

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071921\
 Data File : VD069755.D
 Acq On : 19 Jul 2021 16:50
 Operator : VA/SY
 Sample : M3039-03
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

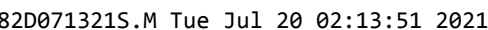
Quant Time: Jul 20 02:13:43 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071321S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 14 06:00:31 2021
 Response via : Initial Calibration

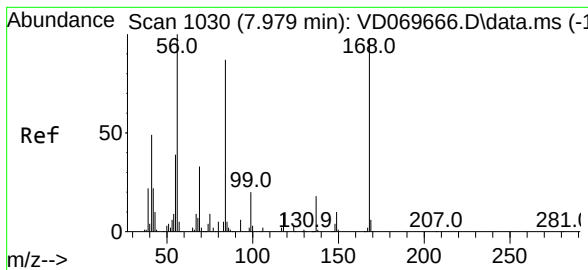
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	11194	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	17790	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	23510	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	11454	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	9588	68.598	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 137.200%			
35) Dibromofluoromethane	7.920	113	5800	48.597	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.200%			
50) Toluene-d8	10.332	98	23244	50.130	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.260%			
62) 4-Bromofluorobenzene	12.626	95	10822	69.982	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 139.960%			
Target Compounds						Qvalue
3) Chloromethane	2.215	50	676	4.011	ug/l #	40
5) Bromomethane	2.797	94	564	3.772	ug/l	93
10) Methyl Iodide	4.303	142	137	3.404	ug/l #	1
16) Acetone	4.156	43	362	24.256	ug/l #	39
18) Methyl Acetate	4.609	43	79	Below Cal	#	49
20) Methylene Chloride	4.956	84	1224	1.616	ug/l #	81
21) trans-1,2-Dichloroethene	5.626	96	166	1.139	ug/l #	1
23) Vinyl Acetate	6.461	43	126	15.963	ug/l #	72
25) 2-Butanone	7.055	43	159	4.813	ug/l #	47
29) Tetrahydrofuran	7.550	42	130	6.352	ug/l #	32
31) Cyclohexane	7.961	56	192	1.205	ug/l #	16
36) 1,1-Dichloropropene	7.979	75	831	4.528	ug/l #	42
37) Ethyl Acetate	7.467	43	126	1.815	ug/l #	67
38) Carbon Tetrachloride	7.967	117	717	4.266	ug/l #	13
41) Methacrylonitrile	7.550	41	80	2.223	ug/l #	18
43) Isopropyl Acetate	8.461	43	172	1.353	ug/l #	47
48) Methyl methacrylate	9.473	41	138	3.147	ug/l #	18
59) 2-Hexanone	10.949	43	65	1.481	ug/l #	22
76) 1,2,3-Trichloropropane	12.626	75	4939	44.387	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	4939	119.287	ug/l #	14
92) 1,2-Dibromo-3-Chloropr...	14.455	75	58	2.397	ug/l #	8

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

Quant Time: Jul 20 02:13:43 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071321S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 14 06:00:31 2021
Response via : Initial Calibration



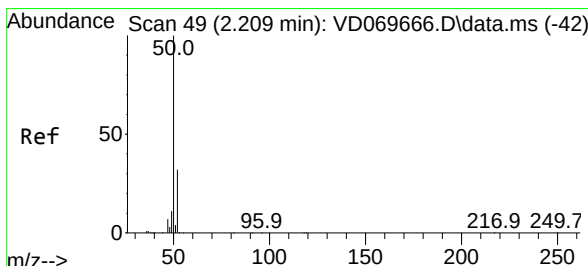
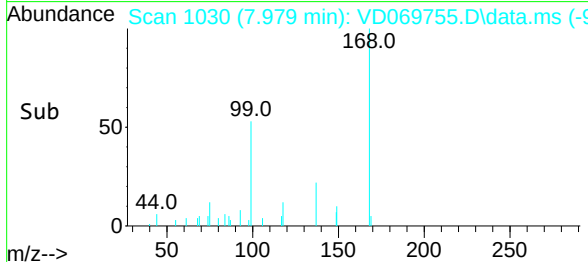
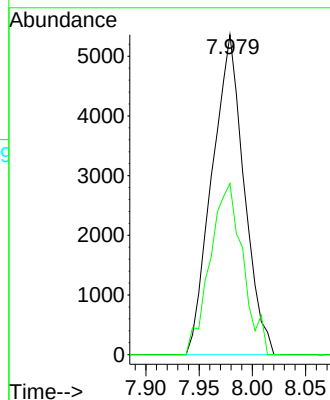
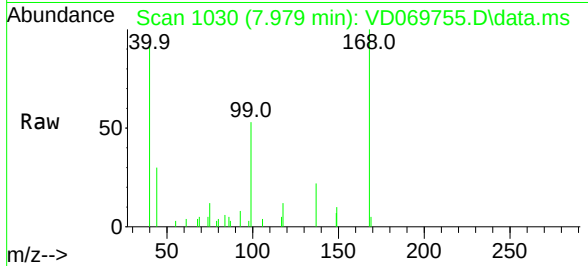


#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.979 min Scan# 1030
 Delta R.T. -0.000 min
 Lab File: VD069755.D
 Acq: 19 Jul 2021 16:50

Instrument :
 MSVOA_D
 ClientSampled :

Tgt Ion: 168 Resp: 11194

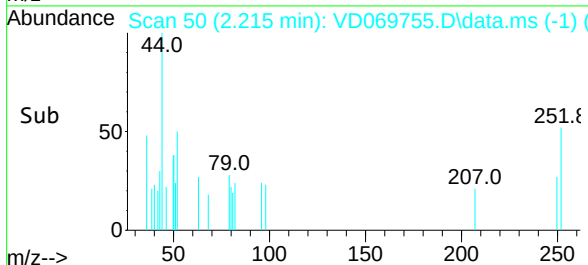
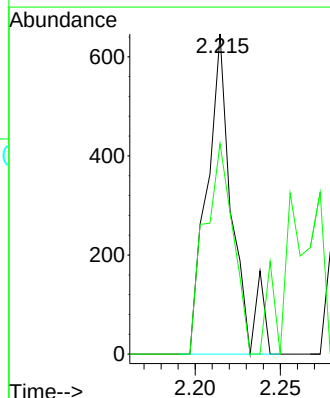
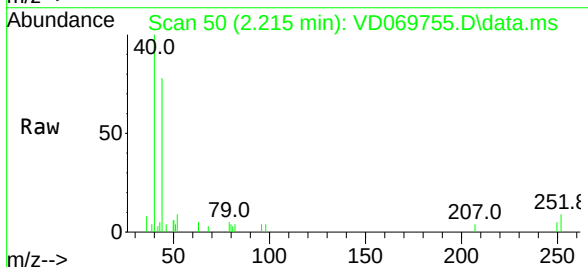
Ion	Ratio	Lower	Upper
168	100		
99	53.5	51.8	77.6

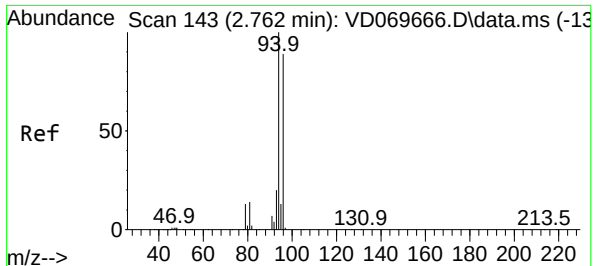


#3
 Chloromethane
 Concen: 4.011 ug/l
 RT: 2.215 min Scan# 50
 Delta R.T. 0.006 min
 Lab File: VD069755.D
 Acq: 19 Jul 2021 16:50

Tgt Ion: 50 Resp: 676

Ion	Ratio	Lower	Upper
50	100		
52	65.8	25.9	38.9

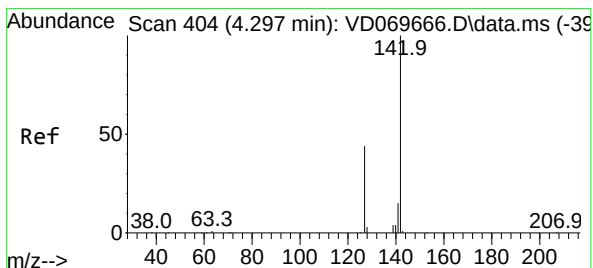
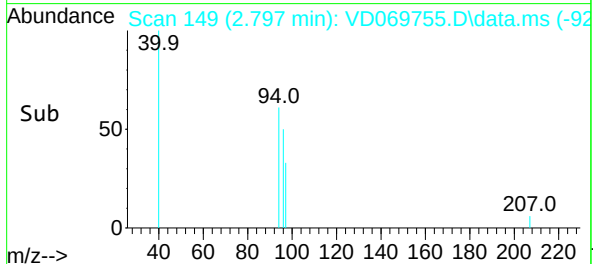
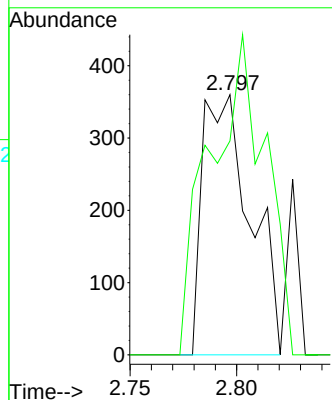
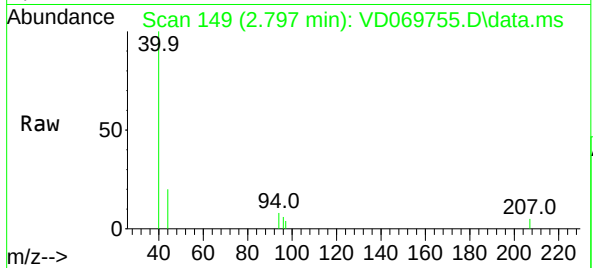




