

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072321\
 Data File : VN067892.D
 Acq On : 23 Jul 2021 20:09
 Operator : JC/MD
 Sample : M3150-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 24 01:44:05 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 07 16:18:53 2021
 Response via : Initial Calibration

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

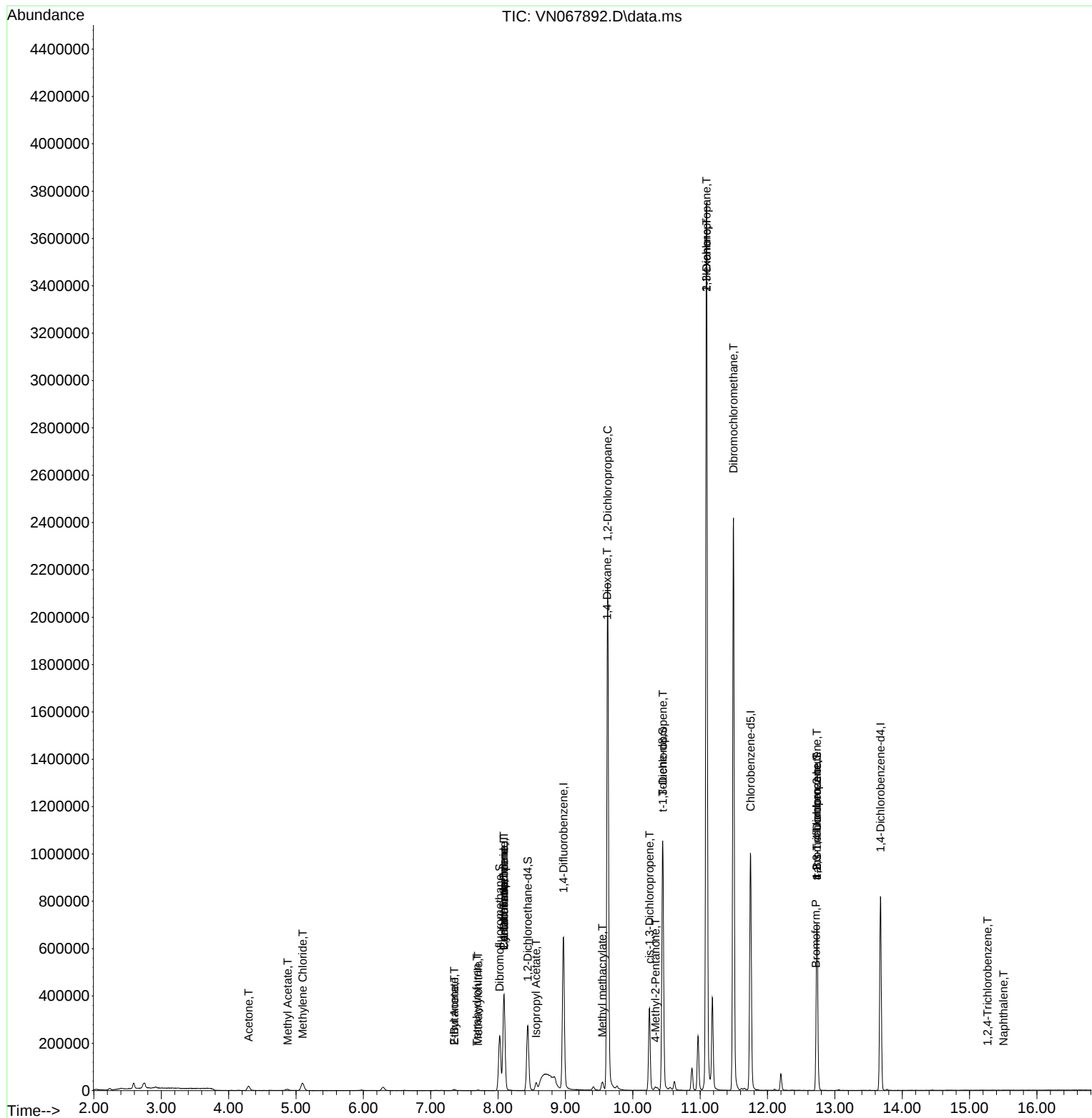
Internal Standards						
1) Pentafluorobenzene	8.088	168	286079	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	567472	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	591555	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	210221	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	230015	53.201	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 106.400%			
35) Dibromofluoromethane	8.024	113	170443	49.713	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 99.420%			
50) Toluene-d8	10.443	98	734949	51.213	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.420%			
62) 4-Bromofluorobenzene	12.734	95	250498	49.412	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 98.820%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.829	94	60	Below Cal	#	4
6) Chloroethane	2.995	64	25	Below Cal	#	44
13) Acrolein	4.044	56	207	Below Cal	#	1
16) Acetone	4.296	43	34853	25.619	ug/l	94
18) Methyl Acetate	4.875	43	10959	2.868	ug/l	96
20) Methylene Chloride	5.101	84	25551	7.453	ug/l	# 83
25) 2-Butanone	7.351	43	7982	3.533	ug/l	# 87
29) Tetrahydrofuran	7.686	42	389	0.262	ug/l	# 35
31) Cyclohexane	8.088	56	7748	1.278	ug/l	# 21
36) 1,1-Dichloropropene	8.088	75	26712	5.067	ug/l	# 52
37) Ethyl Acetate	7.351	43	7982	1.563	ug/l	# 69
38) Carbon Tetrachloride	8.088	117	32242	6.201	ug/l	# 17
41) Methacrylonitrile	7.705	41	1087	0.414	ug/l	# 42
43) Isopropyl Acetate	8.566	43	39951	4.447	ug/l	# 91
45) 1,2-Dichloropropane	9.625	63	2573	0.644	ug/l	# 44
48) Methyl methacrylate	9.550	41	9136	2.299	ug/l	# 12
49) 1,4-Dioxane	9.620	88	133	33.762	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.339	43	6873	1.245	ug/l	# 79
53) t-1,3-Dichloropropene	10.449	75	94	1.758	ug/l	92
54) cis-1,3-Dichloropropene	10.247	75	60867	9.877	ug/l	# 62
57) 1,3-Dichloropropane	11.095	76	39953	5.882	ug/l	# 43
59) 2-Hexanone	11.095	43	580126	150.578	ug/l	# 55
60) Dibromochloromethane	11.495	129	152	2.387	ug/l	# 11
71) Bromoform	12.720	173	167	3.217	ug/l	# 1
76) 1,2,3-Trichloropropane	12.734	75	137959	32.135	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.734	75	137959	103.607	ug/l	# 6
93) 1,2,4-Trichlorobenzene	15.268	180	55	2.689	ug/l	# 12
95) Naphthalene	15.504	128	54	3.017	ug/l	# 69

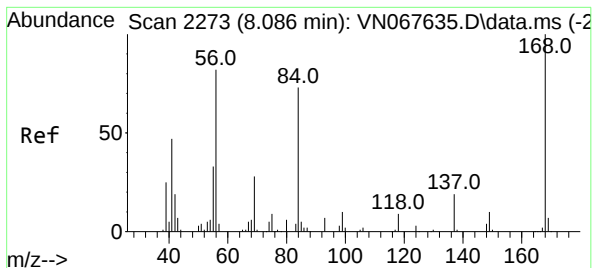
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jul 07 16:18:53 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.002 min

Lab File: VN067892.D

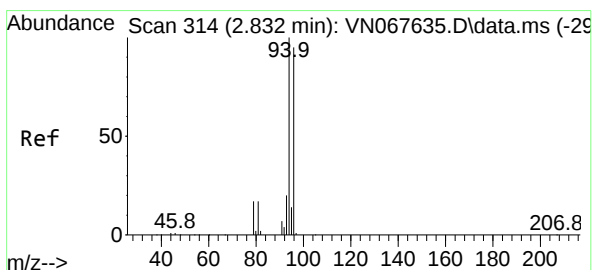
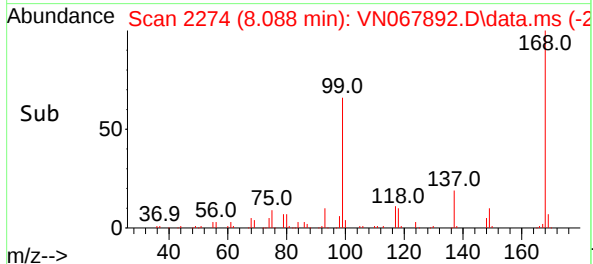
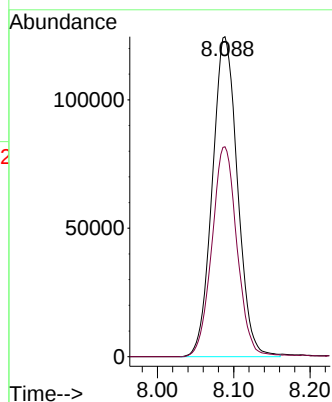
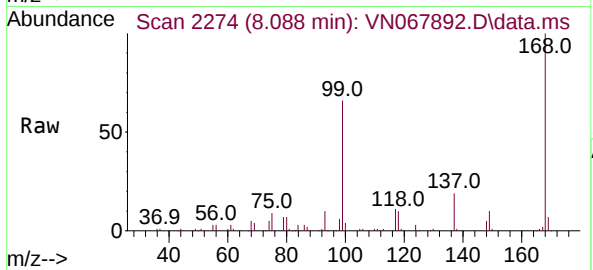
Acq: 23 Jul 2021 20:09

Tgt Ion:168 Resp: 286079

Ion Ratio Lower Upper

168 100

99 65.6 62.9 94.3



#5

Bromomethane

Concen: Below Cal

RT: 2.829 min Scan# 313

Delta R.T. -0.003 min

Lab File: VN067892.D

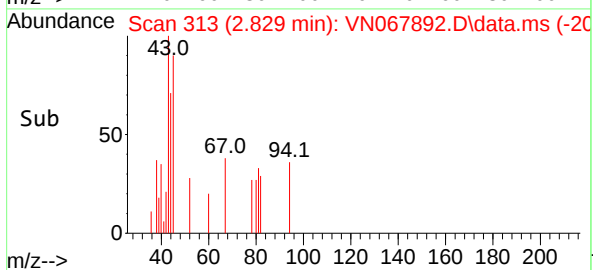
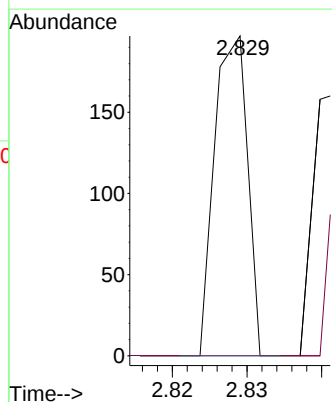
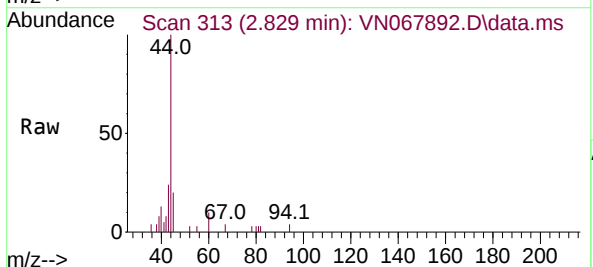
Acq: 23 Jul 2021 20:09

