

SUPPORTING INFORMATION

Product Branching Fractions of the CH + Propene Reaction from Synchrotron Photoionization Mass Spectrometry

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Figure S1.

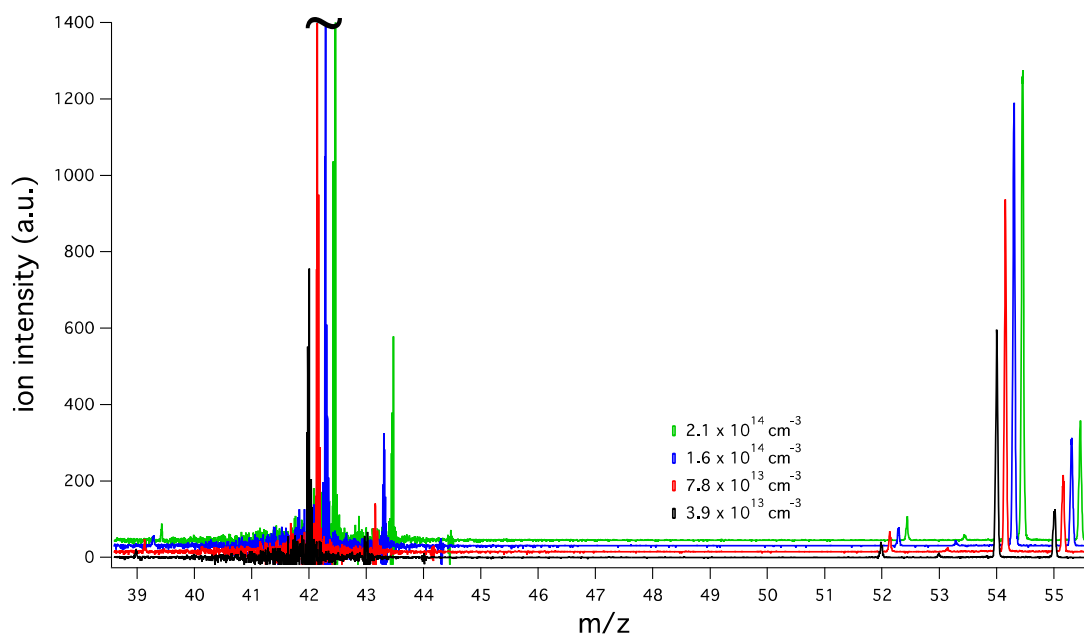


Figure S1. Mass spectra acquired at 10.5 eV for the CH + propene reaction integrated over 0 – 80 ms for four propene concentrations: $3.9 \times 10^{13} \text{ molecule cm}^{-3}$ (black), $7.8 \times 10^{13} \text{ molecule cm}^{-3}$ (red), $1.6 \times 10^{14} \text{ molecule cm}^{-3}$ (blue) and $2.1 \times 10^{14} \text{ molecule cm}^{-3}$ (green). The mass spectra are slightly offset in both the horizontal and vertical domains to assist the comparison.

Figure S2.