#5
Bromomethane
Concen: 3.772 ug/l
RT: 2.797 min Scan# 149
Delta R.T. 0.035 min
Lab File: VD069755.D
Acq: 19 Jul 2021 16:50

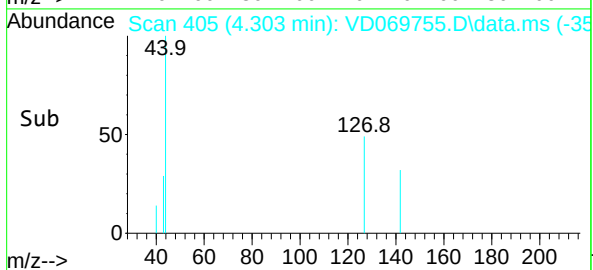
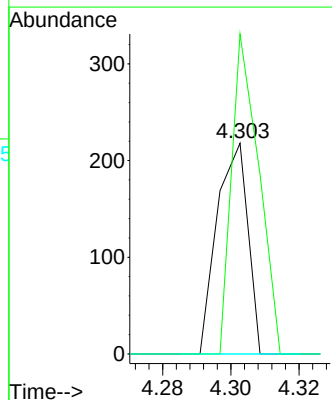
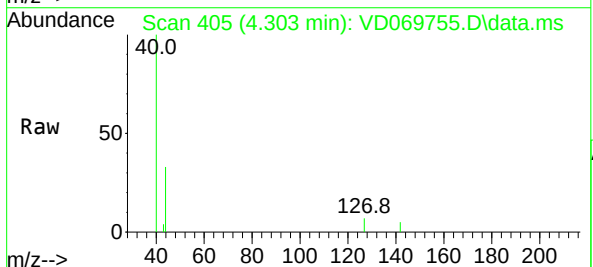
Instrument :
MSVOA_D
ClientSampleId :

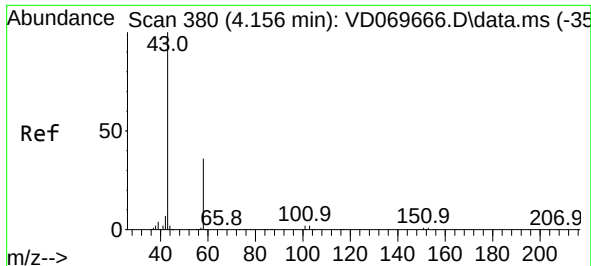
Tgt Ion: 94 Resp: 564
Ion Ratio Lower Upper
94 100
96 82.2 71.2 106.8



#10
Methyl Iodide
Concen: 3.404 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD069755.D
Acq: 19 Jul 2021 16:50

Tgt Ion:142 Resp: 137
Ion Ratio Lower Upper
142 100
127 132.8 36.1 54.1#
141 0.0 11.6 17.4#

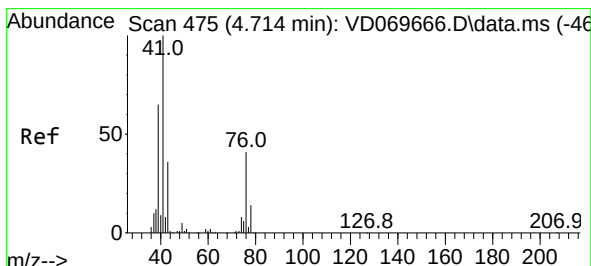
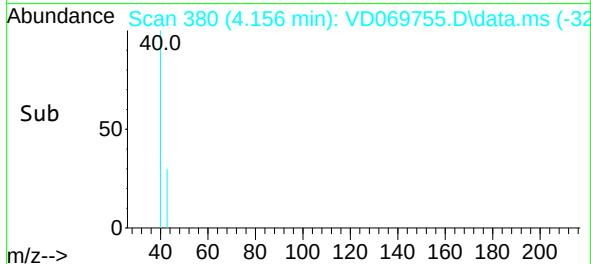
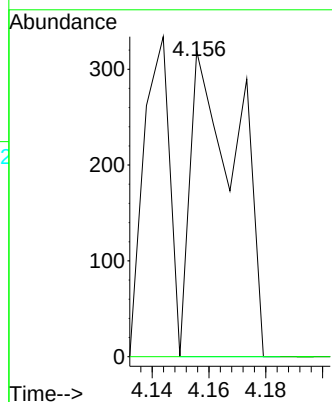
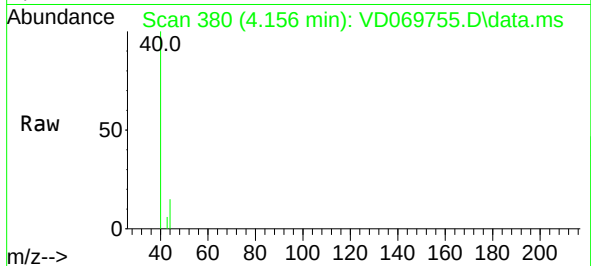




#16
Acetone
Concen: 24.256 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD069755.D
Acq: 19 Jul 2021 16:50

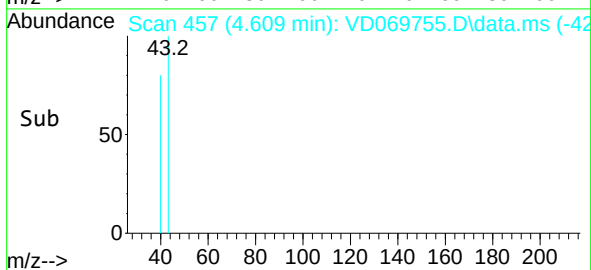
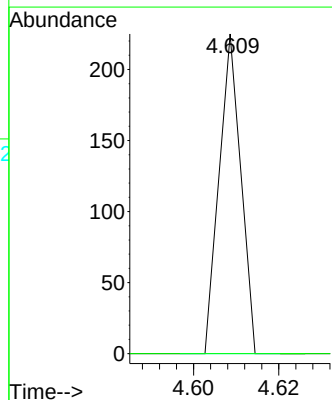
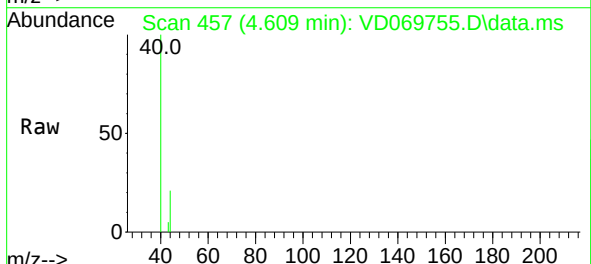
Instrument :
MSVOA_D
ClientSampleId :

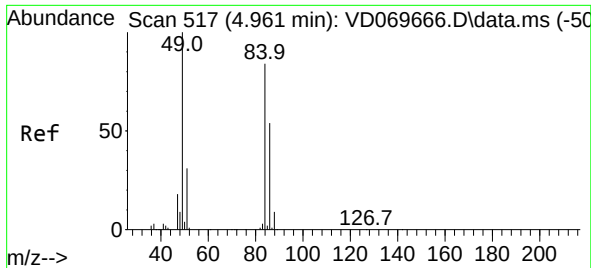
Tgt Ion: 43 Resp: 362
Ion Ratio Lower Upper
43 100
58 0.0 28.6 42.8#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.609 min Scan# 457
Delta R.T. -0.105 min
Lab File: VD069755.D
Acq: 19 Jul 2021 16:50

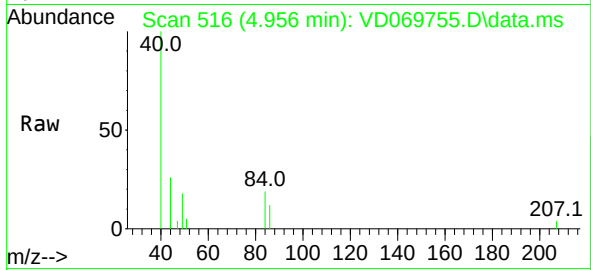
Tgt Ion: 43 Resp: 79
Ion Ratio Lower Upper
43 100
74 0.0 20.6 30.8#



