

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020321\
 Data File : VD068254.D
 Acq On : 03 Feb 2021 11:15
 Operator : VA/SY
 Sample : VD0203SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 03 23:39:05 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 19 13:19:08 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

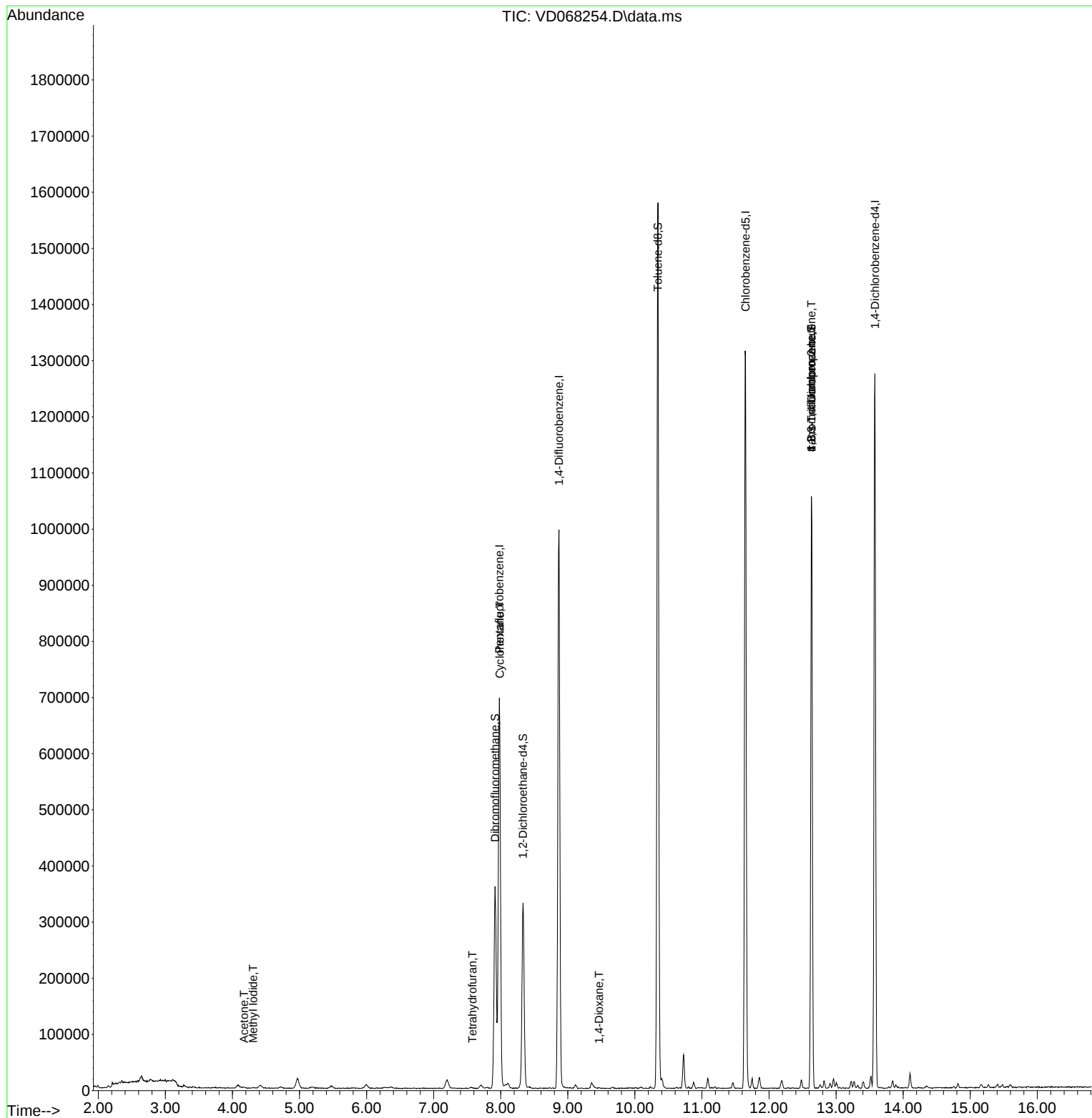
Internal Standards						
1) Pentafluorobenzene	7.979	168	522237	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	911437	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.650	117	793152	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.579	152	346313	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	262804	52.60	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.20%			
35) Dibromofluoromethane	7.914	113	260351	51.67	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.34%			
50) Toluene-d8	10.344	98	1111375	55.14	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 110.28%			
62) 4-Bromofluorobenzene	12.632	95	354351	48.82	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 97.64%			
Target Compounds						Qvalue
10) Methyl Iodide	4.309	142	805	3.28	ug/l #	77
11) Tert butyl alcohol	5.179	59	1102	Below Cal	#	74
16) Acetone	4.173	43	2963	3.32	ug/l	91
20) Methylene Chloride	4.979	84	13331	Below Cal		97
29) Tetrahydrofuran	7.579	42	967	1.11	ug/l #	44
31) Cyclohexane	7.985	56	14892	1.38	ug/l #	47
49) 1,4-Dioxane	9.467	88	53	1.42	ug/l #	1
76) 1,2,3-Trichloropropane	12.632	75	178921	53.43	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	178921	108.13	ug/l #	13

