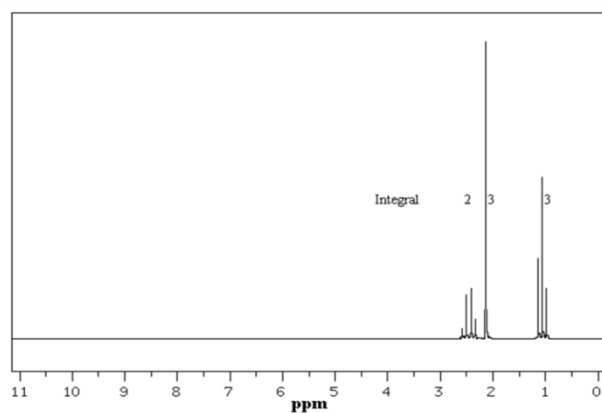
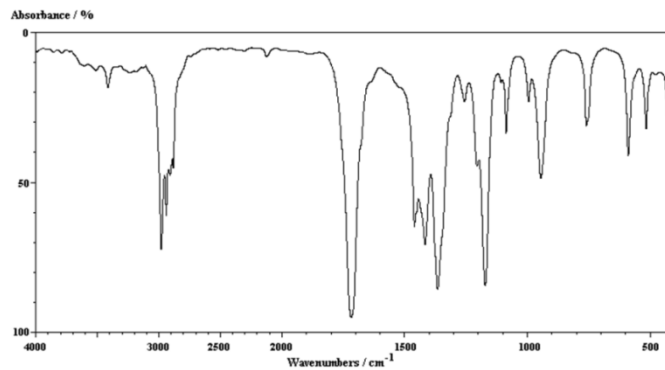
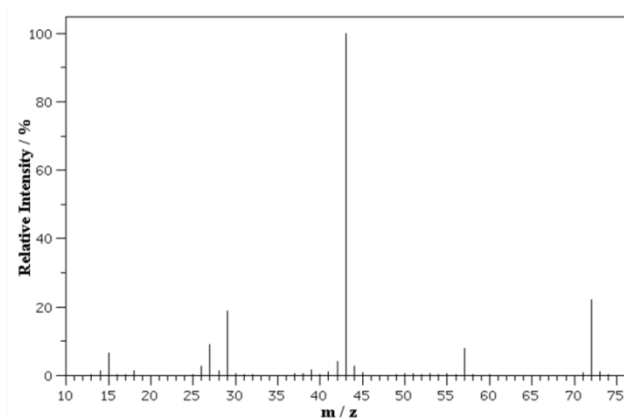


TUTORIAL SHEET STRUCTURE PROBLEM

Identify the molecule from the elemental analysis data and given spectra.

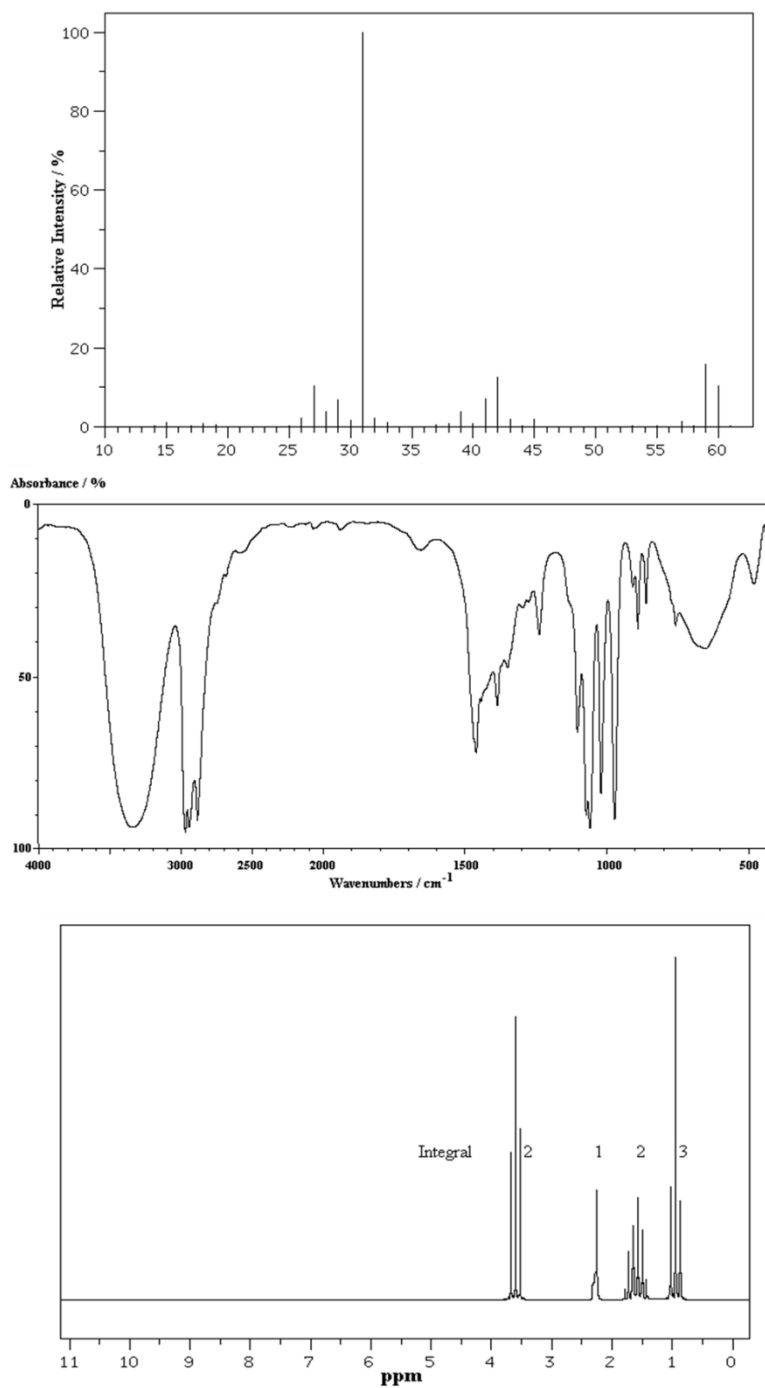
1.

