

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081821\
 Data File : VN068203.D
 Acq On : 18 Aug 2021 19:19
 Operator : JC/MD
 Sample : M3451-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 19 03:08:22 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 13:09:49 2021
 Response via : Initial Calibration

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

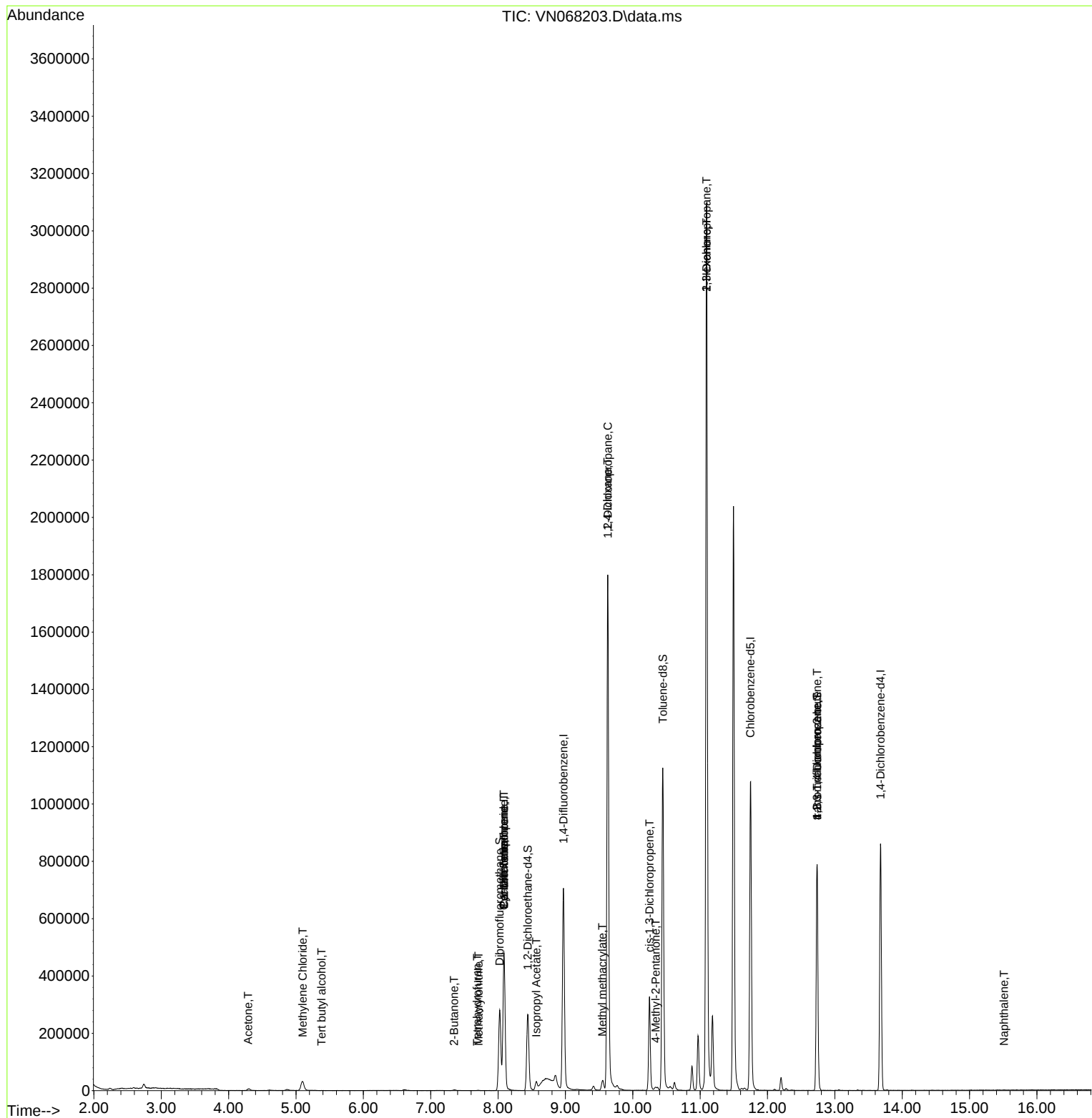
Internal Standards						
1) Pentafluorobenzene	8.088	168	398703	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	677465	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	710919	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	263866	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	227280	53.389	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 106.780%	
35) Dibromofluoromethane	8.024	113	206567	48.566	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 97.140%	
50) Toluene-d8	10.446	98	838575	51.743	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 103.480%	
62) 4-Bromofluorobenzene	12.736	95	265570	49.224	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 98.440%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.848	94	179	Below Cal	#	4
6) Chloroethane	3.177	64	190	Below Cal	#	44
11) Tert butyl alcohol	5.379	59	198	0.373	ug/l #	71
13) Acrolein	3.789	56	64	Below Cal	#	1
16) Acetone	4.288	43	5026	4.044	ug/l #	80
18) Methyl Acetate	4.859	43	3655	Below Cal	#	53
20) Methylene Chloride	5.098	84	28244	6.357	ug/l #	78
25) 2-Butanone	7.345	43	1807	0.933	ug/l	96
29) Tetrahydrofuran	7.689	42	271	0.219	ug/l #	52
31) Cyclohexane	8.085	56	7348	1.310	ug/l #	1
36) 1,1-Dichloropropene	8.088	75	26014	4.697	ug/l #	53
38) Carbon Tetrachloride	8.088	117	36288	5.681	ug/l #	17
41) Methacrylonitrile	7.713	41	650	0.302	ug/l #	26
43) Isopropyl Acetate	8.568	43	36531	4.834	ug/l	92
45) 1,2-Dichloropropane	9.630	63	2273	0.572	ug/l #	44
48) Methyl methacrylate	9.550	41	7972	2.531	ug/l #	12
49) 1,4-Dioxane	9.628	88	212	2.785	ug/l #	1
51) 4-Methyl-2-Pentanone	10.341	43	7035	1.515	ug/l	100
54) cis-1,3-Dichloropropene	10.247	75	63241	9.860	ug/l #	55
57) 1,3-Dichloropropane	11.095	76	36545	5.153	ug/l #	43
59) 2-Hexanone	11.095	43	442684	137.332	ug/l #	57
76) 1,2,3-Trichloropropane	12.736	75	136967	31.230	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.736	75	136967	102.315	ug/l #	6
95) Naphthalene	15.512	128	612	3.399	ug/l #	69

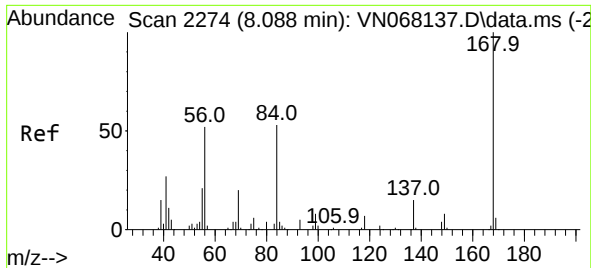
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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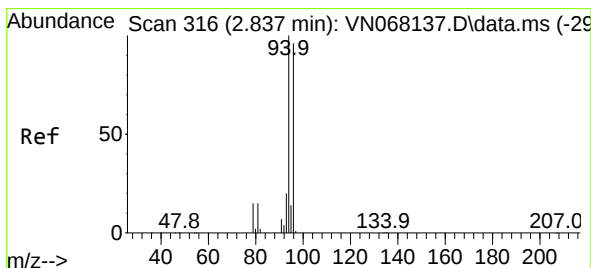
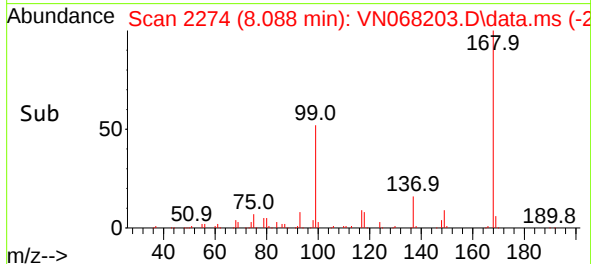
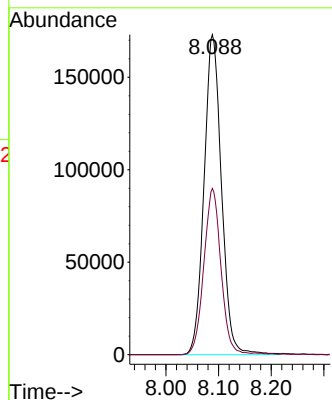
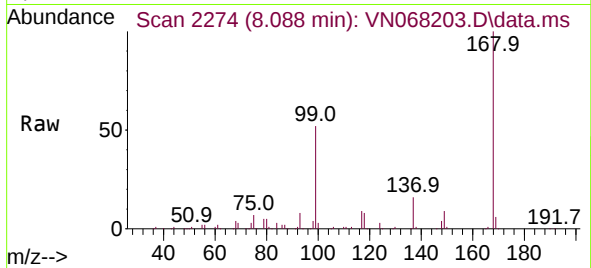




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN068203.D
Acq: 18 Aug 2021 19:19

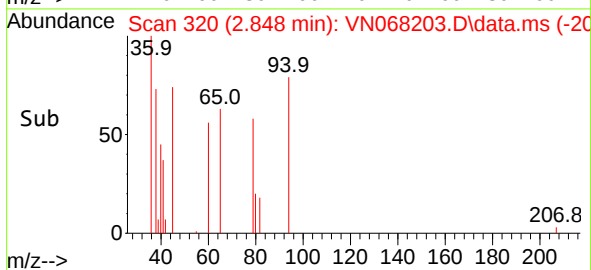
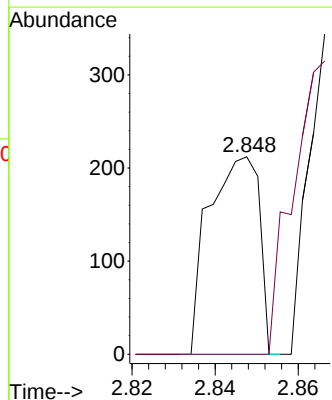
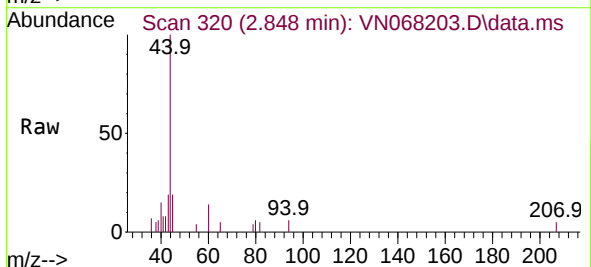
Instrument :
MSVOA_N
ClientSampled :

