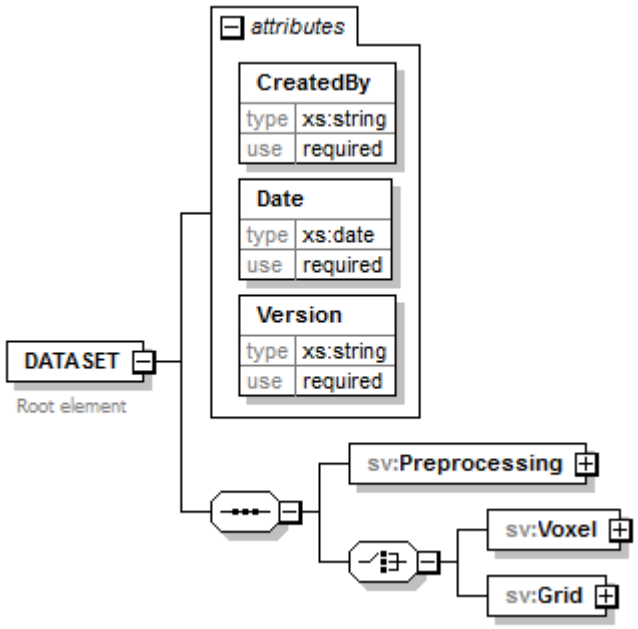
Elements
DATASET

element **DATASET**

diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv
properties	content complex
children	**sv:Preprocessing sv:Voxel sv:Grid**

attributes

Name	Type	Use	Default	Fixed	Annotation
CreatedBy	**xs:string**	required			
Date	**xs:date**	required			
Version	**xs:string**	required			

annotation: documentation
Root element

source

```
<xs:element name="DATASET">
 <xs:annotation>
  <xs:documentation>Root element</xs:documentation>
 </xs:annotation>
 <xs:complexType>
  <xs:sequence>
   <xs:element name="Preprocessing">
    <xs:complexType>
     <xs:sequence>
      <xs:element name="SetRefernce" type="xs:double" minOccurs="0"/>
      <xs:element name="Apodization" minOccurs="0">
       <xs:complexType>
        <xs:choice>
         <xs:element name="Lorentzian">
          <xs:complexType>
           <xs:sequence>
```

```
                <xs:element name="Hz" type="xs:integer"/>
              </xs:sequence>
            </xs:complexType>
          </xs:element>
          <xs:element name="Gaussian">
            <xs:complexType>
              <xs:sequence>
                <xs:element name="Hz" type="xs:integer"/>
              </xs:sequence>
            </xs:complexType>
          </xs:element>
        </xs:choice>
      </xs:complexType>
    </xs:element>
    <xs:element name="WaterFiltering" minOccurs="0">
      <xs:complexType>
        <xs:sequence>
          <xs:element name="NumberOfLorentzians" type="xs:integer"/>
          <xs:sequence maxOccurs="3">
            <xs:element name="MinPPM" type="xs:double"/>
            <xs:element name="MaxPPM" type="xs:double"/>
          </xs:sequence>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="BaselineCorrection" minOccurs="0">
      <xs:complexType>
        <xs:sequence maxOccurs="3">
          <xs:element name="MinPPM" type="xs:double"/>
          <xs:element name="MaxPPM" type="xs:double"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="NumberOfPoints" minOccurs="0">
      <xs:complexType>
        <xs:sequence>
          <xs:element name="NrPoints" type="xs:integer"/>
          <xs:element name="MinPPM" type="xs:double"/>
          <xs:element name="MaxPPM" type="xs:double"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="SetToUnitLength" type="xs:boolean" minOccurs="0"/>
    <xs:element name="AlignmentCorrection" minOccurs="0">
      <xs:complexType>
        <xs:sequence>
          <xs:element name="isBrainH" type="xs:boolean"/>
          <xs:element name="minSNR" type="xs:double"/>
          <xs:element name="minSTD" type="xs:double"/>
          <xs:element name="maxSTD" type="xs:double"/>
          <xs:element name="firstPeak" type="xs:double"/>
          <xs:element name="secondPeak" type="xs:double" minOccurs="0"/>
          <xs:element name="thirdPeak" type="xs:double" minOccurs="0"/>
        </xs:sequence>
```

```
            </xs:complexType>
          </xs:element>
          <xs:element name="AdditionalInformation">
            <xs:complexType>
              <xs:sequence>
                <xs:element name="Name" type="xs:string"/>
                <xs:element name="Place" type="xs:string"/>
                <xs:element name="Keywords" type="xs:string" minOccurs="0"/>
                <xs:element name="Observations" type="xs:string" minOccurs="0"/>
              </xs:sequence>
            </xs:complexType>
          </xs:element>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:choice>
      <xs:element name="Voxel">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="Tissue">
              <xs:complexType>
                <xs:attribute name="Type" type="xs:string"/>
              </xs:complexType>
            </xs:element>
            <xs:element name="Spectrum"/>
          </xs:sequence>
          <xs:attribute name="FirstPPM" type="xs:double" use="required"/>
          <xs:attribute name="LastPPM" type="xs:double" use="required"/>
          <xs:attribute name="NumberOfPoints" type="xs:integer" use="required"/>
          <xs:attribute name="SNR" type="xs:double"/>
        </xs:complexType>
      </xs:element>
      <xs:element name="Grid">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="Voxel" maxOccurs="unbounded">
              <xs:complexType>
                <xs:sequence>
                  <xs:element name="Tissue">
                    <xs:complexType>
                      <xs:attribute name="Type" type="xs:string"/>
                    </xs:complexType>
                  </xs:element>
                  <xs:element name="Spectrum"/>
                </xs:sequence>
                <xs:attribute name="FirstPPM" type="xs:double" use="required"/>
                <xs:attribute name="LastPPM" type="xs:double" use="required"/>
                <xs:attribute name="NumberOfPoints" type="xs:integer" use="required"/>
                <xs:attribute name="Xaxis" type="xs:integer" use="required"/>
                <xs:attribute name="Yaxis" type="xs:integer" use="required"/>
                <xs:attribute name="Zaxis" type="xs:integer" use="required"/>
                <xs:attribute name="SNR" type="xs:double"/>
              </xs:complexType>
            </xs:element>
```

```
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:choice>
  </xs:sequence>
  <xs:attribute name="CreatedBy" type="xs:string" use="required"/>
  <xs:attribute name="Date" type="xs:date" use="required"/>
  <xs:attribute name="Version" type="xs:string" use="required"/>
 </xs:complexType>
</xs:element>
```

