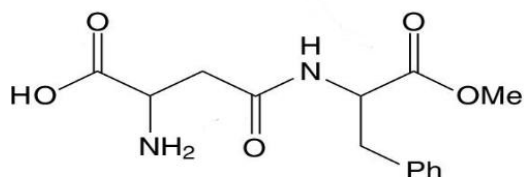
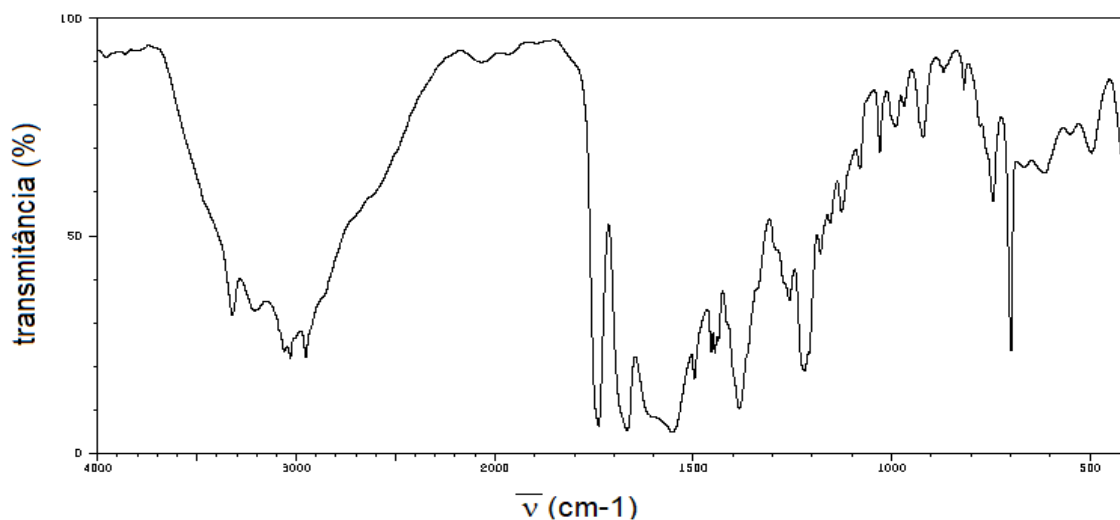


1) O adoçante aspartame tem a seguinte fórmula estrutural:



Dado o seu espectro no infravermelho, atribua as frequências características dos modos vibracionais de cada grupo funcional.

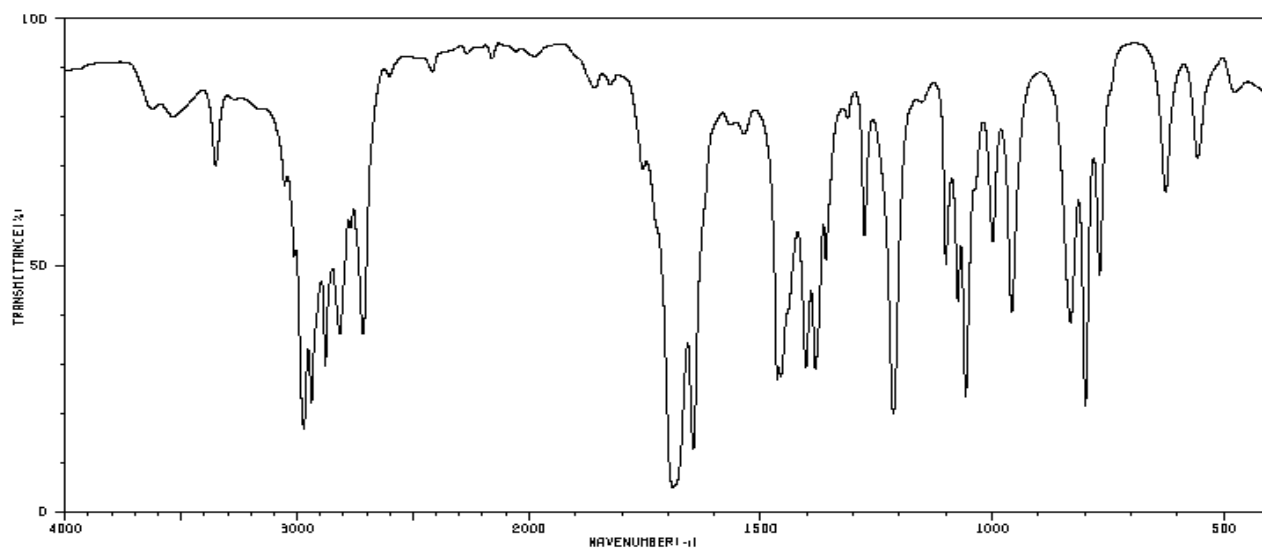
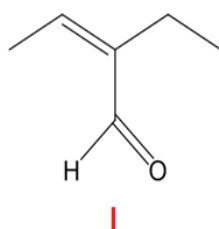
