

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022020\  
 Data File : VY001718.D  
 Acq On : 20 Feb 2020 12:59  
 Operator : SY/MD  
 Sample : L1601-01  
 Misc : 4.18G/5ML/MSVOA Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Feb 21 08:03:51 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y021720S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Feb 17 12:19:53 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.82  | 168  | 18329    | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.71  | 114  | 31842    | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.50 | 117  | 25347    | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.44 | 152  | 10266    | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.17  | 65   | 10055    | 51.00 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 102.00% |          |
| 35) Dibromofluoromethane    | 7.74  | 113  | 8565     | 46.96 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 93.92%  |          |
| 50) Toluene-d8              | 10.19 | 98   | 37569    | 52.58 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 105.16% |          |
| 62) 4-Bromofluorobenzene    | 12.50 | 95   | 11300    | 40.71 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 81.42%  |          |

| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 11) Tert butyl alcohol         | 4.99  | 59   | 1484     | 44.116    | ug/l # | 84     |
| 13) Acrolein                   | 3.96  | 56   | 3372     | 169.348   | ug/l # | 74     |
| 14) Allyl chloride             | 4.74  | 41   | 6826     | 19.286    | ug/l # | 64     |
| 16) Acetone                    | 3.96  | 43   | 10488    | 153.743   | ug/l # | 59     |
| 18) Methyl Acetate             | 4.72  | 43   | 17575    | 118.302   | ug/l # | 51     |
| 20) Methylene Chloride         | 4.76  | 84   | 397      | 1.638     | ug/l # | 56     |
| 25) 2-Butanone                 | 7.02  | 43   | 2673     | 28.844    | ug/l # | 72     |
| 30) Chloroform                 | 7.49  | 83   | 827      | 2.179     | ug/l # | 18     |
| 31) Cyclohexane                | 7.89  | 56   | 31781    | 76.728    | ug/l # | 20     |
| 36) 1,1-Dichloropropene        | 7.82  | 75   | 1603     | 5.270     | ug/l # | 42     |
| 37) Ethyl Acetate              | 7.02  | 43   | 2673     | 14.724    | ug/l # | 72     |
| 38) Carbon Tetrachloride       | 7.82  | 117  | 1935     | 7.243     | ug/l # | 17     |
| 39) Methylcyclohexane          | 9.17  | 83   | 1223     | 3.031     | ug/l # | 1      |
| 40) Benzene                    | 8.18  | 78   | 1559     | 1.743     | ug/l # | 81     |
| 41) Methacrylonitrile          | 7.40  | 41   | 258      | 2.831     | ug/l # | 31     |
| 43) Isopropyl Acetate          | 8.28  | 43   | 4255     | 12.354    | ug/l # | 53     |
| 47) Bromodichloromethane       | 9.48  | 83   | 422      | 1.492     | ug/l # | 25     |
| 48) Methyl methacrylate        | 9.35  | 41   | 1708     | 10.965    | ug/l # | 30     |
| 52) Toluene                    | 10.27 | 92   | 1224     | 2.194     | ug/l   | 96     |
| 55) 1,1,2-Trichloroethane      | 10.63 | 97   | 1942     | 11.240    | ug/l # | 19     |
| 56) Ethyl methacrylate         | 10.54 | 69   | 418      | 1.613     | ug/l # | 1      |
| 58) 2-Chloroethyl Vinyl ether  | 9.75  | 63   | 56       | Below Cal | #      | 48     |
| 67) Ethyl Benzene              | 11.60 | 91   | 1150     | 1.225     | ug/l # | 74     |
| 68) m/p-Xylenes                | 11.72 | 106  | 983      | 2.802     | ug/l   | 84     |
| 73) Isopropylbenzene           | 12.35 | 105  | 1020     | 1.304     | ug/l   | 99     |
| 76) 1,2,3-Trichloropropane     | 12.50 | 75   | 5766     | 48.962    | ug/l # | 100    |
| 78) n-propylbenzene            | 12.68 | 91   | 1021     | 1.072     | ug/l   | 97     |
| 81) trans-1,4-Dichloro-2-buten | 12.50 | 75   | 5766     | 92.890    | ug/l # | 17     |
| 83) tert-Butylbenzene          | 13.09 | 119  | 1308     | 2.416     | ug/l   | 92     |
| 85) sec-Butylbenzene           | 13.27 | 105  | 1801     | 2.262     | ug/l # | 71     |
| 86) p-Isopropyltoluene         | 13.53 | 119  | 1260     | 1.821     | ug/l   | 98     |
| 89) n-Butylbenzene             | 13.69 | 91   | 943      | 1.334     | ug/l # | 1      |
| 90) Hexachloroethane           | 14.05 | 117  | 1822     | 13.978    | ug/l # | 18     |
| 95) Naphthalene                | 15.26 | 128  | 840      | 1.812     | ug/l # | 94     |

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ALS Vial : 8 Sample Multiplier: 1

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MSVOA\_Y  
ClientSampleId :

Quant Time: Feb 21 08:03:51 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y021720S.M  
Quant Title : SW846 8260  
QLast Update : Mon Feb 17 12:19:53 2020  
Response via : Initial Calibration

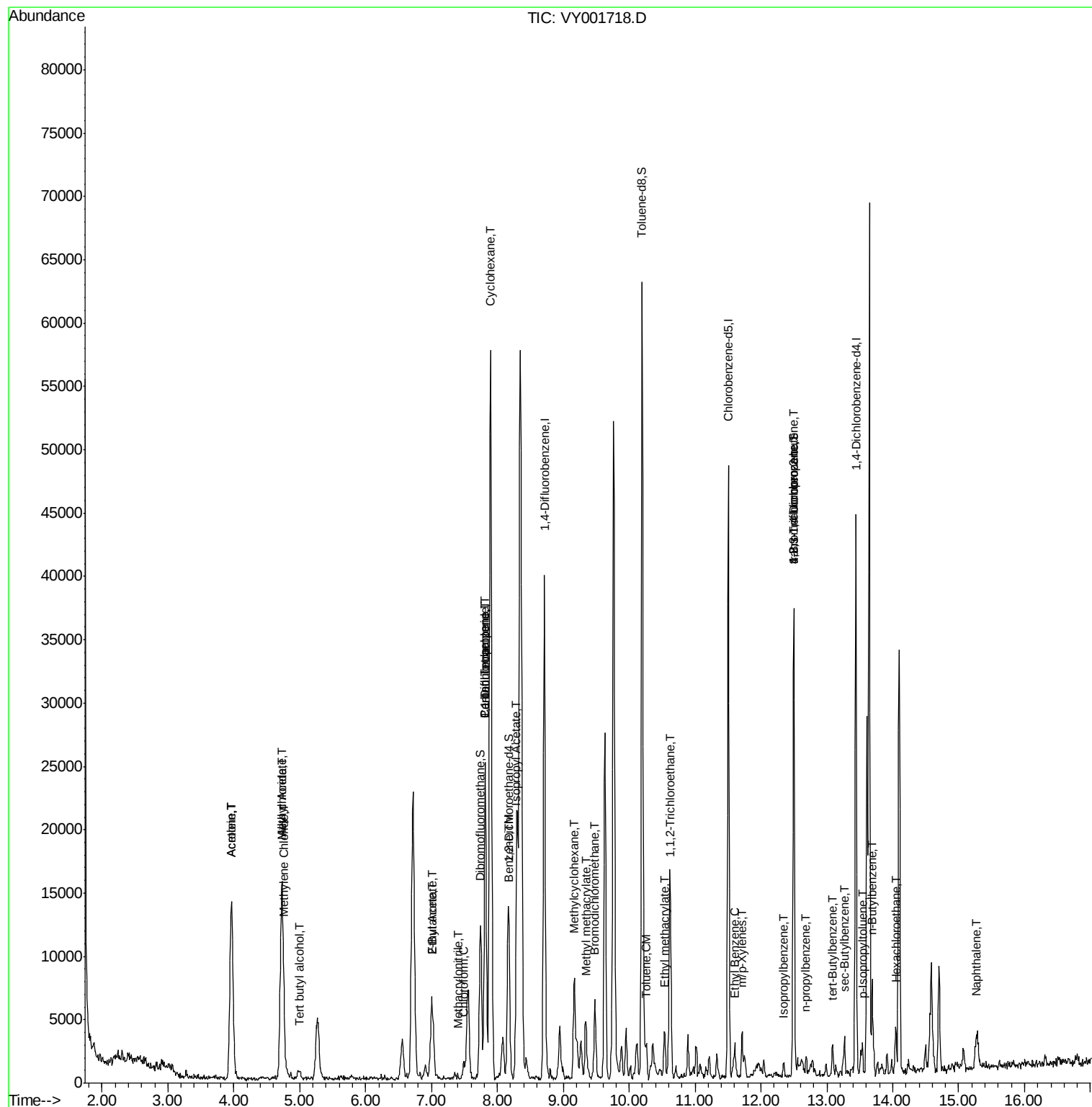
| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
| -----              |      |      |          |      |       |          |
| -----              |      |      |          |      |       |          |

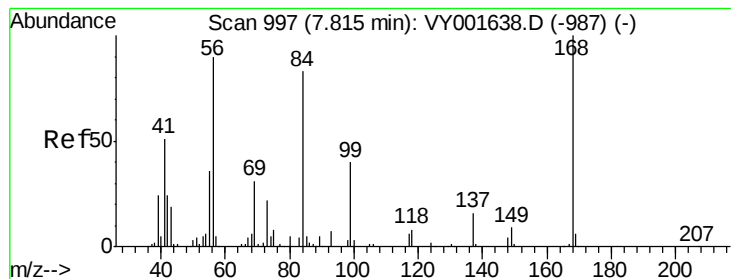
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY022020\  
Data File : VY001718.D  
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Sample : L1601-01  
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY001718.D

Acq: 20 Feb 2020 12:59

Instrument :

MSVOA\_Y

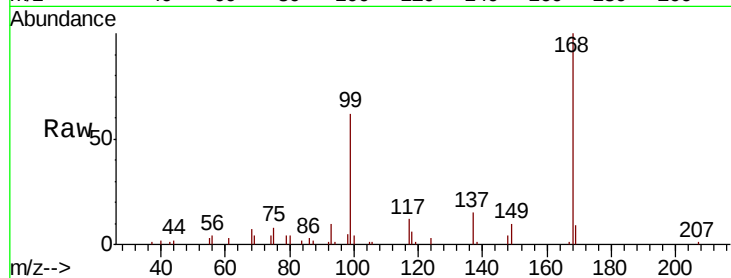
ClientSampleId :

Tot Ion:168 Resp: 18329

Ion Ratio Lower Upper

168 100

99 62.3 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001718.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY001718.D (-987) (-)

7.82

8000

6000

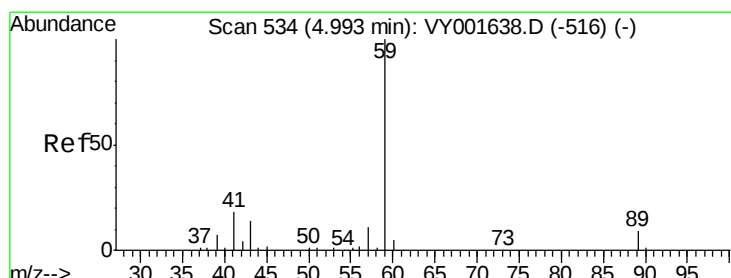
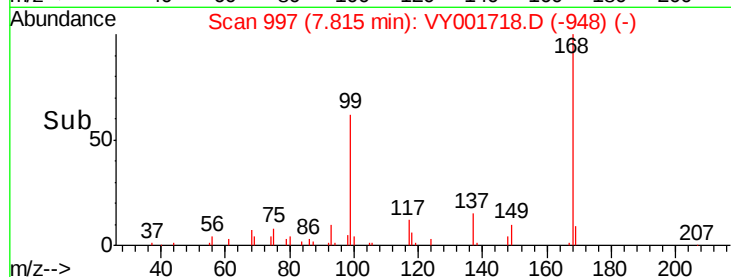
4000

2000

0

7.70 7.75 7.80 7.85 7.90

Time-->



#11

Tert butyl alcohol

Concen: 44.116 ug/l

RT: 4.99 min Scan# 534

Delta R.T. 0.00 min

Lab File: VY001718.D

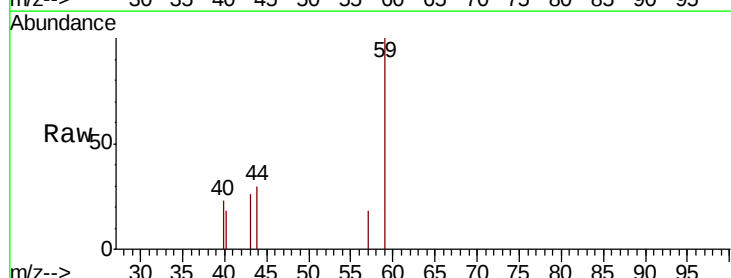
Acq: 20 Feb 2020 12:59

Tgt Ion: 59 Resp: 1484

Ion Ratio Lower Upper

59 100

57 3.6 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001718.D (-485) (-)

Ion 57.00 (56.70 to 57.70): VY001718.D (-485) (-)

4.99

400

300

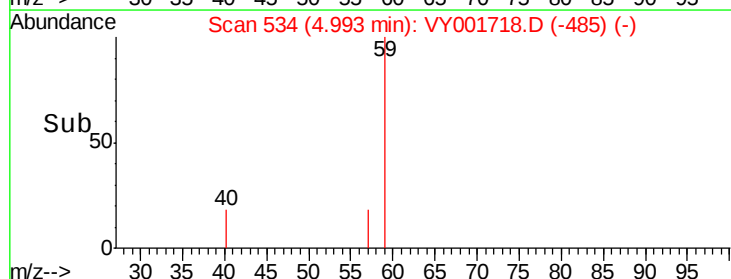
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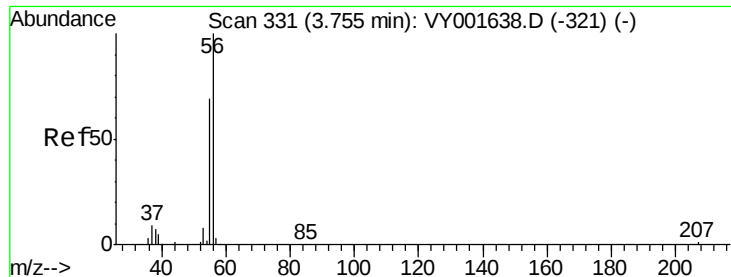
100

0

4.85 4.90 4.95 5.00 5.05

Time-->





#13

Acrolein

Concen: 169.348 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.20 min

Lab File: VY001718.D

Acq: 20 Feb 2020 12:59

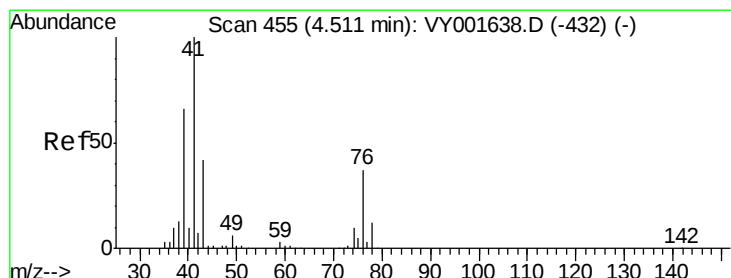
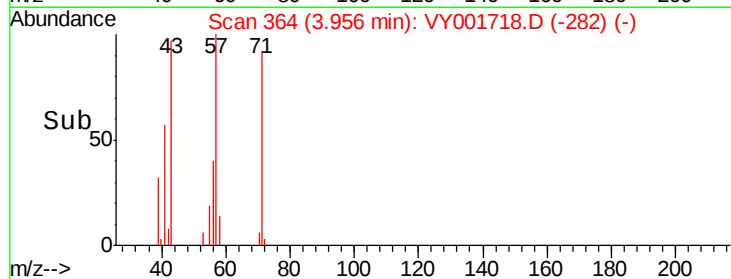
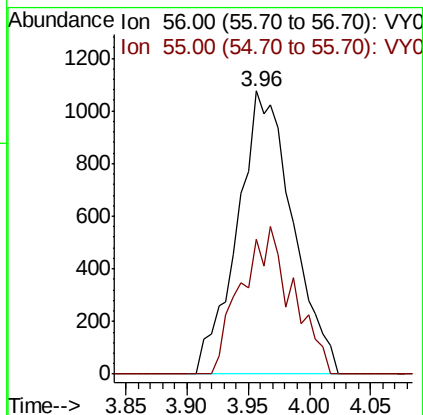
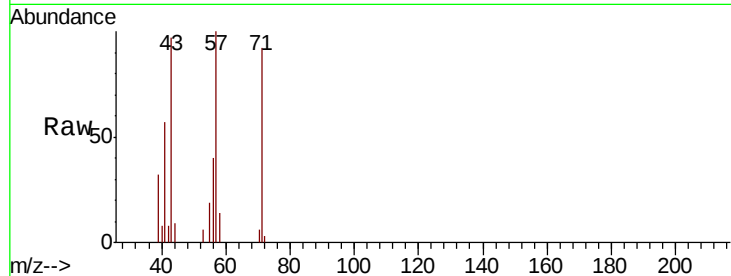
Instrument :  
MSVOA\_Y  
ClientSampleId :