attribute **DATASET/@CreatedBy**

type	**xs:string**
properties	use required
source	<xs:attribute name="CreatedBy" type="xs:string" use="required"/>

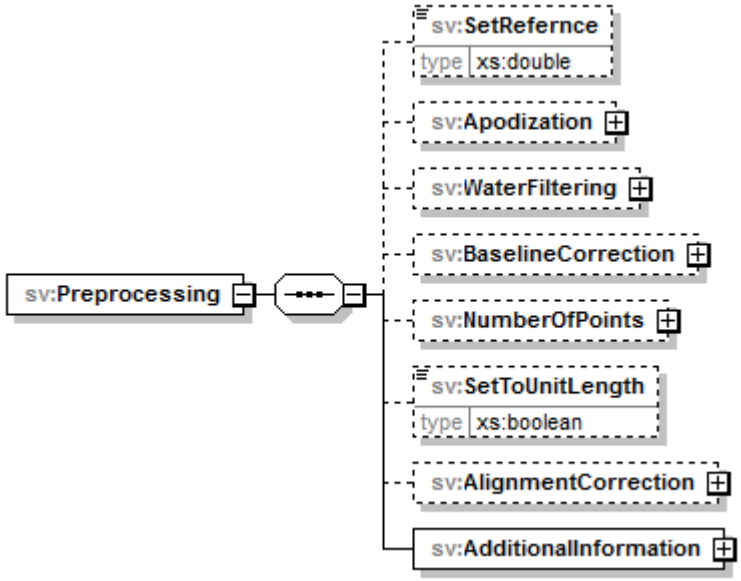
attribute **DATASET/@Date**

type	**xs:date**
properties	use required
source	<xs:attribute name="Date" type="xs:date" use="required"/>

attribute **DATASET/@Version**

type	**xs:string**
properties	use required
source	<xs:attribute name="Version" type="xs:string" use="required"/>

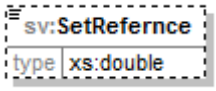
element **DATASET/Preprocessing**

diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv
properties	content complex
children	sv:SetRefernce sv:Apodization sv:WaterFiltering sv:BaselineCorrection sv:NumberOfPoints sv:SetToUnitLength sv:AlignmentCorrection sv:AdditionalInformation
source	

