

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072321\
 Data File : VN067891.D
 Acq On : 23 Jul 2021 19:45
 Operator : JC/MD
 Sample : M3150-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 24 01:43:55 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)

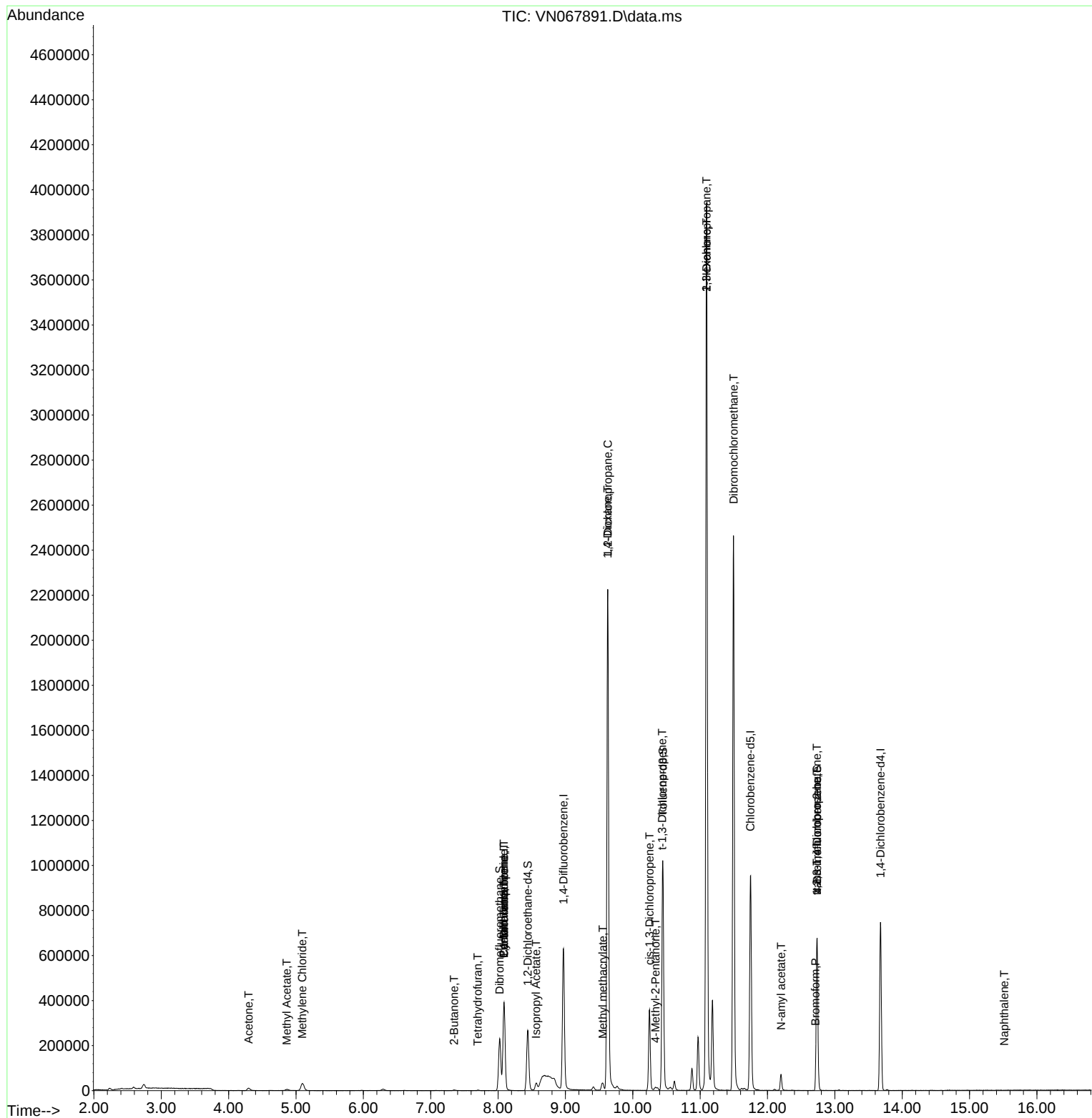
Internal Standards						
1) Pentafluorobenzene	8.088	168	281083	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	548993	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	565563	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	194681	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	228184	53.715	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 107.440%			
35) Dibromofluoromethane	8.024	113	168036	50.661	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 101.320%			
50) Toluene-d8	10.446	98	716280	51.592	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.180%			
62) 4-Bromofluorobenzene	12.736	95	241451	49.231	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 98.460%			
Target Compounds					Qvalue	
5) Bromomethane	2.799	94	83	Below Cal	#	4
6) Chloroethane	3.011	64	54	Below Cal	#	44
13) Acrolein	4.038	56	124	Below Cal	#	14
16) Acetone	4.296	43	20431	15.285	ug/l	99
18) Methyl Acetate	4.862	43	6017	1.603	ug/l	# 70
20) Methylene Chloride	5.092	84	25626	7.623	ug/l	# 88
25) 2-Butanone	7.348	43	5248	2.364	ug/l	# 86
29) Tetrahydrofuran	7.697	42	1582	1.084	ug/l	# 69
31) Cyclohexane	8.088	56	7663	1.287	ug/l	# 26
36) 1,1-Dichloropropene	8.088	75	26130	5.124	ug/l	# 52
38) Carbon Tetrachloride	8.088	117	31586	6.279	ug/l	# 17
43) Isopropyl Acetate	8.566	43	39836	4.583	ug/l	# 93
45) 1,2-Dichloropropane	9.630	63	2771	0.717	ug/l	# 44
48) Methyl methacrylate	9.555	41	8680	2.258	ug/l	# 12
49) 1,4-Dioxane	9.625	88	297	35.892	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.336	43	7178	1.344	ug/l	# 80
53) t-1,3-Dichloropropene	10.438	75	112	1.761	ug/l	# 4
54) cis-1,3-Dichloropropene	10.247	75	61639	10.339	ug/l	# 62
57) 1,3-Dichloropropane	11.095	76	42171	6.418	ug/l	# 43
59) 2-Hexanone	11.095	43	606558	162.739	ug/l	# 54
60) Dibromochloromethane	11.497	129	242	2.406	ug/l	# 11
71) Bromoform	12.712	173	28	3.183	ug/l	# 29
74) N-amyl acetate	12.200	43	21146	3.711	ug/l	# 53
76) 1,2,3-Trichloropropane	12.733	75	133964	33.695	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.733	75	133964	108.637	ug/l	# 6
95) Naphthalene	15.515	128	120	3.024	ug/l	# 69

