

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111120\
 Data File : VD067599.D
 Acq On : 11 Nov 2020 13:46
 Operator : VA/SY
 Sample : L4702-04
 Misc : 6.22G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 M-99(0-10)

Quant Time: Nov 12 00:41:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

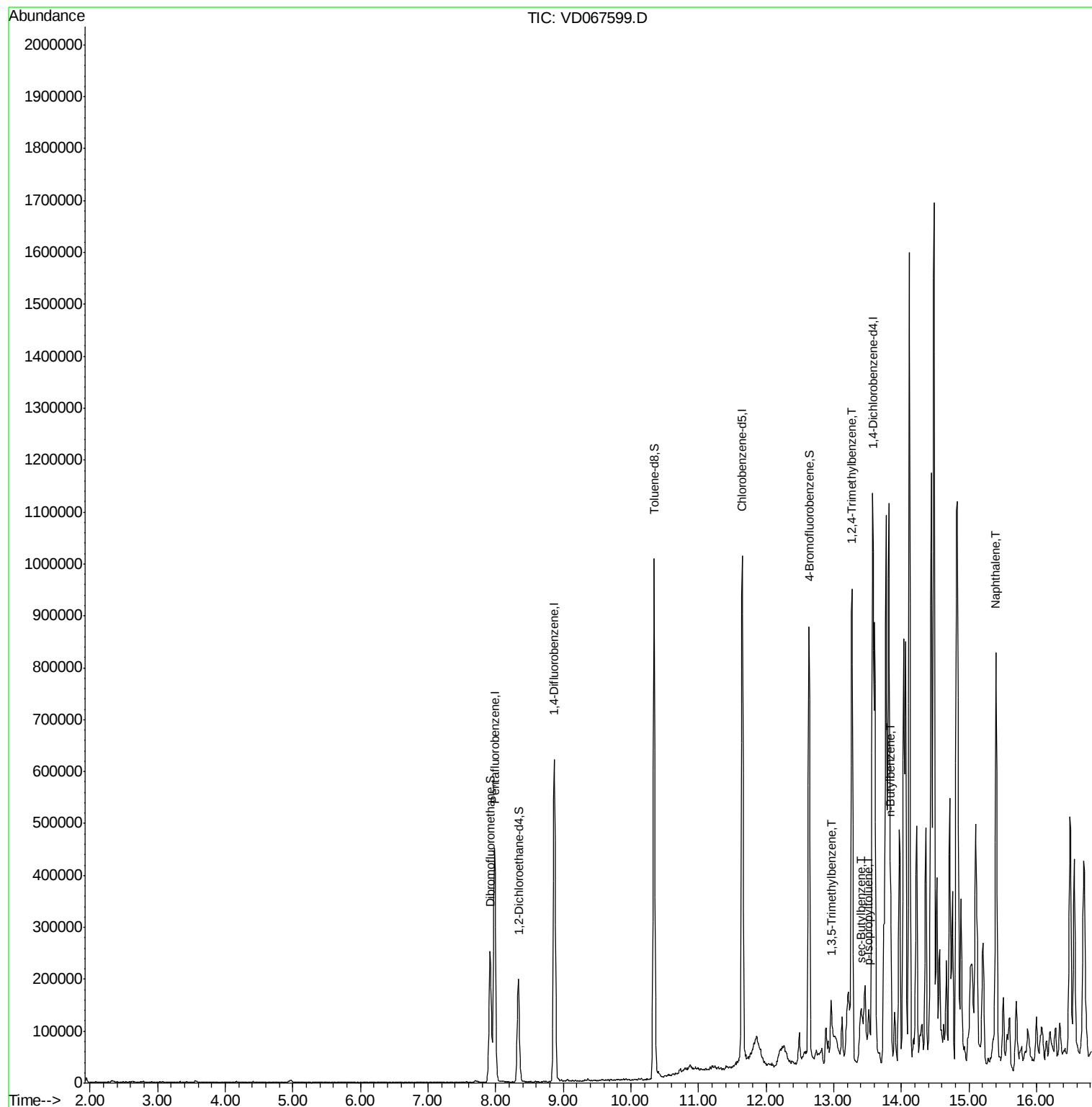
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	345334	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	561498	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	601163	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	302159	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	169504	56.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.28%	
35) Dibromofluoromethane	7.92	113	181056	53.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.04%	
50) Toluene-d8	10.34	98	687314	57.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.62%	
62) 4-Bromofluorobenzene	12.64	95	278001	67.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	135.46%	
Target Compounds						
80) 1,3,5-Trimethylbenzene	12.97	105	48338	2.898	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	538759	32.445	ug/l	99
85) sec-Butylbenzene	13.41	105	36521	1.914	ug/l #	66
86) p-Isopropyltoluene	13.52	119	48620	2.638	ug/l	99
89) n-Butylbenzene	13.84	91	143357	9.005	ug/l #	75
95) Naphthalene	15.40	128	700607	84.455	ug/l	99

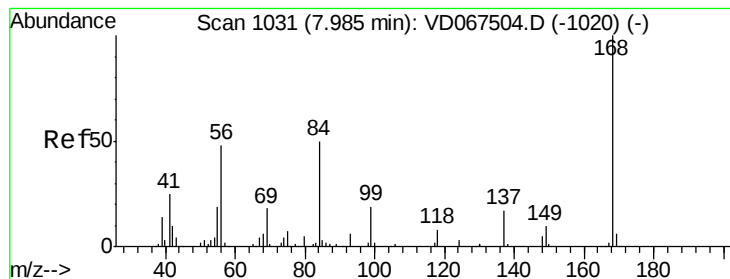
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067599.D

