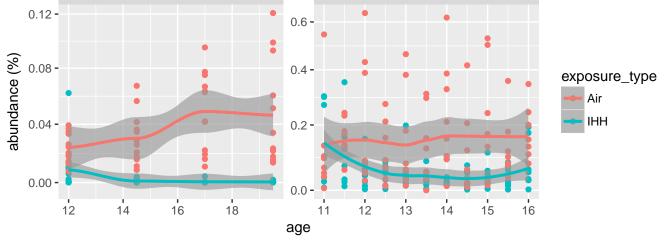
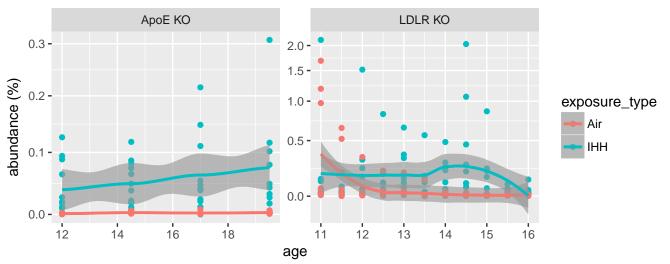
metabolite 1: trans-Vaccenic acid ApoE KO LDLR KO 7.5 -1.5 -5.0 aprindance (%) exposure\_type 2.5 -Air IHH 0.0 -0.0 -12 16 18 12 13 15 14 14 16 age

metabolite 2: a-Muricholic acid ApoE KO LDLR KO 1.00 -0.15 -0.75 abundance (%) exposure\_type 0.10 -0.50 -Air IHH 0.05 -0.25 -0.00 -0.00 -12 14 16 18 12 13 15 14 16 age

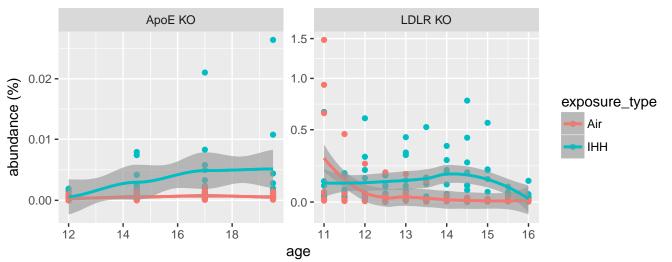
metabolite 3: cis-9-Hexadecenoic acid ApoE KO LDLR KO 0.12 -0.6 -0.08 -0.4 exposure\_type



metabolite 4: Spectral Match to Taurocholic acid from NIST14

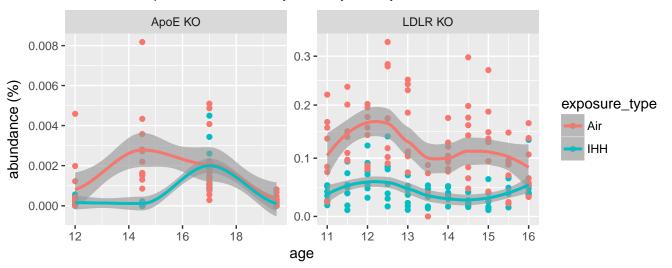


metabolite 5: Spectral Match to Taurocholic acid from NIST14



metabolite 6: cis-Vaccenic acid ApoE KO LDLR KO 0.5 -0.9 -0.4 abundance (%) exposure\_type 0.3 -0.6 -Air 0.2 -IHH 0.3 -0.1 -0.0 -12 16 18 12 13 14 15 16 14 age

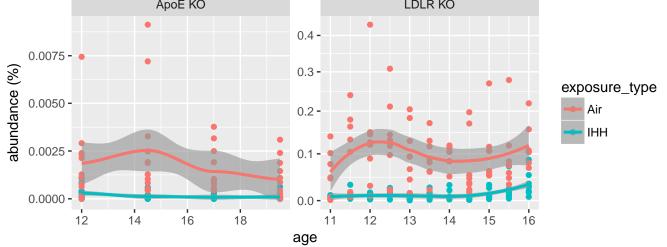
metabolite 7: Spectral Match to Benzyltetradecyldimethylammonium from NIST14



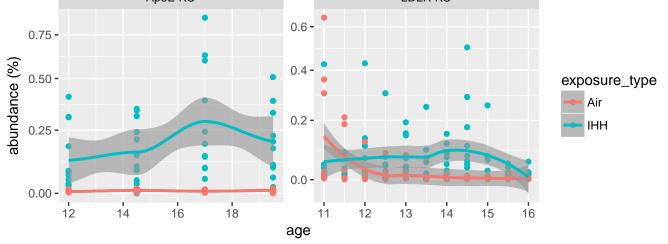
metabolite 8: a-Muricholic acid ApoE KO LDLR KO 4 -3 -2 abundance (%) exposure\_type 2 -Air IHH 12 16 18 12 13 15 16 14 14 age

metabolite 9: 423.274489\_4.297985

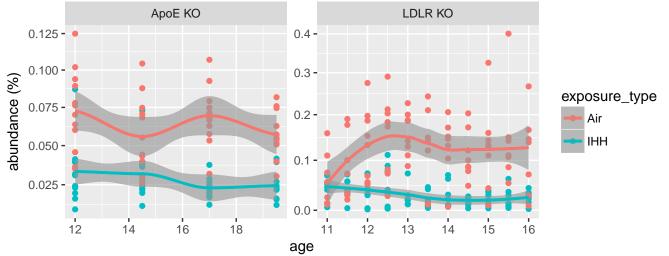
ApoE KO LDLR KO



metabolite 10: 533.326833 3.536783 ApoE KO LDLR KO 0.6 -0.75 -0.4 -0.50 exposure\_type