Tot Ion: 56 Resp: 3372

Ion Ratio Lower Upper

56 100

55 48.5 56.1 84.1#



#14

Allyl chloride

Concen: 19.286 ug/l

RT: 4.74 min Scan# 492

Delta R.T. 0.23 min

Lab File: VY001718.D

Acq: 20 Feb 2020 12:59

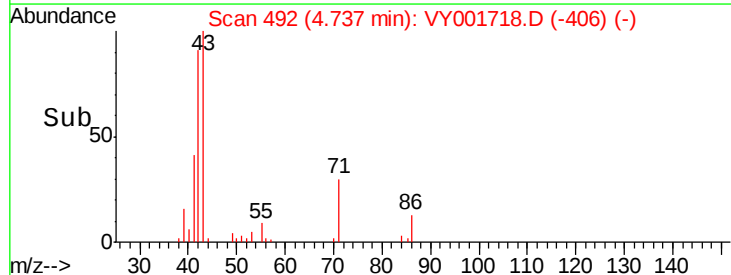
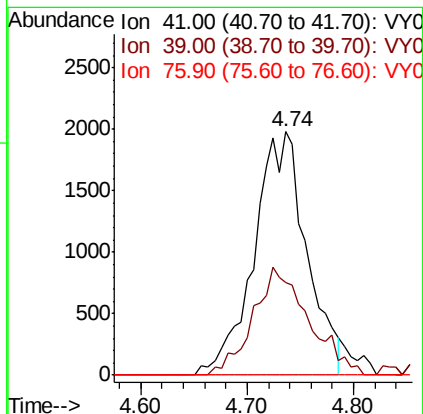
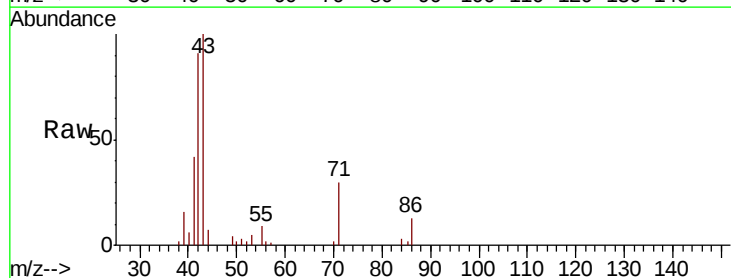
Tgt Ion: 41 Resp: 6826

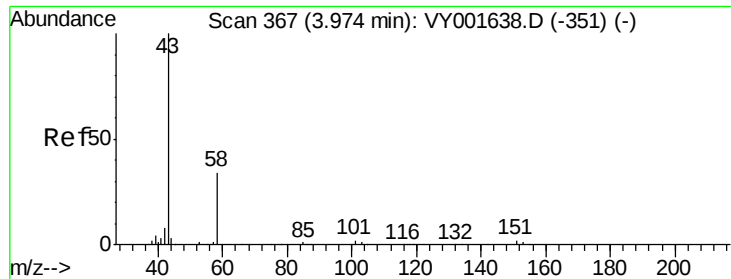
Ion Ratio Lower Upper

41 100

39 45.1 49.4 74.0#

76 0.0 29.0 43.6#

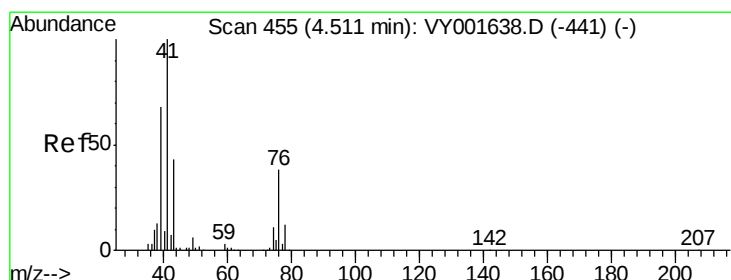
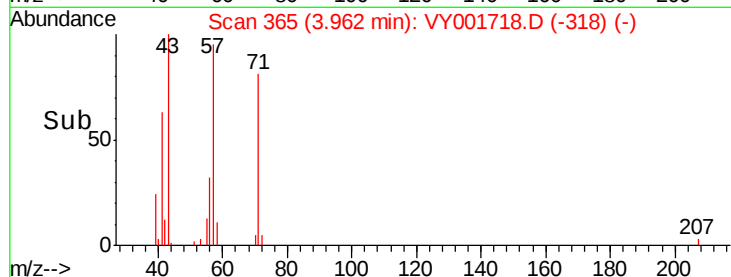
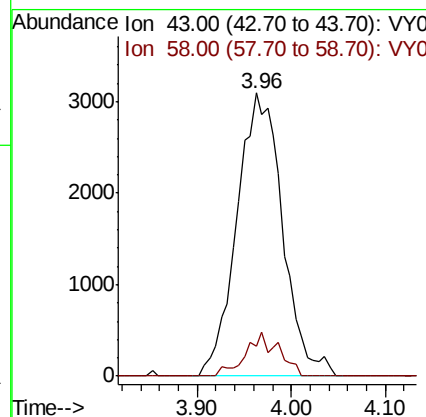
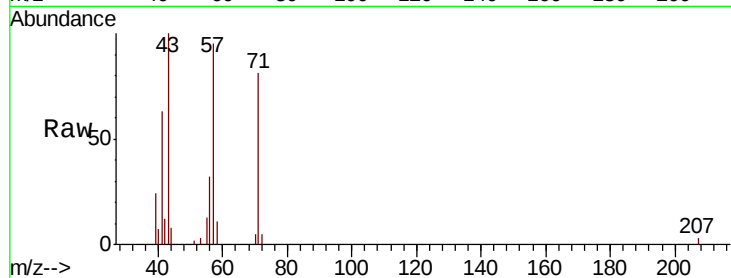




#16  
Acetone  
Concen: 153.743 ug/l  
RT: 3.96 min Scan# 365  
Delta R.T. -0.01 min  
Lab File: VY001718.D  
Acq: 20 Feb 2020 12:59

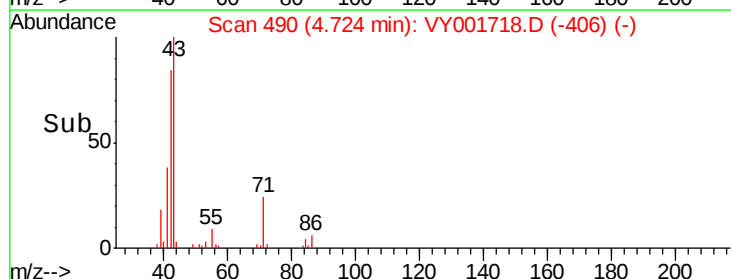
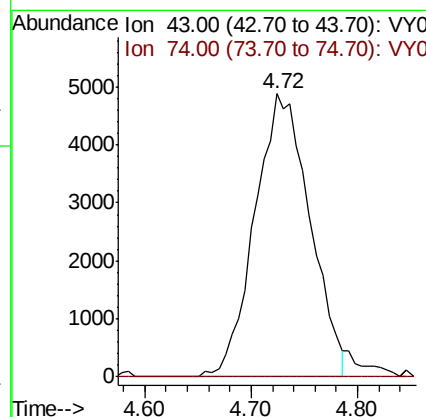
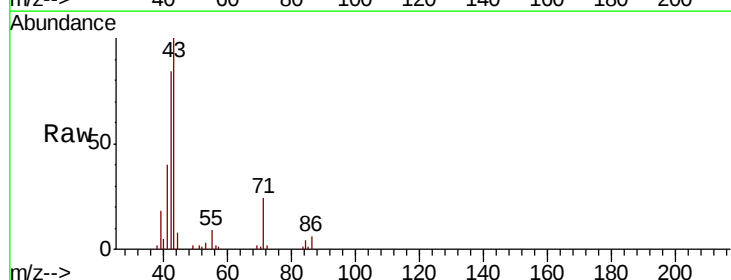
Instrument :  
MSVOA\_Y  
ClientSampleId :

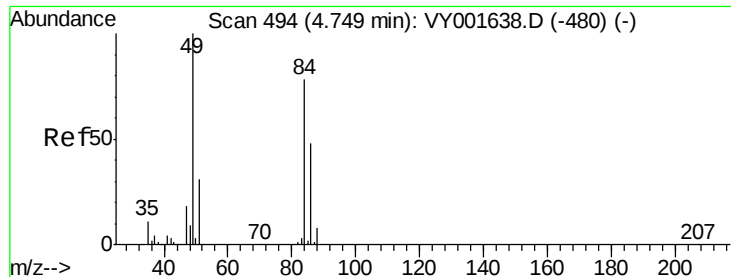
Tot Ion: 43 Resp: 10488  
Ion Ratio Lower Upper  
43 100  
58 10.8 27.3 40.9#



#18  
Methyl Acetate  
Concen: 118.302 ug/l  
RT: 4.72 min Scan# 490  
Delta R.T. 0.21 min  
Lab File: VY001718.D  
Acq: 20 Feb 2020 12:59

Tgt Ion: 43 Resp: 17575  
Ion Ratio Lower Upper  
43 100  
74 0.0 19.1 28.7#





#20

Methylene Chloride

Concen: 1.638 ug/l

RT: 4.76 min Scan# 496

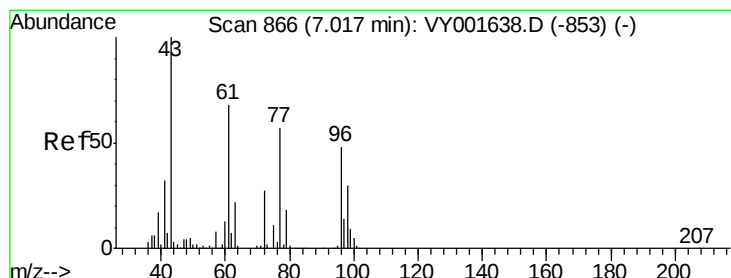
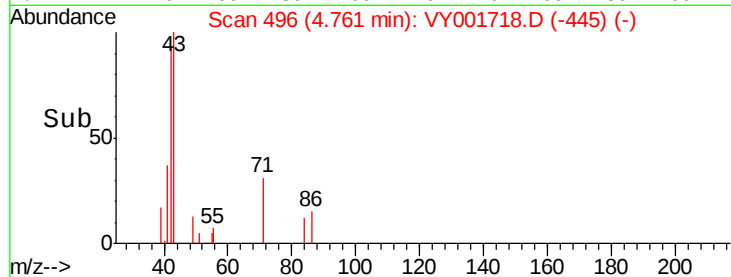
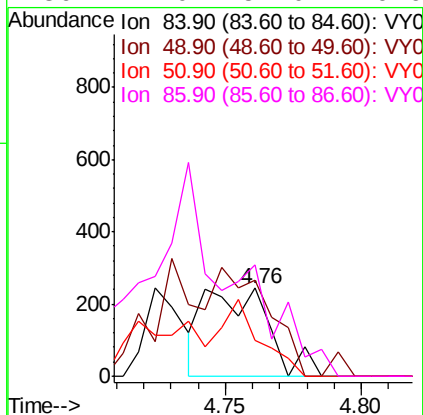
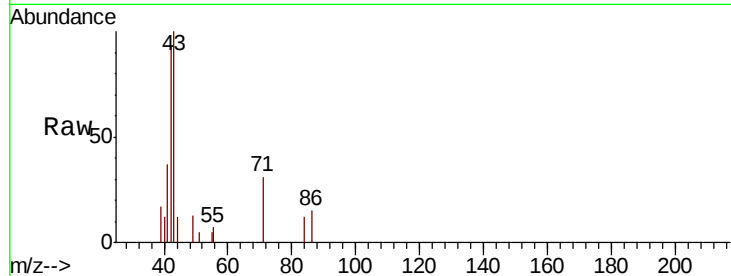
Delta R.T. 0.01 min

Lab File: VY001718.D

Acq: 20 Feb 2020 12:59

Instrument :  
MSVOA\_Y  
ClientSampled :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 84    | Resp: | 397    |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 81.6  | 99.2  | 148.8# |
| 51       | 41.0  | 31.5  | 47.3   |
| 86       | 127.0 | 51.0  | 76.6#  |



#25

2-Butanone

Concen: 28.844 ug/l

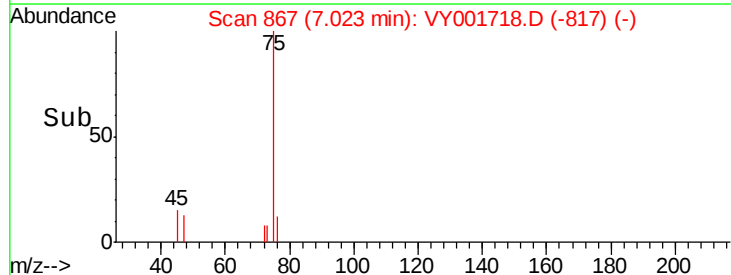
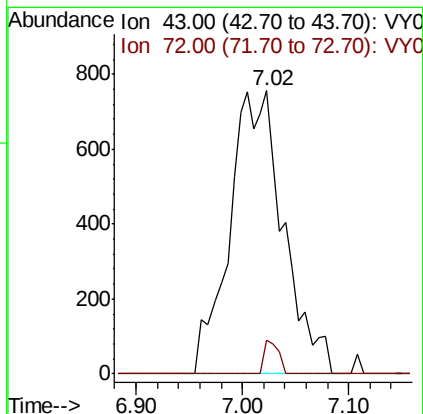
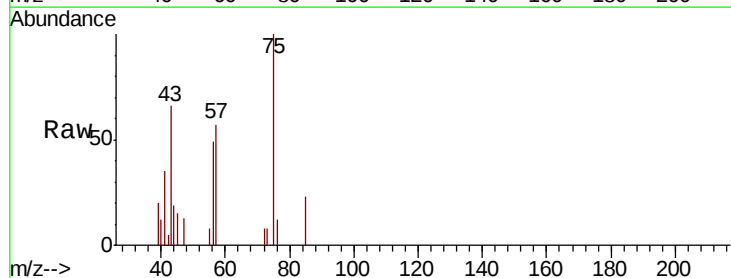
RT: 7.02 min Scan# 867

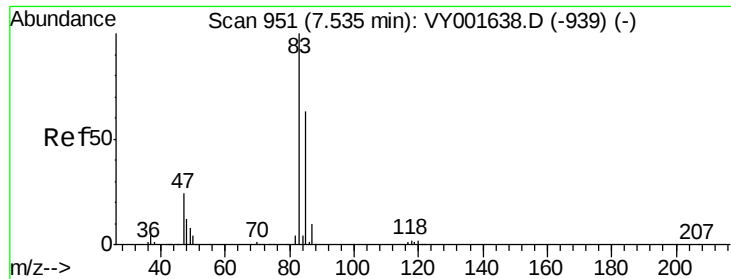
Delta R.T. 0.01 min

Lab File: VY001718.D

Acq: 20 Feb 2020 12:59

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 2673  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 11.9  | 21.2  | 31.8# |

