

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101719\
 Data File : VV013190.D
 Acq On : 18 Oct 2019 00:55
 Operator : SY/MD
 Sample : K5321-15
 Misc : 25.00ML/MSVOA V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 18 03:42:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 18 03:32:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	437544	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	467605	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	213012	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	233563	5.04	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.80%
7) Chloroethane-d5	1.58	69	179992	5.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.00%
11) 1,1-Dichloroethene-d2	2.13	63	254301	3.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.20%
20) 2-Butanone-d5	3.97	46	508192	55.78	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.56%
24) Chloroform-d	4.40	84	401381	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.40%
26) 1,2-Dichloroethane-d4	5.08	65	202030	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.40%
32) Benzene-d6	5.10	84	813050	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
36) 1,2-Dichloropropane-d6	6.12	67	259145	5.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.60%
41) Toluene-d8	7.36	98	660212	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.60%
43) trans-1,3-Dichloropropene-	7.66	79	84051	4.69	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.80%
46) 2-Hexanone-d5	8.14	63	387570	52.44	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.88%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	196326	5.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	239518	5.52	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.40%

Target Compounds

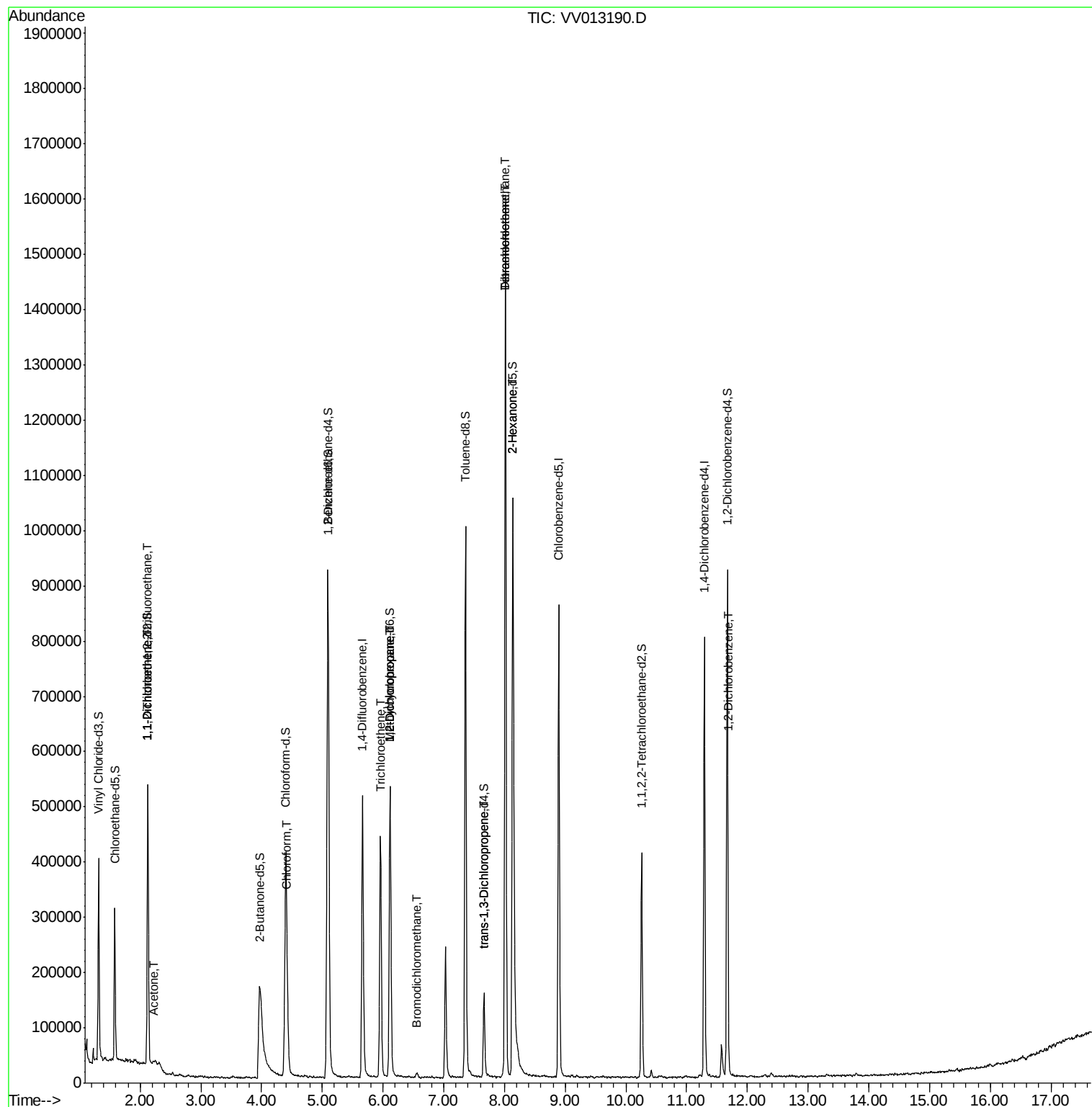
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2748	0.072	ug/L #	20
12) 1,1-Dichloroethene	2.13	96	2652	0.074	ug/L #	1
13) Acetone	2.23	43	7686	1.294	ug/L	75
25) Chloroform	4.43	83	70993	0.807	ug/L	96
34) Trichloroethene	5.96	95	150778	3.150	ug/L	99
35) Methylcyclohexane	6.12	83	59395	0.777	ug/L #	18
37) 1,2-Dichloropropane	6.12	63	27885	0.616	ug/L #	87
38) Bromodichloromethane	6.55	83	6398	0.111	ug/L	98
44) trans-1,3-Dichloropropene	7.66	75	4292	0.091	ug/L #	71
47) Tetrachloroethene	8.02	164	366319	8.594	ug/L	99
48) 2-Hexanone	8.14	43	61512	3.376	ug/L #	89
49) Dibromochloromethane	8.02	129	312312	8.256	ug/L #	12
65) 1,2-Dichlorobenzene	11.69	146	7523	0.104	ug/L #	92