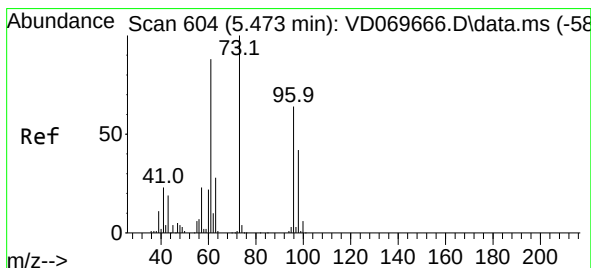
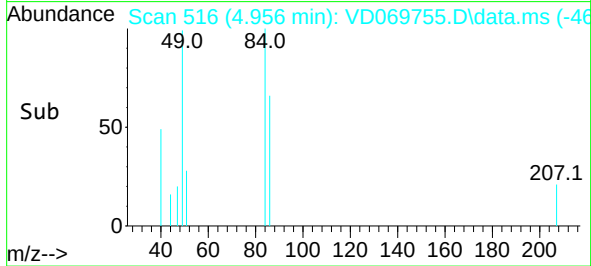
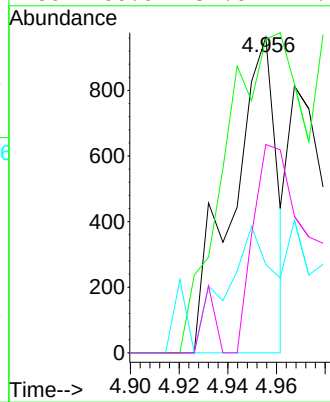


#20
Methylene Chloride
Concen: 1.616 ug/l
RT: 4.956 min Scan# 516
Delta R.T. -0.005 min
Lab File: VD069755.D
Acq: 19 Jul 2021 16:50

Instrument :
MSVOA_D
ClientSampled :

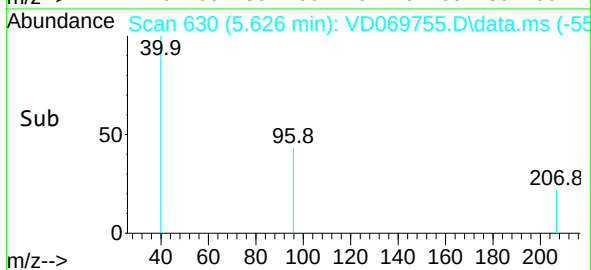
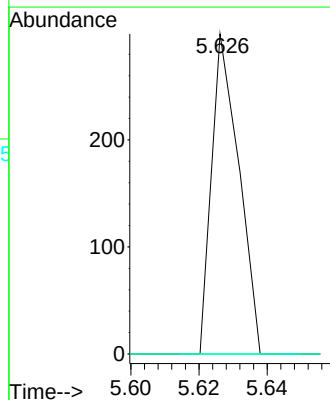
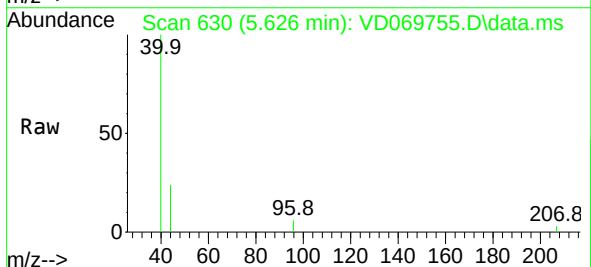


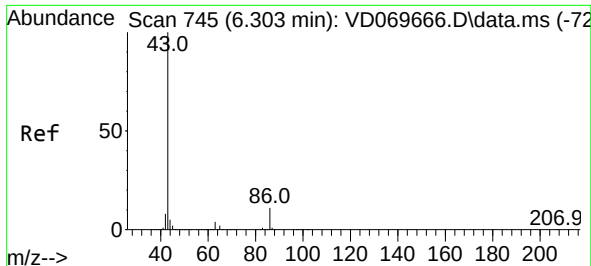
Tgt Ion:	84	Resp:	1224
Ion	Ratio	Lower	Upper
84	100		
49	99.4	95.5	143.3
51	4.8	29.7	44.5#
86	66.0	51.6	77.4



#21
trans-1,2-Dichloroethene
Concen: 1.139 ug/l
RT: 5.626 min Scan# 630
Delta R.T. 0.153 min
Lab File: VD069755.D
Acq: 19 Jul 2021 16:50

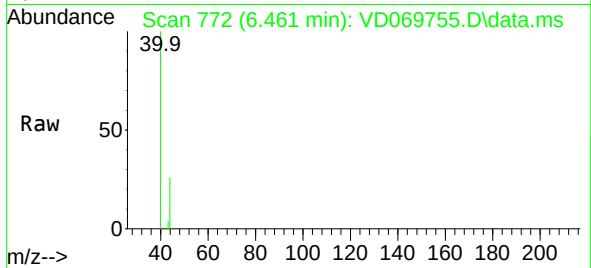
Tgt Ion:	96	Resp:	166
Ion	Ratio	Lower	Upper
96	100		
61	0.0	110.9	166.3#
98	0.0	52.2	78.2#



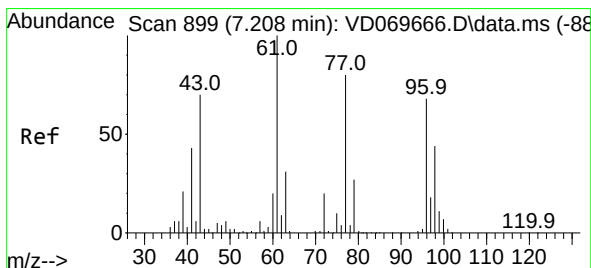
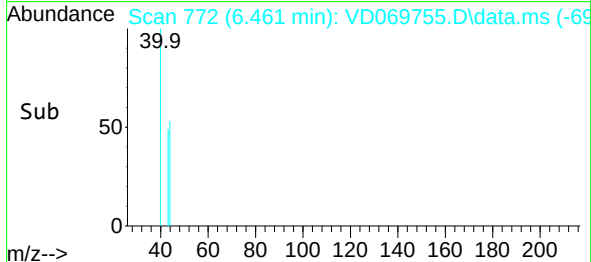
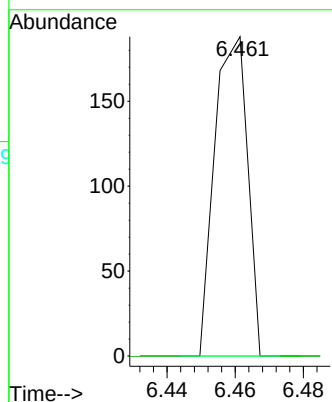


#23
 Vinyl Acetate
 Concen: 15.963 ug/l
 RT: 6.461 min Scan# 772
 Delta R.T. 0.158 min
 Lab File: VD069755.D
 Acq: 19 Jul 2021 16:50

Instrument :
 MSVOA_D
 ClientSampleId :

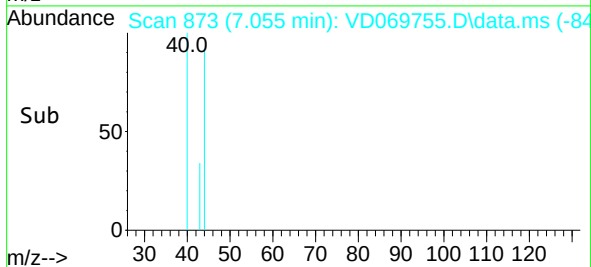
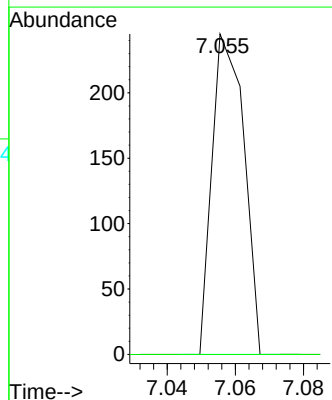
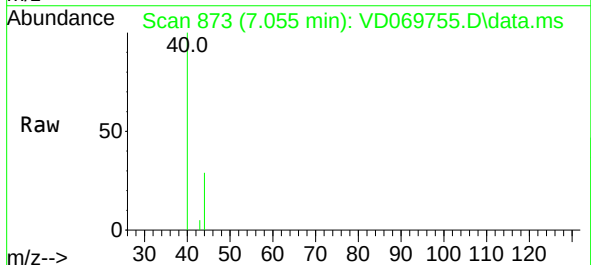


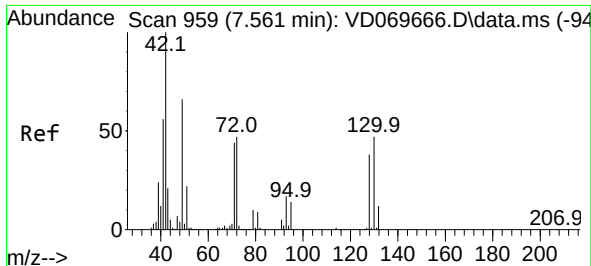
Tgt Ion: 43 Resp: 126
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 12.8#



