

Data File : VW012841.D  
Acq On : 10 Sep 2019 00:37  
Operator : SY/VA  
Sample : VW0909SBSD02  
Misc : 5.00G/5ML/MSVOA\_W/SOIL  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0909SBSD02

Quant Time: Sep 10 07:07:26 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W090719S.M  
Quant Title : SW846 8260  
QLast Update : Sun Sep 08 05:04:40 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 186632   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 275918   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 239641   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.55 | 152  | 118982   | 50.00 | ug/l  | 0.00     |

System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.31   | 65  | 104650   | 50.18 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.36% |      |
| 35) Dibromofluoromethane  | 7.88   | 113 | 82100    | 50.05 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.10% |      |
| 50) Toluene-d8            | 10.32  | 98  | 325887   | 50.71 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.42% |      |
| 62) 4-Bromofluorobenzene  | 12.62  | 95  | 115631   | 49.56 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.12%  |      |

Target Compounds

|                               |      |     |        |         |        | Qvalue |
|-------------------------------|------|-----|--------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 2.01 | 85  | 18126  | 17.915  | ug/l   | 100    |
| 3) Chloromethane              | 2.21 | 50  | 24314  | 19.774  | ug/l   | 98     |
| 4) Vinyl Chloride             | 2.36 | 62  | 30955  | 20.532  | ug/l   | 98     |
| 5) Bromomethane               | 2.78 | 94  | 18573  | 22.686  | ug/l   | 88     |
| 6) Chloroethane               | 2.92 | 64  | 18035  | 20.046  | ug/l   | 97     |
| 7) Trichlorofluoromethane     | 3.25 | 101 | 16640  | 15.994  | ug/l   | 95     |
| 8) Diethyl Ether              | 3.68 | 74  | 20201  | 23.102  | ug/l   | 96     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.06 | 101 | 33274  | 20.380  | ug/l   | 98     |
| 10) Methyl Iodide             | 4.27 | 142 | 40915  | 19.907  | ug/l   | 98     |
| 11) Tert butyl alcohol        | 5.20 | 59  | 19608  | 122.898 | ug/l # | 92     |
| 12) 1,1-Dichloroethene        | 4.04 | 96  | 29801  | 19.336  | ug/l   | 95     |
| 13) Acrolein                  | 3.90 | 56  | 14873  | 87.845  | ug/l   | 94     |
| 14) Allyl chloride            | 4.66 | 41  | 57714  | 18.102  | ug/l   | 99     |
| 15) Acrylonitrile             | 5.37 | 53  | 59283  | 116.075 | ug/l   | 99     |
| 16) Acetone                   | 4.13 | 43  | 52563  | 92.460  | ug/l   | 96     |
| 17) Carbon Disulfide          | 4.37 | 76  | 61097  | 18.675  | ug/l   | 98     |
| 18) Methyl Acetate            | 4.67 | 43  | 34186  | 25.631  | ug/l   | 96     |
| 19) Methyl tert-butyl Ether   | 5.42 | 73  | 64935  | 21.244  | ug/l   | 100    |
| 20) Methylene Chloride        | 4.91 | 84  | 38921  | 21.884  | ug/l   | 84     |
| 21) trans-1,2-Dichloroethene  | 5.42 | 96  | 31797  | 20.219  | ug/l   | 83     |
| 22) Diisopropyl ether         | 6.31 | 45  | 122555 | 19.381  | ug/l   | 96     |
| 23) Vinyl Acetate             | 6.25 | 43  | 408780 | 102.003 | ug/l   | 100    |
| 24) 1,1-Dichloroethane        | 6.21 | 63  | 65662  | 19.285  | ug/l   | 99     |
| 25) 2-Butanone                | 7.17 | 43  | 84258  | 112.416 | ug/l   | 99     |
| 26) 2,2-Dichloropropane       | 7.16 | 77  | 38095  | 17.715  | ug/l   | 97     |
| 27) cis-1,2-Dichloroethene    | 7.17 | 96  | 36784  | 20.173  | ug/l   | 94     |
| 28) Bromochloromethane        | 7.51 | 49  | 27922  | 17.860  | ug/l # | 92     |
| 29) Tetrahydrofuran           | 7.53 | 42  | 54311  | 118.304 | ug/l   | 96     |
| 30) Chloroform                | 7.67 | 83  | 64928  | 19.241  | ug/l   | 97     |
| 31) Cyclohexane               | 7.95 | 56  | 59098  | 19.280  | ug/l   | 92     |
| 32) 1,1,1-Trichloroethane     | 7.87 | 97  | 53318  | 19.493  | ug/l   | 98     |
| 36) 1,1-Dichloropropene       | 8.08 | 75  | 48521  | 19.792  | ug/l   | 97     |
| 37) Ethyl Acetate             | 7.24 | 43  | 35276  | 22.572  | ug/l   | 97     |
| 38) Carbon Tetrachloride      | 8.07 | 117 | 47275  | 19.562  | ug/l   | 100    |

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ALS Vial : 32 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleID :  
VW0909SBS02

Quant Time: Sep 10 07:07:26 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W090719S.M  
Quant Title : SW846 8260  
QLast Update : Sun Sep 08 05:04:40 2019  
Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.33  | 83   | 56812    | 20.633  | ug/l   | 98       |
| 40) Benzene                    | 8.32  | 78   | 136836   | 20.117  | ug/l   | 97       |
| 41) Methacrylonitrile          | 7.48  | 41   | 22016    | 22.971  | ug/l   | 95       |
| 42) 1,2-Dichloroethane         | 8.40  | 62   | 48710    | 20.348  | ug/l   | 98       |
| 43) Isopropyl Acetate          | 8.42  | 43   | 66379    | 22.419  | ug/l   | 98       |
| 44) Trichloroethene            | 9.09  | 130  | 36303    | 20.705  | ug/l   | 82       |
| 45) 1,2-Dichloropropane        | 9.37  | 63   | 36560    | 19.379  | ug/l   | 94       |
| 46) Dibromomethane             | 9.46  | 93   | 19216    | 21.510  | ug/l   | 97       |
| 47) Bromodichloromethane       | 9.64  | 83   | 47504    | 19.328  | ug/l   | 100      |
| 48) Methyl methacrylate        | 9.43  | 41   | 31416    | 22.202  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 9.47  | 88   | 8594     | 487.012 | ug/l # | 74       |
| 51) 4-Methyl-2-Pentanone       | 10.21 | 43   | 184574   | 118.799 | ug/l   | 100      |
| 52) Toluene                    | 10.38 | 92   | 85374    | 20.110  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.60 | 75   | 49514    | 19.592  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 10.07 | 75   | 54378    | 18.967  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.79 | 97   | 29637    | 22.159  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.65 | 69   | 44165    | 22.559  | ug/l   | 95       |
| 57) 1,3-Dichloropropane        | 10.93 | 76   | 51759    | 20.919  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.92  | 63   | 118229   | 113.753 | ug/l   | 97       |
| 59) 2-Hexanone                 | 10.97 | 43   | 126569   | 111.507 | ug/l   | 99       |
| 60) Dibromochloromethane       | 11.13 | 129  | 31503    | 20.028  | ug/l   | 96       |
| 61) 1,2-Dibromoethane          | 11.23 | 107  | 27134    | 22.129  | ug/l   | 98       |
| 64) Tetrachloroethene          | 10.86 | 164  | 33262    | 22.875  | ug/l   | 97       |
| 65) Chlorobenzene              | 11.66 | 112  | 91970    | 20.306  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.73 | 131  | 33855    | 20.071  | ug/l   | 97       |
| 67) Ethyl Benzene              | 11.73 | 91   | 172249   | 20.269  | ug/l   | 98       |
| 68) m/p-Xylenes                | 11.84 | 106  | 123125   | 40.140  | ug/l   | 99       |
| 69) o-Xylene                   | 12.16 | 106  | 58773    | 20.309  | ug/l   | 98       |
| 70) Styrene                    | 12.18 | 104  | 103325   | 20.206  | ug/l   | 98       |
| 71) Bromoform                  | 12.35 | 173  | 20403    | 21.772  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.46 | 105  | 174736   | 20.476  | ug/l   | 98       |
| 74) N-amyl acetate             | 12.27 | 43   | 58171    | 21.475  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.71 | 83   | 39248    | 22.901  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.77 | 75   | 49791    | 40.925  | ug/l # | 100      |
| 77) Bromobenzene               | 12.74 | 156  | 40240    | 20.813  | ug/l   | 96       |
| 78) n-propylbenzene            | 12.80 | 91   | 200533   | 19.648  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.89 | 91   | 116244   | 19.840  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.94 | 105  | 144039   | 20.031  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.51 | 75   | 11665    | 20.279  | ug/l   | 98       |
| 82) 4-Chlorotoluene            | 12.99 | 91   | 119592   | 19.296  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 13.21 | 119  | 130194   | 20.477  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 13.25 | 105  | 144254   | 19.909  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.38 | 105  | 176972   | 20.058  | ug/l   | 98       |
| 86) p-Isopropyltoluene         | 13.49 | 119  | 160550   | 19.922  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.50 | 146  | 77105    | 20.290  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 13.58 | 146  | 77246    | 20.428  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.82 | 91   | 147723   | 18.881  | ug/l   | 100      |
| 90) Hexachloroethane           | 14.09 | 117  | 27407    | 19.481  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.87 | 146  | 69358    | 20.278  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.48 | 75   | 7309     | 23.304  | ug/l   | 97       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW090919\  
Quantitation Report (Not Reviewed)

Data File : VW012841.D  
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Operator : SY/VA  
Sample : VW0909SBSD02  
Misc : 5.00G/5ML/MSVOA\_W/SOIL  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0909SBSD02

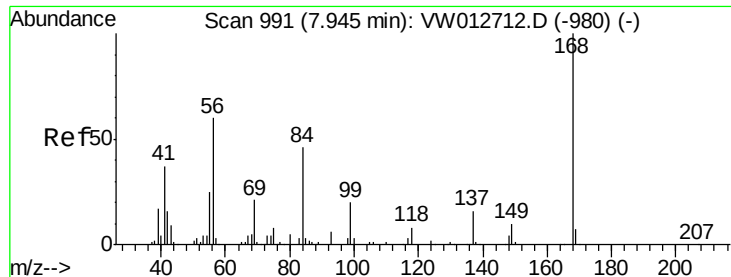
Quant Time: Sep 10 07:07:26 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W090719S.M  
Quant Title : SW846 8260  
QLast Update : Sun Sep 08 05:04:40 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.13 | 180  | 49975    | 20.986 | ug/l  | 94       |
| 94) Hexachlorobutadiene    | 15.23 | 225  | 33622    | 20.398 | ug/l  | 95       |
| 95) Naphthalene            | 15.36 | 128  | 103018   | 23.244 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.55 | 180  | 46247    | 22.001 | ug/l  | 100      |

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

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Quant Method : Z:\VQASRV\HPCHEM1\MSVOA\_W\METHOD\82W090719S.M  
Quant Title : SW846 8260  
QLast Update : Sun Sep 08 05:04:40 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW012841.D

Acq: 10 Sep 2019 00:37

Instrument :

MSVOA\_W

ClientSampleId :

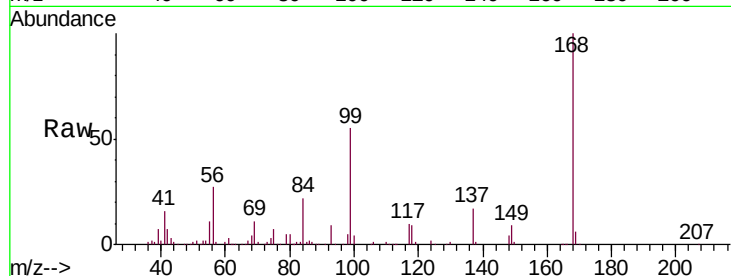
VW0909SBSD02

Tgt Ion:168 Resp: 186632

Ion Ratio Lower Upper

168 100

99 54.8 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

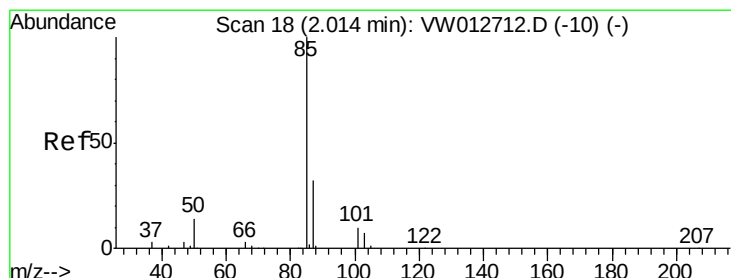
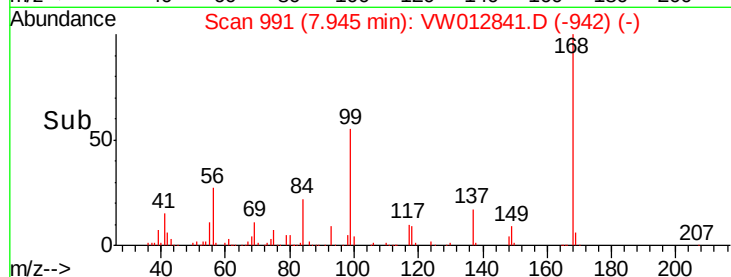
40000

20000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 17.915 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW012841.D

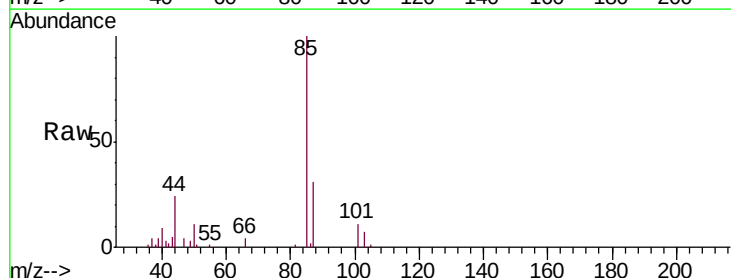
Acq: 10 Sep 2019 00:37

Tgt Ion: 85 Resp: 18126

Ion Ratio Lower Upper

85 100

87 31.4 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

6000

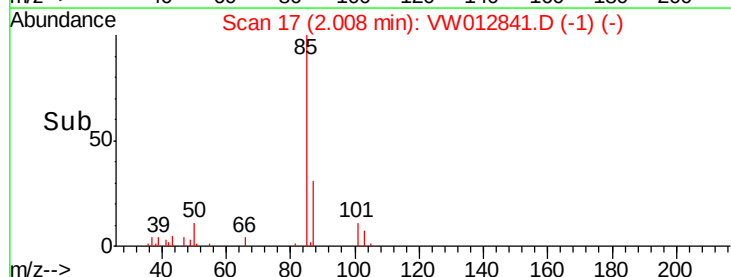
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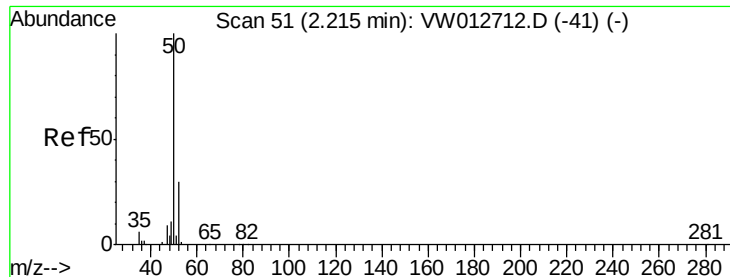
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0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 19.774 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW012841.D

Acq: 10 Sep 2019 00:37

Instrument :

MSVOA\_W

ClientSampleId :

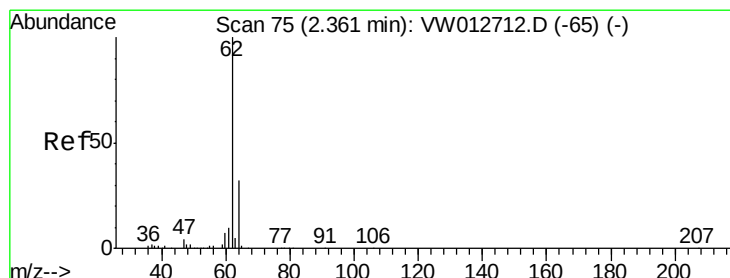
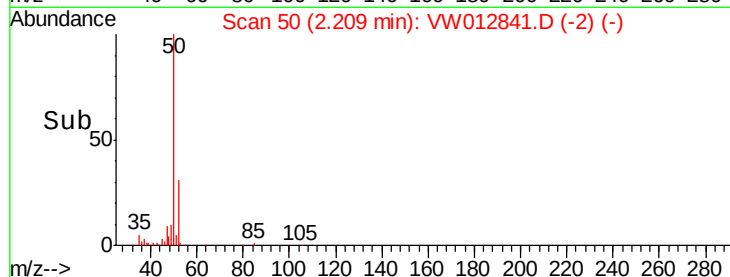
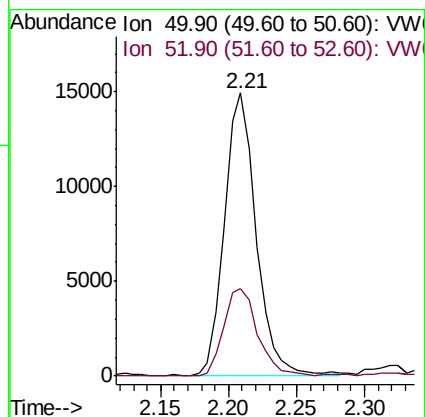
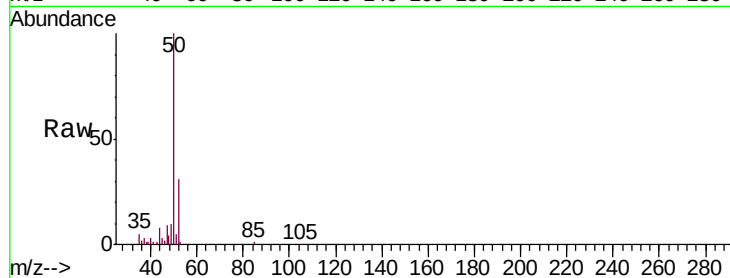
VW0909SBSD02

Tgt Ion: 50 Resp: 24314

Ion Ratio Lower Upper

50 100

52 31.1 24.2 36.2



#4

Vinyl Chloride

Concen: 20.532 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012841.D

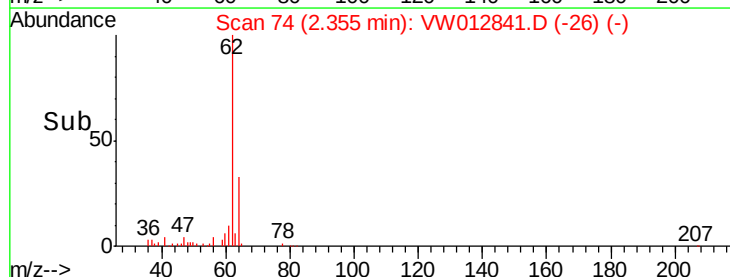
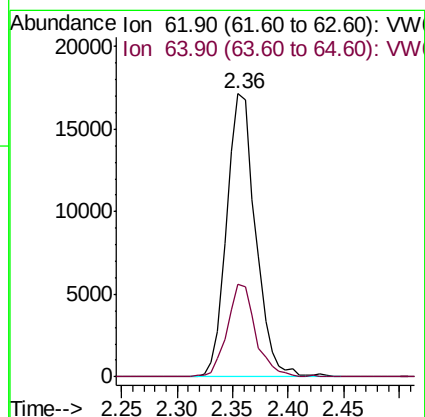
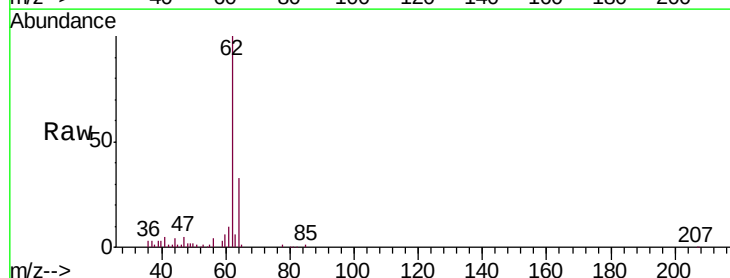
Acq: 10 Sep 2019 00:37

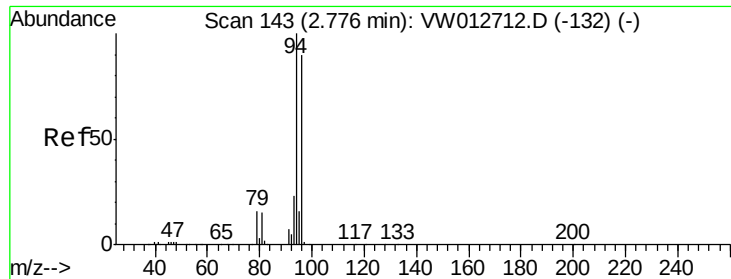
Tgt Ion: 62 Resp: 30955

Ion Ratio Lower Upper

62 100

64 32.8 25.3 37.9





#5

Bromomethane

Concen: 22.686 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW012841.D

Acq: 10 Sep 2019 00:37

Instrument :

MSVOA\_W

ClientSampleId :

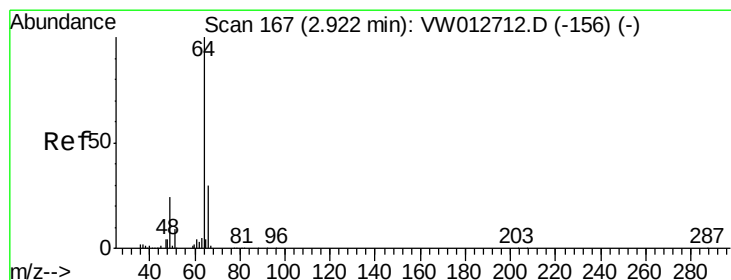
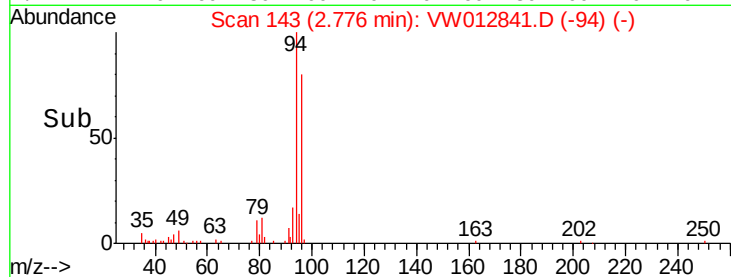
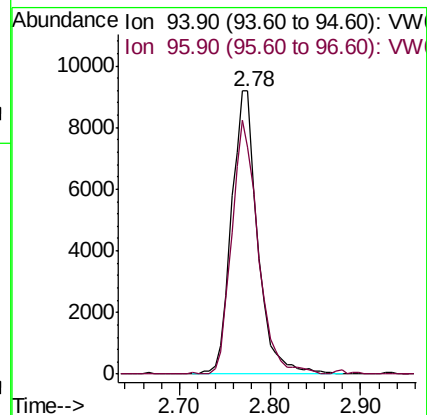
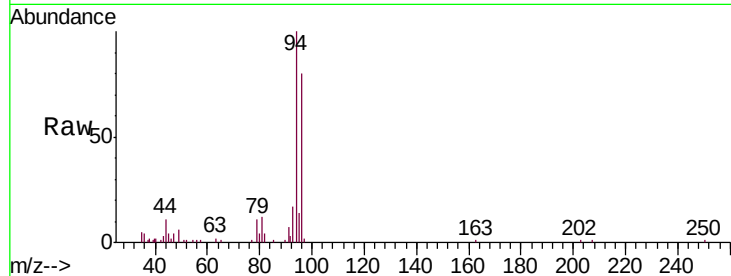
VW0909SBSD02

Tgt Ion: 94 Resp: 18573

Ion Ratio Lower Upper

94 100

96 79.2 72.1 108.1



#6

Chloroethane

Concen: 20.046 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW012841.D

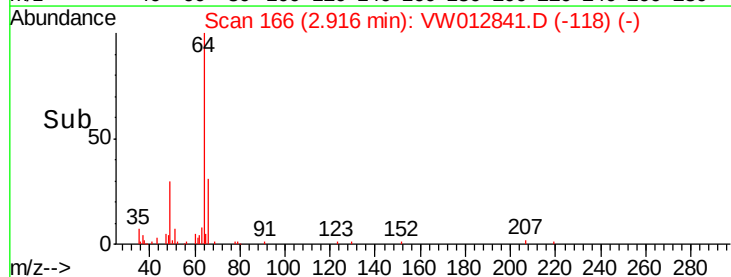
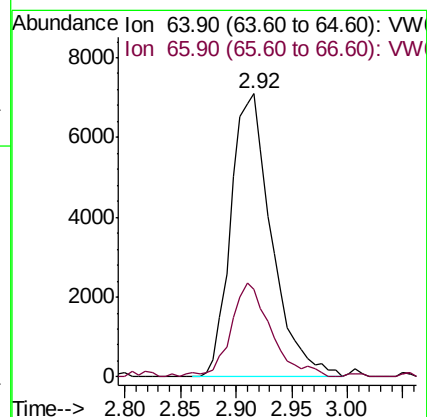
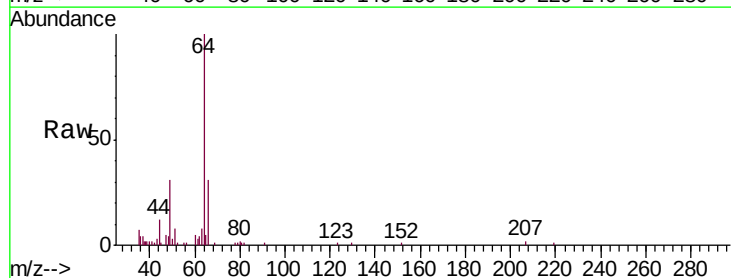
Acq: 10 Sep 2019 00:37

Tgt Ion: 64 Resp: 18035

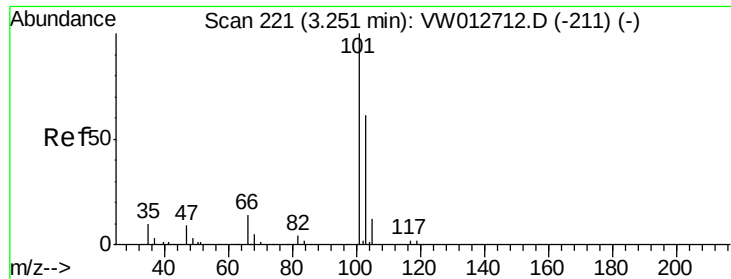
Ion Ratio Lower Upper

64 100

66 31.1 23.8 35.6





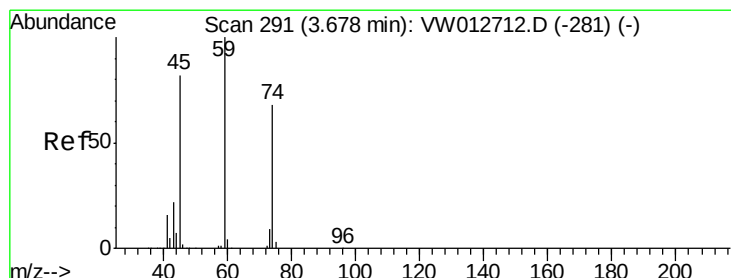
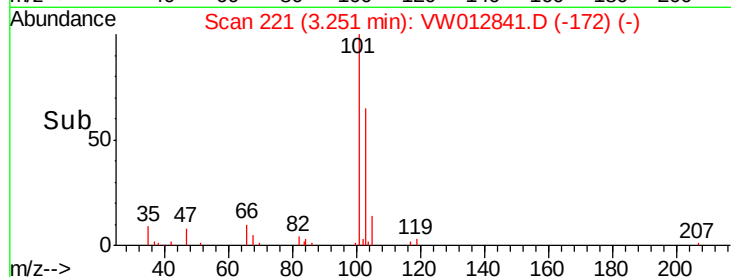
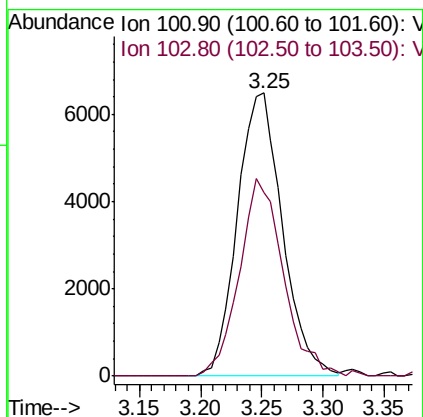
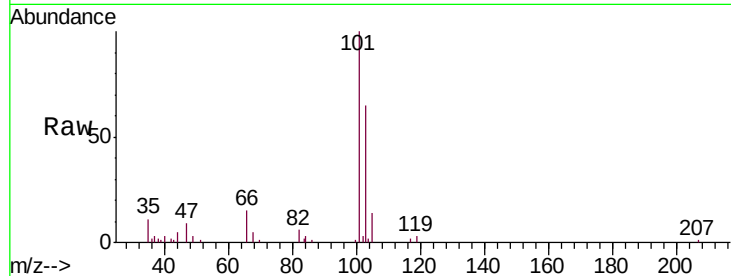


#7

Trichlorofluoromethane  
 Concen: 15.994 ug/l  
 RT: 3.25 min Scan# 221  
 Delta R.T. 0.00 min  
 Lab File: VW012841.D  
 Acq: 10 Sep 2019 00:37

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0909SBSD02

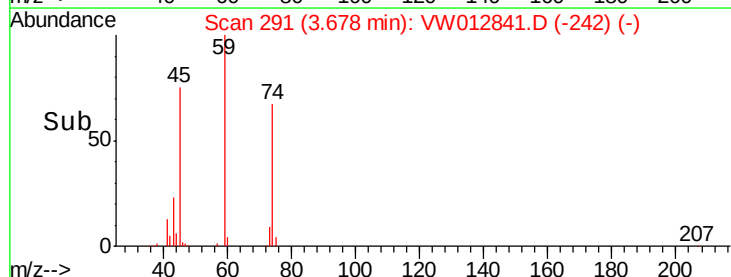
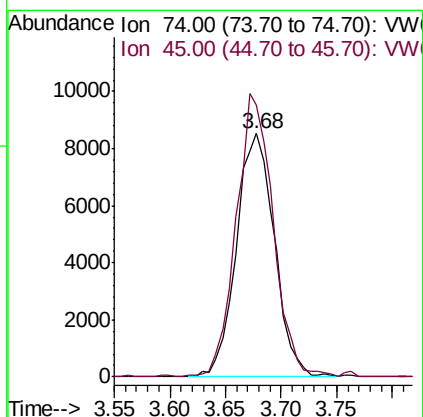
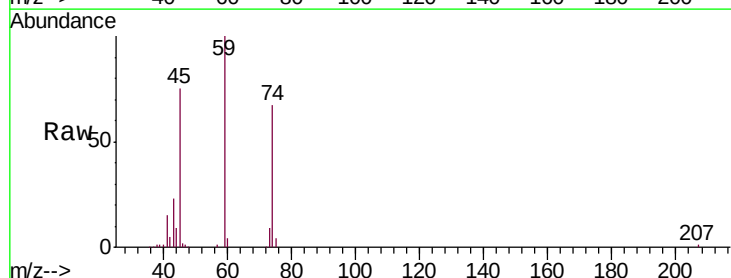
Tgt Ion:101 Resp: 16640  
 Ion Ratio Lower Upper  
 101 100  
 103 64.7 49.0 73.4



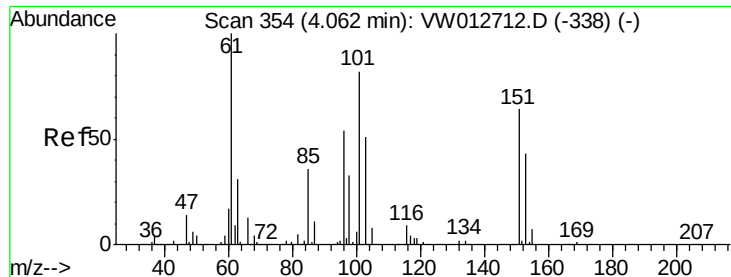
#8

Diethyl Ether  
 Concen: 23.102 ug/l  
 RT: 3.68 min Scan# 291  
 Delta R.T. 0.00 min  
 Lab File: VW012841.D  
 Acq: 10 Sep 2019 00:37

Tgt Ion: 74 Resp: 20201  
 Ion Ratio Lower Upper  
 74 100  
 45 113.3 58.8 176.4







#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.380 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW012841.D

Acq: 10 Sep 2019 00:37

Instrument :

MSVOA\_W

ClientSampleId :

VW0909SBSD02

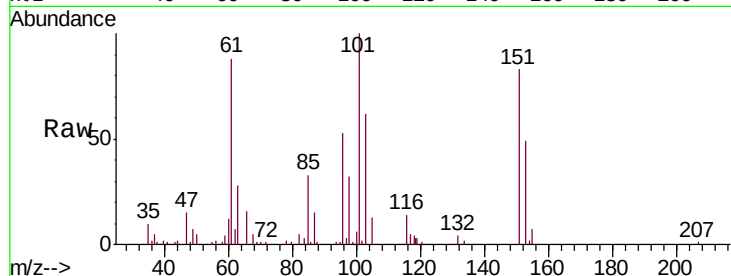
Tgt Ion:101 Resp: 33274

Ion Ratio Lower Upper

101 100

85 44.0 36.2 54.2

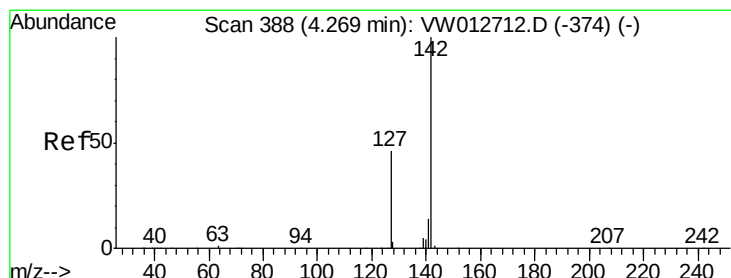
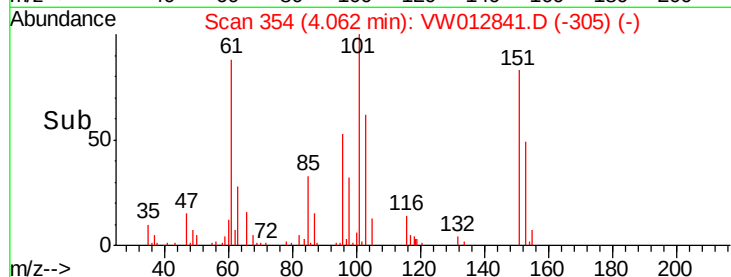
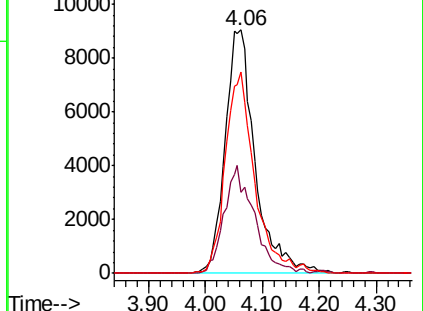
151 79.5 61.9 92.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.907 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW012841.D

