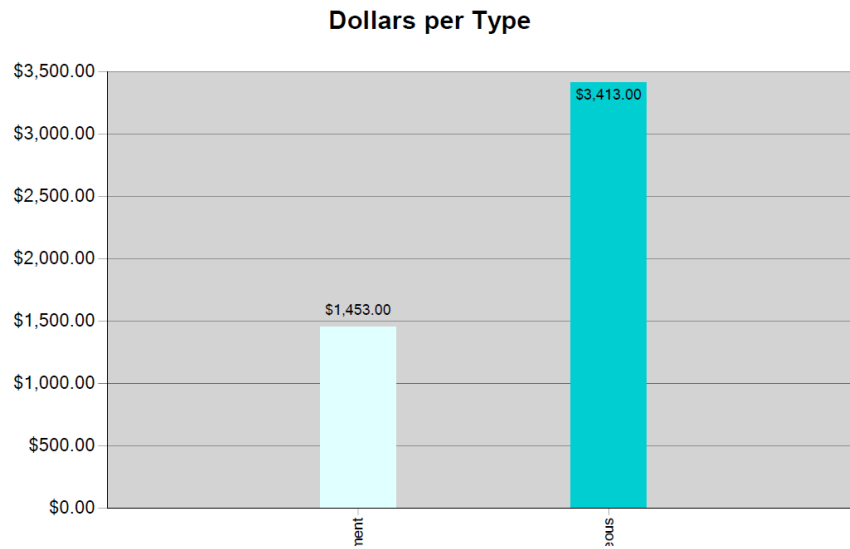
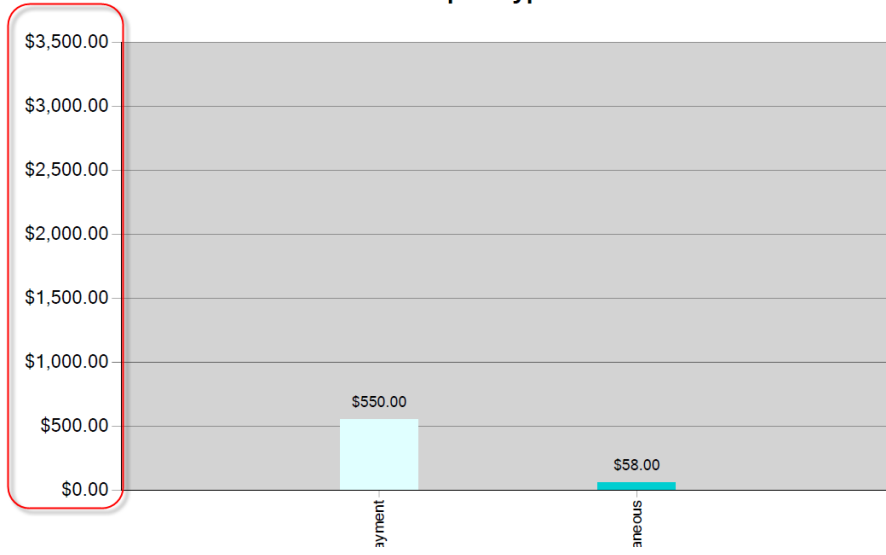


First run: Data parameters date range = 8/31/2020 – 2/3/2021. 90 records processed. Notice the Y-axis values follow the dataset:



Second run: Changed the date range to 1/1/2021 – 2/4/2021 so there were only 19 records processed. Why didn't the Y-axis labels change to reflect the data? I would have thought it would have reset them:

Dollars per Type



If I totally restart my program and run an initial report for the date range of 1/1/2021 – 2/4/2021, the graph looks right:

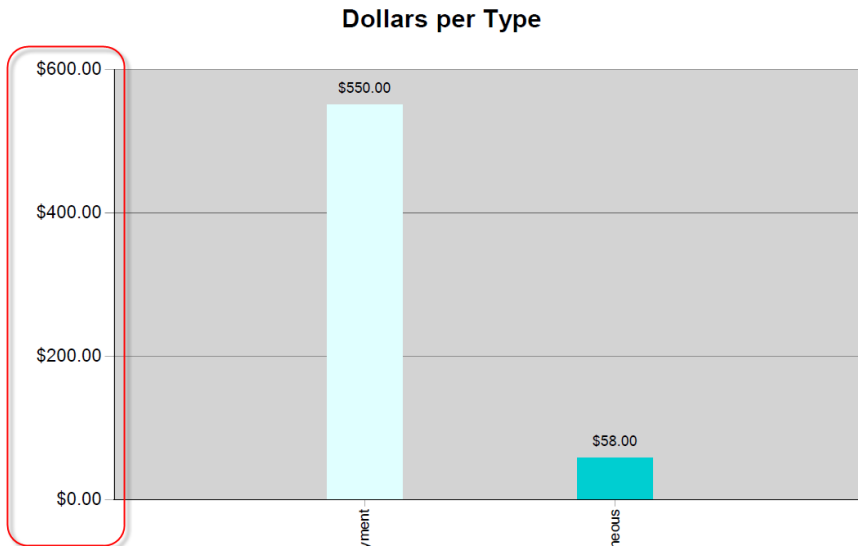


Chart setup:

```
Private Sub PopulateChart1( strTable As String, strStartDate As String, strEndDate As string )
    If strTable = "Current" Then strTable = "Transact" Else strTable = "Archived_TRANS"

    Dim strWhere As String = String.Format ( " where Type <> 'T' and Transact_DATE BETWEEN '{0} 00:00:00' and '{1} 23:59:59' ",
strStartDate, strEndDate )

    Dim strQuery As String = "select CASE Type WHEN 'D' THEN 'Dues Payment' " & _
        "                               WHEN 'M' then 'Miscellaneous' " & _
        "                               END as Type, " & _
        "                               SUM(Amount) as numCount " & _
        " from " & strTable & " " & strWhere & " group by Type"

    Dim oChart As ChartsGraphs.ChartsGraphs = New ChartsGraphs.ChartsGraphs()

    With oChart
        .oSetup = New ChartsGraphs.ChartsGraphs.chartsetup()
        .oSetup.chartName = Chart1
        .oSetup.chartTitle = "Dollars per Type"
        .oSetup.xLabelAngle = -90
        .oSetup.yAxisFormat = "C2"
        .oSetup.strChartType = cmbGraphType.SelectedItem.ToString()
        .oSetup.strConnection = strConnection
        .oSetup strSQL = strQuery

        .ChartSeriesList.Clear ()
        .ChartSeriesList.Add ( New ChartsGraphs.ChartsGraphs.ChartSeries() With { .oSeries = New
System.Windows.Forms.DataVisualization.Charting.Series(),
        .strSeriesName = "TransTypes",
        .strChartType =
        .colorSeries = Color.LightBlue,
        .xAxisName = "Type",
        .yAxisName = "numCount",
        .yLabel = "#VALY{C2}",
        .yAxisDataType = "CURRENCY",
        .yAxisFormat = "C2" } )

    End With

    Dim strChartSetup As String = oChart.PopulateChart()
End Sub
```

Here's the actual code for my DLL:

```
Imports System.Data.SqlClient
Imports System.IO
Imports System
Imports System.Collections
Imports System.Collections.Generic
Imports System.Data
Imports System.Text
Imports System.Configuration
Imports System.Drawing
Imports System.Drawing.Printing
Imports System.Windows.Forms
Imports System.Windows.Forms.DataVisualization.Charting

Public Class ChartsGraphs
    Public class ChartSeries
        Public oSeries As Series
        Public strSeriesName As String
        Public strChartType As string
        Public colorSeries As Color

        Public xAxisName As String
        Public xlabel As String
        Public xAxisDataType As String
        Public xAxisFormat As string

        Public yAxisName As String
        Public ylabel As String
        Public yAxisDataType As String
        Public yAxisFormat As string
    End Class

    Public Class ChartSetup
        Public strChartType As string
        public chartName As Chart
        Public chartTitle As String
        'Public seriesName As string
        Public xlabelAngle As Integer
        'Public xAxisName As String
        'Public yAxisName As String
        Public yAxisFormat As string
        'Public arrPalette As String()
        Public strConnection As String
        Public strSQL As String
    End Class

    Public ChartSeriesList As New List ( Of ChartSeries )
    Public oSetup As ChartSetup

    Private colorPalette As Color() = New Color() { Color.LightCyan,
```

```
Color.DarkTurquoise,  
Color.CadetBlue,  
Color.PowderBlue,  
Color.DeepSkyBlue,  
Color.SkyBlue,  
Color.DodgerBlue,  
Color.CadetBlue,  
Color.LightCyan,  
Color.DarkTurquoise,  
Color.CadetBlue,  
Color.PowderBlue,  
Color.DeepSkyBlue,  
Color.SkyBlue,  
Color.DodgerBlue,  
Color.CadetBlue,  
Color.LightCyan,  
Color.DarkTurquoise,  
Color.CadetBlue,  
Color.PowderBlue,  
Color.DeepSkyBlue,  
Color.SkyBlue,  
Color.DodgerBlue,  
Color.CadetBlue }
```

```
Public Sub New ()
```

```
End Sub
```

```
Public Function PopulateChart() As String
```

```
Dim strRetMessage As String = ""
```

```
Try
```

```
Dim memberConn As New SqlConnection(oSetup.strConnection)
```

```
Dim memberCmd As New SqlCommand ()
```

```
Dim adapter As SqlDataAdapter
```

```
Dim locDataSet As DataSet = New DataSet
```

```
memberConn.Open ()
```

```
memberCmd.Connection = memberConn
```

```
memberCmd.CommandText = oSetup.strSQL
```

```
adapter = New SqlDataAdapter ( oSetup.strSQL, oSetup.strConnection )
```

```
adapter.Fill ( locDataSet, "ChartData" )
```

```
Dim cSeries As Series = New Series()
```

```
With oSetup.ChartName
```

```
.Titles.Clear ()
```

```
.Series.Clear ()
```

```

dim chrtTitle As Title = new Title()
chrtTitle.Font = new System.Drawing.Font ( "Arial", 14, FontStyle.Bold )
chrtTitle.Text = oSetup.chartTitle
.Titles.Add ( chrtTitle )

Dim numSeries As Integer = ChartSeriesList.Count
Dim x          As Integer
for x = 0 to numSeries-1
    With ChartSeriesList(x).oSeries ' cSeries
        .ChartArea = "ChartArea1"

        If ChartSeriesList(x).strChartType = "Bar" then .ChartType = SeriesChartType.Column else .ChartType =
SeriesChartType.Pie

        .Color = ChartSeriesList(x).colorSeries ' Color.LightBlue
        .CustomProperties = "PointWidth = 0.3"
        If ChartSeriesList(x).yAxisFormat <> "" Then .label = "#VALY{" & ChartSeriesList(x).yAxisFormat & "}" Else .label = ""

        .Name = ChartSeriesList(x).strSeriesName ' "MemClasses"
        .XValueMember = ChartSeriesList(x).xAxisName ' "Class"
        .YValueMembers = ChartSeriesList(x).yAxisName ' "numCount"
    End With

    .Series.Add( ChartSeriesList(x).oSeries )
Next

.DataSource = locDataSet
.DataBind()

Dim y          As Integer
'Dim DR        as DataRow = locDataSet.Tables(0).rows(0)
For Each row As DataRow In locDataSet.Tables(0).Rows
    Dim strACCNT_NO As string = row(0).ToString()

    y = 0
    For each oS In ChartSeriesList
        Dim strValue As string = ""

        Dim strXValue As string = ""
        Dim dblXValue As string = ""
        Dim intXValue As string = ""

        Dim strYValue As string = ""
        Dim dblYValue As string = ""
        Dim intYValue As string = ""

        Select Case oS.xAxisDataType
            Case "STRING"
                strXValue = row( oS.xAxisName ).ToString()