#25
 2-Butanone
 Concen: 4.813 ug/l
 RT: 7.055 min Scan# 873
 Delta R.T. -0.153 min
 Lab File: VD069755.D
 Acq: 19 Jul 2021 16:50

Tgt Ion: 43 Resp: 159
 Ion Ratio Lower Upper
 43 100
 72 0.0 22.6 33.8#





#29

Tetrahydrofuran

Concen: 6.352 ug/l

RT: 7.550 min Scan# 957

Delta R.T. -0.011 min

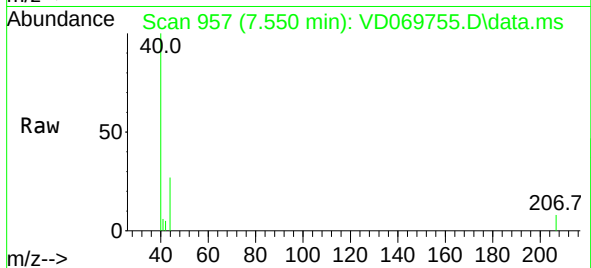
Lab File: VD069755.D

Acq: 19 Jul 2021 16:50

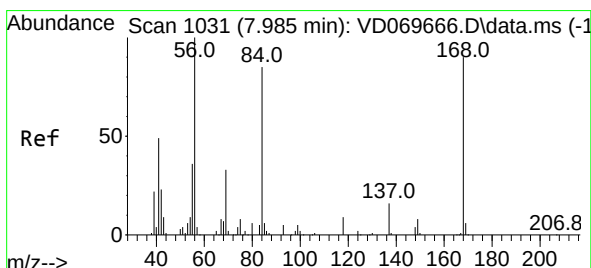
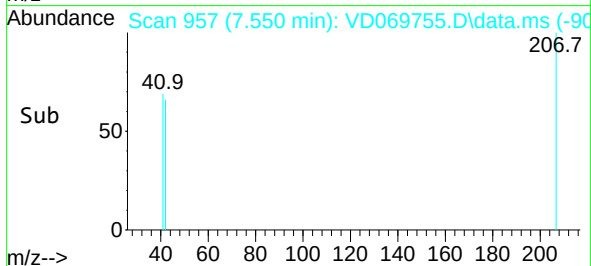
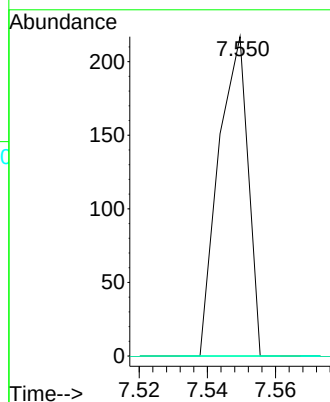
Instrument :

MSVOA_D

ClientSampled :



Tgt Ion:	42	Resp:	130
Ion	Ratio	Lower	Upper
42	100		
72	0.0	36.5	54.7#
71	0.0	33.4	50.0#



#31

Cyclohexane

Concen: 1.205 ug/l

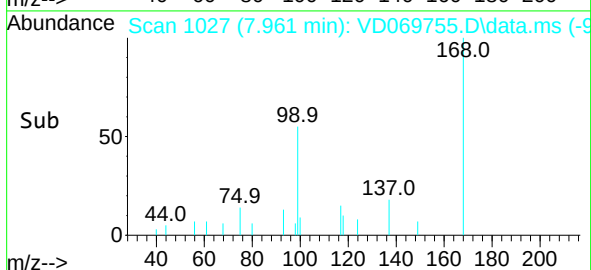
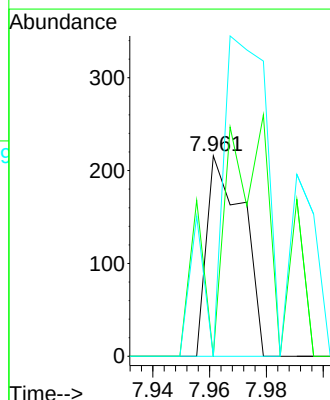
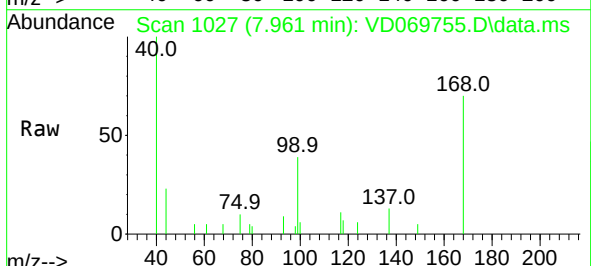
RT: 7.961 min Scan# 1027

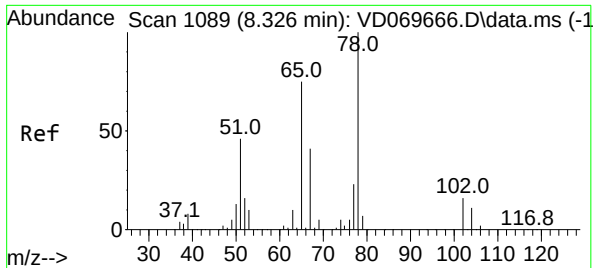
Delta R.T. -0.024 min

Lab File: VD069755.D

Acq: 19 Jul 2021 16:50

Tgt Ion:	56	Resp:	192
Ion	Ratio	Lower	Upper
56	100		
69	0.0	26.6	39.8#
84	0.0	68.2	102.2#

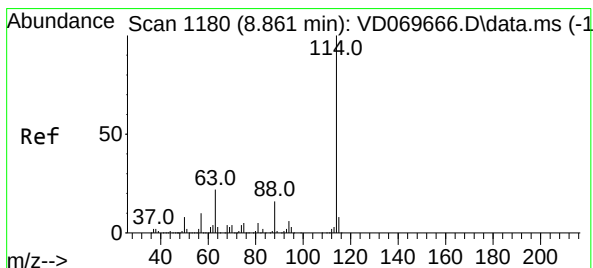
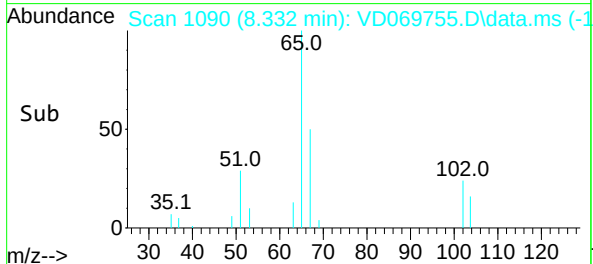
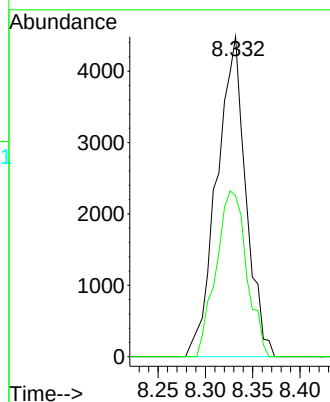
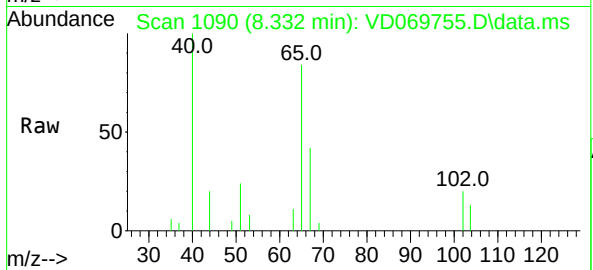




#33
1,2-Dichloroethane-d4
Concen: 68.598 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD069755.D
Acq: 19 Jul 2021 16:50

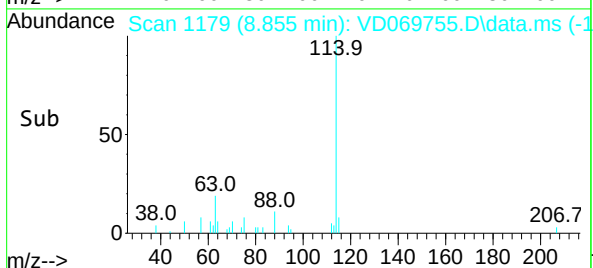
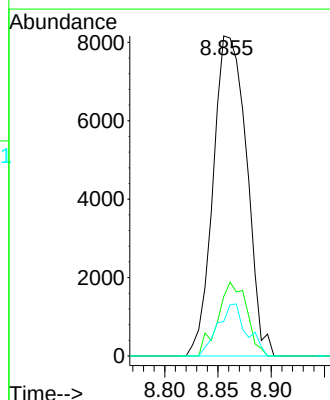
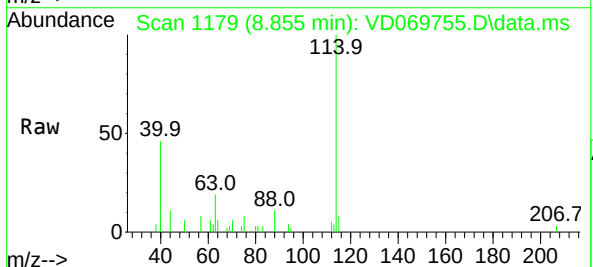
Instrument :
MSVOA_D
ClientSampled :