Element	Percent
C	66.63
H	11.18



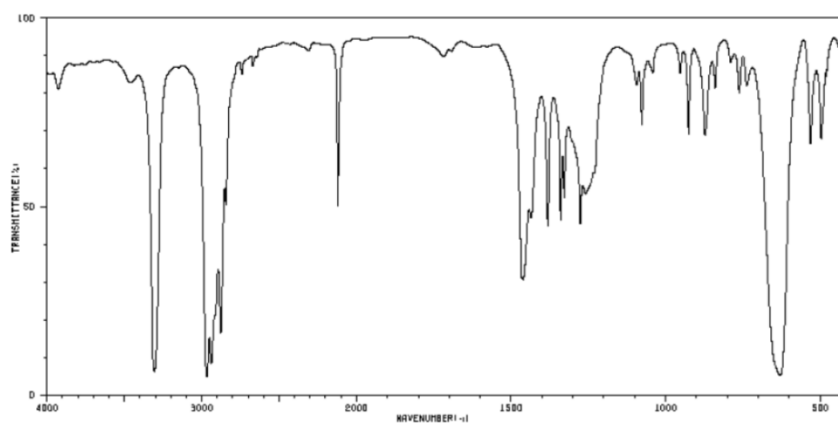
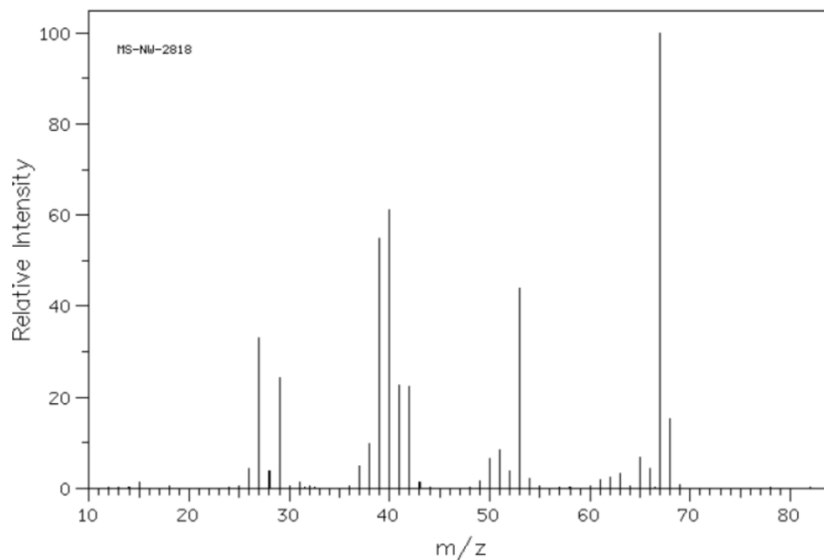
2.

Element	Percent
C	59.96
H	13.42



3.

Element	Percent
C	88.16
H	11.84



Proton NMR Data

δ/ppm	Multiplicity	Integration
2.15	Triplet	2
1.94	Singlet	1
1.55	Sextet	2
1.00	Triplet	3

4.

Element	Percent
C	71.98
H	6.71

