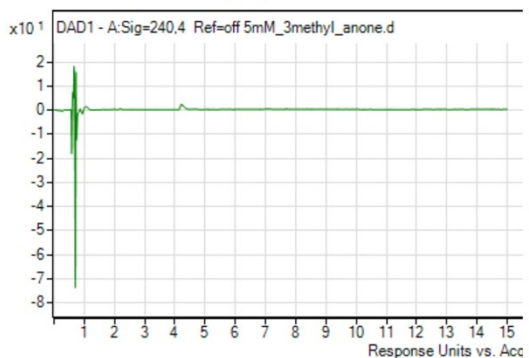
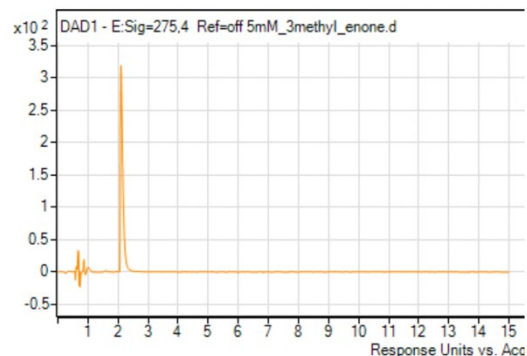
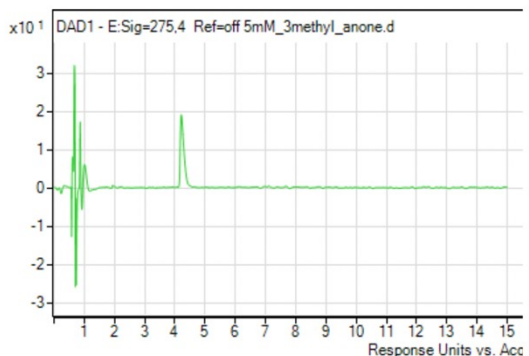
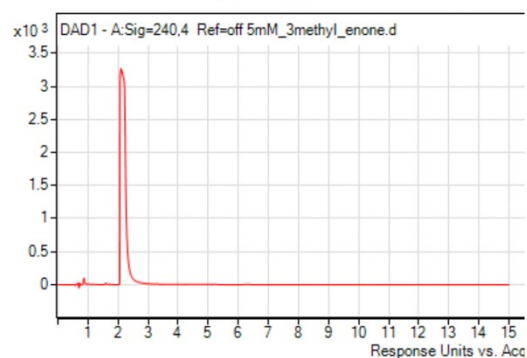


A

3-methylcyclohexanone

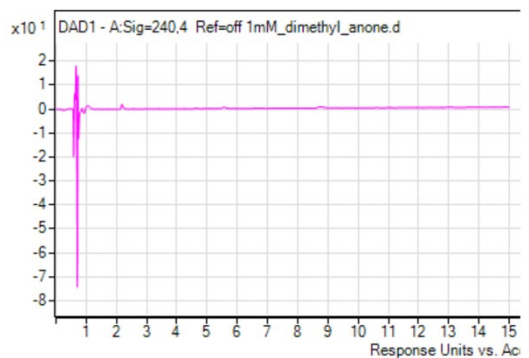


3-methyl-2-cyclohexenone



B

4,4-dimethylcyclohexanone



4,4-dimethyl-2-cyclohexen-1-one

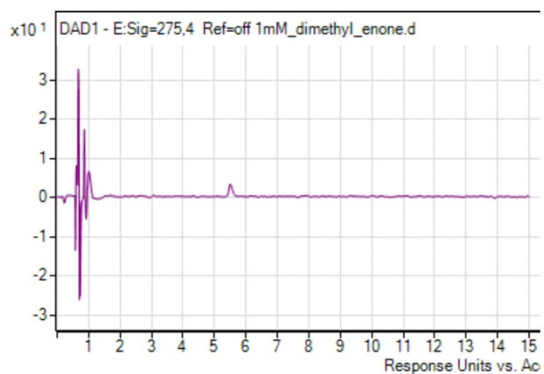
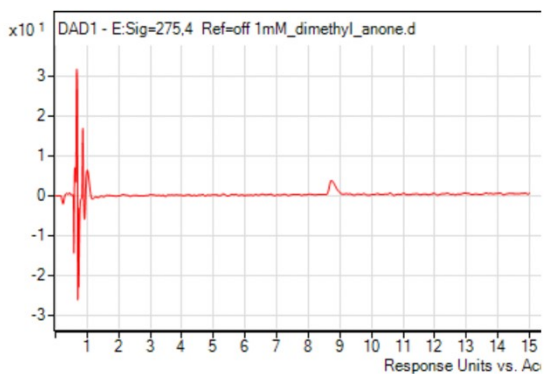
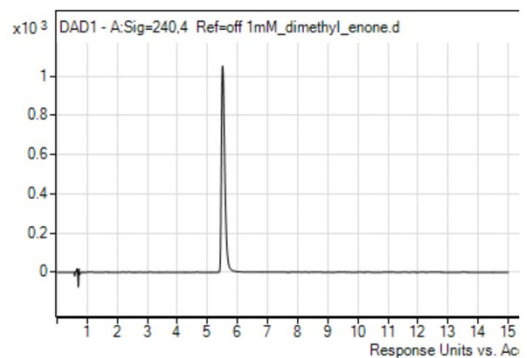


Figure S2. HPLC chromatograms from 5 mM standards of substrates (left) and corresponding products (right). Chromatograms were recorded at 240 nm (top) and 275 nm (bottom) for each standard. Chromatograms were acquired for 15-20 minutes. Substrates generally absorbed weakly at 275 nm and products absorbed much more strongly at 240 nm by virtue of their double bonds. 3-methylcyclohexanone had a retention time of ~4.2 min and 3-methyl-2-cyclohexenone had a retention time of ~2.0 min (**A**). 4,4-dimethylcyclohexanone had a retention time of ~8.8 min and 4,4-dimethyl-2-cyclohexen-1-one had a retention time of ~5.6 min (**B**).