

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031620\
 Data File : VV014946.D
 Acq On : 16 Mar 2020 15:18
 Operator : SY/MD
 Sample : L1890-11
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DD1

Quant Time: Mar 18 03:20:15 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	367968	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.88	117	373013	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	208226	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	112954	46.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.16%
7) Chloroethane-d5	1.58	69	85844	47.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.30%
11) 1,1-Dichloroethene-d2	2.12	63	138099	36.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.44%
21) 2-Butanone-d5	3.93	46	117499	78.61	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	78.61%
24) Chloroform-d	4.38	84	234703	45.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.90%
26) 1,2-Dichloroethane-d4	5.06	65	155736	48.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.26%
32) Benzene-d6	5.08	84	493146	47.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.98%
36) 1,2-Dichloropropane-d6	6.10	67	144242	47.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.28%
41) Toluene-d8	7.34	98	471001	46.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.68%
43) trans-1,3-Dichloropropene-	7.64	79	73260	45.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.06%
47) 2-Hexanone-d5	8.12	63	132367	95.83	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.83%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	201434	44.96	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.92%
64) 1,2-Dichlorobenzene-d4	11.65	152	216882	47.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.10%

Target Compounds

					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1474	0.778 ug/L #	17
12) 1,1-Dichloroethene	2.12	96	1348	0.780 ug/L #	1
13) Acetone	2.20	43	1400	0.948 ug/L	78
25) Chloroform	4.41	83	12290	2.551 ug/L	88
31) Carbon tetrachloride	4.86	117	5149	1.302 ug/L #	45
33) Benzene	5.13	78	4336064	427.196 ug/L	100
39) cis-1,3-Dichloropropene	7.01	75	4804	1.149 ug/L #	68
44) trans-1,3-Dichloropropene	7.64	75	3421	0.920 ug/L	90
62) 1,3-Dichlorobenzene	11.20	146	1081298	157.582 ug/L	100
63) 1,4-Dichlorobenzene	11.30	146	6332989	916.213 ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	5949929	868.053 ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.41	75	25981	25.214 ug/L #	1
67) 1,3,5-Trichlorobenzene	12.67	180	10865	2.020 ug/L	98
68) 1,2,4-trichlorobenzene	13.28	180	4122659	859.753 ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	1034350	217.910 ug/L	100

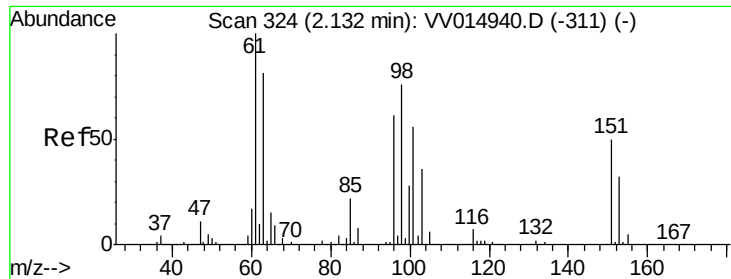
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031620\
Data File : VV014946.D
Acq On : 16 Mar 2020 15:18
Operator : SY/MD
Sample : L1890-11
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0DD1

Quant Time: Mar 18 03:20:15 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)

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



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.778 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV014946.D

Acq: 16 Mar 2020 15:18

Instrument :

MSVOA_V

ClientSampleId :

C0DD1

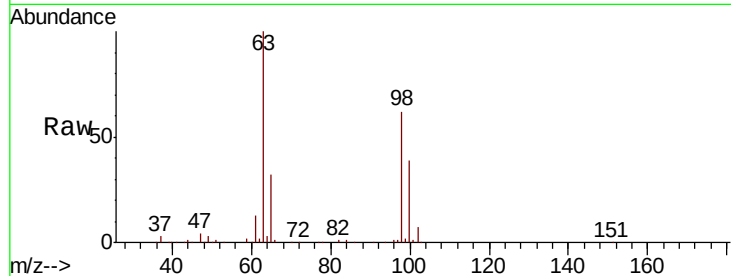
Tot Ion:101 Resp: 1474

Ion Ratio Lower Upper

101 100

85 0.0 33.9 50.9#

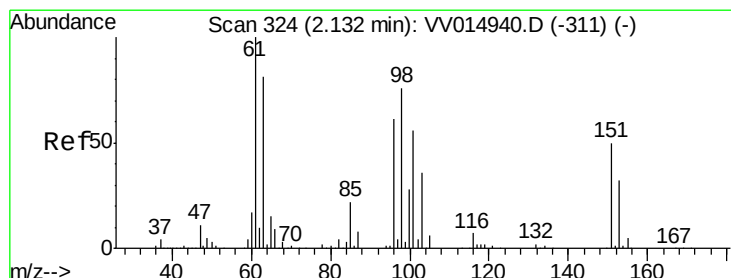
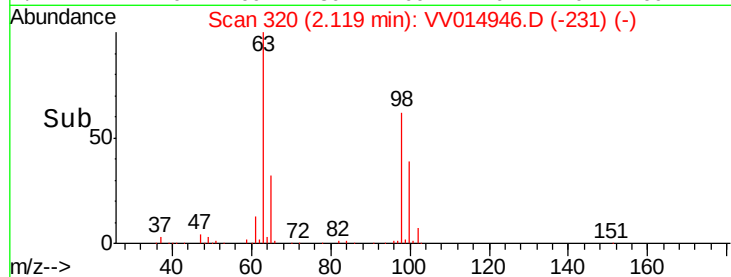
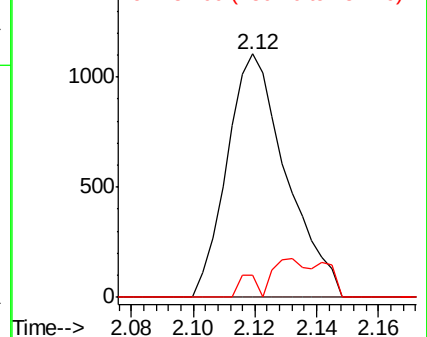
151 2.7 70.1 105.1#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.780 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV014946.D