Acq: 11 Nov 2020 13:46

Instrument :

MSVOA_D

ClientSampleId :

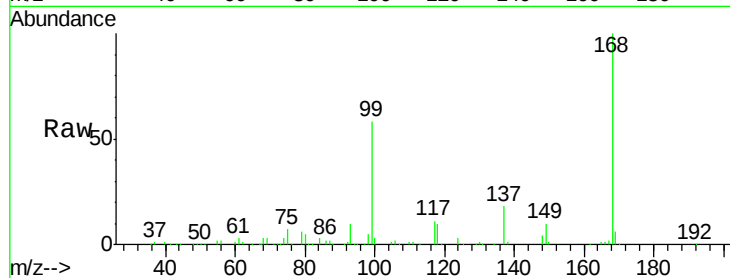
M-99(0-10)

Tot Ion:168 Resp: 345334

Ion Ratio Lower Upper

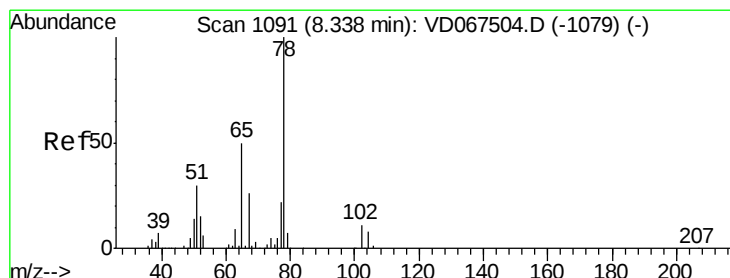
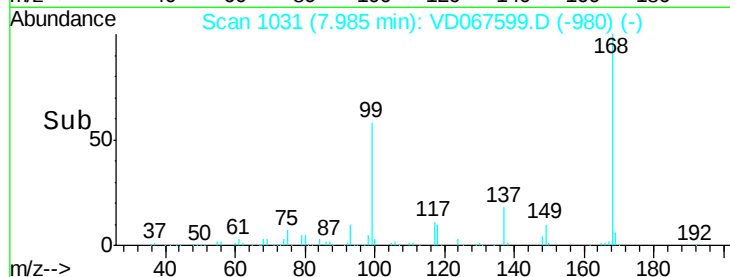
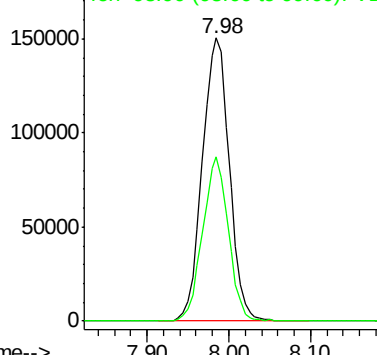
168 100

99 57.9 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#33

1,2-Dichloroethane-d4

Concen: 56.135 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD067599.D

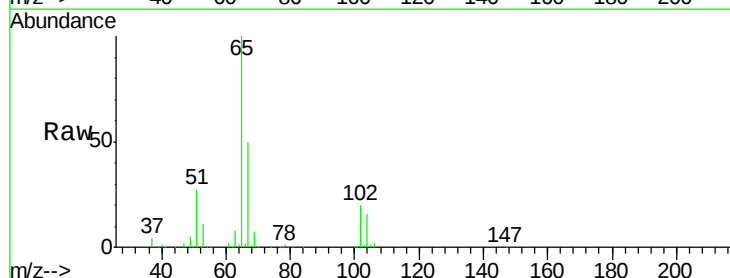
Acq: 11 Nov 2020 13:46

Tgt Ion: 65 Resp: 169504

Ion Ratio Lower Upper

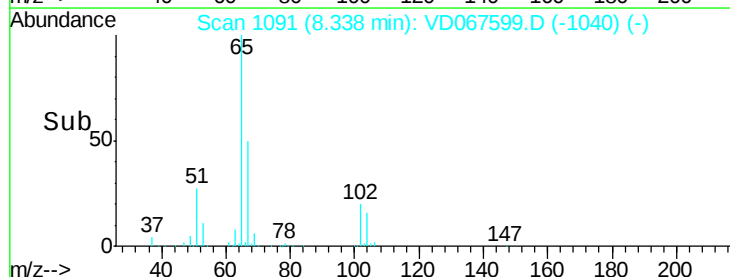
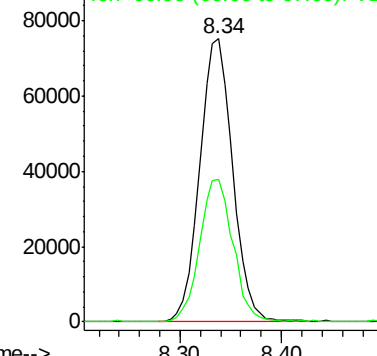
65 100