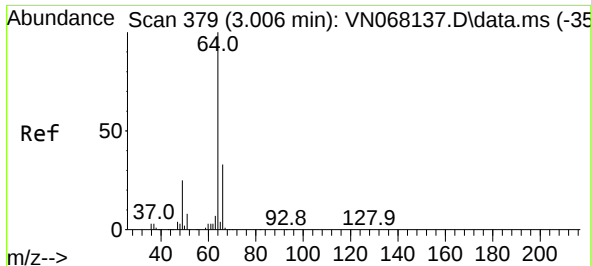
Tgt Ion:168 Resp: 398703
Ion Ratio Lower Upper
168 100
99 51.9 62.9 94.3#



#5
Bromomethane
Concen: Below Cal
RT: 2.848 min Scan# 320
Delta R.T. 0.011 min
Lab File: VN068203.D
Acq: 18 Aug 2021 19:19

Tgt Ion: 94 Resp: 179
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#

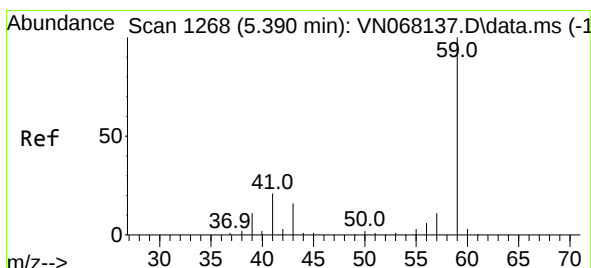
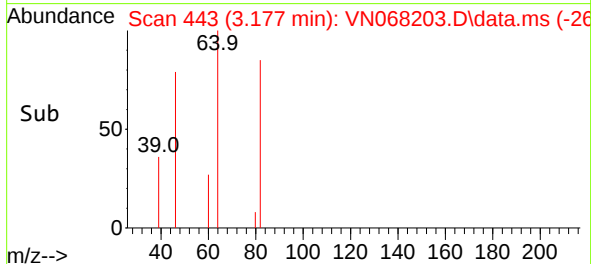
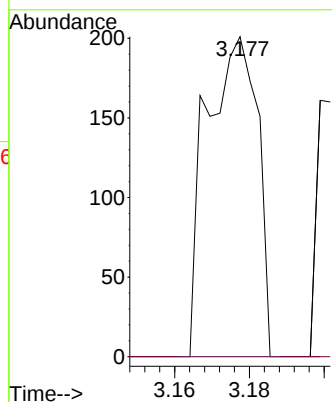
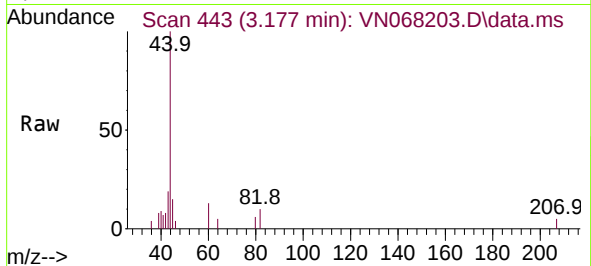




#6
Chloroethane
Concen: Below Cal
RT: 3.177 min Scan# 443
Delta R.T. 0.171 min
Lab File: VN068203.D
Acq: 18 Aug 2021 19:19

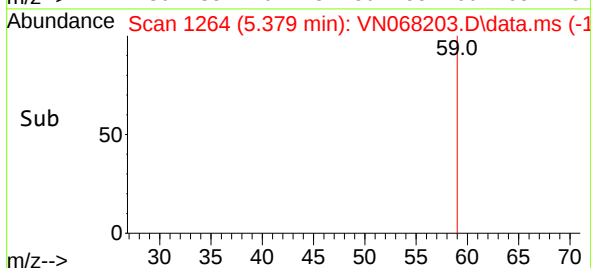
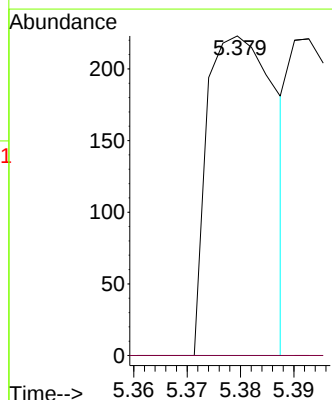
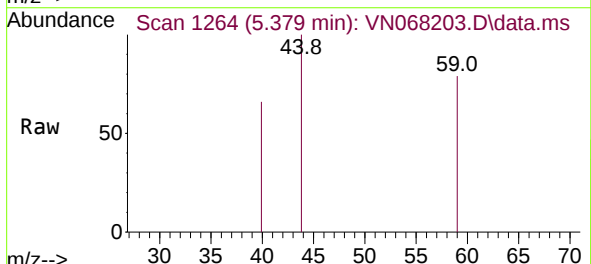
Instrument :
MSVOA_N
ClientSampled :

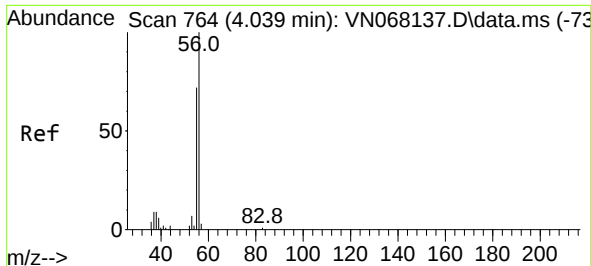
Tgt Ion: 64 Resp: 190
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#11
Tert butyl alcohol
Concen: 0.373 ug/l
RT: 5.379 min Scan# 1264
Delta R.T. -0.011 min
Lab File: VN068203.D
Acq: 18 Aug 2021 19:19

Tgt Ion: 59 Resp: 198
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

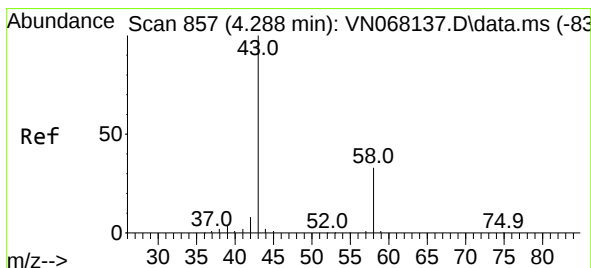
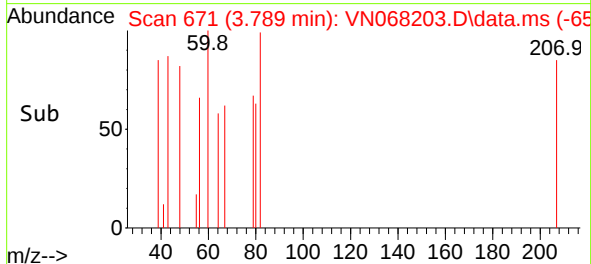
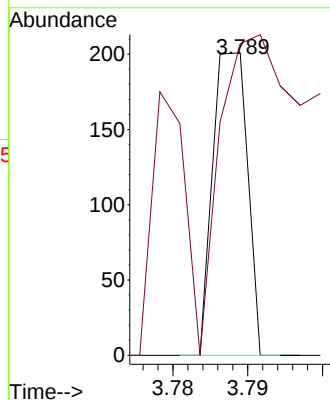
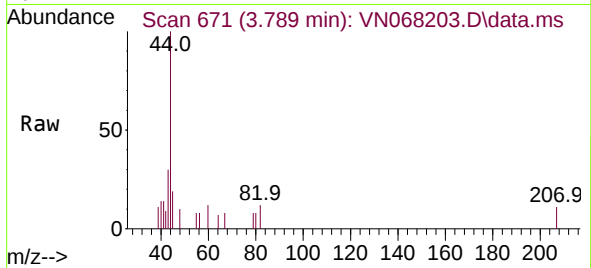




#13
Acrolein
Concen: Below Cal
RT: 3.789 min Scan# 671
Delta R.T. -0.250 min
Lab File: VN068203.D
Acq: 18 Aug 2021 19:19

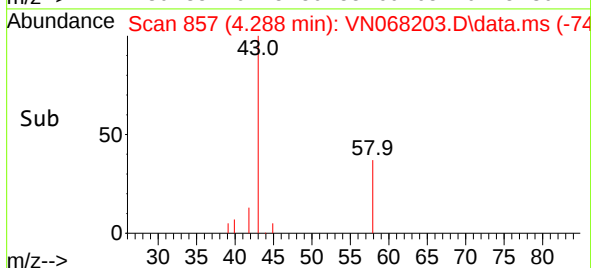
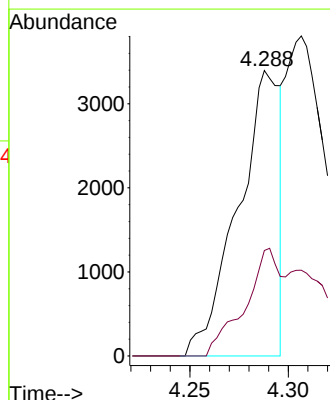
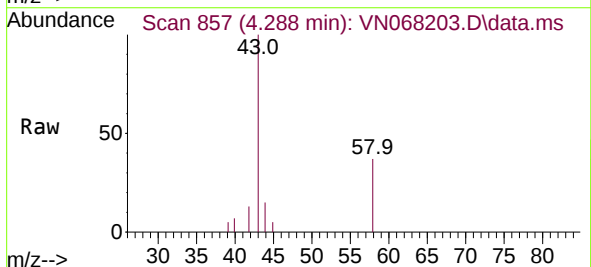
Instrument :
MSVOA_N
ClientSampled :