Acq: 10 Sep 2019 00:37

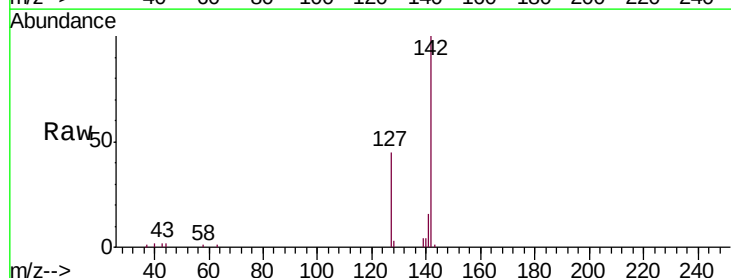
Tgt Ion:142 Resp: 40915

Ion Ratio Lower Upper

142 100

127 43.3 36.0 54.0

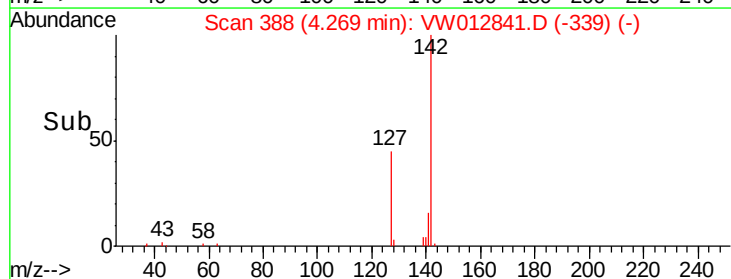
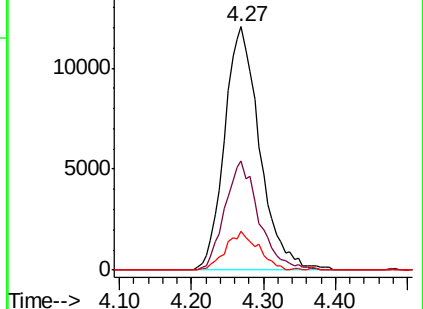
141 14.7 12.2 18.4

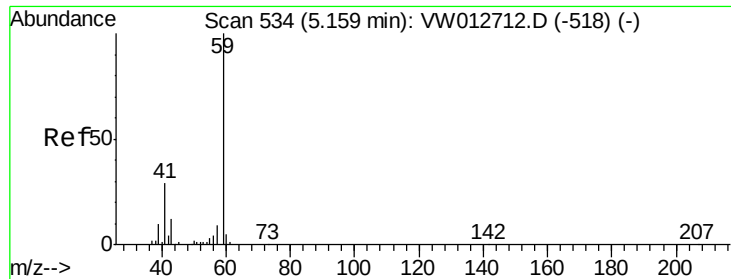


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



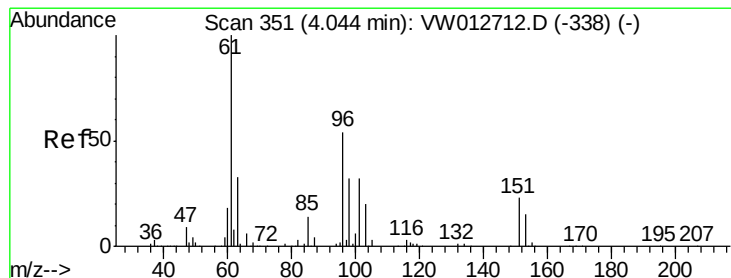
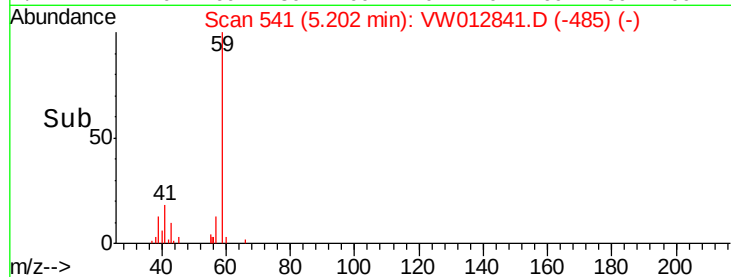
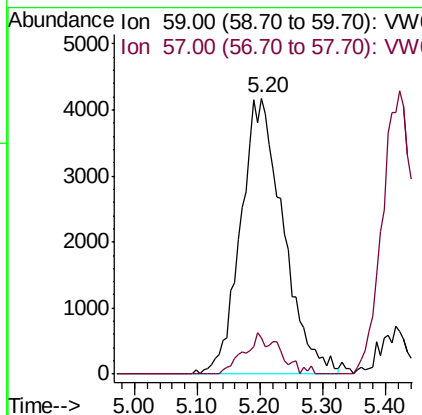
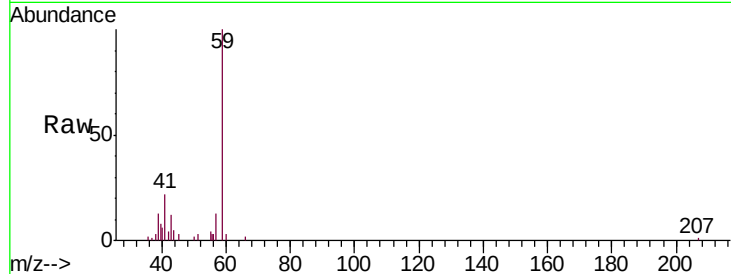


#11

Tert butyl alcohol  
 Concen: 122.898 ug/l  
 RT: 5.20 min Scan# 541  
 Delta R.T. 0.04 min  
 Lab File: VW012841.D  
 Acq: 10 Sep 2019 00:37

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0909SBSD02

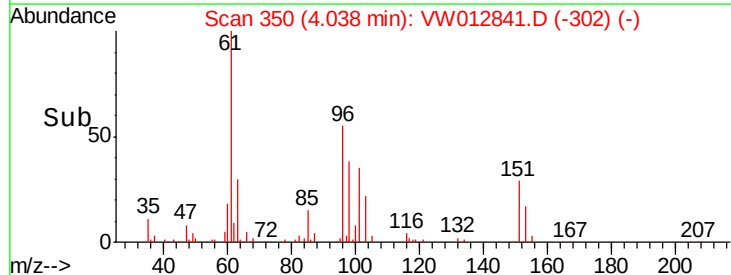
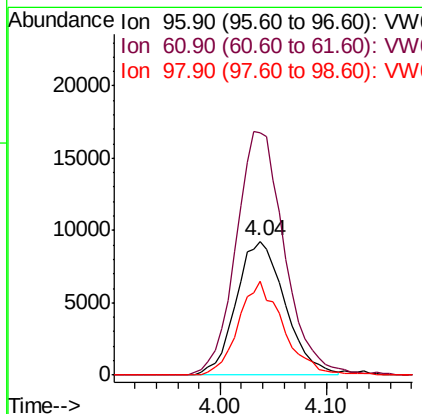
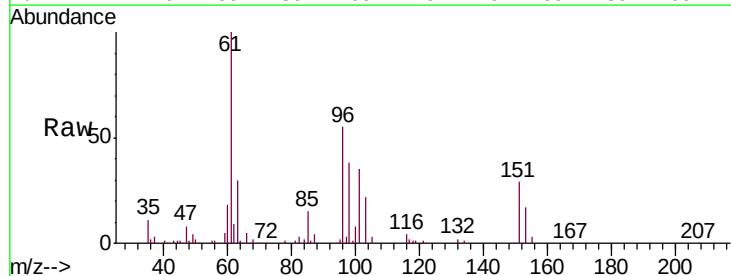
Tgt Ion: 59 Resp: 19608  
 Ion Ratio Lower Upper  
 59 100  
 57 7.2 8.2 12.4#

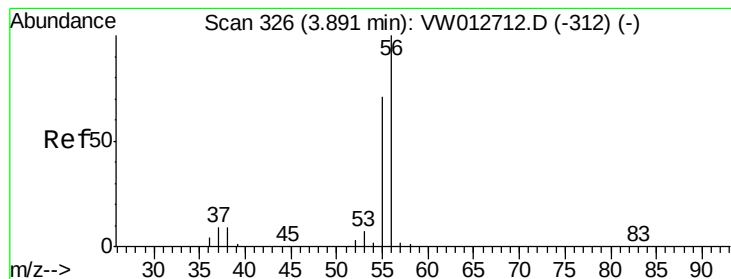


#12

1,1-Dichloroethene  
 Concen: 19.336 ug/l  
 RT: 4.04 min Scan# 350  
 Delta R.T. -0.01 min  
 Lab File: VW012841.D  
 Acq: 10 Sep 2019 00:37

Tgt Ion: 96 Resp: 29801  
 Ion Ratio Lower Upper  
 96 100  
 61 180.5 147.8 221.6  
 98 69.6 47.9 71.9





#13

Acrolein

Concen: 87.845 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW012841.D

Acq: 10 Sep 2019 00:37

Instrument :

MSVOA\_W

ClientSampleId :

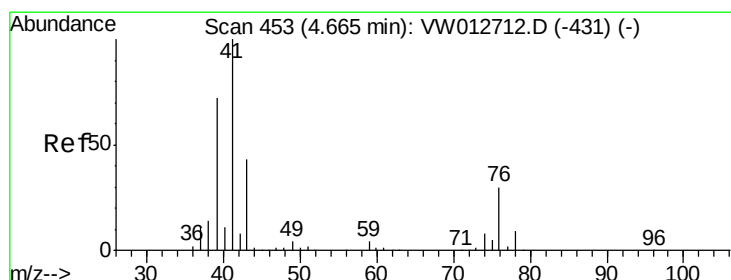
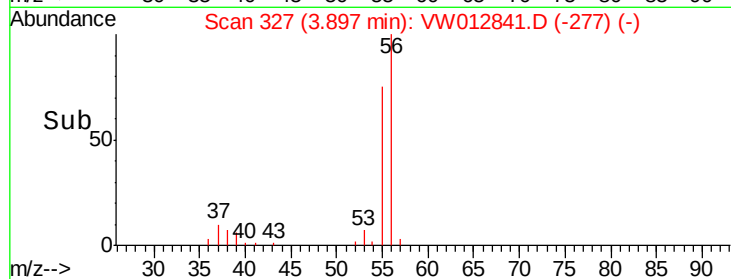
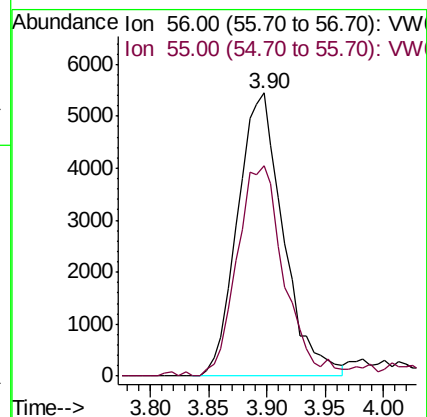
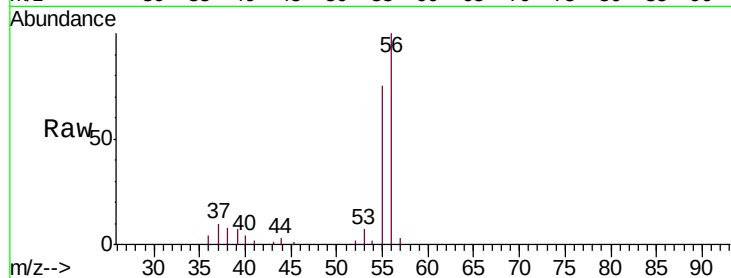
VW0909SBSD02

Tgt Ion: 56 Resp: 14873

Ion Ratio Lower Upper

56 100

55 76.3 56.9 85.3



#14

Allyl chloride

Concen: 18.102 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012841.D

Acq: 10 Sep 2019 00:37

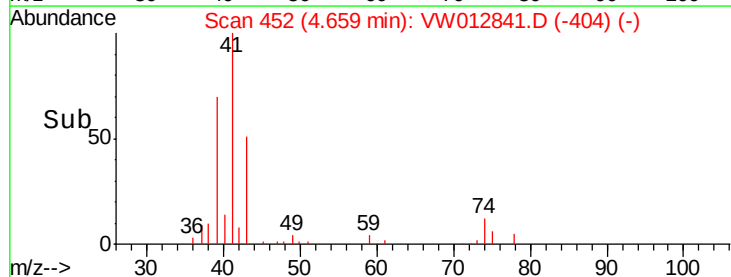
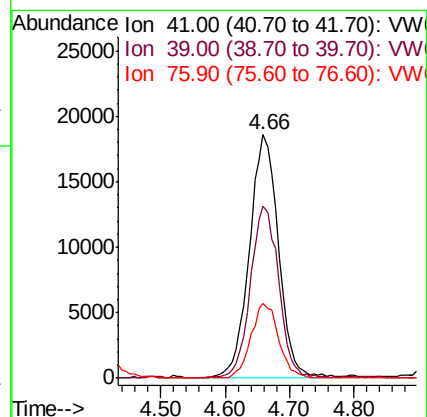
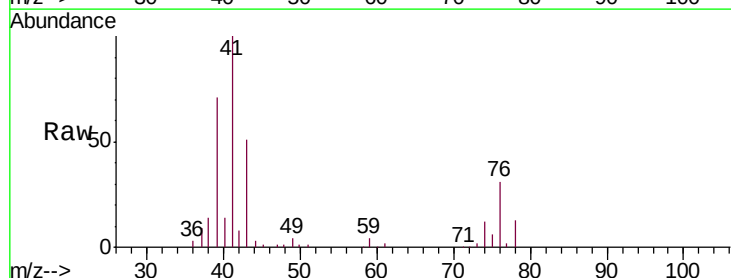
Tgt Ion: 41 Resp: 57714

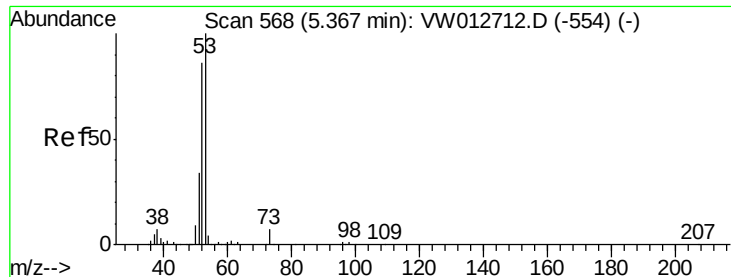
Ion Ratio Lower Upper

41 100

39 68.2 55.0 82.6

76 28.8 23.0 34.4





#15

Acrylonitrile

Concen: 116.075 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW012841.D

Acq: 10 Sep 2019 00:37

Instrument :

MSVOA\_W

ClientSampleId :

VW0909SBSD02

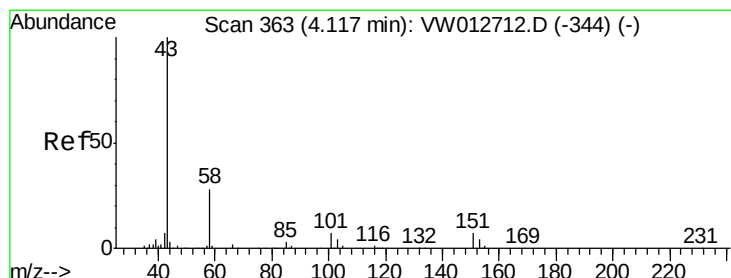
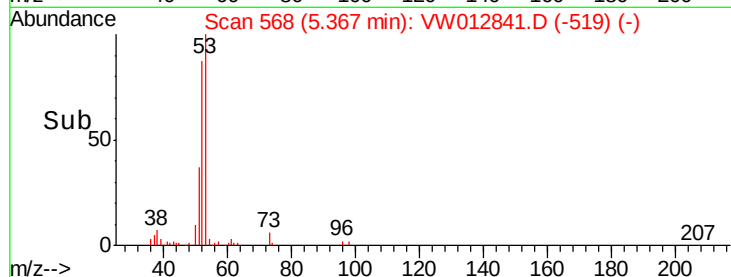
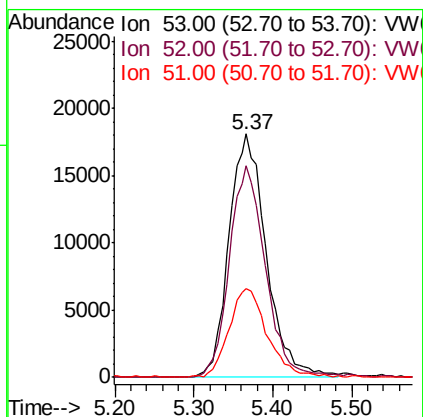
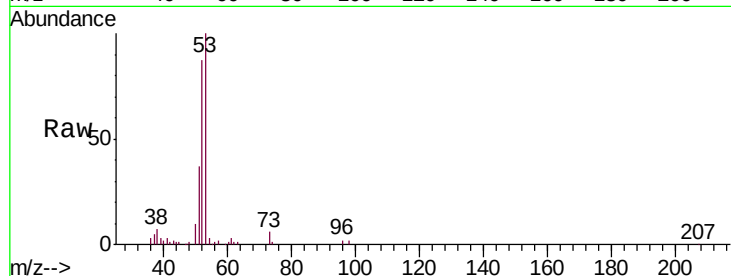
Tgt Ion: 53 Resp: 59283

Ion Ratio Lower Upper

53 100

52 84.4 67.0 100.4

51 37.8 29.8 44.8



#16

Acetone

Concen: 92.460 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW012841.D

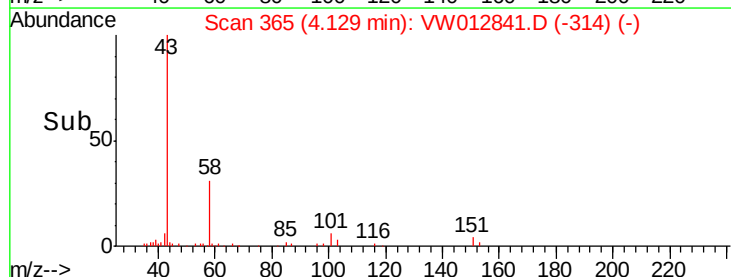
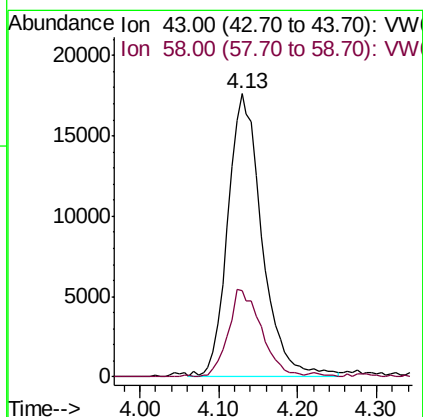
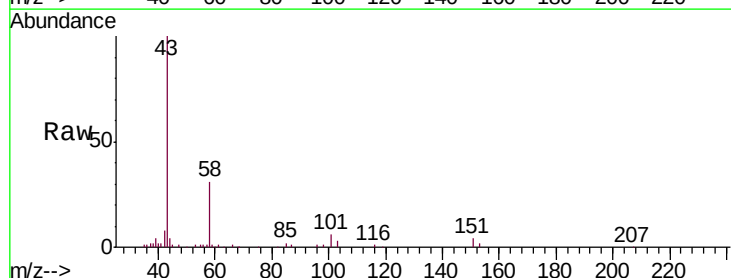
Acq: 10 Sep 2019 00:37

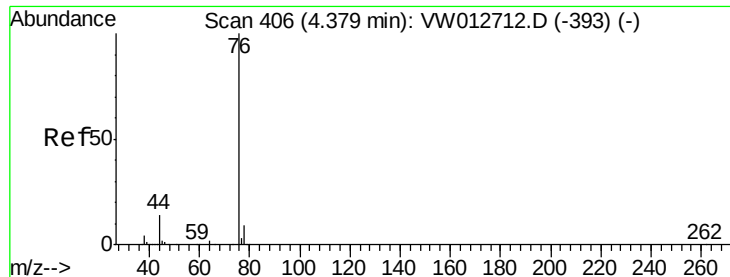
Tgt Ion: 43 Resp: 52563

Ion Ratio Lower Upper

43 100

58 30.4 22.6 33.8

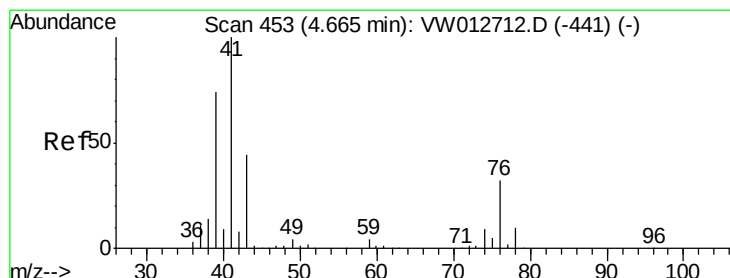
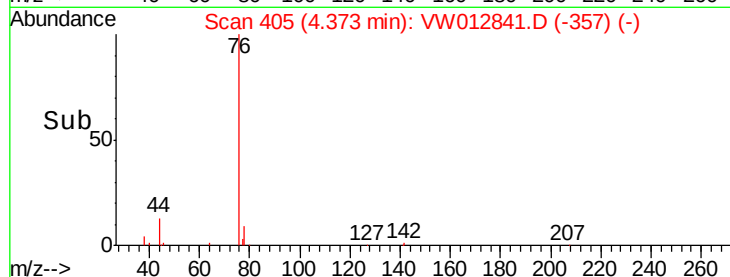
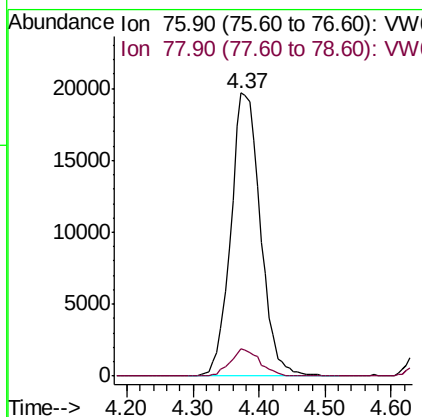
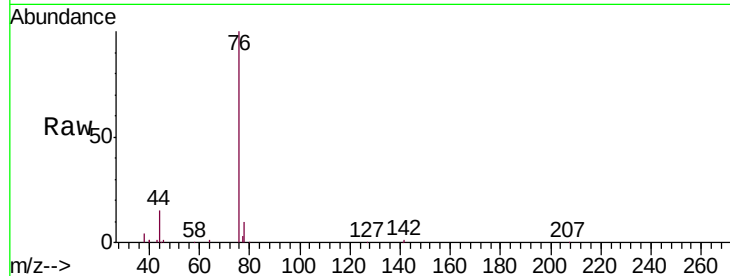




#17  
Carbon Disulfide  
Concen: 18.675 ug/l  
RT: 4.37 min Scan# 405  
Delta R.T. -0.01 min  
Lab File: VW012841.D  
Acq: 10 Sep 2019 00:37

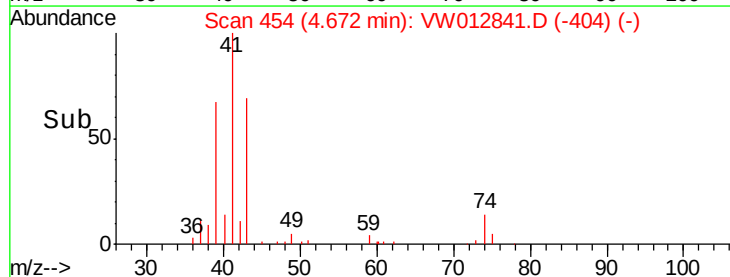
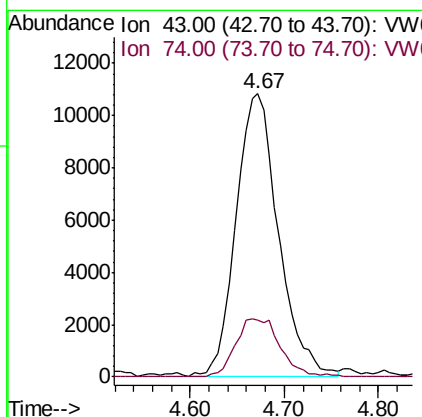
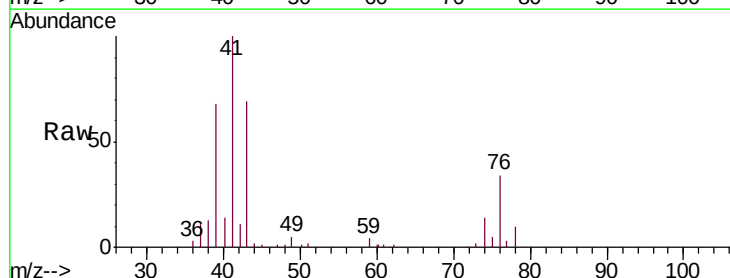
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0909SBSD02

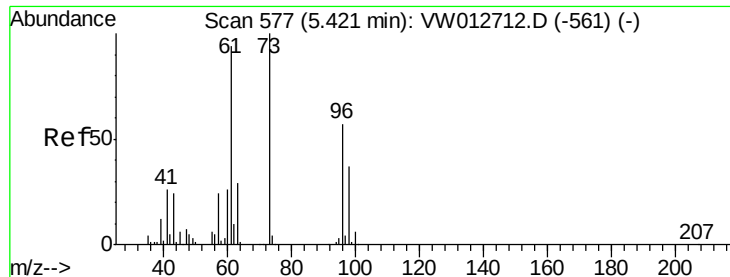
Tgt Ion: 76 Resp: 61097  
Ion Ratio Lower Upper  
76 100  
78 9.8 7.2 10.8



#18  
Methyl Acetate  
Concen: 25.631 ug/l  
RT: 4.67 min Scan# 454  
Delta R.T. 0.01 min  
Lab File: VW012841.D  
Acq: 10 Sep 2019 00:37

Tgt Ion: 43 Resp: 34186  
Ion Ratio Lower Upper  
43 100  
74 21.6 15.8 23.6

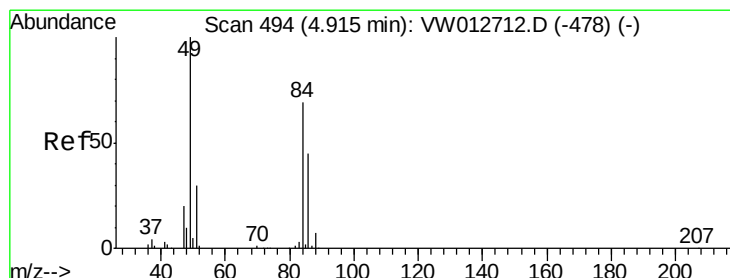
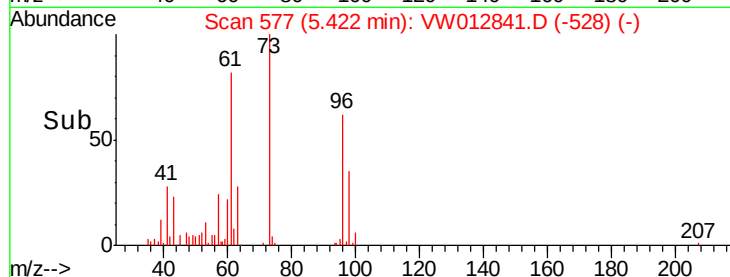
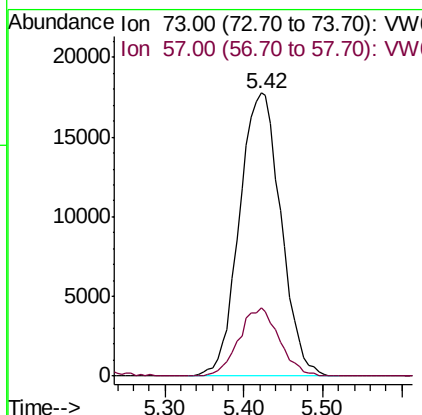
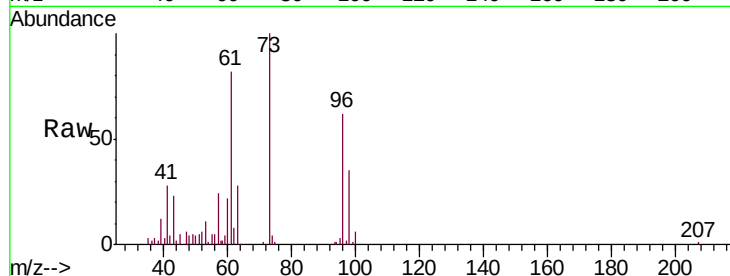




#19  
Methyl tert-butyl Ether  
Concen: 21.244 ug/l  
RT: 5.42 min Scan# 577  
Delta R.T. 0.00 min  
Lab File: VW012841.D  
Acq: 10 Sep 2019 00:37

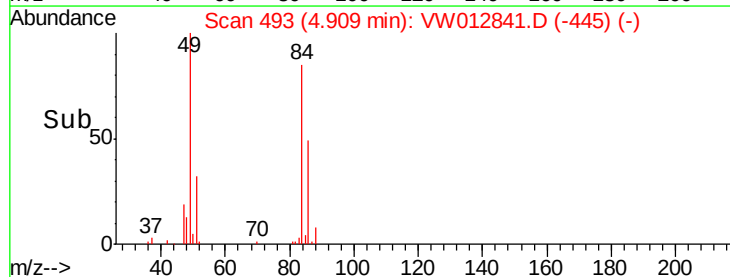
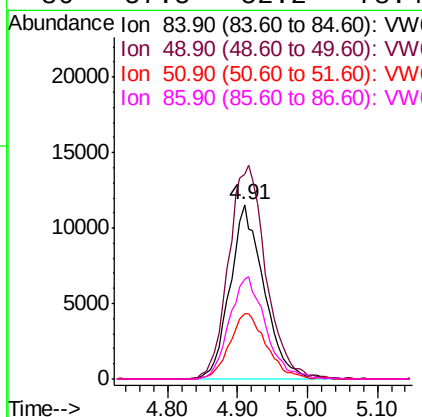
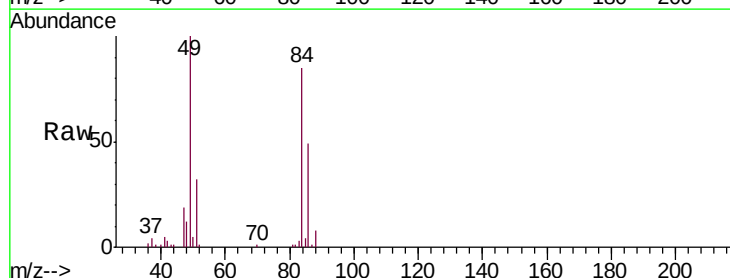
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0909SBSD02

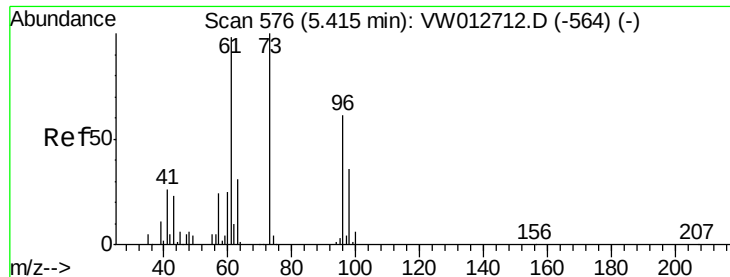
Tgt Ion: 73 Resp: 64935  
Ion Ratio Lower Upper  
73 100  
57 24.1 19.2 28.8



#20  
Methylene Chloride  
Concen: 21.884 ug/l  
RT: 4.91 min Scan# 493  
Delta R.T. -0.01 min  
Lab File: VW012841.D  
Acq: 10 Sep 2019 00:37

Tgt Ion: 84 Resp: 38921  
Ion Ratio Lower Upper  
84 100  
49 117.8 115.4 173.0  
51 37.4 34.9 52.3  
86 57.5 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 20.219 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW012841.D

Acq: 10 Sep 2019 00:37

Instrument :

MSVOA\_W

ClientSampled :

VW0909SBSD02

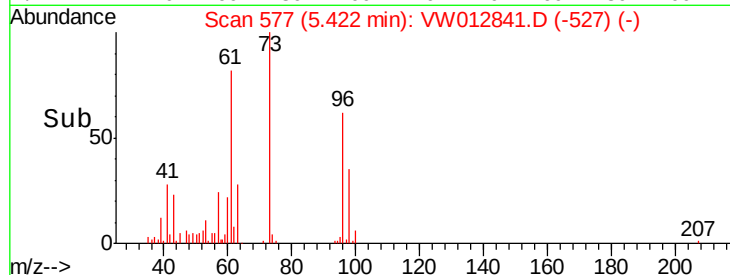
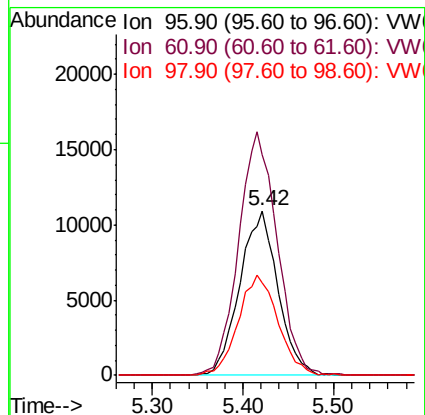
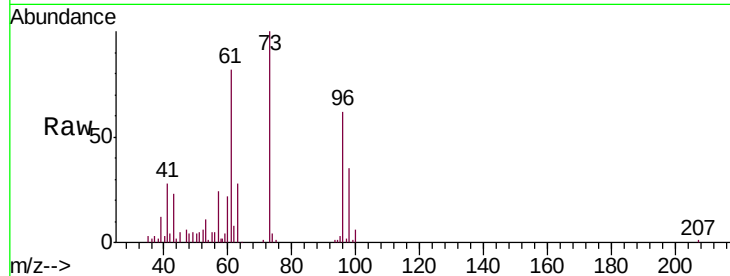
Tgt Ion: 96 Resp: 31797

Ion Ratio Lower Upper

96 100

61 133.7 129.2 193.8

98 56.1 48.0 72.0



#22

Diisopropyl ether

Concen: 19.381 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW012841.D

Acq: 10 Sep 2019 00:37

Tgt Ion: 45 Resp: 122555

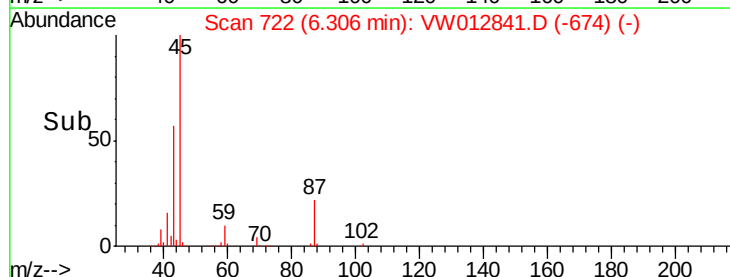
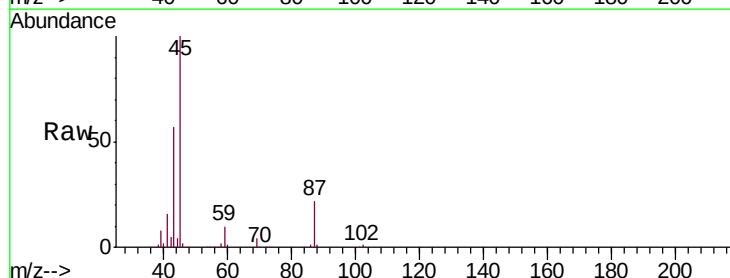
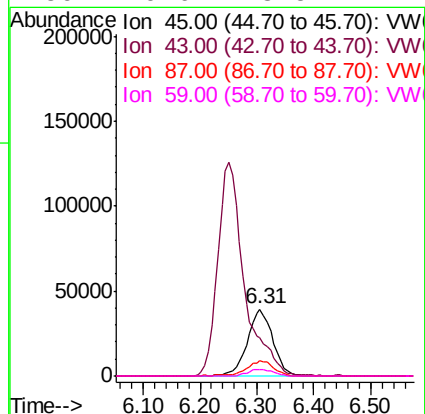
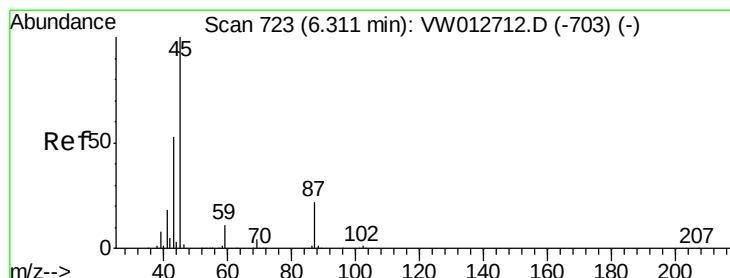
Ion Ratio Lower Upper

