

Exercise - To identify the functional group in given organic sample.

	Experiment	Observation	Inference
1.	Bromine water test Dissolve a pinch of organic sample in water or CCl_4 add 1-2 drops of Bromine water.	Disappearance of orange red colour of Bromine	Unsaturation is present.
2.	Alkaline $KMnO_4$ Test Dissolve organic sample in water or acetone add to it. 2-3 drops of $KMnO_4$ sol ⁿ .	Disappearance of purple colour of $KMnO_4$	Unsaturated is present

Result -

The given organic sample contains unsaturation.