

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012621\
 Data File : VD068194.D
 Acq On : 26 Jan 2021 18:50
 Operator : VA/SY
 Sample : M1236-07
 Misc : 5.43G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 27 00:13:47 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)

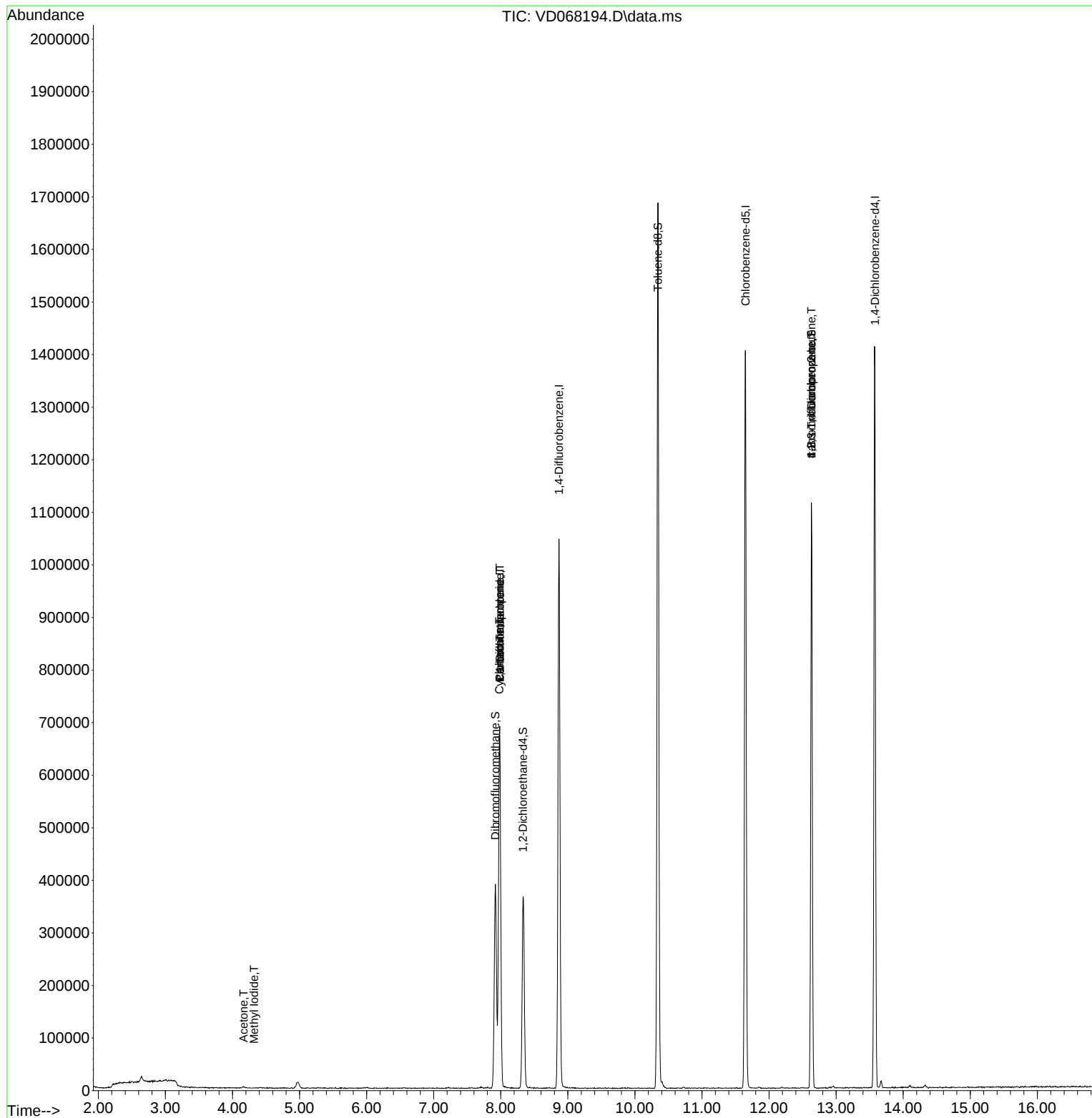
Internal Standards						
1) Pentafluorobenzene	7.985	168	526255	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	946214	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	848304	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.579	152	374978	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	296280	58.85	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.70%
35) Dibromofluoromethane	7.920	113	282357	53.98	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.96%
50) Toluene-d8	10.344	98	1169725	55.90	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	111.80%
62) 4-Bromofluorobenzene	12.632	95	379690	50.39	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	100.78%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.320	142	159	3.18	ug/l #	38
11) Tert butyl alcohol	5.214	59	66	Below	Cal #	74
16) Acetone	4.167	43	4481	4.99	ug/l	100
20) Methylene Chloride	4.973	84	9844	Below	Cal #	84
31) Cyclohexane	7.979	56	11733	1.08	ug/l #	1
36) 1,1-Dichloropropene	7.985	75	41670	4.37	ug/l #	48
38) Carbon Tetrachloride	7.985	117	53352	5.97	ug/l #	16
76) 1,2,3-Trichloropropane	12.632	75	193774	53.45	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	193774	108.15	ug/l #	13