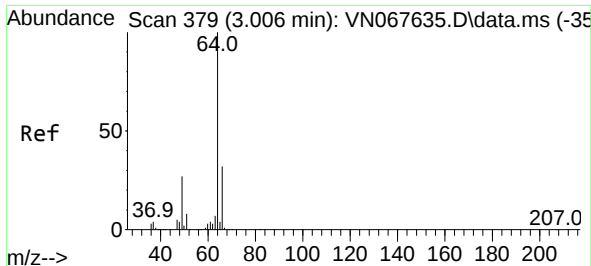
Tgt Ion: 94 Resp: 60

Ion Ratio Lower Upper

94 100

96 0.0 73.7 110.5#

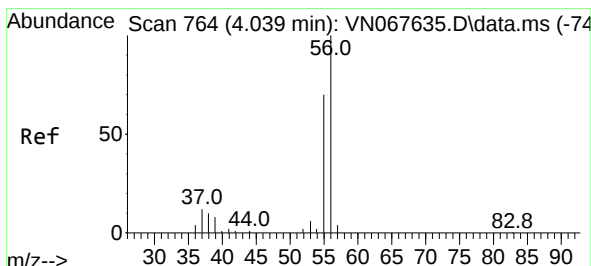
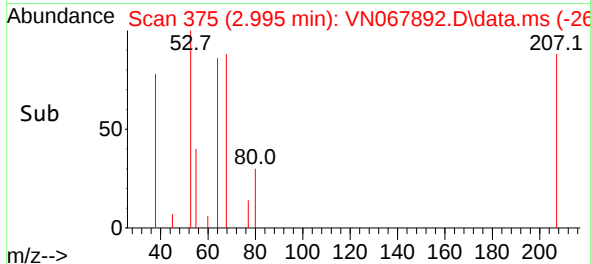
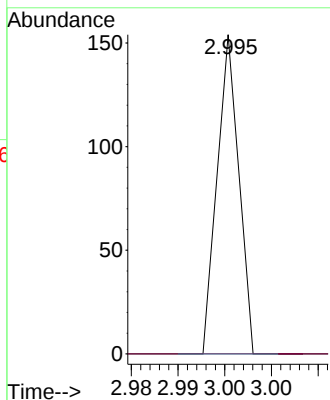
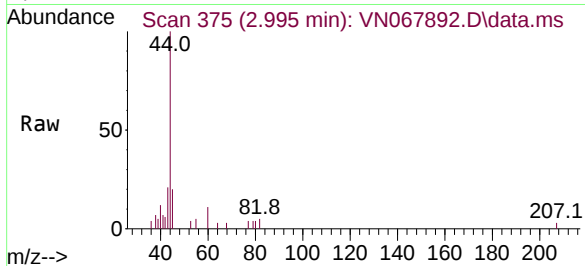




#6
Chloroethane
Concen: Below Cal
RT: 2.995 min Scan# 375
Delta R.T. -0.011 min
Lab File: VN067892.D
Acq: 23 Jul 2021 20:09

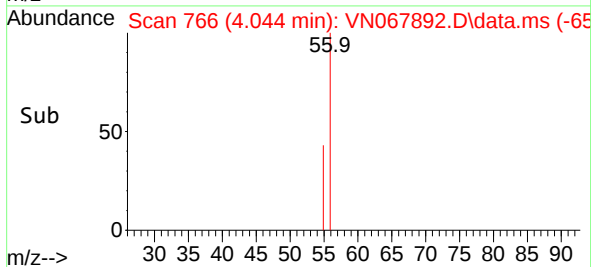
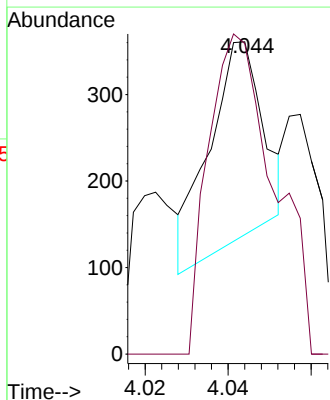
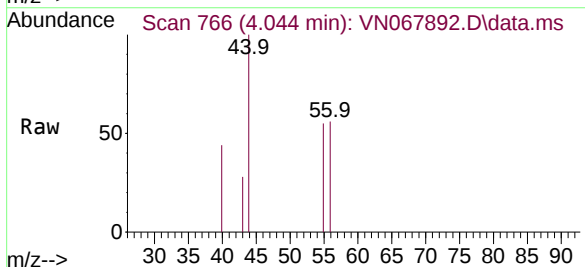
Instrument :
MSVOA_N
ClientSampled :

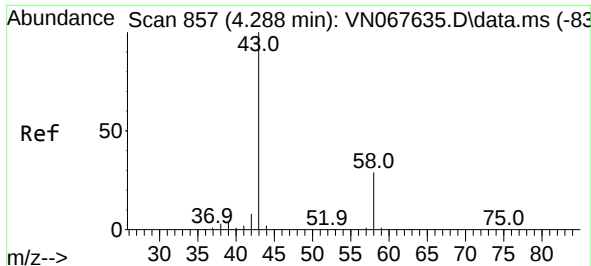
Tgt Ion: 64 Resp: 25
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#13
Acrolein
Concen: Below Cal
RT: 4.044 min Scan# 766
Delta R.T. 0.005 min
Lab File: VN067892.D
Acq: 23 Jul 2021 20:09

Tgt Ion: 56 Resp: 207
Ion Ratio Lower Upper
56 100
55 196.1 57.4 86.0#

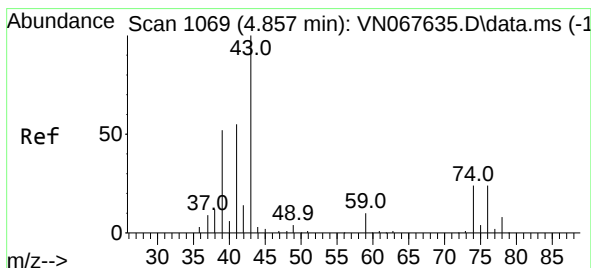
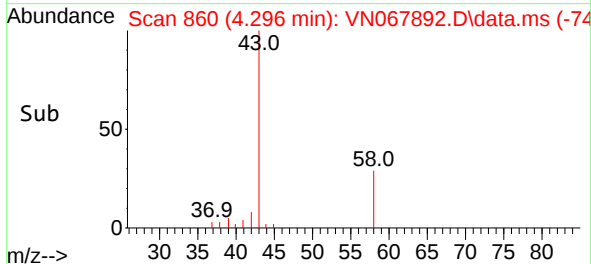
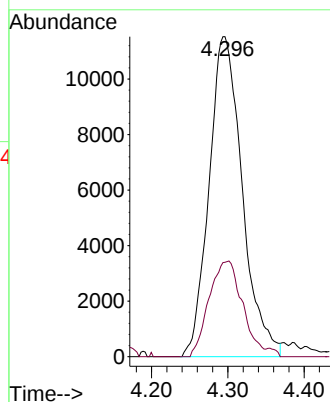
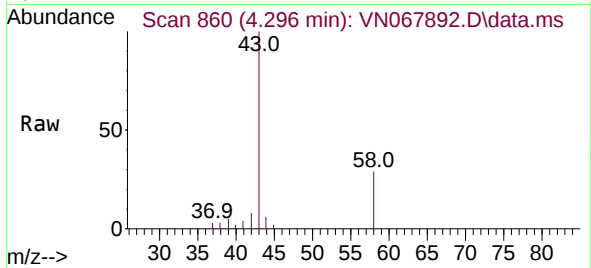




#16
Acetone
Concen: 25.619 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.008 min
Lab File: VN067892.D
Acq: 23 Jul 2021 20:09

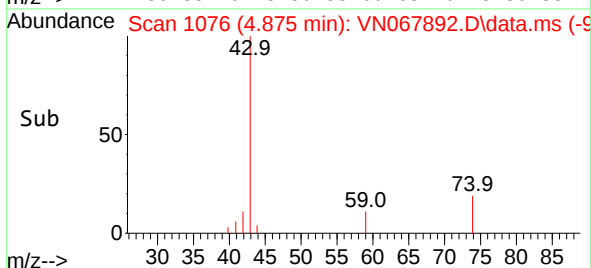
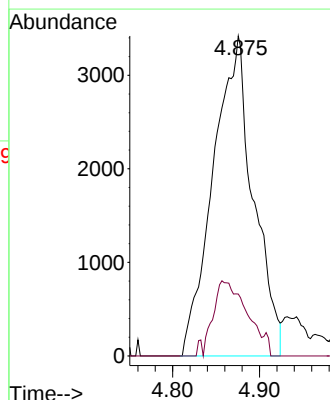
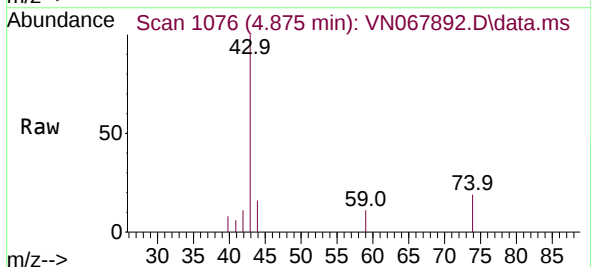
Instrument :
MSVOA_N
ClientSampled :

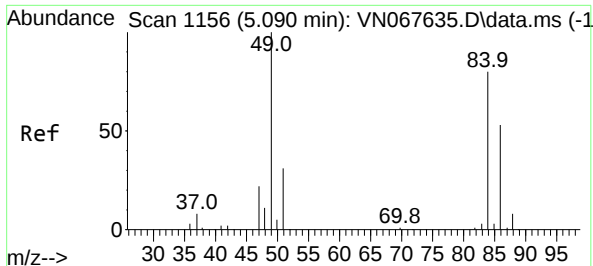
Tgt Ion: 43 Resp: 34853
Ion Ratio Lower Upper
43 100
58 29.5 21.2 31.8



#18
Methyl Acetate
Concen: 2.868 ug/l
RT: 4.875 min Scan# 1076
Delta R.T. 0.018 min
Lab File: VN067892.D
Acq: 23 Jul 2021 20:09

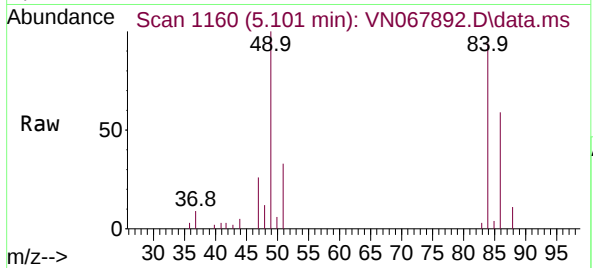
Tgt Ion: 43 Resp: 10959
Ion Ratio Lower Upper
43 100
74 20.0 17.4 26.0