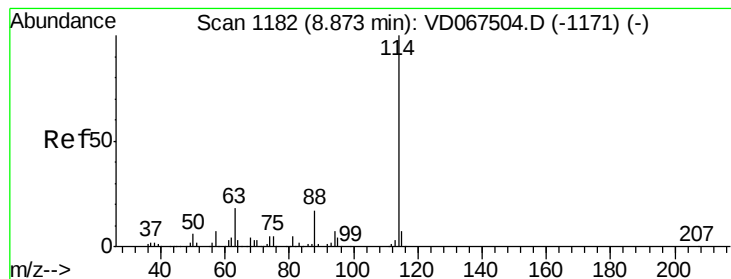
67 50.8 0.0 99.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VD067599.D

Acq: 11 Nov 2020 13:46

Instrument :

MSVOA_D

ClientSampleId :

M-99(0-10)

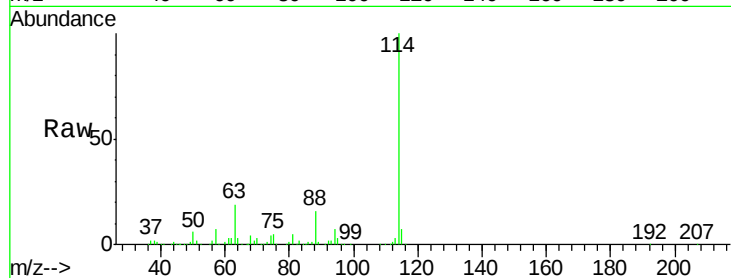
Tot Ion:114 Resp: 561498

Ion Ratio Lower Upper

114 100

63 18.7 0.0 35.0

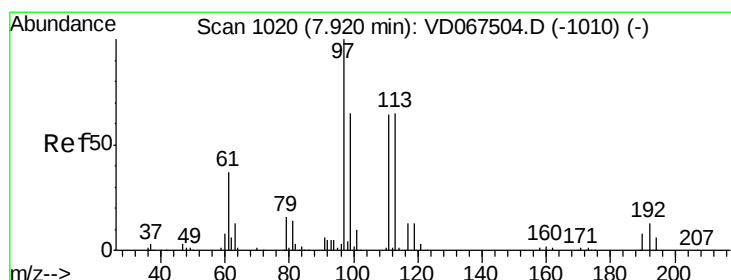
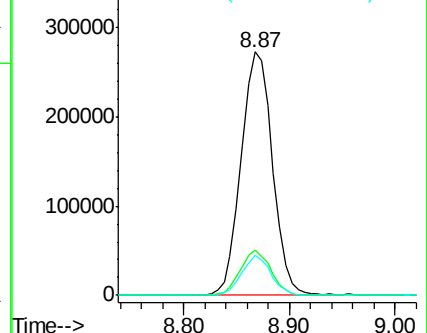
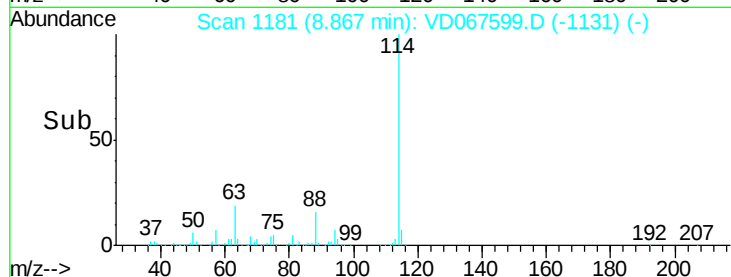
88 16.4 0.0 33.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 53.519 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD067599.D

Acq: 11 Nov 2020 13:46

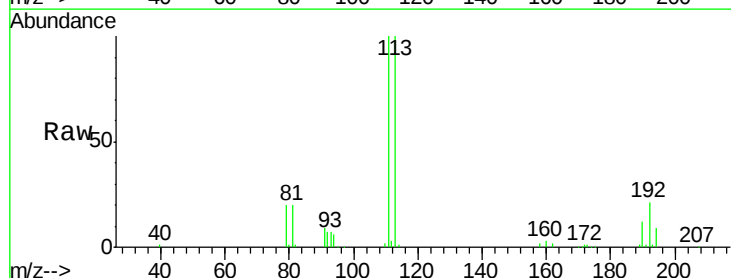
Tgt Ion:113 Resp: 181056

Ion Ratio Lower Upper

113 100

111 101.4 80.0 120.0

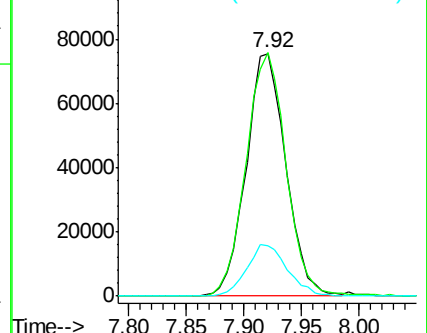
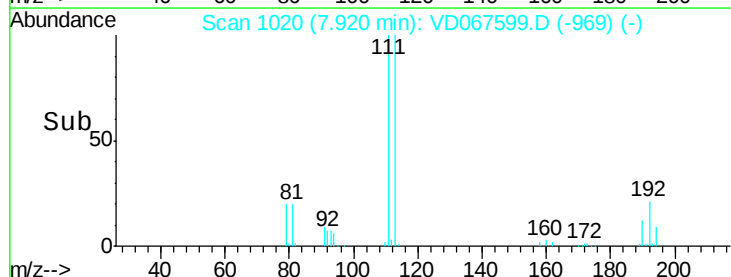
192 21.8 16.3 24.5

