

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY121224\  
 Data File : VY020590.D  
 Acq On : 12 Dec 2024 10:09  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Dec 13 05:37:53 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y120224S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 03 01:39:23 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.713  | 168  | 191353   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.616  | 114  | 297529   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.420 | 117  | 250549   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.353 | 152  | 125539   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.067  | 65    | 99612    | 51.186   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 102.380% |      |
| 35) Dibromofluoromethane    | 7.640  | 113   | 98338    | 52.501   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 105.000% |      |
| 50) Toluene-d8              | 10.109 | 98    | 361428   | 50.674   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 101.340% |      |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 129944   | 52.092   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | = 104.180% |      |

|                              |       |     |        |         |        |     |
|------------------------------|-------|-----|--------|---------|--------|-----|
| Target Compounds             |       |     |        |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.867 | 85  | 84449  | 45.244  | ug/l   | 98  |
| 3) Chloromethane             | 2.074 | 50  | 93137  | 49.282  | ug/l   | 100 |
| 4) Vinyl Chloride            | 2.208 | 62  | 97083  | 50.384  | ug/l   | 96  |
| 5) Bromomethane              | 2.604 | 94  | 53772  | 47.562  | ug/l   | 100 |
| 6) Chloroethane              | 2.739 | 64  | 59239  | 50.160  | ug/l   | 96  |
| 7) Trichlorofluoromethane    | 3.068 | 101 | 163791 | 45.386  | ug/l   | 99  |
| 8) Diethyl Ether             | 3.464 | 74  | 51092  | 49.967  | ug/l   | 95  |
| 9) 1,1,2-Trichlorotrifluo... | 3.824 | 101 | 99739  | 47.432  | ug/l   | 98  |
| 10) Methyl Iodide            | 4.013 | 142 | 111330 | 47.162  | ug/l   | 98  |
| 11) Tert butyl alcohol       | 4.860 | 59  | 34401  | 272.502 | ug/l   | 100 |
| 12) 1,1-Dichloroethene       | 3.793 | 96  | 94277  | 47.462  | ug/l   | 93  |
| 13) Acrolein                 | 3.659 | 56  | 22464  | 190.058 | ug/l   | 98  |
| 14) Allyl chloride           | 4.391 | 41  | 171967 | 48.540  | ug/l   | 94  |
| 15) Acrylonitrile            | 5.061 | 53  | 115031 | 269.999 | ug/l   | 98  |
| 16) Acetone                  | 3.873 | 43  | 148565 | 307.021 | ug/l   | 96  |
| 17) Carbon Disulfide         | 4.116 | 76  | 266740 | 46.918  | ug/l   | 100 |
| 18) Methyl Acetate           | 4.391 | 43  | 58450  | 56.832  | ug/l   | 100 |
| 19) Methyl tert-butyl Ether  | 5.128 | 73  | 255458 | 50.358  | ug/l   | 97  |
| 20) Methylene Chloride       | 4.628 | 84  | 99649  | 48.410  | ug/l   | 98  |
| 21) trans-1,2-Dichloroethene | 5.122 | 96  | 101974 | 46.220  | ug/l   | 94  |
| 22) Diisopropyl ether        | 6.025 | 45  | 357091 | 50.688  | ug/l   | 99  |
| 23) Vinyl Acetate            | 5.964 | 43  | 994613 | 266.919 | ug/l   | 99  |
| 24) 1,1-Dichloroethane       | 5.921 | 63  | 203147 | 47.897  | ug/l   | 99  |
| 25) 2-Butanone               | 6.896 | 43  | 176887 | 289.490 | ug/l   | 97  |
| 26) 2,2-Dichloropropane      | 6.896 | 77  | 181179 | 45.164  | ug/l   | 100 |
| 27) cis-1,2-Dichloroethene   | 6.896 | 96  | 122930 | 47.717  | ug/l   | 98  |
| 28) Bromochloromethane       | 7.250 | 49  | 86454  | 54.585  | ug/l   | 97  |
| 29) Tetrahydrofuran          | 7.268 | 42  | 97896  | 280.838 | ug/l   | 99  |
| 30) Chloroform               | 7.427 | 83  | 204127 | 46.894  | ug/l   | 97  |
| 31) Cyclohexane              | 7.707 | 56  | 174251 | 45.445  | ug/l   | 99  |
| 32) 1,1,1-Trichloroethane    | 7.622 | 97  | 187551 | 44.746  | ug/l   | 98  |
| 36) 1,1-Dichloropropene      | 7.841 | 75  | 147185 | 46.532  | ug/l   | 99  |
| 37) Ethyl Acetate            | 6.988 | 43  | 68482  | 54.648  | ug/l   | 97  |
| 38) Carbon Tetrachloride     | 7.823 | 117 | 171210 | 45.352  | ug/l   | 96  |
| 39) Methylcyclohexane        | 9.109 | 83  | 185225 | 47.190  | ug/l   | 98  |
| 40) Benzene                  | 8.085 | 78  | 441204 | 47.309  | ug/l   | 99  |

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 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Dec 13 05:37:53 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y120224S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 03 01:39:23 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.232  | 41   | 42070    | 59.055   | ug/l   | 93       |
| 42) 1,2-Dichloroethane        | 8.158  | 62   | 118027   | 48.164   | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.201  | 43   | 135766   | 53.653   | ug/l   | 98       |
| 44) Trichloroethene           | 8.866  | 130  | 108534   | 47.208   | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.146  | 63   | 106166   | 48.647   | ug/l   | 100      |
| 46) Dibromomethane            | 9.237  | 93   | 55178    | 51.065   | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.426  | 83   | 153699   | 48.279   | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.225  | 41   | 63586    | 53.887   | ug/l   | 96       |
| 49) 1,4-Dioxane               | 9.231  | 88   | 11902    | 1152.352 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone      | 9.999  | 43   | 354412   | 283.606  | ug/l   | 99       |
| 52) Toluene                   | 10.176 | 92   | 275951   | 47.425   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.396 | 75   | 143052   | 50.051   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 9.859  | 75   | 168734   | 49.954   | ug/l   | 94       |
| 55) 1,1,2-Trichloroethane     | 10.573 | 97   | 74313    | 51.556   | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.445 | 69   | 109852   | 53.862   | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 10.719 | 76   | 131343   | 50.886   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.713  | 63   | 281073   | 294.345  | ug/l   | 98       |
| 59) 2-Hexanone                | 10.762 | 43   | 266997   | 296.163  | ug/l   | 98       |
| 60) Dibromochloromethane      | 10.914 | 129  | 100483   | 50.072   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.018 | 107  | 67908    | 51.518   | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.652 | 164  | 96856    | 45.750   | ug/l   | 93       |
| 65) Chlorobenzene             | 11.444 | 112  | 294458   | 46.887   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.518 | 131  | 104381   | 46.866   | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.524 | 91   | 541089   | 45.966   | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.633 | 106  | 400166   | 92.837   | ug/l   | 100      |
| 69) o-Xylene                  | 11.956 | 106  | 189830   | 47.009   | ug/l   | 99       |
| 70) Styrene                   | 11.975 | 104  | 320359   | 47.551   | ug/l   | 100      |
| 71) Bromoform                 | 12.133 | 173  | 57719    | 50.972   | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.261 | 105  | 520971   | 42.890   | ug/l   | 98       |
| 74) N-amyl acetate            | 12.072 | 43   | 122815   | 51.588   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.511 | 83   | 84764    | 48.526   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.560 | 75   | 112492   | 87.964   | ug/l # | 100      |
| 77) Bromobenzene              | 12.536 | 156  | 112133   | 44.578   | ug/l   | 97       |
| 78) n-propylbenzene           | 12.597 | 91   | 625349   | 43.484   | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.682 | 91   | 354377   | 43.670   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.743 | 105  | 423423   | 43.500   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.310 | 75   | 30193    | 48.443   | ug/l   | 95       |
| 82) 4-Chlorotoluene           | 12.779 | 91   | 359839   | 43.453   | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.005 | 119  | 391198   | 44.452   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.048 | 105  | 414710   | 43.834   | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.182 | 105  | 557431   | 44.198   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.298 | 119  | 466863   | 44.795   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.292 | 146  | 220837   | 45.523   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.371 | 146  | 217989   | 45.901   | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.621 | 91   | 446199   | 46.160   | ug/l   | 99       |
| 90) Hexachloroethane          | 13.883 | 117  | 91722    | 45.158   | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene       | 13.663 | 146  | 193506   | 47.037   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.279 | 75   | 13550    | 51.240   | ug/l   | 97       |
| 93) 1,2,4-Trichlorobenzene    | 14.925 | 180  | 119482   | 51.650   | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.029 | 225  | 79992    | 49.428   | ug/l   | 99       |
| 95) Naphthalene               | 15.151 | 128  | 207482   | 55.426   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.334 | 180  | 101201   | 54.217   | ug/l   | 99       |

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Sample : VSTDCCC050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

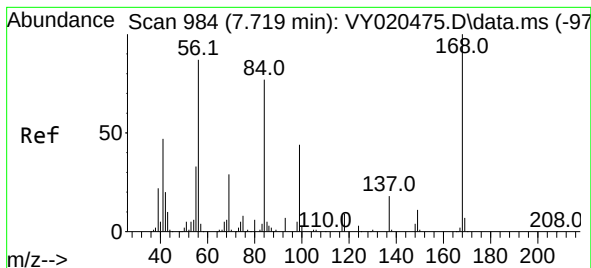
Quant Time: Dec 13 05:37:53 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y120224S.M  
Quant Title : SW846 8260  
QLast Update : Tue Dec 03 01:39:23 2024  
Response via : Initial Calibration

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

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

Quant Time: Dec 13 05:37:53 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y120224S.M  
Quant Title : SW846 8260  
QLast Update : Tue Dec 03 01:39:23 2024  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.713 min Scan# 9

Delta R.T. -0.006 min

Lab File: VY020590.D

Acq: 12 Dec 2024 10:09

Instrument :

MSVOA\_Y

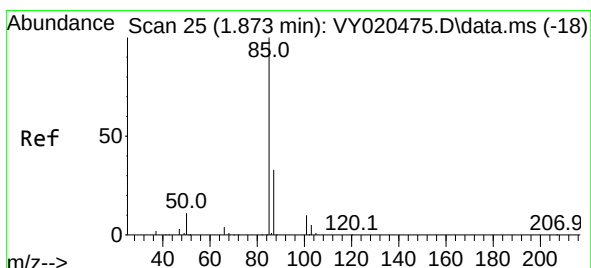
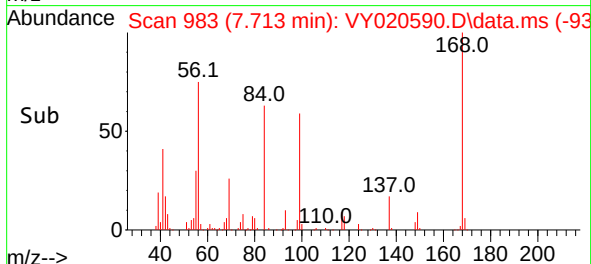
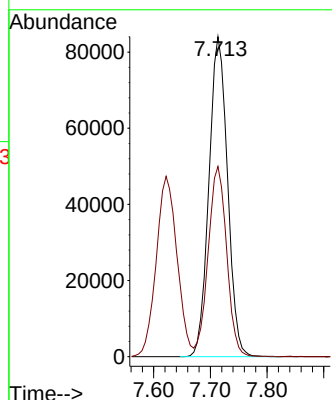
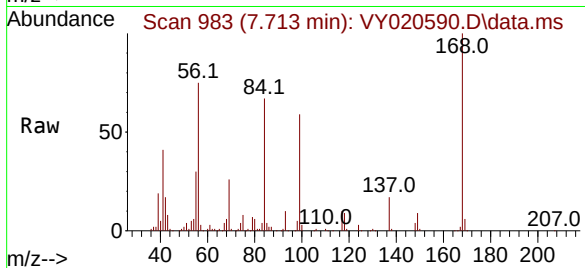
ClientSampleId :

Tgt Ion:168 Resp: 191353

Ion Ratio Lower Upper

168 100

99 59.4 46.6 69.8



#2

Dichlorodifluoromethane

Concen: 45.244 ug/l

RT: 1.867 min Scan# 24

Delta R.T. -0.006 min

Lab File: VY020590.D

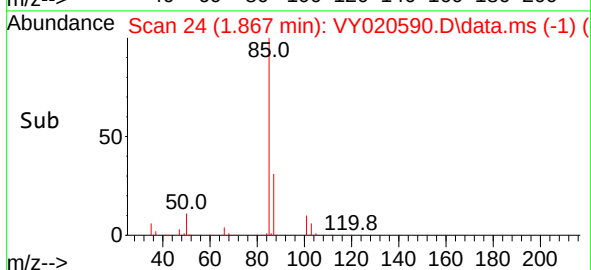
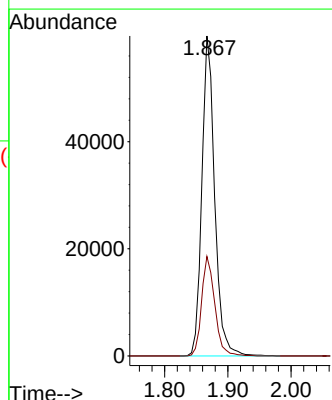
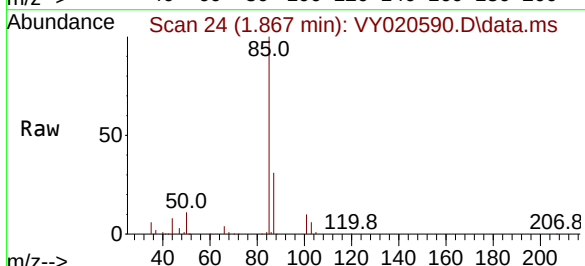
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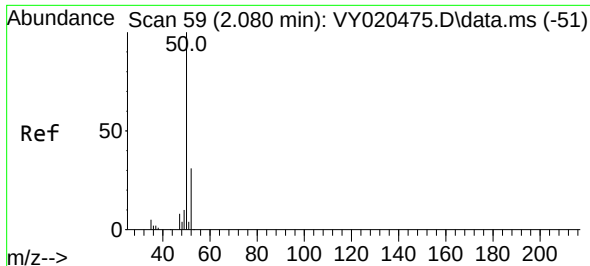
Tgt Ion: 85 Resp: 84449

Ion Ratio Lower Upper

85 100

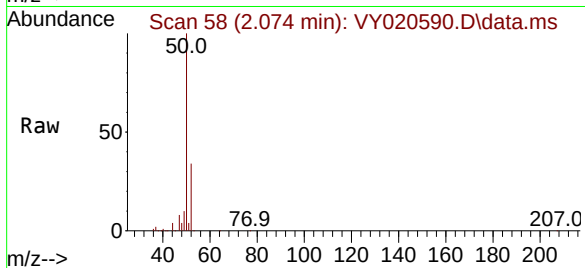
87 31.1 16.1 48.2



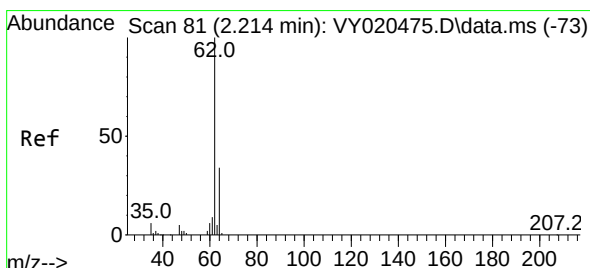
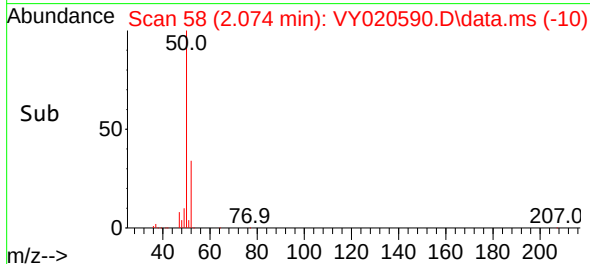
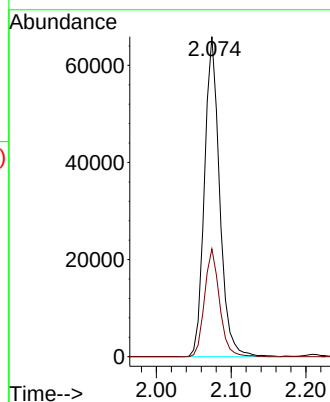


#3  
Chloromethane  
Concen: 49.282 ug/l  
RT: 2.074 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: VY020590.D  
Acq: 12 Dec 2024 10:09

Instrument :  
MSVOA\_Y  
ClientSampleId :

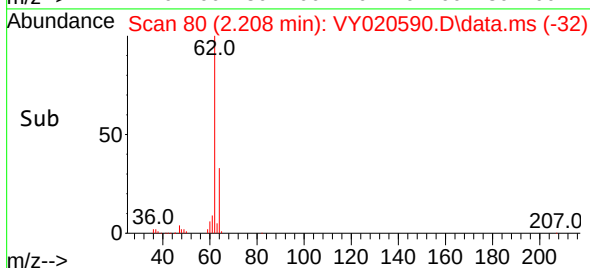
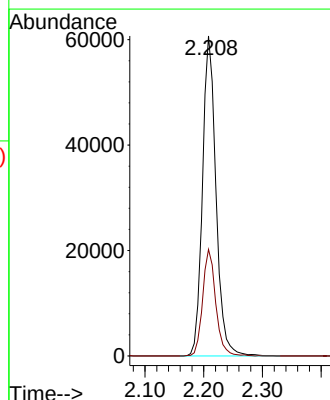
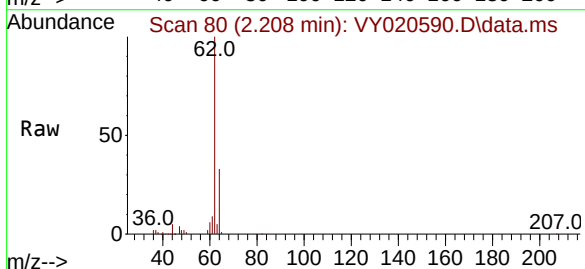


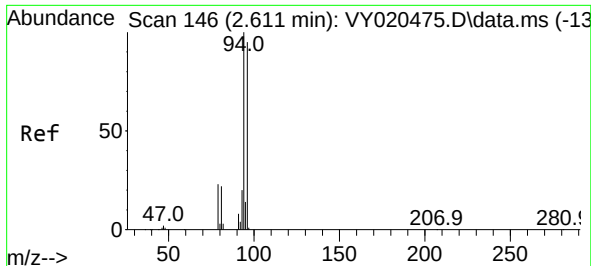
Tgt Ion: 50 Resp: 93137  
Ion Ratio Lower Upper  
50 100  
52 33.7 26.9 40.3



#4  
Vinyl Chloride  
Concen: 50.384 ug/l  
RT: 2.208 min Scan# 80  
Delta R.T. -0.006 min  
Lab File: VY020590.D  
Acq: 12 Dec 2024 10:09

Tgt Ion: 62 Resp: 97083  
Ion Ratio Lower Upper  
62 100  
64 33.3 24.7 37.1

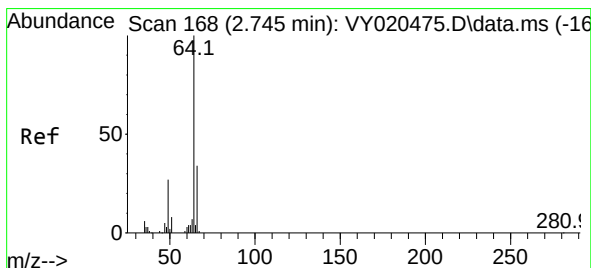
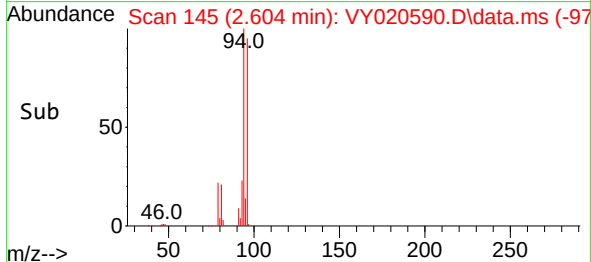
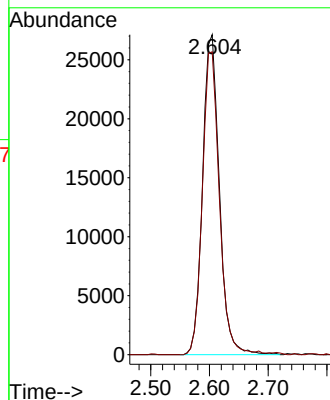
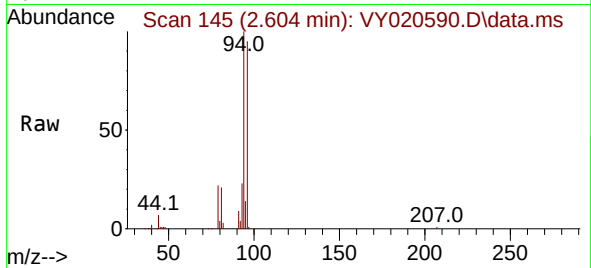




#5  
Bromomethane  
Concen: 47.562 ug/l  
RT: 2.604 min Scan# 146  
Delta R.T. -0.006 min  
Lab File: VY020590.D  
Acq: 12 Dec 2024 10:09

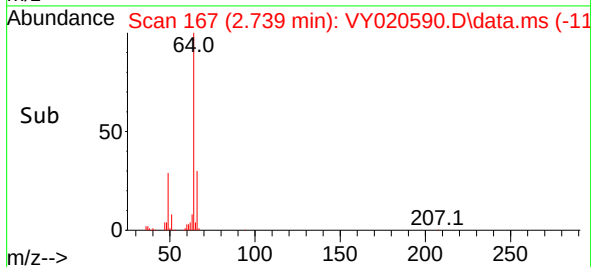
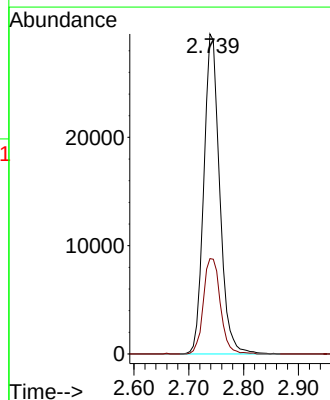
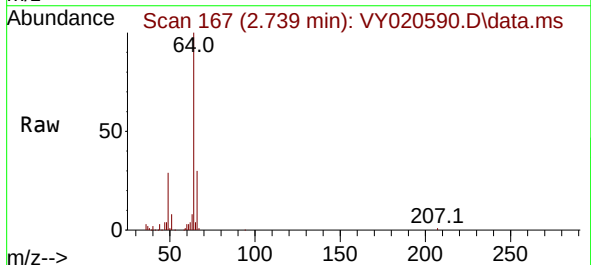
Instrument :  
MSVOA\_Y  
ClientSampleId :

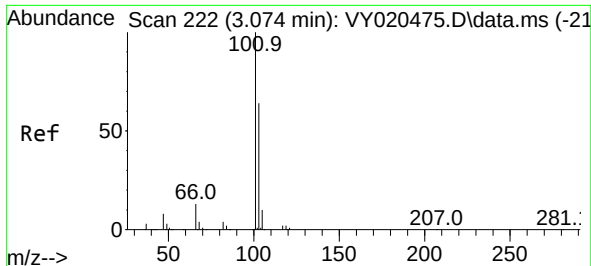
Tgt Ion: 94 Resp: 53772  
Ion Ratio Lower Upper  
94 100  
96 94.7 75.4 113.2



#6  
Chloroethane  
Concen: 50.160 ug/l  
RT: 2.739 min Scan# 167  
Delta R.T. -0.006 min  
Lab File: VY020590.D  
Acq: 12 Dec 2024 10:09

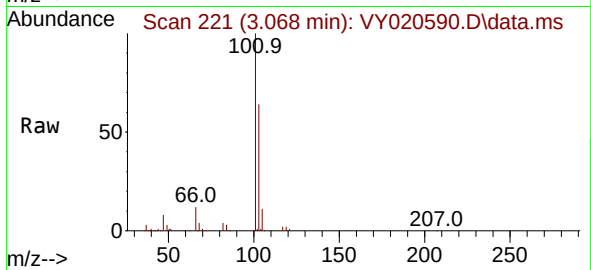
Tgt Ion: 64 Resp: 59239  
Ion Ratio Lower Upper  
64 100  
66 29.8 25.7 38.5



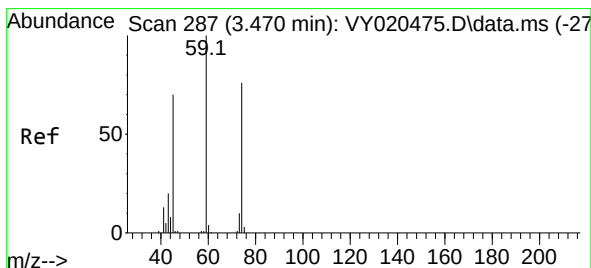
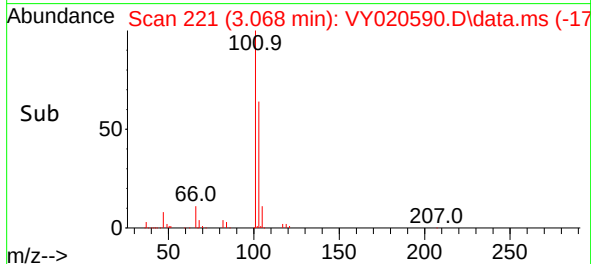
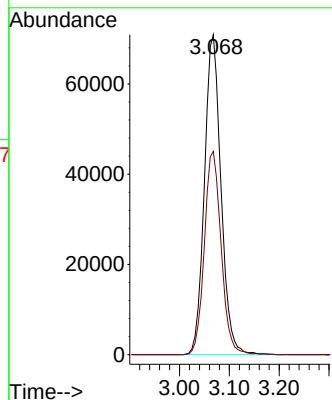


#7  
Trichlorofluoromethane  
Concen: 45.386 ug/l  
RT: 3.068 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VY020590.D  
Acq: 12 Dec 2024 10:09

Instrument :  
MSVOA\_Y  
ClientSampleId :

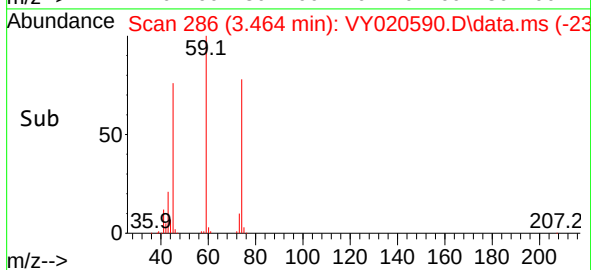
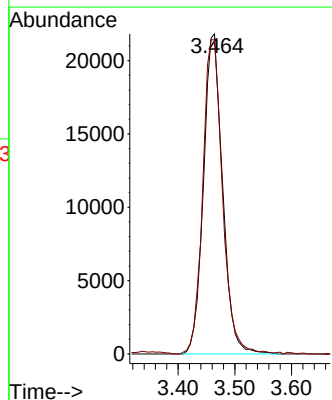
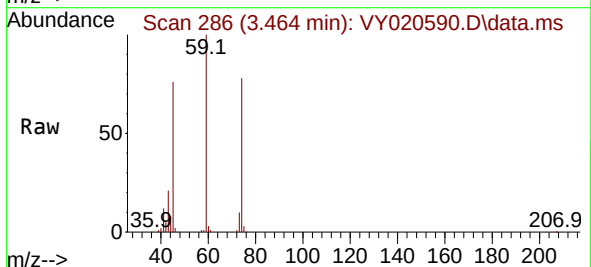


Tgt Ion:101 Resp: 163791  
Ion Ratio Lower Upper  
101 100  
103 63.6 51.5 77.3

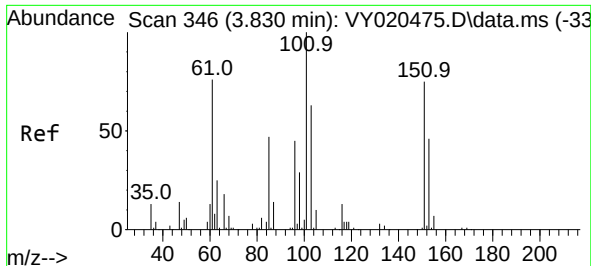


#8  
Diethyl Ether  
Concen: 49.967 ug/l  
RT: 3.464 min Scan# 286  
Delta R.T. -0.006 min  
Lab File: VY020590.D  
Acq: 12 Dec 2024 10:09

Tgt Ion: 74 Resp: 51092  
Ion Ratio Lower Upper  
74 100  
45 101.6 53.6 160.8



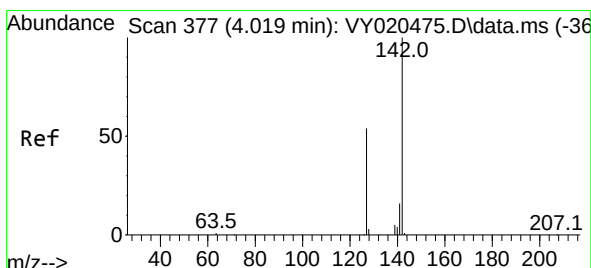
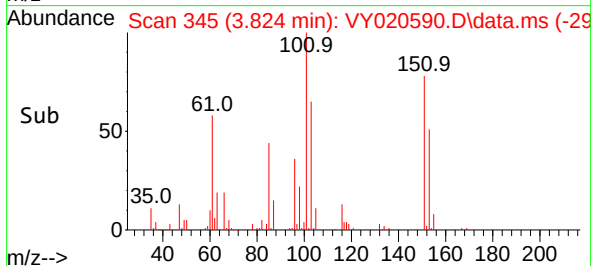
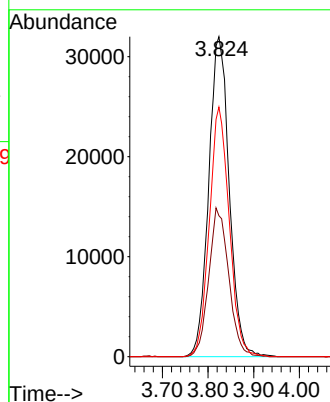
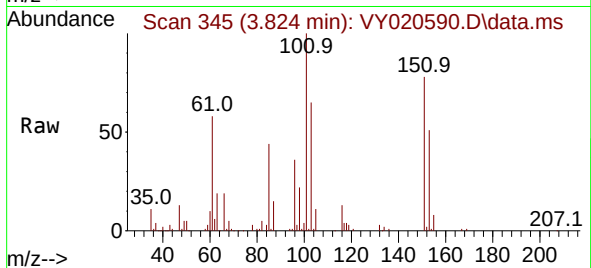