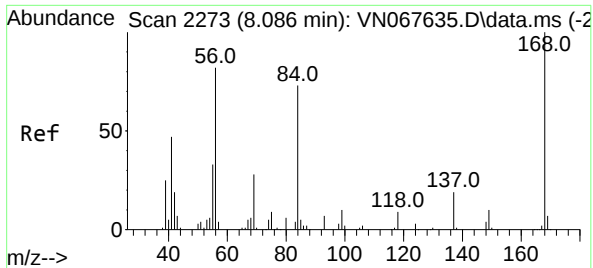
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072321\
Data File : VN067891.D
Acq On : 23 Jul 2021 19:45
Operator : JC/MD
Sample : M3150-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jul 24 01:43:55 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

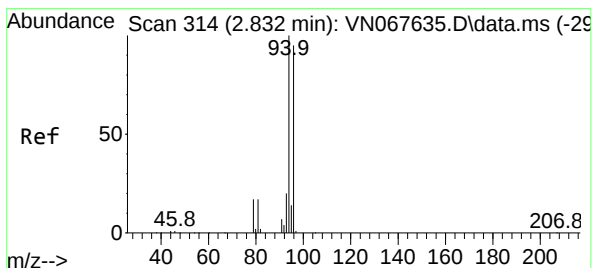
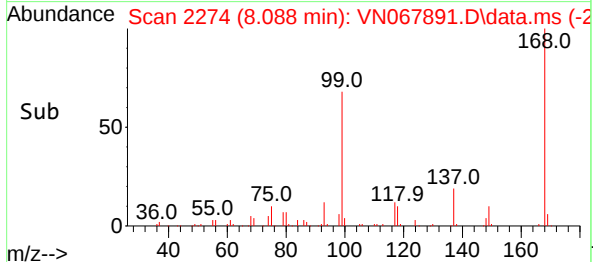
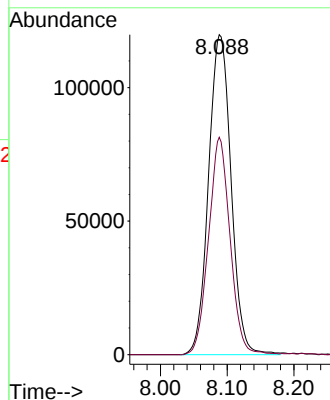
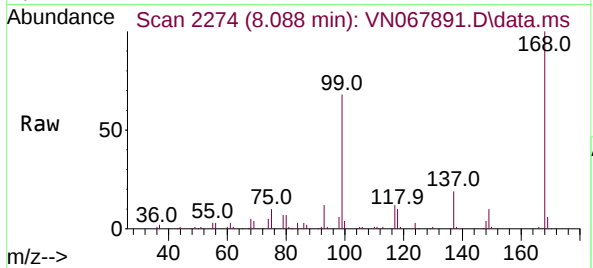




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN067891.D
Acq: 23 Jul 2021 19:45

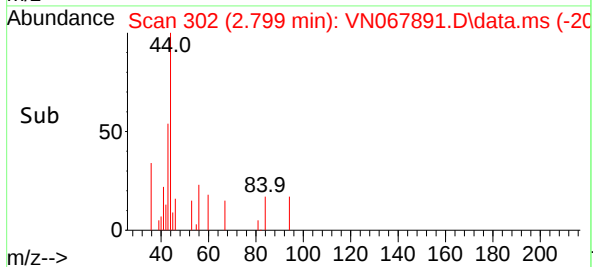
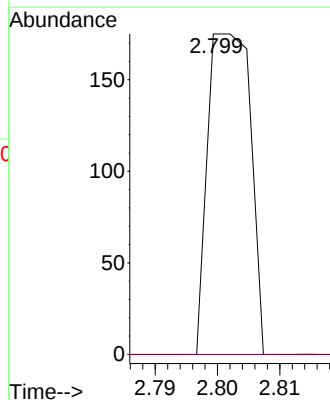
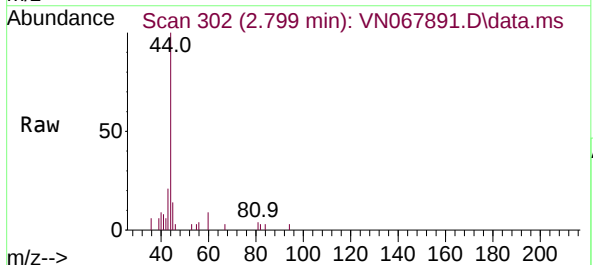
Instrument :
MSVOA_N
ClientSampled :

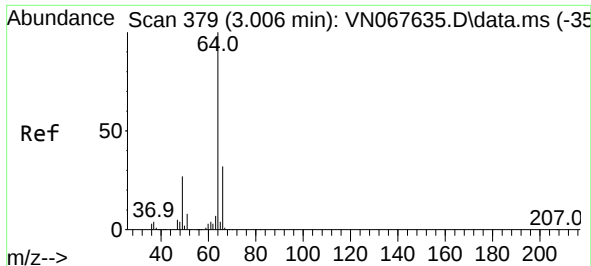
Tgt Ion:168 Resp: 281083
Ion Ratio Lower Upper
168 100
99 68.0 62.9 94.3



#5
Bromomethane
Concen: Below Cal
RT: 2.799 min Scan# 302
Delta R.T. -0.033 min
Lab File: VN067891.D
Acq: 23 Jul 2021 19:45