45 100

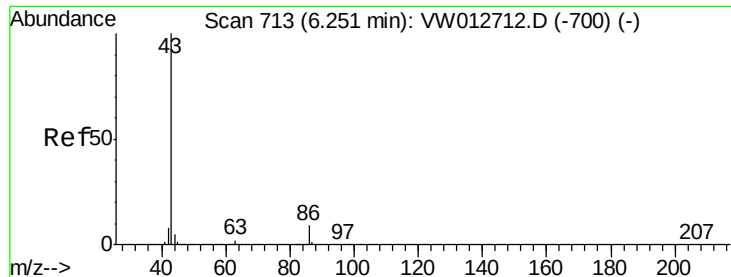
43 56.8 42.3 63.5

87 22.3 18.2 27.2

59 9.6 8.5 12.7







#23

Vinyl Acetate

Concen: 102.003 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW012841.D

Acq: 10 Sep 2019 00:37

Instrument :

MSVOA\_W

ClientSampleId :

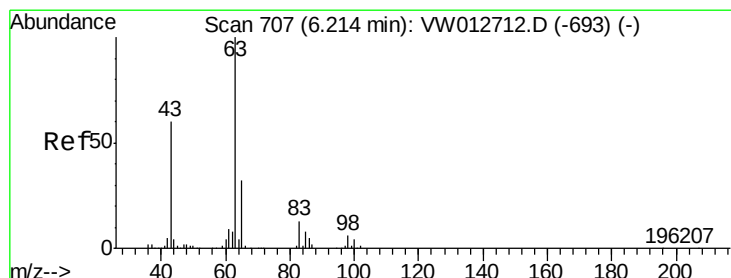
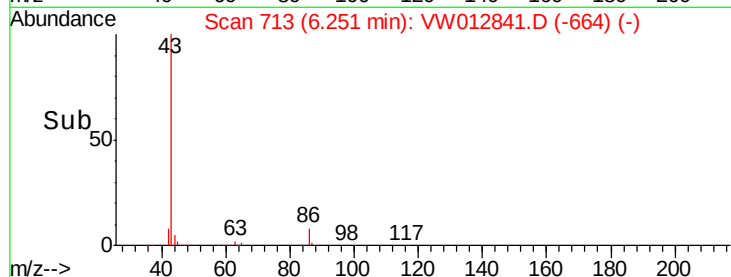
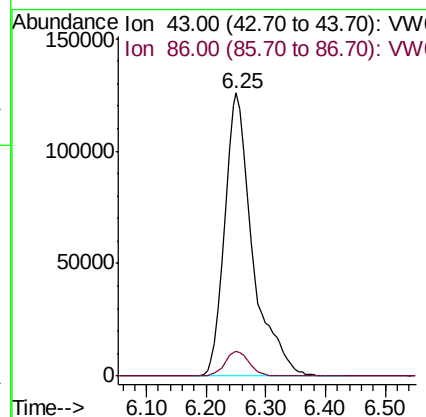
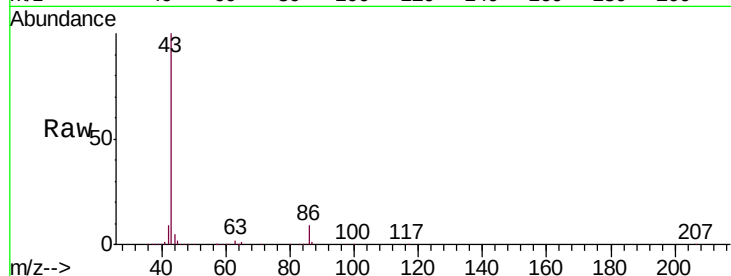
VW0909SBSD02

Tgt Ion: 43 Resp: 408780

Ion Ratio Lower Upper

43 100

86 8.8 7.0 10.6



#24

1,1-Dichloroethane

Concen: 19.285 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW012841.D

Acq: 10 Sep 2019 00:37

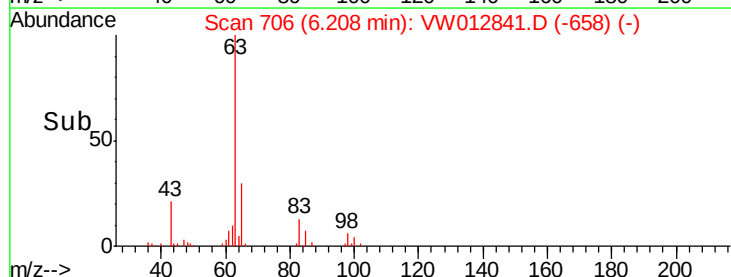
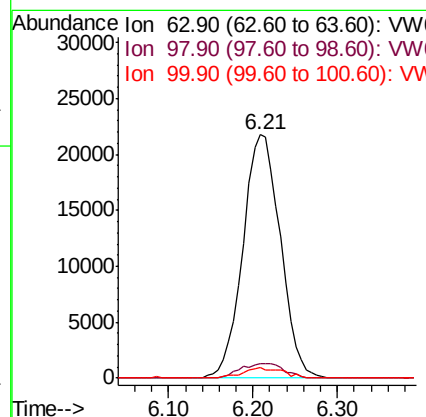
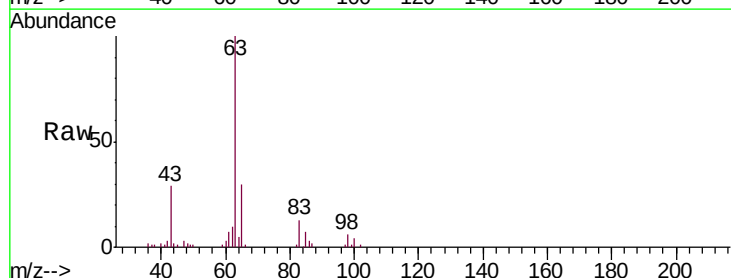
Tgt Ion: 63 Resp: 65662

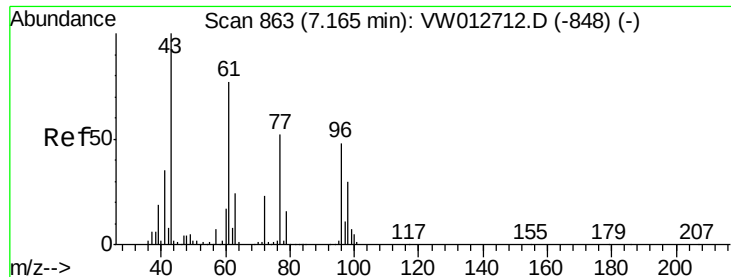
Ion Ratio Lower Upper

63 100

98 6.2 3.1 9.3

100 4.1 1.8 5.5





#25

2-Butanone

Concen: 112.416 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW012841.D

Acq: 10 Sep 2019 00:37

Instrument :

MSVOA\_W

ClientSampled :

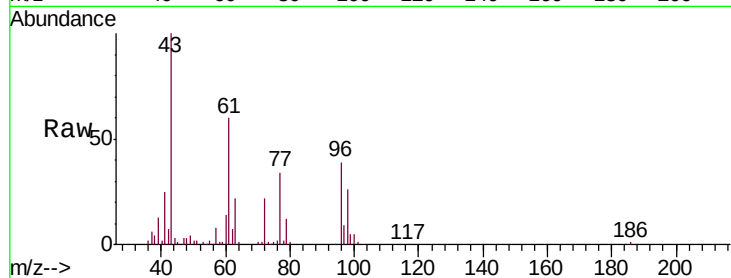
VW0909SBSD02

Tgt Ion: 43 Resp: 84258

Ion Ratio Lower Upper

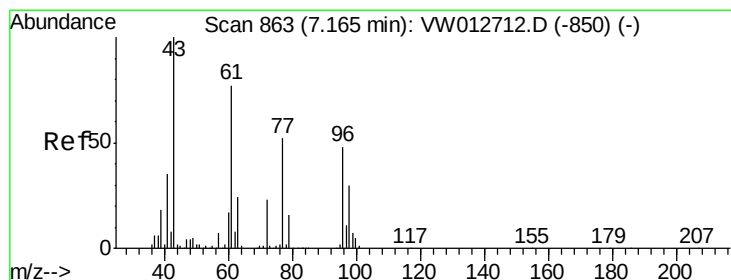
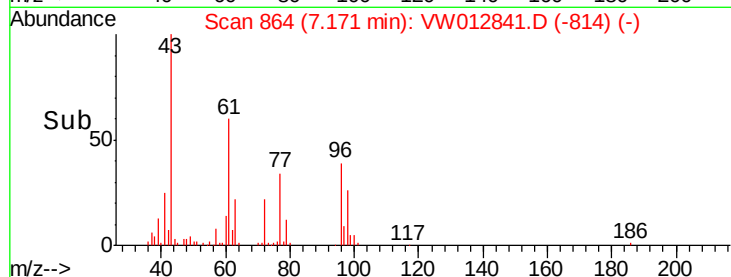
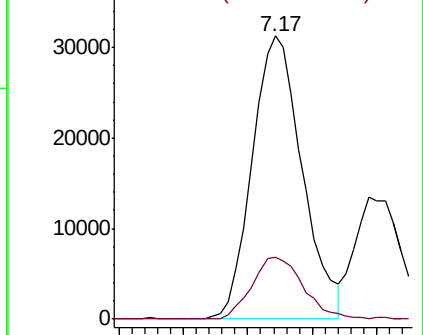
43 100

72 22.0 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 17.715 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW012841.D

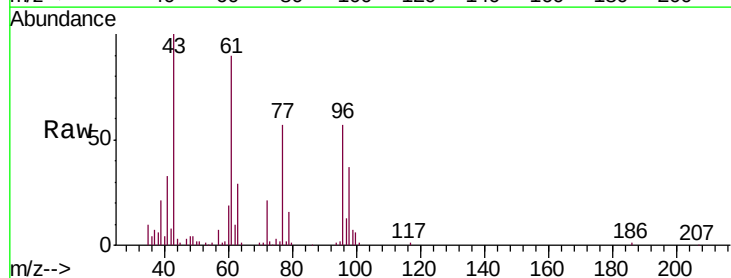
Acq: 10 Sep 2019 00:37

Tgt Ion: 77 Resp: 38095

Ion Ratio Lower Upper

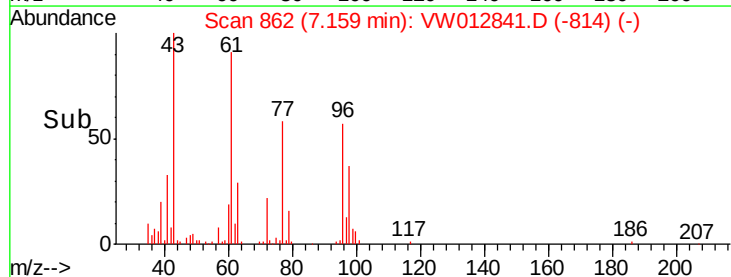
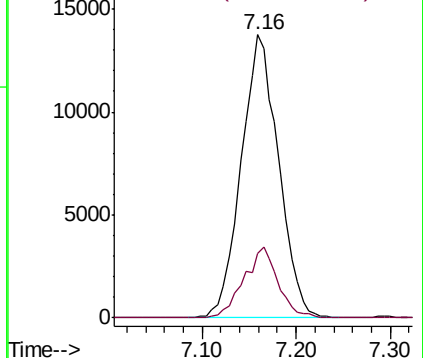
77 100

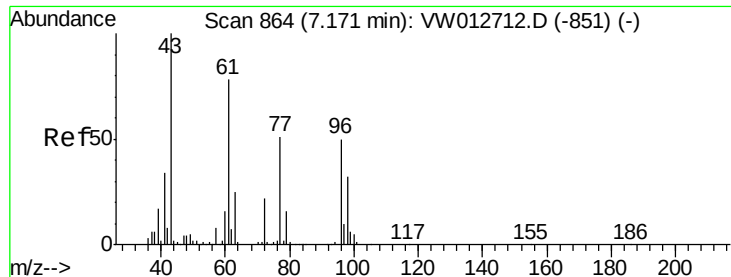
97 22.9 10.7 32.1



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



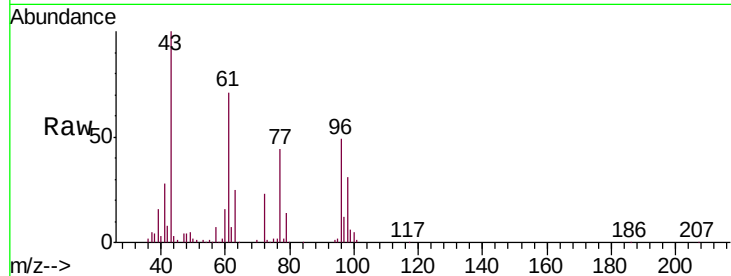


#27

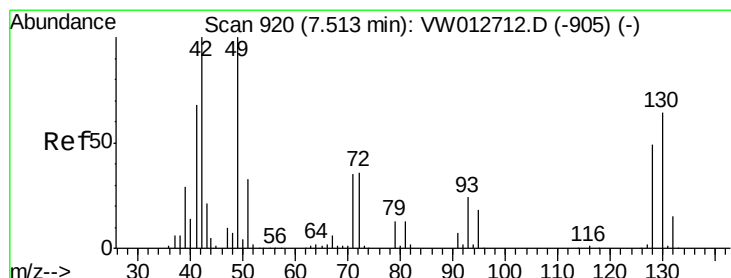
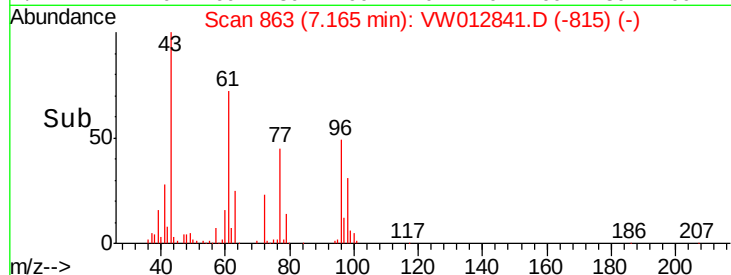
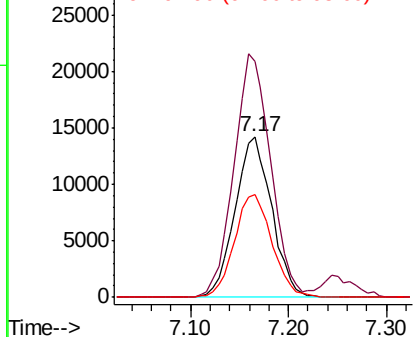
cis-1,2-Dichloroethene  
Concen: 20.173 ug/l  
RT: 7.17 min Scan# 863  
Delta R.T. -0.01 min  
Lab File: VW012841.D  
Acq: 10 Sep 2019 00:37

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0909SBSD02

Tgt Ion: 96 Resp: 36784  
Ion Ratio Lower Upper  
96 100  
61 152.5 0.0 325.8  
98 65.9 0.0 127.0



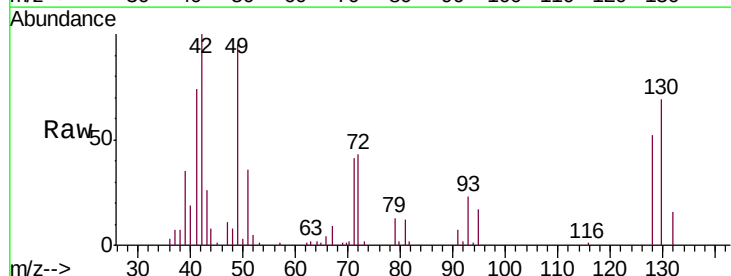
Abundance Ion 95.90 (95.60 to 96.60): VW  
Ion 60.90 (60.60 to 61.60): VW  
Ion 97.90 (97.60 to 98.60): VW



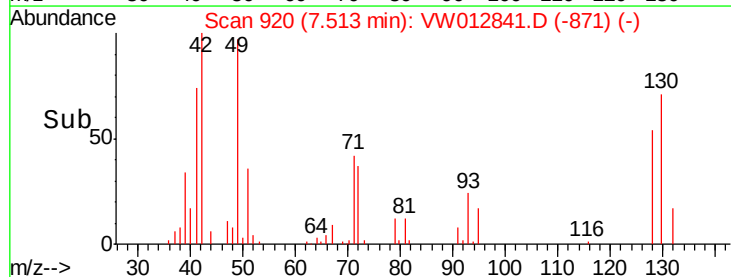
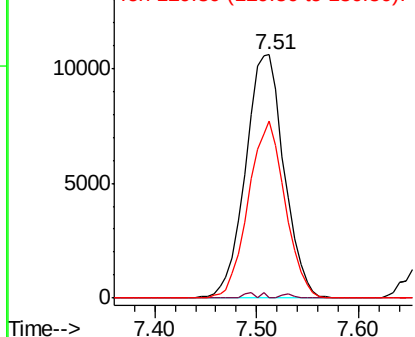
#28

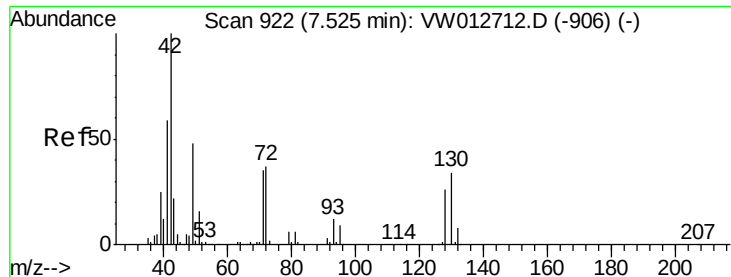
Bromochloromethane  
Concen: 17.860 ug/l  
RT: 7.51 min Scan# 920  
Delta R.T. 0.00 min  
Lab File: VW012841.D  
Acq: 10 Sep 2019 00:37

Tgt Ion: 49 Resp: 27922  
Ion Ratio Lower Upper  
49 100  
129 0.8 0.0 0.8#  
130 68.8 49.8 74.8



Abundance Ion 48.90 (48.60 to 49.60): VW  
Ion 128.80 (128.50 to 129.50): V  
Ion 129.80 (129.50 to 130.50): V

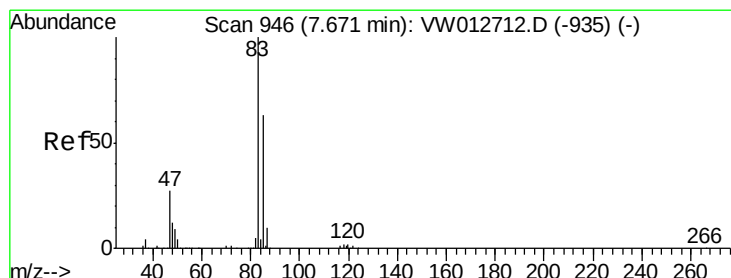
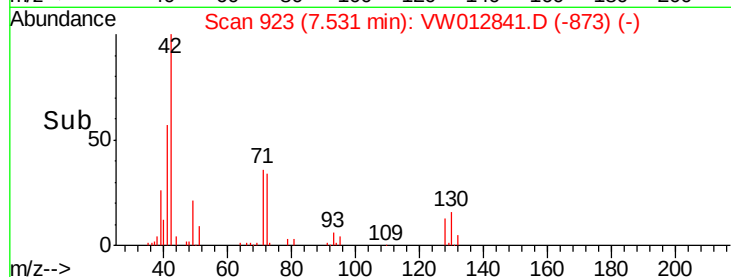
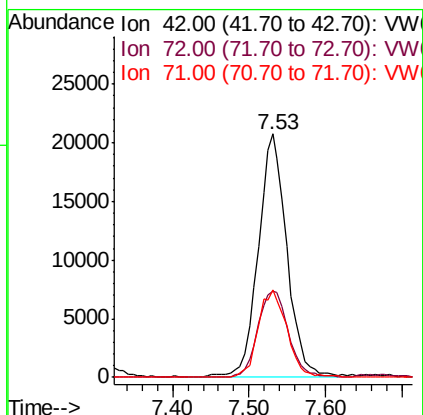
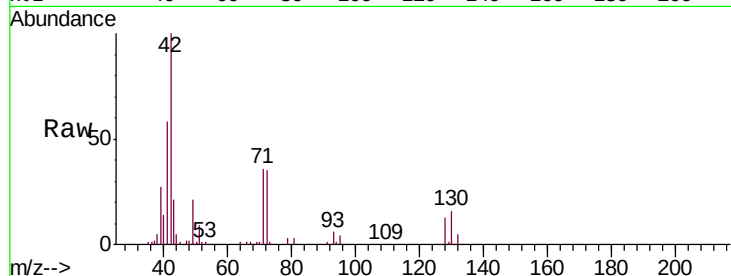




#29  
Tetrahydrofuran  
Concen: 118.304 ug/l  
RT: 7.53 min Scan# 923  
Delta R.T. 0.01 min  
Lab File: VW012841.D  
Acq: 10 Sep 2019 00:37

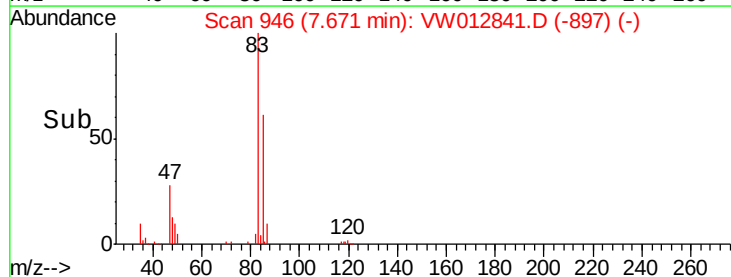
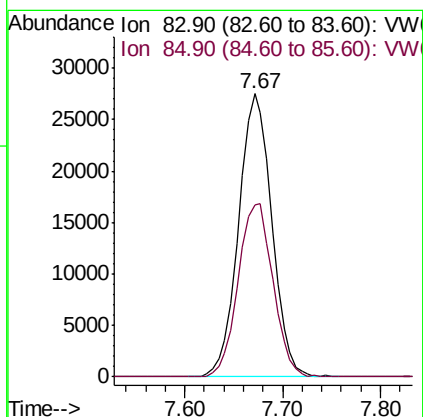
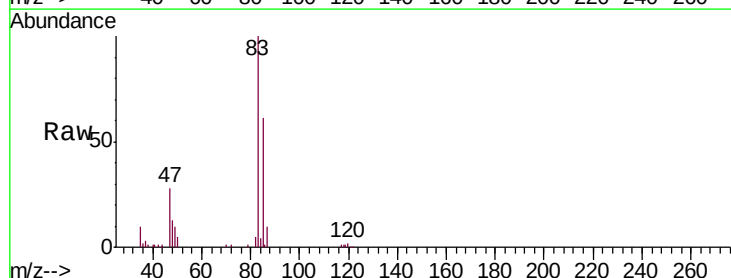
Instrument :  
MSVOA\_W  
ClientSampled :  
VW0909SBSD02

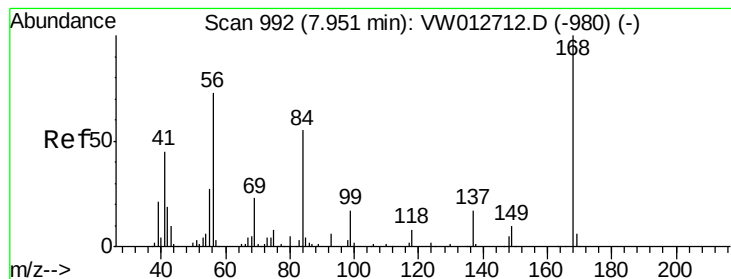
Tgt Ion: 42 Resp: 54311  
Ion Ratio Lower Upper  
42 100  
72 37.9 28.4 42.6  
71 36.1 27.1 40.7



#30  
Chloroform  
Concen: 19.241 ug/l  
RT: 7.67 min Scan# 946  
Delta R.T. 0.00 min  
Lab File: VW012841.D  
Acq: 10 Sep 2019 00:37

Tgt Ion: 83 Resp: 64928  
Ion Ratio Lower Upper  
83 100  
85 60.9 50.6 76.0





#31

Cyclohexane

Concen: 19.280 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW012841.D

Acq: 10 Sep 2019 00:37

Instrument :

MSVOA\_W

ClientSampleId :

VW0909SBSD02

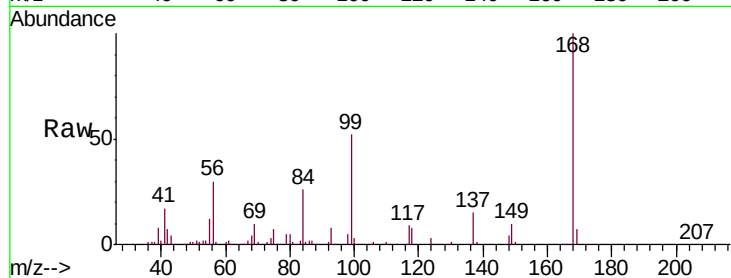
Tgt Ion: 56 Resp: 59098

Ion Ratio Lower Upper

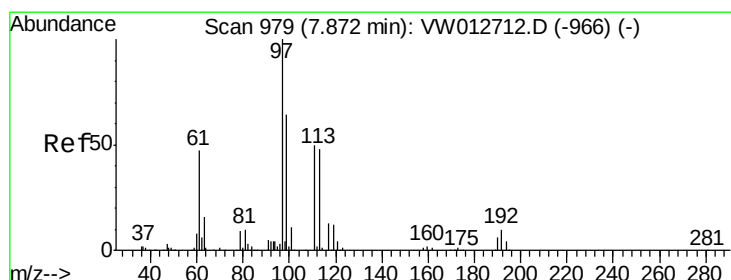
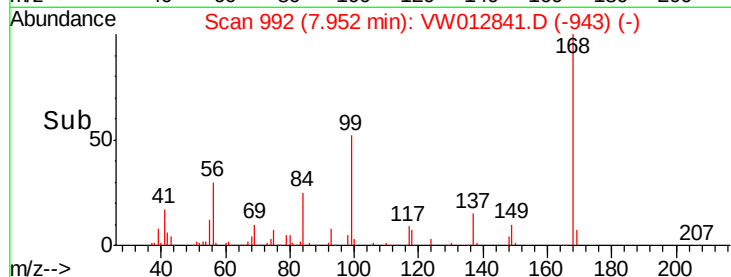
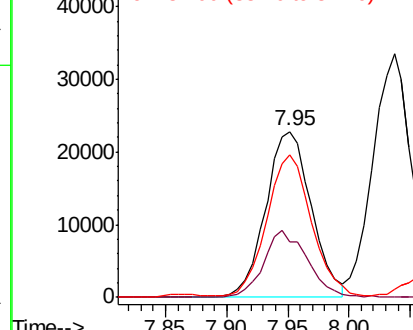
56 100

69 33.5 25.7 38.5

84 84.4 60.4 90.6



Abundance Ion 56.00 (55.70 to 56.70): VW  
Ion 69.00 (68.70 to 69.70): VW  
Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 19.493 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW012841.D

Acq: 10 Sep 2019 00:37

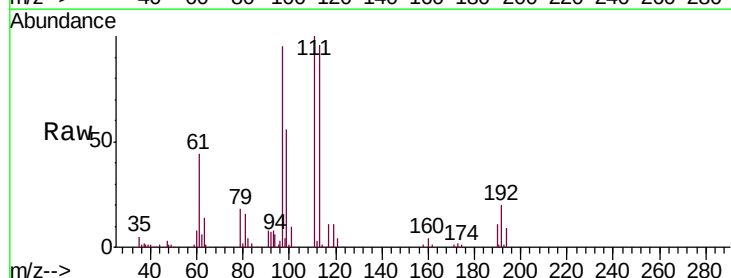
Tgt Ion: 97 Resp: 53318

Ion Ratio Lower Upper

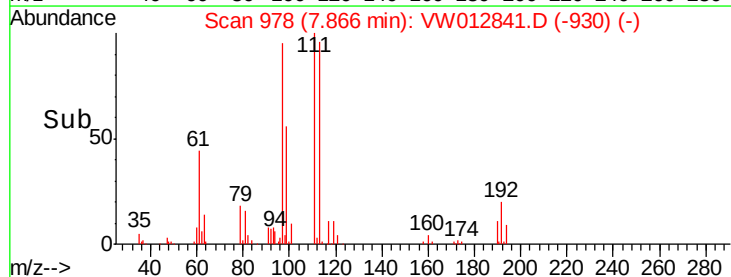
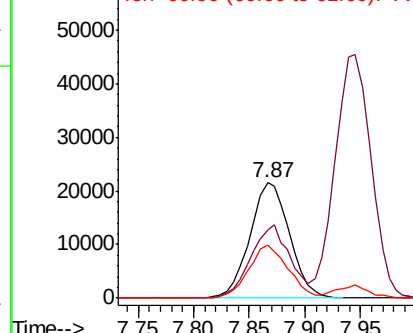
97 100

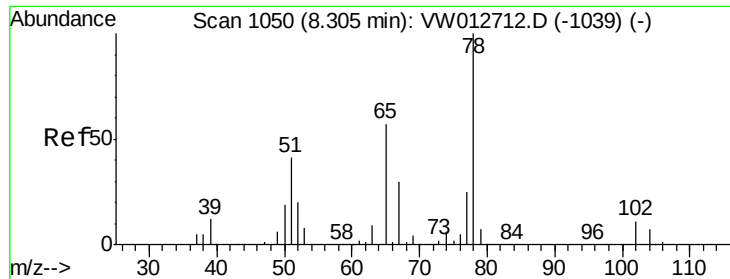
99 62.8 51.5 77.3

61 46.2 37.9 56.9



Abundance Ion 96.90 (96.60 to 97.60): VW  
Ion 98.90 (98.60 to 99.60): VW  
Ion 60.90 (60.60 to 61.60): VW

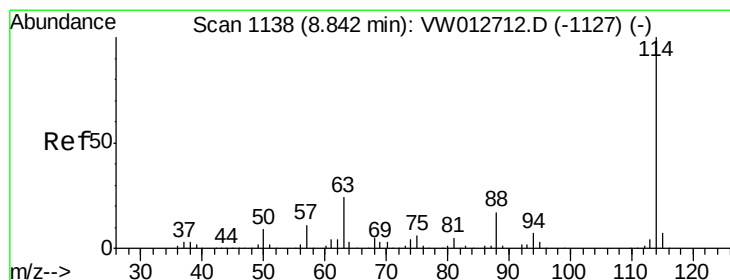
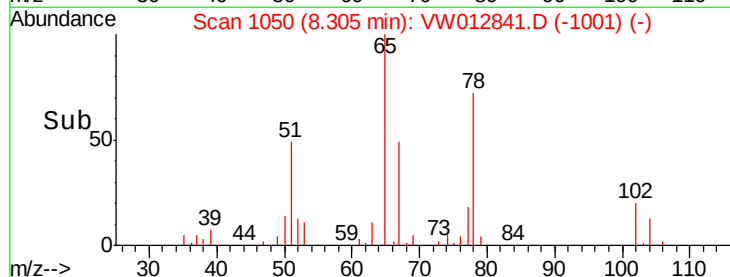
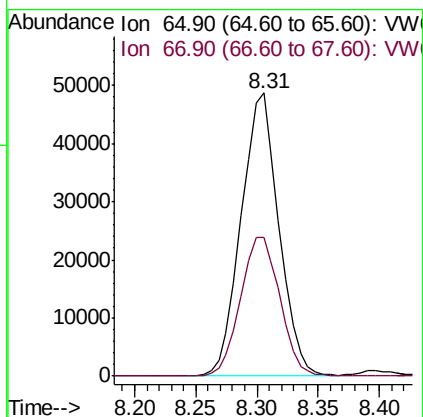
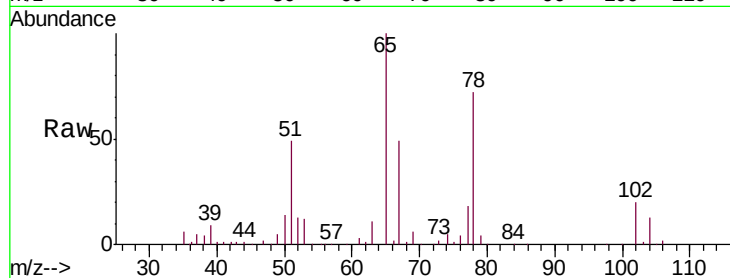




#33  
 1,2-Dichloroethane-d4  
 Concen: 50.185 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. 0.00 min  
 Lab File: VW012841.D  
 Acq: 10 Sep 2019 00:37

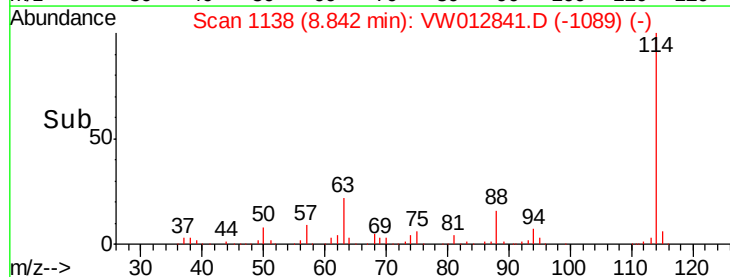
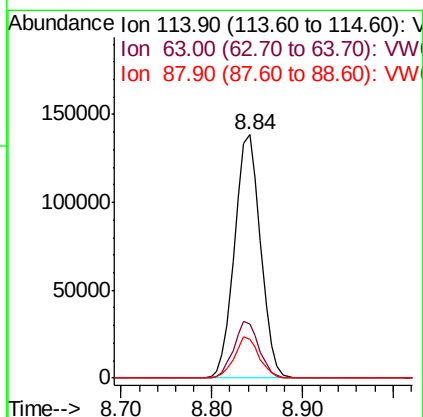
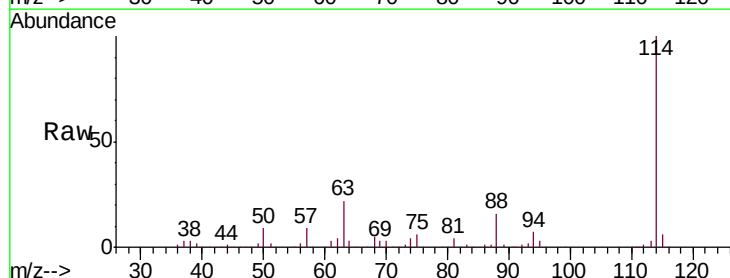
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0909SBSD02

