

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061919\
 Data File : VV011613.D
 Acq On : 19 Jun 2019 08:56
 Operator : SY/MD
 Sample : K3381-08 200X
 Misc : 25ML/MSVOA V/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFCQ5

Quant Time: Jun 19 10:48:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061419WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jun 19 07:50:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	150079	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	136088	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	53257	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	52793	4.66	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.20%
7) Chloroethane-d5	1.55	69	36418	5.07	ug/L	-0.03
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.40%
11) 1,1-Dichloroethene-d2	2.12	63	146941	6.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	136.20%#
20) 2-Butanone-d5	3.94	46	196822	61.73	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	123.46%
24) Chloroform-d	4.40	84	114378	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.00%
26) 1,2-Dichloroethane-d4	5.08	65	65785	5.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.20%
32) Benzene-d6	5.09	84	219029	5.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.80%
36) 1,2-Dichloropropane-d6	6.12	67	71052	5.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	110.20%
41) Toluene-d8	7.36	98	187097	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.40%
43) trans-1,3-Dichloropropene-	7.66	79	20249	4.72	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.40%
46) 2-Hexanone-d5	8.13	63	145015	58.60	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	117.20%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	53644	5.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	62889	5.92	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	118.40%

Target Compounds

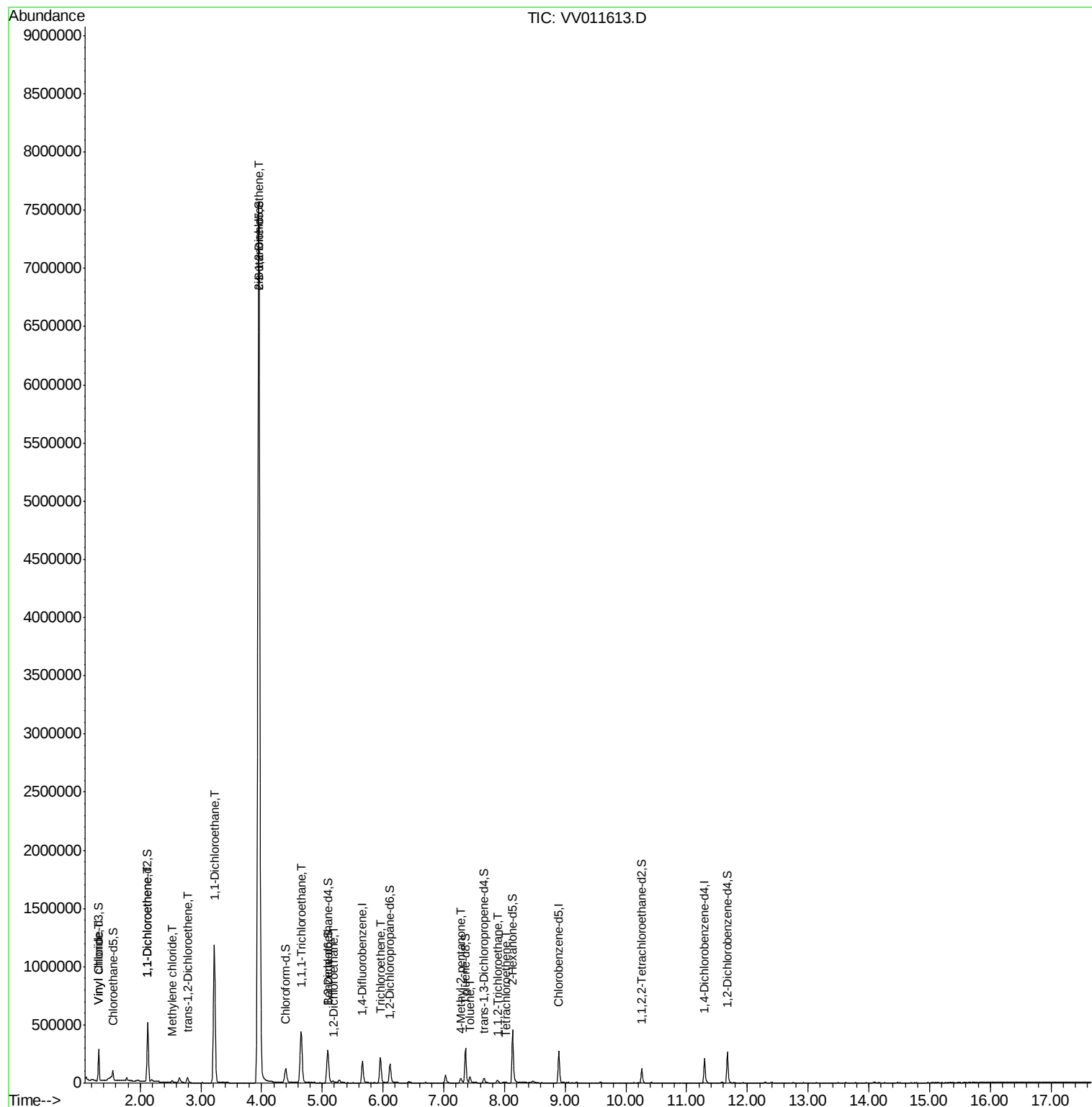
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	115408	8.058	ug/L	99
12) 1,1-Dichloroethene	2.13	96	113476	12.158	ug/L	86
16) Methylene chloride	2.53	84	4919	0.464	ug/L	93
18) trans-1,2-Dichloroethene	2.78	96	15601	1.478	ug/L	100
19) 1,1-Dichloroethane	3.22	63	1163010	53.268	ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	3871111	323.763	ug/L #	96
27) 1,2-Dichloroethane	5.18	62	9599	0.622	ug/L	98
29) 1,1,1-Trichloroethane	4.65	97	331880	19.601	ug/L	99
34) Trichloroethene	5.96	95	73276	6.464	ug/L	97
40) 4-Methyl-2-pentanone	7.28	43	23090	2.738	ug/L #	90
42) Toluene	7.43	91	34553	0.750	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	6615	0.838	ug/L	92
47) Tetrachloroethene	8.02	164	1505	0.186	ug/L	91