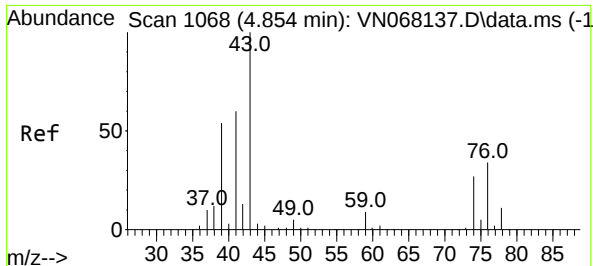
Tgt Ion: 56 Resp: 64
Ion Ratio Lower Upper
56 100
55 315.6 57.4 86.0#



#16
Acetone
Concen: 4.044 ug/l
RT: 4.288 min Scan# 857
Delta R.T. -0.000 min
Lab File: VN068203.D
Acq: 18 Aug 2021 19:19

Tgt Ion: 43 Resp: 5026
Ion Ratio Lower Upper
43 100
58 36.9 21.2 31.8#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.859 min Scan# 1070

Delta R.T. 0.005 min

Lab File: VN068203.D

Acq: 18 Aug 2021 19:19

Tgt Ion: 43 Resp: 3655

Ion Ratio Lower Upper

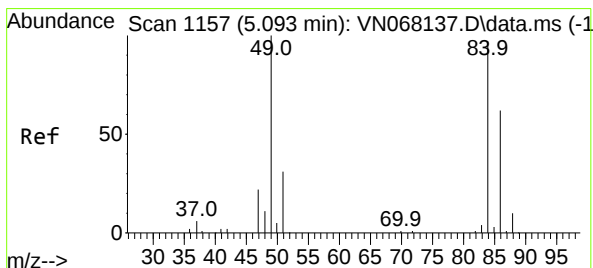
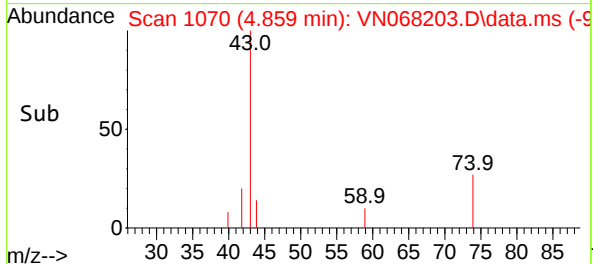
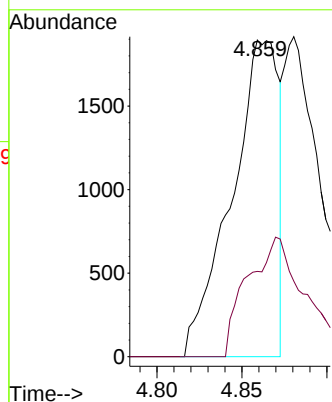
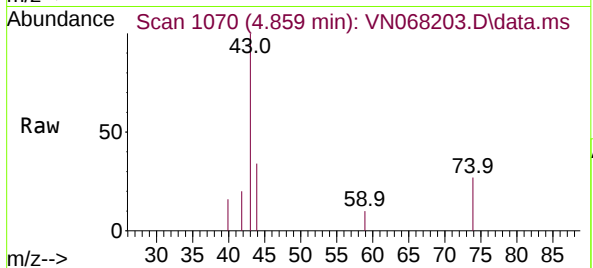
43 100

74 44.2 17.4 26.0#

Instrument :

MSVOA_N

ClientSampled :



#20

Methylene Chloride

Concen: 6.357 ug/l

RT: 5.098 min Scan# 1159

Delta R.T. 0.005 min

Lab File: VN068203.D

Acq: 18 Aug 2021 19:19

Tgt Ion: 84 Resp: 28244

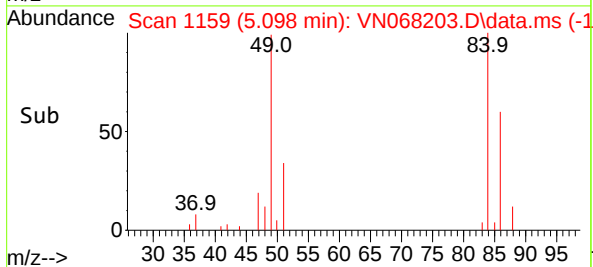
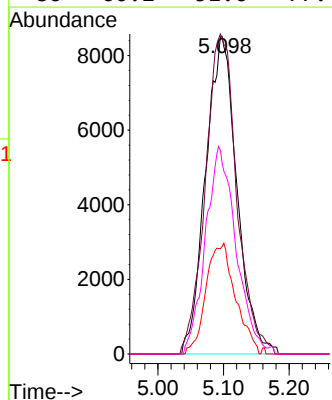
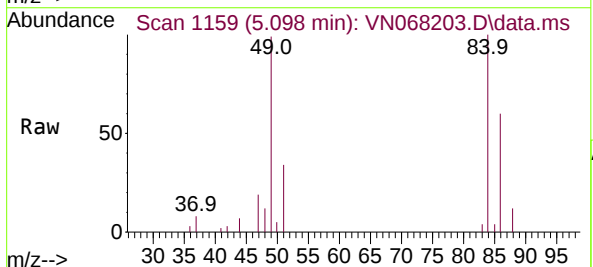
Ion Ratio Lower Upper

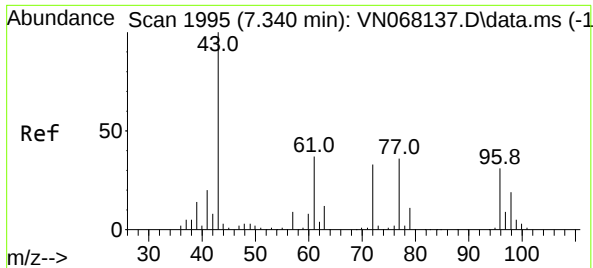
84 100

49 99.4 110.9 166.3#

51 33.8 32.6 49.0

86 60.2 51.6 77.4

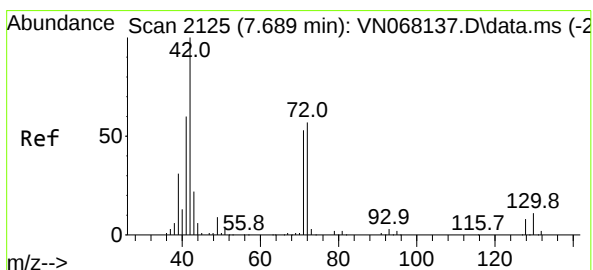
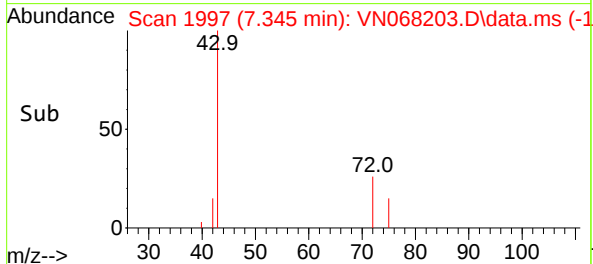
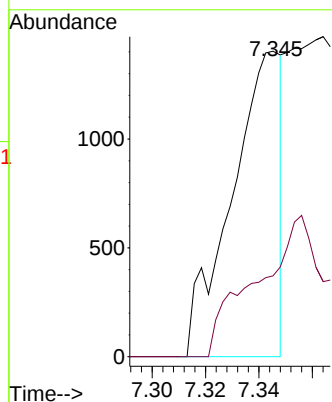
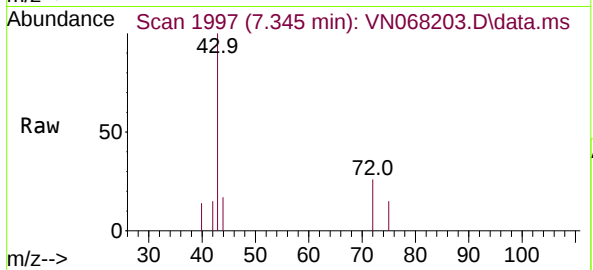




#25
2-Butanone
Concen: 0.933 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. 0.005 min
Lab File: VN068203.D
Acq: 18 Aug 2021 19:19

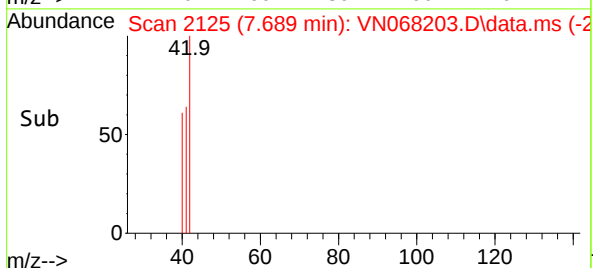
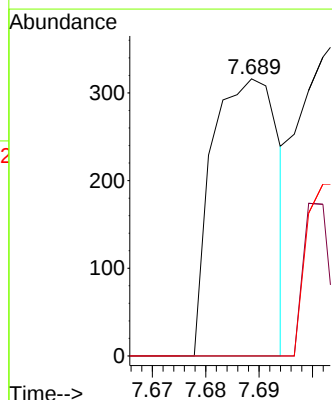
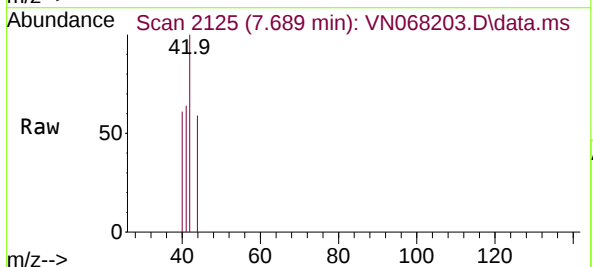
Instrument :
MSVOA_N
ClientSampled :

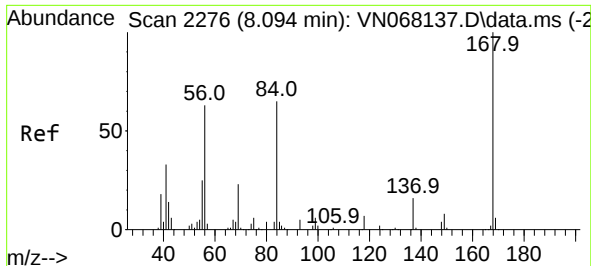
Tgt Ion: 43 Resp: 1807
Ion Ratio Lower Upper
43 100
72 26.4 19.7 29.5



