Supplementary Information Figure 1S



Fig. 1S. Beer-Lambert plots of $CF_3(CH_2)_xCHO$ at 185 nm and T = 298 K.



Fig 2S. Infrared spectrum of a diluted mixture of CF_3CH_2CHO and $CF_3CH_2CH_2CHO$ recorded during a kinetic experiment.





Fig 38. Plots of the Beer-Lambert law obtained in the calibration of the integrated absorption cross sections, S_{int} , for CF₃CH₂CHO and CF₃CH₂CHO.