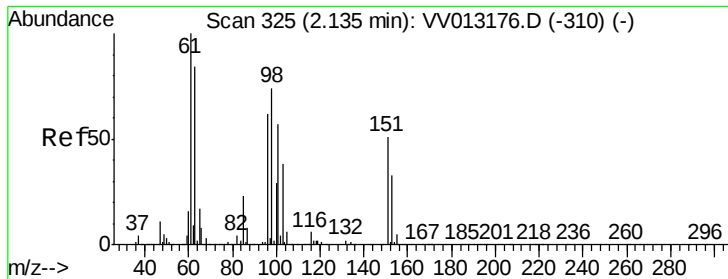
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Oct 18 03:32:46 2019
Response via : Initial Calibration





#10

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

Concen: 0.072 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV013190.D

Acq: 18 Oct 2019 00:55

Instrument :

MSVOA_V

ClientSampleId :

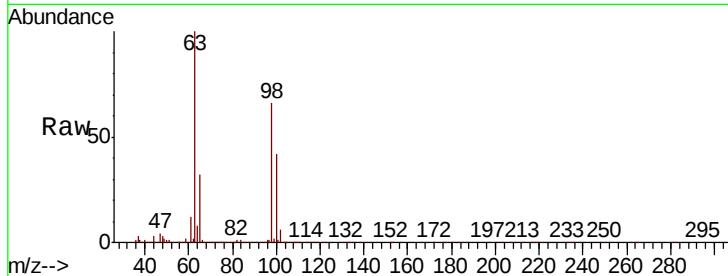
Tot Ion:101 Resp: 2748

Ion Ratio Lower Upper

101 100

85 5.7 32.4 48.6#

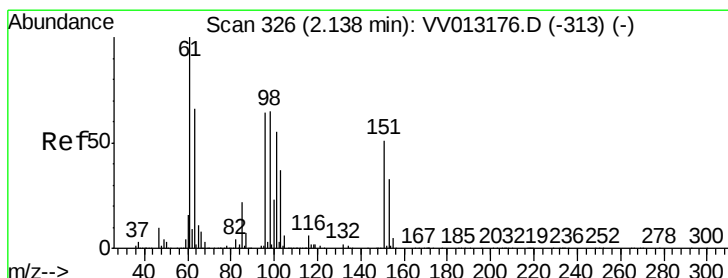
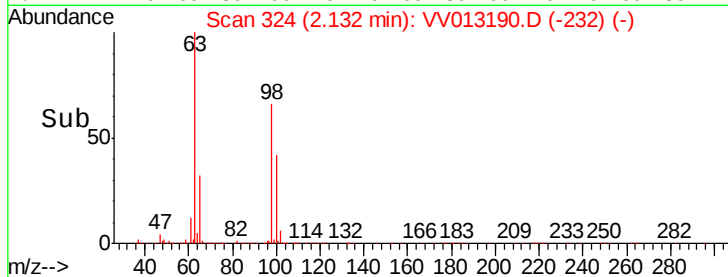
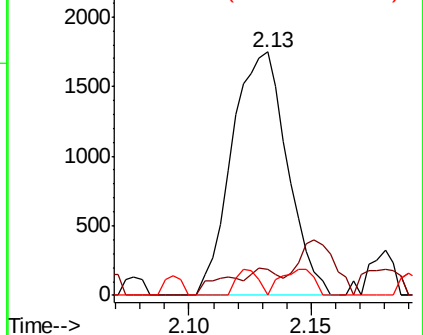
151 4.2 71.9 107.9#



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: 0.074 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV013190.D