Acq: 16 Mar 2020 15:18

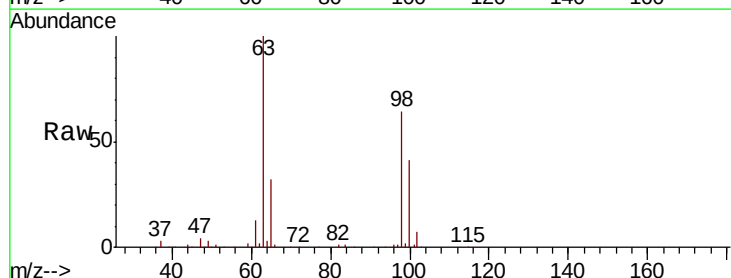
Tgt Ion: 96 Resp: 1348

Ion Ratio Lower Upper

96 100

61 1258.9 115.7 214.9#

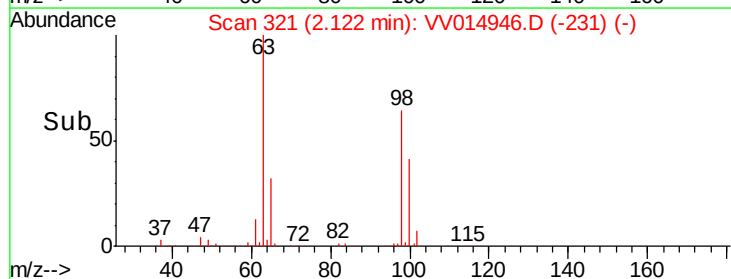
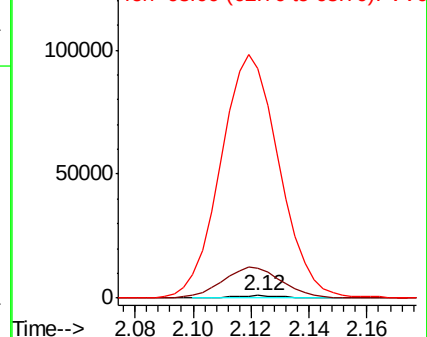
63 9678.5 99.2 184.2#

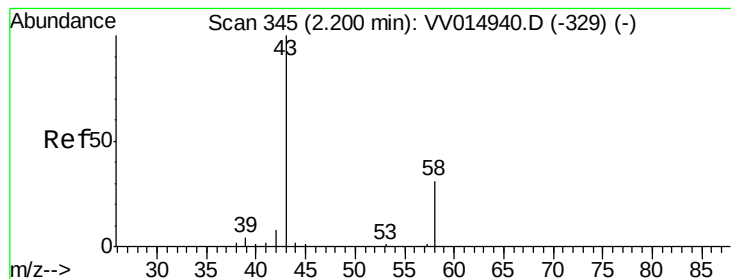


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 0.948 ug/L

RT: 2.20 min Scan# 346

Delta R.T. 0.00 min

Lab File: VV014946.D

Acq: 16 Mar 2020 15:18

Instrument :

MSVOA_V

ClientSampleId :

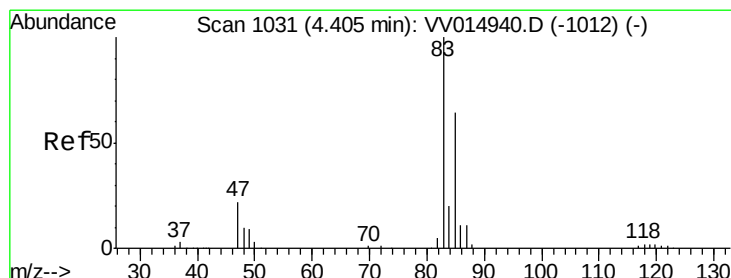
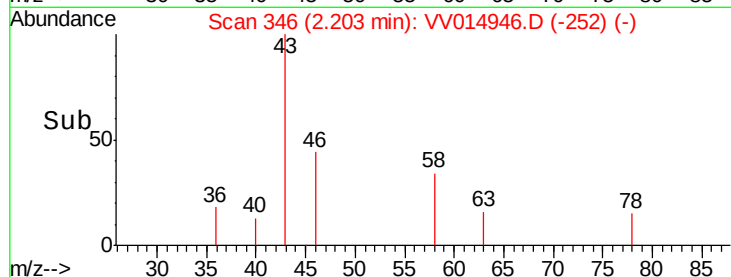
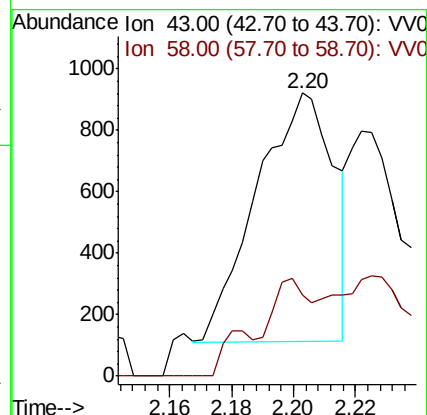
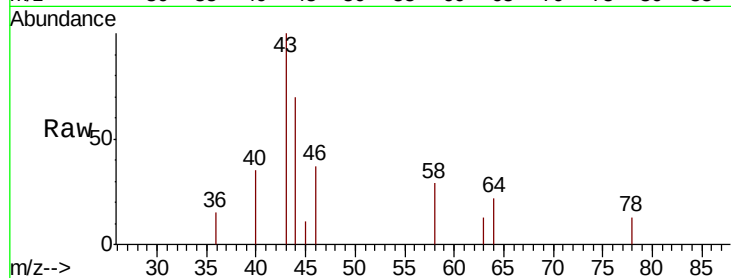
C0DD1