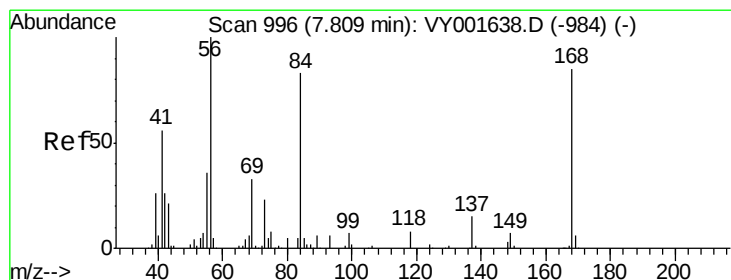
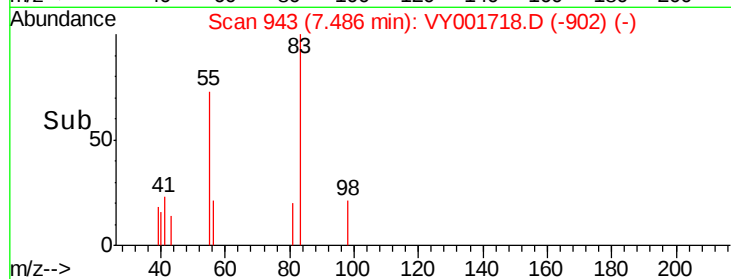
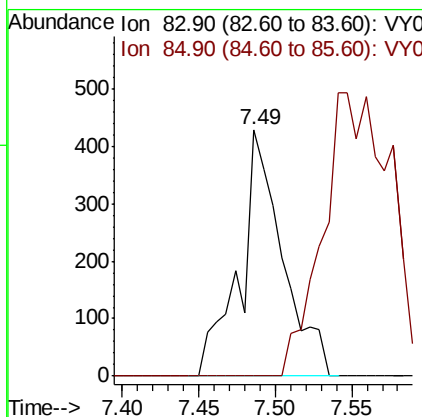
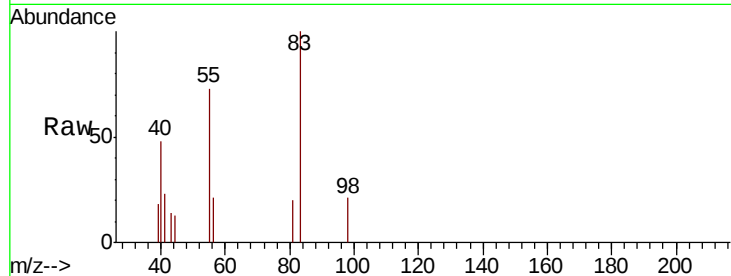




#30  
Chloroform  
Concen: 2.179 ug/l  
RT: 7.49 min Scan# 943  
Delta R.T. -0.05 min  
Lab File: VY001718.D  
Acq: 20 Feb 2020 12:59

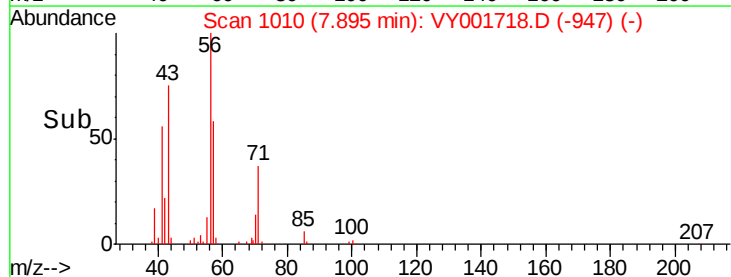
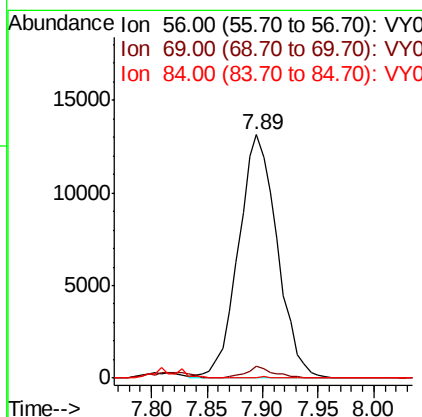
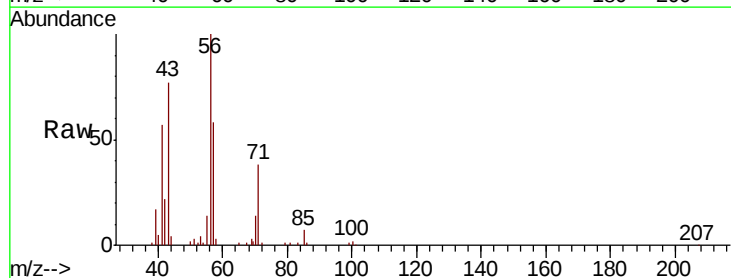
Instrument :  
MSVOA\_Y  
ClientSampled :

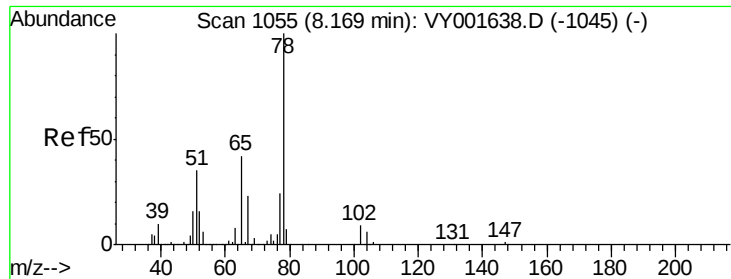
Tot Ion: 83 Resp: 827  
Ion Ratio Lower Upper  
83 100  
85 0.0 51.6 77.4#



#31  
Cyclohexane  
Concen: 76.728 ug/l  
RT: 7.89 min Scan# 1010  
Delta R.T. 0.09 min  
Lab File: VY001718.D  
Acq: 20 Feb 2020 12:59

Tgt Ion: 56 Resp: 31781  
Ion Ratio Lower Upper  
56 100  
69 4.9 25.1 37.7#  
84 0.0 66.9 100.3#

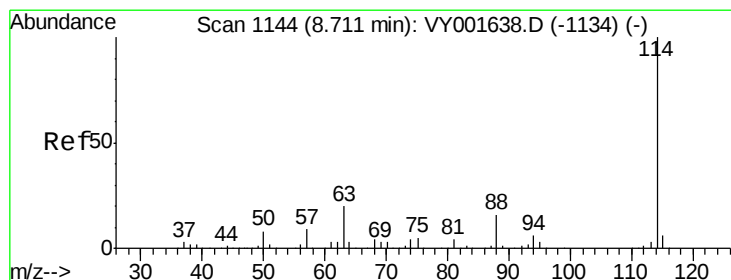
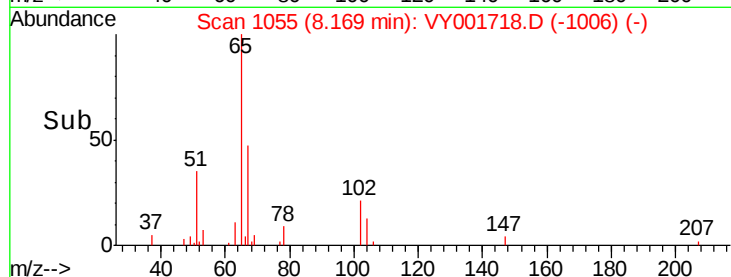
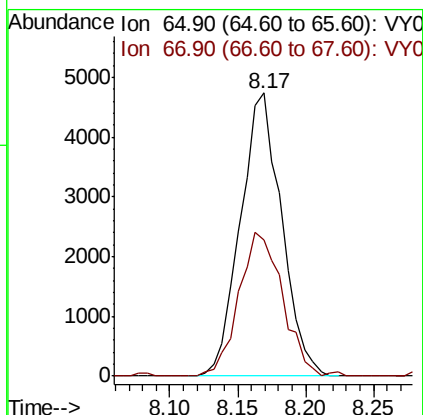
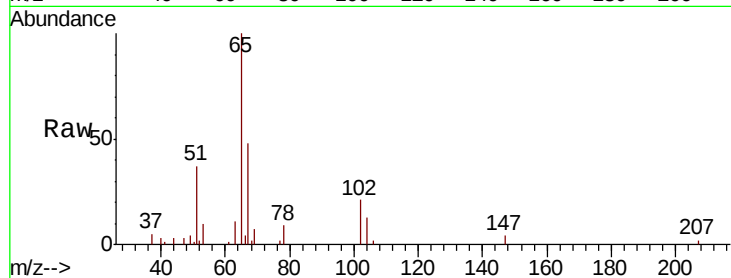




#33  
 1,2-Dichloroethane-d4  
 Concen: 51.001 ug/l  
 RT: 8.17 min Scan# 1055  
 Delta R.T. 0.00 min  
 Lab File: VY001718.D  
 Acq: 20 Feb 2020 12:59

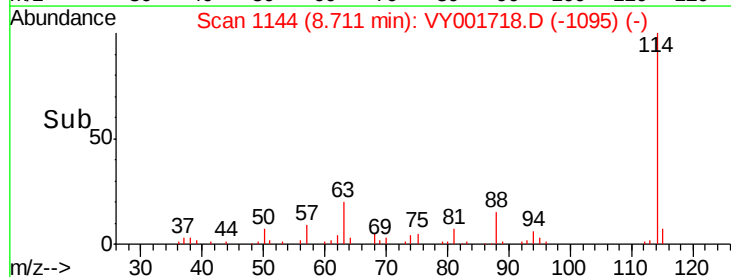
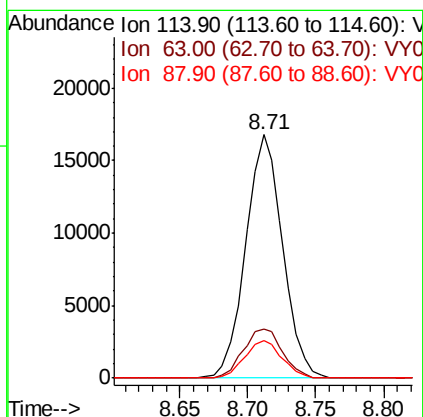
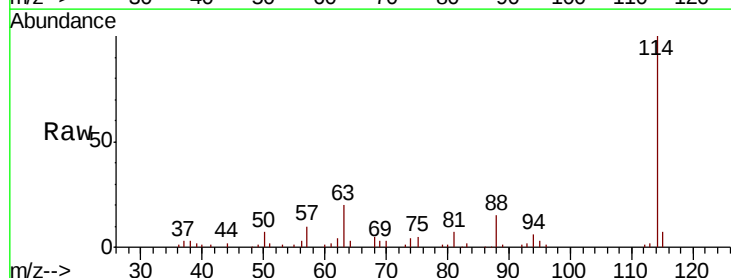
Instrument :  
 MSVOA\_Y  
 ClientSampled :

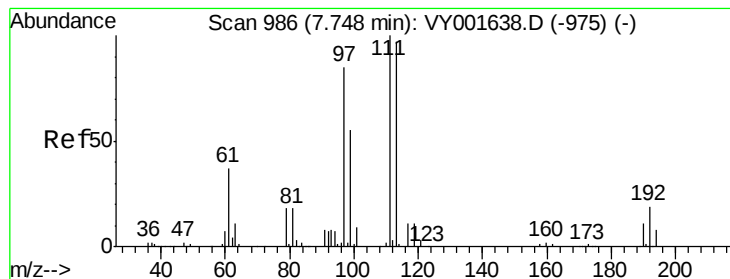
Tot Ion: 65 Resp: 10055  
 Ion Ratio Lower Upper  
 65 100  
 67 54.0 0.0 111.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.71 min Scan# 1144  
 Delta R.T. 0.00 min  
 Lab File: VY001718.D  
 Acq: 20 Feb 2020 12:59

Tgt Ion: 114 Resp: 31842  
 Ion Ratio Lower Upper  
 114 100  
 63 20.4 0.0 41.4  
 88 15.4 0.0 32.8





#35

Dibromofluoromethane

Concen: 46.963 ug/l

RT: 7.74 min Scan# 985

Delta R.T. -0.01 min

Lab File: VY001718.D

Acq: 20 Feb 2020 12:59

Instrument :

MSVOA\_Y

ClientSampleId :

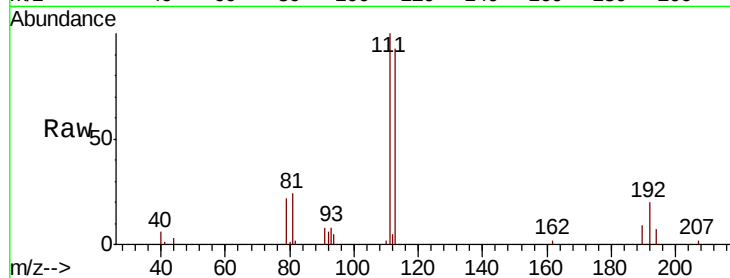
Tot Ion:113 Resp: 8565

Ion Ratio Lower Upper

113 100

111 103.6 81.9 122.9

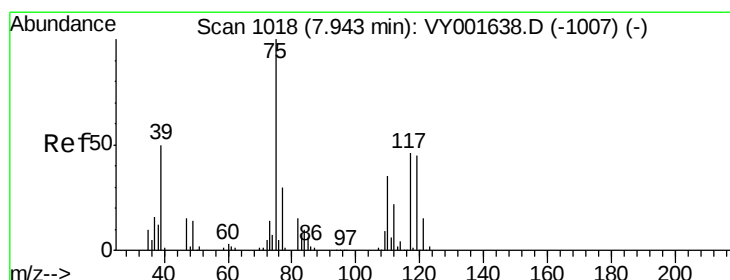
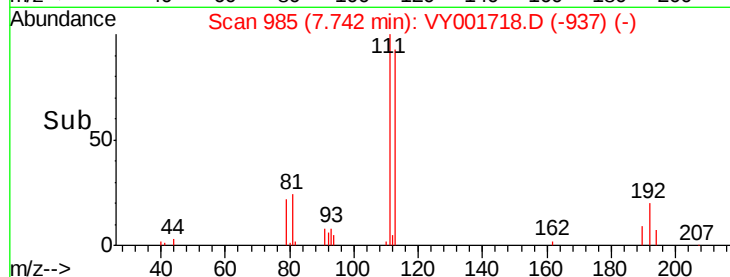
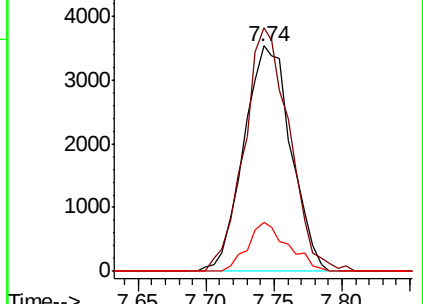
192 18.6 14.3 21.5



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.270 ug/l

RT: 7.82 min Scan# 998

Delta R.T. -0.12 min

Lab File: VY001718.D

Acq: 20 Feb 2020 12:59

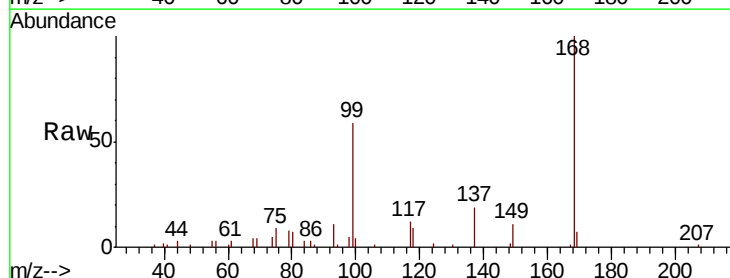
Tgt Ion: 75 Resp: 1603

Ion Ratio Lower Upper

75 100

110 0.0 17.2 51.6#

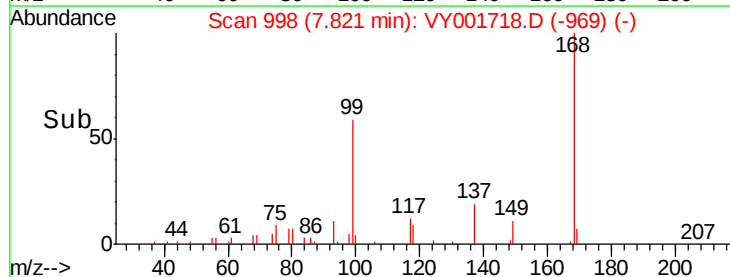
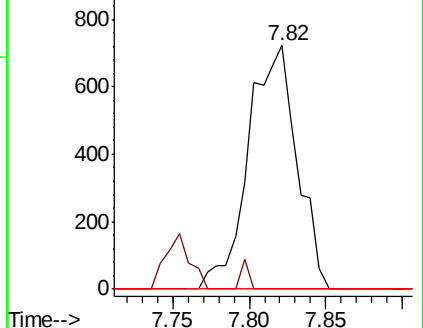
77 0.0 24.8 37.2#