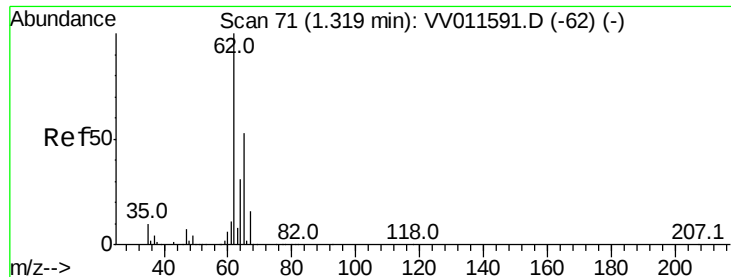
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jun 19 07:50:26 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 8.058 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV011613.D

Acq: 19 Jun 2019 08:56

Instrument :

MSVOA_V

ClientSampled :

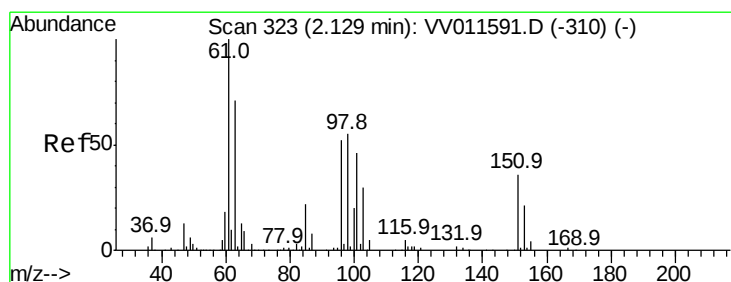
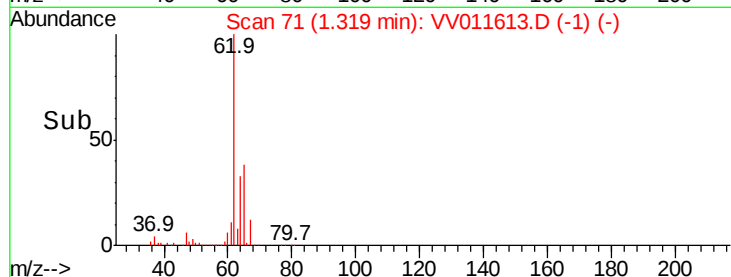
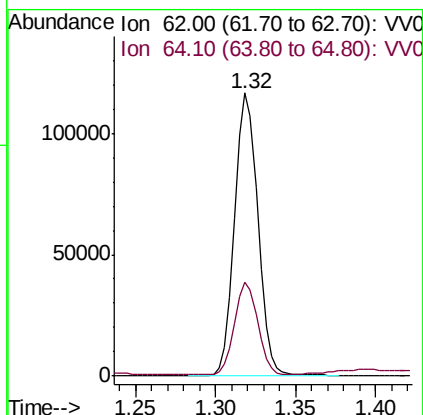
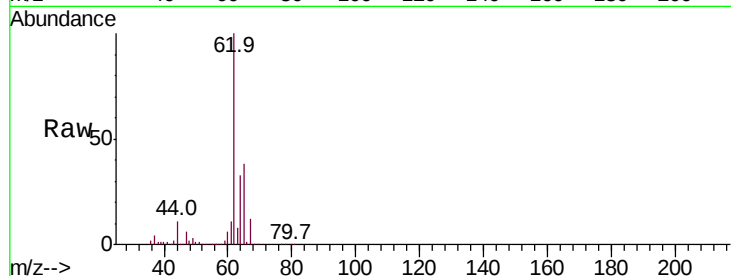
BFCQ5

