

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY122324\  
 Data File : VY020684.D  
 Acq On : 23 Dec 2024 11:30  
 Operator : SY/MD  
 Sample : VSTDICC005  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDICC005

Quant Time: Dec 23 14:02:53 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y122324S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Dec 23 14:02:50 2024  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 7.725  | 168   | 114649   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.628  | 114   | 164576   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.426 | 117   | 134316   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.358 | 152   | 63466    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.073  | 65    | 2518     | 2.480    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 50 - 163 | Recovery | =      | 4.960%#  |
| 35) Dibromofluoromethane     | 7.652  | 113   | 2475     | 2.561    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 54 - 147 | Recovery | =      | 5.120%#  |
| 50) Toluene-d8               | 10.121 | 98    | 8008     | 2.282    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 58 - 134 | Recovery | =      | 4.560%#  |
| 62) 4-Bromofluorobenzene     | 12.413 | 95    | 3346     | 2.619    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 29 - 146 | Recovery | =      | 5.240%#  |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.879  | 85    | 3877     | 4.389    | ug/l   | 96       |
| 3) Chloromethane             | 2.080  | 50    | 1435     | 3.988    | ug/l   | 92       |
| 4) Vinyl Chloride            | 2.220  | 62    | 1872     | 4.267    | ug/l # | 88       |
| 5) Bromomethane              | 2.616  | 94    | 1271     | 4.103    | ug/l   | 96       |
| 6) Chloroethane              | 2.751  | 64    | 1116     | 4.185    | ug/l # | 82       |
| 7) Trichlorofluoromethane    | 3.080  | 101   | 6842     | 4.337    | ug/l   | 94       |
| 8) Diethyl Ether             | 3.470  | 74    | 1774     | 4.698    | ug/l   | 86       |
| 9) 1,1,2-Trichlorotrifluo... | 3.842  | 101   | 3626     | 4.209    | ug/l   | 87       |
| 10) Methyl Iodide            | 4.025  | 142   | 3743     | 3.771    | ug/l # | 87       |
| 11) Tert butyl alcohol       | 4.866  | 59    | 219      | 2.694    | ug/l # | 75       |
| 12) 1,1-Dichloroethene       | 3.817  | 96    | 3204     | 4.190    | ug/l   | 85       |
| 13) Acrolein                 | 3.677  | 56    | 651      | 30.335   | ug/l # | 82       |
| 14) Allyl chloride           | 4.409  | 41    | 3677     | 4.101    | ug/l # | 77       |
| 15) Acrylonitrile            | 5.085  | 53    | 2940     | 21.121   | ug/l # | 80       |
| 16) Acetone                  | 3.897  | 43    | 3356     | 28.936   | ug/l   | 93       |
| 17) Carbon Disulfide         | 4.141  | 76    | 7498     | 3.933    | ug/l   | 99       |
| 18) Methyl Acetate           | 4.415  | 43    | 1080     | 3.599    | ug/l # | 87       |
| 19) Methyl tert-butyl Ether  | 5.134  | 73    | 8821     | 4.241    | ug/l   | 95       |
| 20) Methylene Chloride       | 4.647  | 84    | 3715     | 4.807    | ug/l # | 83       |
| 21) trans-1,2-Dichloroethene | 5.146  | 96    | 3551     | 4.307    | ug/l # | 80       |
| 22) Diisopropyl ether        | 6.043  | 45    | 7693     | 4.197    | ug/l # | 77       |
| 23) Vinyl Acetate            | 5.982  | 43    | 22139    | 20.396   | ug/l # | 87       |
| 24) 1,1-Dichloroethane       | 5.933  | 63    | 5733     | 4.195    | ug/l # | 89       |
| 25) 2-Butanone               | 6.914  | 43    | 3974     | 24.392   | ug/l # | 77       |
| 26) 2,2-Dichloropropane      | 6.908  | 77    | 8260     | 4.831    | ug/l   | 91       |
| 27) cis-1,2-Dichloroethene   | 6.914  | 96    | 4456     | 4.538    | ug/l   | 96       |
| 28) Bromochloromethane       | 7.268  | 49    | 1210     | 6.257    | ug/l # | 51       |
| 29) Tetrahydrofuran          | 7.286  | 42    | 1992     | 20.802   | ug/l # | 71       |
| 30) Chloroform               | 7.439  | 83    | 9018     | 5.021    | ug/l   | 96       |
| 31) Cyclohexane              | 7.719  | 56    | 6636     | 5.539    | ug/l # | 63       |
| 32) 1,1,1-Trichloroethane    | 7.640  | 97    | 8094     | 4.313    | ug/l   | 96       |
| 36) 1,1-Dichloropropene      | 7.859  | 75    | 4978     | 4.238    | ug/l   | 97       |
| 37) Ethyl Acetate            | 7.012  | 43    | 1815     | 4.728    | ug/l # | 69       |
| 38) Carbon Tetrachloride     | 7.835  | 117   | 7766     | 4.086    | ug/l   | 91       |
| 39) Methylcyclohexane        | 9.121  | 83    | 6337     | 4.244    | ug/l   | 99       |
| 40) Benzene                  | 8.091  | 78    | 14311    | 4.223    | ug/l   | 98       |

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 Sample : VSTDICC005  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDICC005

Quant Time: Dec 23 14:02:53 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y122324S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Dec 23 14:02:50 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 41) Methacrylonitrile         | 7.244  | 41   | 917      | 4.221  | ug/l # | 85       |
| 42) 1,2-Dichloroethane        | 8.170  | 62   | 4467     | 4.145  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.213  | 43   | 3082     | 3.863  | ug/l # | 86       |
| 44) Trichloroethene           | 8.877  | 130  | 4289     | 4.265  | ug/l   | 93       |
| 45) 1,2-Dichloropropane       | 9.158  | 63   | 2724     | 4.091  | ug/l   | 91       |
| 46) Dibromomethane            | 9.249  | 93   | 1946     | 4.234  | ug/l   | 96       |
| 47) Bromodichloromethane      | 9.438  | 83   | 5373     | 4.121  | ug/l   | 96       |
| 48) Methyl methacrylate       | 9.231  | 41   | 1480     | 3.913  | ug/l # | 89       |
| 49) 1,4-Dioxane               | 9.262  | 88   | 259      | 66.488 | ug/l # | 39       |
| 51) 4-Methyl-2-Pentanone      | 10.011 | 43   | 9070     | 22.757 | ug/l   | 98       |
| 52) Toluene                   | 10.182 | 92   | 9584     | 4.153  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 10.408 | 75   | 4552     | 3.946  | ug/l   | 92       |
| 54) cis-1,3-Dichloropropene   | 9.871  | 75   | 4997     | 3.931  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 10.578 | 97   | 2529     | 4.249  | ug/l   | 87       |
| 56) Ethyl methacrylate        | 10.450 | 69   | 2795     | 3.682  | ug/l   | 87       |
| 57) 1,3-Dichloropropane       | 10.731 | 76   | 3981     | 4.092  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.725  | 63   | 6120     | 21.573 | ug/l # | 79       |
| 59) 2-Hexanone                | 10.774 | 43   | 4717     | 18.580 | ug/l   | 100      |
| 60) Dibromochloromethane      | 10.920 | 129  | 4012     | 4.222  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.030 | 107  | 2170     | 3.889  | ug/l   | 98       |
| 64) Tetrachloroethene         | 10.658 | 164  | 3679     | 4.124  | ug/l   | 89       |
| 65) Chlorobenzene             | 11.456 | 112  | 10890    | 4.339  | ug/l   | 94       |
| 66) 1,1,1,2-Tetrachloroethane | 11.523 | 131  | 4311     | 4.398  | ug/l   | 96       |
| 67) Ethyl Benzene             | 11.529 | 91   | 18768    | 4.168  | ug/l   | 96       |
| 68) m/p-Xylenes               | 11.639 | 106  | 14272    | 8.311  | ug/l   | 100      |
| 69) o-Xylene                  | 11.968 | 106  | 6616     | 4.102  | ug/l   | 98       |
| 70) Styrene                   | 11.981 | 104  | 11050    | 4.073  | ug/l   | 98       |
| 71) Bromoform                 | 12.145 | 173  | 2411     | 4.295  | ug/l # | 94       |
| 73) Isopropylbenzene          | 12.267 | 105  | 18930    | 4.385  | ug/l   | 98       |
| 74) N-amyl acetate            | 12.078 | 43   | 2293     | 3.780  | ug/l # | 88       |
| 75) 1,1,2,2-Tetrachloroethane | 12.517 | 83   | 2450     | 4.410  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 12.548 | 75   | 1677     | 4.031  | ug/l # | 100      |
| 77) Bromobenzene              | 12.541 | 156  | 4234     | 4.307  | ug/l   | 89       |
| 78) n-propylbenzene           | 12.602 | 91   | 21465    | 4.410  | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 12.688 | 91   | 12202    | 4.404  | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene    | 12.749 | 105  | 15597    | 4.356  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.310 | 75   | 810      | 4.023  | ug/l   | 88       |
| 82) 4-Chlorotoluene           | 12.785 | 91   | 12300    | 4.353  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.011 | 119  | 14849    | 4.457  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.054 | 105  | 14790    | 4.228  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.188 | 105  | 19621    | 4.374  | ug/l   | 94       |
| 86) p-Isopropyltoluene        | 13.304 | 119  | 16486    | 4.204  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.297 | 146  | 8502     | 4.452  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 13.377 | 146  | 8186     | 4.375  | ug/l   | 89       |
| 89) n-Butylbenzene            | 13.627 | 91   | 14168    | 4.288  | ug/l   | 93       |
| 90) Hexachloroethane          | 13.889 | 117  | 3276     | 4.403  | ug/l   | 86       |
| 91) 1,2-Dichlorobenzene       | 13.669 | 146  | 7116     | 4.342  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.285 | 75   | 478      | 4.516  | ug/l   | 91       |
| 93) 1,2,4-Trichlorobenzene    | 14.937 | 180  | 3572     | 3.671  | ug/l   | 95       |
| 94) Hexachlorobutadiene       | 15.035 | 225  | 2958     | 4.083  | ug/l   | 97       |
| 95) Naphthalene               | 15.157 | 128  | 5634     | 6.410  | ug/l   | 97       |
| 96) 1,2,3-Trichlorobenzene    | 15.346 | 180  | 2952     | 3.629  | ug/l   | 97       |

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Sample : VSTDICC005  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 3 Sample Multiplier: 1

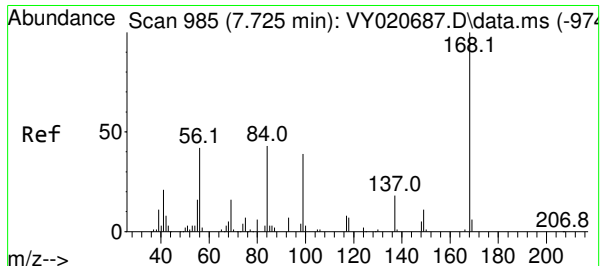
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC005

Quant Time: Dec 23 14:02:53 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y122324S.M  
Quant Title : SW846 8260  
QLast Update : Mon Dec 23 14:02:50 2024  
Response via : Initial Calibration

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

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

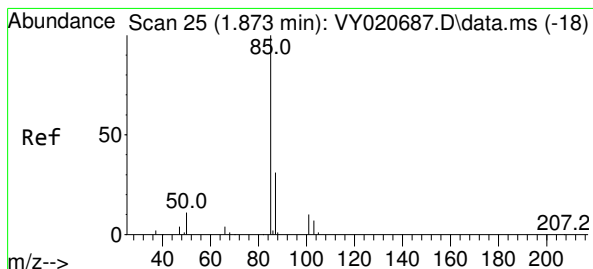
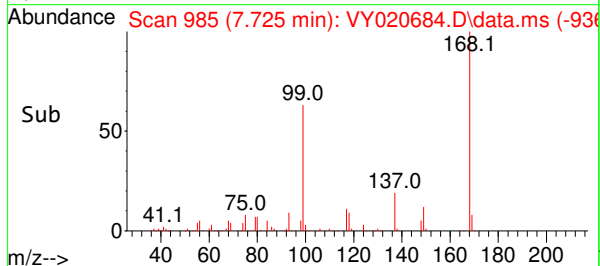
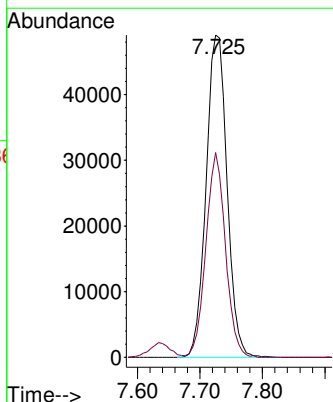
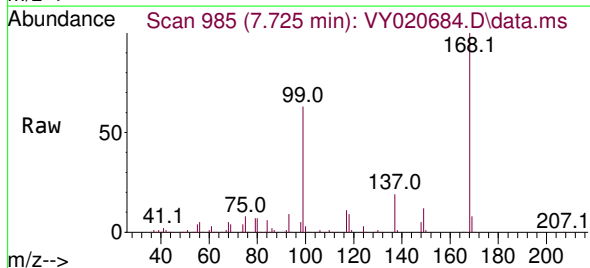




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.725 min Scan# 985  
Delta R.T. 0.000 min  
Lab File: VY020684.D  
Acq: 23 Dec 2024 11:30

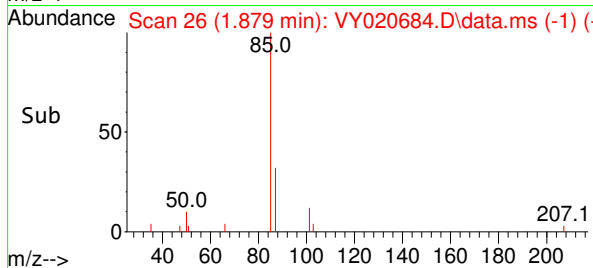
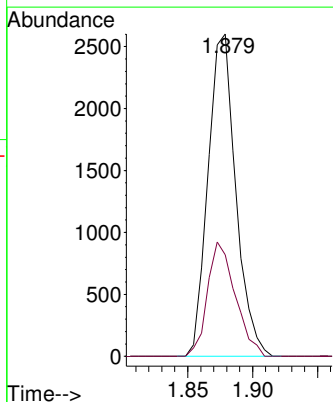
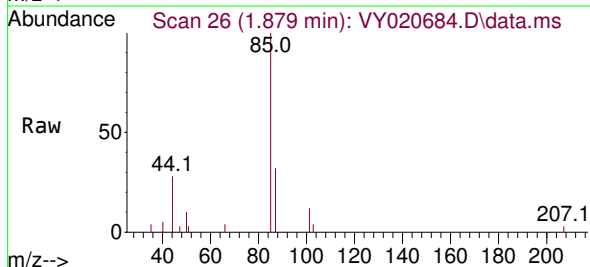
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

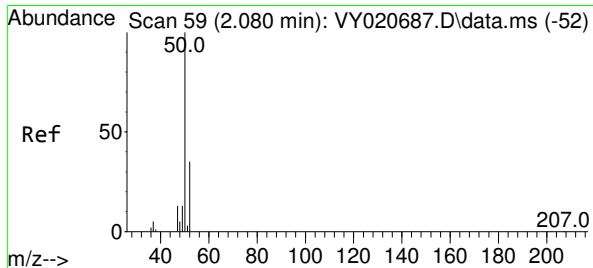
Tgt Ion:168 Resp: 114649  
Ion Ratio Lower Upper  
168 100  
99 63.5 47.0 70.6



#2  
Dichlorodifluoromethane  
Concen: 4.389 ug/l  
RT: 1.879 min Scan# 26  
Delta R.T. 0.006 min  
Lab File: VY020684.D  
Acq: 23 Dec 2024 11:30

Tgt Ion: 85 Resp: 3877  
Ion Ratio Lower Upper  
85 100  
87 31.5 16.8 50.3

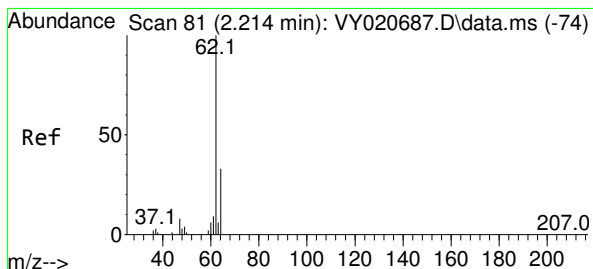
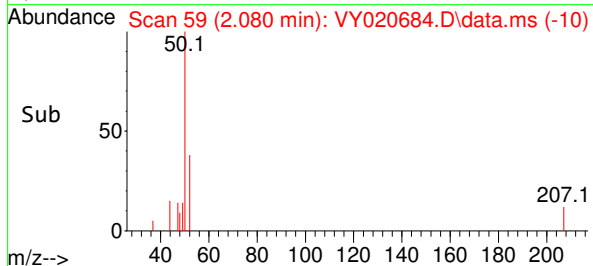
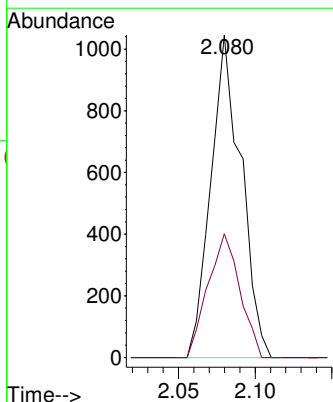
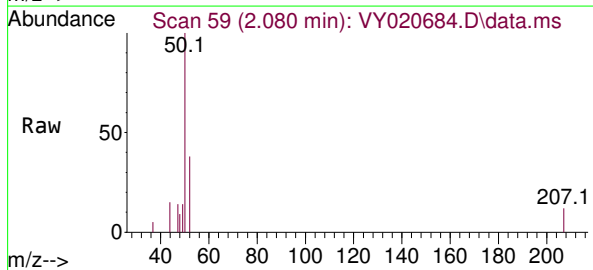




#3  
Chloromethane  
Concen: 3.988 ug/l  
RT: 2.080 min Scan# 59  
Delta R.T. -0.000 min  
Lab File: VY020684.D  
Acq: 23 Dec 2024 11:30

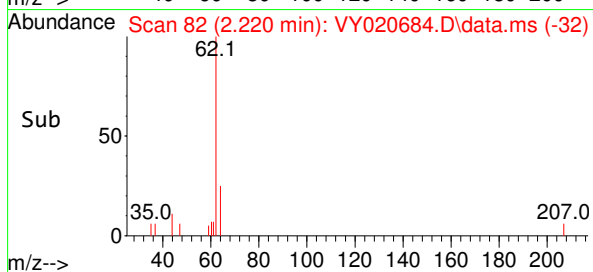
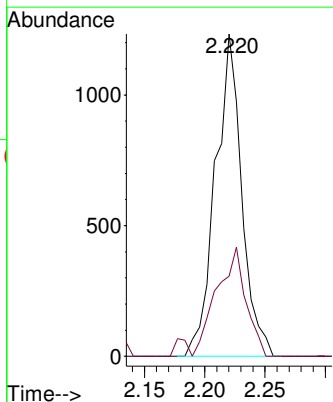
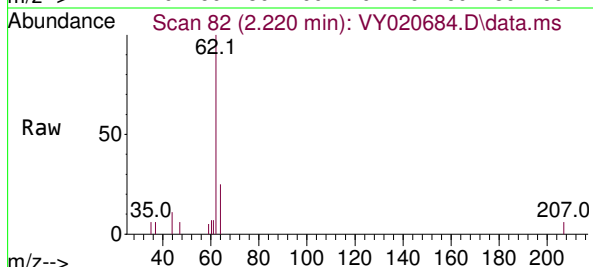
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

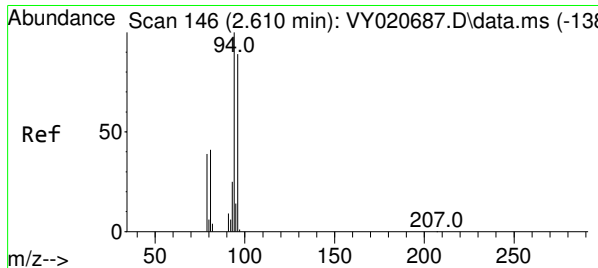
Tgt Ion: 50 Resp: 1435  
Ion Ratio Lower Upper  
50 100  
52 38.3 26.8 40.2



#4  
Vinyl Chloride  
Concen: 4.267 ug/l  
RT: 2.220 min Scan# 82  
Delta R.T. 0.006 min  
Lab File: VY020684.D  
Acq: 23 Dec 2024 11:30

Tgt Ion: 62 Resp: 1872  
Ion Ratio Lower Upper  
62 100  
64 24.8 25.3 37.9#

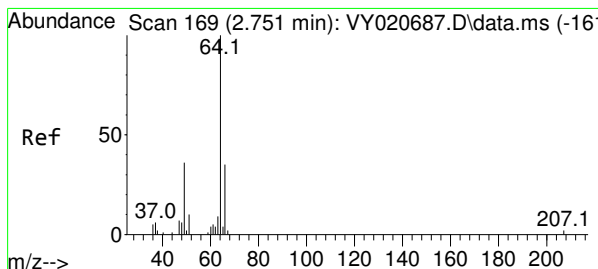
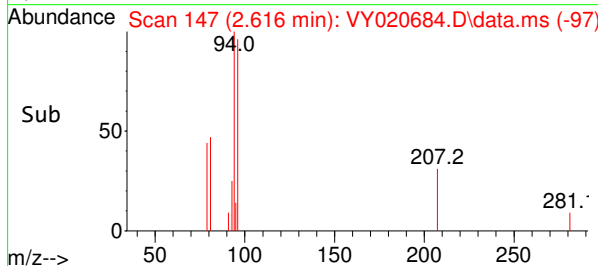
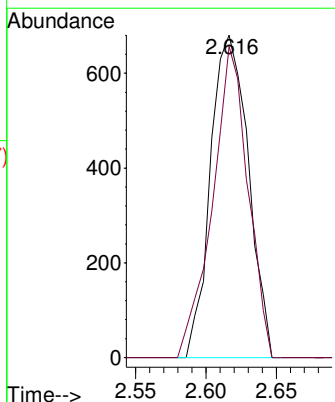
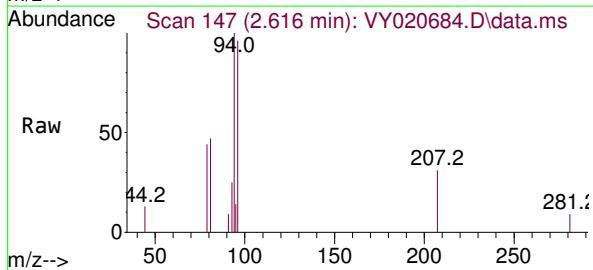




#5  
Bromomethane  
Concen: 4.103 ug/l  
RT: 2.616 min Scan# 146  
Delta R.T. 0.006 min  
Lab File: VY020684.D  
Acq: 23 Dec 2024 11:30

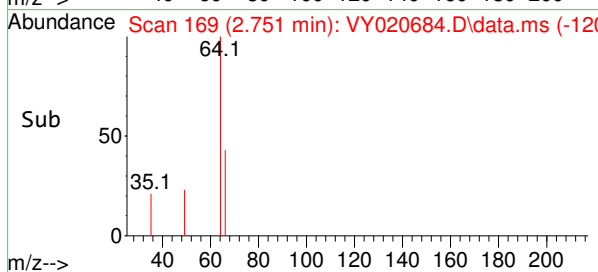
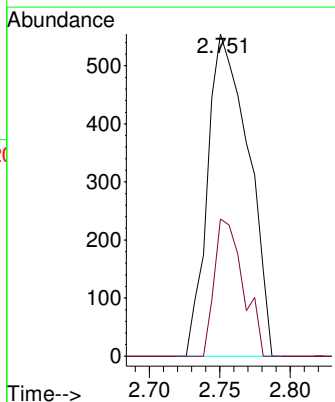
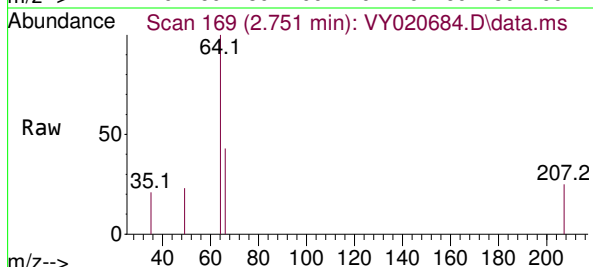
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

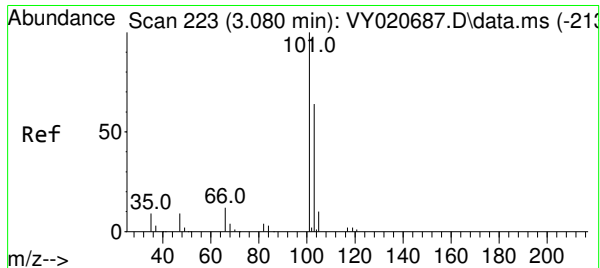
Tgt Ion: 94 Resp: 1271  
Ion Ratio Lower Upper  
94 100  
96 96.5 73.8 110.6



#6  
Chloroethane  
Concen: 4.185 ug/l  
RT: 2.751 min Scan# 169  
Delta R.T. -0.000 min  
Lab File: VY020684.D  
Acq: 23 Dec 2024 11:30

Tgt Ion: 64 Resp: 1116  
Ion Ratio Lower Upper  
64 100  
66 42.5 25.8 38.6

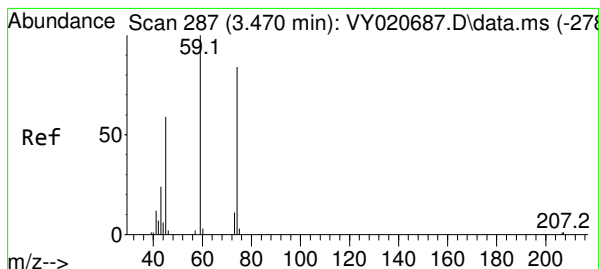
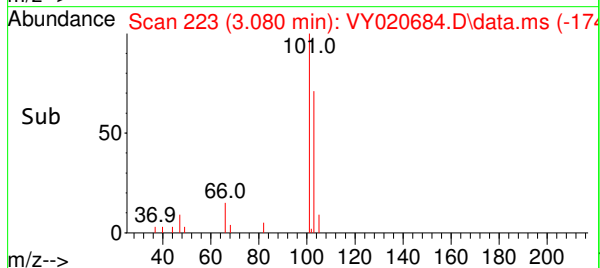
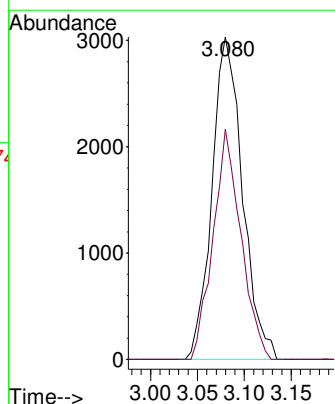
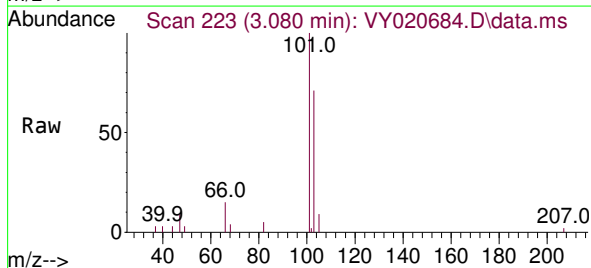




#7  
Trichlorofluoromethane  
Concen: 4.337 ug/l  
RT: 3.080 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VY020684.D  
Acq: 23 Dec 2024 11:30

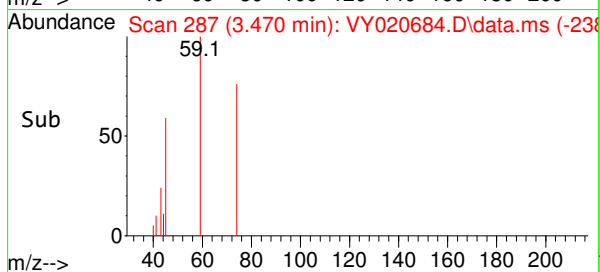
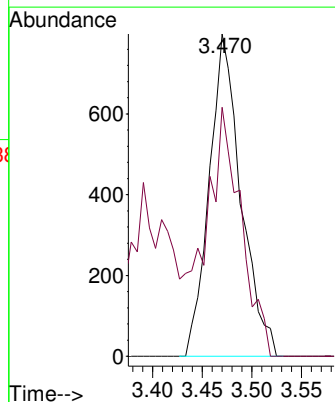
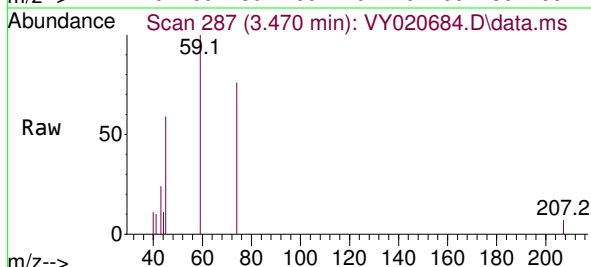
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

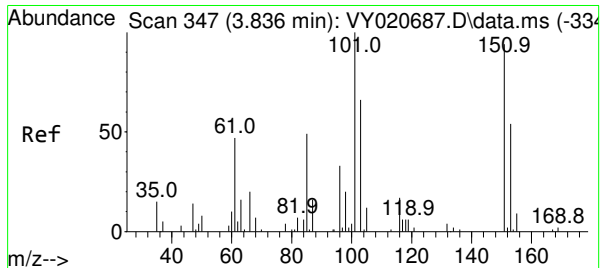
Tgt Ion: 101 Resp: 6842  
Ion Ratio Lower Upper  
101 100  
103 71.4 53.4 80.0



#8  
Diethyl Ether  
Concen: 4.698 ug/l  
RT: 3.470 min Scan# 287  
Delta R.T. -0.000 min  
Lab File: VY020684.D  
Acq: 23 Dec 2024 11:30