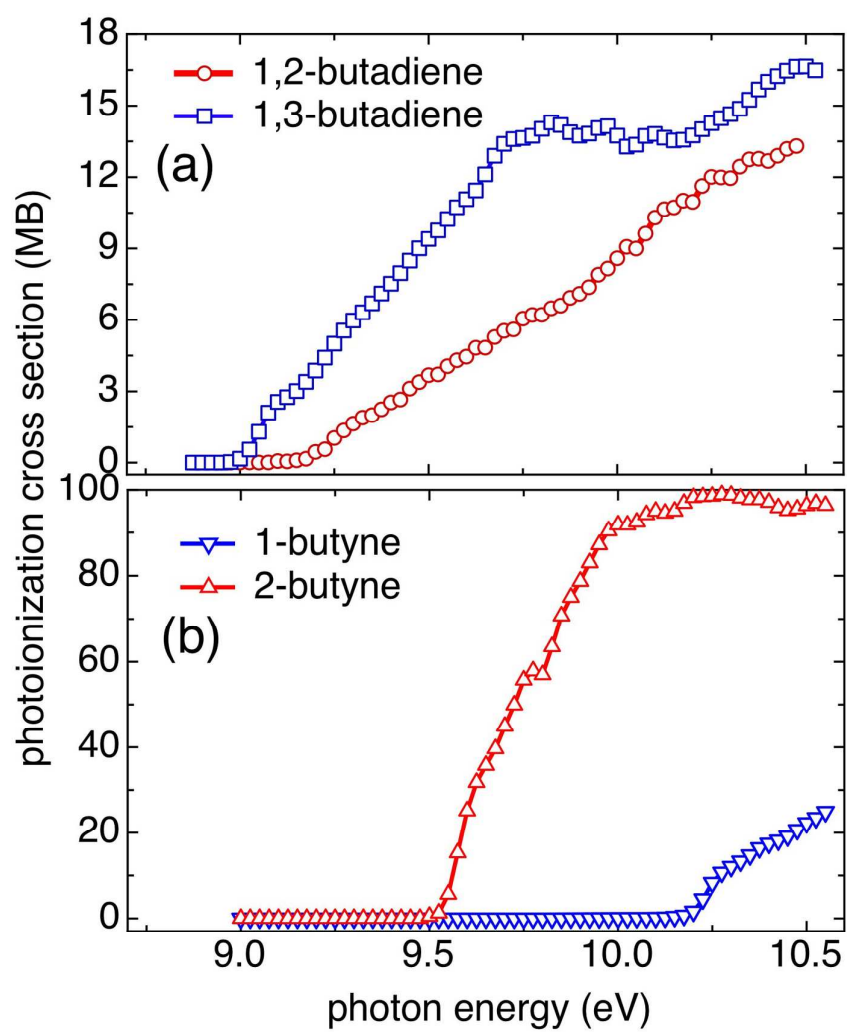


Figure S2. Absolute photoionization spectra of four C₄H₆ species: (a) 1,2-butadiene (open circles) and 1,3-butadiene (open squares); (b) 1-butyne (open inverted triangles) and 2-butyne (open triangles).

Figure S3.

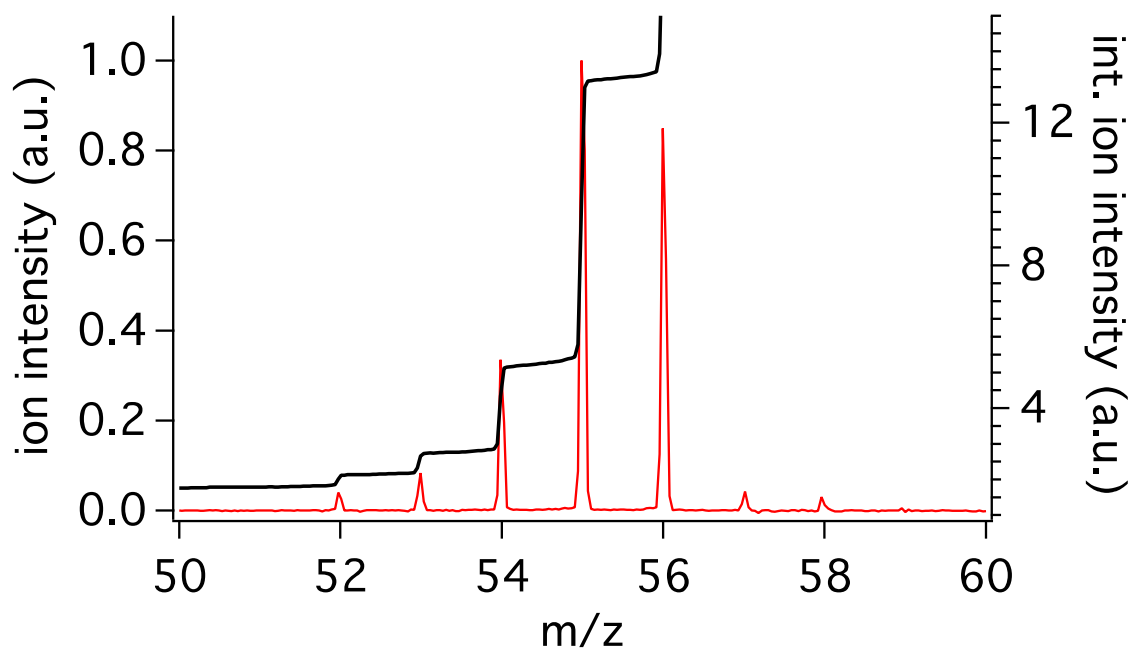


Figure S3. Product mass spectrum (red) and corresponding integrated signal (black) over 10.35, 10.375 and 10.4 eV photon energy. Integrated signal is 2.45 at m/z 54 and 7.99 at m/z 55