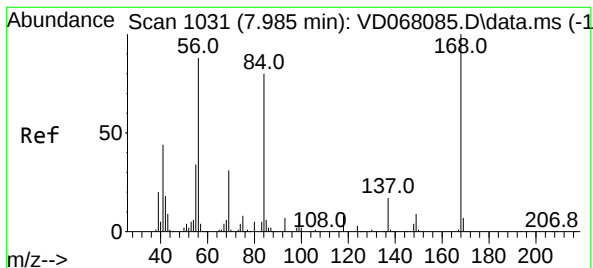
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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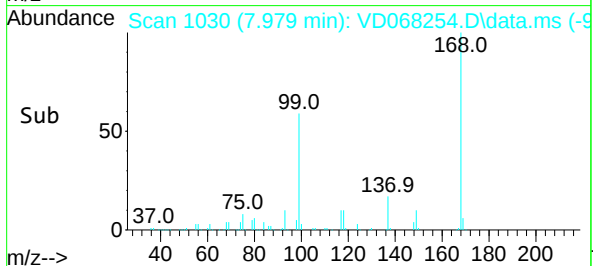
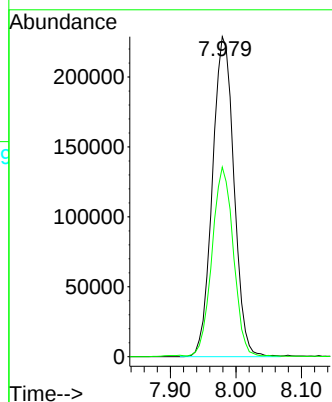
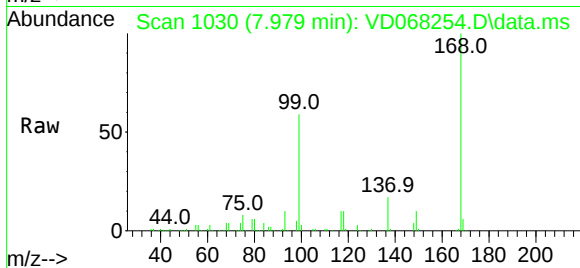




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD068254.D
Acq: 03 Feb 2021 11:15

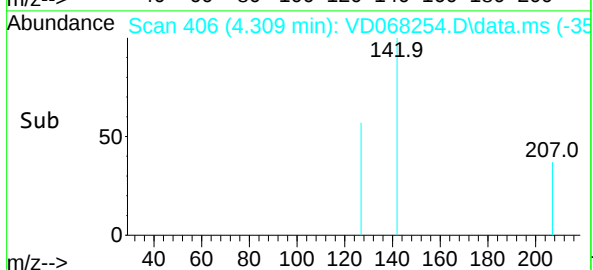
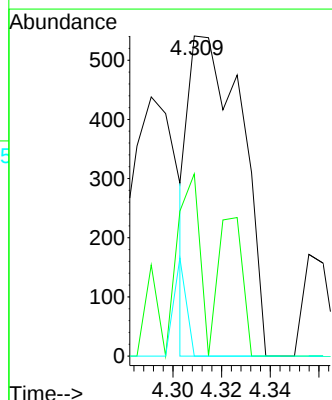
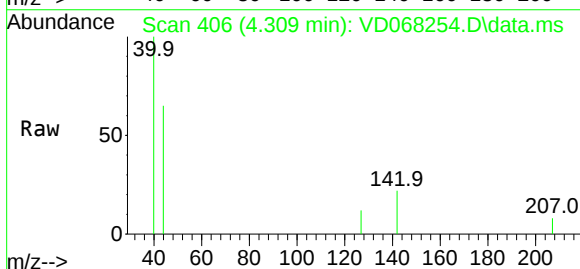
Instrument :
MSVOA_D
ClientSampleId :

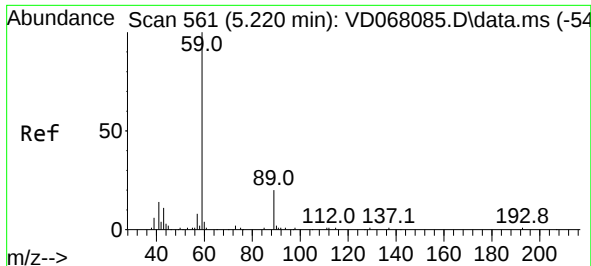
Tgt Ion:168 Resp: 522237
Ion Ratio Lower Upper
168 100
99 59.1 43.5 65.3



#10
Methyl Iodide
Concen: 3.28 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.001 min
Lab File: VD068254.D
Acq: 03 Feb 2021 11:15

Tgt Ion:142 Resp: 805
Ion Ratio Lower Upper
142 100
127 31.1 37.9 56.9#
141 7.3 11.5 17.3#