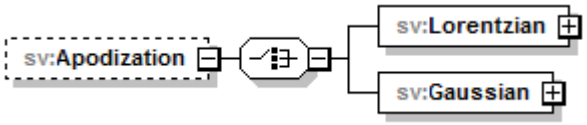
```
<xs:element name="Preprocessing">
 <xs:complexType>
  <xs:sequence>
   <xs:element name="SetRefernce" type="xs:double" minOccurs="0"/>
   <xs:element name="Apodization" minOccurs="0">
    <xs:complexType>
     <xs:choice>
      <xs:element name="Lorentzian">
       <xs:complexType>
        <xs:sequence>
         <xs:element name="Hz" type="xs:integer"/>
        </xs:sequence>
       </xs:complexType>
      </xs:element>
      <xs:element name="Gaussian">
       <xs:complexType>
        <xs:sequence>
         <xs:element name="Hz" type="xs:integer"/>
        </xs:sequence>
       </xs:complexType>
      </xs:element>
     </xs:choice>
    </xs:complexType>
   </xs:element>
   <xs:element name="WaterFiltering" minOccurs="0">
    <xs:complexType>
     <xs:sequence>
      <xs:element name="NumberOfLorentzians" type="xs:integer"/>
```

```
            <xs:sequence maxOccurs="3">
              <xs:element name="MinPPM" type="xs:double"/>
              <xs:element name="MaxPPM" type="xs:double"/>
            </xs:sequence>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="BaselineCorrection" minOccurs="0">
        <xs:complexType>
          <xs:sequence maxOccurs="3">
            <xs:element name="MinPPM" type="xs:double"/>
            <xs:element name="MaxPPM" type="xs:double"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="NumberOfPoints" minOccurs="0">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="NrPoints" type="xs:integer"/>
            <xs:element name="MinPPM" type="xs:double"/>
            <xs:element name="MaxPPM" type="xs:double"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="SetToUnitLength" type="xs:boolean" minOccurs="0"/>
      <xs:element name="AlignmentCorrection" minOccurs="0">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="isBrainH" type="xs:boolean"/>
            <xs:element name="minSNR" type="xs:double"/>
            <xs:element name="minSTD" type="xs:double"/>
            <xs:element name="maxSTD" type="xs:double"/>
            <xs:element name="firstPeak" type="xs:double"/>
            <xs:element name="secondPeak" type="xs:double" minOccurs="0"/>
            <xs:element name="thirdPeak" type="xs:double" minOccurs="0"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="AdditionalInformation">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="Name" type="xs:string"/>
            <xs:element name="Place" type="xs:string"/>
            <xs:element name="Keywords" type="xs:string" minOccurs="0"/>
            <xs:element name="Observations" type="xs:string" minOccurs="0"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

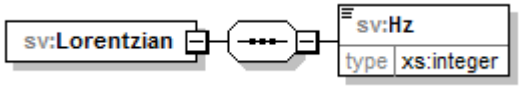
element **DATASET/Preprocessing/SetRefernce**

diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv
type	**xs:double**
properties	minOcc 0 maxOcc 1 content simple
source	<xs:element name="SetRefernce" type="xs:double" minOccurs="0"/>

element **DATASET/Preprocessing/Apodization**

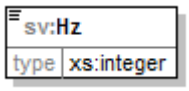
diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv
properties	minOcc 0 maxOcc 1 content complex
children	**sv:Lorentzian sv:Gaussian**