Tgt Ion: 74 Resp: 1774  
Ion Ratio Lower Upper  
74 100  
45 83.9 49.0 147.2

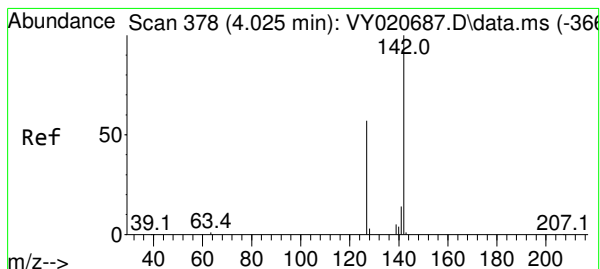
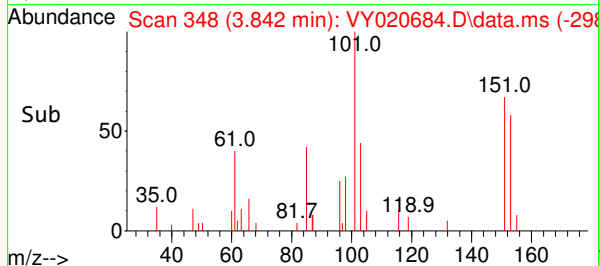
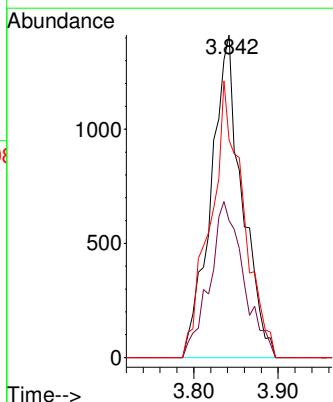
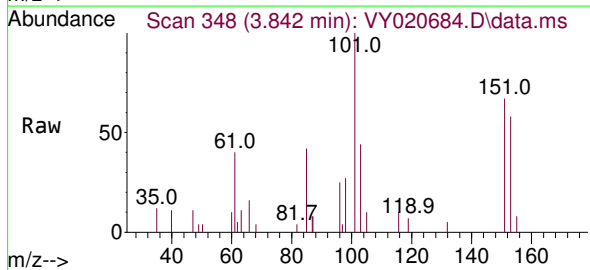




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 4.209 ug/l  
RT: 3.842 min Scan# 3  
Delta R.T. 0.006 min  
Lab File: VY020684.D  
Acq: 23 Dec 2024 11:30

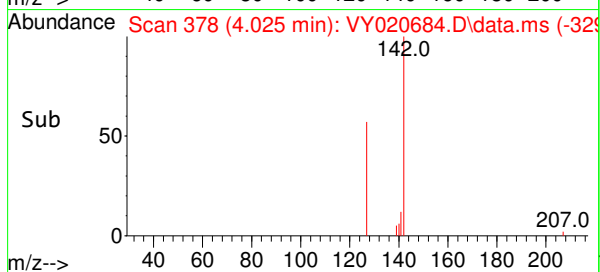
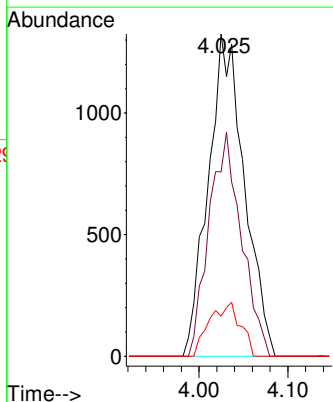
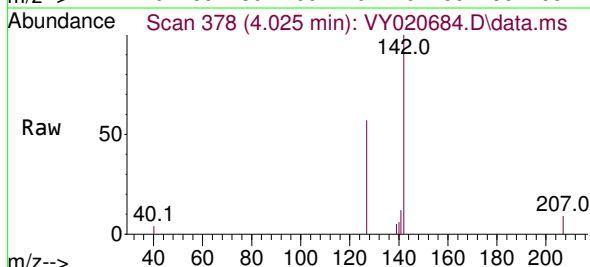
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

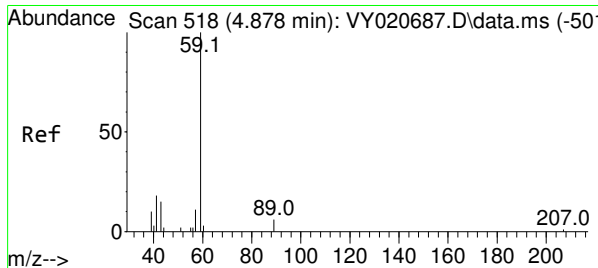
Tgt Ion:101 Resp: 3626  
Ion Ratio Lower Upper  
101 100  
85 52.7 36.6 54.8  
151 90.0 61.5 92.3



#10  
Methyl Iodide  
Concen: 3.771 ug/l  
RT: 4.025 min Scan# 378  
Delta R.T. -0.000 min  
Lab File: VY020684.D  
Acq: 23 Dec 2024 11:30

Tgt Ion:142 Resp: 3743  
Ion Ratio Lower Upper  
142 100  
127 62.5 40.6 61.0#  
141 14.3 11.7 17.5

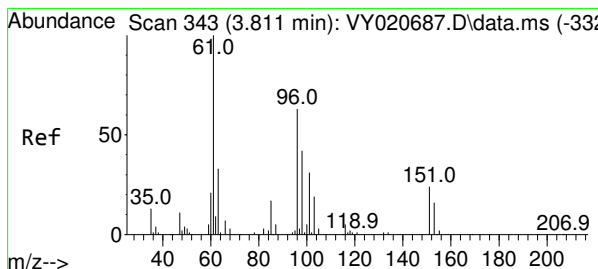
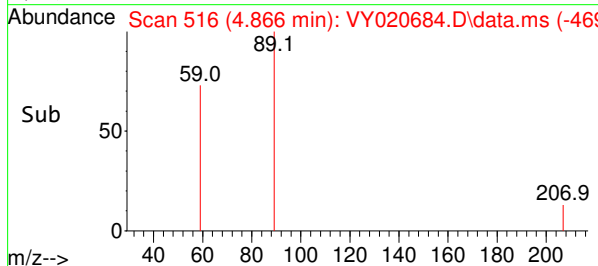
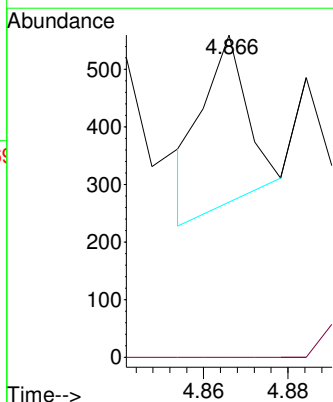
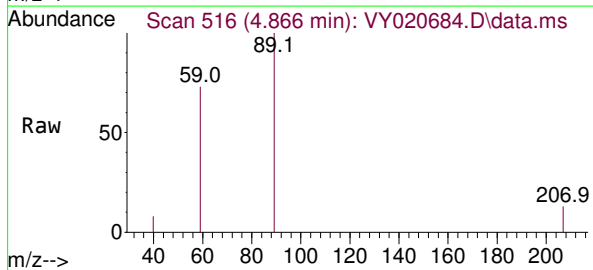




#11  
Tert butyl alcohol  
Concen: 2.694 ug/l  
RT: 4.866 min Scan# 518  
Delta R.T. -0.012 min  
Lab File: VY020684.D  
Acq: 23 Dec 2024 11:30

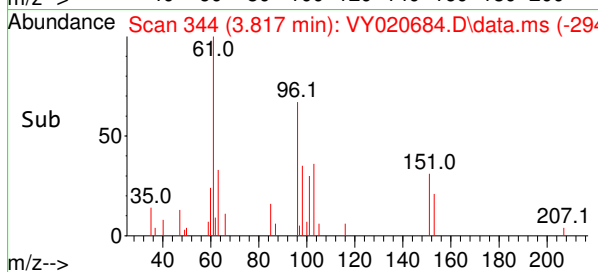
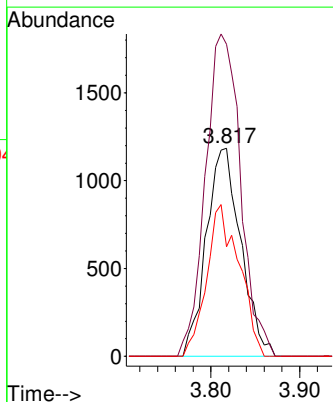
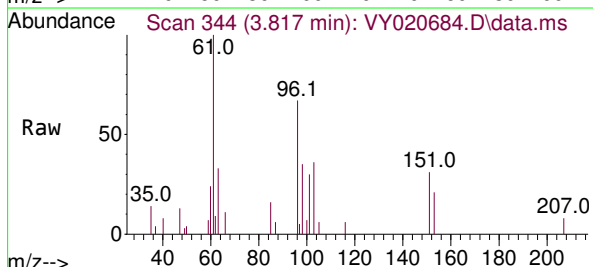
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

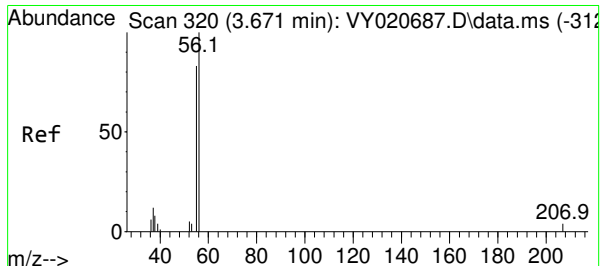
Tgt Ion: 59 Resp: 219  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.4 11.0#



#12  
1,1-Dichloroethene  
Concen: 4.190 ug/l  
RT: 3.817 min Scan# 344  
Delta R.T. 0.006 min  
Lab File: VY020684.D  
Acq: 23 Dec 2024 11:30

Tgt Ion: 96 Resp: 3204  
Ion Ratio Lower Upper  
96 100  
61 150.1 136.9 205.3  
98 52.7 50.2 75.4

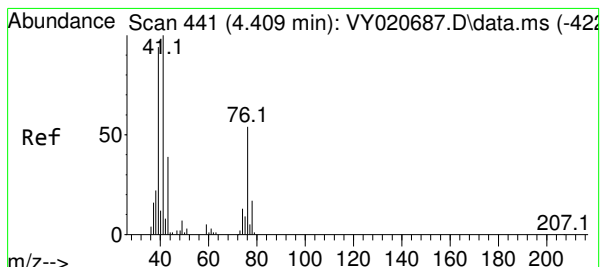
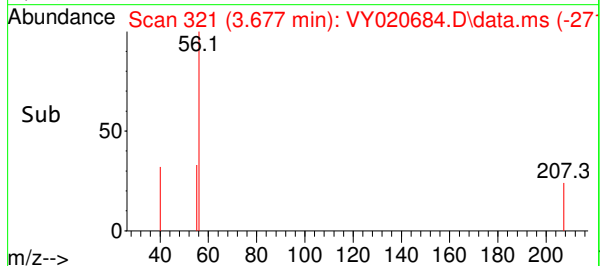
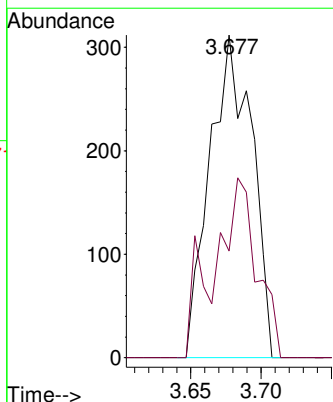
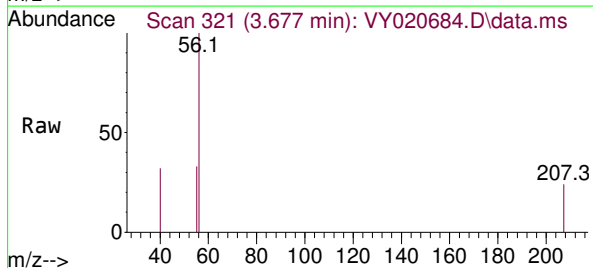




#13  
Acrolein  
Concen: 30.335 ug/l  
RT: 3.677 min Scan# 3  
Delta R.T. 0.006 min  
Lab File: VY020684.D  
Acq: 23 Dec 2024 11:30

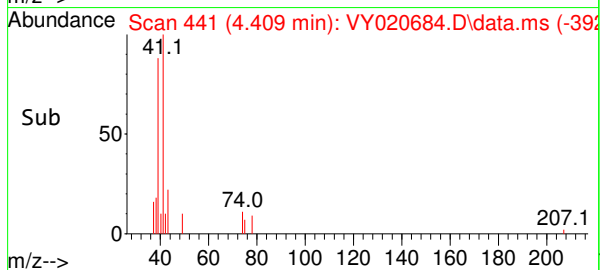
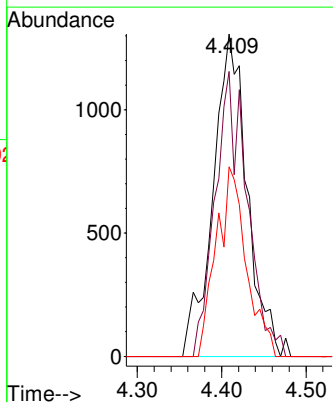
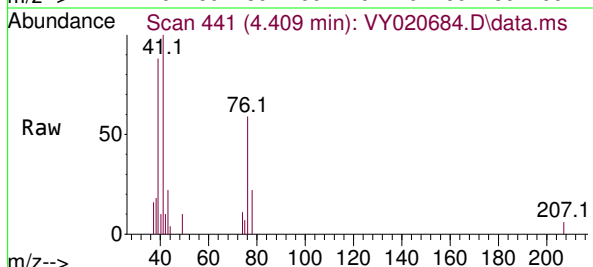
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC005

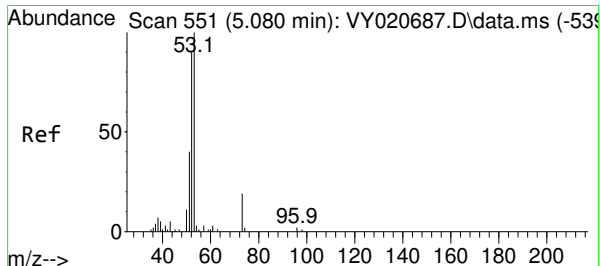
Tgt Ion: 56 Resp: 651  
Ion Ratio Lower Upper  
56 100  
55 56.5 57.5 86.3#



#14  
Allyl chloride  
Concen: 4.101 ug/l  
RT: 4.409 min Scan# 441  
Delta R.T. -0.000 min  
Lab File: VY020684.D  
Acq: 23 Dec 2024 11:30

Tgt Ion: 41 Resp: 3677  
Ion Ratio Lower Upper  
41 100  
39 83.3 53.0 79.4#  
76 51.7 29.5 44.3#

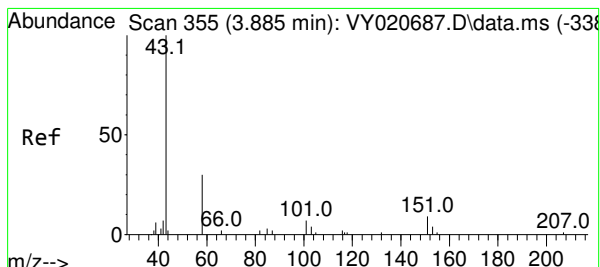
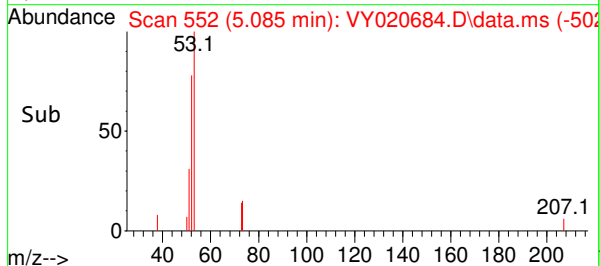
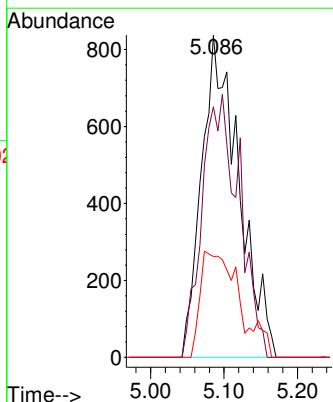
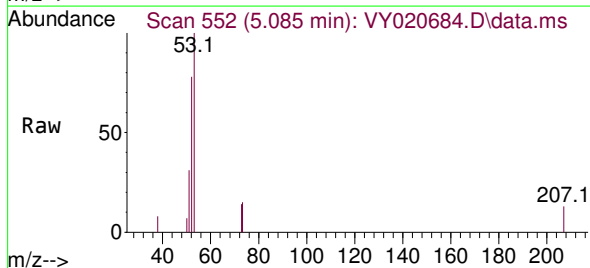




#15  
Acrylonitrile  
Concen: 21.121 ug/l  
RT: 5.085 min Scan# 551  
Delta R.T. 0.006 min  
Lab File: VY020684.D  
Acq: 23 Dec 2024 11:30

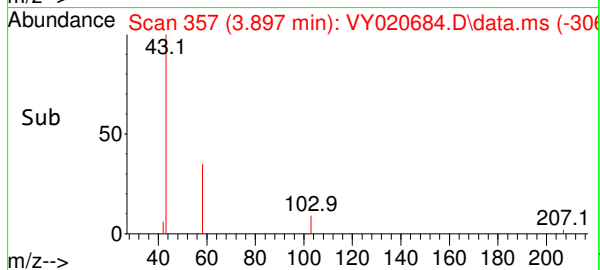
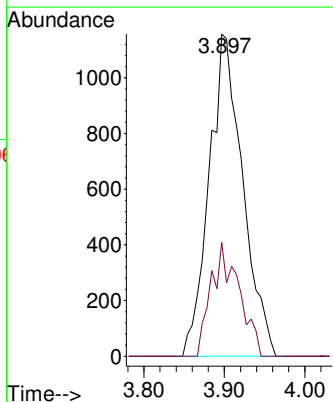
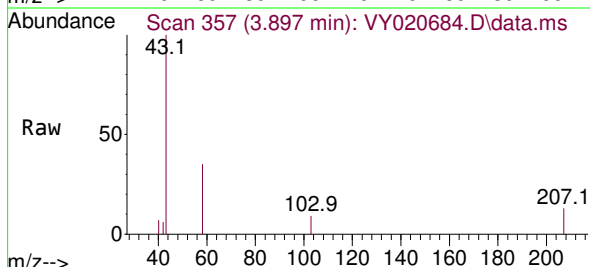
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC005

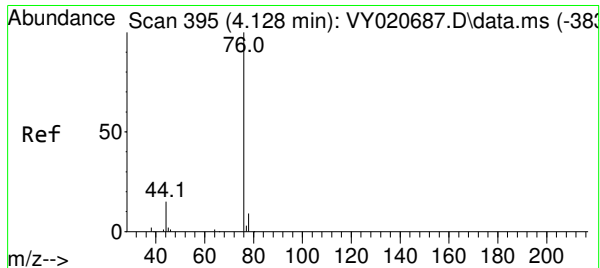
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 53      | 100   |       |       |
| 52      | 81.2  | 64.5  | 96.7  |
| 51      | 0.0   | 29.4  | 44.0  |



#16  
Acetone  
Concen: 28.936 ug/l  
RT: 3.897 min Scan# 357  
Delta R.T. 0.012 min  
Lab File: VY020684.D  
Acq: 23 Dec 2024 11:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 35.3  | 25.0  | 37.6  |

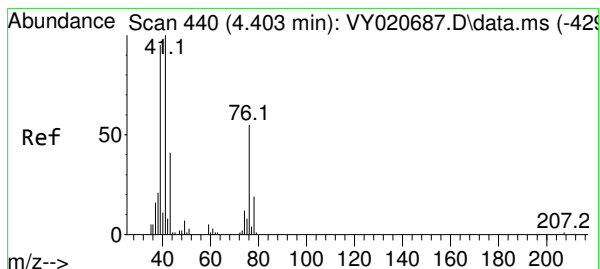
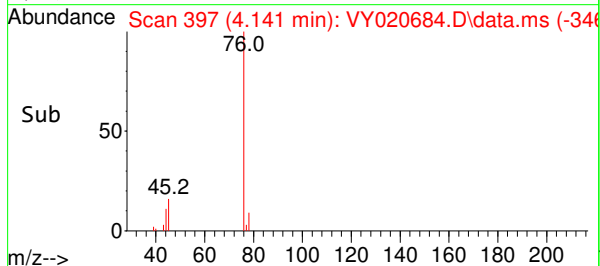
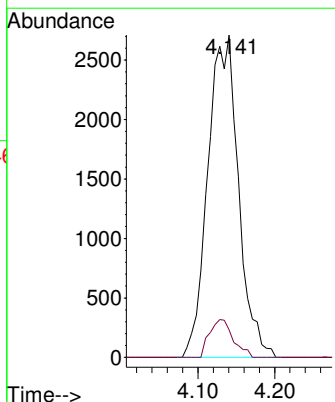
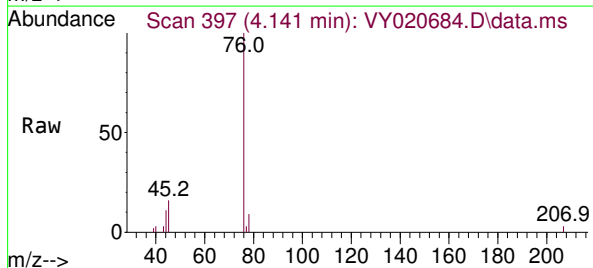




#17  
Carbon Disulfide  
Concen: 3.933 ug/l  
RT: 4.141 min Scan# 397  
Delta R.T. 0.012 min  
Lab File: VY020684.D  
Acq: 23 Dec 2024 11:30

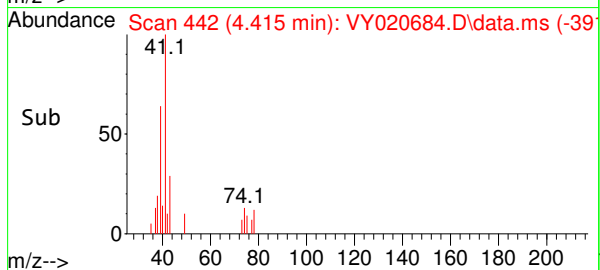
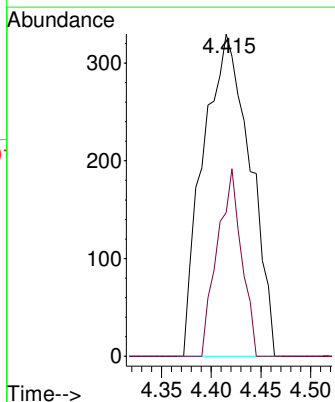
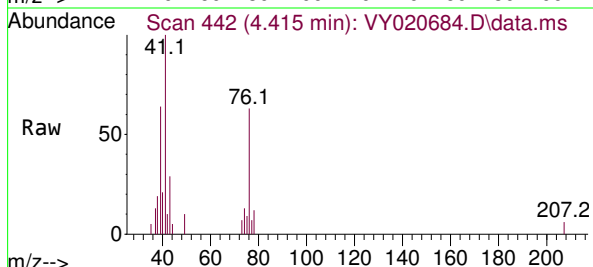
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC005

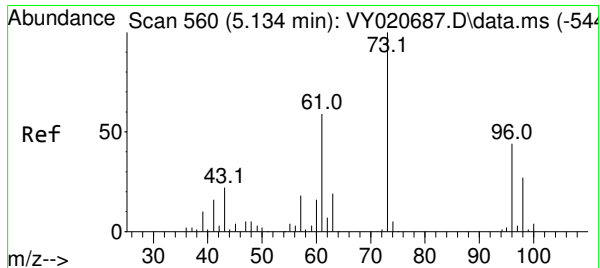
Tgt Ion: 76 Resp: 7498  
Ion Ratio Lower Upper  
76 100  
78 8.6 7.2 10.8



#18  
Methyl Acetate  
Concen: 3.599 ug/l  
RT: 4.415 min Scan# 442  
Delta R.T. 0.012 min  
Lab File: VY020684.D  
Acq: 23 Dec 2024 11:30

Tgt Ion: 43 Resp: 1080  
Ion Ratio Lower Upper  
43 100  
74 30.3 19.2 28.8#

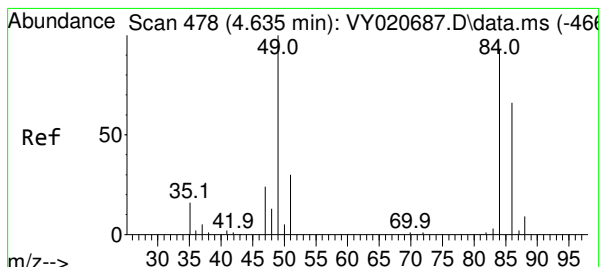
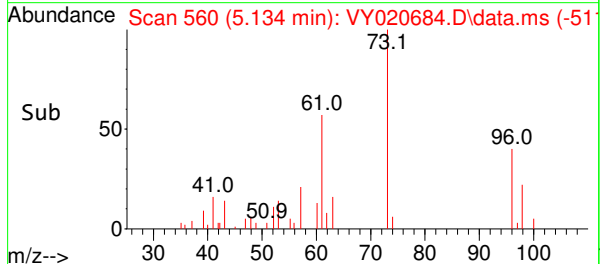
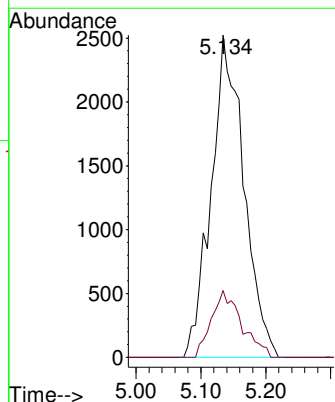
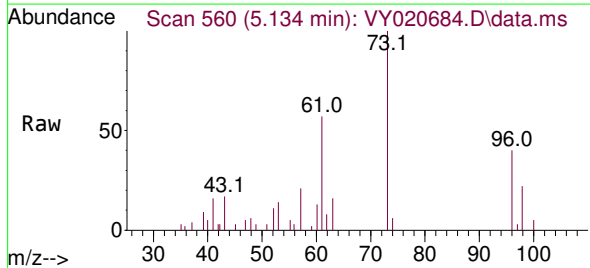




#19  
Methyl tert-butyl Ether  
Concen: 4.241 ug/l  
RT: 5.134 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VY020684.D  
Acq: 23 Dec 2024 11:30

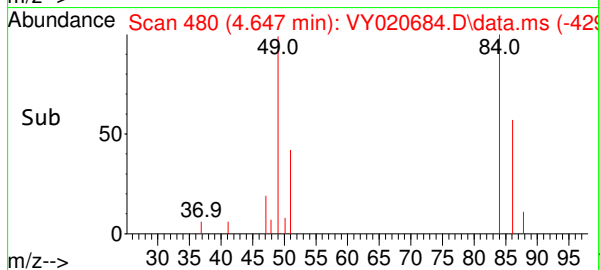
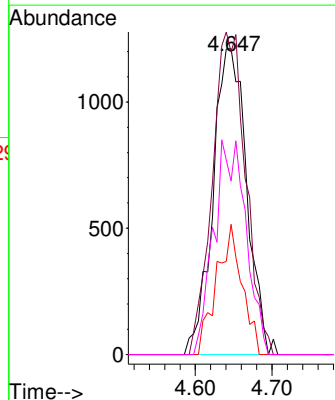
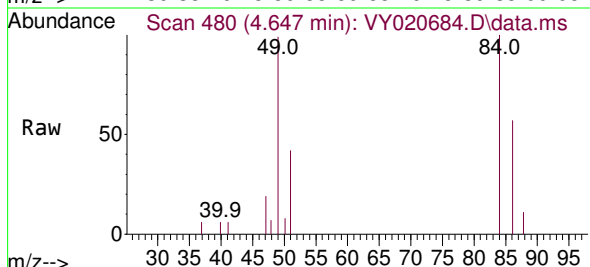
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

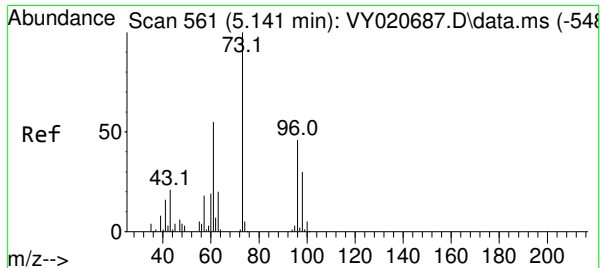
Tgt Ion: 73 Resp: 8821  
Ion Ratio Lower Upper  
73 100  
57 20.8 18.5 27.7



#20  
Methylene Chloride  
Concen: 4.807 ug/l  
RT: 4.647 min Scan# 480  
Delta R.T. 0.012 min  
Lab File: VY020684.D  
Acq: 23 Dec 2024 11:30

Tgt Ion: 84 Resp: 3715  
Ion Ratio Lower Upper  
84 100  
49 98.8 100.7 151.1#  
51 42.5 32.2 48.2  
86 56.6 53.0 79.6

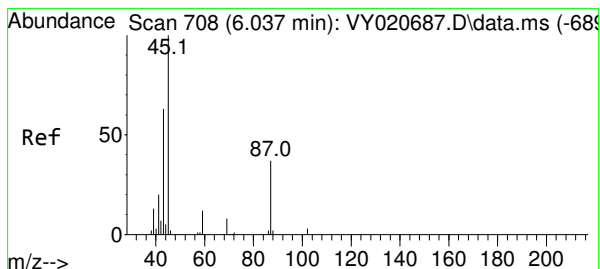
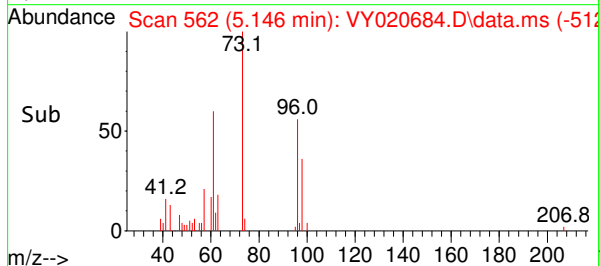
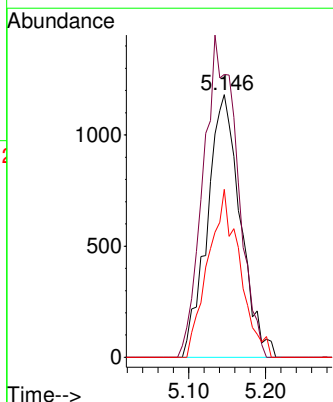
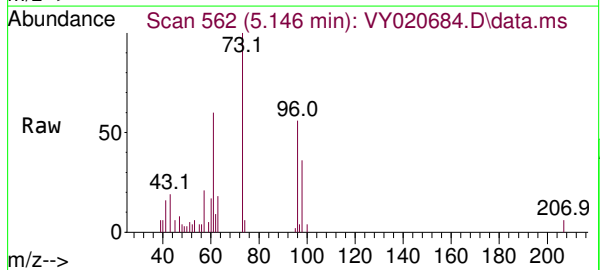




