QCM impedance components $R_f$ and $XL_f$ for 6 injections of 50 µL of KCl 0.3M showing excellent repeatability. Inset: parametric plot of $R_f$ vs. $XL_f$, [KCl] is the parameter and increases clockwise. Note that all the injections lay on the same parametric curve, showing a strong hysteresis.
Variation of $R_f$ and $XL_f$ for injections of NaCl solutions buffered at different pH. The solutions were injected directly in the flow system. The gold electrode was previously derivatized with aminoethanethiol. a) pH=6.4, b) pH=5.0, c) pH=6.1, d) pH=9.2, e) pH=3.7, f) pH=6.4. pH was measured close to the QCM cell. Note that the XL$_f$ variation (open circle diameter) is greater for higher pH.
QCM impedance components
$R_f$ and $X_{L_f}$ vs. BaCl$_2$ concentration.
Inset: parametric plot of $R_f$ vs. $X_{L_f}$.
[BaCl$_2$] is the parameter and increases clockwise.
QCM impedance components $R_f$ and $X_L_f$ vs. $\text{CaCl}_2$ concentration.

Inset: parametric plot of $R_f$ vs. $X_L_f$, $[\text{CaCl}_2]$ is the parameter and increases clockwise.
QCM impedance components
$R_{f}$ and $X_{L_{f}}$ vs. $\text{AlCl}_3$ concentration.
Inset: parametric plot of $R_{f}$ vs. $X_{L_{f}}$, $[\text{AlCl}_3]$ is the parameter and increases clockwise.
QCM impedance components
$R_f$ and $XL_f$ vs. $\text{ZnSO}_4$ concentration.
Inset: parametric plot of $R_f$ vs. $XL_f$,
$[\text{ZnSO}_4]$ is the parameter and increases clockwise.