#29
Tetrahydrofuran
Concen: 0.219 ug/l
RT: 7.689 min Scan# 2125
Delta R.T. -0.000 min
Lab File: VN068203.D
Acq: 18 Aug 2021 19:19

Tgt Ion: 42 Resp: 271
Ion Ratio Lower Upper
42 100
72 20.7 32.8 49.2#
71 0.0 31.2 46.8#

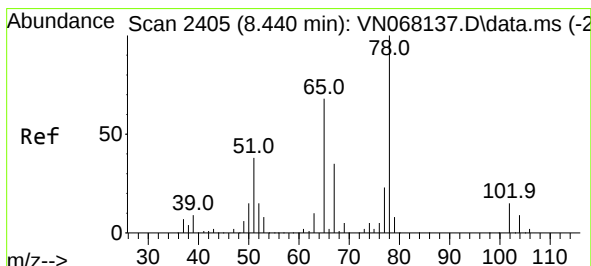
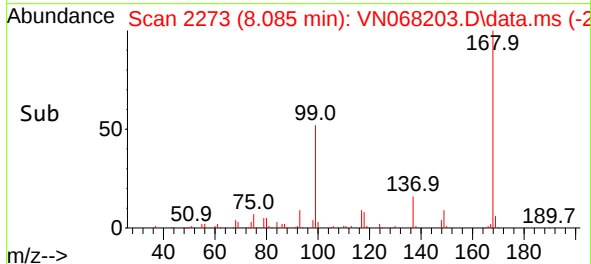
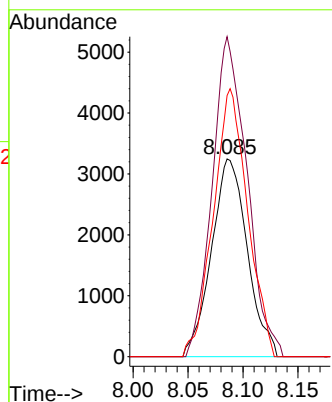
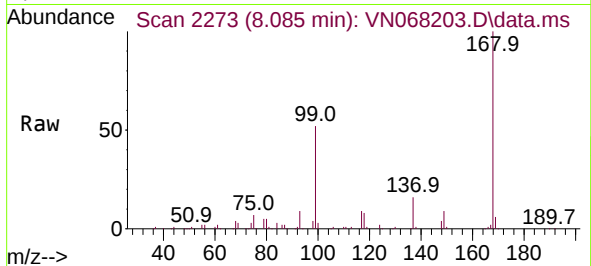




#31
Cyclohexane
Concen: 1.310 ug/l
RT: 8.085 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN068203.D
Acq: 18 Aug 2021 19:19

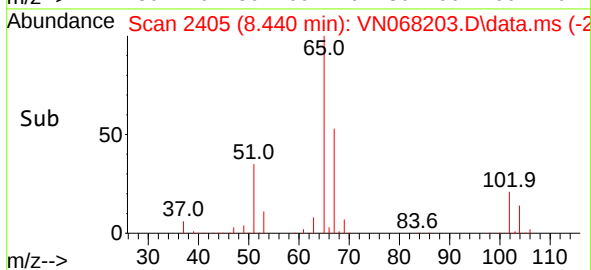
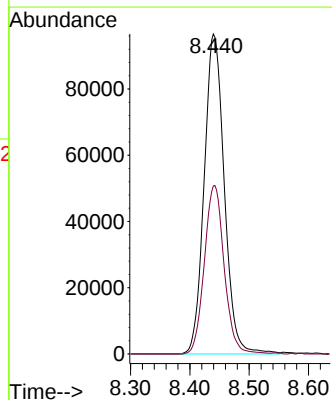
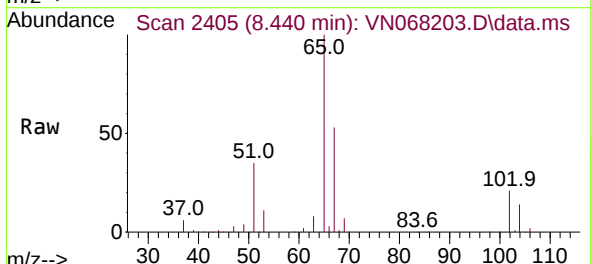
Instrument :
MSVOA_N
ClientSampled :

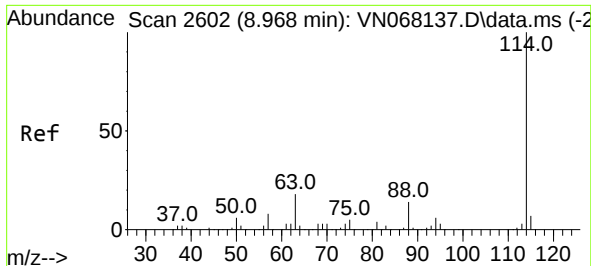
Tgt Ion: 56 Resp: 7348
Ion Ratio Lower Upper
56 100
69 161.9 27.3 40.9#
84 132.1 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 53.389 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068203.D
Acq: 18 Aug 2021 19:19

Tgt Ion: 65 Resp: 227280
Ion Ratio Lower Upper
65 100
67 51.9 0.0 98.6

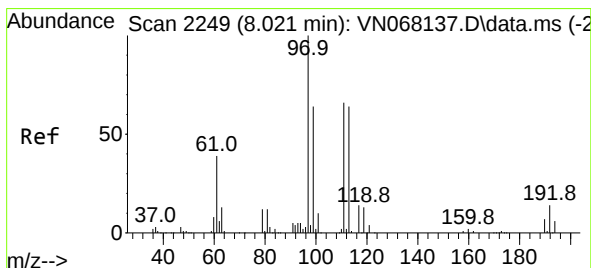
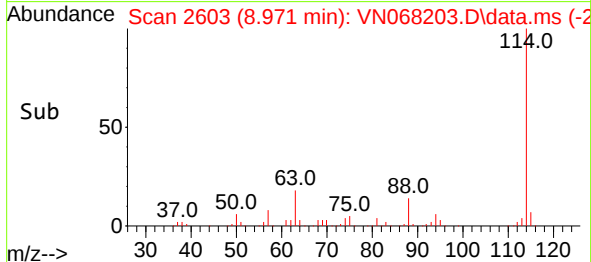
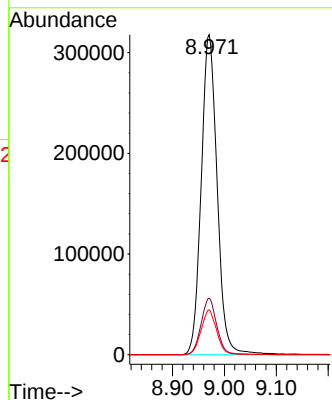
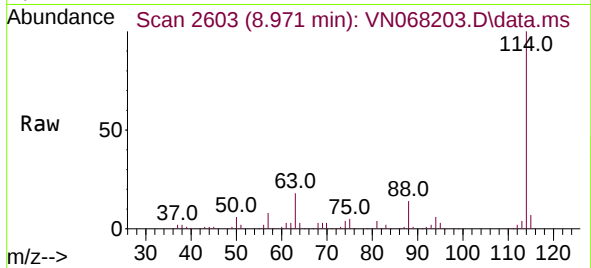




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068203.D
Acq: 18 Aug 2021 19:19

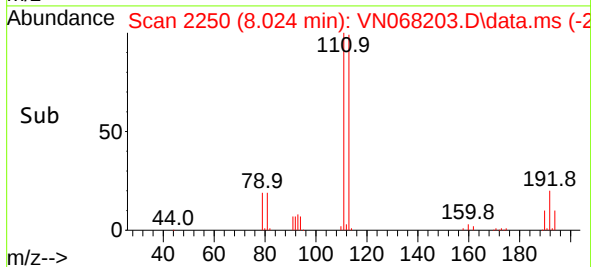
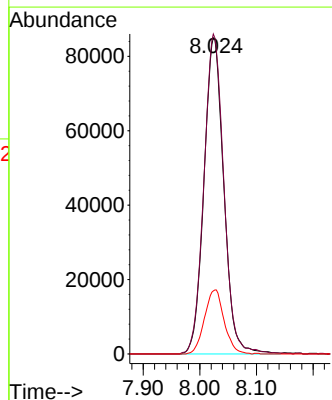
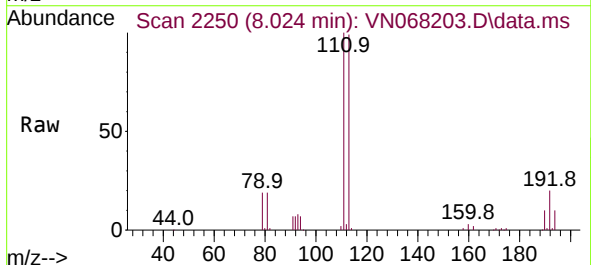
Instrument :
MSVOA_N
ClientSampled :

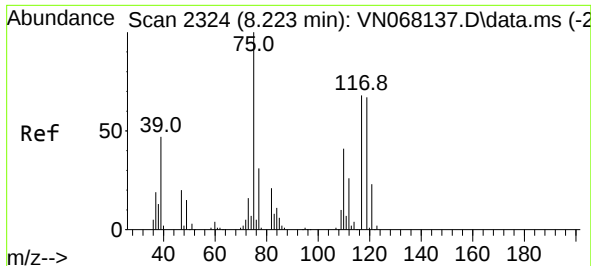
Tgt Ion:114 Resp: 677465
Ion Ratio Lower Upper
114 100
63 17.7 0.0 49.0
88 14.0 0.0 36.6



#35
Dibromofluoromethane
Concen: 48.566 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068203.D
Acq: 18 Aug 2021 19:19

Tgt Ion:113 Resp: 206567
Ion Ratio Lower Upper
113 100
111 101.6 83.8 125.8
192 20.1 13.4 20.0#