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 47.432 ug/l  
RT: 3.824 min Scan# 34  
Delta R.T. -0.006 min  
Lab File: VY020590.D  
Acq: 12 Dec 2024 10:09

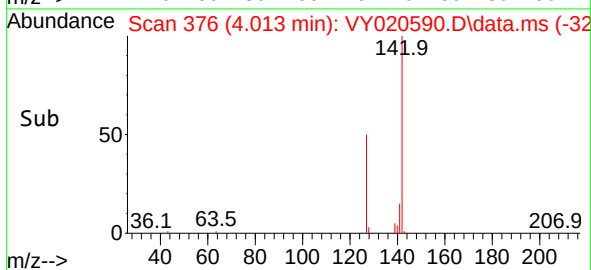
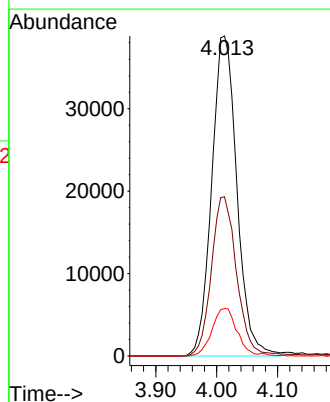
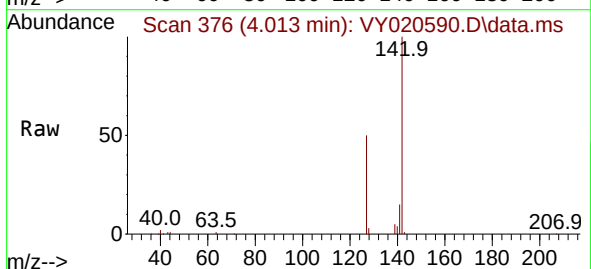
Instrument :  
MSVOA\_Y  
ClientSampleId :

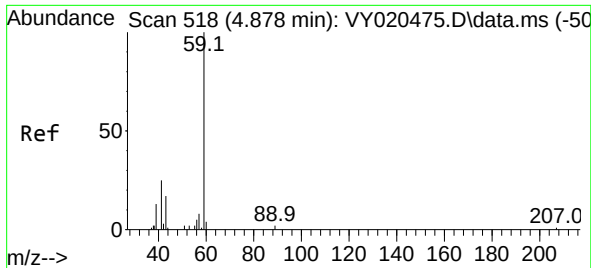
Tgt Ion:101 Resp: 99739  
Ion Ratio Lower Upper  
101 100  
85 45.4 38.0 57.0  
151 75.8 59.6 89.4



#10  
Methyl Iodide  
Concen: 47.162 ug/l  
RT: 4.013 min Scan# 376  
Delta R.T. -0.006 min  
Lab File: VY020590.D  
Acq: 12 Dec 2024 10:09

Tgt Ion:142 Resp: 111330  
Ion Ratio Lower Upper  
142 100  
127 50.2 38.9 58.3  
141 14.6 11.7 17.5

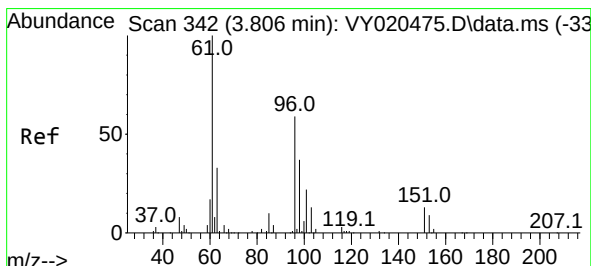
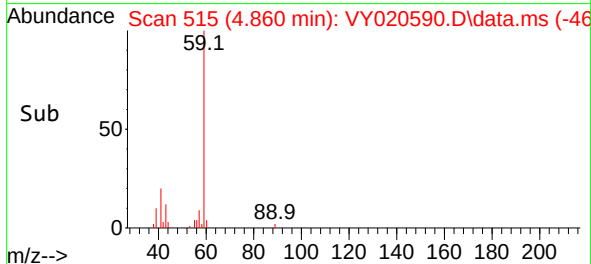
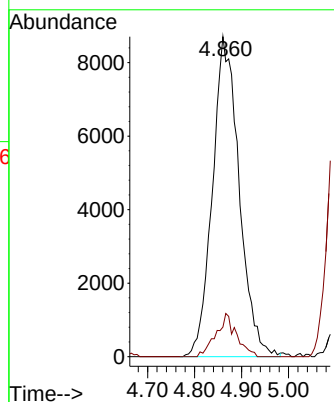
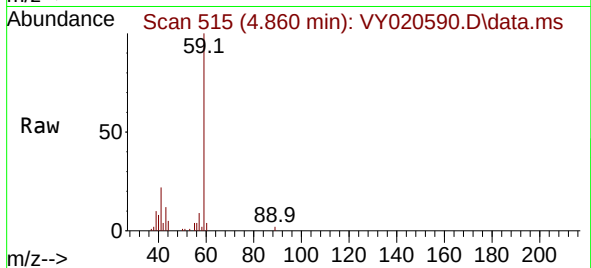




#11  
Tert butyl alcohol  
Concen: 272.502 ug/l  
RT: 4.860 min Scan# 51  
Delta R.T. -0.018 min  
Lab File: VY020590.D  
Acq: 12 Dec 2024 10:09

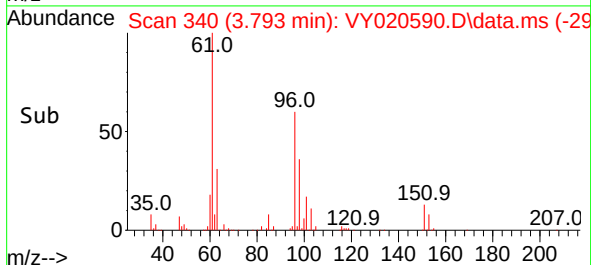
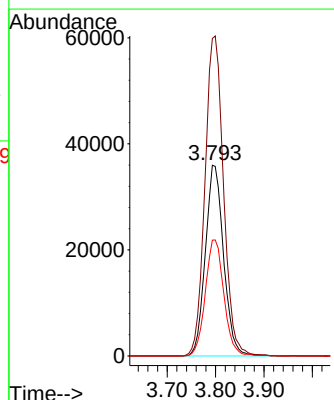
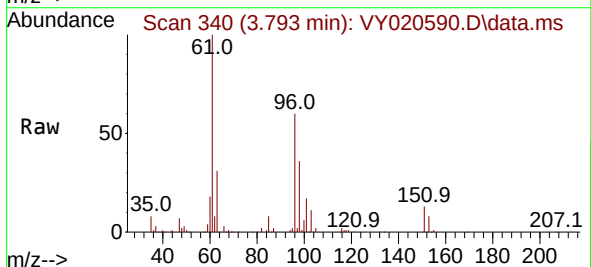
Instrument :  
MSVOA\_Y  
ClientSampleId :

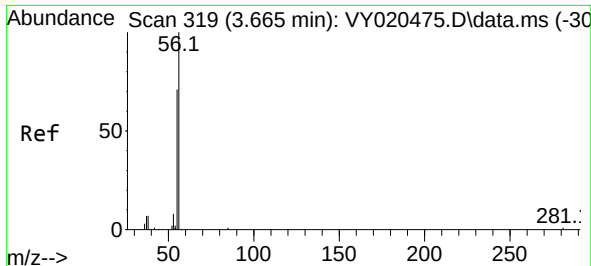
Tgt Ion: 59 Resp: 34401  
Ion Ratio Lower Upper  
59 100  
57 10.2 8.2 12.2



#12  
1,1-Dichloroethene  
Concen: 47.462 ug/l  
RT: 3.793 min Scan# 340  
Delta R.T. -0.012 min  
Lab File: VY020590.D  
Acq: 12 Dec 2024 10:09

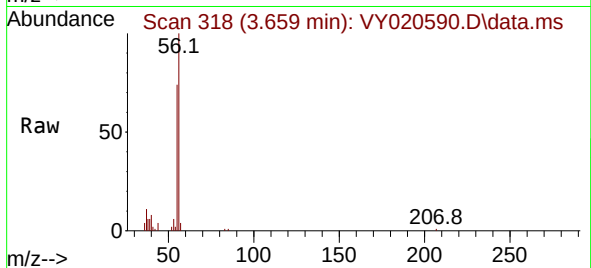
Tgt Ion: 96 Resp: 94277  
Ion Ratio Lower Upper  
96 100  
61 166.4 143.3 214.9  
98 60.7 49.8 74.8



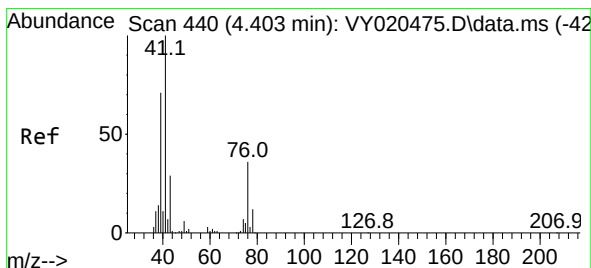
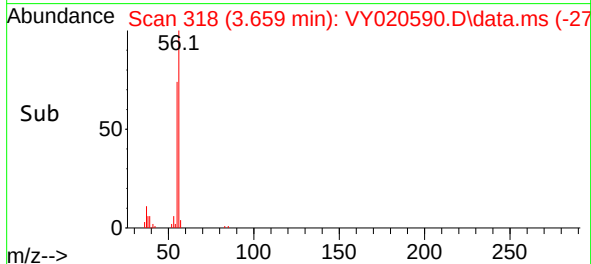
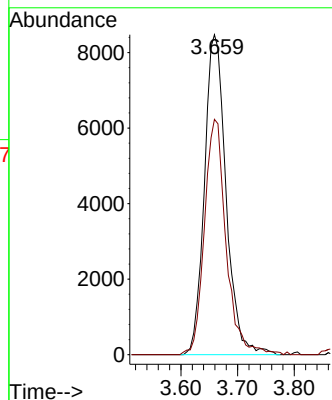


#13  
Acrolein  
Concen: 190.058 ug/l  
RT: 3.659 min Scan# 319  
Delta R.T. -0.006 min  
Lab File: VY020590.D  
Acq: 12 Dec 2024 10:09

Instrument :  
MSVOA\_Y  
ClientSampleId :

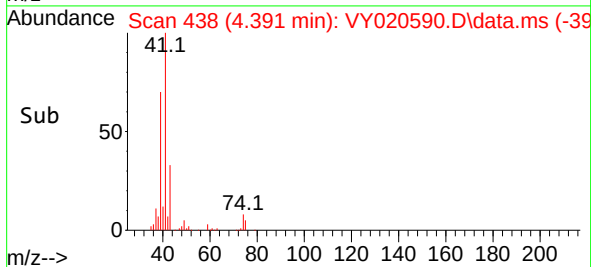
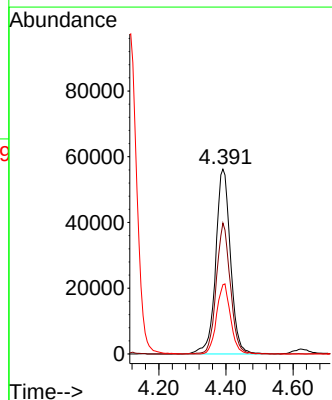
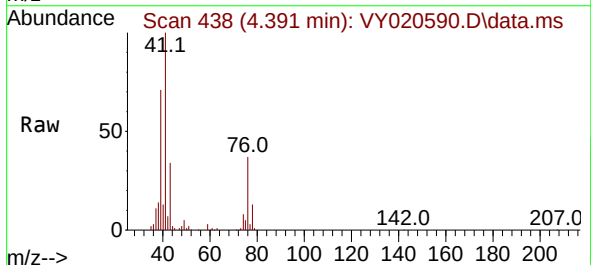


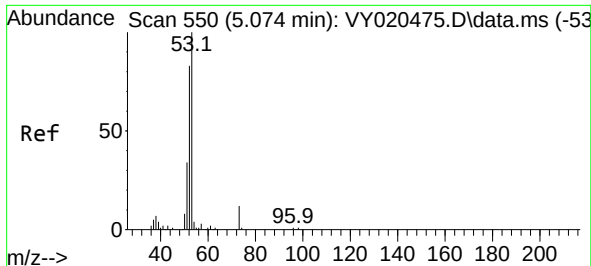
Tgt Ion: 56 Resp: 22464  
Ion Ratio Lower Upper  
56 100  
55 73.6 57.7 86.5



#14  
Allyl chloride  
Concen: 48.540 ug/l  
RT: 4.391 min Scan# 438  
Delta R.T. -0.012 min  
Lab File: VY020590.D  
Acq: 12 Dec 2024 10:09

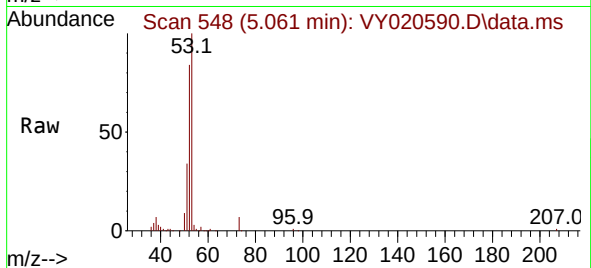
Tgt Ion: 41 Resp: 171967  
Ion Ratio Lower Upper  
41 100  
39 67.0 58.8 88.2  
76 35.6 29.7 44.5



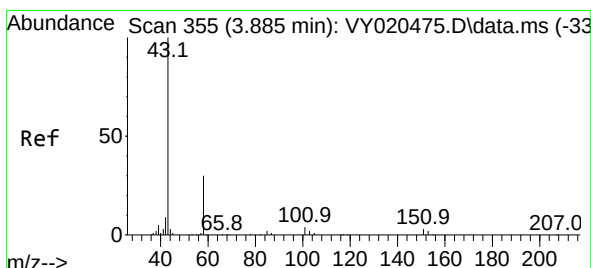
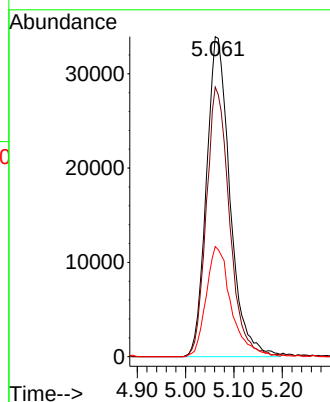
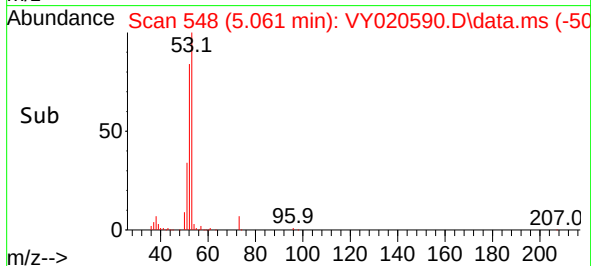


#15  
Acrylonitrile  
Concen: 269.999 ug/l  
RT: 5.061 min Scan# 54  
Delta R.T. -0.012 min  
Lab File: VY020590.D  
Acq: 12 Dec 2024 10:09

Instrument :  
MSVOA\_Y  
ClientSampleId :

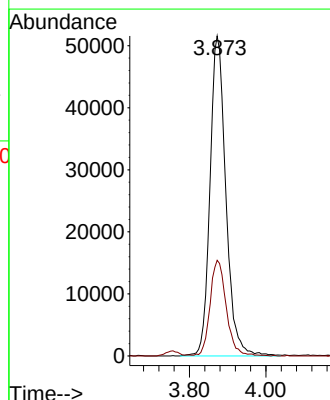
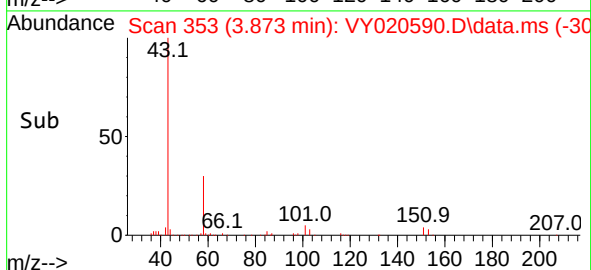
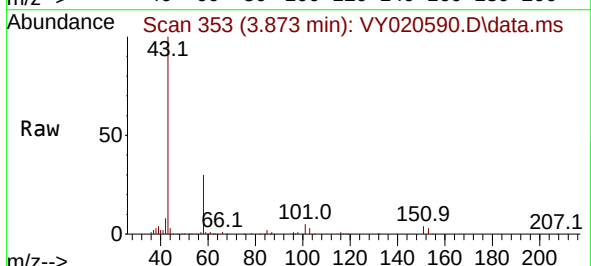


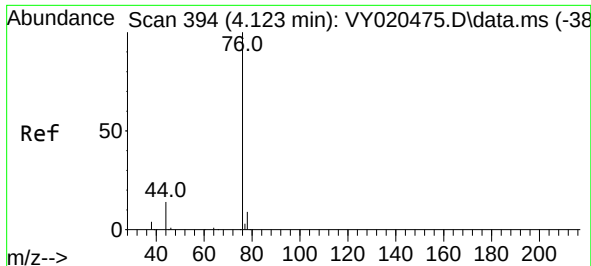
Tgt Ion: 53 Resp: 115031  
Ion Ratio Lower Upper  
53 100  
52 82.7 65.2 97.8  
51 36.5 30.2 45.4



#16  
Acetone  
Concen: 307.021 ug/l  
RT: 3.873 min Scan# 353  
Delta R.T. -0.012 min  
Lab File: VY020590.D  
Acq: 12 Dec 2024 10:09

Tgt Ion: 43 Resp: 148565  
Ion Ratio Lower Upper  
43 100  
58 29.9 25.7 38.5

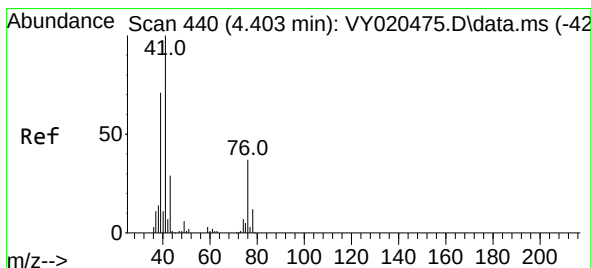
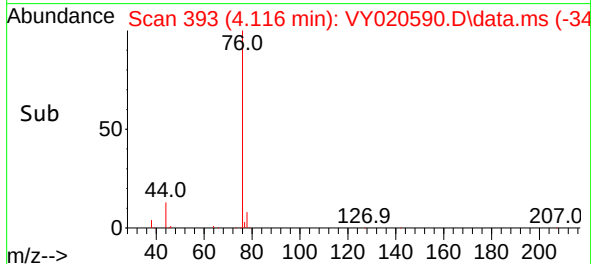
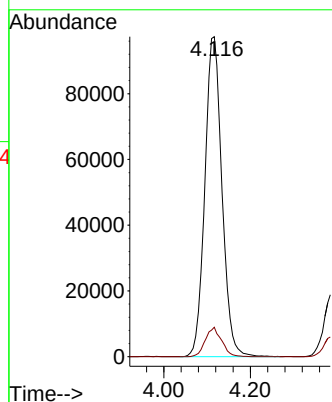
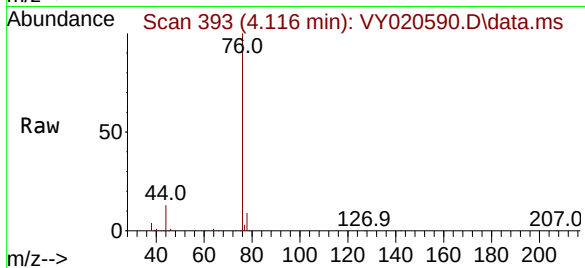




#17  
Carbon Disulfide  
Concen: 46.918 ug/l  
RT: 4.116 min Scan# 394  
Delta R.T. -0.006 min  
Lab File: VY020590.D  
Acq: 12 Dec 2024 10:09

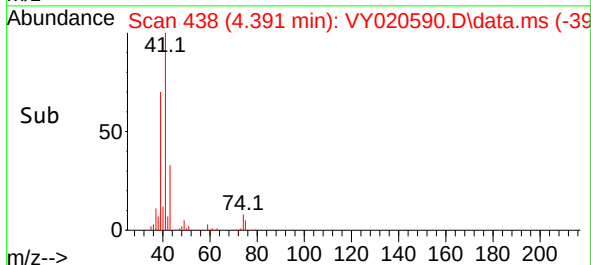
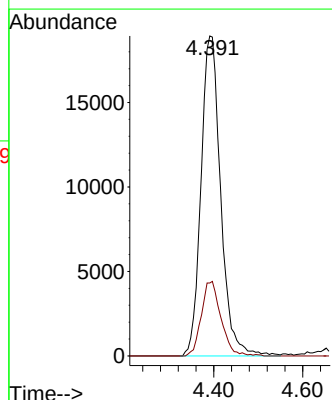
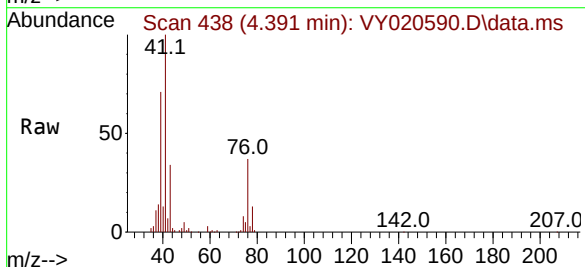
Instrument :  
MSVOA\_Y  
ClientSampleId :

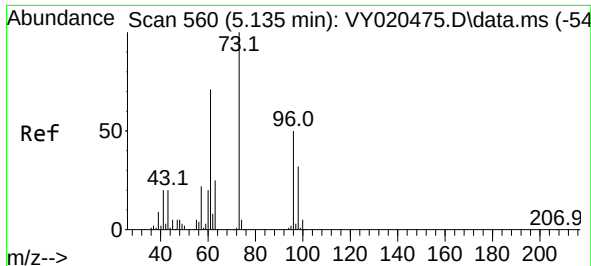
Tgt Ion: 76 Resp: 266740  
Ion Ratio Lower Upper  
76 100  
78 9.2 7.3 10.9



#18  
Methyl Acetate  
Concen: 56.832 ug/l  
RT: 4.391 min Scan# 438  
Delta R.T. -0.012 min  
Lab File: VY020590.D  
Acq: 12 Dec 2024 10:09

Tgt Ion: 43 Resp: 58450  
Ion Ratio Lower Upper  
43 100  
74 23.2 18.6 27.8

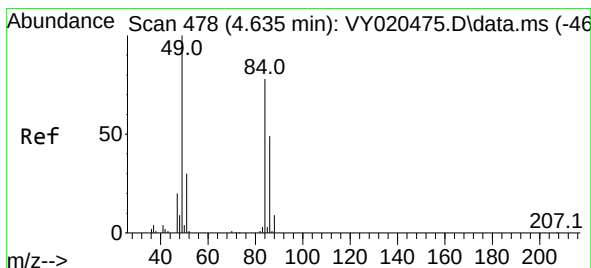
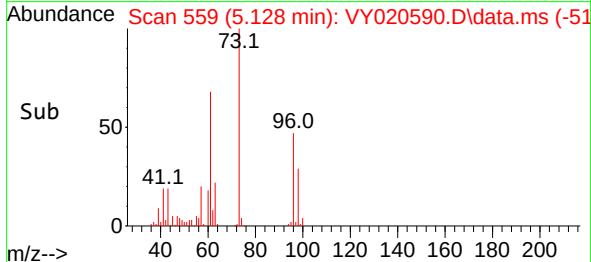
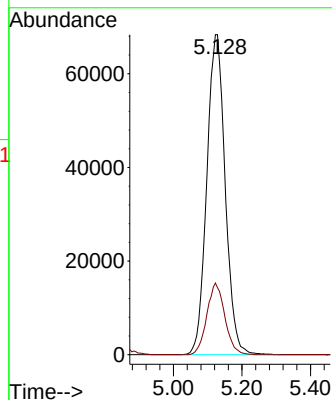
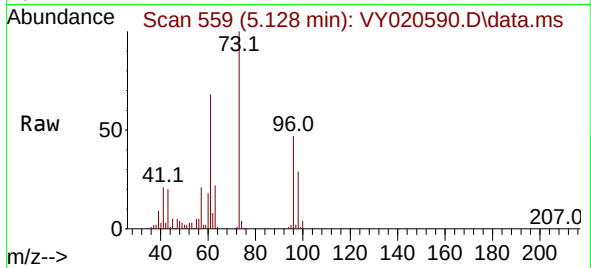




#19  
Methyl tert-butyl Ether  
Concen: 50.358 ug/l  
RT: 5.128 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: VY020590.D  
Acq: 12 Dec 2024 10:09

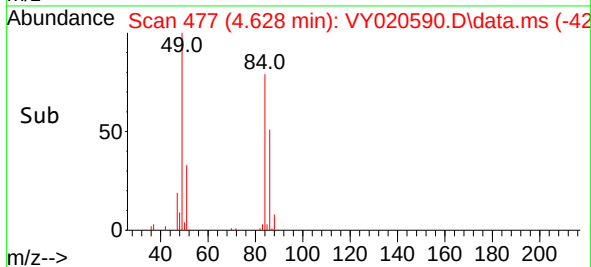
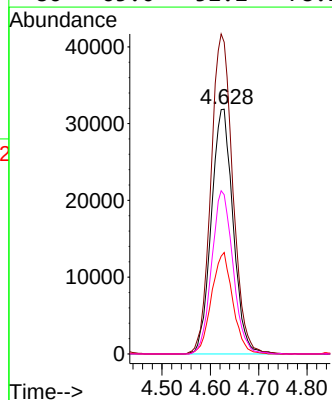
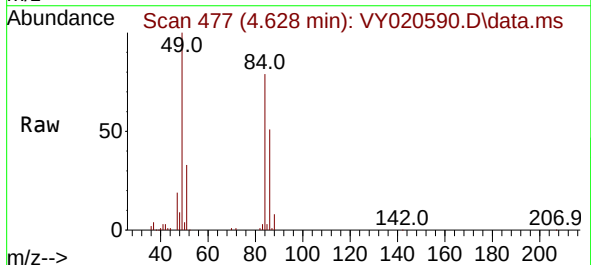
Instrument :  
MSVOA\_Y  
ClientSampleId :

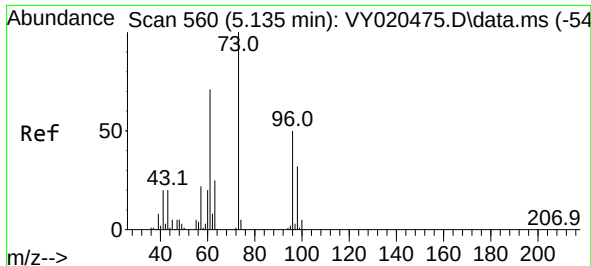
Tgt Ion: 73 Resp: 255458  
Ion Ratio Lower Upper  
73 100  
57 21.0 18.0 27.0



#20  
Methylene Chloride  
Concen: 48.410 ug/l  
RT: 4.628 min Scan# 477  
Delta R.T. -0.006 min  
Lab File: VY020590.D  
Acq: 12 Dec 2024 10:09

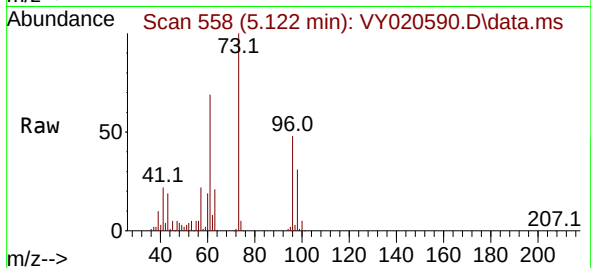
Tgt Ion: 84 Resp: 99649  
Ion Ratio Lower Upper  
84 100  
49 127.3 104.7 157.1  
51 41.4 33.4 50.0  
86 65.0 52.2 78.2



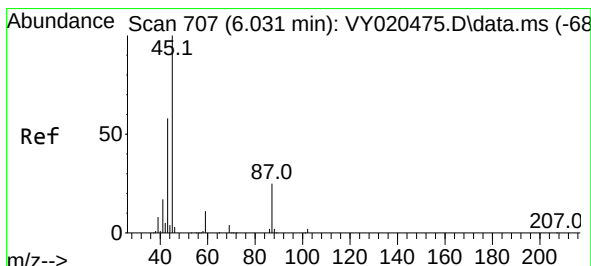
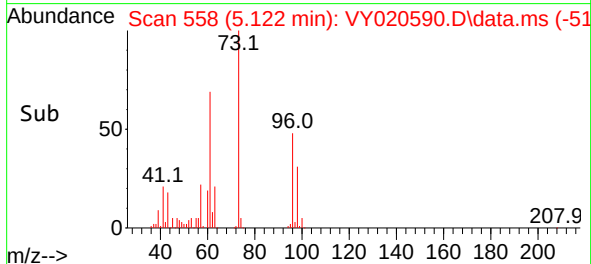
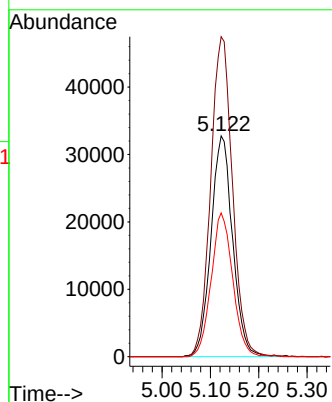


