

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031620\
 Data File : VV014959.D
 Acq On : 16 Mar 2020 20:32
 Operator : SY/MD
 Sample : L1940-13
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DA7

Quant Time: Mar 18 05:16:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 18 03:17:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	339724	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	325454	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	152089	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	96930	42.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.66%
7) Chloroethane-d5	1.58	69	77220	45.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.88%
11) 1,1-Dichloroethene-d2	2.12	63	119041	34.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.56%
21) 2-Butanone-d5	3.93	46	107693	78.04	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	78.04%
24) Chloroform-d	4.38	84	208582	44.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.46%
26) 1,2-Dichloroethane-d4	5.06	65	140553	47.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.10%
32) Benzene-d6	5.08	84	434184	48.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.86%
36) 1,2-Dichloropropane-d6	6.10	67	130512	48.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.76%
41) Toluene-d8	7.34	98	412019	46.46	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.92%
43) trans-1,3-Dichloropropene-	7.64	79	61725	43.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.98%
47) 2-Hexanone-d5	8.12	63	116790	96.91	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.91%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	182188	46.61	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.22%
64) 1,2-Dichlorobenzene-d4	11.65	152	166775	50.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.12%

Target Compounds

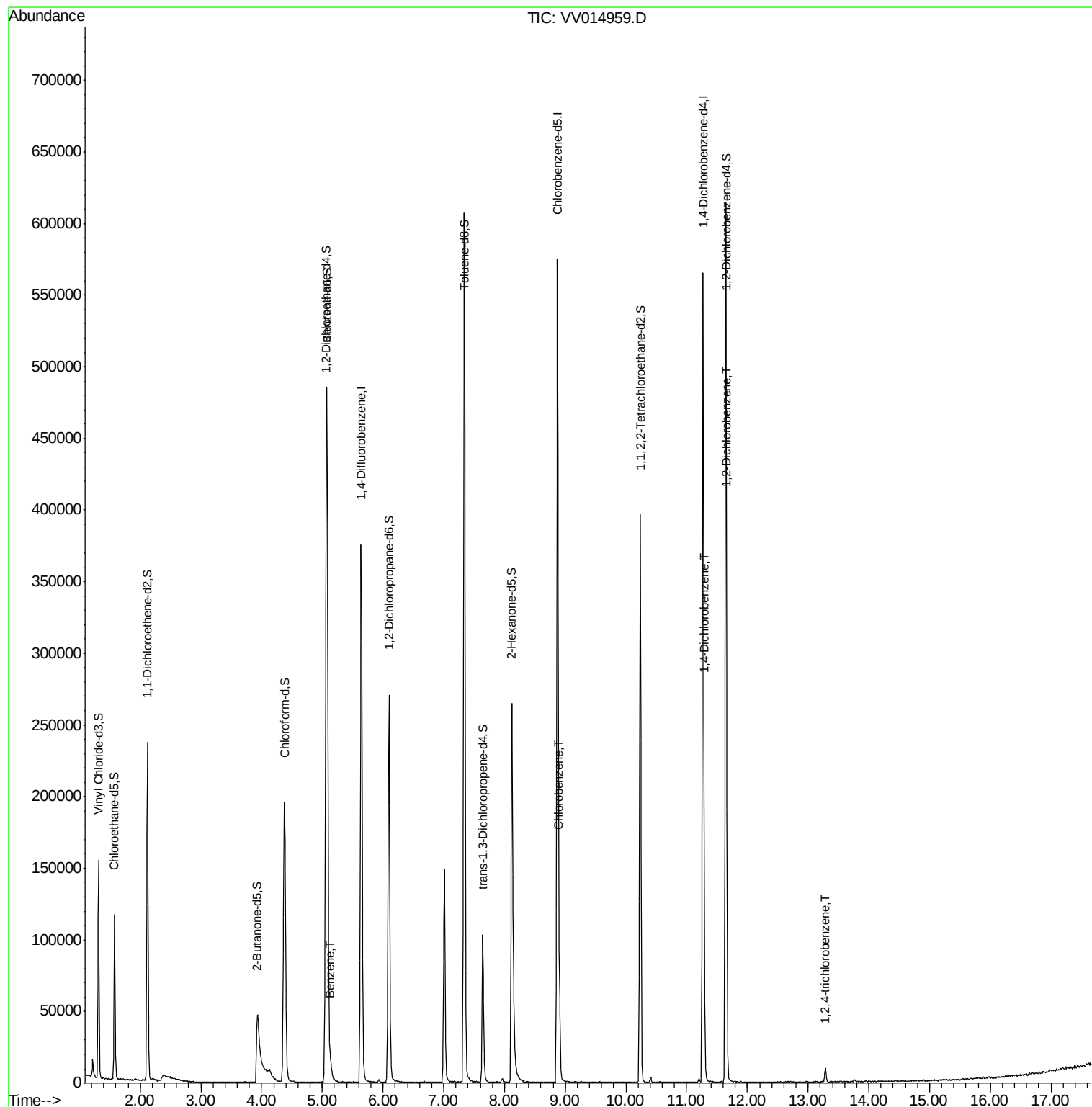
					Ovalue
33) Benzene	5.13	78	14139	1.597 ug/L	100
51) Chlorobenzene	8.90	112	33856	4.934 ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	20512	4.063 ug/L	93
65) 1,2-Dichlorobenzene	11.67	146	8795	1.757 ug/L	90
68) 1,2,4-trichlorobenzene	13.29	180	4110	1.173 ug/L #	93