```

```

        Case "CURRENCY"
            dblXValue = cDbl ( row( oS.xAxisName ).ToString() )

        Case "INTEGER"
            intXValue = cInt ( row( oS.xAxisName ).ToString() )

    End Select

    strXValue =          row( oS.xAxisName ).ToString()

    Select Case oS.yAxisDataType
        Case "STRING"
            strYValue =          row( oS.yAxisName ).ToString()

        Case "CURRENCY"
            dblYValue = cDbl ( row( oS.yAxisName ).ToString() )

        Case "INTEGER"
            intYValue = cInt ( row( oS.yAxisName ).ToString() )

    End Select

    strYValue =          row( oS.yAxisName ).ToString()

    .Series ( oS.strSeriesName ).Points.AddXY ( strXValue, strYValue )

    If oSetup.strChartType = "Bar" then
        .Series( oS.strSeriesName ).IsValueShownAsLabel = True
    Else
        .Series( oS.strSeriesName ).IsValueShownAsLabel = False
    End If

    '.Series ( "Trans. Count" ).Points.AddXY ( strFULL_NAME, numCOUNT )
    '.Series ( "Trans. Amount" ).Points.AddXY ( strFULL_NAME, dblAMOUNT )
Next
next

Dim z As integer
For z = 0 To .Series.Count - 1
    For y = 0 To .Series(z).Points.Count-1
        .Series(z).Points(y).Color = colorPalette(y)
    Next
Next

.ChartAreas(0).BackColor = Color.LightGray

If oSetup.yAxisFormat <> "" Then .ChartAreas(0).AxisY.LabelStyle.Format = oSetup.yAxisFormat Else
.ChartAreas(0).AxisY.LabelStyle.Format = ""

.ChartAreas(0).AxisX.LabelStyle.Angle = oSetup.xLabelAngle ' -90
.ChartAreas(0).AxisX.IsLabelAutoFit = false

```



```

.ChartAreas(0).AxisX.Interval          = 1
.ChartAreas(0).AxisX.IntervalOffset  = 1

Dim yAxisInterval      As Integer = .ChartAreas(0).AxisY.Interval
Dim yAxisIntervalType As String   = .ChartAreas(0).AxisY.IntervalType

If oSetup.strChartType = "Bar" then
    '
    ' Bar graph settings
    '
    .ChartAreas(0).AxisX.MajorGrid.Enabled = False

    .Legends(0).Enabled          = False
    '.Series(0).IsValueShownAsLabel = True
    .ChartAreas(0).Area3DStyle.Enable3D = False
else
    '
    ' Pie chart settings
    '
    .Legends(0).Enabled          = True
    .Legends(0).Docking         = Docking.Top

    '.Series(0).IsValueShownAsLabel = False

    '.Series(0)("PieLabelStyle") = "Disabled"

    If oSetup.yAxisFormat <> "" Then .Series(0).label = "#VALY{" & oSetup.yAxisFormat & "}" Else .Series(0).label = "#VAL"

    '.Series(0).Label           = "#VAL"
    .Series(0).LegendText      = "#VALX"

    .ChartAreas(0).Area3DStyle.Enable3D = True
End if
End With

locDataSet.Dispose()
adapter.Dispose    ()

Catch ex As Exception
    strRetMessage = ex.Message
End Try

Return strRetMessage
End Function

End Class

```