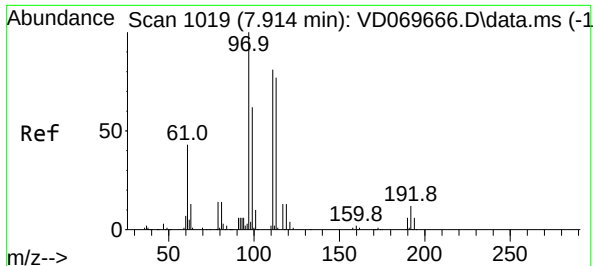
Tgt Ion: 65 Resp: 9588
Ion Ratio Lower Upper
65 100
67 54.3 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1179
Delta R.T. -0.006 min
Lab File: VD069755.D
Acq: 19 Jul 2021 16:50

Tgt Ion:114 Resp: 17790
Ion Ratio Lower Upper
114 100
63 18.5 0.0 43.4
88 10.8 0.0 32.0

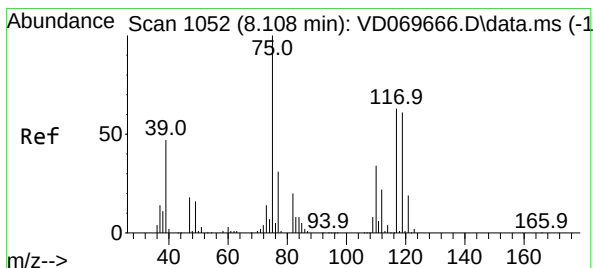
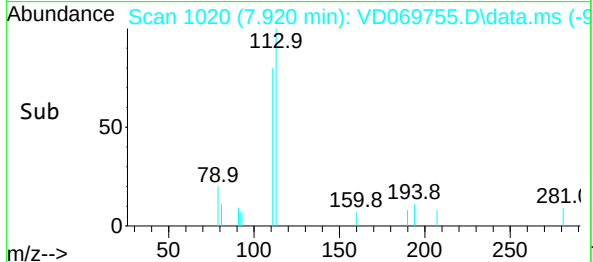
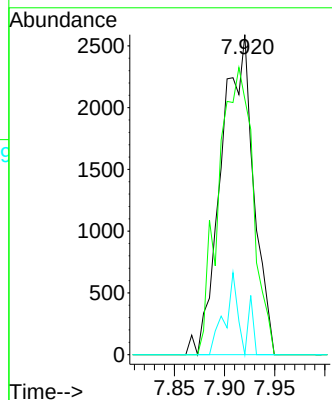
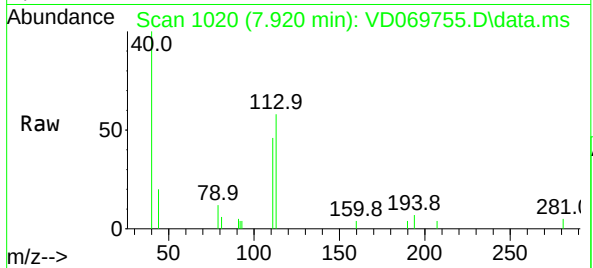




#35
Dibromofluoromethane
Concen: 48.597 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.006 min
Lab File: VD069755.D
Acq: 19 Jul 2021 16:50

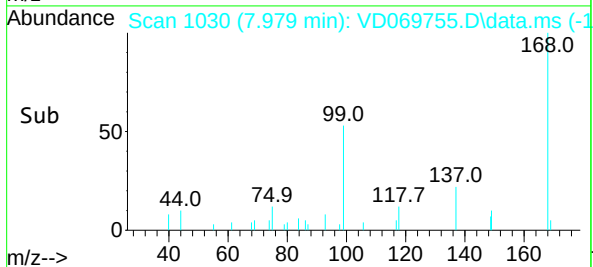
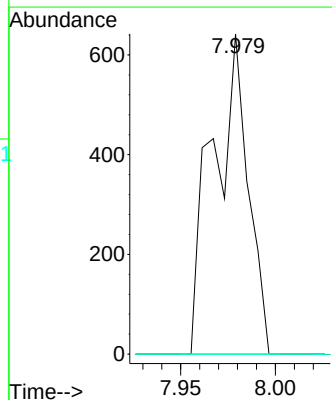
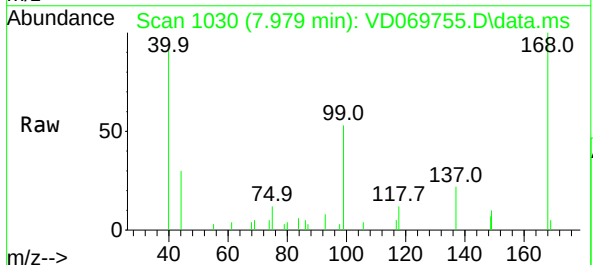
Instrument :
MSVOA_D
ClientSampled :

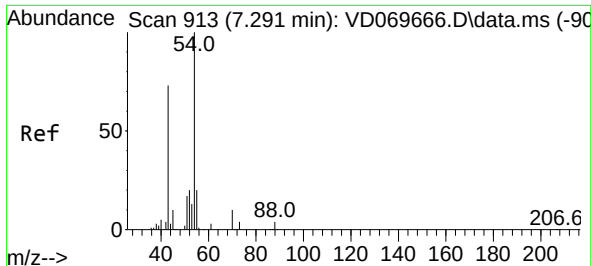
Tgt Ion:113 Resp: 5800
Ion Ratio Lower Upper
113 100
111 95.0 82.6 123.8
192 10.1 12.7 19.1#



#36
1,1-Dichloropropene
Concen: 4.528 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD069755.D
Acq: 19 Jul 2021 16:50

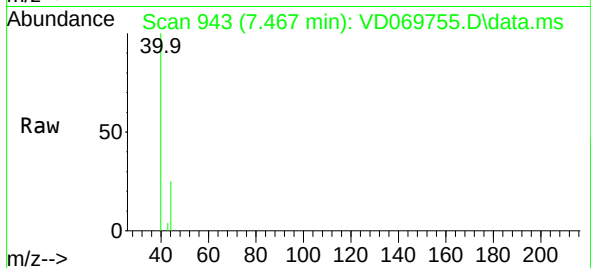
Tgt Ion: 75 Resp: 831
Ion Ratio Lower Upper
75 100
110 0.0 16.7 50.0#
77 0.0 25.3 37.9#



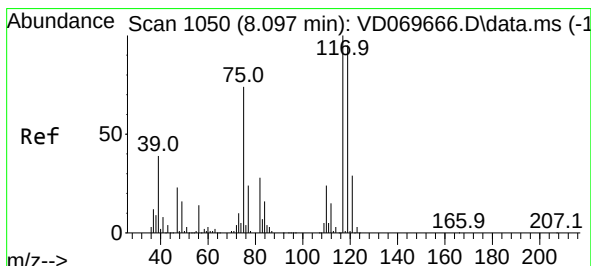
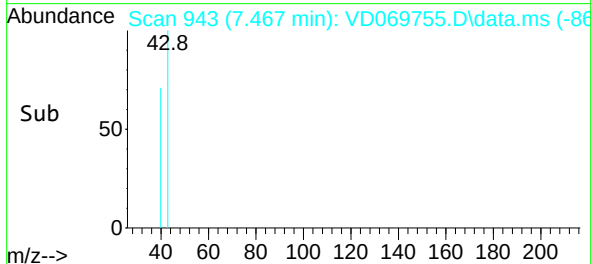
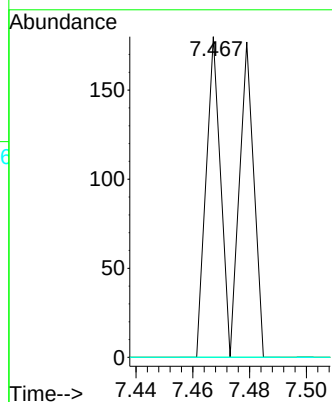


#37
Ethyl Acetate
Concen: 1.815 ug/l
RT: 7.467 min Scan# 943
Delta R.T. 0.176 min
Lab File: VD069755.D
Acq: 19 Jul 2021 16:50

Instrument :
MSVOA_D
ClientSampled :

