

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090119\
 Data File : VW012455.D
 Acq On : 01 Sep 2019 18:14
 Operator : SY/VA
 Sample : K4516-06RE
 Misc : 6.17G/5ML/MSVOA_W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-S-B4-(2.5)

Quant Time: Sep 02 07:20:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

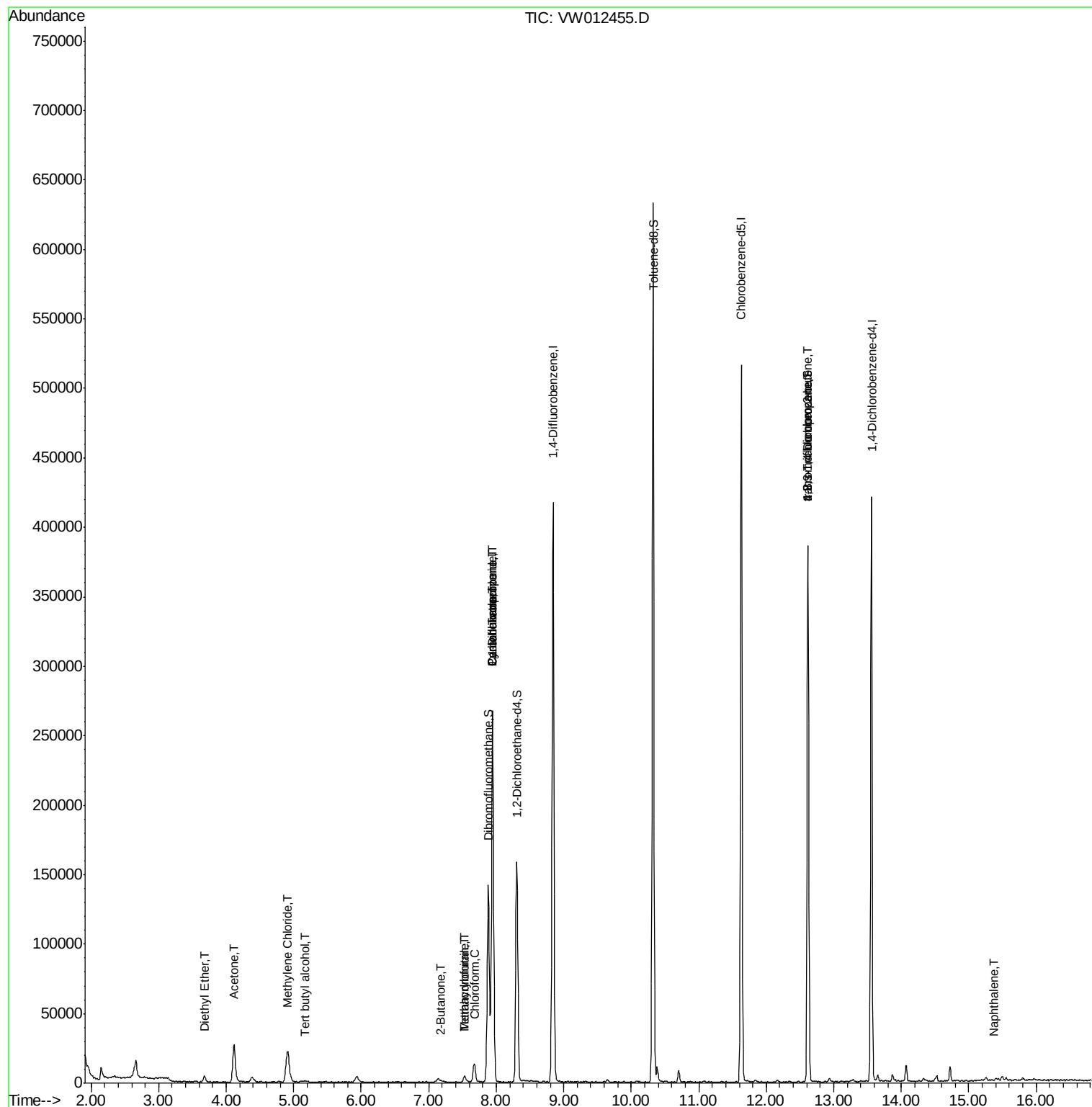
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	188890	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	318249	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	265803	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	104599	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	128924	57.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.84%	
35) Dibromofluoromethane	7.88	113	99821	52.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.10%	
50) Toluene-d8	10.32	98	388966	50.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.00%	
62) 4-Bromofluorobenzene	12.62	95	119872	44.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.30%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.68	74	1878	1.787	ug/l	84
11) Tert butyl alcohol	5.18	59	871	6.446	ug/l #	77
16) Acetone	4.12	43	49009	85.384	ug/l	98
20) Methylene Chloride	4.90	84	17151	7.904	ug/l	94
25) 2-Butanone	7.18	43	865	1.109	ug/l #	64
29) Tetrahydrofuran	7.53	42	3548	7.582	ug/l	92
30) Chloroform	7.67	83	12044	3.220	ug/l	99
31) Cyclohexane	7.94	56	4862	1.202	ug/l #	2
36) 1,1-Dichloropropene	7.95	75	16700	5.078	ug/l #	52
38) Carbon Tetrachloride	7.95	117	19392	6.813	ug/l #	16
41) Methacrylonitrile	7.52	41	2592	2.447	ug/l #	58
76) 1,2,3-Trichloropropane	12.62	75	66028	64.815	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	66028	142.109	ug/l #	6
95) Naphthalene	15.36	128	114	4.347	ug/l #	69

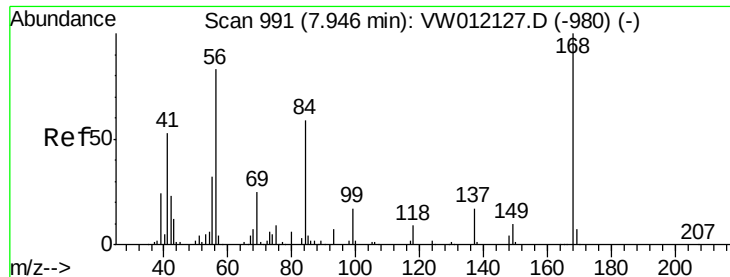
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012455.D

Acq: 01 Sep 2019 18:14

Instrument :

MSVOA_W

ClientSampleId :

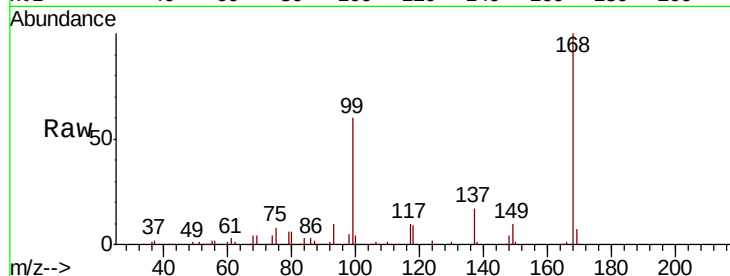
T1-S-B4-(2.5)

Tgt Ion:168 Resp: 188890

Ion Ratio Lower Upper

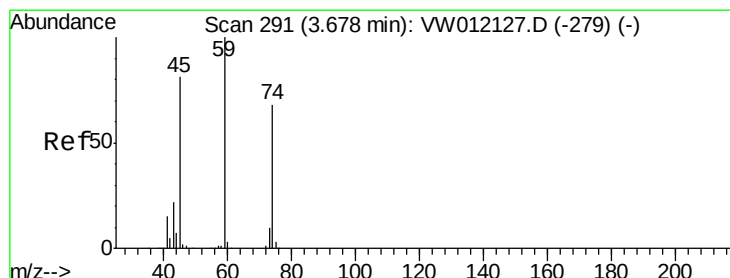
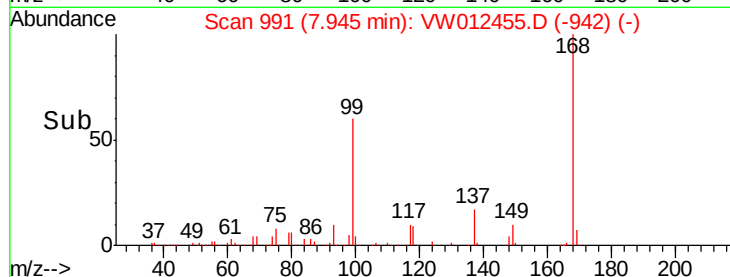
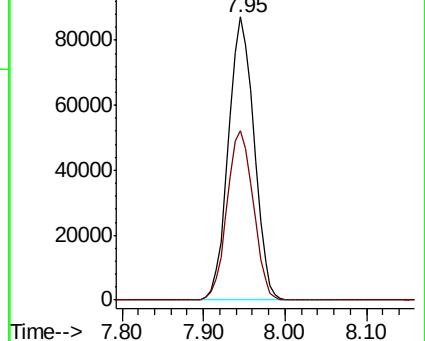
168 100