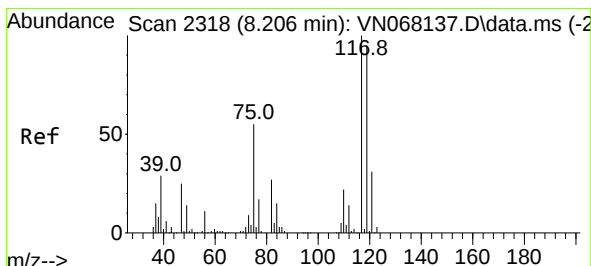
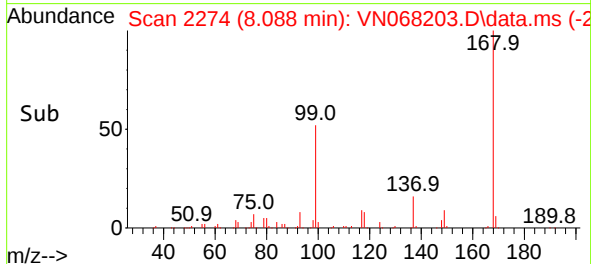
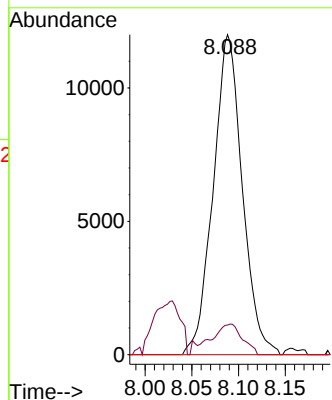
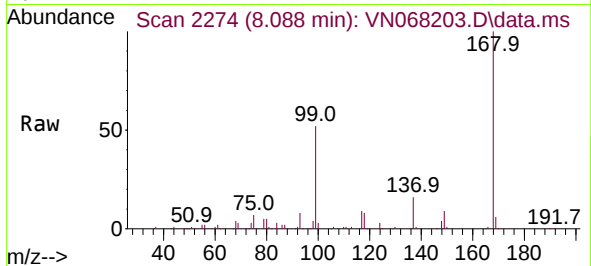




#36
1,1-Dichloropropene
Concen: 4.697 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.135 min
Lab File: VN068203.D
Acq: 18 Aug 2021 19:19

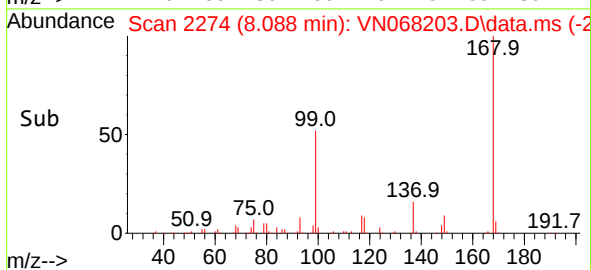
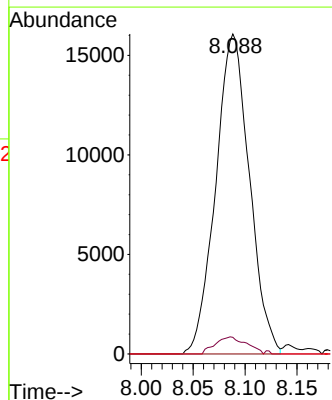
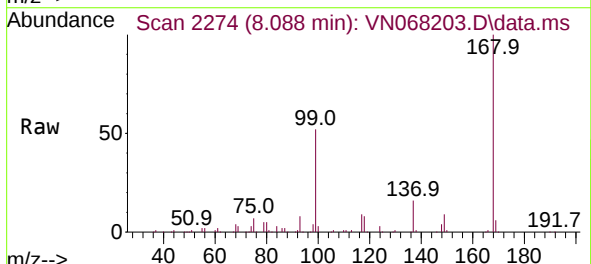
Instrument :
MSVOA_N
ClientSampled :

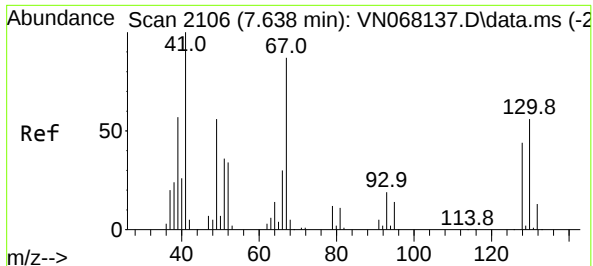
Tgt Ion: 75 Resp: 26014
Ion Ratio Lower Upper
75 100
110 9.9 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.681 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN068203.D
Acq: 18 Aug 2021 19:19

Tgt Ion: 117 Resp: 36288
Ion Ratio Lower Upper
117 100
119 5.2 75.4 113.2#
121 0.0 23.5 35.3#

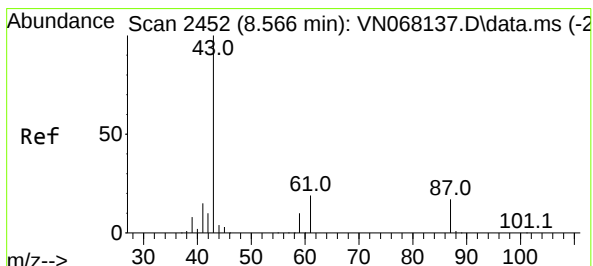
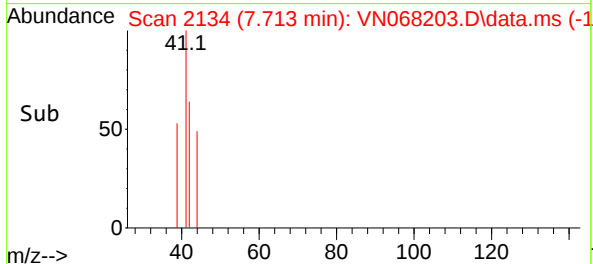
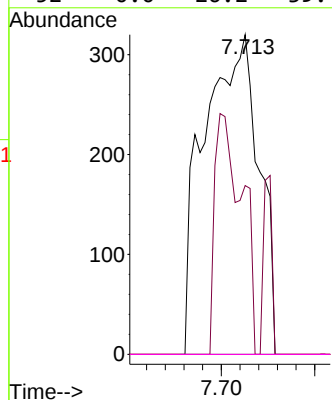
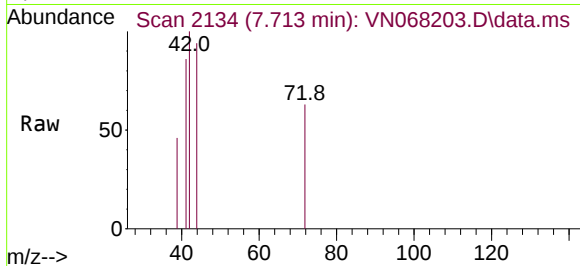




#41
Methacrylonitrile
Concen: 0.302 ug/l
RT: 7.713 min Scan# 2134
Delta R.T. 0.075 min
Lab File: VN068203.D
Acq: 18 Aug 2021 19:19

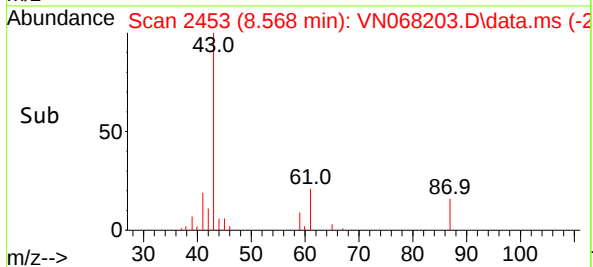
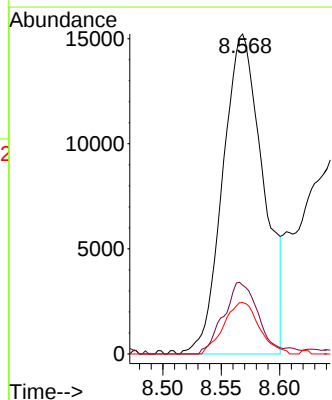
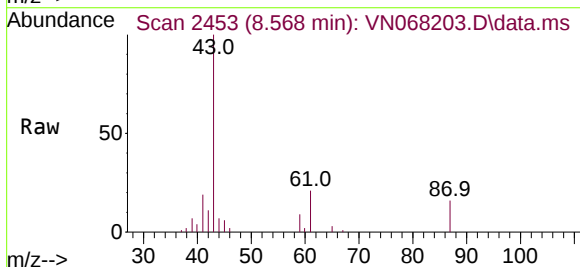
Instrument :
MSVOA_N
ClientSampled :

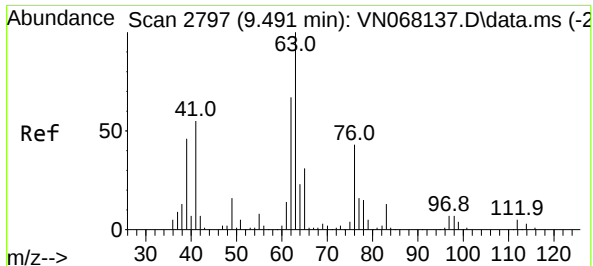
Tgt Ion:	41	Resp:	650
Ion	Ratio	Lower	Upper
41	100		
39	8.8	47.6	71.4#
67	0.0	57.7	86.5#
52	0.0	26.2	39.4#



#43
Isopropyl Acetate
Concen: 4.834 ug/l
RT: 8.568 min Scan# 2453
Delta R.T. 0.002 min
Lab File: VN068203.D
Acq: 18 Aug 2021 19:19

Tgt Ion:	43	Resp:	36531
Ion	Ratio	Lower	Upper
43	100		
61	19.1	19.0	28.4
87	14.1	9.5	14.3