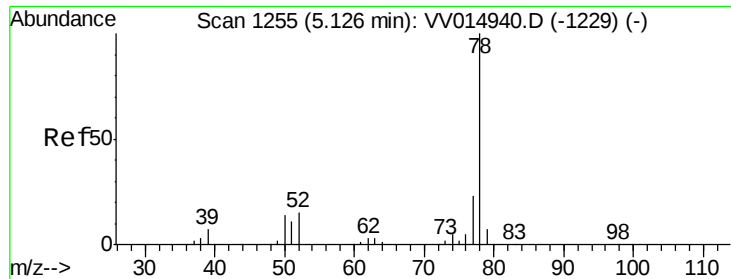
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#33

Benzene

Concen: 1.597 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VV014959.D

Acq: 16 Mar 2020 20:32

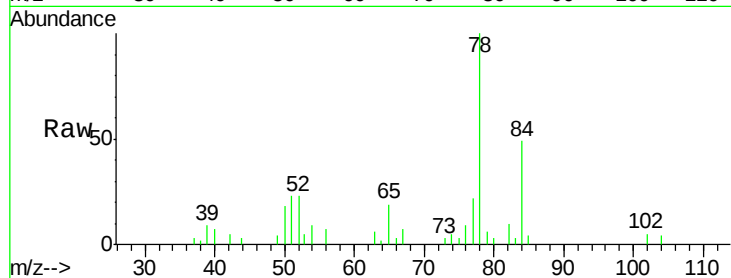
Instrument :

MSVOA_V

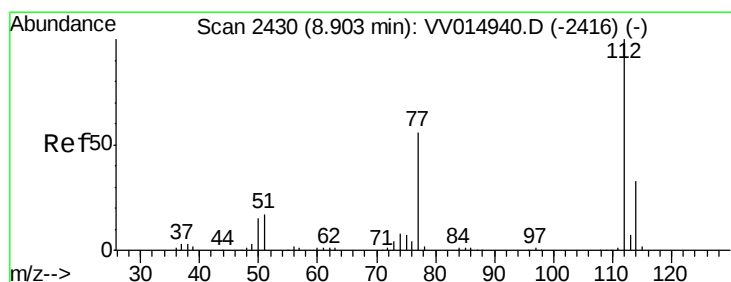
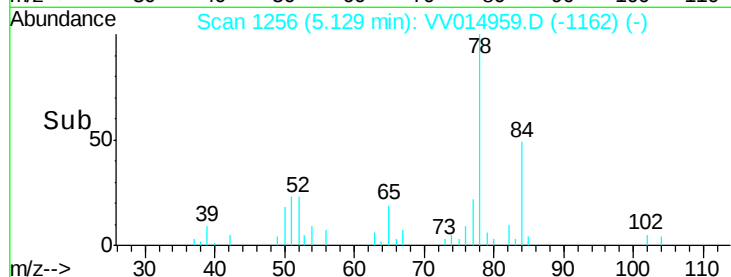
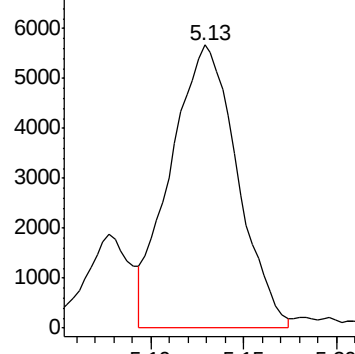
ClientSampleId :