Tot Ion: 43 Resp: 1400

Ion Ratio Lower Upper

43 100

58 14.4 0.0 51.6



#25

Chloroform

Concen: 2.551 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VV014946.D

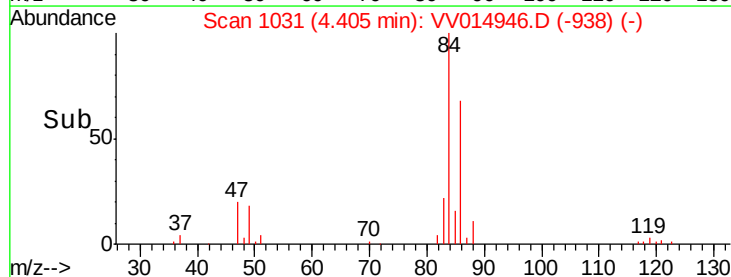
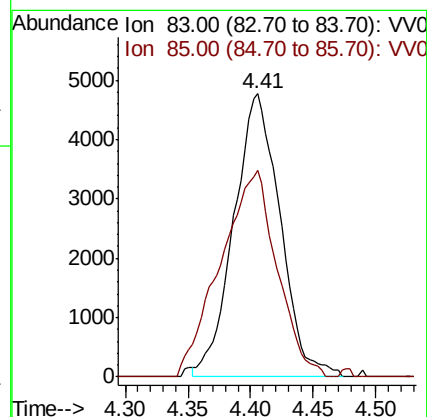
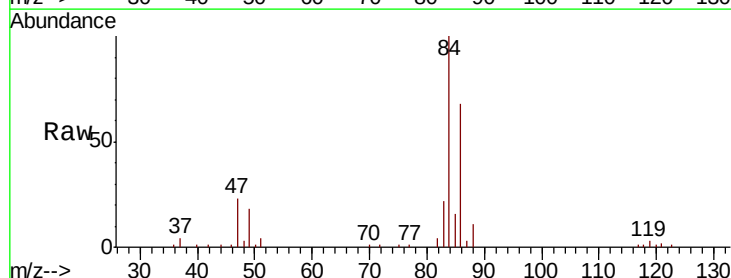
Acq: 16 Mar 2020 15:18

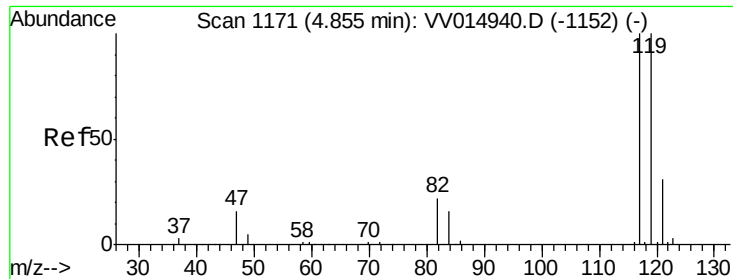
Tgt Ion: 83 Resp: 12290

Ion Ratio Lower Upper

83 100

85 72.9 44.6 82.8





#31

Carbon tetrachloride

Concen: 1.302 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. -0.00 min

Lab File: VV014946.D

Acq: 16 Mar 2020 15:18

Instrument :

MSVOA_V

ClientSampleId :

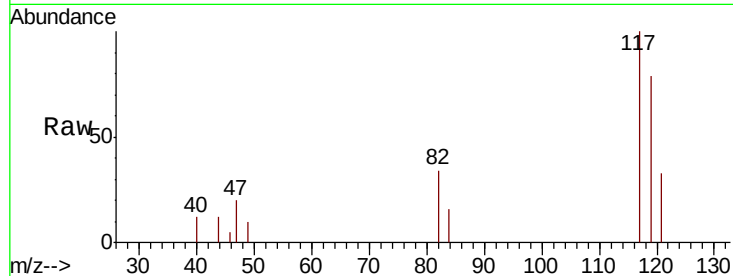
C0DD1

Tot Ion:117 Resp: 5149

Ion Ratio Lower Upper

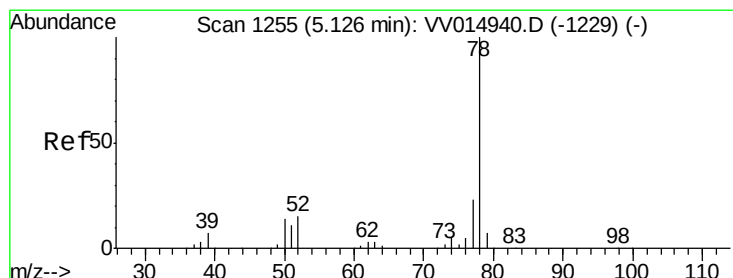
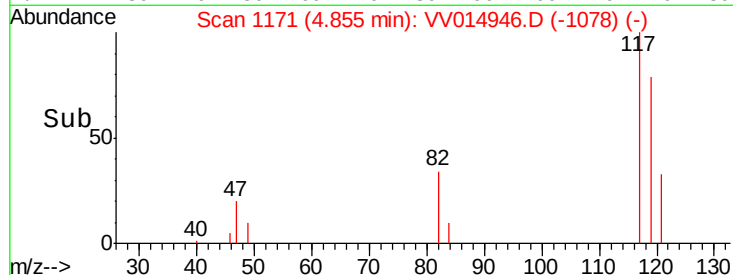
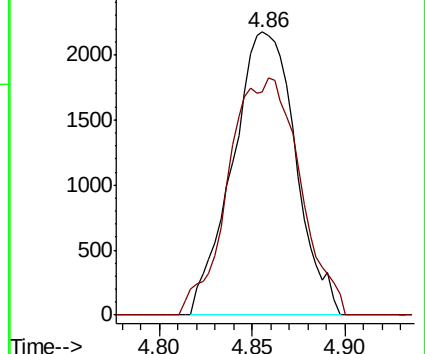
117 100