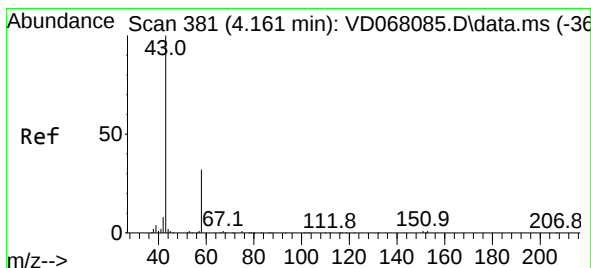
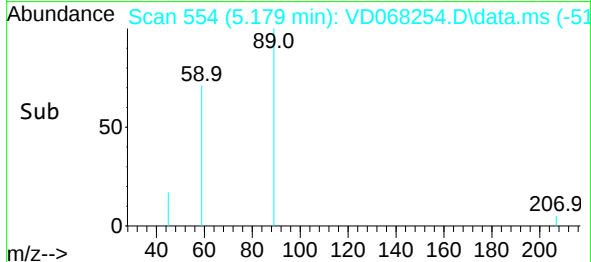
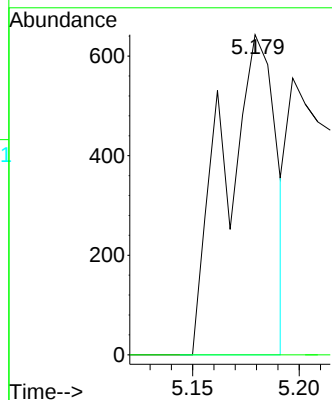
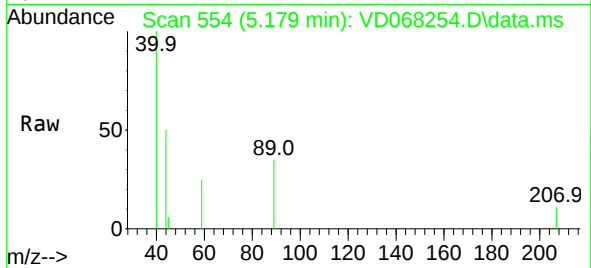




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.179 min Scan# 554
Delta R.T. -0.041 min
Lab File: VD068254.D
Acq: 03 Feb 2021 11:15

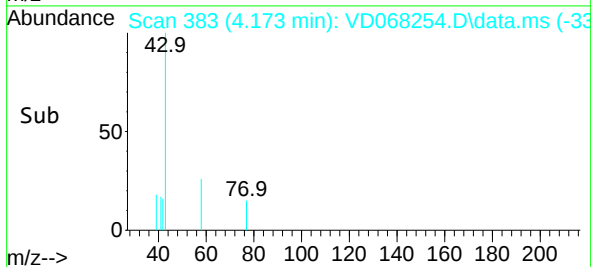
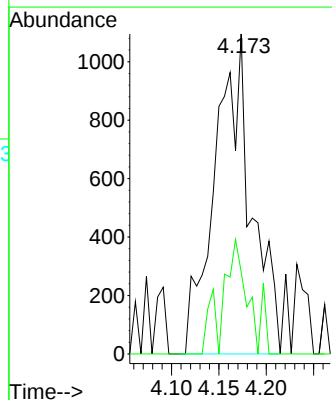
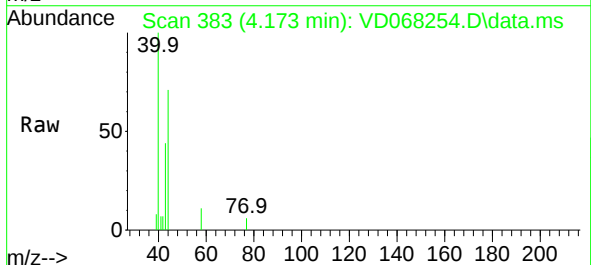
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 59 Resp: 1102
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 3.32 ug/l
RT: 4.173 min Scan# 383
Delta R.T. 0.012 min
Lab File: VD068254.D
Acq: 03 Feb 2021 11:15

Tgt Ion: 43 Resp: 2963
Ion Ratio Lower Upper
43 100
58 25.7 24.2 36.4





#20

Methylene Chloride

Concen: Below Cal

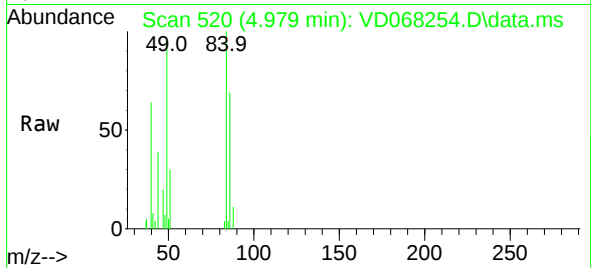
RT: 4.979 min Scan# 520

Delta R.T. 0.006 min

Lab File: VD068254.D

Acq: 03 Feb 2021 11:15

Instrument :
MSVOA_D
ClientSampled :



Tgt Ion: 84 Resp: 13331

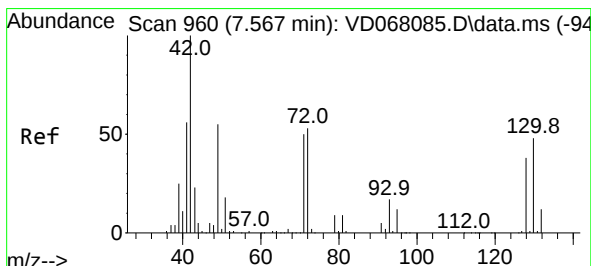
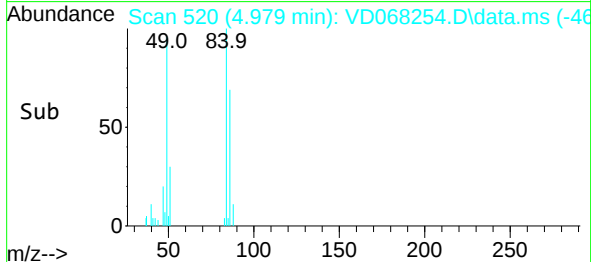
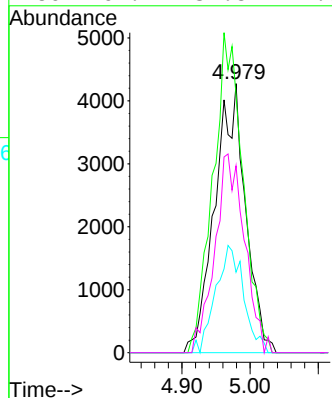
Ion Ratio Lower Upper