Tgt Ion: 94 Resp: 83
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#

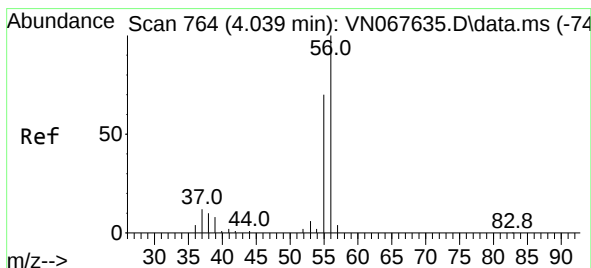
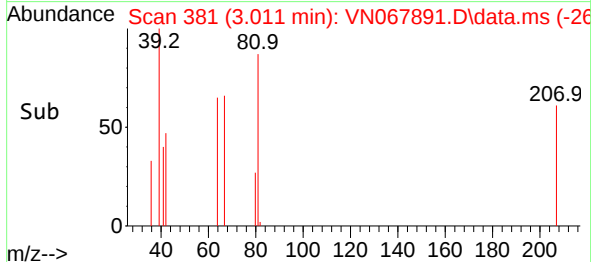
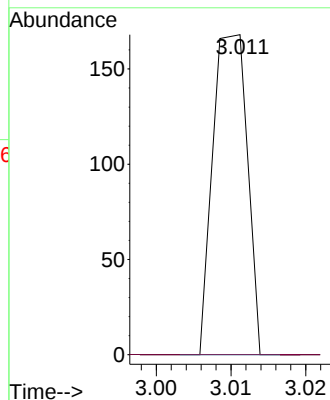
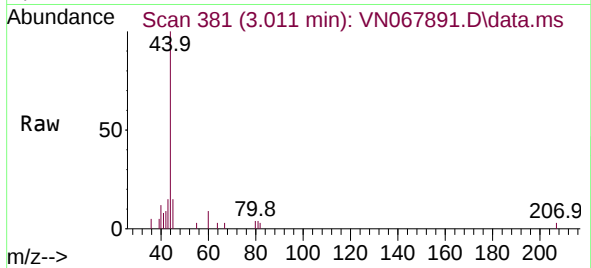




#6
Chloroethane
Concen: Below Cal
RT: 3.011 min Scan# 381
Delta R.T. 0.005 min
Lab File: VN067891.D
Acq: 23 Jul 2021 19:45

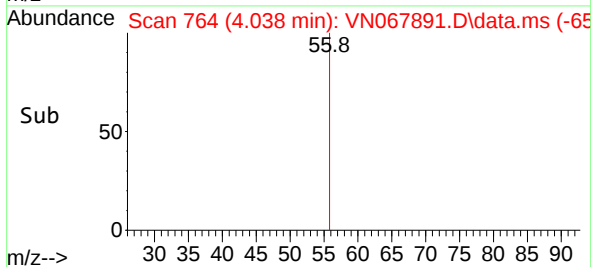
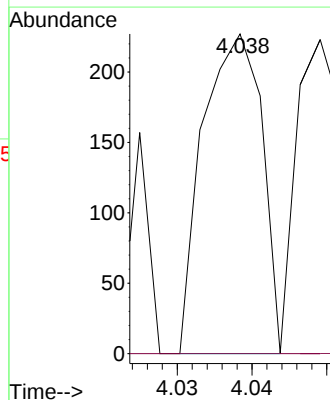
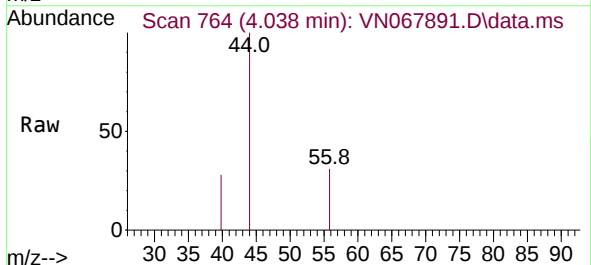
Instrument :
MSVOA_N
ClientSampled :

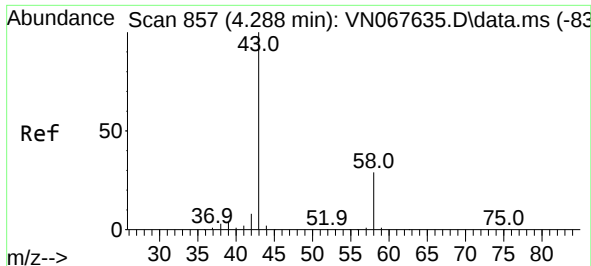
Tgt Ion: 64 Resp: 54
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#13
Acrolein
Concen: Below Cal
RT: 4.038 min Scan# 764
Delta R.T. -0.001 min
Lab File: VN067891.D
Acq: 23 Jul 2021 19:45

Tgt Ion: 56 Resp: 124
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#

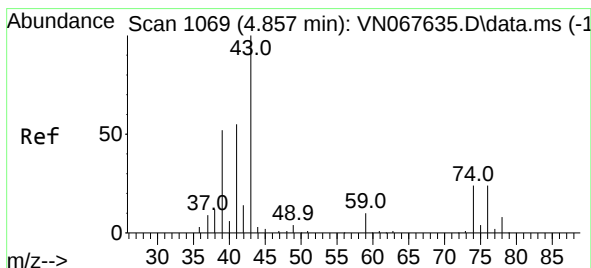
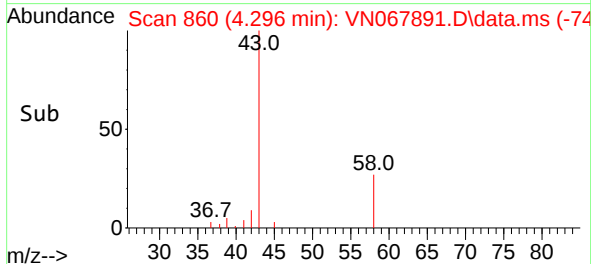
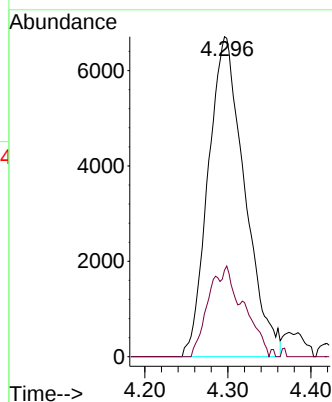
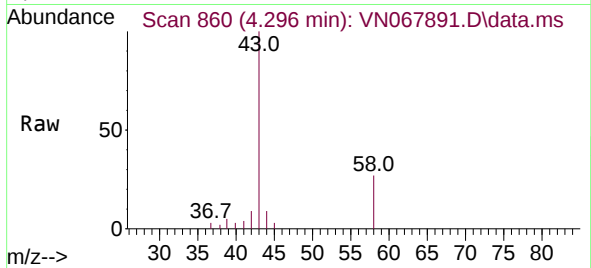