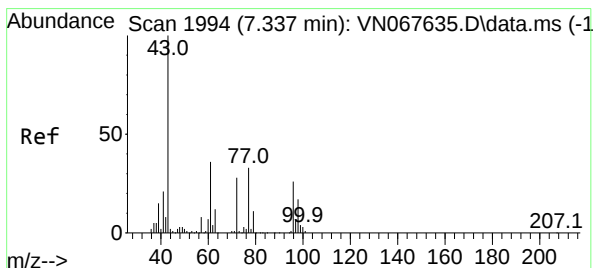
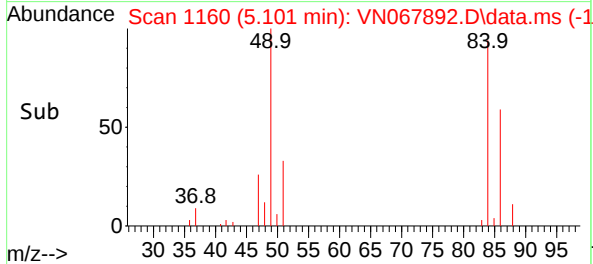
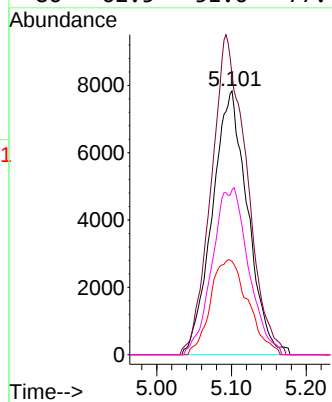


#20
Methylene Chloride
Concen: 7.453 ug/l
RT: 5.101 min Scan# 1160
Delta R.T. 0.011 min
Lab File: VN067892.D
Acq: 23 Jul 2021 20:09

Instrument :
MSVOA_N
ClientSampleId :

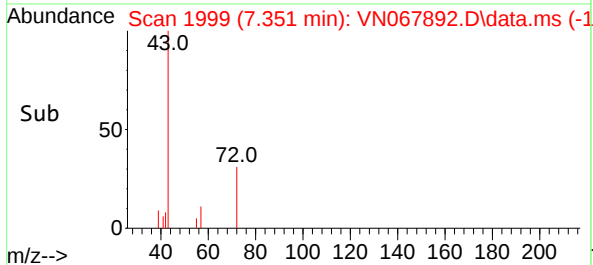
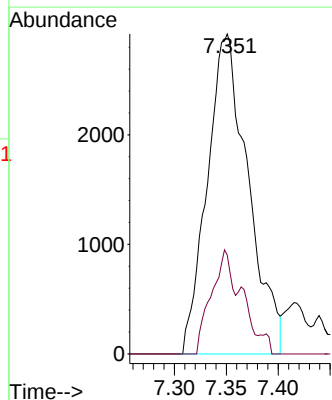
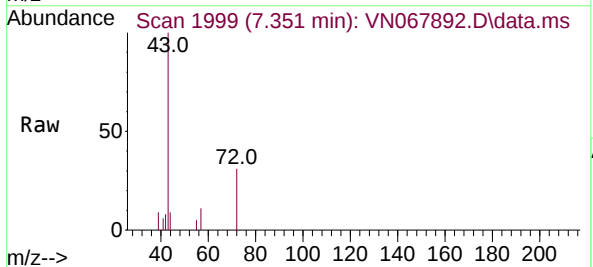


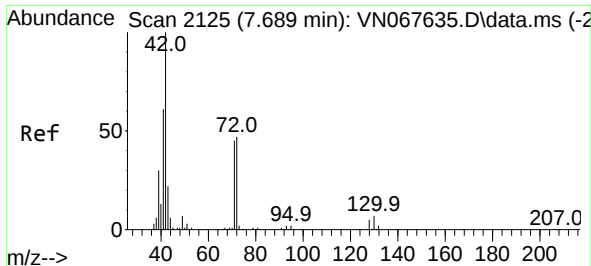
Tgt Ion:	84	Resp:	25551
Ion	Ratio	Lower	Upper
84	100		
49	105.9	110.9	166.3#
51	35.4	32.6	49.0
86	62.5	51.6	77.4



#25
2-Butanone
Concen: 3.533 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. 0.014 min
Lab File: VN067892.D
Acq: 23 Jul 2021 20:09

Tgt Ion:	43	Resp:	7982
Ion	Ratio	Lower	Upper
43	100		
72	30.9	19.7	29.5#





#29

Tetrahydrofuran

Concen: 0.262 ug/l

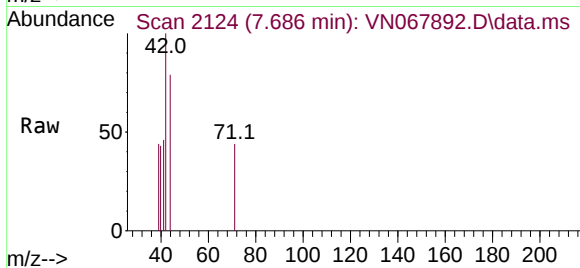
RT: 7.686 min Scan# 2124

Delta R.T. -0.003 min

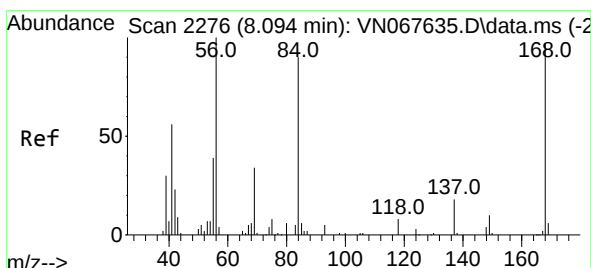
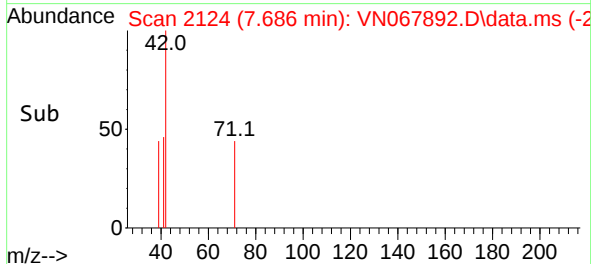
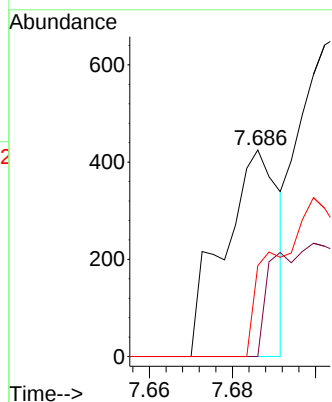
Lab File: VN067892.D

Acq: 23 Jul 2021 20:09

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion:	42	Resp:	389
Ion	Ratio	Lower	Upper
42	100		
72	0.0	32.8	49.2#
71	0.0	31.2	46.8#



#31

Cyclohexane

Concen: 1.278 ug/l

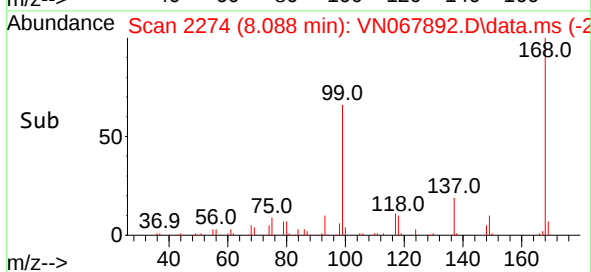
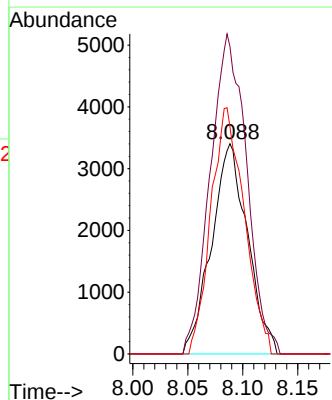
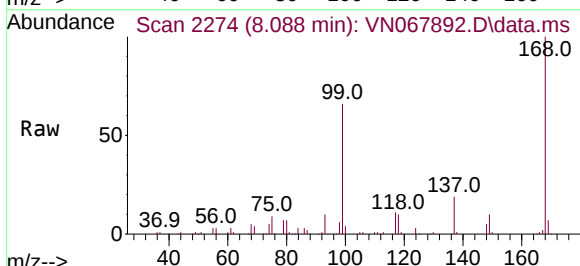
RT: 8.088 min Scan# 2274

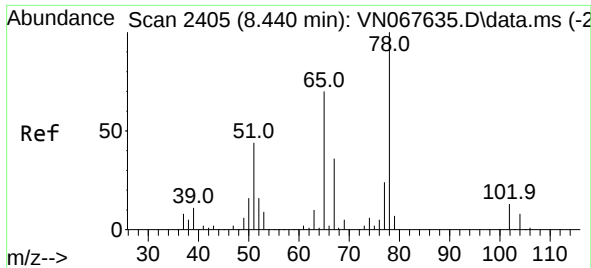
Delta R.T. -0.006 min

Lab File: VN067892.D

Acq: 23 Jul 2021 20:09

Tgt Ion:	56	Resp:	7748
Ion	Ratio	Lower	Upper
56	100		
69	146.2	27.3	40.9#
84	108.0	64.9	97.3#

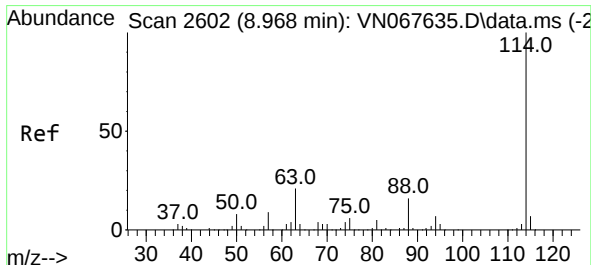
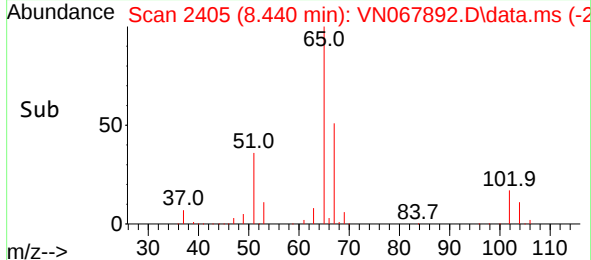
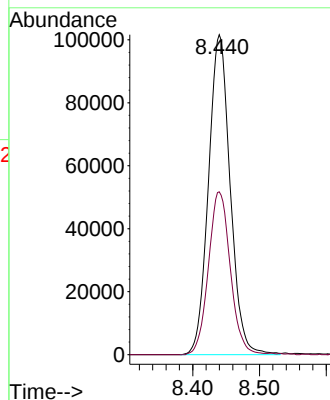
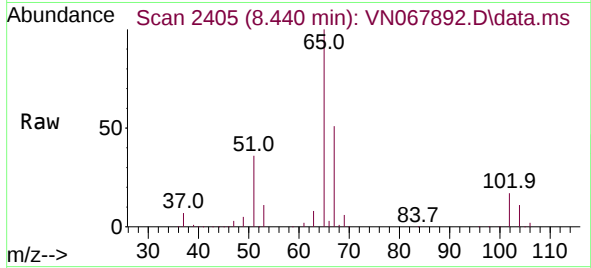




#33
 1,2-Dichloroethane-d4
 Concen: 53.201 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN067892.D
 Acq: 23 Jul 2021 20:09