99 59.9 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.787 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012455.D

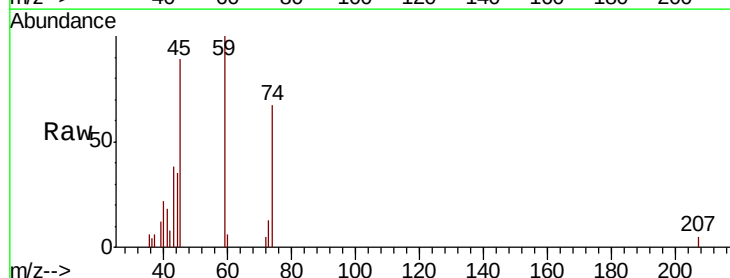
Acq: 01 Sep 2019 18:14

Tgt Ion: 74 Resp: 1878

Ion Ratio Lower Upper

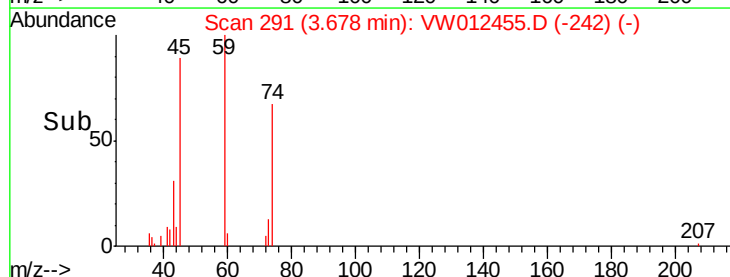
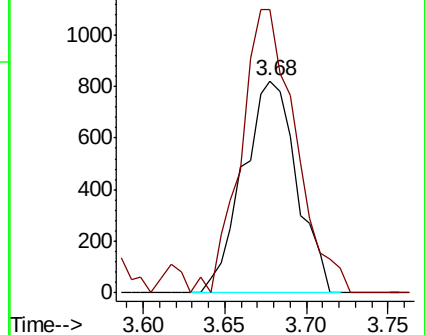
74 100

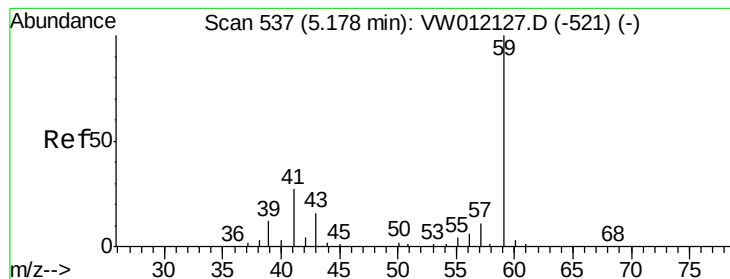
45 136.6 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#11

Tert butyl alcohol

Concen: 6.446 ug/l

RT: 5.18 min Scan# 537

Delta R.T. -0.00 min

Lab File: VW012455.D

Acq: 01 Sep 2019 18:14

Instrument :

MSVOA_W

ClientSampled :

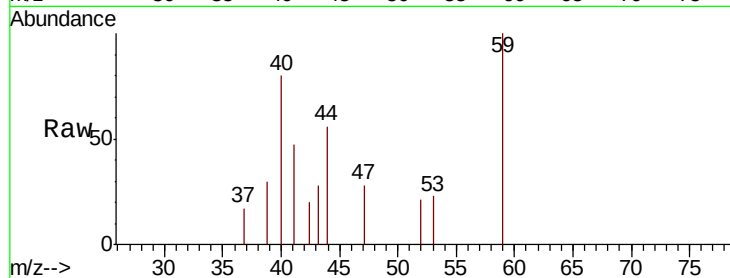
T1-S-B4-(2.5)

Tgt Ion: 59 Resp: 871

Ion Ratio Lower Upper

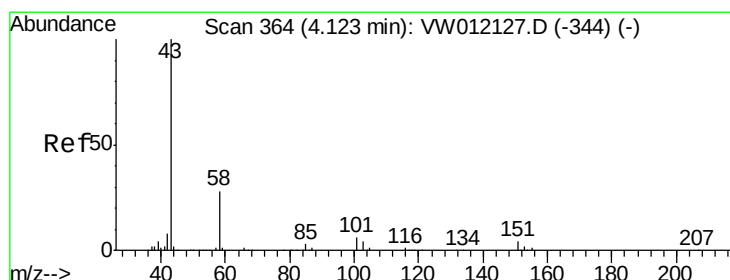
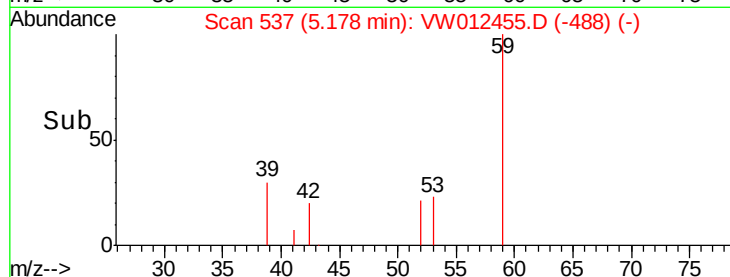
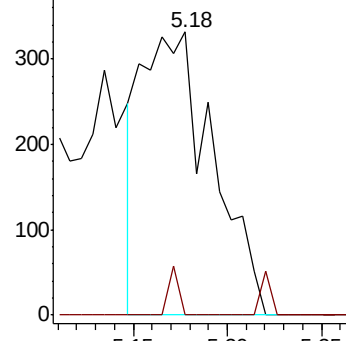
59 100

57 2.4 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#16

Acetone

Concen: 85.384 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW012455.D

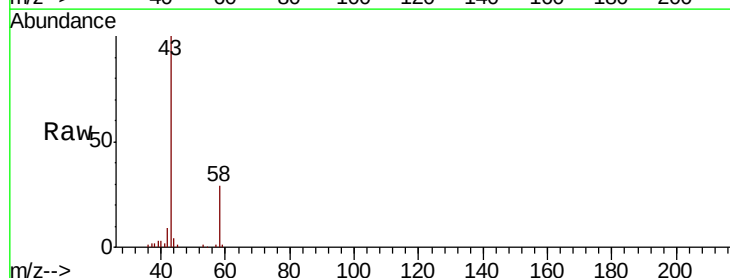
Acq: 01 Sep 2019 18:14

Tgt Ion: 43 Resp: 49009

Ion Ratio Lower Upper

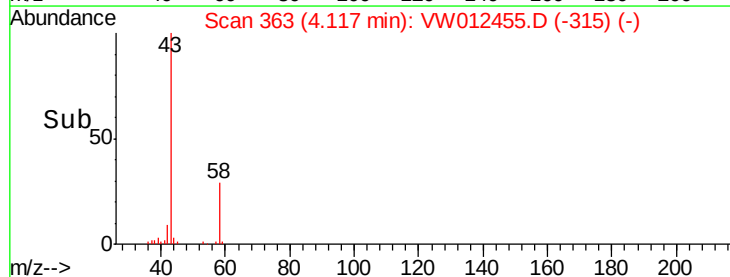
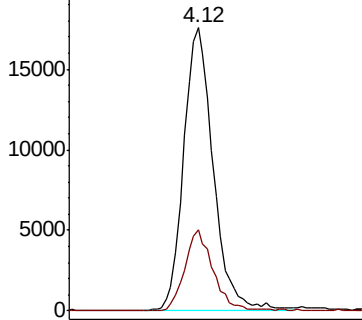
43 100