#16
Acetone
Concen: 15.285 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.008 min
Lab File: VN067891.D
Acq: 23 Jul 2021 19:45

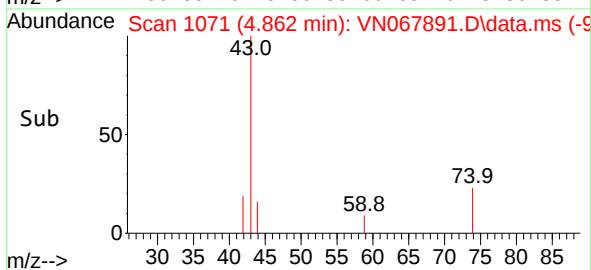
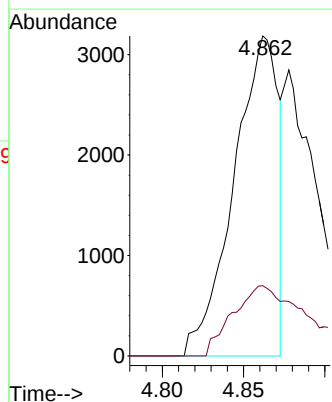
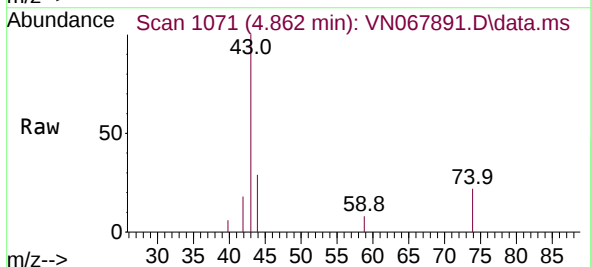
Instrument :
MSVOA_N
ClientSampled :

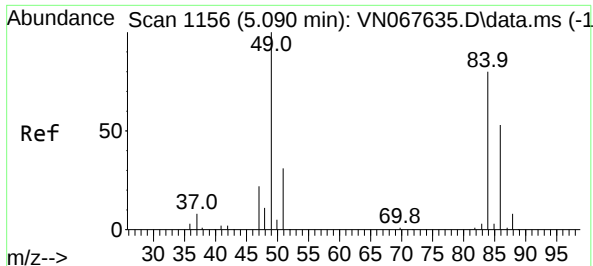
Tgt Ion: 43 Resp: 20431
Ion Ratio Lower Upper
43 100
58 27.1 21.2 31.8



#18
Methyl Acetate
Concen: 1.603 ug/l
RT: 4.862 min Scan# 1071
Delta R.T. 0.005 min
Lab File: VN067891.D
Acq: 23 Jul 2021 19:45

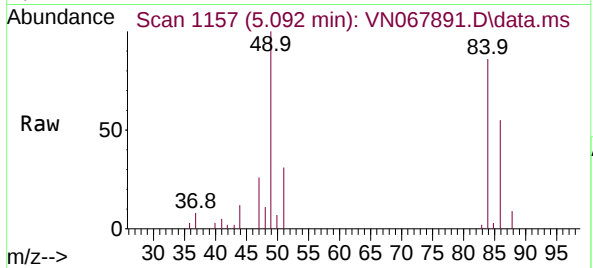
Tgt Ion: 43 Resp: 6017
Ion Ratio Lower Upper
43 100
74 35.9 17.4 26.0#



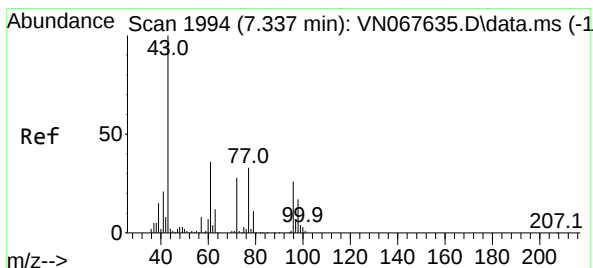
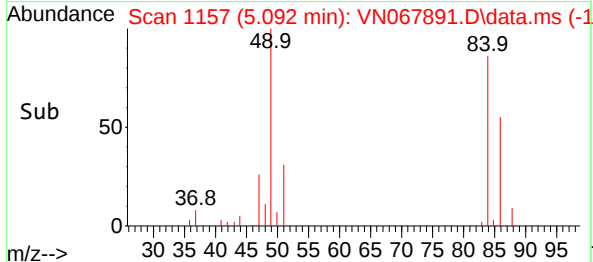
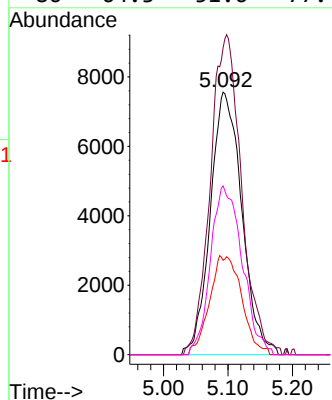


#20
Methylene Chloride
Concen: 7.623 ug/l
RT: 5.092 min Scan# 1157
Delta R.T. 0.002 min
Lab File: VN067891.D
Acq: 23 Jul 2021 19:45

Instrument :
MSVOA_N
ClientSampled :