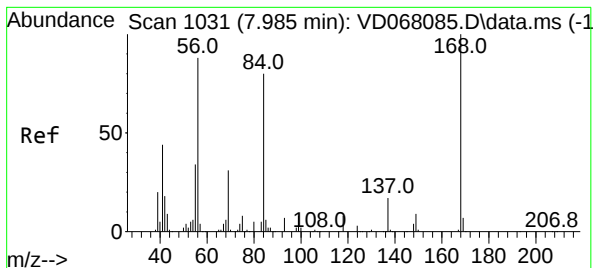
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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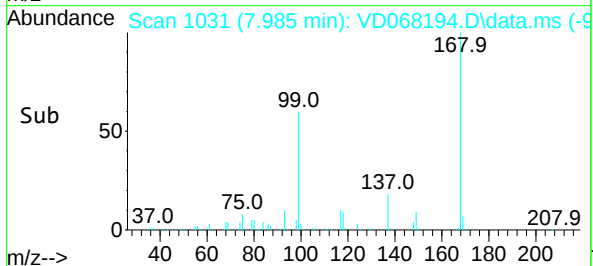
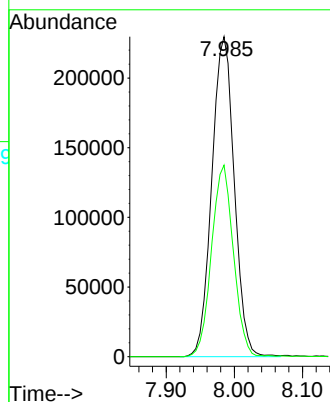
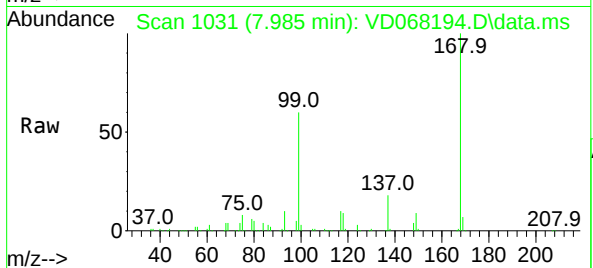




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD068194.D
Acq: 26 Jan 2021 18:50

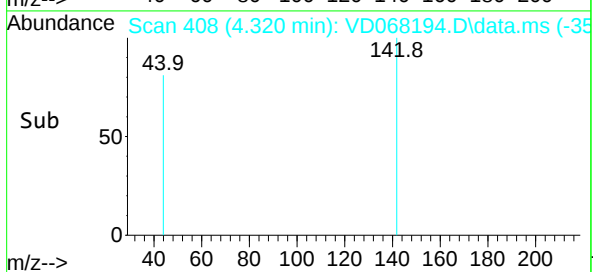
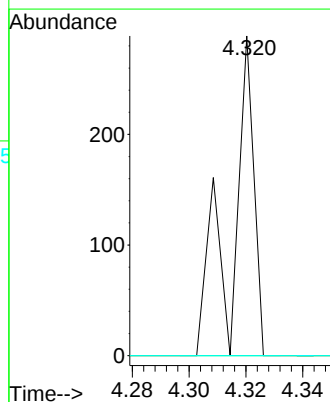
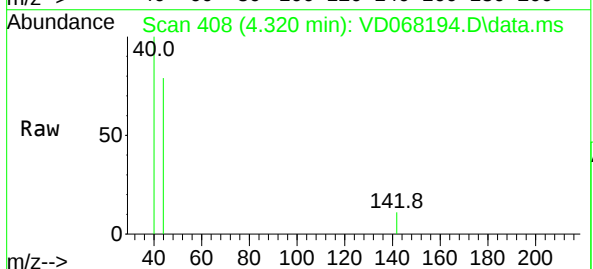
Instrument :
MSVOA_D
ClientSampled :

Tgt Ion:168 Resp: 526255
Ion Ratio Lower Upper
168 100
99 59.8 43.5 65.3



#10
Methyl Iodide
Concen: 3.18 ug/l
RT: 4.320 min Scan# 408
Delta R.T. 0.012 min
Lab File: VD068194.D
Acq: 26 Jan 2021 18:50

Tgt Ion:142 Resp: 159
Ion Ratio Lower Upper
142 100
127 0.0 37.9 56.9#
141 0.0 11.5 17.3#

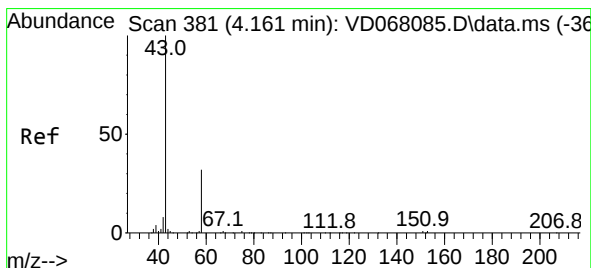
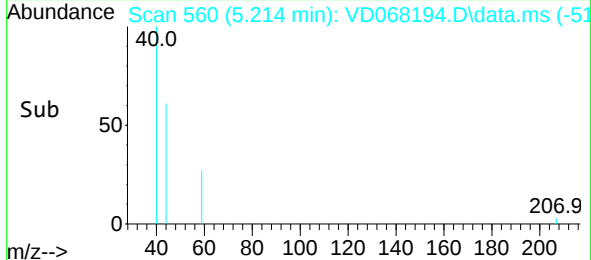
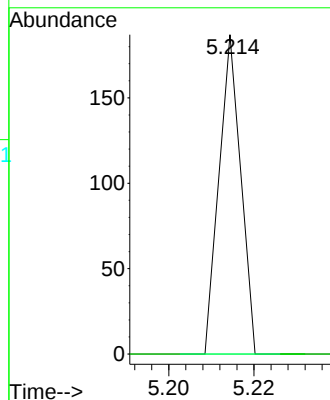
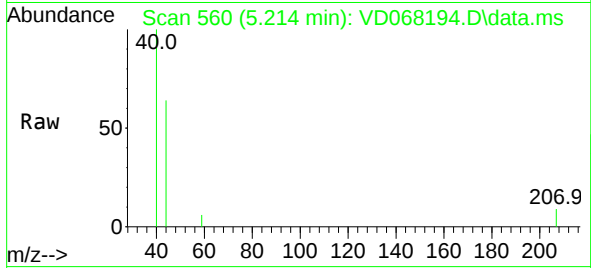




