

HALOALKANES AND HALOARENES

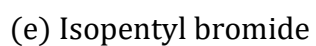
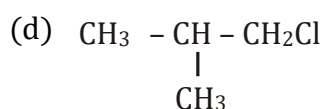
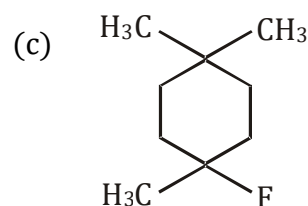
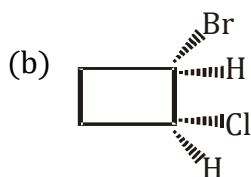
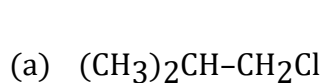
NATURE OF CARBON-HALOGEN BOND

BONDING IN ALKYL HALIDE

Table: Carbon halogen bond lengths

Bond	Bond length(Å)
CH ₃ - F	1.39
CH ₃ - Cl	1.78
CH ₃ - Br	1.93
CH ₃ - I	2.14

Ex. Classify the compound as a primary, secondary and tertiary halide



Sol. (a) Primary

(b) Secondary

(c) Tertiary

(d) Primary

(e) Primary

(f) Primary