Acq: 18 Oct 2019 00:55

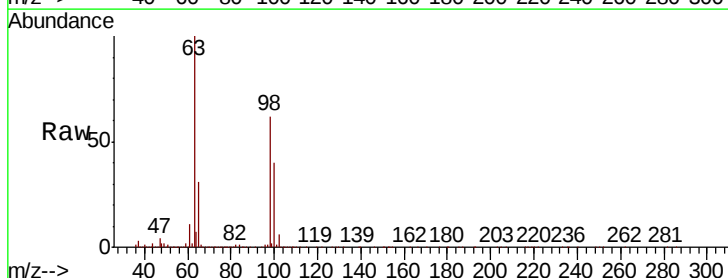
Tgt Ion: 96 Resp: 2652

Ion Ratio Lower Upper

96 100

61 1248.7 109.8 204.0#

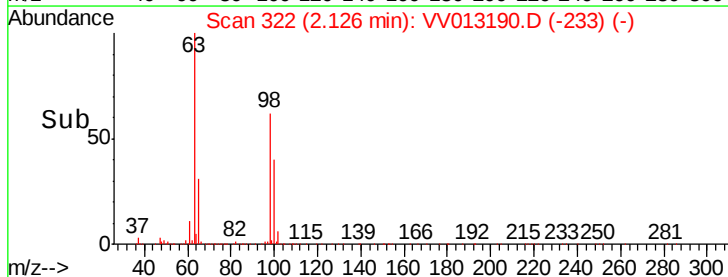
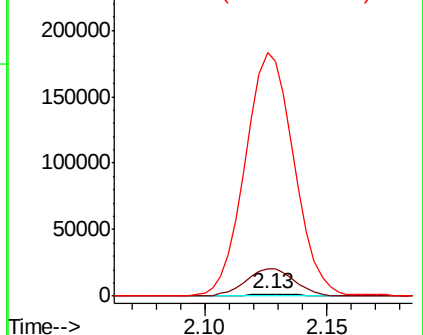
63 11216.7 72.6 134.8#

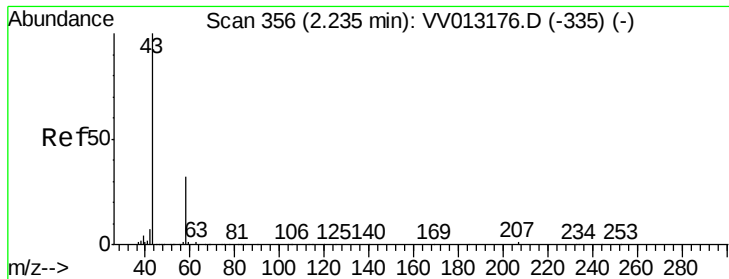


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 1.294 ug/L

RT: 2.23 min Scan# 354

Delta R.T. -0.01 min

Lab File: VV013190.D

Acq: 18 Oct 2019 00:55

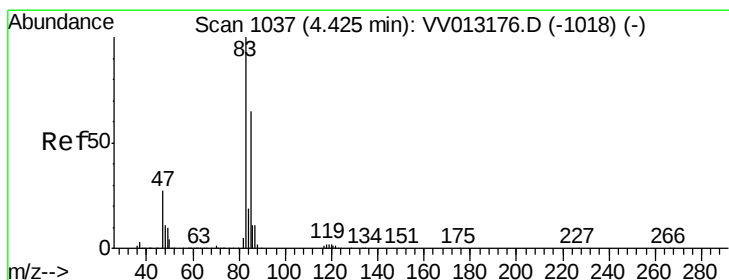
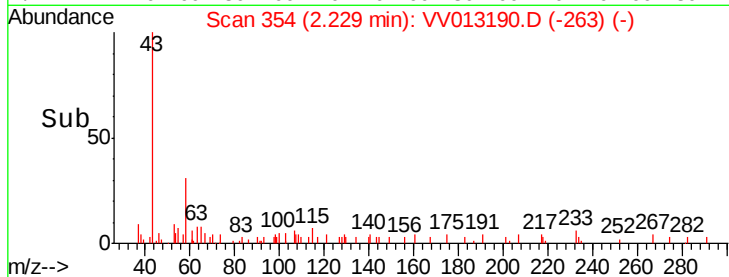
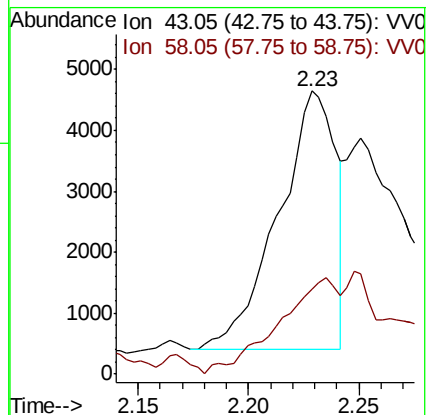
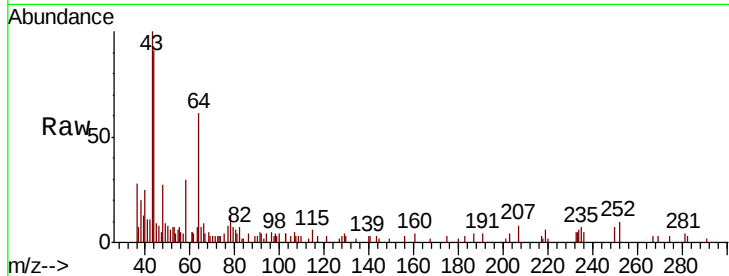
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 7686