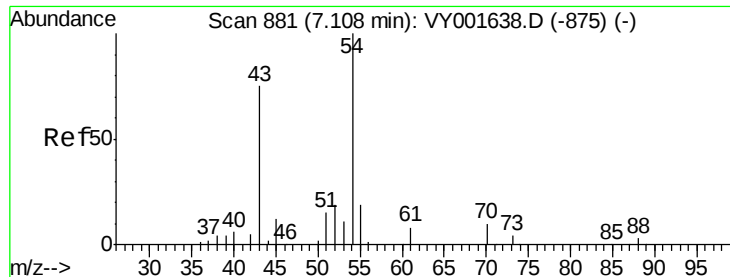


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

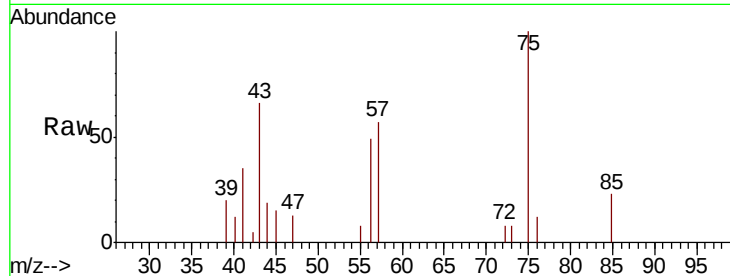




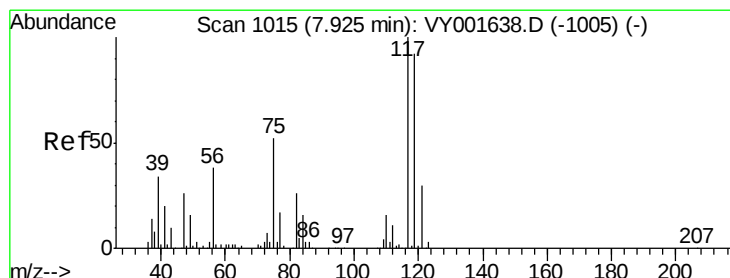
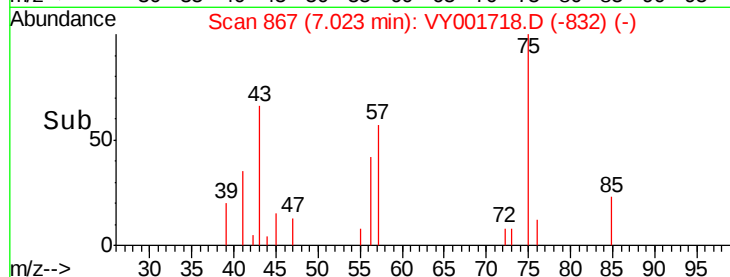
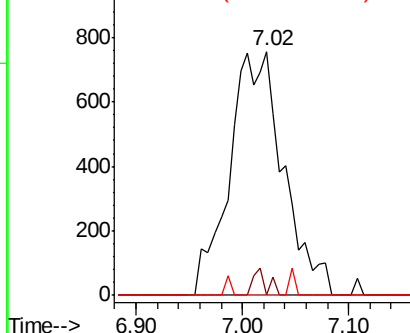
#37  
Ethyl Acetate  
Concen: 14.724 ug/l  
RT: 7.02 min Scan# 867  
Delta R.T. -0.09 min  
Lab File: VY001718.D  
Acq: 20 Feb 2020 12:59

Instrument :  
MSVOA\_Y  
ClientSampled :

Tot Ion: 43 Resp: 2673  
Ion Ratio Lower Upper  
43 100  
61 2.7 11.0 16.6#  
70 0.0 8.8 13.2#

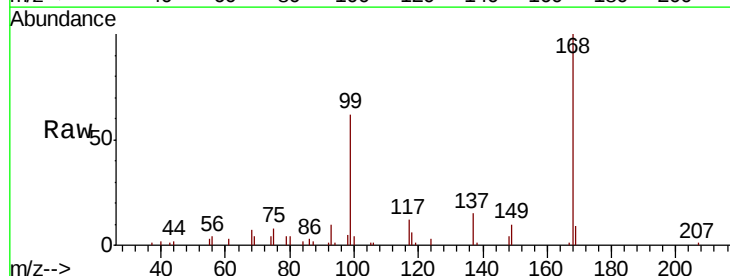


Abundance Ion 43.00 (42.70 to 43.70): VY0  
Ion 60.90 (60.60 to 61.60): VY0  
Ion 70.00 (69.70 to 70.70): VY0

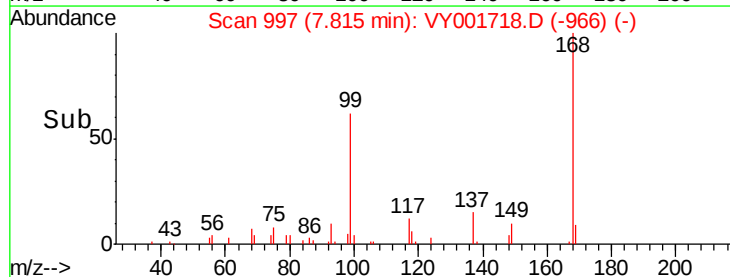
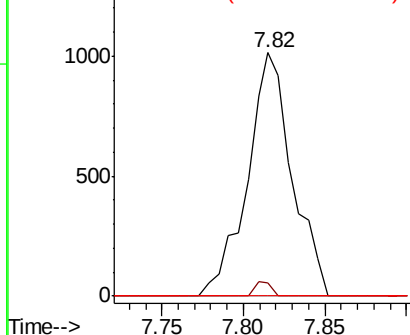


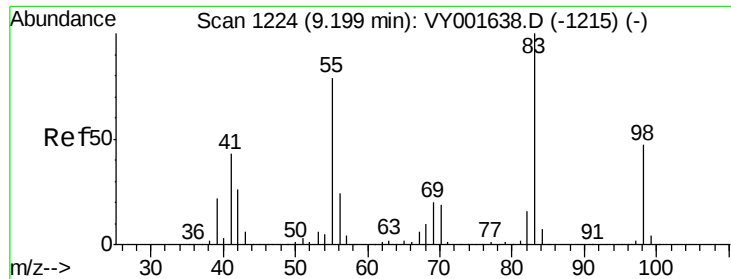
#38  
Carbon Tetrachloride  
Concen: 7.243 ug/l  
RT: 7.82 min Scan# 997  
Delta R.T. -0.11 min  
Lab File: VY001718.D  
Acq: 20 Feb 2020 12:59

Tgt Ion: 117 Resp: 1935  
Ion Ratio Lower Upper  
117 100  
119 5.3 74.8 112.2#  
121 0.0 23.8 35.6#



Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 118.80 (118.50 to 119.50): V  
Ion 120.80 (120.50 to 121.50): V

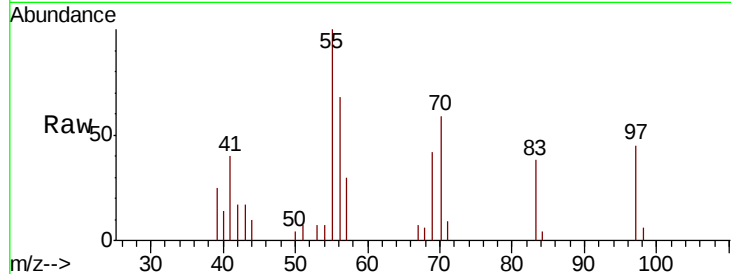




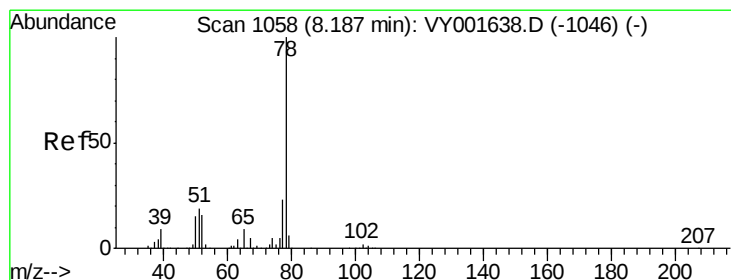
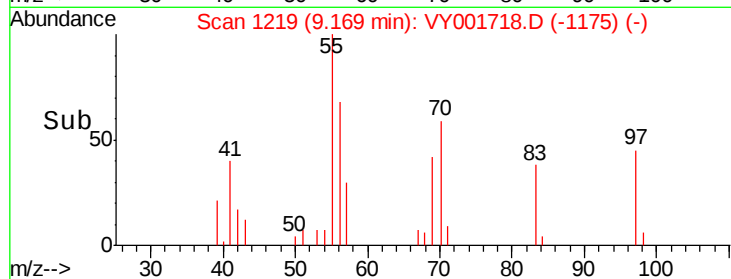
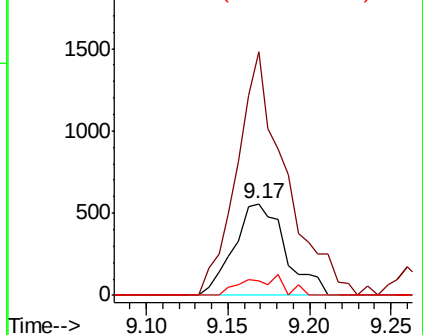
#39  
Methvlcvclohexane  
Concen: 3.031 ug/l  
RT: 9.17 min Scan# 1219  
Delta R.T. -0.03 min  
Lab File: VY001718.D  
Acq: 20 Feb 2020 12:59

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tot Ion: 83 Resp: 1223  
Ion Ratio Lower Upper  
83 100  
55 264.8 61.3 91.9#  
98 15.7 38.0 57.0#

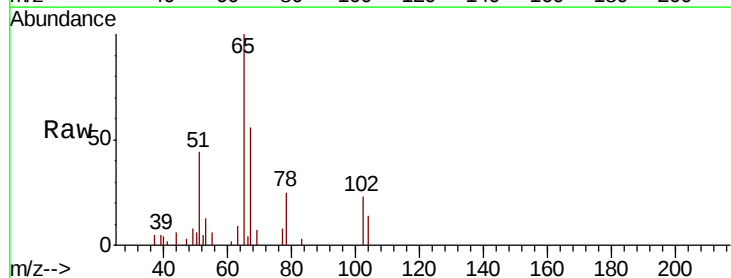


Abundance Ion 83.00 (82.70 to 83.70): VY0  
Ion 55.00 (54.70 to 55.70): VY0  
Ion 98.00 (97.70 to 98.70): VY0

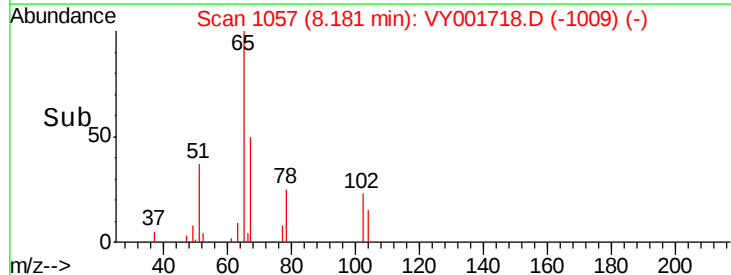
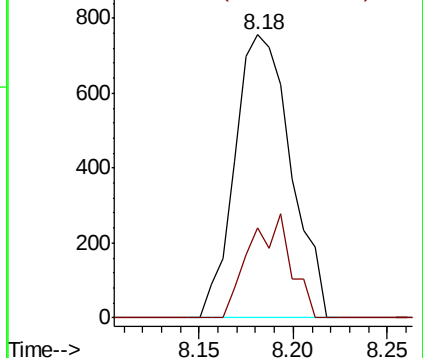


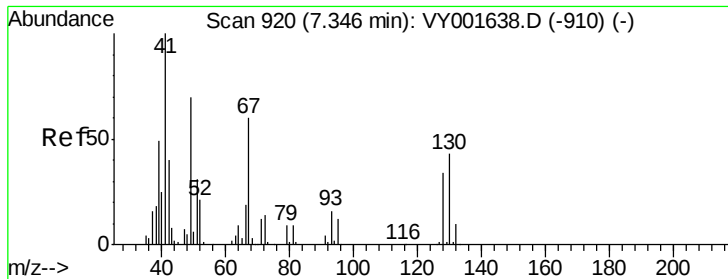
#40  
Benzene  
Concen: 1.743 ug/l  
RT: 8.18 min Scan# 1057  
Delta R.T. -0.01 min  
Lab File: VY001718.D  
Acq: 20 Feb 2020 12:59

Tgt Ion: 78 Resp: 1559  
Ion Ratio Lower Upper  
78 100  
77 32.0 18.2 27.4#



Abundance Ion 78.00 (77.70 to 78.70): VY0  
Ion 77.00 (76.70 to 77.70): VY0

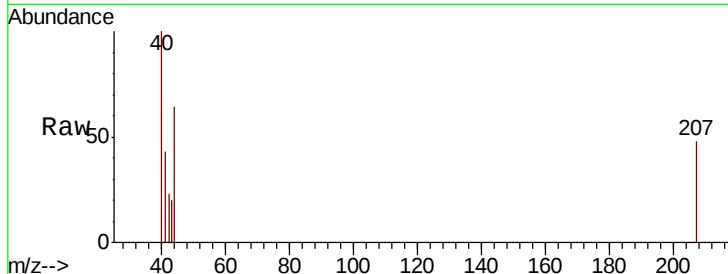




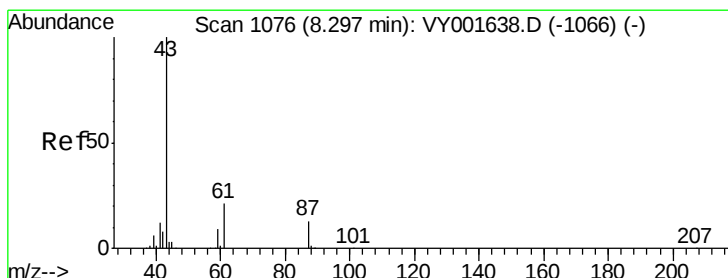
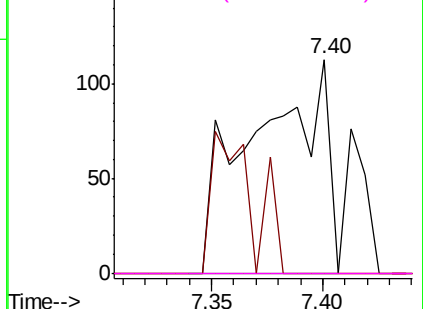
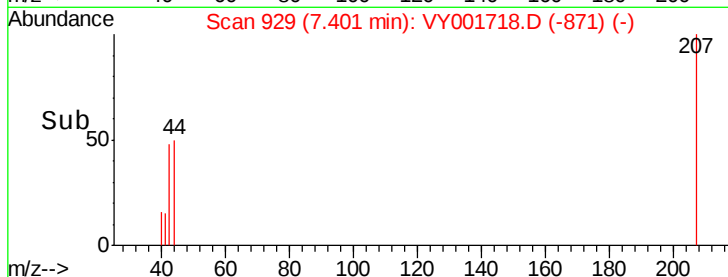
#41  
Methacrylonitrile  
Concen: 2.831 ug/l  
RT: 7.40 min Scan# 929  
Delta R.T. 0.06 min  
Lab File: VY001718.D  
Acq: 20 Feb 2020 12:59

Instrument :  
MSVOA\_Y  
ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 41    | Resp: | 258   |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 0.0   | 36.0  | 54.0# |
| 67       | 0.0   | 0.0   | 0.0   |
| 52       | 0.0   | 0.0   | 0.0   |