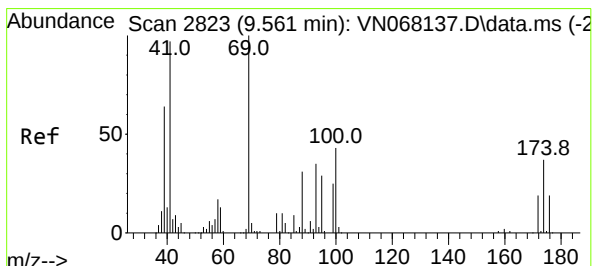
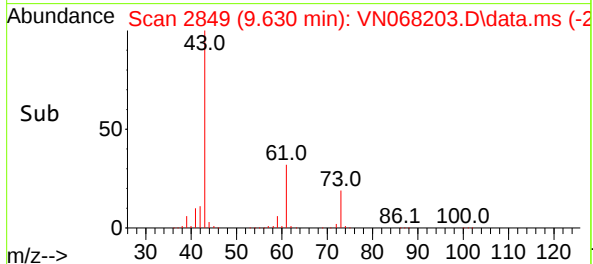
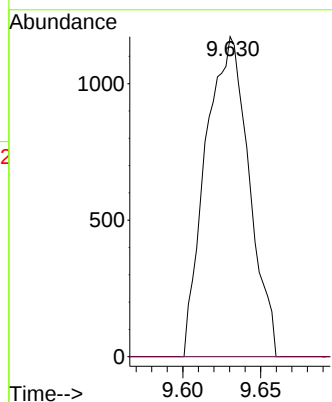
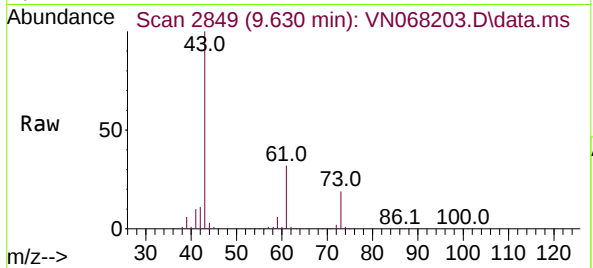




#45
1,2-Dichloropropane
Concen: 0.572 ug/l
RT: 9.630 min Scan# 2849
Delta R.T. 0.139 min
Lab File: VN068203.D
Acq: 18 Aug 2021 19:19

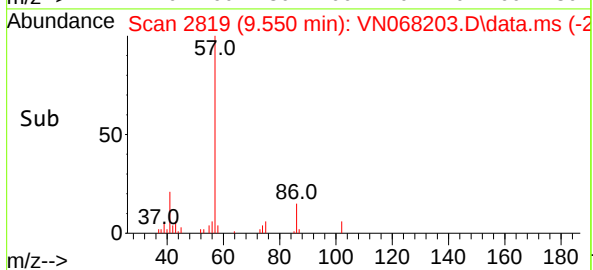
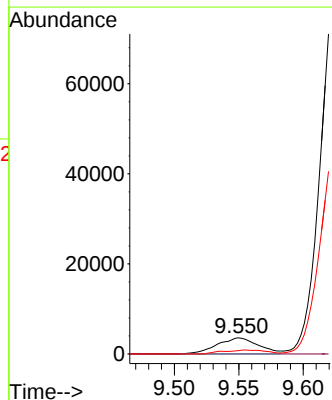
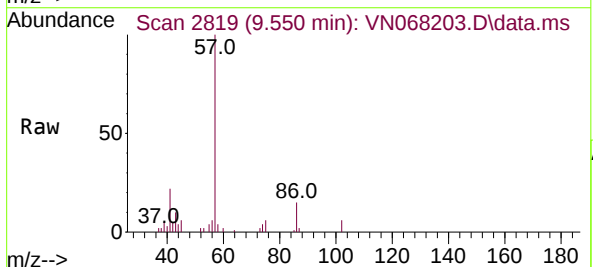
Instrument :
MSVOA_N
ClientSampled :

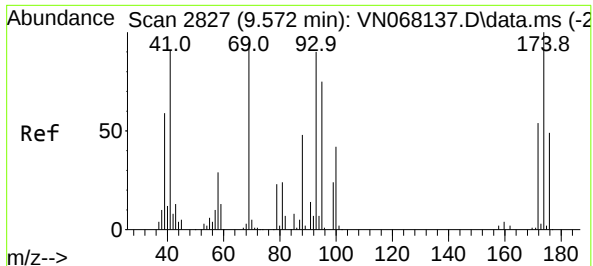
Tgt Ion: 63 Resp: 2273
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#



#48
Methyl methacrylate
Concen: 2.531 ug/l
RT: 9.550 min Scan# 2819
Delta R.T. -0.011 min
Lab File: VN068203.D
Acq: 18 Aug 2021 19:19

Tgt Ion: 41 Resp: 7972
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: 2.785 ug/l

RT: 9.628 min Scan# 2848

Delta R.T. 0.056 min

Lab File: VN068203.D

Acq: 18 Aug 2021 19:19

Instrument :
MSVOA_N
ClientSampled :

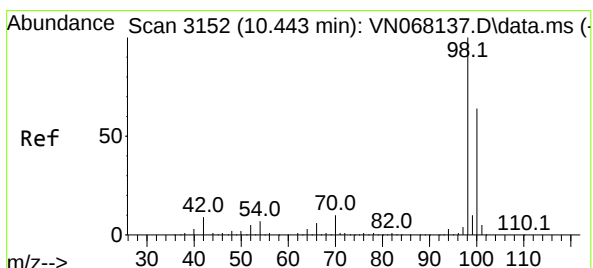
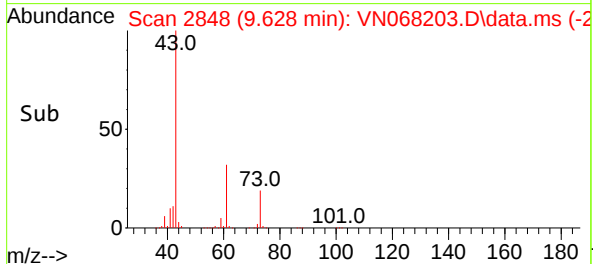
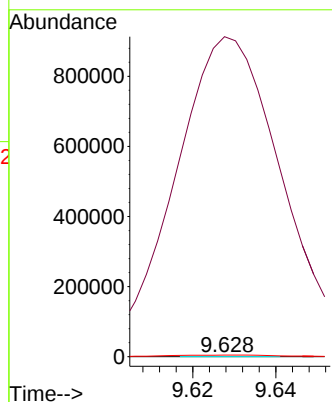
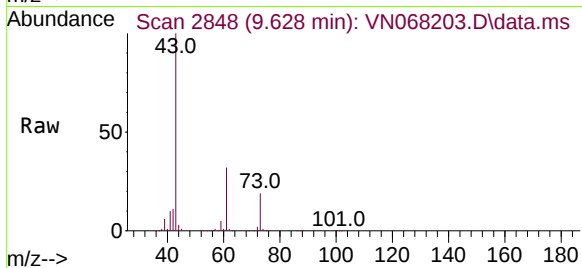
Tgt Ion: 88 Resp: 212

Ion Ratio Lower Upper

88 100

43 819053.3 28.8 43.2#

58 4465.1 60.4 90.6#



#50

Toluene-d8

Concen: 51.743 ug/l

RT: 10.446 min Scan# 3153

Delta R.T. 0.003 min

Lab File: VN068203.D

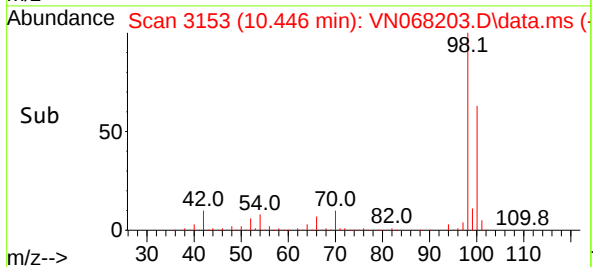
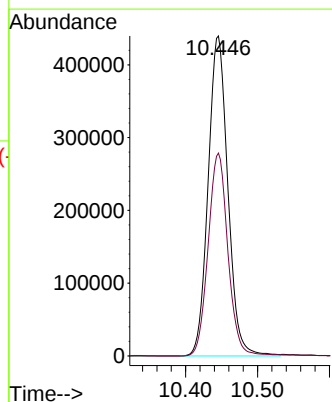
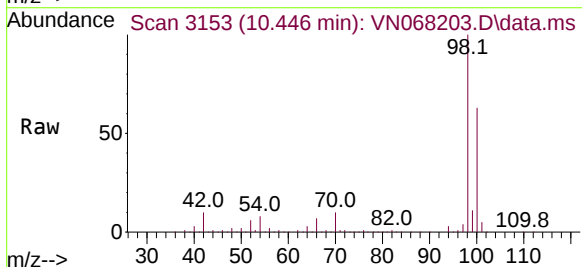
Acq: 18 Aug 2021 19:19

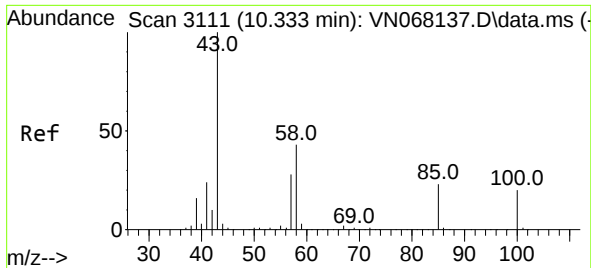
Tgt Ion: 98 Resp: 838575

Ion Ratio Lower Upper

98 100

100 63.6 51.7 77.5

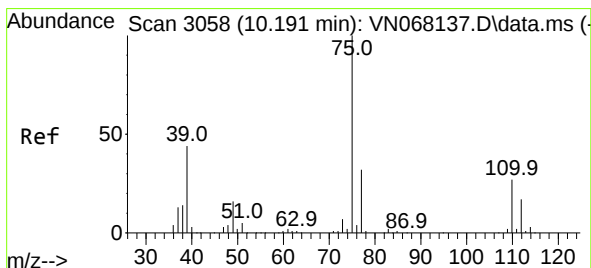
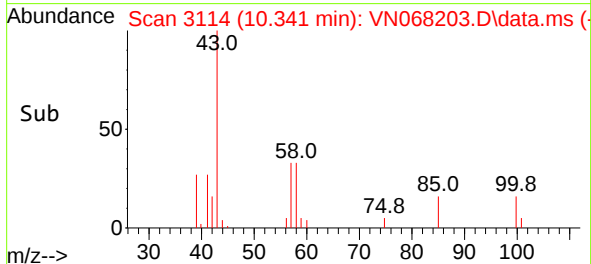
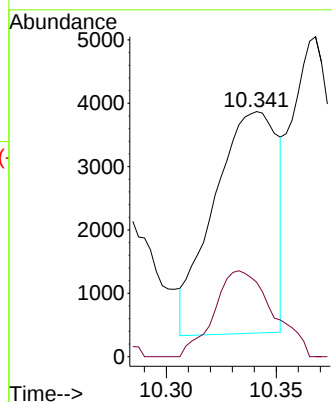
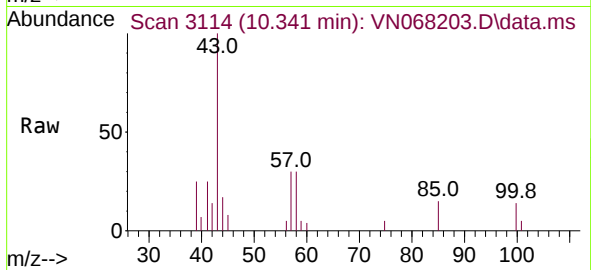