Tot Ion: 62 Resp: 115408

Ion Ratio Lower Upper

62 100

64 33.2 23.0 42.6



#12

1,1-Dichloroethene

Concen: 12.158 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV011613.D

Acq: 19 Jun 2019 08:56

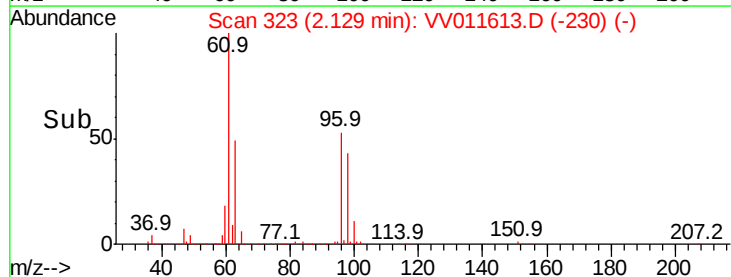
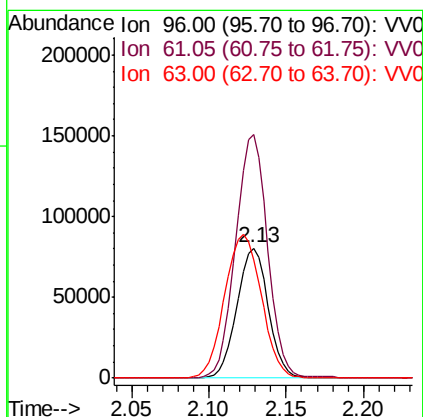
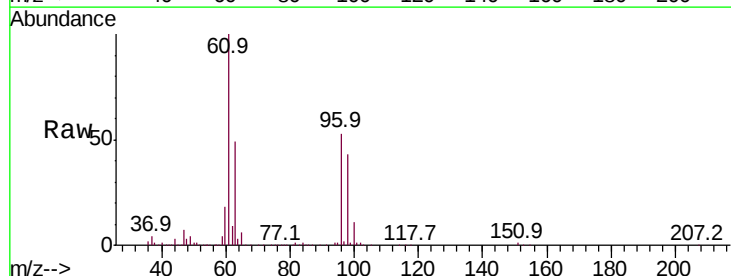
Tgt Ion: 96 Resp: 113476

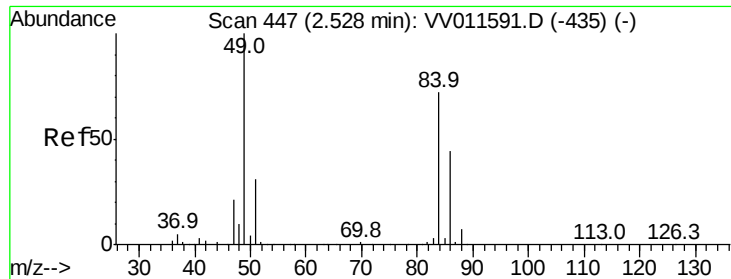
Ion Ratio Lower Upper

96 100

61 187.6 135.9 252.5

63 91.2 86.2 160.2

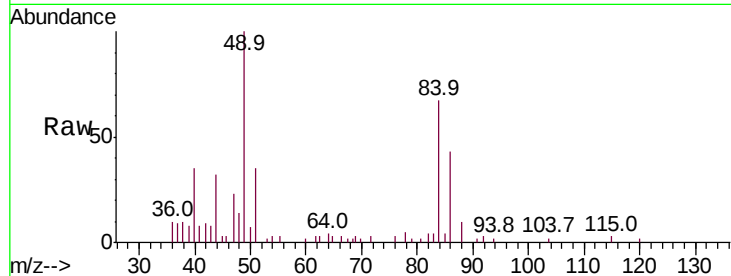




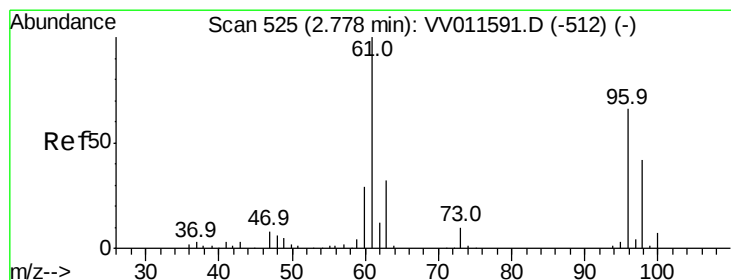
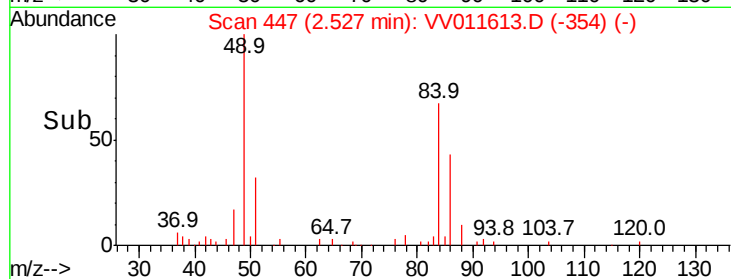
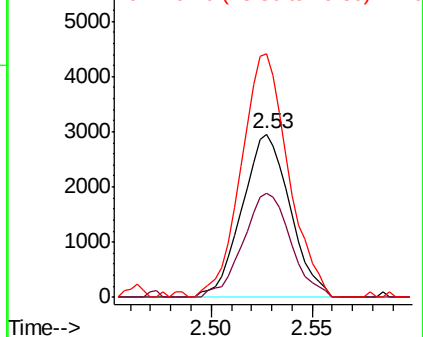
#16
Methvlene chloride
Concen: 0.464 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV011613.D
Acq: 19 Jun 2019 08:56

Instrument :
MSVOA_V
ClientSampleId :
BFCQ5

Tot Ion: 84 Resp: 4919
Ion Ratio Lower Upper
84 100
86 63.5 42.5 78.9
49 149.0 97.7 181.5

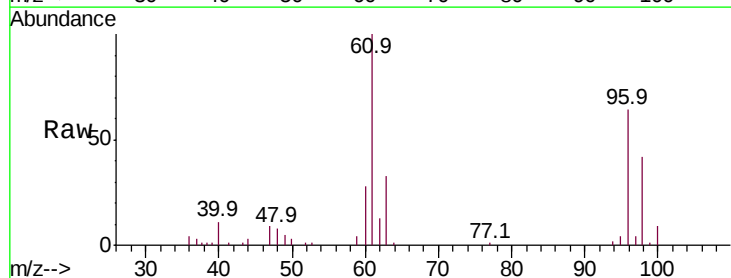


Abundance Ion 84.05 (83.75 to 84.75): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.10 (48.80 to 49.80): VV0