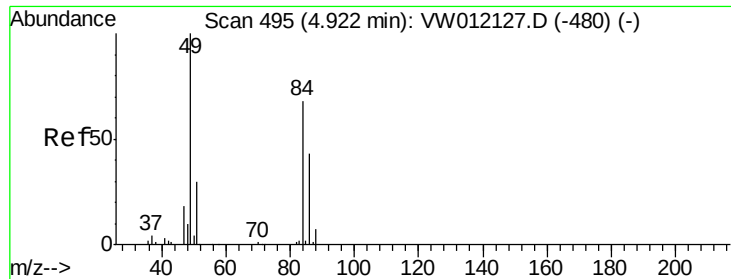
58 28.9 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

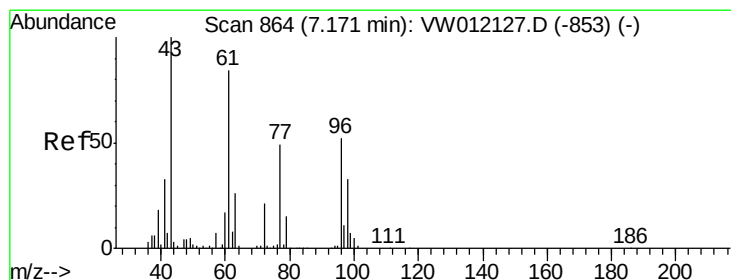
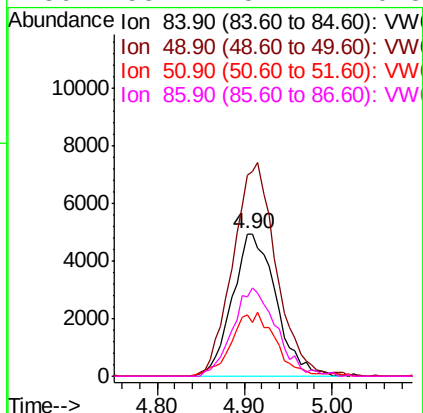
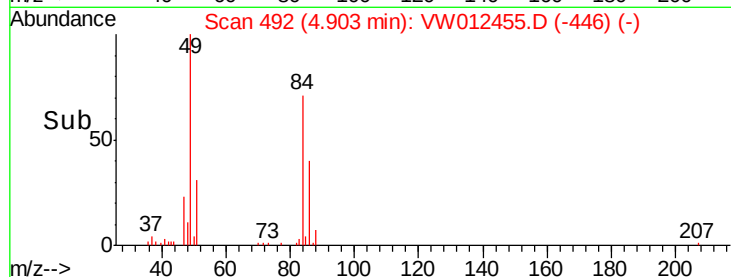
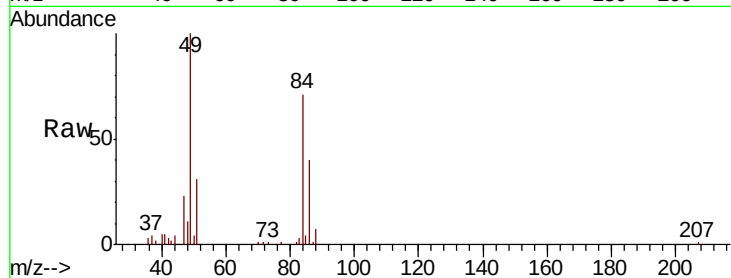




#20
Methylene Chloride
Concen: 7.904 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.02 min
Lab File: VW012455.D
Acq: 01 Sep 2019 18:14

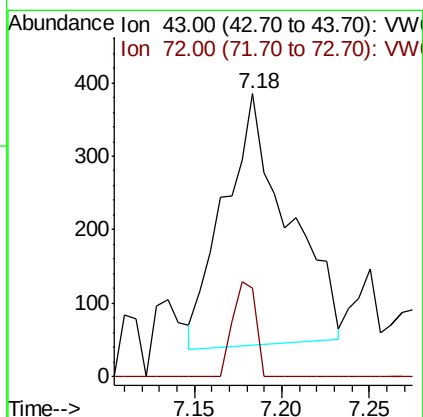
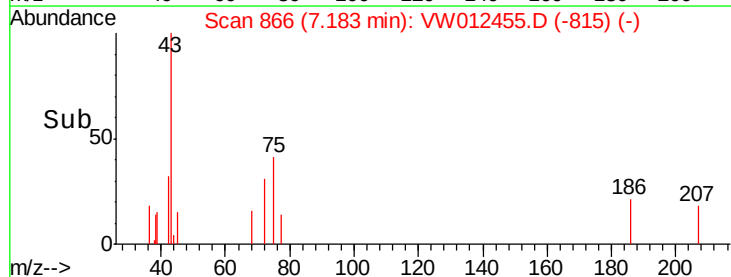
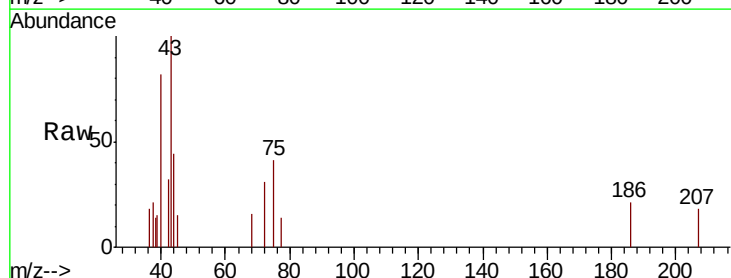
Instrument :
MSVOA_W
ClientSampleId :
T1-S-B4-(2.5)

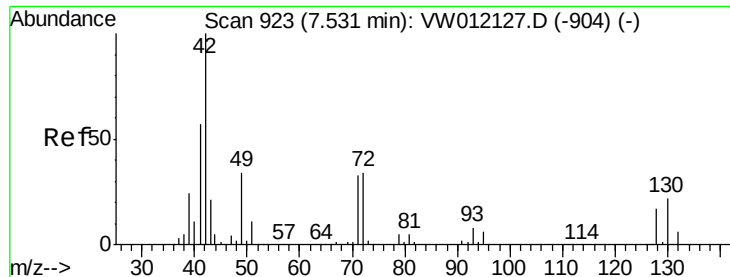
Tgt Ion: 84 Resp: 17151
Ion Ratio Lower Upper
84 100
49 140.9 117.8 176.8
51 43.1 35.6 53.4
86 55.7 51.2 76.8



#25
2-Butanone
Concen: 1.109 ug/l
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW012455.D
Acq: 01 Sep 2019 18:14

Tgt Ion: 43 Resp: 865
Ion Ratio Lower Upper
43 100
72 37.4 16.6 24.8#





#29

Tetrahydrofuran

Concen: 7.582 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW012455.D

Acq: 01 Sep 2019 18:14

Instrument :

MSVOA_W

ClientSampleId :

T1-S-B4-(2.5)

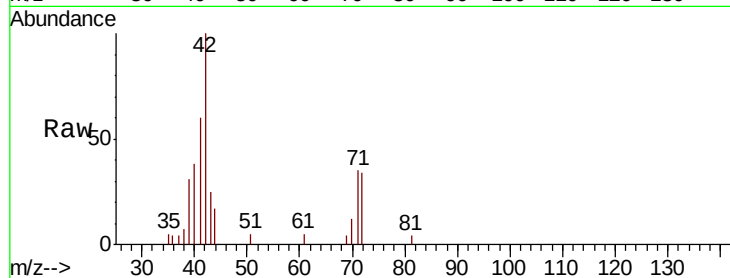
Tgt Ion: 42 Resp: 3548

Ion Ratio Lower Upper

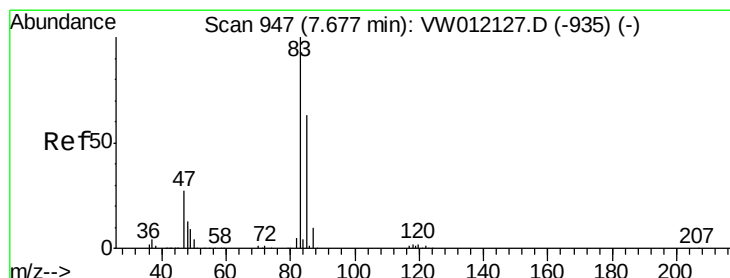
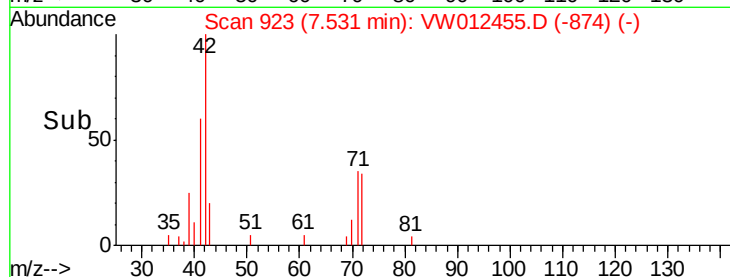
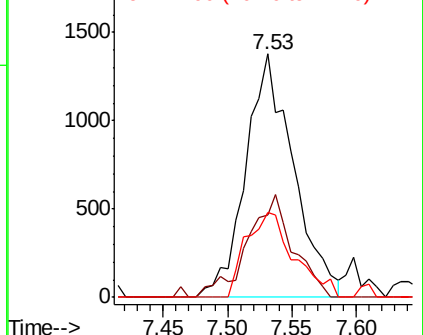
42 100