84 100

49 95.7 77.4 116.2

51 29.9 26.1 39.1

86 69.4 51.8 77.8



#29

Tetrahydrofuran

Concen: 1.11 ug/l

RT: 7.579 min Scan# 962

Delta R.T. 0.012 min

Lab File: VD068254.D

Acq: 03 Feb 2021 11:15

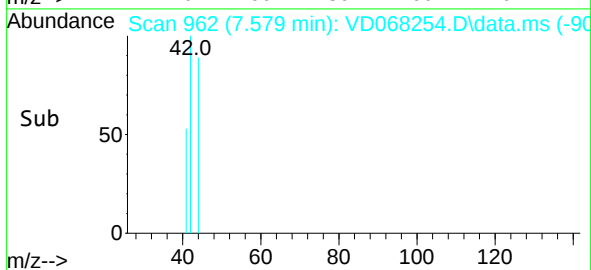
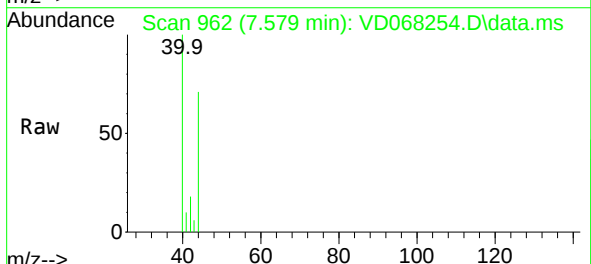
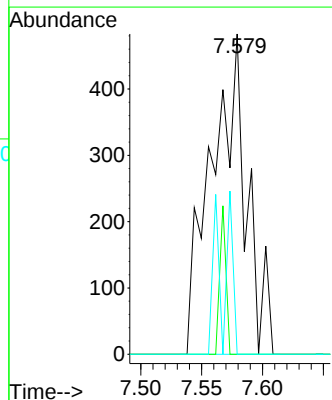
Tgt Ion: 42 Resp: 967

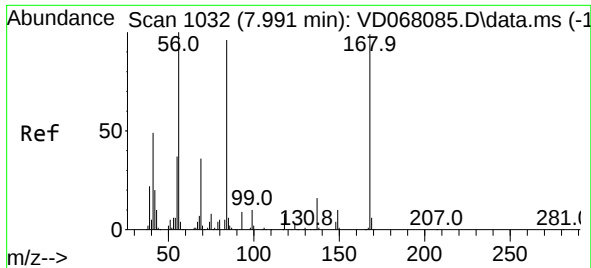
Ion Ratio Lower Upper

42 100

72 8.2 43.4 65.0#

71 17.8 40.8 61.2#

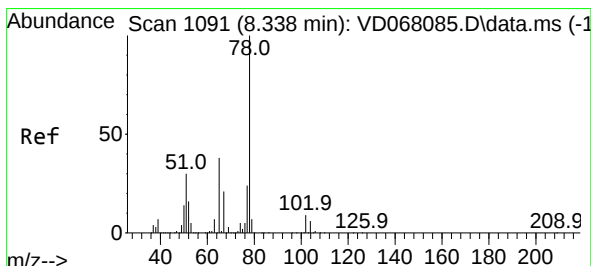
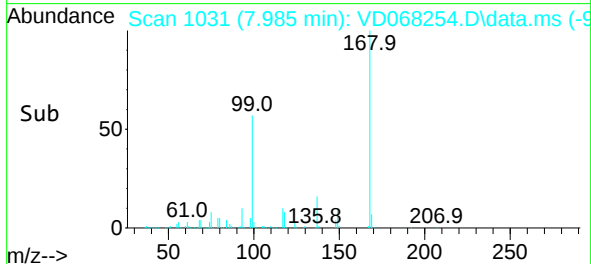
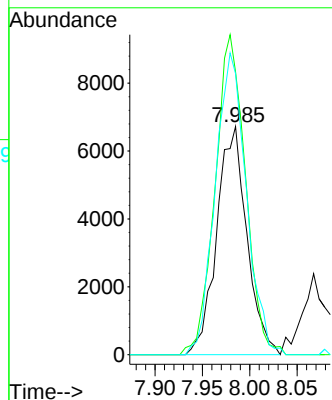
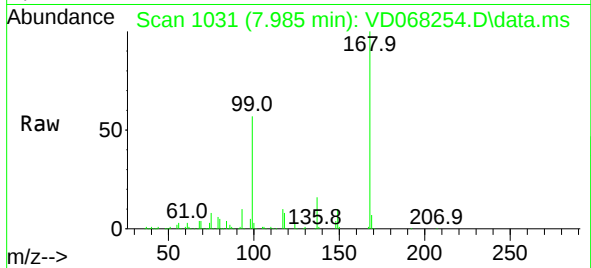




#31
Cyclohexane
Concen: 1.38 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.005 min
Lab File: VD068254.D
Acq: 03 Feb 2021 11:15