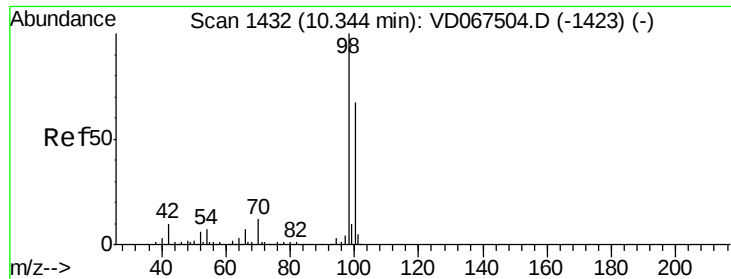


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 57.812 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067599.D

Acq: 11 Nov 2020 13:46

Instrument :

MSVOA_D

ClientSampleId :

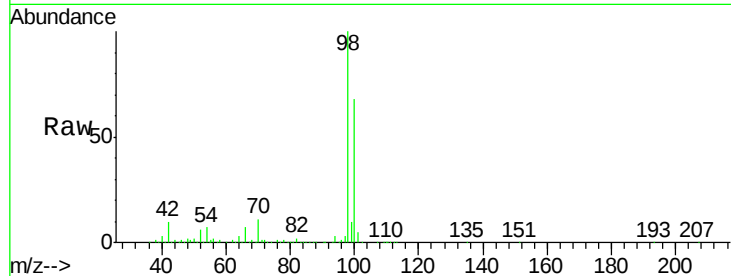
M-99(0-10)

Tot Ion: 98 Resp: 687314

Ion Ratio Lower Upper

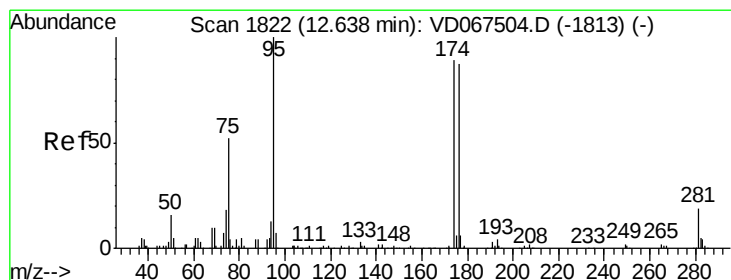
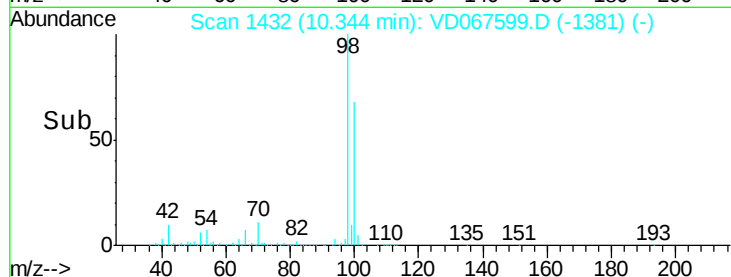
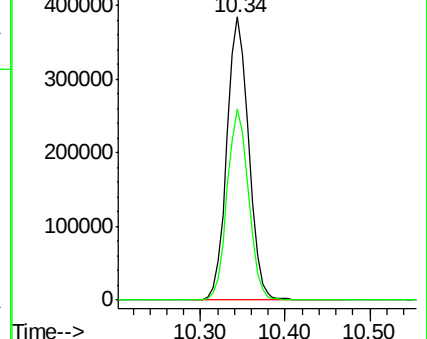
98 100

100 66.2 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 67.730 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD067599.D

Acq: 11 Nov 2020 13:46

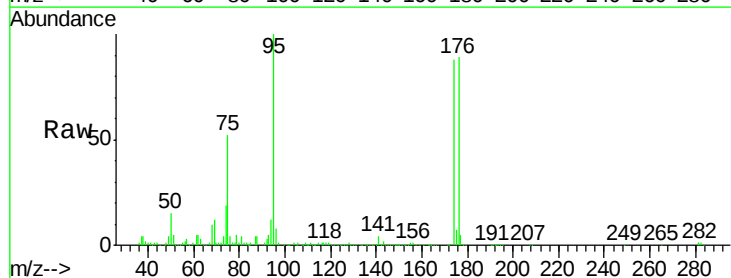
Tgt Ion: 95 Resp: 278001

Ion Ratio Lower Upper

95 100

174 87.5 0.0 177.8

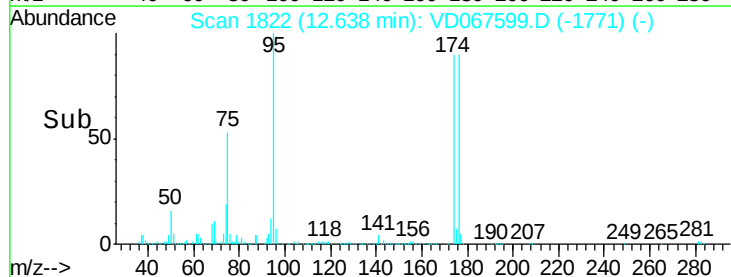
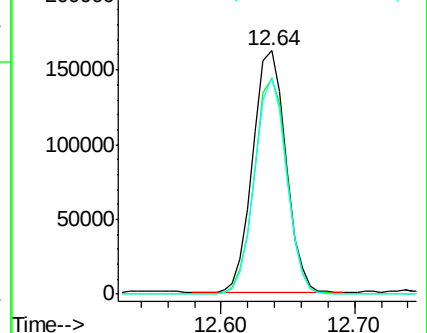
176 85.9 0.0 172.0