Ion Ratio Lower Upper

43 100

58 38.8 0.0 52.4



#25

Chloroform

Concen: 0.807 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VV013190.D

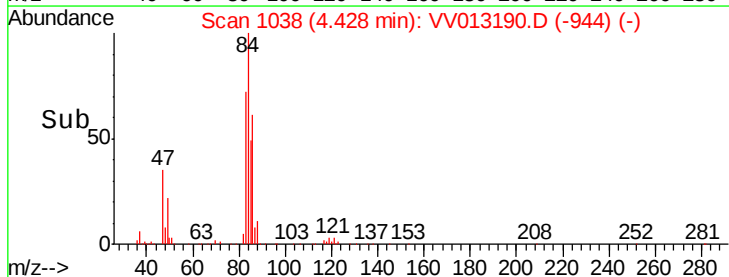
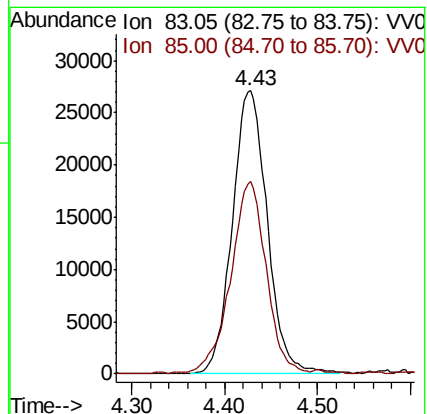
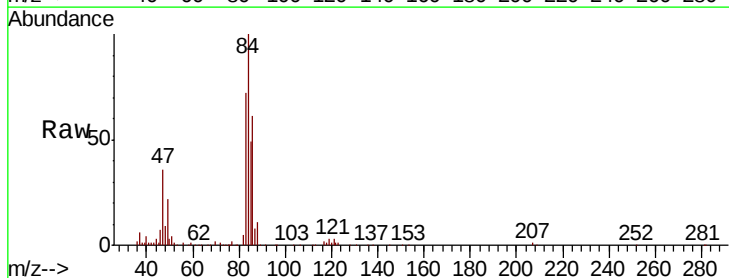
Acq: 18 Oct 2019 00:55

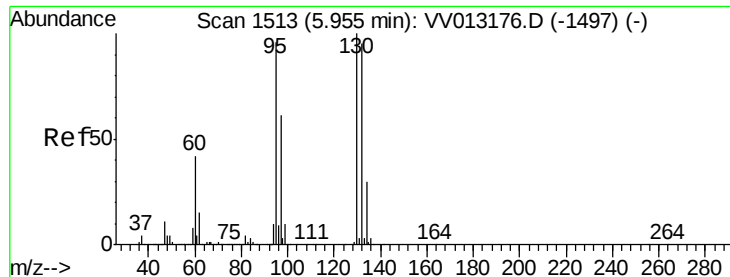
Tgt Ion: 83 Resp: 70993

Ion Ratio Lower Upper

83 100

85 68.0 45.5 84.5





#34

Trichloroethene

Concen: 3.150 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV013190.D

Acq: 18 Oct 2019 00:55

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 95 Resp: 150778

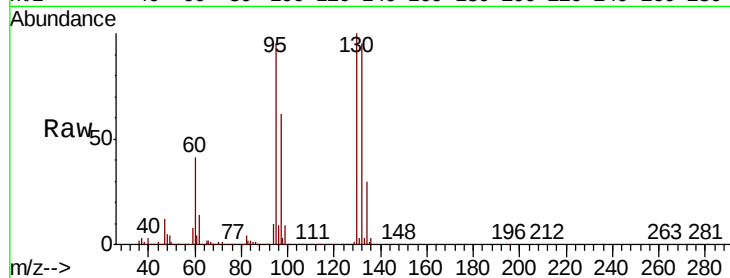
Ion Ratio Lower Upper

95 100

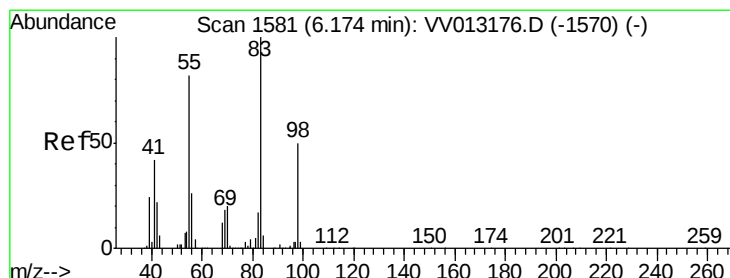
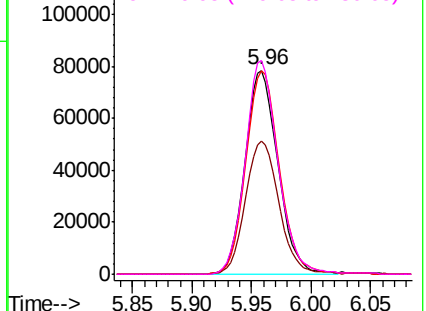
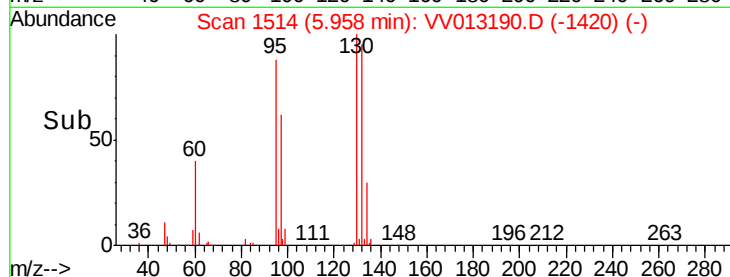
97 65.2 44.7 82.9

132 100.1 68.9 127.9

130 104.9 72.7 134.9



Abundance Ion 95.00 (94.70 to 95.70): VV0
Ion 96.95 (96.65 to 97.65): VV0
Ion 131.95 (131.65 to 132.65): VV0
Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 0.777 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.06 min