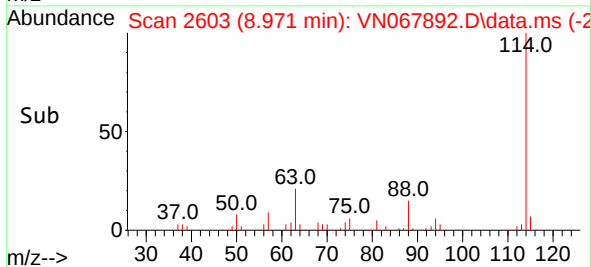
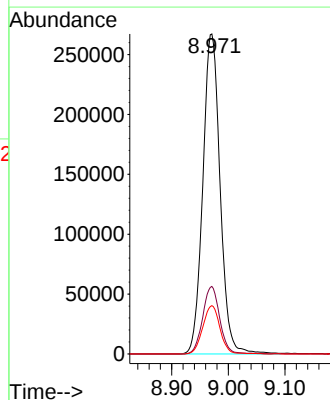
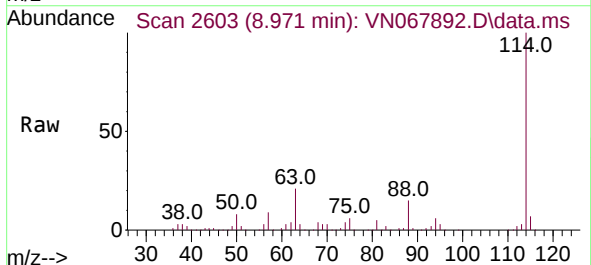
Instrument :
 MSVOA_N
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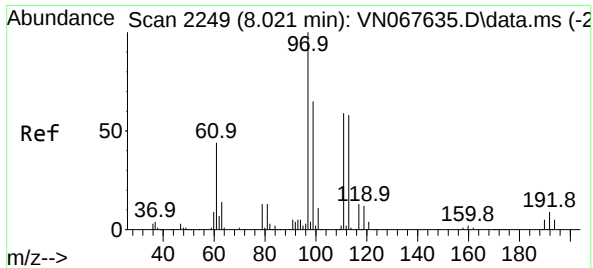
Tgt Ion: 65 Resp: 230015
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN067892.D
 Acq: 23 Jul 2021 20:09

Tgt Ion: 114 Resp: 567472
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 49.0
 88 15.1 0.0 36.6

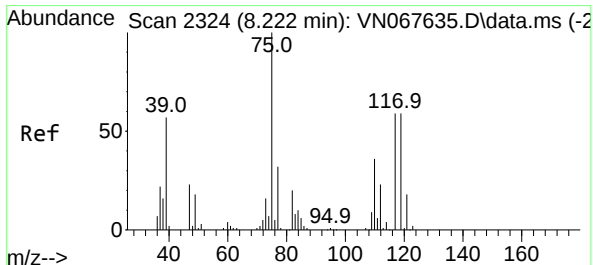
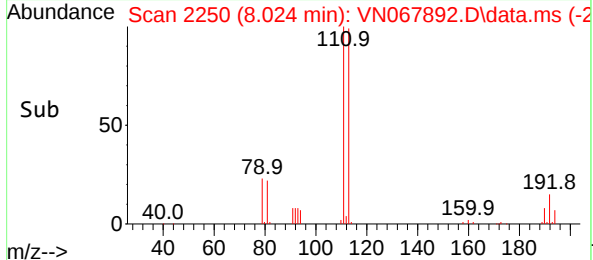
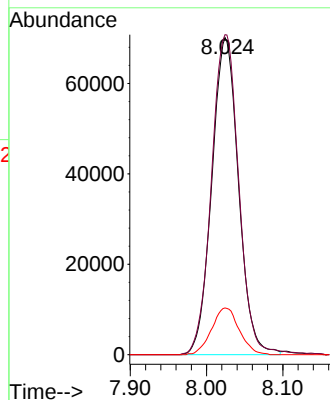
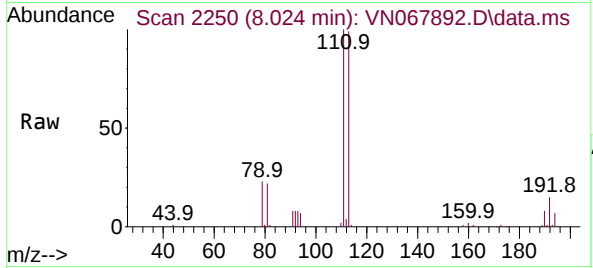




#35
Dibromofluoromethane
Concen: 49.713 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN067892.D
Acq: 23 Jul 2021 20:09

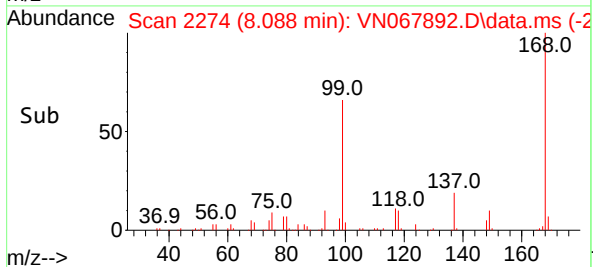
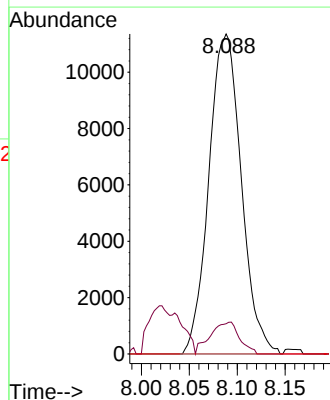
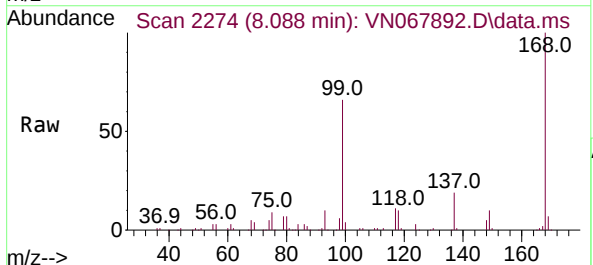
Instrument :
MSVOA_N
ClientSampled :

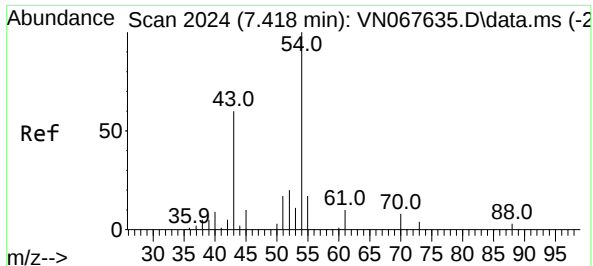
Tgt Ion:113 Resp: 170443
Ion Ratio Lower Upper
113 100
111 103.6 83.8 125.8
192 15.3 13.4 20.0



#36
1,1-Dichloropropene
Concen: 5.067 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN067892.D
Acq: 23 Jul 2021 20:09

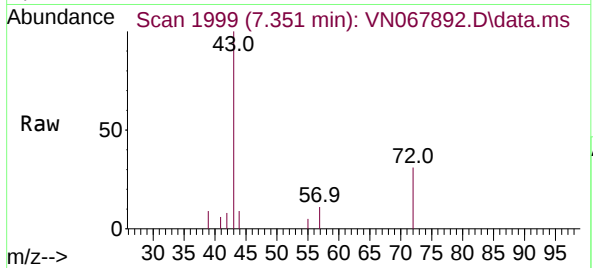
Tgt Ion: 75 Resp: 26712
Ion Ratio Lower Upper
75 100
110 9.0 15.7 47.0#
77 0.0 24.6 37.0#



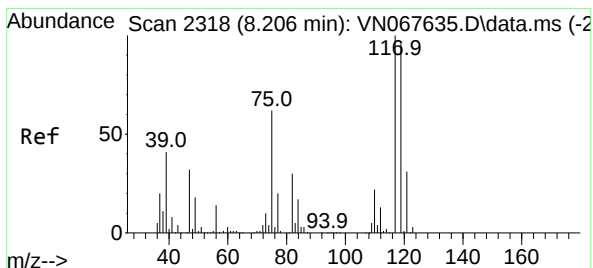
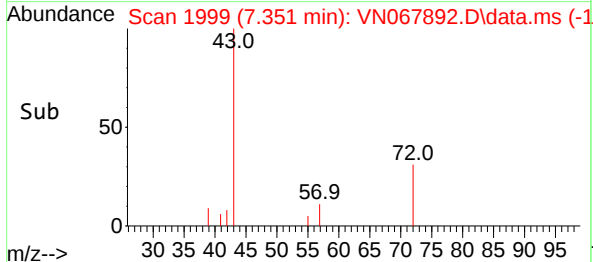
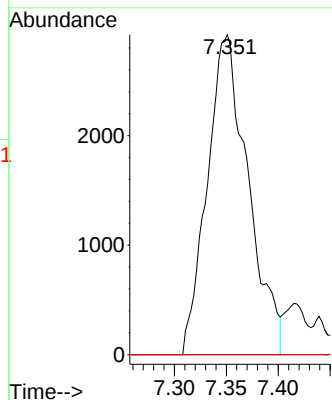


#37
Ethyl Acetate
Concen: 1.563 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. -0.067 min
Lab File: VN067892.D
Acq: 23 Jul 2021 20:09

Instrument :
MSVOA_N
ClientSampled :

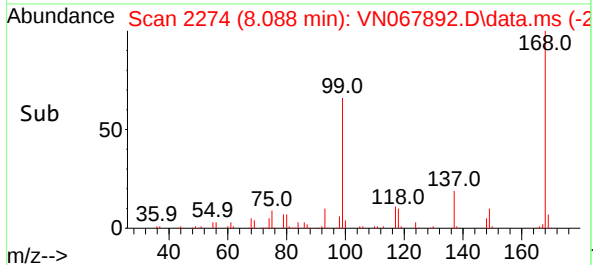
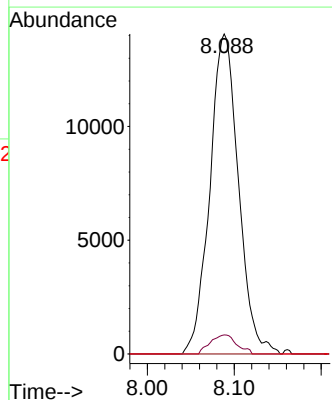
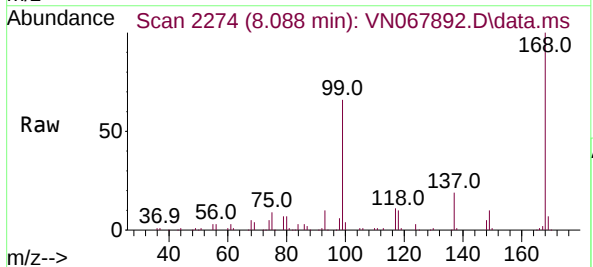


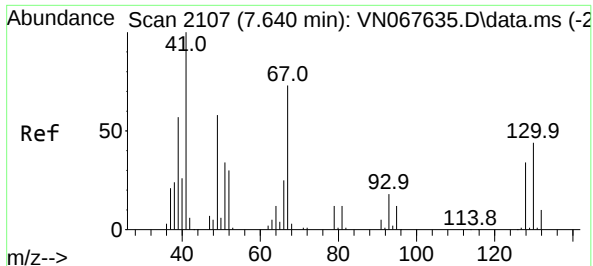
Tgt Ion: 43 Resp: 7982
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.1 12.1#



#38
Carbon Tetrachloride
Concen: 6.201 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN067892.D
Acq: 23 Jul 2021 20:09

Tgt Ion: 117 Resp: 32242
Ion Ratio Lower Upper
117 100
119 6.0 75.4 113.2#
121 0.0 23.5 35.3#