#21  
trans-1,2-Dichloroethene  
Concen: 46.220 ug/l  
RT: 5.122 min Scan# 51  
Delta R.T. -0.012 min  
Lab File: VY020590.D  
Acq: 12 Dec 2024 10:09

Instrument :  
MSVOA\_Y  
ClientSampleId :

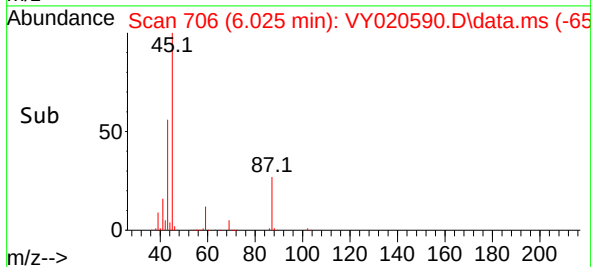
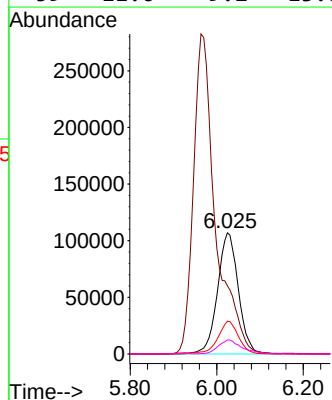
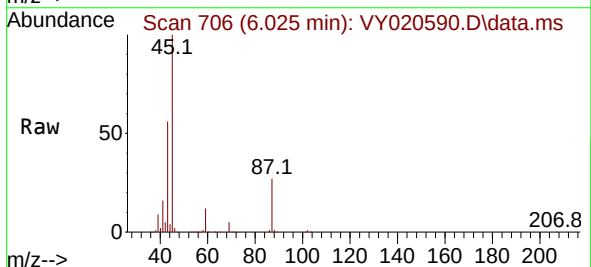


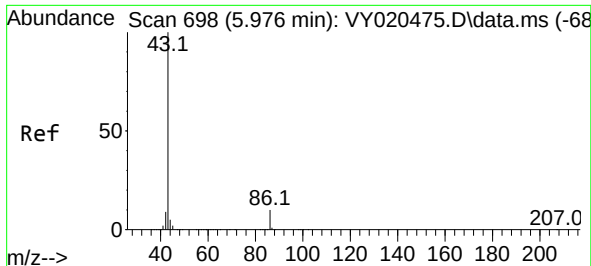
Tgt Ion: 96 Resp: 101974  
Ion Ratio Lower Upper  
96 100  
61 144.9 111.6 167.4  
98 65.1 46.7 70.1



#22  
Diisopropyl ether  
Concen: 50.688 ug/l  
RT: 6.025 min Scan# 706  
Delta R.T. -0.006 min  
Lab File: VY020590.D  
Acq: 12 Dec 2024 10:09

Tgt Ion: 45 Resp: 357091  
Ion Ratio Lower Upper  
45 100  
43 55.9 44.8 67.2  
87 27.0 20.6 30.8  
59 11.6 9.2 13.8

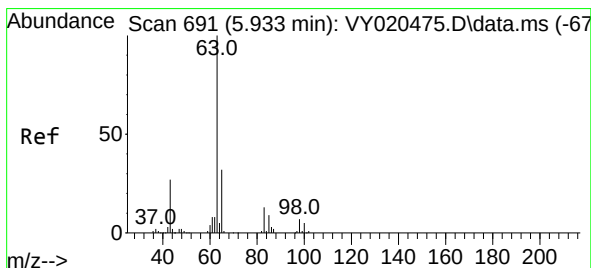
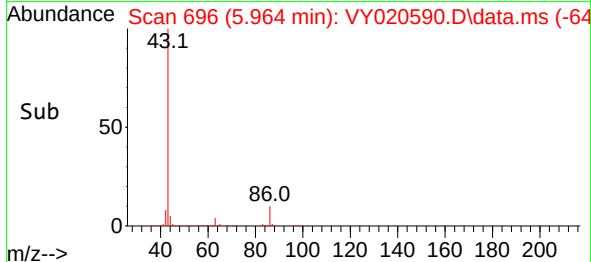
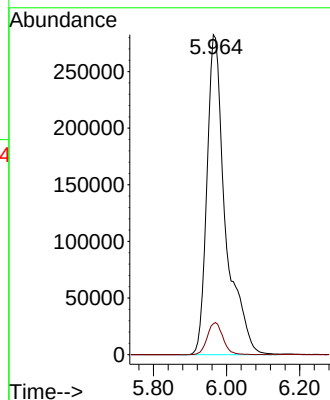
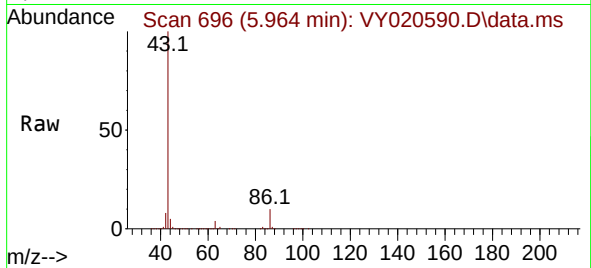




#23  
 Vinyl Acetate  
 Concen: 266.919 ug/l  
 RT: 5.964 min Scan# 694  
 Delta R.T. -0.012 min  
 Lab File: VY020590.D  
 Acq: 12 Dec 2024 10:09

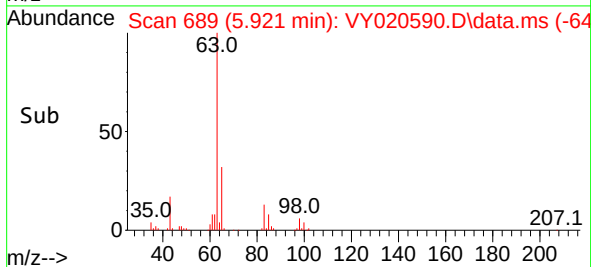
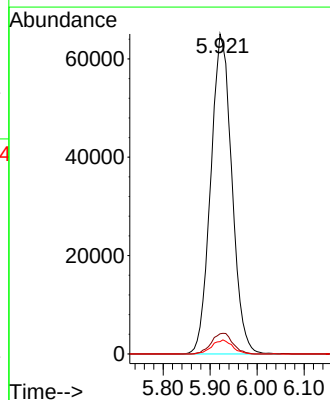
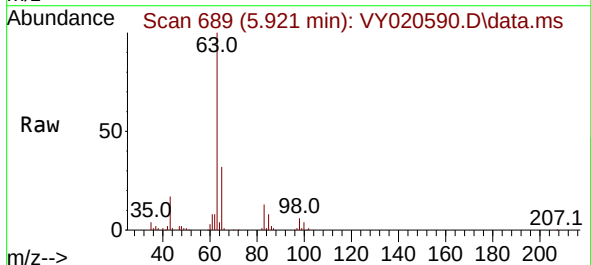
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Tgt Ion: 43 Resp: 994613  
 Ion Ratio Lower Upper  
 43 100  
 86 9.7 8.0 12.0

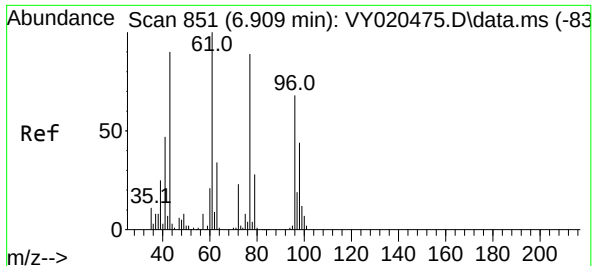


#24  
 1,1-Dichloroethane  
 Concen: 47.897 ug/l  
 RT: 5.921 min Scan# 689  
 Delta R.T. -0.012 min  
 Lab File: VY020590.D  
 Acq: 12 Dec 2024 10:09

Tgt Ion: 63 Resp: 203147  
 Ion Ratio Lower Upper  
 63 100  
 98 6.3 3.4 10.1  
 100 3.9 2.0 5.8







#25

2-Butanone

Concen: 289.490 ug/l

RT: 6.896 min Scan# 849

Delta R.T. -0.012 min

Lab File: VY020590.D

Acq: 12 Dec 2024 10:09

Instrument :

MSVOA\_Y

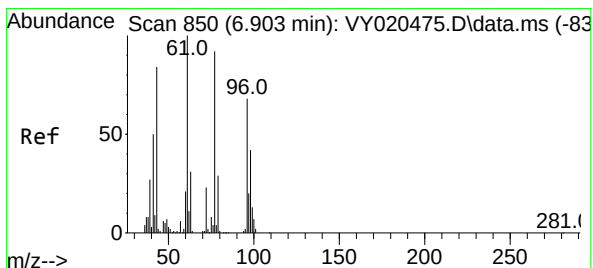
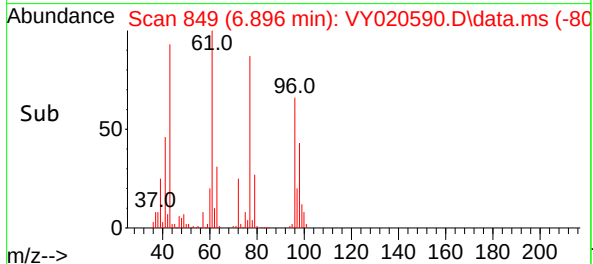
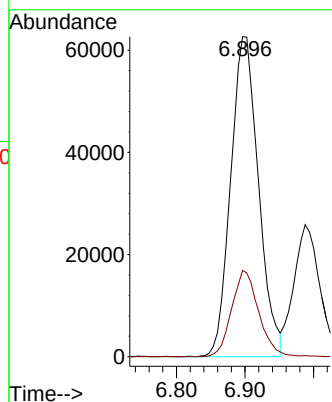
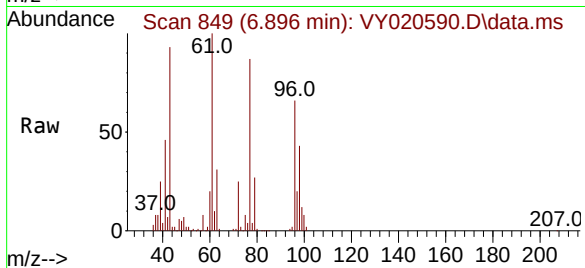
ClientSampleId :

Tgt Ion: 43 Resp: 176887

Ion Ratio Lower Upper

43 100

72 26.9 20.4 30.6



#26

2,2-Dichloropropane

Concen: 45.164 ug/l

RT: 6.896 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY020590.D

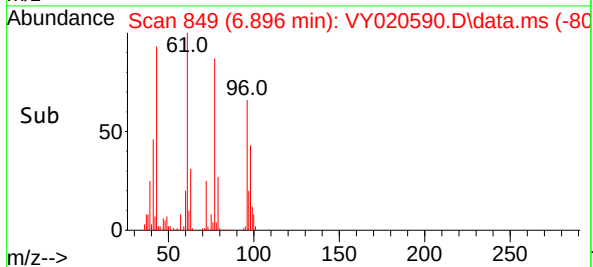
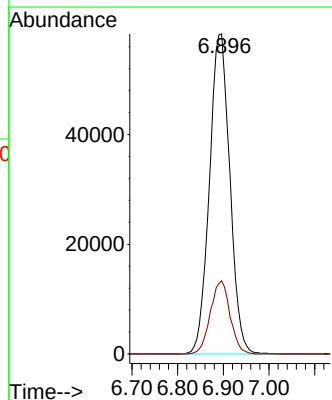
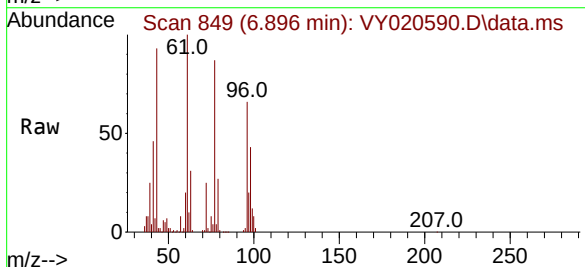
Acq: 12 Dec 2024 10:09

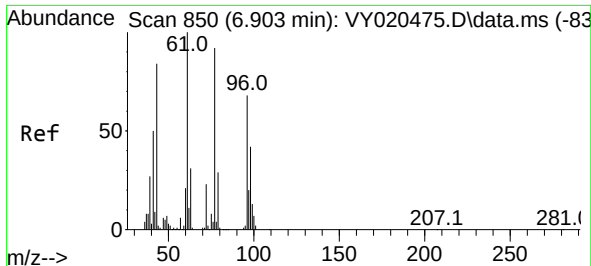
Tgt Ion: 77 Resp: 181179

Ion Ratio Lower Upper

77 100

97 22.0 10.9 32.7





#27

cis-1,2-Dichloroethene

Concen: 47.717 ug/l

RT: 6.896 min Scan# 84

Delta R.T. -0.006 min

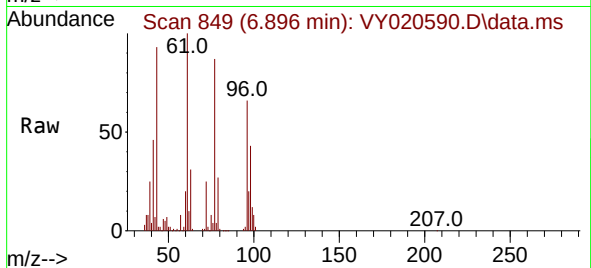
Lab File: VY020590.D

Acq: 12 Dec 2024 10:09

Instrument :

MSVOA\_Y

ClientSampleId :



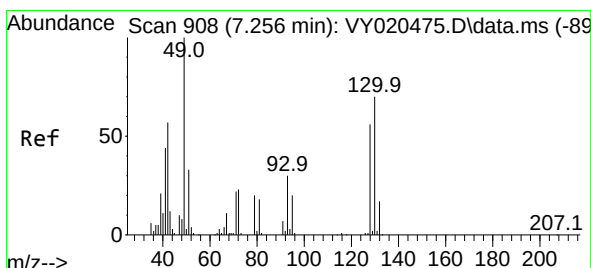
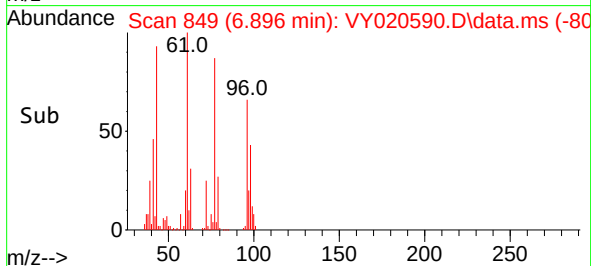
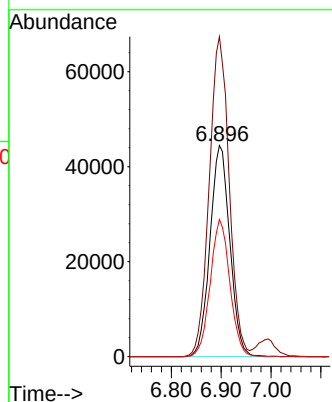
Tgt Ion: 96 Resp: 122930

Ion Ratio Lower Upper

96 100

61 152.1 0.0 312.4

98 64.1 0.0 126.8



#28

Bromochloromethane

Concen: 54.585 ug/l

RT: 7.250 min Scan# 907

Delta R.T. -0.006 min

Lab File: VY020590.D

Acq: 12 Dec 2024 10:09

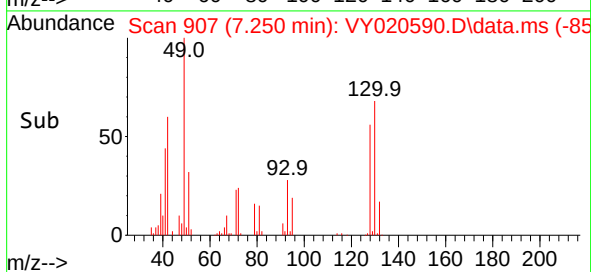
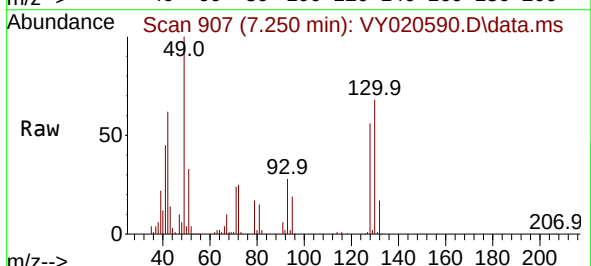
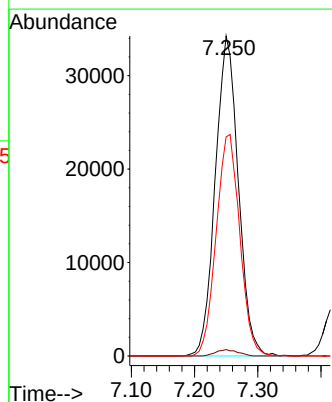
Tgt Ion: 49 Resp: 86454

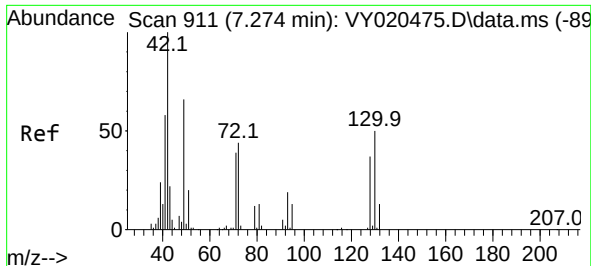
Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.0

130 70.9 55.0 82.6

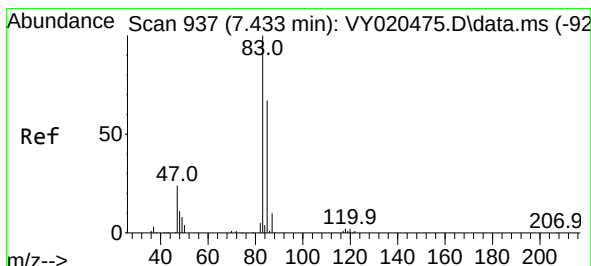
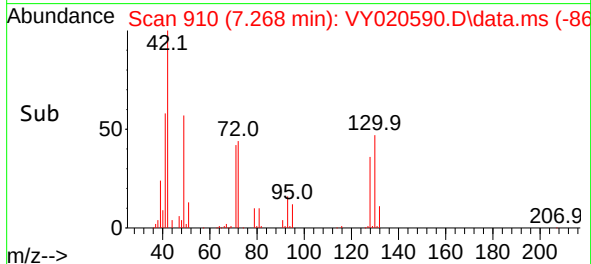
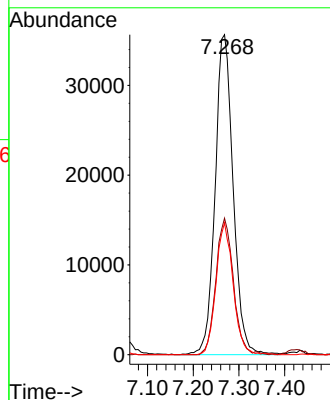
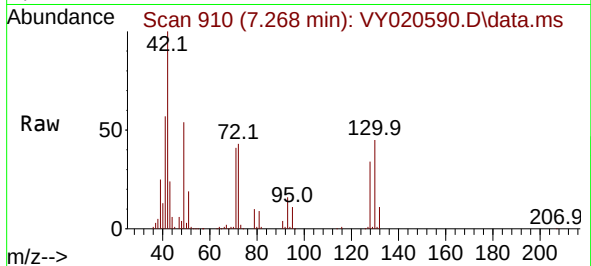




#29  
Tetrahydrofuran  
Concen: 280.838 ug/l  
RT: 7.268 min Scan# 911  
Delta R.T. -0.006 min  
Lab File: VY020590.D  
Acq: 12 Dec 2024 10:09

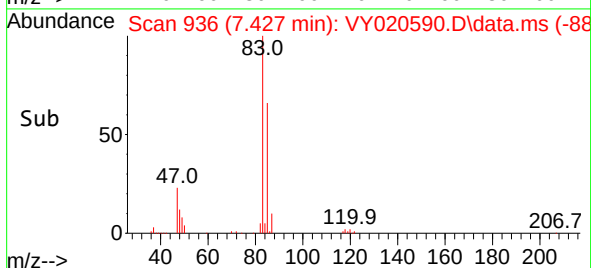
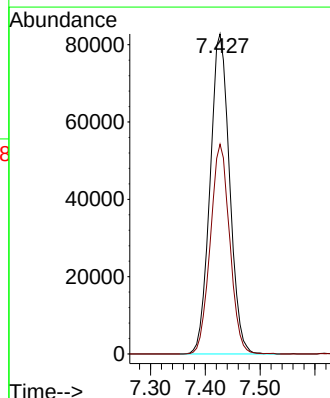
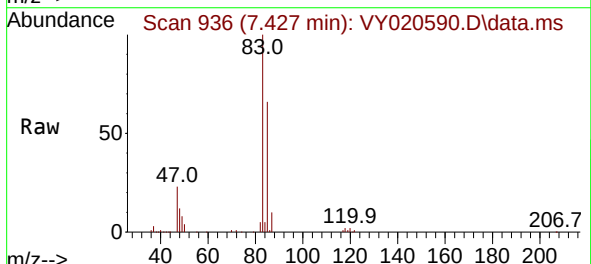
Instrument :  
MSVOA\_Y  
ClientSampleId :

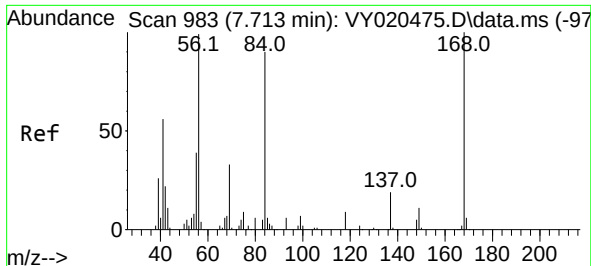
Tgt Ion: 42 Resp: 97896  
Ion Ratio Lower Upper  
42 100  
72 41.5 33.4 50.0  
71 39.0 31.9 47.9



#30  
Chloroform  
Concen: 46.894 ug/l  
RT: 7.427 min Scan# 936  
Delta R.T. -0.006 min  
Lab File: VY020590.D  
Acq: 12 Dec 2024 10:09

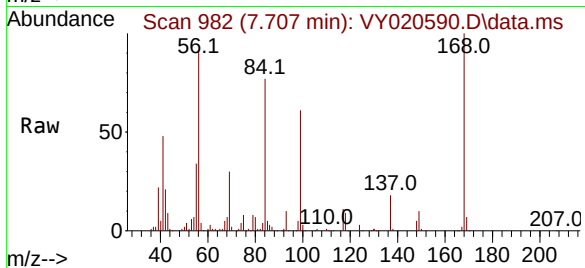
Tgt Ion: 83 Resp: 204127  
Ion Ratio Lower Upper  
83 100  
85 65.5 50.3 75.5



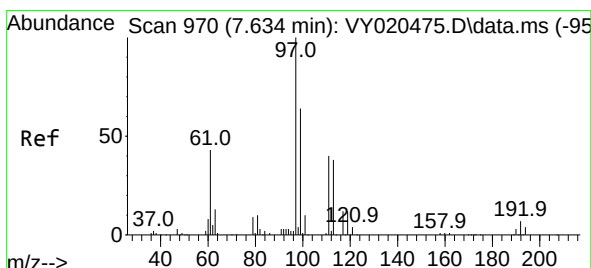
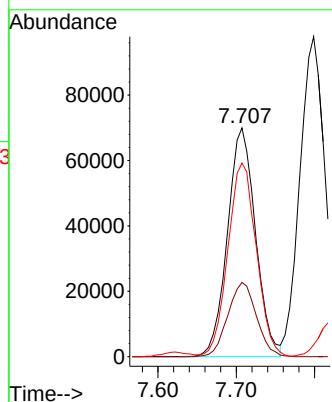
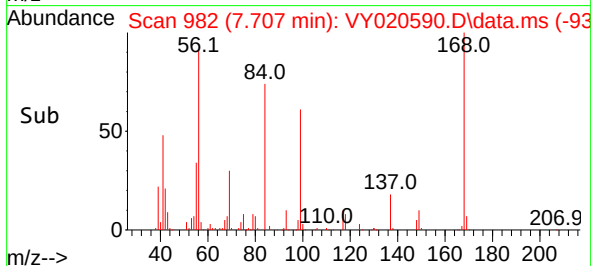


#31  
Cyclohexane  
Concen: 45.445 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY020590.D  
Acq: 12 Dec 2024 10:09

Instrument :  
MSVOA\_Y  
ClientSampleId :

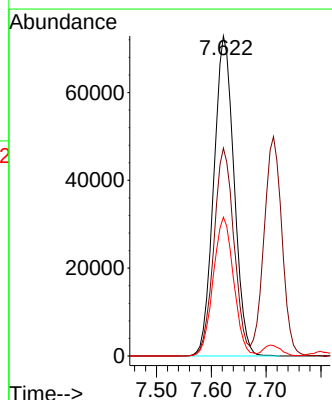
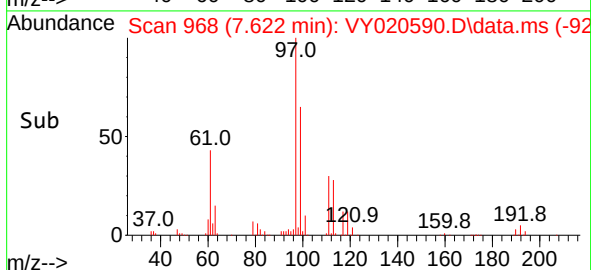
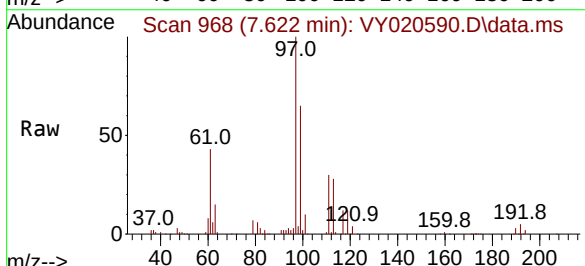


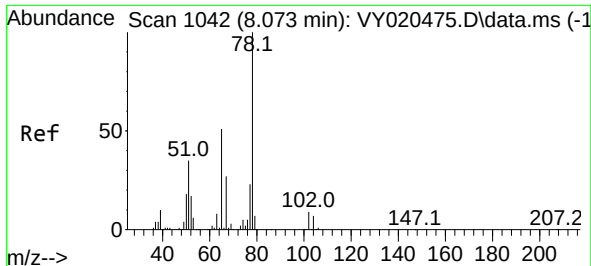
Tgt Ion: 56 Resp: 174251  
Ion Ratio Lower Upper  
56 100  
69 32.5 25.3 37.9  
84 82.9 66.9 100.3



#32  
1,1,1-Trichloroethane  
Concen: 44.746 ug/l  
RT: 7.622 min Scan# 968  
Delta R.T. -0.012 min  
Lab File: VY020590.D  
Acq: 12 Dec 2024 10:09

Tgt Ion: 97 Resp: 187551  
Ion Ratio Lower Upper  
97 100  
99 64.5 51.8 77.6  
61 43.7 37.1 55.7





#33

1,2-Dichloroethane-d4

Concen: 51.186 ug/l

RT: 8.067 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY020590.D

Acq: 12 Dec 2024 10:09

Instrument :

MSVOA\_Y

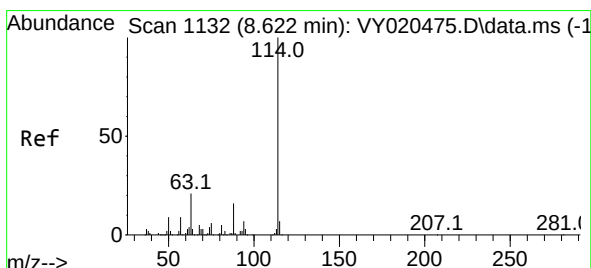
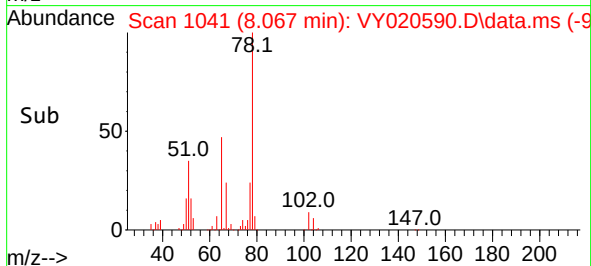
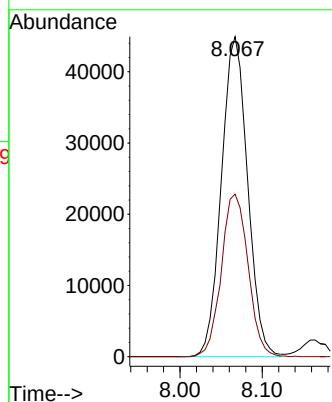
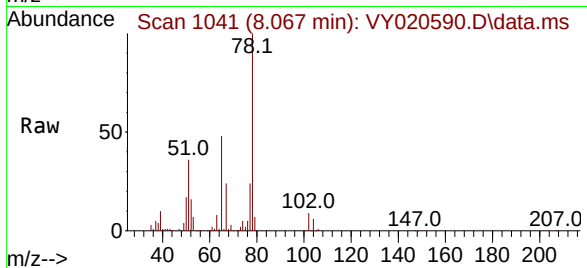
ClientSampleId :