source	<xs:element name="Apodization" minOccurs="0"> <xs:complexType> <xs:choice> <xs:element name="Lorentzian"> <xs:complexType> <xs:sequence> <xs:element name="Hz" type="xs:integer"/> </xs:sequence> </xs:complexType> </xs:element> <xs:element name="Gaussian"> <xs:complexType> <xs:sequence> <xs:element name="Hz" type="xs:integer"/> </xs:sequence> </xs:complexType> </xs:element> </xs:choice> </xs:complexType> </xs:element>

element **DATASET/Preprocessing/Apodization/Lorentzian**

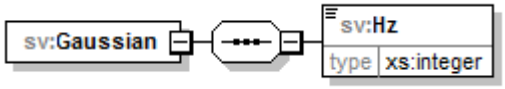
diagram	

namespace	http://gabrmn.uab.es/jmrui2xml_sv
properties	content complex
children	**sv:Hz**
source	<xs:element name="Lorentzian"> <xs:complexType> <xs:sequence> <xs:element name="Hz" type="xs:integer"/> </xs:sequence> </xs:complexType> </xs:element>

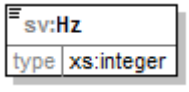
element **DATASET/Preprocessing/Apodization/Lorentzian/Hz**

diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv
type	**xs:integer**
properties	content simple
source	<xs:element name="Hz" type="xs:integer"/>

element **DATASET/Preprocessing/Apodization/Gaussian**

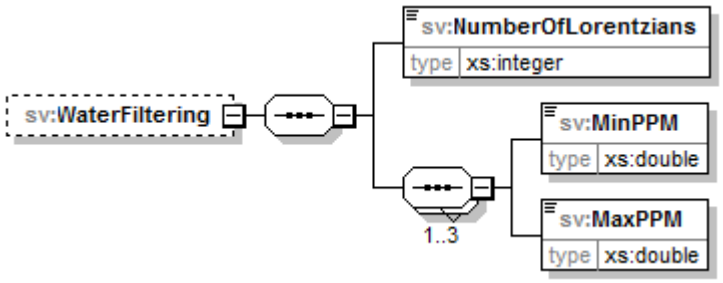
diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv
properties	content complex
children	**sv:Hz**
source	<xs:element name="Gaussian"> <xs:complexType> <xs:sequence> <xs:element name="Hz" type="xs:integer"/> </xs:sequence> </xs:complexType> </xs:element>

element **DATASET/Preprocessing/Apodization/Gaussian/Hz**

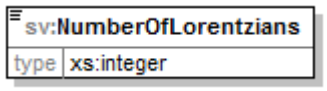
diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv

type	**xs:integer**
properties	content simple
source	<xs:element name="Hz" type="xs:integer"/>

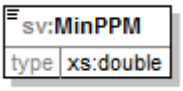
element **DATASET/Preprocessing/WaterFiltering**

diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv
properties	minOcc 0 maxOcc 1 content complex
children	**sv:NumberOfLorentzians sv:MinPPM sv:MaxPPM**
source	<xs:element name="WaterFiltering" minOccurs="0"> <xs:complexType> <xs:sequence> <xs:element name="NumberOfLorentzians" type="xs:integer"/> <xs:sequence maxOccurs="3"> <xs:element name="MinPPM" type="xs:double"/> <xs:element name="MaxPPM" type="xs:double"/> </xs:sequence> </xs:sequence> </xs:complexType> </xs:element>

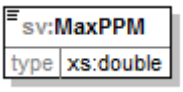
element **DATASET/Preprocessing/WaterFiltering/NumberOfLorentzians**

diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv
type	**xs:integer**
properties	content simple
source	<xs:element name="NumberOfLorentzians" type="xs:integer"/>

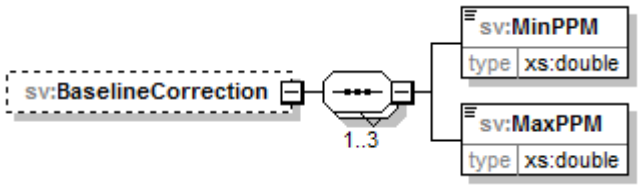
element **DATASET/Preprocessing/WaterFiltering/MinPPM**

diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv
type	**xs:double**
properties	content simple
source	<xs:element name="MinPPM" type="xs:double"/>

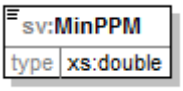
element **DATASET/Preprocessing/WaterFiltering/MaxPPM**

diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv
type	**xs:double**
properties	content simple
source	<xs:element name="MaxPPM" type="xs:double"/>

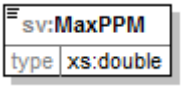
element **DATASET/Preprocessing/BaselineCorrection**

diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv
properties	minOcc 0 maxOcc 1 content complex
children	**sv:MinPPM** **sv:MaxPPM**
source	<xs:element name="BaselineCorrection" minOccurs="0"> <xs:complexType> <xs:sequence maxOccurs="3"> <xs:element name="MinPPM" type="xs:double"/> <xs:element name="MaxPPM" type="xs:double"/> </xs:sequence> </xs:complexType> </xs:element>

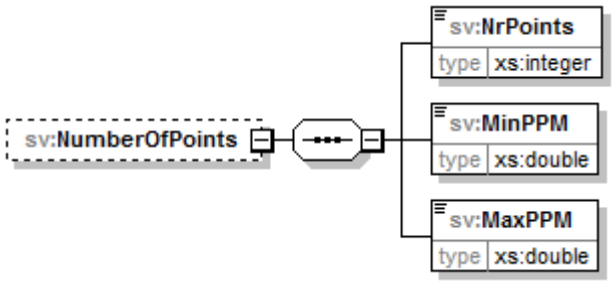