#21  
trans-1,2-Dichloroethene  
Concen: 4.307 ug/l  
RT: 5.146 min Scan# 511  
Delta R.T. 0.006 min  
Lab File: VY020684.D  
Acq: 23 Dec 2024 11:30

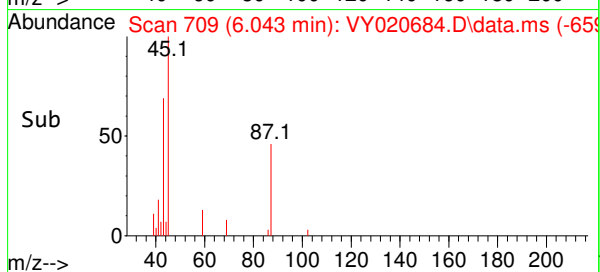
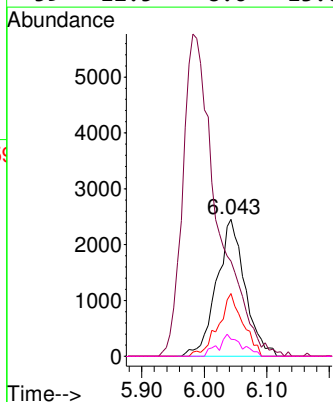
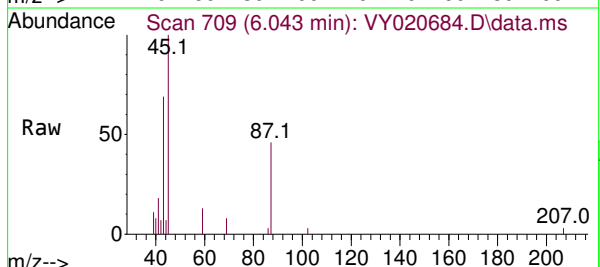
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

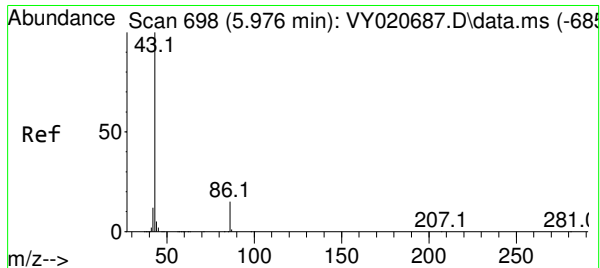
Tgt Ion: 96 Resp: 3551  
Ion Ratio Lower Upper  
96 100  
61 107.7 113.7 170.5#  
98 64.0 51.7 77.5



#22  
Diisopropyl ether  
Concen: 4.197 ug/l  
RT: 6.043 min Scan# 709  
Delta R.T. 0.006 min  
Lab File: VY020684.D  
Acq: 23 Dec 2024 11:30

Tgt Ion: 45 Resp: 7693  
Ion Ratio Lower Upper  
45 100  
43 66.0 42.6 64.0#  
87 45.9 20.6 31.0#  
59 12.5 8.6 13.0

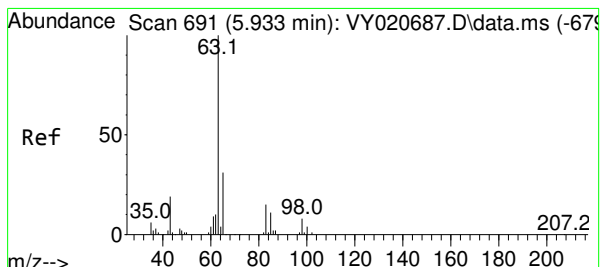
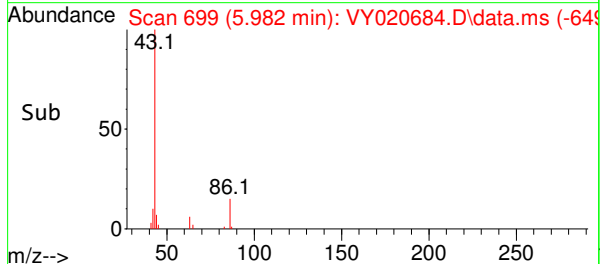
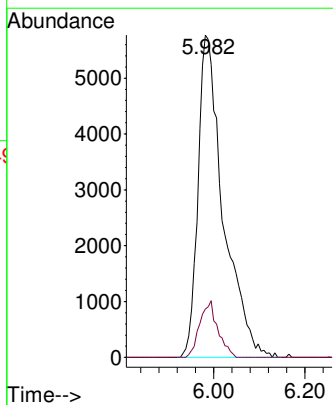
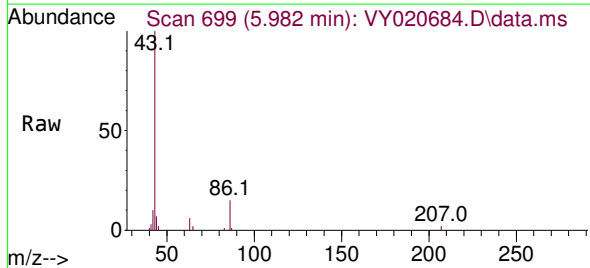




#23  
 Vinyl Acetate  
 Concen: 20.396 ug/l  
 RT: 5.982 min Scan# 698  
 Delta R.T. 0.006 min  
 Lab File: VY020684.D  
 Acq: 23 Dec 2024 11:30

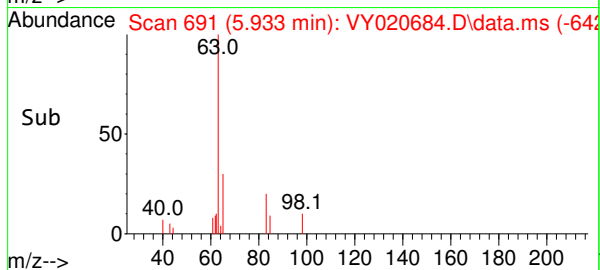
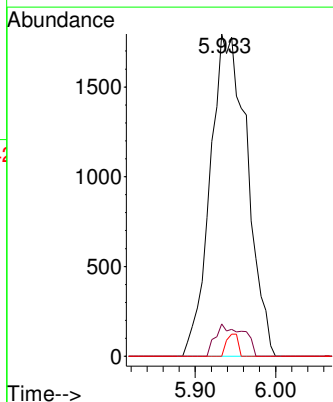
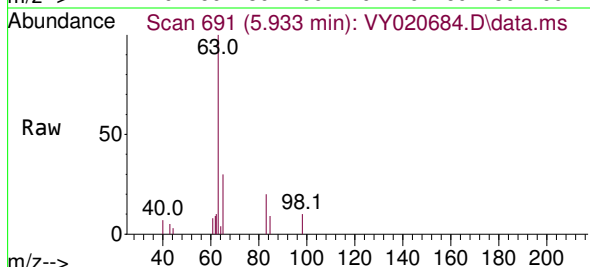
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC005

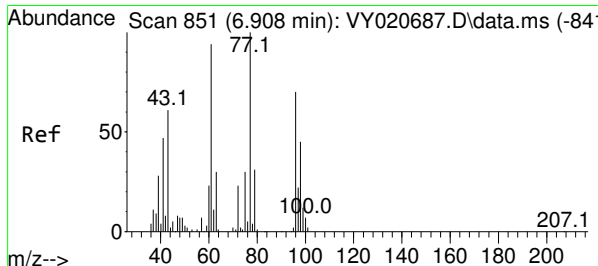
Tgt Ion: 43 Resp: 22139  
 Ion Ratio Lower Upper  
 43 100  
 86 15.0 8.1 12.1#



#24  
 1,1-Dichloroethane  
 Concen: 4.195 ug/l  
 RT: 5.933 min Scan# 691  
 Delta R.T. -0.000 min  
 Lab File: VY020684.D  
 Acq: 23 Dec 2024 11:30

Tgt Ion: 63 Resp: 5733  
 Ion Ratio Lower Upper  
 63 100  
 98 10.0 3.4 10.1  
 100 0.0 2.1 6.5#

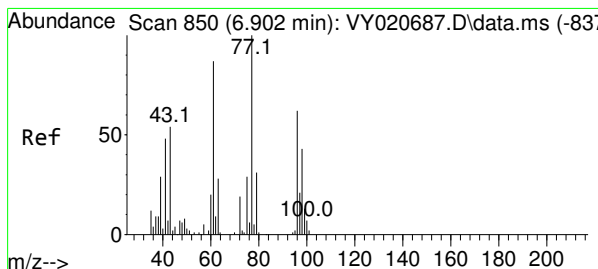
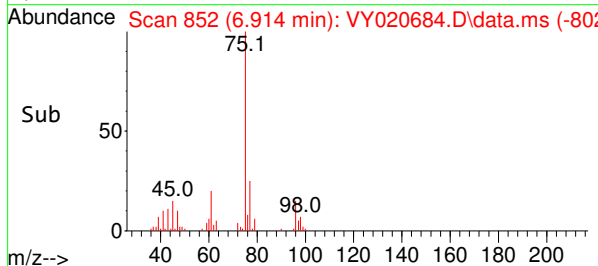
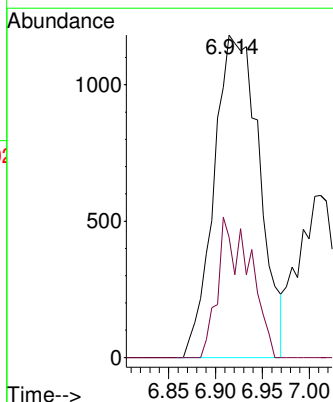
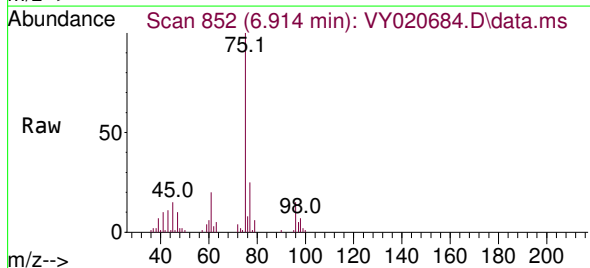




#25  
2-Butanone  
Concen: 24.392 ug/l  
RT: 6.914 min Scan# 852  
Delta R.T. 0.006 min  
Lab File: VY020684.D  
Acq: 23 Dec 2024 11:30

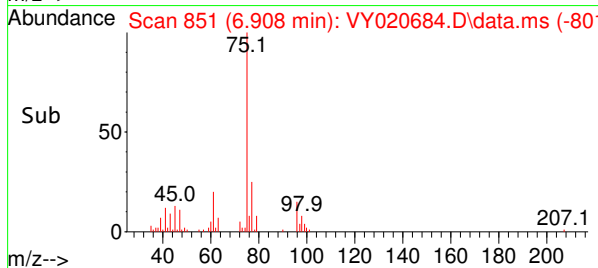
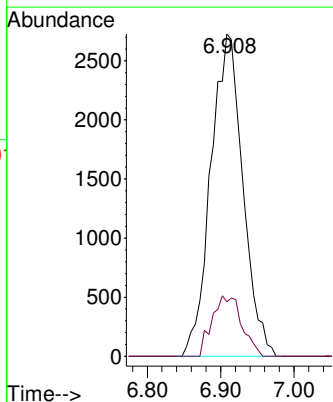
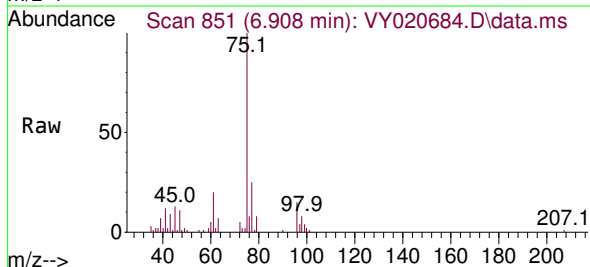
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

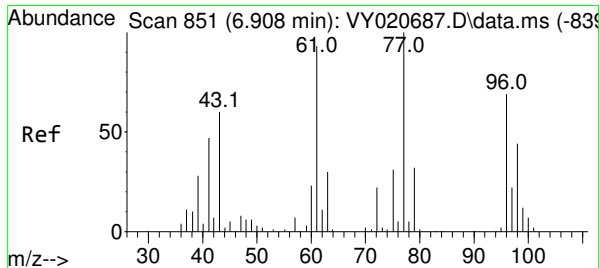
Tgt Ion: 43 Resp: 3974  
Ion Ratio Lower Upper  
43 100  
72 37.3 20.6 31.0#



#26  
2,2-Dichloropropane  
Concen: 4.831 ug/l  
RT: 6.908 min Scan# 851  
Delta R.T. 0.006 min  
Lab File: VY020684.D  
Acq: 23 Dec 2024 11:30

Tgt Ion: 77 Resp: 8260  
Ion Ratio Lower Upper  
77 100  
97 17.3 10.9 32.6

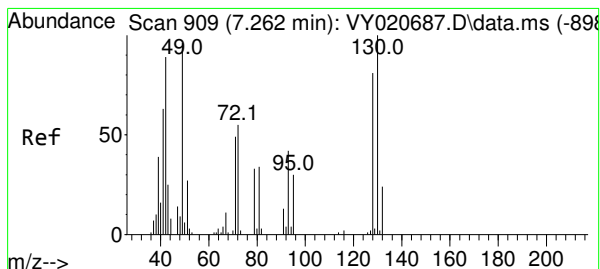
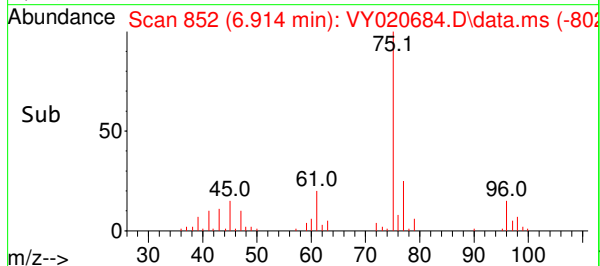
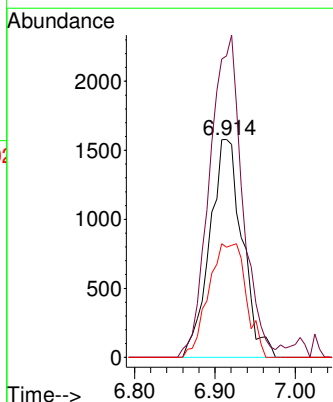
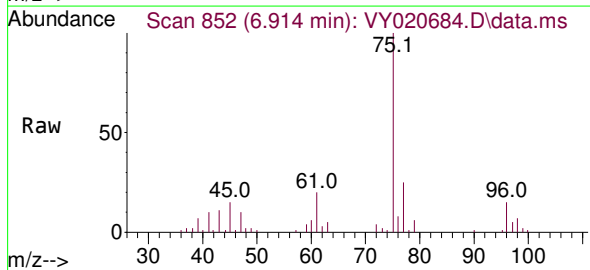




#27  
 cis-1,2-Dichloroethene  
 Concen: 4.538 ug/l  
 RT: 6.914 min Scan# 852  
 Delta R.T. 0.006 min  
 Lab File: VY020684.D  
 Acq: 23 Dec 2024 11:30

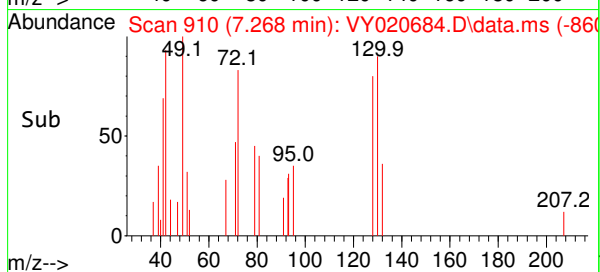
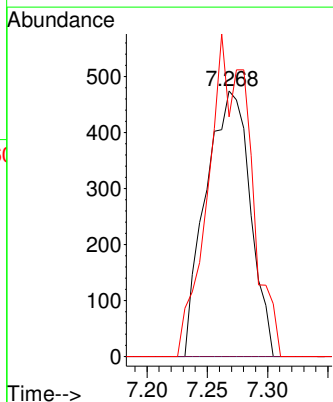
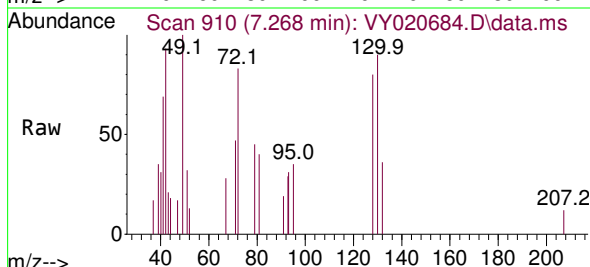
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC005

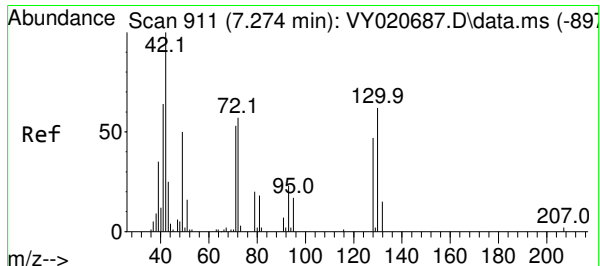
Tgt Ion: 96 Resp: 4456  
 Ion Ratio Lower Upper  
 96 100  
 61 148.6 0.0 306.2  
 98 59.9 0.0 127.2



#28  
 Bromochloromethane  
 Concen: 6.257 ug/l  
 RT: 7.268 min Scan# 910  
 Delta R.T. 0.006 min  
 Lab File: VY020684.D  
 Acq: 23 Dec 2024 11:30

Tgt Ion: 49 Resp: 1210  
 Ion Ratio Lower Upper  
 49 100  
 129 0.0 0.0 3.8  
 130 114.7 58.3 87.5#

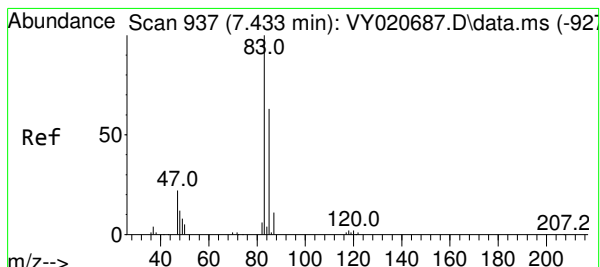
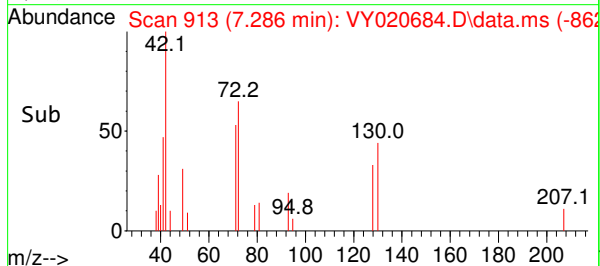
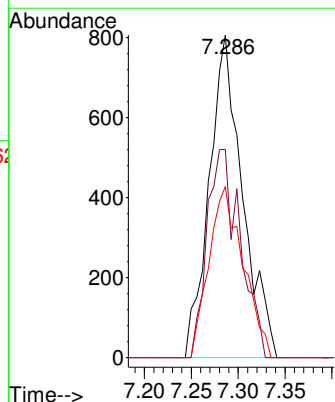
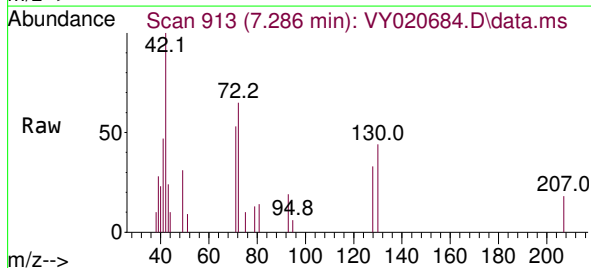




#29  
Tetrahydrofuran  
Concen: 20.802 ug/l  
RT: 7.286 min Scan# 913  
Delta R.T. 0.012 min  
Lab File: VY020684.D  
Acq: 23 Dec 2024 11:30

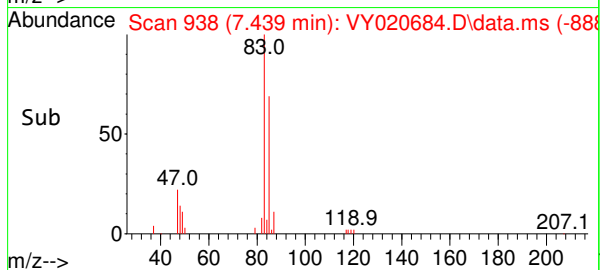
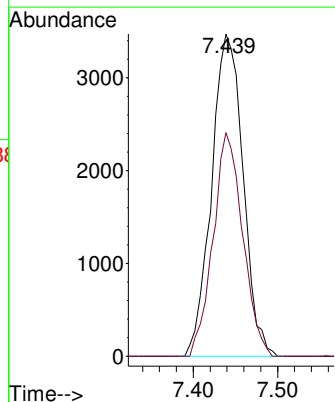
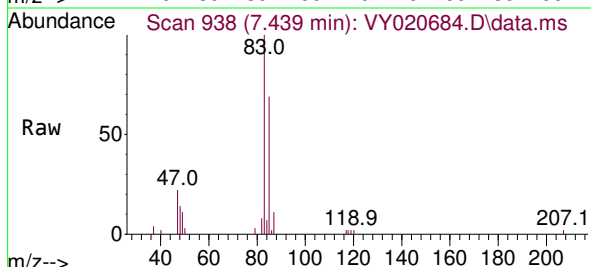
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

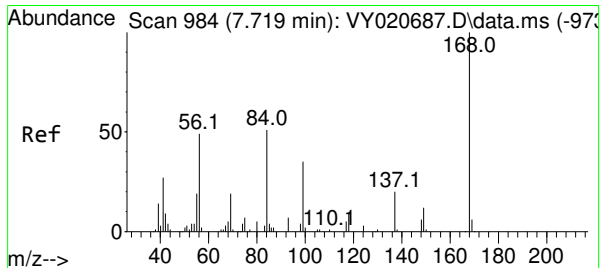
Tgt Ion: 42 Resp: 1992  
Ion Ratio Lower Upper  
42 100  
72 64.0 34.0 51.0#  
71 54.4 31.6 47.4#



#30  
Chloroform  
Concen: 5.021 ug/l  
RT: 7.439 min Scan# 938  
Delta R.T. 0.006 min  
Lab File: VY020684.D  
Acq: 23 Dec 2024 11:30

Tgt Ion: 83 Resp: 9018  
Ion Ratio Lower Upper  
83 100  
85 69.4 52.7 79.1

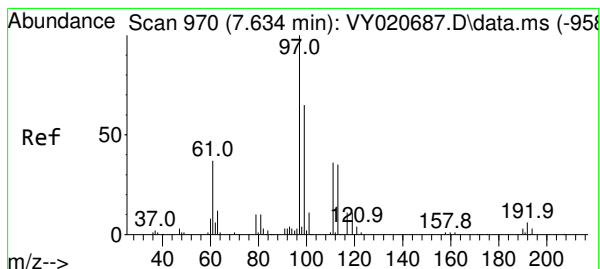
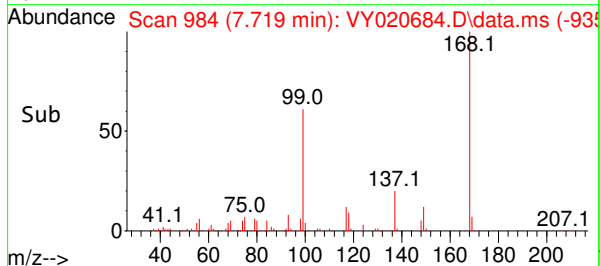
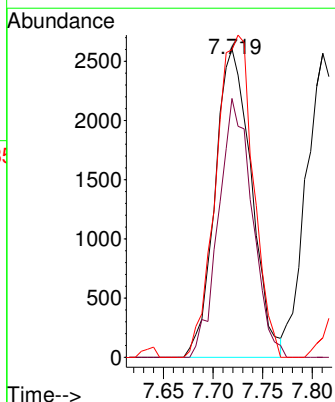
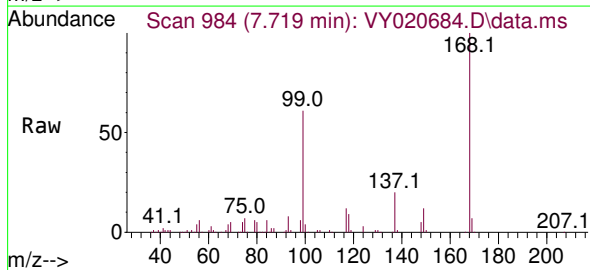




#31  
Cyclohexane  
Concen: 5.539 ug/l  
RT: 7.719 min Scan# 984  
Delta R.T. -0.000 min  
Lab File: VY020684.D  
Acq: 23 Dec 2024 11:30

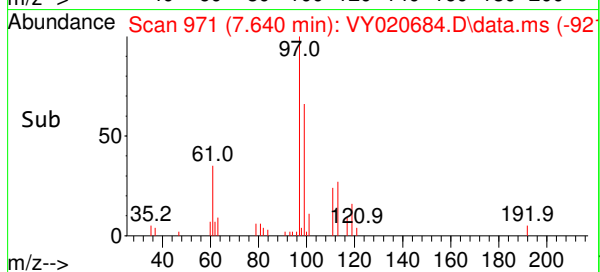
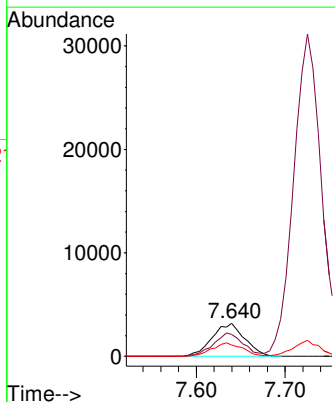
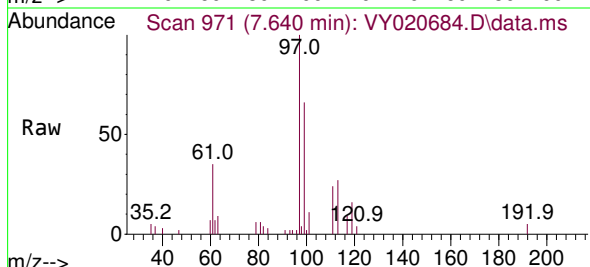
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

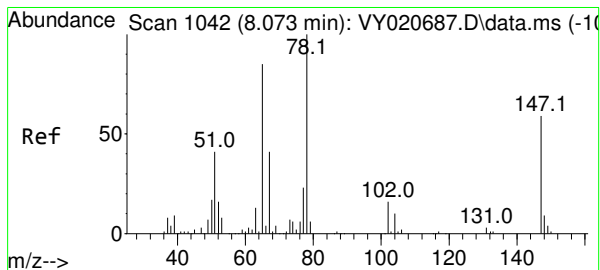
Tgt Ion: 56 Resp: 6636  
Ion Ratio Lower Upper  
56 100  
69 83.9 25.4 38.0#  
84 99.7 68.3 102.5



#32  
1,1,1-Trichloroethane  
Concen: 4.313 ug/l  
RT: 7.640 min Scan# 971  
Delta R.T. 0.006 min  
Lab File: VY020684.D  
Acq: 23 Dec 2024 11:30

Tgt Ion: 97 Resp: 8094  
Ion Ratio Lower Upper  
97 100  
99 66.0 51.6 77.4  
61 39.0 34.7 52.1





#33

1,2-Dichloroethane-d4

Concen: 2.480 ug/l

RT: 8.073 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY020684.D

Acq: 23 Dec 2024 11:30

Instrument :

MSVOA\_Y

ClientSampleId :

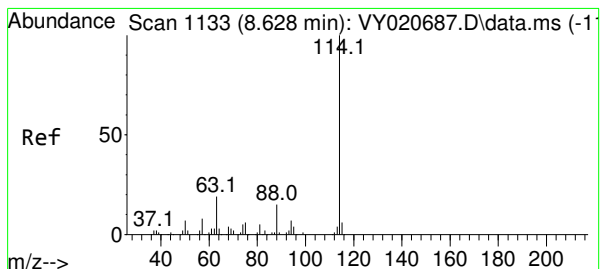
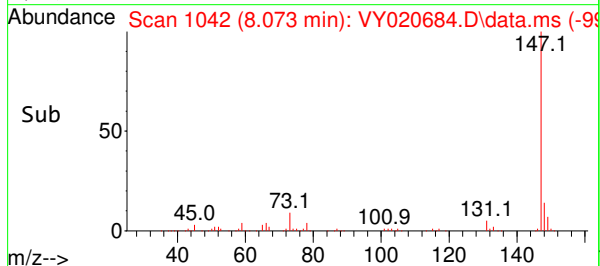
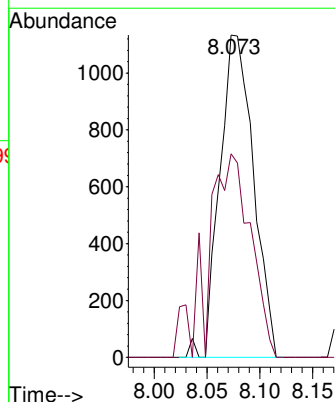
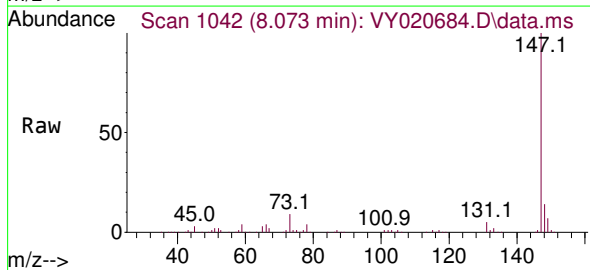
VSTDIC005