72 40.2 27.3 40.9

71 35.1 25.5 38.3



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 3.220 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW012455.D

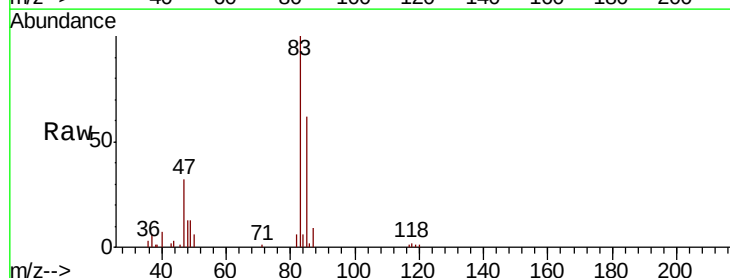
Acq: 01 Sep 2019 18:14

Tgt Ion: 83 Resp: 12044

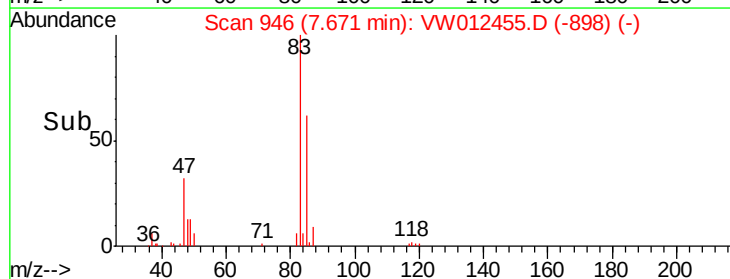
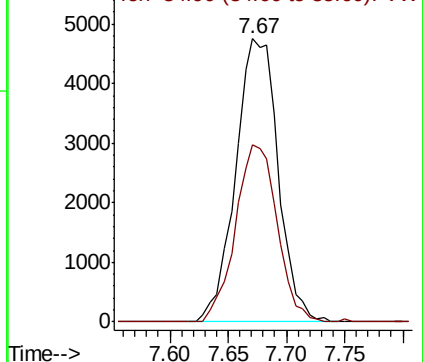
Ion Ratio Lower Upper

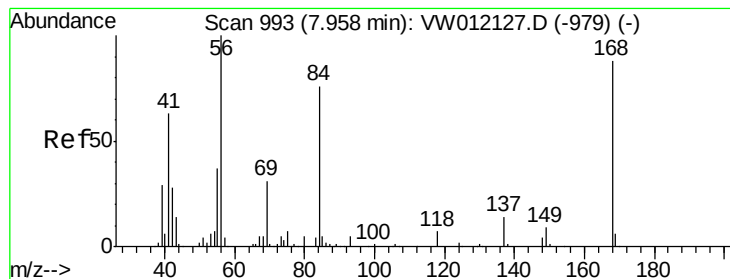
83 100

85 62.5 50.6 76.0



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 1.202 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

Lab File: VW012455.D

Acq: 01 Sep 2019 18:14

Instrument :

MSVOA_W

ClientSampleId :

T1-S-B4-(2.5)

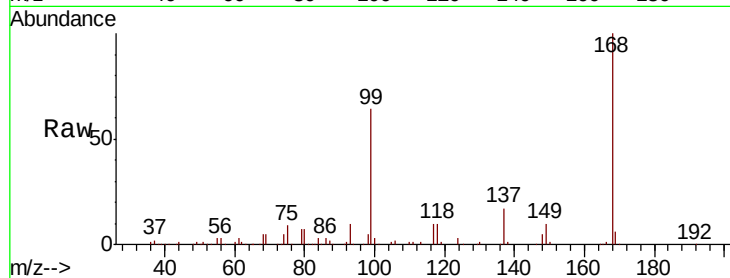
Tgt Ion: 56 Resp: 4862

Ion Ratio Lower Upper

56 100

69 158.5 24.9 37.3#

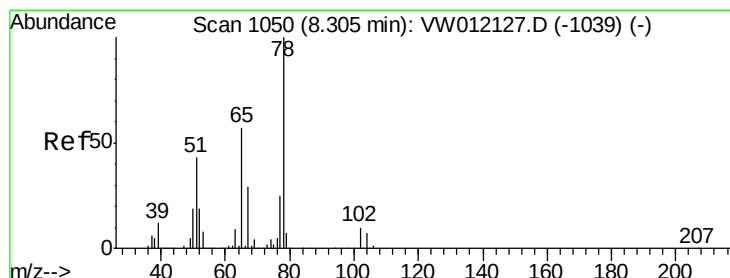
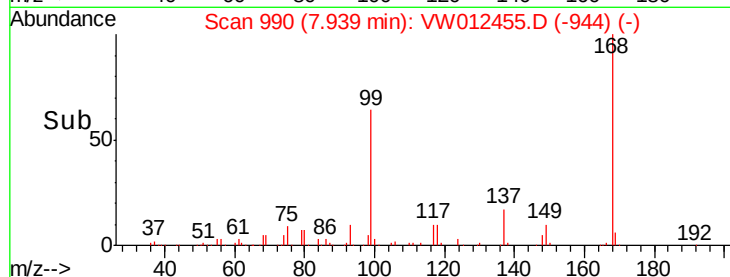
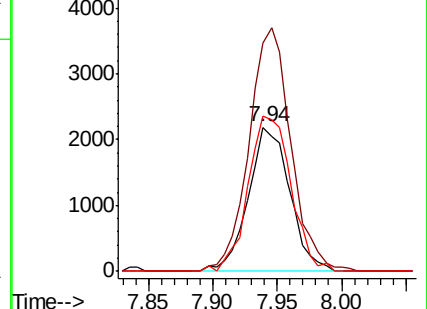
84 112.9 60.6 90.8#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 57.416 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012455.D

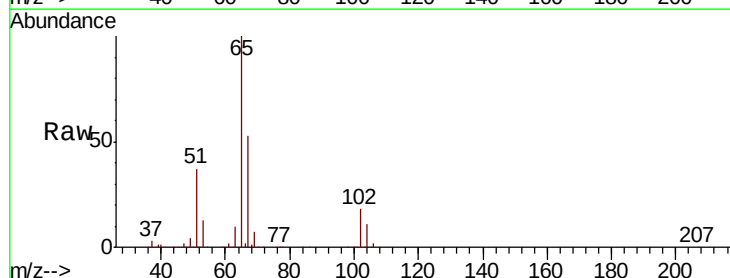
Acq: 01 Sep 2019 18:14

Tgt Ion: 65 Resp: 128924

Ion Ratio Lower Upper

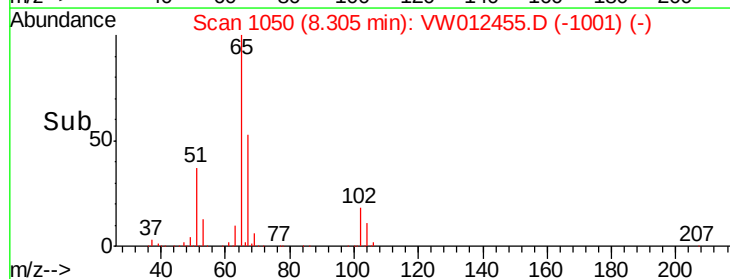
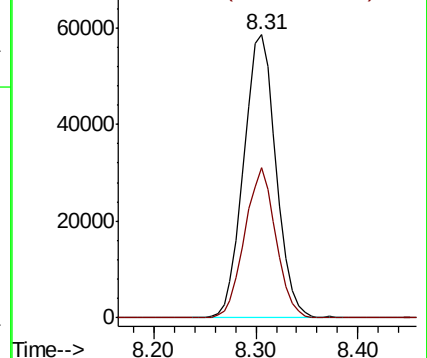
65 100