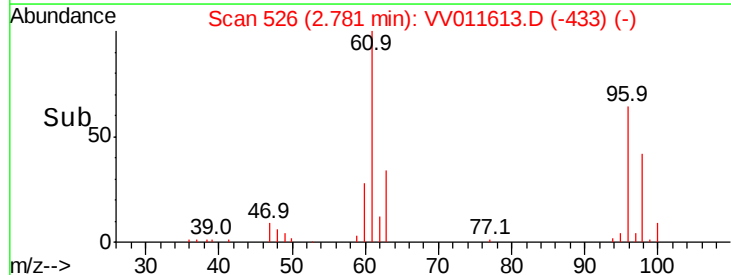
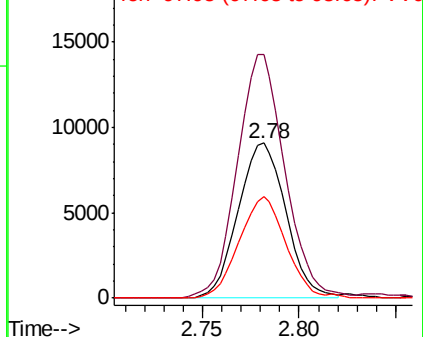


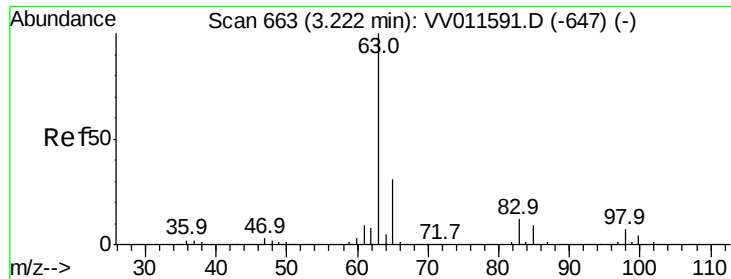
#18
trans-1,2-Dichloroethene
Concen: 1.478 ug/L
RT: 2.78 min Scan# 526
Delta R.T. 0.00 min
Lab File: VV011613.D
Acq: 19 Jun 2019 08:56

Tgt Ion: 96 Resp: 15601
Ion Ratio Lower Upper
96 100
61 157.3 110.0 204.4
98 65.6 45.8 85.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0



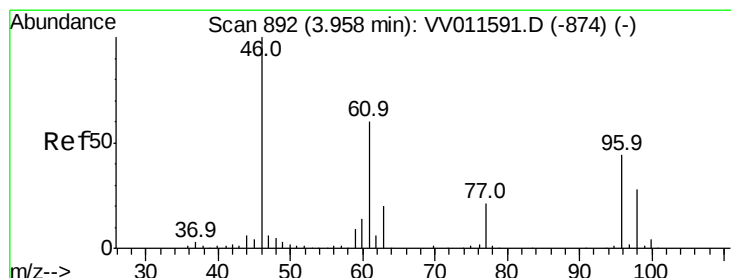
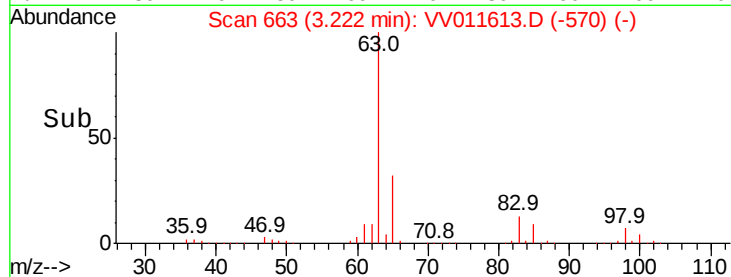
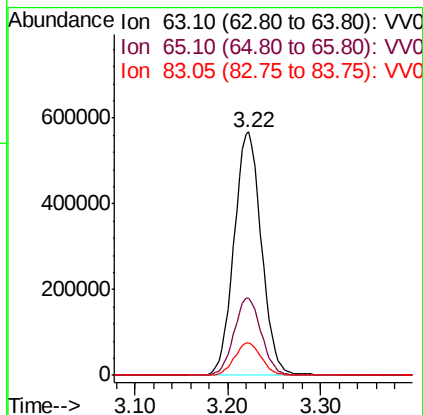
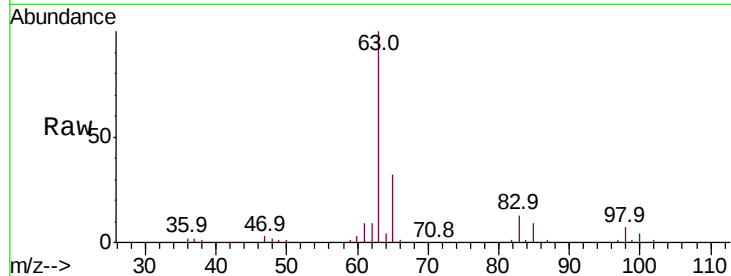