Tgt Ion: 65 Resp: 2518

Ion Ratio Lower Upper

65 100

67 75.1 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.628 min Scan# 1133

Delta R.T. -0.000 min

Lab File: VY020684.D

Acq: 23 Dec 2024 11:30

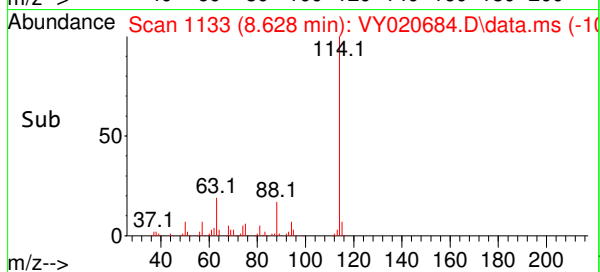
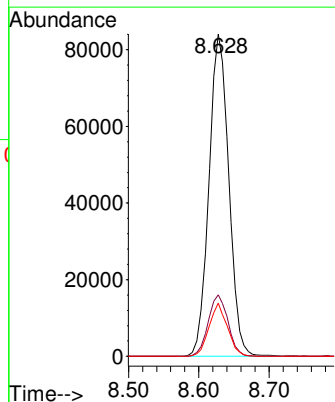
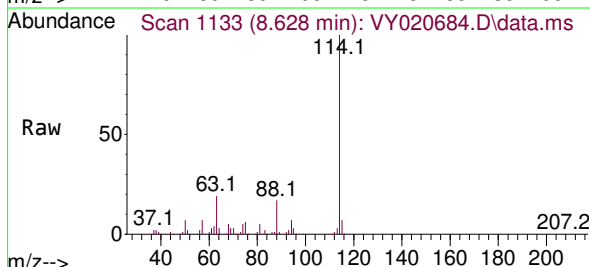
Tgt Ion:114 Resp: 164576

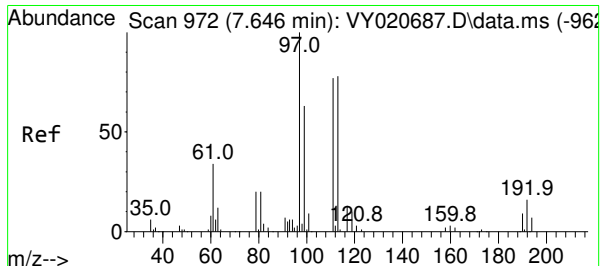
Ion Ratio Lower Upper

114 100

63 19.1 0.0 44.0

88 16.5 0.0 32.8

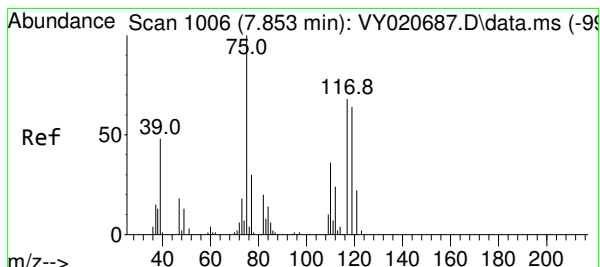
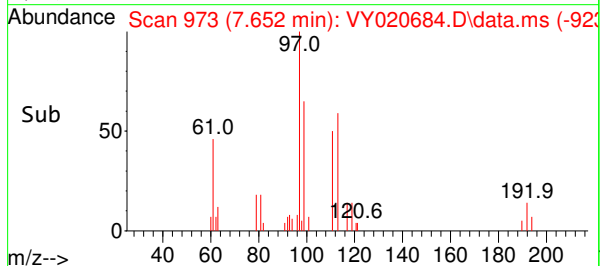
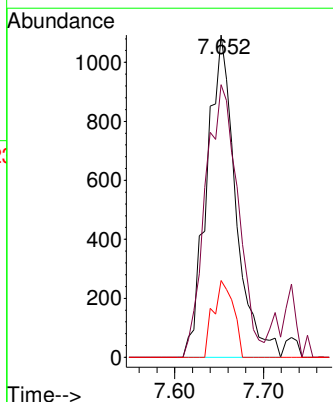
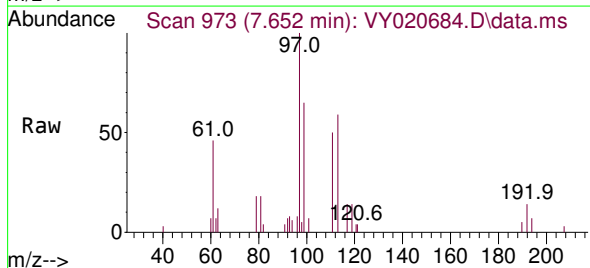




#35  
Dibromofluoromethane  
Concen: 2.561 ug/l  
RT: 7.652 min Scan# 972  
Delta R.T. 0.006 min  
Lab File: VY020684.D  
Acq: 23 Dec 2024 11:30

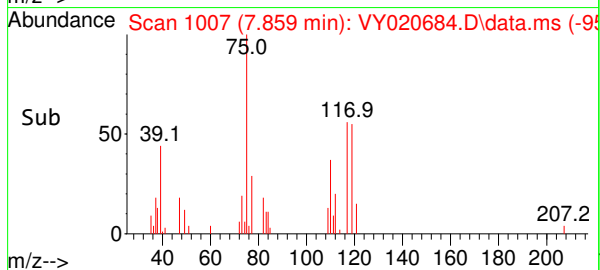
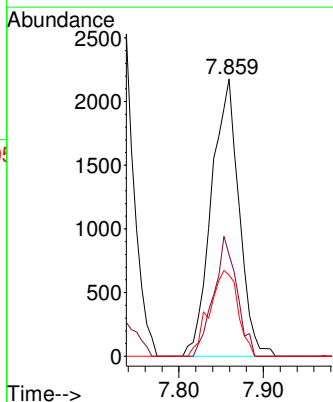
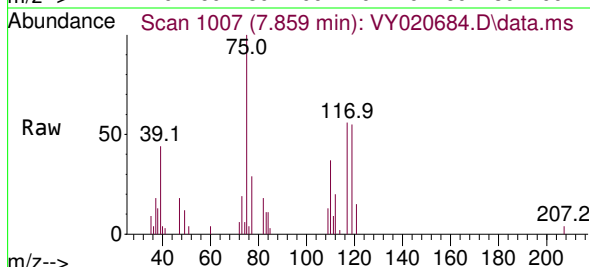
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC005

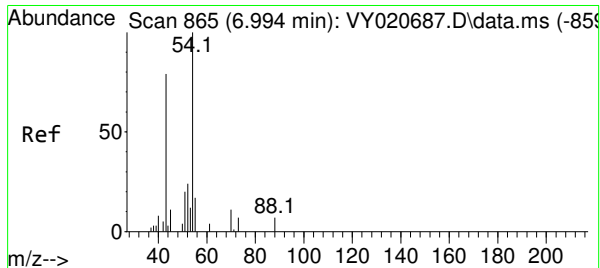
Tgt Ion: 113 Resp: 2475  
Ion Ratio Lower Upper  
113 100  
111 95.8 82.9 124.3  
192 16.6 15.7 23.5



#36  
1,1-Dichloropropene  
Concen: 4.238 ug/l  
RT: 7.859 min Scan# 1007  
Delta R.T. 0.006 min  
Lab File: VY020684.D  
Acq: 23 Dec 2024 11:30

Tgt Ion: 75 Resp: 4978  
Ion Ratio Lower Upper  
75 100  
110 36.2 16.8 50.4  
77 31.8 25.0 37.6

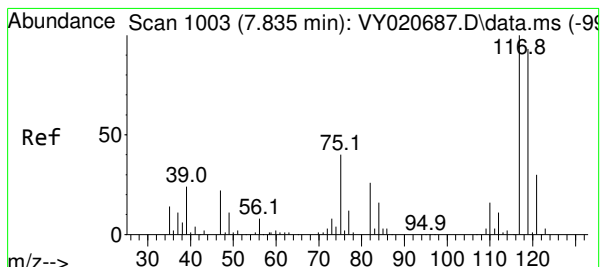
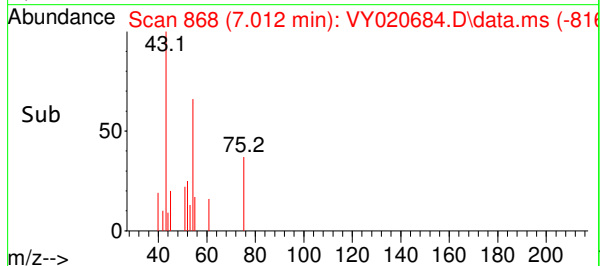
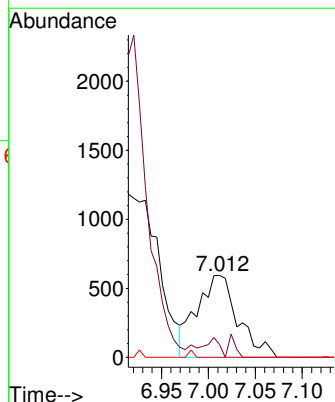
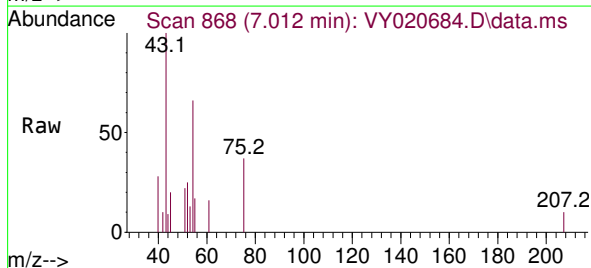




#37  
Ethyl Acetate  
Concen: 4.728 ug/l  
RT: 7.012 min Scan# 865  
Delta R.T. 0.018 min  
Lab File: VY020684.D  
Acq: 23 Dec 2024 11:30

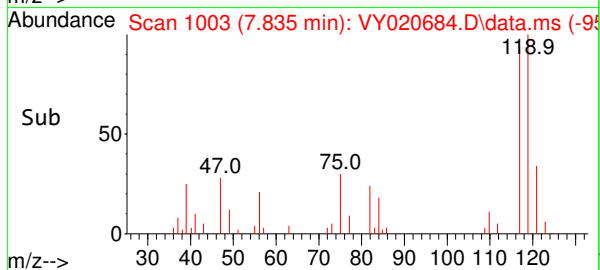
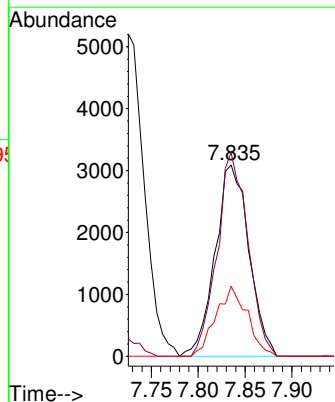
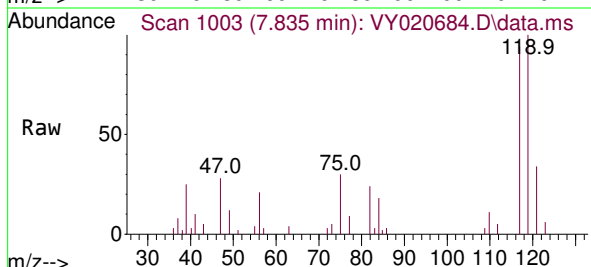
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

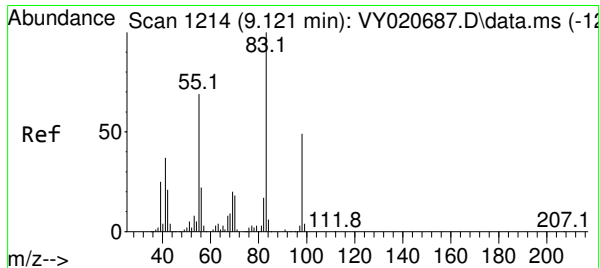
Tgt Ion: 43 Resp: 1815  
Ion Ratio Lower Upper  
43 100  
61 0.0 11.0 16.4#  
70 0.0 7.9 11.9#



#38  
Carbon Tetrachloride  
Concen: 4.086 ug/l  
RT: 7.835 min Scan# 1003  
Delta R.T. -0.000 min  
Lab File: VY020684.D  
Acq: 23 Dec 2024 11:30

Tgt Ion: 117 Resp: 7766  
Ion Ratio Lower Upper  
117 100  
119 106.5 78.3 117.5  
121 36.7 25.1 37.7

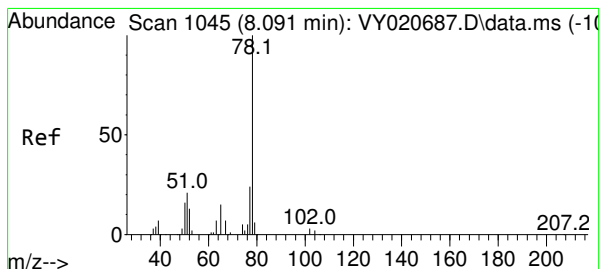
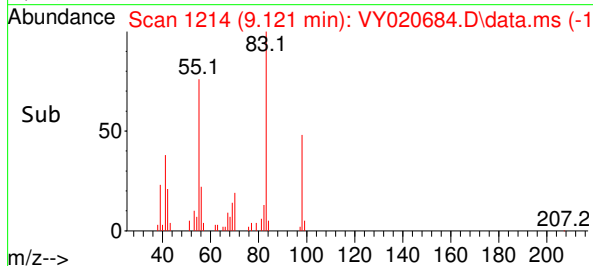
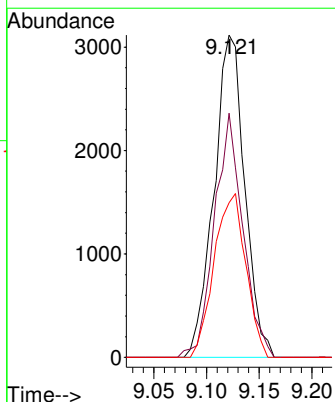
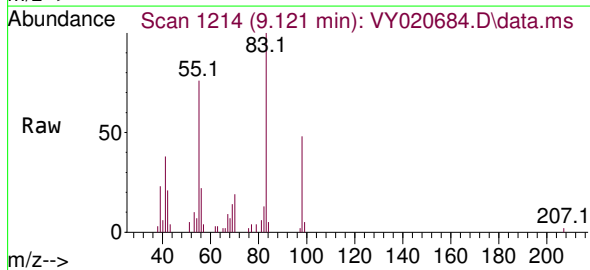




#39  
Methylcyclohexane  
Concen: 4.244 ug/l  
RT: 9.121 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VY020684.D  
Acq: 23 Dec 2024 11:30

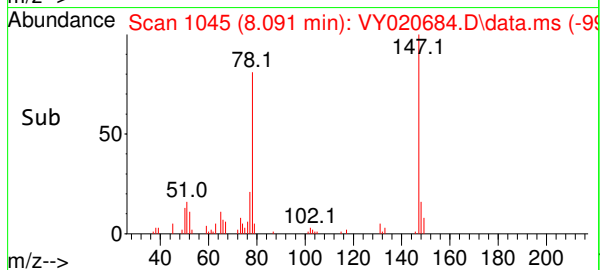
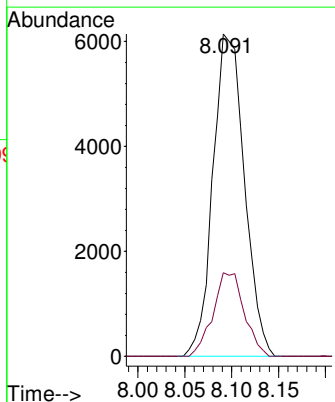
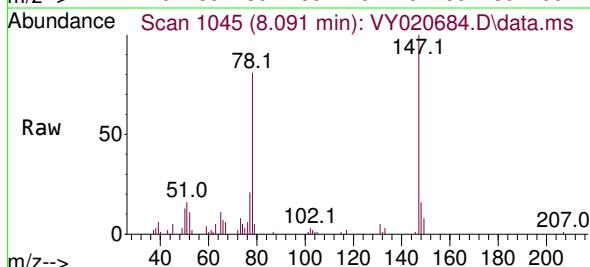
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC005

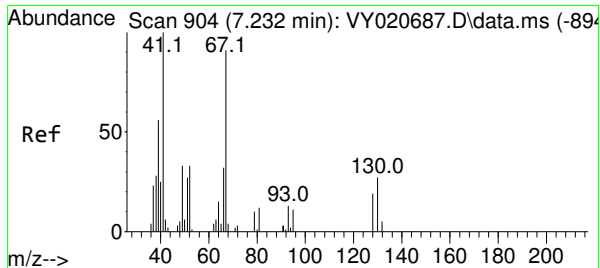
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 6337  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 55       | 75.7  | 61.4  | 92.0  |
| 98       | 47.9  | 37.3  | 55.9  |



#40  
Benzene  
Concen: 4.223 ug/l  
RT: 8.091 min Scan# 1045  
Delta R.T. -0.000 min  
Lab File: VY020684.D  
Acq: 23 Dec 2024 11:30

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 78    | Resp: | 14311 |
| Ion      | Ratio | Lower | Upper |
| 78       | 100   |       |       |
| 77       | 25.9  | 20.1  | 30.1  |

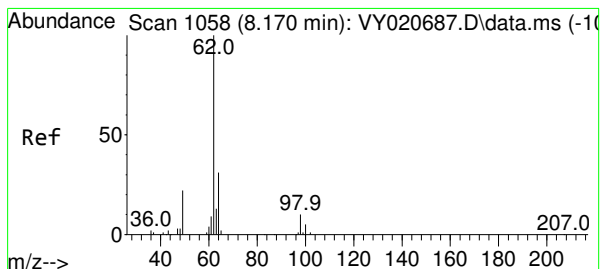
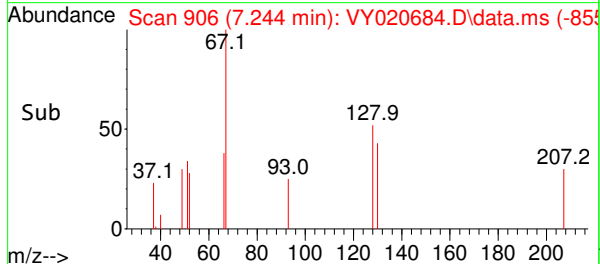
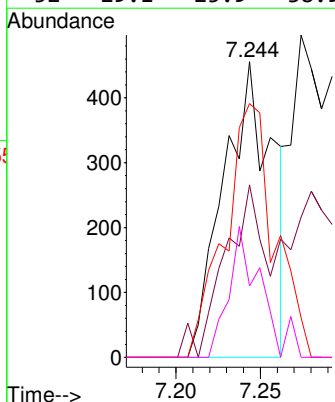
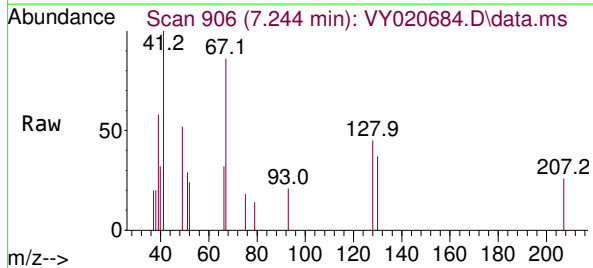




#41  
Methacrylonitrile  
Concen: 4.221 ug/l  
RT: 7.244 min Scan# 917  
Delta R.T. 0.012 min  
Lab File: VY020684.D  
Acq: 23 Dec 2024 11:30

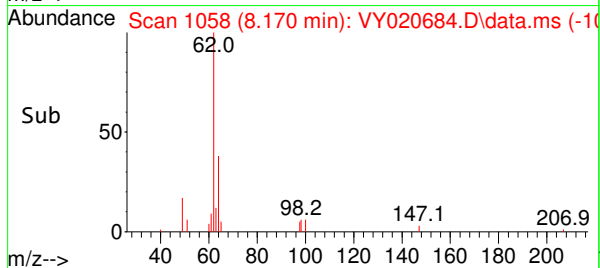
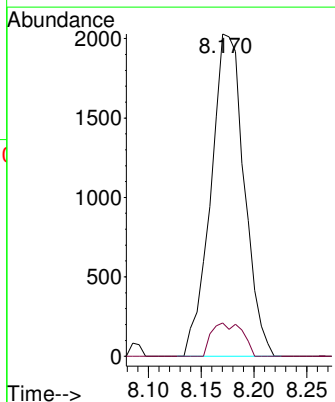
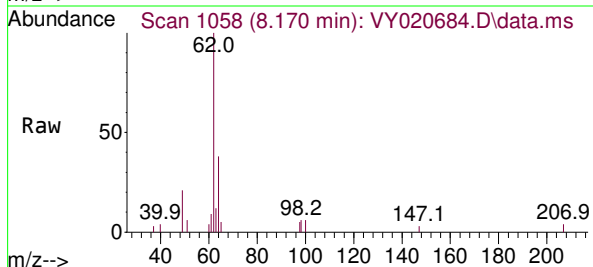
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

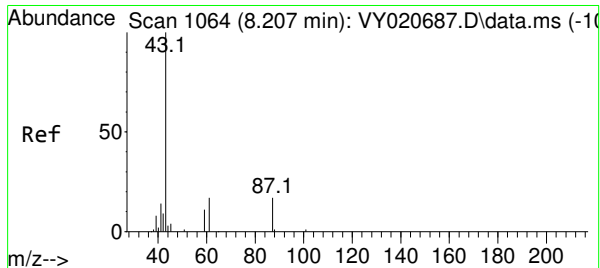
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 917   |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 47.3  | 53.6  | 80.4# |
| 67       | 87.0  | 62.0  | 93.0  |
| 52       | 29.1  | 25.9  | 38.9  |



#42  
1,2-Dichloroethane  
Concen: 4.145 ug/l  
RT: 8.170 min Scan# 1058  
Delta R.T. -0.000 min  
Lab File: VY020684.D  
Acq: 23 Dec 2024 11:30

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 4467  |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 9.6   | 0.0   | 18.0  |

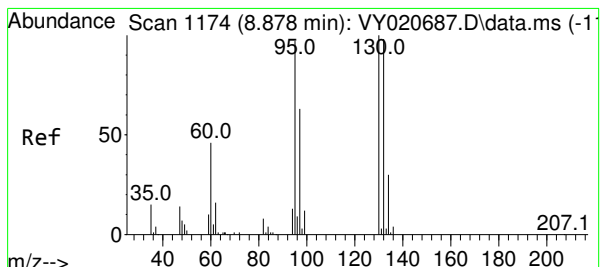
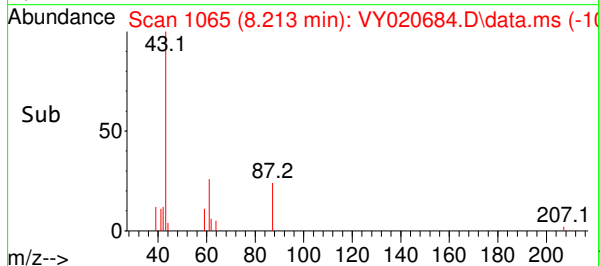
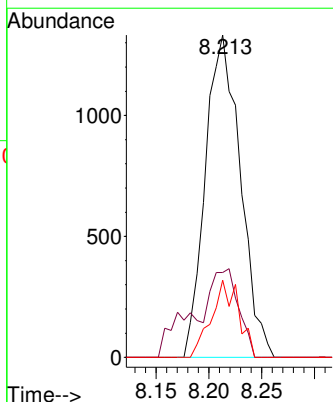
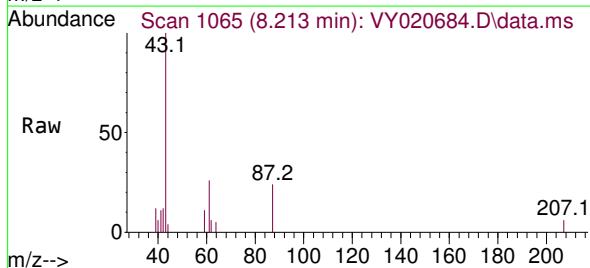




#43  
Isopropyl Acetate  
Concen: 3.863 ug/l  
RT: 8.213 min Scan# 1  
Delta R.T. 0.006 min  
Lab File: VY020684.D  
Acq: 23 Dec 2024 11:30

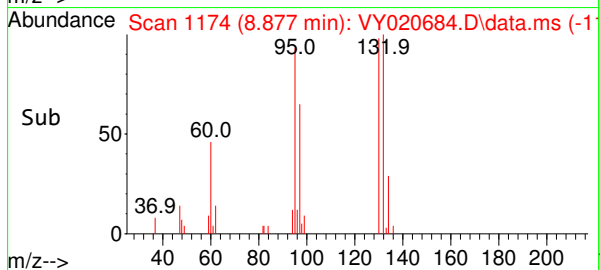
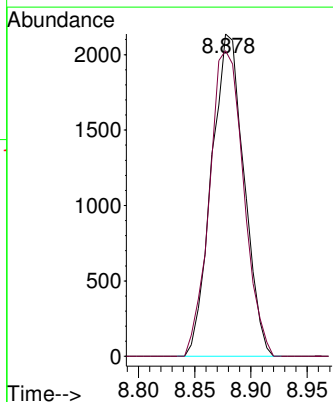
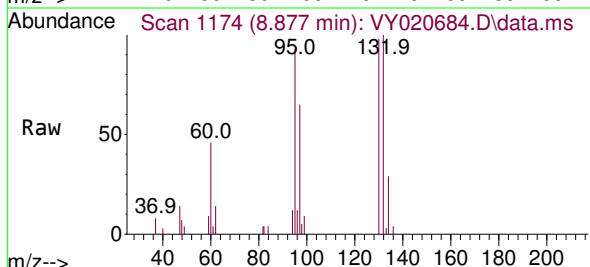
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC005

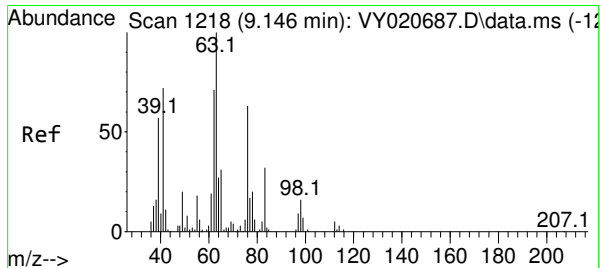
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 3082  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 22.0  | 23.8  | 35.6# |
| 87       | 18.6  | 10.2  | 15.4# |



#44  
Trichloroethene  
Concen: 4.265 ug/l  
RT: 8.877 min Scan# 1174  
Delta R.T. -0.000 min  
Lab File: VY020684.D  
Acq: 23 Dec 2024 11:30

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 4289  |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 94.8  | 0.0   | 203.2 |

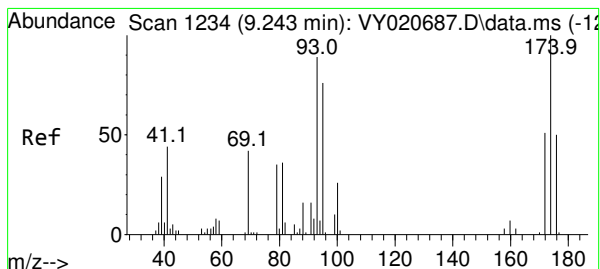
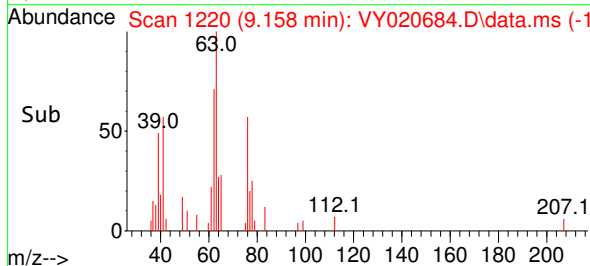
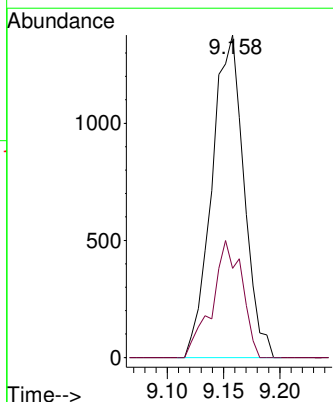
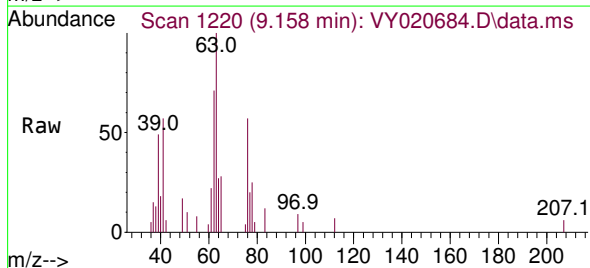




#45  
1,2-Dichloropropane  
Concen: 4.091 ug/l  
RT: 9.158 min Scan# 1  
Delta R.T. 0.012 min  
Lab File: VY020684.D  
Acq: 23 Dec 2024 11:30