119 42.0 75.9 113.9#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 427.196 ug/L

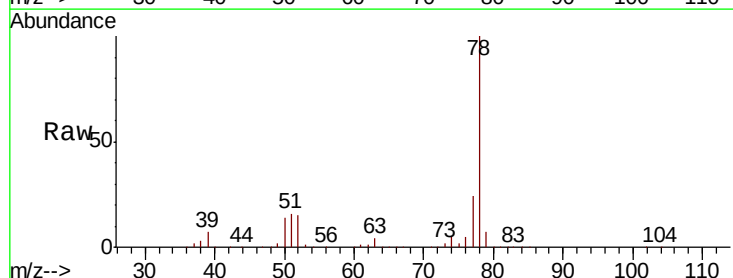
RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

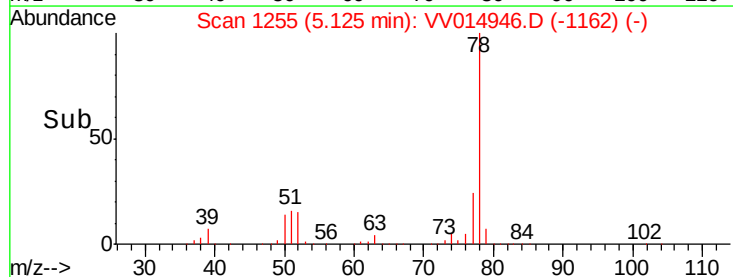
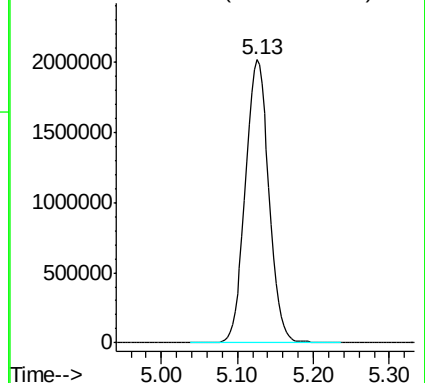
Lab File: VV014946.D

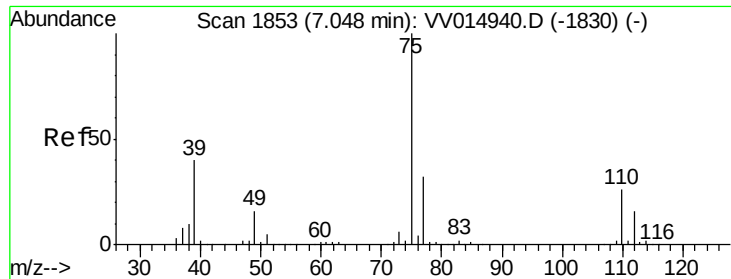
Acq: 16 Mar 2020 15:18

Tgt Ion: 78 Resp: 4336064



Abundance Ion 78.00 (77.70 to 78.70): VV0

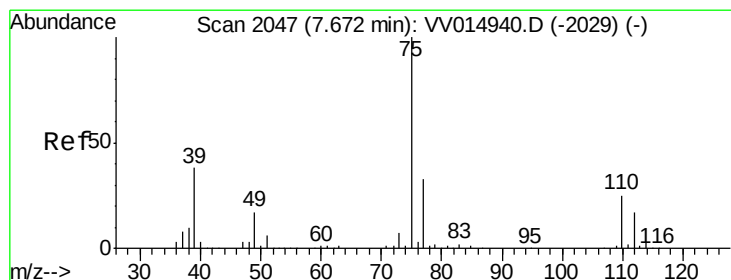
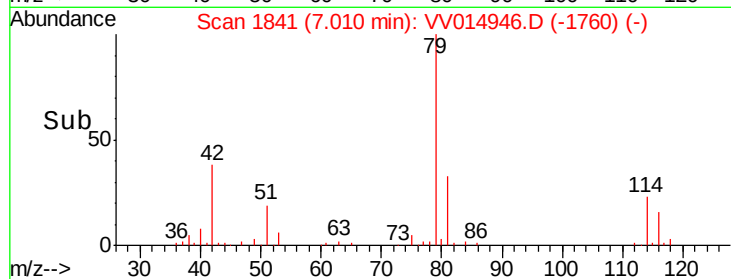
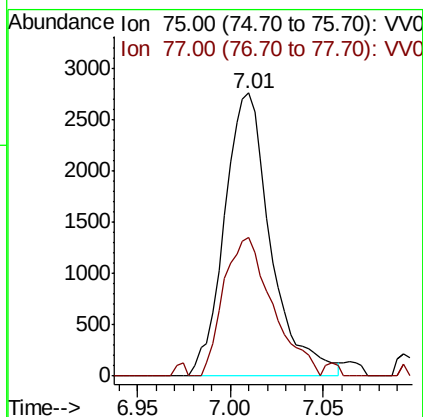
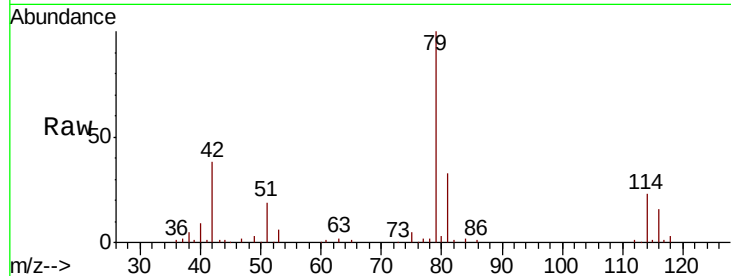