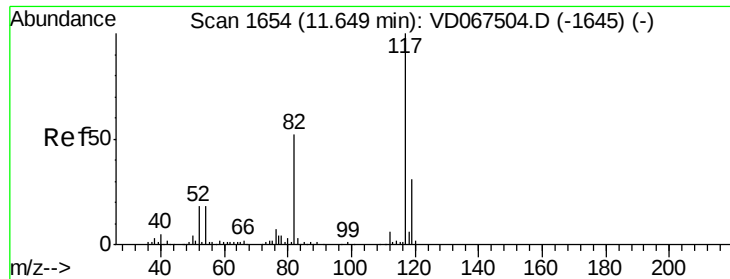


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

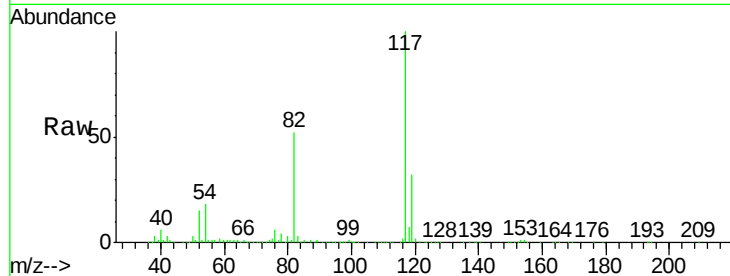




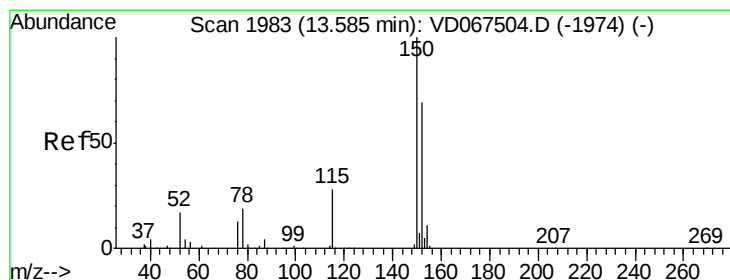
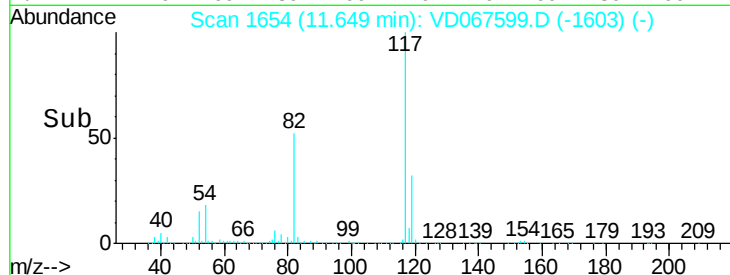
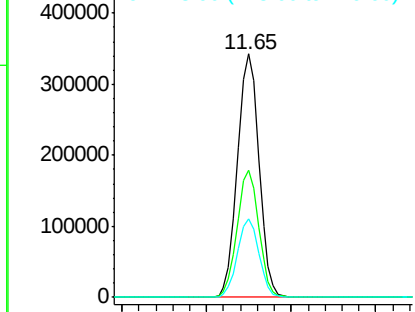
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067599.D
Acq: 11 Nov 2020 13:46

Instrument :
MSVOA_D
ClientSampleId :
M-99(0-10)

Tot Ion:117 Resp: 601163
Ion Ratio Lower Upper
117 100
82 51.9 41.6 62.4
119 32.5 25.1 37.7

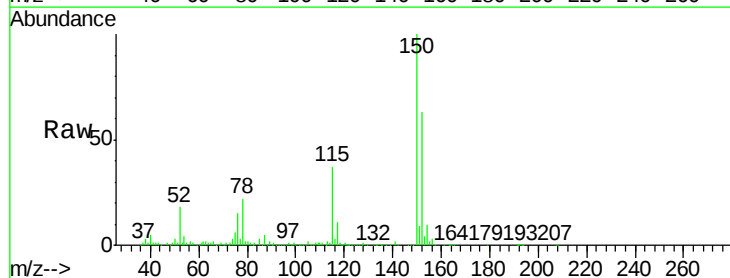


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

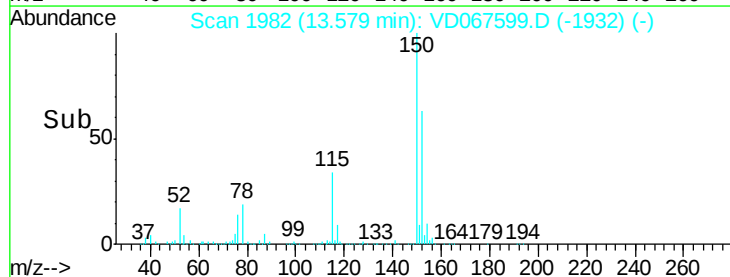
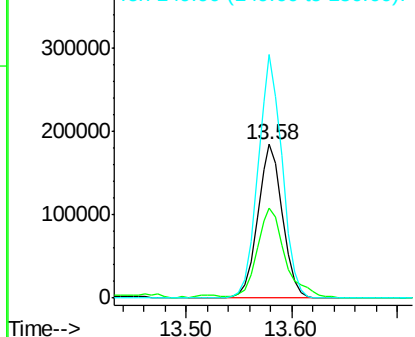