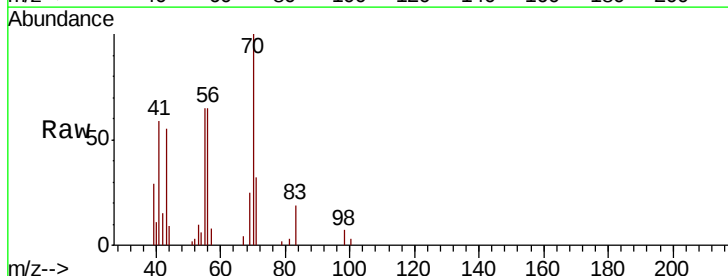


Abundance Ion 41.00 (40.70 to 41.70): VY0  
Ion 39.00 (38.70 to 39.70): VY0  
Ion 67.00 (66.70 to 67.70): VY0  
Ion 52.00 (51.70 to 52.70): VY0

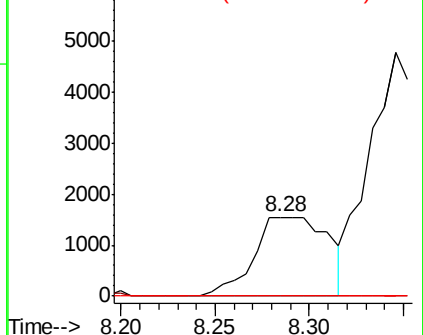
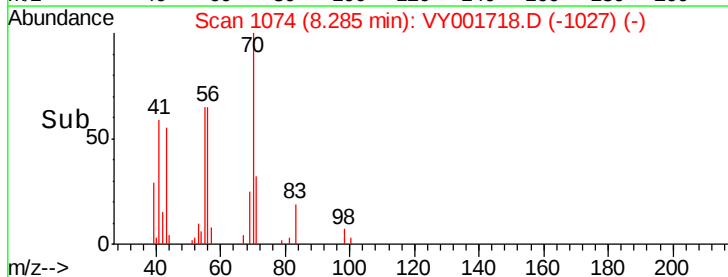


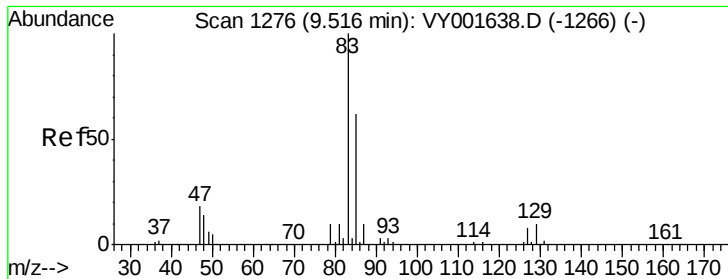
#43  
Isopropyl Acetate  
Concen: 12.354 ug/l  
RT: 8.28 min Scan# 1074  
Delta R.T. -0.01 min  
Lab File: VY001718.D  
Acq: 20 Feb 2020 12:59

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 4255  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 0.0   | 23.0  | 34.4# |
| 87       | 0.0   | 10.7  | 16.1# |



Abundance Ion 43.00 (42.70 to 43.70): VY0  
Ion 61.00 (60.70 to 61.70): VY0  
Ion 87.00 (86.70 to 87.70): VY0





#47

Bromodichloromethane

Concen: 1.492 ug/l

RT: 9.48 min Scan# 1270

Delta R.T. -0.04 min

Lab File: VY001718.D

Acq: 20 Feb 2020 12:59

Instrument :

MSVOA\_Y

ClientSampleId :

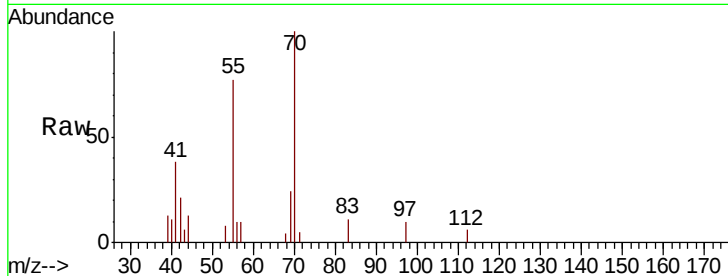
Tot Ion: 83 Resp: 422

Ion Ratio Lower Upper

83 100

85 0.0 51.4 77.0#

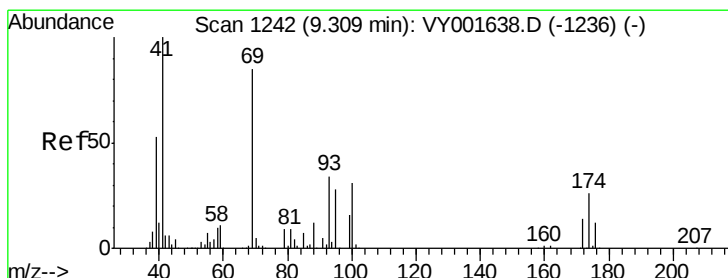
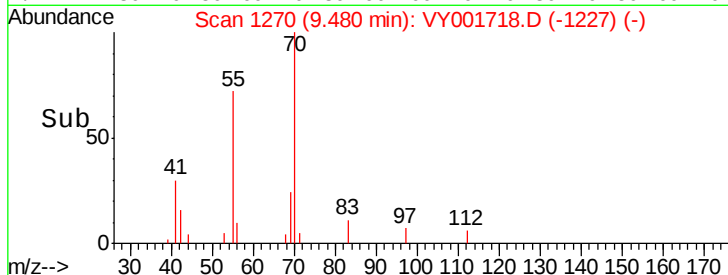
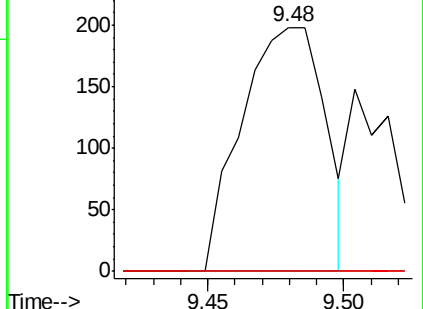
127 0.0 6.4 9.6#



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

Ion 126.80 (126.50 to 127.50): VY0



#48

Methyl methacrylate

Concen: 10.965 ug/l

RT: 9.35 min Scan# 1248

Delta R.T. 0.04 min

Lab File: VY001718.D

Acq: 20 Feb 2020 12:59

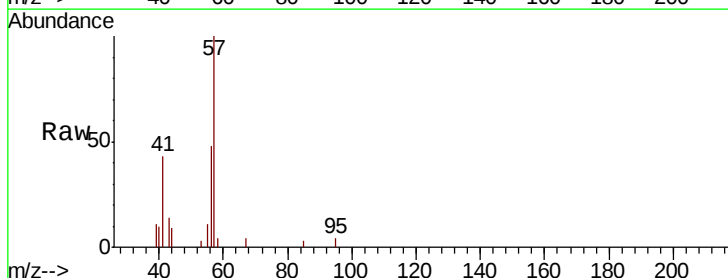
Tgt Ion: 41 Resp: 1708

Ion Ratio Lower Upper

41 100

69 0.0 70.7 106.1#

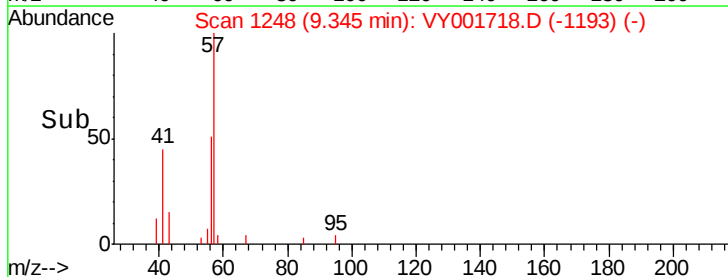
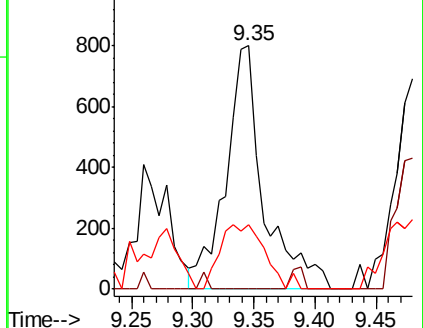
39 31.7 42.2 63.2#

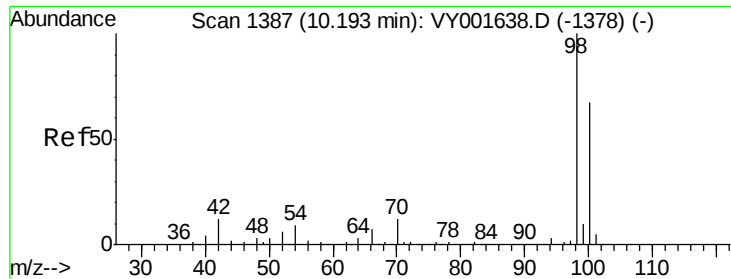


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 39.00 (38.70 to 39.70): VY0





#50

Toluene-d8

Concen: 52.581 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VY001718.D

Acq: 20 Feb 2020 12:59

Instrument :

MSVOA\_Y

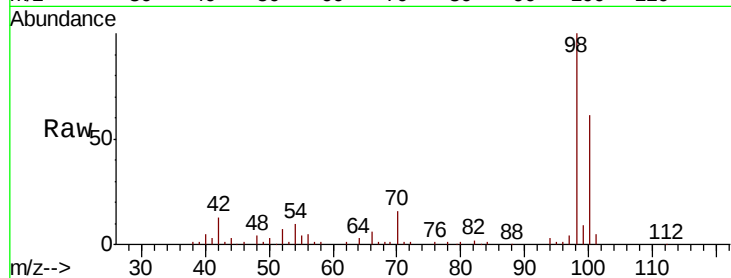
ClientSampled :

Tot Ion: 98 Resp: 37569

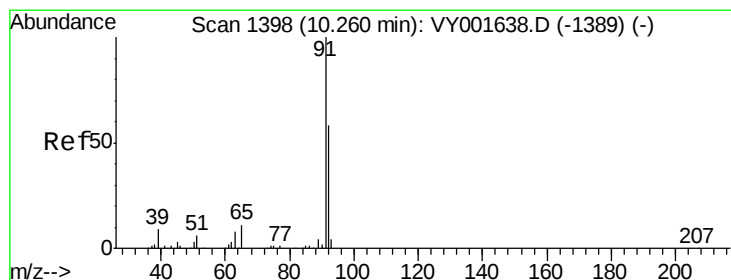
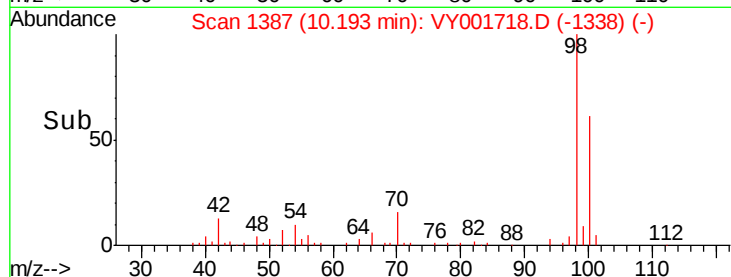
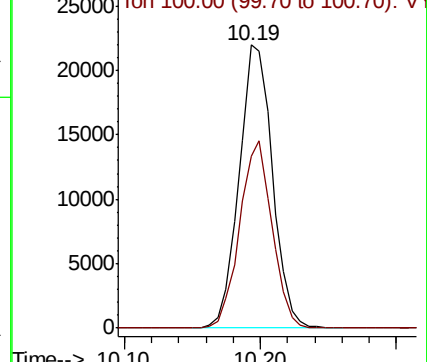
Ion Ratio Lower Upper

98 100

100 64.2 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY001638.D (-1378) (-)



#52

Toluene

Concen: 2.194 ug/l

RT: 10.27 min Scan# 1399

Delta R.T. 0.01 min

Lab File: VY001718.D

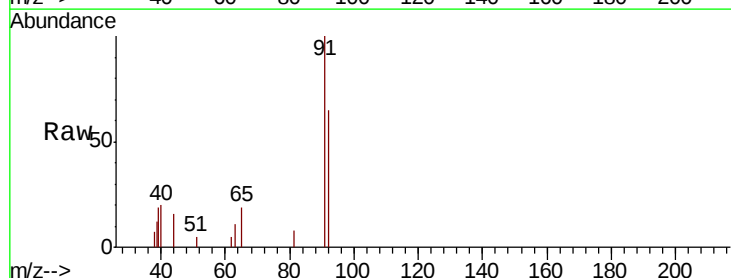
Acq: 20 Feb 2020 12:59

Tgt Ion: 92 Resp: 1224

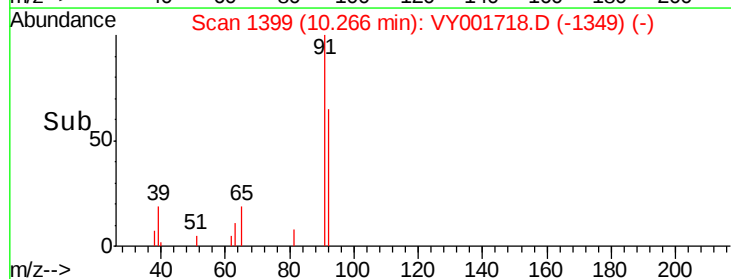
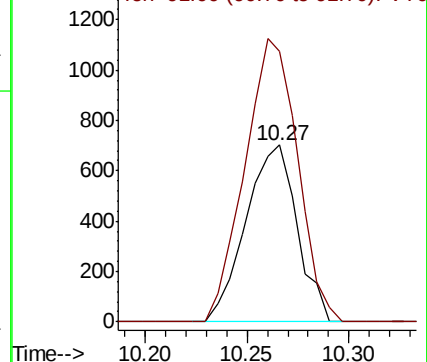
Ion Ratio Lower Upper

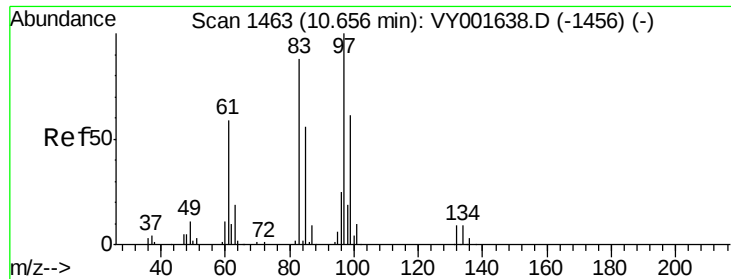
92 100

91 165.2 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VY001638.D (-1389) (-)

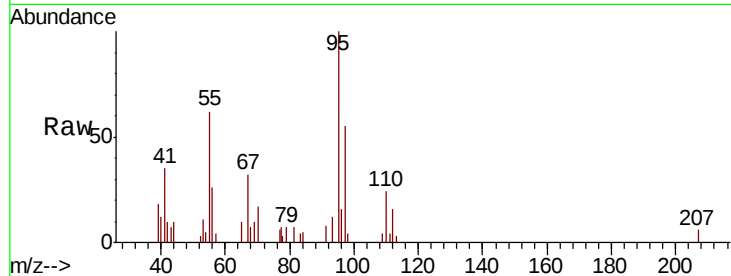




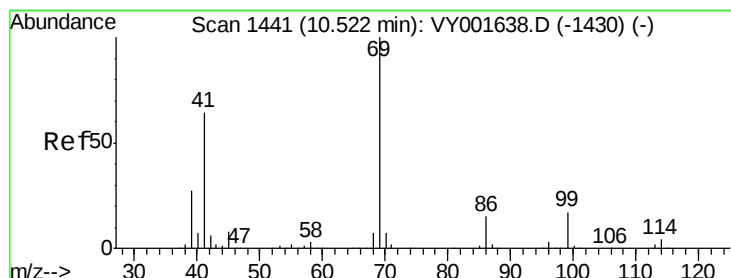
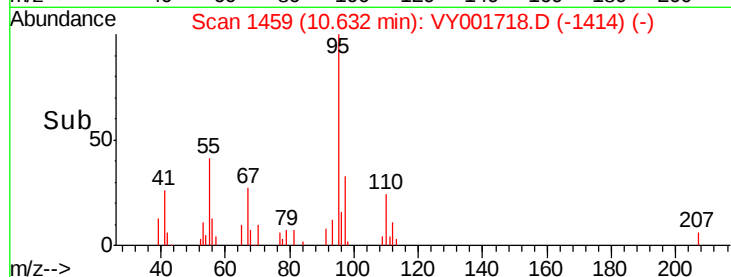
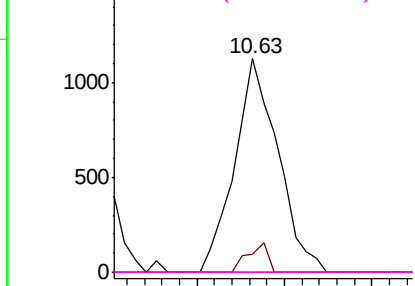
#55  
 1,1,2-Trichloroethane  
 Concen: 11.240 ug/l  
 RT: 10.63 min Scan# 1459  
 Delta R.T. -0.02 min  
 Lab File: VY001718.D  
 Acq: 20 Feb 2020 12:59