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.214 min Scan# 560
Delta R.T. -0.006 min
Lab File: VD068194.D
Acq: 26 Jan 2021 18:50

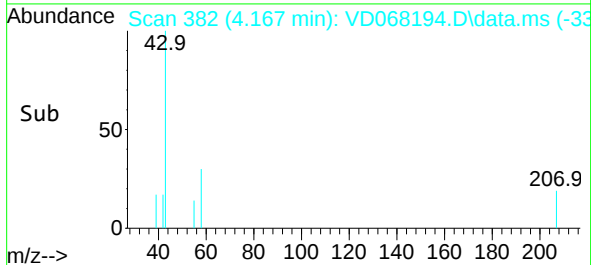
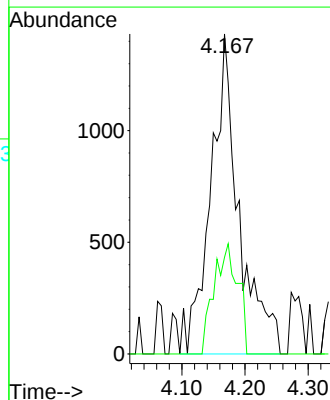
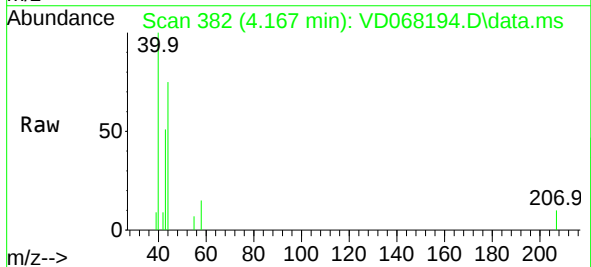
Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 59 Resp: 66
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 4.99 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.006 min
Lab File: VD068194.D
Acq: 26 Jan 2021 18:50

Tgt Ion: 43 Resp: 4481
Ion Ratio Lower Upper
43 100
58 30.2 24.2 36.4

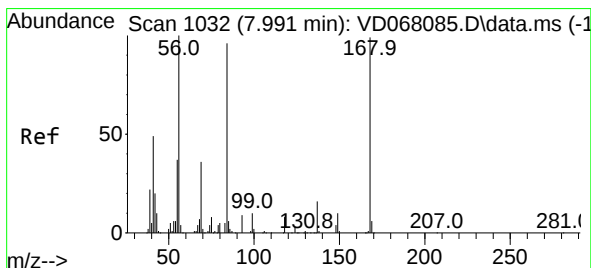
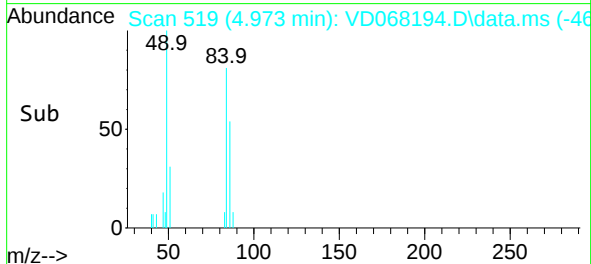
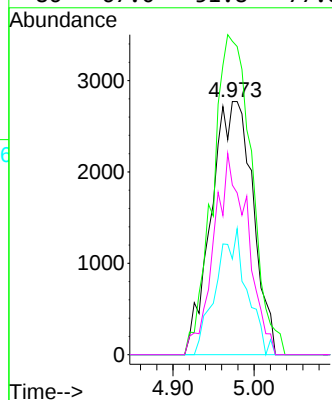
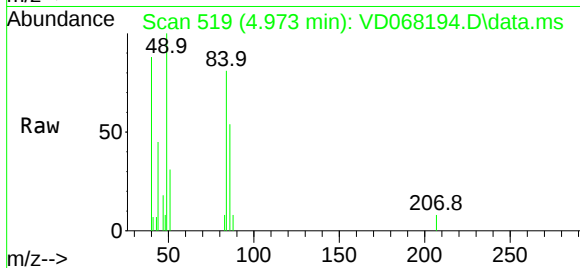




#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.000 min
Lab File: VD068194.D
Acq: 26 Jan 2021 18:50