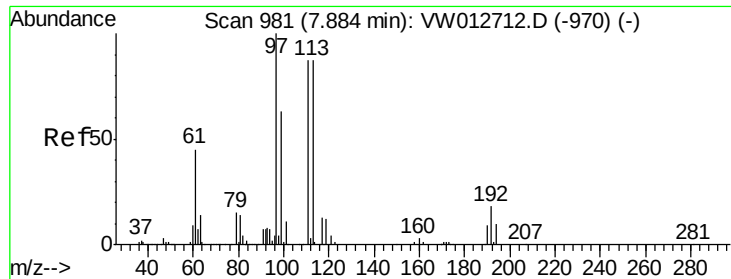
Tgt Ion: 65 Resp: 104650  
 Ion Ratio Lower Upper  
 65 100  
 67 51.2 0.0 101.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. 0.00 min  
 Lab File: VW012841.D  
 Acq: 10 Sep 2019 00:37

Tgt Ion: 114 Resp: 275918  
 Ion Ratio Lower Upper  
 114 100  
 63 22.3 0.0 47.2  
 88 15.8 0.0 34.0

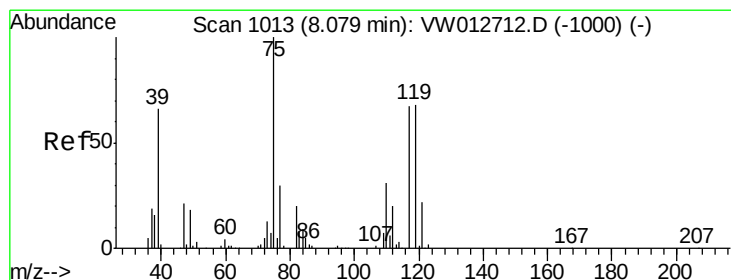
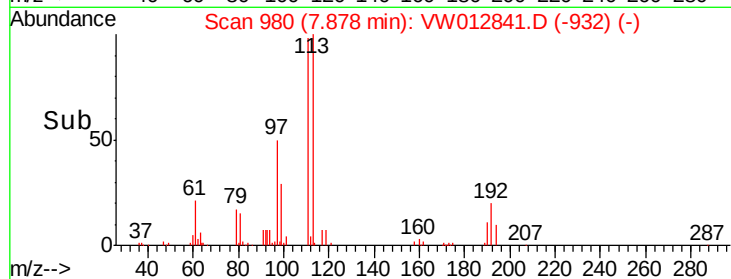
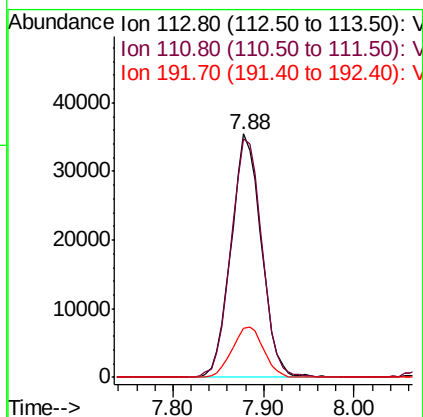
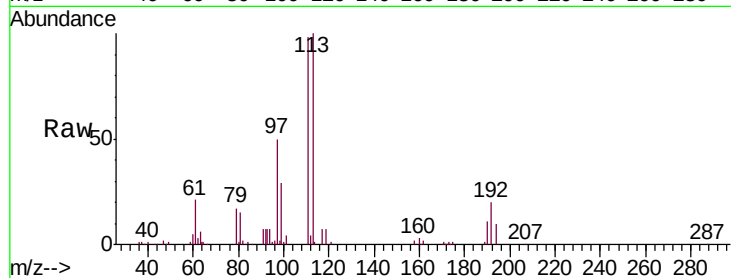




#35  
 Dibromofluoromethane  
 Concen: 50.048 ug/l  
 RT: 7.88 min Scan# 980  
 Delta R.T. -0.01 min  
 Lab File: VW012841.D  
 Acq: 10 Sep 2019 00:37

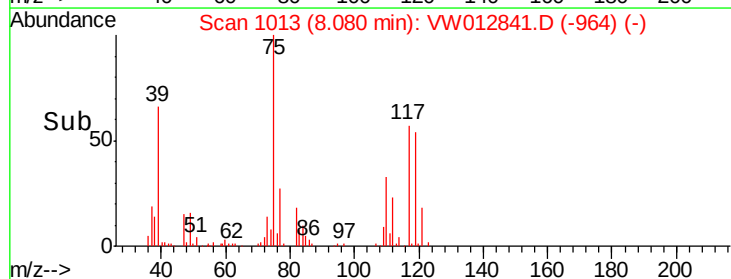
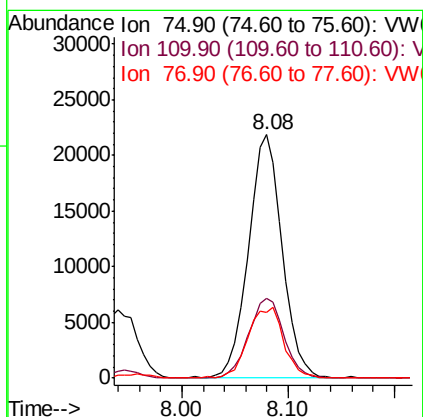
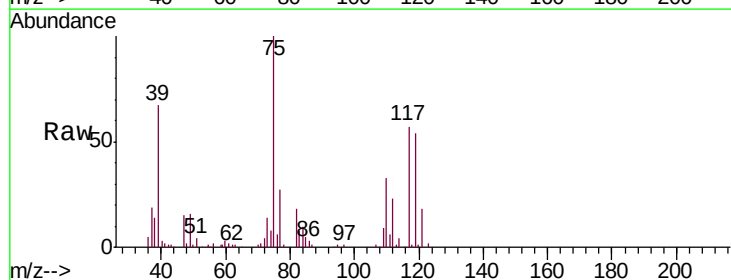
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0909SBSD02

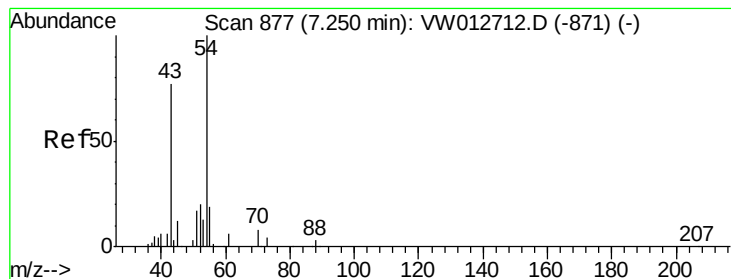
Tgt Ion: 113 Resp: 82100  
 Ion Ratio Lower Upper  
 113 100  
 111 101.0 80.2 120.4  
 192 21.5 17.3 25.9



#36  
 1,1-Dichloropropene  
 Concen: 19.792 ug/l  
 RT: 8.08 min Scan# 1013  
 Delta R.T. 0.00 min  
 Lab File: VW012841.D  
 Acq: 10 Sep 2019 00:37

Tgt Ion: 75 Resp: 48521  
 Ion Ratio Lower Upper  
 75 100  
 110 34.3 15.9 47.7  
 77 30.9 25.0 37.4





#37

Ethyl Acetate

Concen: 22.572 ug/l

RT: 7.24 min Scan# 876

Delta R.T. -0.01 min

Lab File: VW012841.D

Acq: 10 Sep 2019 00:37

Instrument :

MSVOA\_W

ClientSampleId :

VW0909SBS02

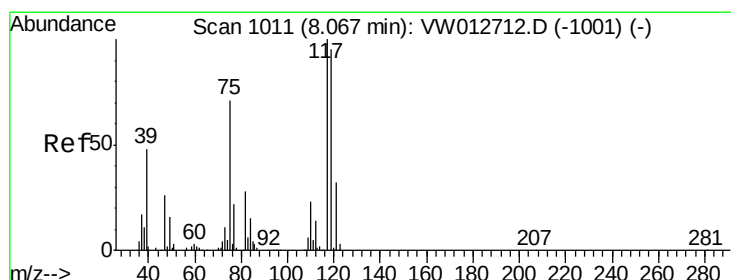
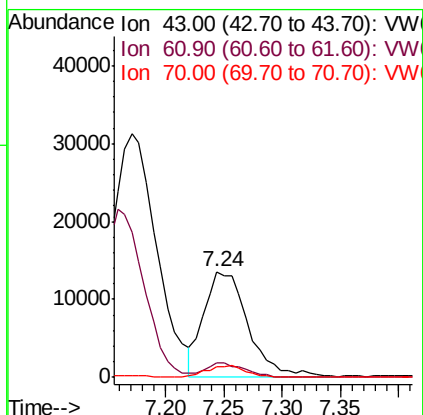
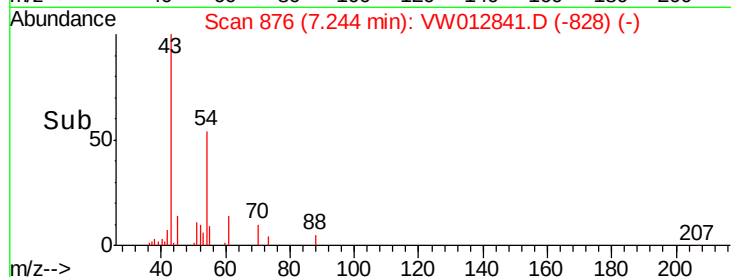
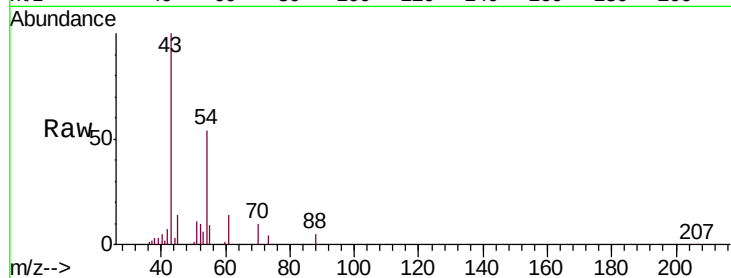
Tgt Ion: 43 Resp: 35276

Ion Ratio Lower Upper

43 100

61 12.7 9.5 14.3

70 10.2 7.0 10.6



#38

Carbon Tetrachloride

Concen: 19.562 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW012841.D

Acq: 10 Sep 2019 00:37

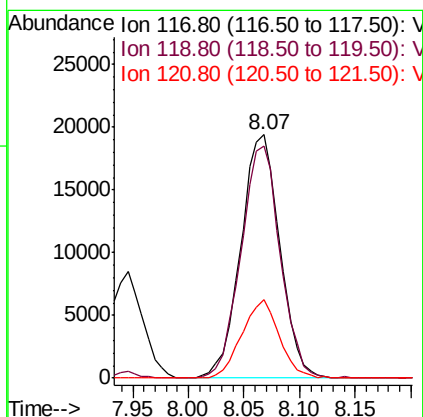
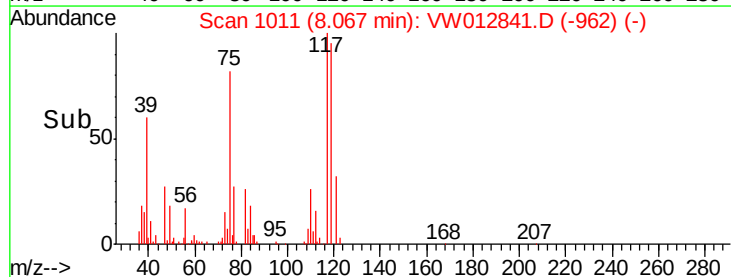
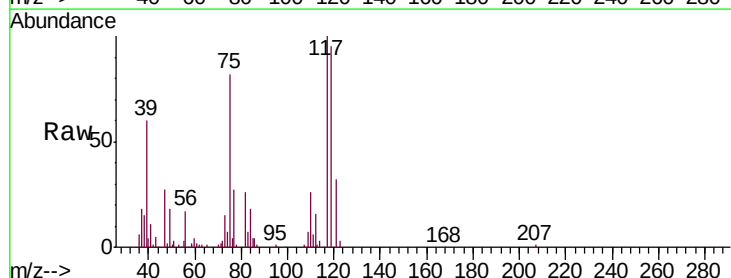
Tgt Ion: 117 Resp: 47275

Ion Ratio Lower Upper

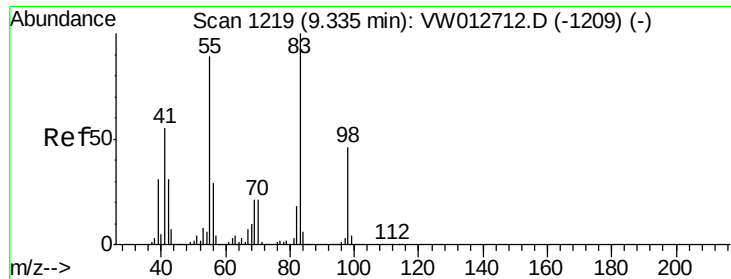
117 100

119 95.2 76.2 114.2

121 32.1 25.4 38.2



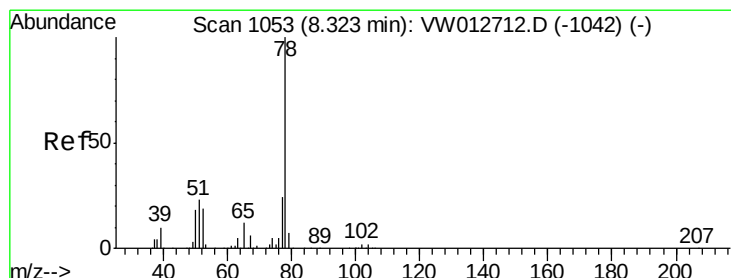
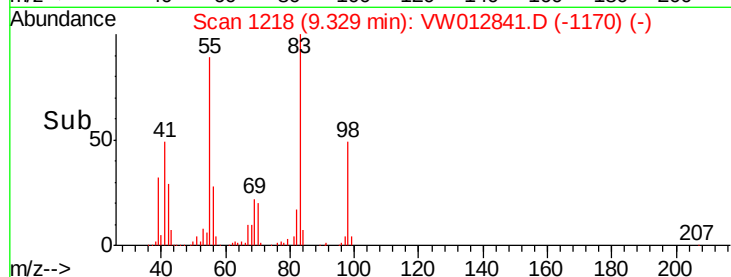
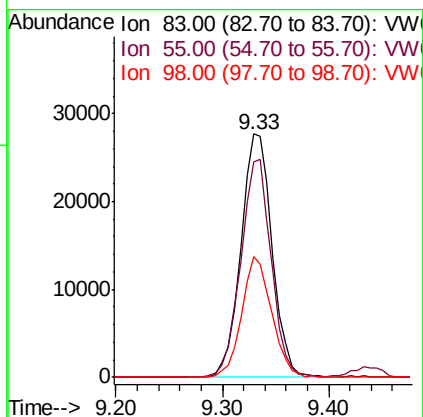
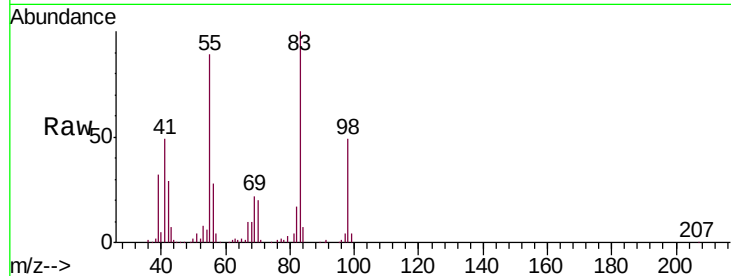




#39  
Methylcyclohexane  
Concen: 20.633 ug/l  
RT: 9.33 min Scan# 1219  
Delta R.T. -0.01 min  
Lab File: VW012841.D  
Acq: 10 Sep 2019 00:37

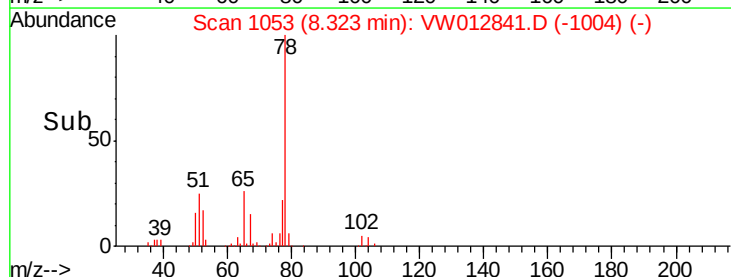
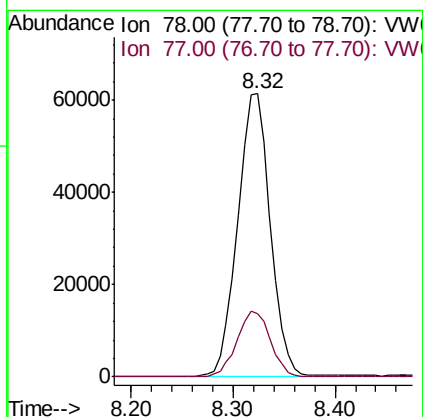
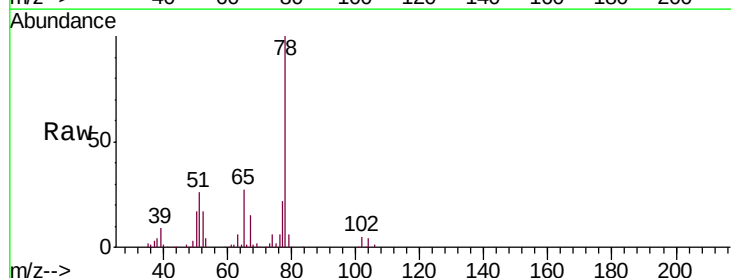
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0909SBSD02

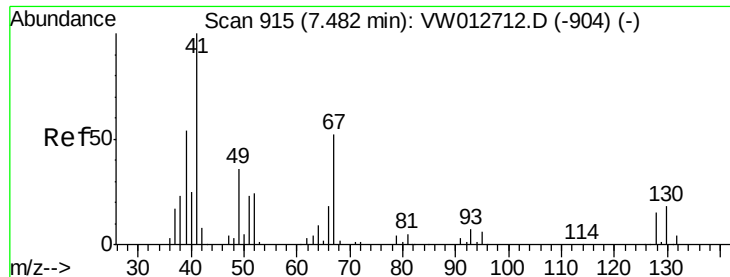
Tgt Ion: 83 Resp: 56812  
Ion Ratio Lower Upper  
83 100  
55 88.7 71.0 106.4  
98 49.4 36.9 55.3



#40  
Benzene  
Concen: 20.117 ug/l  
RT: 8.32 min Scan# 1053  
Delta R.T. 0.00 min  
Lab File: VW012841.D  
Acq: 10 Sep 2019 00:37

Tgt Ion: 78 Resp: 136836  
Ion Ratio Lower Upper  
78 100  
77 22.4 19.3 28.9

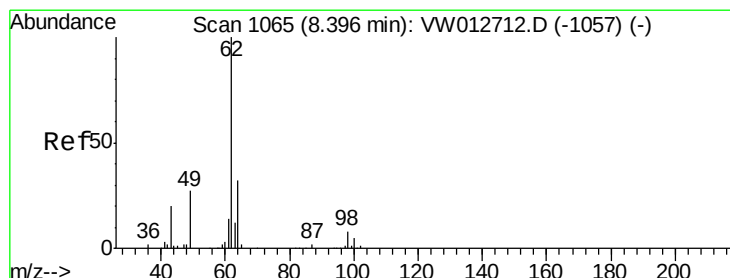
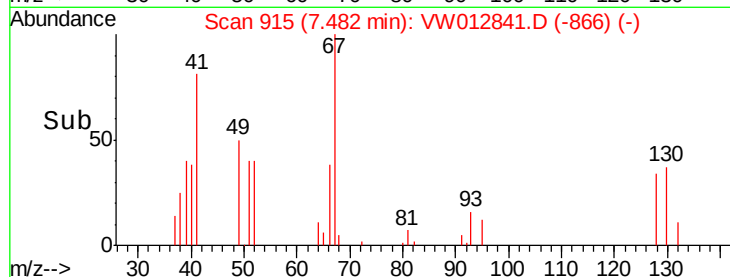
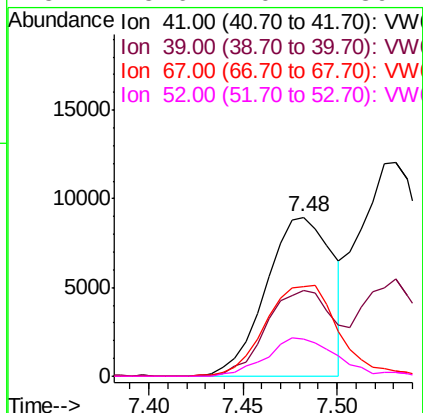
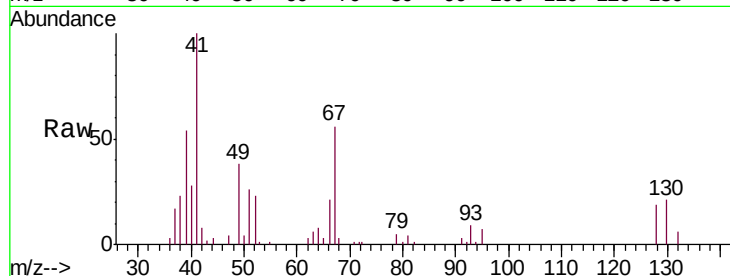




#41  
Methacrylonitrile  
Concen: 22.971 ug/l  
RT: 7.48 min Scan# 915  
Delta R.T. 0.00 min  
Lab File: VW012841.D  
Acq: 10 Sep 2019 00:37

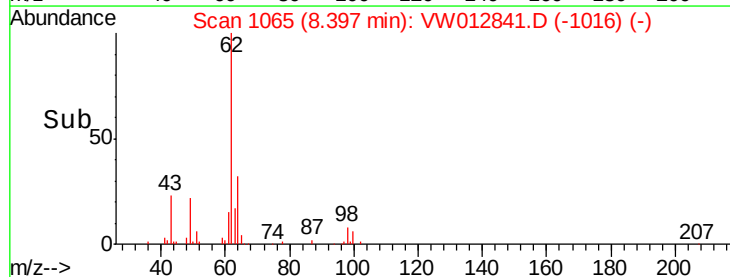
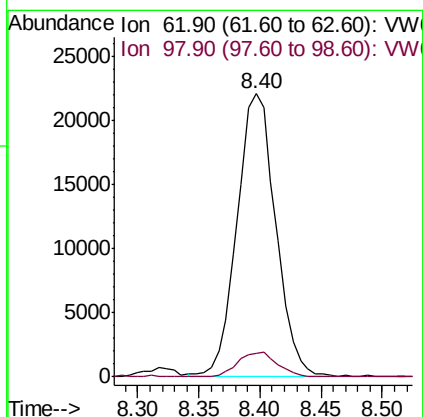
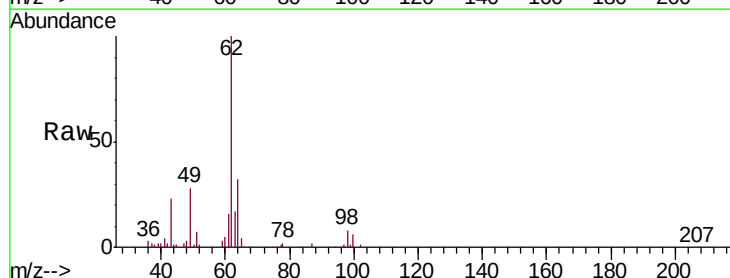
Instrument :  
MSVOA\_W  
ClientSampled :  
VW0909SBS02

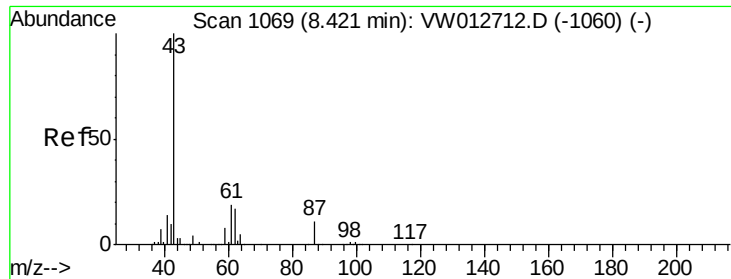
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 22016 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 57.1  | 47.5  | 71.3  |
| 67       | 62.7  | 45.1  | 67.7  |
| 52       | 25.6  | 20.2  | 30.2  |



#42  
1,2-Dichloroethane  
Concen: 20.348 ug/l  
RT: 8.40 min Scan# 1065  
Delta R.T. 0.00 min  
Lab File: VW012841.D  
Acq: 10 Sep 2019 00:37

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 48710 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 9.0   | 0.0   | 16.2  |





#43

Isopropyl Acetate

Concen: 22.419 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW012841.D

Acq: 10 Sep 2019 00:37

Instrument :

MSVOA\_W

ClientSampleId :

VW0909SBSD02

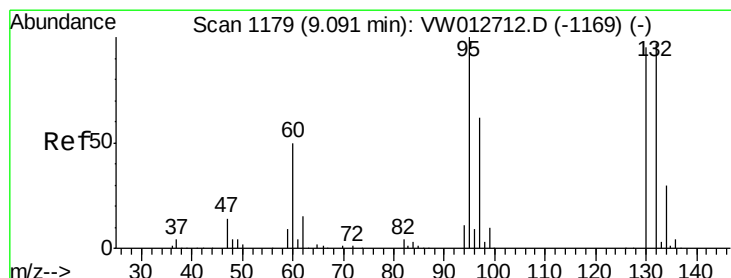
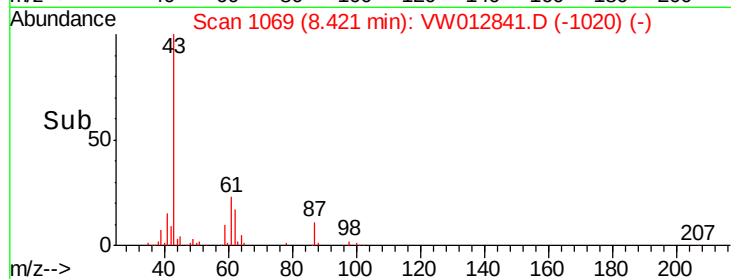
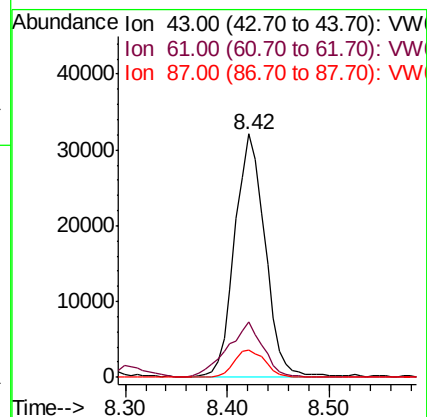
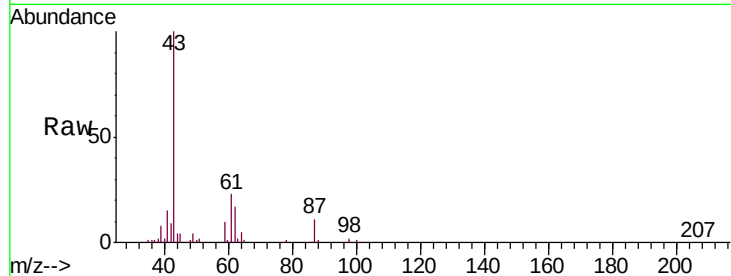
Tgt Ion: 43 Resp: 66379

Ion Ratio Lower Upper

43 100

61 26.8 20.6 30.8

87 11.5 8.6 13.0



#44

Trichloroethene

Concen: 20.705 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW012841.D

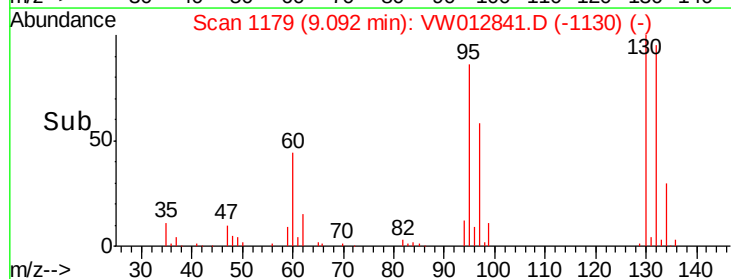
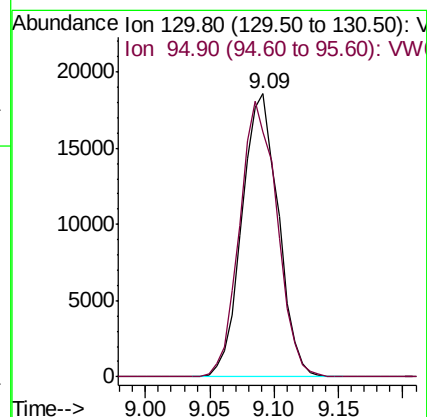
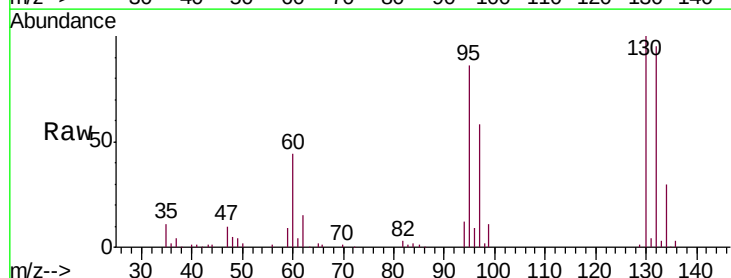
Acq: 10 Sep 2019 00:37

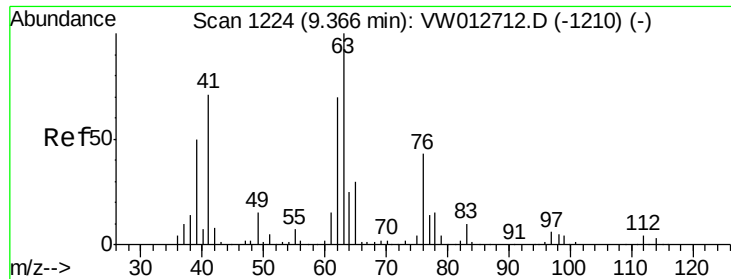
Tgt Ion: 130 Resp: 36303

Ion Ratio Lower Upper

130 100

95 86.5 0.0 210.6

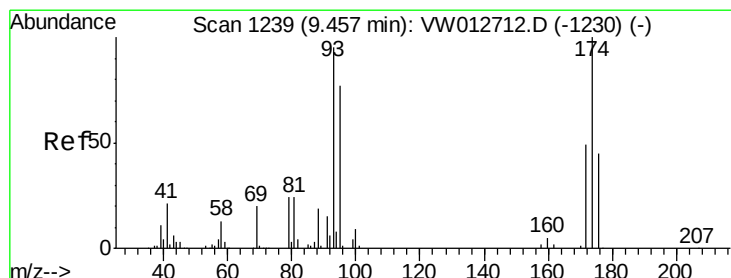
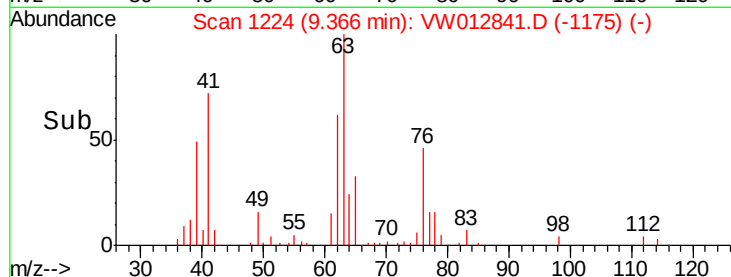
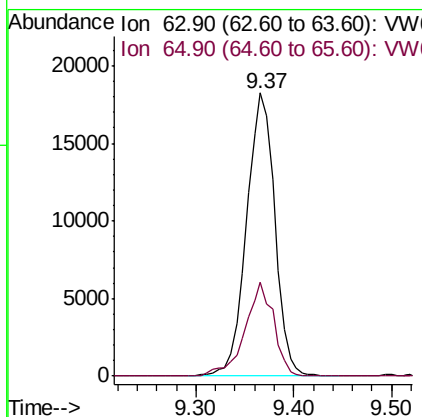
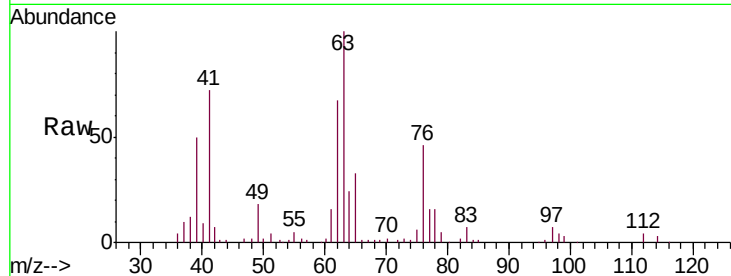




#45  
 1,2-Dichloropropane  
 Concen: 19.379 ug/l  
 RT: 9.37 min Scan# 1224  
 Delta R.T. 0.00 min  
 Lab File: VW012841.D  
 Acq: 10 Sep 2019 00:37

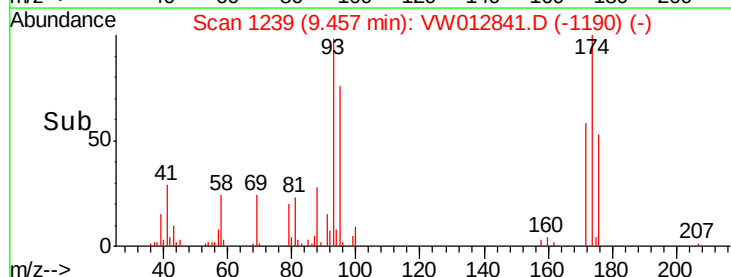
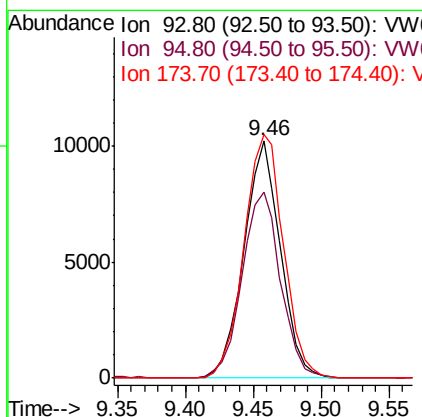
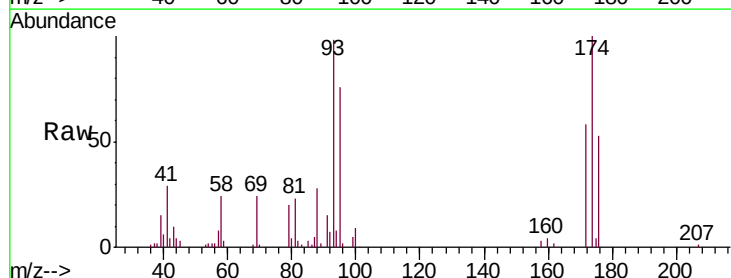
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0909SBSD02

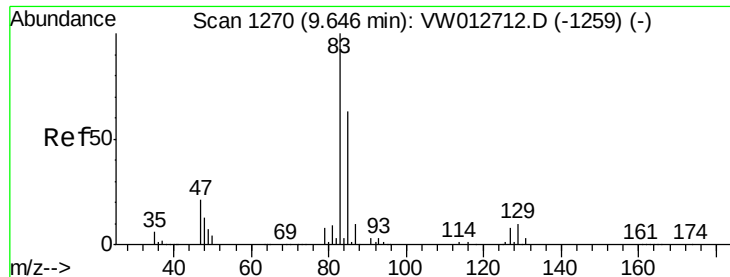
Tgt Ion: 63 Resp: 36560  
 Ion Ratio Lower Upper  
 63 100  
 65 33.2 23.8 35.8