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Tot Ion: 97 Resp: 1942  
 Ion Ratio Lower Upper  
 97 100  
 83 8.2 69.7 104.5#  
 85 0.0 44.5 66.7#  
 99 0.0 49.6 74.4#

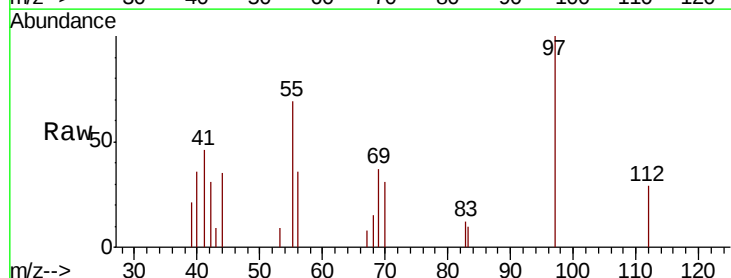


Abundance Ion 96.90 (96.60 to 97.60): VY0  
 Ion 82.90 (82.60 to 83.60): VY0  
 Ion 84.90 (84.60 to 85.60): VY0  
 Ion 98.90 (98.60 to 99.60): VY0

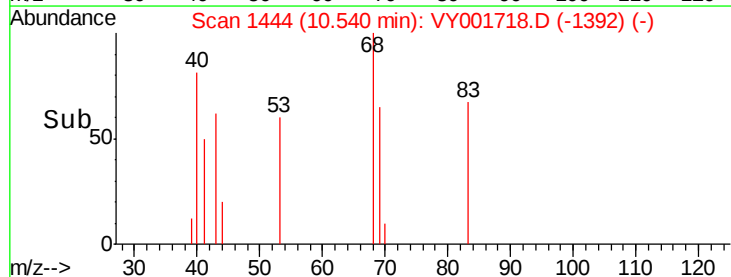
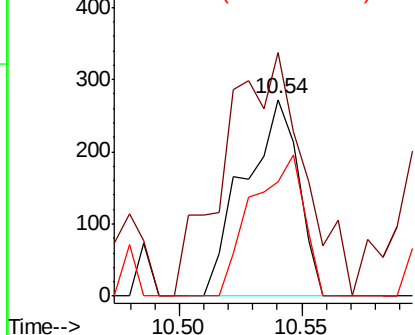


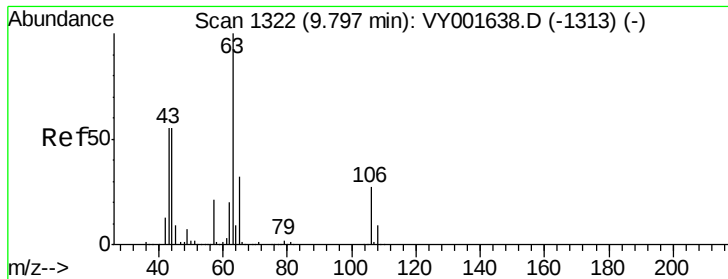
#56  
 Ethyl methacrylate  
 Concen: 1.613 ug/l  
 RT: 10.54 min Scan# 1444  
 Delta R.T. 0.02 min  
 Lab File: VY001718.D  
 Acq: 20 Feb 2020 12:59

Tgt Ion: 69 Resp: 418  
 Ion Ratio Lower Upper  
 69 100  
 41 182.5 51.0 76.4#  
 39 68.4 24.7 37.1#



Abundance Ion 69.00 (68.70 to 69.70): VY0  
 Ion 41.00 (40.70 to 41.70): VY0  
 Ion 39.00 (38.70 to 39.70): VY0

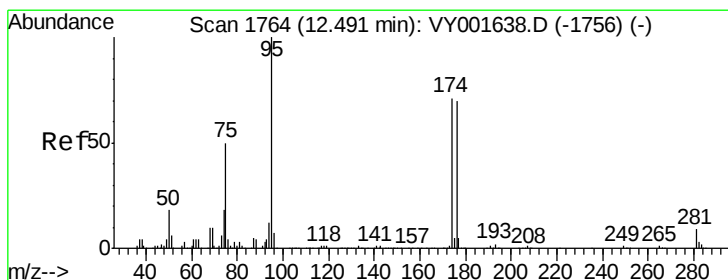
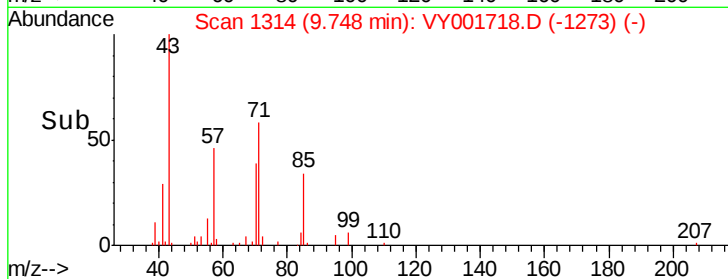
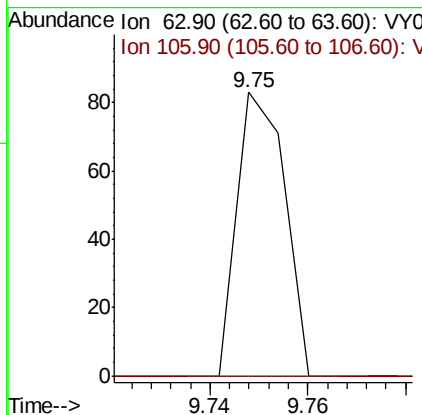
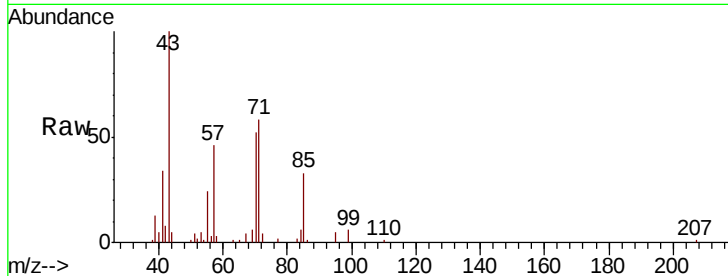




#58  
 2-Chloroethyl Vinyl ether  
 Concen: Below Cal  
 RT: 9.75 min Scan# 1314  
 Delta R.T. -0.05 min  
 Lab File: VY001718.D  
 Acq: 20 Feb 2020 12:59

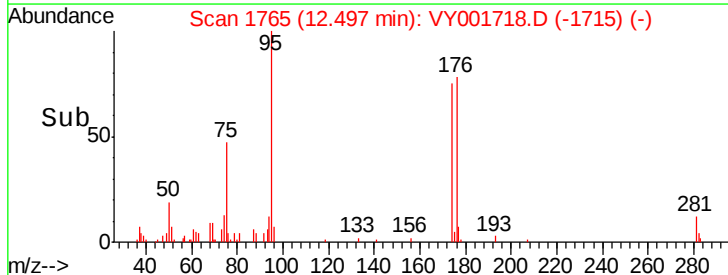
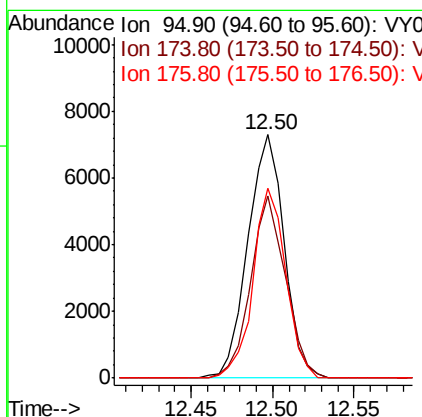
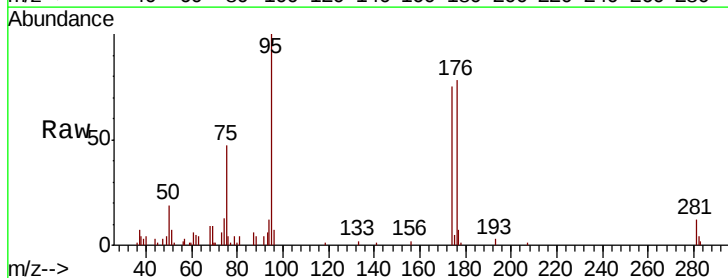
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

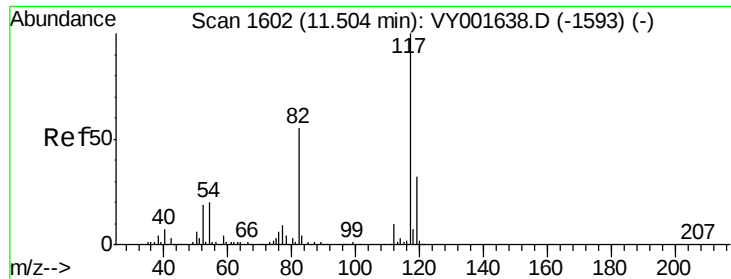
Tot Ion: 63 Resp: 56  
 Ion Ratio Lower Upper  
 63 100  
 106 0.0 21.6 32.4#



#62  
 4-Bromofluorobenzene  
 Concen: 40.710 ug/l  
 RT: 12.50 min Scan# 1765  
 Delta R.T. 0.01 min  
 Lab File: VY001718.D  
 Acq: 20 Feb 2020 12:59

Tgt Ion: 95 Resp: 11300  
 Ion Ratio Lower Upper  
 95 100  
 174 72.3 0.0 138.4  
 176 70.7 0.0 131.8

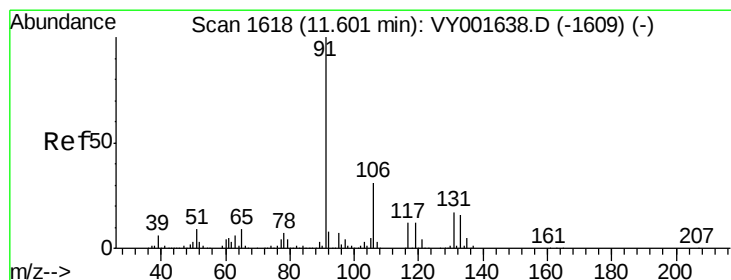
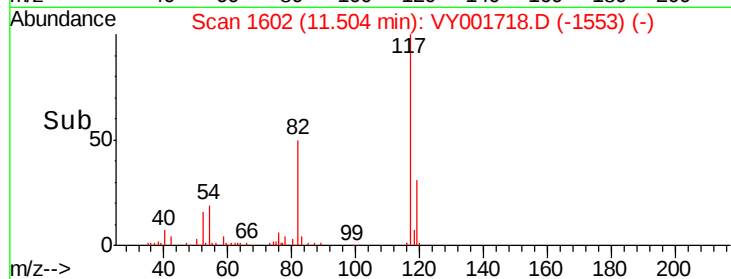
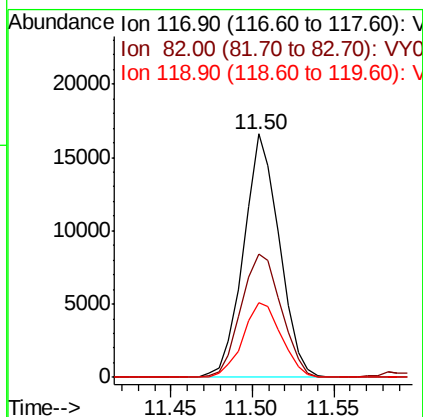
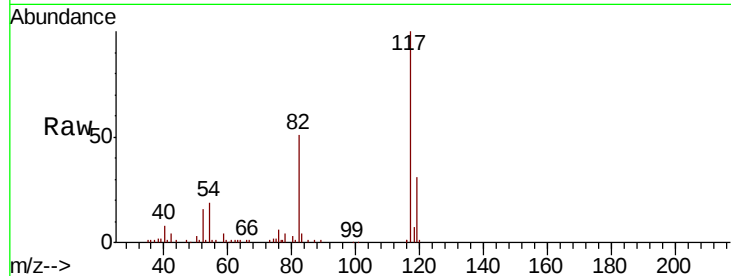




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.50 min Scan# 1602  
Delta R.T. 0.00 min  
Lab File: VY001718.D  
Acq: 20 Feb 2020 12:59

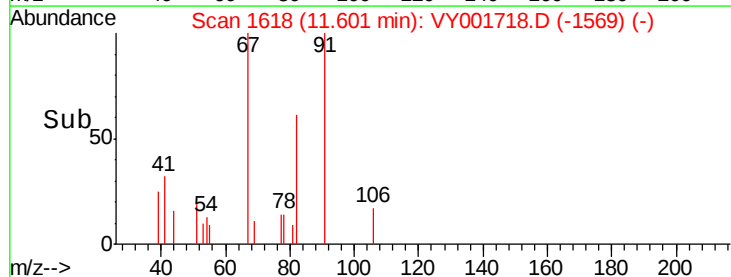
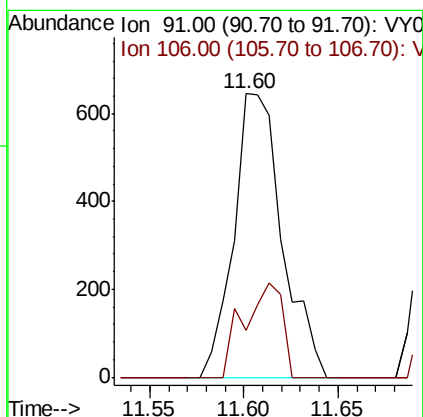
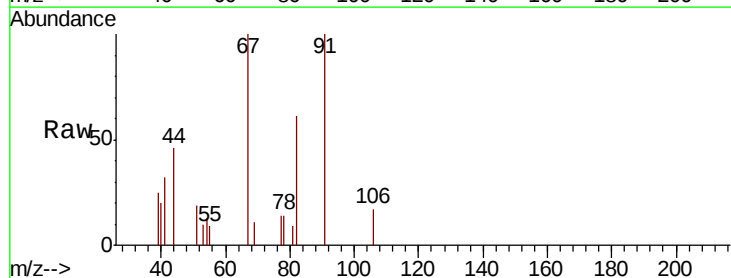
Instrument :  
MSVOA\_Y  
ClientSampleId :

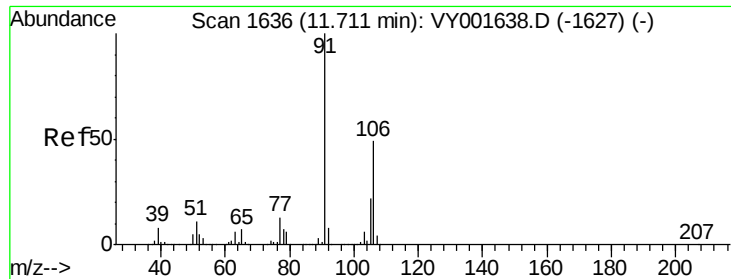
Tot Ion:117 Resp: 25347  
Ion Ratio Lower Upper  
117 100  
82 50.5 45.5 68.3  
119 30.9 25.8 38.6