#39
 cis-1,3-Dichloropropene
 Concen: 1.149 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV014946.D
 Acq: 16 Mar 2020 15:18

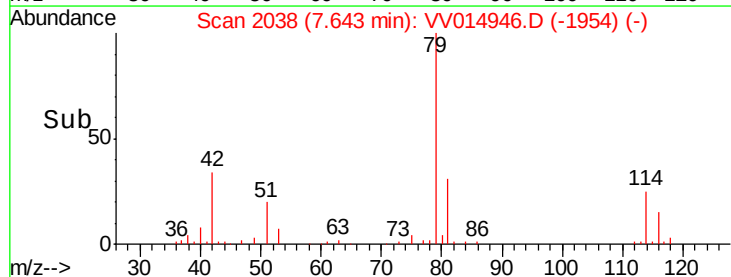
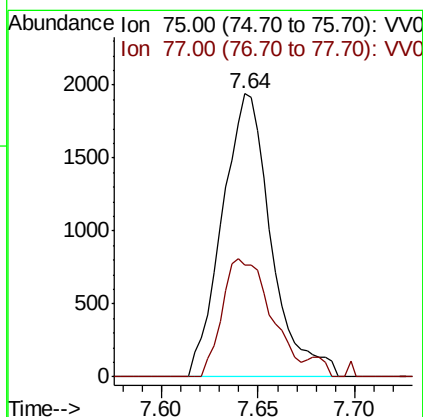
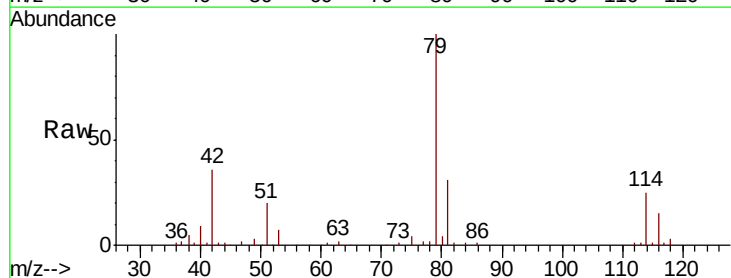
Instrument :
 MSVOA_V
 ClientSampleId :
 C0DD1

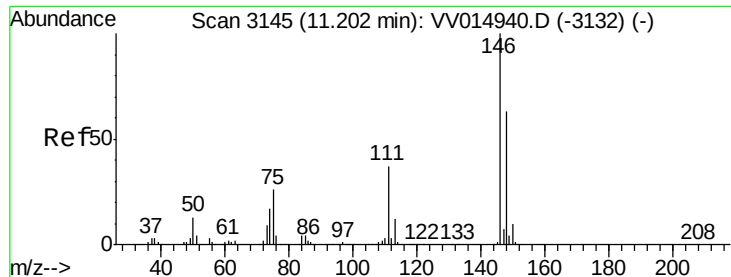
Tot Ion: 75 Resp: 4804
 Ion Ratio Lower Upper
 75 100
 77 49.0 21.8 40.6#



#44
 trans-1,3-Dichloropropene
 Concen: 0.920 ug/L
 RT: 7.64 min Scan# 2038
 Delta R.T. -0.03 min
 Lab File: VV014946.D
 Acq: 16 Mar 2020 15:18

Tgt Ion: 75 Resp: 3421
 Ion Ratio Lower Upper
 75 100
 77 39.4 23.5 43.7





#62

1,3-Dichlorobenzene

Concen: 157.582 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV014946.D

Acq: 16 Mar 2020 15:18

Instrument :

MSVOA_V

ClientSampleId :