Tgt Ion: 65 Resp: 99612

Ion Ratio Lower Upper

65 100

67 51.8 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY020590.D

Acq: 12 Dec 2024 10:09

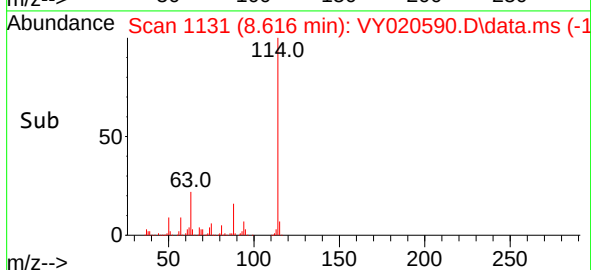
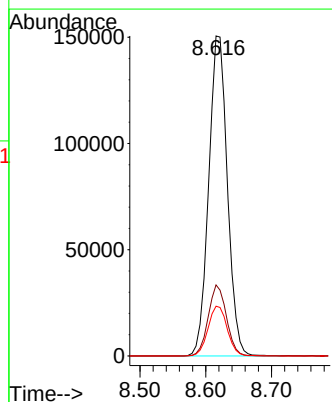
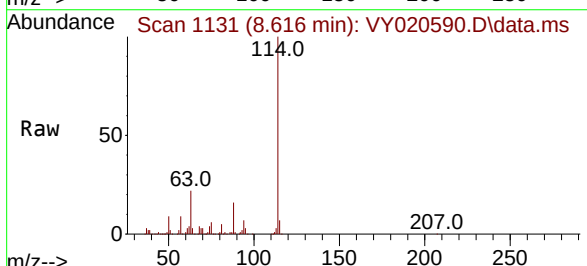
Tgt Ion: 114 Resp: 297529

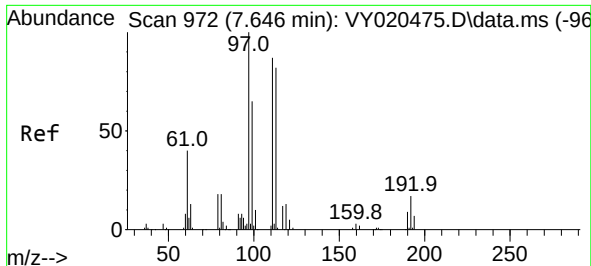
Ion Ratio Lower Upper

114 100

63 22.2 0.0 44.8

88 15.6 0.0 32.0





#35

Dibromofluoromethane

Concen: 52.501 ug/l

RT: 7.640 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY020590.D

Acq: 12 Dec 2024 10:09

Instrument :

MSVOA\_Y

ClientSampleId :

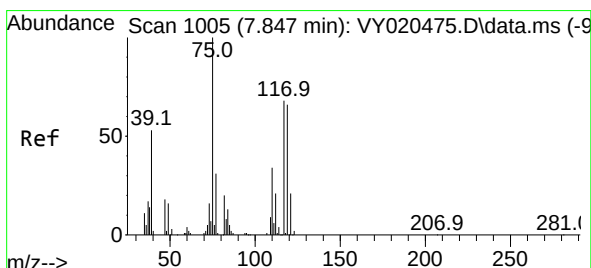
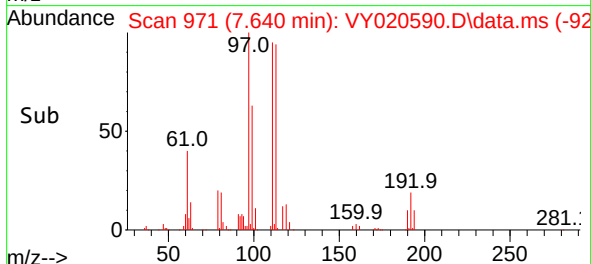
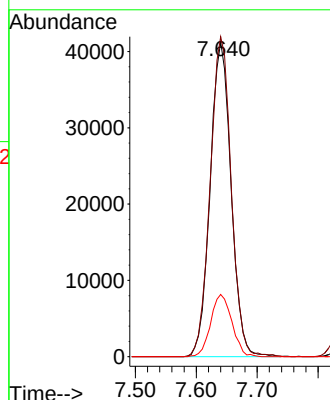
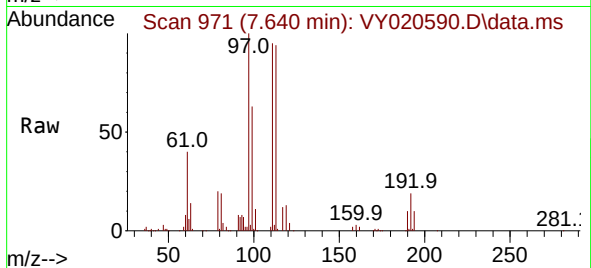
Tgt Ion:113 Resp: 98338

Ion Ratio Lower Upper

113 100

111 102.4 81.4 122.0

192 20.0 15.1 22.7



#36

1,1-Dichloropropene

Concen: 46.532 ug/l

RT: 7.841 min Scan# 1004

Delta R.T. -0.006 min

Lab File: VY020590.D

Acq: 12 Dec 2024 10:09

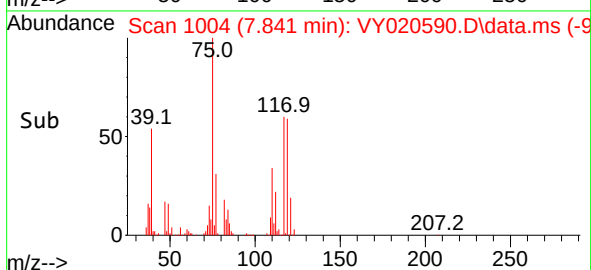
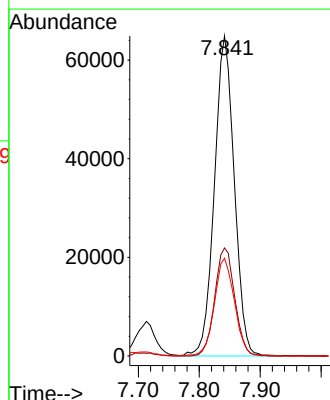
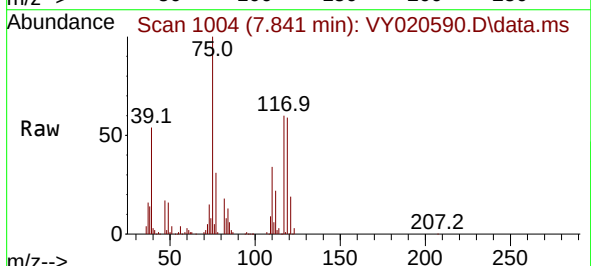
Tgt Ion: 75 Resp: 147185

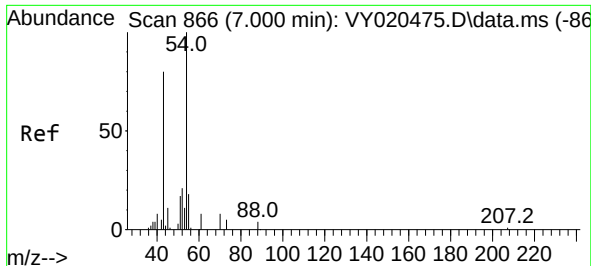
Ion Ratio Lower Upper

75 100

110 33.9 16.7 50.0

77 30.8 24.6 36.8

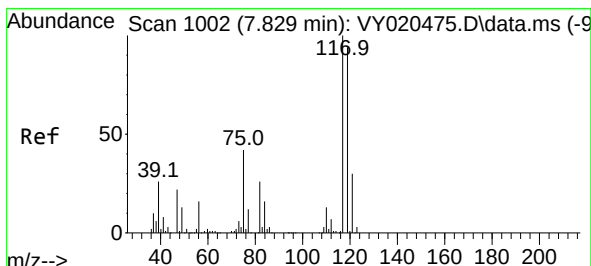
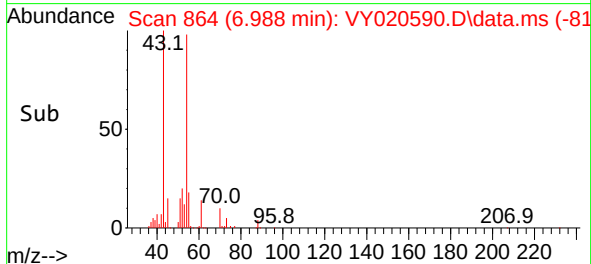
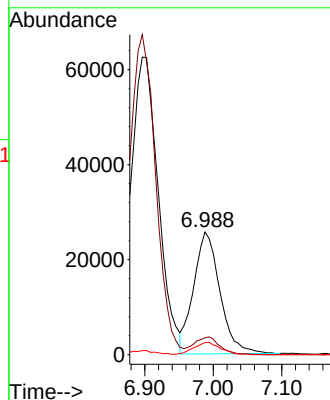
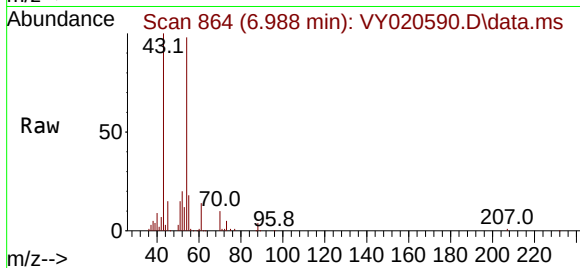




#37  
Ethyl Acetate  
Concen: 54.648 ug/l  
RT: 6.988 min Scan# 80  
Delta R.T. -0.012 min  
Lab File: VY020590.D  
Acq: 12 Dec 2024 10:09

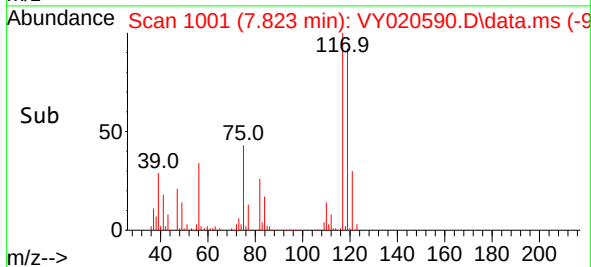
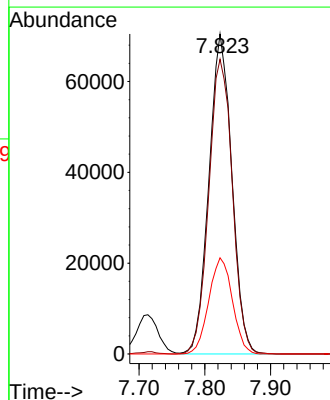
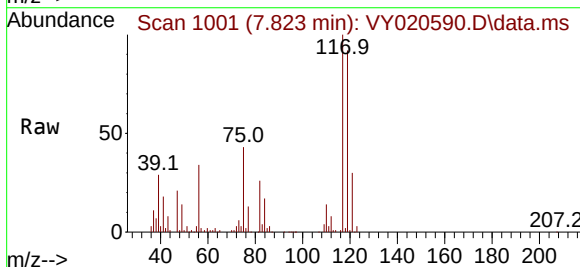
Instrument :  
MSVOA\_Y  
ClientSampleId :

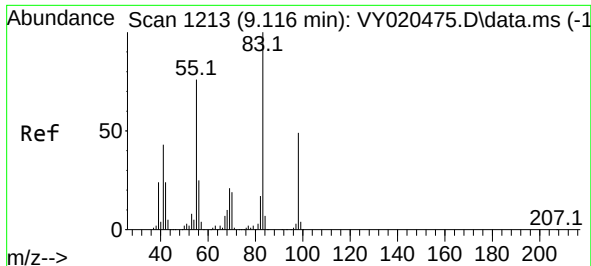
Tgt Ion: 43 Resp: 68482  
Ion Ratio Lower Upper  
43 100  
61 14.4 10.7 16.1  
70 10.3 7.3 10.9



#38  
Carbon Tetrachloride  
Concen: 45.352 ug/l  
RT: 7.823 min Scan# 1001  
Delta R.T. -0.006 min  
Lab File: VY020590.D  
Acq: 12 Dec 2024 10:09

Tgt Ion: 117 Resp: 171210  
Ion Ratio Lower Upper  
117 100  
119 92.1 77.8 116.6  
121 30.0 24.6 37.0





#39

Methylcyclohexane

Concen: 47.190 ug/l

RT: 9.109 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY020590.D

Acq: 12 Dec 2024 10:09

Instrument :

MSVOA\_Y

ClientSampleId :

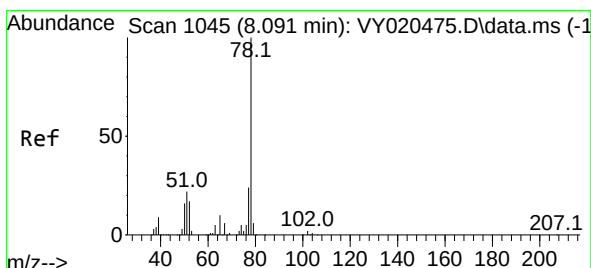
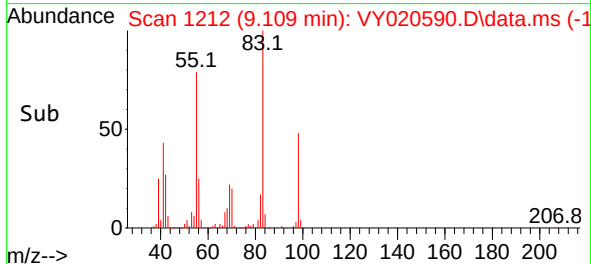
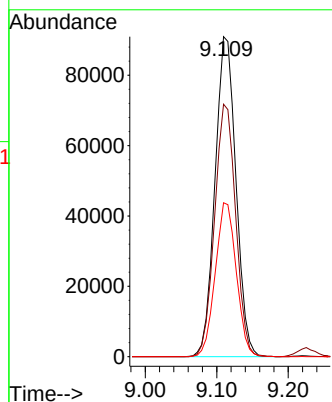
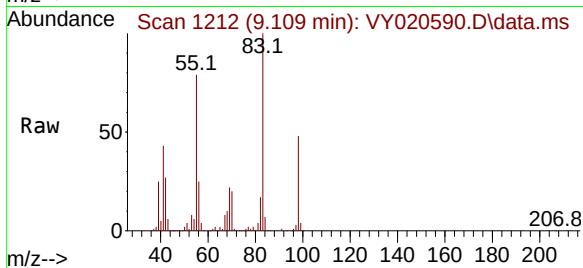
Tgt Ion: 83 Resp: 185225

Ion Ratio Lower Upper

83 100

55 78.9 62.6 93.8

98 48.1 37.0 55.4



#40

Benzene

Concen: 47.309 ug/l

RT: 8.085 min Scan# 1044

Delta R.T. -0.006 min

Lab File: VY020590.D

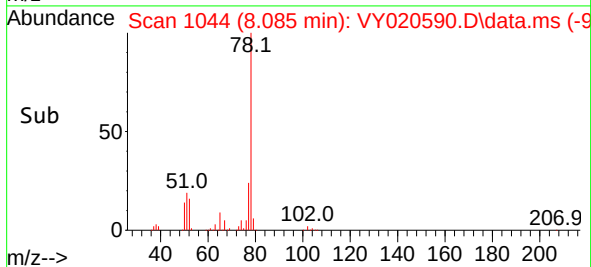
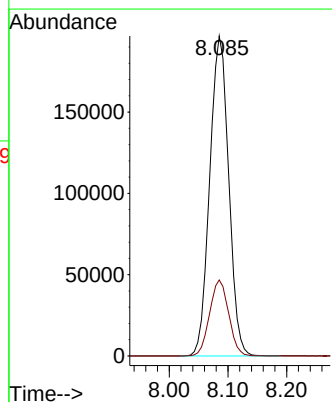
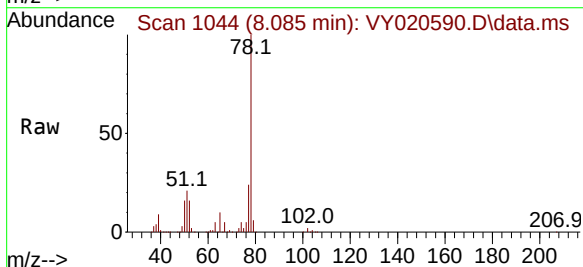
Acq: 12 Dec 2024 10:09

Tgt Ion: 78 Resp: 441204

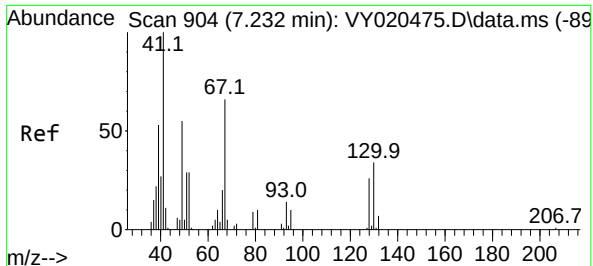
Ion Ratio Lower Upper

78 100

77 23.7 19.4 29.0

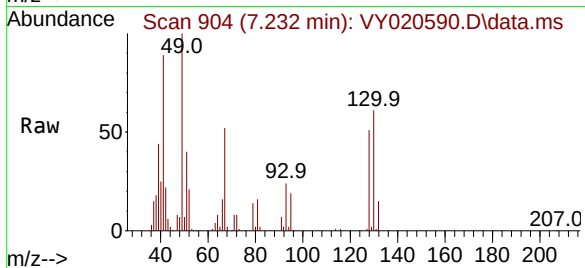




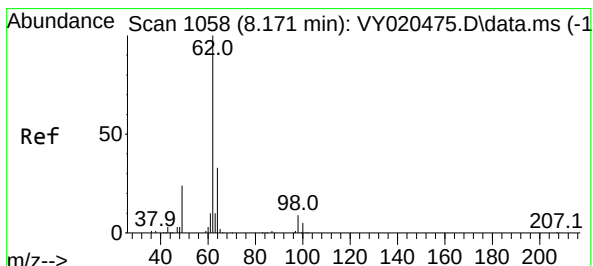
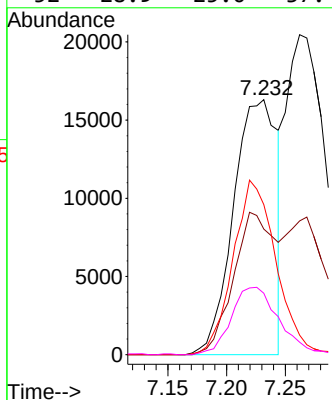
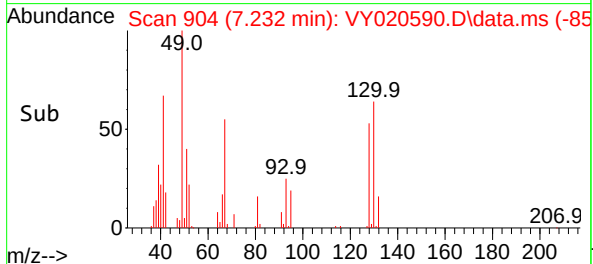


#41  
Methacrylonitrile  
Concen: 59.055 ug/l  
RT: 7.232 min Scan# 904  
Delta R.T. -0.000 min  
Lab File: VY020590.D  
Acq: 12 Dec 2024 10:09

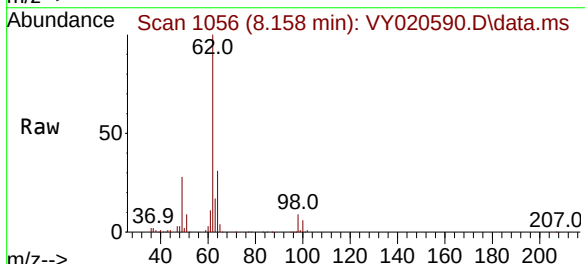
Instrument :  
MSVOA\_Y  
ClientSampleId :



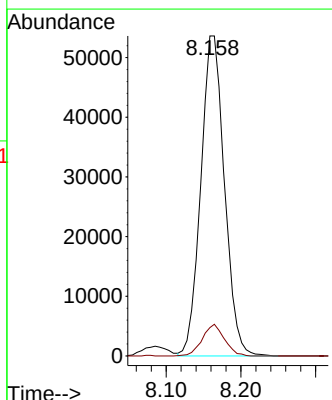
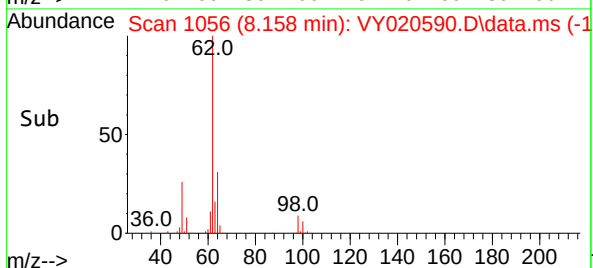
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 41    | Resp: | 42070 |
| Ion Ratio | Lower | Upper |       |
| 41        | 100   |       |       |
| 39        | 52.9  | 49.0  | 73.4  |
| 67        | 67.8  | 57.1  | 85.7  |
| 52        | 28.9  | 25.0  | 37.4  |

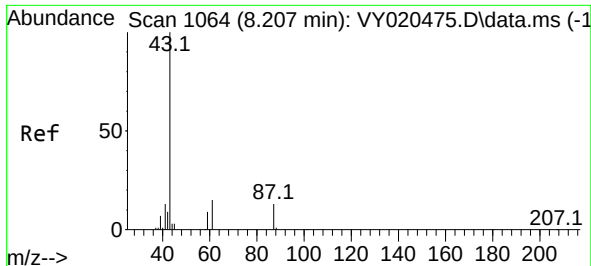


#42  
1,2-Dichloroethane  
Concen: 48.164 ug/l  
RT: 8.158 min Scan# 1056  
Delta R.T. -0.012 min  
Lab File: VY020590.D  
Acq: 12 Dec 2024 10:09



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 62    | Resp: | 118027 |
| Ion Ratio | Lower | Upper |        |
| 62        | 100   |       |        |
| 98        | 9.2   | 0.0   | 18.0   |

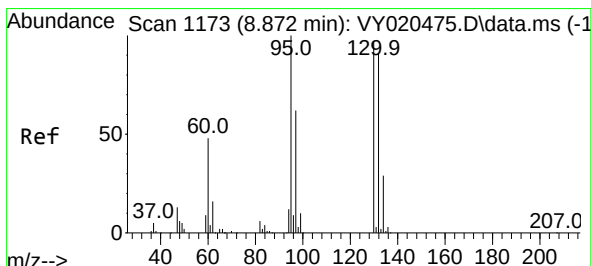
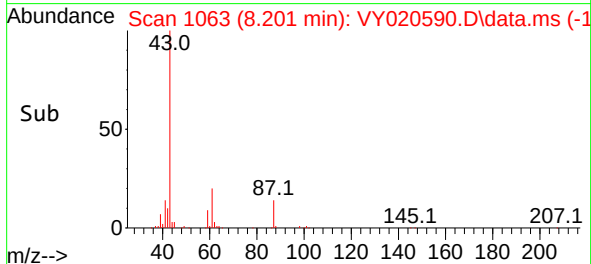
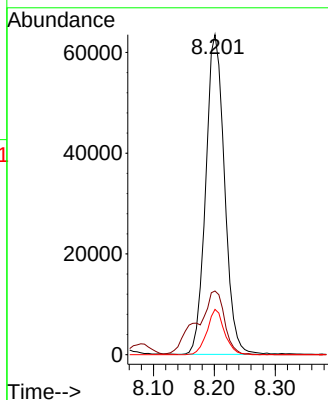
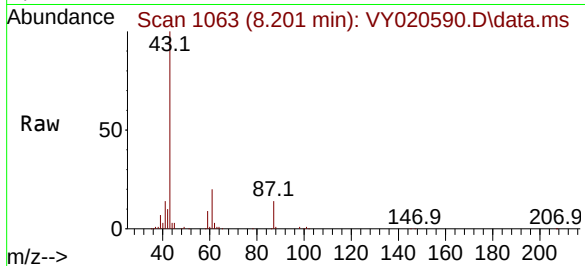




#43  
Isopropyl Acetate  
Concen: 53.653 ug/l  
RT: 8.201 min Scan# 1106  
Delta R.T. -0.006 min  
Lab File: VY020590.D  
Acq: 12 Dec 2024 10:09

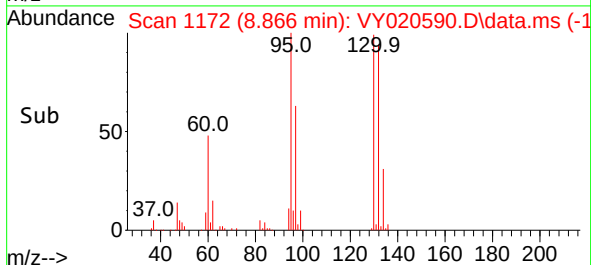
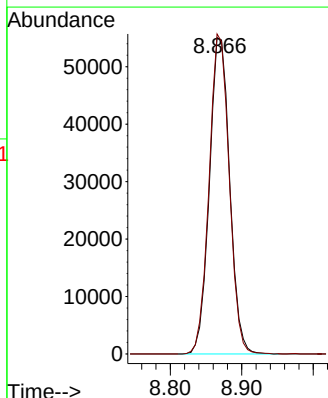
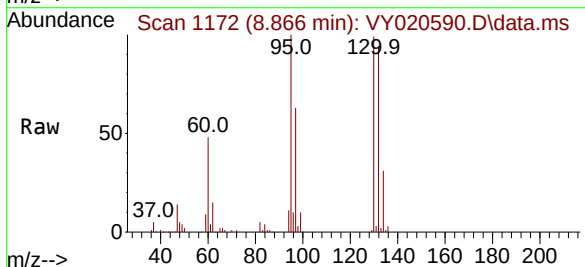
Instrument :  
MSVOA\_Y  
ClientSampleId :

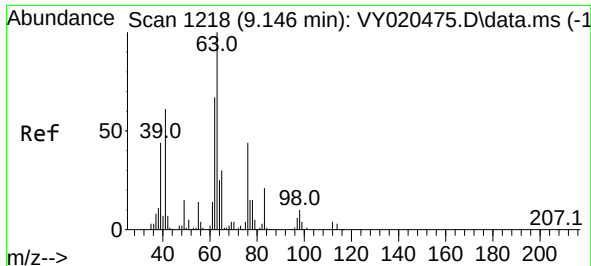
Tgt Ion: 43 Resp: 135766  
Ion Ratio Lower Upper  
43 100  
61 29.4 22.8 34.2  
87 13.1 9.6 14.4



#44  
Trichloroethene  
Concen: 47.208 ug/l  
RT: 8.866 min Scan# 1172  
Delta R.T. -0.006 min  
Lab File: VY020590.D  
Acq: 12 Dec 2024 10:09

Tgt Ion:130 Resp: 108534  
Ion Ratio Lower Upper  
130 100  
95 101.1 0.0 204.8





#45

1,2-Dichloropropane

Concen: 48.647 ug/l

RT: 9.146 min Scan# 1218

Delta R.T. -0.000 min

Lab File: VY020590.D

Acq: 12 Dec 2024 10:09

Instrument :

MSVOA\_Y

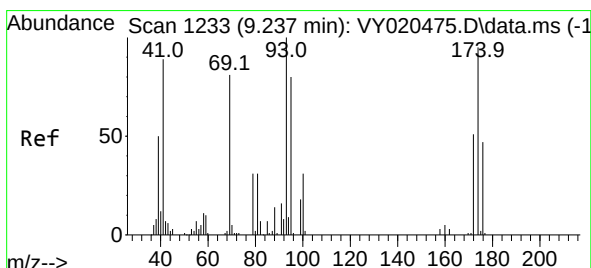
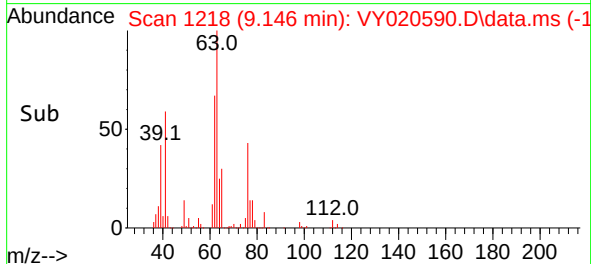
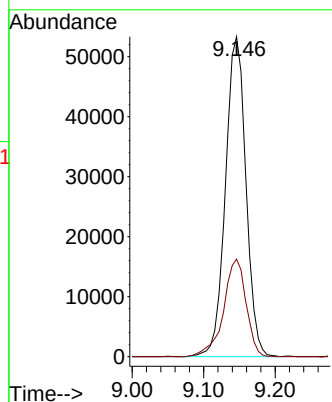
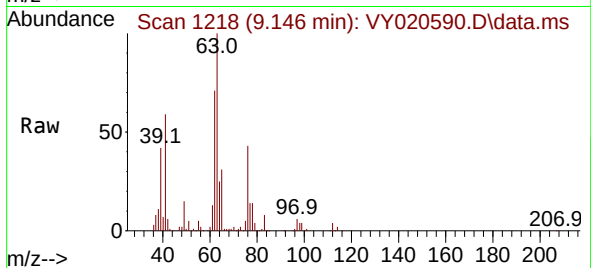
ClientSampleId :

Tgt Ion: 63 Resp: 106166

Ion Ratio Lower Upper

63 100

65 30.5 24.2 36.4



#46

Dibromomethane

Concen: 51.065 ug/l

RT: 9.237 min Scan# 1233

Delta R.T. -0.000 min

Lab File: VY020590.D

Acq: 12 Dec 2024 10:09

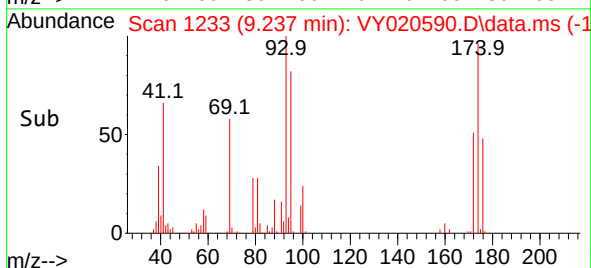
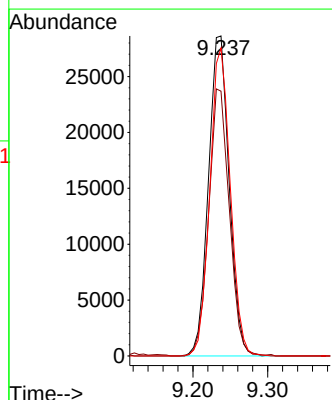
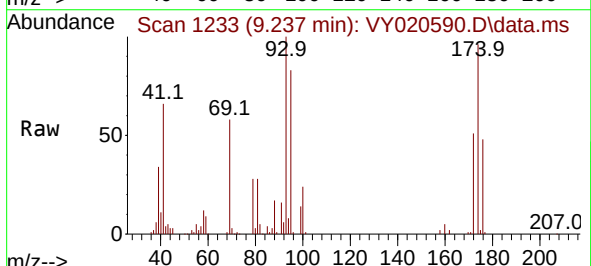
Tgt Ion: 93 Resp: 55178