#67  
Ethyl Benzene  
Concen: 1.225 ug/l  
RT: 11.60 min Scan# 1618  
Delta R.T. 0.00 min  
Lab File: VY001718.D  
Acq: 20 Feb 2020 12:59

Tgt Ion: 91 Resp: 1150  
Ion Ratio Lower Upper  
91 100  
106 16.6 24.5 36.7#

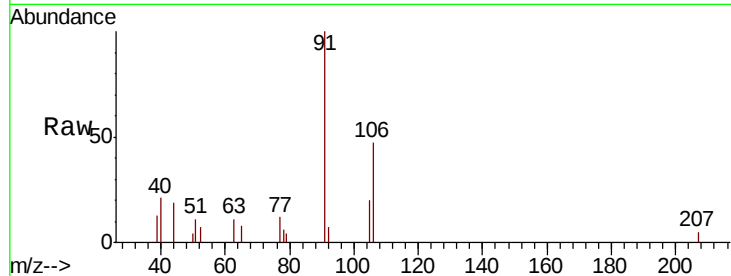




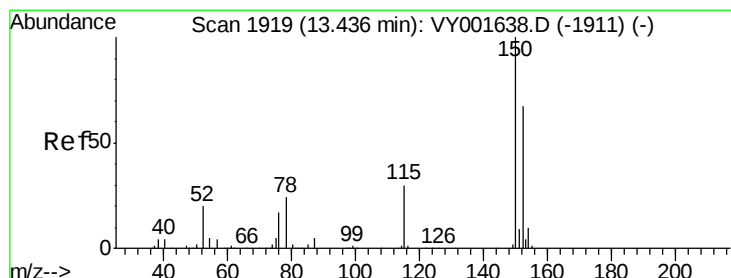
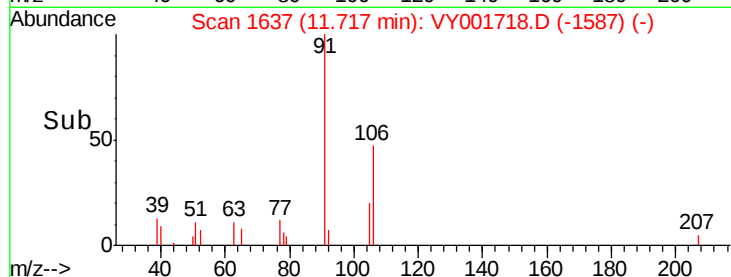
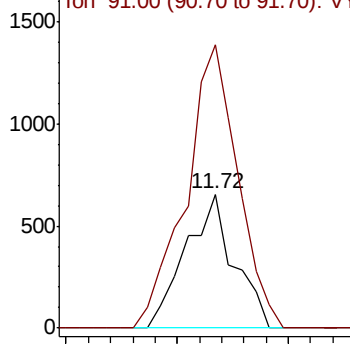
#68  
m/p-Xvlenes  
Concen: 2.802 ug/l  
RT: 11.72 min Scan# 1637  
Delta R.T. 0.01 min  
Lab File: VY001718.D  
Acq: 20 Feb 2020 12:59

Instrument :  
MSVOA\_Y  
ClientSampled :

Tot Ion:106 Resp: 983  
Ion Ratio Lower Upper  
106 100  
91 228.6 163.3 244.9

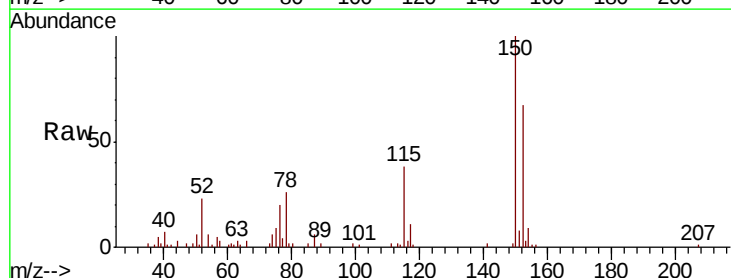


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VY0

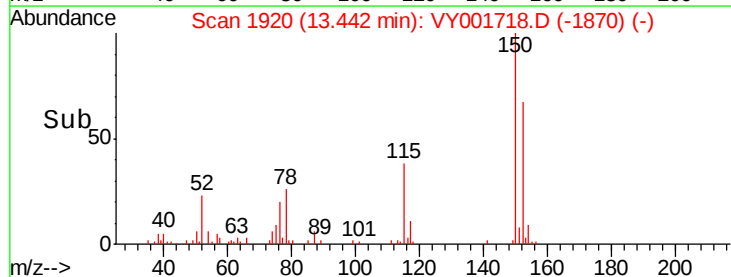
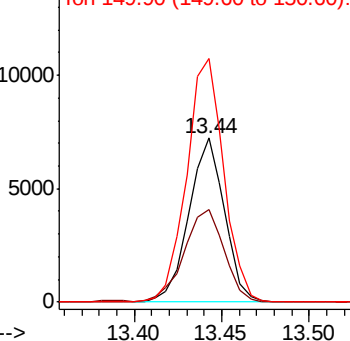


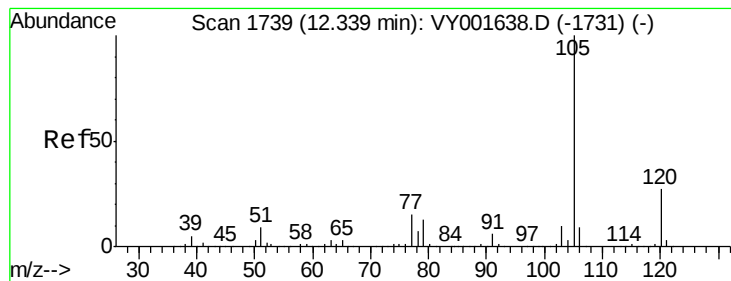
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.44 min Scan# 1920  
Delta R.T. 0.01 min  
Lab File: VY001718.D  
Acq: 20 Feb 2020 12:59

Tgt Ion:152 Resp: 10266  
Ion Ratio Lower Upper  
152 100  
115 63.7 31.4 94.2  
150 154.5 0.0 407.2



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: 1.304 ug/l

RT: 12.35 min Scan# 1741

Delta R.T. 0.01 min

Lab File: VY001718.D

Acq: 20 Feb 2020 12:59

Instrument :

MSVOA\_Y

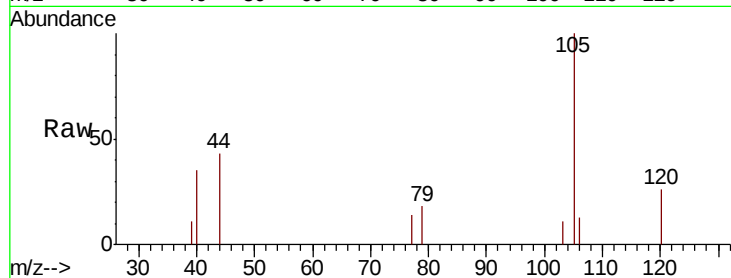
ClientSampleId :

Tot Ion:105 Resp: 1020

Ion Ratio Lower Upper

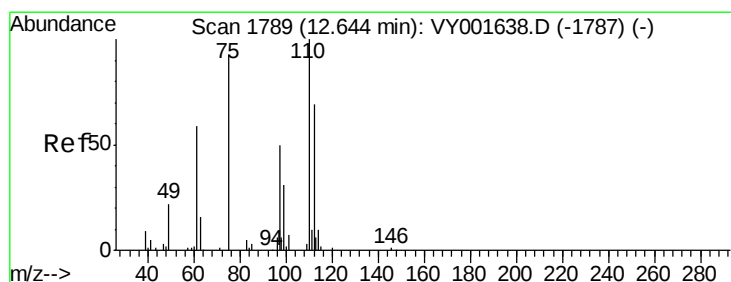
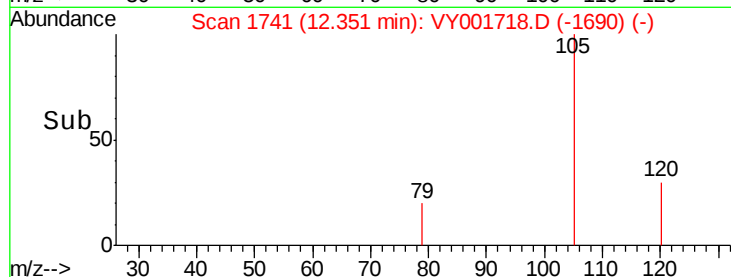
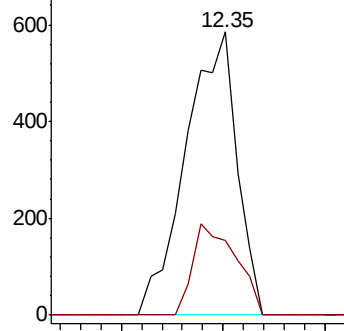
105 100

120 27.3 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

1,2,3-Trichloropropane

Concen: 48.962 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. -0.15 min

Lab File: VY001718.D

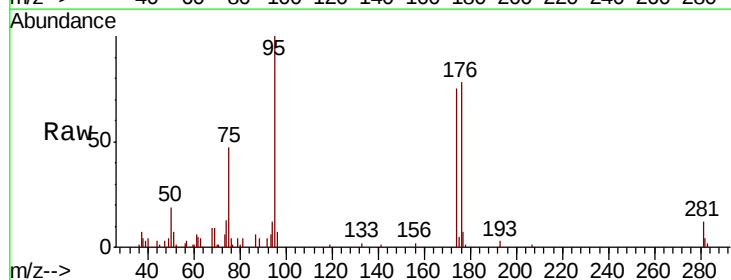
Acq: 20 Feb 2020 12:59

Tgt Ion: 75 Resp: 5766

Ion Ratio Lower Upper

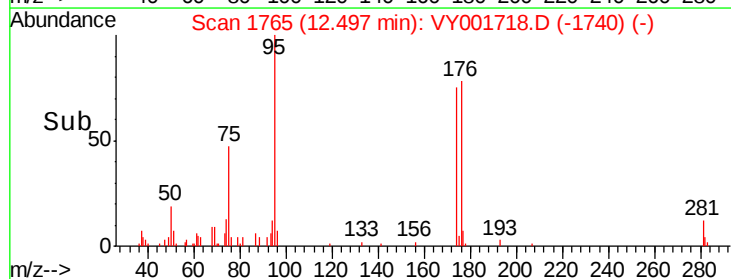
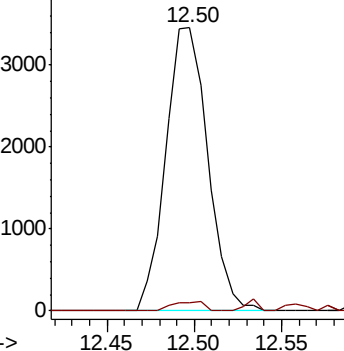
75 100

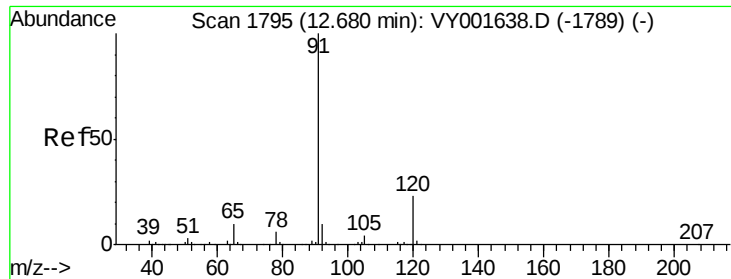
77 2.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#78

n-propylbenzene

Concen: 1.072 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VY001718.D

Acq: 20 Feb 2020 12:59

Instrument :

MSVOA\_Y

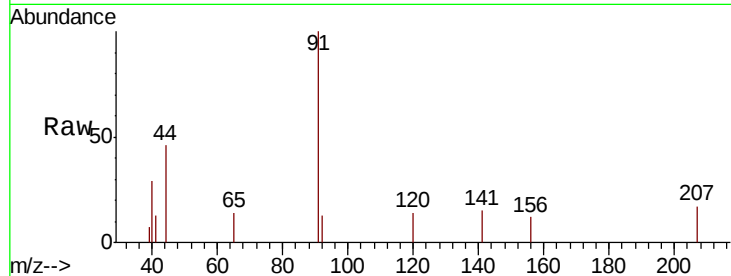
ClientSampleId :

Tot Ion: 91 Resp: 1021

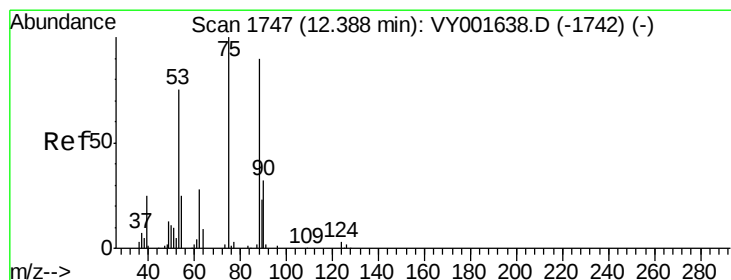
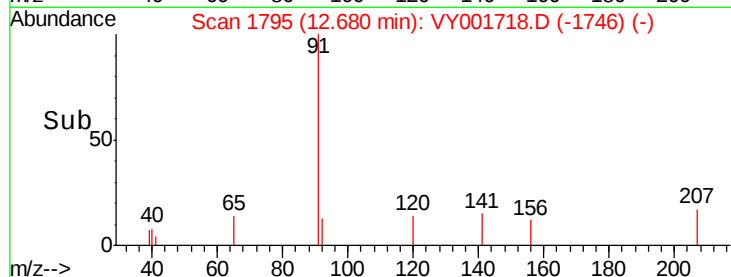
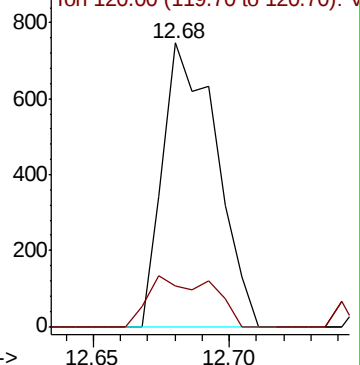
Ion Ratio Lower Upper

91 100

120 20.9 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VY001638.D (-1789) (-)



#81

trans-1,4-Dichloro-2-butene

Concen: 92.890 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.11 min

Lab File: VY001718.D

Acq: 20 Feb 2020 12:59

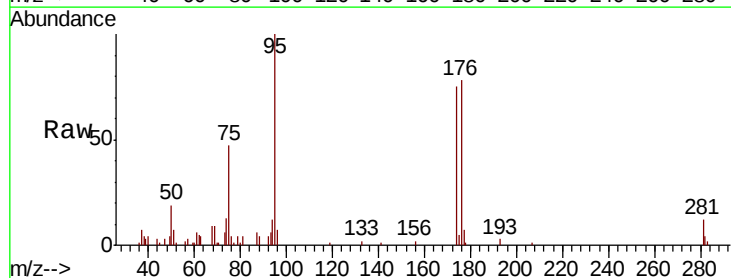
Tgt Ion: 75 Resp: 5766

Ion Ratio Lower Upper

75 100

53 0.0 64.5 96.7#

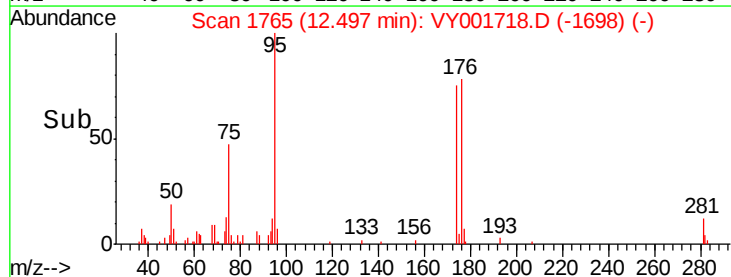
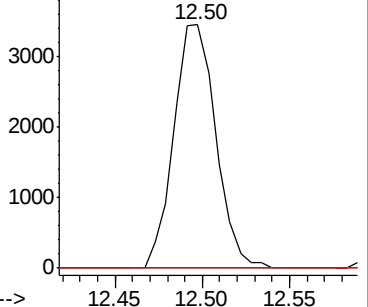
89 0.0 36.3 54.5#