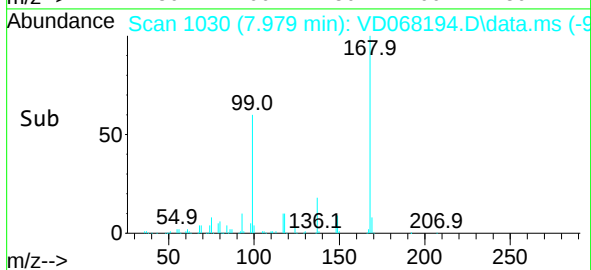
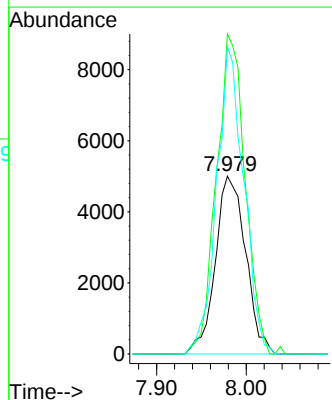
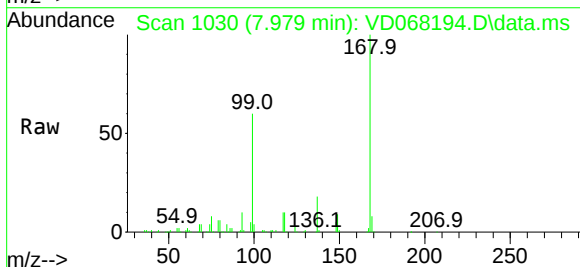
Instrument :
MSVOA_D
ClientSampleId :

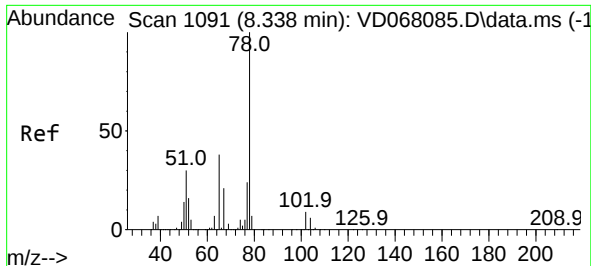
Tgt Ion:	84	Resp:	9844
Ion	Ratio	Lower	Upper
84	100		
49	123.8	77.4	116.2#
51	37.8	26.1	39.1
86	67.0	51.8	77.8



#31
Cyclohexane
Concen: 1.08 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.012 min
Lab File: VD068194.D
Acq: 26 Jan 2021 18:50

Tgt Ion:	56	Resp:	11733
Ion	Ratio	Lower	Upper
56	100		
69	180.1	30.1	45.1#
84	172.9	82.1	123.1#

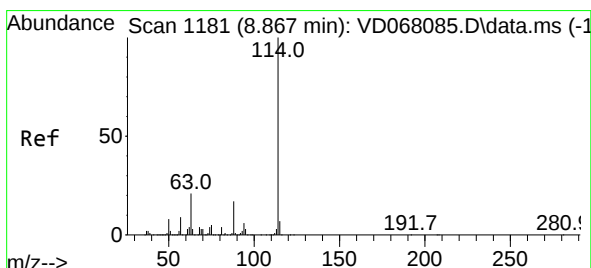
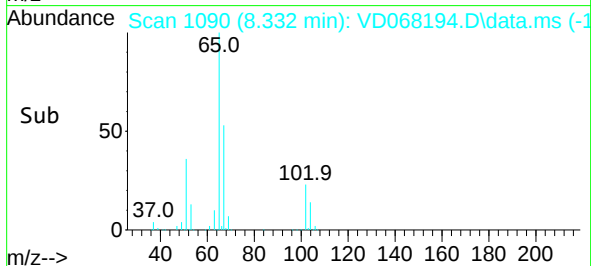
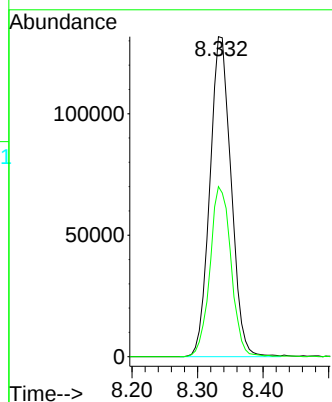
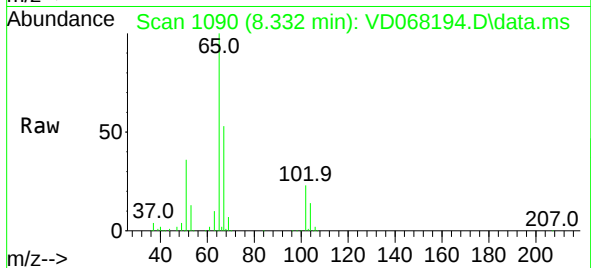




#33
1,2-Dichloroethane-d4
Concen: 58.85 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VD068194.D
Acq: 26 Jan 2021 18:50

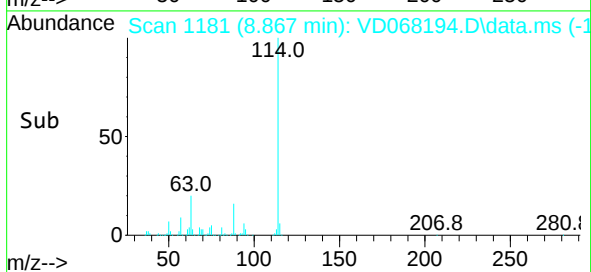
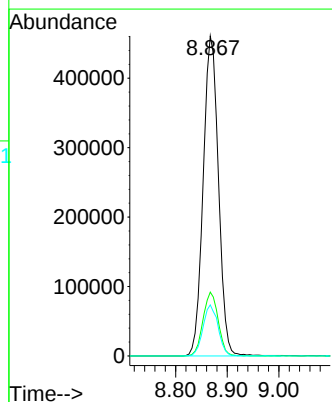
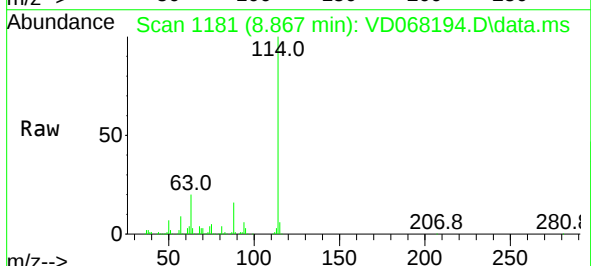
Instrument :
MSVOA_D
ClientSampled :

