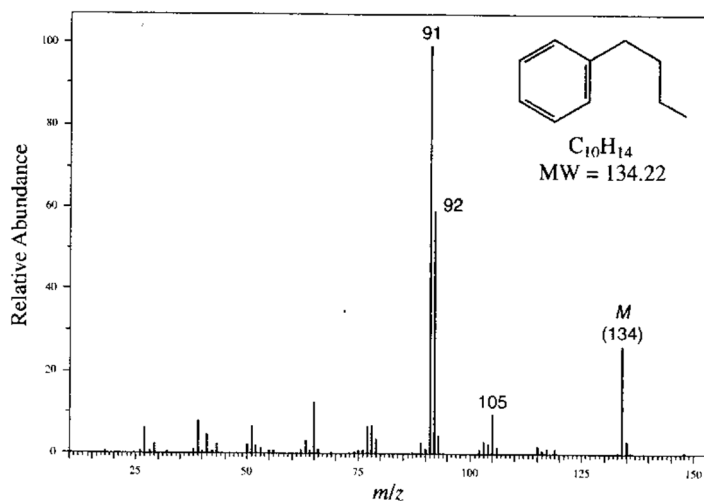


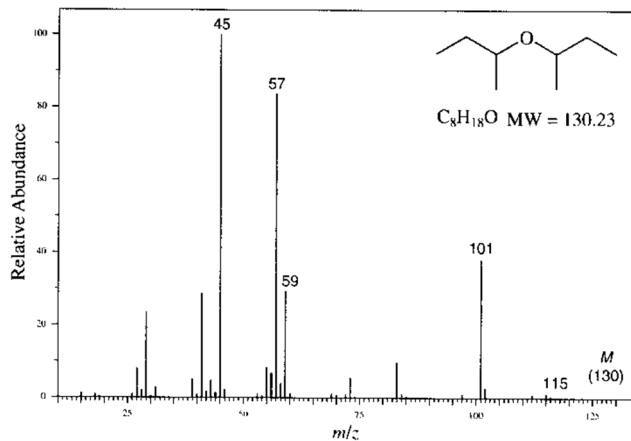
Assignment 5: On mass spectrometry interpretation:

In the following mass spectra identify the fragment ions by writing suitable fragmentation process of the parent ion. Interpret only those ions whose m/z value is marked in the spectrum. Ignore the other minor fragments. The structure of the molecule is given in the spectrum.

