ADAPT QAOA 2L **QAOA** 0.6 Mean(Grad) 1.25 Mean(Grad) 8 8 1.00 0.5 0.75 0.4 0.50 0.3 0.25 0.00 80 20 40 60 0 20 60 80 0 40 Layers Layers **ADAPT VQE 2L** VQE 0.64 Mean(Grad) 0.15 Mean(Grad) 8 8 0.62 0.10 0.60 0.58 0.05 0.56 0.00 2 100 200 300 3 4 0 400 1 Layers Layers