C0DD1

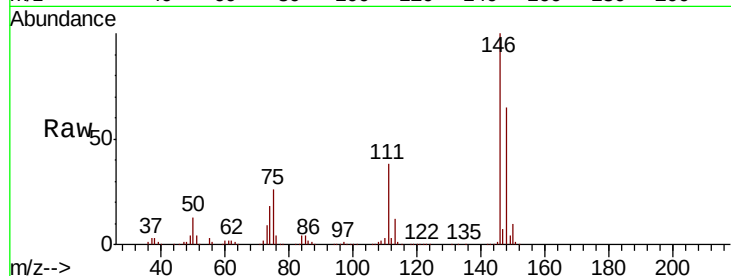
Tot Ion:146 Resp: 1081298

Ion Ratio Lower Upper

146 100

111 38.0 26.5 49.3

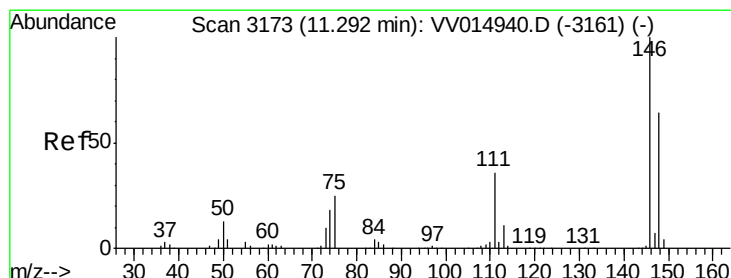
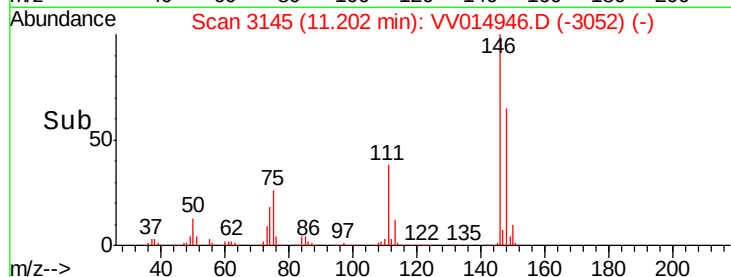
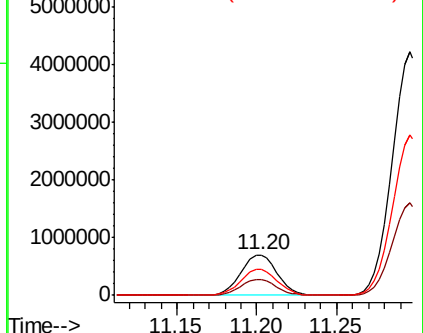
148 64.9 45.4 84.2



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



#63

1,4-Dichlorobenzene

Concen: 916.213 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV014946.D

Acq: 16 Mar 2020 15:18

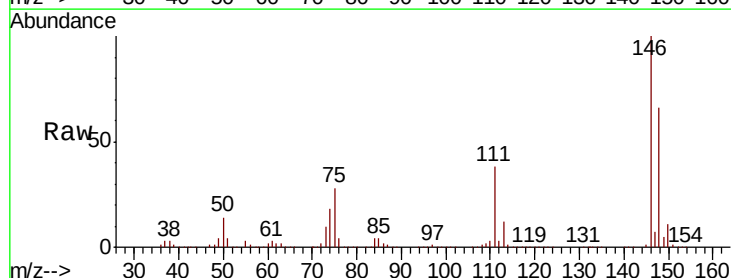
Tgt Ion:146 Resp: 6332989

Ion Ratio Lower Upper

146 100

111 37.8 26.0 48.2

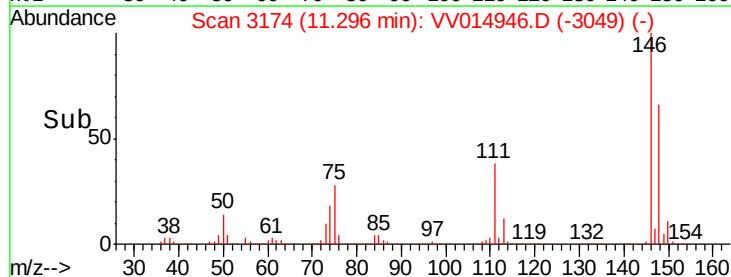
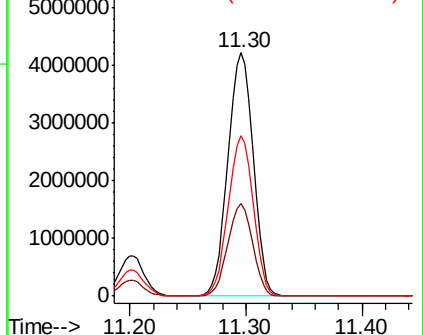
148 65.7 46.1 85.5

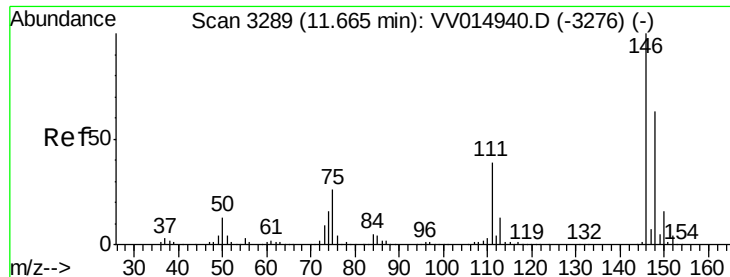


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 868.053 ug/L

RT: 11.67 min Scan# 3290

Delta R.T. 0.00 min

Lab File: VV014946.D

Acq: 16 Mar 2020 15:18

Instrument :

MSVOA_V

ClientSampled :