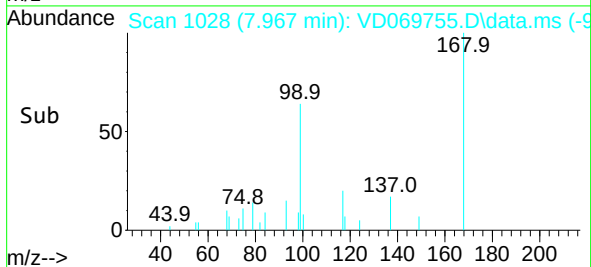
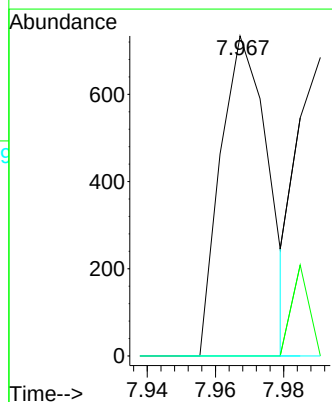
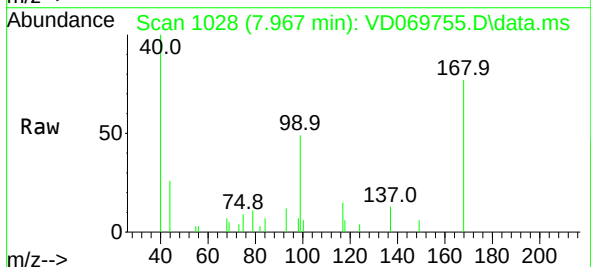


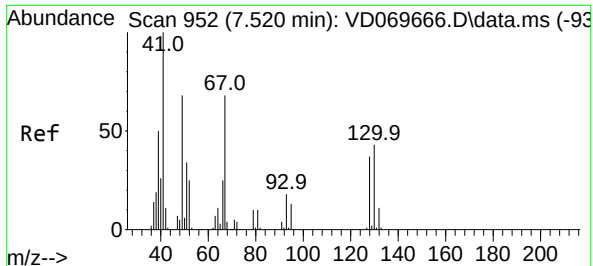
Tgt Ion: 43 Resp: 126
Ion Ratio Lower Upper
43 100
61 0.0 12.1 18.1#
70 0.0 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 4.266 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.130 min
Lab File: VD069755.D
Acq: 19 Jul 2021 16:50

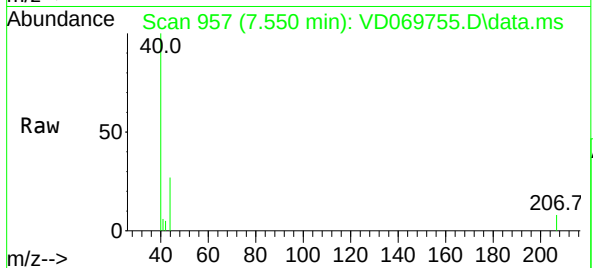
Tgt Ion: 117 Resp: 717
Ion Ratio Lower Upper
117 100
119 0.0 75.7 113.5#
121 0.0 23.0 34.6#



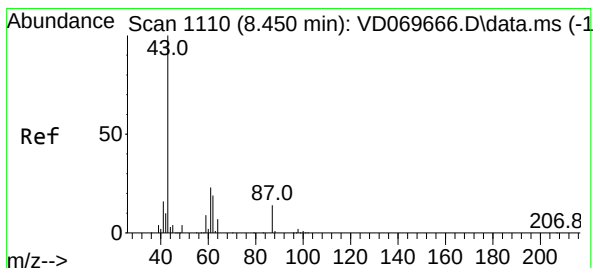
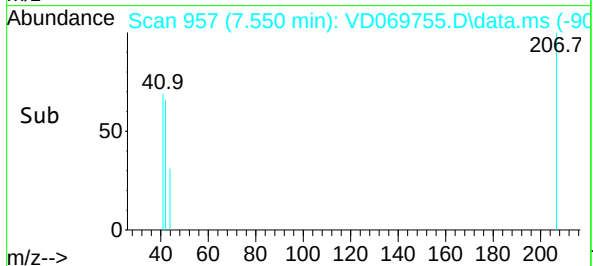
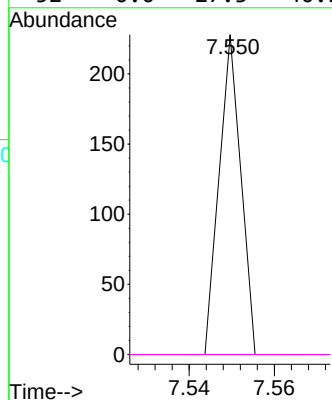


#41
Methacrylonitrile
Concen: 2.223 ug/l
RT: 7.550 min Scan# 957
Delta R.T. 0.030 min
Lab File: VD069755.D
Acq: 19 Jul 2021 16:50

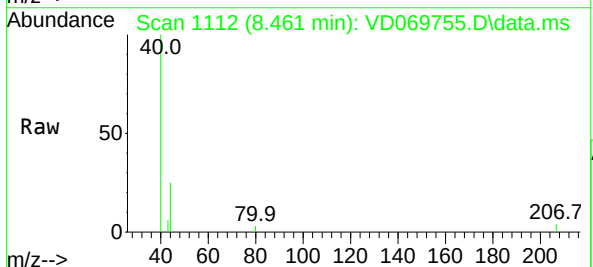
Instrument :
MSVOA_D
ClientSampleId :



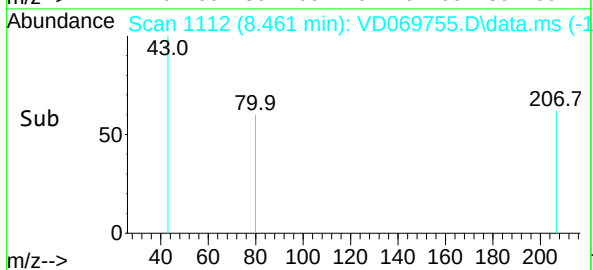
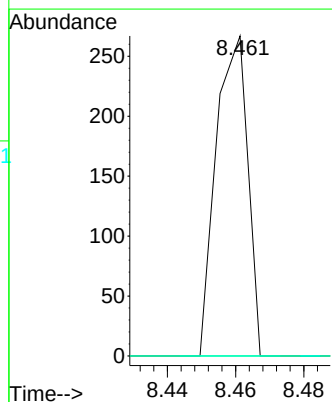
Tgt Ion:	41	Resp:	80
Ion	Ratio	Lower	Upper
41	100		
39	0.0	47.4	71.0#
67	0.0	67.0	100.6#
52	0.0	27.3	40.9#

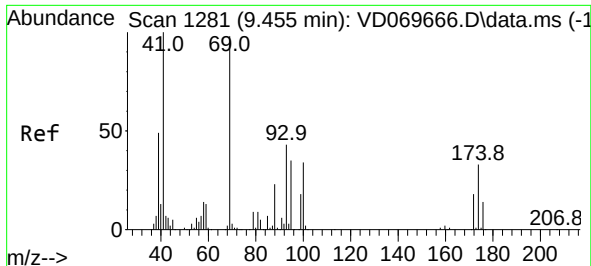


#43
Isopropyl Acetate
Concen: 1.353 ug/l
RT: 8.461 min Scan# 1112
Delta R.T. 0.011 min
Lab File: VD069755.D
Acq: 19 Jul 2021 16:50



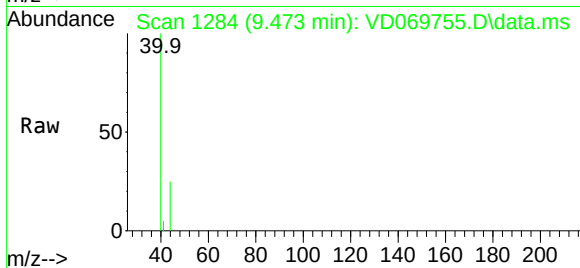
Tgt Ion:	43	Resp:	172
Ion	Ratio	Lower	Upper
43	100		
61	0.0	27.8	41.6#
87	0.0	11.0	16.6#



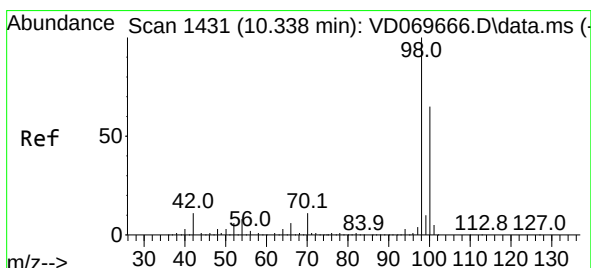
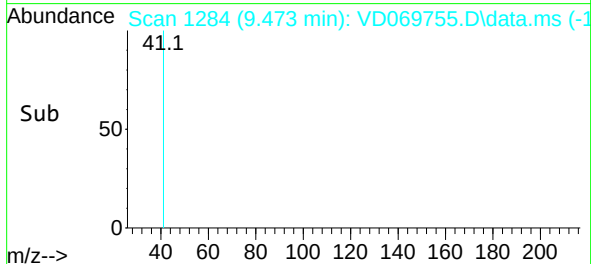
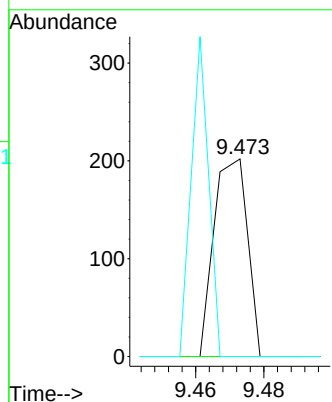