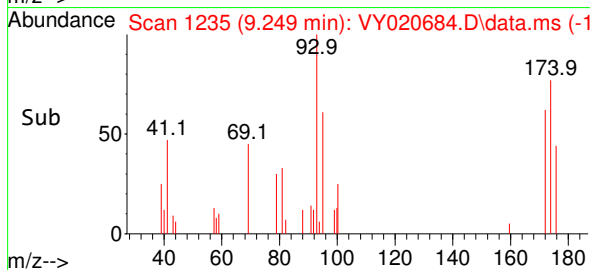
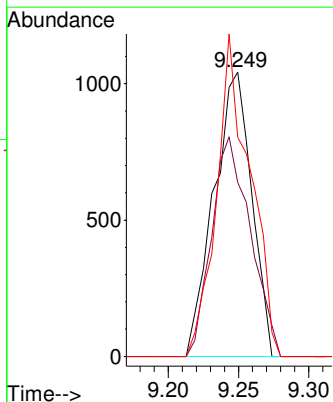
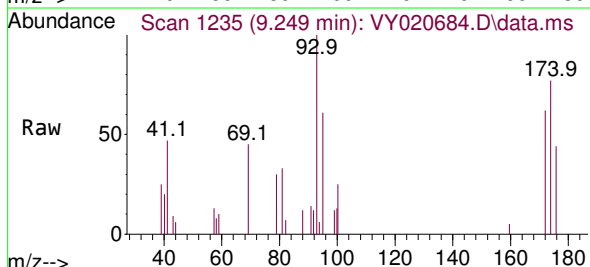
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC005

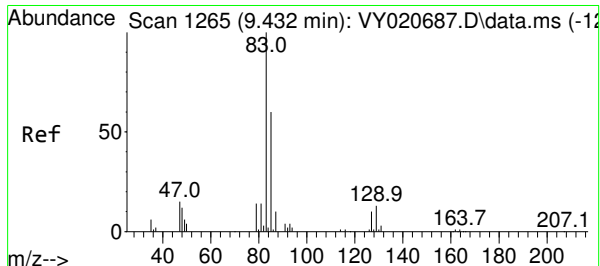
Tgt Ion: 63 Resp: 2724  
Ion Ratio Lower Upper  
63 100  
65 27.6 25.9 38.9



#46  
Dibromomethane  
Concen: 4.234 ug/l  
RT: 9.249 min Scan# 1235  
Delta R.T. 0.006 min  
Lab File: VY020684.D  
Acq: 23 Dec 2024 11:30

Tgt Ion: 93 Resp: 1946  
Ion Ratio Lower Upper  
93 100  
95 79.1 66.7 100.1  
174 100.2 77.8 116.6

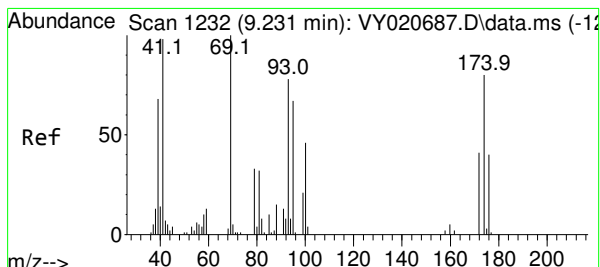
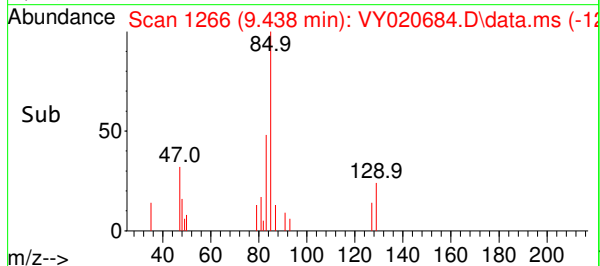
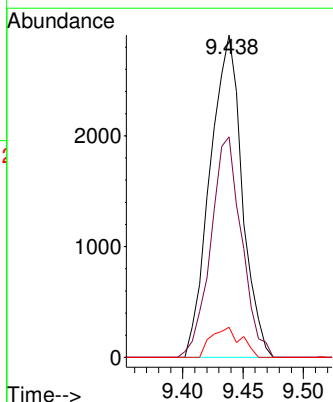
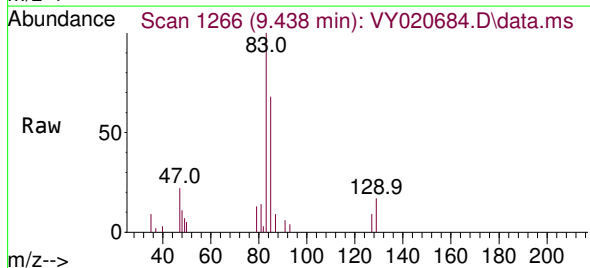




#47  
Bromodichloromethane  
Concen: 4.121 ug/l  
RT: 9.438 min Scan# 1  
Delta R.T. 0.006 min  
Lab File: VY020684.D  
Acq: 23 Dec 2024 11:30

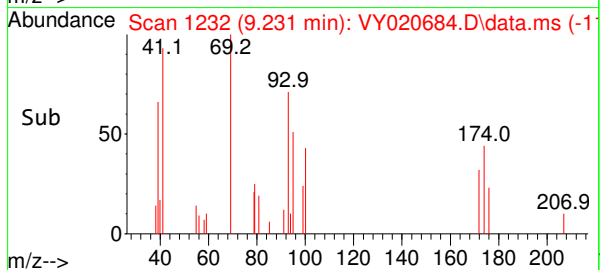
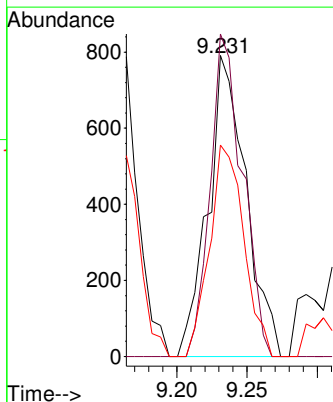
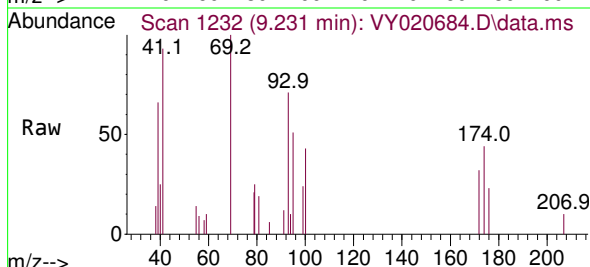
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC005

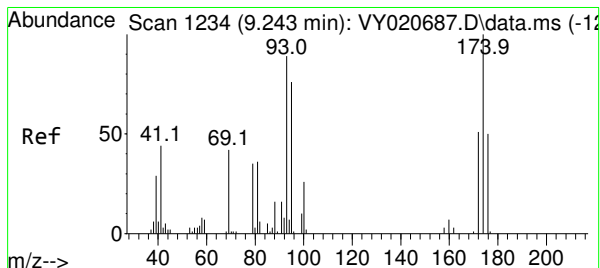
Tgt Ion: 83 Resp: 5373  
Ion Ratio Lower Upper  
83 100  
85 68.4 52.1 78.1  
127 9.4 6.7 10.1



#48  
Methyl methacrylate  
Concen: 3.913 ug/l  
RT: 9.231 min Scan# 1232  
Delta R.T. -0.000 min  
Lab File: VY020684.D  
Acq: 23 Dec 2024 11:30

Tgt Ion: 41 Resp: 1480  
Ion Ratio Lower Upper  
41 100  
69 91.6 67.2 100.8  
39 63.6 42.2 63.4#





#49

1,4-Dioxane

Concen: 66.488 ug/l

RT: 9.262 min Scan# 1

Delta R.T. 0.019 min

Lab File: VY020684.D

Acq: 23 Dec 2024 11:30

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC005

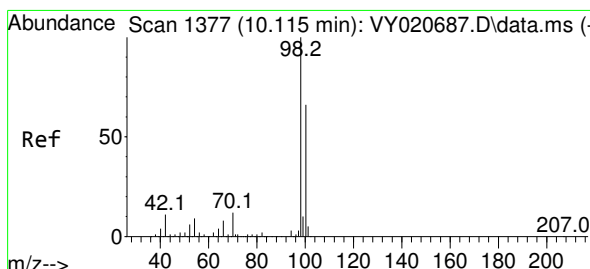
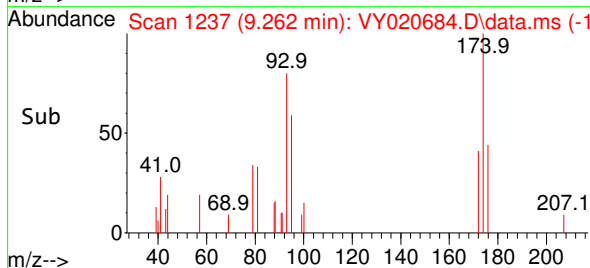
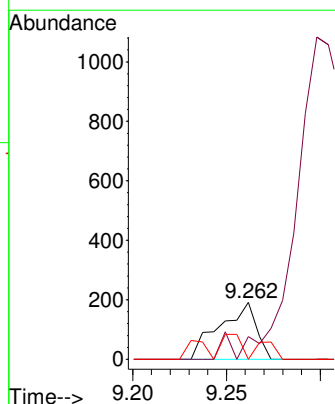
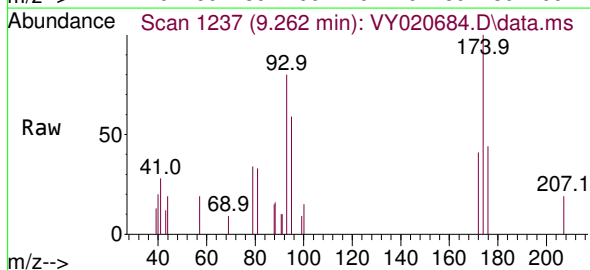
Tgt Ion: 88 Resp: 259

Ion Ratio Lower Upper

88 100

43 0.0 27.6 41.4#

58 23.6 61.7 92.5#



#50

Toluene-d8

Concen: 2.282 ug/l

RT: 10.121 min Scan# 1378

Delta R.T. 0.006 min

Lab File: VY020684.D

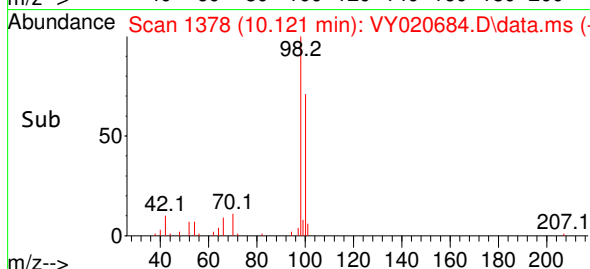
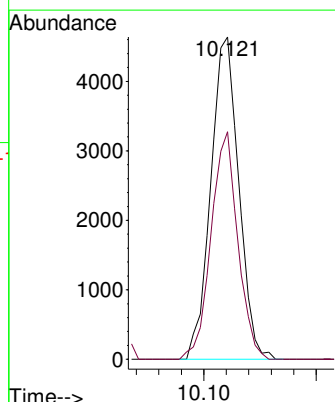
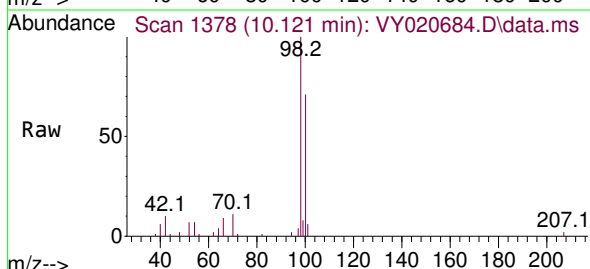
Acq: 23 Dec 2024 11:30

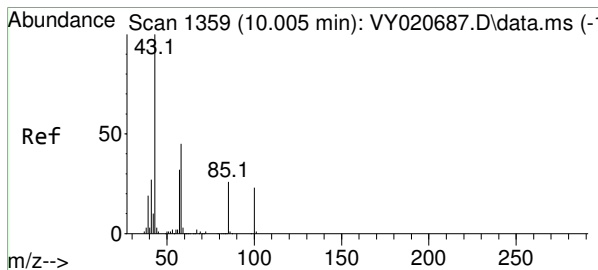
Tgt Ion: 98 Resp: 8008

Ion Ratio Lower Upper

98 100

100 67.4 52.1 78.1

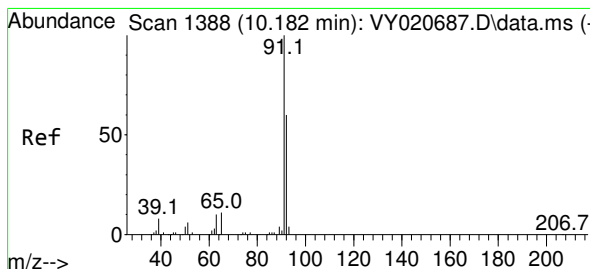
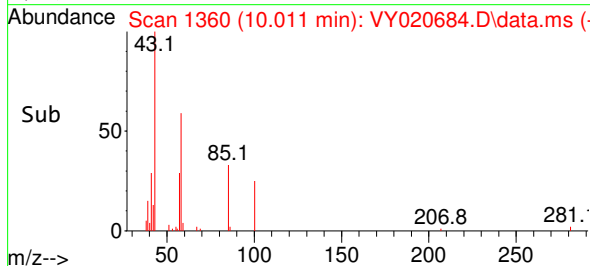
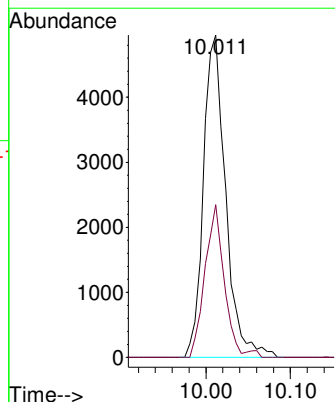
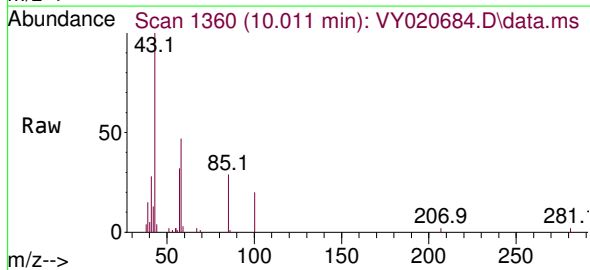




#51  
4-Methyl-2-Pentanone  
Concen: 22.757 ug/l  
RT: 10.011 min Scan# 1  
Delta R.T. 0.006 min  
Lab File: VY020684.D  
Acq: 23 Dec 2024 11:30

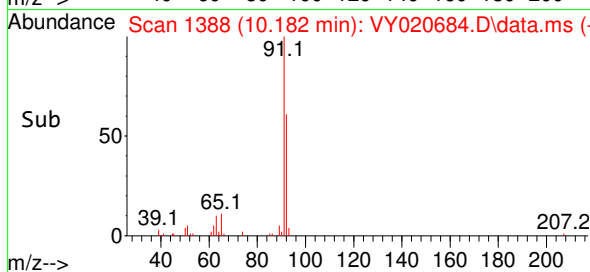
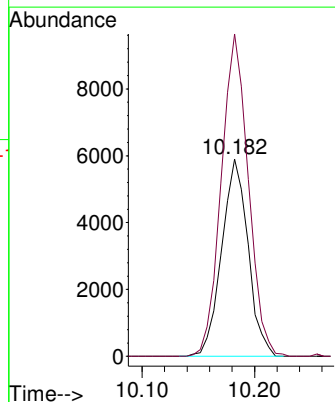
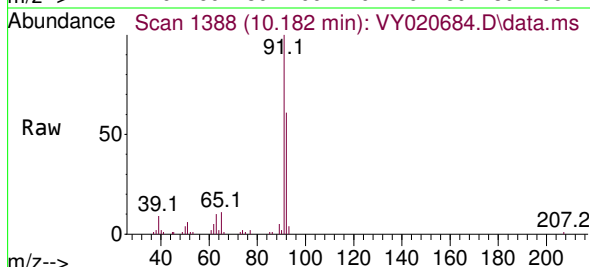
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC005

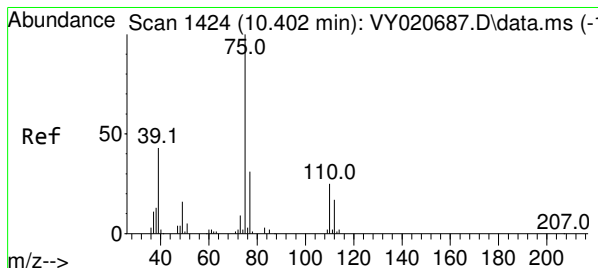
Tgt Ion: 43 Resp: 9070  
Ion Ratio Lower Upper  
43 100  
58 40.7 31.4 47.2



#52  
Toluene  
Concen: 4.153 ug/l  
RT: 10.182 min Scan# 1388  
Delta R.T. -0.000 min  
Lab File: VY020684.D  
Acq: 23 Dec 2024 11:30

Tgt Ion: 92 Resp: 9584  
Ion Ratio Lower Upper  
92 100  
91 167.7 137.4 206.0

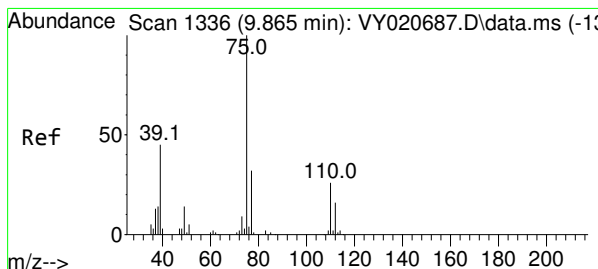
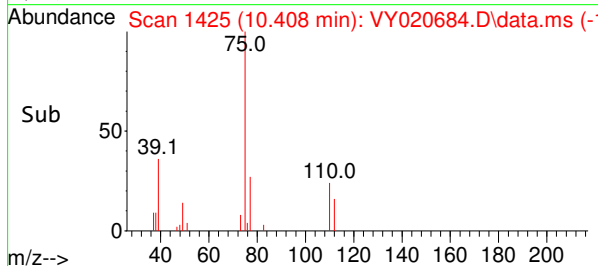
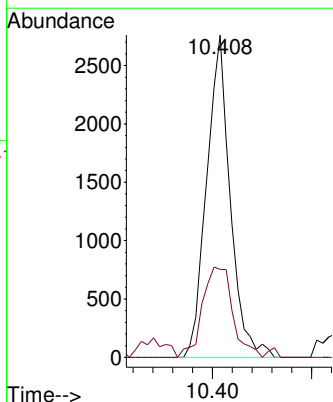
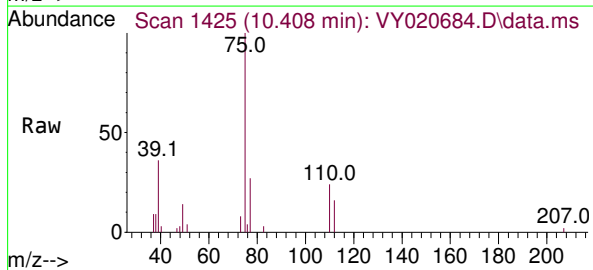




#53  
t-1,3-Dichloropropene  
Concen: 3.946 ug/l  
RT: 10.408 min Scan# 1  
Delta R.T. 0.006 min  
Lab File: VY020684.D  
Acq: 23 Dec 2024 11:30

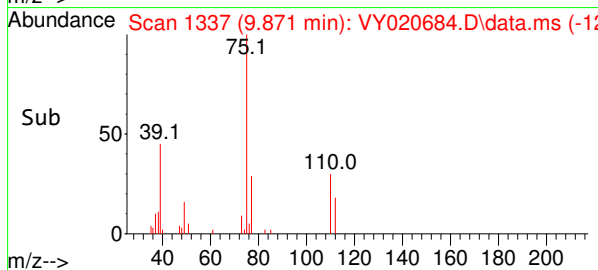
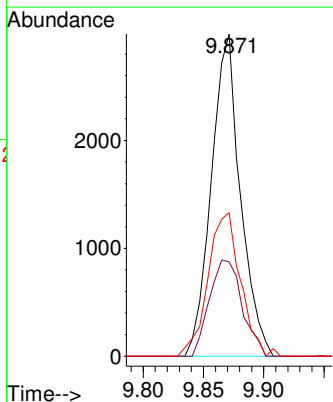
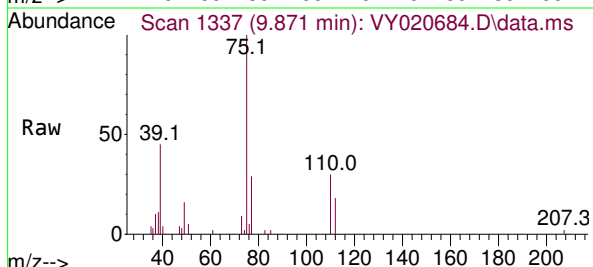
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

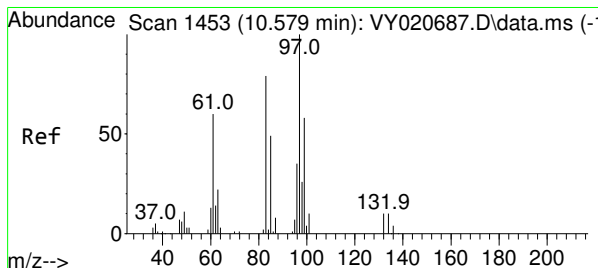
Tgt Ion: 75 Resp: 4552  
Ion Ratio Lower Upper  
75 100  
77 27.3 25.4 38.2



#54  
cis-1,3-Dichloropropene  
Concen: 3.931 ug/l  
RT: 9.871 min Scan# 1337  
Delta R.T. 0.006 min  
Lab File: VY020684.D  
Acq: 23 Dec 2024 11:30

Tgt Ion: 75 Resp: 4997  
Ion Ratio Lower Upper  
75 100  
77 29.3 24.6 36.8  
39 44.5 36.4 54.6





#55

1,1,2-Trichloroethane

Concen: 4.249 ug/l

RT: 10.578 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY020684.D

Acq: 23 Dec 2024 11:30

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC005

Tgt Ion: 97 Resp: 2529

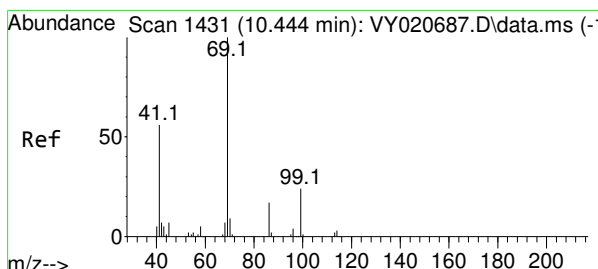
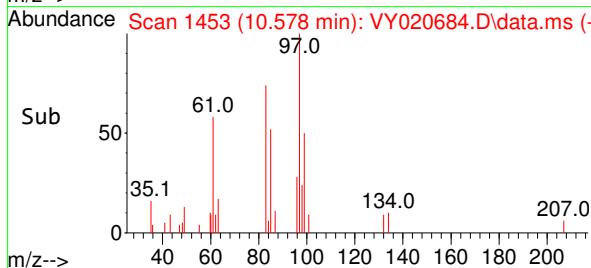
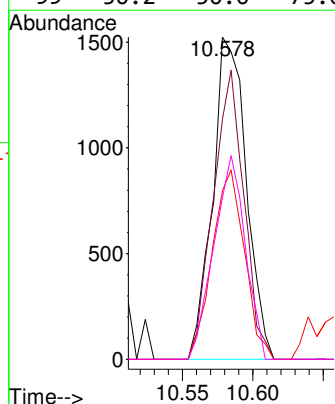
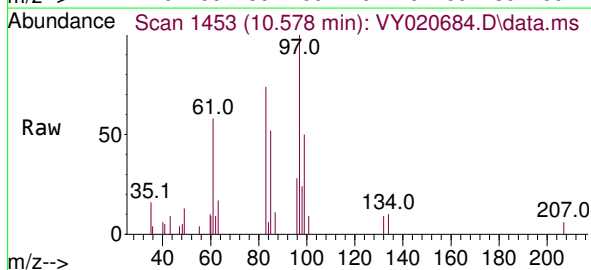
Ion Ratio Lower Upper

97 100

83 74.4 70.4 105.6

85 52.2 47.2 70.8

99 50.2 50.0 75.0



#56

Ethyl methacrylate

Concen: 3.682 ug/l

RT: 10.450 min Scan# 1432

Delta R.T. 0.006 min

Lab File: VY020684.D

Acq: 23 Dec 2024 11:30

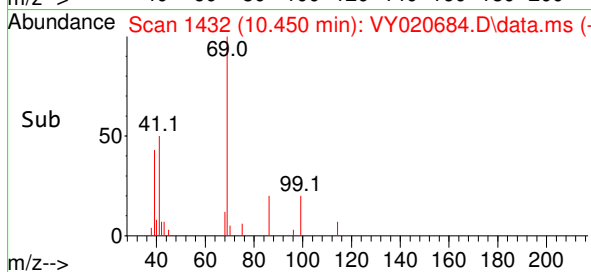
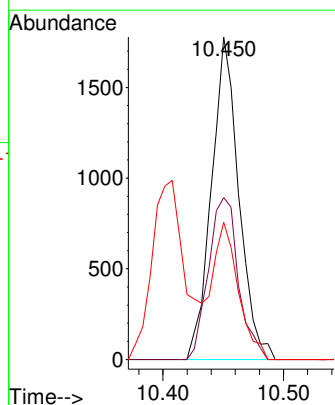
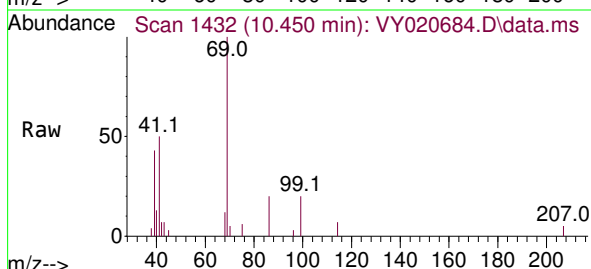
Tgt Ion: 69 Resp: 2795

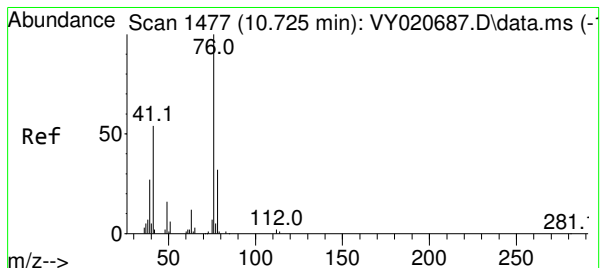
Ion Ratio Lower Upper

69 100

41 55.0 54.0 81.0

39 40.2 27.9 41.9





#57

1,3-Dichloropropane

Concen: 4.092 ug/l

RT: 10.731 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY020684.D

Acq: 23 Dec 2024 11:30

Instrument :

MSVOA\_Y

ClientSampleId :

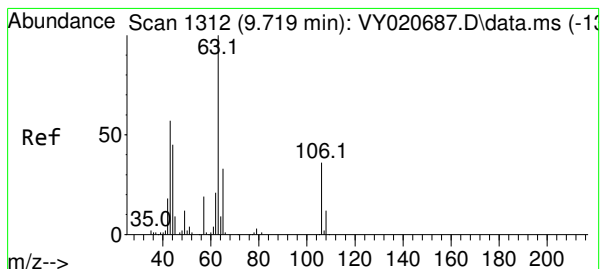
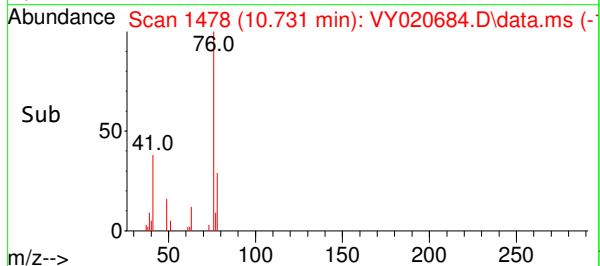
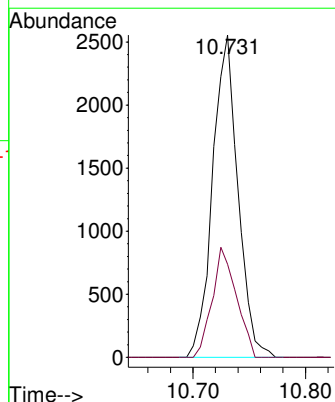
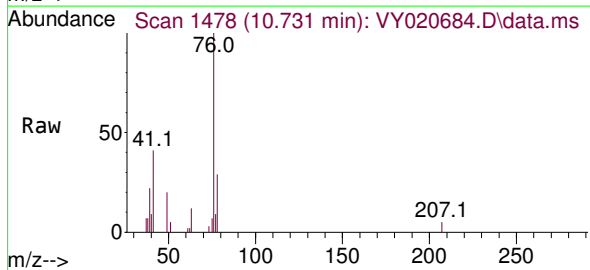
VSTDIC005

Tgt Ion: 76 Resp: 3981

Ion Ratio Lower Upper

76 100

78 32.6 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 21.573 ug/l

RT: 9.725 min Scan# 1313

Delta R.T. 0.006 min

Lab File: VY020684.D

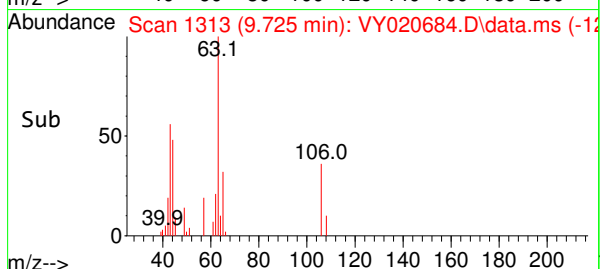
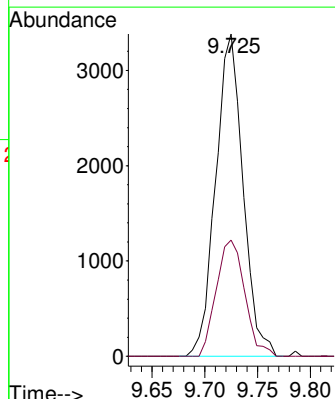
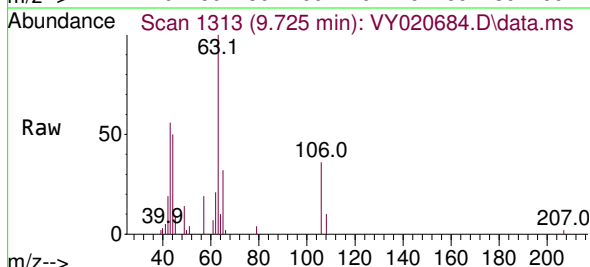
Acq: 23 Dec 2024 11:30

