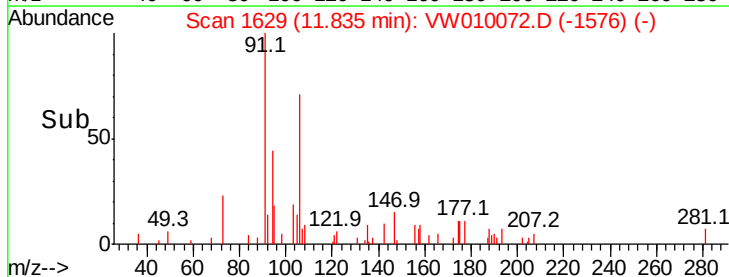
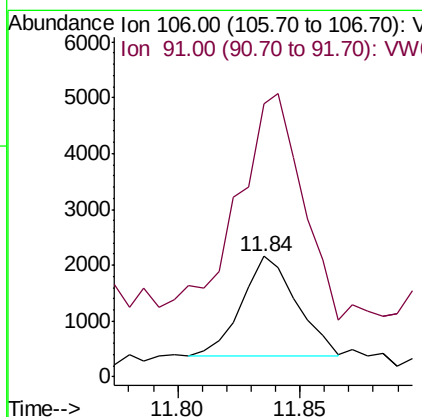
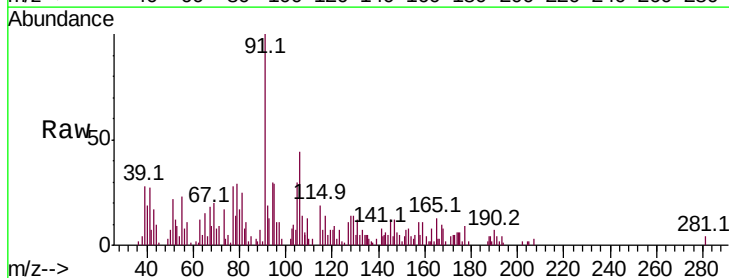
Instrument :  
MSVOA\_W  
ClientSampleId :

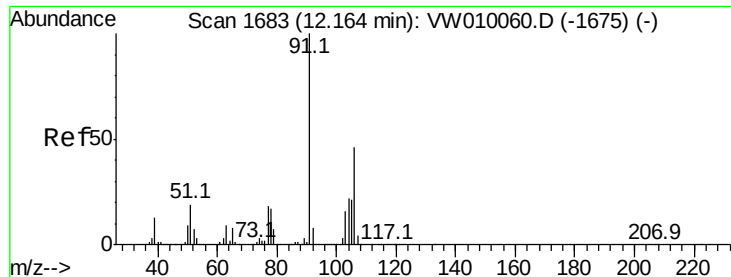
Tot Ion: 91 Resp: 1056  
Ion Ratio Lower Upper  
91 100  
106 22.9 21.8 40.4



#54  
m,p-Xylene  
Concen: 603.115 ug/L  
RT: 11.84 min Scan# 1629  
Delta R.T. -0.01 min  
Lab File: VW010072.D  
Acq: 19 Apr 2019 18:37

Tgt Ion: 106 Resp: 2820  
Ion Ratio Lower Upper  
106 100  
91 227.5 143.4 266.2





#55

o-xylene

Concen: 437.058 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.01 min

Lab File: VW010072.D

Acq: 19 Apr 2019 18:37

Instrument :

MSVOA\_W

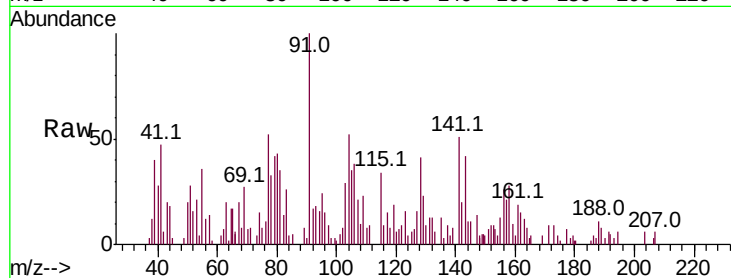
ClientSampleId :

