

Supplementary material & captions:

Figure F1: GC-MS chromatogram of 1,2 dichlorobenzene before ozonation.

Figure F2: GC-FID chromatogram of product mixture.

Figure F3: GC-MS chromatogram of product mixture.

Figure F4: IR spectrum of 3,4 dichloro-5-hydroxy-2(5H)-furanone.

Figure F5: ^1H NMR spectrum of 3,4 dichloro-5-hydroxy-2(5H)-furanone.

Figure F6: Mass spectrum of 3,4 dichloro-5-hydroxy-2(5H)-furanone.

Figure F7: ^1H NMR spectrum of mucochloric acid

Figure F8: Mass spectrum of mucochloric acid

Figure S1. : XRD spectra

a & b: 1 % Ni and 5 % Ni on Al_2O_3 support;

c & d: 1 % Ni and 5 % Ni on SiO_2 support;

e & f: 1 % Ni and 5 % Ni on TiO_2 support.

Figure F1:

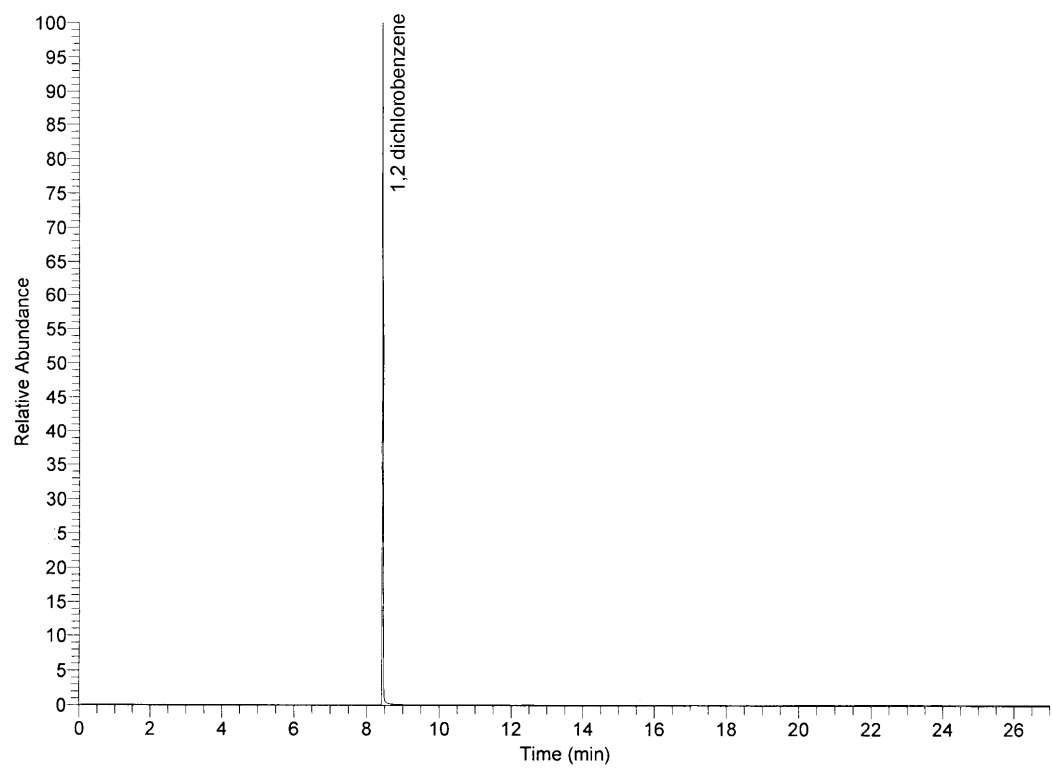


Figure F2:

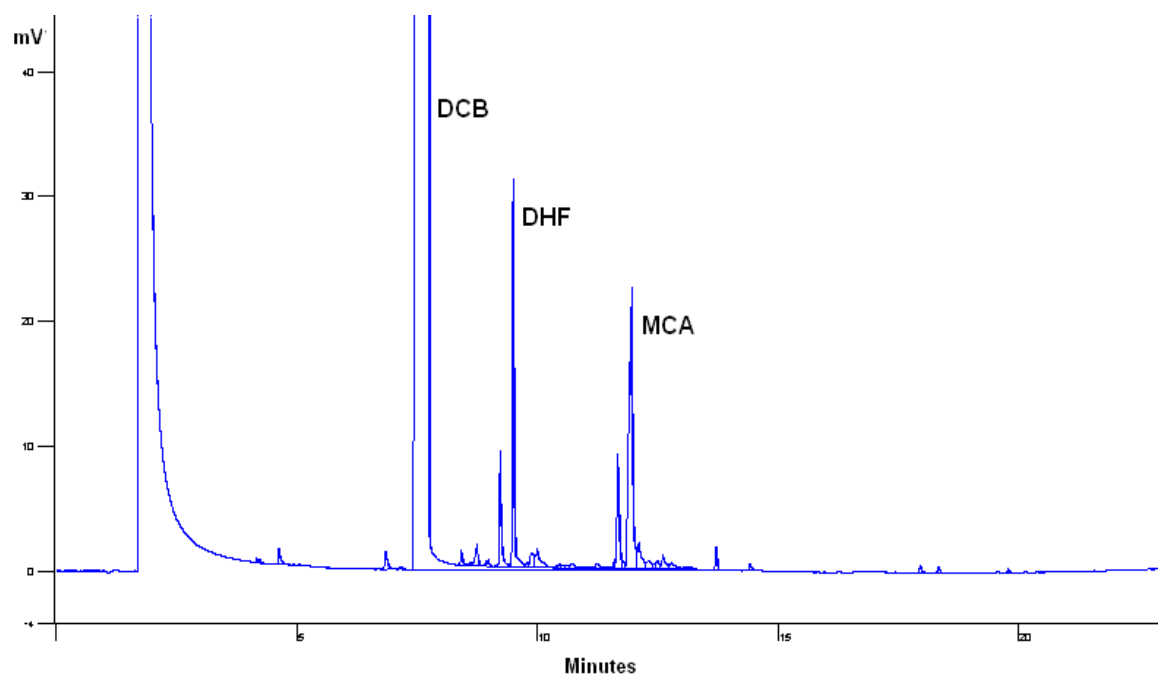


Figure F3:

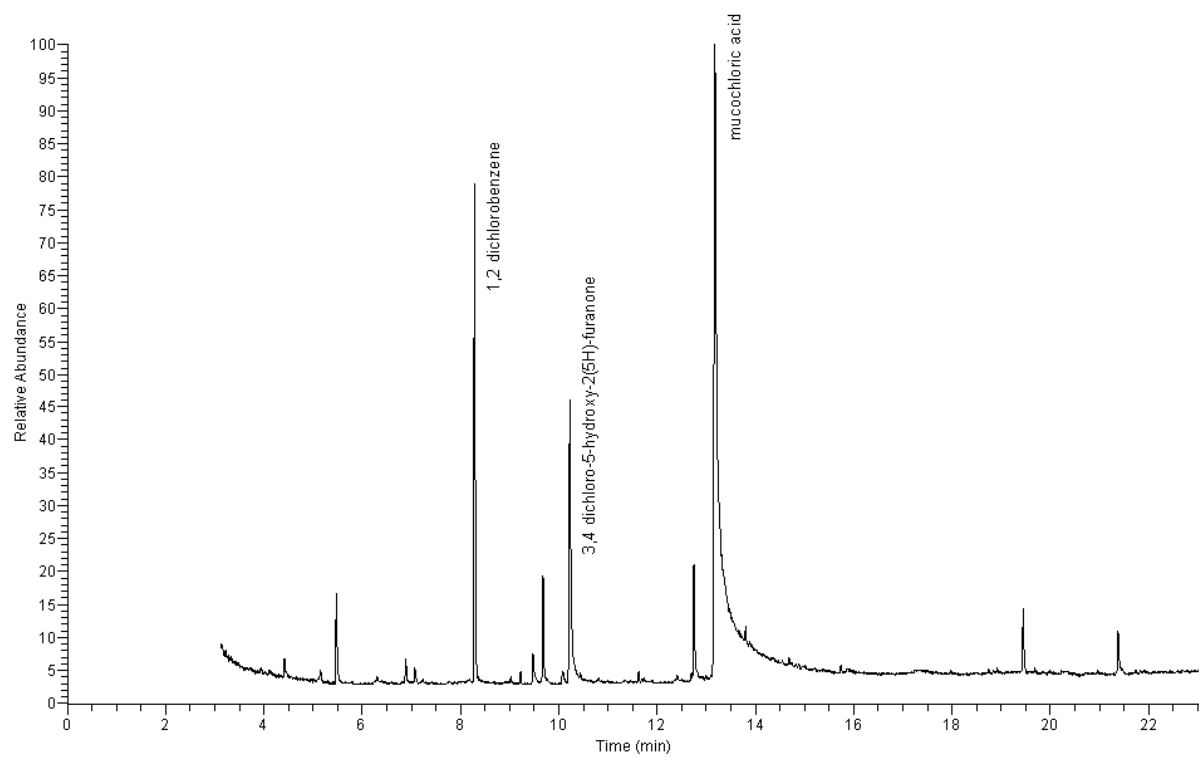


Figure F4:

