Chem 4406: Molecular Spectroscopy Laboratory	
Gas Chromatography/Mass Spectrometry Type I Report:	Score
1) Purpose (5 points)	
2) Introduction (5 points)	
3) Block Diagram of Instrument (5 points)	
4) Description of Instrument (5 points)	
5) Theory (10 points) a) Why the analyte give a signal (5 points)	
b) Where the analyte signal arises from (5 points)	
4) Procedure (20 points)	
5) Results (25 points) a) Include spectrum (5 points)	
b) Label important ions in spectrum such as M ⁺ and base peak (10 points)	
c) Tabulate all data (10 points)	
6) Discussion/Conclusion (25 points) a) Attempt calculation of molecular formula and applying nitrogen rule (10 points)	
b) Discuss your findings and make conclusions (15 points)	

TOTAL SCORE: _____