

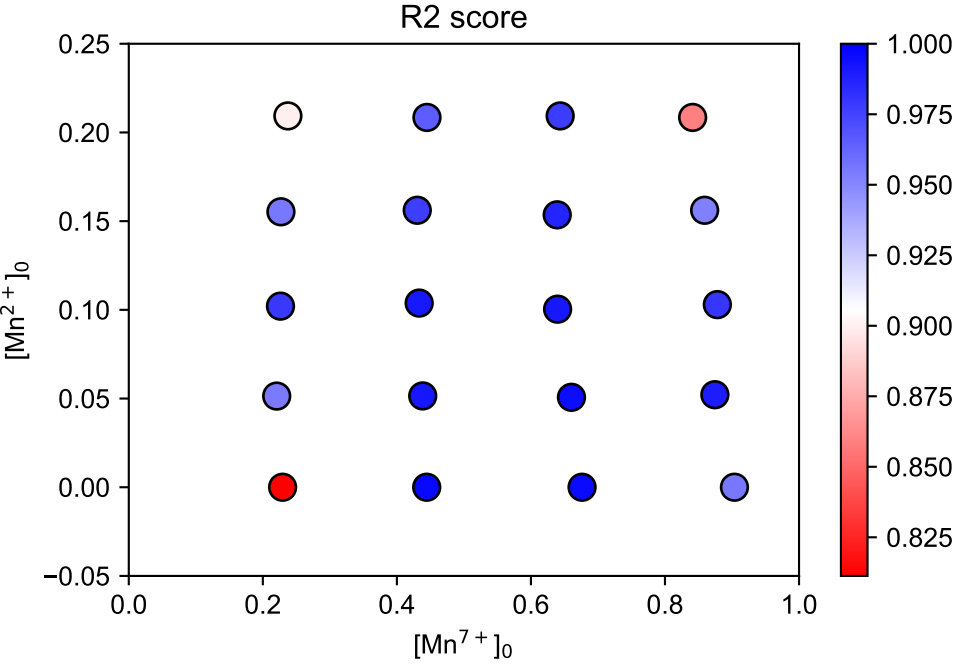
path: result/sparse_numerical_split
filename: 0000

chem formula:
['Mn+7', 'Mn+3', 'Mn+2']

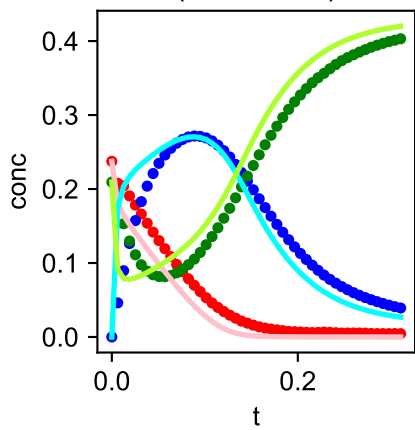
k_max = 1.00e+04
k_cut = 1.00e-02
lam = 0.00e+00
num_eq = 18
loss = 9.60e-03

MRSE train = 9.60e-03
MESE test = 5.99e-02

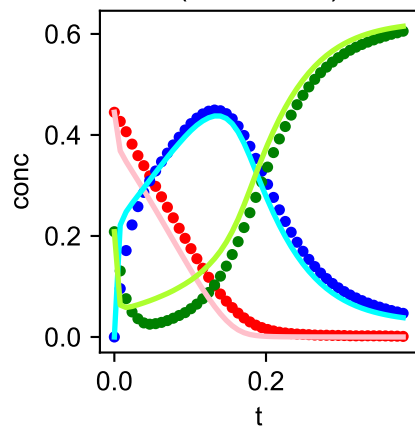
(1)	Mn+7	-> Mn+3	k = 0.25
(2)	Mn+3	-> Mn+7	k = 0.00
(3)	Mn+3	-> Mn+2	k = 19.02
(4)	Mn+2	-> Mn+3	k = 0.65
(5)	Mn+7 + Mn+2	-> 2 Mn+3	k = 66.77
(6)	2 Mn+3	-> Mn+7 + Mn+2	k = 9.83
(7)	2 Mn+3	-> 2 Mn+2	k = 0.00
(8)	2 Mn+2	-> 2 Mn+3	k = 0.13
(9)	Mn+7 + 2 Mn+2	-> 3 Mn+3	k = 806.60
(10)	3 Mn+3	-> Mn+7 + 2 Mn+2	k = 0.00
(11)	3 Mn+3	-> 3 Mn+2	k = 0.00
(12)	3 Mn+2	-> 3 Mn+3	k = 0.00
(13)	Mn+7 + 3 Mn+2	-> 4 Mn+3	k = 9999.98
(14)	4 Mn+3	-> Mn+7 + 3 Mn+2	k = 0.00
(15)	4 Mn+3	-> 4 Mn+2	k = 4.79
(16)	4 Mn+2	-> 4 Mn+3	k = 0.00
(17)	Mn+7 + 4 Mn+2	-> 5 Mn+3	k = 16.22
(18)	5 Mn+3	-> Mn+7 + 4 Mn+2	k = 11.63