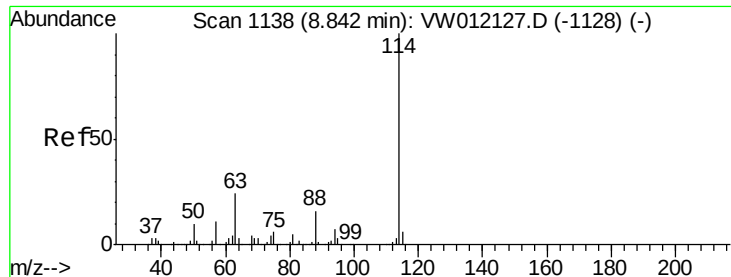
67 51.1 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

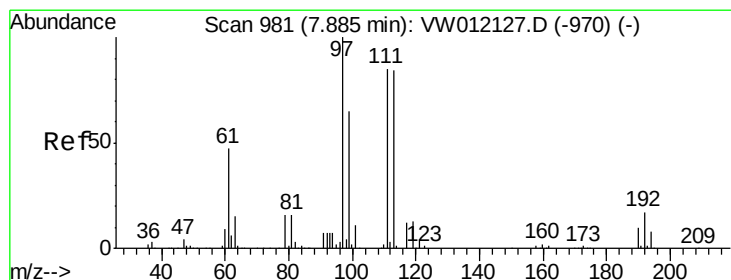
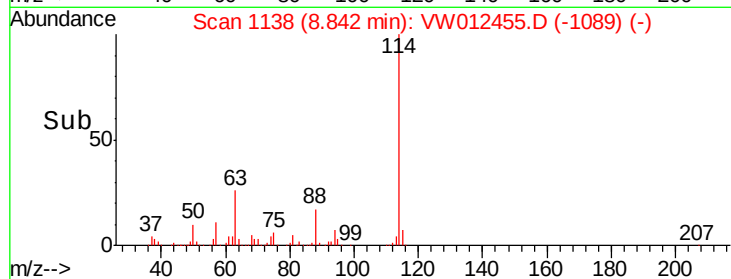
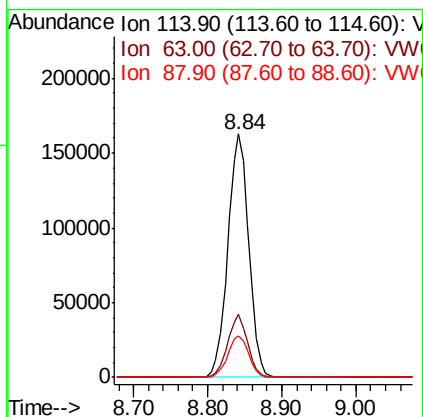
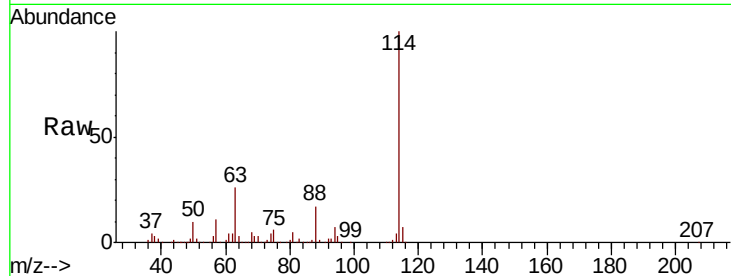




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012455.D
 Acq: 01 Sep 2019 18:14

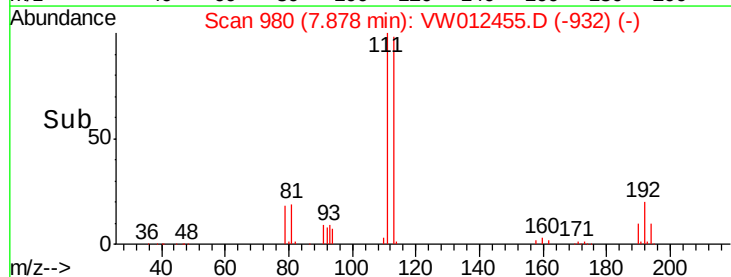
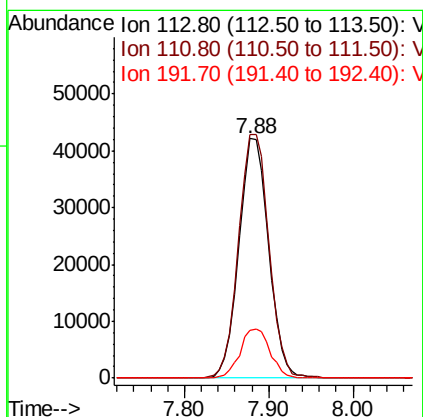
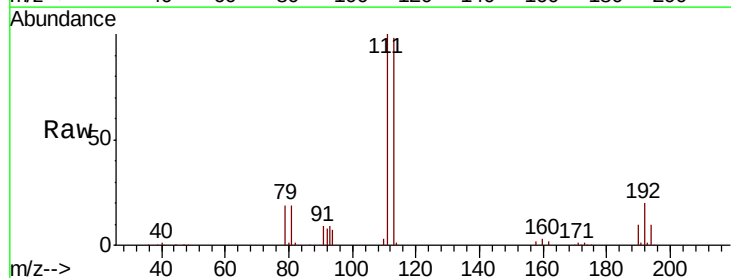
Instrument :
 MSVOA_W
 ClientSampleId :
 T1-S-B4-(2.5)

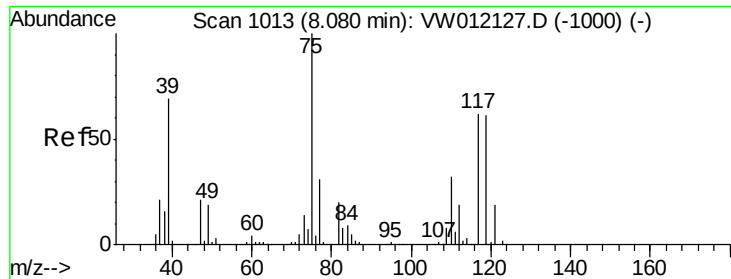
Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.7	0.0	48.6
88	17.0	0.0	32.2



#35
 Dibromofluoromethane
 Concen: 52.547 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012455.D
 Acq: 01 Sep 2019 18:14

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.3	82.7	124.1
192	20.6	16.2	24.2

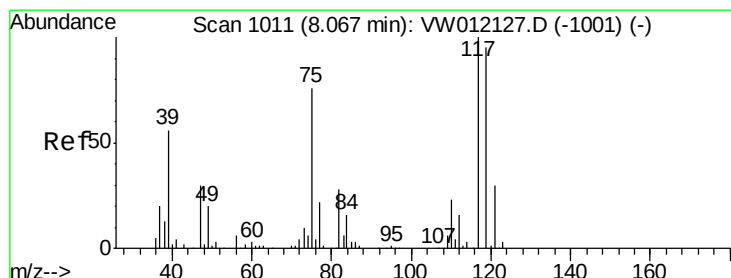
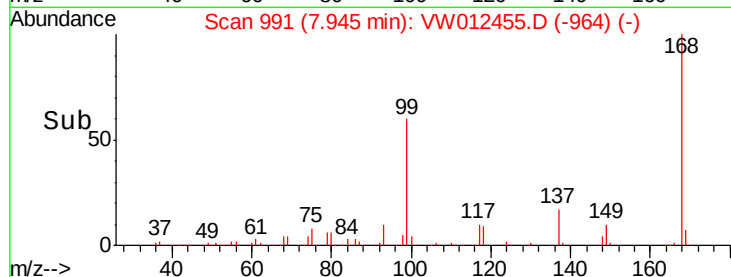
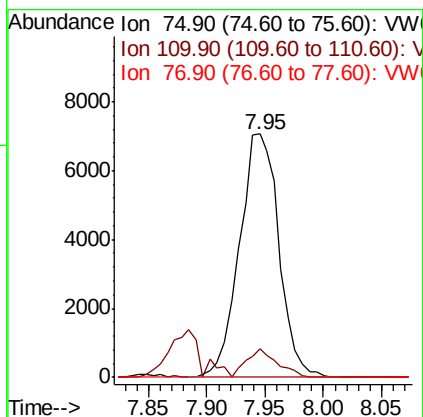
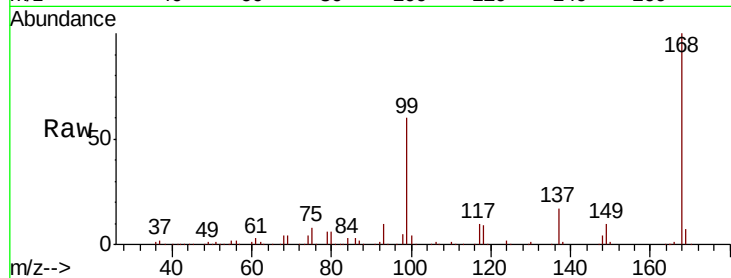