#46  
 Dibromomethane  
 Concen: 21.510 ug/l  
 RT: 9.46 min Scan# 1239  
 Delta R.T. 0.00 min  
 Lab File: VW012841.D  
 Acq: 10 Sep 2019 00:37

Tgt Ion: 93 Resp: 19216  
 Ion Ratio Lower Upper  
 93 100  
 95 82.7 65.2 97.8  
 174 110.5 84.2 126.4





#47

Bromodichloromethane

Concen: 19.328 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012841.D

Acq: 10 Sep 2019 00:37

Instrument :

MSVOA\_W

ClientSampleId :

VW0909SBSD02

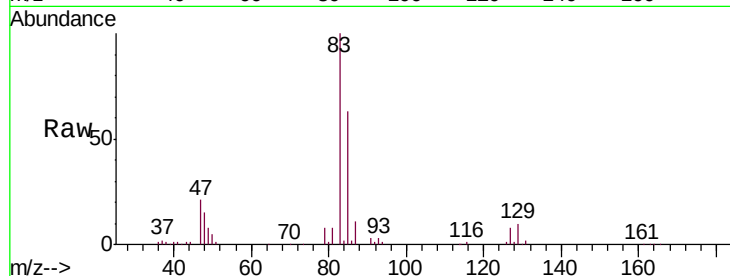
Tgt Ion: 83 Resp: 47504

Ion Ratio Lower Upper

83 100

85 62.7 50.2 75.2

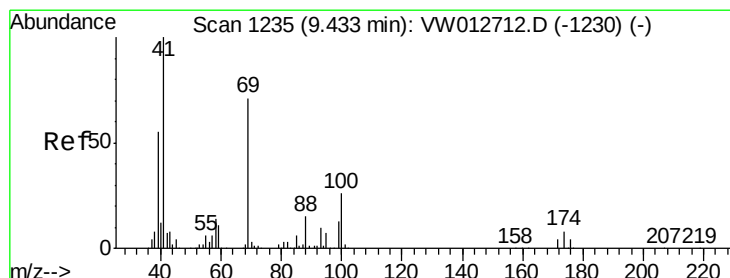
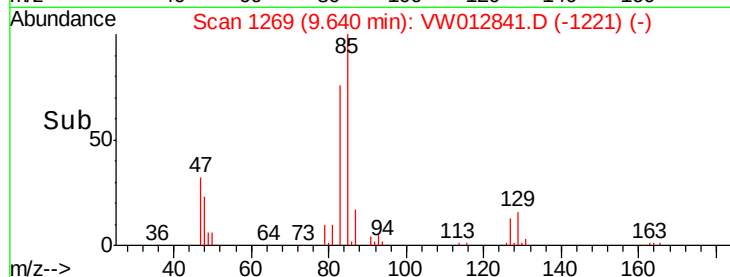
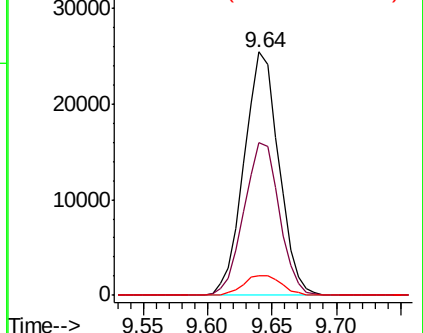
127 8.1 6.6 9.8



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 22.202 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW012841.D

Acq: 10 Sep 2019 00:37

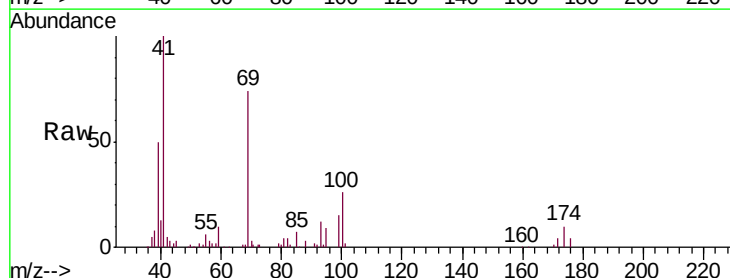
Tgt Ion: 41 Resp: 31416

Ion Ratio Lower Upper

41 100

69 75.1 59.8 89.8

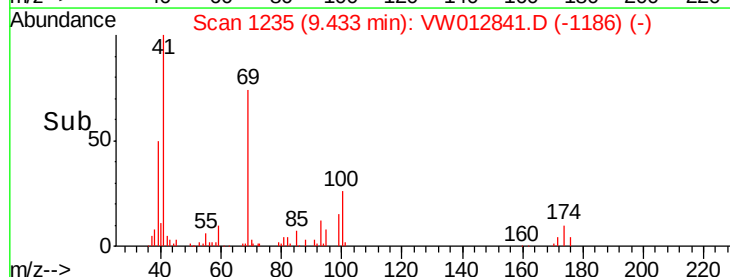
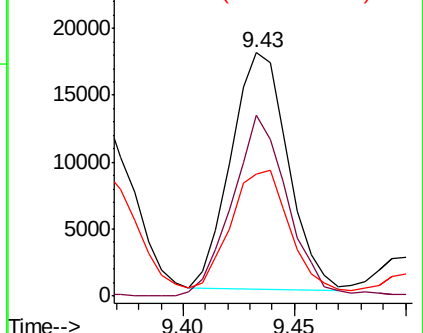
39 57.5 47.0 70.6

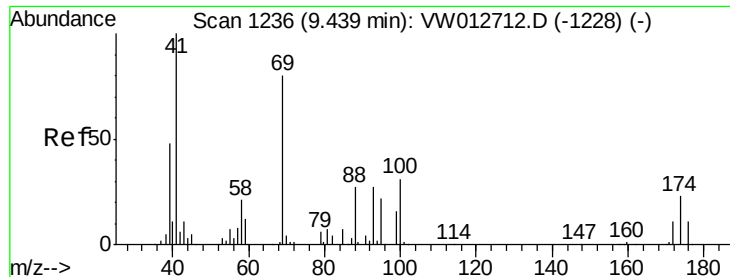


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 487.012 ug/l

RT: 9.47 min Scan# 1241

Delta R.T. 0.03 min

Lab File: VW012841.D

Acq: 10 Sep 2019 00:37

Instrument :

MSVOA\_W

ClientSampleId :

VW0909SBSD02

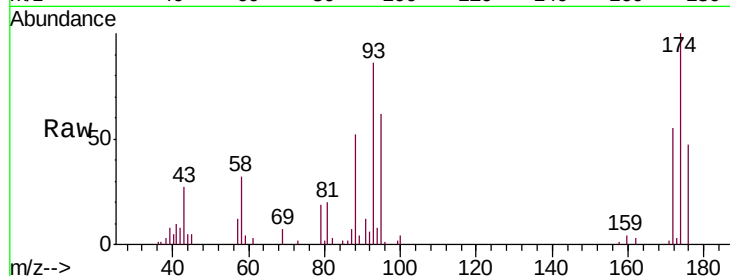
Tgt Ion: 88 Resp: 8594

Ion Ratio Lower Upper

88 100

43 0.0 34.8 52.2#

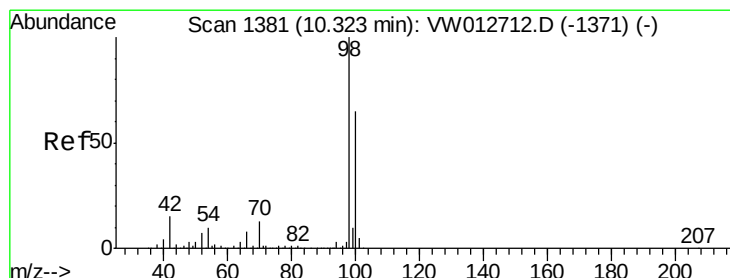
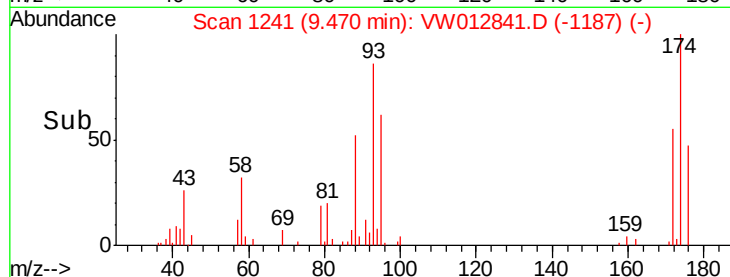
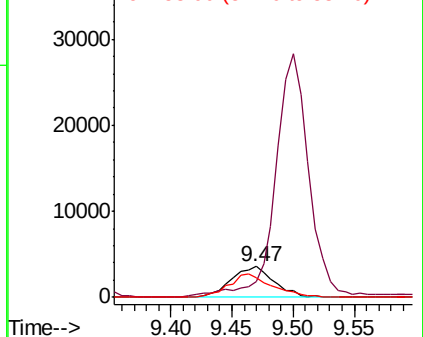
58 77.0 64.1 96.1



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 50.708 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012841.D

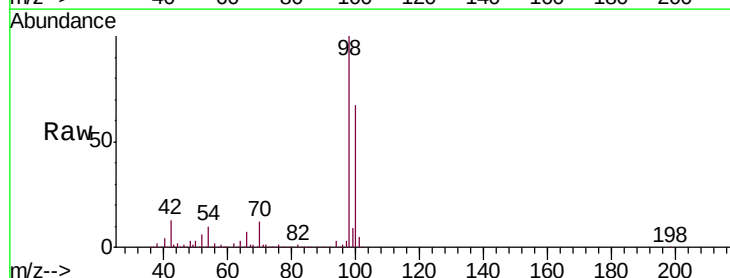
Acq: 10 Sep 2019 00:37

Tgt Ion: 98 Resp: 325887

Ion Ratio Lower Upper

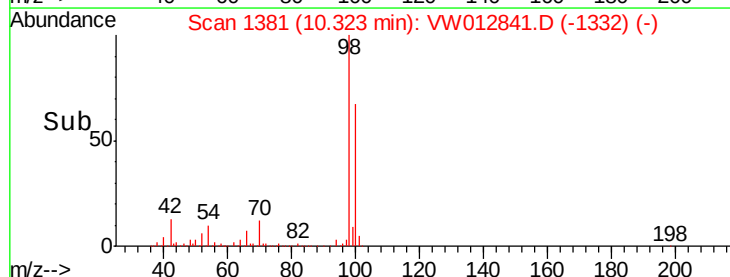
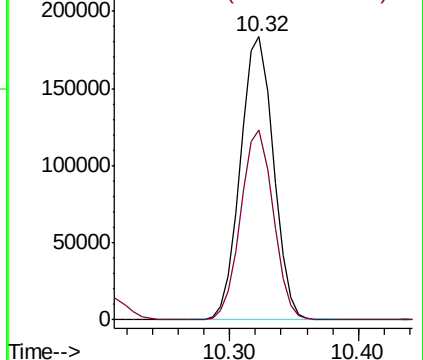
98 100

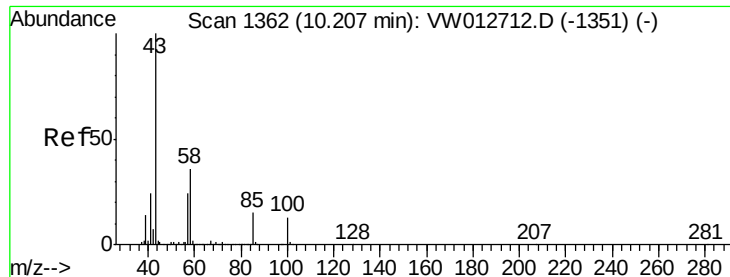
100 66.3 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 118.799 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW012841.D

Acq: 10 Sep 2019 00:37

Instrument :

MSVOA\_W

ClientSampleId :

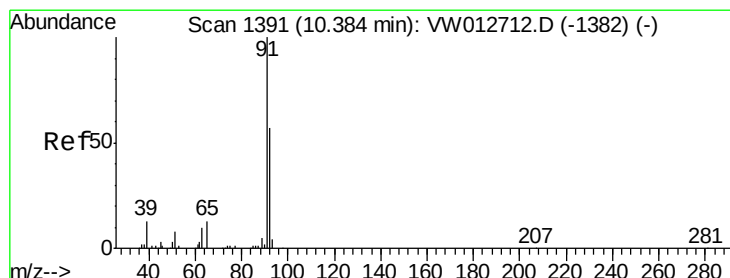
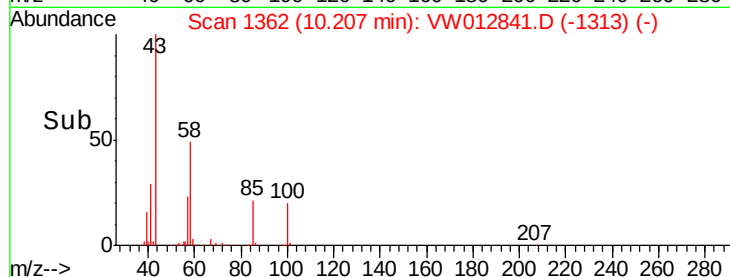
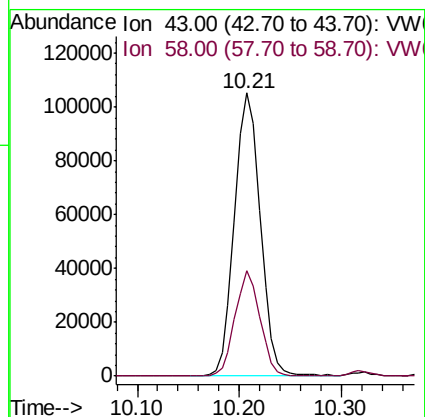
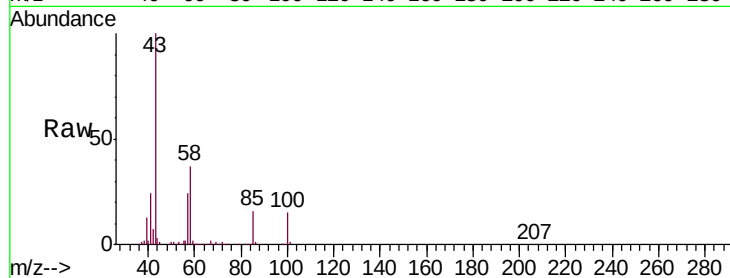
VW0909SBSD02

Tgt Ion: 43 Resp: 184574

Ion Ratio Lower Upper

43 100

58 35.8 28.4 42.6



#52

Toluene

Concen: 20.110 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW012841.D

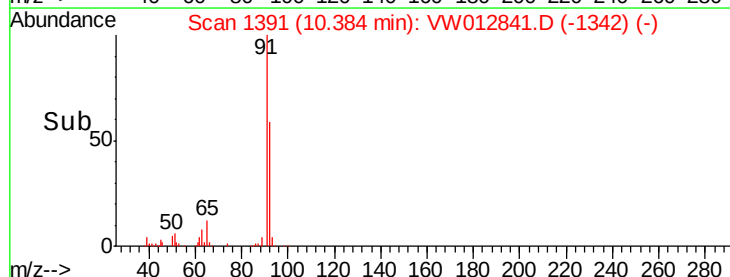
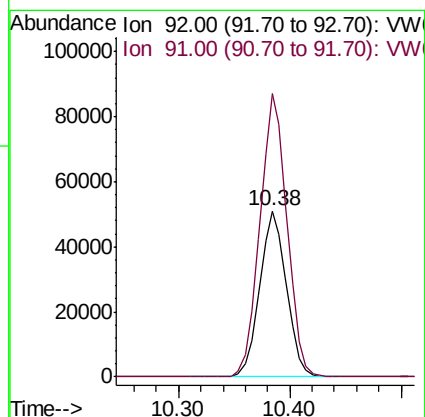
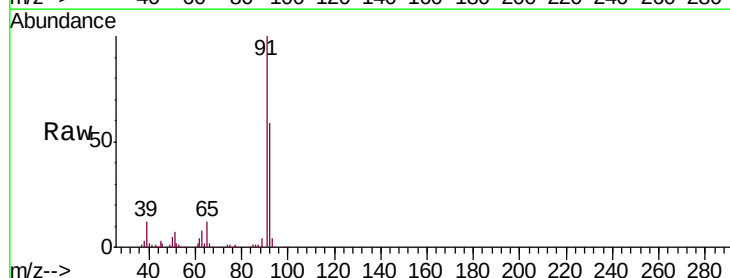
Acq: 10 Sep 2019 00:37

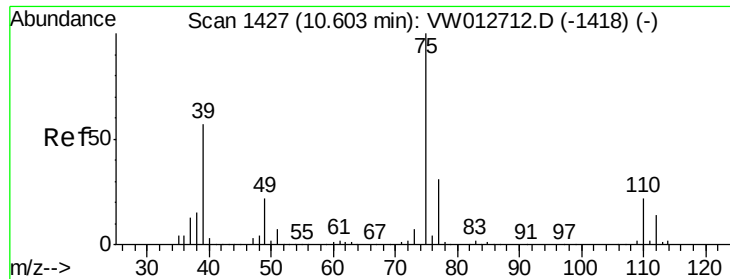
Tgt Ion: 92 Resp: 85374

Ion Ratio Lower Upper

92 100

91 172.8 137.0 205.4





#53

t-1,3-Dichloropropene

Concen: 19.592 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW012841.D

Acq: 10 Sep 2019 00:37

Instrument :

MSVOA\_W

ClientSampleId :

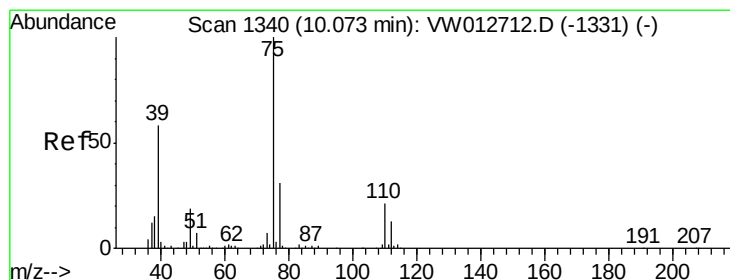
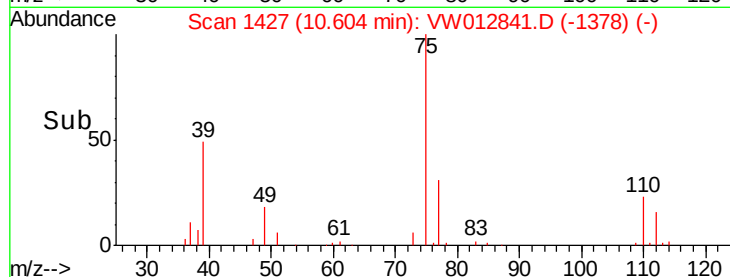
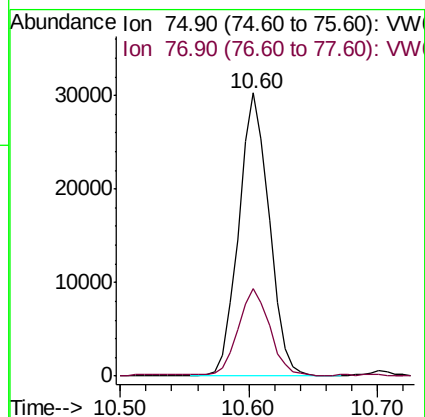
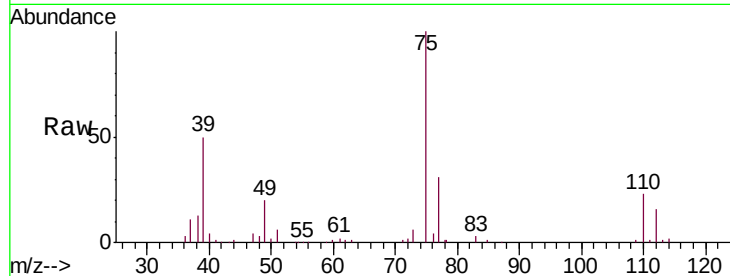
VW0909SBSD02

Tgt Ion: 75 Resp: 49514

Ion Ratio Lower Upper

75 100

77 30.6 24.7 37.1



#54

cis-1,3-Dichloropropene

Concen: 18.967 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW012841.D

Acq: 10 Sep 2019 00:37

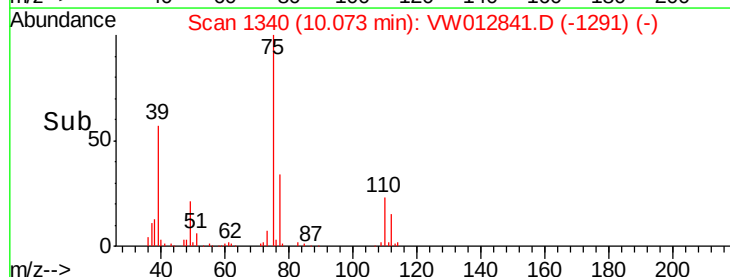
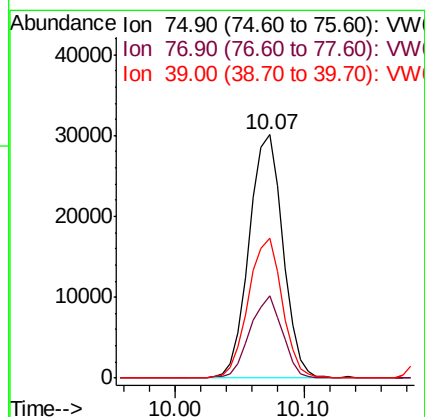
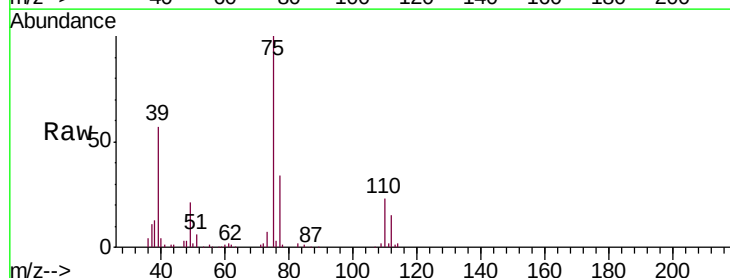
Tgt Ion: 75 Resp: 54378

Ion Ratio Lower Upper

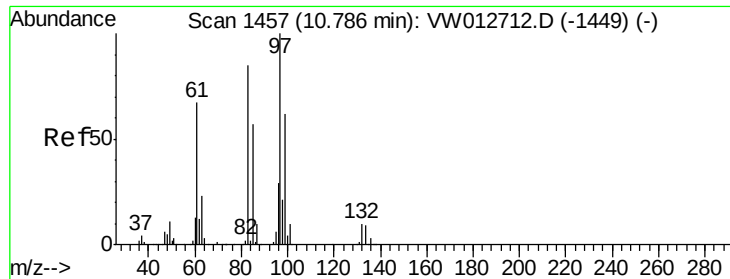
75 100

77 33.7 24.6 36.8

39 57.5 46.3 69.5



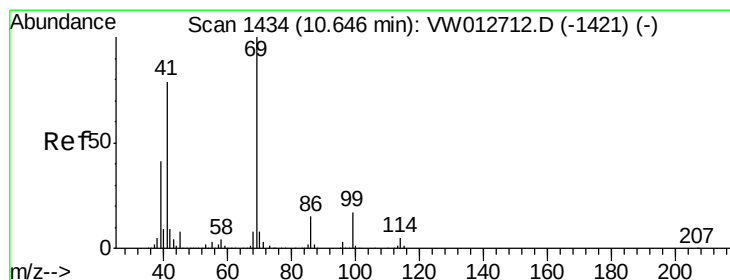
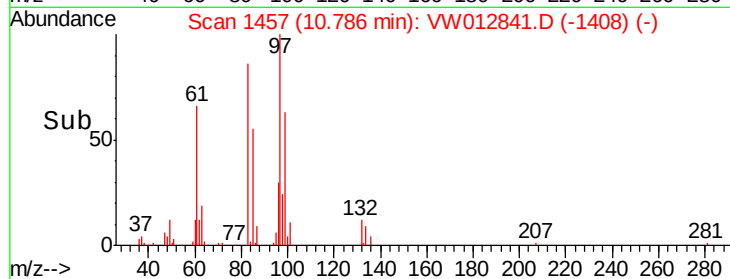
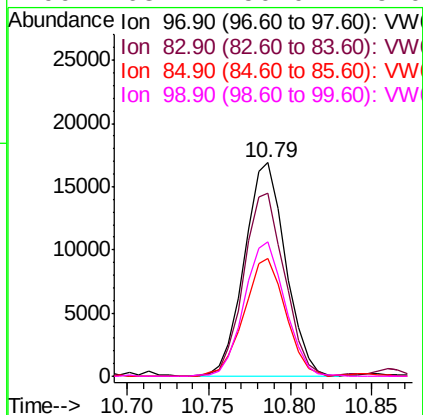
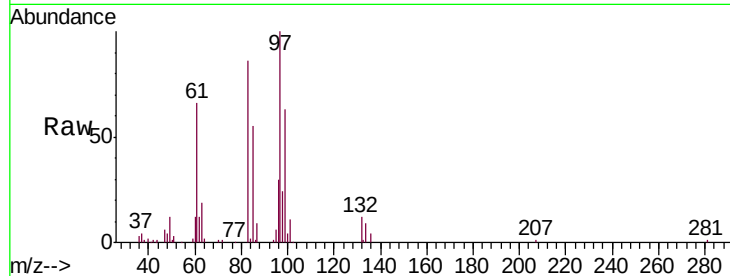




#55  
 1,1,2-Trichloroethane  
 Concen: 22.159 ug/l  
 RT: 10.79 min Scan# 1457  
 Delta R.T. 0.00 min  
 Lab File: VW012841.D  
 Acq: 10 Sep 2019 00:37

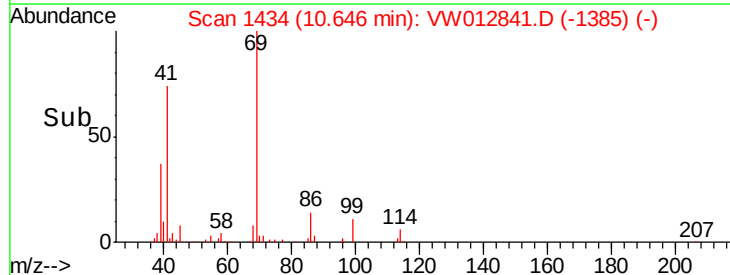
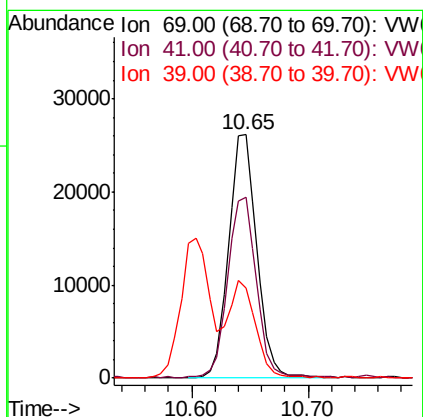
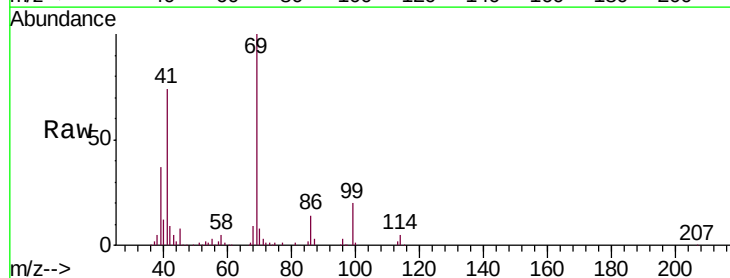
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0909SBSD02

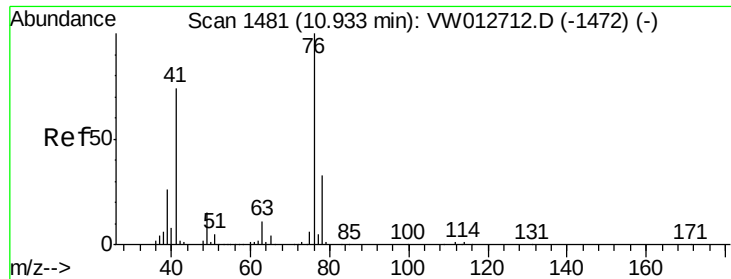
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 29637 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 85.5  | 68.1  | 102.1 |
| 85       | 55.3  | 45.3  | 67.9  |
| 99       | 63.2  | 50.0  | 75.0  |



#56  
 Ethyl methacrylate  
 Concen: 22.559 ug/l  
 RT: 10.65 min Scan# 1434  
 Delta R.T. 0.00 min  
 Lab File: VW012841.D  
 Acq: 10 Sep 2019 00:37

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 44165 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 75.1  | 64.4  | 96.6  |
| 39       | 39.6  | 31.1  | 46.7  |





#57

1,3-Dichloropropane

Concen: 20.919 ug/l

RT: 10.93 min Scan# 1480

Delta R.T. -0.01 min

Lab File: VW012841.D

Acq: 10 Sep 2019 00:37

Instrument :

MSVOA\_W

ClientSampleId :

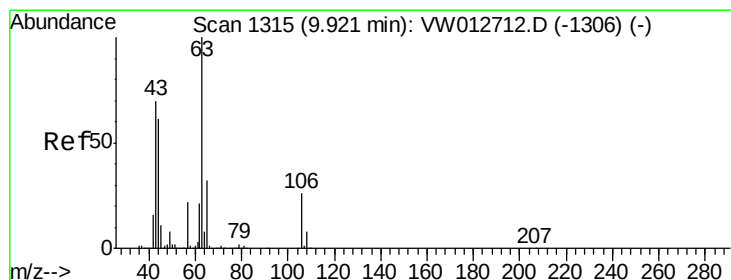
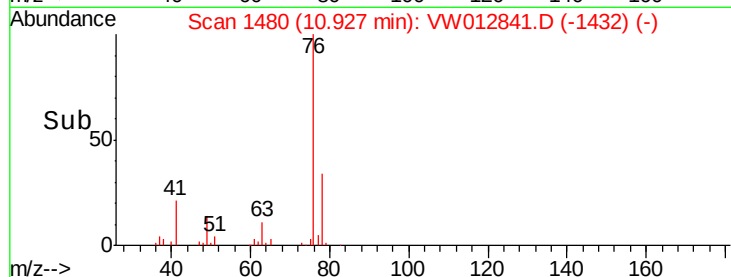
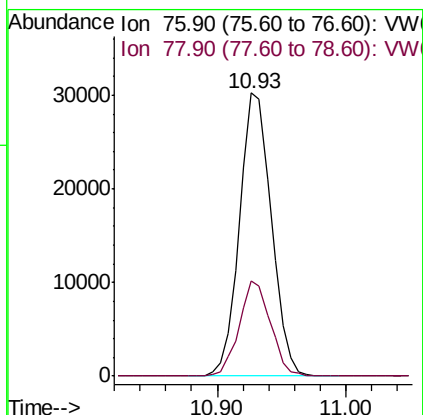
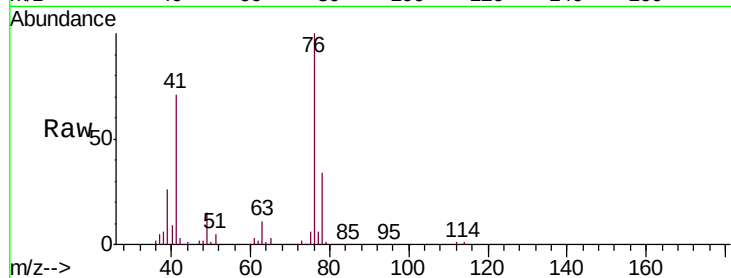
VW0909SBSD02

Tgt Ion: 76 Resp: 51759

Ion Ratio Lower Upper

76 100

78 32.9 25.9 38.9



#58

2-Chloroethyl Vinyl ether

Concen: 113.753 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW012841.D

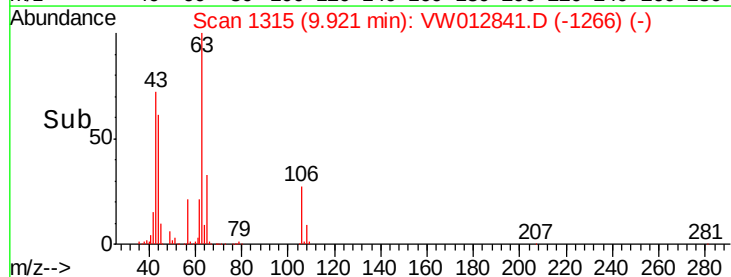
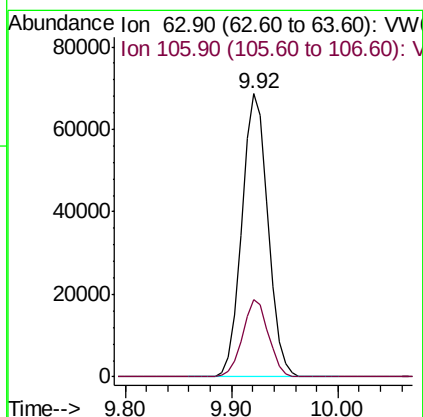
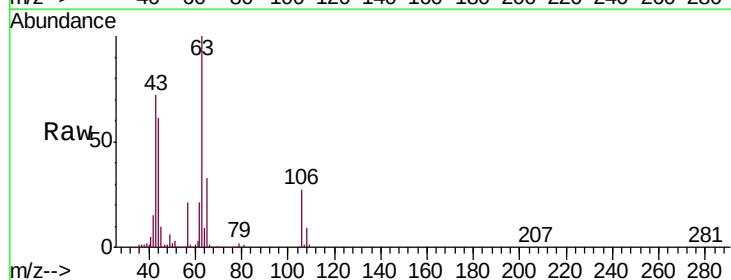
Acq: 10 Sep 2019 00:37

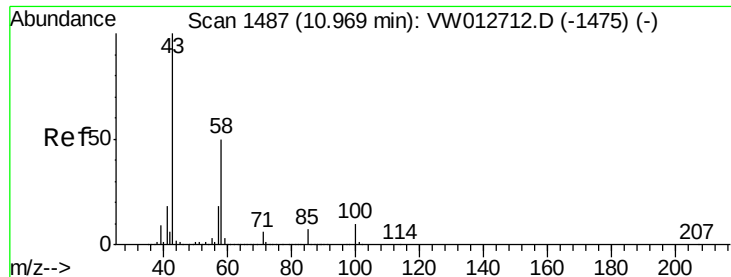
Tgt Ion: 63 Resp: 118229

Ion Ratio Lower Upper

63 100

106 27.1 20.5 30.7





#59

2-Hexanone

Concen: 111.507 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW012841.D

Acq: 10 Sep 2019 00:37

Instrument :

MSVOA\_W

ClientSampleId :