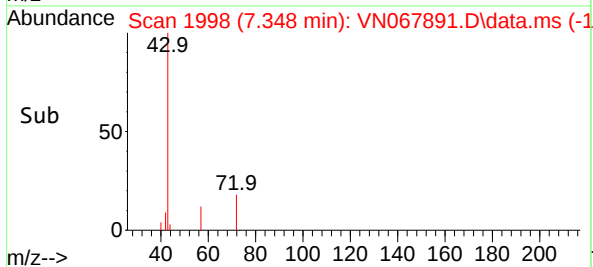
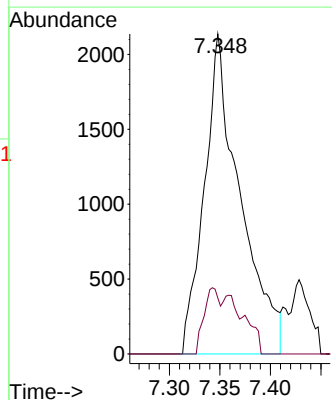
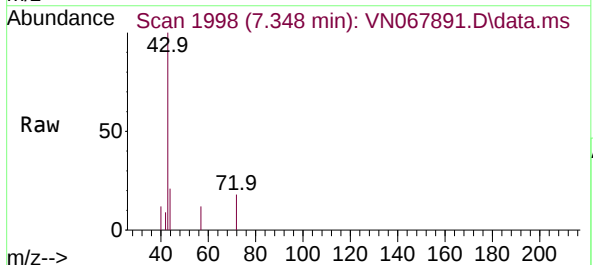


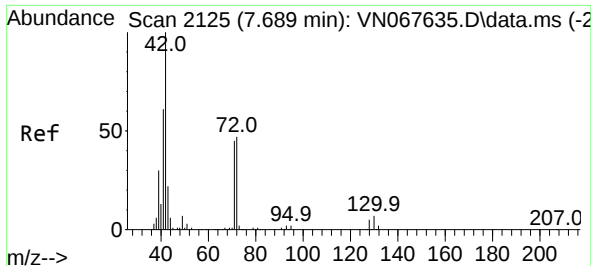
Tgt Ion:	84	Resp:	25626
Ion	Ratio	Lower	Upper
84	100		
49	116.9	110.9	166.3
51	36.0	32.6	49.0
86	64.3	51.6	77.4



#25
2-Butanone
Concen: 2.364 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.011 min
Lab File: VN067891.D
Acq: 23 Jul 2021 19:45

Tgt Ion:	43	Resp:	5248
Ion	Ratio	Lower	Upper
43	100		
72	17.5	19.7	29.5#





#29

Tetrahydrofuran

Concen: 1.084 ug/l

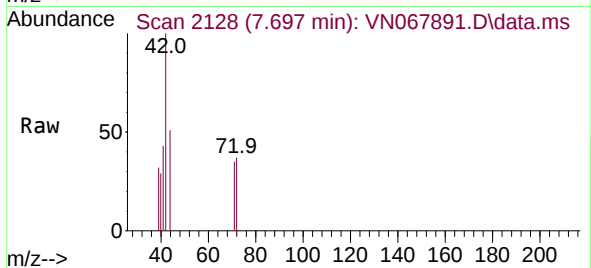
RT: 7.697 min Scan# 2128

Delta R.T. 0.008 min

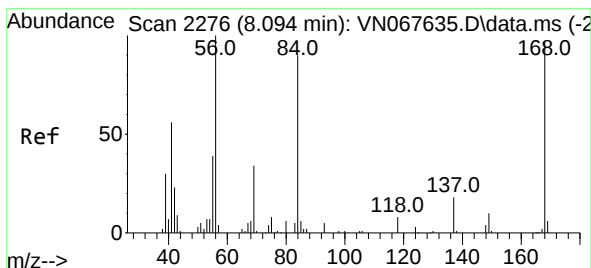
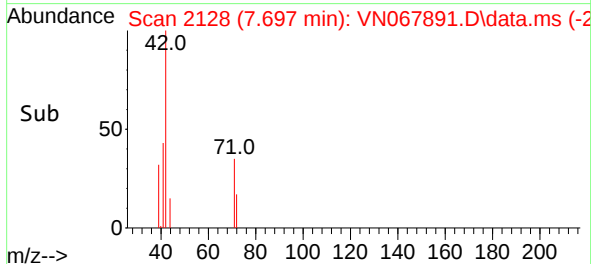
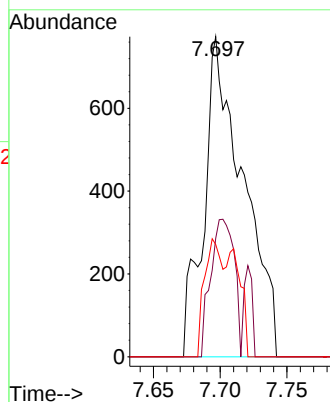
Lab File: VN067891.D

Acq: 23 Jul 2021 19:45

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion:	42	Resp:	1582
Ion Ratio	Lower	Upper	
42	100		
72	25.7	32.8	49.2#
71	16.3	31.2	46.8#



#31

Cyclohexane

Concen: 1.287 ug/l

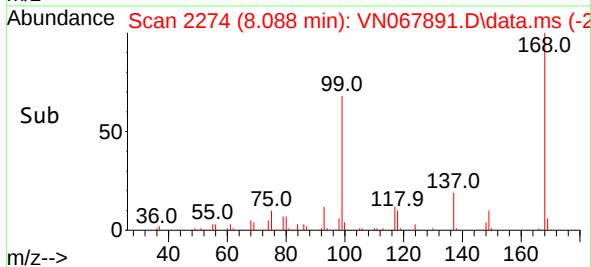
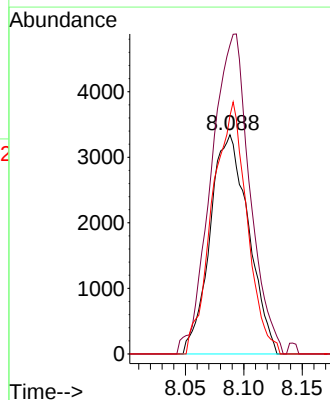
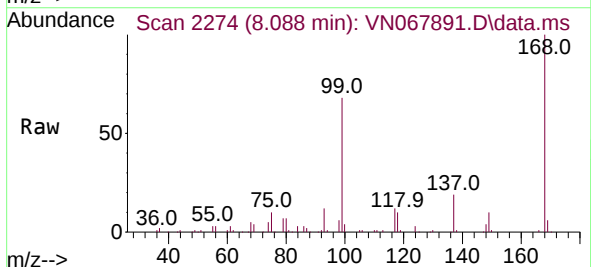
RT: 8.088 min Scan# 2274