#19
 1,1-Dichloroethane
 Concen: 53.268 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. 0.00 min
 Lab File: VV011613.D
 Acq: 19 Jun 2019 08:56

Instrument :
 MSVOA_V
 ClientSampleId :
 BFCQ5

Tot Ion: 63 Resp: 1163010

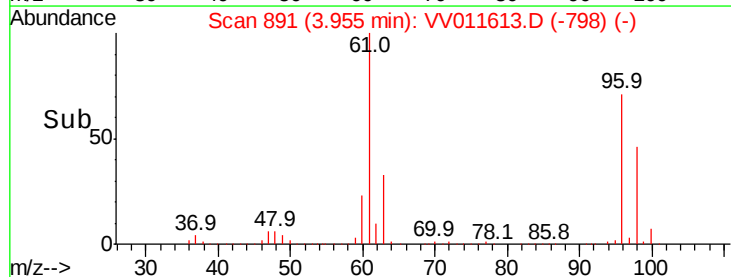
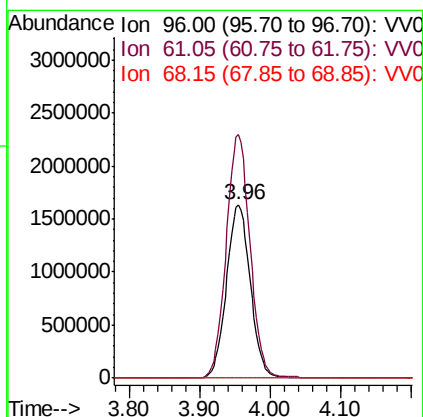
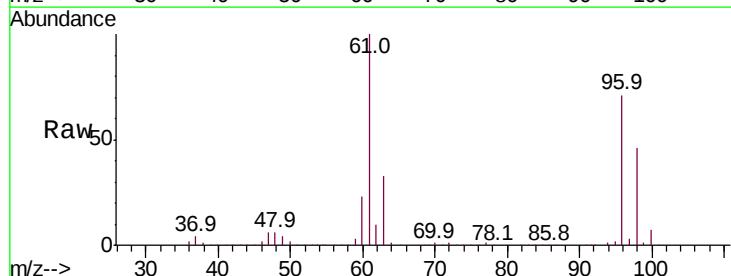
Ion	Ratio	Lower	Upper
63	100		
65	31.9	22.5	41.9
83	13.5	10.1	18.9

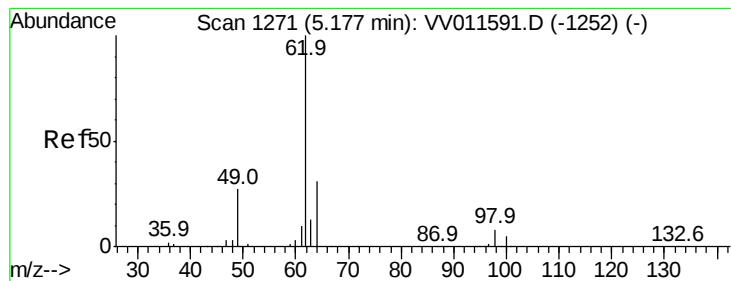


#22
 cis-1,2-Dichloroethene
 Concen: 323.763 ug/L
 RT: 3.96 min Scan# 891
 Delta R.T. 0.00 min
 Lab File: VV011613.D
 Acq: 19 Jun 2019 08:56

Tgt Ion: 96 Resp: 3871111

Ion	Ratio	Lower	Upper
96	100		
61	140.5	102.2	189.8
68	0.0	0.0	0.0#





#27

1,2-Dichloroethane

Concen: 0.622 ug/L

RT: 5.18 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VV011613.D

Acq: 19 Jun 2019 08:56

Instrument :

MSVOA_V

ClientSampleId :

