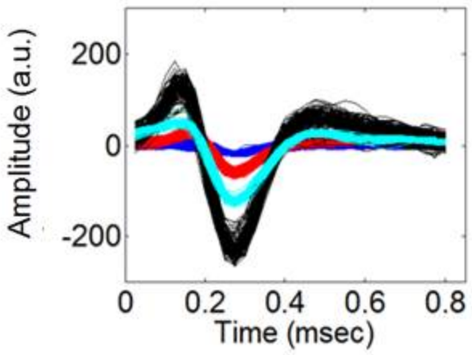
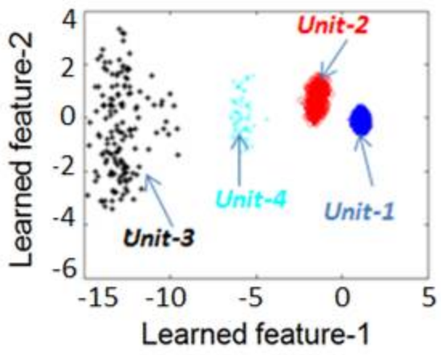
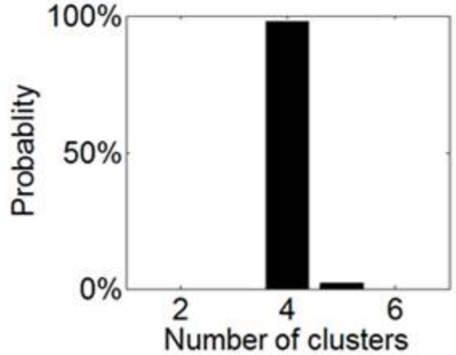
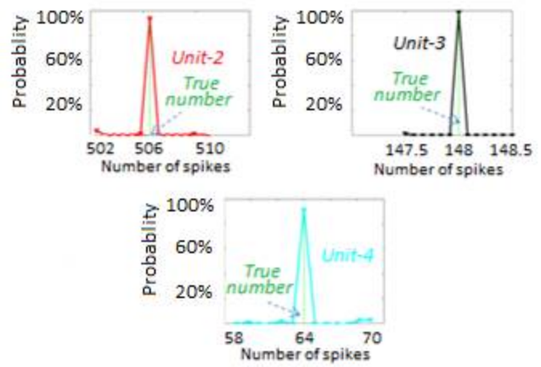
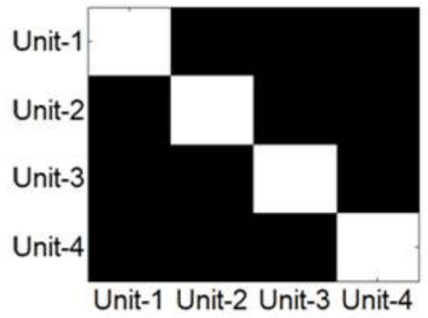
First row: Original spike waveforms