#48
Methyl methacrylate
Concen: 3.147 ug/l
RT: 9.473 min Scan# 1284
Delta R.T. 0.018 min
Lab File: VD069755.D
Acq: 19 Jul 2021 16:50

Instrument :
MSVOA_D
ClientSampleId :

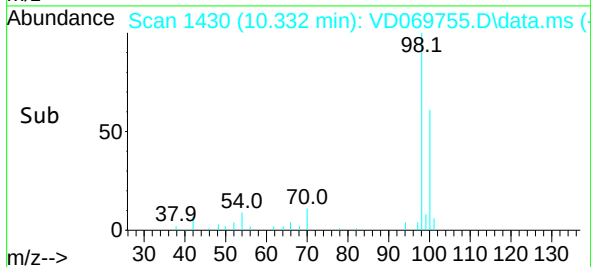
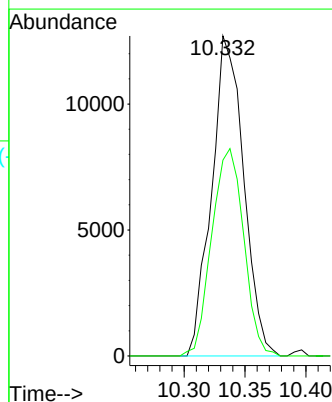
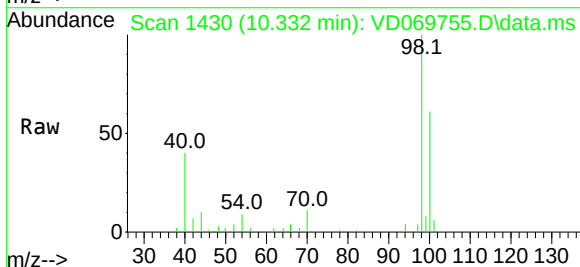


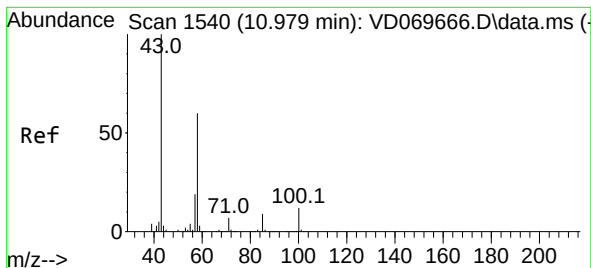
Tgt Ion: 41 Resp: 138
Ion Ratio Lower Upper
41 100
69 0.0 71.6 107.4#
39 83.3 36.7 55.1#



#50
Toluene-d8
Concen: 50.130 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD069755.D
Acq: 19 Jul 2021 16:50

Tgt Ion: 98 Resp: 23244
Ion Ratio Lower Upper
98 100
100 64.7 52.2 78.2

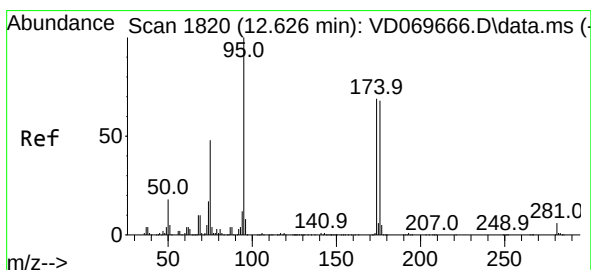
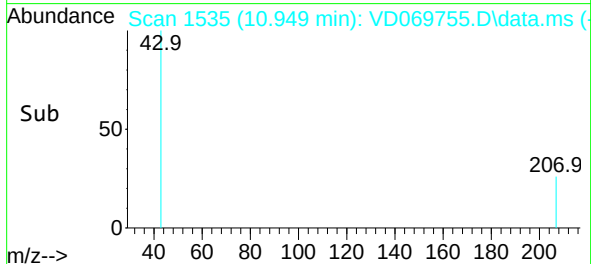
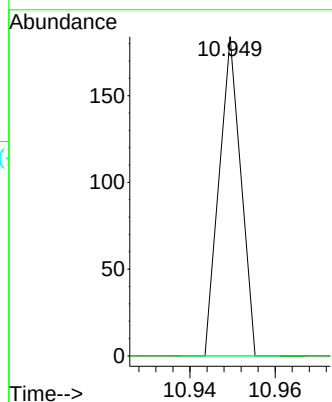
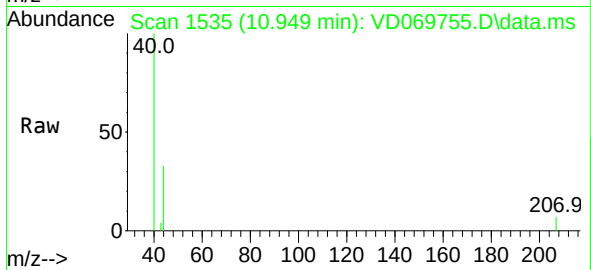




#59
2-Hexanone
Concen: 1.481 ug/l
RT: 10.949 min Scan# 1535
Delta R.T. -0.030 min
Lab File: VD069755.D
Acq: 19 Jul 2021 16:50

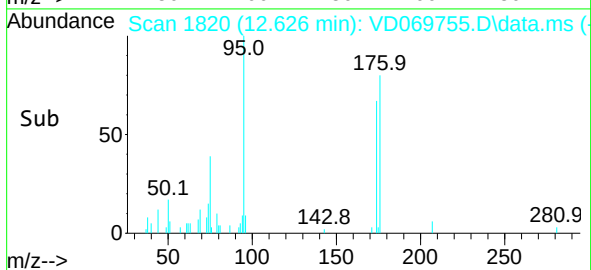
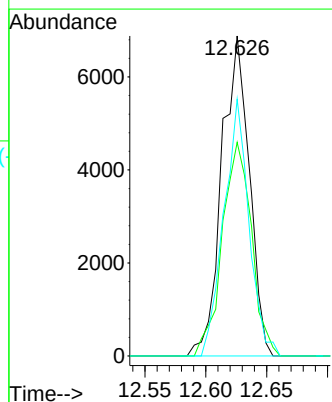
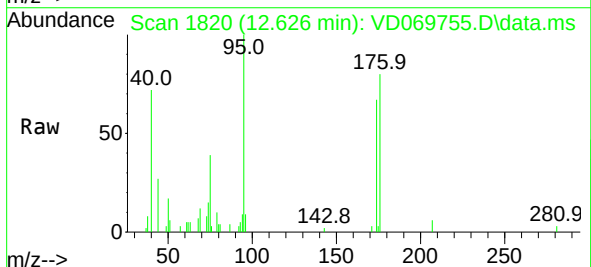
Instrument :
MSVOA_D
ClientSampled :

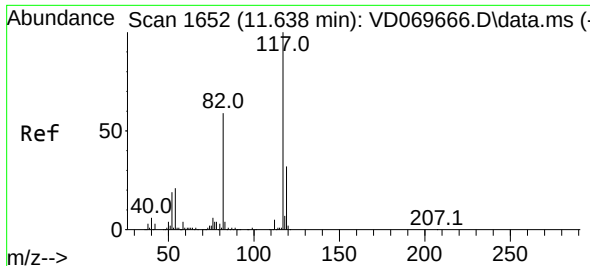
Tgt Ion: 43 Resp: 65
Ion Ratio Lower Upper
43 100
58 0.0 29.1 87.4#



#62
4-Bromofluorobenzene
Concen: 69.982 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069755.D
Acq: 19 Jul 2021 16:50

Tgt Ion: 95 Resp: 10822
Ion Ratio Lower Upper
95 100
174 70.9 0.0 140.0
176 73.3 0.0 136.2

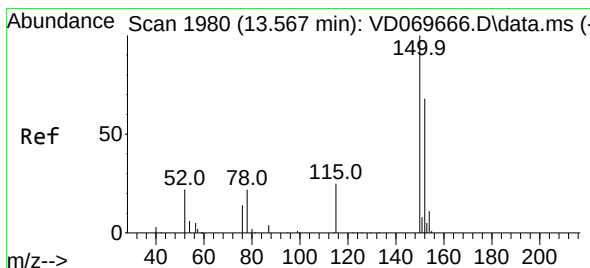
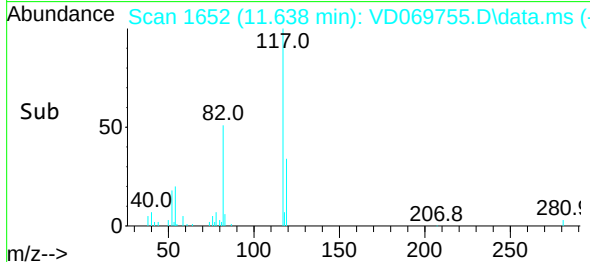
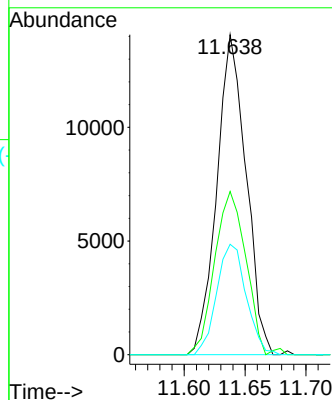
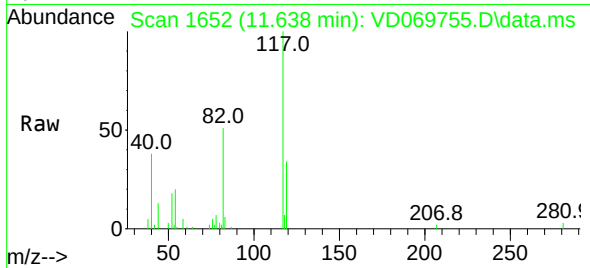