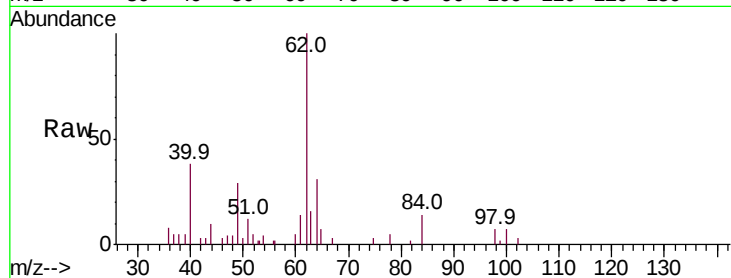
BFCQ5

Tot Ion: 62 Resp: 9599

Ion Ratio Lower Upper

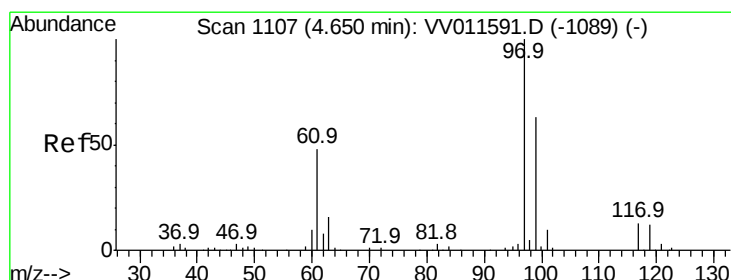
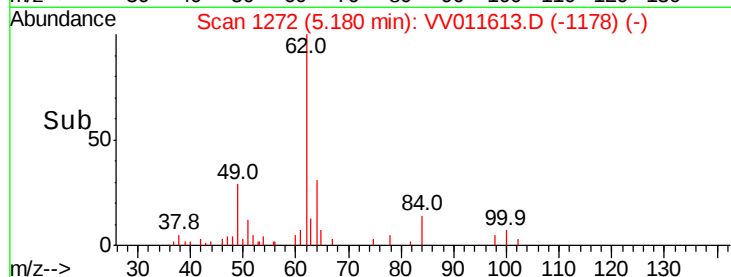
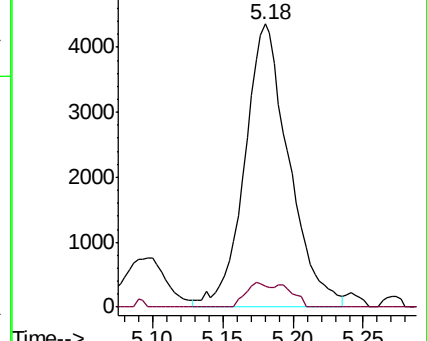
62 100

98 7.4 6.5 9.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.05 (97.75 to 98.75): VV0



#29

1,1,1-Trichloroethane

Concen: 19.601 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VV011613.D

Acq: 19 Jun 2019 08:56

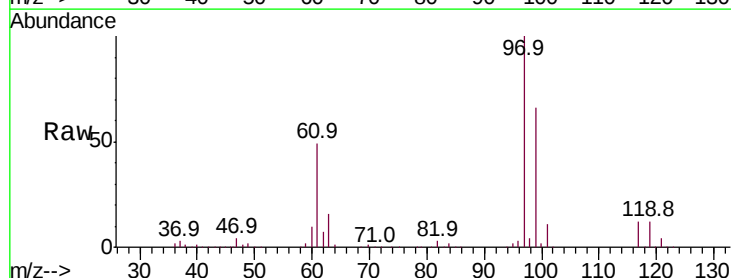
Tgt Ion: 97 Resp: 331880

Ion Ratio Lower Upper

97 100

99 65.6 51.6 77.4

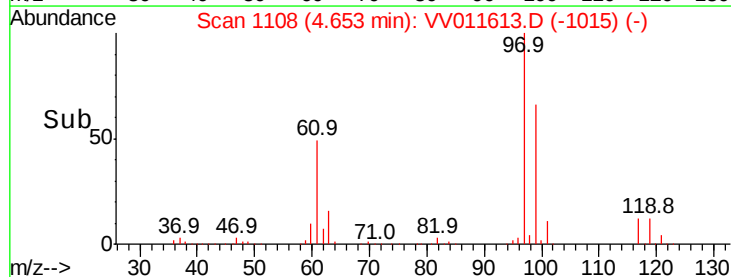
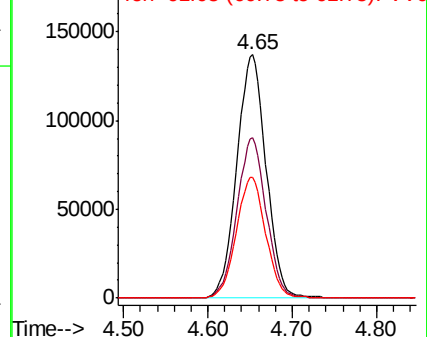
61 49.4 40.4 60.6

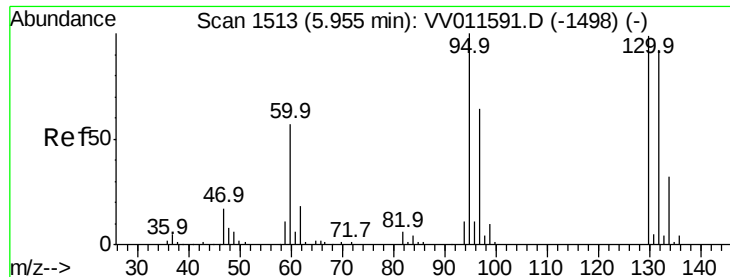


Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0





#34

Trichloroethene

Concen: 6.464 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV011613.D

Acq: 19 Jun 2019 08:56

Instrument :

MSVOA_V

ClientSampleId :

