Name:	
Chem 4406: Molecular Spectroscopy Laboratory	
Gas Chromatography/Mass Spectrometry Type II Report:	Score
1) Purpose (5 points)	
2) Introduction (5 points)	
3) Procedure for Unknown 1 (15 points)	
4) Procedure for Unknown 2 (15 points)	
5) Results for Unknown 1 (15 points) a) Include spectrum of unknown 1 (3 points)	
b) Label important ions in spectrum such as M ⁺ and base peak (6 points)	
c) Tabulate all data (6 points)	
6) Results for Unknown 2 (15 points) a) Include spectrum of unknown 2 (3 points)	
b) Label important ions in spectrum such as M ⁺ and base peak (6 points)	
c) Tabulate all data (6 points)	
7) Discussion & Conclusion (30 points) a) Give possible structure or name of unknown 1 (5 points)	
b) Unknown 1 calculation of molecular formula and applying nitrogen rule (5 points)	
c) Give possible structure or name of unknown 2 (5 points)	
d) Unknown 2 calculation of molecular formula and applying nitrogen rule (5 points)	

TOTAL SCORE: _____

e) Discuss your findings and make conclusions (10 points)