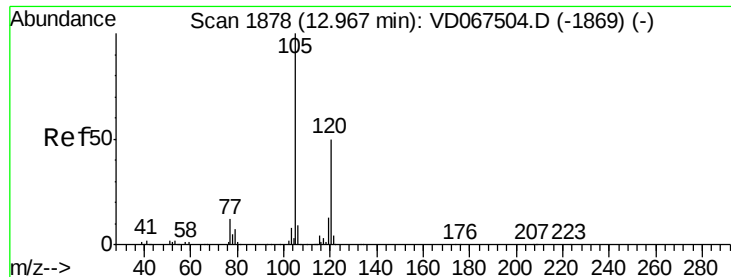
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067599.D
Acq: 11 Nov 2020 13:46

Tgt Ion:152 Resp: 302159
Ion Ratio Lower Upper
152 100
115 65.1 29.3 88.0
150 153.3 0.0 338.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V

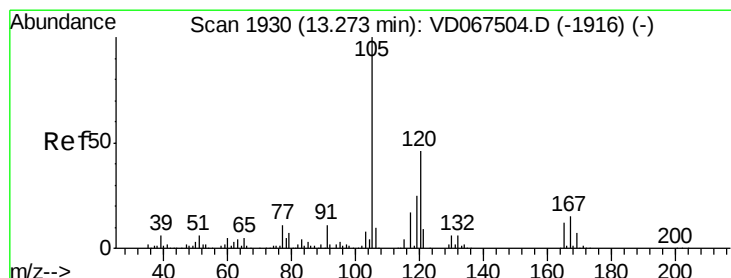
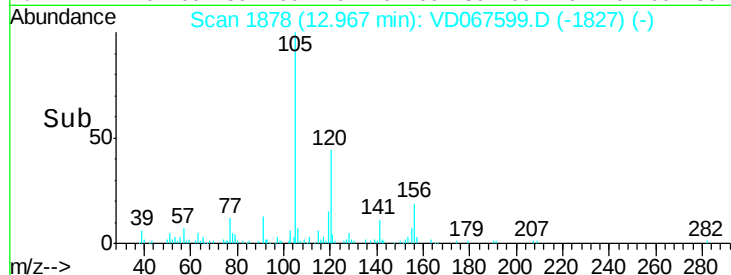
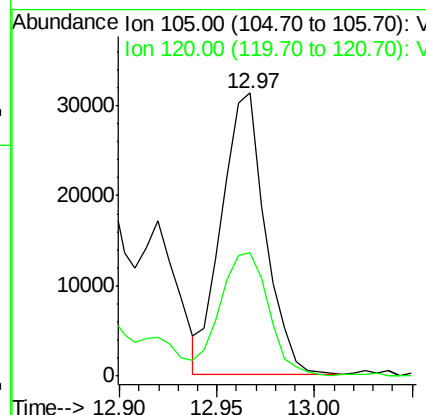
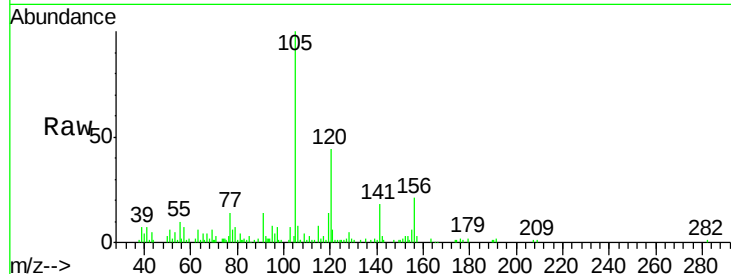




#80
 1,3,5-Trimethylbenzene
 Concen: 2.898 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD067599.D
 Acq: 11 Nov 2020 13:46

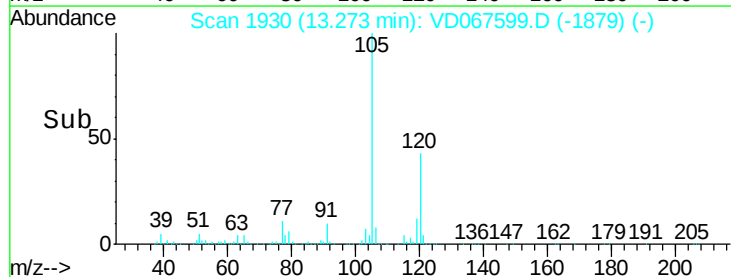
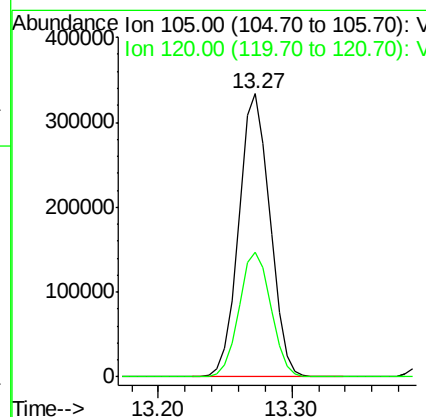
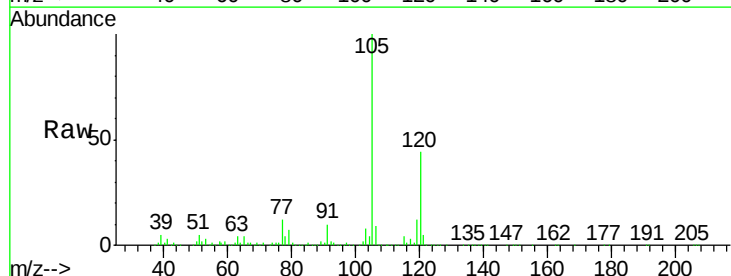
Instrument :
 MSVOA_D
 ClientSampleId :
 M-99(0-10)