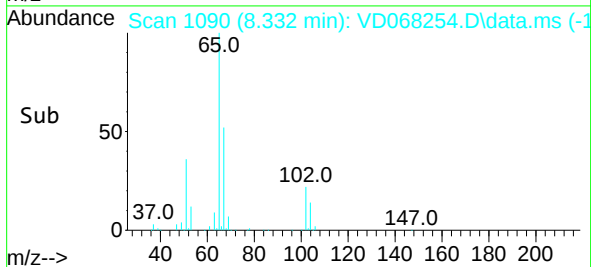
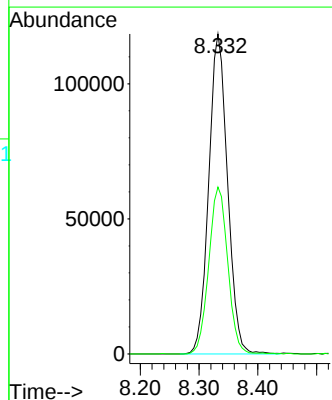
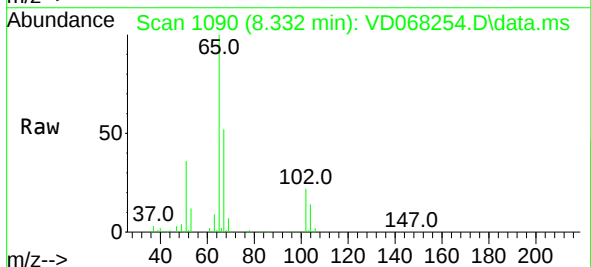
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 56 Resp: 14892
Ion Ratio Lower Upper
56 100
69 124.0 30.1 45.1#
84 123.2 82.1 123.1#



#33
1,2-Dichloroethane-d4
Concen: 52.60 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.005 min
Lab File: VD068254.D
Acq: 03 Feb 2021 11:15

Tgt Ion: 65 Resp: 262804
Ion Ratio Lower Upper
65 100
67 52.8 0.0 105.0

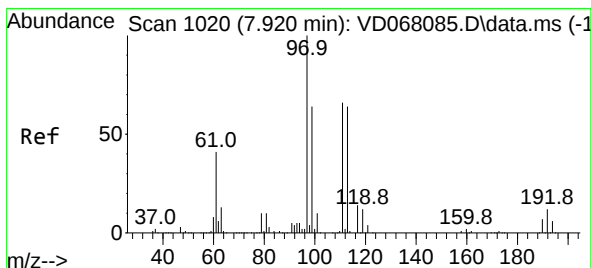
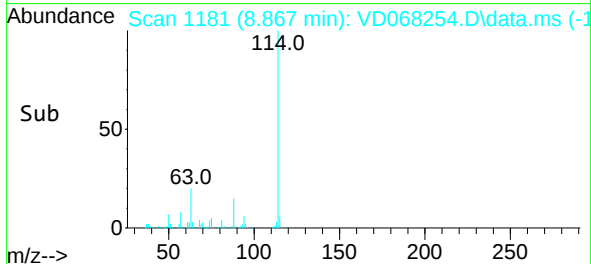
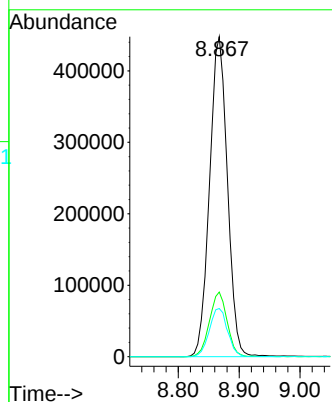
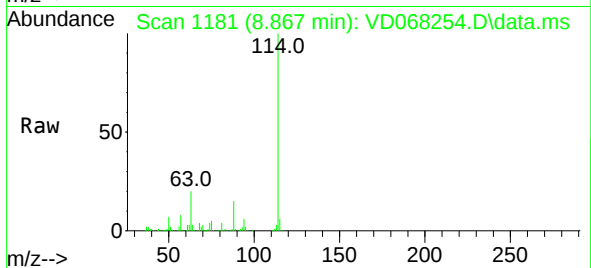




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068254.D
Acq: 03 Feb 2021 11:15

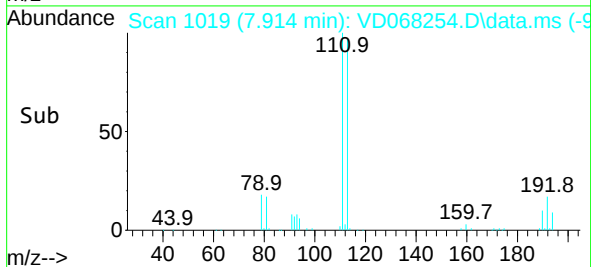
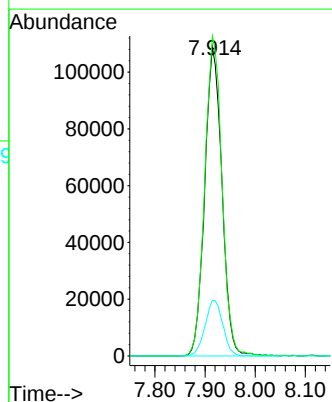
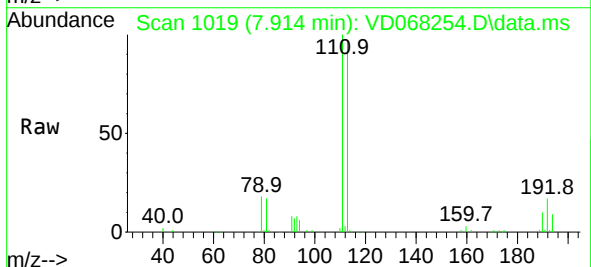
Instrument :
MSVOA_D
ClientSampled :