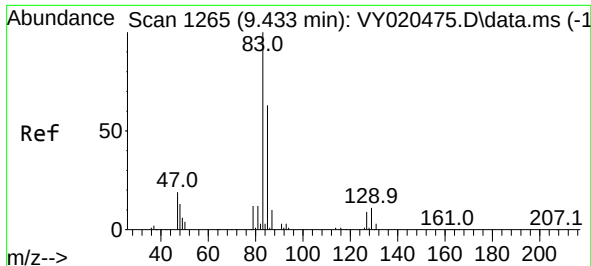
Ion Ratio Lower Upper

93 100

95 82.9 65.3 97.9

174 95.1 74.4 111.6

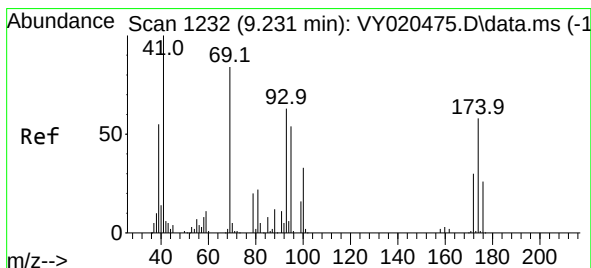
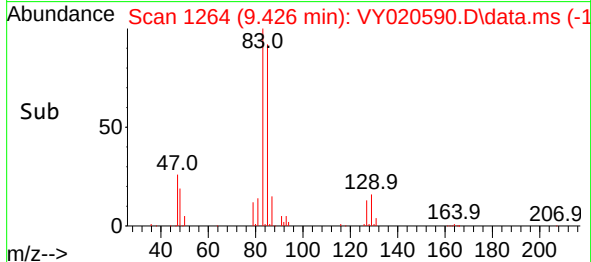
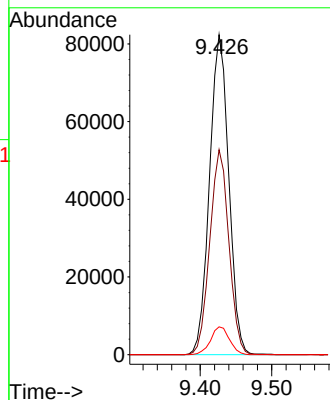
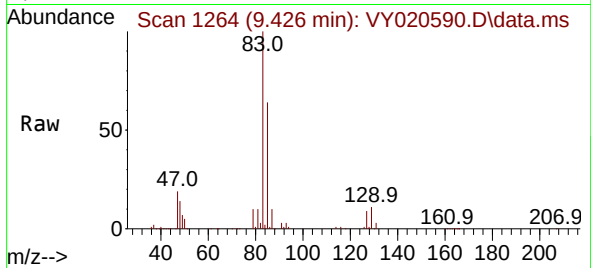




#47  
Bromodichloromethane  
Concen: 48.279 ug/l  
RT: 9.426 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY020590.D  
Acq: 12 Dec 2024 10:09

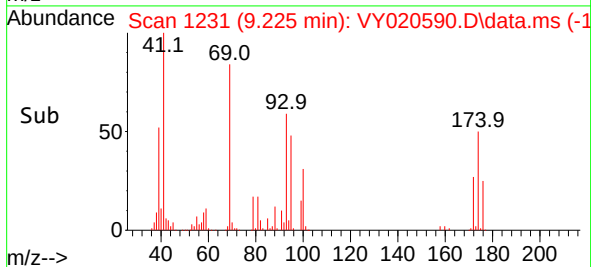
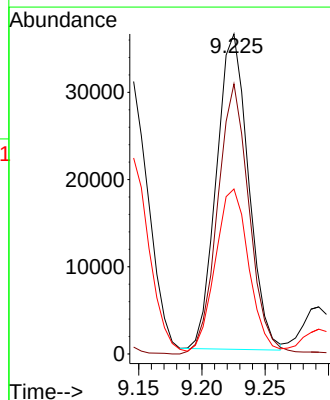
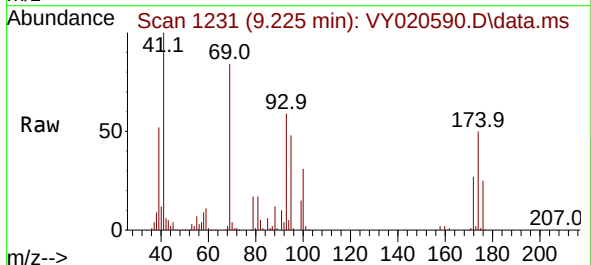
Instrument :  
MSVOA\_Y  
ClientSampleId :

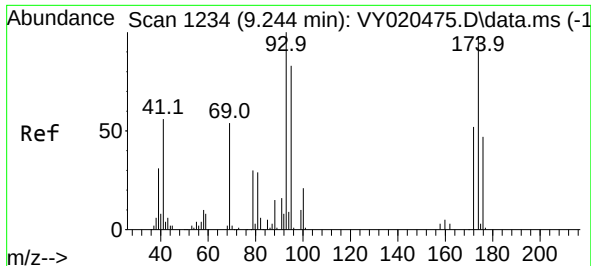
Tgt Ion: 83 Resp: 153699  
Ion Ratio Lower Upper  
83 100  
85 64.1 51.4 77.2  
127 8.7 6.3 9.5



#48  
Methyl methacrylate  
Concen: 53.887 ug/l  
RT: 9.225 min Scan# 1231  
Delta R.T. -0.006 min  
Lab File: VY020590.D  
Acq: 12 Dec 2024 10:09

Tgt Ion: 41 Resp: 63586  
Ion Ratio Lower Upper  
41 100  
69 85.3 66.1 99.1  
39 53.5 46.0 69.0





#49

1,4-Dioxane

Concen: 1152.352 ug/l

RT: 9.231 min Scan# 11

Delta R.T. -0.012 min

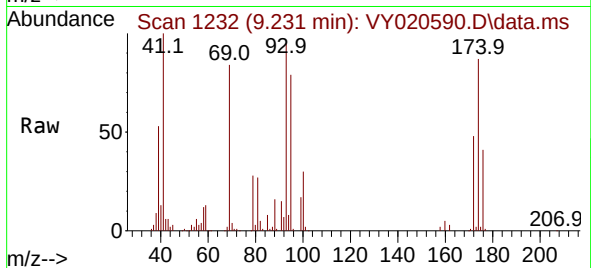
Lab File: VY020590.D

Acq: 12 Dec 2024 10:09

Instrument :

MSVOA\_Y

ClientSampleId :



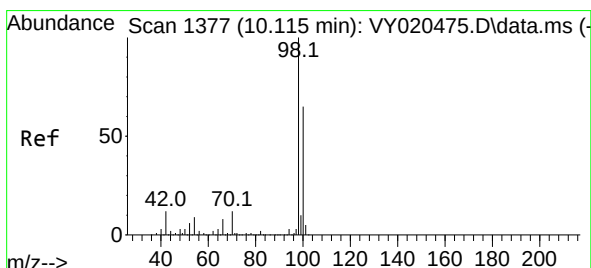
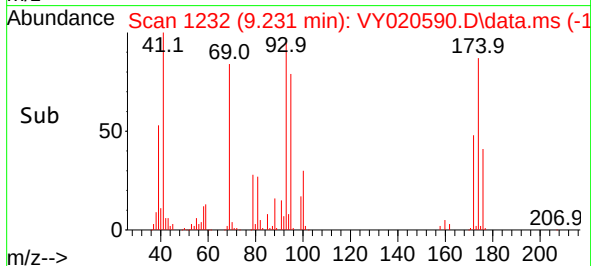
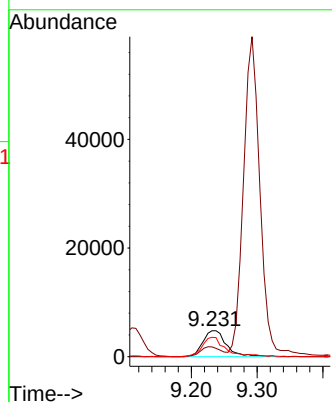
Tgt Ion: 88 Resp: 11902

Ion Ratio Lower Upper

88 100

43 34.9 24.6 37.0

58 73.7 59.6 89.4



#50

Toluene-d8

Concen: 50.674 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.006 min

Lab File: VY020590.D

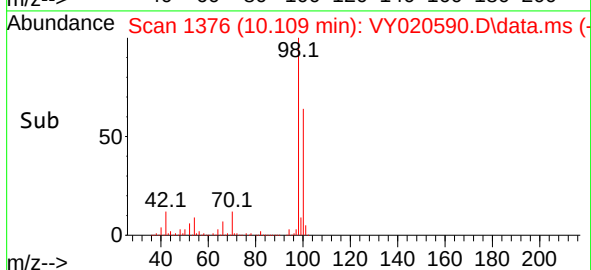
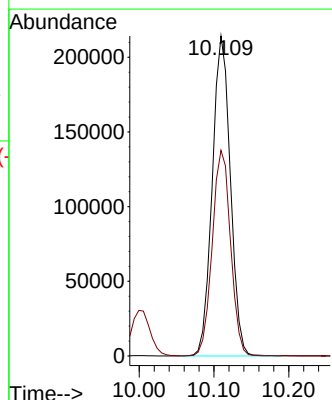
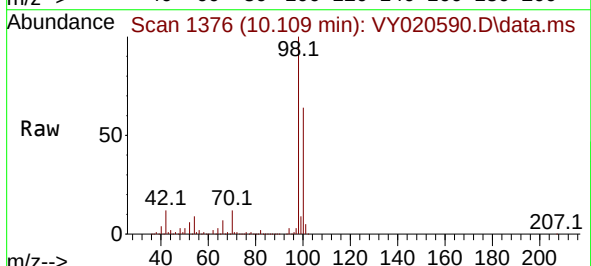
Acq: 12 Dec 2024 10:09

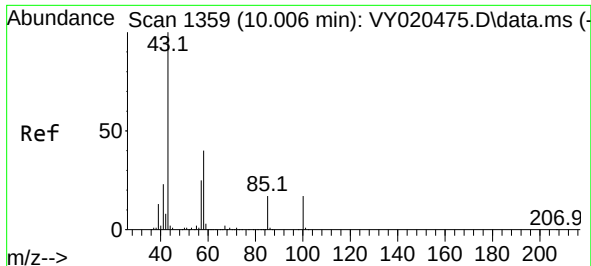
Tgt Ion: 98 Resp: 361428

Ion Ratio Lower Upper

98 100

100 65.0 51.3 76.9

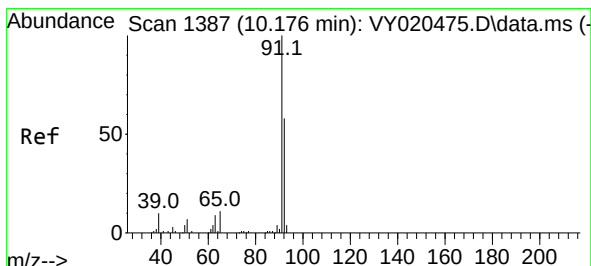
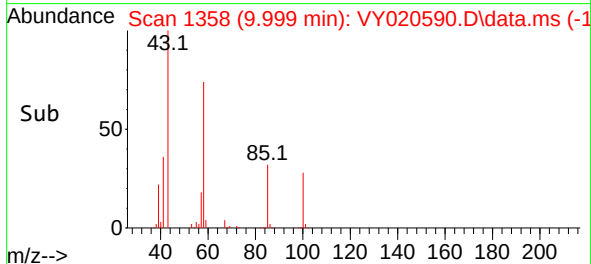
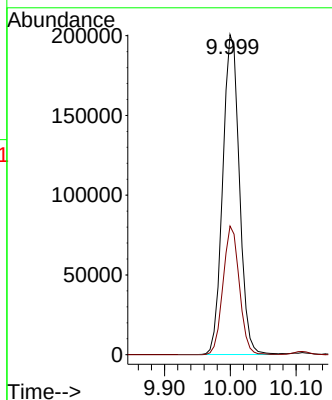
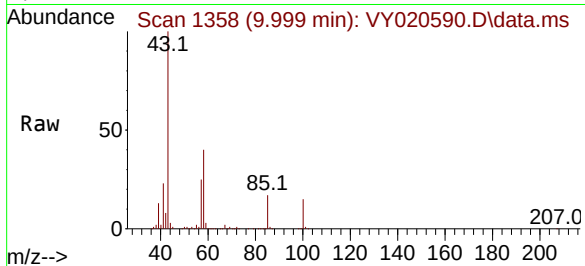




#51  
4-Methyl-2-Pentanone  
Concen: 283.606 ug/l  
RT: 9.999 min Scan# 1358  
Delta R.T. -0.006 min  
Lab File: VY020590.D  
Acq: 12 Dec 2024 10:09

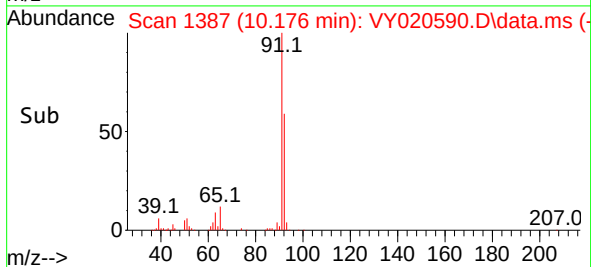
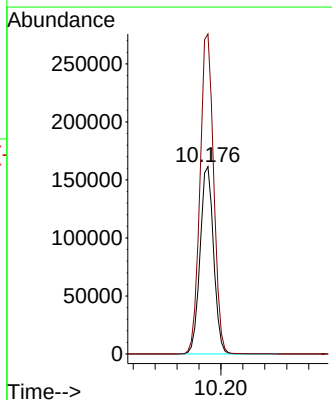
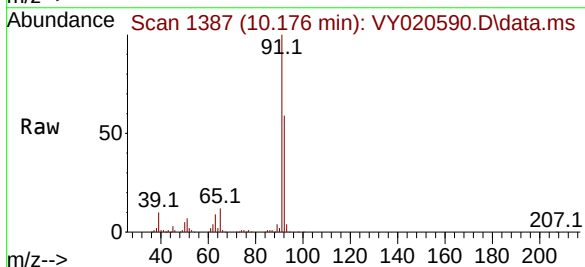
Instrument :  
MSVOA\_Y  
ClientSampleId :

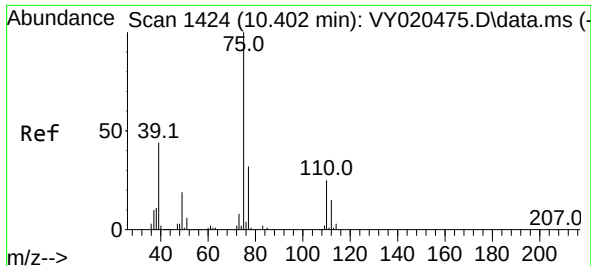
Tgt Ion: 43 Resp: 354412  
Ion Ratio Lower Upper  
43 100  
58 39.4 30.9 46.3



#52  
Toluene  
Concen: 47.425 ug/l  
RT: 10.176 min Scan# 1387  
Delta R.T. -0.000 min  
Lab File: VY020590.D  
Acq: 12 Dec 2024 10:09

Tgt Ion: 92 Resp: 275951  
Ion Ratio Lower Upper  
92 100  
91 173.1 139.7 209.5





#53

t-1,3-Dichloropropene

Concen: 50.051 ug/l

RT: 10.396 min Scan# 1424

Delta R.T. -0.006 min

Lab File: VY020590.D

Acq: 12 Dec 2024 10:09

Instrument :

MSVOA\_Y

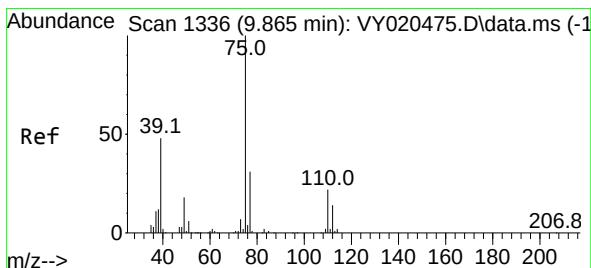
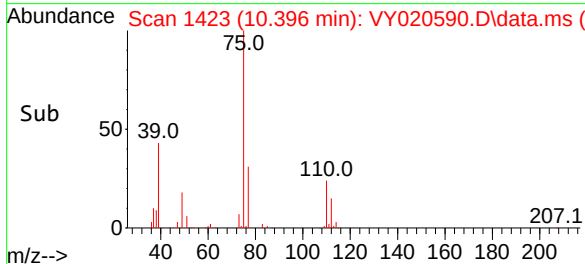
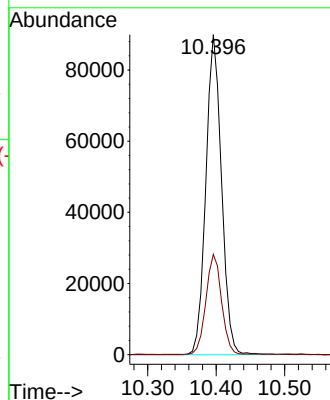
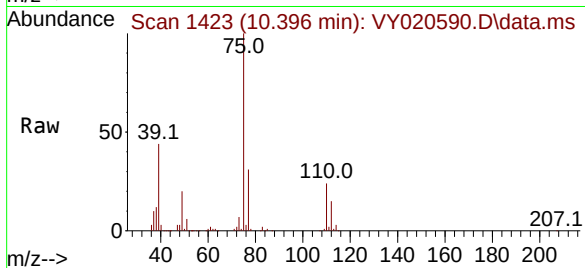
ClientSampleId :

Tgt Ion: 75 Resp: 143052

Ion Ratio Lower Upper

75 100

77 31.2 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 49.954 ug/l

RT: 9.859 min Scan# 1335

Delta R.T. -0.006 min

Lab File: VY020590.D

Acq: 12 Dec 2024 10:09

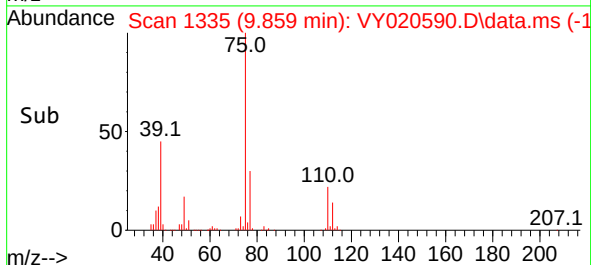
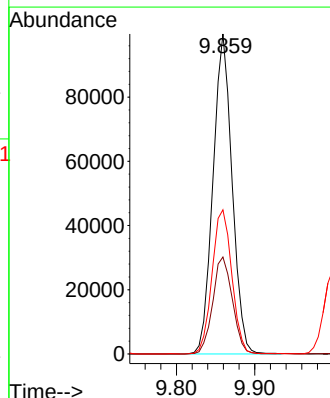
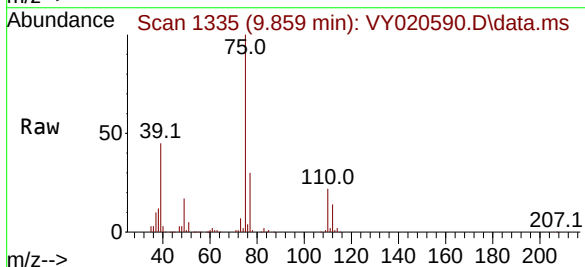
Tgt Ion: 75 Resp: 168734

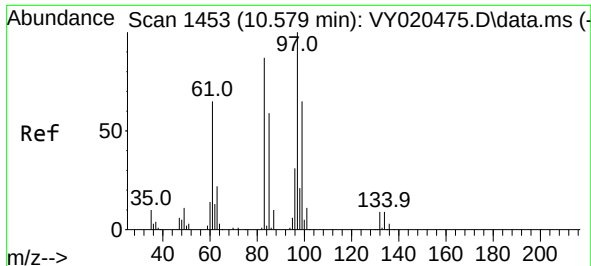
Ion Ratio Lower Upper

75 100

77 30.3 25.0 37.4

39 45.0 41.0 61.6

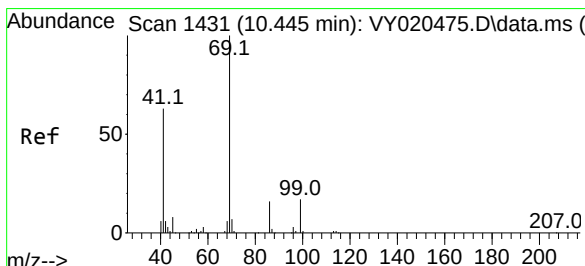
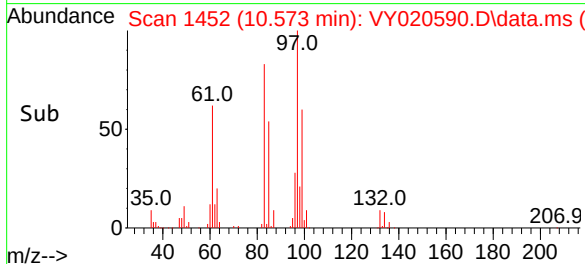
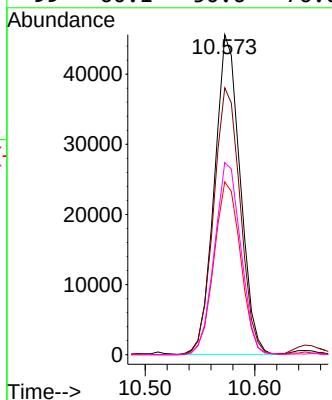
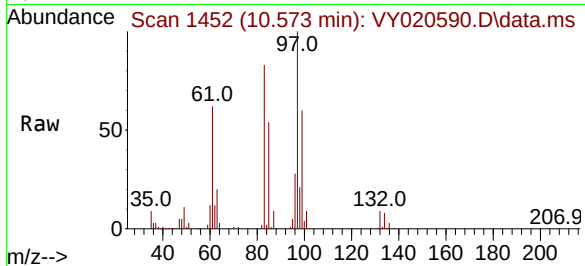




#55  
1,1,2-Trichloroethane  
Concen: 51.556 ug/l  
RT: 10.573 min Scan# 1453  
Delta R.T. -0.006 min  
Lab File: VY020590.D  
Acq: 12 Dec 2024 10:09

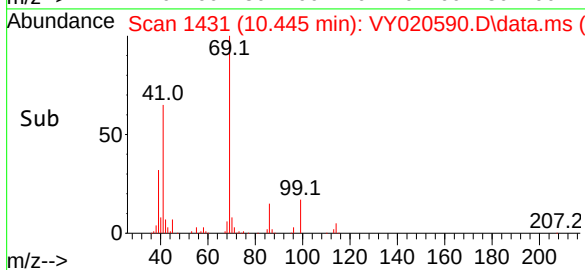
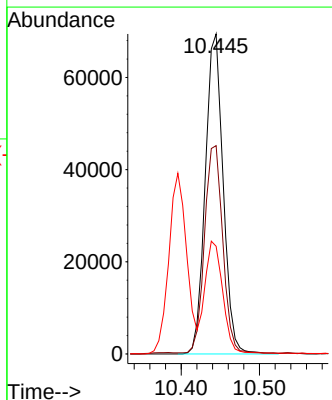
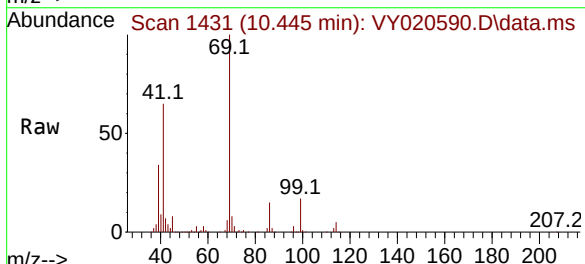
Instrument :  
MSVOA\_Y  
ClientSampleId :

|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 74313 |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 83 83.5     | 70.8 106.2  |
| 85 54.1     | 44.9 67.3   |
| 99 60.1     | 50.6 76.0   |

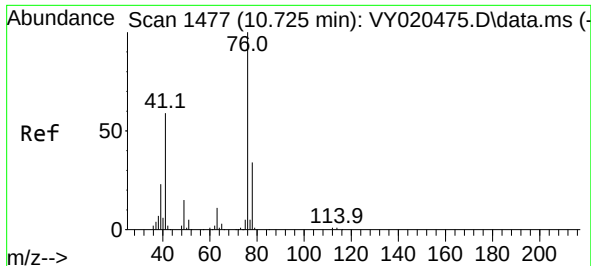


#56  
Ethyl methacrylate  
Concen: 53.862 ug/l  
RT: 10.445 min Scan# 1431  
Delta R.T. -0.000 min  
Lab File: VY020590.D  
Acq: 12 Dec 2024 10:09

|             |              |
|-------------|--------------|
| Tgt Ion: 69 | Resp: 109852 |
| Ion Ratio   | Lower Upper  |
| 69 100      |              |
| 41 66.4     | 56.1 84.1    |
| 39 34.9     | 29.7 44.5    |







#57

1,3-Dichloropropane

Concen: 50.886 ug/l

RT: 10.719 min Scan# 1477

Delta R.T. -0.006 min

Lab File: VY020590.D

Acq: 12 Dec 2024 10:09

Instrument :

MSVOA\_Y

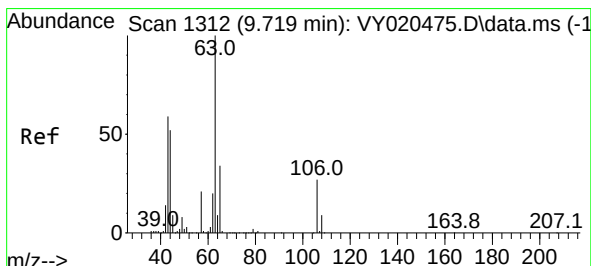
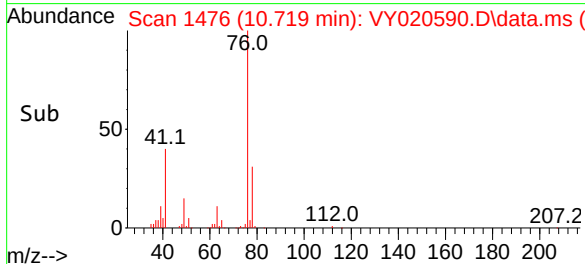
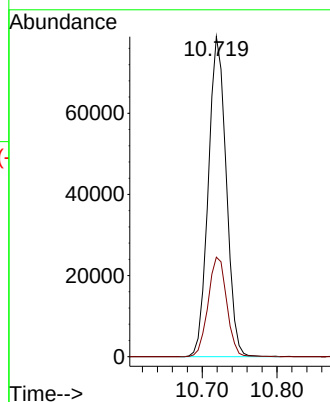
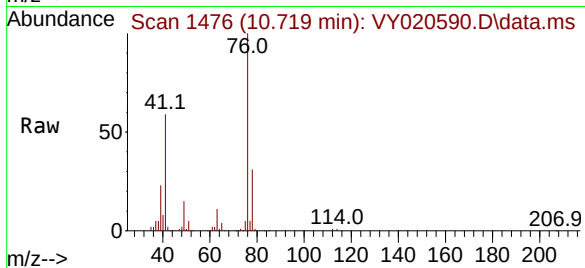
ClientSampleId :

Tgt Ion: 76 Resp: 131343

Ion Ratio Lower Upper

76 100

78 32.3 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 294.345 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. -0.006 min

Lab File: VY020590.D

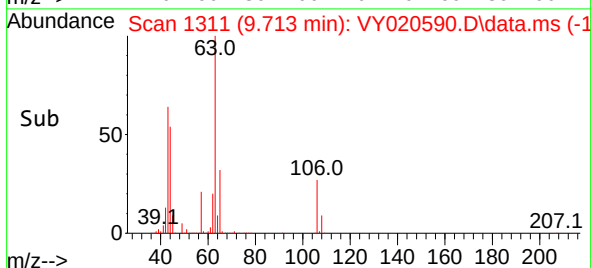
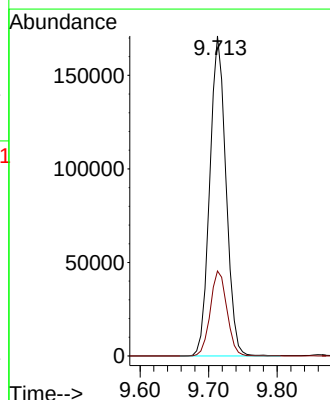
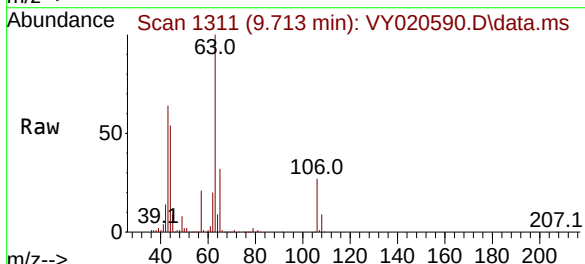
Acq: 12 Dec 2024 10:09