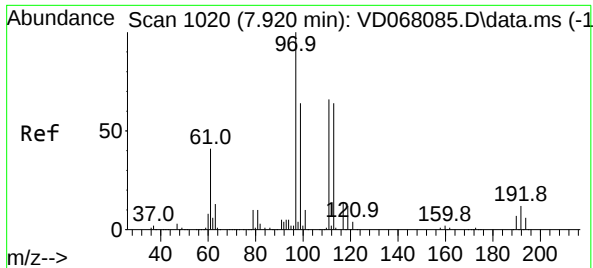
Tgt Ion: 65 Resp: 296280
Ion Ratio Lower Upper
65 100
67 52.8 0.0 105.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068194.D
Acq: 26 Jan 2021 18:50

Tgt Ion: 114 Resp: 946214
Ion Ratio Lower Upper
114 100
63 19.9 0.0 34.8
88 16.0 0.0 31.6

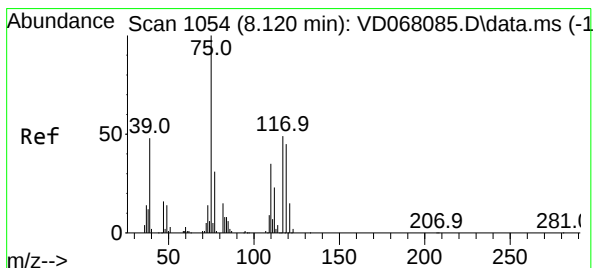
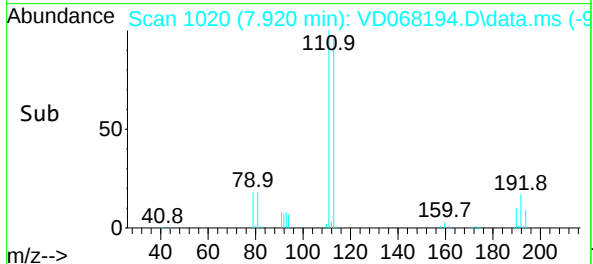
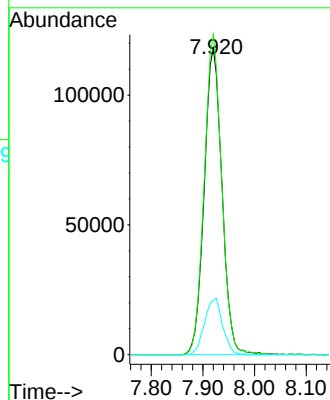
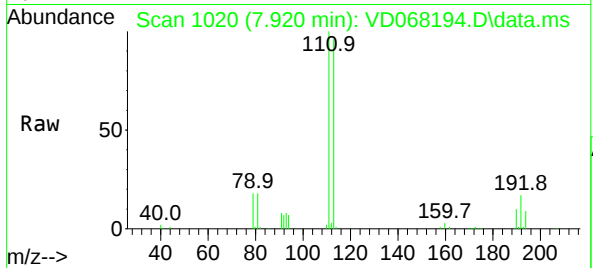




#35
Dibromofluoromethane
Concen: 53.98 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.000 min
Lab File: VD068194.D
Acq: 26 Jan 2021 18:50

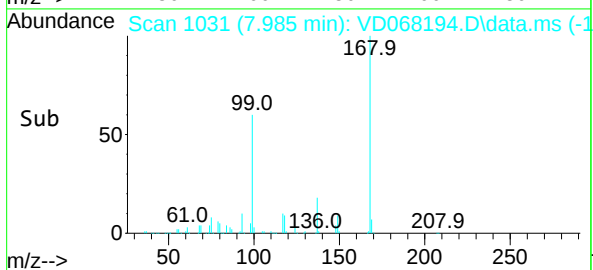
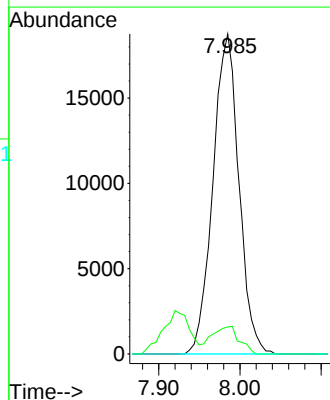
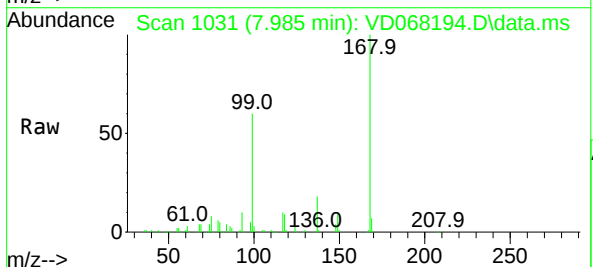
Instrument :
MSVOA_D
ClientSampled :