C0DD1

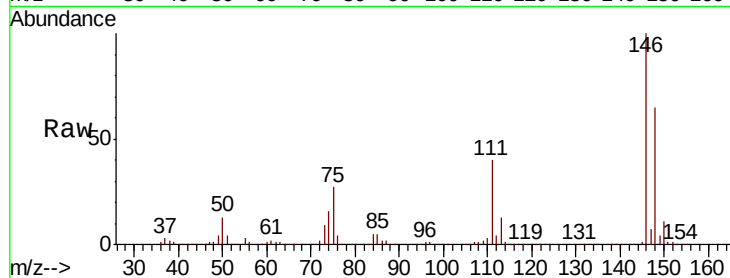
Tot Ion:146 Resp: 5949929

Ion Ratio Lower Upper

146 100

111 40.2 31.6 47.4

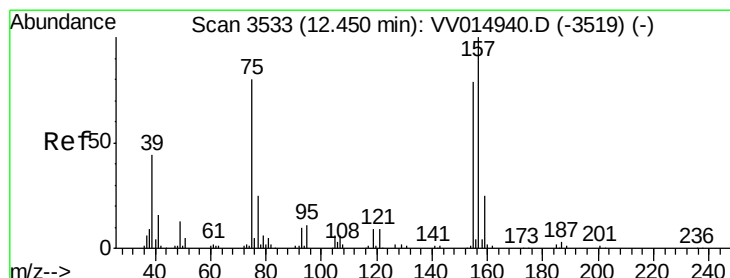
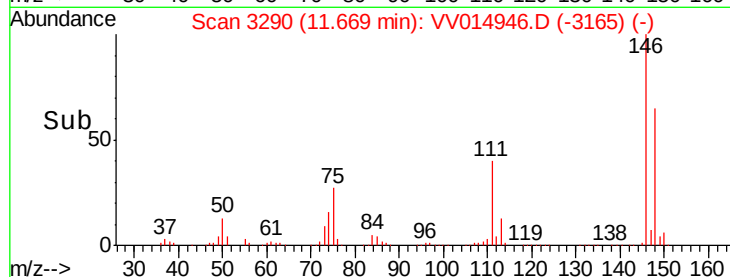
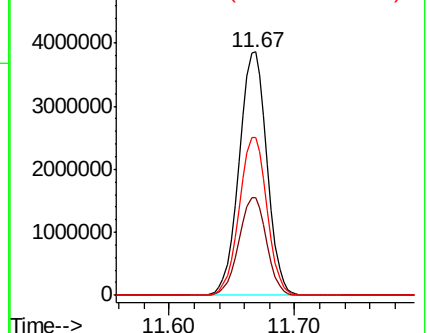
148 65.1 52.2 78.4



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



#66

1,2-Dibromo-3-chloropropane

Concen: 25.214 ug/L

RT: 12.41 min Scan# 3522

Delta R.T. -0.04 min

Lab File: VV014946.D

Acq: 16 Mar 2020 15:18

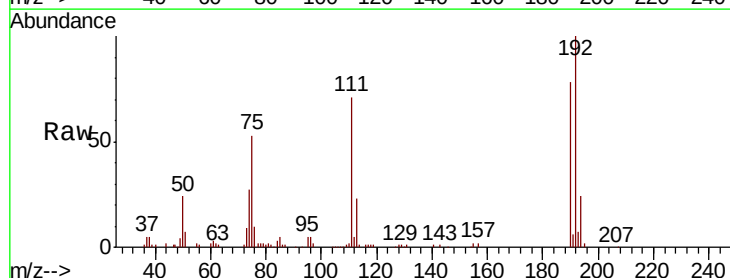
Tgt Ion: 75 Resp: 25981

Ion Ratio Lower Upper

75 100

155 4.0 77.7 116.5#

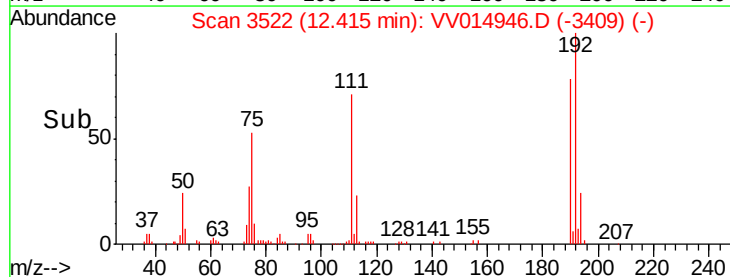
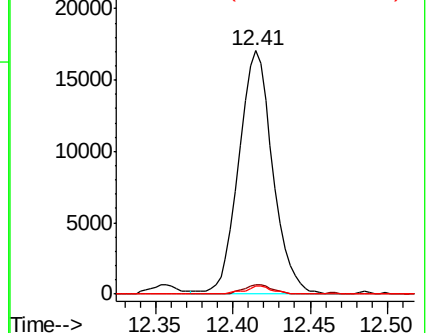
157 3.3 97.2 145.8#