Lab File: VV013190.D

Acq: 18 Oct 2019 00:55

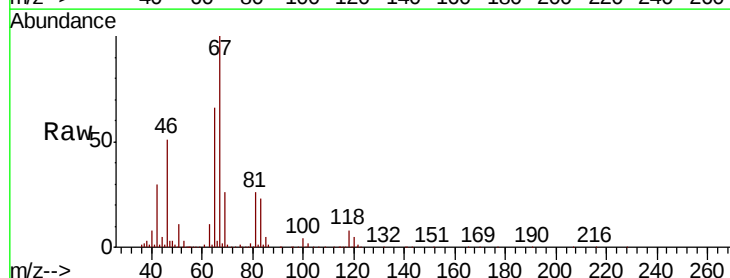
Tgt Ion: 83 Resp: 59395

Ion Ratio Lower Upper

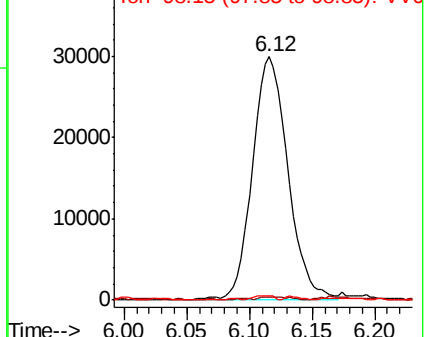
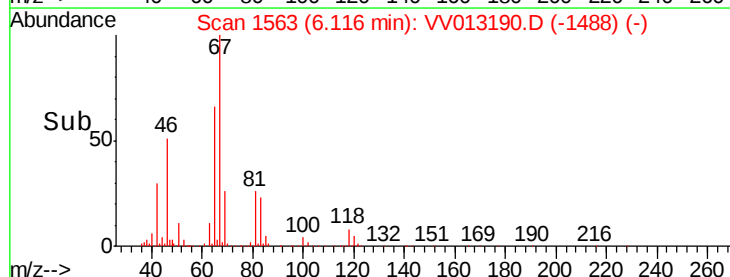
83 100

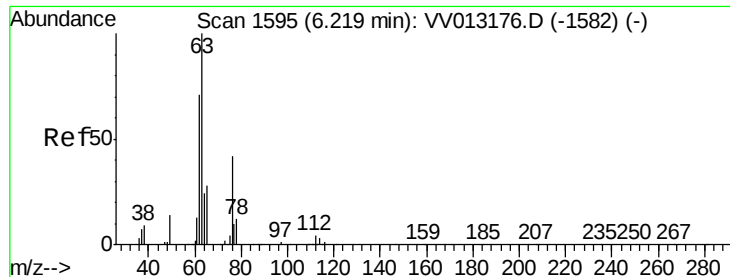
55 0.8 64.0 96.0#

98 1.0 38.6 57.8#



Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 0.616 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV013190.D

Acq: 18 Oct 2019 00:55

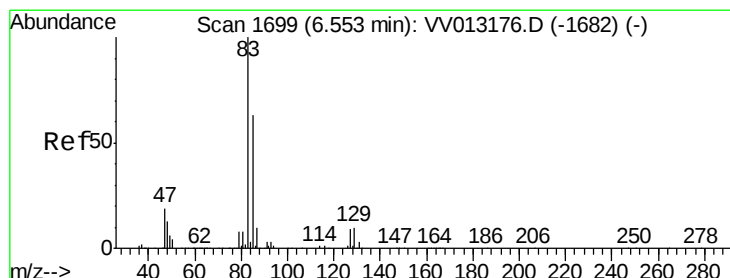
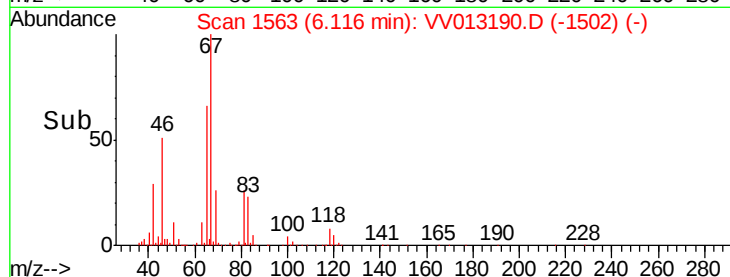
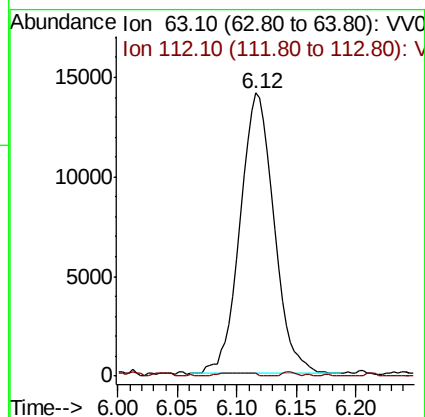
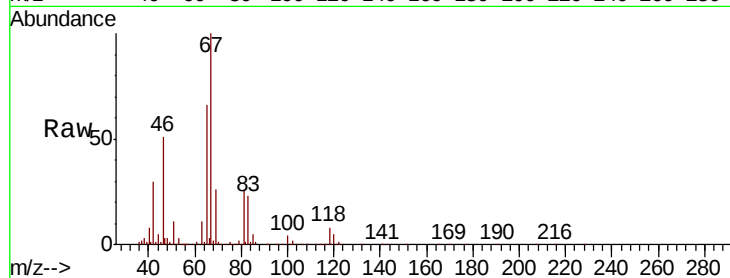
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 63 Resp: 27885