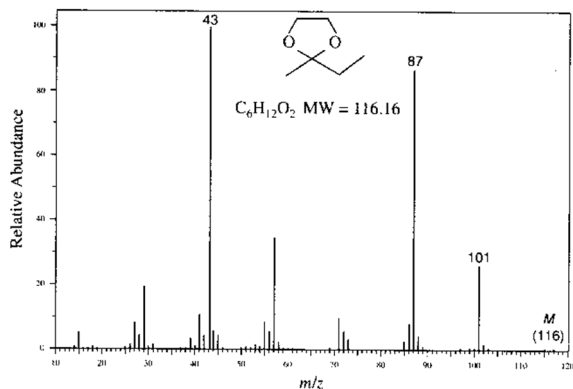
1. N-Butylbenzene



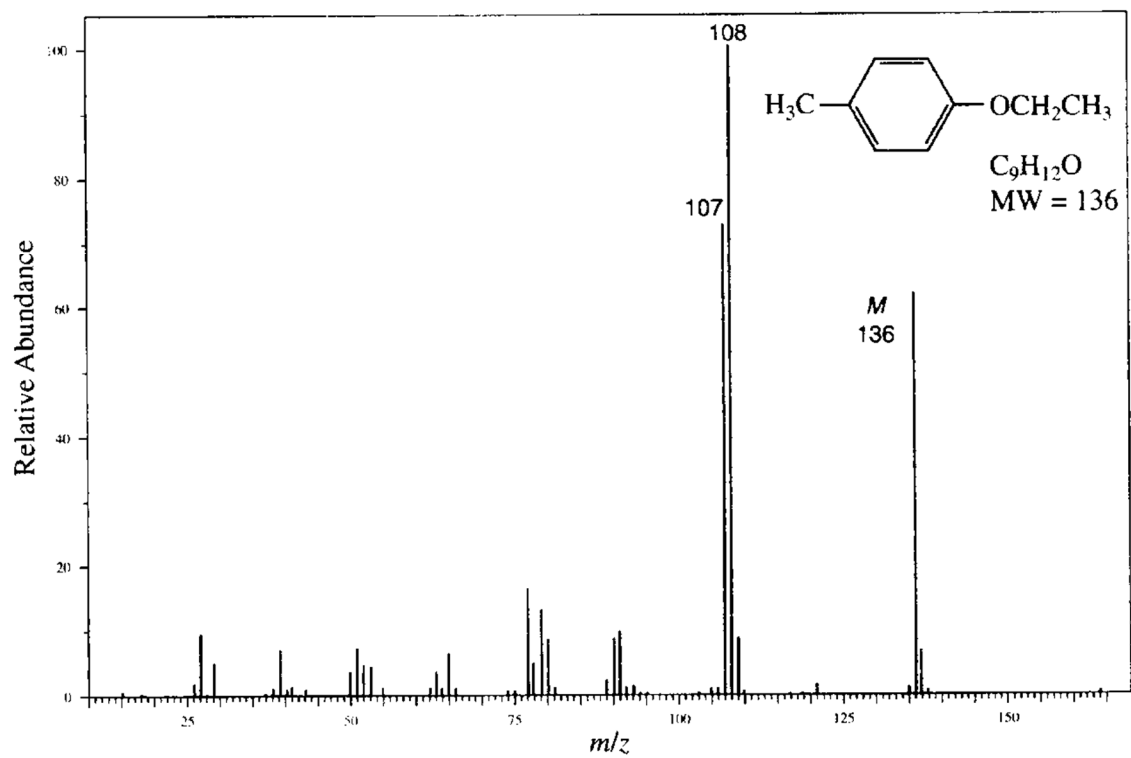
2. Di-2-butyl ether



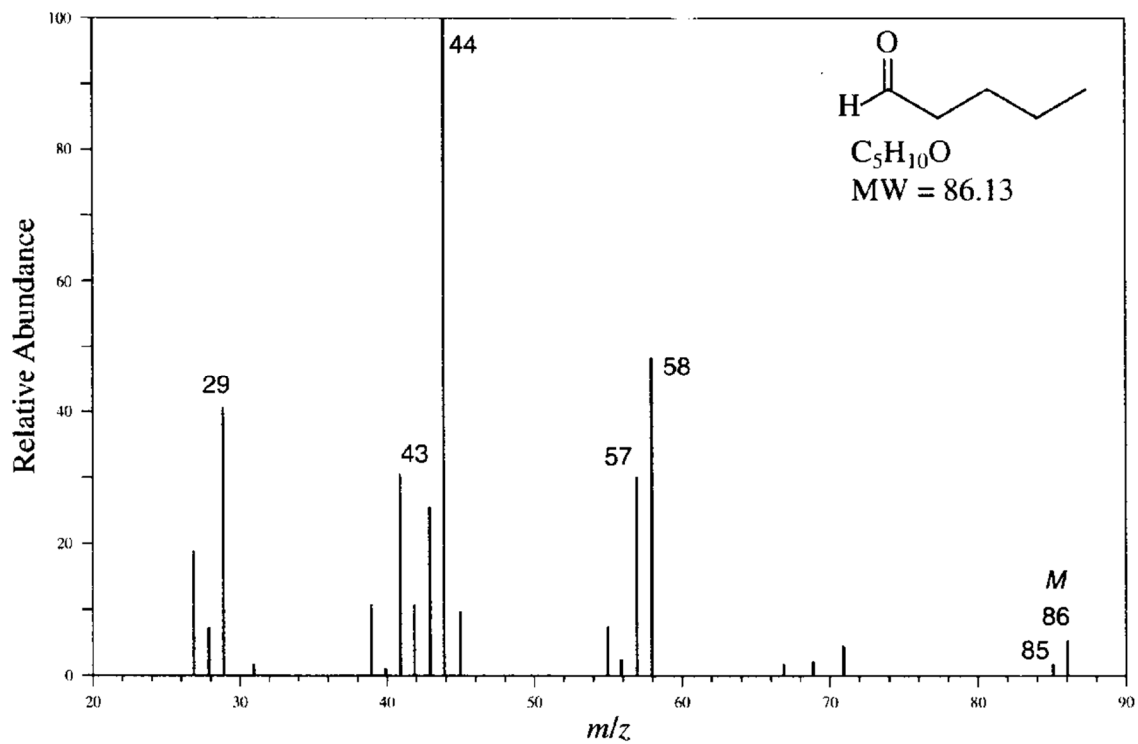
3. Ethylene glycol acetal of 2-butanone



4. 4-ethoxytoluene



5. Pentanaldehyde



6. Triethyl amine