Tot Ion:106 Resp: 1960

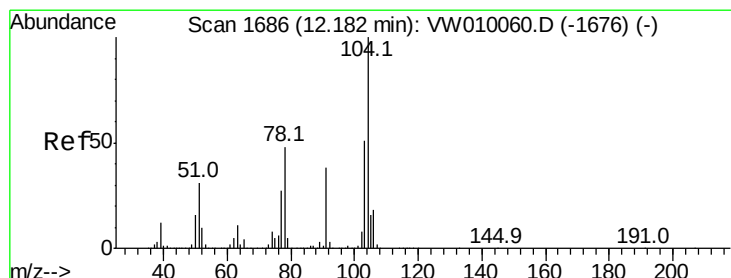
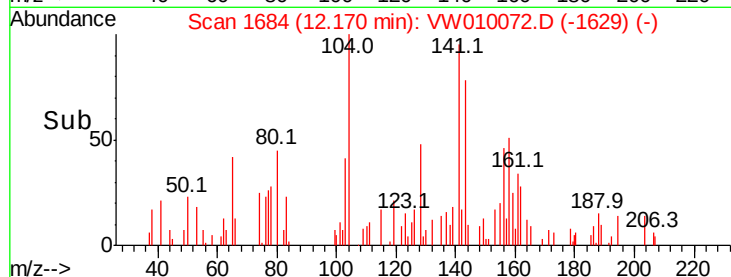
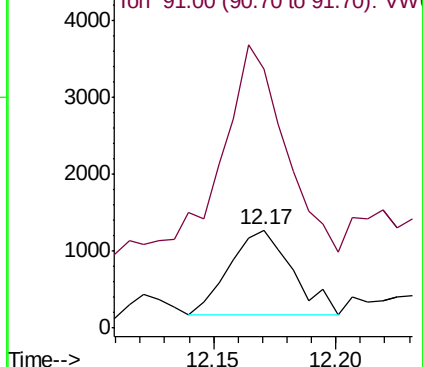
Ion Ratio Lower Upper

106 100

91 262.9 152.2 282.7



Abundance Ion 106.00 (105.70 to 106.70): V



#56

Styrene

Concen: 700.580 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW010072.D

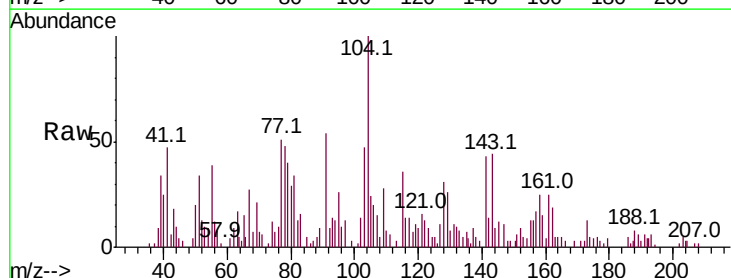
Acq: 19 Apr 2019 18:37

Tgt Ion:104 Resp: 5500

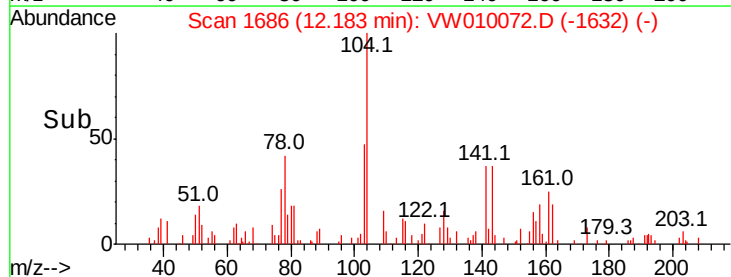
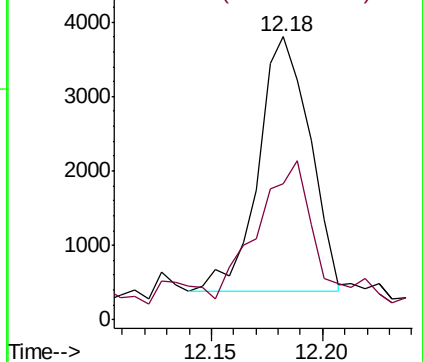
Ion Ratio Lower Upper

