## Approx Ratio OAOA ADAPT QAOA 2L ADAPT VQE 2L 10<sup>0.0</sup> 10<sup>0.0</sup> 1000.0 10 -0.1 10-0.1 10-0.1 0 10 20 30 40 50 10 20 30 40 50 3 5 6 4 Layers Layers Layers