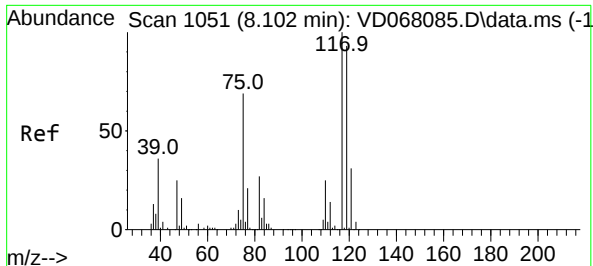
Tgt Ion:113 Resp: 282357
Ion Ratio Lower Upper
113 100
111 102.7 81.4 122.0
192 18.6 16.1 24.1



#36
1,1-Dichloropropene
Concen: 4.37 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.135 min
Lab File: VD068194.D
Acq: 26 Jan 2021 18:50

Tgt Ion: 75 Resp: 41670
Ion Ratio Lower Upper
75 100
110 9.3 19.4 58.2#
77 0.0 25.3 37.9#

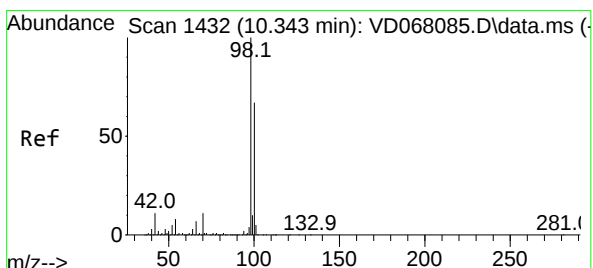
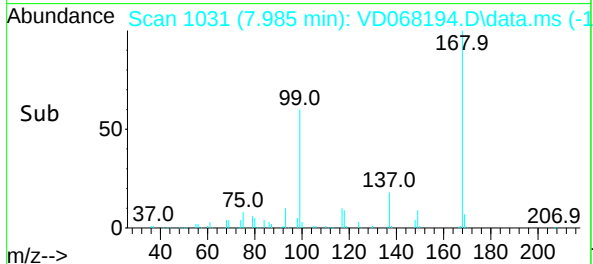
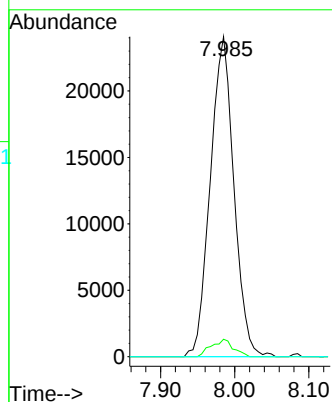
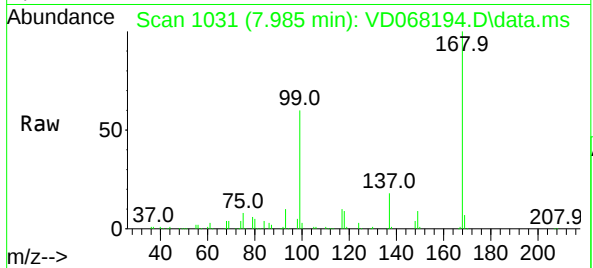




#38
Carbon Tetrachloride
Concen: 5.97 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.117 min
Lab File: VD068194.D
Acq: 26 Jan 2021 18:50

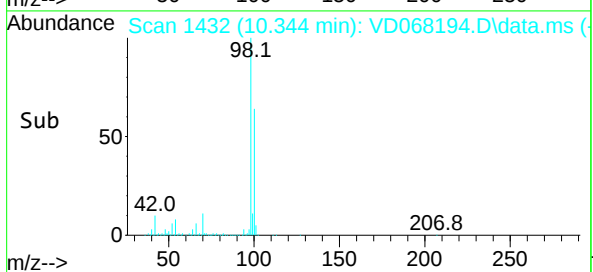
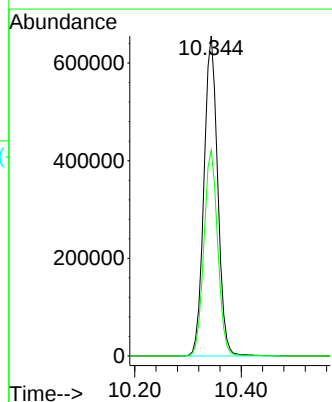
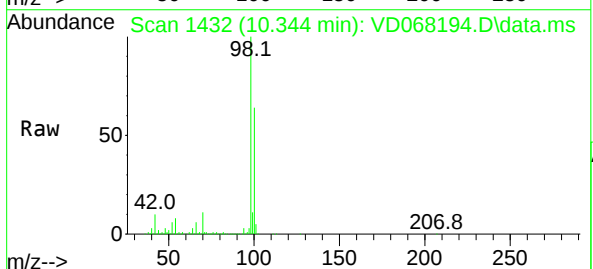
Instrument :
MSVOA_D
ClientSampled :

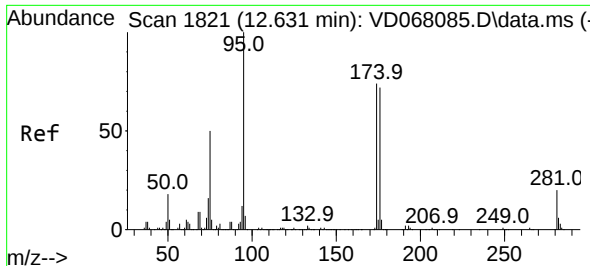
Tgt Ion:117 Resp: 53352
Ion Ratio Lower Upper
117 100
119 5.5 77.3 115.9#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 55.90 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD068194.D
Acq: 26 Jan 2021 18:50

