Final Query:

Result -> Year wise activity of users belonging to both Android and iOS.

Can also be viewed and executed at <http://data.stackexchange.com/stackoverflow/query/246493/number-of-posts-for-android-and-ios>

with t10 as (  
 select tagname from tags where tagname like 'ios%'  
and tagname not like 'iostream'  
and tagname not like 'iostat'  
and tagname not like 'iosched'  
 ),  
   
 t1 as (  
(Select distinct p2.owneruserid   
 from Posts p1, Posts p2, Posttags pt, Tags t   
 where p1.parentid = p2.id   
 and p1.id = pt.postid   
 and pt.tagid = t.id   
 and t.tagname in (Select \* from t10)  
   
 Union   
   
 Select distinct owneruserid   
 from Posts, PostTags, Tags   
 where Posts.Id= PostTags.PostID   
 and PostTags.tagID = Tags.ID  
 and Tags.Tagname in (Select \* from t10))  
   
 intersect  
   
 (Select distinct p2.owneruserid   
 from Posts p1, Posts p2, Posttags pt, Tags t   
 where p1.parentid = p2.id   
 and p1.id = pt.postid   
 and pt.tagid = t.id   
 and t.tagname like 'android%'   
 UNION   
 Select distinct owneruserid   
 from Posts, PostTags, Tags   
 where Posts.Id= PostTags.PostID   
 and PostTags.tagID = Tags.ID  
 and Tags.Tagname like 'android%')  
   
   
 ),  
 t2 as (Select owneruserid, datepart(yy, creationdate) as date, count(id) as iOSQuestions  
from Posts p1  
where   
id in (  
 Select Posts.id  
 from Posts, PostTags, Tags   
 where Posts.Id= PostTags.PostID   
 and PostTags.tagID = Tags.ID  
 and Tags.Tagname in (Select \* from t10))  
   
and owneruserid in   
(  
 Select \* from t1  
  
)  
group by owneruserid, datepart(yy, creationdate)  
  
 ),  
t3 as (  
Select owneruserid, datepart(yy, creationdate) as date, count (id) as iOSAnswers  
from Posts   
where   
id in (  
Select distinct p1.id   
 from Posts p1, Posts p2, Posttags pt, Tags t   
 where p1.parentid = p2.id   
 and p2.id = pt.postid   
 and pt.tagid = t.id   
 and t.tagname in (Select \* from t10))  
 and owneruserid in   
(  
 Select \* from t1  
  
)  
group by owneruserid, datepart(yy, creationdate)  
  
 ),  
t4 as (Select owneruserid, datepart(yy, creationdate) as date, count(id) as AndroidQuestions  
from Posts p1  
where   
id in (  
 Select Posts.id  
 from Posts, PostTags, Tags   
 where Posts.Id= PostTags.PostID   
 and PostTags.tagID = Tags.ID  
 and Tags.Tagname like 'android%')  
   
and owneruserid in   
(  
 Select \* from t1  
  
)  
group by owneruserid, datepart(yy, creationdate)  
  
 ),  
t5 as (  
Select owneruserid, datepart(yy, creationdate) as date, count (id) as AndroidAnswers  
from Posts   
where   
id in (  
Select distinct p1.id   
 from Posts p1, Posts p2, Posttags pt, Tags t   
 where p1.parentid = p2.id   
 and p2.id = pt.postid   
 and pt.tagid = t.id   
 and t.tagname like 'android%')  
 and owneruserid in   
(  
 Select \* from t1  
  
)  
group by owneruserid, datepart(yy, creationdate)  
  
 )  
SELECT COALESCE(A.ownerUserID,B.ownerUserID,C.ownerUserID,D.ownerUserID) UserID,  
 COALESCE(A.DATE,B.DATE,C.DATE,D.DATE) DATE,  
 ISNULL(A.iosquestions,0) QuestionsOnTopicA,  
 ISNULL(B.iosanswers,0) AnswersOnTopicA,  
 ISNULL(C.androidquestions,0) QuestionsOnTopicB,  
 ISNULL(D.androidanswers,0) AnswersOnTopicB  
FROM t2 A  
FULL JOIN t3 B  
 ON A.ownerUserID = B.ownerUserID  
 AND A.DATE = B.DATE  
FULL JOIN t4 C  
 ON COALESCE(A.ownerUserID,B.ownerUserID) = C.ownerUserID  
 AND COALESCE(A.DATE,B.DATE) = C.DATE  
FULL JOIN t5 D  
 ON COALESCE(A.ownerUserID,B.ownerUserID,C.ownerUserID) = D.ownerUserID  
 AND COALESCE(A.DATE,B.DATE,C.DATE) = D.DATE  
 Order by UserID, date