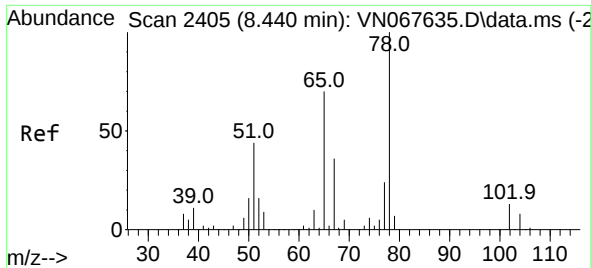
Delta R.T. -0.006 min

Lab File: VN067891.D

Acq: 23 Jul 2021 19:45

Tgt Ion:	56	Resp:	7663
Ion Ratio	Lower	Upper	
56	100		
69	136.0	27.3	40.9#
84	108.6	64.9	97.3#

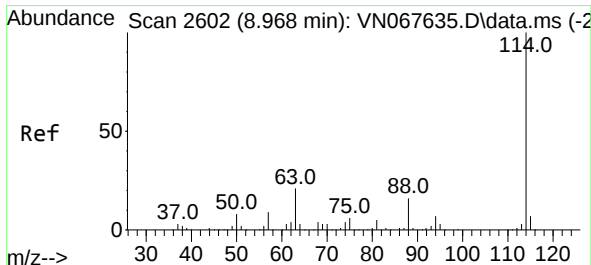
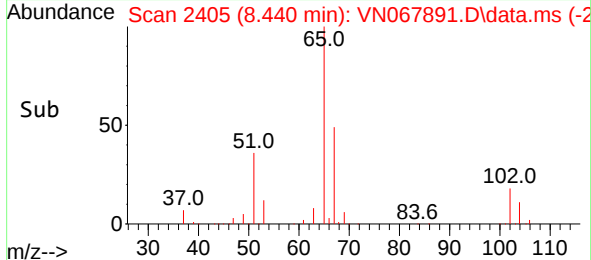
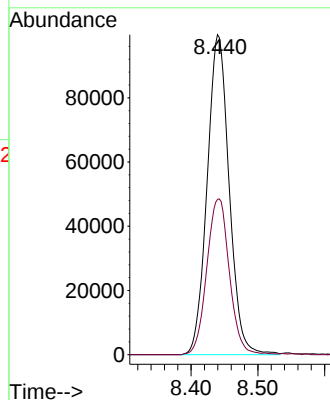
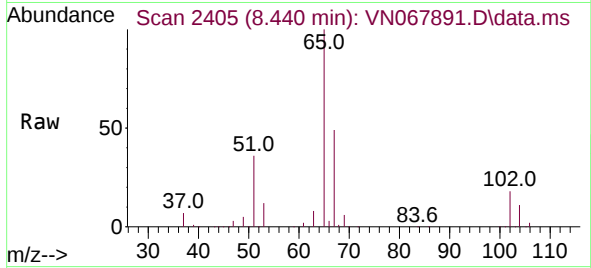




#33
 1,2-Dichloroethane-d4
 Concen: 53.715 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN067891.D
 Acq: 23 Jul 2021 19:45

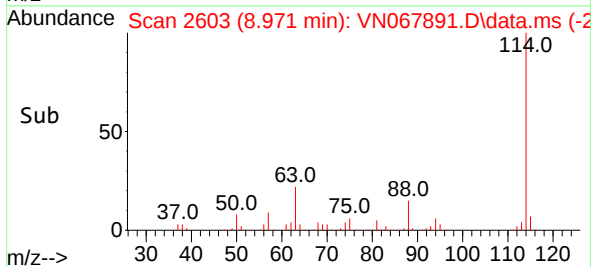
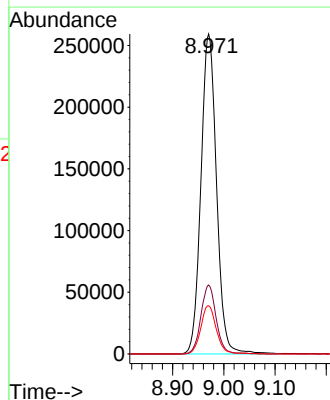
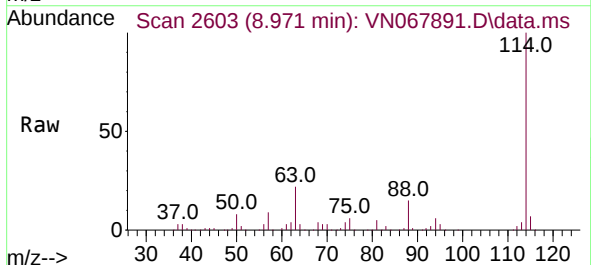
Instrument :
 MSVOA_N
 ClientSampled :

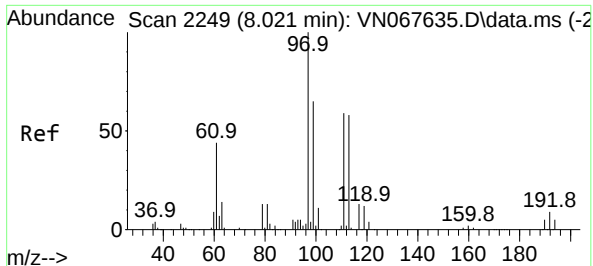
Tgt Ion: 65 Resp: 228184
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN067891.D
 Acq: 23 Jul 2021 19:45

Tgt Ion: 114 Resp: 548993
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 49.0
 88 15.0 0.0 36.6