C0DA7

Tgt Ion: 78 Resp: 14139



Abundance Ion 78.00 (77.70 to 78.70): VV0



#51

Chlorobenzene

Concen: 4.934 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV014959.D

Acq: 16 Mar 2020 20:32

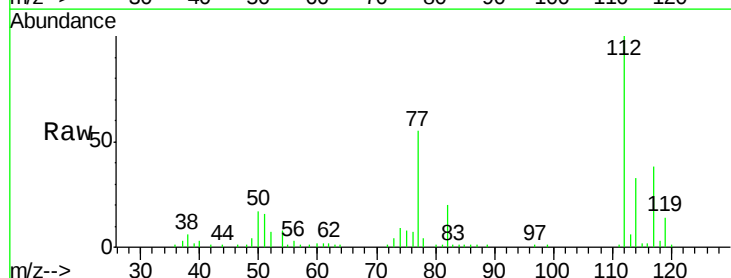
Tgt Ion: 112 Resp: 33856

Ion Ratio Lower Upper

112 100

114 32.7 22.8 42.4

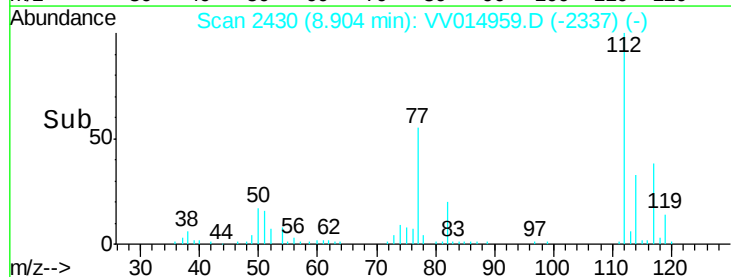
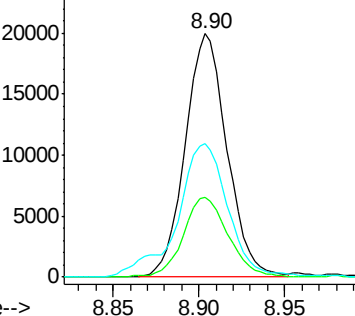
77 54.7 44.5 66.7

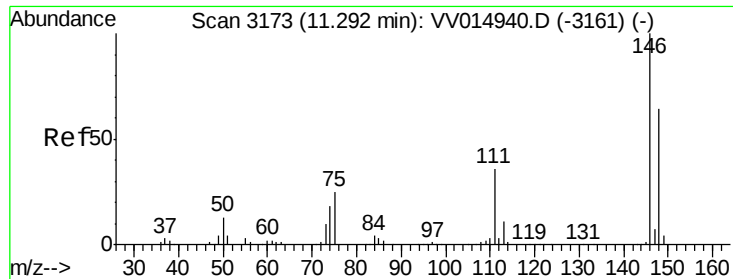


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0





#63

1,4-Dichlorobenzene

Concen: 4.063 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV014959.D

Acq: 16 Mar 2020 20:32

Instrument :

MSVOA_V

ClientSampleId :

C0DA7

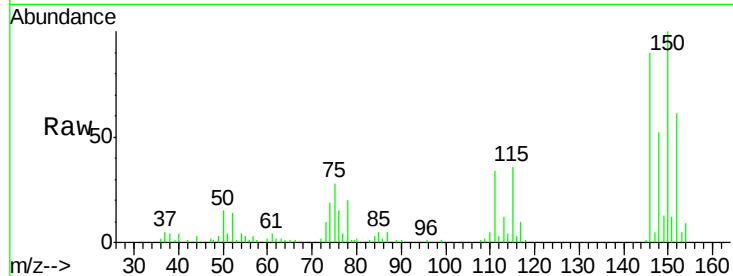
Tot Ion:146 Resp: 20512

Ion Ratio Lower Upper

146 100

111 37.4 26.0 48.2

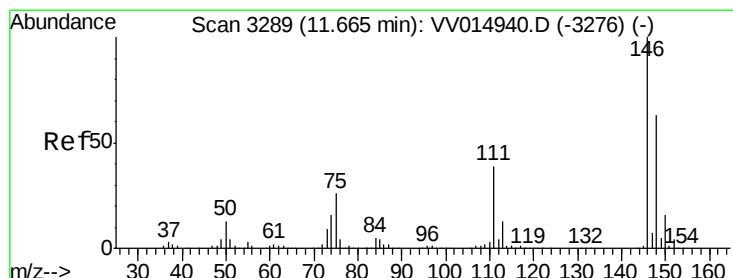
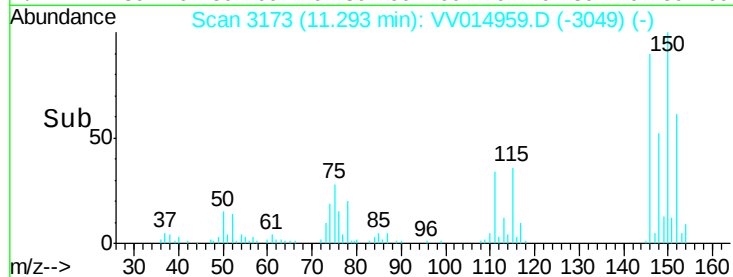
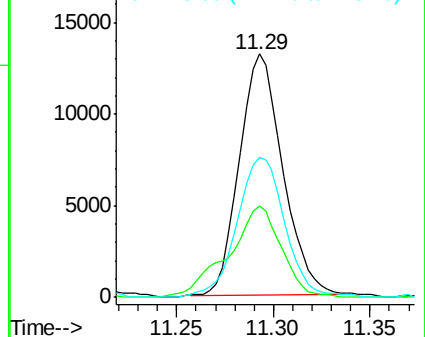
148 57.4 46.1 85.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 1.757 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV014959.D