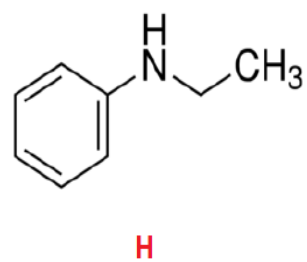
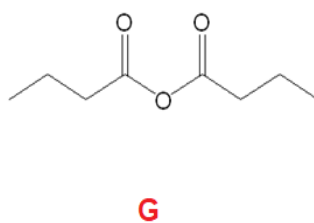
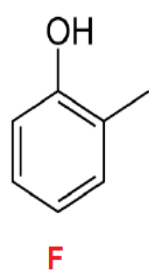
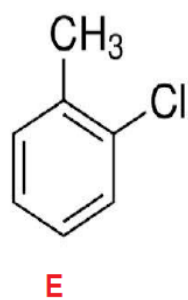
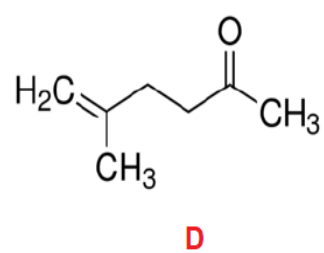
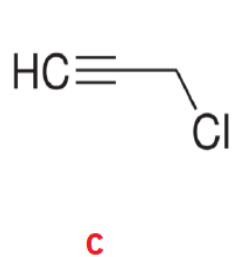
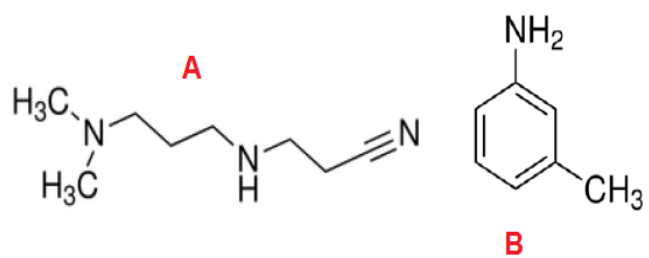


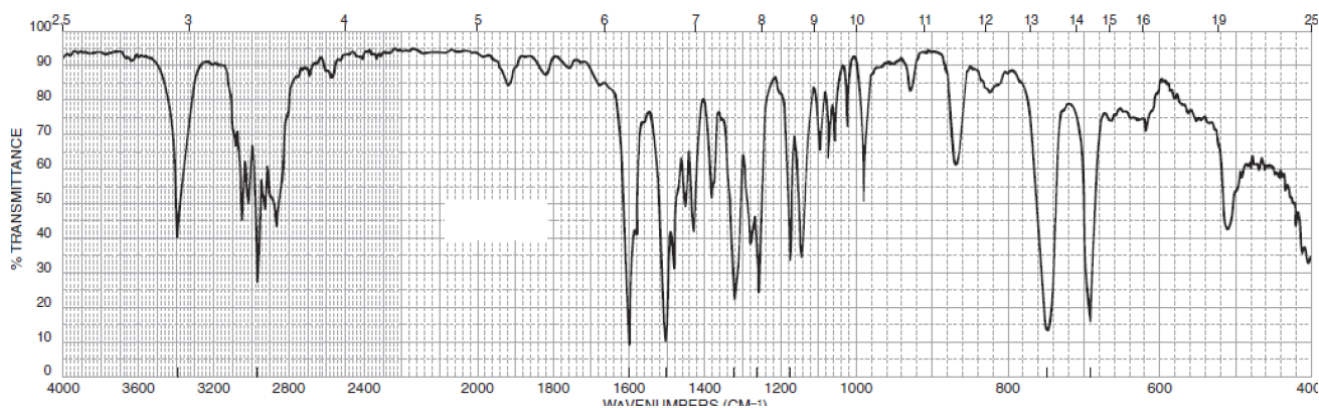
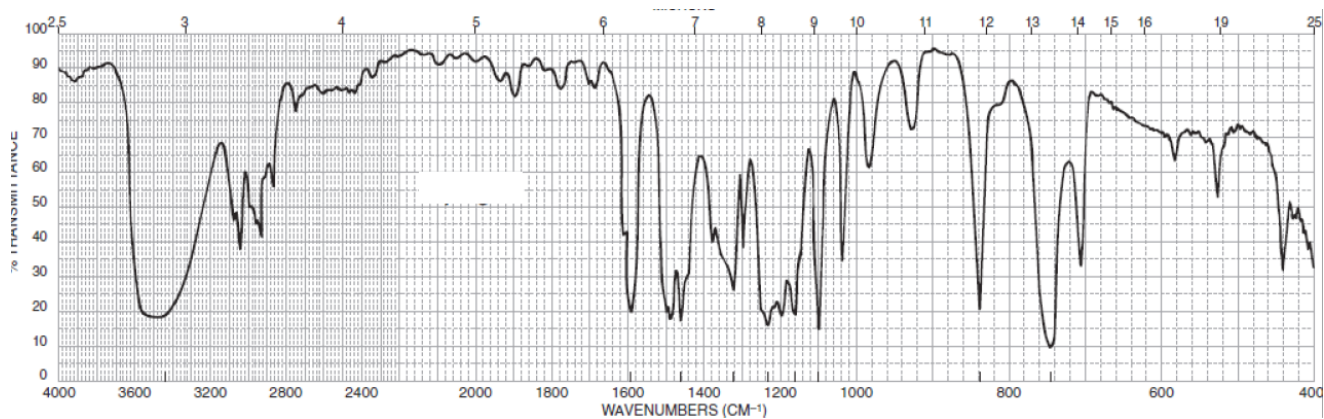