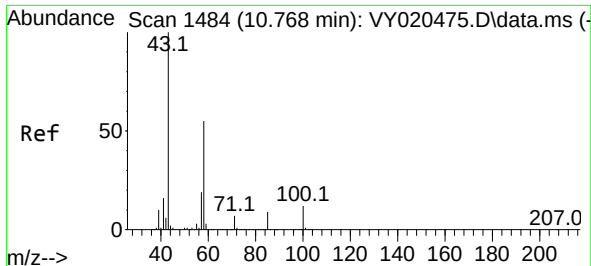
Tgt Ion: 63 Resp: 281073

Ion Ratio Lower Upper

63 100

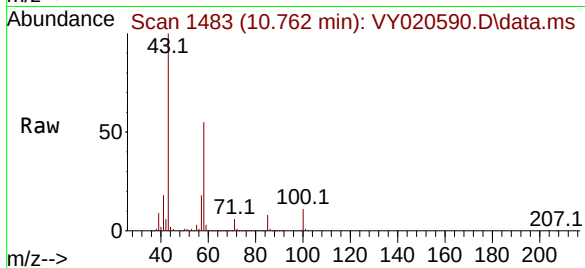
106 27.2 21.0 31.4



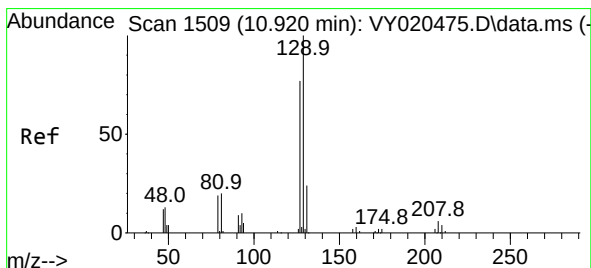
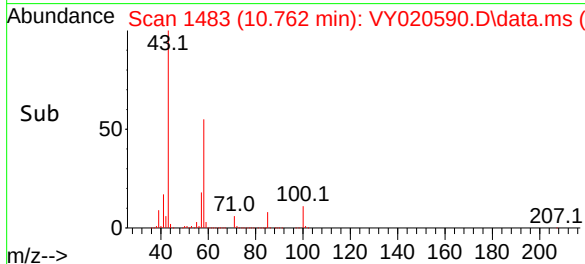
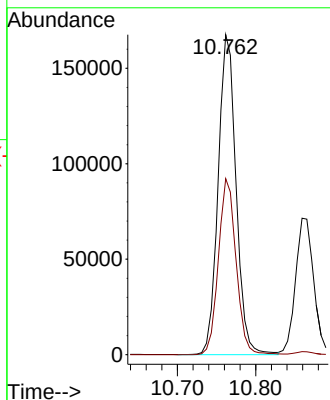


#59  
2-Hexanone  
Concen: 296.163 ug/l  
RT: 10.762 min Scan# 1483  
Delta R.T. -0.006 min  
Lab File: VY020590.D  
Acq: 12 Dec 2024 10:09

Instrument :  
MSVOA\_Y  
ClientSampleId :

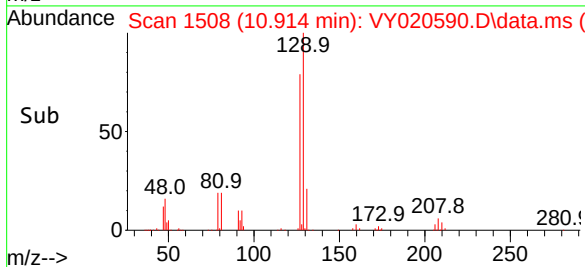
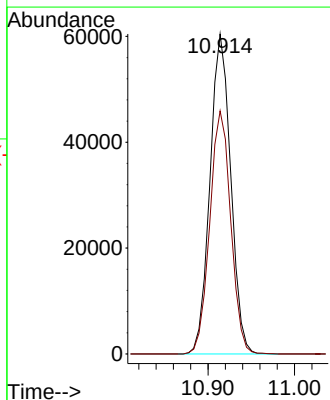
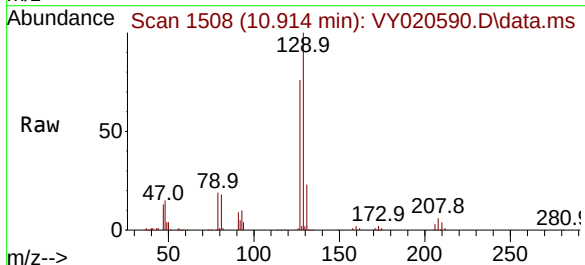


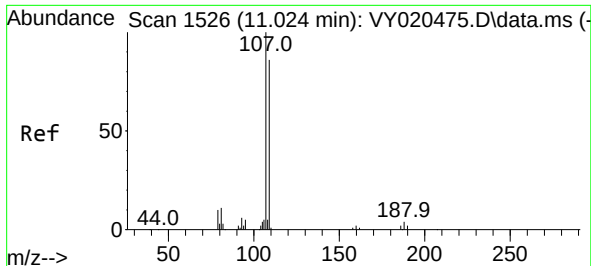
Tgt Ion: 43 Resp: 266997  
Ion Ratio Lower Upper  
43 100  
58 54.3 26.4 79.2



#60  
Dibromochloromethane  
Concen: 50.072 ug/l  
RT: 10.914 min Scan# 1508  
Delta R.T. -0.006 min  
Lab File: VY020590.D  
Acq: 12 Dec 2024 10:09

Tgt Ion: 129 Resp: 100483  
Ion Ratio Lower Upper  
129 100  
127 76.8 38.3 114.9

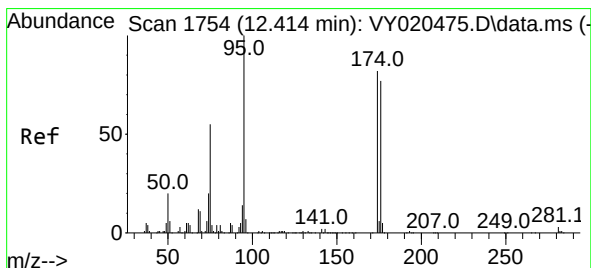
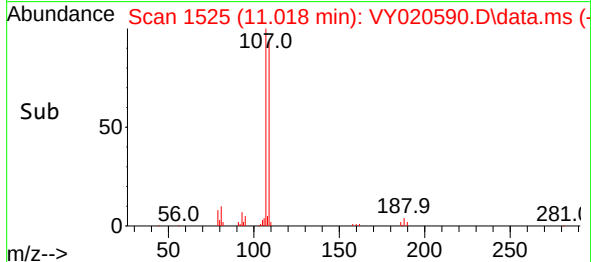
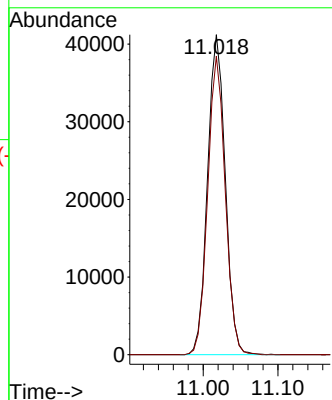
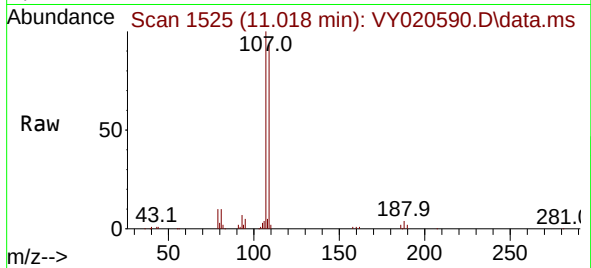




#61  
1,2-Dibromoethane  
Concen: 51.518 ug/l  
RT: 11.018 min Scan# 1525  
Delta R.T. -0.006 min  
Lab File: VY020590.D  
Acq: 12 Dec 2024 10:09

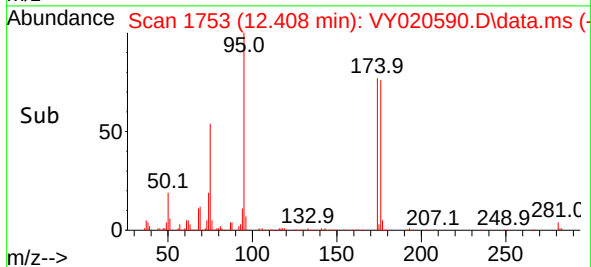
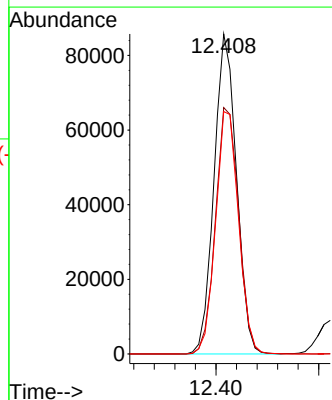
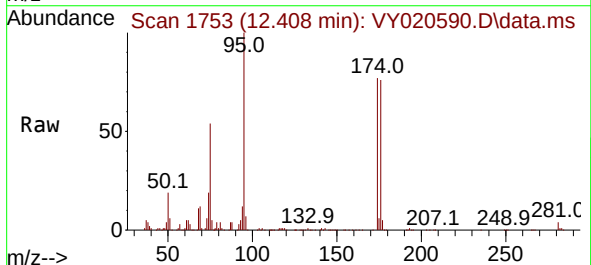
Instrument :  
MSVOA\_Y  
ClientSampleId :

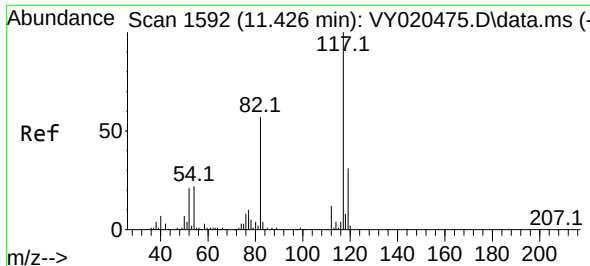
Tgt Ion:107 Resp: 67908  
Ion Ratio Lower Upper  
107 100  
109 92.4 74.6 111.8



#62  
4-Bromofluorobenzene  
Concen: 52.092 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. -0.006 min  
Lab File: VY020590.D  
Acq: 12 Dec 2024 10:09

Tgt Ion: 95 Resp: 129944  
Ion Ratio Lower Upper  
95 100  
174 79.9 0.0 156.8  
176 77.3 0.0 152.0

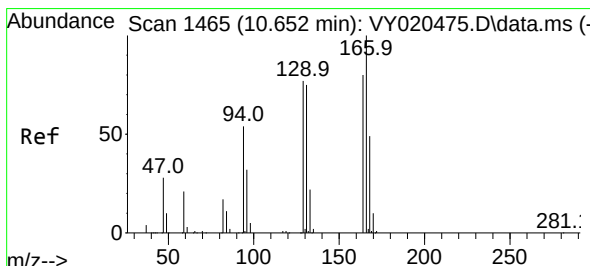
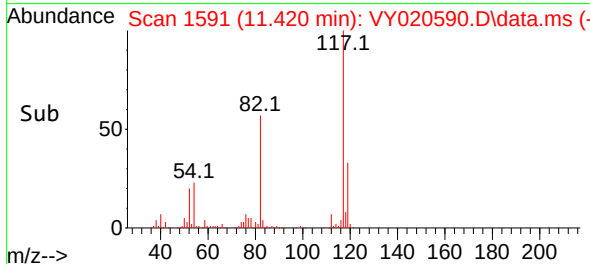
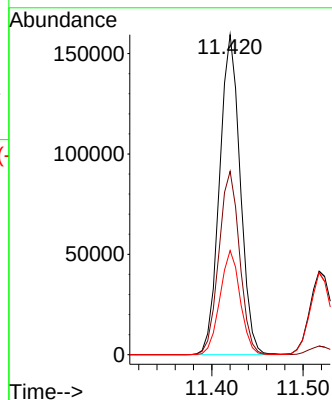
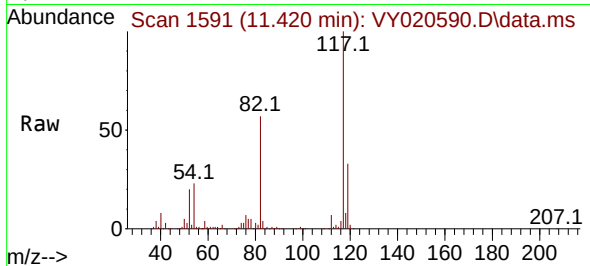




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.420 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY020590.D  
Acq: 12 Dec 2024 10:09

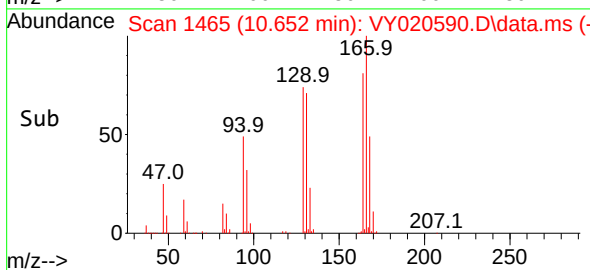
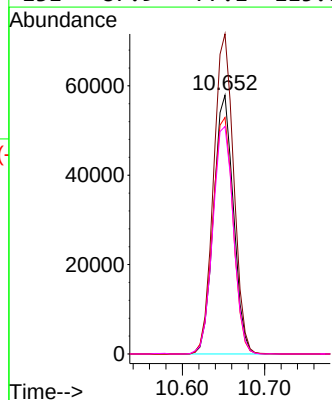
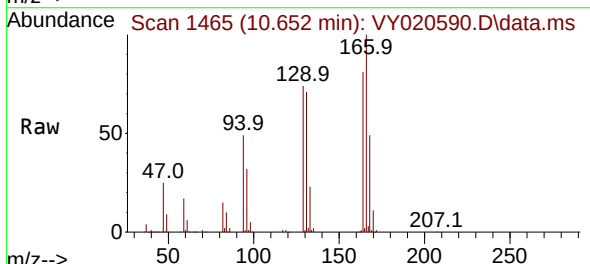
Instrument :  
MSVOA\_Y  
ClientSampleId :

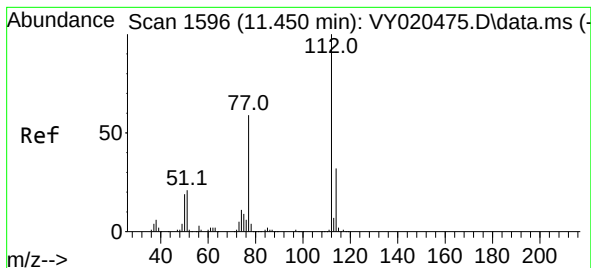
Tgt Ion:117 Resp: 250549  
Ion Ratio Lower Upper  
117 100  
82 57.3 48.2 72.4  
119 32.6 25.8 38.8



#64  
Tetrachloroethene  
Concen: 45.750 ug/l  
RT: 10.652 min Scan# 1465  
Delta R.T. -0.000 min  
Lab File: VY020590.D  
Acq: 12 Dec 2024 10:09

Tgt Ion:164 Resp: 96856  
Ion Ratio Lower Upper  
164 100  
166 123.7 103.8 155.8  
129 91.4 79.0 118.4  
131 87.9 77.1 115.7





#65

Chlorobenzene

Concen: 46.887 ug/l

RT: 11.444 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY020590.D

Acq: 12 Dec 2024 10:09

Instrument :

MSVOA\_Y

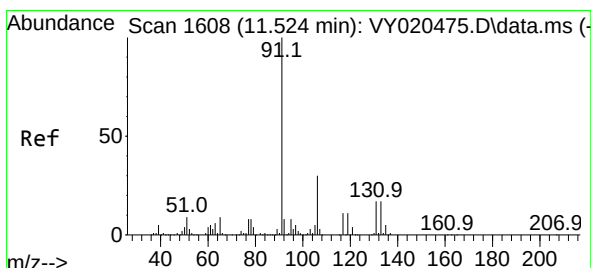
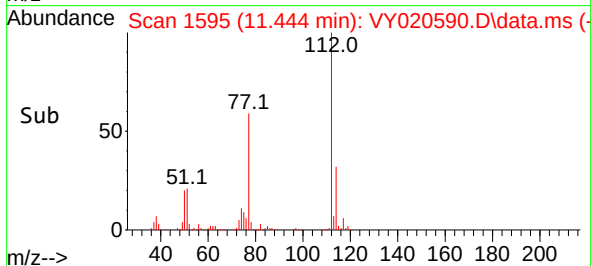
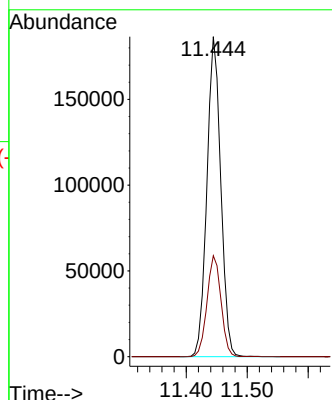
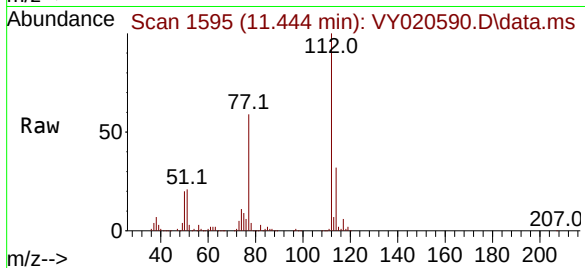
ClientSampleId :

Tgt Ion:112 Resp: 294458

Ion Ratio Lower Upper

112 100

114 31.5 25.7 38.5



#66

1,1,1,2-Tetrachloroethane

Concen: 46.866 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. -0.006 min

Lab File: VY020590.D

Acq: 12 Dec 2024 10:09

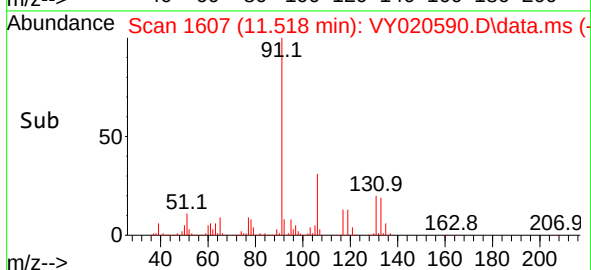
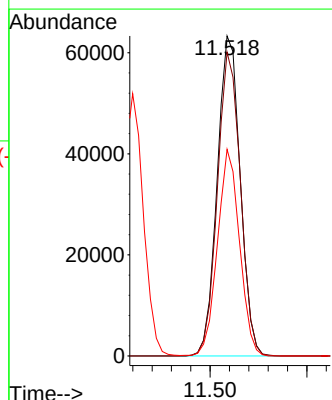
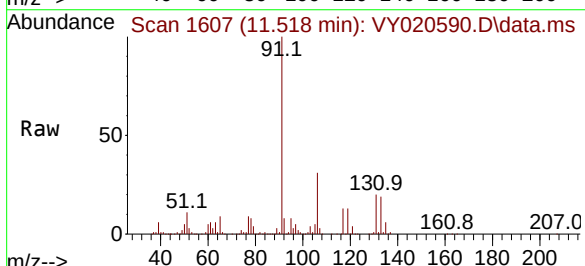
Tgt Ion:131 Resp: 104381

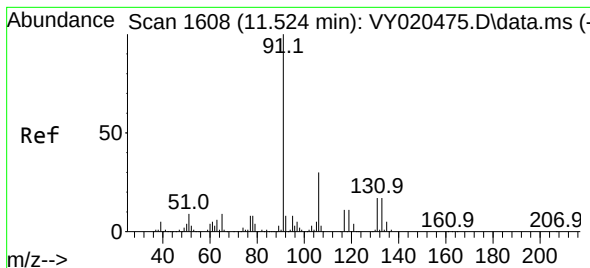
Ion Ratio Lower Upper

131 100

133 94.8 47.8 143.3

119 62.0 32.5 97.5

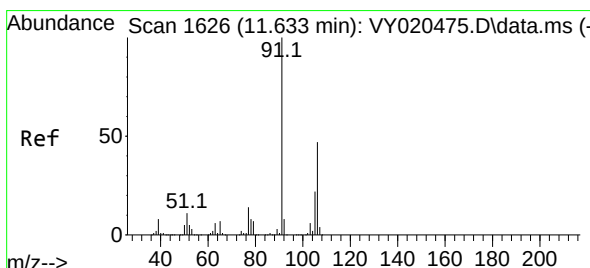
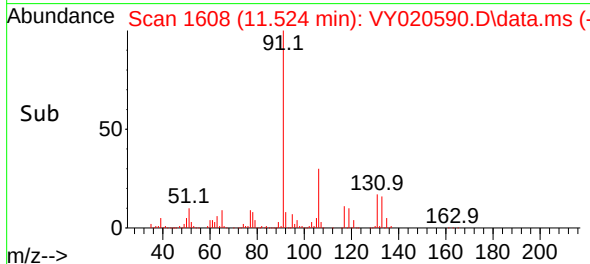
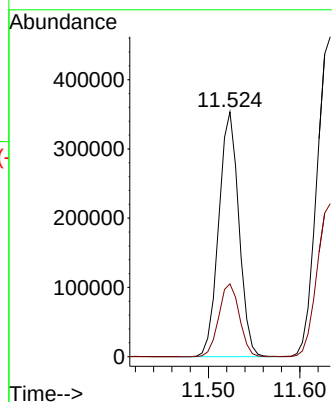
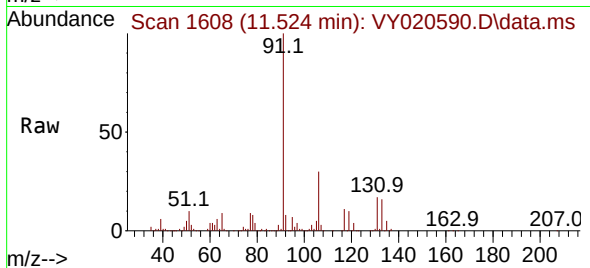




#67  
Ethyl Benzene  
Concen: 45.966 ug/l  
RT: 11.524 min Scan# 1608  
Delta R.T. -0.000 min  
Lab File: VY020590.D  
Acq: 12 Dec 2024 10:09

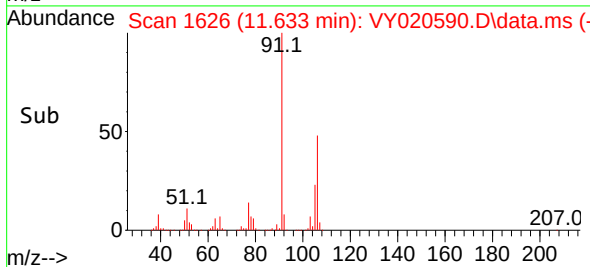
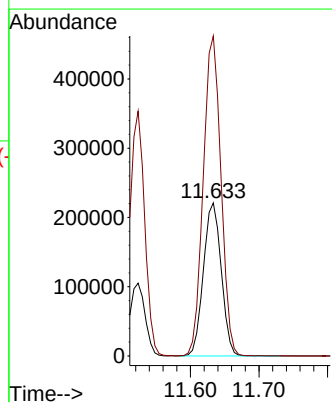
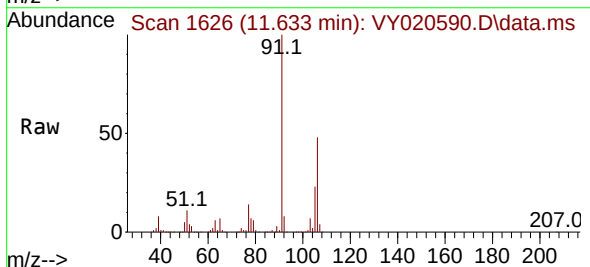
Instrument :  
MSVOA\_Y  
ClientSampleId :

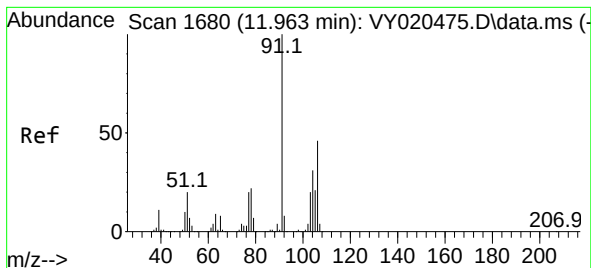
Tgt Ion: 91 Resp: 541089  
Ion Ratio Lower Upper  
91 100  
106 29.8 23.9 35.9



#68  
m/p-Xylenes  
Concen: 92.837 ug/l  
RT: 11.633 min Scan# 1626  
Delta R.T. -0.000 min  
Lab File: VY020590.D  
Acq: 12 Dec 2024 10:09

Tgt Ion:106 Resp: 400166  
Ion Ratio Lower Upper  
106 100  
91 207.6 166.0 249.0

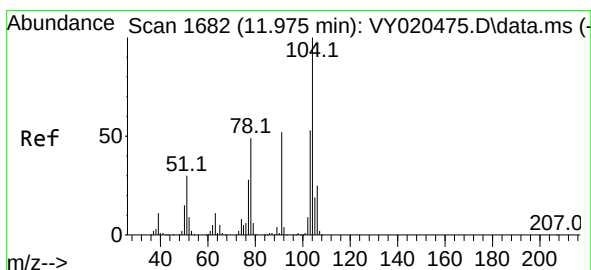
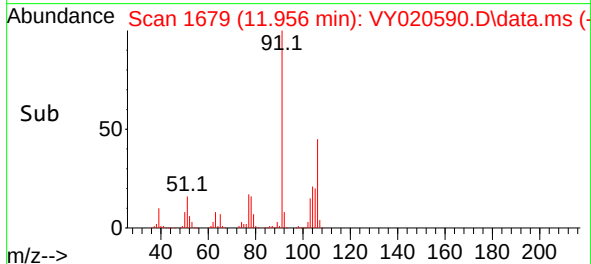
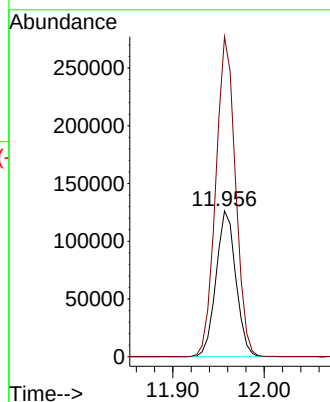
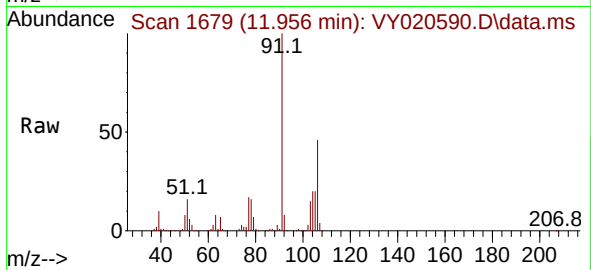




#69  
o-Xylene  
Concen: 47.009 ug/l  
RT: 11.956 min Scan# 1195  
Delta R.T. -0.006 min  
Lab File: VY020590.D  
Acq: 12 Dec 2024 10:09

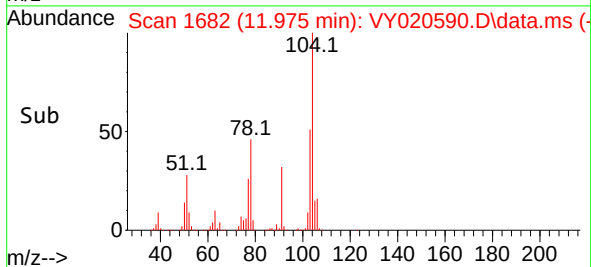
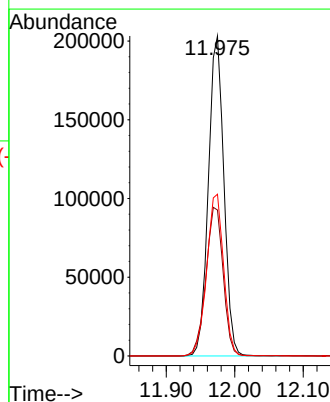
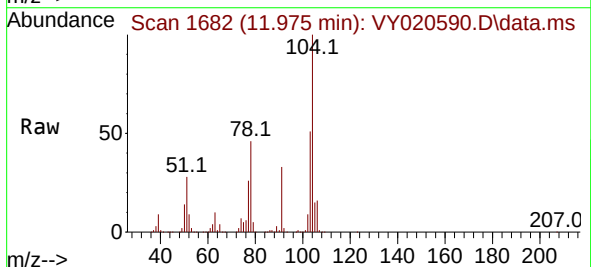
Instrument :  
MSVOA\_Y  
ClientSampleId :

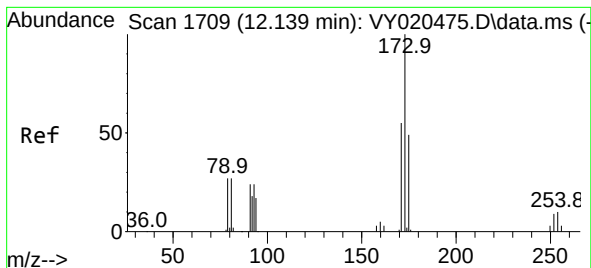
Tgt Ion:106 Resp: 189830  
Ion Ratio Lower Upper  
106 100  
91 219.0 110.0 330.0



#70  
Styrene  
Concen: 47.551 ug/l  
RT: 11.975 min Scan# 1682  
Delta R.T. -0.000 min  
Lab File: VY020590.D  
Acq: 12 Dec 2024 10:09

Tgt Ion:104 Resp: 320359  
Ion Ratio Lower Upper  
104 100  
78 51.9 41.4 62.2  
103 55.2 44.2 66.4





#71

Bromoform

Concen: 50.972 ug/l

RT: 12.133 min Scan# 1709

Delta R.T. -0.006 min

Lab File: VY020590.D

Acq: 12 Dec 2024 10:09

Instrument :

MSVOA\_Y

ClientSampleId :