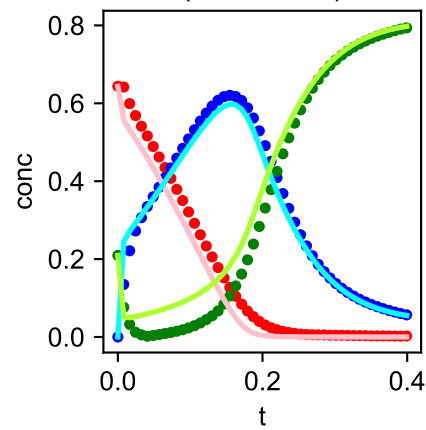
(0.24, 0.21)



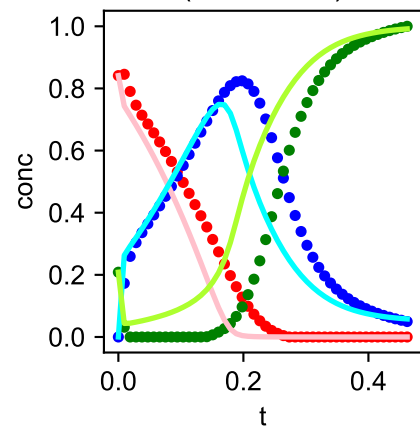
(0.44, 0.21)



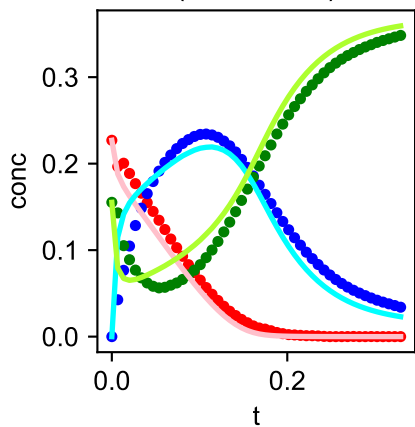
(0.64, 0.21)



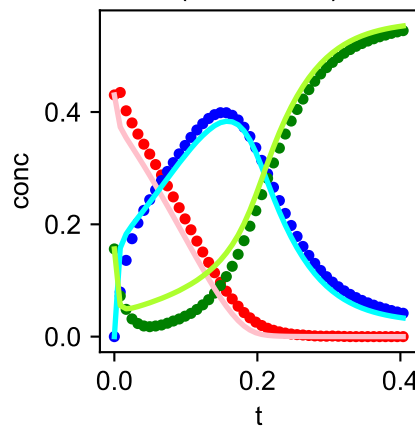
(0.84, 0.21)



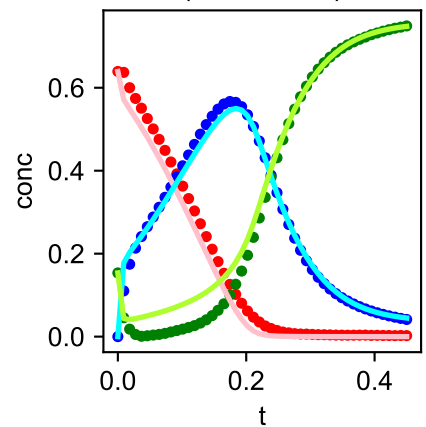
(0.23, 0.16)