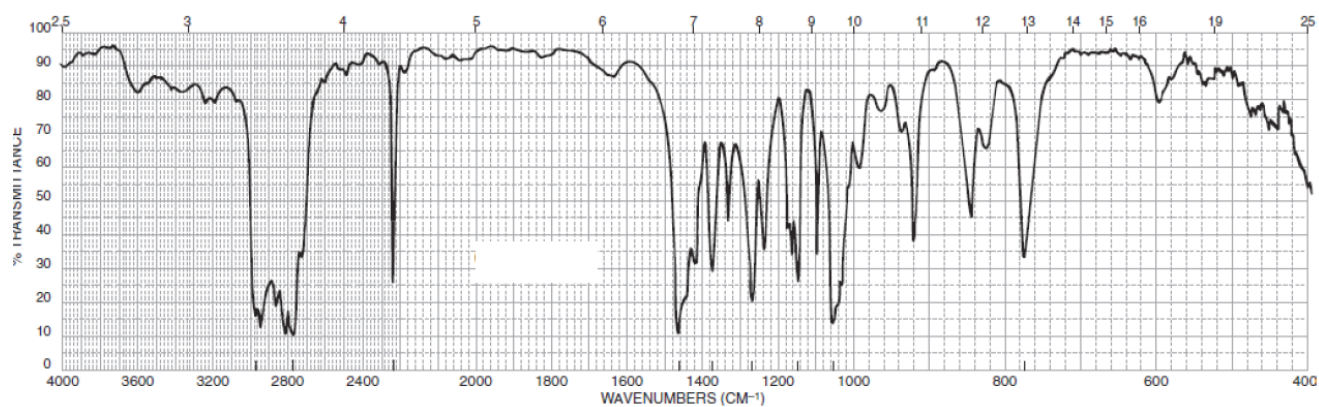
2) Relacione os compostos apresentados na próxima página, com os espectros no infravermelho. Para decidir qual composto se refere a cada espectro, recorde as frequências de estiramento características de cada grupo funcional e, quando necessário, considere também as deformações angulares (bending, wagging etc).