element **DATASET/Preprocessing/BaselineCorrection/MinPPM**

diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv
type	**xs:double**
properties	content simple
source	<xs:element name="MinPPM" type="xs:double"/>

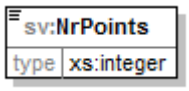
element **DATASET/Preprocessing/BaselineCorrection/MaxPPM**

diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv
type	**xs:double**
properties	content simple
source	<xs:element name="MaxPPM" type="xs:double"/>

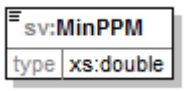
element **DATASET/Preprocessing/NumberOfPoints**

diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv
properties	minOcc 0 maxOcc 1 content complex
children	**sv:NrPoints sv:MinPPM sv:MaxPPM**
source	<xs:element name="NumberOfPoints" minOccurs="0"> <xs:complexType> <xs:sequence> <xs:element name="NrPoints" type="xs:integer"/> <xs:element name="MinPPM" type="xs:double"/> <xs:element name="MaxPPM" type="xs:double"/> </xs:sequence> </xs:complexType> </xs:element>

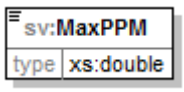
element **DATASET/Preprocessing/NumberOfPoints/NrPoints**

diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv
type	**xs:integer**
properties	content simple
source	<xs:element name="NrPoints" type="xs:integer"/>

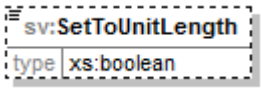
element **DATASET/Preprocessing/NumberOfPoints/MinPPM**

diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv
type	**xs:double**
properties	content simple
source	<xs:element name="MinPPM" type="xs:double"/>

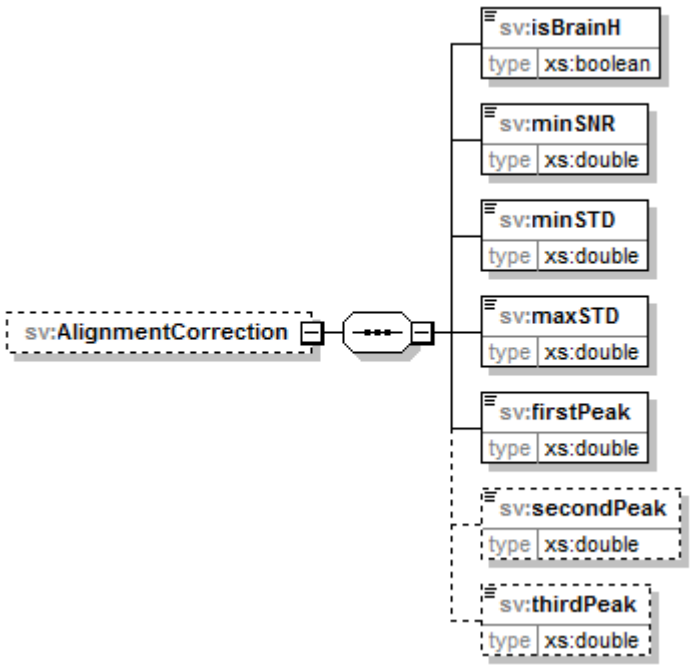
element **DATASET/Preprocessing/NumberOfPoints/MaxPPM**

diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv
type	**xs:double**
properties	content simple
source	<xs:element name="MaxPPM" type="xs:double"/>

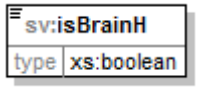
element **DATASET/Preprocessing/SetToUnitLength**

diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv
type	**xs:boolean**
properties	minOcc 0 maxOcc 1 content simple
source	<xs:element name="SetToUnitLength" type="xs:boolean" minOccurs="0"/>

element **DATASET/Preprocessing/AlignmentCorrection**

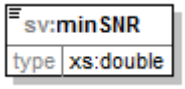
diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv
properties	minOcc 0 maxOcc 1 content complex
children	**sv:isBrainH** **sv:minSNR** **sv:minSTD** **sv:maxSTD** **sv:firstPeak** **sv:secondPeak** **sv:thirdPeak**
source	<xs:element name="AlignmentCorrection" minOccurs="0"> <xs:complexType> <xs:sequence> <xs:element name="isBrainH" type="xs:boolean"/> <xs:element name="minSNR" type="xs:double"/> <xs:element name="minSTD" type="xs:double"/> <xs:element name="maxSTD" type="xs:double"/> <xs:element name="firstPeak" type="xs:double"/> <xs:element name="secondPeak" type="xs:double" minOccurs="0"/> <xs:element name="thirdPeak" type="xs:double" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element>

element **DATASET/Preprocessing/AlignmentCorrection/isBrainH**

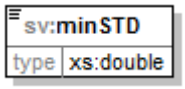
diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv

type	**xs:boolean**
properties	content simple
source	<xs:element name="isBrainH" type="xs:boolean"/>

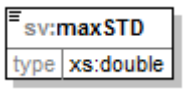
element **DATASET/Preprocessing/AlignmentCorrection/minSNR**

diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv
type	**xs:double**
properties	content simple