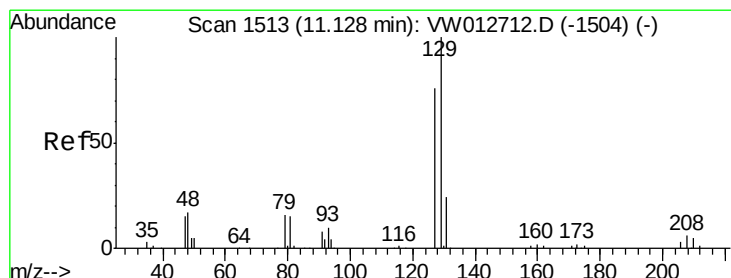
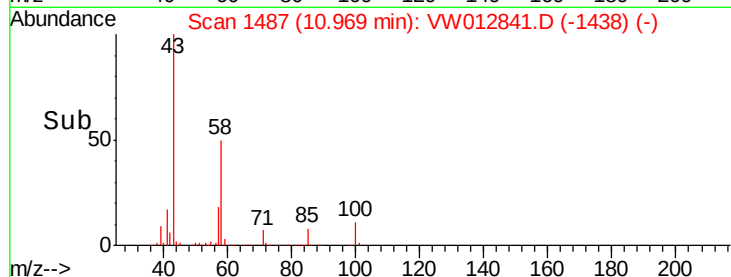
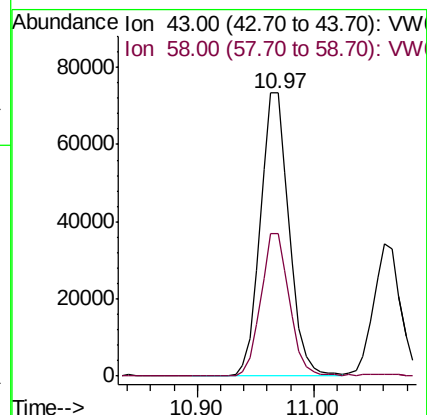
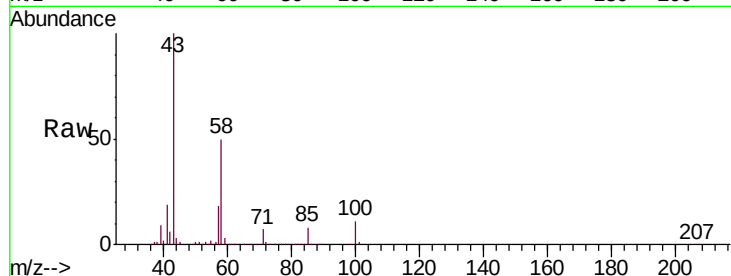
VW0909SBSD02

Tgt Ion: 43 Resp: 126569

Ion Ratio Lower Upper

43 100

58 50.0 24.7 74.1



#60

Dibromochloromethane

Concen: 20.028 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW012841.D

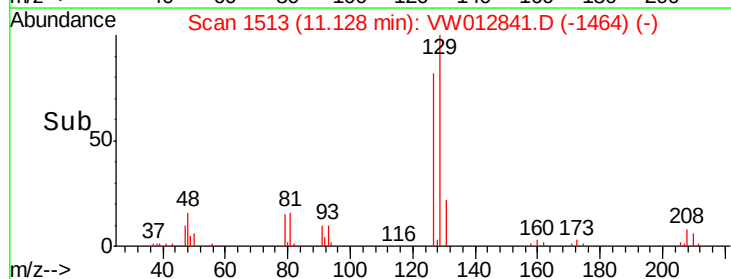
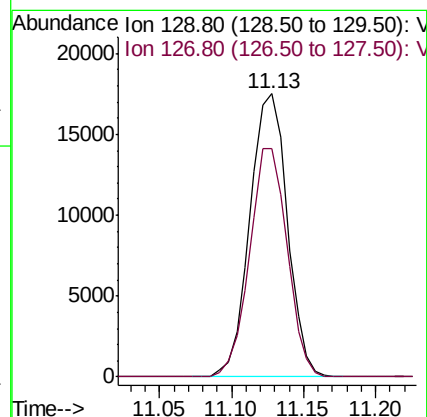
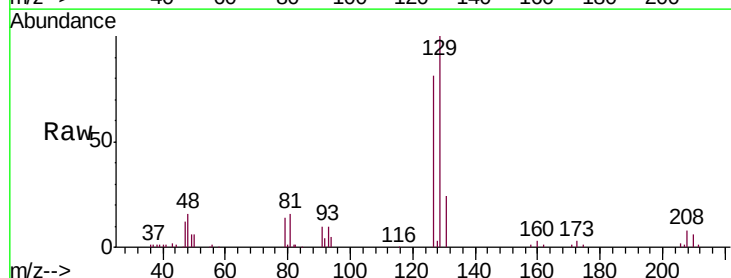
Acq: 10 Sep 2019 00:37

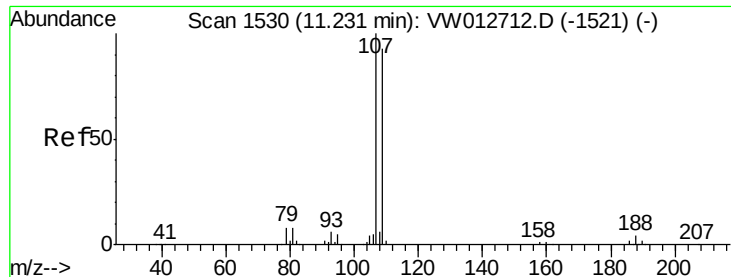
Tgt Ion: 129 Resp: 31503

Ion Ratio Lower Upper

129 100

127 81.0 38.6 115.8

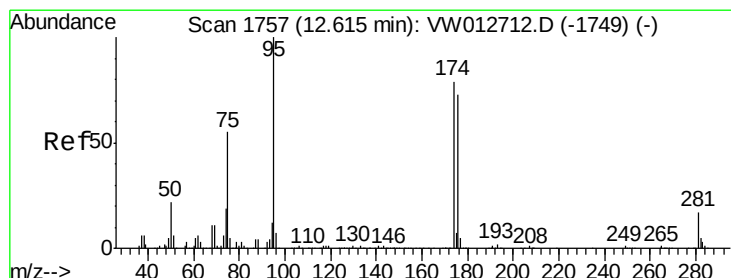
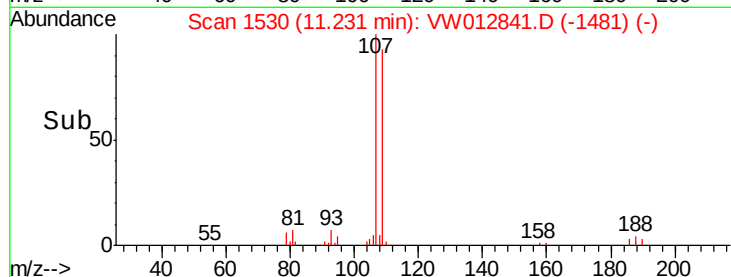
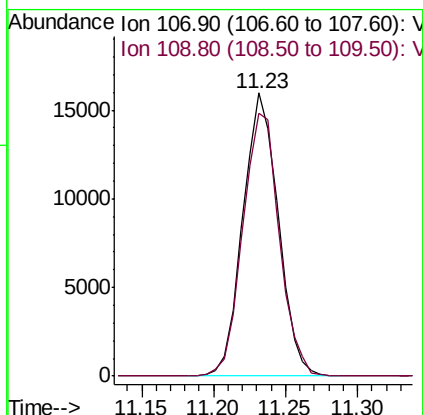
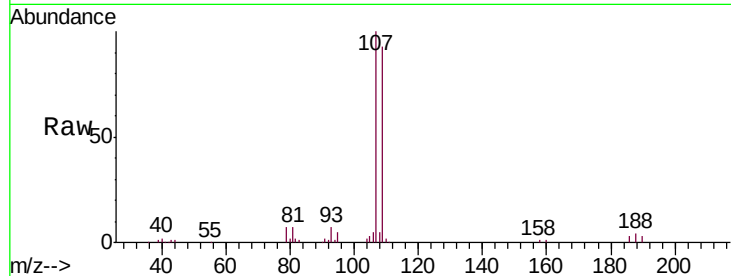




#61  
 1,2-Dibromoethane  
 Concen: 22.129 ug/l  
 RT: 11.23 min Scan# 1530  
 Delta R.T. 0.00 min  
 Lab File: VW012841.D  
 Acq: 10 Sep 2019 00:37

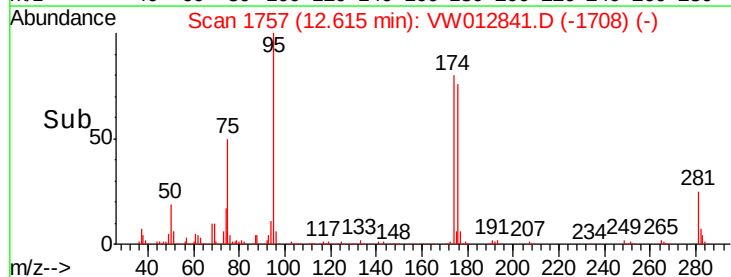
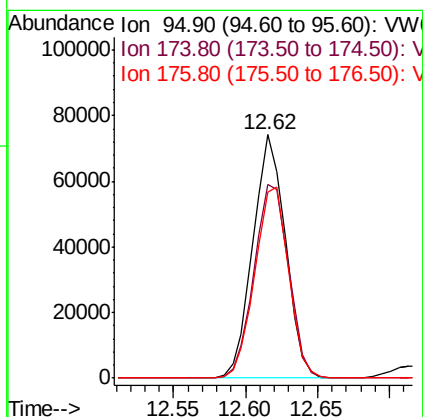
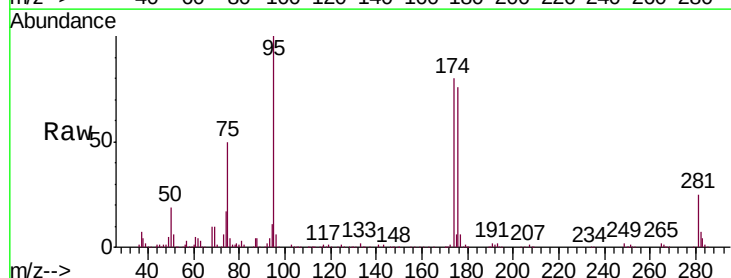
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0909SBSD02

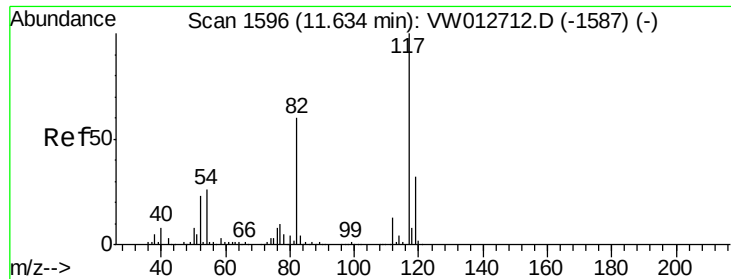
Tgt Ion: 107 Resp: 27134  
 Ion Ratio Lower Upper  
 107 100  
 109 95.9 75.0 112.6



#62  
 4-Bromofluorobenzene  
 Concen: 49.561 ug/l  
 RT: 12.62 min Scan# 1757  
 Delta R.T. 0.00 min  
 Lab File: VW012841.D  
 Acq: 10 Sep 2019 00:37

Tgt Ion: 95 Resp: 115631  
 Ion Ratio Lower Upper  
 95 100  
 174 84.7 0.0 161.0  
 176 81.5 0.0 156.4

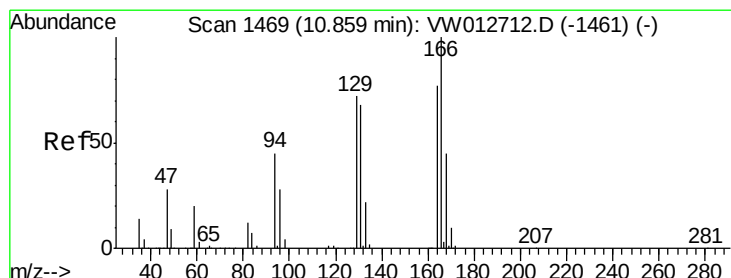
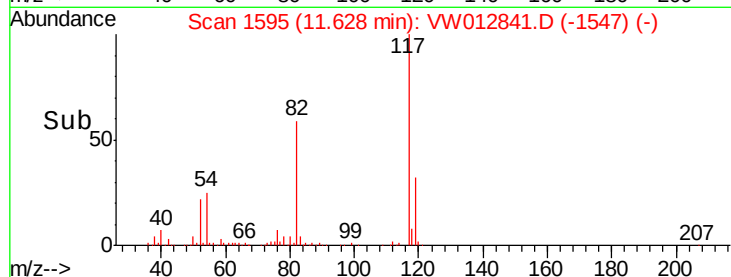
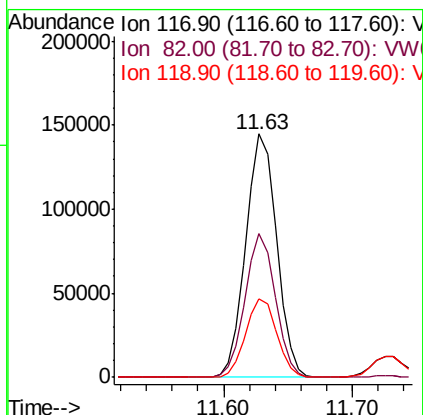
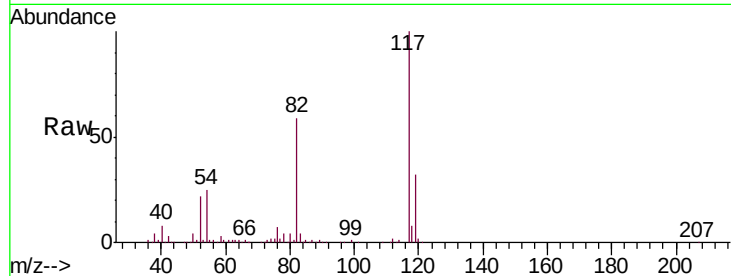




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1595  
Delta R.T. -0.01 min  
Lab File: VW012841.D  
Acq: 10 Sep 2019 00:37

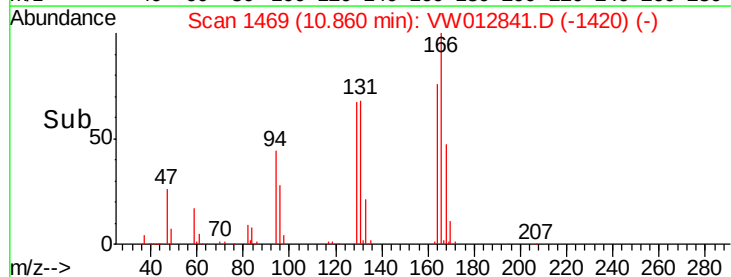
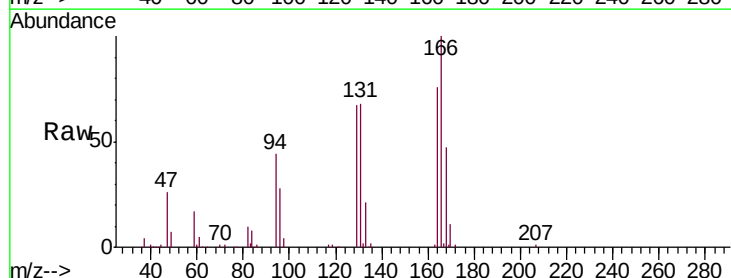
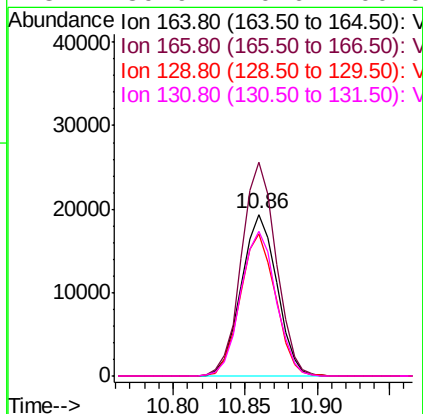
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0909SBSD02

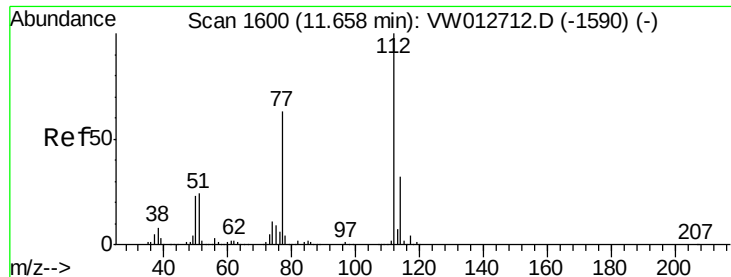
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 59.1  | 48.2  | 72.4  |
| 119     | 32.2  | 25.8  | 38.6  |



#64  
Tetrachloroethene  
Concen: 22.875 ug/l  
RT: 10.86 min Scan# 1469  
Delta R.T. 0.00 min  
Lab File: VW012841.D  
Acq: 10 Sep 2019 00:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 132.4 | 103.6 | 155.4 |
| 129     | 88.1  | 74.6  | 112.0 |
| 131     | 89.9  | 70.6  | 106.0 |





#65

Chlorobenzene

Concen: 20.306 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW012841.D

Acq: 10 Sep 2019 00:37

Instrument :

MSVOA\_W

ClientSampleId :

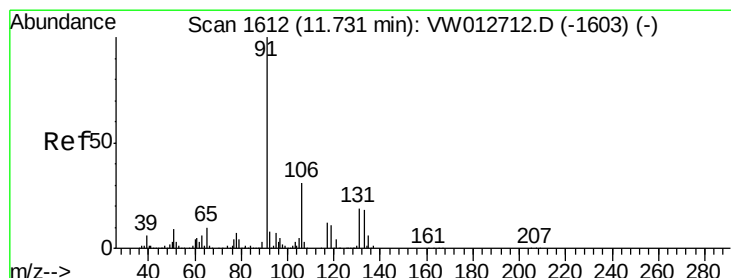
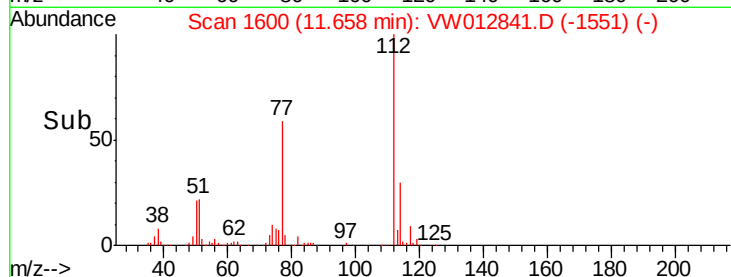
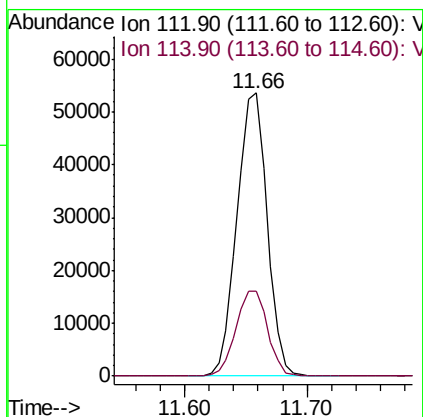
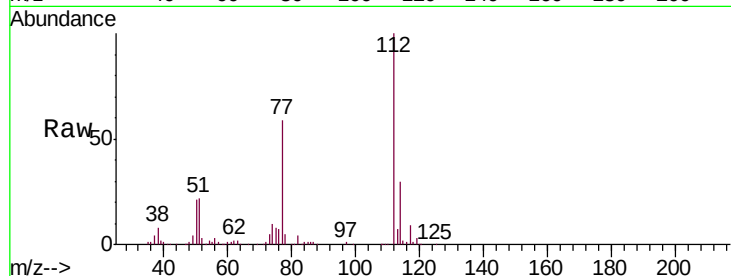
VW0909SBSD02

Tgt Ion:112 Resp: 91970

Ion Ratio Lower Upper

112 100

114 29.8 25.3 37.9



#66

1,1,1,2-Tetrachloroethane

Concen: 20.071 ug/l

RT: 11.73 min Scan# 1611

Delta R.T. -0.01 min

Lab File: VW012841.D

Acq: 10 Sep 2019 00:37

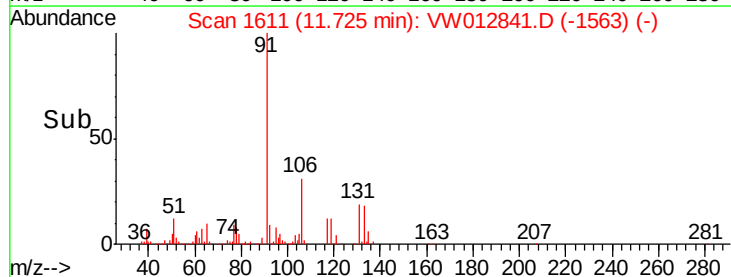
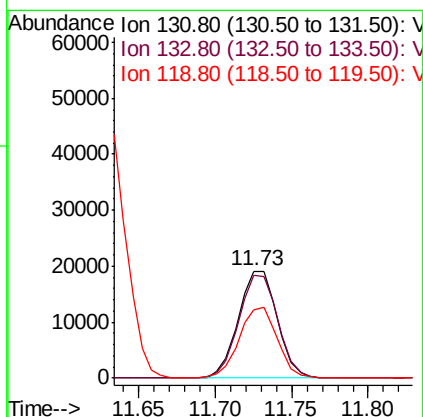
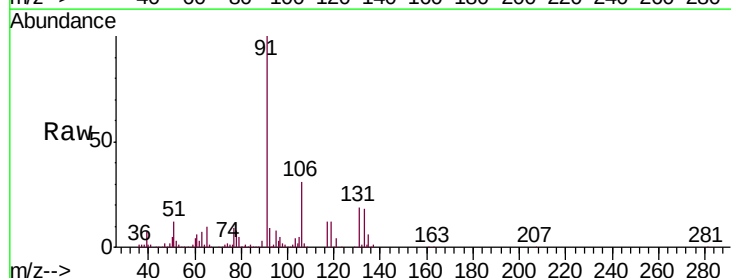
Tgt Ion:131 Resp: 33855

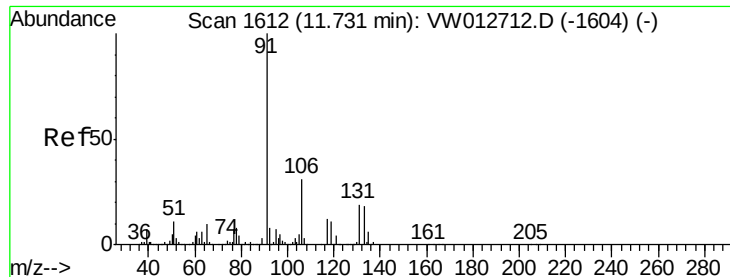
Ion Ratio Lower Upper

131 100

133 96.3 47.6 142.8

119 65.0 30.6 92.0

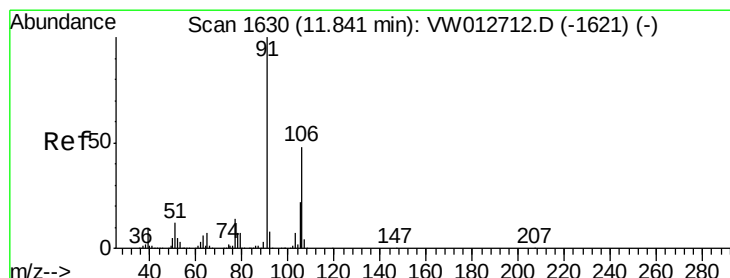
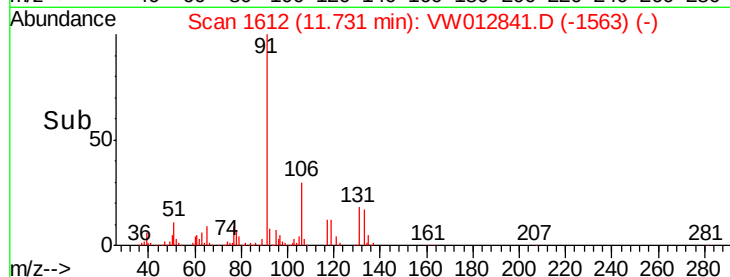
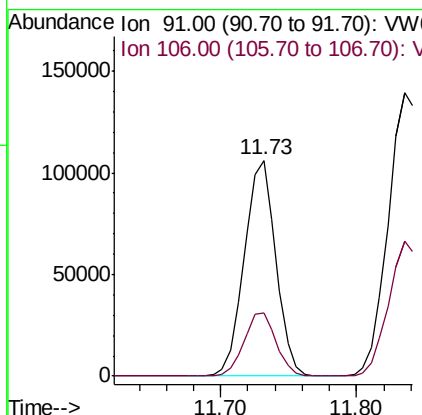
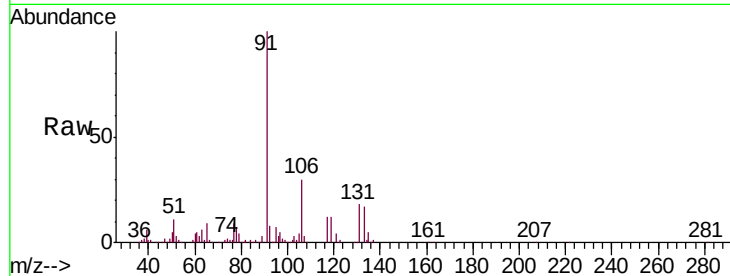




#67  
Ethyl Benzene  
Concen: 20.269 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. 0.00 min  
Lab File: VW012841.D  
Acq: 10 Sep 2019 00:37

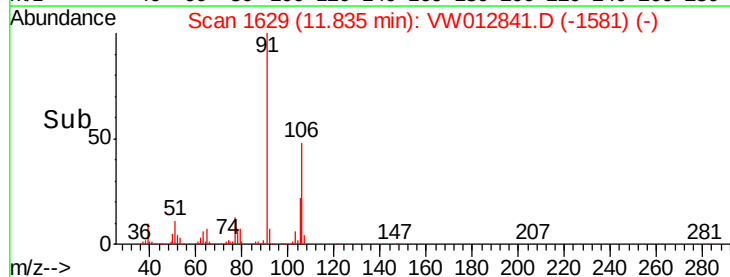
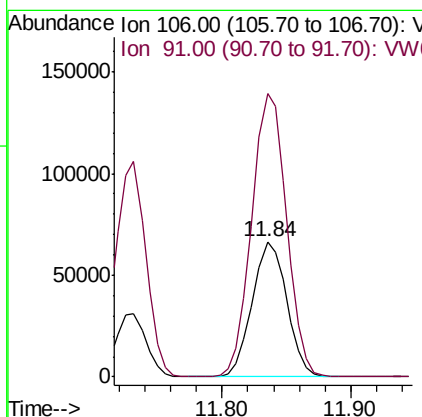
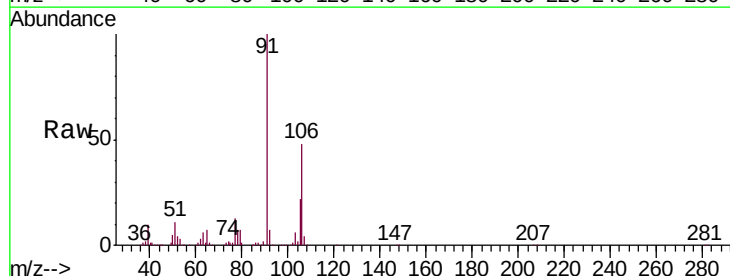
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0909SBSD02

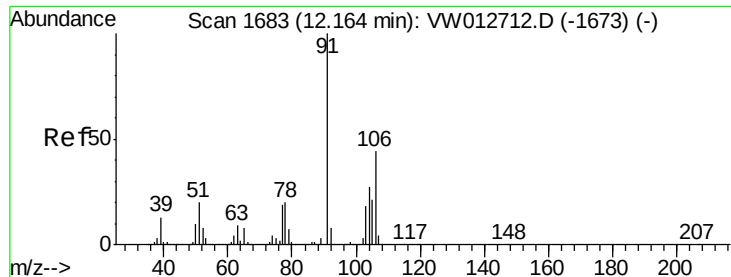
Tgt Ion: 91 Resp: 172249  
Ion Ratio Lower Upper  
91 100  
106 29.6 24.4 36.6



#68  
m/p-Xylenes  
Concen: 40.140 ug/l  
RT: 11.84 min Scan# 1629  
Delta R.T. -0.01 min  
Lab File: VW012841.D  
Acq: 10 Sep 2019 00:37

Tgt Ion: 106 Resp: 123125  
Ion Ratio Lower Upper  
106 100  
91 211.3 168.2 252.4

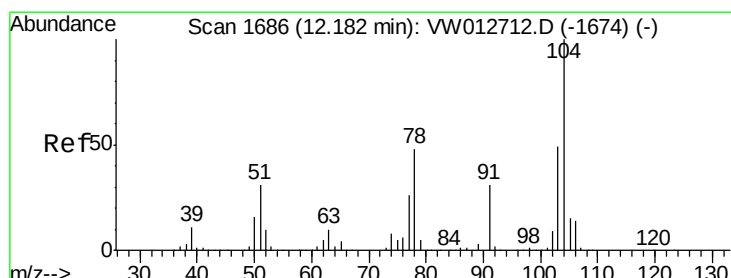
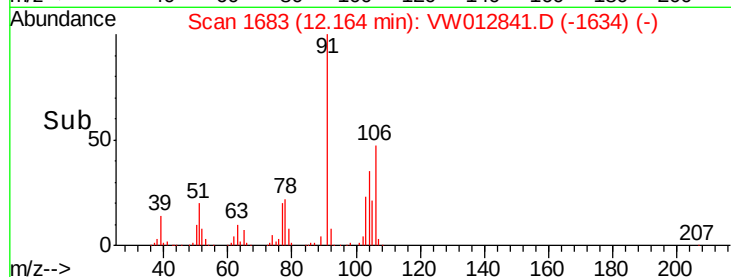
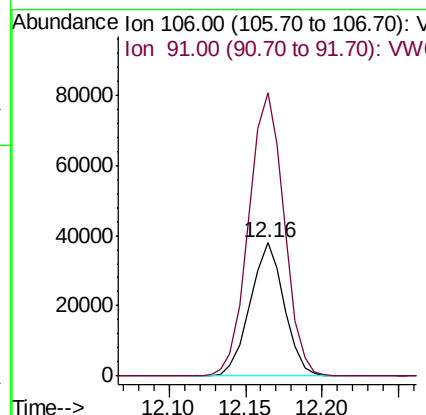
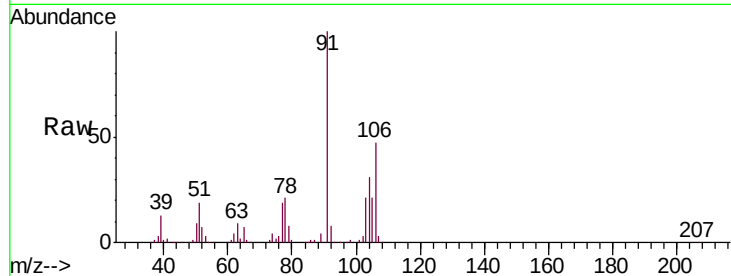




#69  
o-Xylene  
Concen: 20.309 ug/l  
RT: 12.16 min Scan# 1683  
Delta R.T. 0.00 min  
Lab File: VW012841.D  
Acq: 10 Sep 2019 00:37

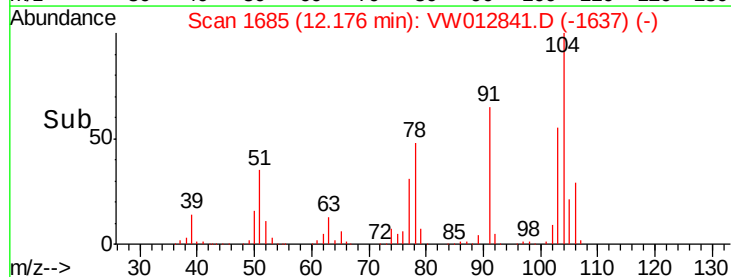
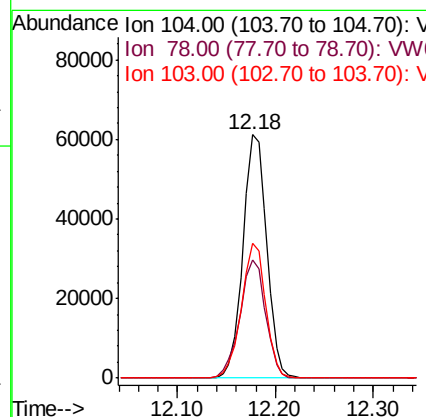
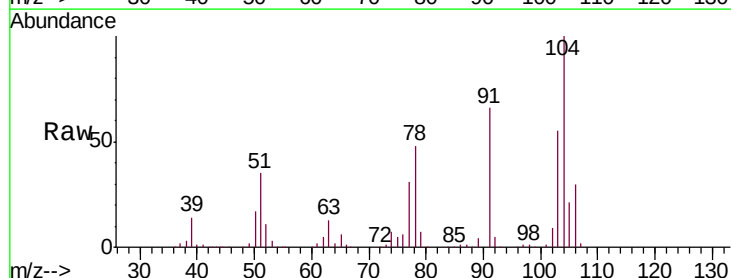
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0909SBSD02

Tgt Ion:106 Resp: 58773  
Ion Ratio Lower Upper  
106 100  
91 220.5 112.3 336.8

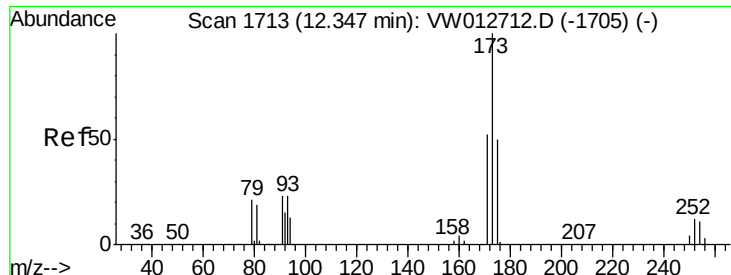


#70  
Styrene  
Concen: 20.206 ug/l  
RT: 12.18 min Scan# 1685  
Delta R.T. -0.01 min  
Lab File: VW012841.D  
Acq: 10 Sep 2019 00:37

Tgt Ion:104 Resp: 103325  
Ion Ratio Lower Upper  
104 100  
78 52.4 43.3 64.9  
103 56.7 44.0 66.0







#71

Bromoform

Concen: 21.772 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW012841.D

Acq: 10 Sep 2019 00:37

Instrument :

MSVOA\_W

ClientSampleId :

