PROBLEMS

MAY, 21

- 1.- In Hsung's synthesis of myrrhine the following transformation was achieved with amazing selectivity.
- a) Please provide a 3-D drawing of myrrhine.
- b) Provide a mechanism with 3-D drawings to rationalize the observed selectivity.

2.- As a pivotal step in the synthesis of the freshwater cyanobacterial hepatoxin cylindrospermopsin, Weinreb and co-workers carried out the following transformation:

Provide a mechanism of the overall transformation and identify intermediate A.