#35

Dibromofluoromethane

Concen: 50.661 ug/l

RT: 8.024 min Scan# 2250

Delta R.T. 0.003 min

Lab File: VN067891.D

Acq: 23 Jul 2021 19:45

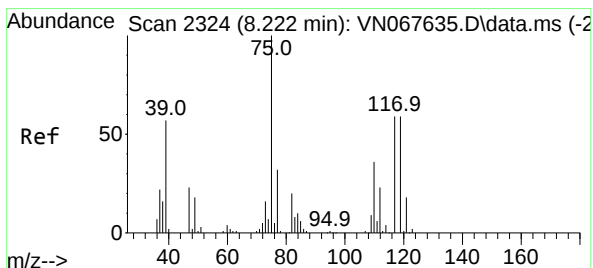
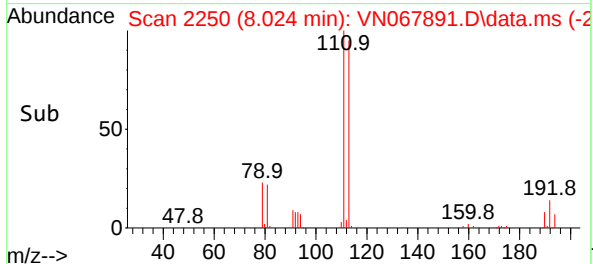
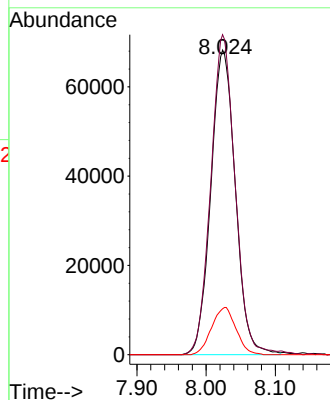
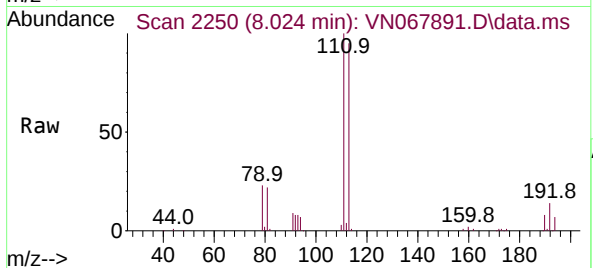
Tgt Ion:113 Resp: 168036

Ion Ratio Lower Upper

113 100

111 103.6 83.8 125.8

192 15.4 13.4 20.0



#36

1,1-Dichloropropene

Concen: 5.124 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. -0.134 min

Lab File: VN067891.D

Acq: 23 Jul 2021 19:45

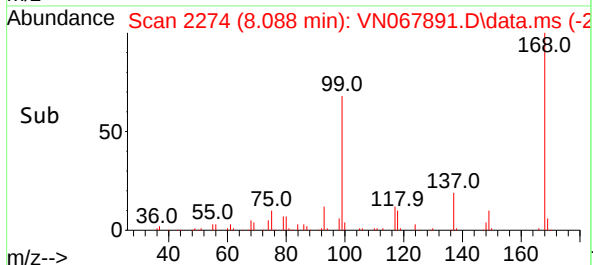
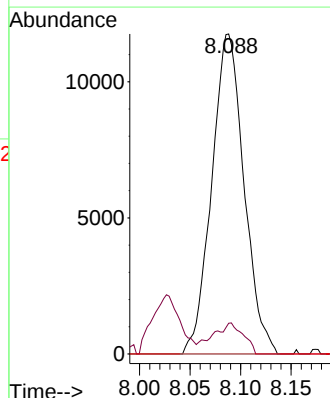
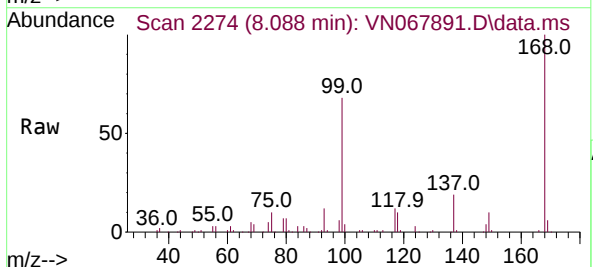
Tgt Ion: 75 Resp: 26130