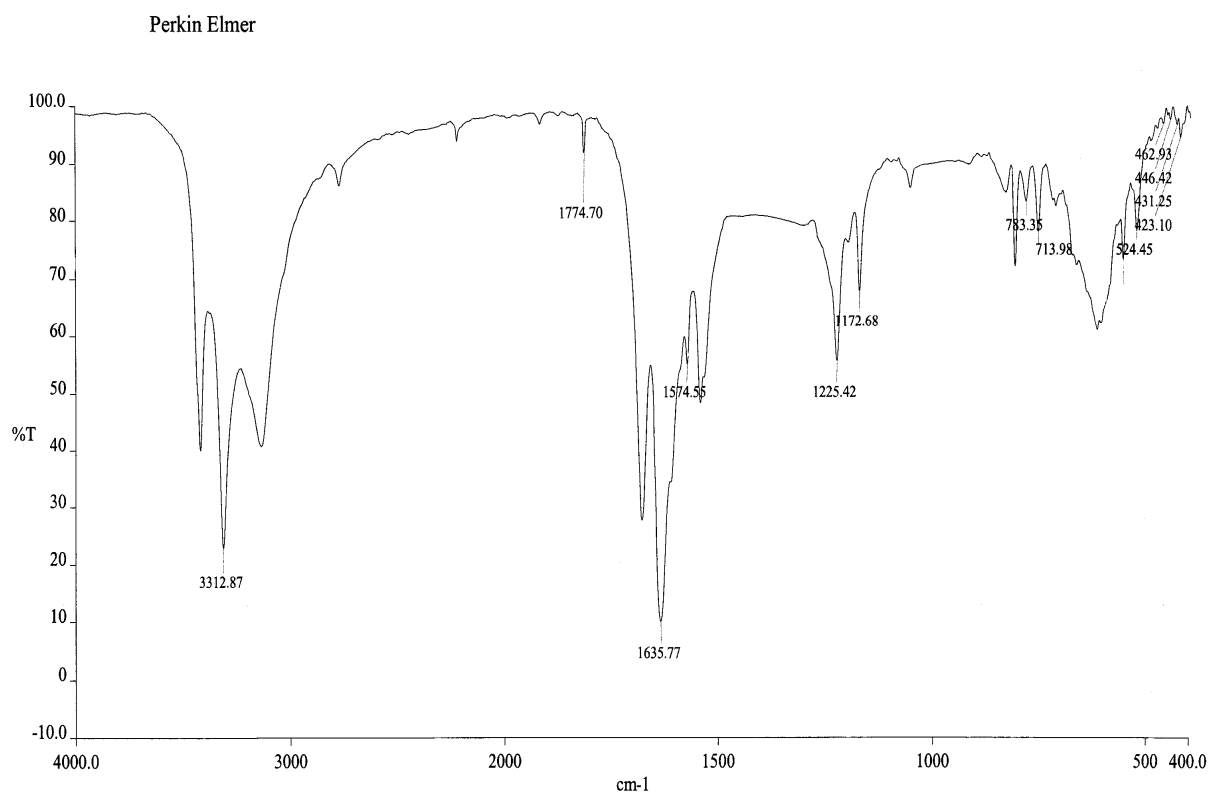


Figure F5:

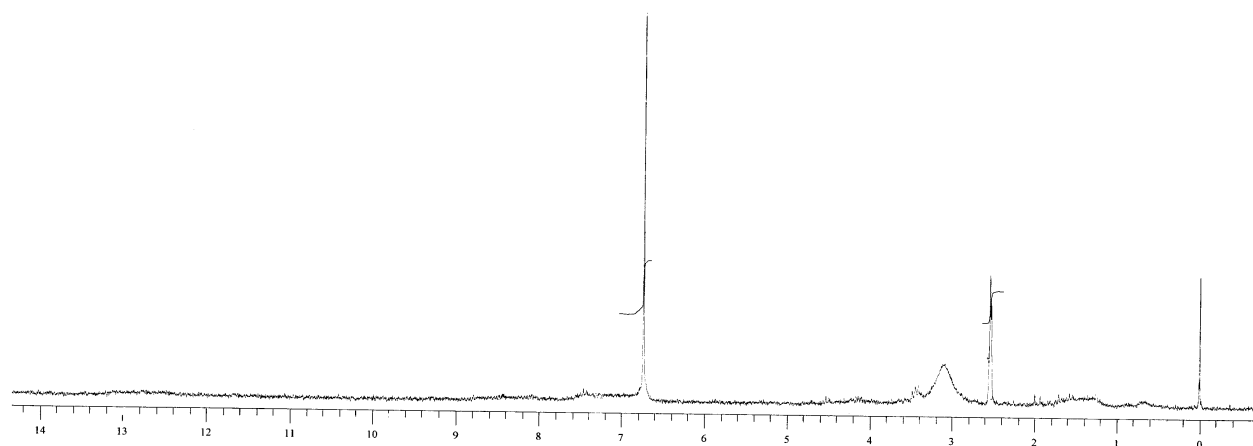


Figure F6:

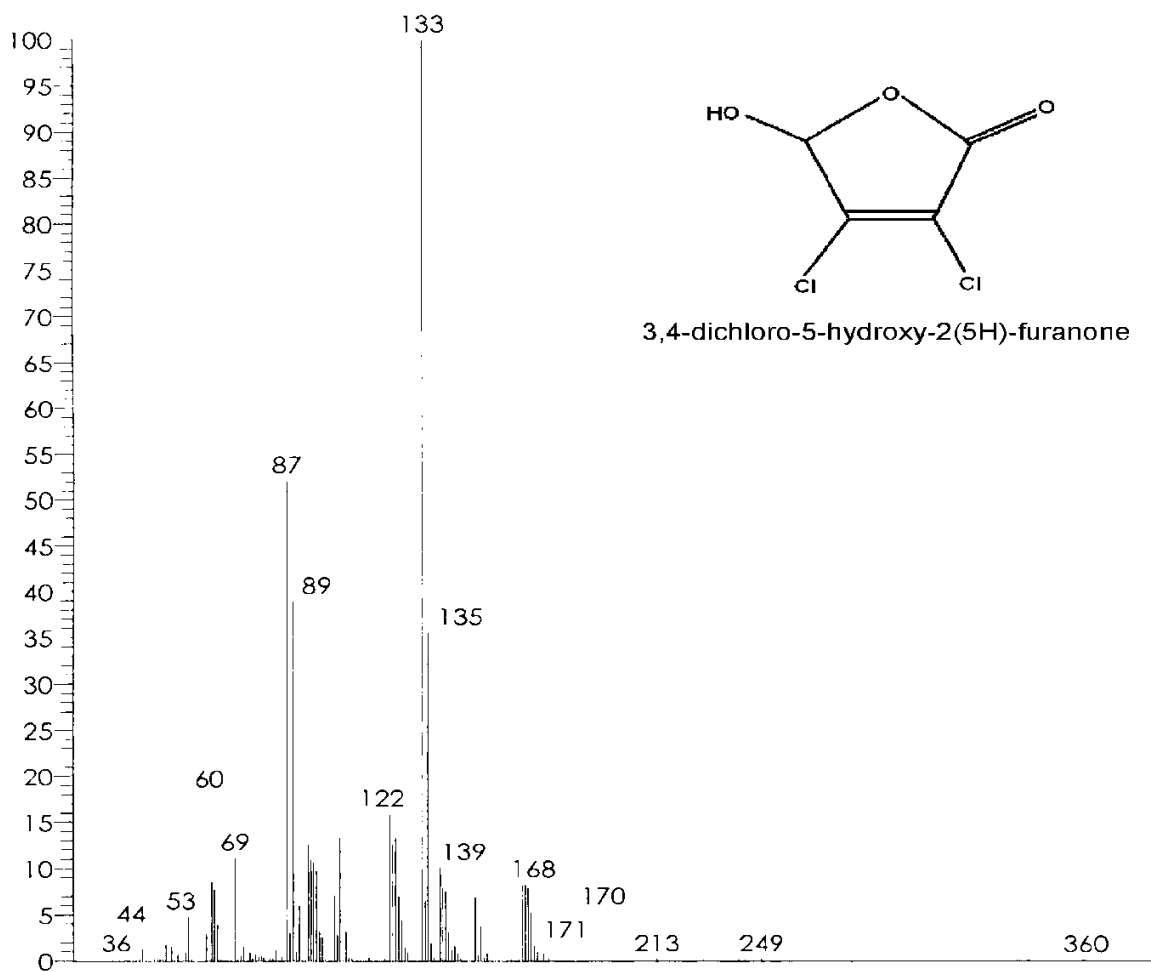


Figure F7:

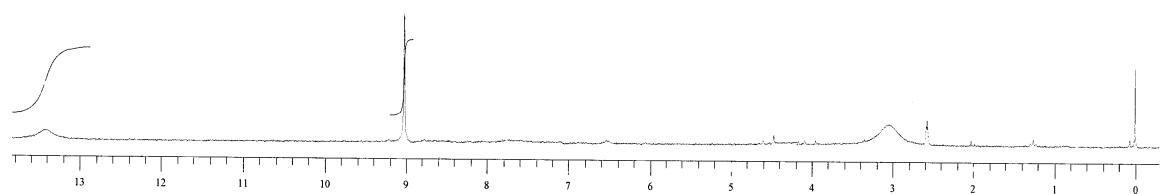


Figure F8:

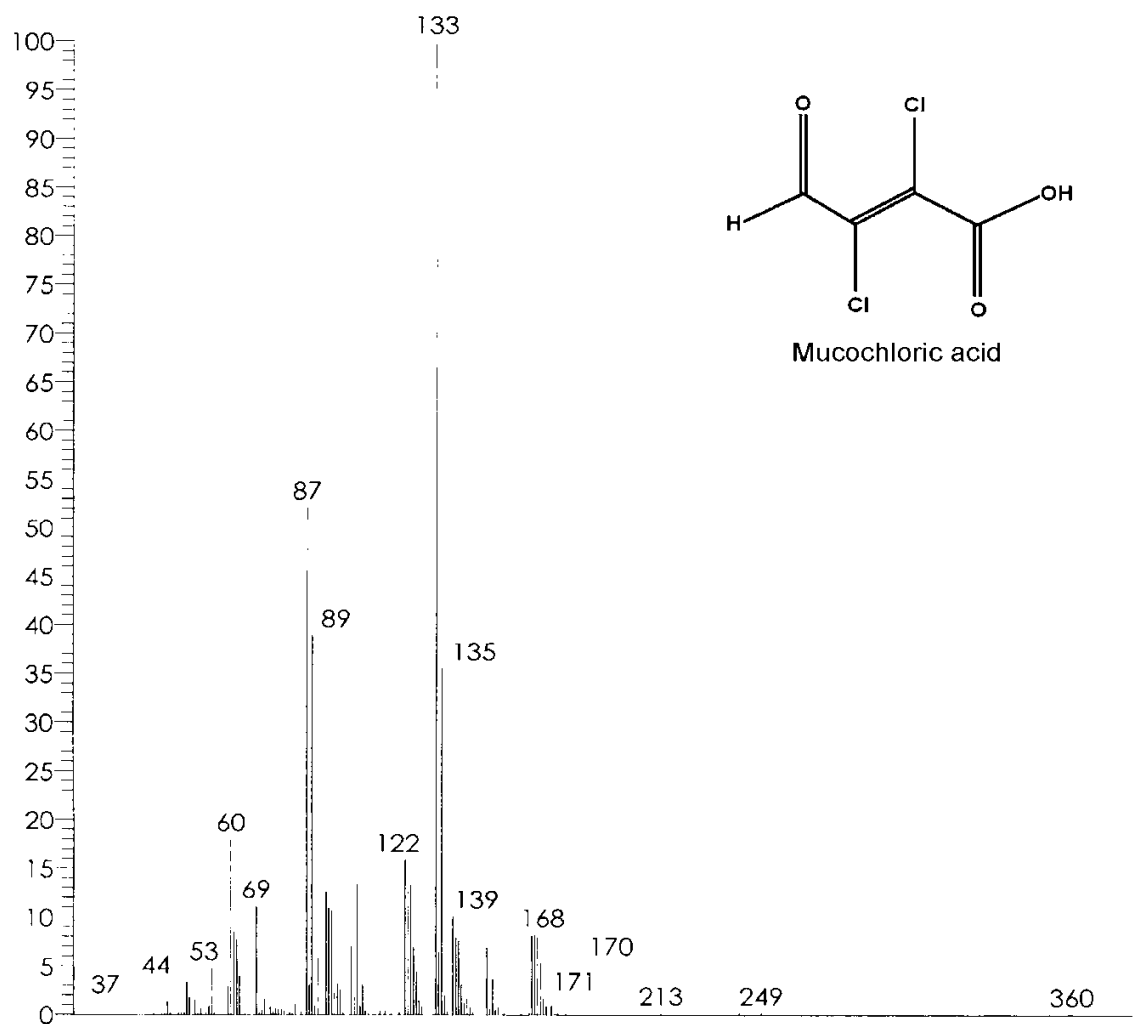


Figure. S1. :