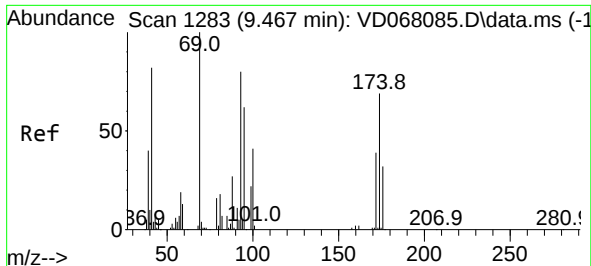
Tgt Ion:114 Resp: 911437
Ion Ratio Lower Upper
114 100
63 20.2 0.0 34.8
88 15.1 0.0 31.6



#35
Dibromofluoromethane
Concen: 51.67 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.005 min
Lab File: VD068254.D
Acq: 03 Feb 2021 11:15

Tgt Ion:113 Resp: 260351
Ion Ratio Lower Upper
113 100
111 103.7 81.4 122.0
192 18.5 16.1 24.1





#49

1,4-Dioxane

Concen: 1.42 ug/l

RT: 9.467 min Scan# 1283

Delta R.T. 0.000 min

Lab File: VD068254.D

Acq: 03 Feb 2021 11:15

Tgt Ion: 88 Resp: 53

Ion Ratio Lower Upper

88 100

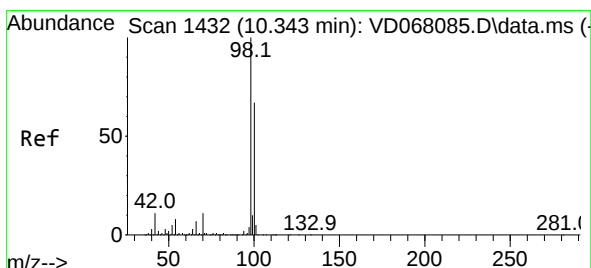
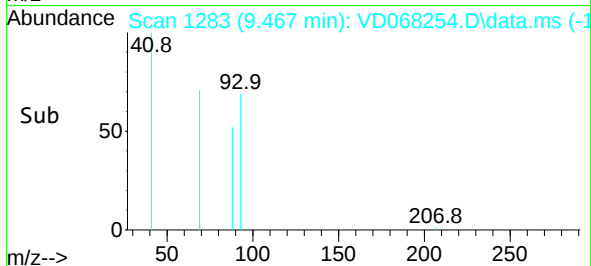
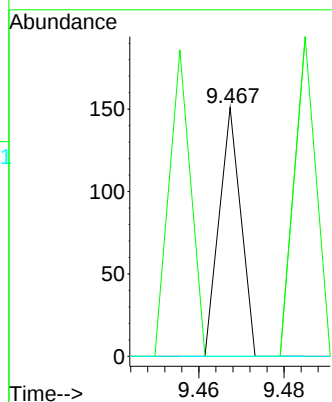
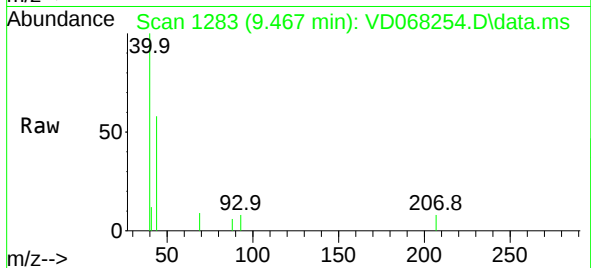
43 124.5 22.1 33.1#

58 0.0 46.7 70.1#

Instrument :

MSVOA_D

ClientSampleId :



#50

Toluene-d8

Concen: 55.14 ug/l

RT: 10.344 min Scan# 1432

Delta R.T. 0.000 min

Lab File: VD068254.D

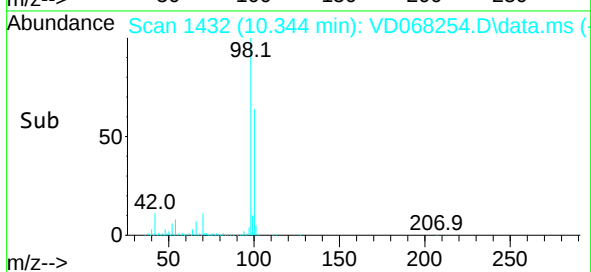
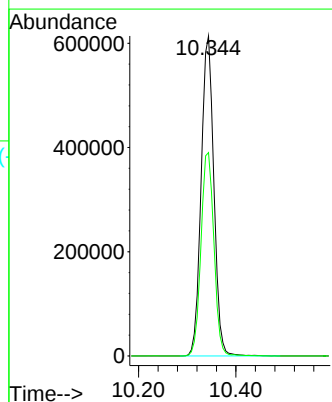
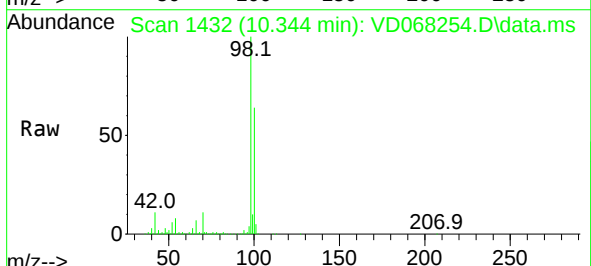
Acq: 03 Feb 2021 11:15