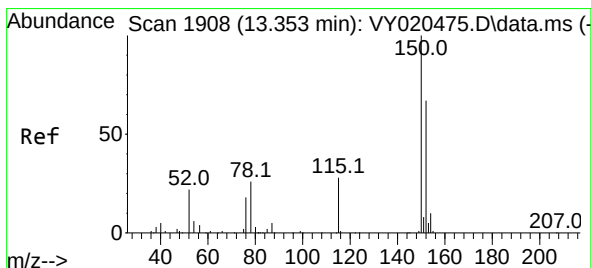
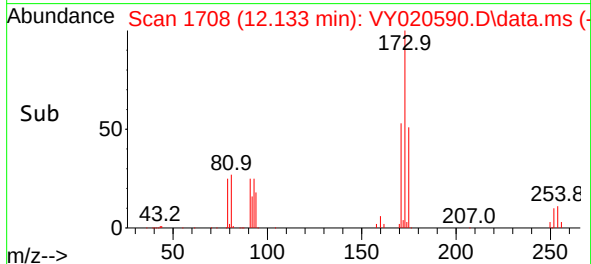
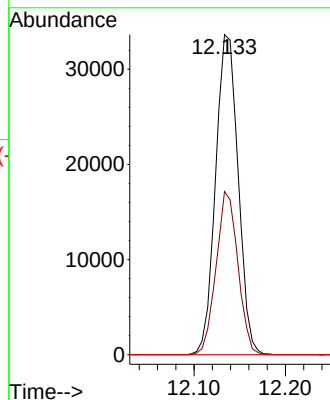
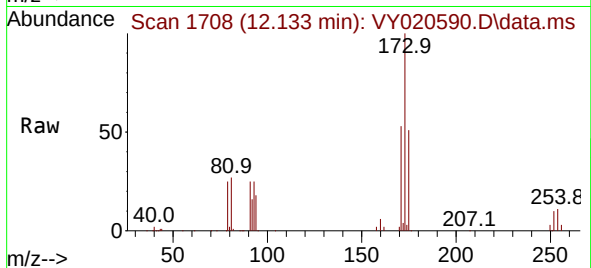
Tgt Ion:173 Resp: 57719

Ion Ratio Lower Upper

173 100

175 49.2 24.3 73.0

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. -0.000 min

Lab File: VY020590.D

Acq: 12 Dec 2024 10:09

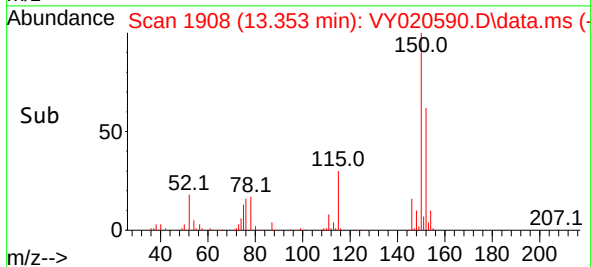
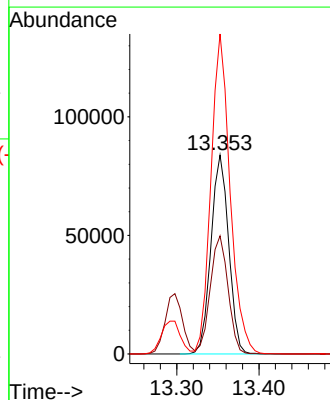
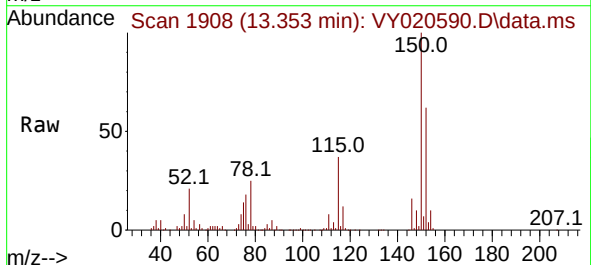
Tgt Ion:152 Resp: 125539

Ion Ratio Lower Upper

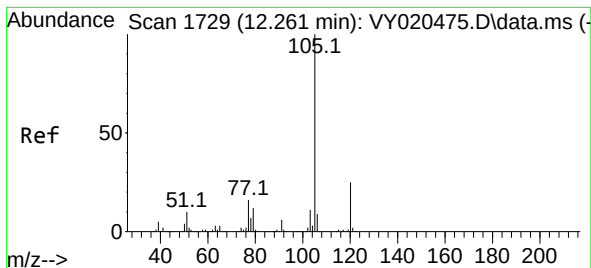
152 100

115 59.6 30.0 90.0

150 174.1 0.0 348.2







#73

Isopropylbenzene

Concen: 42.890 ug/l

RT: 12.261 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY020590.D

Acq: 12 Dec 2024 10:09

Instrument :

MSVOA\_Y

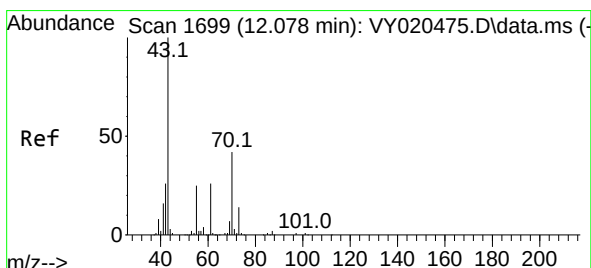
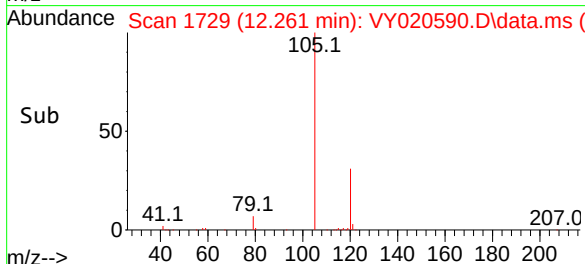
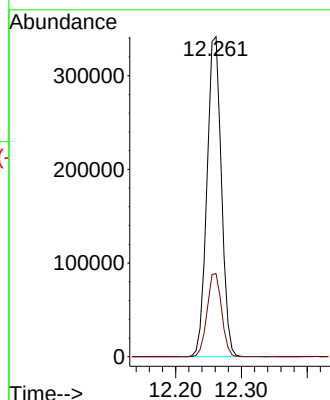
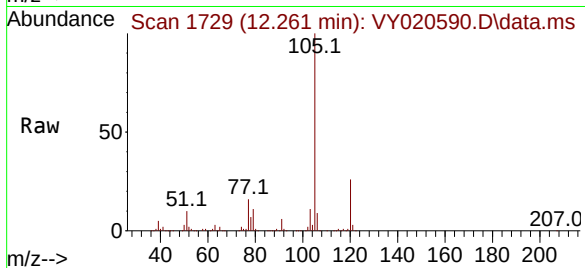
ClientSampleId :

Tgt Ion:105 Resp: 520971

Ion Ratio Lower Upper

105 100

120 26.2 12.7 38.1



#74

N-ethyl acetate

Concen: 51.588 ug/l

RT: 12.072 min Scan# 1698

Delta R.T. -0.006 min

Lab File: VY020590.D

Acq: 12 Dec 2024 10:09

Tgt Ion: 43 Resp: 122815

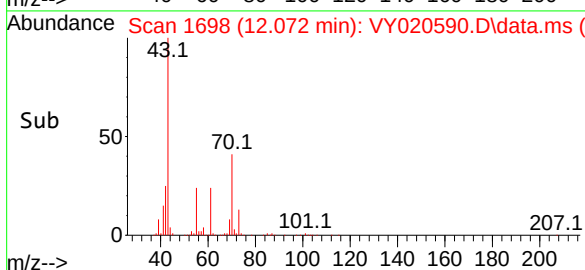
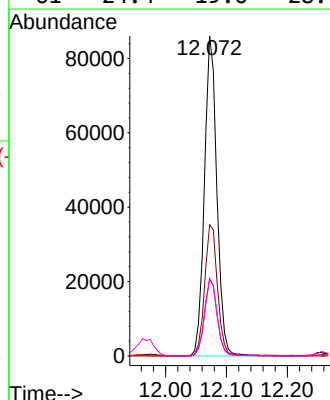
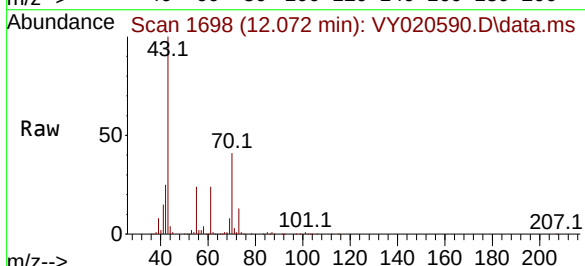
Ion Ratio Lower Upper

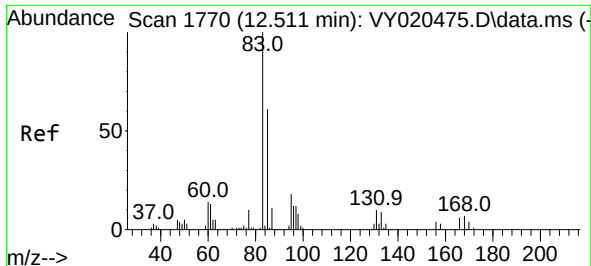
43 100

70 42.1 32.9 49.3

55 24.7 19.3 28.9

61 24.4 19.0 28.4

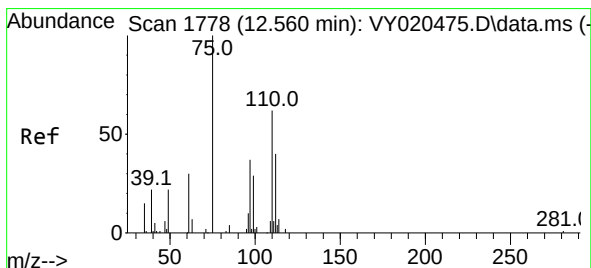
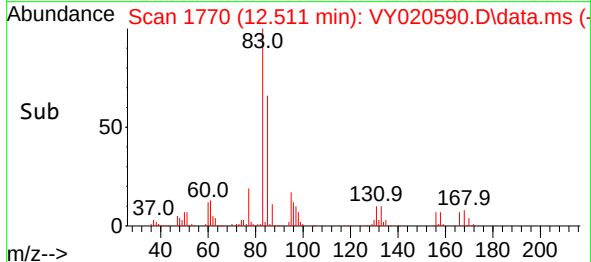
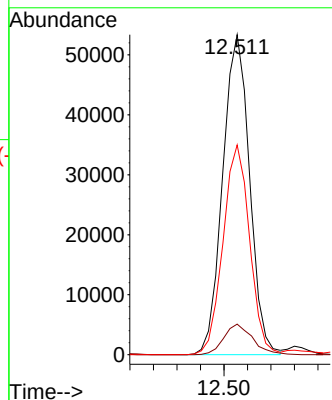
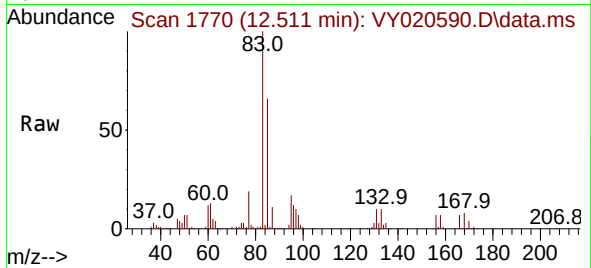




#75  
1,1,2-Tetrachloroethane  
Concen: 48.526 ug/l  
RT: 12.511 min Scan# 1770  
Delta R.T. -0.000 min  
Lab File: VY020590.D  
Acq: 12 Dec 2024 10:09

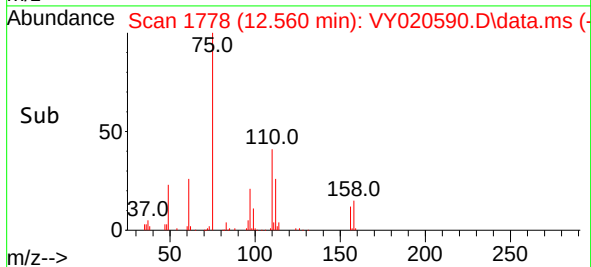
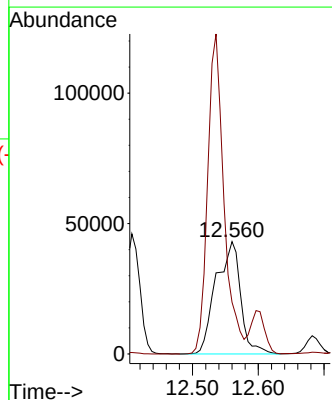
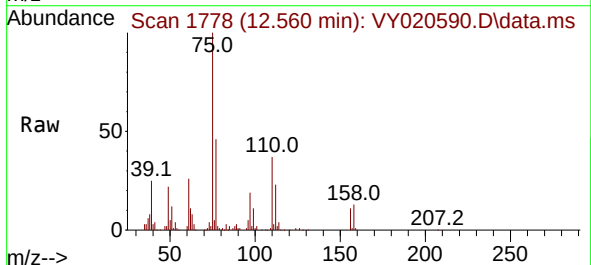
Instrument :  
MSVOA\_Y  
ClientSampleId :

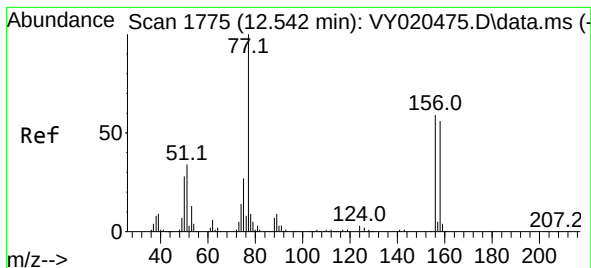
Tgt Ion: 83 Resp: 84764  
Ion Ratio Lower Upper  
83 100  
131 10.3 4.8 14.4  
85 64.8 32.0 96.0



#76  
1,2,3-Trichloropropane  
Concen: 87.964 ug/l  
RT: 12.560 min Scan# 1778  
Delta R.T. -0.000 min  
Lab File: VY020590.D  
Acq: 12 Dec 2024 10:09

Tgt Ion: 75 Resp: 112492  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 44.578 ug/l

RT: 12.536 min Scan# 1774

Delta R.T. -0.006 min

Lab File: VY020590.D

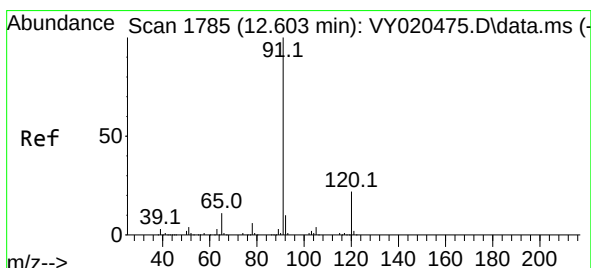
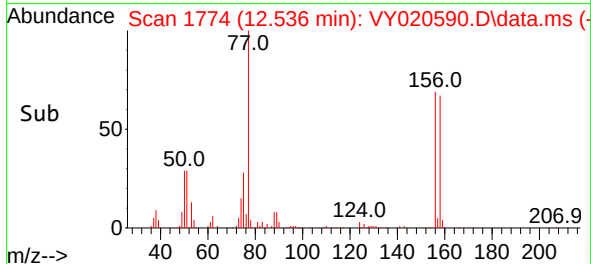
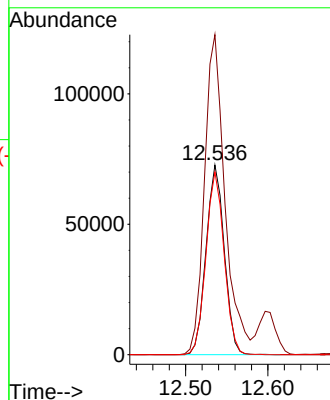
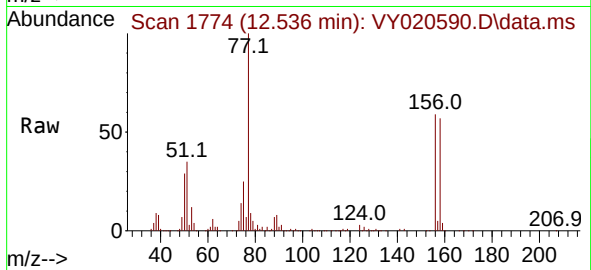
Acq: 12 Dec 2024 10:09

Instrument :

MSVOA\_Y

ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 156   | Resp: | 112133 |
| Ion      | Ratio | Lower | Upper  |
| 156      | 100   |       |        |
| 77       | 189.2 | 97.2  | 291.6  |
| 158      | 96.3  | 47.8  | 143.4  |



#78

n-propylbenzene

Concen: 43.484 ug/l

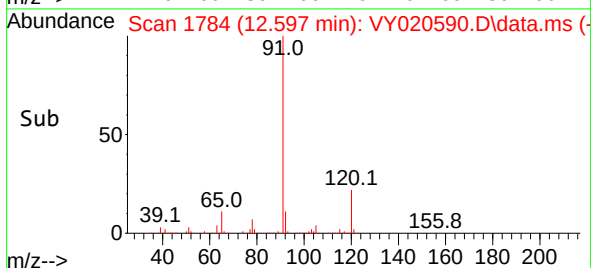
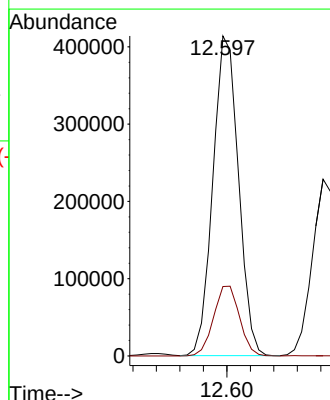
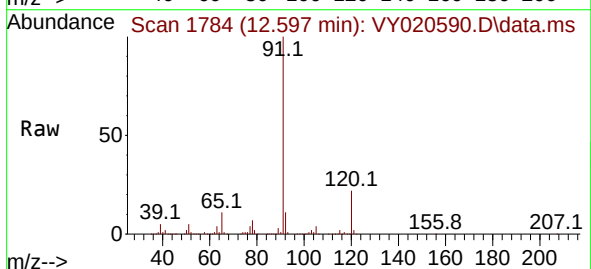
RT: 12.597 min Scan# 1784

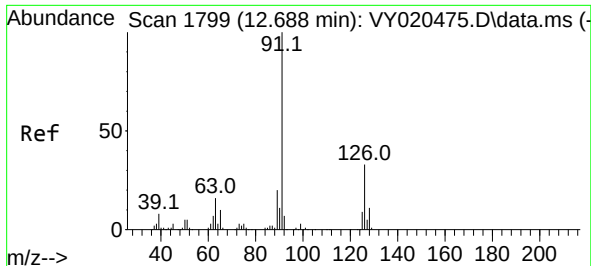
Delta R.T. -0.006 min

Lab File: VY020590.D

Acq: 12 Dec 2024 10:09

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 625349 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 120      | 22.1  | 10.9  | 32.6   |





#79

2-Chlorotoluene

Concen: 43.670 ug/l

RT: 12.682 min Scan# 1799

Delta R.T. -0.006 min

Lab File: VY020590.D

Acq: 12 Dec 2024 10:09

Instrument :

MSVOA\_Y

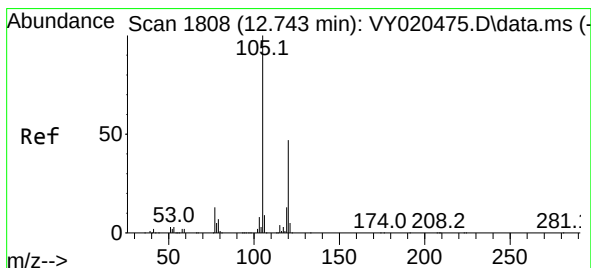
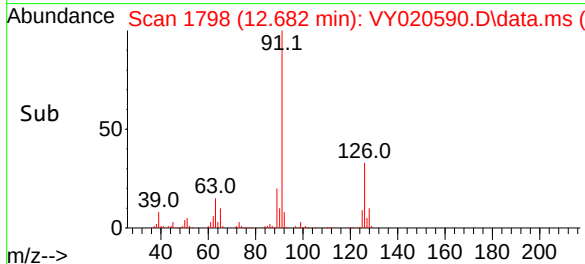
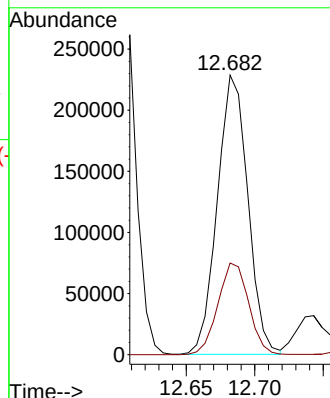
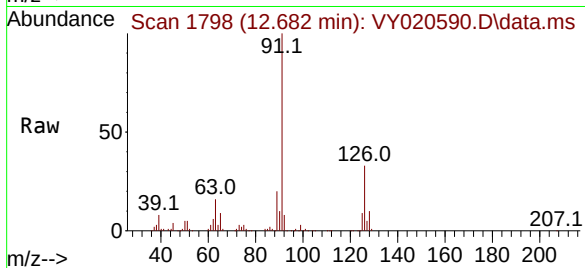
ClientSampleId :

Tgt Ion: 91 Resp: 354377

Ion Ratio Lower Upper

91 100

126 33.1 16.4 49.1



#80

1,3,5-Trimethylbenzene

Concen: 43.500 ug/l

RT: 12.743 min Scan# 1808

Delta R.T. -0.000 min

Lab File: VY020590.D

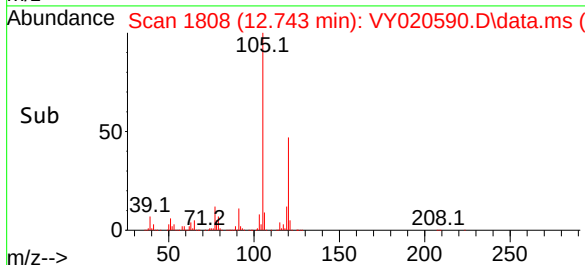
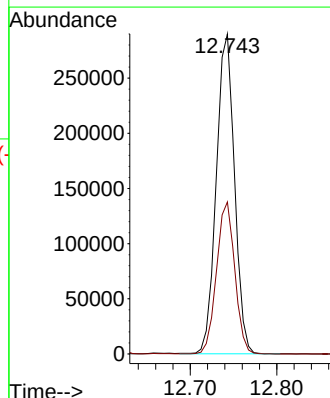
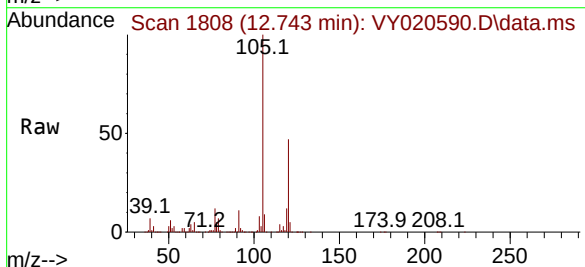
Acq: 12 Dec 2024 10:09

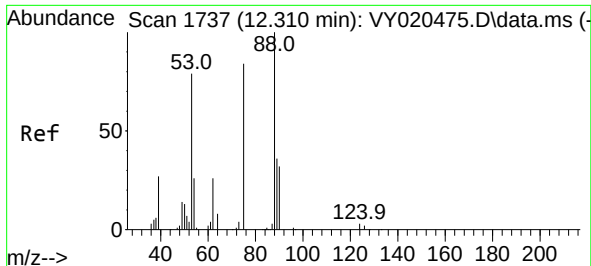
Tgt Ion:105 Resp: 423423

Ion Ratio Lower Upper

105 100

120 47.6 24.3 72.8

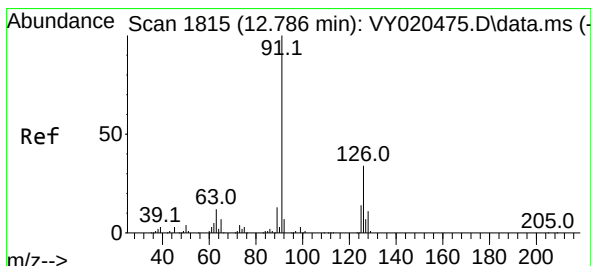
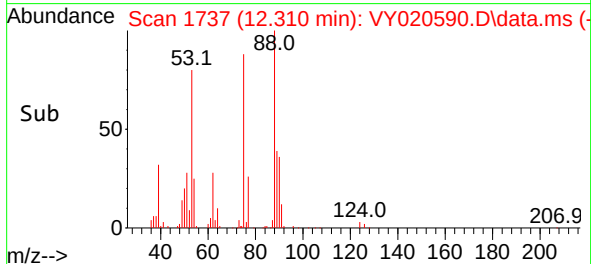
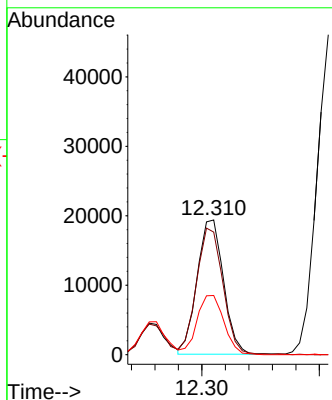
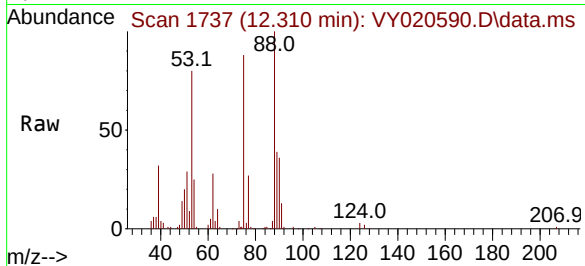




#81  
trans-1,4-Dichloro-2-butene  
Concen: 48.443 ug/l  
RT: 12.310 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY020590.D  
Acq: 12 Dec 2024 10:09

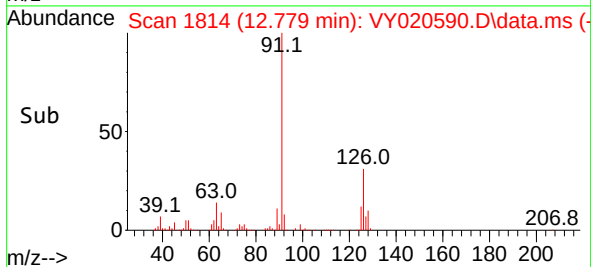
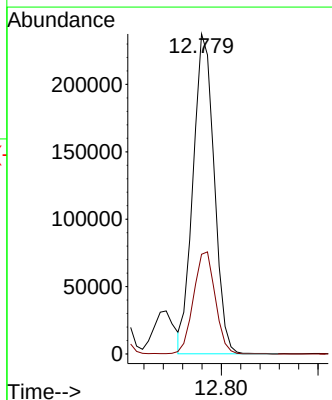
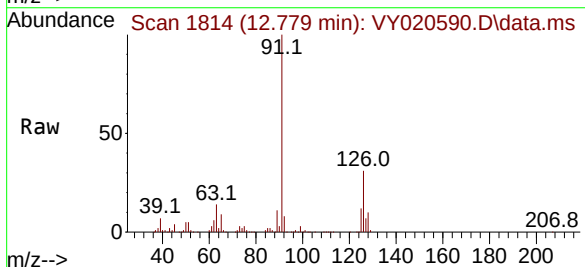
Instrument :  
MSVOA\_Y  
ClientSampleId :

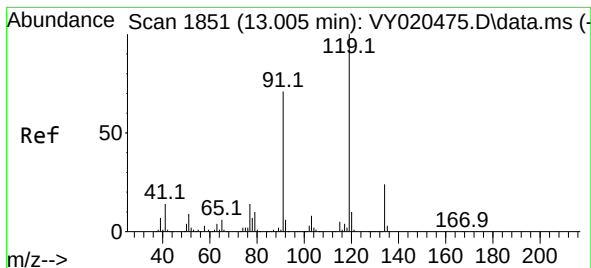
Tgt Ion: 75 Resp: 30193  
Ion Ratio Lower Upper  
75 100  
53 95.1 81.1 121.7  
89 45.0 35.1 52.7



#82  
4-Chlorotoluene  
Concen: 43.453 ug/l  
RT: 12.779 min Scan# 1814  
Delta R.T. -0.006 min  
Lab File: VY020590.D  
Acq: 12 Dec 2024 10:09

Tgt Ion: 91 Resp: 359839  
Ion Ratio Lower Upper  
91 100  
126 33.0 16.6 49.8





#83

tert-Butylbenzene

Concen: 44.452 ug/l

RT: 13.005 min Scan# 1851

Delta R.T. -0.000 min

Lab File: VY020590.D

Acq: 12 Dec 2024 10:09

Instrument :

MSVOA\_Y

ClientSampleId :

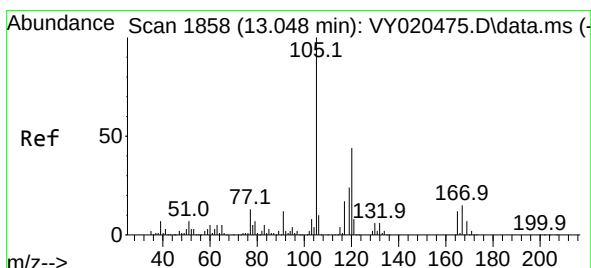
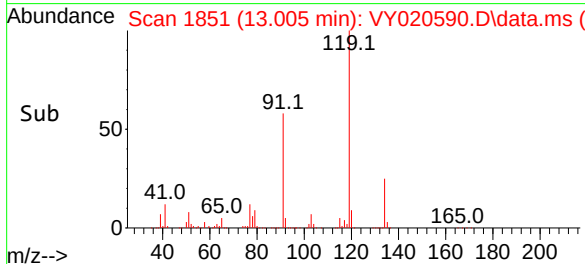
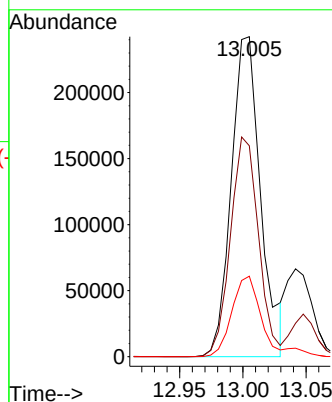
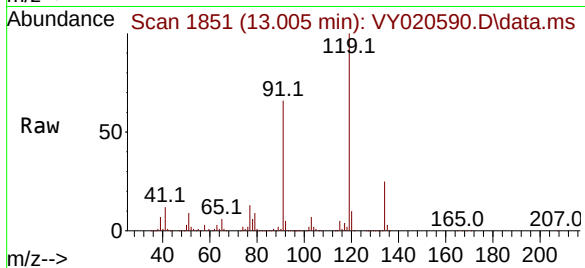
Tgt Ion:119 Resp: 391198