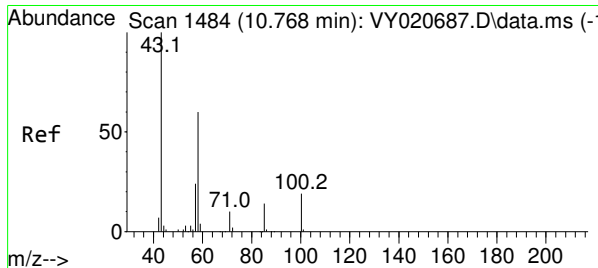
Tgt Ion: 63 Resp: 6120

Ion Ratio Lower Upper

63 100

106 37.5 21.5 32.3#

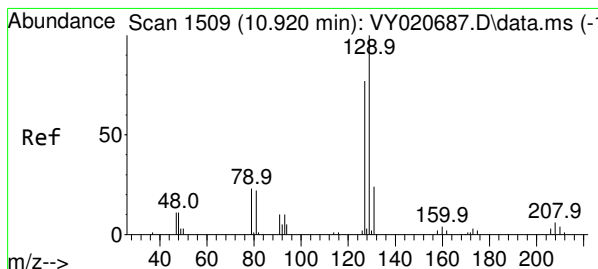
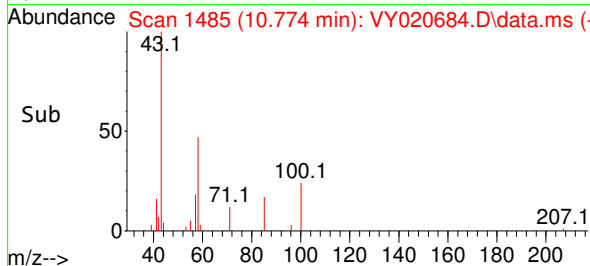
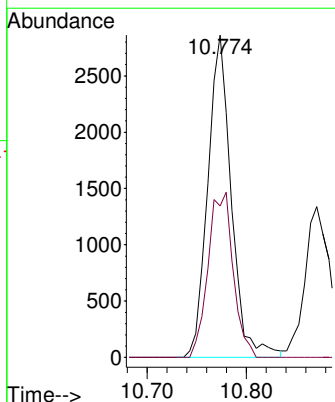
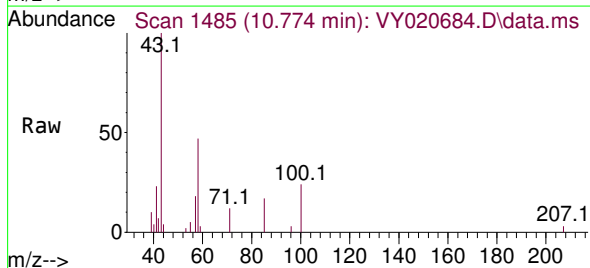




#59  
2-Hexanone  
Concen: 18.580 ug/l  
RT: 10.774 min Scan# 1  
Delta R.T. 0.006 min  
Lab File: VY020684.D  
Acq: 23 Dec 2024 11:30

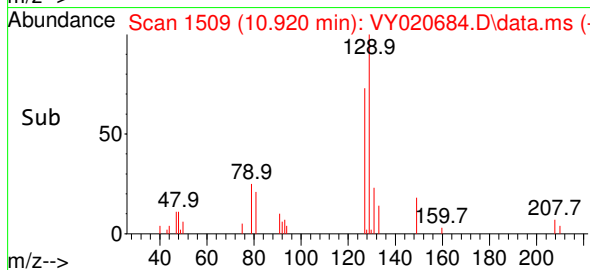
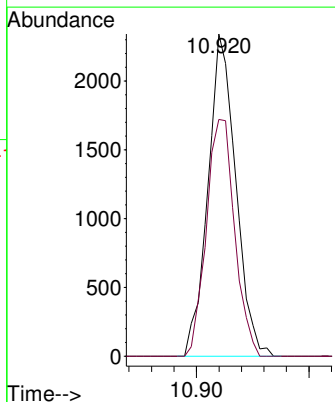
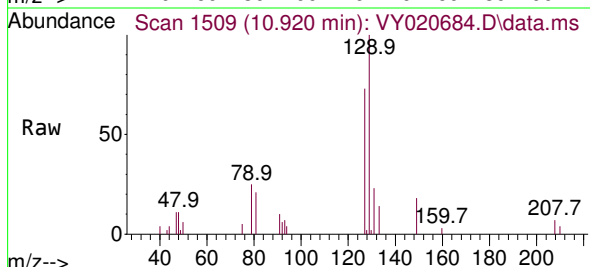
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

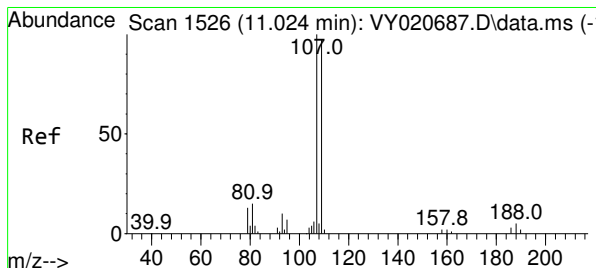
Tgt Ion: 43 Resp: 4717  
Ion Ratio Lower Upper  
43 100  
58 54.7 27.2 81.6



#60  
Dibromochloromethane  
Concen: 4.222 ug/l  
RT: 10.920 min Scan# 1509  
Delta R.T. -0.000 min  
Lab File: VY020684.D  
Acq: 23 Dec 2024 11:30

Tgt Ion: 129 Resp: 4012  
Ion Ratio Lower Upper  
129 100  
127 74.8 38.1 114.3





#61

1,2-Dibromoethane

Concen: 3.889 ug/l

RT: 11.030 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY020684.D

Acq: 23 Dec 2024 11:30

Instrument :

MSVOA\_Y

ClientSampleId :

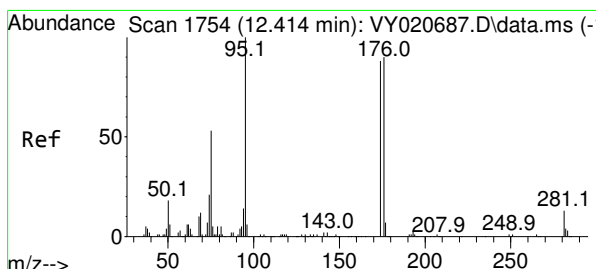
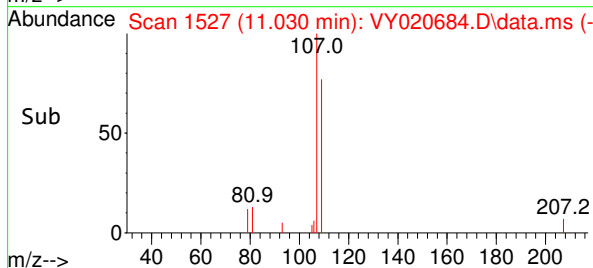
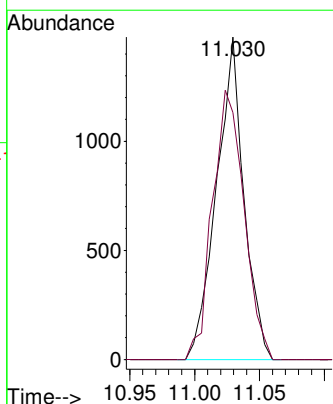
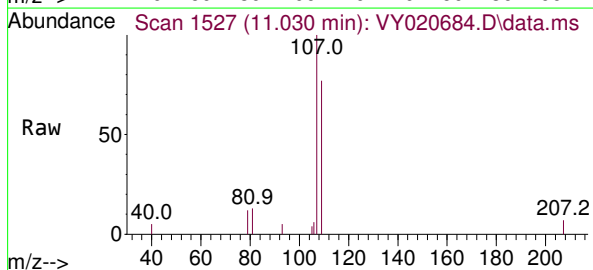
VSTDIC005

Tgt Ion:107 Resp: 2170

Ion Ratio Lower Upper

107 100

109 96.3 75.4 113.2



#62

4-Bromofluorobenzene

Concen: 2.619 ug/l

RT: 12.413 min Scan# 1754

Delta R.T. -0.001 min

Lab File: VY020684.D

Acq: 23 Dec 2024 11:30

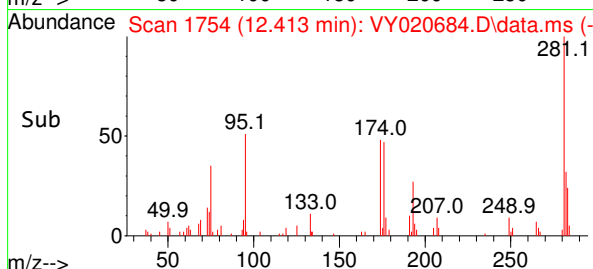
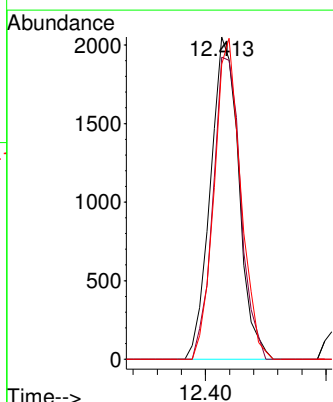
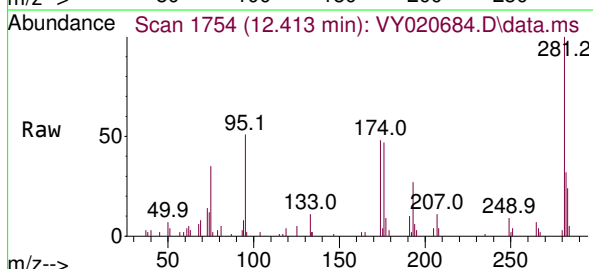
Tgt Ion: 95 Resp: 3346

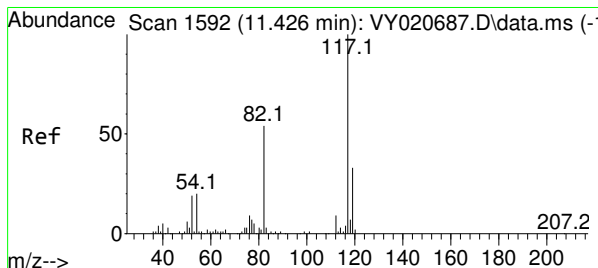
Ion Ratio Lower Upper

95 100

174 91.1 0.0 161.8

176 92.8 0.0 156.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.426 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY020684.D

Acq: 23 Dec 2024 11:30

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC005

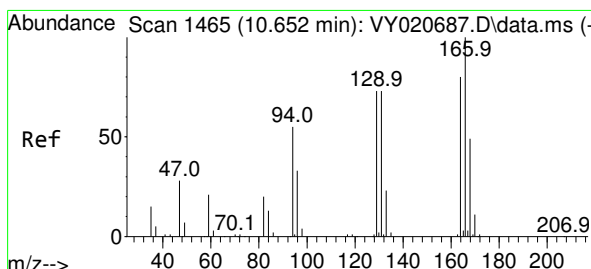
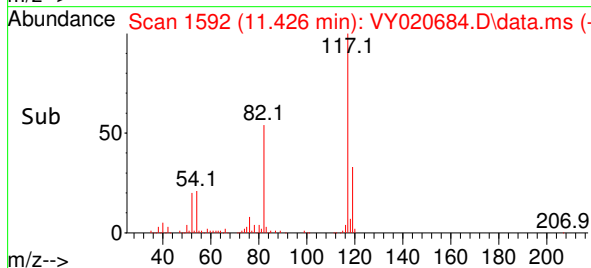
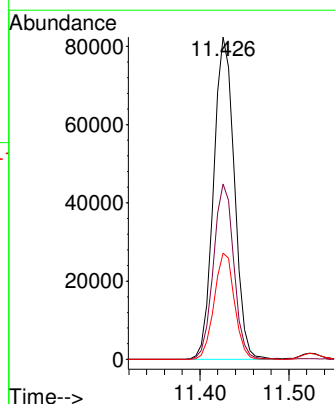
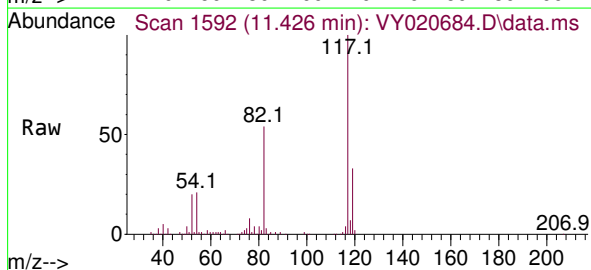
Tgt Ion:117 Resp: 134316

Ion Ratio Lower Upper

117 100

82 54.4 45.8 68.6

119 32.9 25.3 37.9



#64

Tetrachloroethene

Concen: 4.124 ug/l

RT: 10.658 min Scan# 1466

Delta R.T. 0.006 min

Lab File: VY020684.D

Acq: 23 Dec 2024 11:30

Tgt Ion:164 Resp: 3679

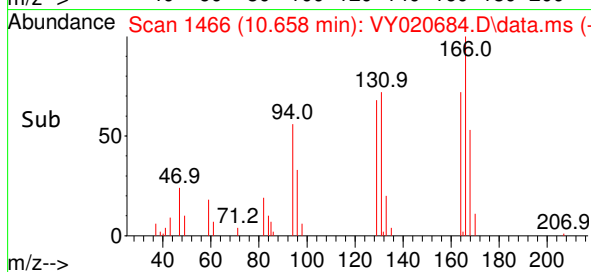
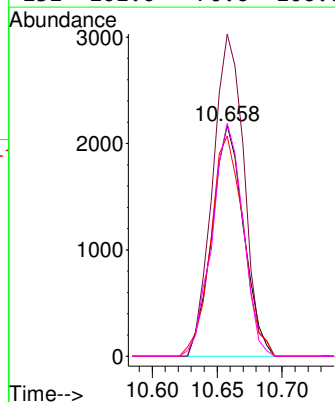
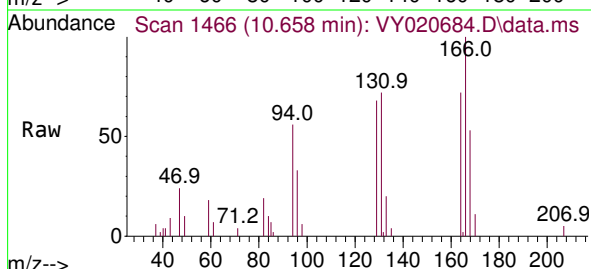
Ion Ratio Lower Upper

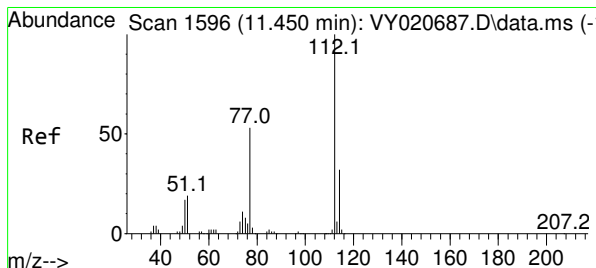
164 100

166 139.7 97.9 146.9

129 95.4 73.4 110.0

131 101.0 70.6 106.0

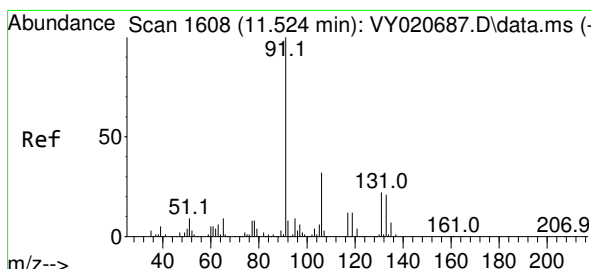
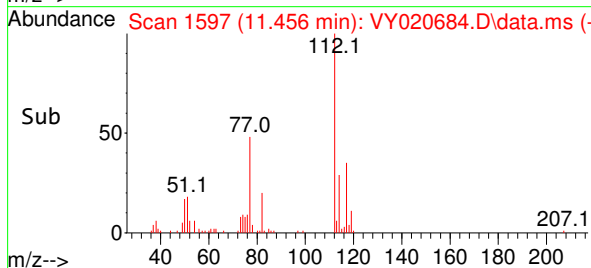
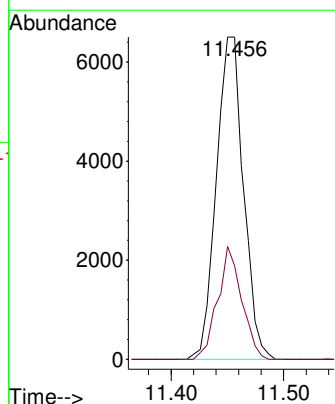
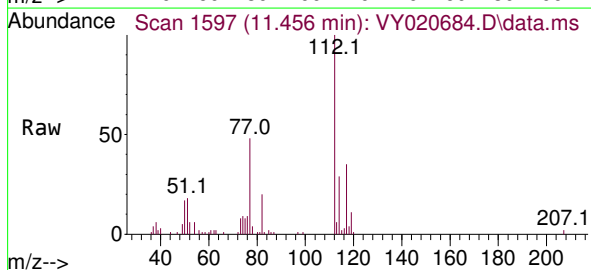




#65  
Chlorobenzene  
Concen: 4.339 ug/l  
RT: 11.456 min Scan# 1  
Delta R.T. 0.006 min  
Lab File: VY020684.D  
Acq: 23 Dec 2024 11:30

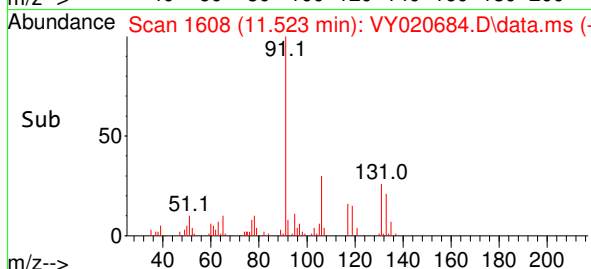
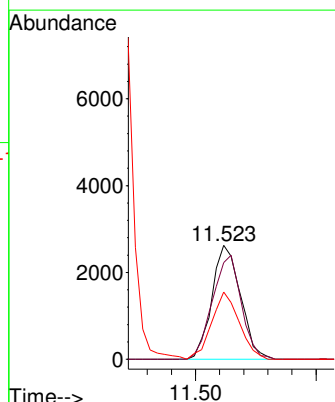
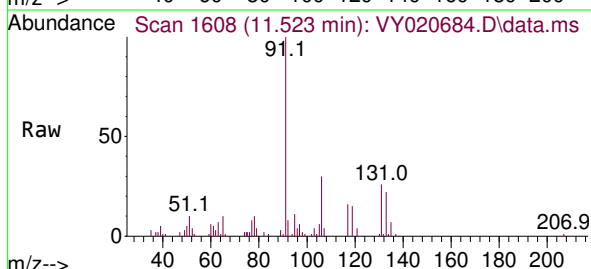
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

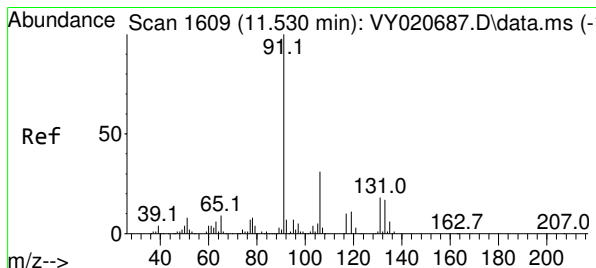
Tgt Ion:112 Resp: 10890  
Ion Ratio Lower Upper  
112 100  
114 29.1 26.0 39.0



#66  
1,1,1,2-Tetrachloroethane  
Concen: 4.398 ug/l  
RT: 11.523 min Scan# 1608  
Delta R.T. -0.000 min  
Lab File: VY020684.D  
Acq: 23 Dec 2024 11:30

Tgt Ion:131 Resp: 4311  
Ion Ratio Lower Upper  
131 100  
133 92.0 46.8 140.3  
119 57.1 31.8 95.3





#67

Ethyl Benzene

Concen: 4.168 ug/l

RT: 11.529 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY020684.D

Acq: 23 Dec 2024 11:30

Instrument :

MSVOA\_Y

ClientSampleId :

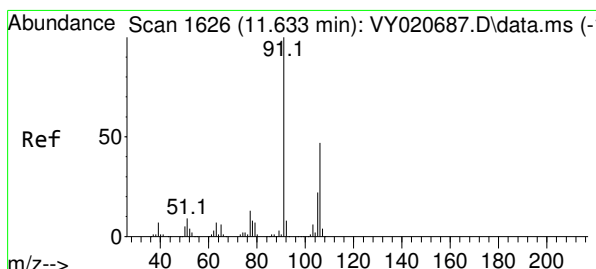
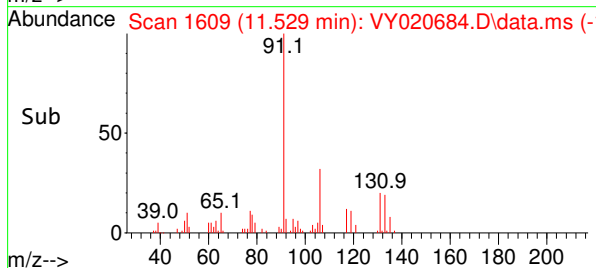
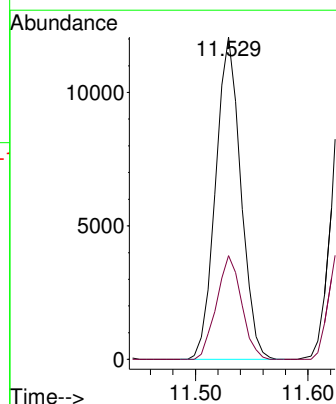
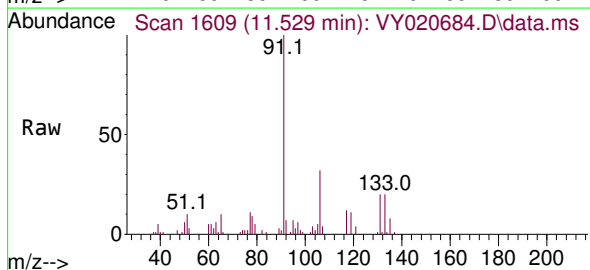
VSTDICC005

Tgt Ion: 91 Resp: 18768

Ion Ratio Lower Upper

91 100

106 32.2 23.9 35.9



#68

m/p-Xylenes

Concen: 8.311 ug/l

RT: 11.639 min Scan# 1627

Delta R.T. 0.006 min

Lab File: VY020684.D

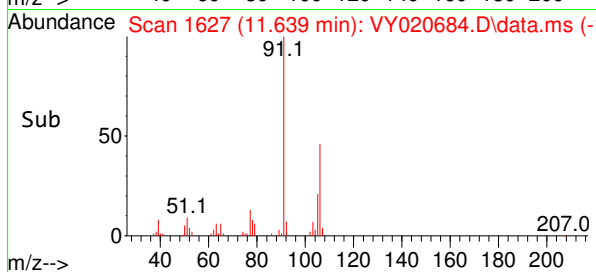
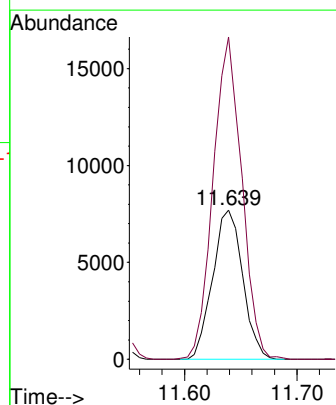
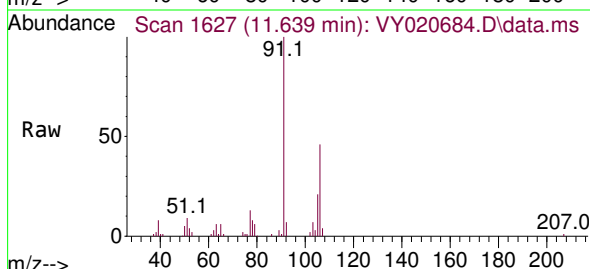
Acq: 23 Dec 2024 11:30

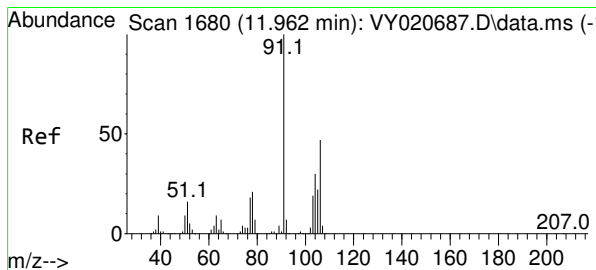
Tgt Ion:106 Resp: 14272

Ion Ratio Lower Upper

106 100

91 206.0 165.0 247.4

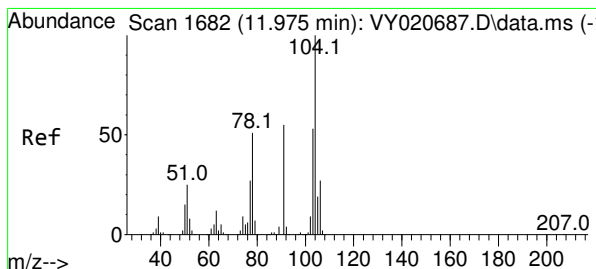
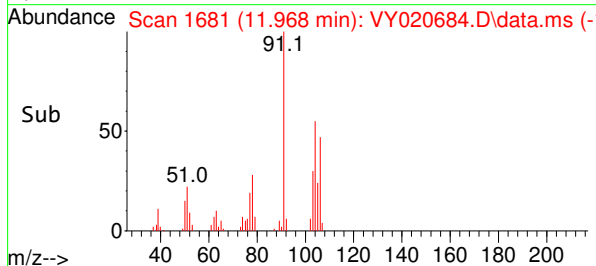
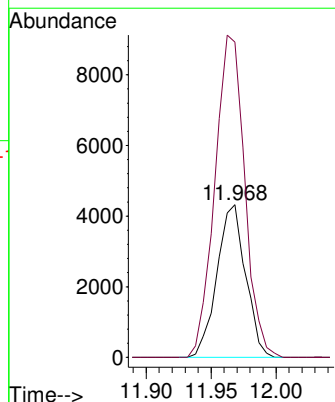
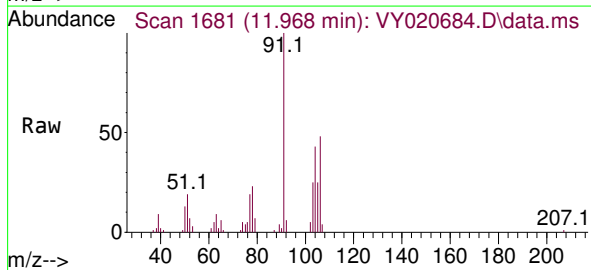




#69  
o-Xylene  
Concen: 4.102 ug/l  
RT: 11.968 min Scan# 1  
Delta R.T. 0.006 min  
Lab File: VY020684.D  
Acq: 23 Dec 2024 11:30

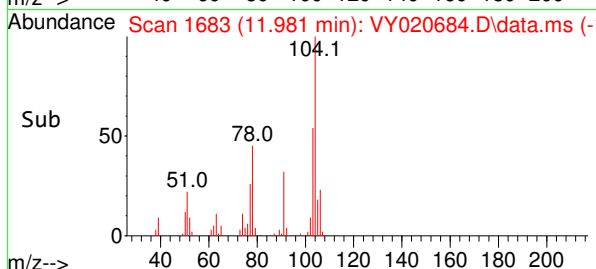
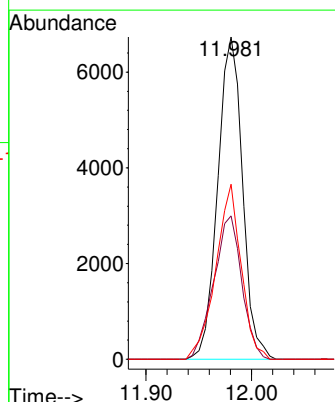
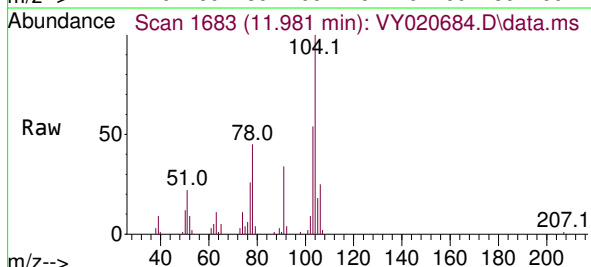
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

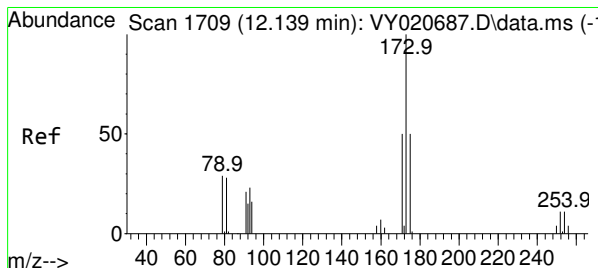
Tgt Ion:106 Resp: 6616  
Ion Ratio Lower Upper  
106 100  
91 220.5 108.4 325.2



#70  
Styrene  
Concen: 4.073 ug/l  
RT: 11.981 min Scan# 1683  
Delta R.T. 0.006 min  
Lab File: VY020684.D  
Acq: 23 Dec 2024 11:30

Tgt Ion:104 Resp: 11050  
Ion Ratio Lower Upper  
104 100  
78 50.5 41.6 62.4  
103 55.6 43.7 65.5