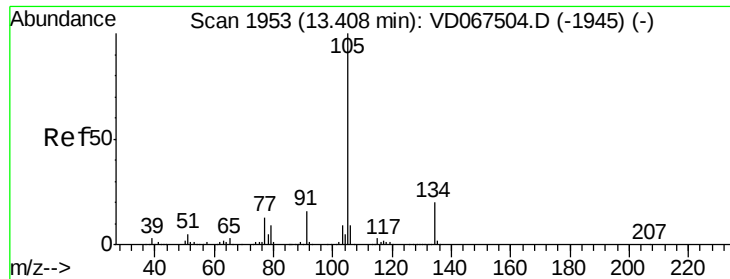
Tot Ion:105 Resp: 48338
 Ion Ratio Lower Upper
 105 100
 120 48.9 24.3 72.8



#84
 1,2,4-Trimethylbenzene
 Concen: 32.445 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD067599.D
 Acq: 11 Nov 2020 13:46

Tgt Ion:105 Resp: 538759
 Ion Ratio Lower Upper
 105 100
 120 45.0 22.1 66.1





#85

sec-Butylbenzene

Concen: 1.914 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD067599.D

Acq: 11 Nov 2020 13:46

Instrument :

MSVOA_D

ClientSampleId :

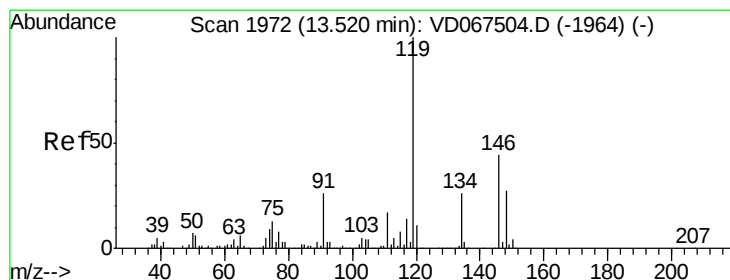
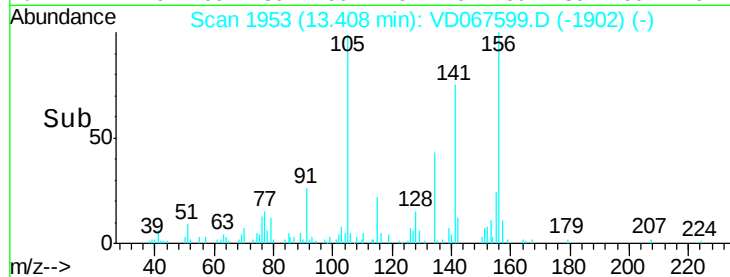
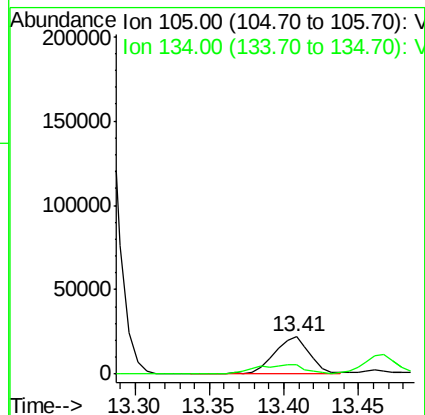
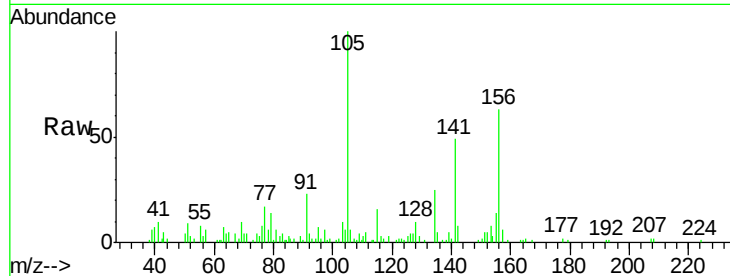
M-99(0-10)