Acq: 16 Mar 2020 20:32

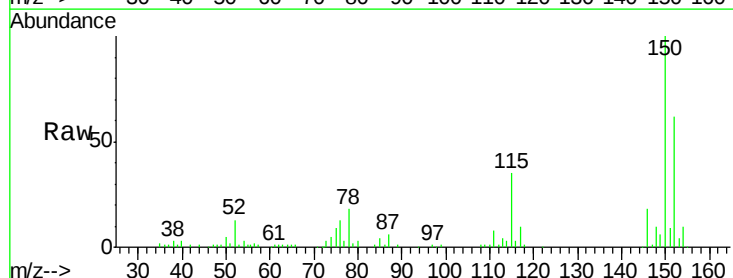
Tgt Ion:146 Resp: 8795

Ion Ratio Lower Upper

146 100

111 41.9 31.6 47.4

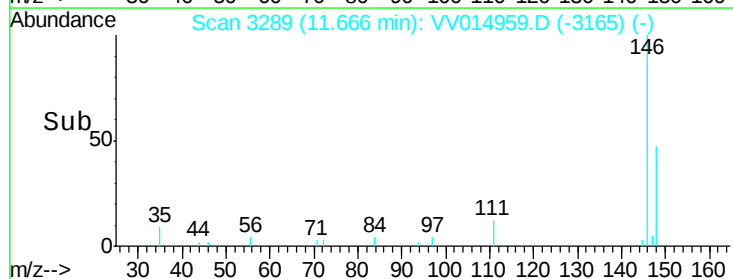
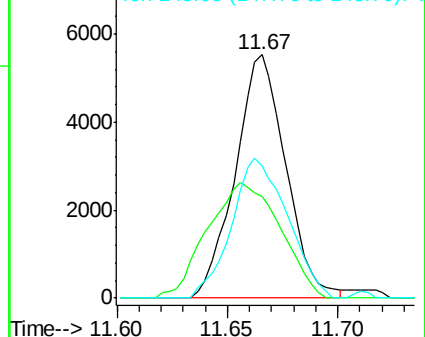
148 54.4 52.2 78.4

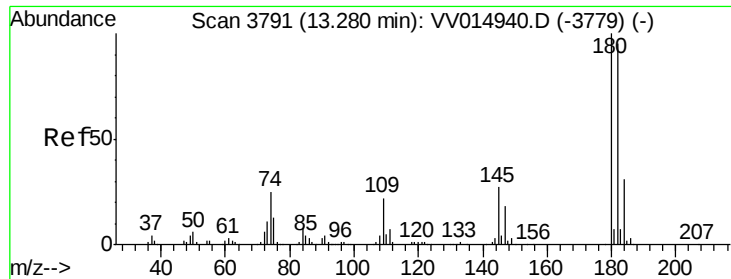


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

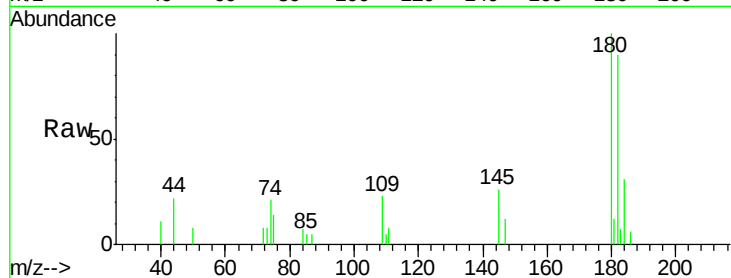




#68
 1,2,4-trichlorobenzene
 Concen: 1.173 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.01 min
 Lab File: VV014959.D
 Acq: 16 Mar 2020 20:32

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DA7

Tot Ion:180 Resp: 4110
 Ion Ratio Lower Upper
 180 100
 182 90.7 76.3 114.5
 145 22.5 23.1 34.7#



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