#51
4-Methyl-2-Pentanone
Concen: 1.515 ug/l
RT: 10.341 min Scan# 3114
Delta R.T. 0.008 min
Lab File: VN068203.D
Acq: 18 Aug 2021 19:19

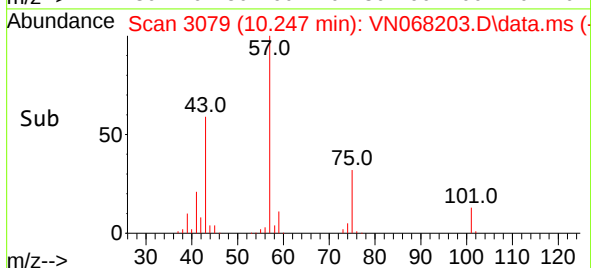
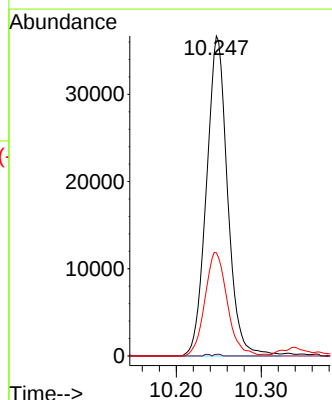
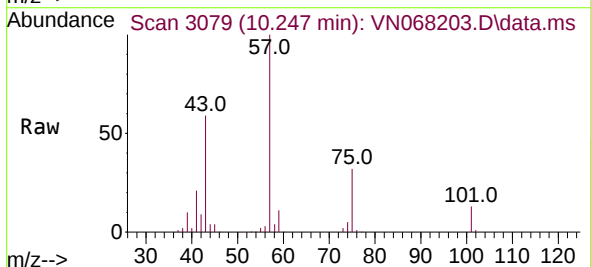
Instrument :
MSVOA_N
ClientSampled :

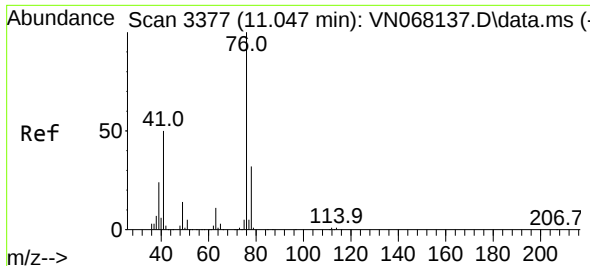
Tgt Ion: 43 Resp: 7035
Ion Ratio Lower Upper
43 100
58 35.7 28.6 43.0



#54
cis-1,3-Dichloropropene
Concen: 9.860 ug/l
RT: 10.247 min Scan# 3079
Delta R.T. 0.056 min
Lab File: VN068203.D
Acq: 18 Aug 2021 19:19

Tgt Ion: 75 Resp: 63241
Ion Ratio Lower Upper
75 100
77 0.5 24.6 37.0#
39 32.2 50.7 76.1#

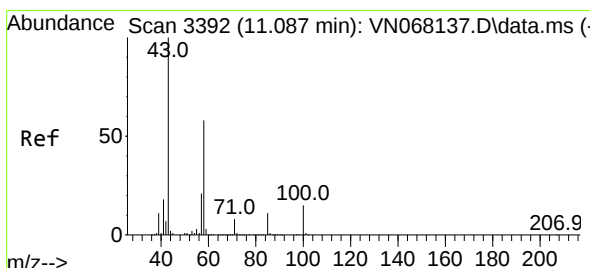
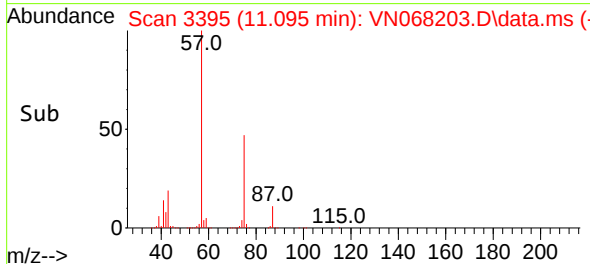
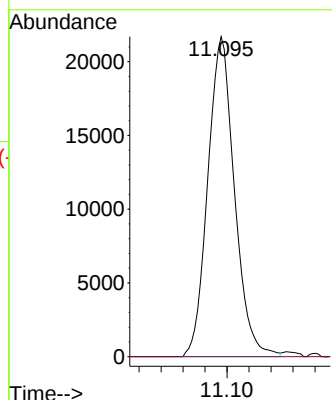
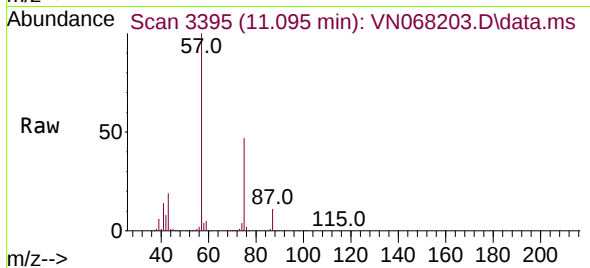




#57
1,3-Dichloropropane
Concen: 5.153 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.048 min
Lab File: VN068203.D
Acq: 18 Aug 2021 19:19

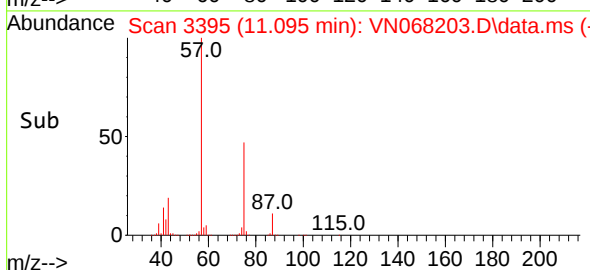
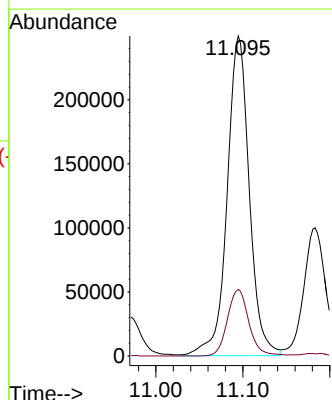
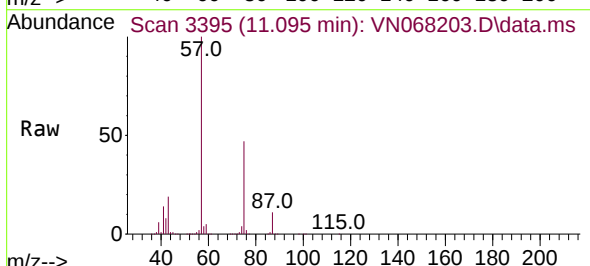
Instrument :
MSVOA_N
ClientSampled :

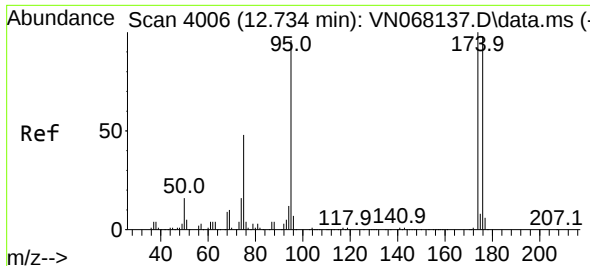
Tgt Ion: 76 Resp: 36545
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 137.332 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN068203.D
Acq: 18 Aug 2021 19:19

Tgt Ion: 43 Resp: 442684
Ion Ratio Lower Upper
43 100
58 20.2 24.7 74.1#

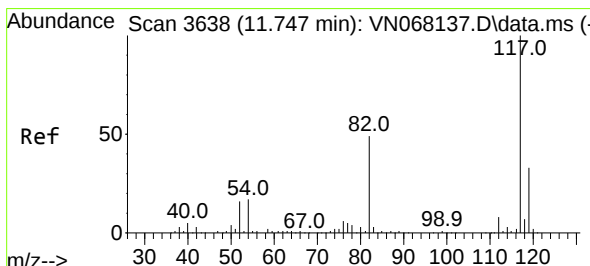
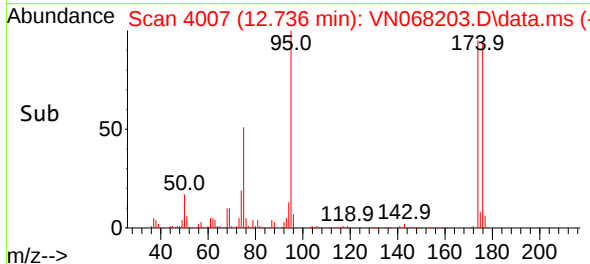
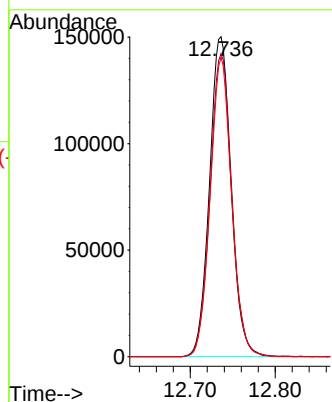
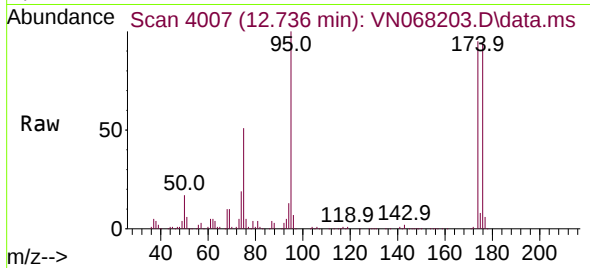




