

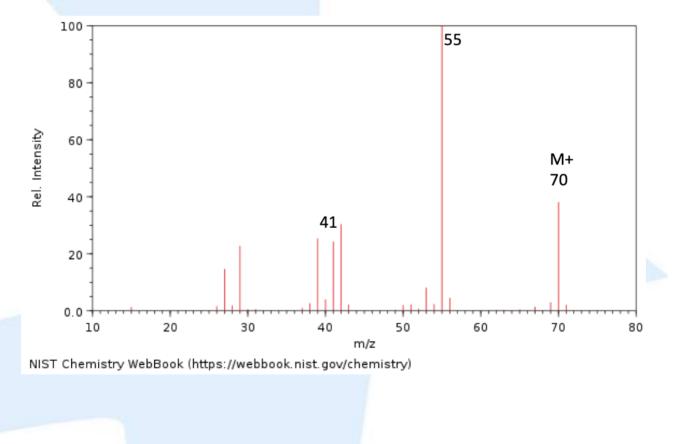
HL Spectroscopic identification of organic compounds: Question 20

Identify **Compound T** from the data (a – d) given and explain how you arrived at your answer

(a) Elemental analysis of Compound T

Element	Percentage by mass
Carbon	85.60
Hydrogen	14.40

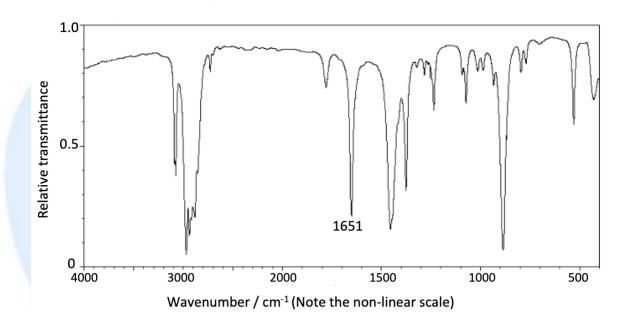
(b) Mass spectrum of Compound T



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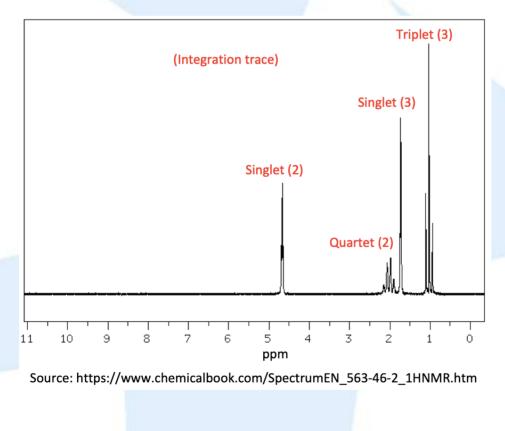


(c) Infrared spectrum of Compound T



Source: https://www.chemicalbook.com/SpectrumEN_563-46-2_IR1.htm

(d) ¹H NMR spectrum of compound T



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