Approx Ratio OAOA ADAPT QAOA 2L ADAPT VQE 2L 1000.0 10^{0.0} 1000.0 10-0.1 10-0.1 10-0.1 6 8 10 2 3 4 5 6 7 1.0 1.5 2.0 2.5 3.0 4 Layers Layers Layers