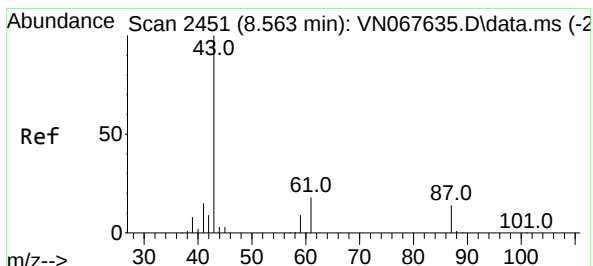
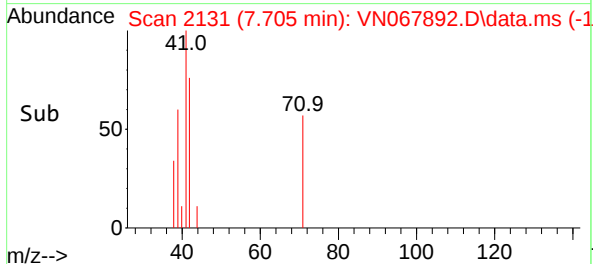
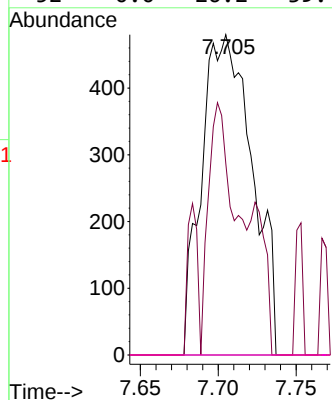
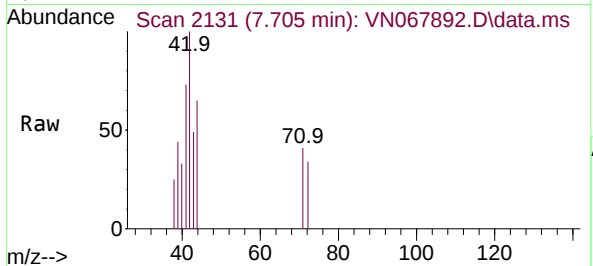




#41
Methacrylonitrile
Concen: 0.414 ug/l
RT: 7.705 min Scan# 2131
Delta R.T. 0.065 min
Lab File: VN067892.D
Acq: 23 Jul 2021 20:09

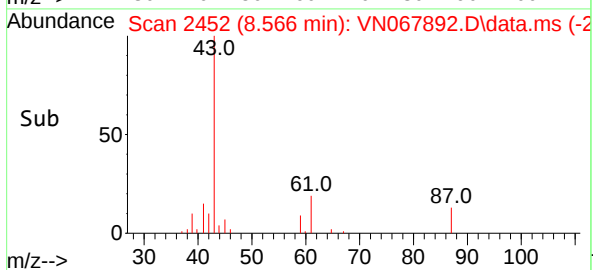
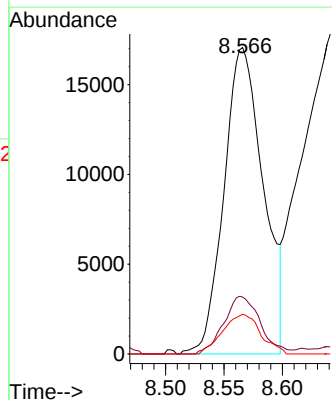
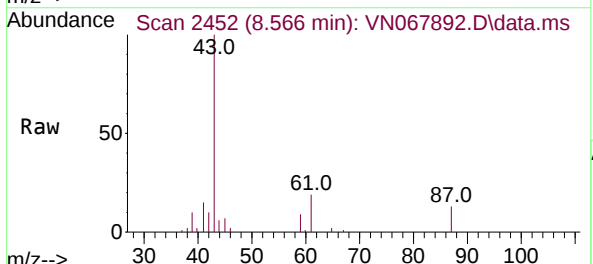
Instrument :
MSVOA_N
ClientSampled :

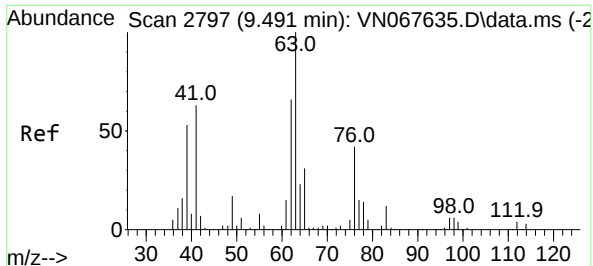
Tgt Ion:	41	Resp:	1087
Ion	Ratio	Lower	Upper
41	100		
39	41.6	47.6	71.4#
67	0.0	57.7	86.5#
52	0.0	26.2	39.4#



#43
Isopropyl Acetate
Concen: 4.447 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. 0.003 min
Lab File: VN067892.D
Acq: 23 Jul 2021 20:09

Tgt Ion:	43	Resp:	39951
Ion	Ratio	Lower	Upper
43	100		
61	17.4	19.0	28.4#
87	12.5	9.5	14.3



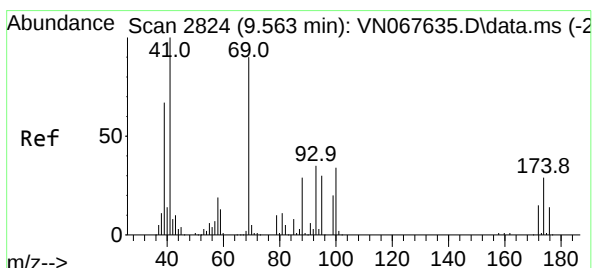
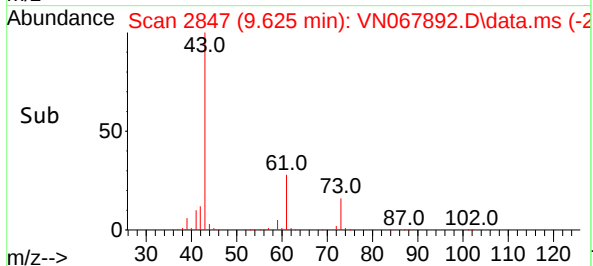
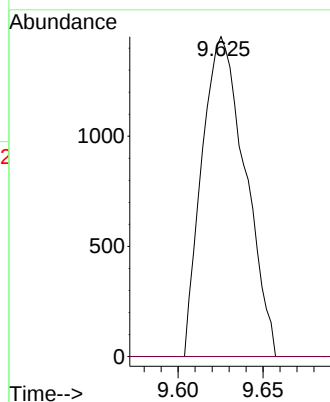
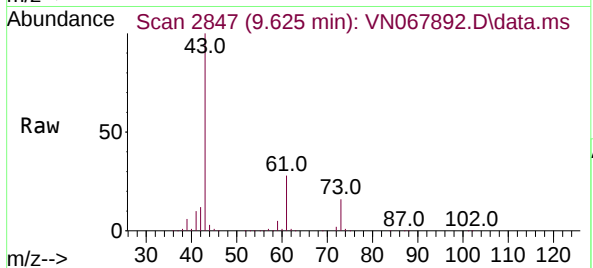


#45

1,2-Dichloropropane
Concen: 0.644 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.134 min
Lab File: VN067892.D
Acq: 23 Jul 2021 20:09

Instrument :
MSVOA_N
ClientSampled :

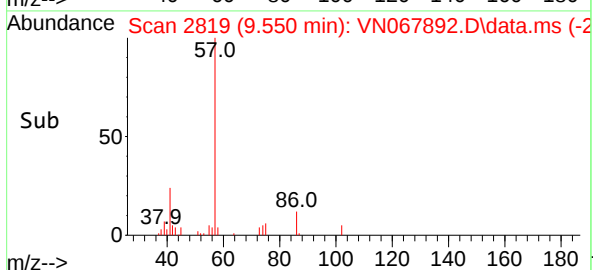
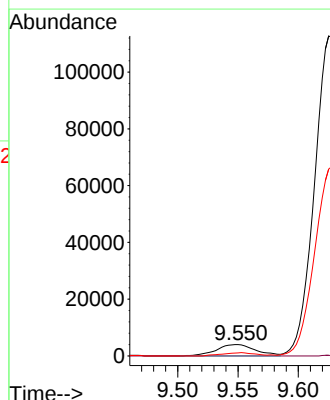
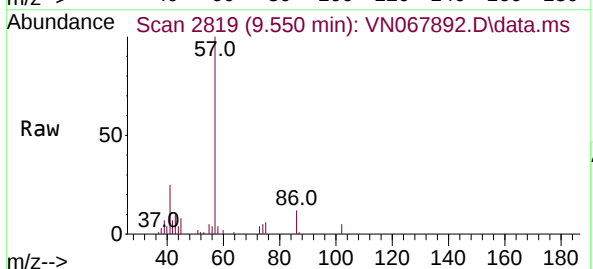
Tgt Ion: 63 Resp: 2573
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#

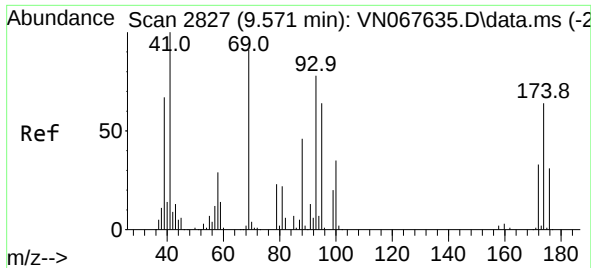


#48

Methyl methacrylate
Concen: 2.299 ug/l
RT: 9.550 min Scan# 2819
Delta R.T. -0.013 min
Lab File: VN067892.D
Acq: 23 Jul 2021 20:09

Tgt Ion: 41 Resp: 9136
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#

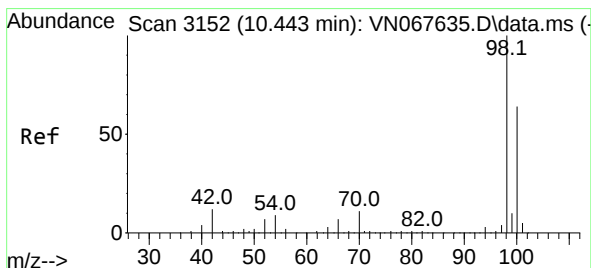
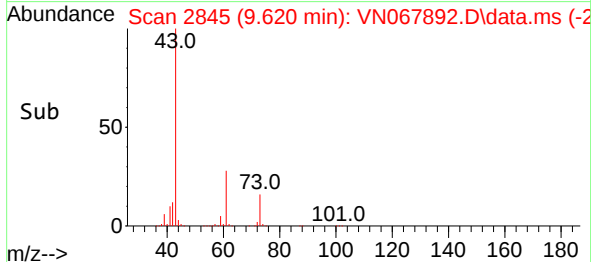
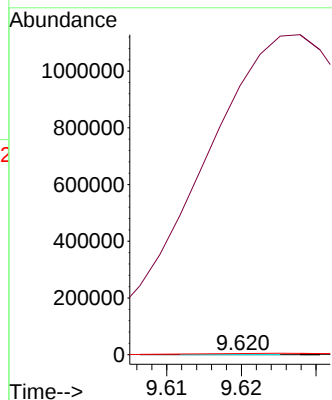
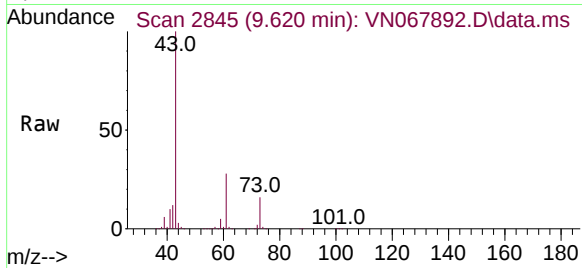




