VFfieldesize

```
int32 VFfieldesize(int32 vdata_ref, int32 field_index)
```

vdata_ref	IN:	Reference number for the Vdata to open
field_index	IN:	Number determined by assigning each field in a record a number starting with `0`

Purpose: Retrieve the size (as stored in an HDF file) of a specified field in a given Vdata.

Return value: Returns the size of a value for the specified field if successful and `FAIL(-1)` otherwise.

FORTRAN: None

VFfieldisize

```
int32 VFfieldisize(int32 vdata_ref, int32 field_index)
```

vdata_ref	IN:	Reference number for the Vdata to open
field_index	IN:	Number determined by assigning each field in a record an index starting with `0`

Purpose: Retrieve the size (as stored in memory) of a specified field in a give Vdata.

Return value: Returns the size of a value for the specified field if successful and `FAIL(-1)` otherwise.

FORTRAN: None

VFfieldname

```
char *VFfieldname(int32 vdata_ref, int32 field_index)
```

vdata_ref	IN:	Reference number for the Vdata to open
field_index	IN:	Number determined by assigning each field in a record an index starting with 0

Purpose — Retrieves the fieldname for a specified field in a given Vdata.

Return value — Returns a pointer to the fieldname if successful and NULL otherwise.

FORTRAN — None

VFfieldorder

```
int32 VFfieldorder(int32 vdata_ref, int32 field_index)
```

vdata_ref	IN:	Reference number for the Vdata to open
field_index	IN:	Number determined by assigning each field in a record an index starting with `0`

Purpose	Retrieves the order of a specified field in a given Vdata.
Return value	Returns the order of the field if successful and `FAIL(-1)` otherwise.
FORTRAN	None

VFfieldtype

```
int32 VFfieldtype(int32 vdata_ref, int32 field_index)
```

vdata_ref	IN:	Reference number for the Vdata to open
field_index	IN:	Number determined by assigning each field in a record an index starting with `0`

Purpose	Retrieves the number type for a specified field in a given Vdata.
Return value	Returns the number type if successful and `FAIL(-1)` otherwise.
FORTRAN	None

VFnfields

```
int32 VFnfields(int32 vdata_ref)
```

vdata_ref	IN:	Reference number for the Vdata to open

Purpose	Retrieve the total number of fields in the specified Vdata.
Return value	Returns the number of fields if successful and `FAIL(-1)` otherwise.
FORTRAN	None