BFCQ5

Tot Ion: 95 Resp: 73276

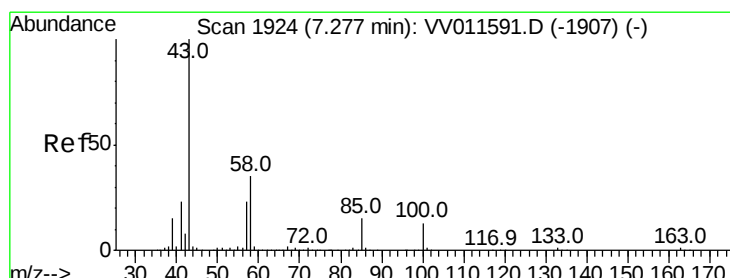
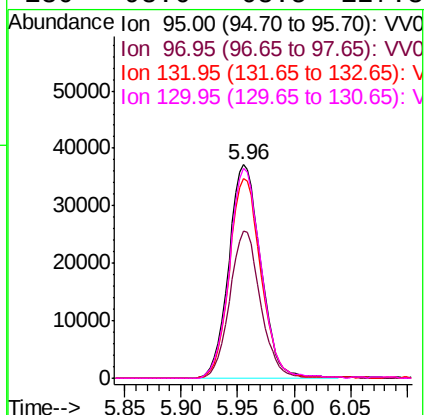
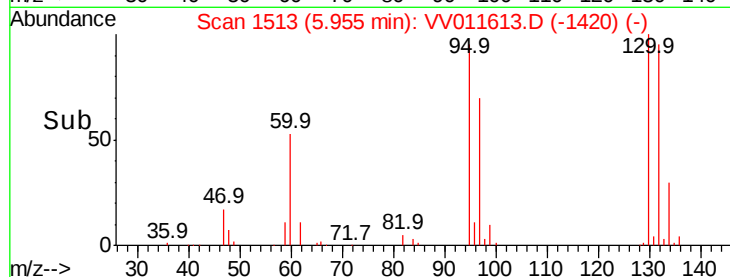
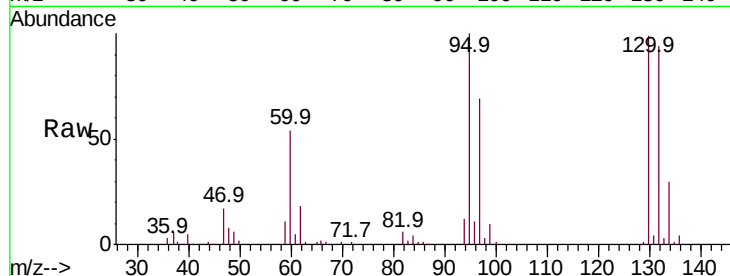
Ion Ratio Lower Upper

95 100

97 68.8 44.4 82.4

132 93.7 63.5 117.9

130 98.6 68.5 127.3



#40

4-Methyl-2-pentanone

Concen: 2.738 ug/L

RT: 7.28 min Scan# 1924

Delta R.T. 0.00 min

Lab File: VV011613.D

Acq: 19 Jun 2019 08:56

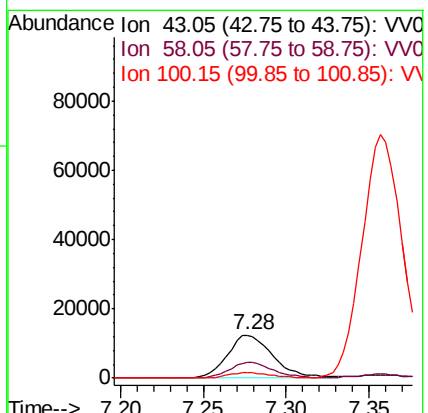
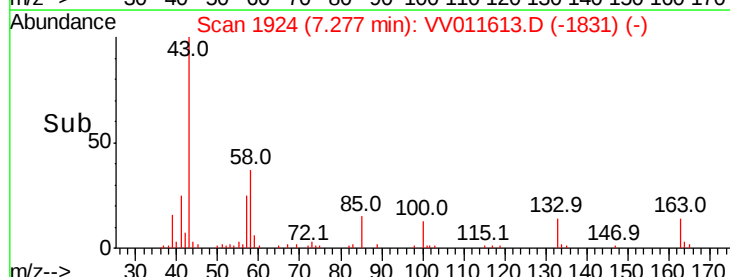
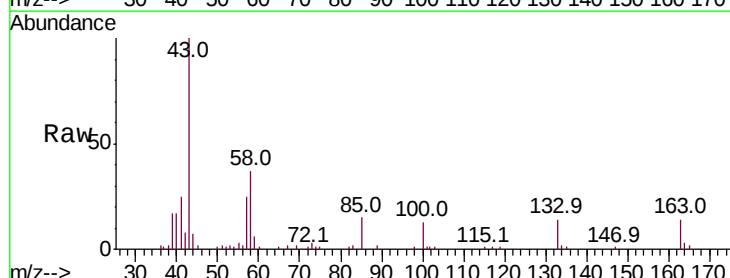
Tgt Ion: 43 Resp: 23090

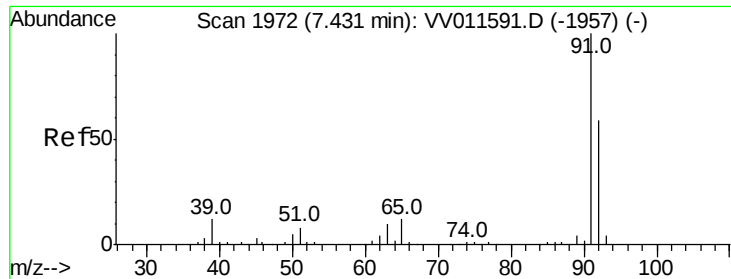
Ion Ratio Lower Upper

43 100

58 36.6 28.7 43.1

100 0.0 10.6 15.8#





#42

Toluene

Concen: 0.750 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV011613.D

Acq: 19 Jun 2019 08:56

Instrument :

MSVOA_V

ClientSampleId :