#49
1,4-Dioxane
Concen: 33.762 ug/l
RT: 9.620 min Scan# 2845
Delta R.T. 0.049 min
Lab File: VN067892.D
Acq: 23 Jul 2021 20:09

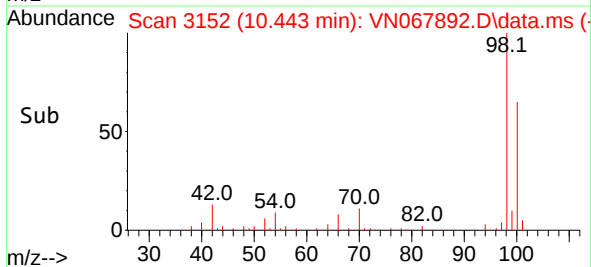
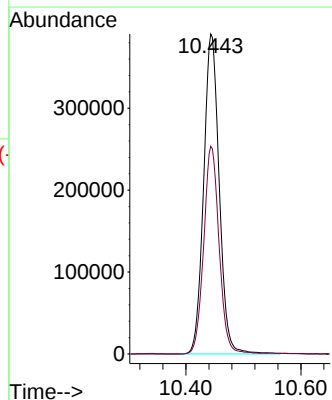
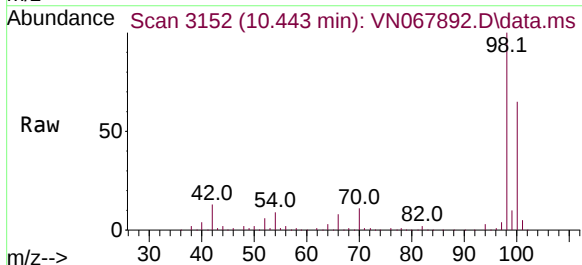
Instrument :
MSVOA_N
ClientSampled :

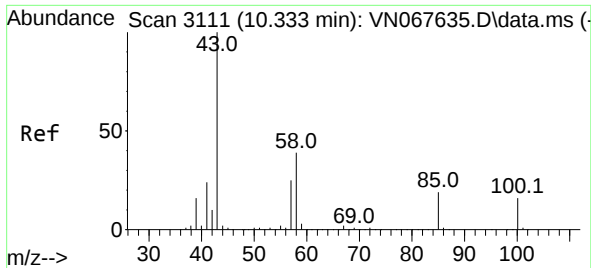
Tgt Ion: 88 Resp: 133
Ion Ratio Lower Upper
88 100
43 1589805.3 28.8 43.2#
58 7142.9 60.4 90.6#



#50
Toluene-d8
Concen: 51.213 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067892.D
Acq: 23 Jul 2021 20:09

Tgt Ion: 98 Resp: 734949
Ion Ratio Lower Upper
98 100
100 64.1 51.7 77.5

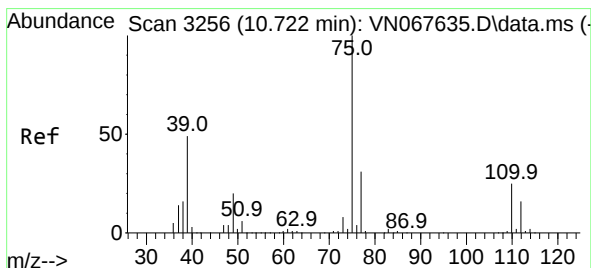
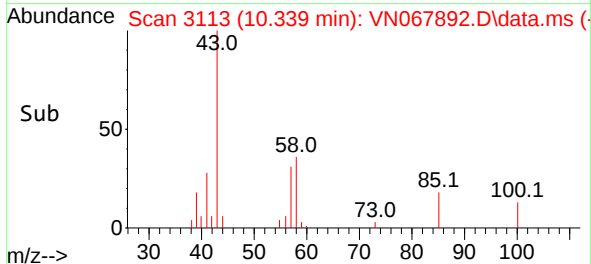
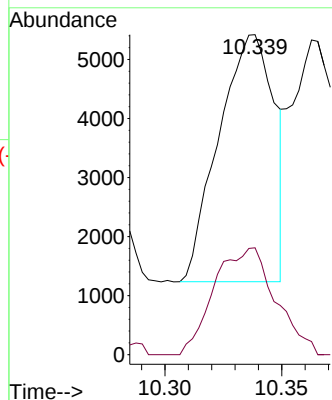
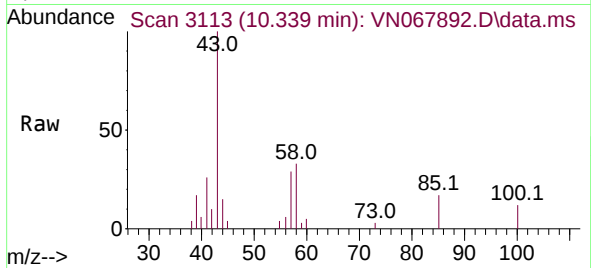




#51
4-Methyl-2-Pentanone
Concen: 1.245 ug/l
RT: 10.339 min Scan# 3113
Delta R.T. 0.006 min
Lab File: VN067892.D
Acq: 23 Jul 2021 20:09

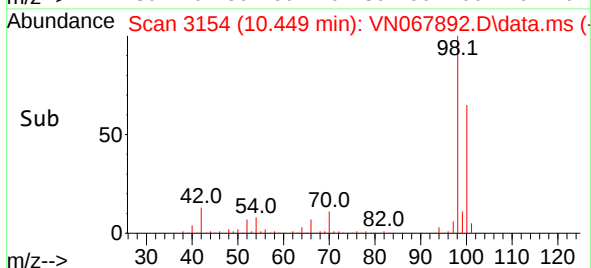
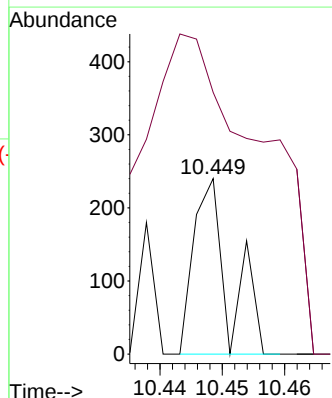
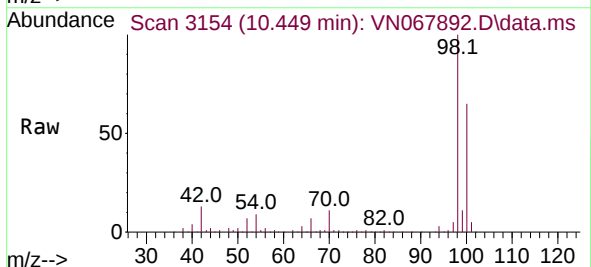
Instrument :
MSVOA_N
ClientSampled :

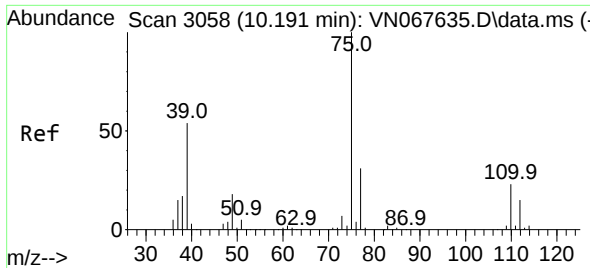
Tgt Ion: 43 Resp: 6873
Ion Ratio Lower Upper
43 100
58 48.1 28.6 43.0#



#53
t-1,3-Dichloropropene
Concen: 1.758 ug/l
RT: 10.449 min Scan# 3154
Delta R.T. -0.273 min
Lab File: VN067892.D
Acq: 23 Jul 2021 20:09

Tgt Ion: 75 Resp: 94
Ion Ratio Lower Upper
75 100
77 27.1 25.1 37.7

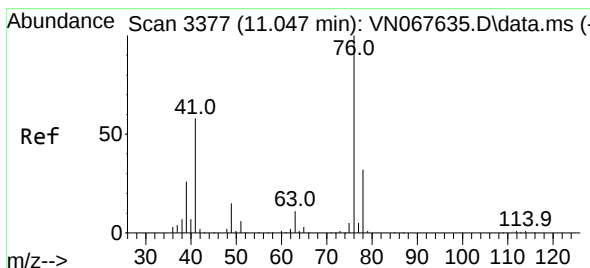
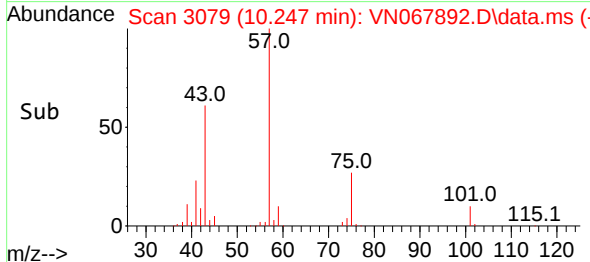
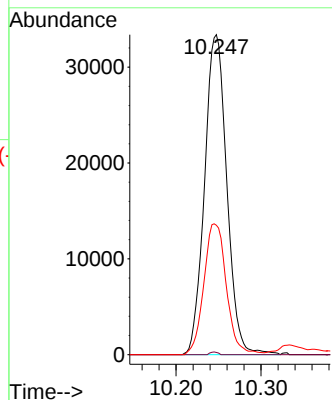
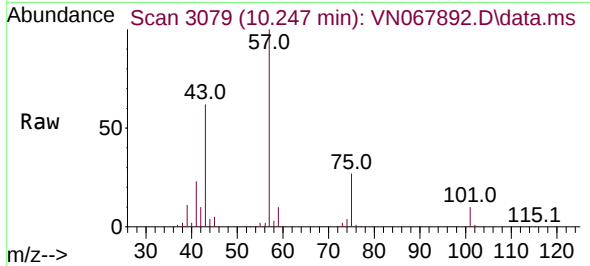




#54
 cis-1,3-Dichloropropene
 Concen: 9.877 ug/l
 RT: 10.247 min Scan# 3079
 Delta R.T. 0.056 min
 Lab File: VN067892.D
 Acq: 23 Jul 2021 20:09

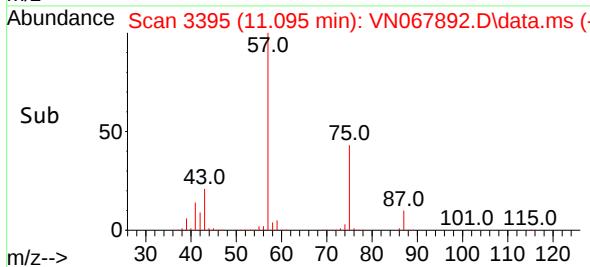
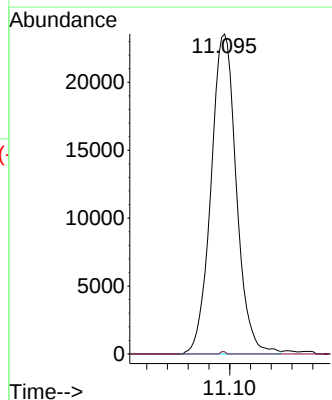
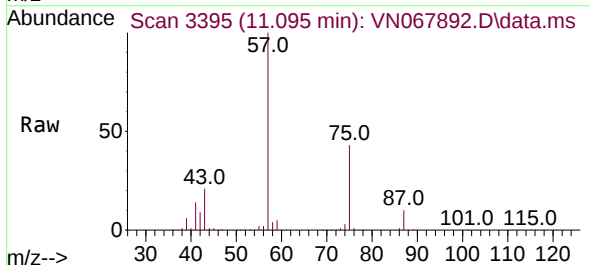
Instrument :
 MSVOA_N
 ClientSampled :