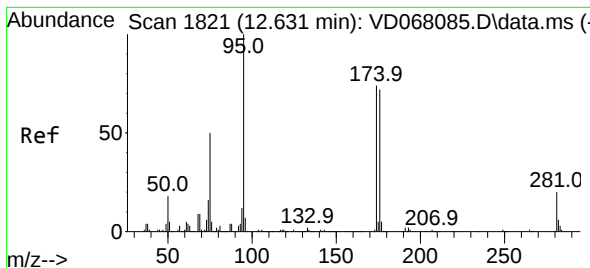
Tgt Ion: 98 Resp: 1111375

Ion Ratio Lower Upper

98 100

100 65.0 53.0 79.4

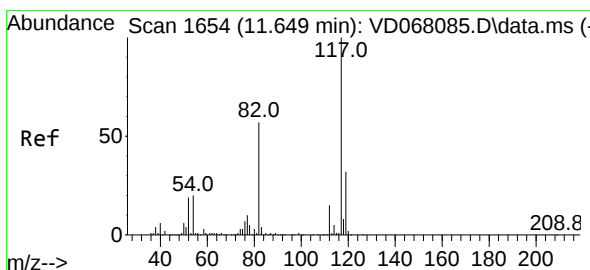
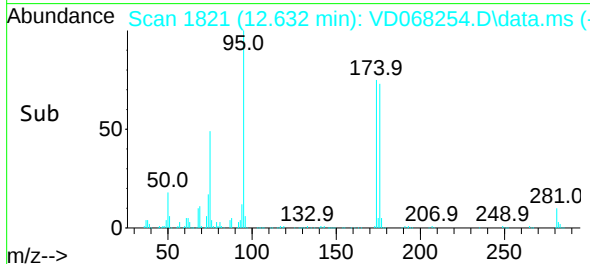
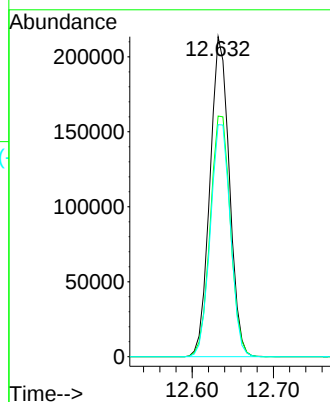
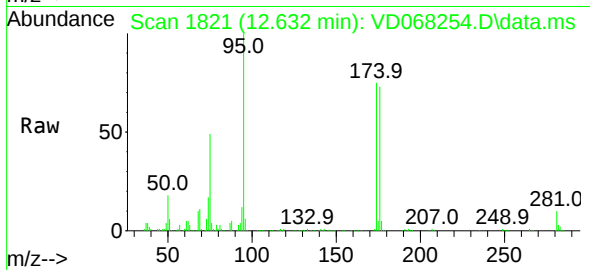




#62
4-Bromofluorobenzene
Concen: 48.82 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068254.D
Acq: 03 Feb 2021 11:15

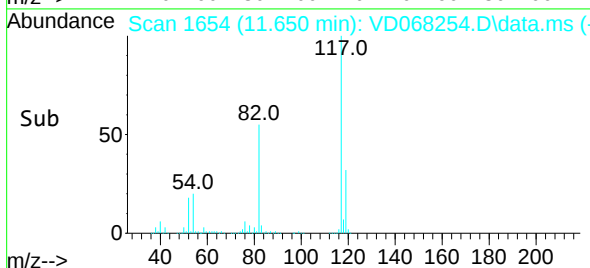
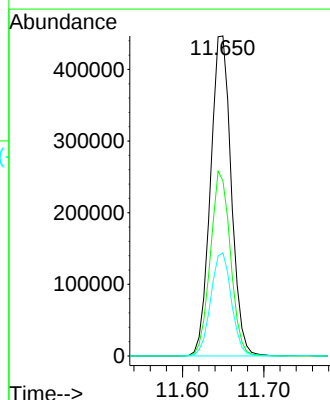
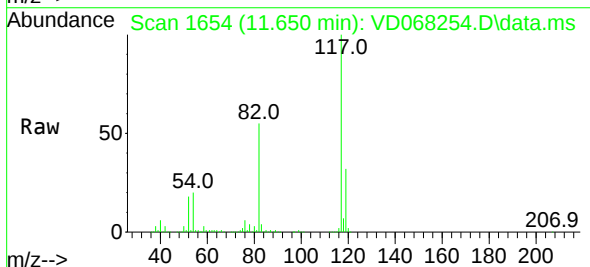
Instrument :
MSVOA_D
ClientSampleId :

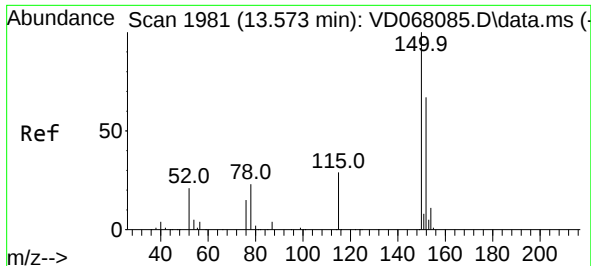
Tgt Ion: 95 Resp: 354351
Ion Ratio Lower Upper
95 100
174 78.2 0.0 172.4
176 74.8 0.0 168.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.650 min Scan# 1654
Delta R.T. 0.001 min
Lab File: VD068254.D
Acq: 03 Feb 2021 11:15

Tgt Ion: 117 Resp: 793152
Ion Ratio Lower Upper
117 100
82 54.7 41.4 62.0
119 32.2 26.1 39.1

