QGIS Application - Bug report #15599
In spatial views, QGIS shows only 100 rows in attribute-table, when view has more than 100 objects

2016-09-21 02:10 PM - Gerhard Spieles

Status:	Open			
Priority:	Normal			
Assignee:				
Category:	DB Manager			
Affected QGIS version:	3.0.0	**Regression?:**	No	
Operating System:	win	**Easy fix?:**	No	
Pull Request or Patch supplied:		**Resolution:**		
Crashes QGIS or corrupts data:		**Copied to github as #:**	23522	

Description

In spatial views, created with SQL-Statement in dbmanager, attribute-table shows errors and wrong results, when view contains more then 100 objects. Save the view as shape, attribute-table has the correct attributes.
Virtual layer, generated with SQL-Statement shows attribute-table also correct.

QGIS project, spatialite db and shape are attached

Tested itwith 2.14, 2.16 and master

History

#1 - 2017-05-01 01:03 AM - Giovanni Manghi

- Easy fix? set to No

- Regression? set to No

#2 - 2017-10-01 12:40 AM - Gerhard Spieles

- File view_parent_child_all_manualy_write_in_views_geometry_colums.jpg added

- Description updated

- Subject changed from In spatial views, QGIS shows wrong content in attribute-table, when view has more than 100 objects to In spatial views, QGIS shows only 100 rows in attribute-table, when view has more than 100 objects

- File dbmanager_writes_in_metadata_geometriecolums.jpg added

- File spatialite_view_show_right_result_in_attrribute_table_after_filterdelete_.jpg added

- File spatialite_view_show_only_100_features_in_attrribute_table_.jpg added

Behavior is also in master and 2.18.13.

The View "parent_child_object_equal_101", is generated with dbmanager. In DB Manager, section table shows 101 elements. Load the view in QGIS result in Feature count "0", attribute table shows 100 Elements, filtered 100. (s. screenshot).
Go to right click on the loaded view, select filter and click on the "delete filter" button, click "OK" button, actualize the feature count to "101" and the attribute table shows now the correct number of rows (101) (s, screenshot).

Analyzing the problem in the database with spatialite-gui shows, that dbmanager writes the entries for views in the section metadata, geometry_columns in the database.

This seems to corresponded with the issue #15600.
The select feature highlights the wrong objects.

Under metadata, in the database exist a section "views_geometry_columns". I deleted the entry created from db manager in the section "metadata, geometry_columns" for the view "view_parent_child_all" and

write the entry manually in the section "views_geometry_columns" and load this view in qgis.

In this view, the select feature highlights the right objects.

The feature count is correct an shows 267 rows, but in the attribute table a filter is set to the maximum numbers of features in the parents table (153) and it is not possible to delete this filter (s. screenshot).

Save this view as shape brings correct results (267 geometries and 267 attribute table rows with correct content).

#3 - 2017-10-01 12:00 PM - Giovanni Manghi

- Affected QGIS version changed from 2.14.5 to 2.18.13

- Status changed from Open to Feedback

Does it happens only when the query involved has a join in it?

Can you add the exact steps (queries and where you issued them... qgis or spatialite-gui?)? thanks.

#4 - 2017-10-05 01:19 AM - Gerhard Spieles

- File Spatialite views in QGIS 218.13.pdf added

- File view_spatialite.zip added

summary (pdf) and testproject with spatialite db are attached

#5 - 2018-01-18 11:03 PM - Gerhard Spieles

- Status changed from Feedback to Open

#6 - 2018-02-26 09:53 PM - Gerhard Spieles

Issue is still present in 3.1.0-3 (see Mail Paolo Cavallini, QGIS tickets)

#7 - 2018-03-01 11:13 AM - Giovanni Manghi

- Affected QGIS version changed from 2.18.13 to 3.0.0

Files

test.zip	464 KB	2016-09-21	Gerhard Spieles
spatialite_view_show_only_100_features_in_attrribute_table_.jpg	200 KB	2017-09-30	Gerhard Spieles
spatialite_view_show_right_result_in_attrribute_table_after_filterdelete_.jpg	201 KB	2017-09-30	Gerhard Spieles
dbmanager_writes_in_metadata_geometriecolums.jpg	205 KB	2017-09-30	Gerhard Spieles
view_parent_child_all_manualy_write_in_views_geometry_colums.jpg	221 KB	2017-09-30	Gerhard Spieles
Spatialite views in QGIS 218.13.pdf	468 KB	2017-10-04	Gerhard Spieles
view_spatialite.zip	431 KB	2017-10-04	Gerhard Spieles