#71

Bromoform

Concen: 4.295 ug/l

RT: 12.145 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY020684.D

Acq: 23 Dec 2024 11:30

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC005

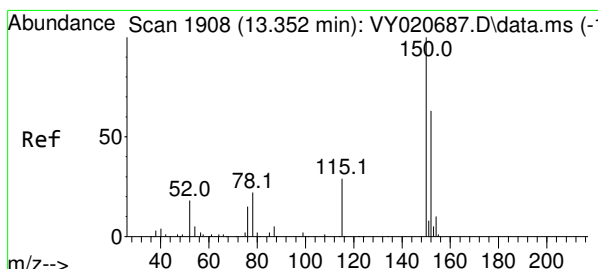
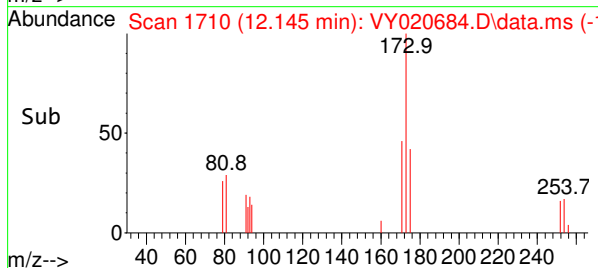
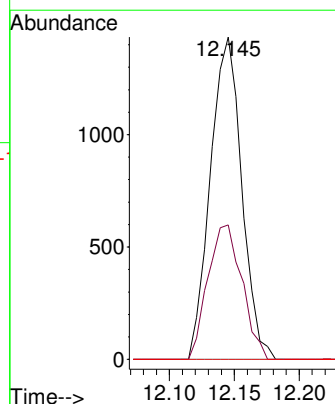
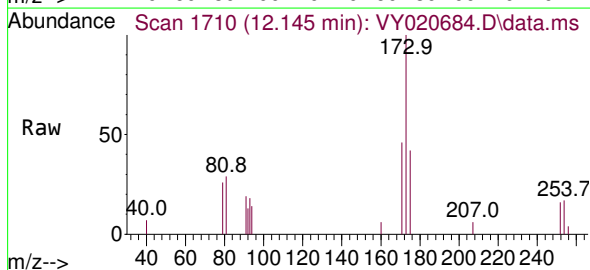
Tgt Ion:173 Resp: 2411

Ion Ratio Lower Upper

173 100

175 45.5 24.6 74.0

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.358 min Scan# 1909

Delta R.T. 0.006 min

Lab File: VY020684.D

Acq: 23 Dec 2024 11:30

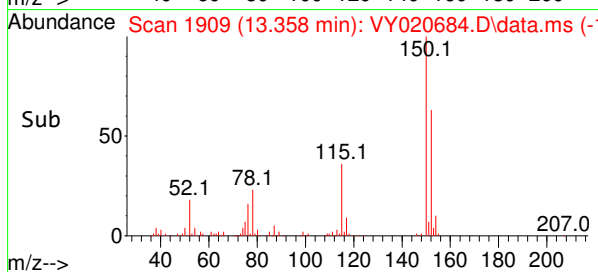
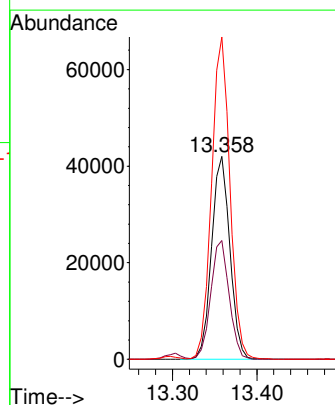
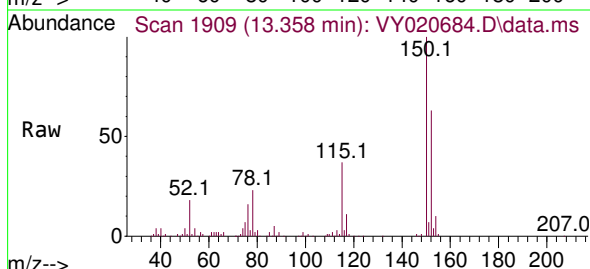
Tgt Ion:152 Resp: 63466

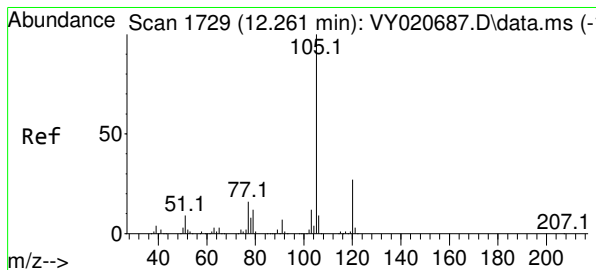
Ion Ratio Lower Upper

152 100

115 58.8 30.2 90.6

150 159.2 0.0 355.4





#73

Isopropylbenzene

Concen: 4.385 ug/l

RT: 12.267 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY020684.D

Acq: 23 Dec 2024 11:30

Instrument :

MSVOA\_Y

ClientSampleId :

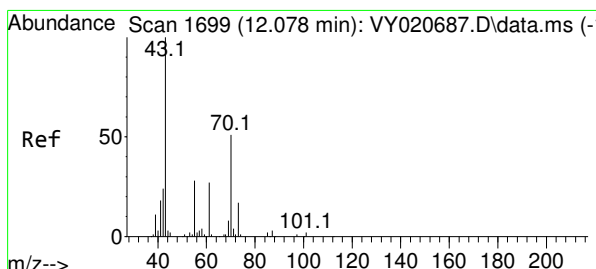
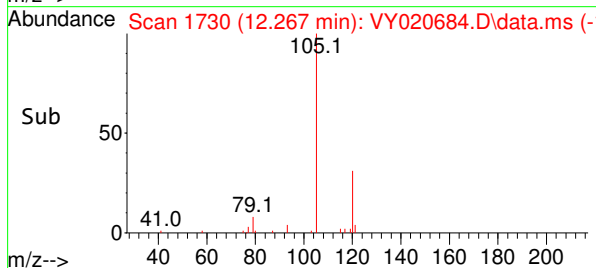
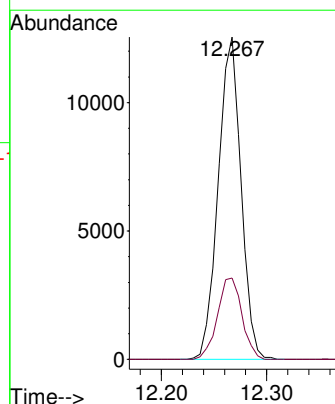
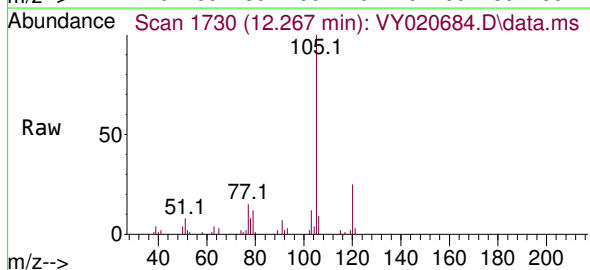
VSTDICC005

Tgt Ion:105 Resp: 18930

Ion Ratio Lower Upper

105 100

120 27.1 13.1 39.1



#74

N-ethyl acetate

Concen: 3.780 ug/l

RT: 12.078 min Scan# 1699

Delta R.T. -0.000 min

Lab File: VY020684.D

Acq: 23 Dec 2024 11:30

Tgt Ion: 43 Resp: 2293

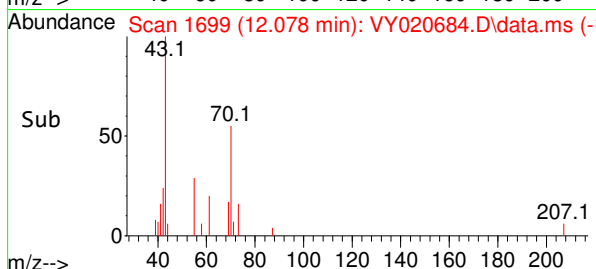
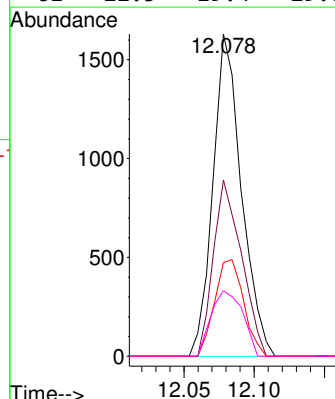
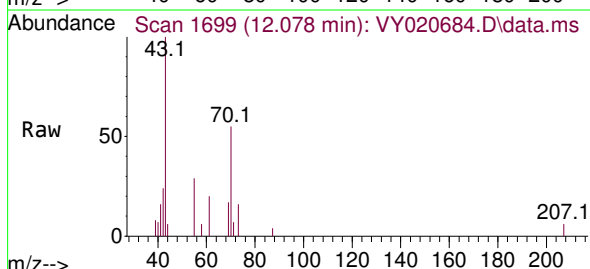
Ion Ratio Lower Upper

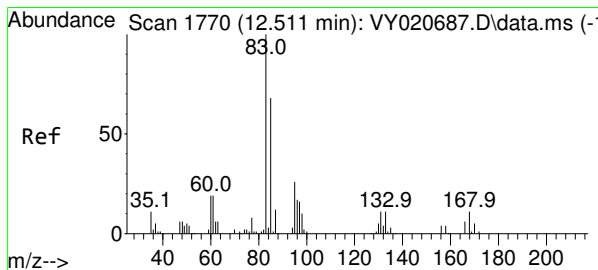
43 100

70 53.9 34.2 51.2#

55 30.4 19.6 29.4#

61 22.5 19.4 29.0

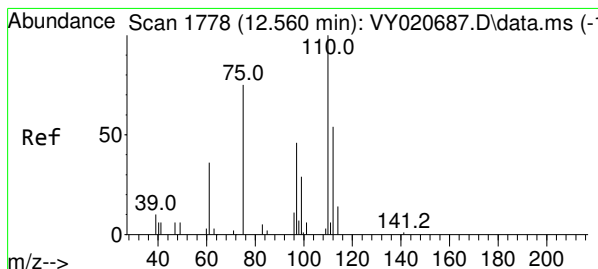
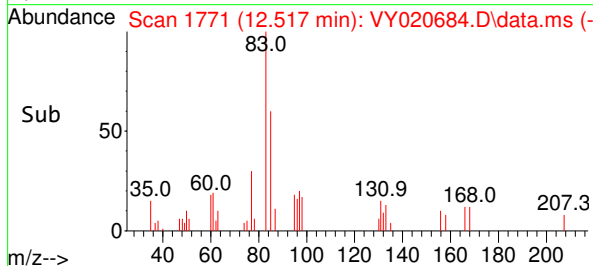
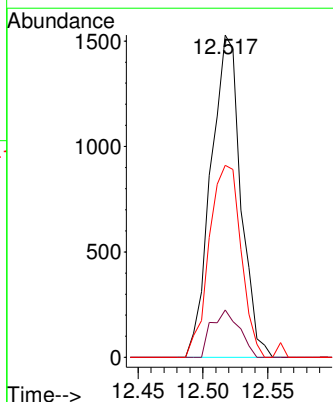
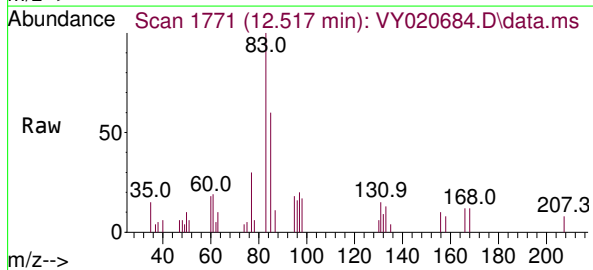




#75  
1,1,2,2-Tetrachloroethane  
Concen: 4.410 ug/l  
RT: 12.517 min Scan# 1  
Delta R.T. 0.006 min  
Lab File: VY020684.D  
Acq: 23 Dec 2024 11:30

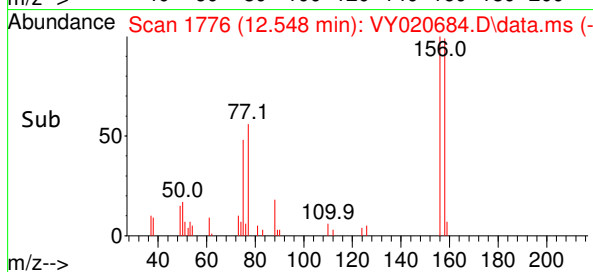
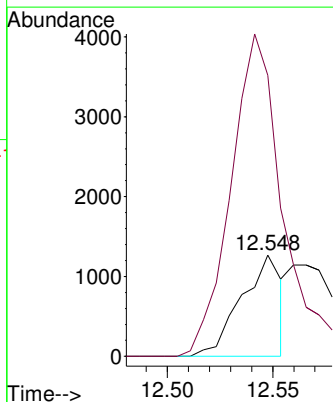
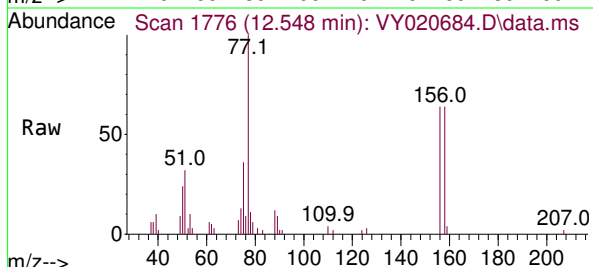
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC005

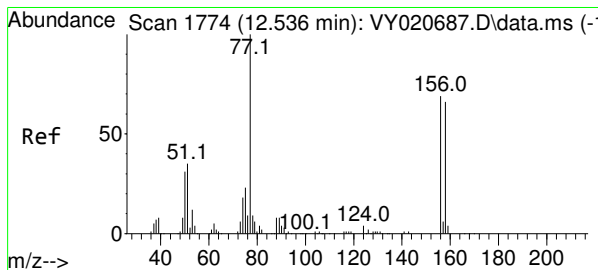
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 2450  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 131      | 13.7  | 5.2   | 15.6  |
| 85       | 63.5  | 32.5  | 97.4  |



#76  
1,2,3-Trichloropropane  
Concen: 4.031 ug/l  
RT: 12.548 min Scan# 1776  
Delta R.T. -0.012 min  
Lab File: VY020684.D  
Acq: 23 Dec 2024 11:30

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 1677  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 417.4 | 0.0   | 0.0#  |





#77

Bromobenzene

Concen: 4.307 ug/l

RT: 12.541 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY020684.D

Acq: 23 Dec 2024 11:30

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDICC005

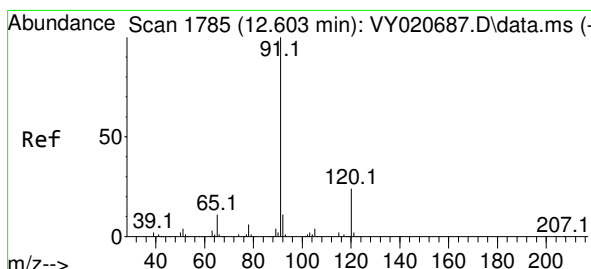
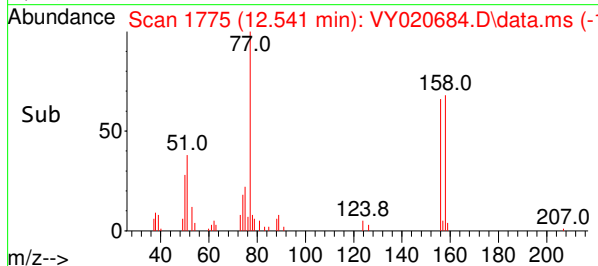
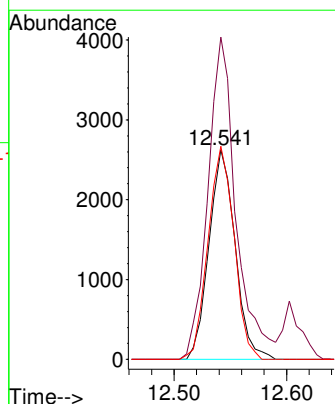
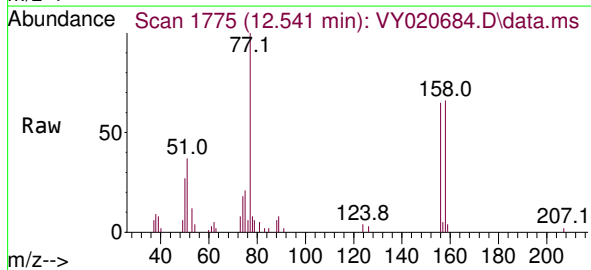
Tgt Ion:156 Resp: 4234

Ion Ratio Lower Upper

156 100

77 165.3 94.2 282.4

158 100.9 48.9 146.6



#78

n-propylbenzene

Concen: 4.410 ug/l

RT: 12.602 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VY020684.D

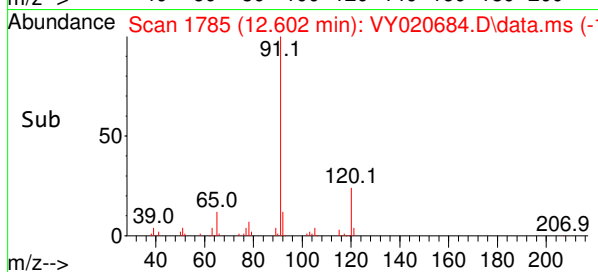
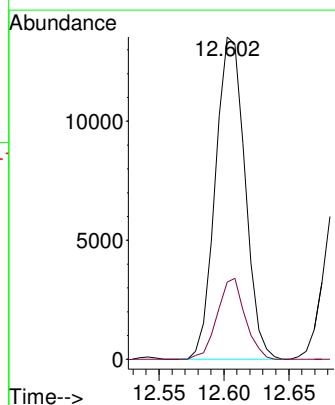
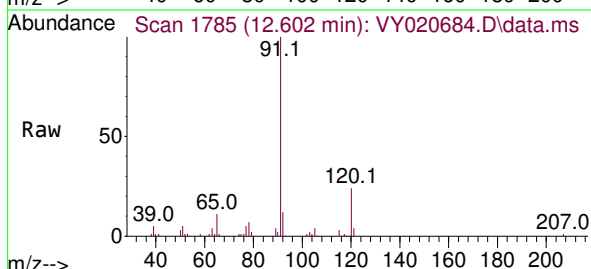
Acq: 23 Dec 2024 11:30

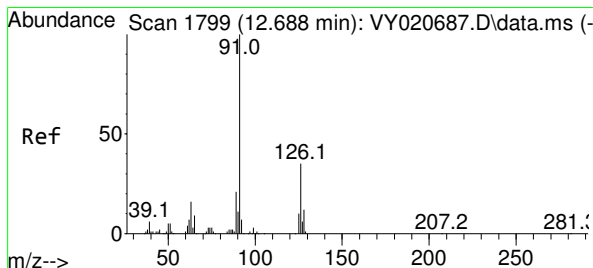
Tgt Ion: 91 Resp: 21465

Ion Ratio Lower Upper

91 100

120 23.7 11.1 33.1





#79

2-Chlorotoluene

Concen: 4.404 ug/l

RT: 12.688 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY020684.D

Acq: 23 Dec 2024 11:30

Instrument :

MSVOA\_Y

ClientSampleId :

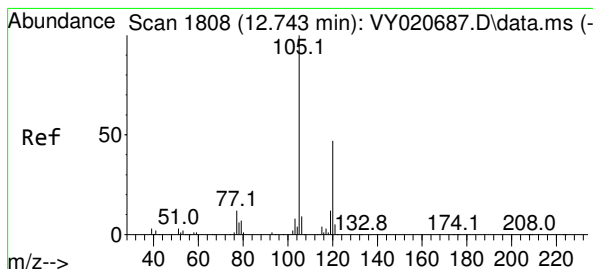
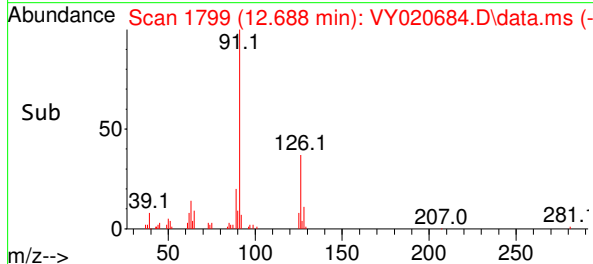
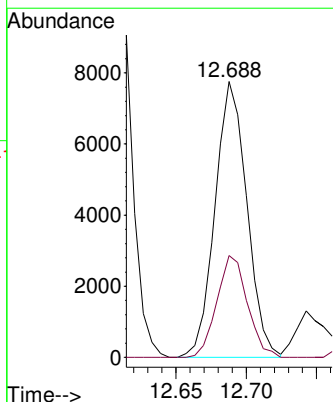
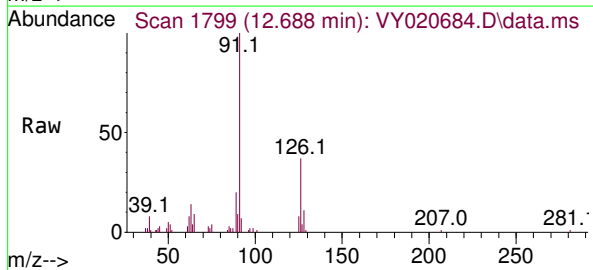
VSTDIC005

Tgt Ion: 91 Resp: 12202

Ion Ratio Lower Upper

91 100

126 35.3 16.6 49.7



#80

1,3,5-Trimethylbenzene

Concen: 4.356 ug/l

RT: 12.749 min Scan# 1809

Delta R.T. 0.006 min

Lab File: VY020684.D

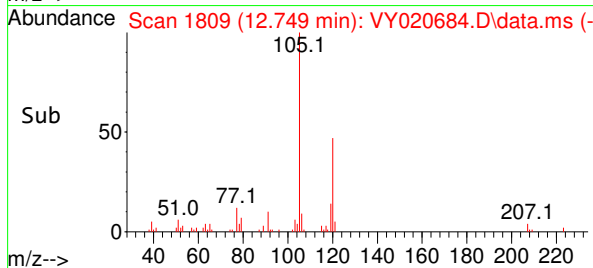
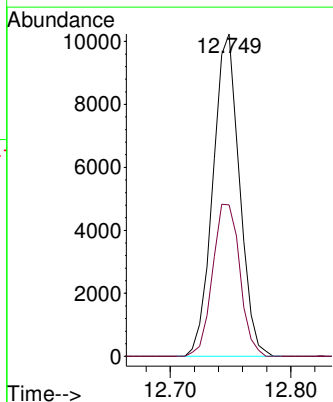
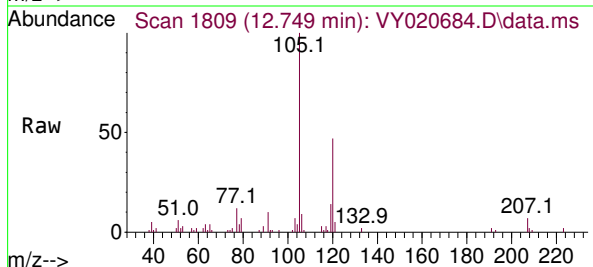
Acq: 23 Dec 2024 11:30

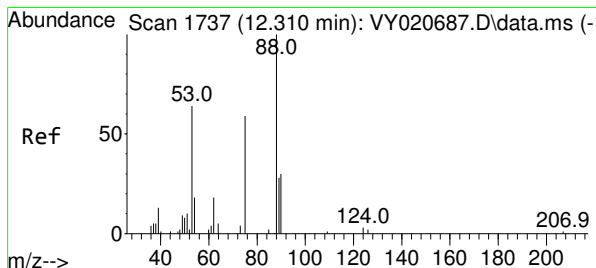
Tgt Ion:105 Resp: 15597

Ion Ratio Lower Upper

105 100

120 48.4 23.9 71.7

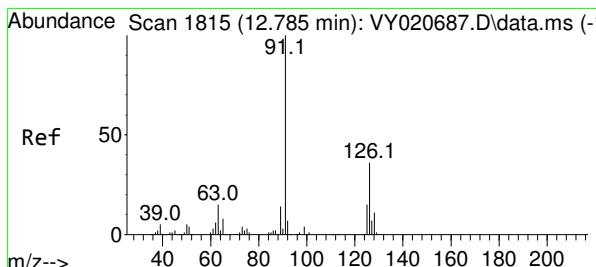
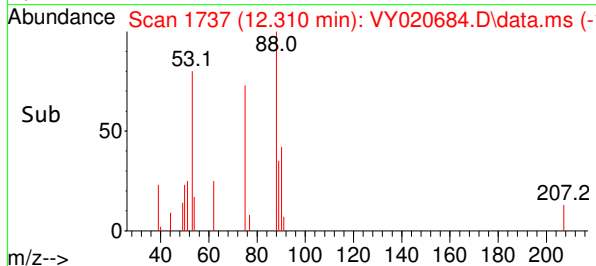
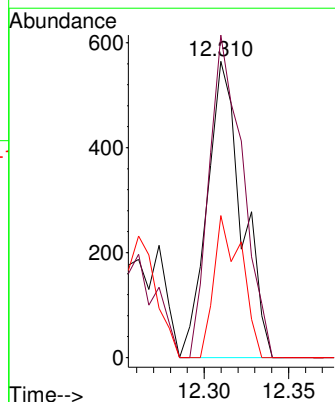
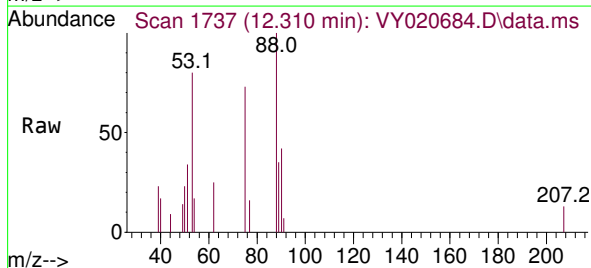




#81  
trans-1,4-Dichloro-2-butene  
Concen: 4.023 ug/l  
RT: 12.310 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VY020684.D  
Acq: 23 Dec 2024 11:30

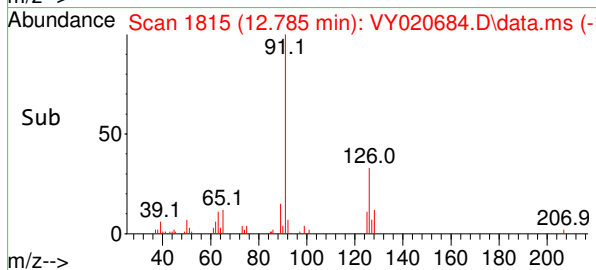
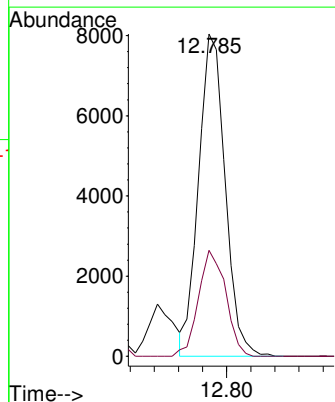
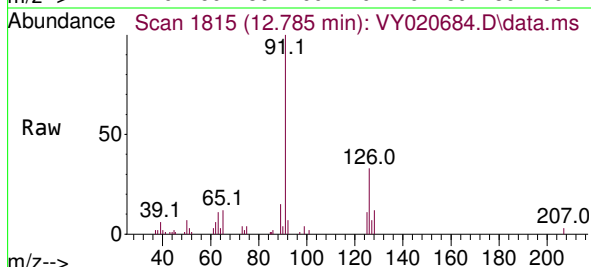
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDIC005

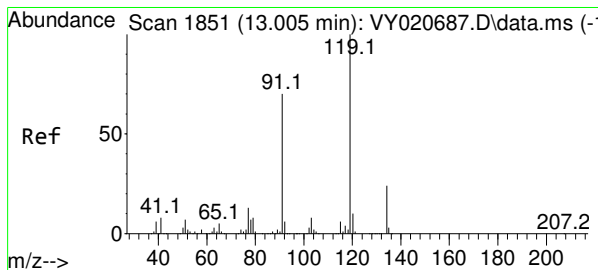
Tgt Ion: 75 Resp: 810  
Ion Ratio Lower Upper  
75 100  
53 105.6 75.4 113.2  
89 38.3 37.0 55.4



#82  
4-Chlorotoluene  
Concen: 4.353 ug/l  
RT: 12.785 min Scan# 1815  
Delta R.T. -0.000 min  
Lab File: VY020684.D  
Acq: 23 Dec 2024 11:30

Tgt Ion: 91 Resp: 12300  
Ion Ratio Lower Upper  
91 100  
126 33.7 16.6 49.7





#83  
tert-Butylbenzene

Concen: 4.457 ug/l

RT: 13.011 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY020684.D

Acq: 23 Dec 2024 11:30

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC005

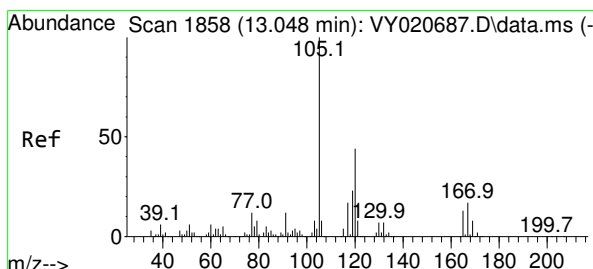
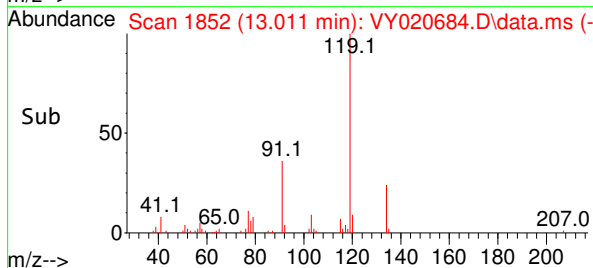
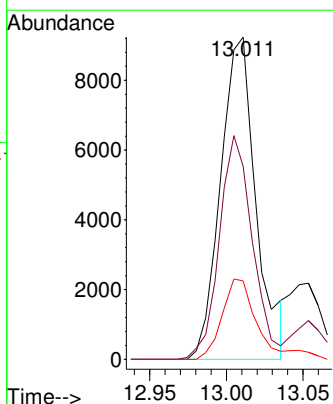
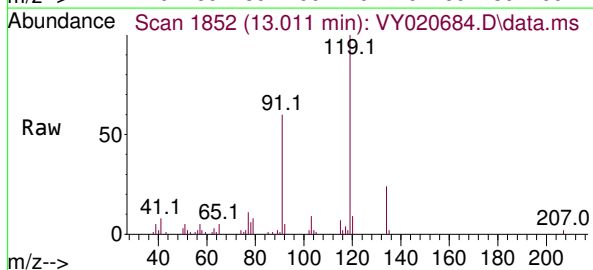
Tgt Ion:119 Resp: 14849