source	<xs:element name="minSNR" type="xs:double"/>

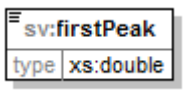
element **DATASET/Preprocessing/AlignmentCorrection/minSTD**

diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv
type	**xs:double**
properties	content simple
source	<xs:element name="minSTD" type="xs:double"/>

element **DATASET/Preprocessing/AlignmentCorrection/maxSTD**

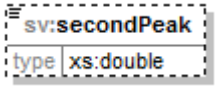
diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv
type	**xs:double**
properties	content simple
source	<xs:element name="maxSTD" type="xs:double"/>

element **DATASET/Preprocessing/AlignmentCorrection/firstPeak**

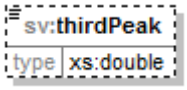
diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv

type	**xs:double**
properties	content simple
source	<xs:element name="firstPeak" type="xs:double"/>

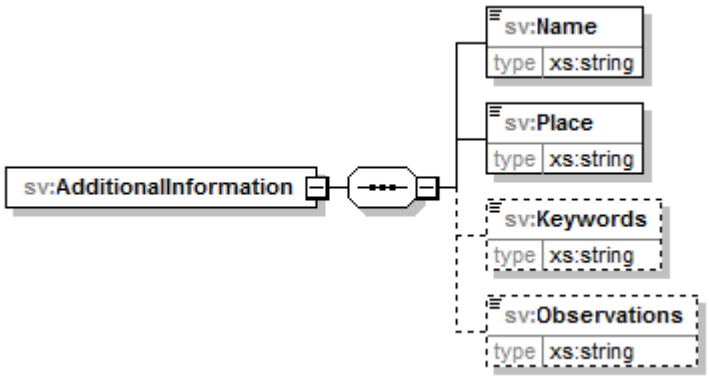
element **DATASET/Preprocessing/AlignmentCorrection/secondPeak**

diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv
type	**xs:double**
properties	minOcc 0 maxOcc 1 content simple
source	<xs:element name="secondPeak" type="xs:double" minOccurs="0"/>

element **DATASET/Preprocessing/AlignmentCorrection/thirdPeak**

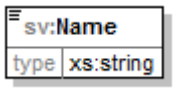
diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv
type	**xs:double**
properties	minOcc 0 maxOcc 1 content simple
source	<xs:element name="thirdPeak" type="xs:double" minOccurs="0"/>

element **DATASET/Preprocessing/AdditionalInformation**

diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv
properties	content complex

children	sv:Name sv:Place sv:Keywords sv:Observations
source	<xs:element name="AdditionalInformation"> <xs:complexType> <xs:sequence> <xs:element name="Name" type="xs:string"/> <xs:element name="Place" type="xs:string"/> <xs:element name="Keywords" type="xs:string" minOccurs="0"/> <xs:element name="Observations" type="xs:string" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element>

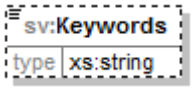
element **DATASET/Preprocessing/AdditionalInformation/Name**

diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv
type	**xs:string**
properties	content simple
source	<xs:element name="Name" type="xs:string"/>

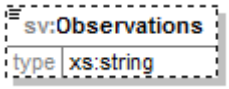
element **DATASET/Preprocessing/AdditionalInformation/Place**

diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv
type	**xs:string**
properties	content simple
source	<xs:element name="Place" type="xs:string"/>

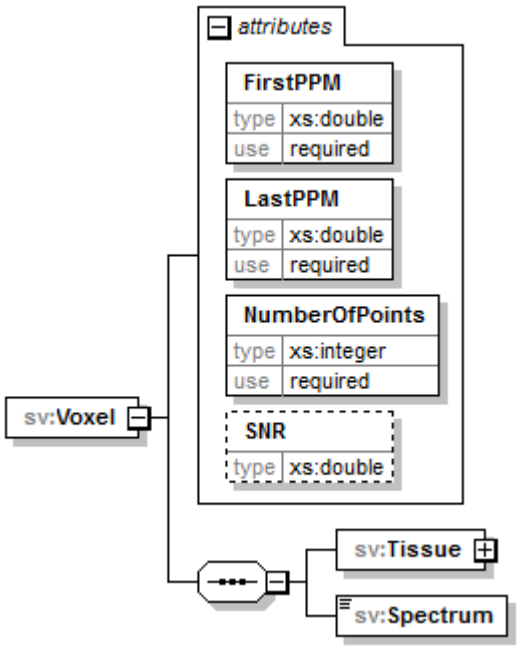
element **DATASET/Preprocessing/AdditionalInformation/Keywords**

diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv
type	**xs:string**
properties	minOcc 0 maxOcc 1 content simple
source	<xs:element name="Keywords" type="xs:string" minOccurs="0"/>

element **DATASET/Preprocessing/AdditionalInformation/Observations**

diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv
type	**xs:string**
properties	minOcc 0 maxOcc 1 content simple
source	<xs:element name="Observations" type="xs:string" minOccurs="0"/>

element **DATASET/Voxel**

diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv
properties	content complex
children	**sv:Tissue sv:Spectrum**

attributes

Name	Type	Use	Default	Fixed	Annotation
FirstPPM	**xs:double**	required			
LastPPM	**xs:double**	required			
NumberOfPoints	**xs:integer**	required			
SNR	**xs:double**				

source