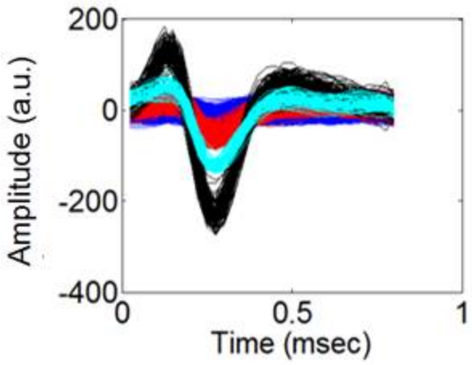


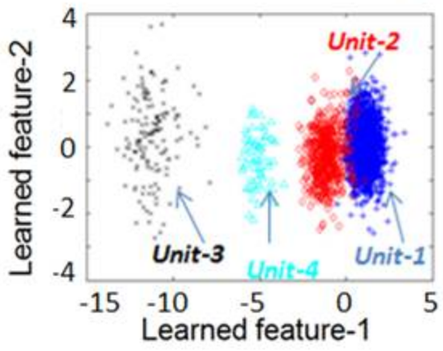


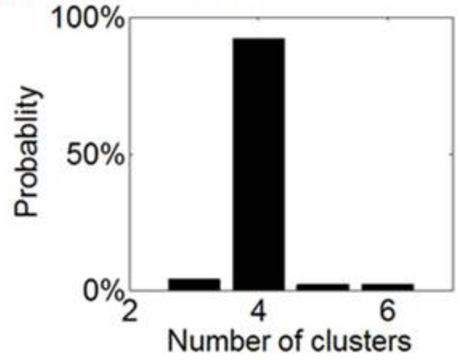


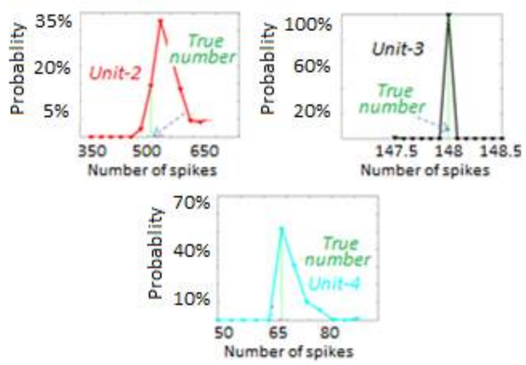


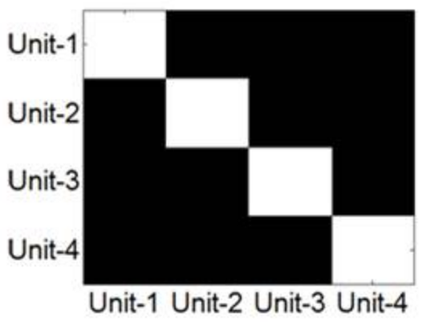
Second row: SNR=2.5



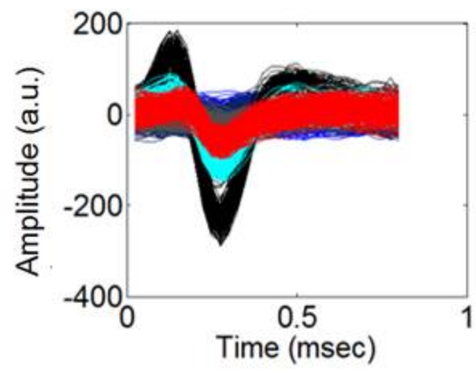


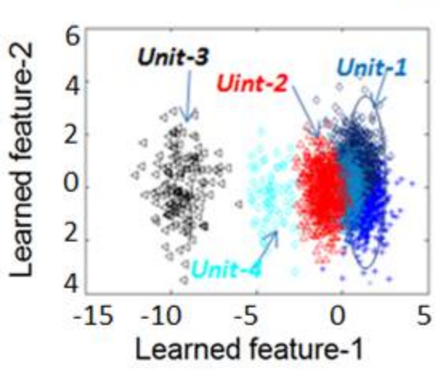


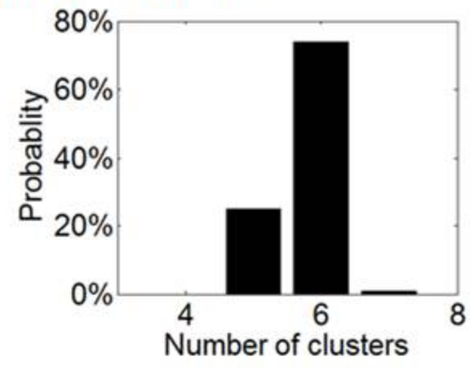


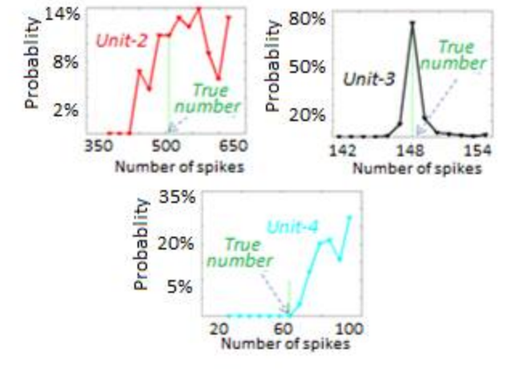


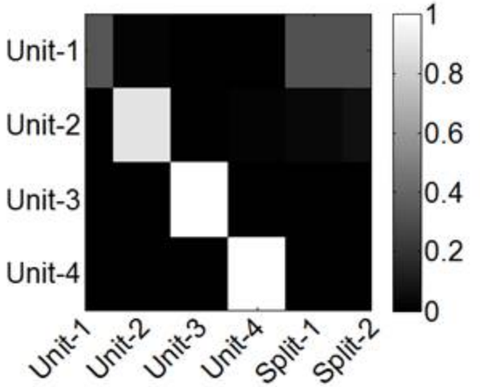
Third row: SNR=1.5











Spike waveforms for each clusters

2-D plots based on the first 2 learned features

Posterior distributions of clusters number

Posterior distributions of spikes number for sparsely-firing units

Confusion matrix Heatmap