Tgt Ion: 98 Resp: 1169725
Ion Ratio Lower Upper
98 100
100 64.8 53.0 79.4

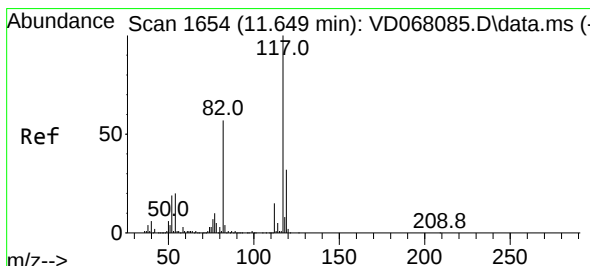
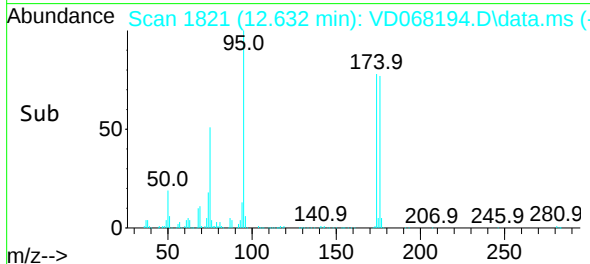
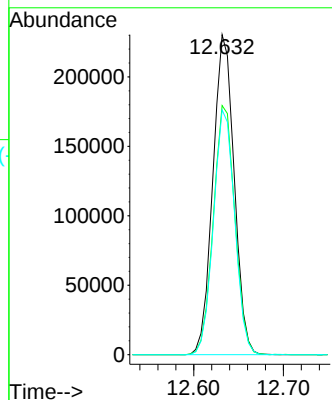
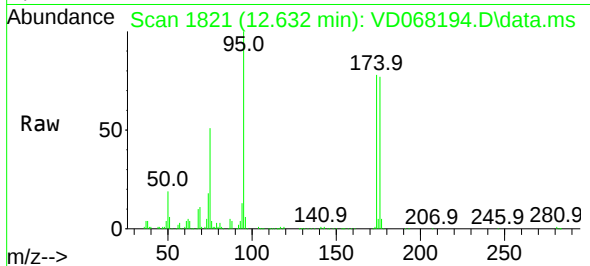




#62
4-Bromofluorobenzene
Concen: 50.39 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068194.D
Acq: 26 Jan 2021 18:50

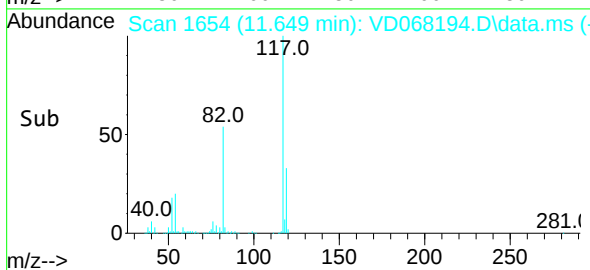
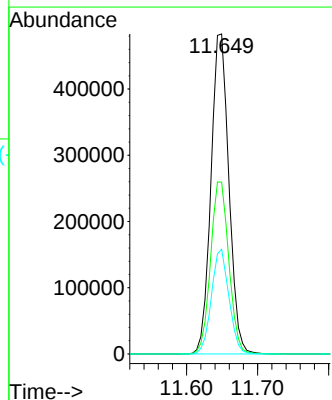
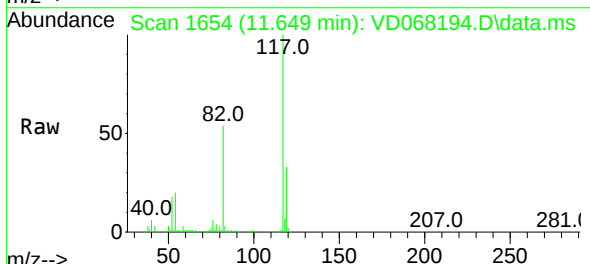
Instrument :
MSVOA_D
ClientSampled :

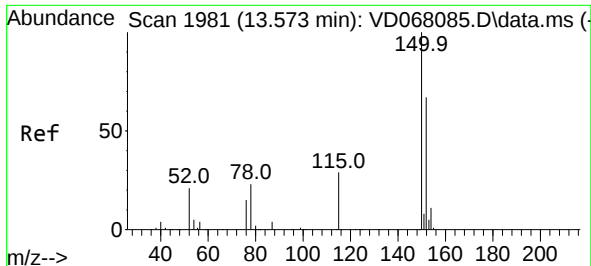
Tgt Ion: 95 Resp: 379690
Ion Ratio Lower Upper
95 100
174 78.8 0.0 172.4
176 76.3 0.0 168.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.649 min Scan# 1654
Delta R.T. 0.000 min
Lab File: VD068194.D
Acq: 26 Jan 2021 18:50

Tgt Ion: 117 Resp: 848304
Ion Ratio Lower Upper
117 100
82 53.7 41.4 62.0
119 32.8 26.1 39.1