Ion Ratio Lower Upper

63 100

112 0.5 3.8 5.8#



#38

Bromodichloromethane

Concen: 0.111 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV013190.D

Acq: 18 Oct 2019 00:55

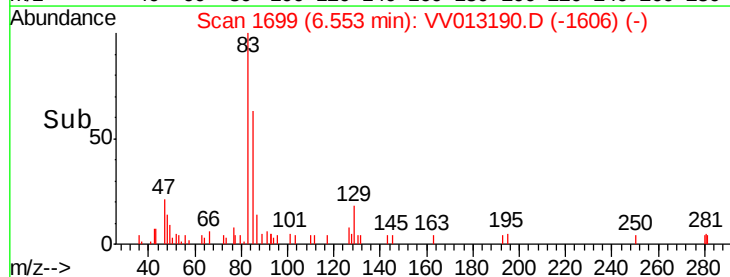
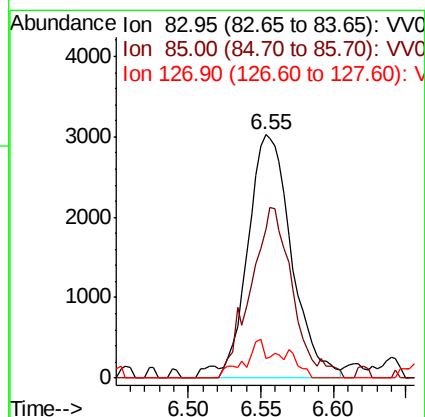
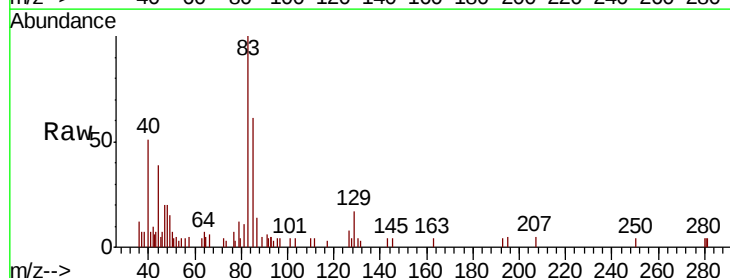
Tgt Ion: 83 Resp: 6398

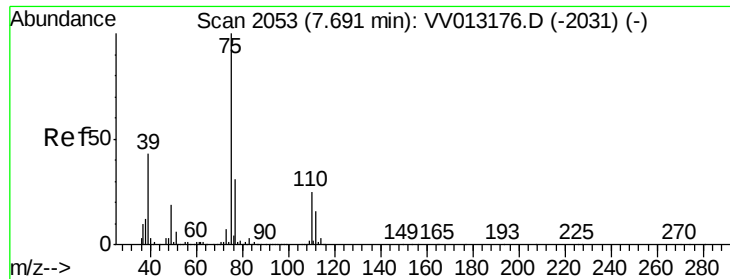
Ion Ratio Lower Upper

83 100

85 61.0 44.0 81.6

127 7.9 7.0 10.6





#44

trans-1,3-Dichloropropene

Concen: 0.091 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV013190.D

Acq: 18 Oct 2019 00:55

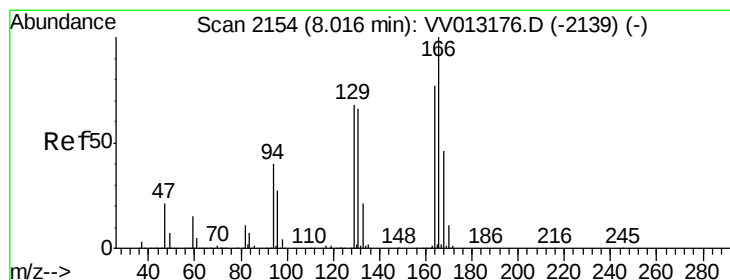
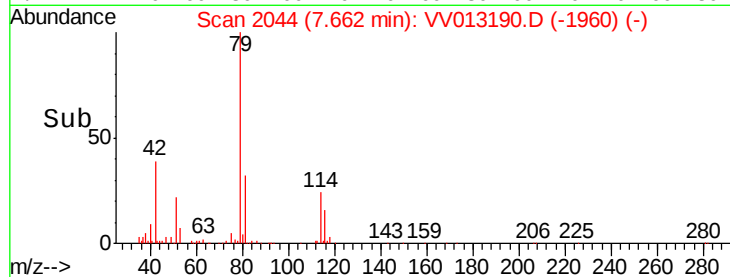
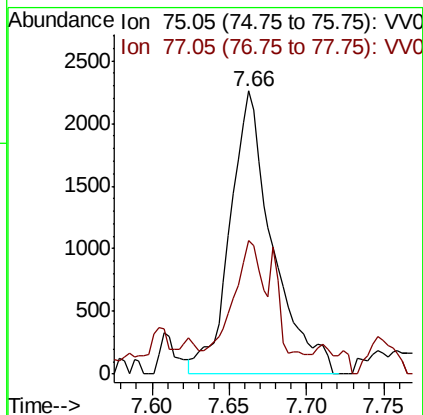
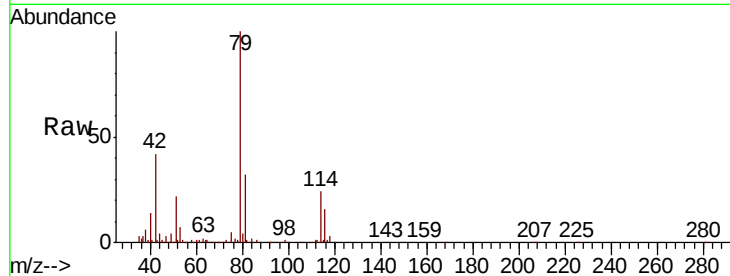
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 75 Resp: 4292