104 100

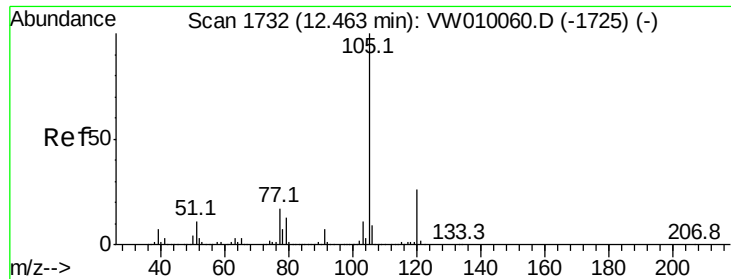
78 48.0 32.7 60.7



Abundance Ion 104.00 (103.70 to 104.70): V







#57

Isopropylbenzene

Concen: 39.348 ug/L

RT: 12.45 min Scan# 1730

Delta R.T. -0.01 min

Lab File: VW010072.D

Acq: 19 Apr 2019 18:37

Instrument :

MSVOA\_W

ClientSampleId :

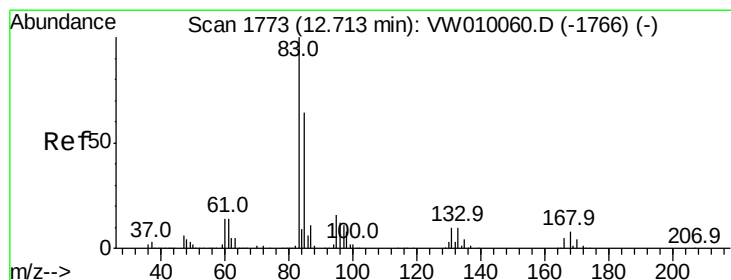
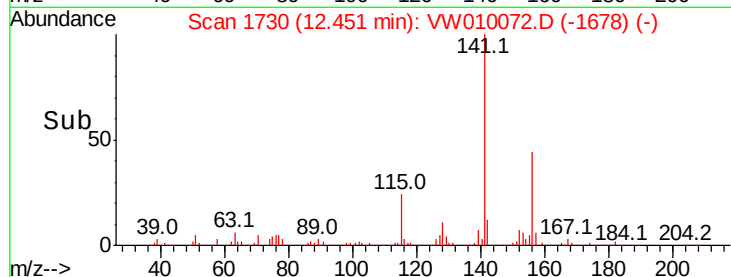
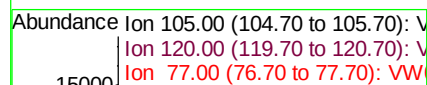
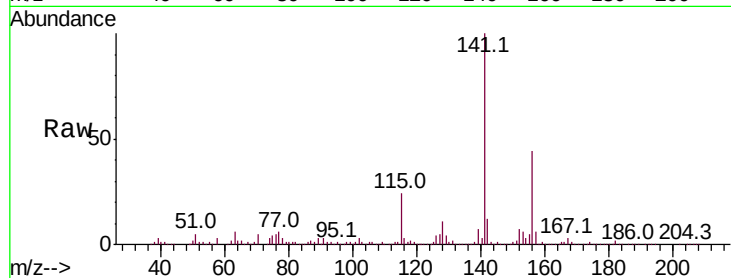
Tot Ion:105 Resp: 470

Ion Ratio Lower Upper

105 100

120 33.6 20.6 30.8#

77 0.0 13.4 20.2#



#58

1,1,2,2-Tetrachloroethane

Concen: 170.936 ug/L

RT: 12.74 min Scan# 1778

Delta R.T. 0.03 min

Lab File: VW010072.D

Acq: 19 Apr 2019 18:37

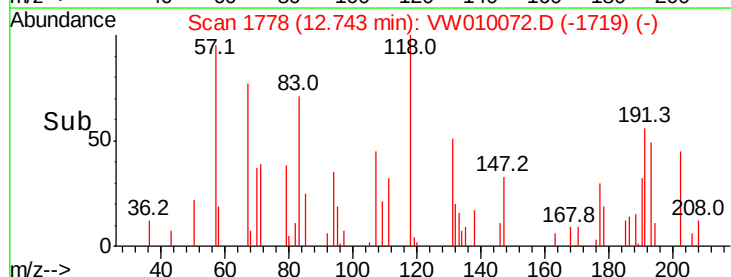
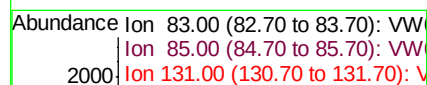
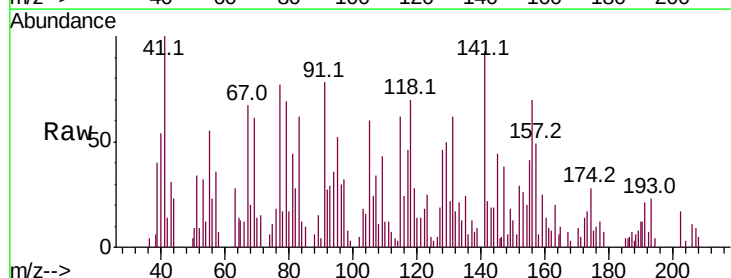
Tgt Ion: 83 Resp: 500