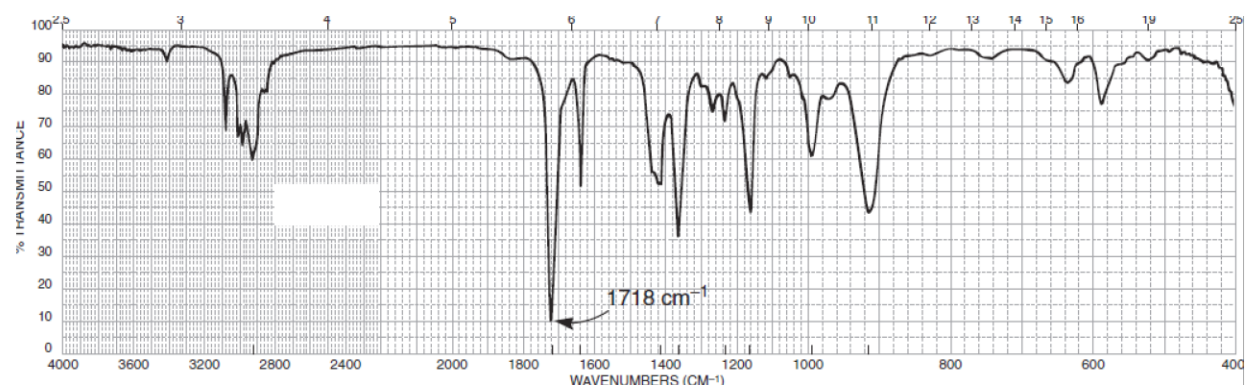
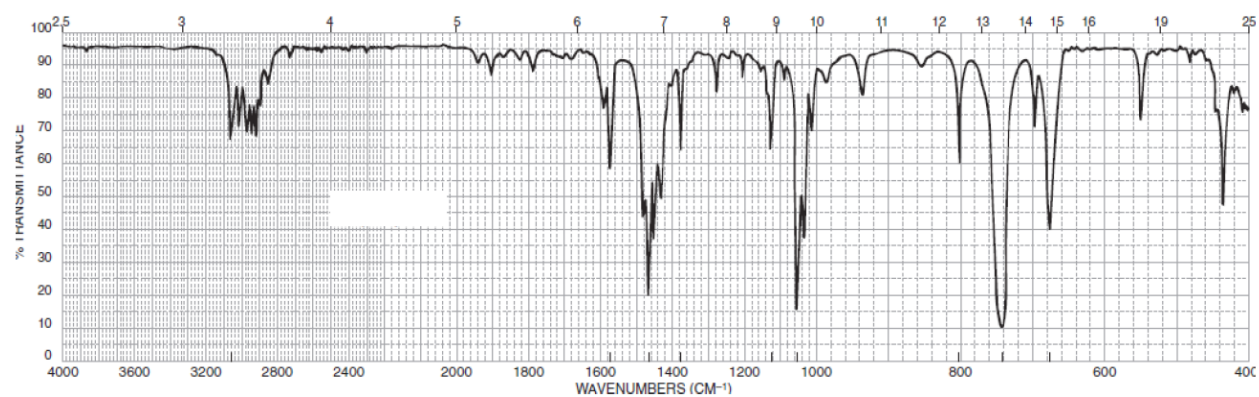
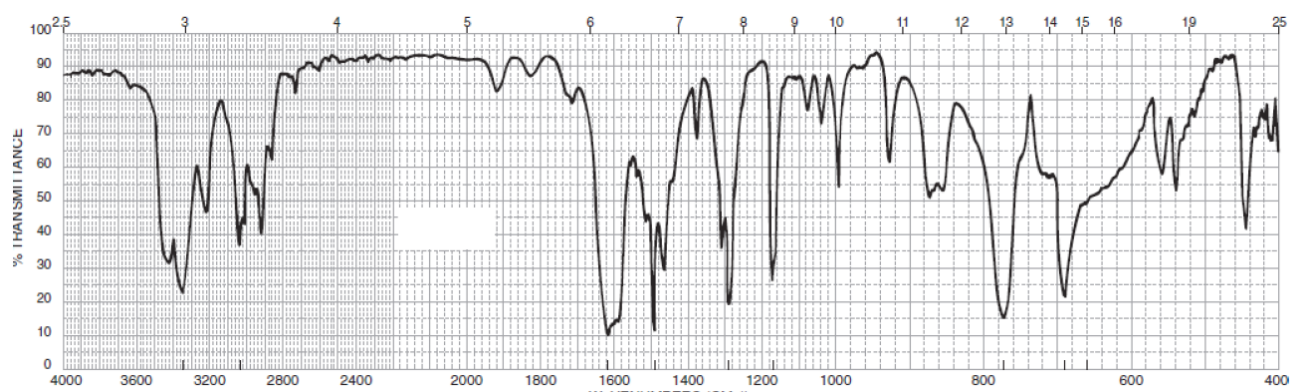
Para auxiliar nesta tarefa, acesse o site