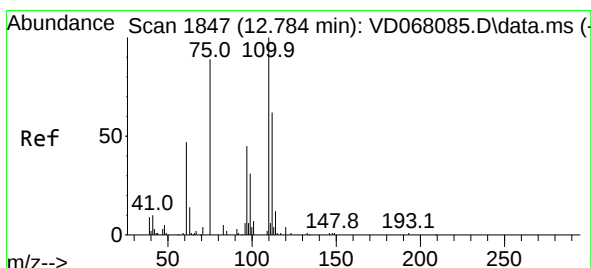
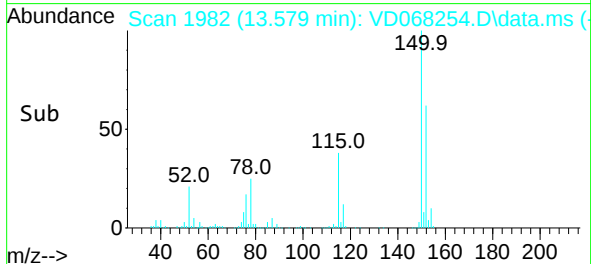
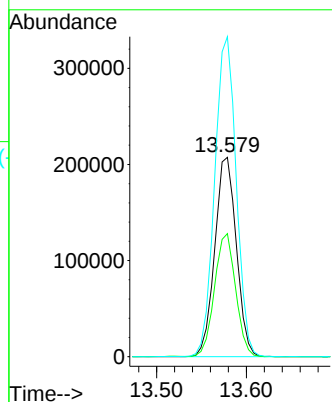
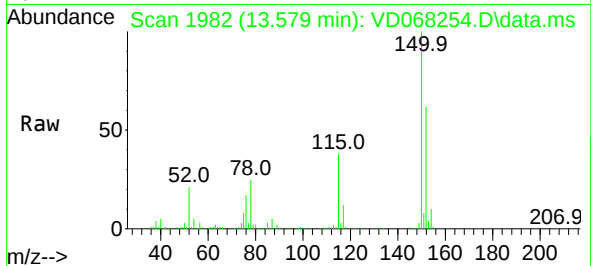




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.579 min Scan# 1982
Delta R.T. 0.006 min
Lab File: VD068254.D
Acq: 03 Feb 2021 11:15

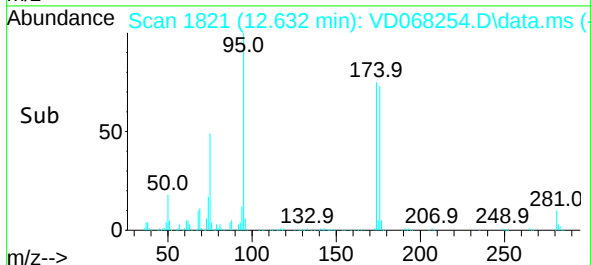
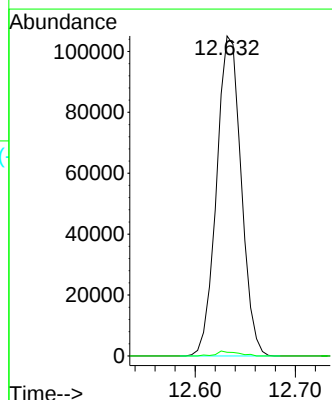
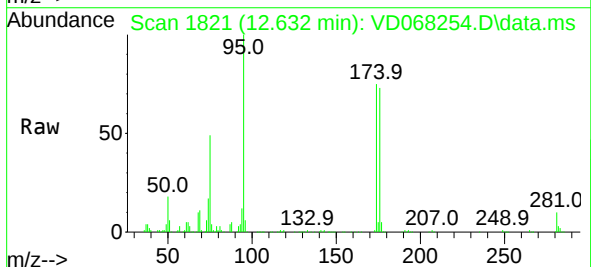
Instrument :
MSVOA_D
ClientSampleId :

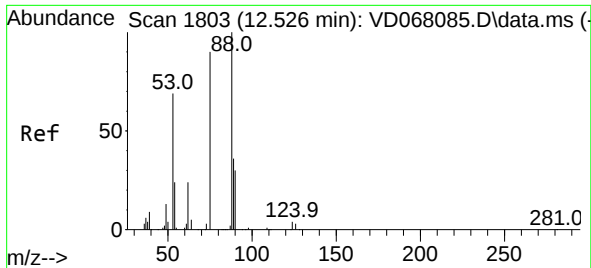
Tgt Ion:152 Resp: 346313
Ion Ratio Lower Upper
152 100
115 60.4 28.9 86.8
150 160.2 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 53.43 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD068254.D
Acq: 03 Feb 2021 11:15

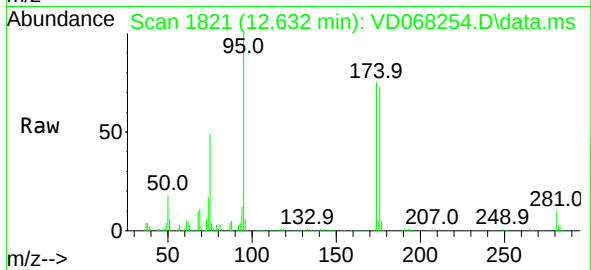
Tgt Ion: 75 Resp: 178921
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 108.13 ug/l
 RT: 12.632 min Scan# 1821
 Delta R.T. 0.106 min
 Lab File: VD068254.D
 Acq: 03 Feb 2021 11:15

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 178921
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.2 105.2#
 89 0.1 40.3 60.5#