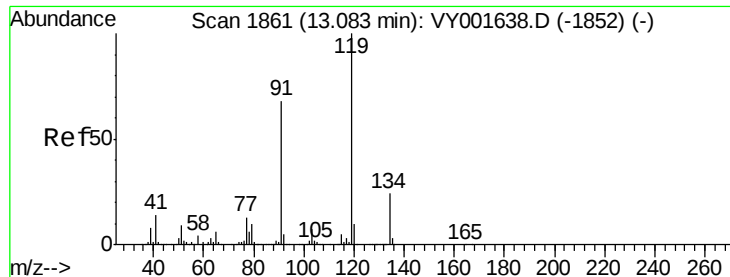


Abundance Ion 74.90 (74.60 to 75.60): VY001638.D (-1742) (-)

Ion 53.00 (52.70 to 53.70): VY001638.D (-1742) (-)

Ion 88.90 (88.60 to 89.60): VY001638.D (-1742) (-)





#83

tert-Butylbenzene

Concen: 2.416 ug/l

RT: 13.09 min Scan# 1862

Delta R.T. 0.01 min

Lab File: VY001718.D

Acq: 20 Feb 2020 12:59

Instrument :

MSVOA\_Y

ClientSampleId :

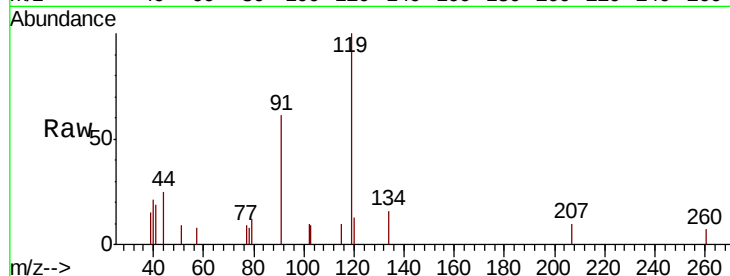
Tot Ion:119 Resp: 1308

Ion Ratio Lower Upper

119 100

91 68.7 33.5 100.5

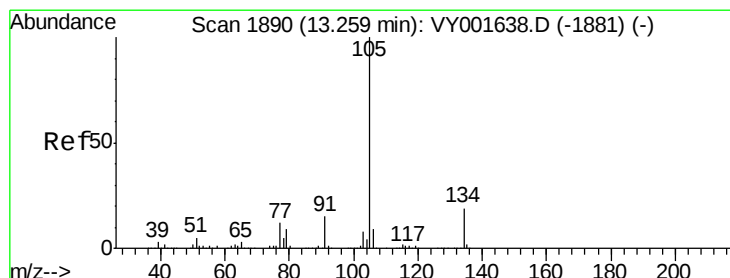
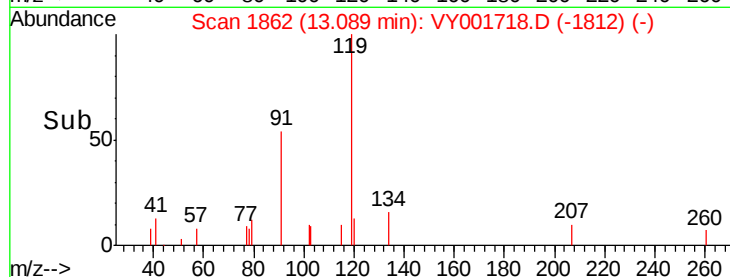
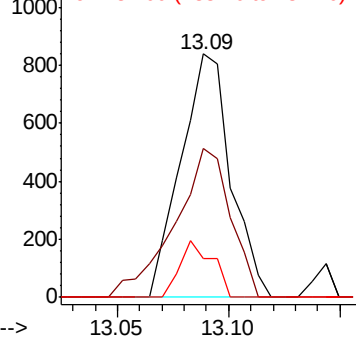
134 15.1 13.3 39.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VY0

Ion 134.00 (133.70 to 134.70): V



#85

sec-Butylbenzene

Concen: 2.262 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VY001718.D

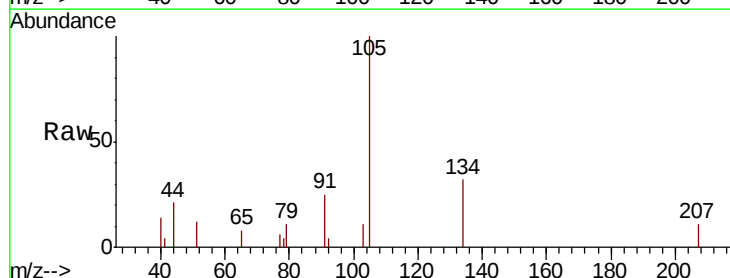
Acq: 20 Feb 2020 12:59

Tgt Ion:105 Resp: 1801

Ion Ratio Lower Upper

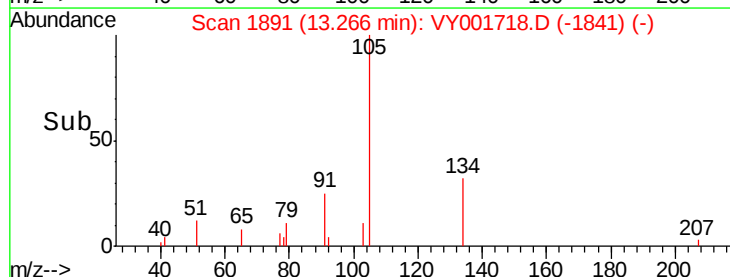
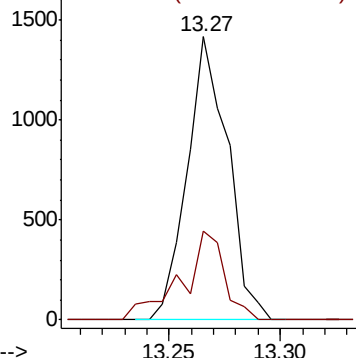
105 100

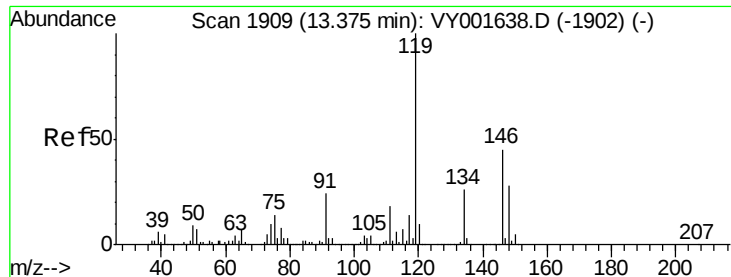
134 32.9 9.8 29.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

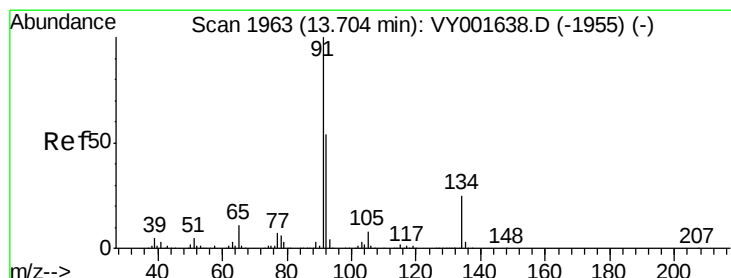
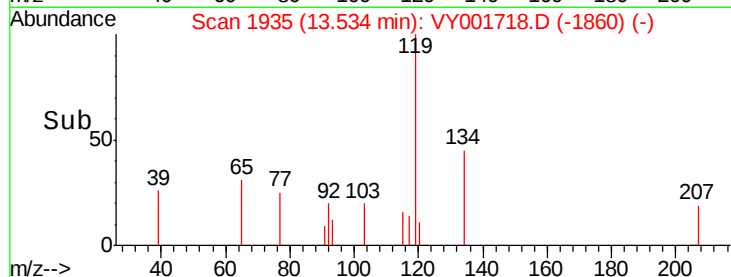
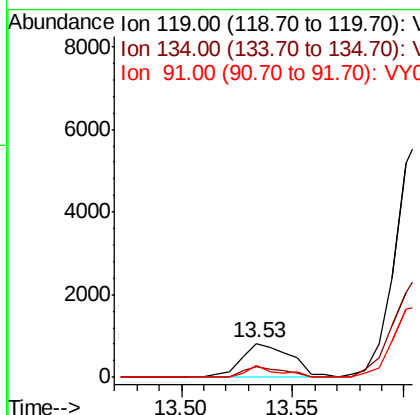
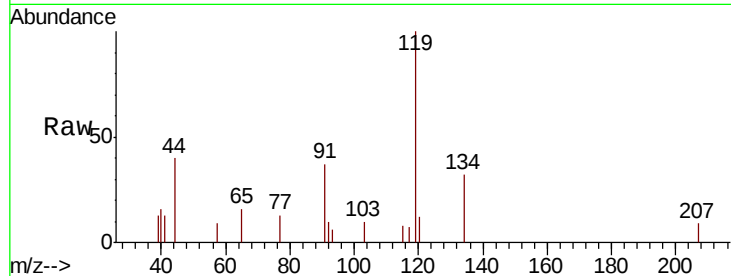




#86  
 p-Isopropyltoluene  
 Concen: 1.821 ug/l  
 RT: 13.53 min Scan# 1935  
 Delta R.T. 0.16 min  
 Lab File: VY001718.D  
 Acq: 20 Feb 2020 12:59

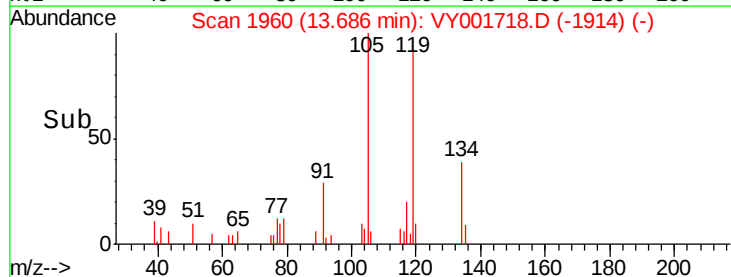
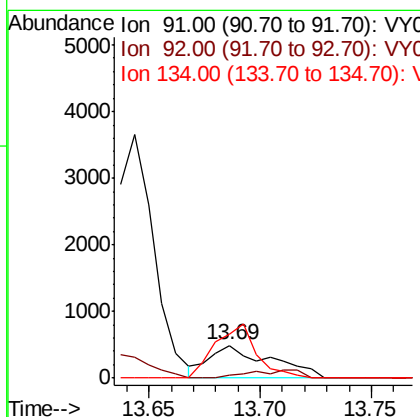
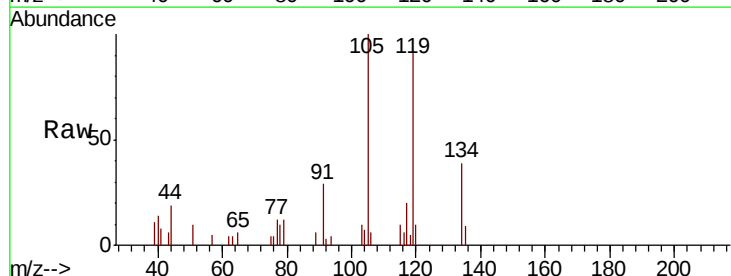
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

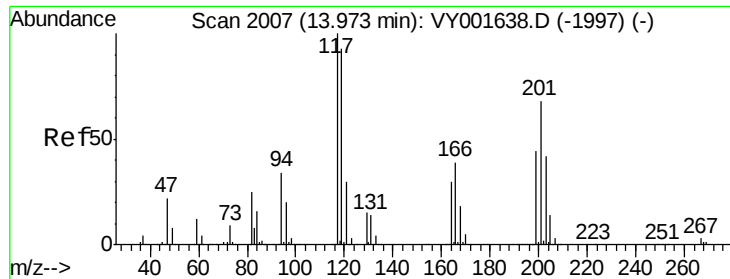
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 26.4  | 13.0  | 39.0  |
| 91      | 23.2  | 12.2  | 36.6  |



#89  
 n-Butylbenzene  
 Concen: 1.334 ug/l  
 RT: 13.69 min Scan# 1960  
 Delta R.T. -0.02 min  
 Lab File: VY001718.D  
 Acq: 20 Feb 2020 12:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 0.0   | 27.5  | 82.4# |
| 134     | 111.9 | 12.4  | 37.4# |





#90

Hexachloroethane

Concen: 13.978 ug/l

RT: 14.05 min Scan# 2019

Delta R.T. 0.07 min

Lab File: VY001718.D

Acq: 20 Feb 2020 12:59

Instrument :

MSVOA\_Y

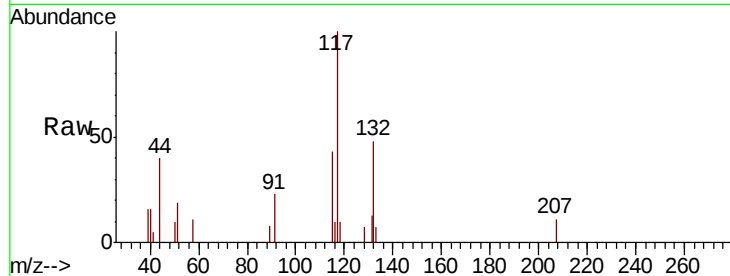
ClientSampleId :

Tot Ion:117 Resp: 1822

Ion Ratio Lower Upper

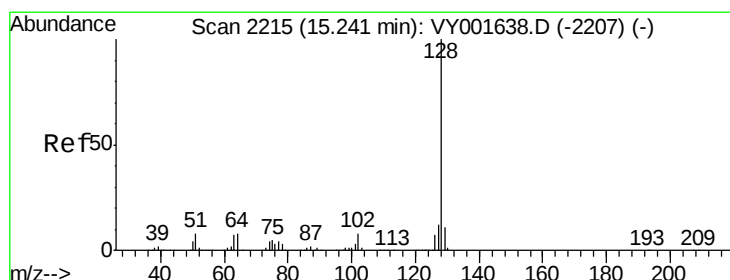
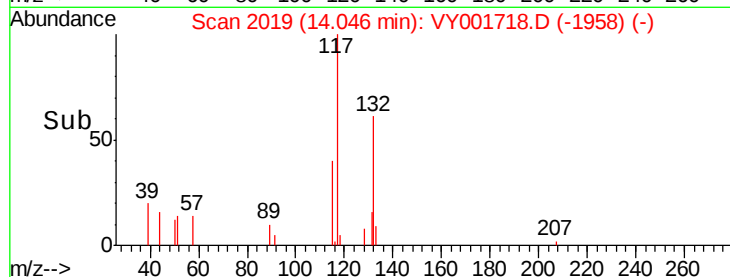
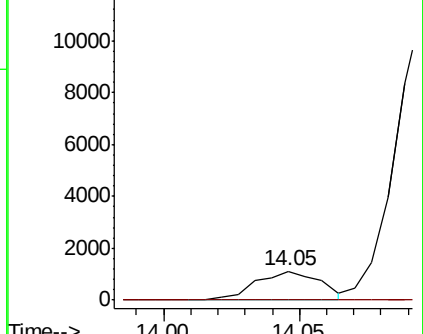
117 100

201 0.0 32.5 97.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#95

Naphthalene

Concen: 1.812 ug/l

RT: 15.26 min Scan# 2218

Delta R.T. 0.02 min

Lab File: VY001718.D

Acq: 20 Feb 2020 12:59

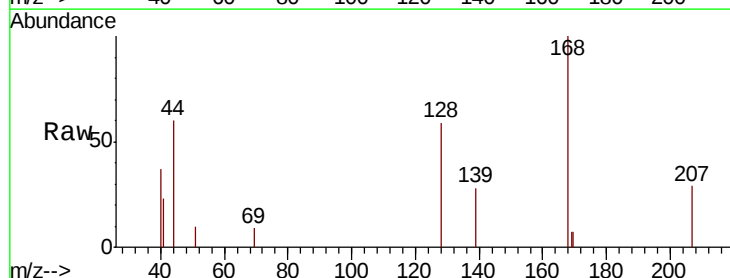
Tgt Ion:128 Resp: 840

Ion Ratio Lower Upper

128 100

127 11.3 9.9 14.9

129 7.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

