Ultraviolet Practice #1

Calculate UV maxima for each of the following. Show your work, including which UV table you used.

a.

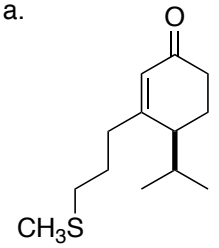

Table UV.2

Base	215
alkyl β x 1	12
λ_{max} =	227 nm

d.

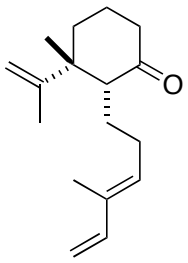

Table UV.1

Base	214
alkyl x 2	10
λ_{max} =	224 nm

b.

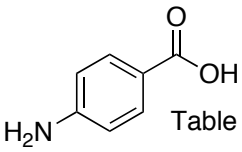

Table UV.3

G = OH	230
p NH_2	58
λ_{max} =	288 nm

e.

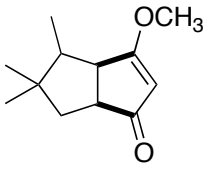

Table UV.2

Base	202
OCH_3 β	30
λ_{max} =	232 nm

c.

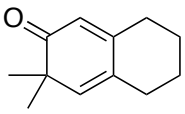

Table UV.2

Base	215
alkyl β	12
alkyl ≥ γ	18
homodiene	39
λ_{max} =	284 nm