We shall review results on two related problems for kinetic Vlasov-Poisson systems in plasma physics. At first we shall describe the quasi-neutral limit which is a singular limit problem that arises in a natural scaling where the scaled Debye length which is the parameter in front of the Laplacian in the Poisson equation is very small. We shall then see how some of the techniques developed in the study of this problem also give new insights in the problem of large time asymptotic stability of stationary states.