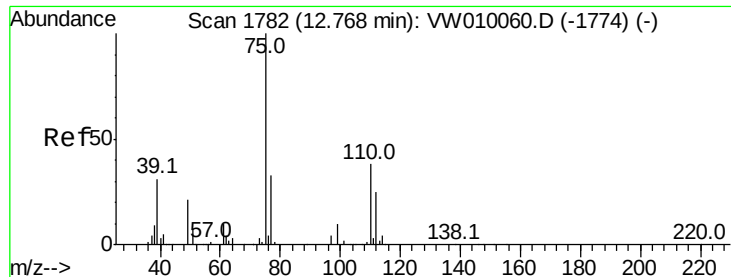
Ion Ratio Lower Upper

83 100

85 15.3 44.1 81.9#

131 98.6 8.3 12.5#





#59

1,2,3-Trichloropropane

Concen: 70.808 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. -0.05 min

Lab File: VW010072.D

Acq: 19 Apr 2019 18:37

Instrument :

MSVOA\_W

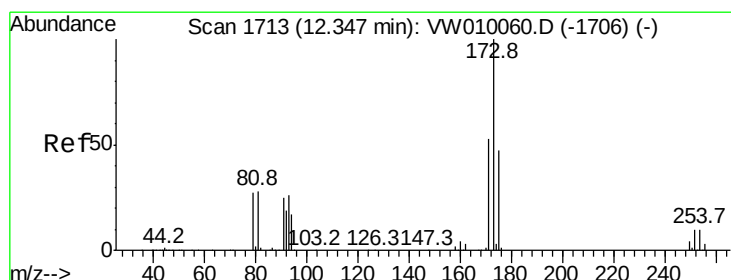
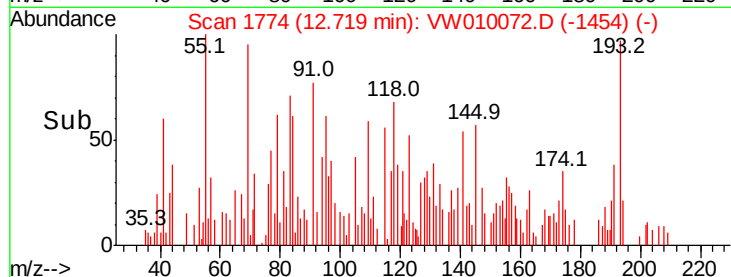
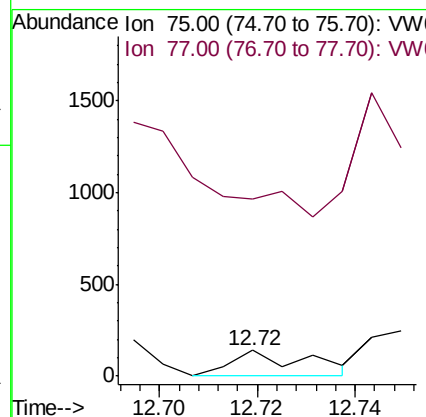
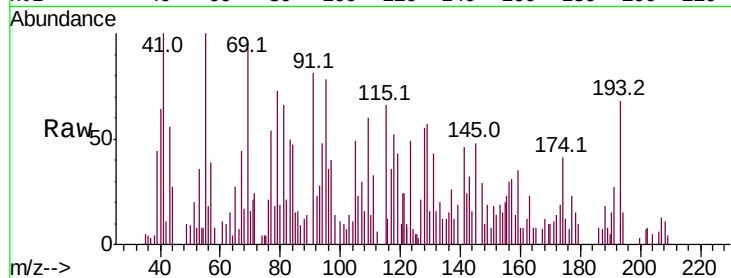
ClientSampled :