#36
 1,1-Dichloropropene
 Concen: 5.078 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012455.D
 Acq: 01 Sep 2019 18:14

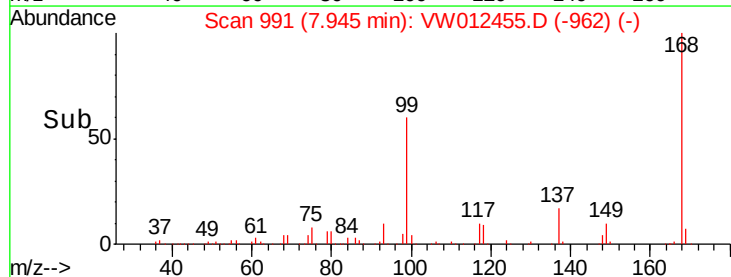
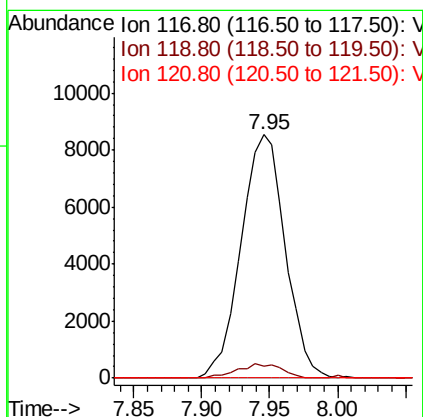
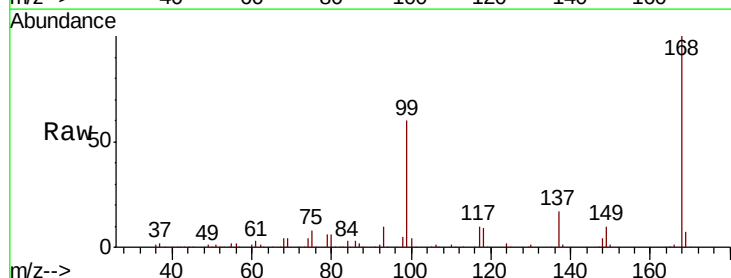
Instrument :
 MSVOA_W
 ClientSampleId :
 T1-S-B4-(2.5)

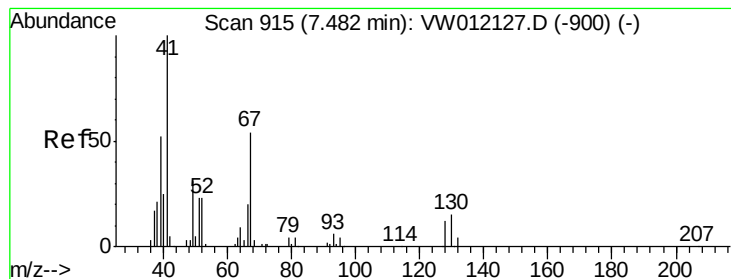
Tgt Ion: 75 Resp: 16700
 Ion Ratio Lower Upper
 75 100
 110 9.1 15.6 46.8#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.813 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012455.D
 Acq: 01 Sep 2019 18:14

Tgt Ion: 117 Resp: 19392
 Ion Ratio Lower Upper
 117 100
 119 4.7 76.2 114.2#
 121 0.0 23.8 35.8#





#41

Methacrylonitrile

Concen: 2.447 ug/l

RT: 7.52 min Scan# 922

Delta R.T. 0.04 min

Lab File: VW012455.D

Acq: 01 Sep 2019 18:14

Instrument :

MSVOA_W

ClientSampleId :

T1-S-B4-(2.5)

Tgt Ion: 41 Resp: 2592

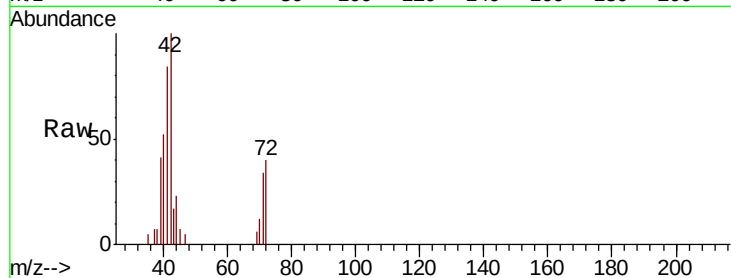
Ion Ratio Lower Upper

41 100

39 56.1 45.8 68.8

67 0.0 46.2 69.4#

52 0.0 21.0 31.6#

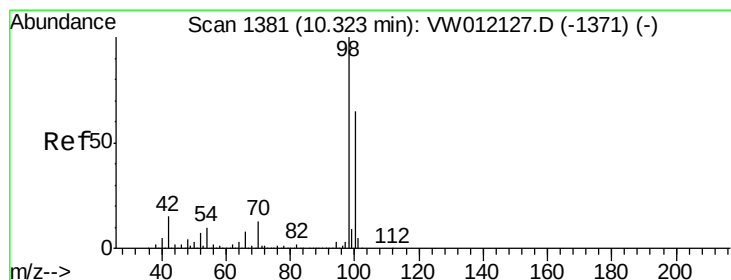
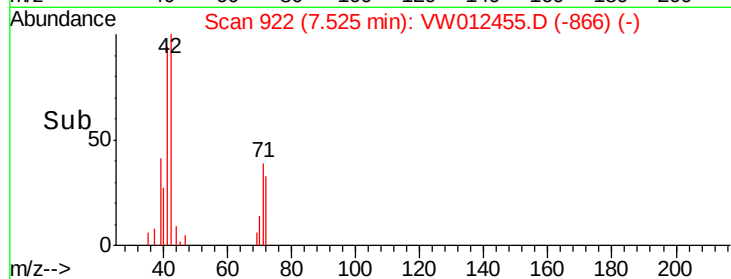
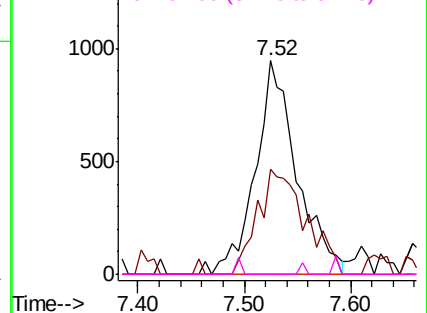