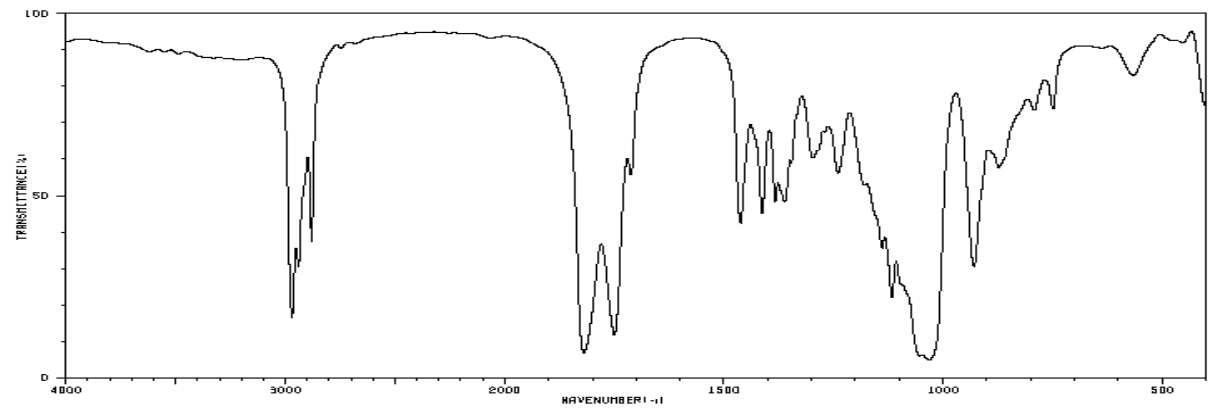
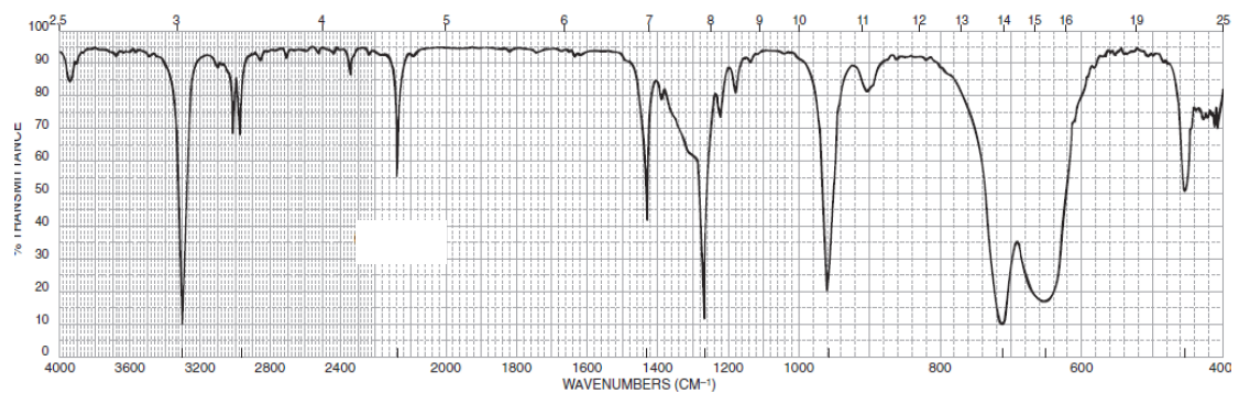
https://www.cpp.edu/~psbeauchamp/pdf/spec_ir_nmr_spectra_tables.pdf

que traz excelentes tabelas.









Bom trabalho !