Tot Ion: 75 Resp: 155

Ion Ratio Lower Upper

75 100

77 282.6 25.8 38.6#



#62

Bromoform

Concen: 0.445 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW010072.D

Acq: 19 Apr 2019 18:37

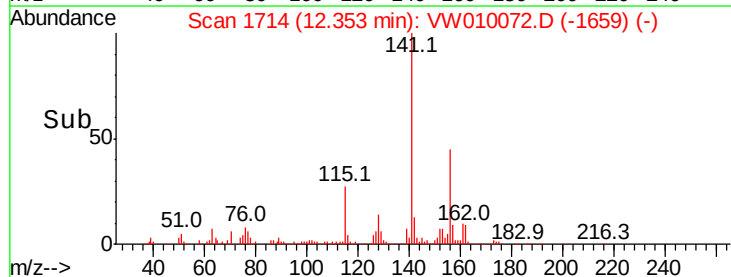
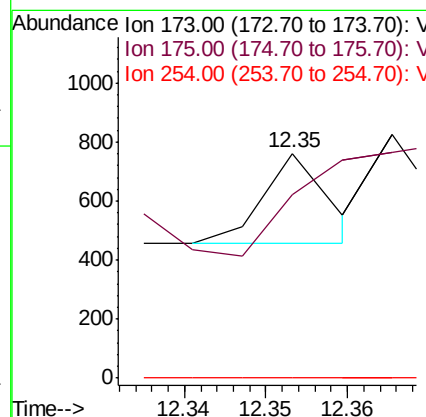
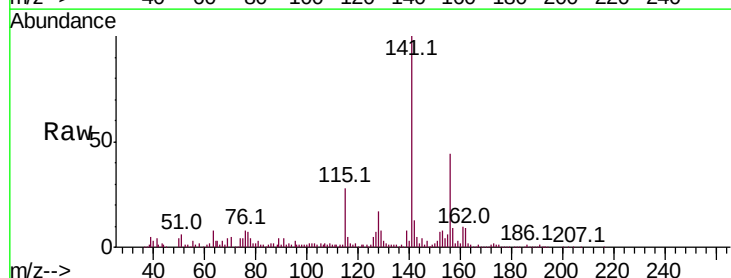
Tgt Ion: 173 Resp: 166

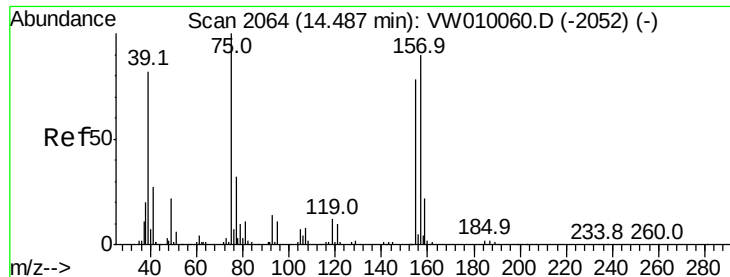
Ion Ratio Lower Upper

173 100

175 666.3 38.4 57.6#

254 0.0 7.7 11.5#





#66

1,2-Dibromo-3-chloropropane

Concen: 720.715 ug/L

RT: 14.54 min Scan# 2072

Delta R.T. 0.05 min

Lab File: VW010072.D

Acq: 19 Apr 2019 18:37

Instrument :

MSVOA\_W

ClientSampleId :