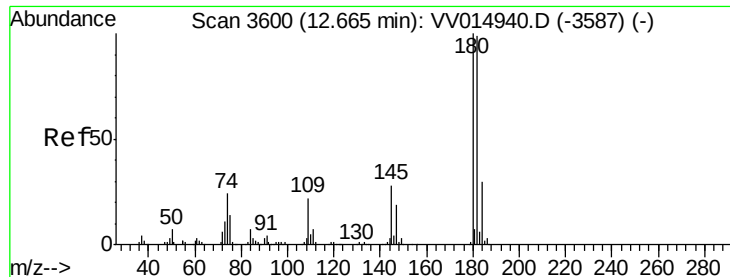


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

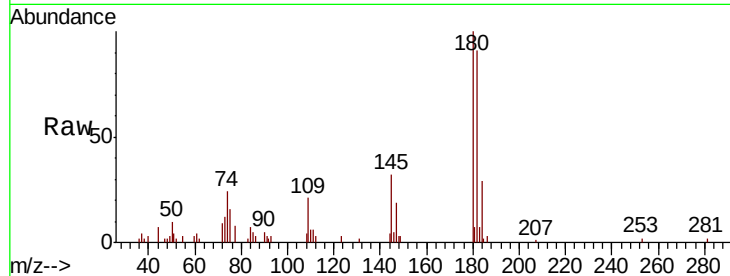




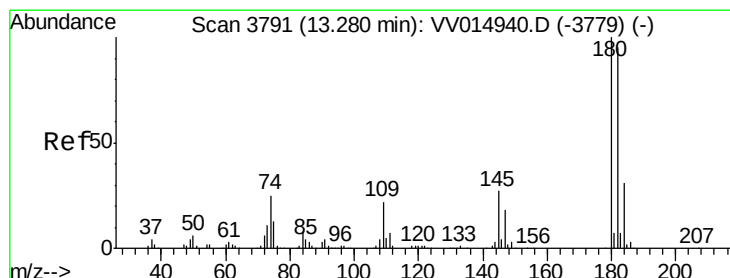
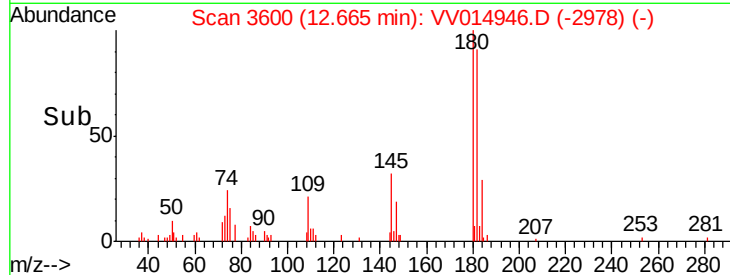
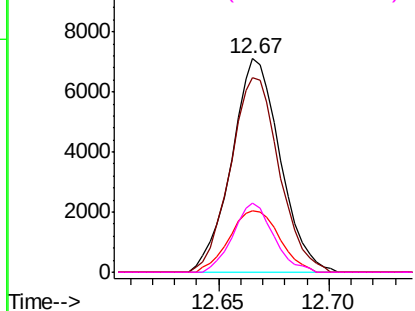
#67
 1,3,5-Trichlorobenzene
 Concen: 2.020 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV014946.D
 Acq: 16 Mar 2020 15:18

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DD1

Tot Ion:180 Resp: 10865
 Ion Ratio Lower Upper
 180 100
 182 91.5 75.7 113.5
 184 29.6 24.2 36.4
 145 27.0 22.0 33.0

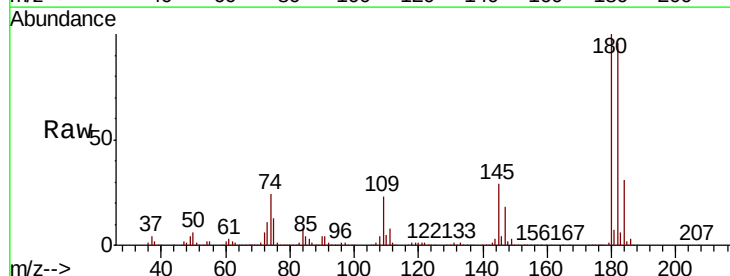


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

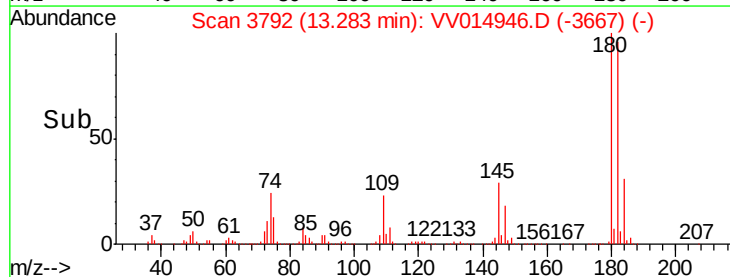
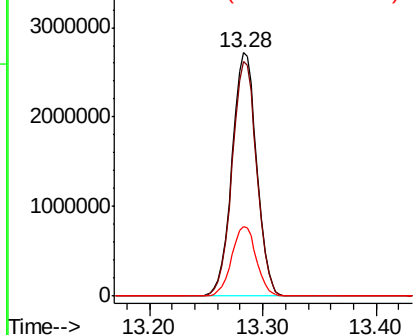


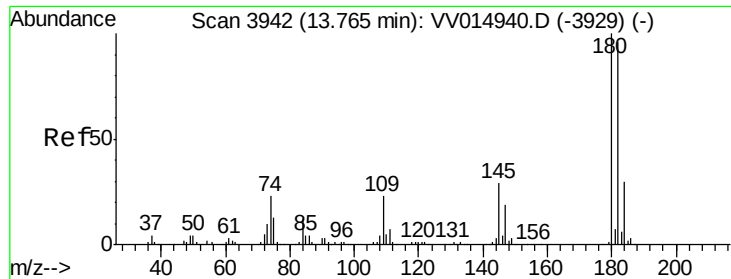
#68
 1,2,4-trichlorobenzene
 Concen: 859.753 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV014946.D
 Acq: 16 Mar 2020 15:18

Tgt Ion:180 Resp: 4122659
 Ion Ratio Lower Upper
 180 100
 182 95.9 76.3 114.5
 145 28.5 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

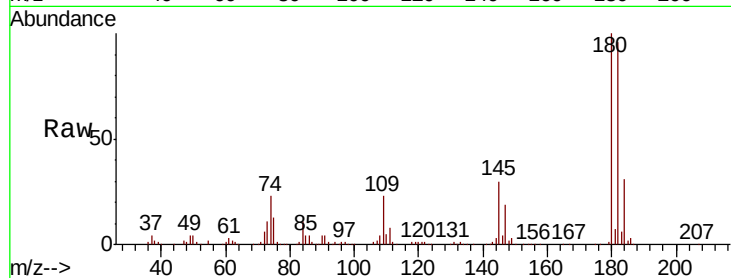




#70
 1,2,3-Trichlorobenzene
 Concen: 217.910 ug/L
 RT: 13.77 min Scan# 3942
 Delta R.T. -0.00 min
 Lab File: VV014946.D
 Acq: 16 Mar 2020 15:18

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DD1

Tot Ion:180 Resp: 1034350
 Ion Ratio Lower Upper
 180 100
 182 95.7 76.2 114.4
 145 29.8 24.1 36.1



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