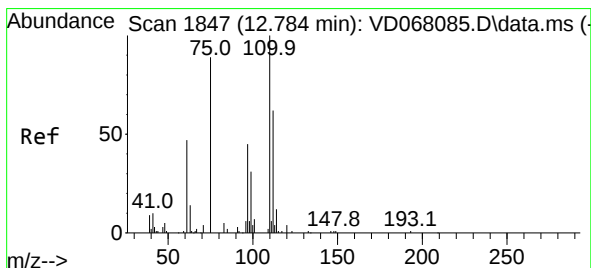
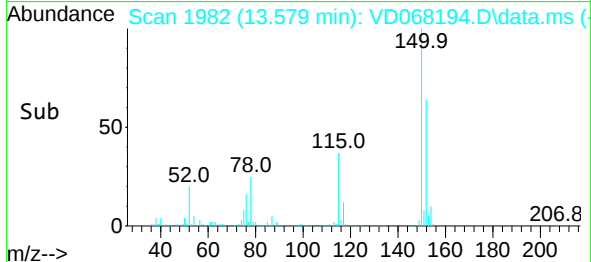
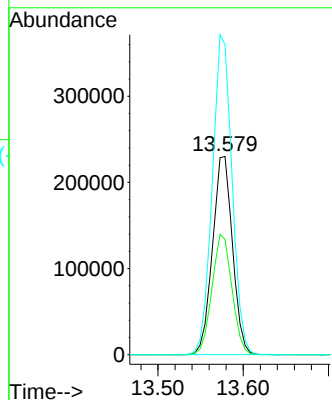
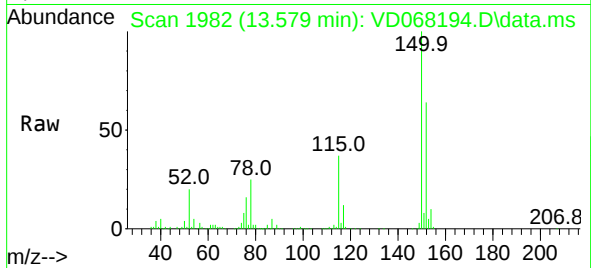




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.579 min Scan# 1982
Delta R.T. 0.006 min
Lab File: VD068194.D
Acq: 26 Jan 2021 18:50

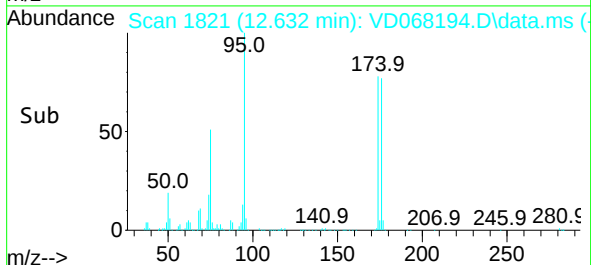
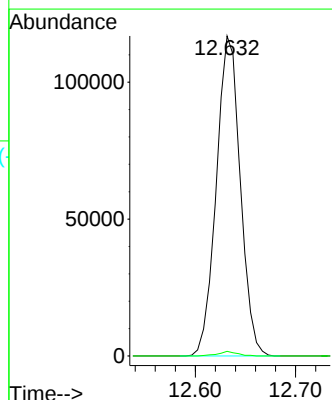
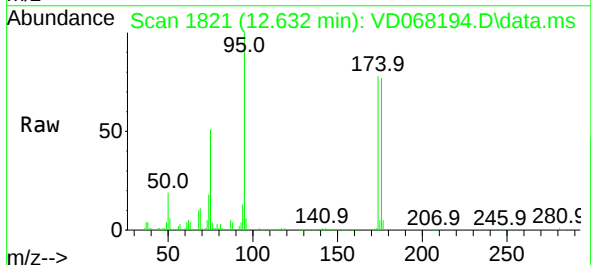
Instrument :
MSVOA_D
ClientSampled :

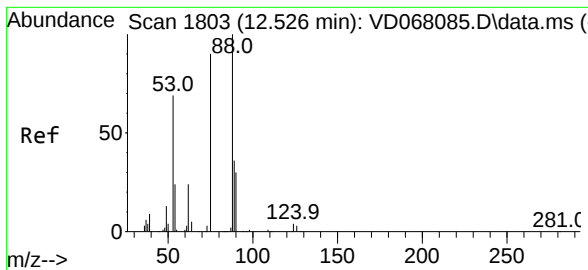
Tgt Ion:152 Resp: 374978
Ion Ratio Lower Upper
152 100
115 60.6 28.9 86.8
150 159.1 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 53.45 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD068194.D
Acq: 26 Jan 2021 18:50

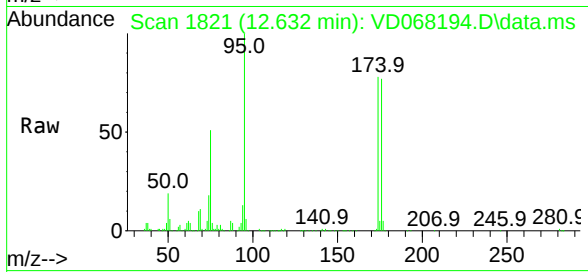
Tgt Ion: 75 Resp: 193774
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 108.15 ug/l
 RT: 12.632 min Scan# 1821
 Delta R.T. 0.106 min
 Lab File: VD068194.D
 Acq: 26 Jan 2021 18:50

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 193774
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.2 105.2#
 89 0.0 40.3 60.5#