```
<xs:element name="Voxel">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="Tissue">
```

```
      <xs:complexType>
        <xs:attribute name="Type" type="xs:string"/>
      </xs:complexType>
    </xs:element>
    <xs:element name="Spectrum"/>
  </xs:sequence>
  <xs:attribute name="FirstPPM" type="xs:double" use="required"/>
  <xs:attribute name="LastPPM" type="xs:double" use="required"/>
  <xs:attribute name="NumberOfPoints" type="xs:integer" use="required"/>
  <xs:attribute name="SNR" type="xs:double"/>
 </xs:complexType>
</xs:element>
```

attribute **DATASET/Voxel/@FirstPPM**

type	**xs:double**
properties	use required
source	<xs:attribute name="FirstPPM" type="xs:double" use="required"/>

attribute **DATASET/Voxel/@LastPPM**

type	**xs:double**
properties	use required
source	<xs:attribute name="LastPPM" type="xs:double" use="required"/>

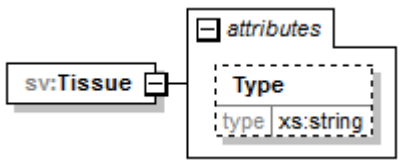
attribute **DATASET/Voxel/@NumberOfPoints**

type	**xs:integer**
properties	use required
source	<xs:attribute name="NumberOfPoints" type="xs:integer" use="required"/>

attribute **DATASET/Voxel/@SNR**

type	**xs:double**
source	<xs:attribute name="SNR" type="xs:double"/>

element **DATASET/Voxel/Tissue**

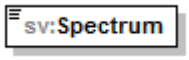
diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv

properties	content complex
attributes	Name Type Use Default Fixed Annotation Type **xs:string**
source	<xs:element name="Tissue"> <xs:complexType> <xs:attribute name="Type" type="xs:string"/> </xs:complexType> </xs:element>

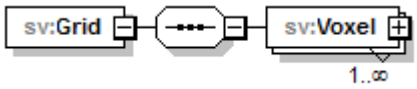
attribute **DATASET/Voxel/Tissue/@Type**

type	**xs:string**
source	<xs:attribute name="Type" type="xs:string"/>

element **DATASET/Voxel/Spectrum**

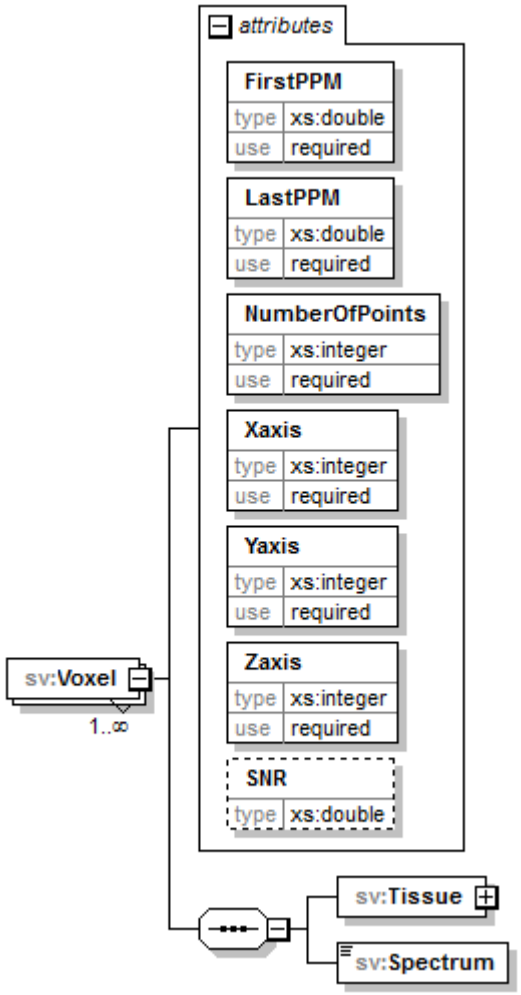
diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv
source	<xs:element name="Spectrum"/>

element **DATASET/Grid**

diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv
properties	content complex
children	**sv:Voxel**
source	<xs:element name="Grid"> <xs:complexType> <xs:sequence> <xs:element name="Voxel" maxOccurs="unbounded"> <xs:complexType> <xs:sequence> <xs:element name="Tissue"> <xs:complexType> <xs:attribute name="Type" type="xs:string"/> </xs:complexType> </xs:element> <xs:element name="Spectrum"/> </xs:sequence> <xs:attribute name="FirstPPM" type="xs:double" use="required"/> <xs:attribute name="LastPPM" type="xs:double" use="required"/> <xs:attribute name="NumberOfPoints" type="xs:integer" use="required"/> <xs:attribute name="Xaxis" type="xs:integer" use="required"/>