Ion Ratio Lower Upper

119 100

91 64.8 32.9 98.6

134 25.3 13.1 39.1



#84

1,2,4-Trimethylbenzene

Concen: 4.228 ug/l

RT: 13.054 min Scan# 1859

Delta R.T. 0.006 min

Lab File: VY020684.D

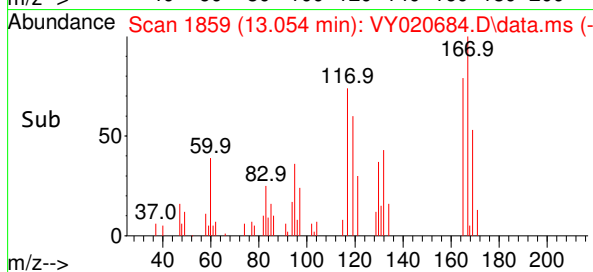
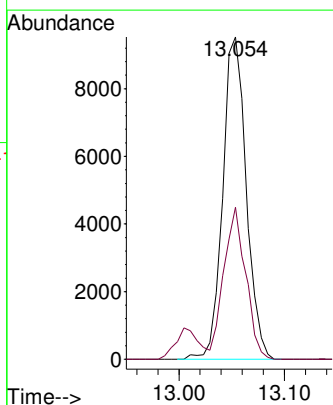
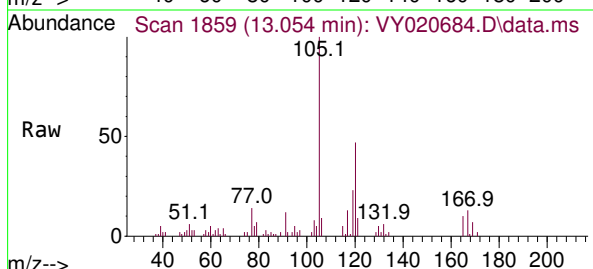
Acq: 23 Dec 2024 11:30

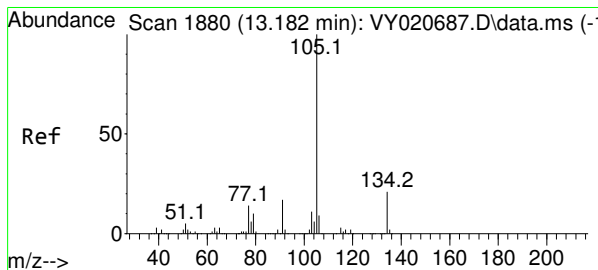
Tgt Ion:105 Resp: 14790

Ion Ratio Lower Upper

105 100

120 44.0 21.8 65.4





#85

sec-Butylbenzene

Concen: 4.374 ug/l

RT: 13.188 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY020684.D

Acq: 23 Dec 2024 11:30

Instrument :

MSVOA\_Y

ClientSampleId :

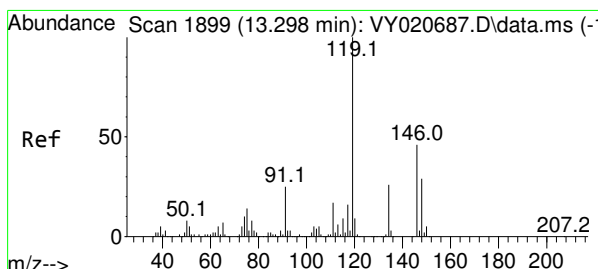
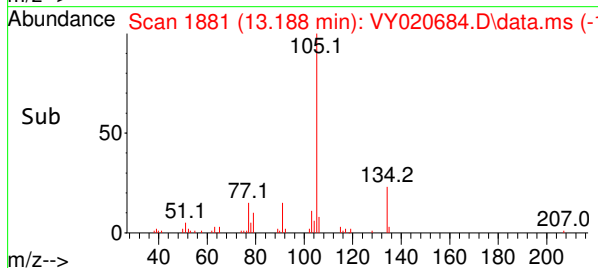
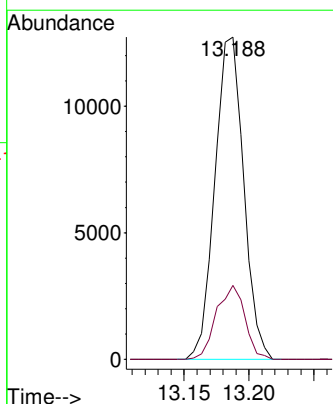
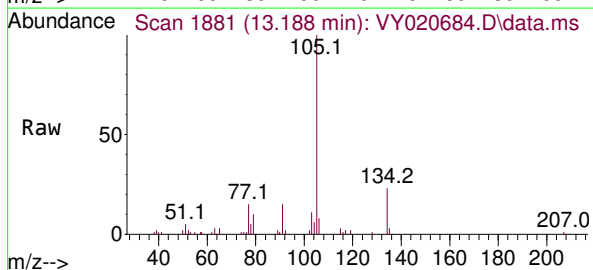
VSTDIC005

Tgt Ion:105 Resp: 19621

Ion Ratio Lower Upper

105 100

134 22.8 10.0 30.0



#86

p-Isopropyltoluene

Concen: 4.204 ug/l

RT: 13.304 min Scan# 1900

Delta R.T. 0.006 min

Lab File: VY020684.D

Acq: 23 Dec 2024 11:30

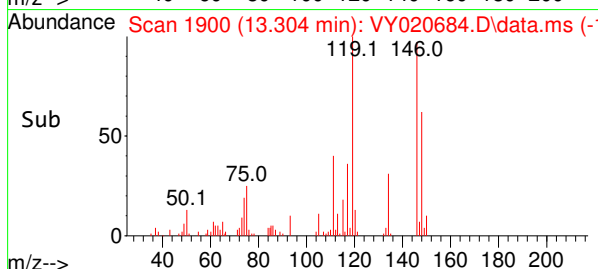
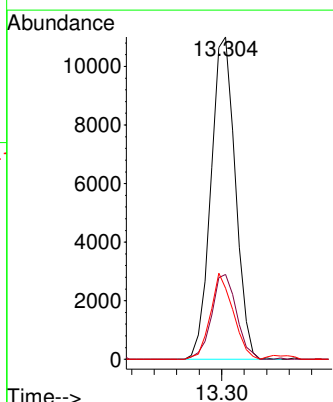
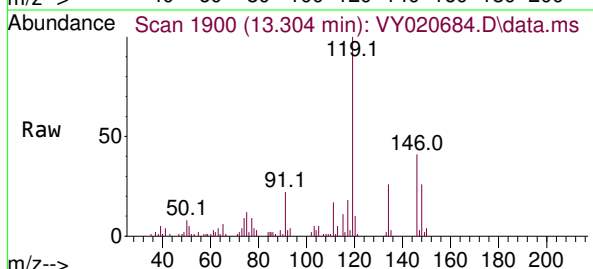
Tgt Ion:119 Resp: 16486

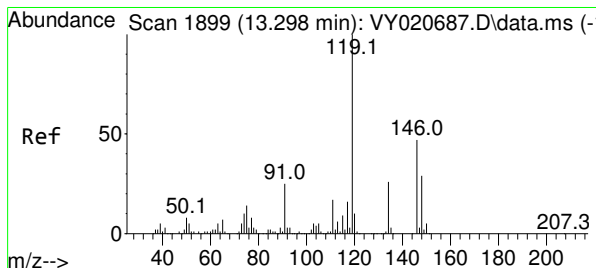
Ion Ratio Lower Upper

119 100

134 27.0 12.9 38.6

91 24.9 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 4.452 ug/l

RT: 13.297 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY020684.D

Acq: 23 Dec 2024 11:30

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC005

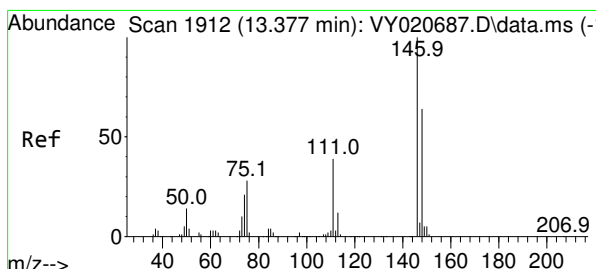
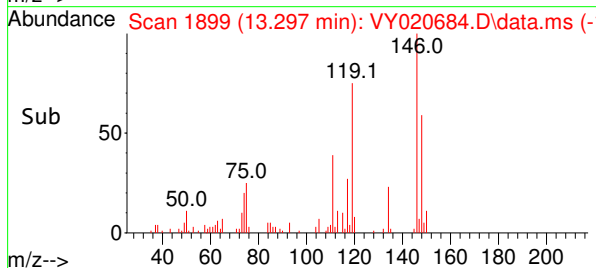
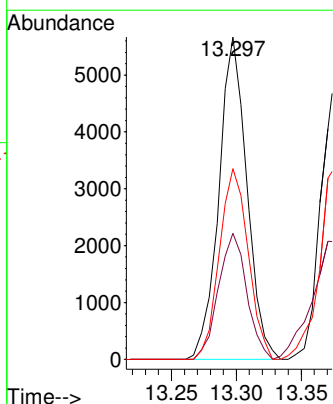
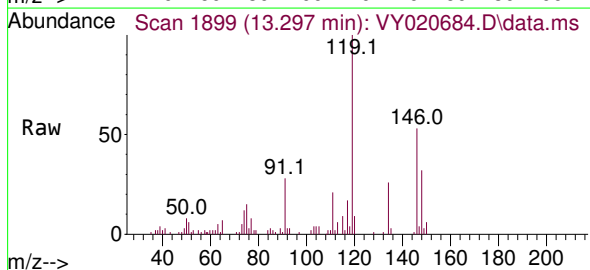
Tgt Ion:146 Resp: 8502

Ion Ratio Lower Upper

146 100

111 39.5 20.6 61.8

148 60.8 31.4 94.0



#88

1,4-Dichlorobenzene

Concen: 4.375 ug/l

RT: 13.377 min Scan# 1912

Delta R.T. -0.000 min

Lab File: VY020684.D

Acq: 23 Dec 2024 11:30

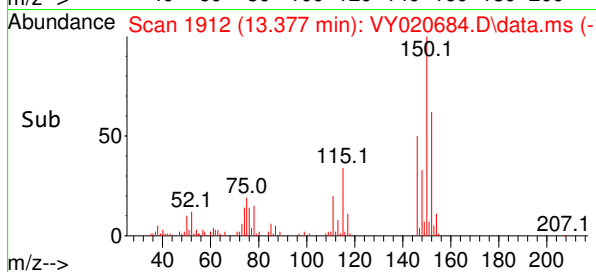
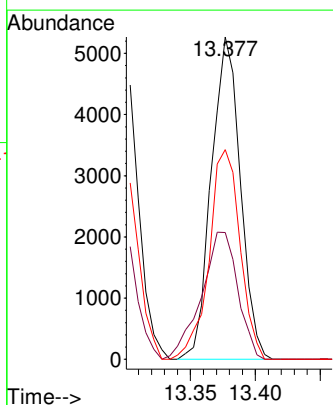
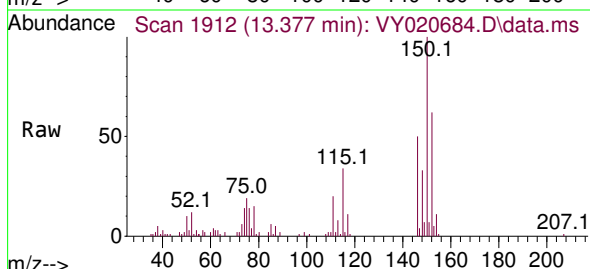
Tgt Ion:146 Resp: 8186

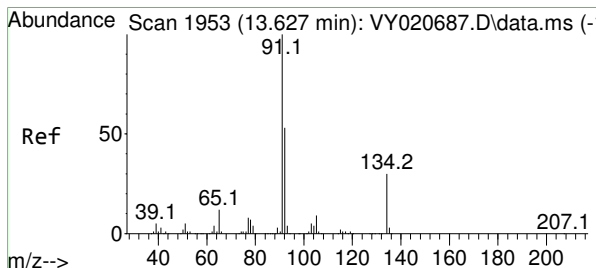
Ion Ratio Lower Upper

146 100

111 49.5 19.6 58.7

148 69.2 31.9 95.5





#89

n-Butylbenzene

Concen: 4.288 ug/l

RT: 13.627 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY020684.D

Acq: 23 Dec 2024 11:30

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC005

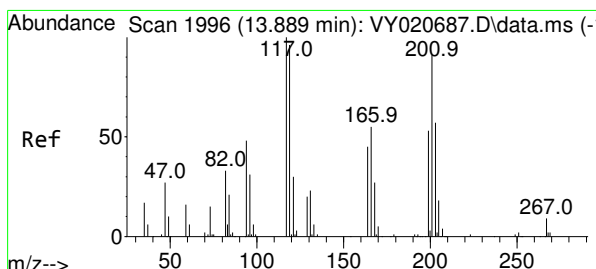
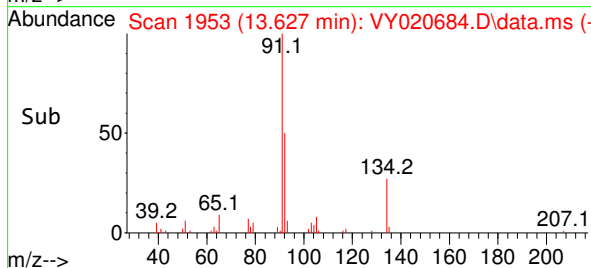
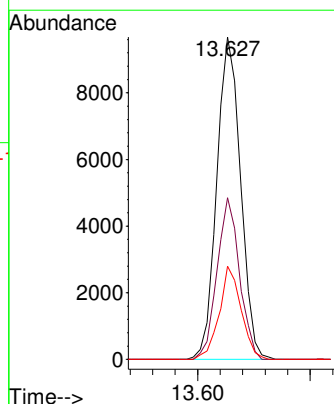
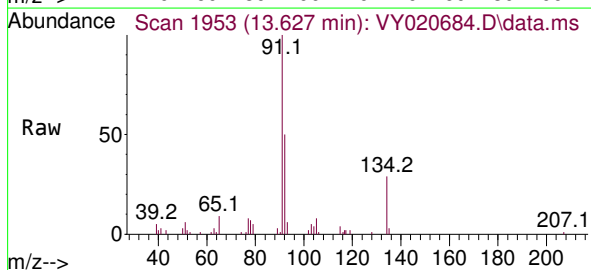
Tgt Ion: 91 Resp: 14168

Ion Ratio Lower Upper

91 100

92 47.3 26.8 80.4

134 26.6 12.5 37.5



#90

Hexachloroethane

Concen: 4.403 ug/l

RT: 13.889 min Scan# 1996

Delta R.T. -0.000 min

Lab File: VY020684.D

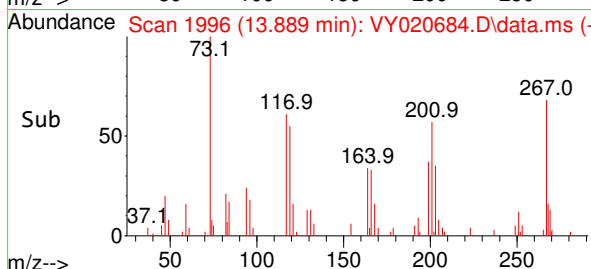
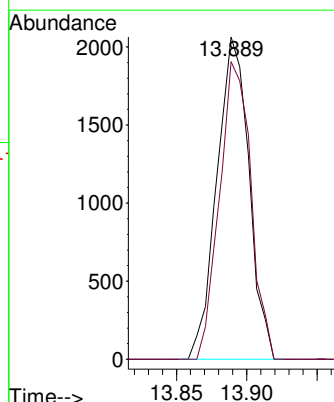
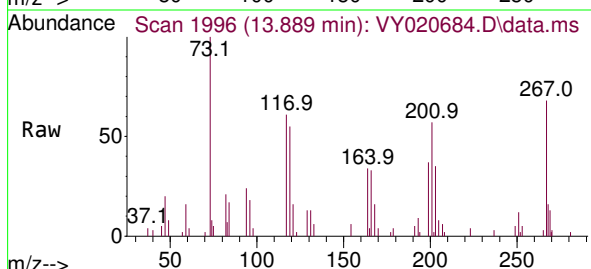
Acq: 23 Dec 2024 11:30

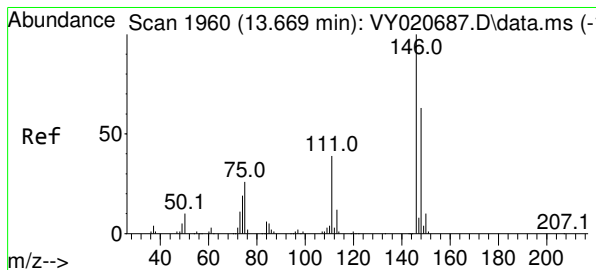
Tgt Ion:117 Resp: 3276

Ion Ratio Lower Upper

117 100

201 90.0 39.1 117.3





#91

1,2-Dichlorobenzene

Concen: 4.342 ug/l

RT: 13.669 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY020684.D

Acq: 23 Dec 2024 11:30

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC005

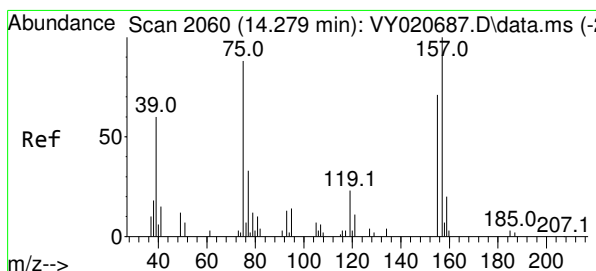
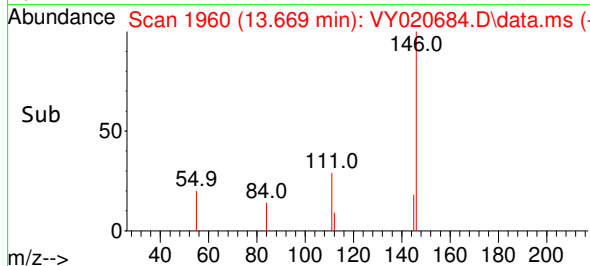
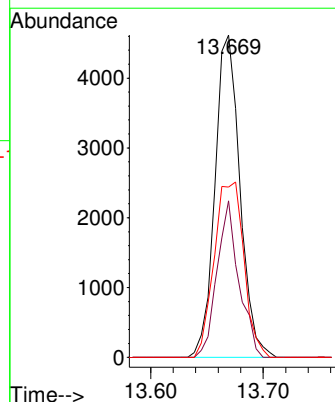
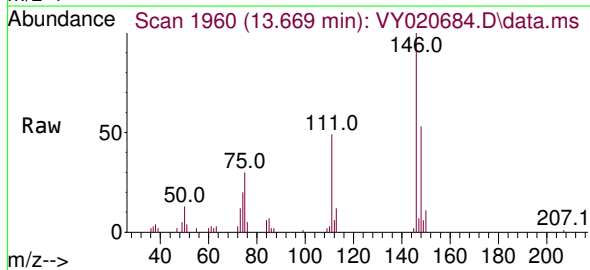
Tgt Ion:146 Resp: 7116

Ion Ratio Lower Upper

146 100

111 42.4 21.3 63.7

148 64.6 32.0 96.0



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.516 ug/l

RT: 14.285 min Scan# 2061

Delta R.T. 0.006 min

Lab File: VY020684.D

Acq: 23 Dec 2024 11:30

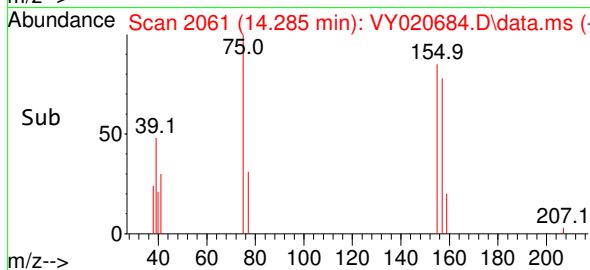
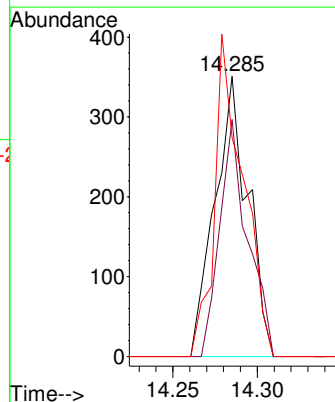
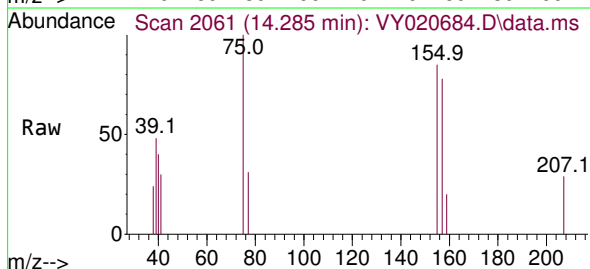
Tgt Ion: 75 Resp: 478

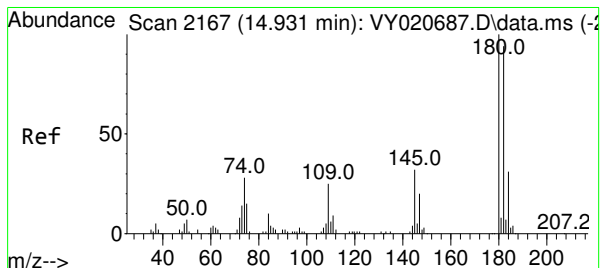
Ion Ratio Lower Upper

75 100

155 71.3 41.1 123.3

157 99.2 52.9 158.8





#93

1,2,4-Trichlorobenzene

Concen: 3.671 ug/l

RT: 14.937 min Scan# 2167

Delta R.T. 0.006 min

Lab File: VY020684.D

Acq: 23 Dec 2024 11:30

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC005

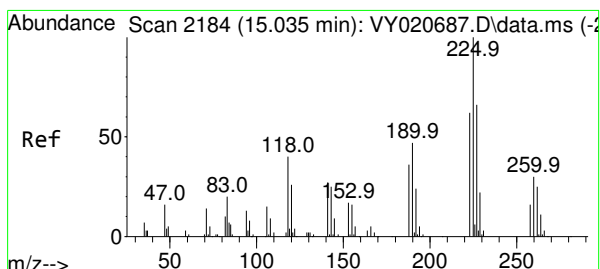
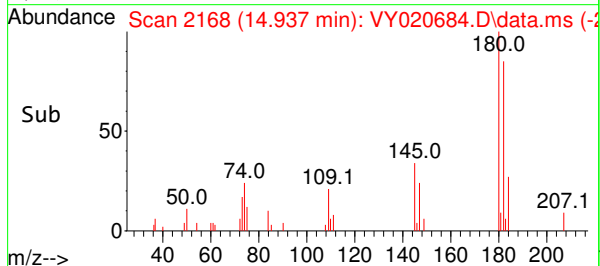
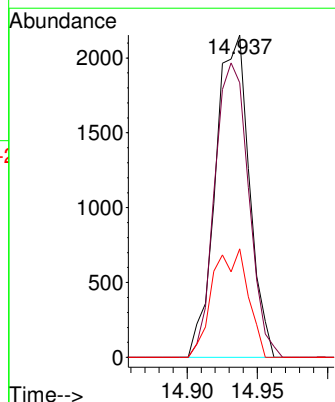
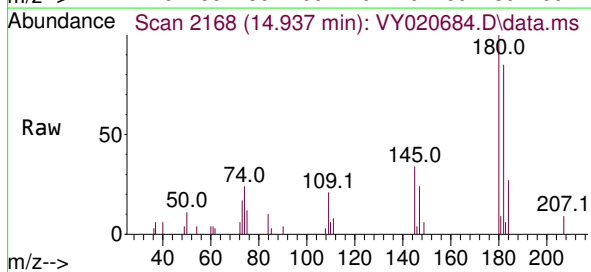
Tgt Ion:180 Resp: 3572

Ion Ratio Lower Upper

180 100

182 92.1 47.9 143.6

145 35.5 15.6 46.7



#94

Hexachlorobutadiene

Concen: 4.083 ug/l

RT: 15.035 min Scan# 2184

Delta R.T. -0.000 min

Lab File: VY020684.D

Acq: 23 Dec 2024 11:30

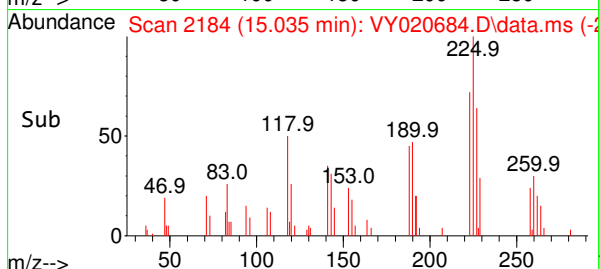
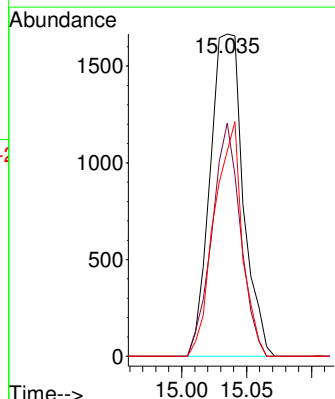
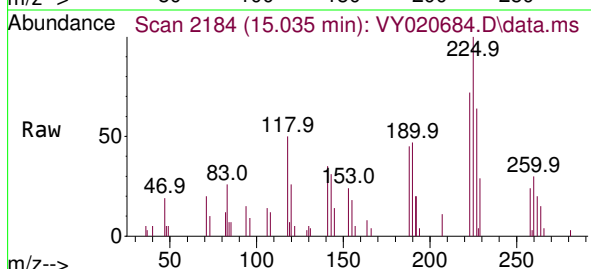
Tgt Ion:225 Resp: 2958

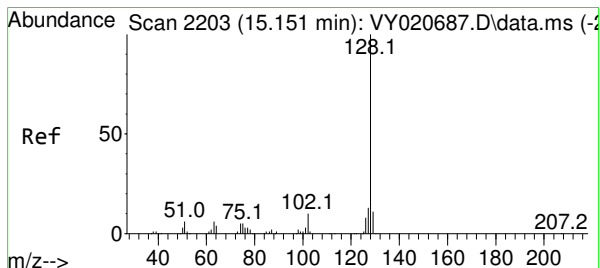
Ion Ratio Lower Upper

225 100

223 62.2 31.8 95.3

227 61.3 32.2 96.6





#95

Naphthalene

Concen: 6.410 ug/l

RT: 15.157 min Scan# 2

Delta R.T. 0.006 min

Lab File: VY020684.D

Acq: 23 Dec 2024 11:30

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDIC005

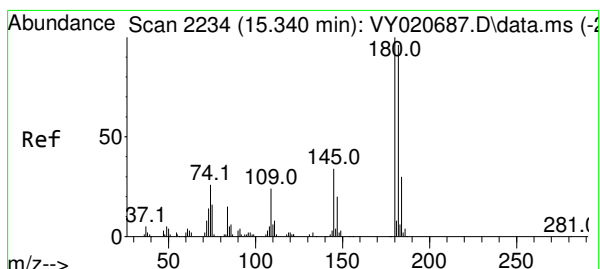
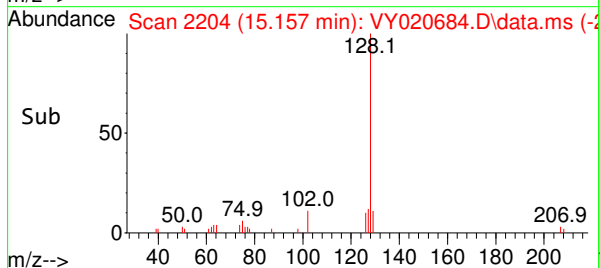
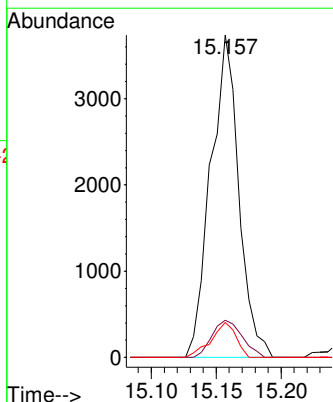
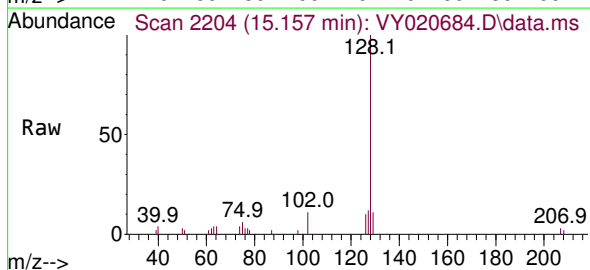
Tgt Ion:128 Resp: 5634

Ion Ratio Lower Upper

128 100

127 12.4 10.7 16.1

129 9.5 8.5 12.7



#96

1,2,3-Trichlorobenzene

Concen: 3.629 ug/l

RT: 15.346 min Scan# 2235

Delta R.T. 0.006 min

Lab File: VY020684.D

Acq: 23 Dec 2024 11:30

Tgt Ion:180 Resp: 2952

Ion Ratio Lower Upper

180 100

182 96.9 47.3 141.9

145 34.2 16.0 48.0