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#50

Toluene-d8

Concen: 50.499 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012455.D

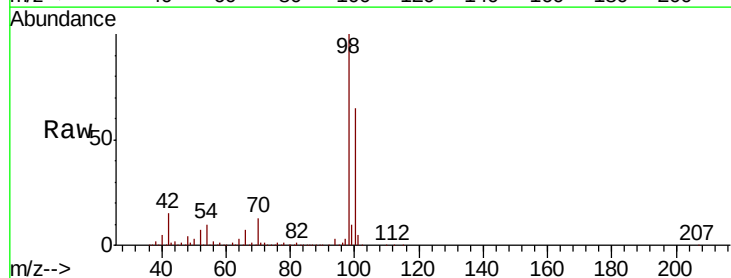
Acq: 01 Sep 2019 18:14

Tgt Ion: 98 Resp: 388966

Ion Ratio Lower Upper

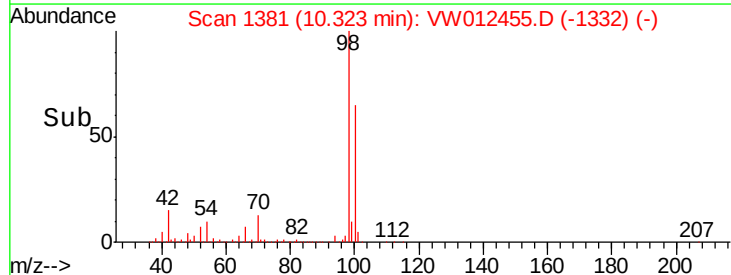
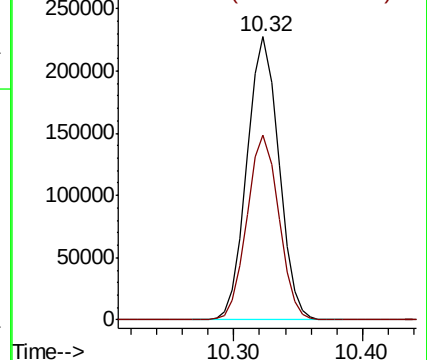
98 100

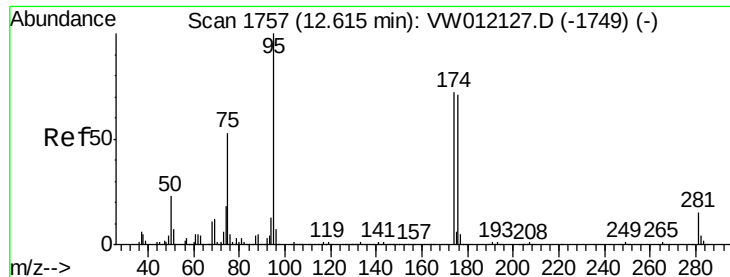
100 65.3 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 44.150 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012455.D

Acq: 01 Sep 2019 18:14

Instrument :

MSVOA_W

ClientSampleId :

T1-S-B4-(2.5)

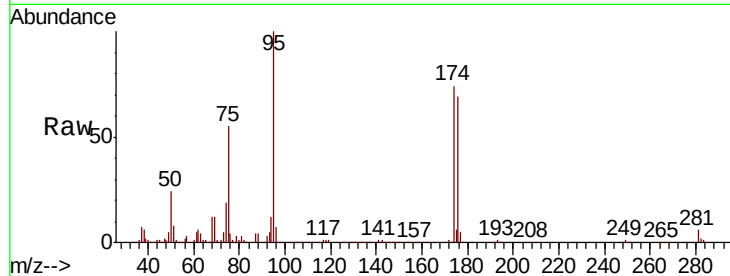
Tgt Ion: 95 Resp: 119872

Ion Ratio Lower Upper

95 100

174 78.5 0.0 150.8

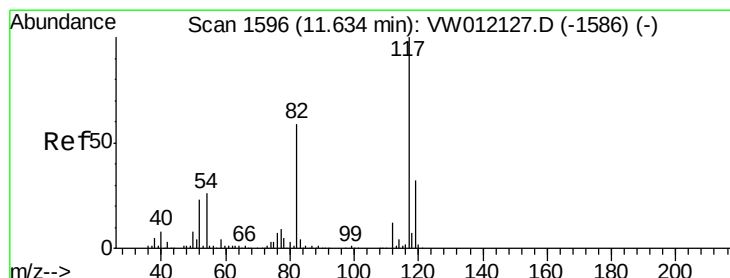
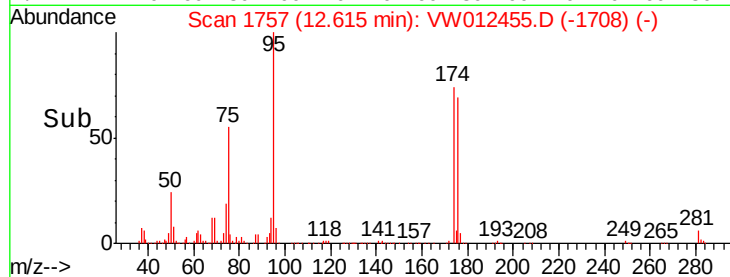
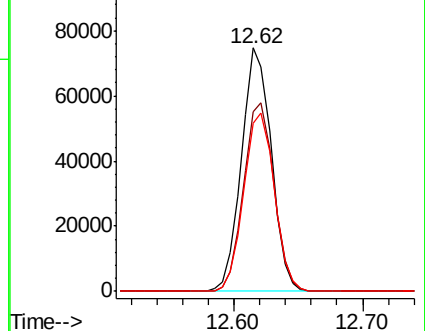
176 75.1 0.0 148.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW012455.D

Acq: 01 Sep 2019 18:14

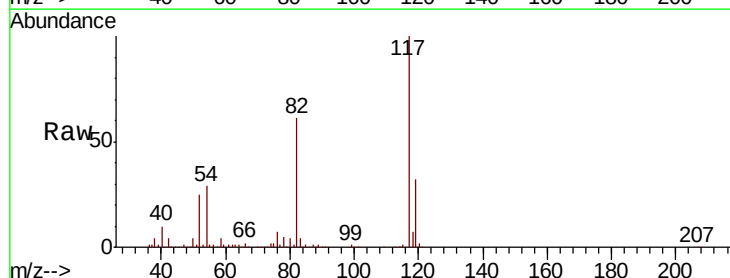
Tgt Ion: 117 Resp: 265803

Ion Ratio Lower Upper

117 100

82 61.4 47.4 71.2

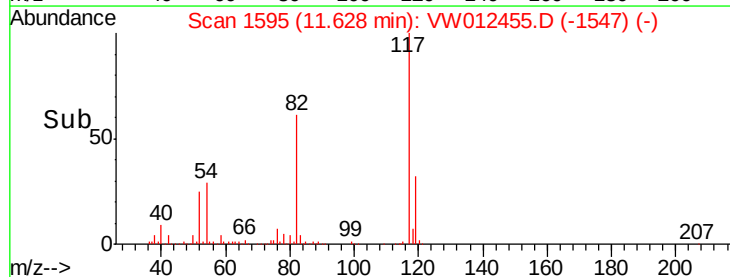
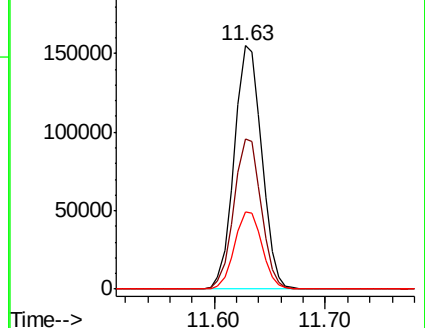
119 31.8 25.4 38.2