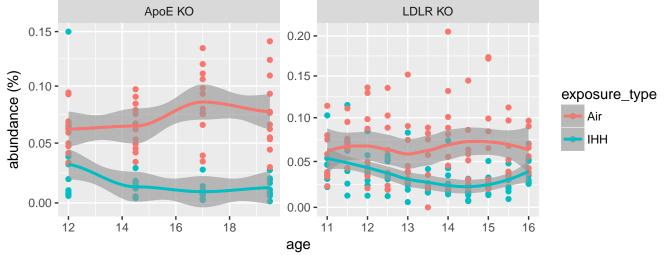


metabolite 11: 389.269120\_3.383737

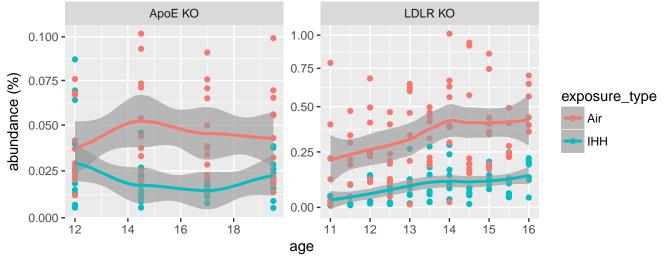


metabolite 12: 568.339625 5.054229 LDLR KO ApoE KO 0.4 abundance (%) 0.3 exposure\_type 0.2 -Air IHH 0.1 -0.0 -0.0 -16 12 13 15 14 18 14 16 age

metabolite 13: 324.289862\_5.433177



metabolite 14: 407.279363\_3.601990



metabolite 15: 514.283968 3.305113 ApoE KO LDLR KO 0.4 -0.03 -0.3 abundance (%) exposure\_type 0.02 -0.2 -Air IHH 0.1 -0.01 -0.0 -0.00 -

age

12

13

14

15

16

12

14

16

18

metabolite 16: 389.269033 3.437795 ApoE KO LDLR KO 0.5 -0.4 -0.06 abundance (%) 0.3 exposure\_type 0.04 -Air 0.2 -IHH 0.02 -0.1 -0.00 -0.0 -

age

12

13

14

15

16

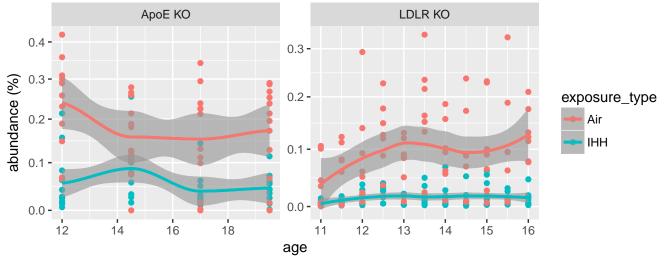
14

12

16

18

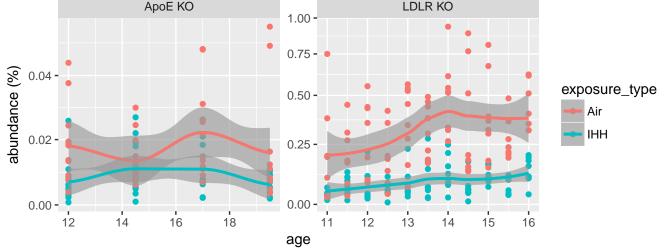
metabolite 17: 506.279112\_3.712631



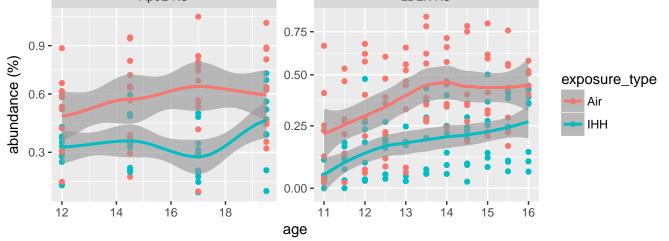
metabolite 18: 407.279326\_3.692403

ApoE KO

LDLR KO



metabolite 19: 374.277115 3.836808 ApoE KO LDLR KO 0.75 -0.9 -



metabolite 20: 601.539928 5.454058 ApoE KO LDLR KO 0.4 -0.002 -

