Problem 1: Mass Spec

C₉H₁₂
MW = 120

Problem 1: ¹H-NMR

Problem 1: ¹³C-NMR
Problem 1: IR

Problem 1: Answer

ChemNMR: $^1H$ Estimation

Problem 2: Mass Spec

Problem 2: $^1H$-NMR
Problem 2: $^{13}$C-NMR

Problem 2: IR

Problem 2: Answer

ChemNMR $^1$H Estimation

ChemNMR $^{13}$C Estimation

Estimation quality is indicated by color: good, medium, rough
Problem 3: Answer

ChemNMR $^1$H Estimation

Estimation quality is indicated by color: good, medium, rough

Problem 3: Answer

ChemNMR $^{13}$C Estimation

Estimation quality is indicated by color: good, medium, rough

Problem 4: Mass Spec

$C_8H_{19}N$

MW = 129

Problem 4: $^1$H-NMR
Problem 5: Answer

ChemNMR $^1$H Estimation

ChemNMR $^{13}$C Estimation

Estimation quality is indicated by color: good, medium, rough

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