VW0909SBSD02

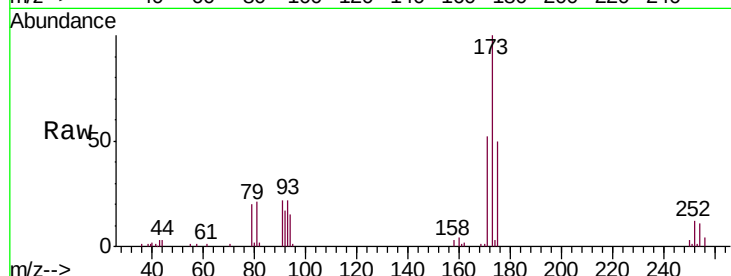
Tgt Ion:173 Resp: 20403

Ion Ratio Lower Upper

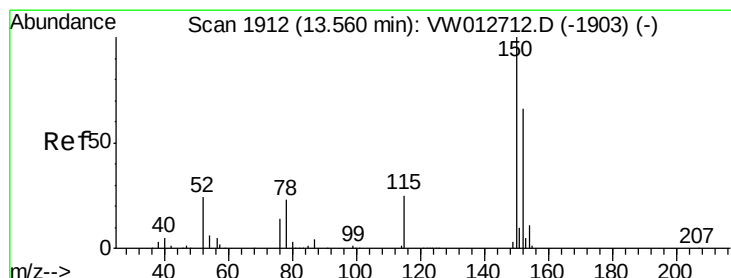
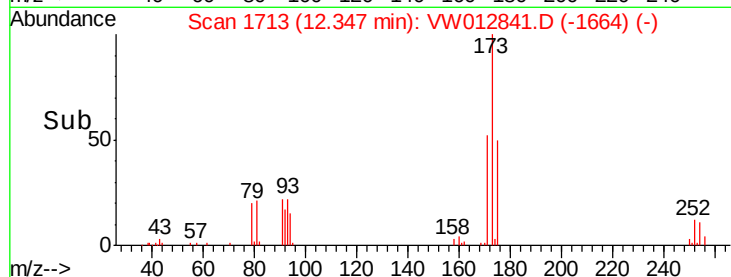
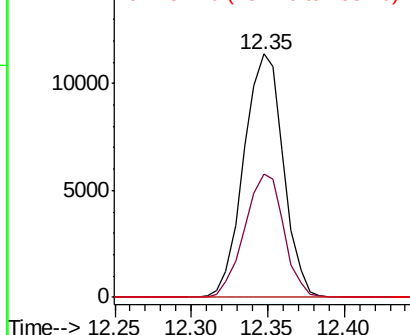
173 100

175 50.2 24.8 74.3

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW012841.D

Acq: 10 Sep 2019 00:37

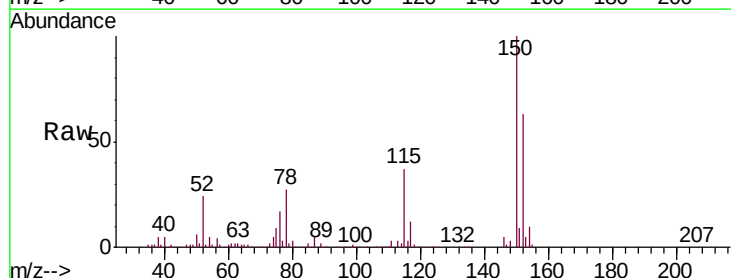
Tgt Ion:152 Resp: 118982

Ion Ratio Lower Upper

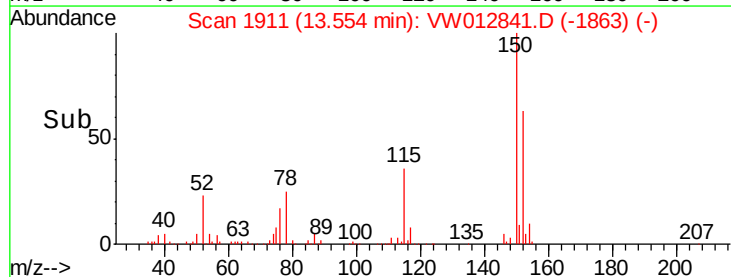
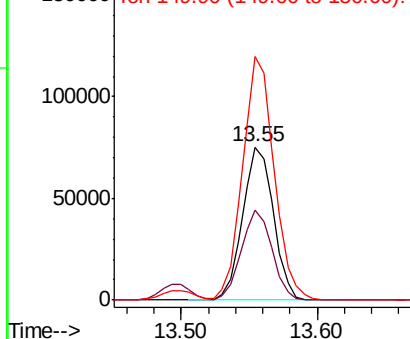
152 100

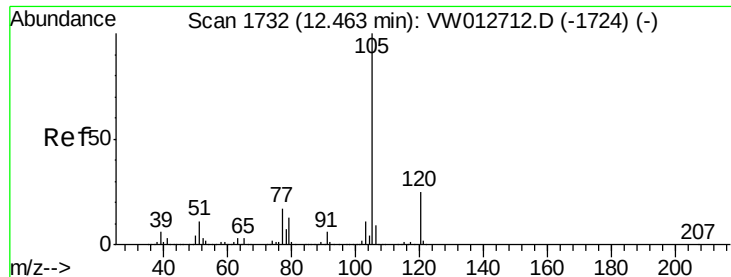
115 58.6 30.0 90.1

150 163.3 0.0 349.0



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V

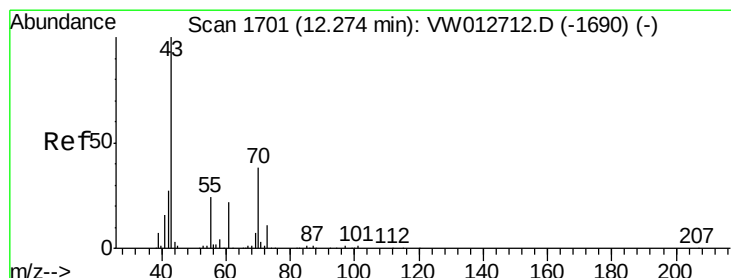
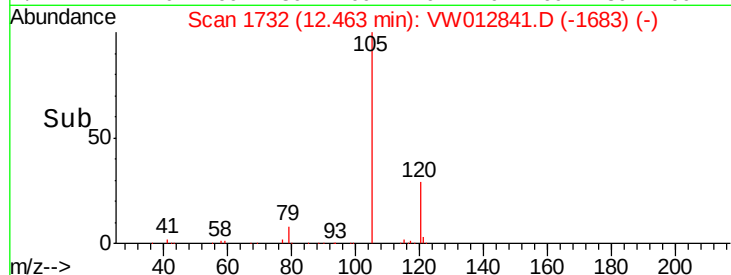
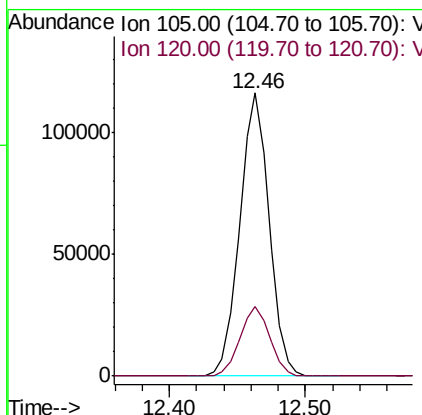
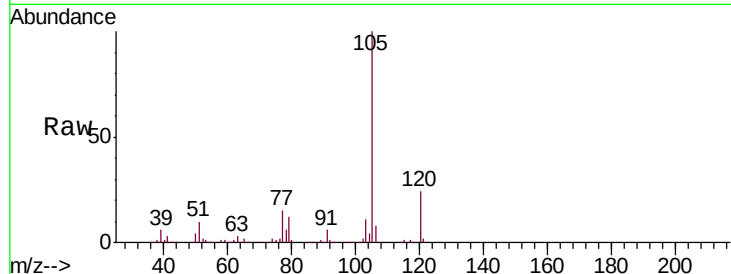




#73  
Isopropylbenzene  
Concen: 20.476 ug/l  
RT: 12.46 min Scan# 1732  
Delta R.T. 0.00 min  
Lab File: VW012841.D  
Acq: 10 Sep 2019 00:37

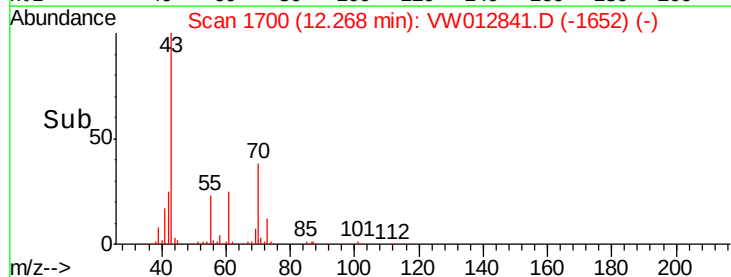
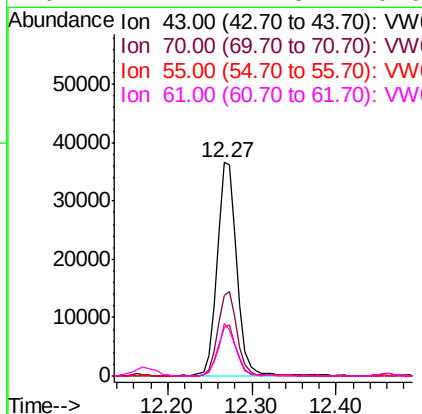
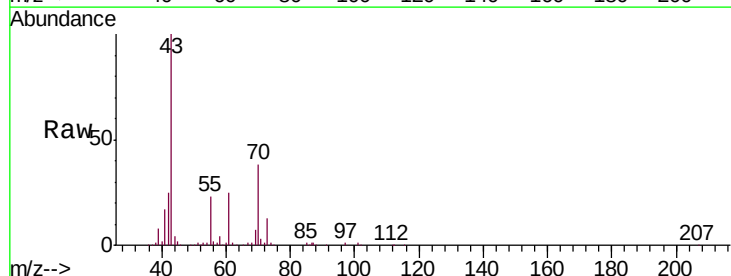
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0909SBSD02

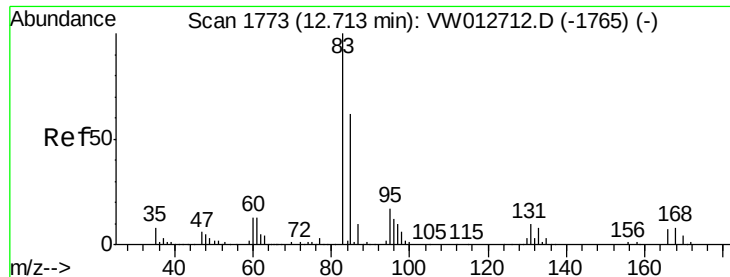
Tgt Ion: 105 Resp: 174736  
Ion Ratio Lower Upper  
105 100  
120 24.9 13.0 38.9



#74  
N-ethyl acetate  
Concen: 21.475 ug/l  
RT: 12.27 min Scan# 1700  
Delta R.T. -0.01 min  
Lab File: VW012841.D  
Acq: 10 Sep 2019 00:37

Tgt Ion: 43 Resp: 58171  
Ion Ratio Lower Upper  
43 100  
70 38.8 29.4 44.0  
55 24.1 18.6 27.8  
61 22.7 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 22.901 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW012841.D

Acq: 10 Sep 2019 00:37

Instrument :

MSVOA\_W

ClientSampleId :

VW0909SBSD02

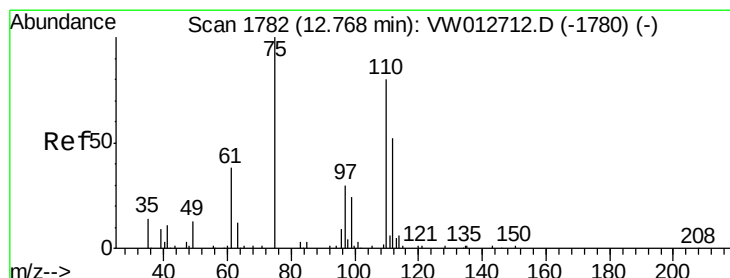
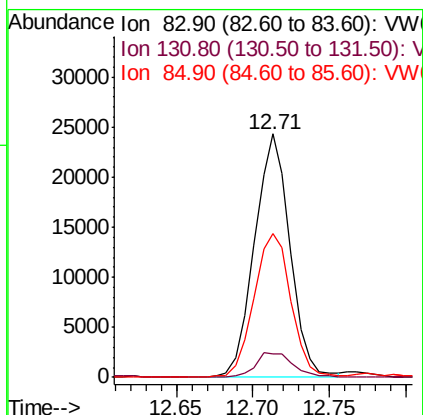
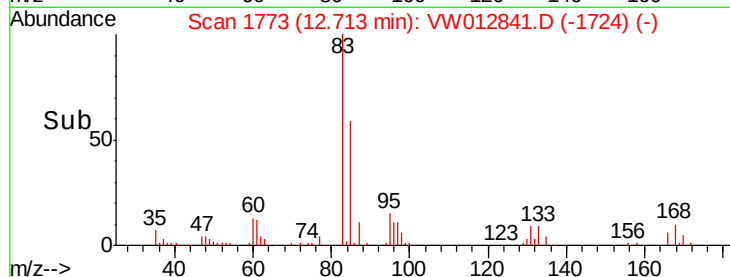
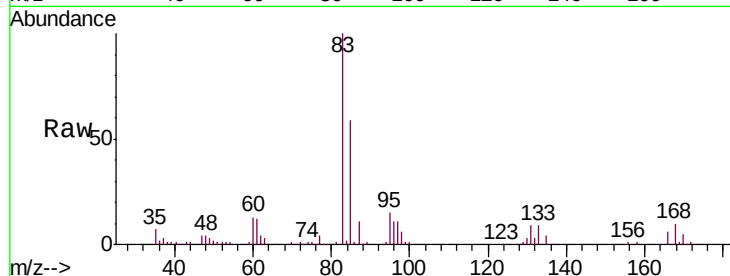
Tgt Ion: 83 Resp: 39248

Ion Ratio Lower Upper

83 100

131 10.6 5.1 15.4

85 61.9 31.4 94.2



#76

1,2,3-Trichloropropane

Concen: 40.925 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW012841.D

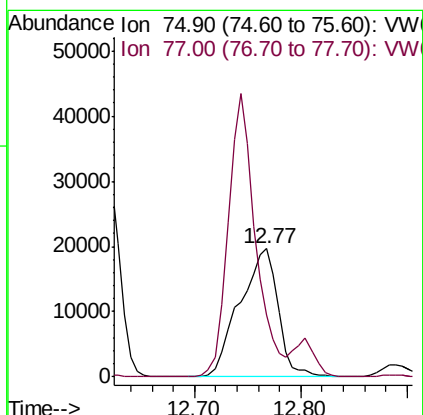
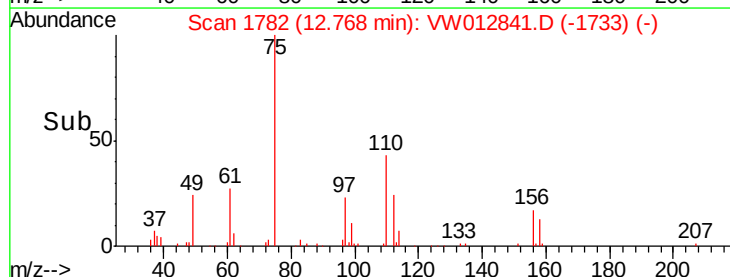
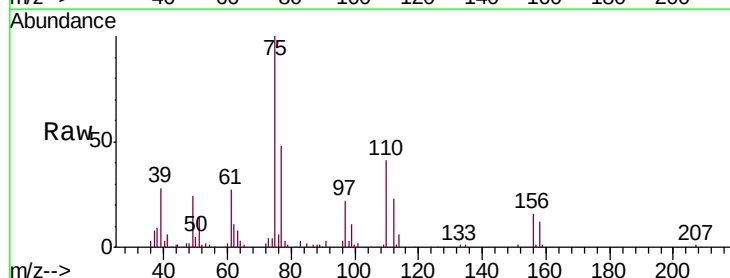
Acq: 10 Sep 2019 00:37

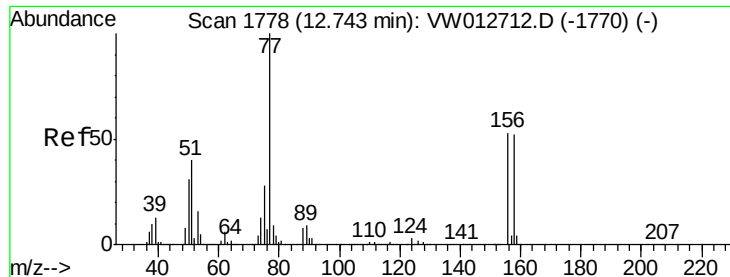
Tgt Ion: 75 Resp: 49791

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

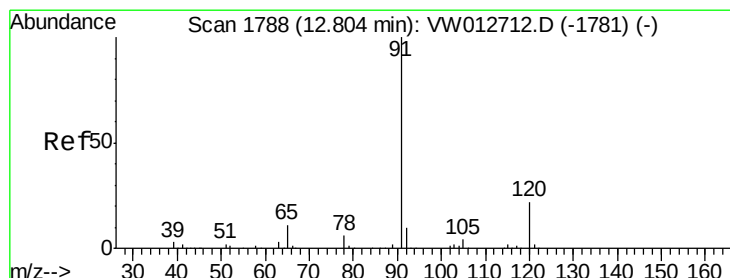
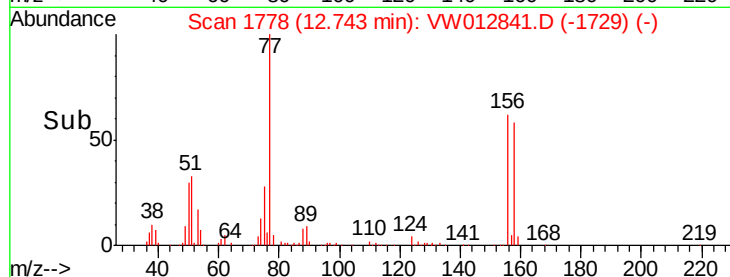
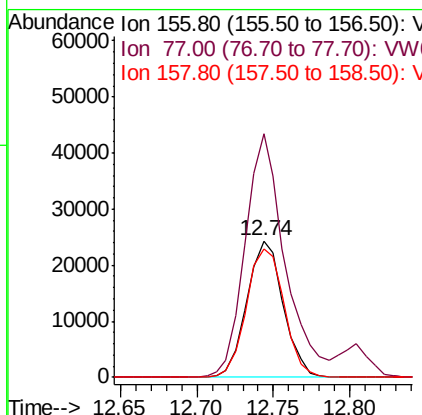
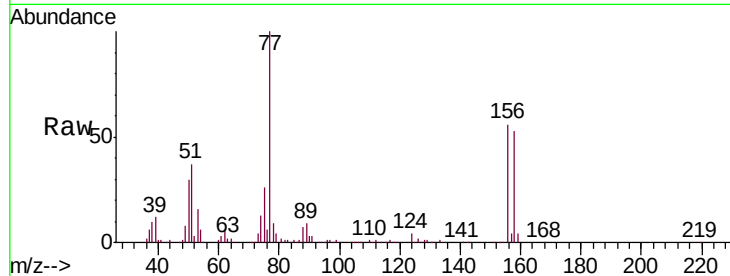




#77  
Bromobenzene  
Concen: 20.813 ug/l  
RT: 12.74 min Scan# 1778  
Delta R.T. 0.00 min  
Lab File: VW012841.D  
Acq: 10 Sep 2019 00:37

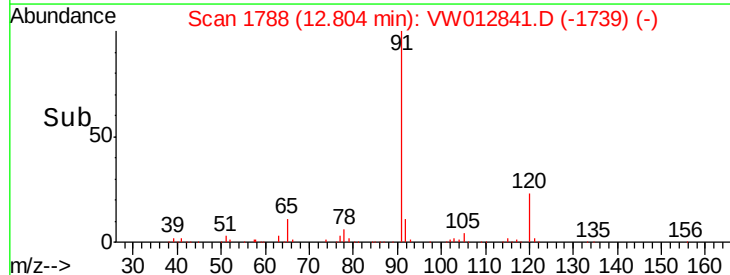
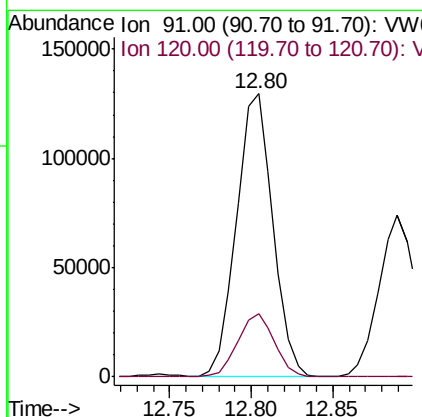
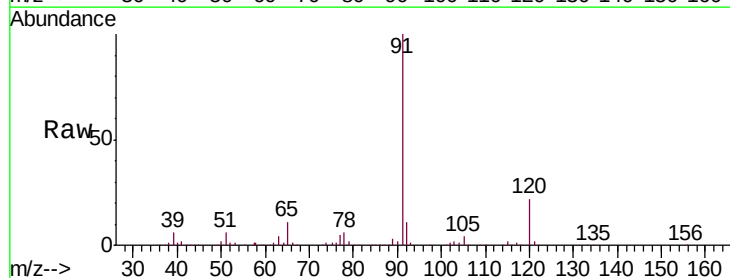
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0909SBSD02

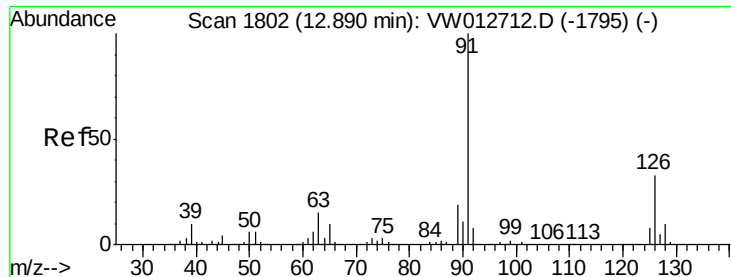
Tgt Ion:156 Resp: 40240  
Ion Ratio Lower Upper  
156 100  
77 195.0 102.3 306.9  
158 97.7 48.9 146.8



#78  
n-propylbenzene  
Concen: 19.648 ug/l  
RT: 12.80 min Scan# 1788  
Delta R.T. 0.00 min  
Lab File: VW012841.D  
Acq: 10 Sep 2019 00:37

Tgt Ion: 91 Resp: 200533  
Ion Ratio Lower Upper  
91 100  
120 22.5 11.0 33.0





#79

2-Chlorotoluene

Concen: 19.840 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW012841.D

Acq: 10 Sep 2019 00:37

Instrument :

MSVOA\_W

ClientSampleId :

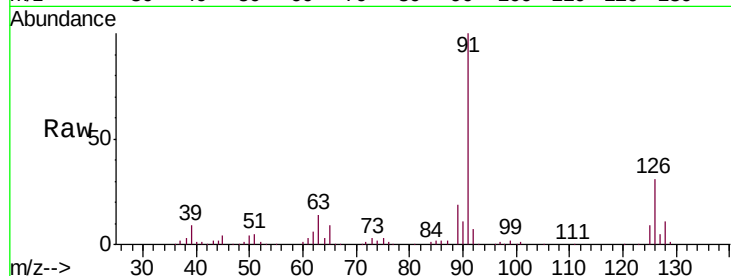
VW0909SBSD02

Tgt Ion: 91 Resp: 116244

Ion Ratio Lower Upper

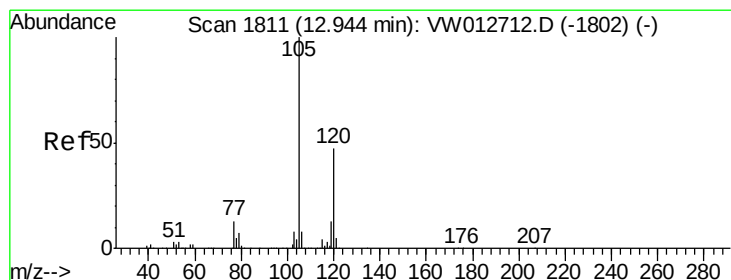
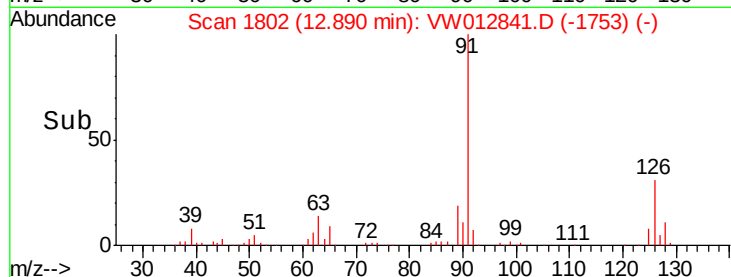
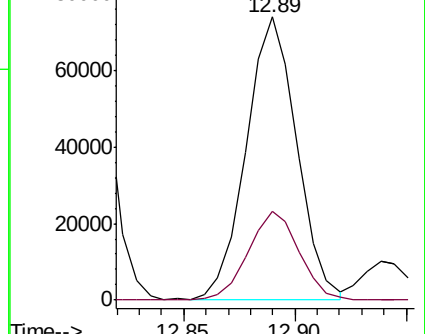
91 100

126 31.8 16.1 48.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.031 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. -0.01 min

Lab File: VW012841.D

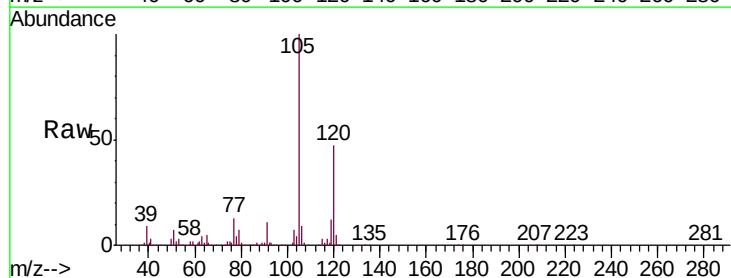
Acq: 10 Sep 2019 00:37

Tgt Ion: 105 Resp: 144039

Ion Ratio Lower Upper

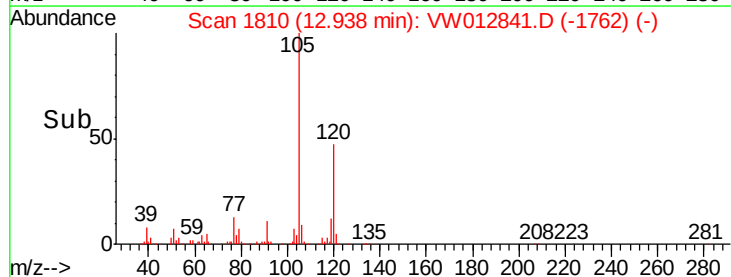
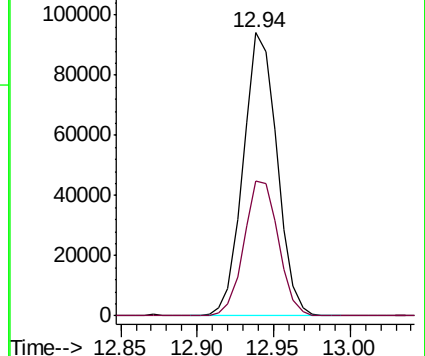
105 100

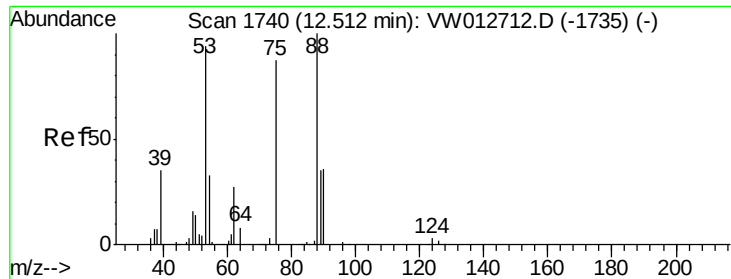
120 48.7 23.9 71.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.279 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW012841.D

Acq: 10 Sep 2019 00:37

Instrument :

MSVOA\_W

ClientSampleId :

VW0909SBSD02

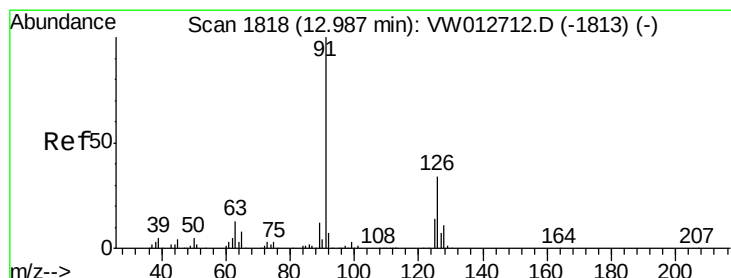
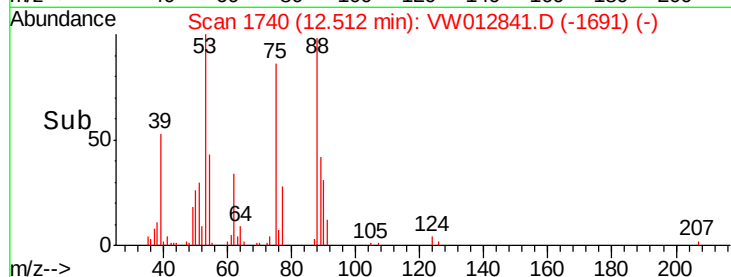
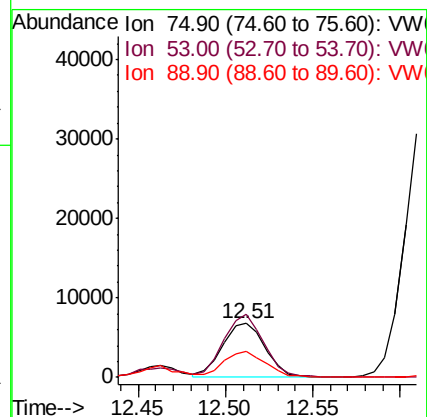
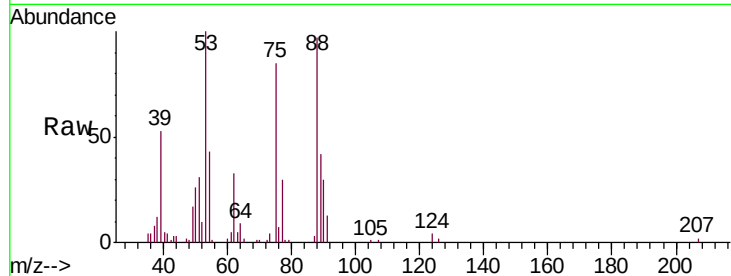
Tgt Ion: 75 Resp: 11665

Ion Ratio Lower Upper

75 100

53 109.1 87.6 131.4

89 48.5 35.5 53.3



#82

4-Chlorotoluene

Concen: 19.296 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW012841.D

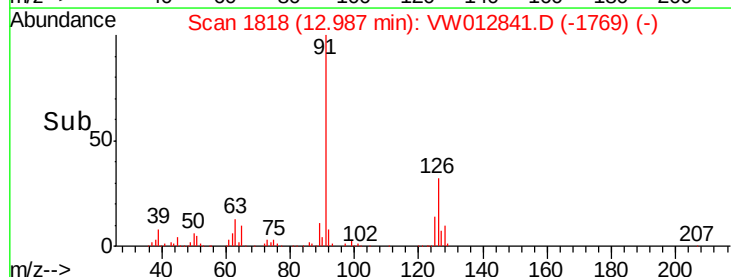
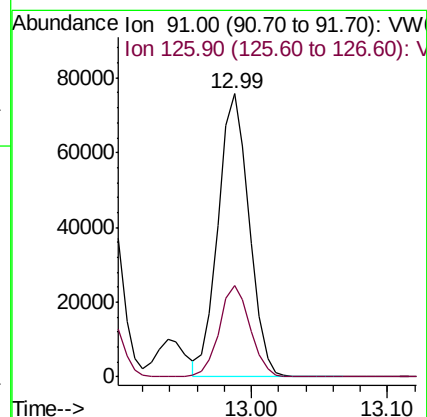
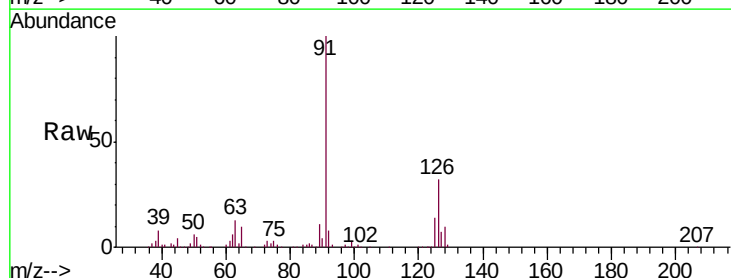
Acq: 10 Sep 2019 00:37

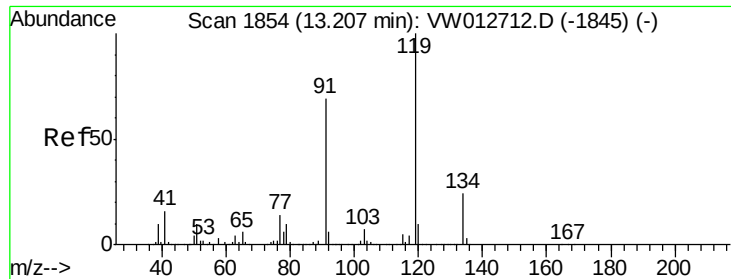
Tgt Ion: 91 Resp: 119592

Ion Ratio Lower Upper

91 100

126 32.1 15.9 47.6

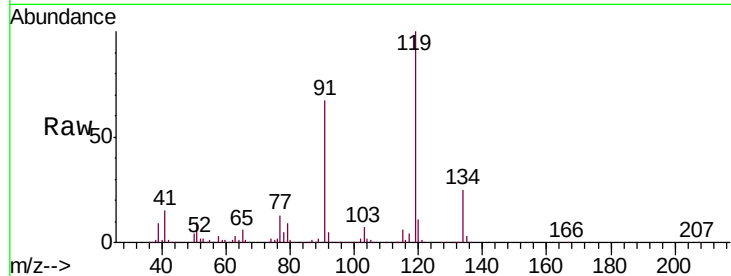




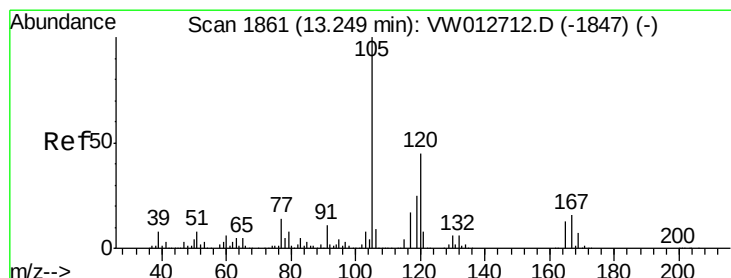
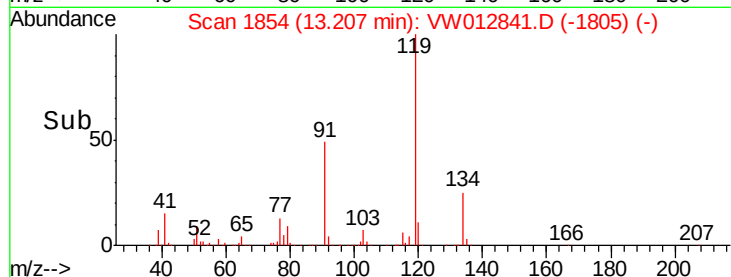
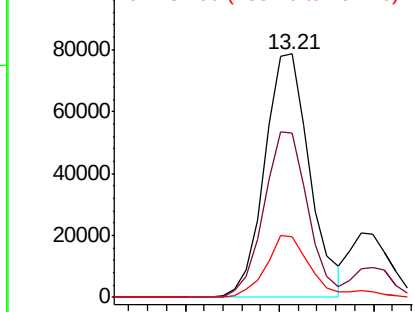
#83  
 tert-Butylbenzene  
 Concen: 20.477 ug/l  
 RT: 13.21 min Scan# 1854  
 Delta R.T. 0.00 min  
 Lab File: VW012841.D  
 Acq: 10 Sep 2019 00:37

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0909SBSD02

Tgt Ion:119 Resp: 130194  
 Ion Ratio Lower Upper  
 119 100  
 91 66.5 34.2 102.5  
 134 26.1 12.3 36.9