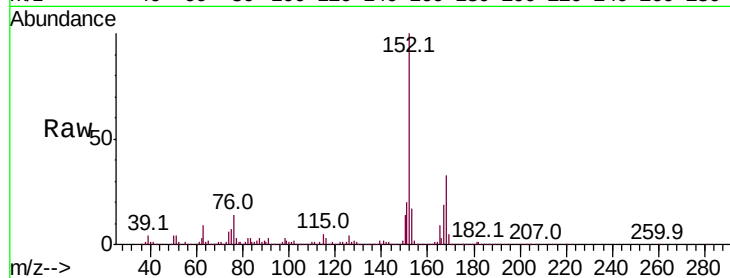
Tot Ion: 75 Resp: 91927

Ion Ratio Lower Upper

75 100

157 4.8 73.3 109.9#

155 3.8 58.6 88.0#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

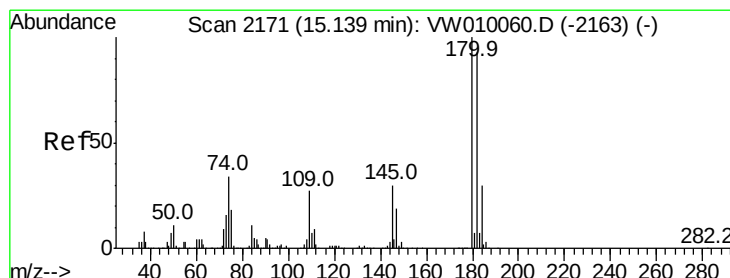
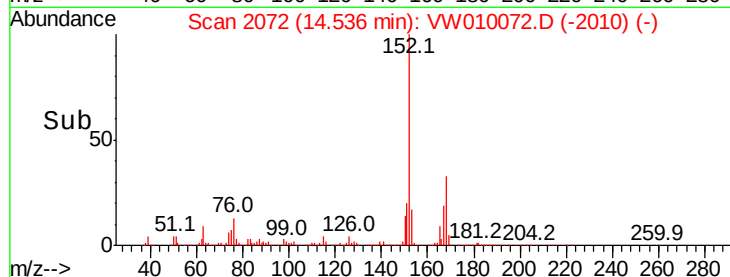
14.54

20000

10000

0

Time-->



#68

1,2,4-trichlorobenzene

Concen: 2.875 ug/L

RT: 15.16 min Scan# 2175

Delta R.T. 0.02 min

Lab File: VW010072.D

Acq: 19 Apr 2019 18:37

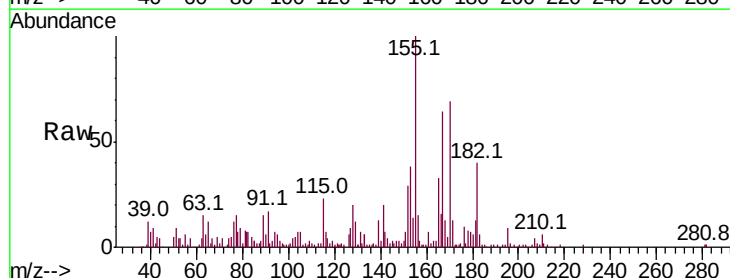
Tgt Ion: 180 Resp: 2216

Ion Ratio Lower Upper

180 100

182 954.2 75.4 113.0#

145 7.1 25.0 37.4#



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

15.16

10000

8000

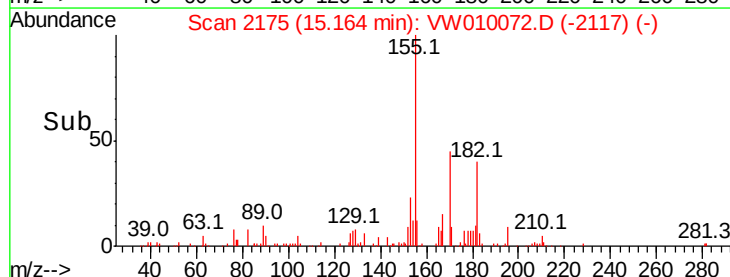
6000

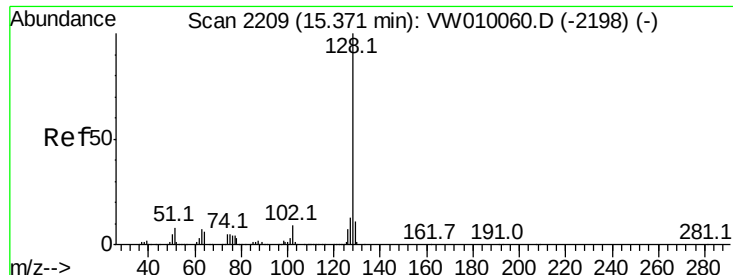
4000

2000

0

Time-->





#69

Naphthalene

Concen: 155.827 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW010072.D

Acq: 19 Apr 2019 18:37

Instrument :

MSVOA\_W

ClientSampleId :

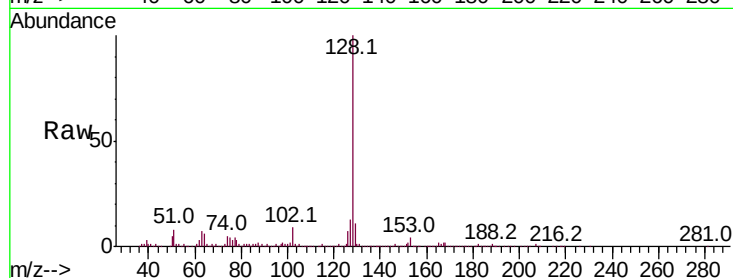
Tot Ion:128 Resp: 257787

Ion Ratio Lower Upper

128 100

129 10.2 8.6 12.8

127 13.0 10.6 16.0



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