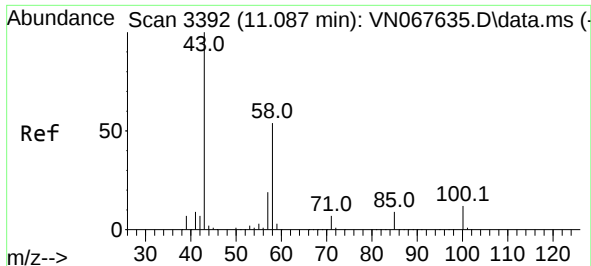
Tgt Ion: 75 Resp: 60867
 Ion Ratio Lower Upper
 75 100
 77 0.7 24.6 37.0#
 39 40.4 50.7 76.1#



#57
 1,3-Dichloropropane
 Concen: 5.882 ug/l
 RT: 11.095 min Scan# 3395
 Delta R.T. 0.048 min
 Lab File: VN067892.D
 Acq: 23 Jul 2021 20:09

Tgt Ion: 76 Resp: 39953
 Ion Ratio Lower Upper
 76 100
 78 0.1 25.7 38.5#

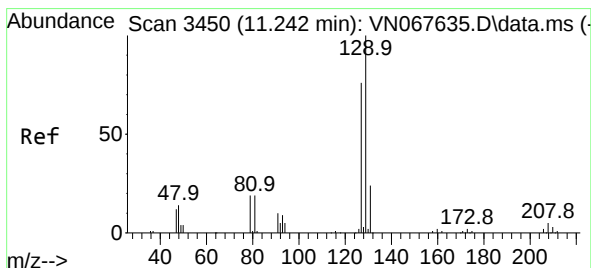
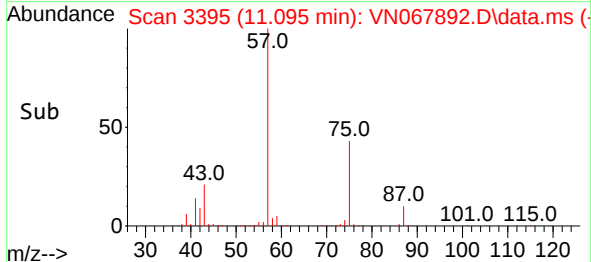
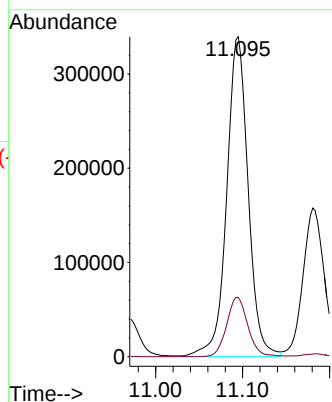
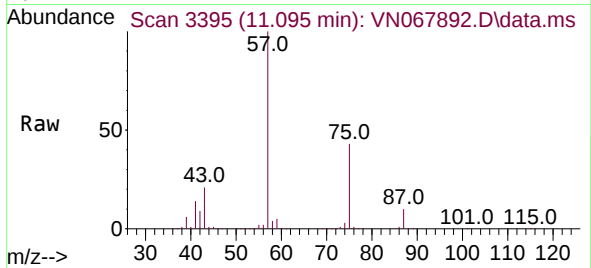




#59
2-Hexanone
Concen: 150.578 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN067892.D
Acq: 23 Jul 2021 20:09

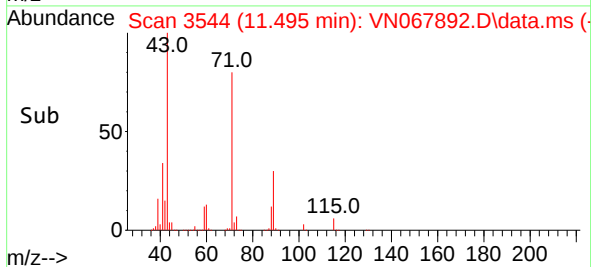
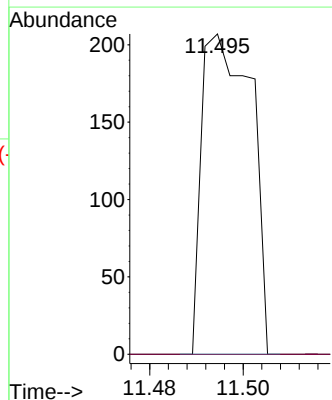
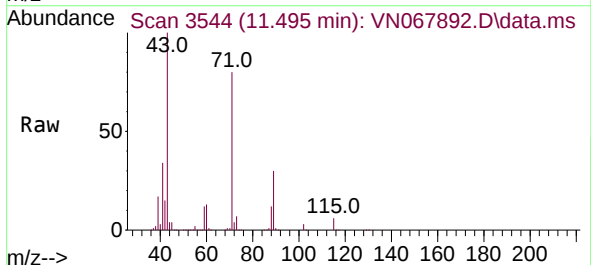
Instrument :
MSVOA_N
ClientSampled :

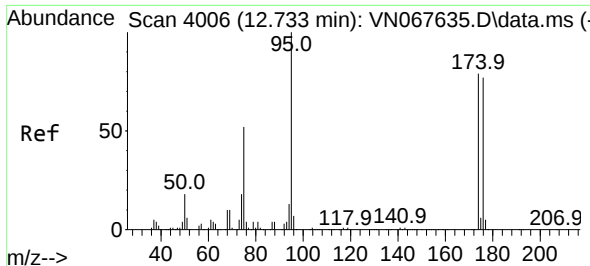
Tgt Ion: 43 Resp: 580126
Ion Ratio Lower Upper
43 100
58 18.5 24.7 74.1#



#60
Dibromochloromethane
Concen: 2.387 ug/l
RT: 11.495 min Scan# 3544
Delta R.T. 0.253 min
Lab File: VN067892.D
Acq: 23 Jul 2021 20:09

Tgt Ion: 129 Resp: 152
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#

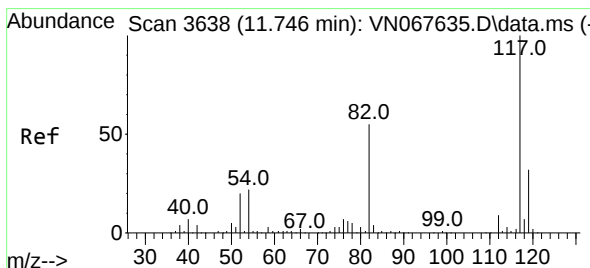
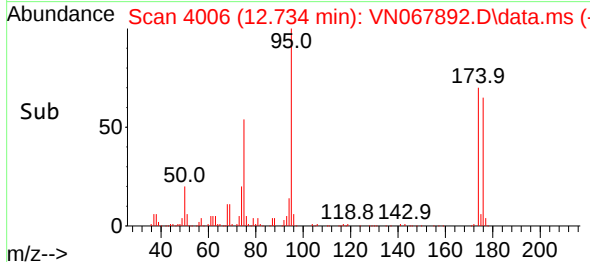
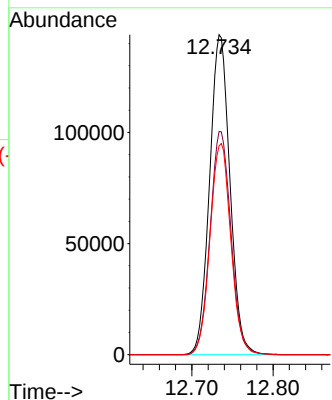
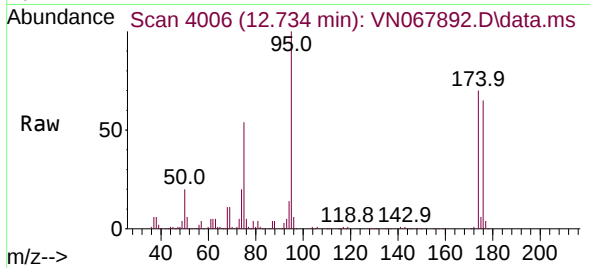




#62
4-Bromofluorobenzene
Concen: 49.412 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.001 min
Lab File: VN067892.D
Acq: 23 Jul 2021 20:09

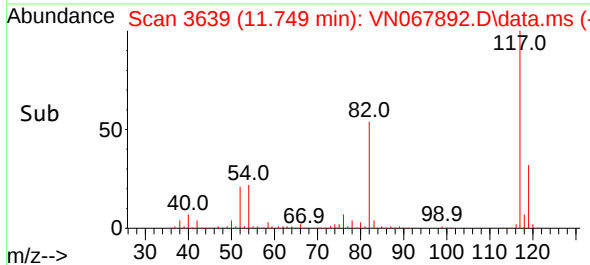
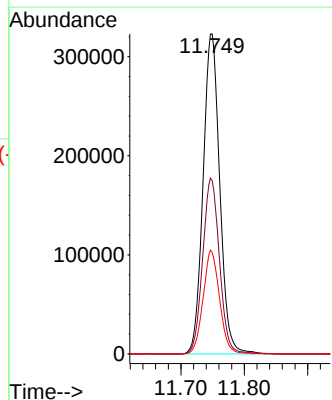
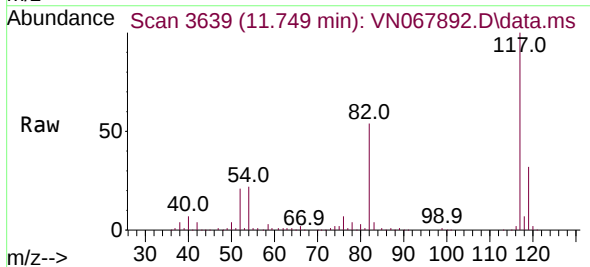
Instrument :
MSVOA_N
ClientSampled :

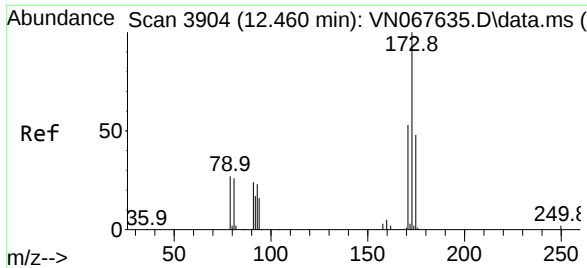
Tgt Ion: 95 Resp: 250498
Ion Ratio Lower Upper
95 100
174 71.5 0.0 122.0
176 67.6 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067892.D
Acq: 23 Jul 2021 20:09

Tgt Ion: 117 Resp: 591555
Ion Ratio Lower Upper
117 100
82 54.2 53.1 79.7
119 31.7 25.5 38.3

