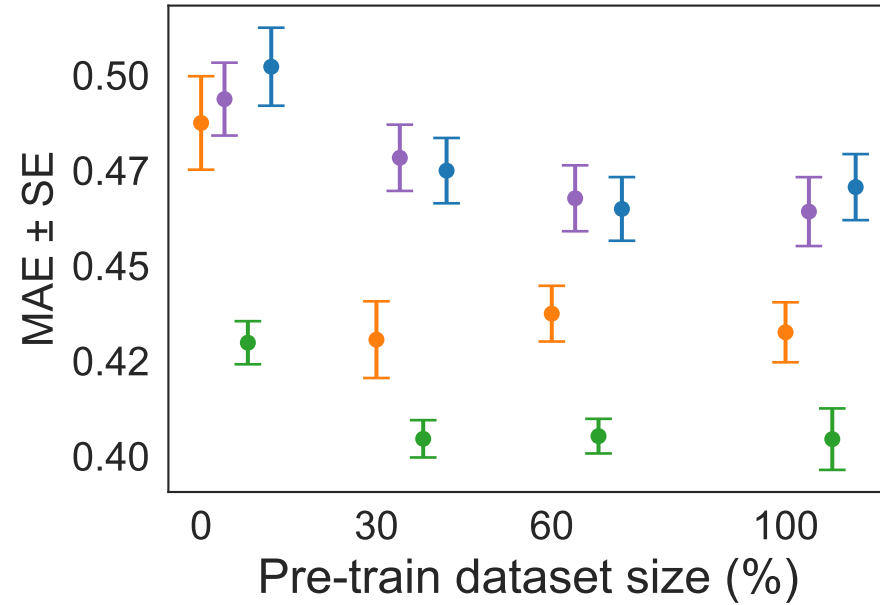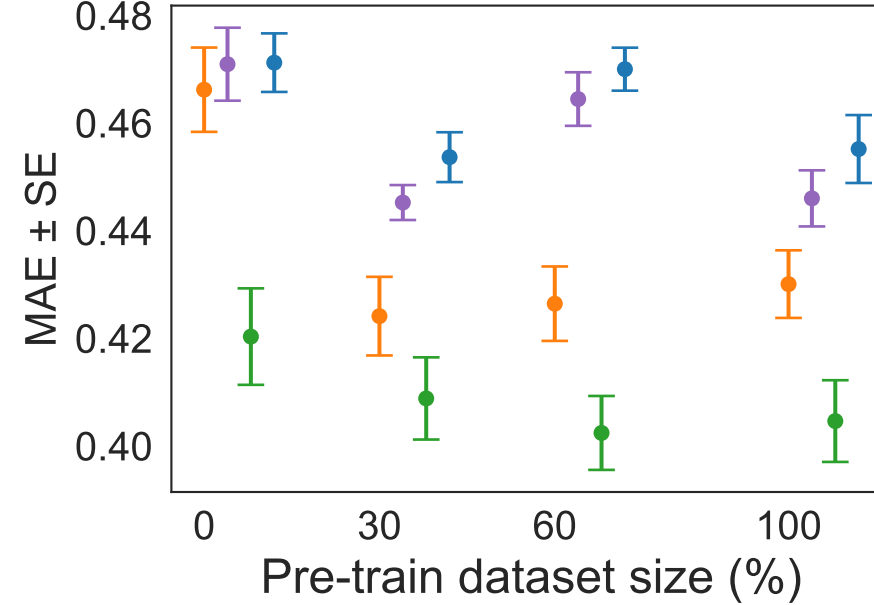Domain adaptation using different objectives / split = random