

Supporting information for

Photodissociation Dynamics of Xylene Isomers $C_6H_4(CH_3)_2$ at 157 nm using an Ultracompact Velocity Map Imaging Spectrometer – The C_7H_7 Channel.

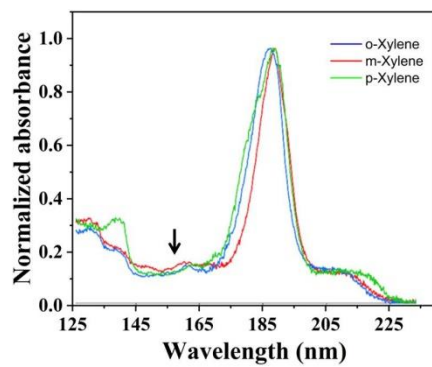


Figure S1: VUV absorption spectra of three xylene isomers $C_6H_4(CH_3)_2$ from reference 1. The notation of each isomer is displayed in the right corner. The black arrow indicates the excitation wavelength used in the current photodissociation experiment.

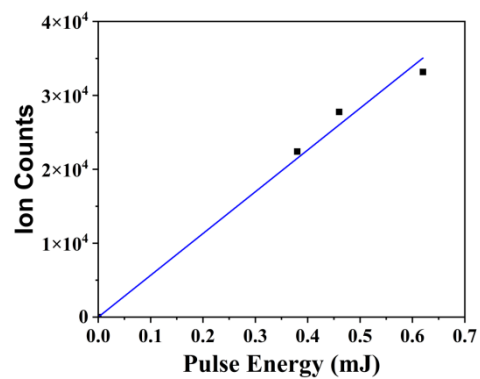


Figure S2: Total $C_7H_7^+$ ($m/z = 91$) ion counts as a function of laser pulse energy in the photodissociation of o-xylene at 157 nm. The straight line represents the linear fit through the origin of the total ion counts at different pulse energies.

References

- [1] P. Johnson, GC/VUV: A novel tool for the identification and quantitation of gas-phase analytes, Labcompare (2018).