Ion Ratio Lower Upper

119 100

91 65.8 33.3 99.9

134 26.1 13.0 38.9



#84

1,2,4-Trimethylbenzene

Concen: 43.834 ug/l

RT: 13.048 min Scan# 1858

Delta R.T. -0.000 min

Lab File: VY020590.D

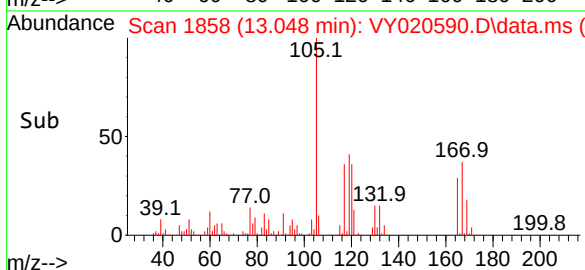
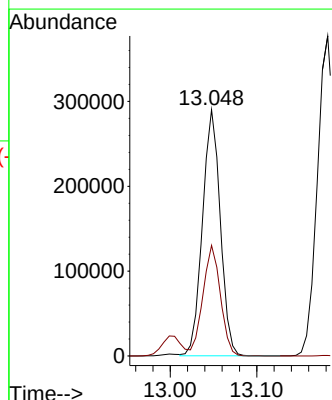
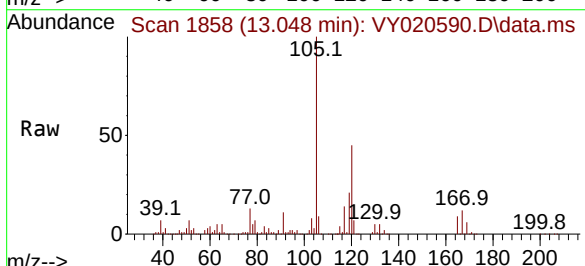
Acq: 12 Dec 2024 10:09

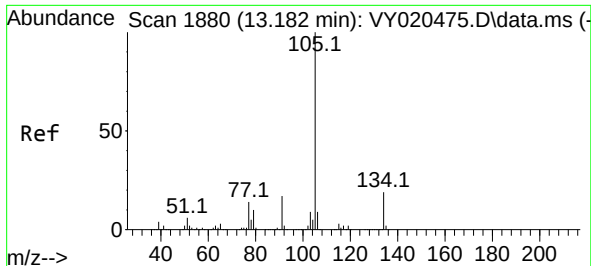
Tgt Ion:105 Resp: 414710

Ion Ratio Lower Upper

105 100

120 43.9 22.0 66.0

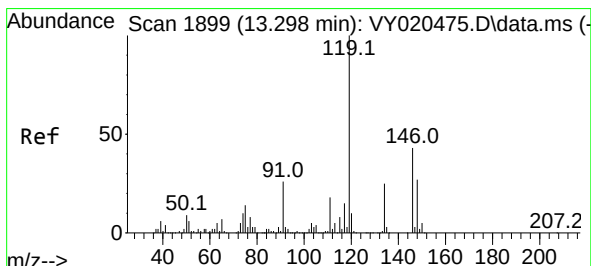
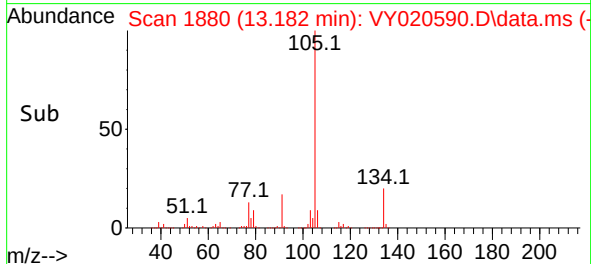
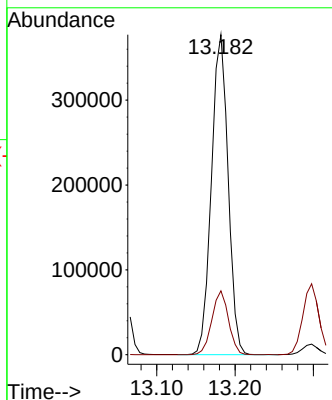
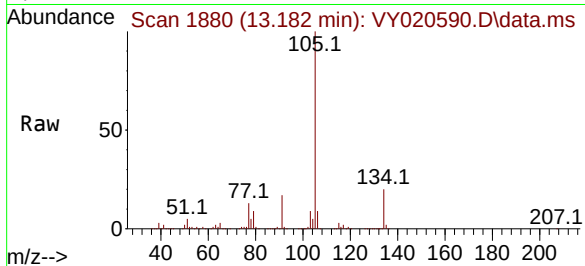




#85  
 sec-Butylbenzene  
 Concen: 44.198 ug/l  
 RT: 13.182 min Scan# 1880  
 Delta R.T. -0.000 min  
 Lab File: VY020590.D  
 Acq: 12 Dec 2024 10:09

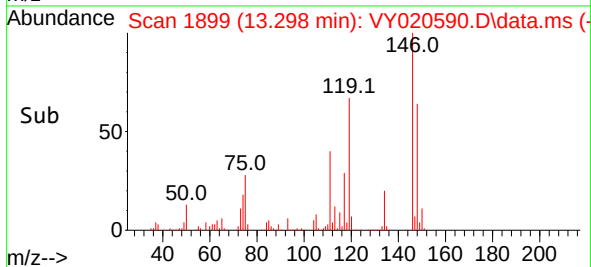
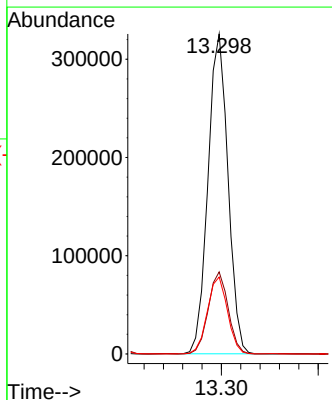
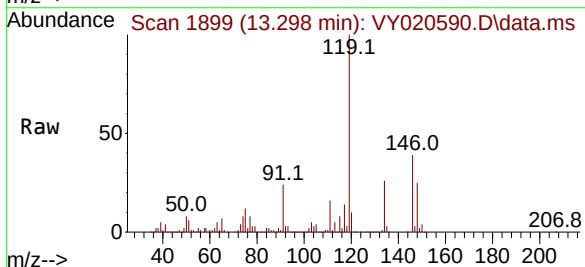
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

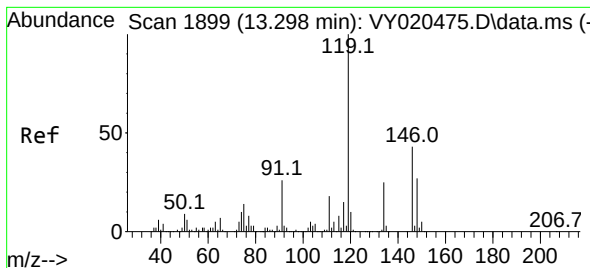
Tgt Ion:105 Resp: 557431  
 Ion Ratio Lower Upper  
 105 100  
 134 19.9 9.8 29.5



#86  
 p-Isopropyltoluene  
 Concen: 44.795 ug/l  
 RT: 13.298 min Scan# 1899  
 Delta R.T. -0.000 min  
 Lab File: VY020590.D  
 Acq: 12 Dec 2024 10:09

Tgt Ion:119 Resp: 466863  
 Ion Ratio Lower Upper  
 119 100  
 134 25.6 12.8 38.4  
 91 24.1 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 45.523 ug/l

RT: 13.292 min Scan# 1899

Delta R.T. -0.006 min

Lab File: VY020590.D

Acq: 12 Dec 2024 10:09

Instrument :

MSVOA\_Y

ClientSampleId :

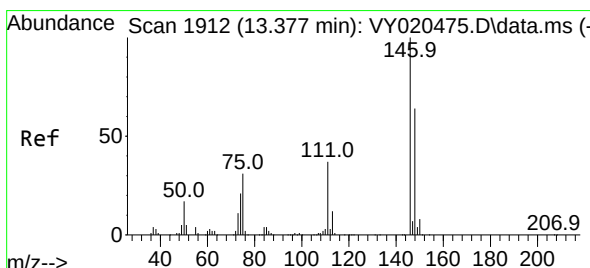
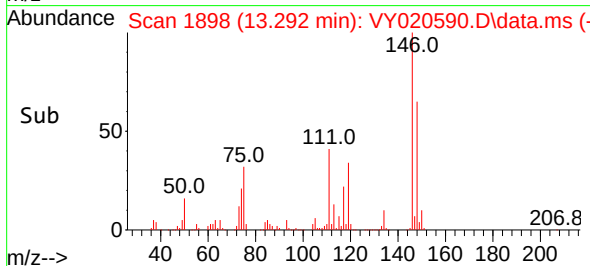
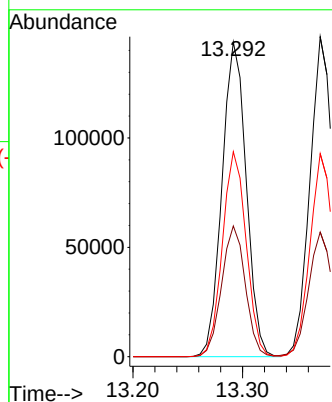
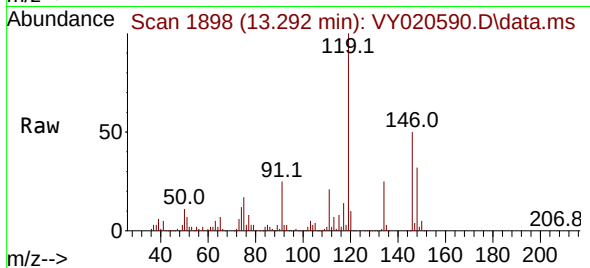
Tgt Ion:146 Resp: 220837

Ion Ratio Lower Upper

146 100

111 40.6 20.5 61.6

148 63.9 32.1 96.5



#88

1,4-Dichlorobenzene

Concen: 45.901 ug/l

RT: 13.371 min Scan# 1911

Delta R.T. -0.006 min

Lab File: VY020590.D

Acq: 12 Dec 2024 10:09

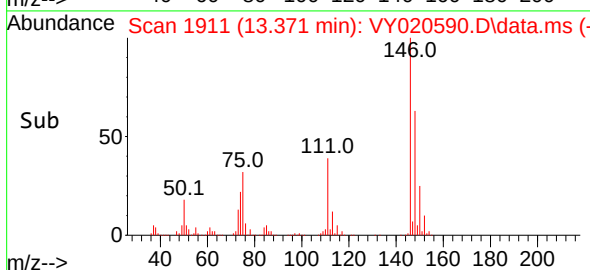
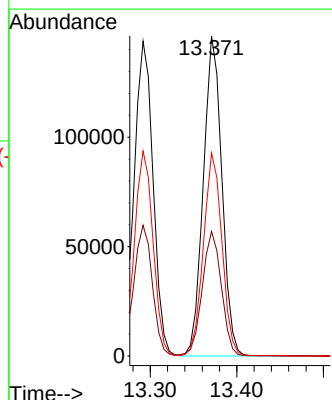
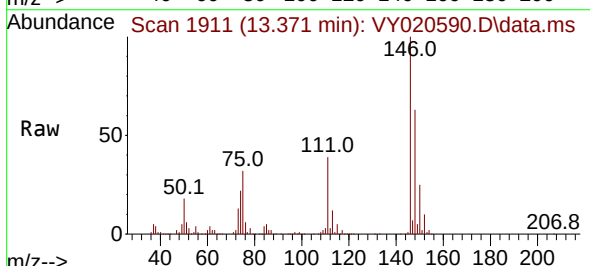
Tgt Ion:146 Resp: 217989

Ion Ratio Lower Upper

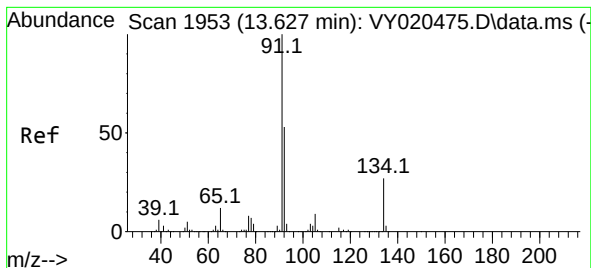
146 100

111 40.0 19.9 59.6

148 63.4 32.0 96.2







#89

n-Butylbenzene

Concen: 46.160 ug/l

RT: 13.621 min Scan# 1953

Delta R.T. -0.006 min

Lab File: VY020590.D

Acq: 12 Dec 2024 10:09

Instrument :

MSVOA\_Y

ClientSampleId :

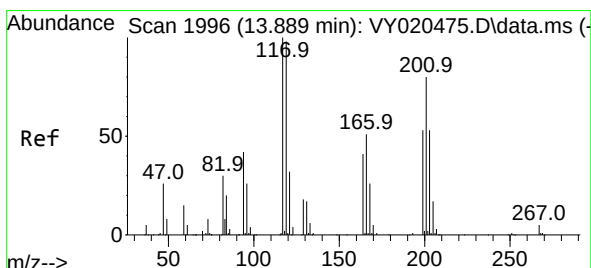
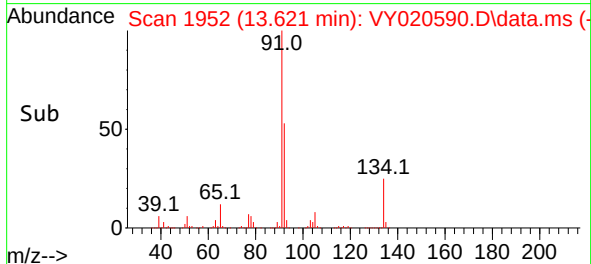
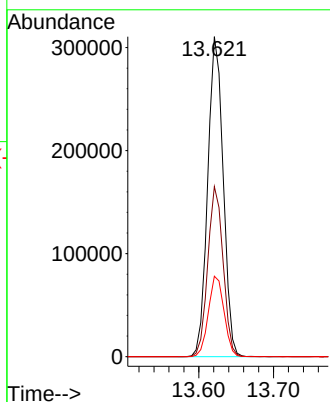
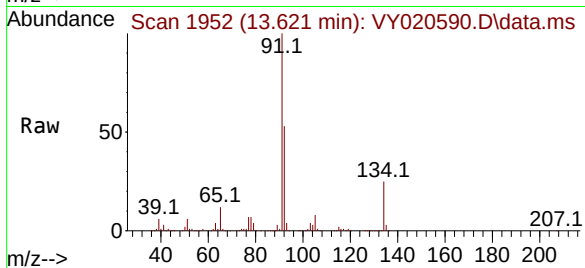
Tgt Ion: 91 Resp: 446199

Ion Ratio Lower Upper

91 100

92 52.6 26.5 79.5

134 25.5 12.2 36.4



#90

Hexachloroethane

Concen: 45.158 ug/l

RT: 13.883 min Scan# 1995

Delta R.T. -0.006 min

Lab File: VY020590.D

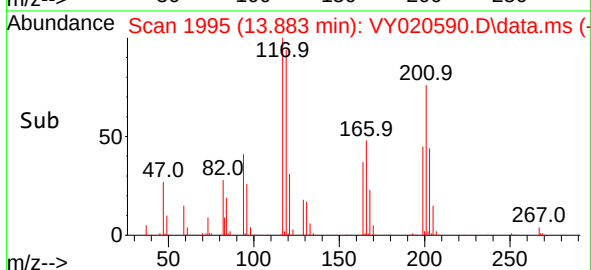
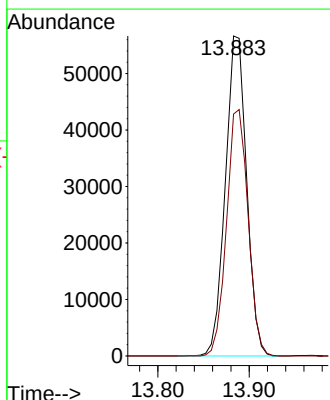
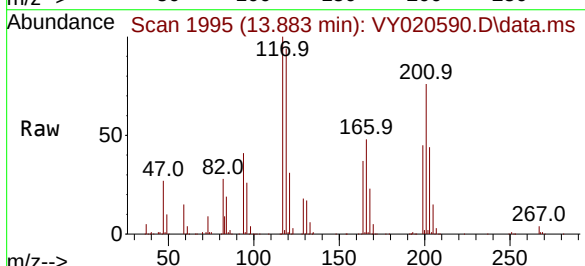
Acq: 12 Dec 2024 10:09

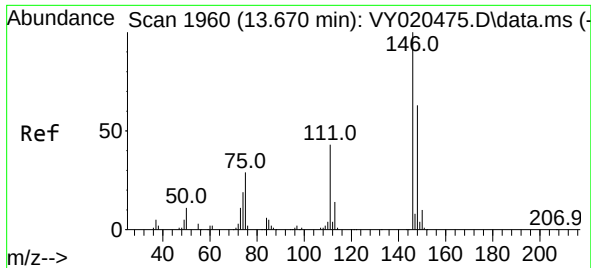
Tgt Ion: 117 Resp: 91722

Ion Ratio Lower Upper

117 100

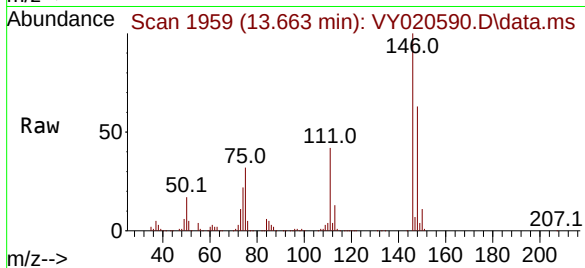
201 77.9 37.1 111.3



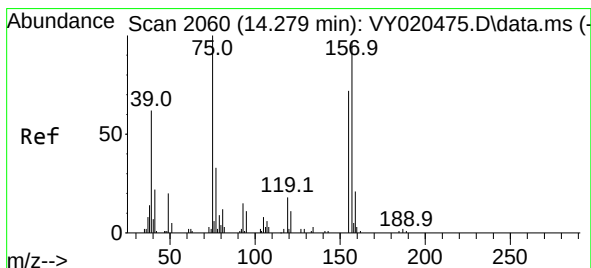
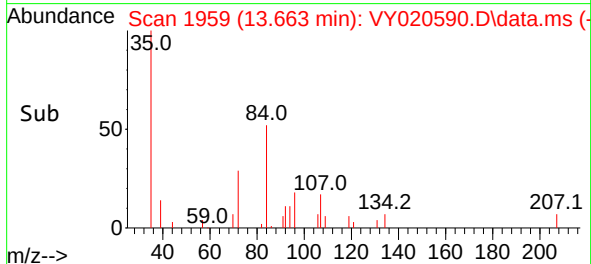
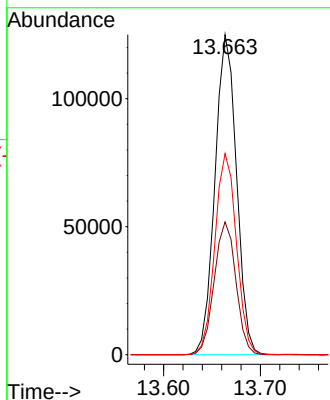


#91  
1,2-Dichlorobenzene  
Concen: 47.037 ug/l  
RT: 13.663 min Scan# 1959  
Delta R.T. -0.006 min  
Lab File: VY020590.D  
Acq: 12 Dec 2024 10:09

Instrument :  
MSVOA\_Y  
ClientSampleId :

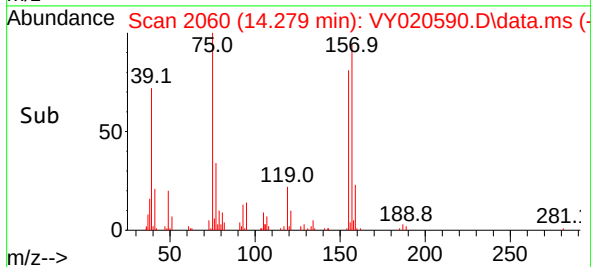
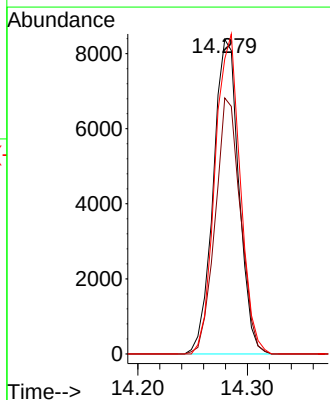
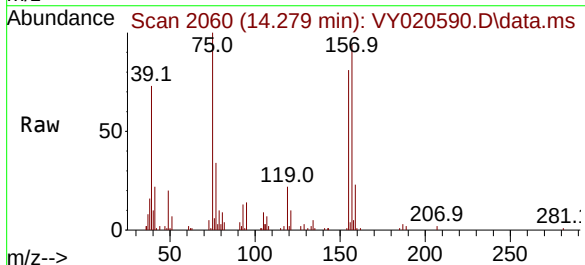


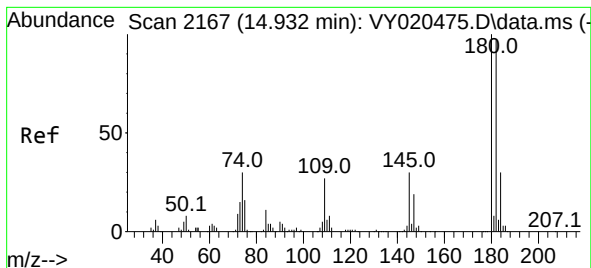
Tgt Ion:146 Resp: 193506  
Ion Ratio Lower Upper  
146 100  
111 41.8 20.8 62.5  
148 63.1 31.8 95.4



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 51.240 ug/l  
RT: 14.279 min Scan# 2060  
Delta R.T. -0.000 min  
Lab File: VY020590.D  
Acq: 12 Dec 2024 10:09

Tgt Ion: 75 Resp: 13550  
Ion Ratio Lower Upper  
75 100  
155 80.3 39.7 119.1  
157 100.3 52.6 157.8





#93

1,2,4-Trichlorobenzene

Concen: 51.650 ug/l

RT: 14.925 min Scan# 2166

Delta R.T. -0.006 min

Lab File: VY020590.D

Acq: 12 Dec 2024 10:09

Instrument :

MSVOA\_Y

ClientSampleId :

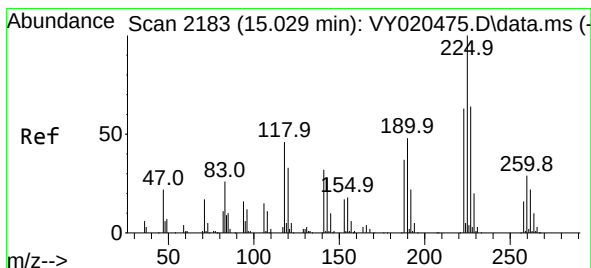
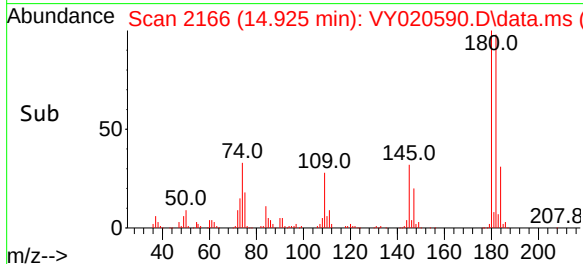
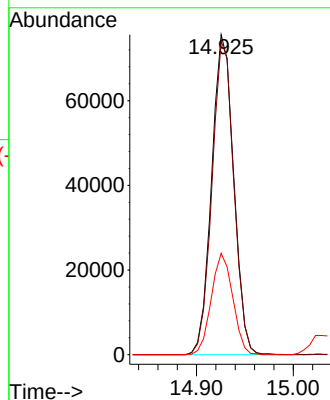
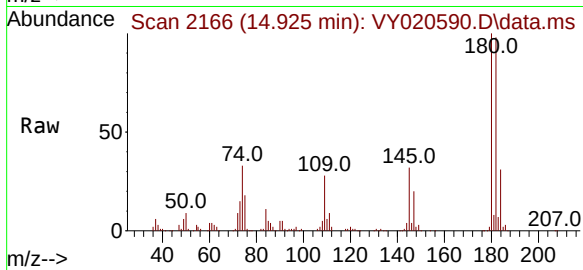
Tgt Ion:180 Resp: 119482

Ion Ratio Lower Upper

180 100

182 96.8 47.6 142.8

145 30.8 15.8 47.3



#94

Hexachlorobutadiene

Concen: 49.428 ug/l

RT: 15.029 min Scan# 2183

Delta R.T. -0.000 min

Lab File: VY020590.D

Acq: 12 Dec 2024 10:09

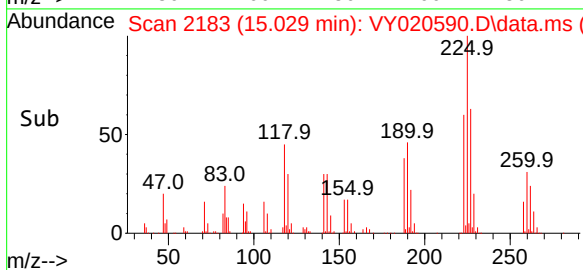
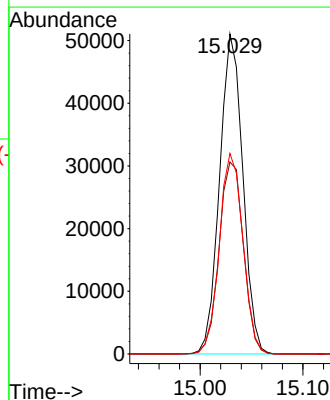
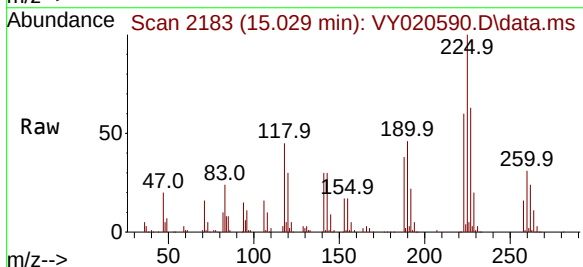
Tgt Ion:225 Resp: 79992

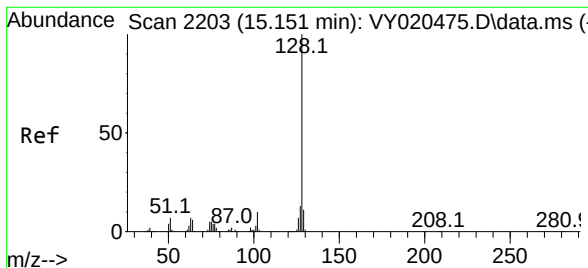
Ion Ratio Lower Upper

225 100

223 62.7 31.9 95.5

227 63.7 32.3 96.8





#95

Naphthalene

Concen: 55.426 ug/l

RT: 15.151 min Scan# 2203

Delta R.T. -0.000 min

Lab File: VY020590.D

Acq: 12 Dec 2024 10:09

Instrument :

MSVOA\_Y

ClientSampleId :

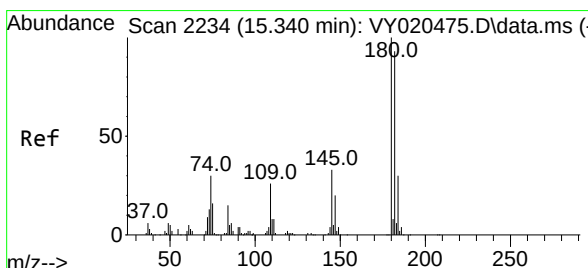
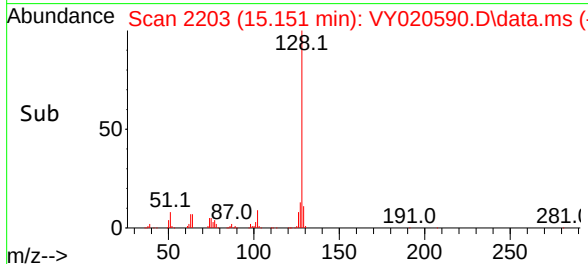
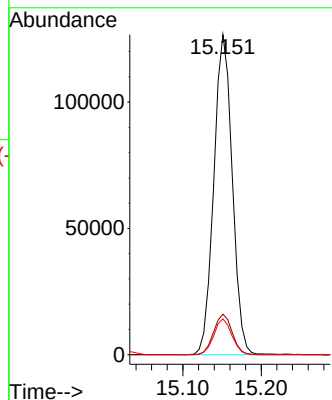
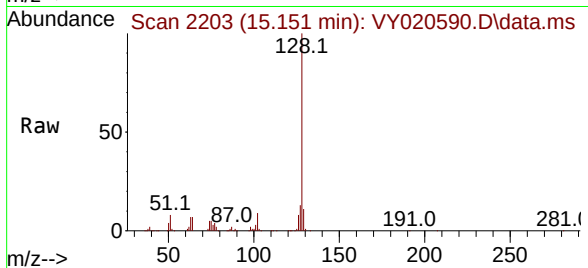
Tgt Ion:128 Resp: 207482

Ion Ratio Lower Upper

128 100

127 12.6 10.5 15.7

129 10.9 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 54.217 ug/l

RT: 15.334 min Scan# 2233

Delta R.T. -0.006 min

Lab File: VY020590.D

Acq: 12 Dec 2024 10:09

Tgt Ion:180 Resp: 101201

Ion Ratio Lower Upper

180 100

182 95.9 47.4 142.3

145 32.6 16.9 50.6