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069755.D
Acq: 19 Jul 2021 16:50

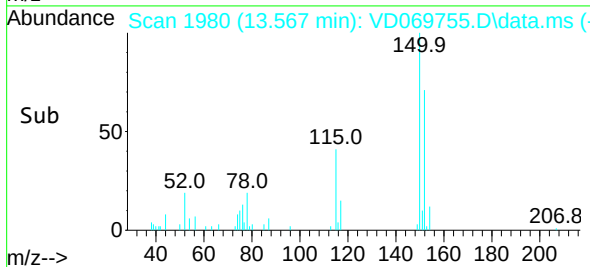
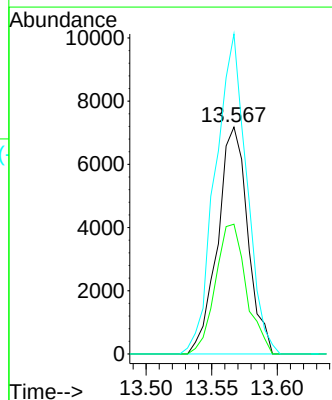
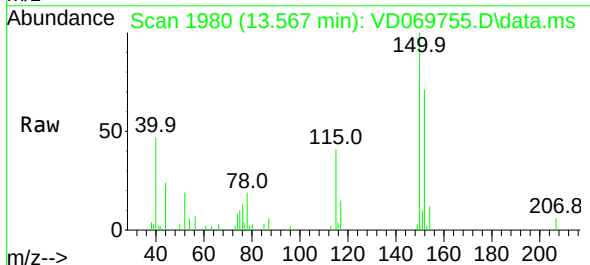
Instrument :
MSVOA_D
ClientSampleId :

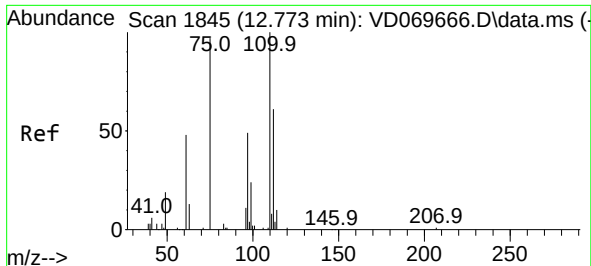
Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.0	47.4	71.2
119	34.5	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069755.D
Acq: 19 Jul 2021 16:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.6	31.7	95.1
150	146.9	0.0	350.4

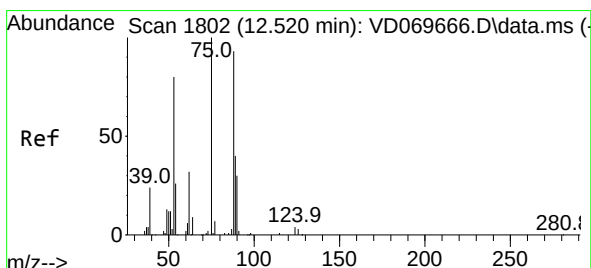
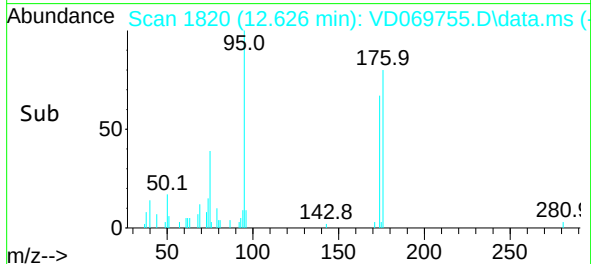
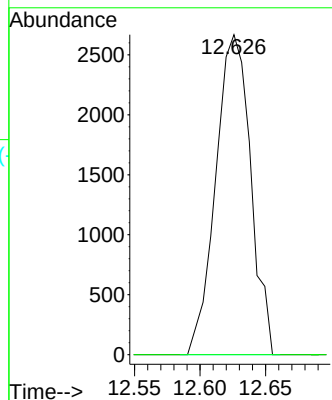
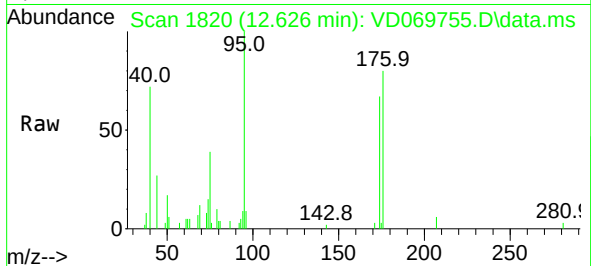




#76
1,2,3-Trichloropropane
Concen: 44.387 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069755.D
Acq: 19 Jul 2021 16:50

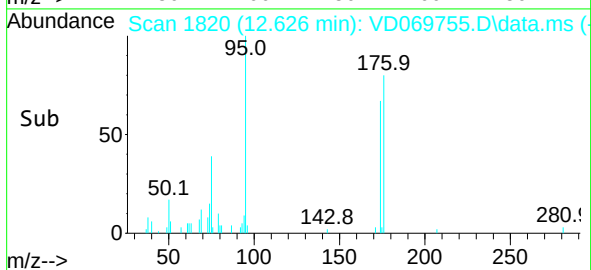
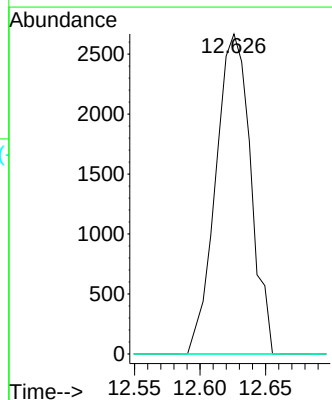
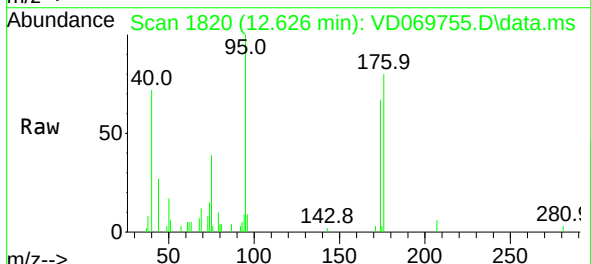
Instrument :
MSVOA_D
ClientSampleId :

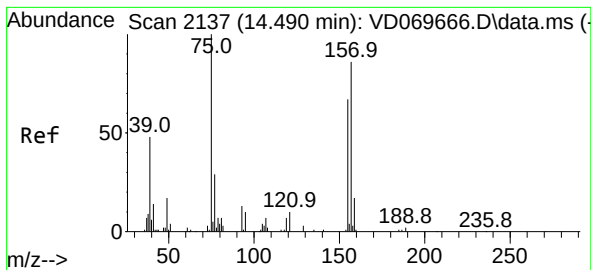
Tgt Ion: 75 Resp: 4939
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 119.287 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069755.D
Acq: 19 Jul 2021 16:50

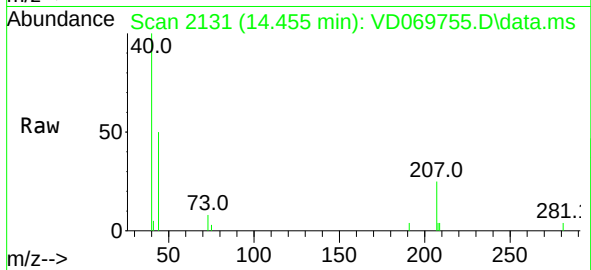
Tgt Ion: 75 Resp: 4939
Ion Ratio Lower Upper
75 100
53 0.0 70.6 106.0#
89 0.0 35.1 52.7#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.397 ug/l
 RT: 14.455 min Scan# 2131
 Delta R.T. -0.035 min
 Lab File: VD069755.D
 Acq: 19 Jul 2021 16:50

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 58
 Ion Ratio Lower Upper
 75 100
 155 0.0 35.9 107.7#
 157 0.0 45.6 136.9#