Ion Ratio Lower Upper

75 100

77 47.0 21.8 40.4#



#47

Tetrachloroethene

Concen: 8.594 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013190.D

Acq: 18 Oct 2019 00:55

Tgt Ion: 164 Resp: 366319

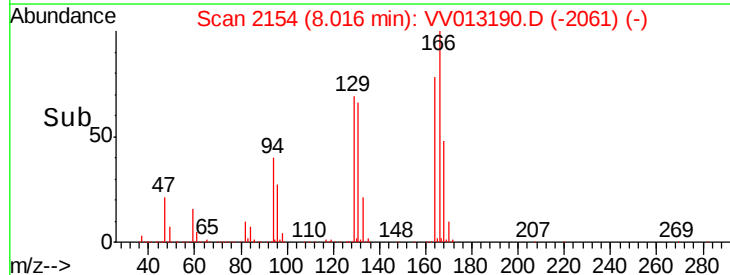
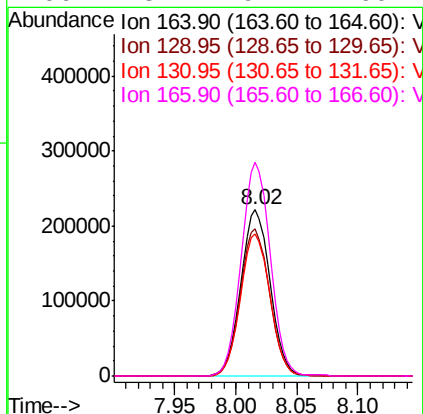
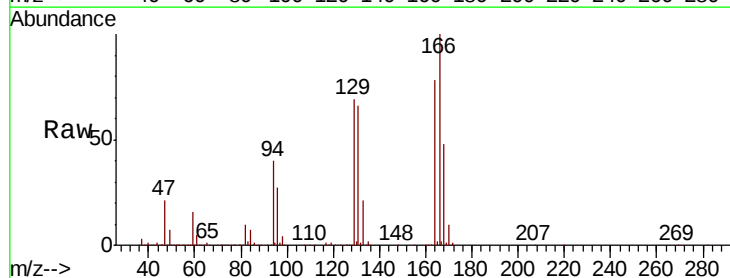
Ion Ratio Lower Upper

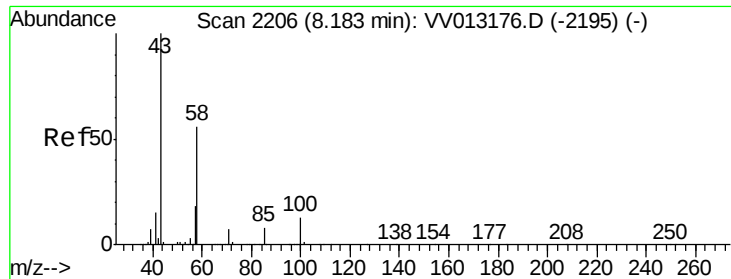
164 100

129 88.5 62.2 115.4

131 85.6 59.9 111.3

166 128.7 91.1 169.1

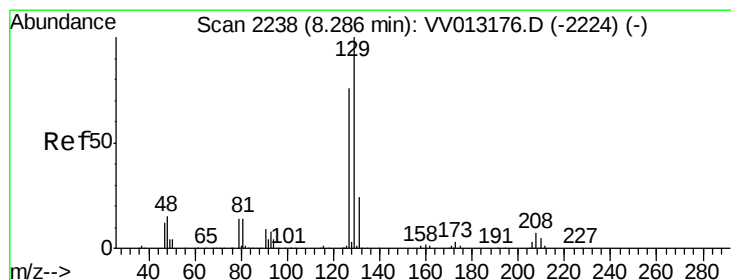
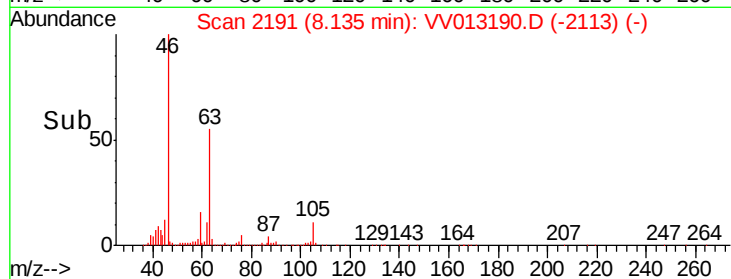
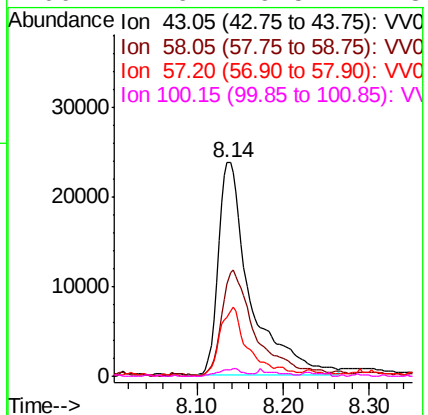
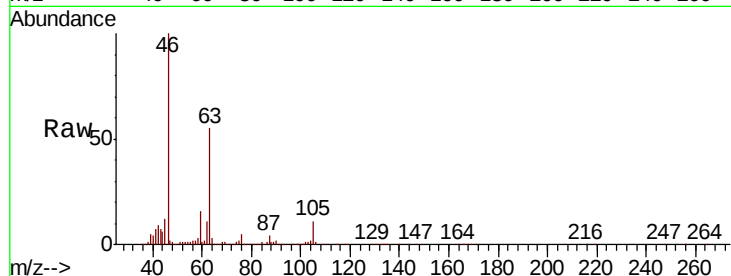