Tot Ion:105 Resp: 36521

Ion Ratio Lower Upper

105 100

134 36.8 10.4 31.4#



#86

p-Isopropyltoluene

Concen: 2.638 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD067599.D

Acq: 11 Nov 2020 13:46

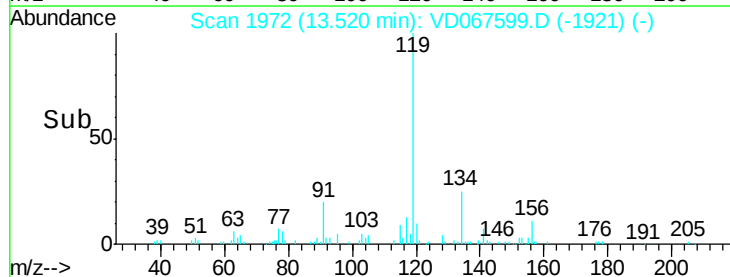
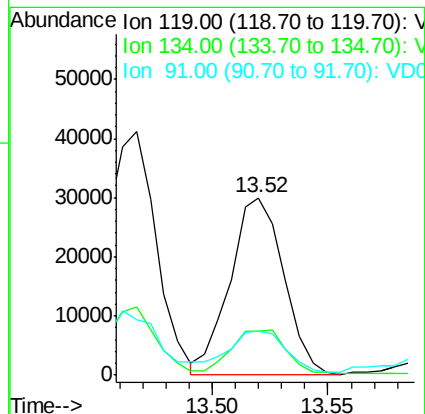
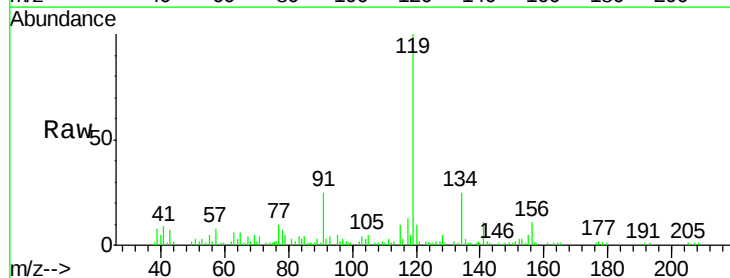
Tgt Ion:119 Resp: 48620

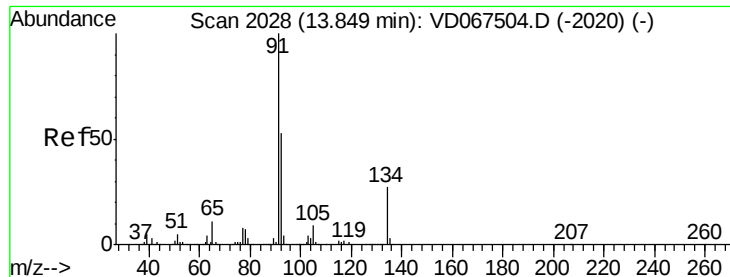
Ion Ratio Lower Upper

119 100

134 25.9 13.1 39.3

91 24.7 12.2 36.4

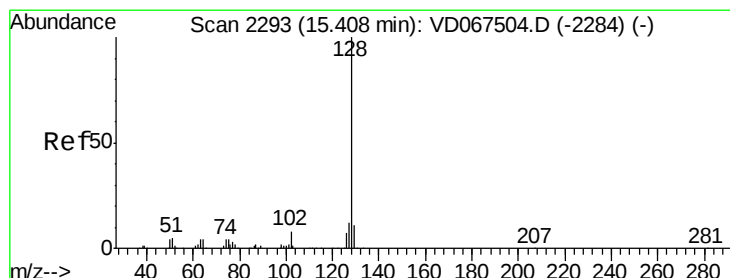
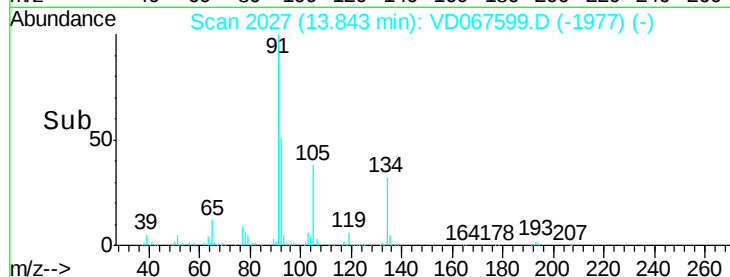
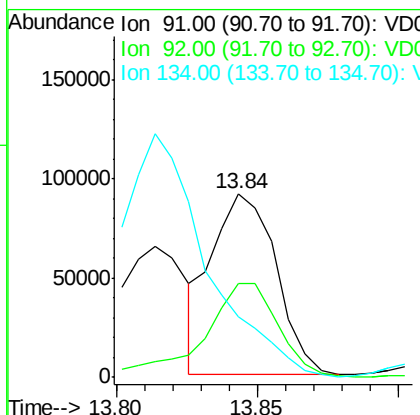
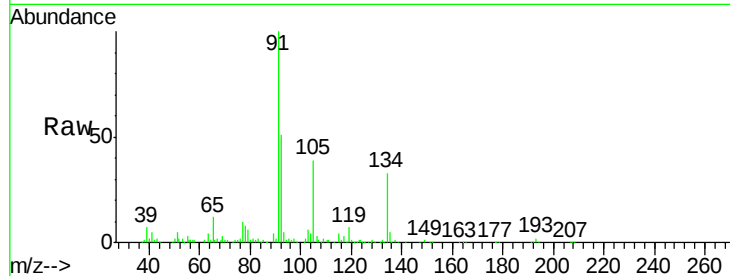




#89
n-Butylbenzene
Concen: 9.005 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD067599.D
Acq: 11 Nov 2020 13:46

Instrument :
MSVOA_D
ClientSampleId :
M-99(0-10)

Tot Ion: 91 Resp: 143357
Ion Ratio Lower Upper
91 100
92 60.2 26.6 79.8
134 0.0 14.1 42.2#



#95
Naphthalene
Concen: 84.455 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. -0.01 min
Lab File: VD067599.D
Acq: 11 Nov 2020 13:46

Tgt Ion: 128 Resp: 700607
Ion Ratio Lower Upper
128 100
127 13.3 10.2 15.4
129 11.0 8.9 13.3