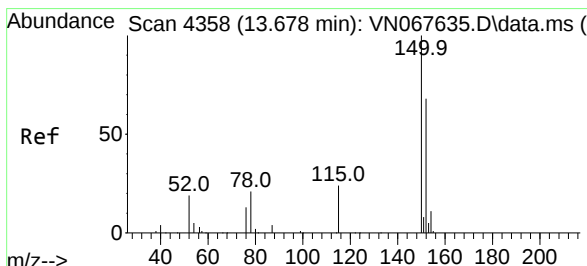
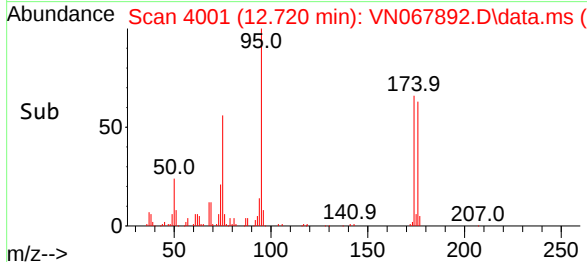
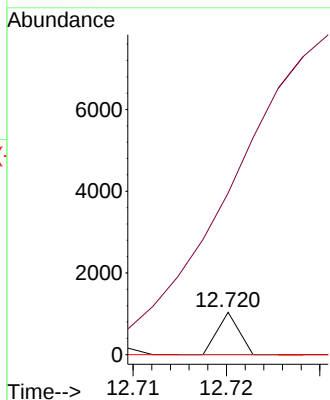
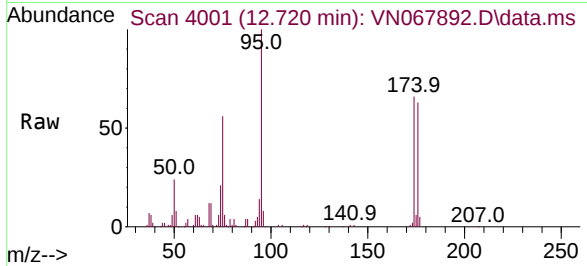




#71
Bromoform
Concen: 3.217 ug/l
RT: 12.720 min Scan# 4001
Delta R.T. 0.260 min
Lab File: VN067892.D
Acq: 23 Jul 2021 20:09

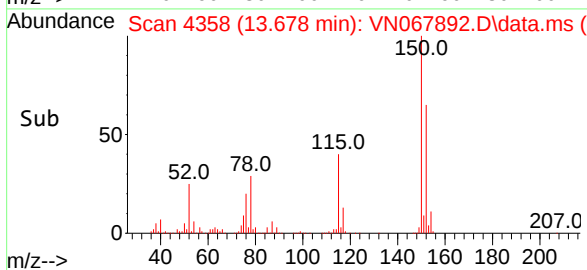
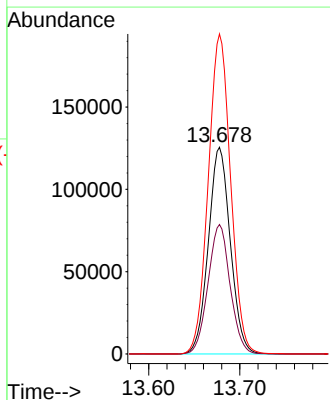
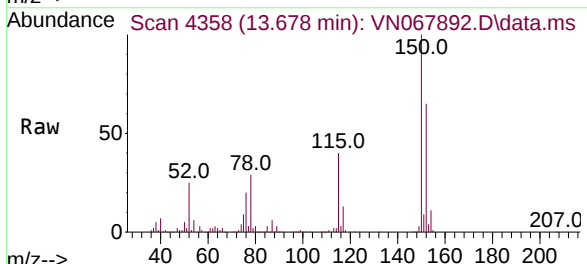
Instrument :
MSVOA_N
ClientSampleId :

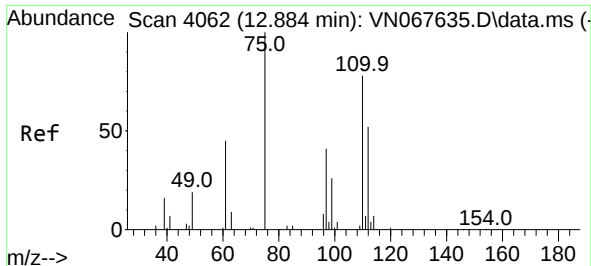
Tgt Ion:173 Resp: 167
Ion Ratio Lower Upper
173 100
175 7974.3 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.000 min
Lab File: VN067892.D
Acq: 23 Jul 2021 20:09

Tgt Ion:152 Resp: 210221
Ion Ratio Lower Upper
152 100
115 62.8 36.1 108.5
150 157.3 0.0 351.8

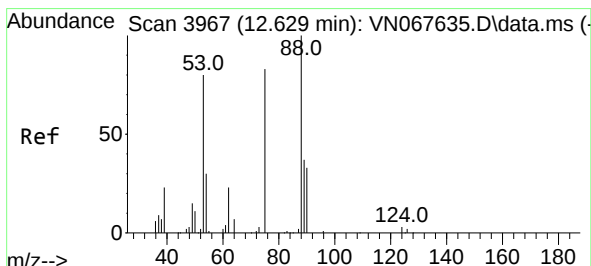
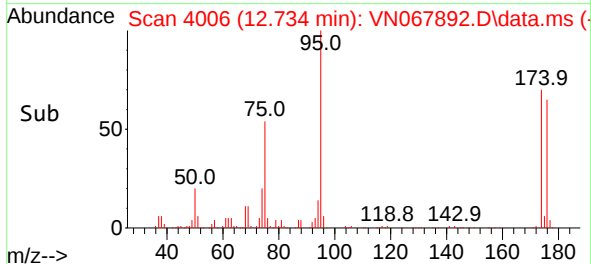
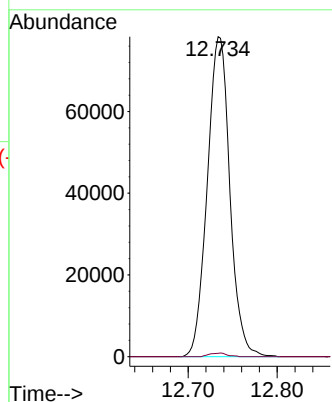
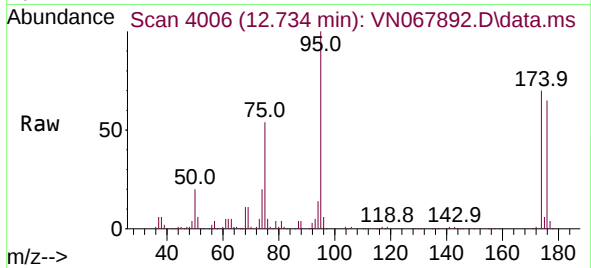




#76
1,2,3-Trichloropropane
Concen: 32.135 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN067892.D
Acq: 23 Jul 2021 20:09

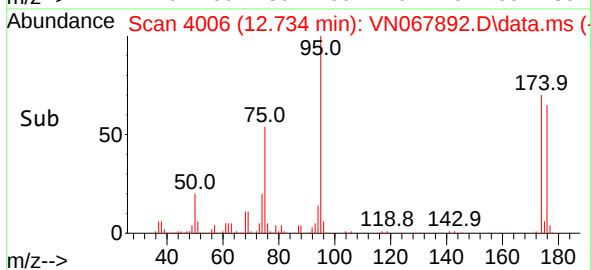
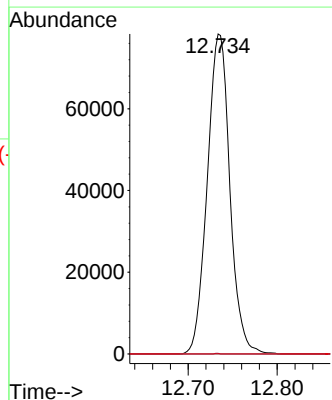
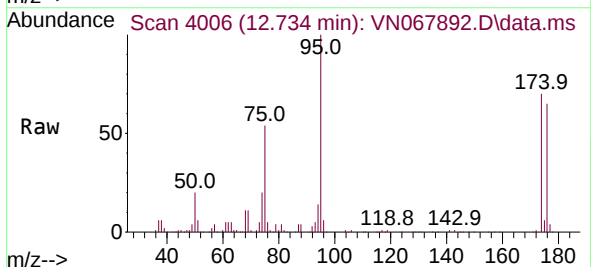
Instrument :
MSVOA_N
ClientSampled :

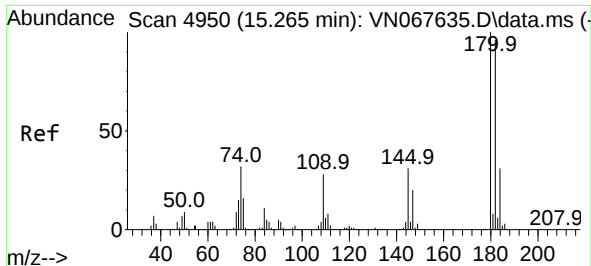
Tgt Ion: 75 Resp: 137959
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 103.607 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN067892.D
Acq: 23 Jul 2021 20:09

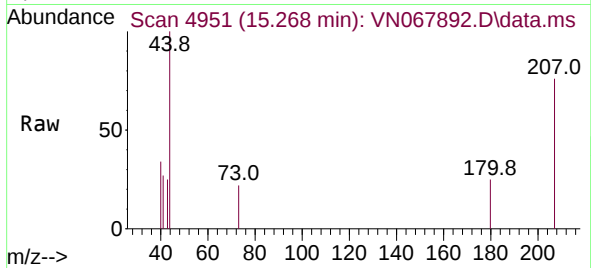
Tgt Ion: 75 Resp: 137959
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



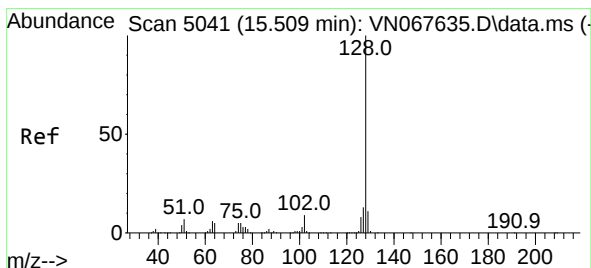
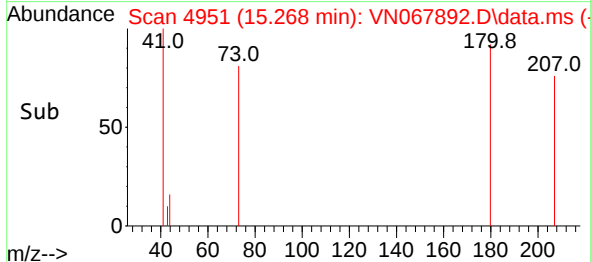
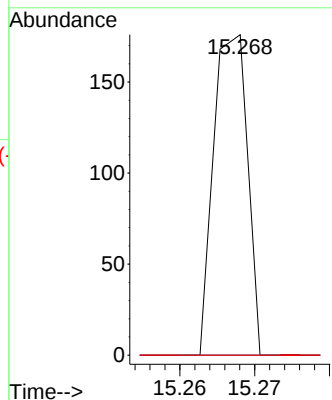


#93
1,2,4-Trichlorobenzene
Concen: 2.689 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN067892.D
Acq: 23 Jul 2021 20:09

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion:180 Resp: 55
Ion Ratio Lower Upper
180 100
182 0.0 47.5 142.5#
145 0.0 17.2 51.6#



#95
Naphthalene
Concen: 3.017 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. -0.005 min
Lab File: VN067892.D
Acq: 23 Jul 2021 20:09

Tgt Ion:128 Resp: 54
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#