#48
2-Hexanone
Concen: 3.376 ug/L
RT: 8.14 min Scan# 2191
Delta R.T. -0.05 min
Lab File: VV013190.D
Acq: 18 Oct 2019 00:55

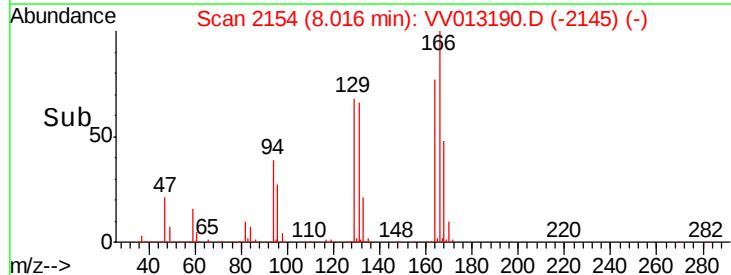
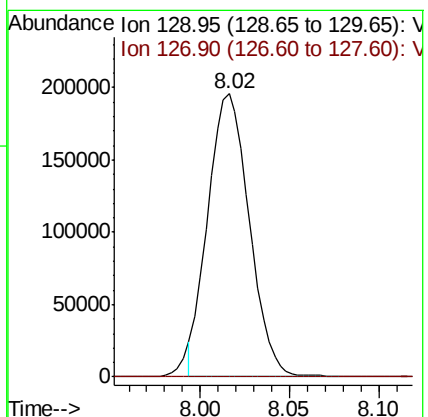
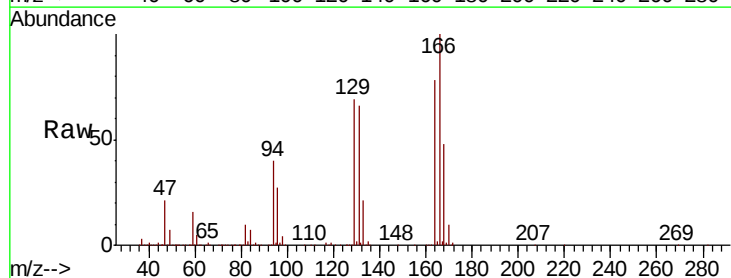
Instrument :
MSVOA_V
ClientSampleId :

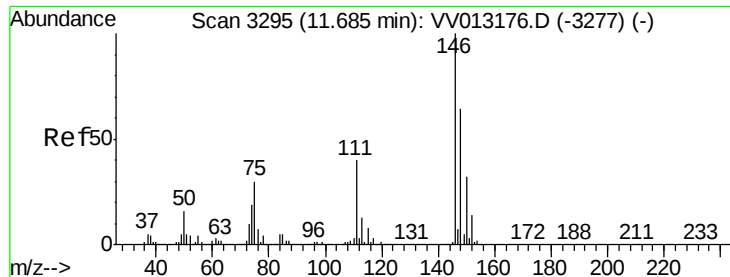
Tot Ion	Ratio	Lower	Upper
43	100		
58	51.1	44.2	66.2
57	27.5	14.5	21.7#
100	2.6	9.5	14.3#



#49
Dibromochloromethane
Concen: 8.256 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.27 min
Lab File: VV013190.D
Acq: 18 Oct 2019 00:55

Tgt Ion	Ratio	Lower	Upper
129	100		
127	0.1	53.2	98.8#





#65

1,2-Dichlorobenzene

Concen: 0.104 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV013190.D

Acq: 18 Oct 2019 00:55

Instrument :

MSVOA_V

ClientSampleId :

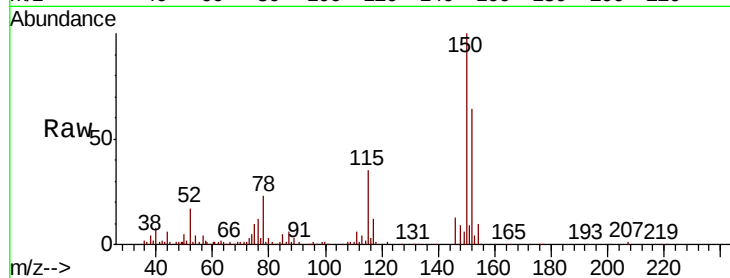
Tot Ion:146 Resp: 7523

Ion Ratio Lower Upper

146 100

111 47.9 31.9 47.9#

148 68.6 51.4 77.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

