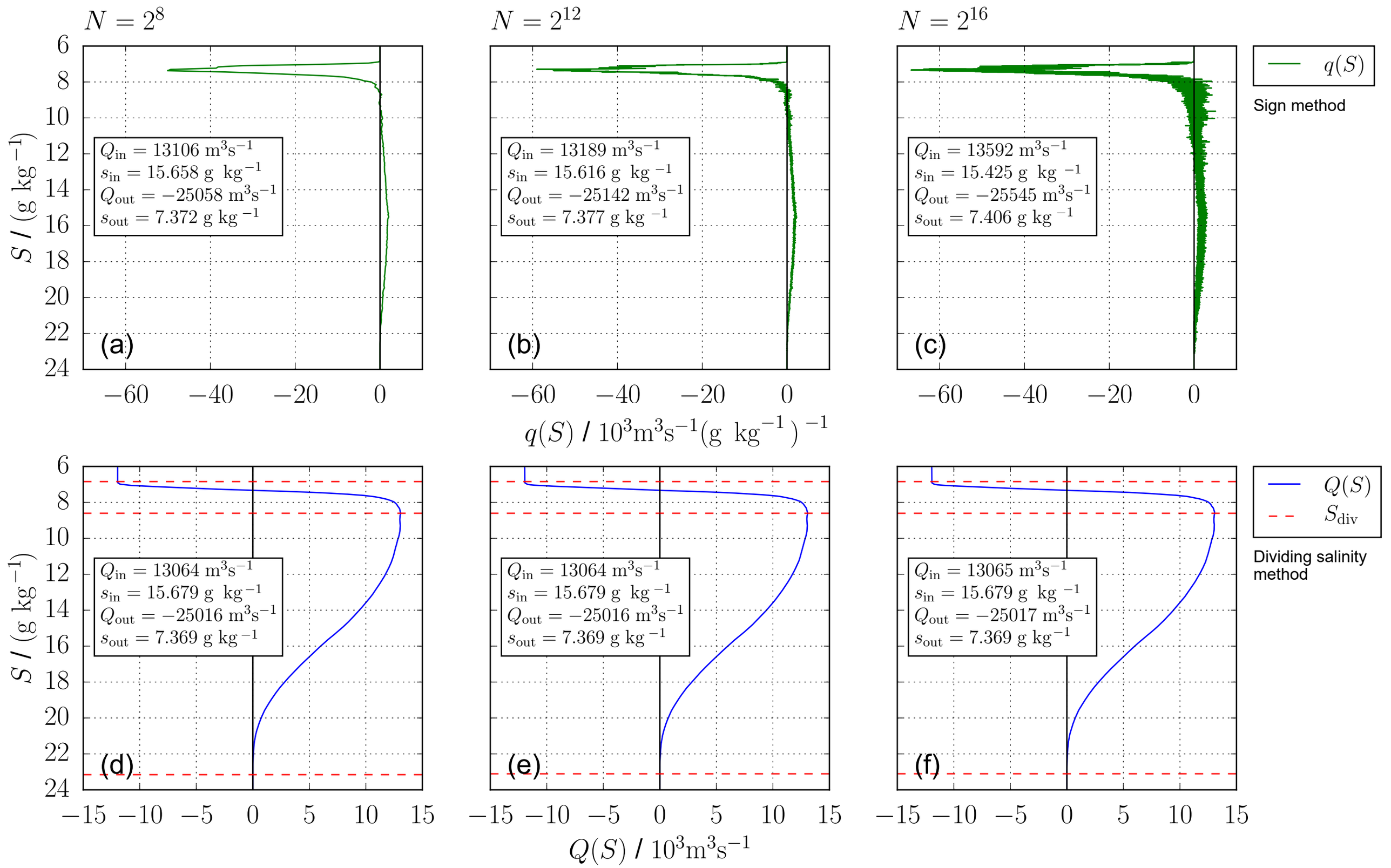
$N = 2^8$
$N = 2^{12}$
$N = 2^{16}$
S / (g kg^{-1})
$Q_{\mathrm{in}} = 13106$ m^{3}s^{-1}
$s_{\mathrm{in}} = 15.658$ g kg^{-1}
$Q_{\mathrm{out}} = -25058$ m^{3}s^{-1}
$s_{\mathrm{out}} = 7.372$ g kg^{-1}
(a)
$Q_{\mathrm{in}} = 13189$ m^{3}s^{-1}
$s_{\mathrm{in}} = 15.616$ g kg^{-1}
$Q_{\mathrm{out}} = -25142$ m^{3}s^{-1}
$s_{\mathrm{out}} = 7.377$ g kg^{-1}
(b)
$Q_{\mathrm{in}} = 13592$ m^{3}s^{-1}
$s_{\mathrm{in}} = 15.425$ g kg^{-1}
$Q_{\mathrm{out}} = -25545$ m^{3}s^{-1}
$s_{\mathrm{out}} = 7.406$ g kg^{-1}
(c)
$q(S)$
Sign method
$q(S)$ / 10^3m^{3}s^{-1}(g kg^{-1})$^{-1}$
$Q_{\mathrm{in}} = 13064$ m^{3}s^{-1}
$s_{\mathrm{in}} = 15.679$ g kg^{-1}
$Q_{\mathrm{out}} = -25016$ m^{3}s^{-1}
$s_{\mathrm{out}} = 7.369$ g kg^{-1}
(d)
$Q_{\mathrm{in}} = 13064$ m^{3}s^{-1}
$s_{\mathrm{in}} = 15.679$ g kg^{-1}
$Q_{\mathrm{out}} = -25016$ m^{3}s^{-1}
$s_{\mathrm{out}} = 7.369$ g kg^{-1}
(e)
$Q_{\mathrm{in}} = 13065$ m^{3}s^{-1}
$s_{\mathrm{in}} = 15.679$ g kg^{-1}
$Q_{\mathrm{out}} = -25017$ m^{3}s^{-1}
$s_{\mathrm{out}} = 7.369$ g kg^{-1}
(f)
$Q(S)$
S_{div}
Dividing salinity method
$Q(S)$ / 10^3m^{3}s^{-1}