#62
4-Bromofluorobenzene
Concen: 49.224 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.002 min
Lab File: VN068203.D
Acq: 18 Aug 2021 19:19

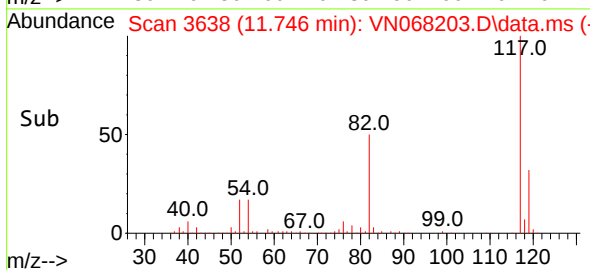
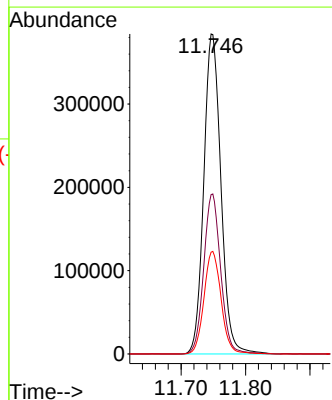
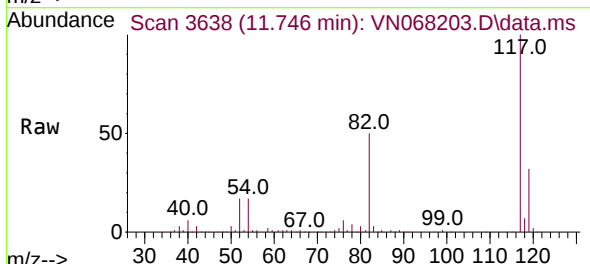
Instrument :
MSVOA_N
ClientSampled :

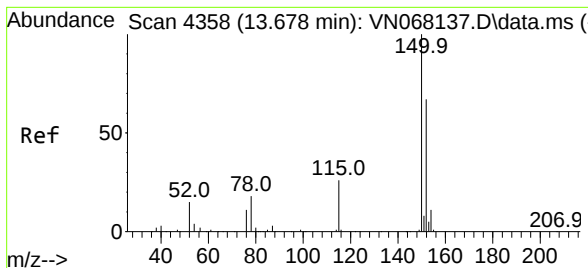
Tgt Ion: 95 Resp: 265570
Ion Ratio Lower Upper
95 100
174 95.8 0.0 122.0
176 92.3 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.001 min
Lab File: VN068203.D
Acq: 18 Aug 2021 19:19

Tgt Ion: 117 Resp: 710919
Ion Ratio Lower Upper
117 100
82 49.8 53.1 79.7#
119 31.8 25.5 38.3



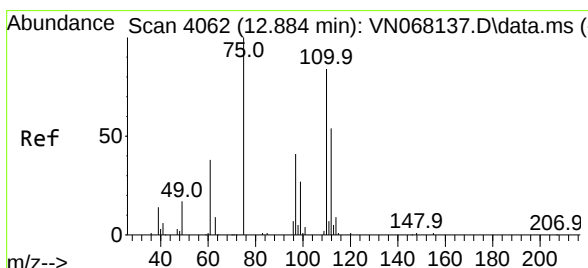
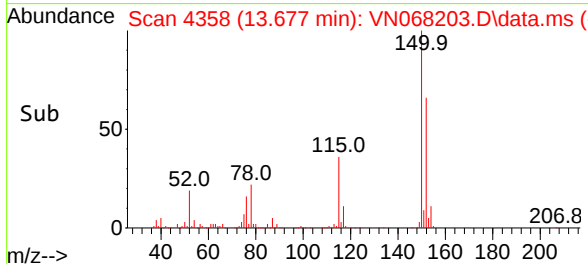
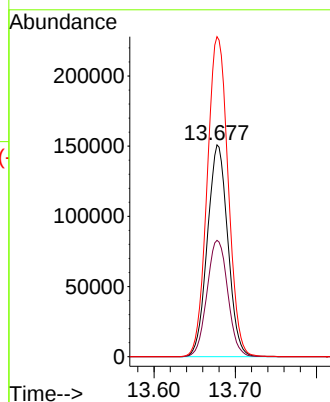
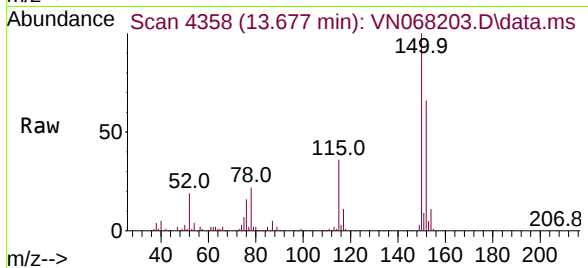


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. -0.001 min
Lab File: VN068203.D
Acq: 18 Aug 2021 19:19

Instrument :
MSVOA_N
ClientSampled :

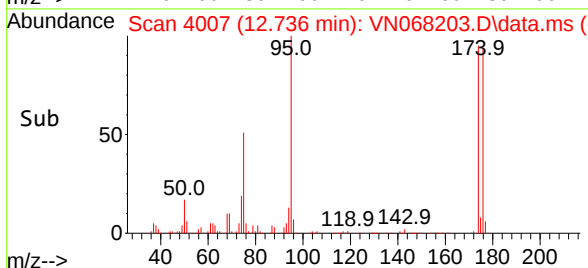
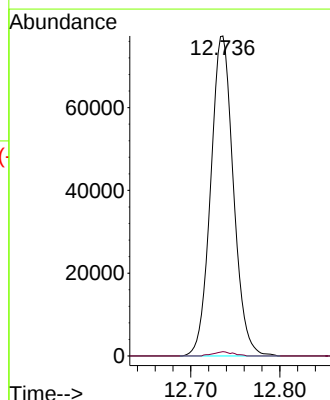
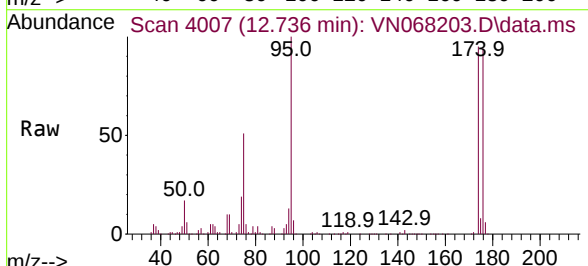
Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.9	36.1	108.5
150	154.9	0.0	351.8

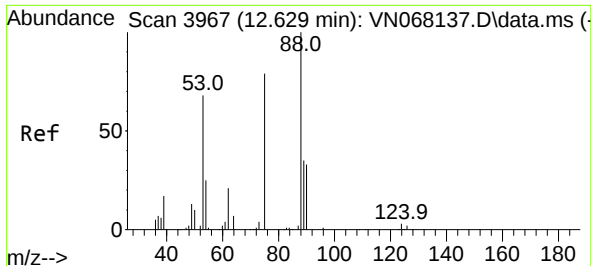


#76

1,2,3-Trichloropropane
Concen: 31.230 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. -0.148 min
Lab File: VN068203.D
Acq: 18 Aug 2021 19:19

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.2	0.0	0.0#

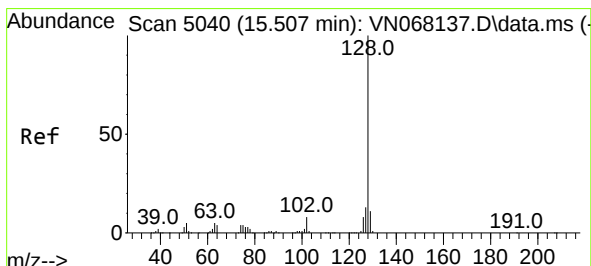
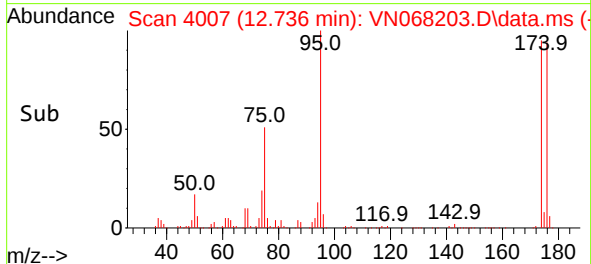
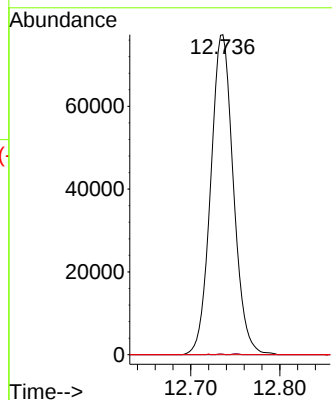
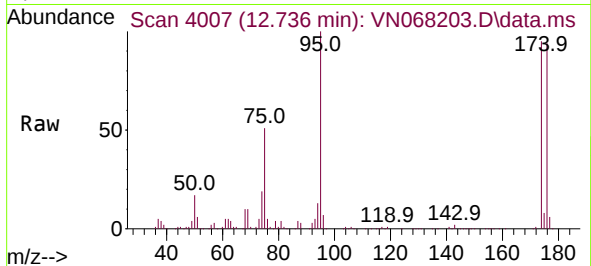




#81
trans-1,4-Dichloro-2-butene
Concen: 102.315 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.107 min
Lab File: VN068203.D
Acq: 18 Aug 2021 19:19

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 75 Resp: 136967
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 0.0 37.8 56.8#



#95
Naphthalene
Concen: 3.399 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN068203.D
Acq: 18 Aug 2021 19:19

Tgt Ion:128 Resp: 612
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#