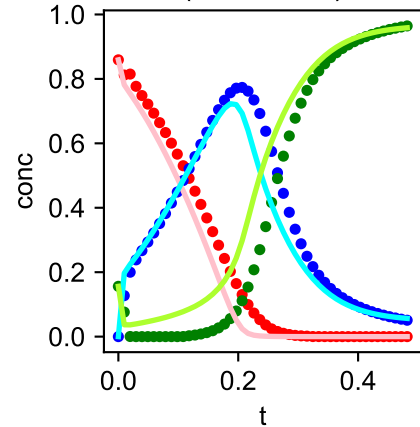
(0.43, 0.16)



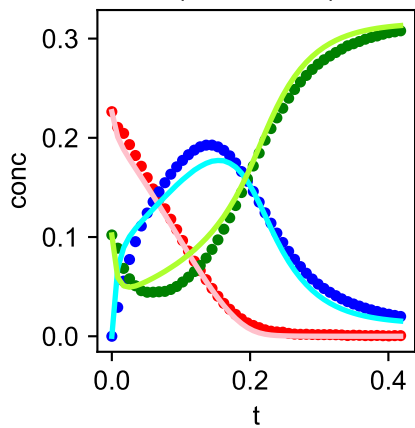
(0.64, 0.15)



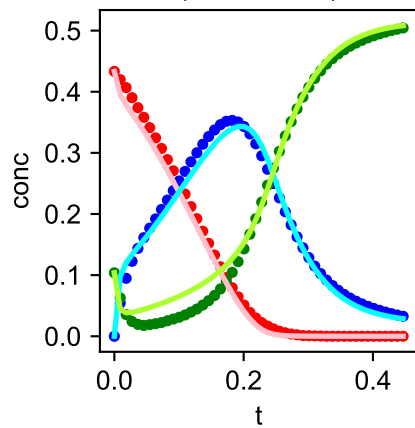
(0.86, 0.16)



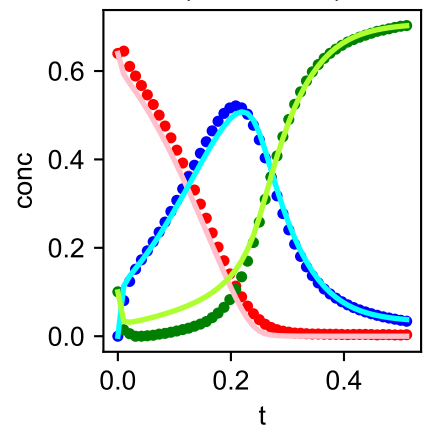
(0.23, 0.10)



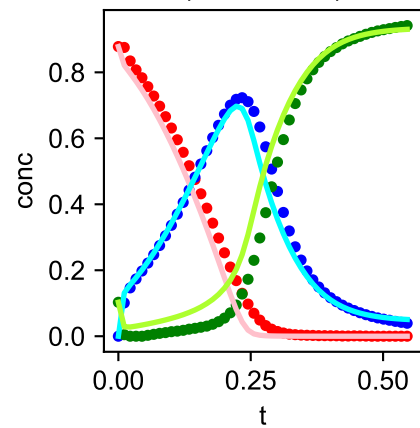
(0.43, 0.10)



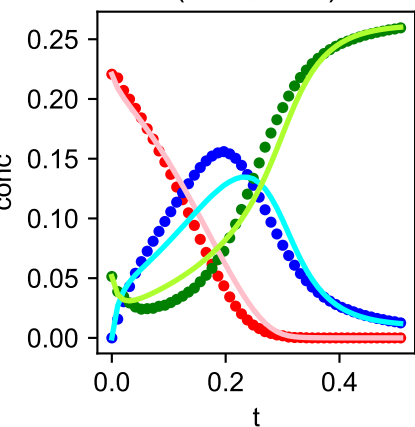
(0.64, 0.10)



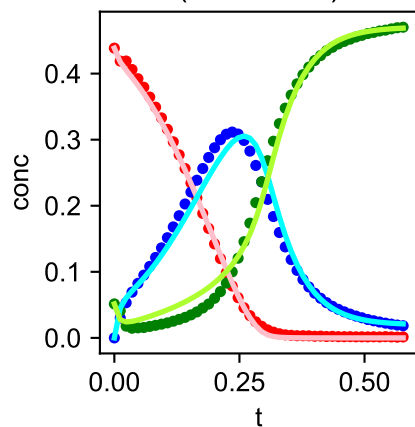
(0.88, 0.10)