```
        <xs:attribute name="Yaxis" type="xs:integer" use="required"/>
        <xs:attribute name="Zaxis" type="xs:integer" use="required"/>
        <xs:attribute name="SNR" type="xs:double"/>
      </xs:complexType>
    </xs:element>
  </xs:sequence>
 </xs:complexType>
</xs:element>
```

element **DATASET/Grid/Voxel**

diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv
properties	minOcc 1 maxOcc unbounded content complex
children	**sv:Tissue sv:Spectrum**

attributes	Name	Type	Use	Default	Fixed	Annotation
	FirstPPM	**xs:double**	required			
	LastPPM	**xs:double**	required			

	NumberOfPoints **xs:integer** required Xaxis **xs:integer** required Yaxis **xs:integer** required Zaxis **xs:integer** required SNR **xs:double**
source	<xs:element name="Voxel" maxOccurs="unbounded"> <xs:complexType> <xs:sequence> <xs:element name="Tissue"> <xs:complexType> <xs:attribute name="Type" type="xs:string"/> </xs:complexType> </xs:element> <xs:element name="Spectrum"/> </xs:sequence> <xs:attribute name="FirstPPM" type="xs:double" use="required"/> <xs:attribute name="LastPPM" type="xs:double" use="required"/> <xs:attribute name="NumberOfPoints" type="xs:integer" use="required"/> <xs:attribute name="Xaxis" type="xs:integer" use="required"/> <xs:attribute name="Yaxis" type="xs:integer" use="required"/> <xs:attribute name="Zaxis" type="xs:integer" use="required"/> <xs:attribute name="SNR" type="xs:double"/> </xs:complexType> </xs:element>

attribute **DATASET/Grid/Voxel/@FirstPPM**

type	**xs:double**
properties	use required
source	<xs:attribute name="FirstPPM" type="xs:double" use="required"/>

attribute **DATASET/Grid/Voxel/@LastPPM**

type	**xs:double**
properties	use required
source	<xs:attribute name="LastPPM" type="xs:double" use="required"/>

attribute **DATASET/Grid/Voxel/@NumberOfPoints**

type	**xs:integer**
properties	use required
source	<xs:attribute name="NumberOfPoints" type="xs:integer" use="required"/>

attribute **DATASET/Grid/Voxel/@Xaxis**

type	**xs:integer**
properties	use required
source	<xs:attribute name="Xaxis" type="xs:integer" use="required"/>

attribute **DATASET/Grid/Voxel/@Yaxis**

type	**xs:integer**
properties	use required
source	<xs:attribute name="Yaxis" type="xs:integer" use="required"/>

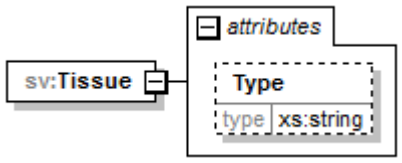
attribute **DATASET/Grid/Voxel/@Zaxis**

type	**xs:integer**
properties	use required
source	<xs:attribute name="Zaxis" type="xs:integer" use="required"/>

attribute **DATASET/Grid/Voxel/@SNR**

type	**xs:double**
source	<xs:attribute name="SNR" type="xs:double"/>

element **DATASET/Grid/Voxel/Tissue**

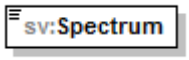
diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv
properties	content complex
attributes	Name: Type; Type: **xs:string**; Use; Default; Fixed; Annotation
source	<xs:element name="Tissue"> <xs:complexType> <xs:attribute name="Type" type="xs:string"/> </xs:complexType> </xs:element>

attribute **DATASET/Grid/Voxel/Tissue/@Type**

type	**xs:string**

source	<xs:attribute name="Type" type="xs:string"/>

element **DATASET/Grid/Voxel/Spectrum**

diagram	
namespace	http://gabrmn.uab.es/jmrui2xml_sv
source	<xs:element name="Spectrum"/>