Indicate the hybridization and the bond angles in the following. The first structure is completed as an example.

$$C=C-C+N+$$
 $C-C-C$
 $C-C-N$
 $C-C-N$
 $C-C-N$

Write the name of the functional group (or class of compound) for each structure.

$$o \longrightarrow CI$$

$$H_3C-C\equiv C$$
 CH_3

$$H_2N$$