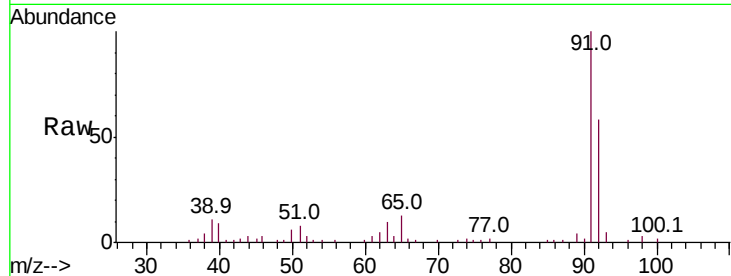
BFCQ5

Tot Ion: 91 Resp: 34553

Ion Ratio Lower Upper

91 100

92 58.1 40.5 75.1



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

20000

15000

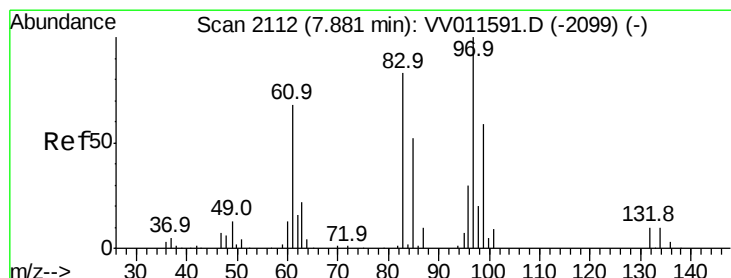
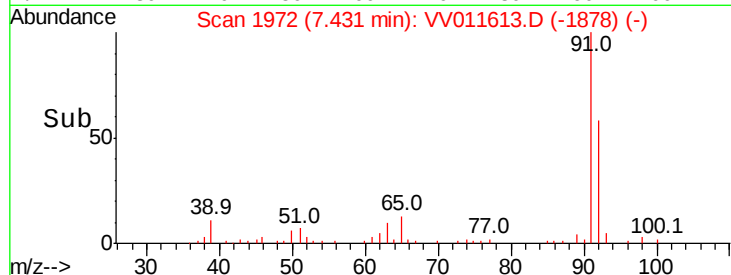
10000

5000

0

7.35 7.40 7.45 7.50

Time-->



#45

1,1,2-Trichloroethane

Concen: 0.838 ug/L

RT: 7.88 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VV011613.D

Acq: 19 Jun 2019 08:56

Tgt Ion: 97 Resp: 6615

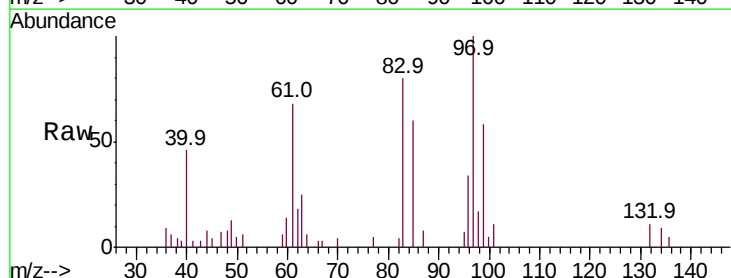
Ion Ratio Lower Upper

97 100

99 58.0 45.4 84.4

83 80.0 60.6 112.6

85 59.8 38.6 71.6



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

6000

5000

4000

3000

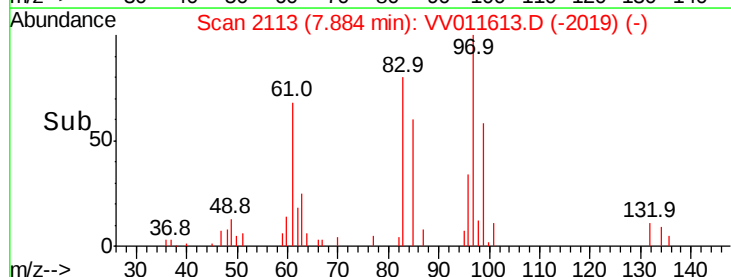
2000

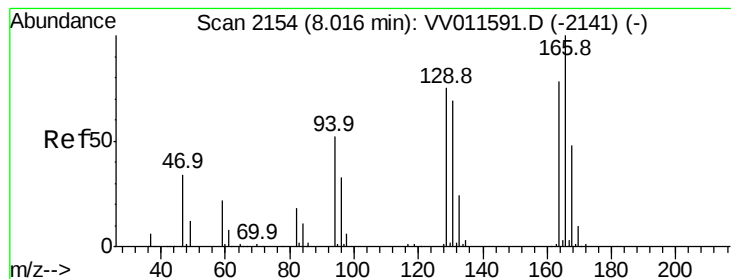
1000

0

7.85 7.90 7.95

Time-->





#47

Tetrachloroethene

Concen: 0.186 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV011613.D

Acq: 19 Jun 2019 08:56

Instrument :
MSVOA_V
ClientSampleId :
BFCQ5

Tot Ion:164 Resp: 1505

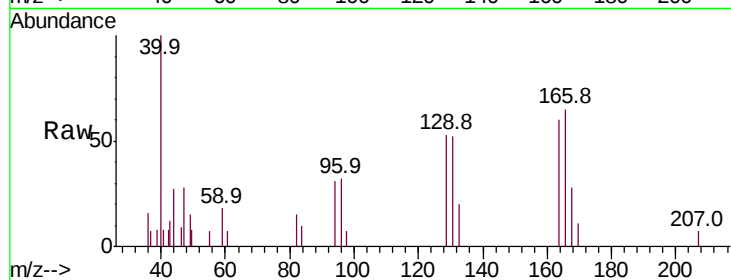
Ion Ratio Lower Upper

164 100

129 88.5 68.8 127.8

131 86.7 63.2 117.4

166 109.3 87.0 161.6



Abundance

Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