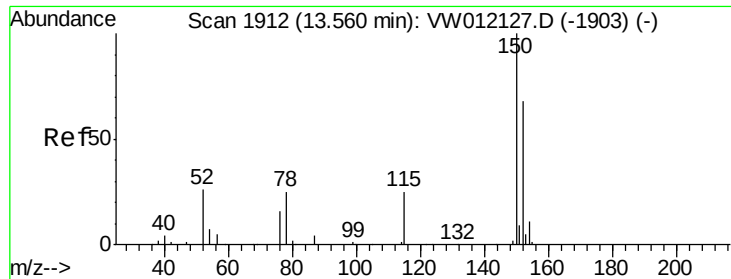


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

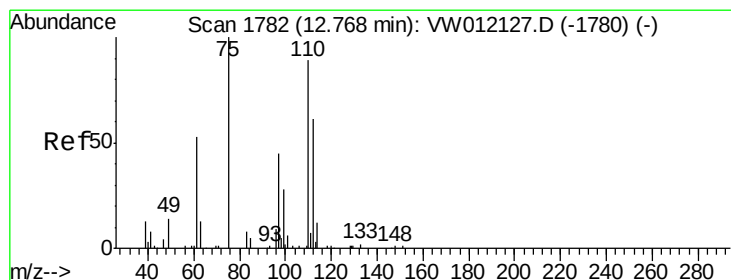
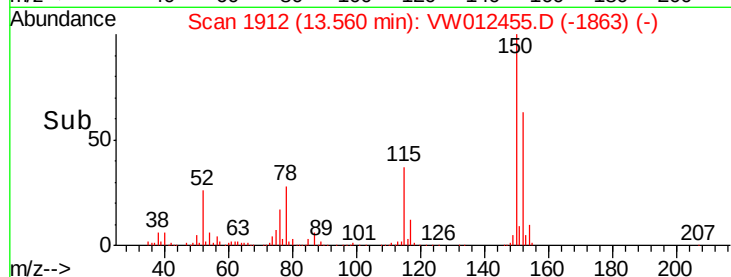
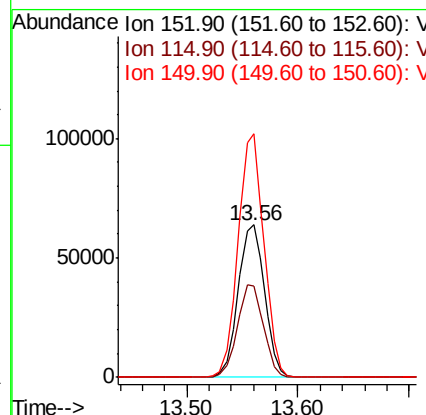
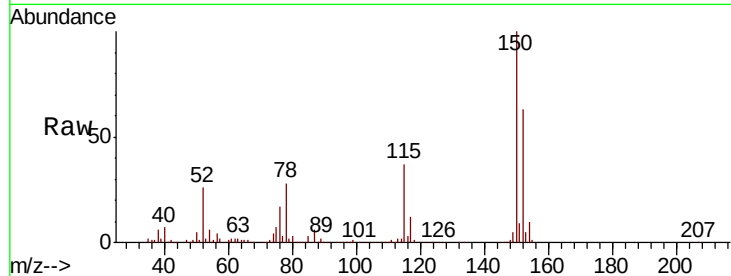




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. -0.00 min
 Lab File: VW012455.D
 Acq: 01 Sep 2019 18:14

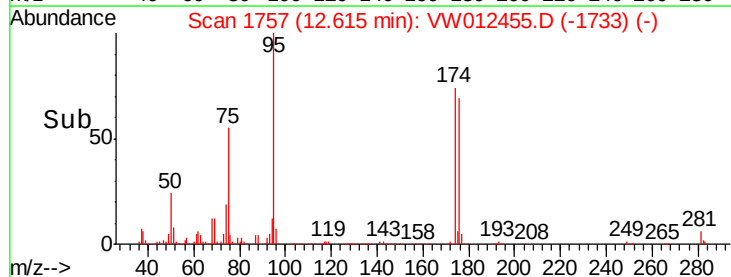
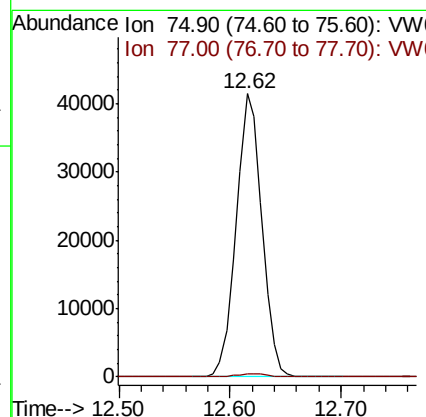
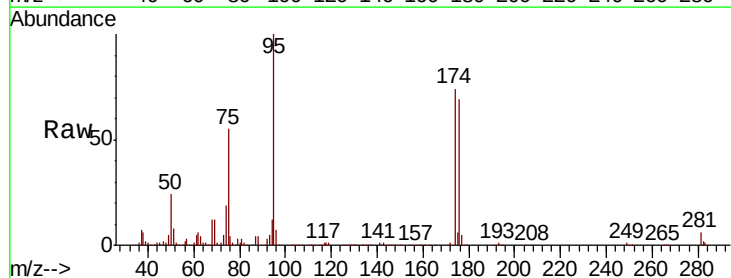
Instrument :
 MSVOA_W
 ClientSampled :
 T1-S-B4-(2.5)

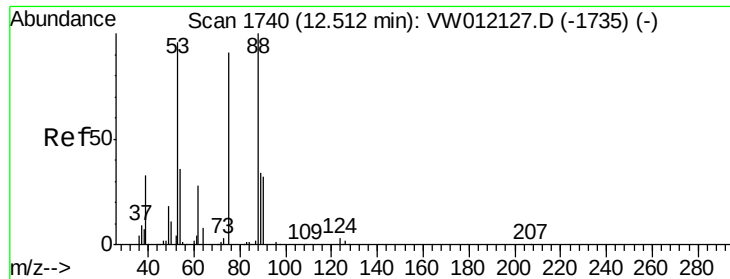
Tgt Ion: 152 Resp: 104599
 Ion Ratio Lower Upper
 152 100
 115 59.4 30.1 90.3
 150 155.9 0.0 345.8



#76
 1,2,3-Trichloropropane
 Concen: 64.815 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012455.D
 Acq: 01 Sep 2019 18:14

Tgt Ion: 75 Resp: 66028
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#

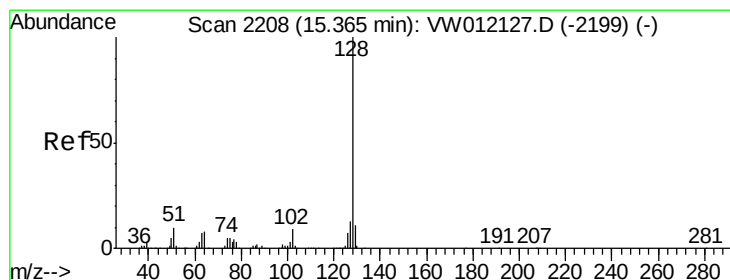
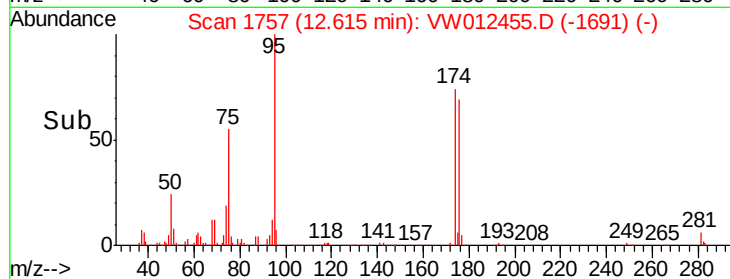
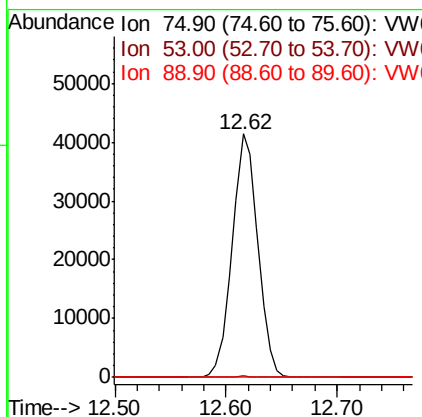
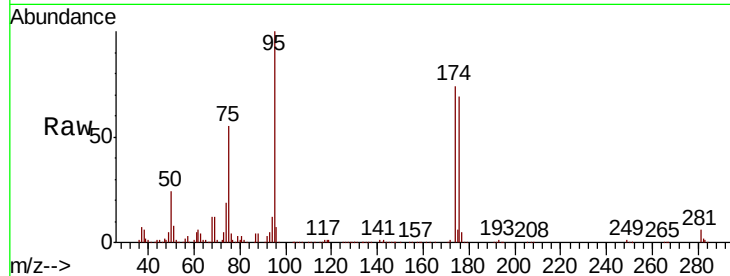




#81
trans-1,4-Dichloro-2-butene
Concen: 142.109 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012455.D
Acq: 01 Sep 2019 18:14

Instrument :
MSVOA_W
ClientSampled :
T1-S-B4-(2.5)

Tgt Ion: 75 Resp: 66028
Ion Ratio Lower Upper
75 100
53 0.3 89.4 134.0#
89 0.0 34.5 51.7#



#95
Naphthalene
Concen: 4.347 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012455.D
Acq: 01 Sep 2019 18:14

Tgt Ion: 128 Resp: 114
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.7 13.1#