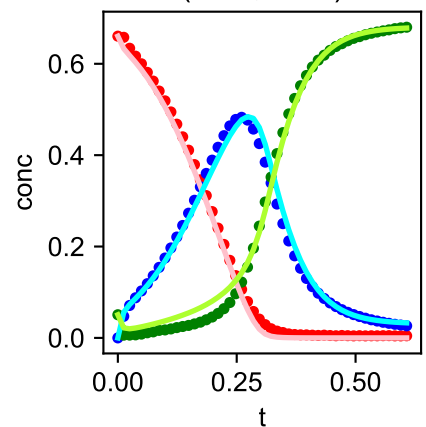
(0.22, 0.05)



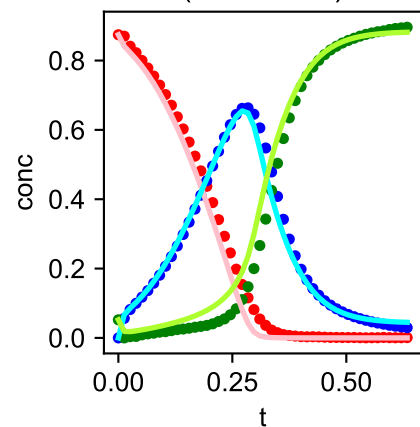
(0.44, 0.05)



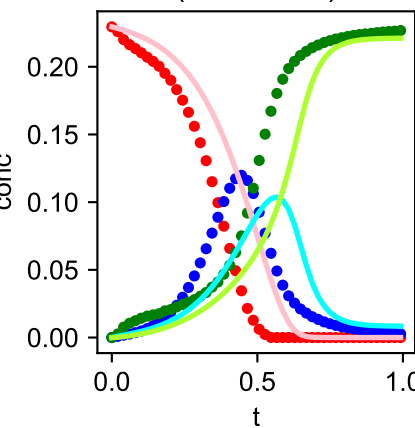
(0.66, 0.05)



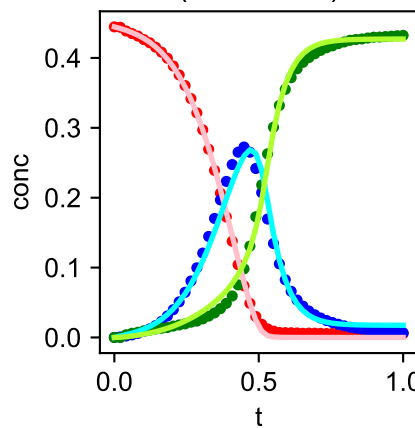
(0.87, 0.05)



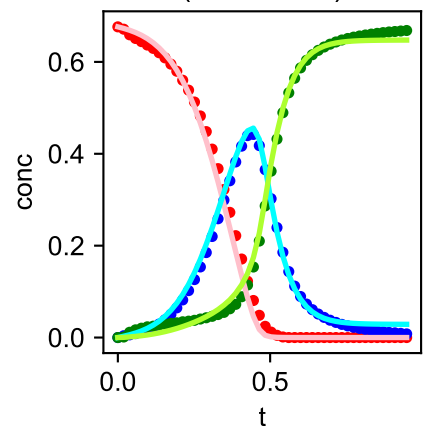
(0.23, 0.00)



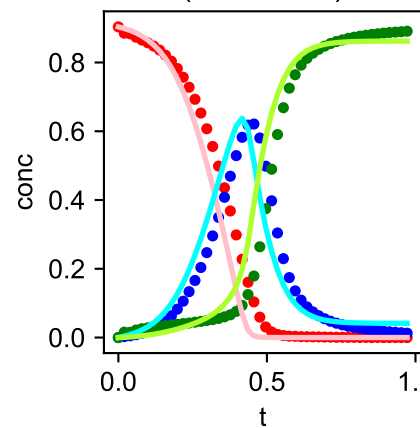
(0.44, 0.00)



(0.68, 0.00)



(0.90, 0.00)

([Mn⁷⁺]₀, [Mn²⁺]₀)— sim(Mn⁷⁺)— sim(Mn³⁺)— sim(Mn²⁺)• exp(Mn⁷⁺)• exp(Mn³⁺)• exp(Mn²⁺)