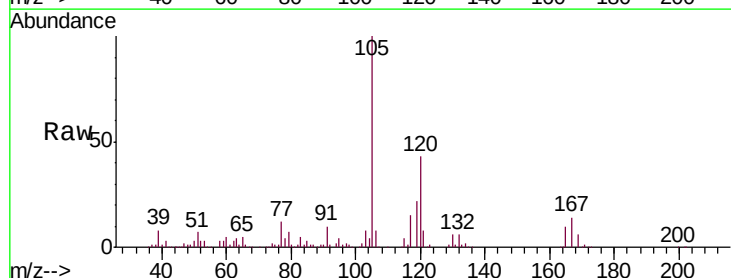


Abundance Ion 119.00 (118.70 to 119.70): V  
 Ion 91.00 (90.70 to 91.70): V  
 Ion 134.00 (133.70 to 134.70): V

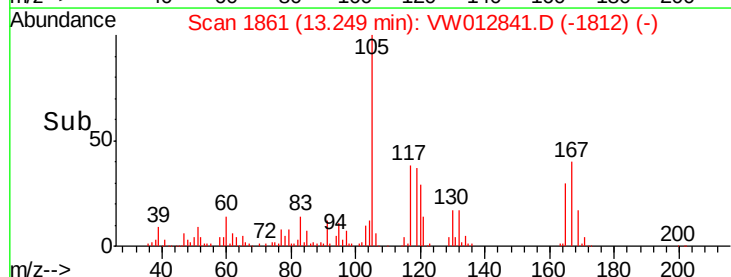
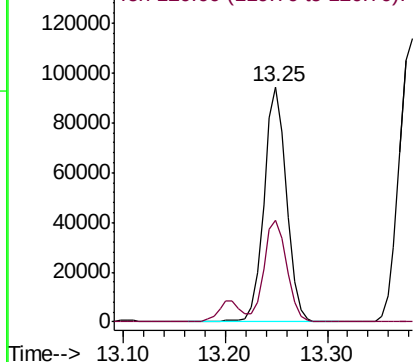


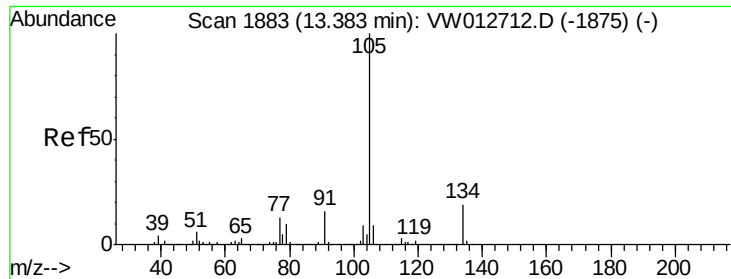
#84  
 1,2,4-Trimethylbenzene  
 Concen: 19.909 ug/l  
 RT: 13.25 min Scan# 1861  
 Delta R.T. 0.00 min  
 Lab File: VW012841.D  
 Acq: 10 Sep 2019 00:37

Tgt Ion:105 Resp: 144254  
 Ion Ratio Lower Upper  
 105 100  
 120 43.2 22.1 66.3



Abundance Ion 105.00 (104.70 to 105.70): V  
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.058 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW012841.D

Acq: 10 Sep 2019 00:37

Instrument :

MSVOA\_W

ClientSampleId :

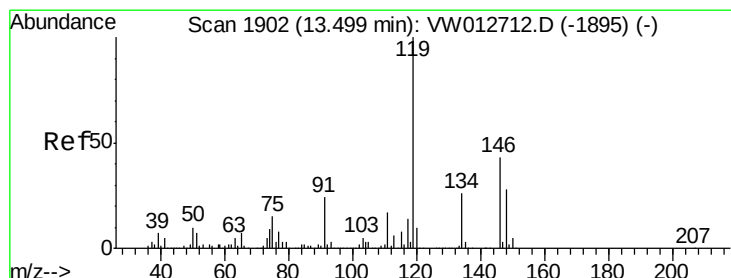
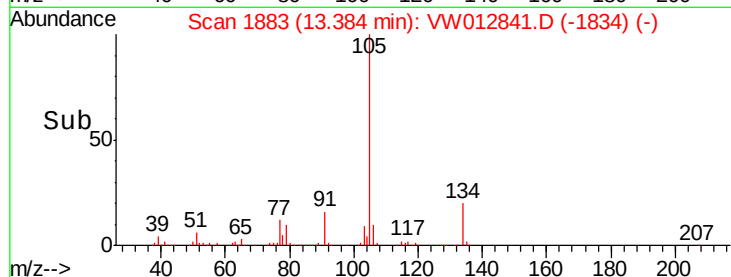
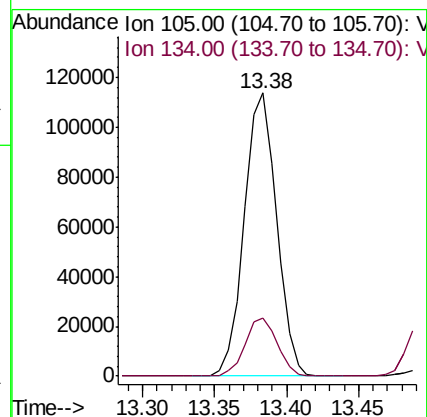
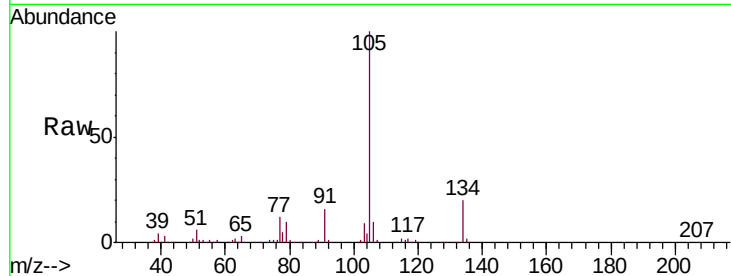
VW0909SBSD02

Tgt Ion:105 Resp: 176972

Ion Ratio Lower Upper

105 100

134 20.3 9.8 29.3



#86

p-Isopropyltoluene

Concen: 19.922 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. -0.01 min

Lab File: VW012841.D

Acq: 10 Sep 2019 00:37

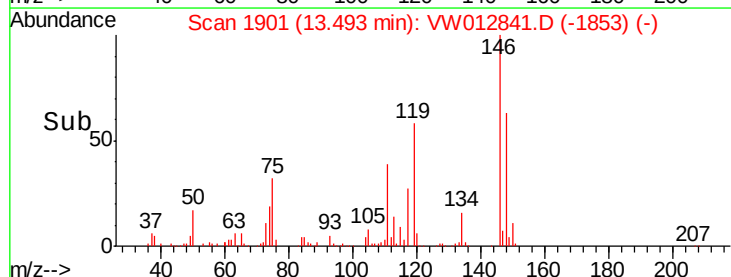
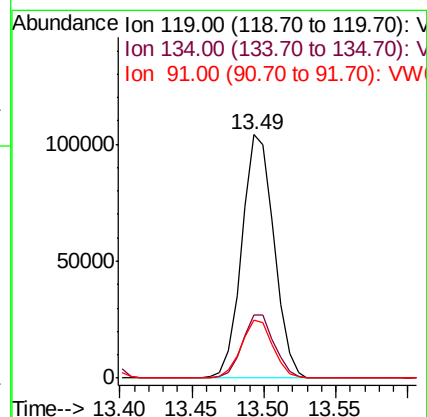
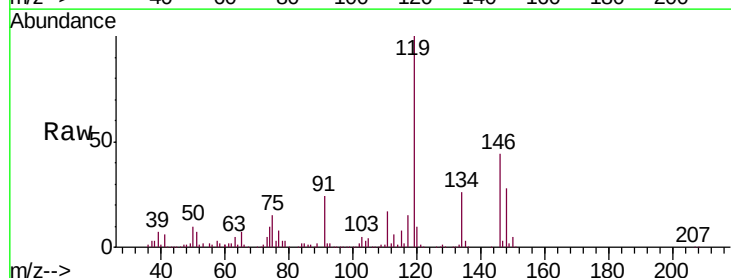
Tgt Ion:119 Resp: 160550

Ion Ratio Lower Upper

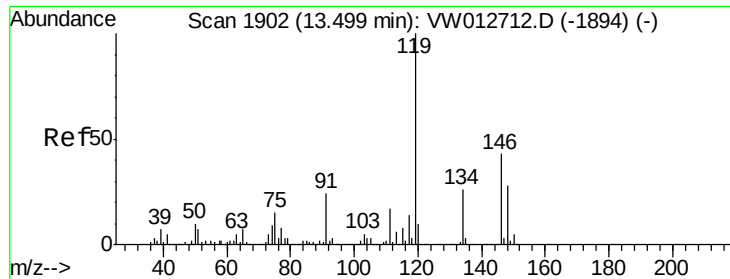
119 100

134 26.0 12.7 38.1

91 23.7 12.2 36.6



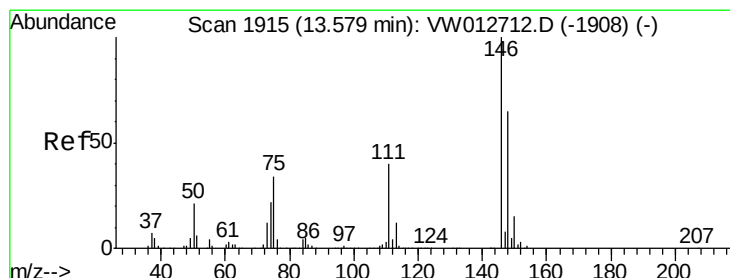
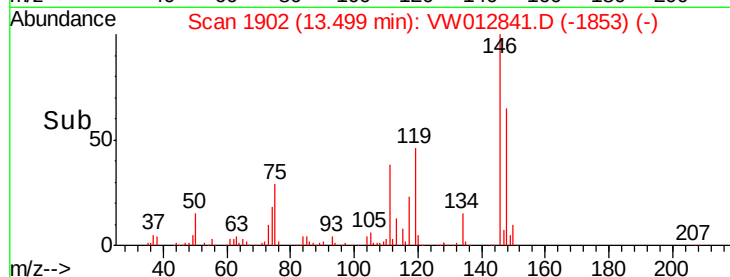
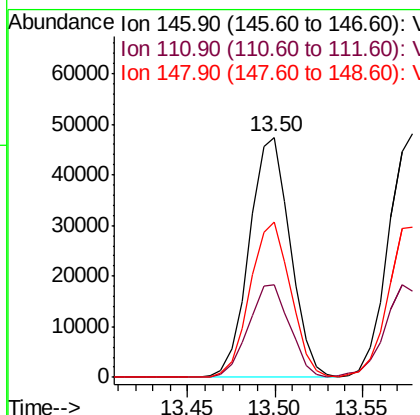
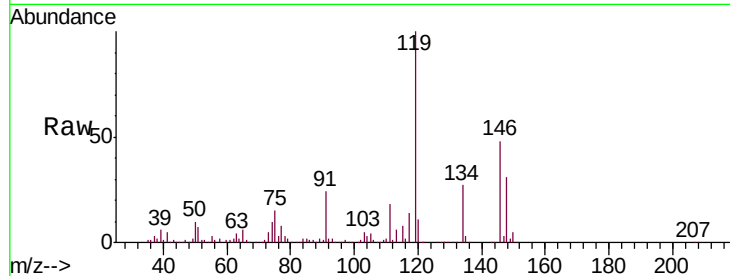




#87  
 1,3-Dichlorobenzene  
 Concen: 20.290 ug/l  
 RT: 13.50 min Scan# 1902  
 Delta R.T. 0.00 min  
 Lab File: VW012841.D  
 Acq: 10 Sep 2019 00:37

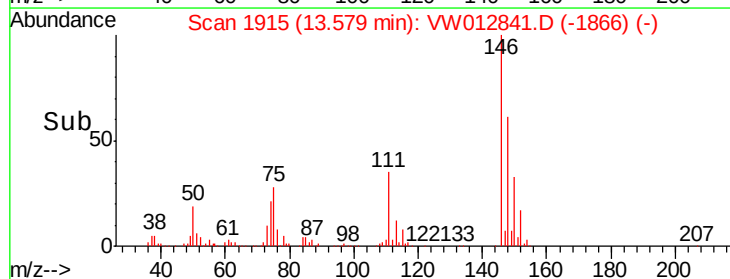
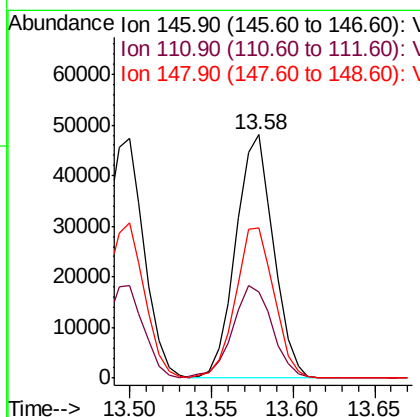
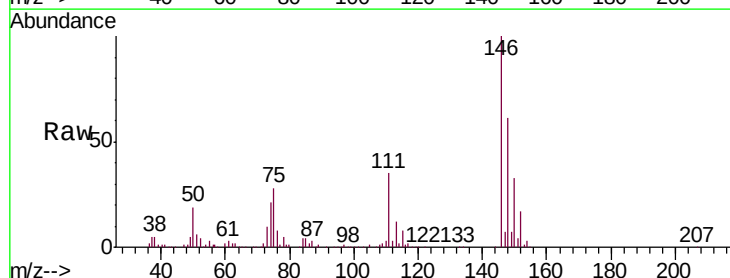
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0909SBSD02

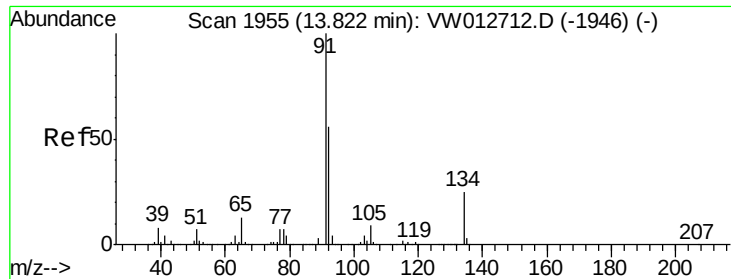
Tgt Ion:146 Resp: 77105  
 Ion Ratio Lower Upper  
 146 100  
 111 39.1 20.4 61.2  
 148 64.3 31.8 95.4



#88  
 1,4-Dichlorobenzene  
 Concen: 20.428 ug/l  
 RT: 13.58 min Scan# 1915  
 Delta R.T. 0.00 min  
 Lab File: VW012841.D  
 Acq: 10 Sep 2019 00:37

Tgt Ion:146 Resp: 77246  
 Ion Ratio Lower Upper  
 146 100  
 111 40.1 20.0 60.0  
 148 63.3 32.2 96.6





#89

n-Butylbenzene

Concen: 18.881 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW012841.D

Acq: 10 Sep 2019 00:37

Instrument :

MSVOA\_W

ClientSampleId :

VW0909SBSD02

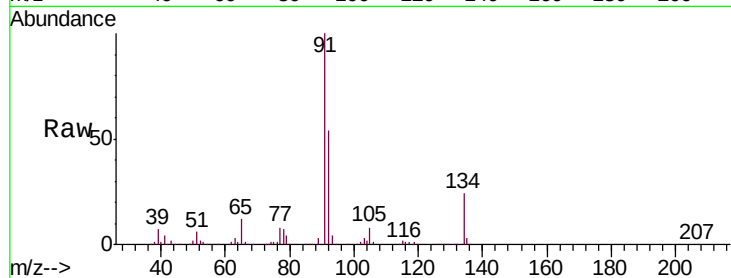
Tgt Ion: 91 Resp: 147723

Ion Ratio Lower Upper

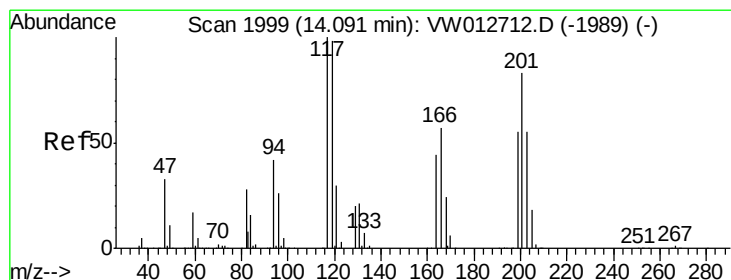
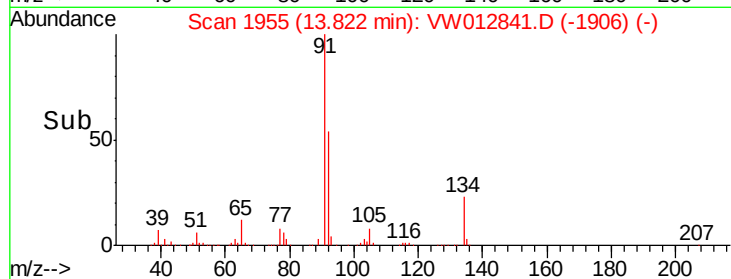
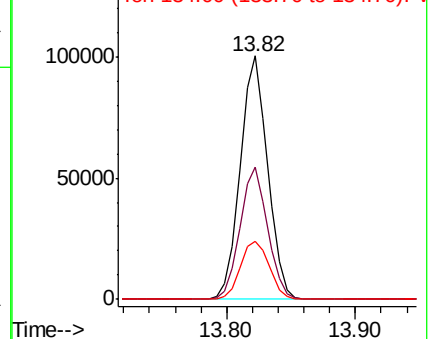
91 100

92 54.3 27.2 81.5

134 25.2 12.7 38.1



Abundance Ion 91.00 (90.70 to 91.70): VW  
Ion 92.00 (91.70 to 92.70): VW  
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 19.481 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW012841.D

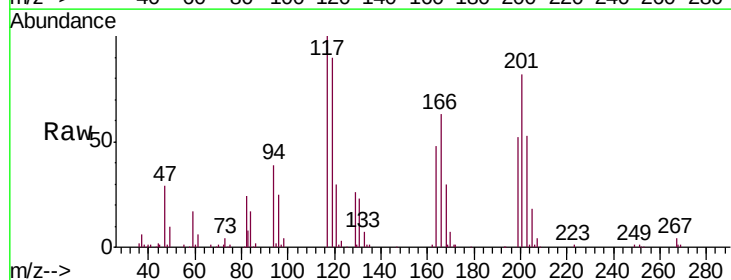
Acq: 10 Sep 2019 00:37

Tgt Ion: 117 Resp: 27407

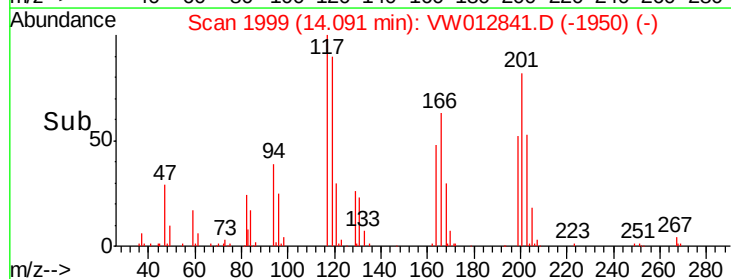
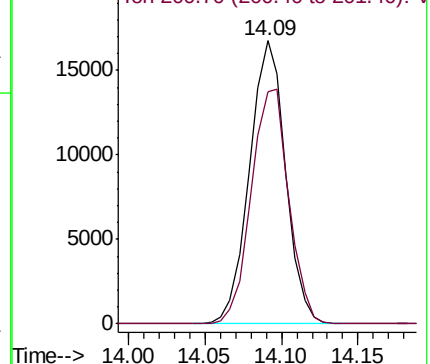
Ion Ratio Lower Upper

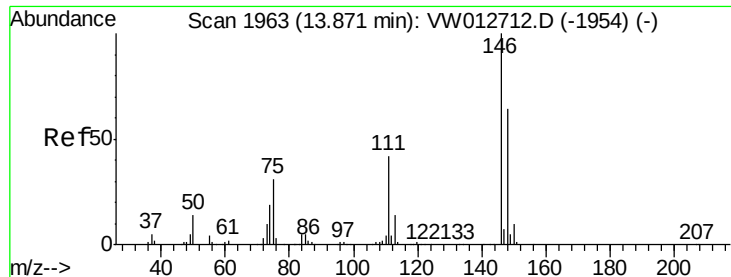
117 100

201 86.5 42.8 128.4



Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 200.70 (200.40 to 201.40): V

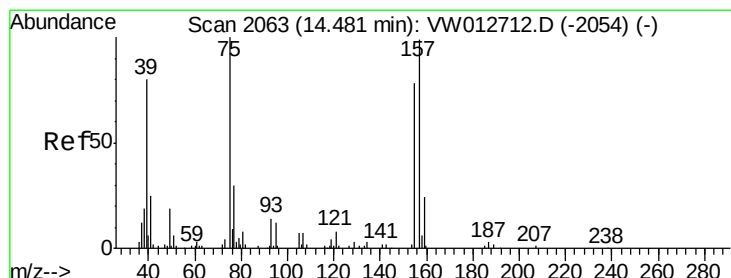
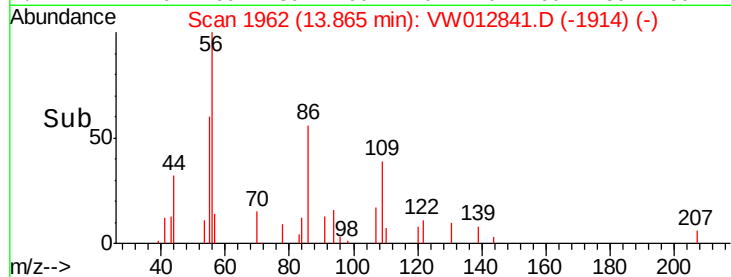
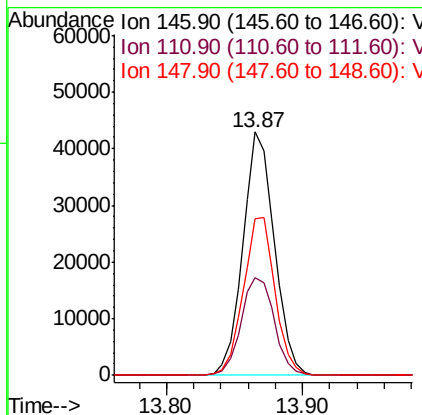
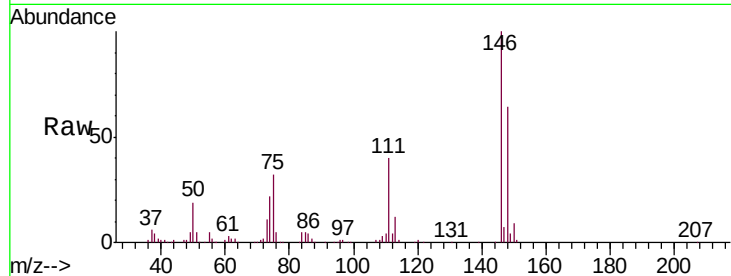




#91  
 1,2-Dichlorobenzene  
 Concen: 20.278 ug/l  
 RT: 13.87 min Scan# 1962  
 Delta R.T. -0.01 min  
 Lab File: VW012841.D  
 Acq: 10 Sep 2019 00:37

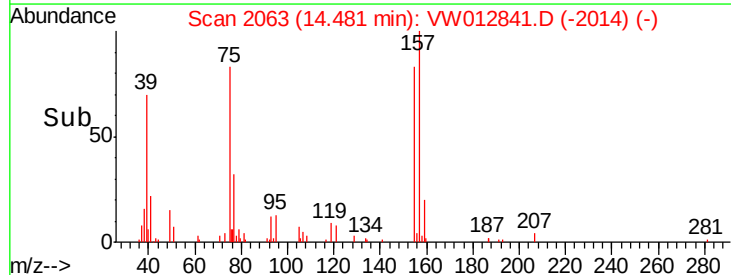
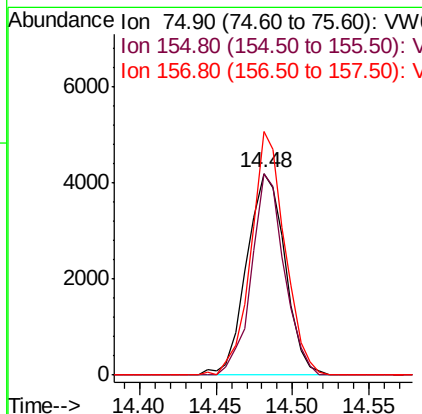
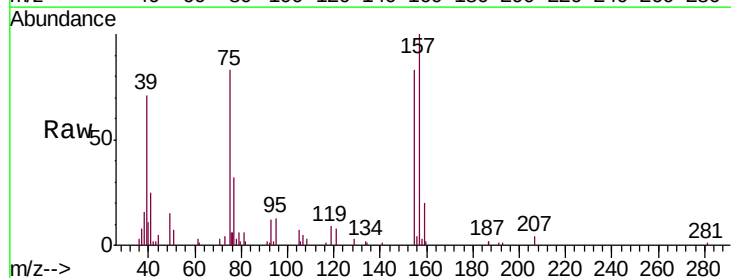
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0909SBSD02

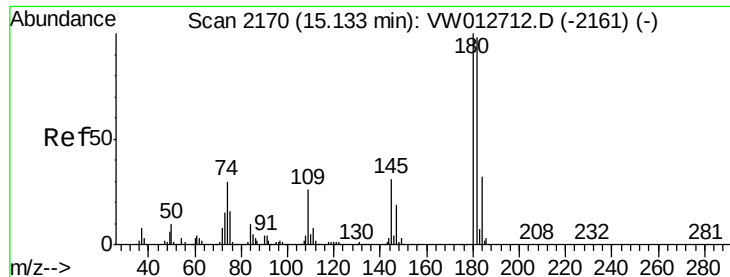
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 42.4  | 21.3  | 63.9  |
| 148     | 65.1  | 32.1  | 96.5  |



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 23.304 ug/l  
 RT: 14.48 min Scan# 2063  
 Delta R.T. 0.00 min  
 Lab File: VW012841.D  
 Acq: 10 Sep 2019 00:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 85.1  | 40.6  | 122.0 |
| 157     | 106.7 | 52.5  | 157.5 |

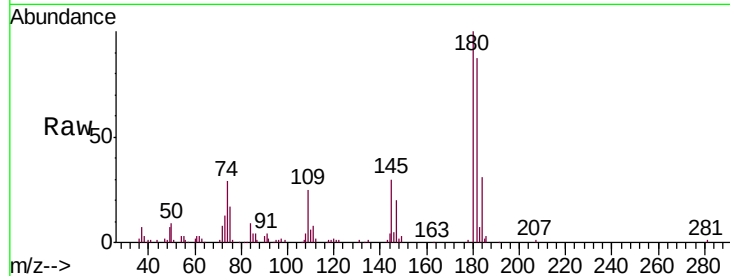




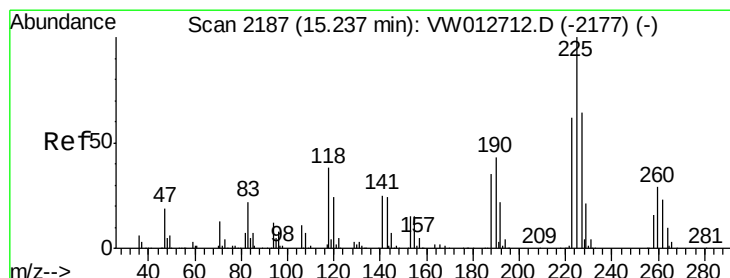
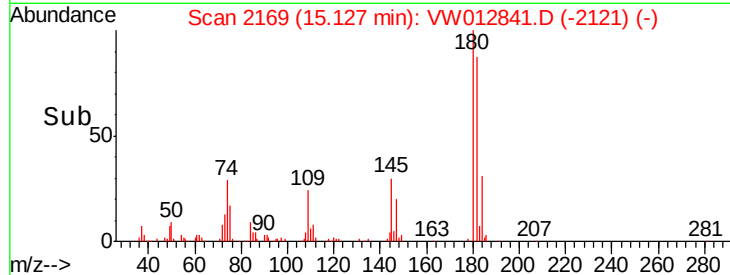
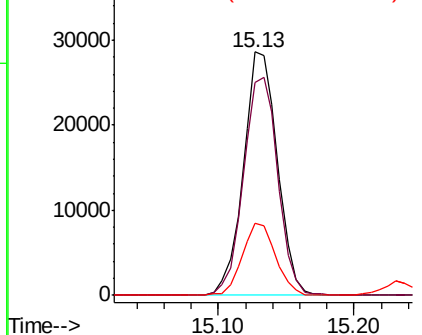
#93  
 1,2,4-Trichlorobenzene  
 Concen: 20.986 ug/l  
 RT: 15.13 min Scan# 2169  
 Delta R.T. -0.01 min  
 Lab File: VW012841.D  
 Acq: 10 Sep 2019 00:37

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0909SBSD02

Tgt Ion:180 Resp: 49975  
 Ion Ratio Lower Upper  
 180 100  
 182 90.6 48.7 146.1  
 145 29.0 15.0 45.1

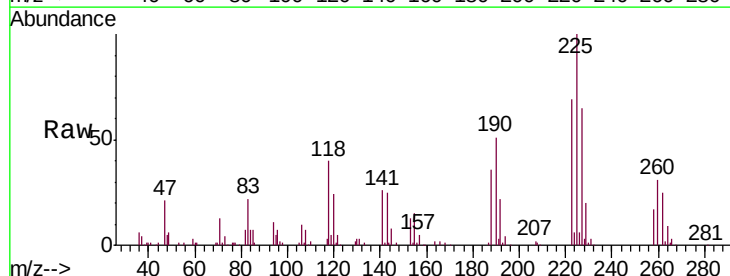


Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

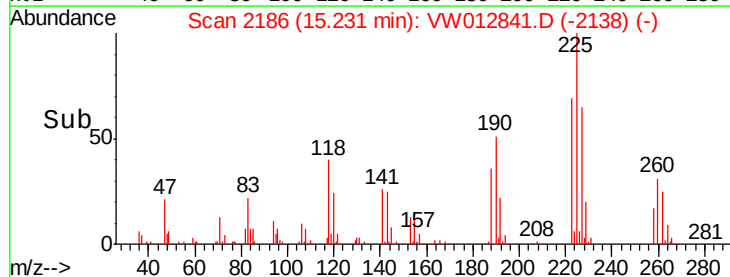
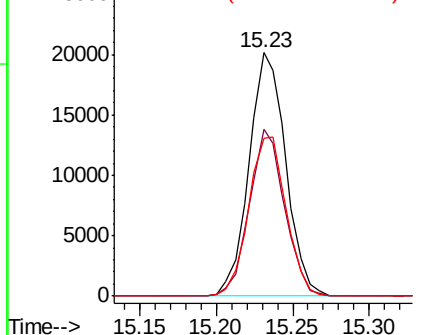


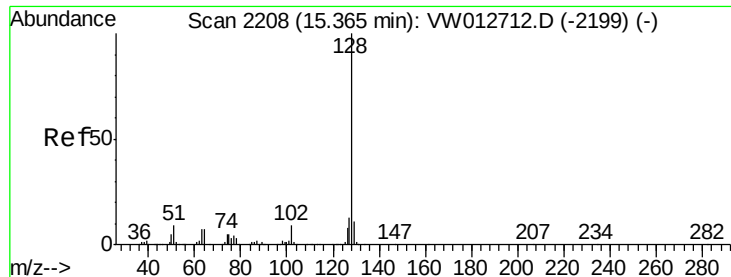
#94  
 Hexachlorobutadiene  
 Concen: 20.398 ug/l  
 RT: 15.23 min Scan# 2186  
 Delta R.T. -0.01 min  
 Lab File: VW012841.D  
 Acq: 10 Sep 2019 00:37

Tgt Ion:225 Resp: 33622  
 Ion Ratio Lower Upper  
 225 100  
 223 65.7 31.1 93.3  
 227 66.9 31.4 94.2



Abundance Ion 224.70 (224.40 to 225.40): V  
 Ion 222.70 (222.40 to 223.40): V  
 Ion 226.70 (226.40 to 227.40): V

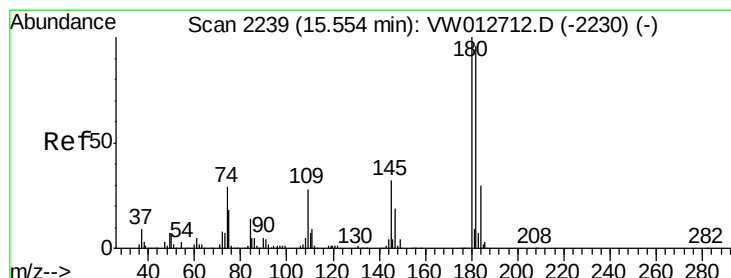
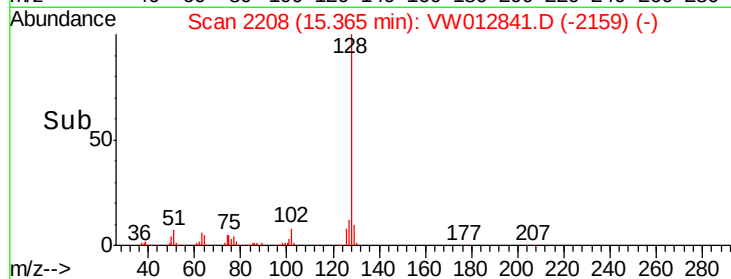
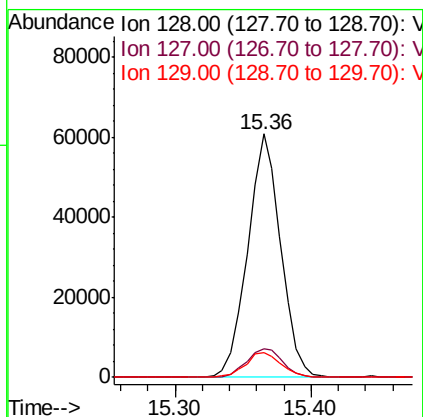
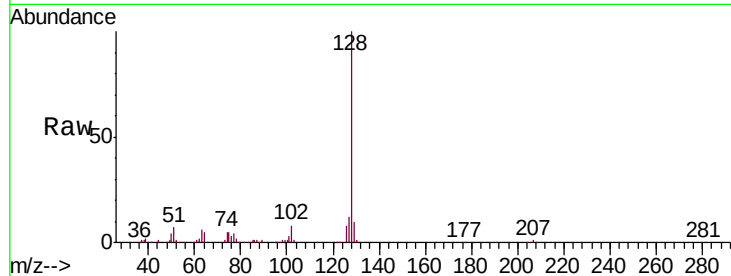




#95  
Naphthalene  
Concen: 23.244 ug/l  
RT: 15.36 min Scan# 2208  
Delta R.T. 0.00 min  
Lab File: VW012841.D  
Acq: 10 Sep 2019 00:37

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0909SBSD02

Tgt Ion:128 Resp: 103018  
Ion Ratio Lower Upper  
128 100  
127 13.0 10.7 16.1  
129 11.0 8.7 13.1



#96  
1,2,3-Trichlorobenzene  
Concen: 22.001 ug/l  
RT: 15.55 min Scan# 2239  
Delta R.T. 0.00 min  
Lab File: VW012841.D  
Acq: 10 Sep 2019 00:37

Tgt Ion:180 Resp: 46247  
Ion Ratio Lower Upper  
180 100  
182 95.1 47.8 143.3  
145 30.9 15.4 46.2