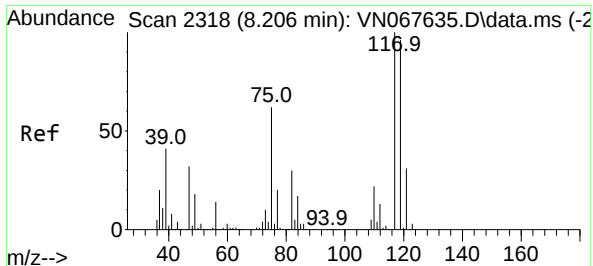
Ion Ratio Lower Upper

75 100

110 9.3 15.7 47.0#

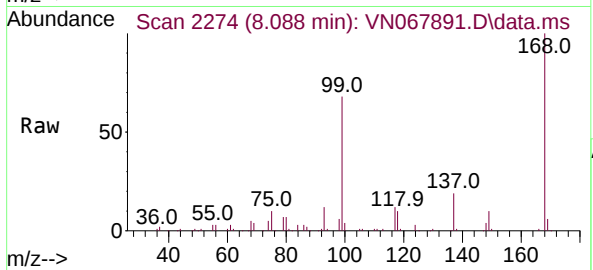
77 0.0 24.6 37.0#



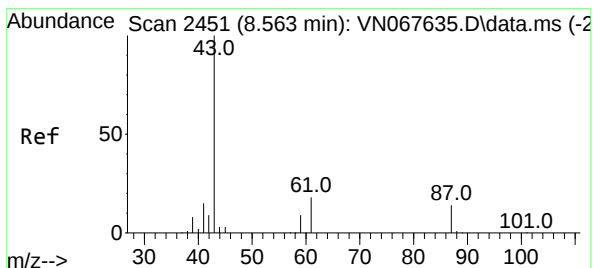
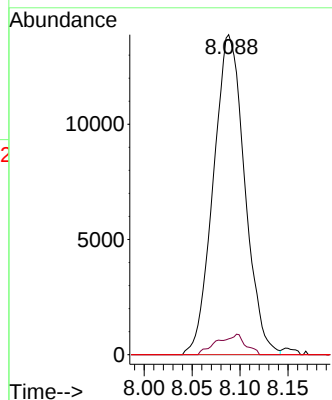
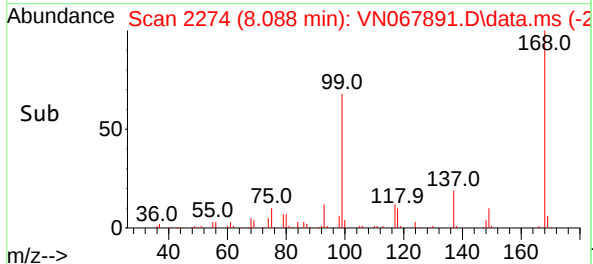


#38
Carbon Tetrachloride
Concen: 6.279 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN067891.D
Acq: 23 Jul 2021 19:45

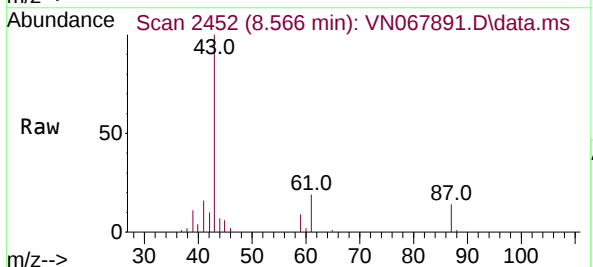
Instrument :
MSVOA_N
ClientSampled :



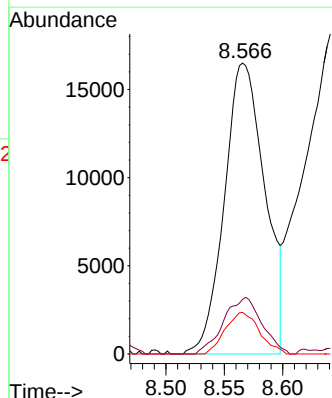
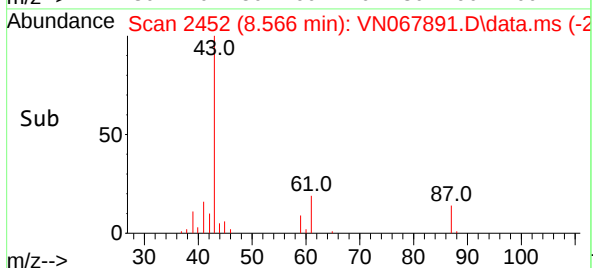
Tgt Ion:117 Resp: 31586
Ion Ratio Lower Upper
117 100
119 5.0 75.4 113.2#
121 0.0 23.5 35.3#

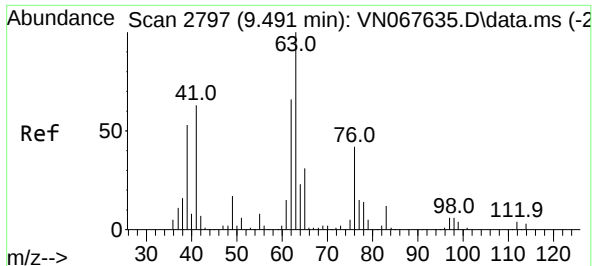


#43
Isopropyl Acetate
Concen: 4.583 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. 0.003 min
Lab File: VN067891.D
Acq: 23 Jul 2021 19:45



Tgt Ion: 43 Resp: 39836
Ion Ratio Lower Upper
43 100
61 18.4 19.0 28.4#
87 12.1 9.5 14.3



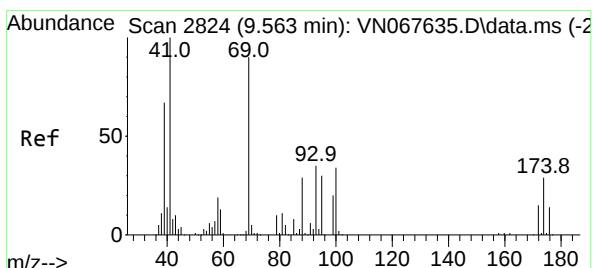
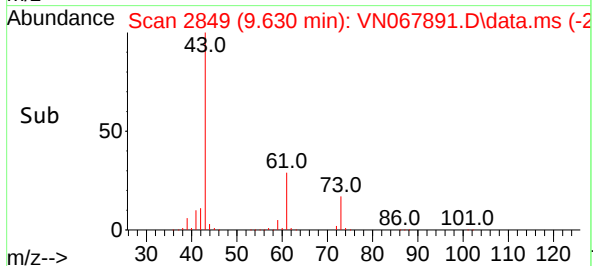
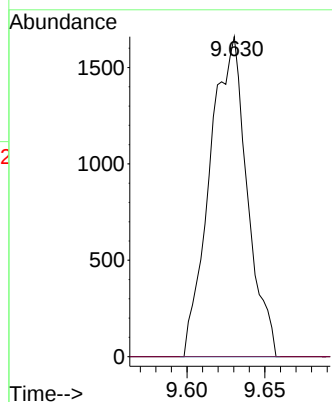
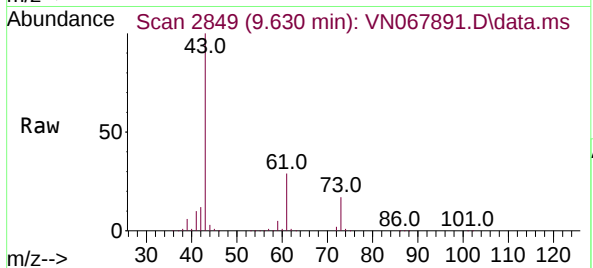


#45

1,2-Dichloropropane
Concen: 0.717 ug/l
RT: 9.630 min Scan# 2849
Delta R.T. 0.139 min
Lab File: VN067891.D
Acq: 23 Jul 2021 19:45

Instrument :
MSVOA_N
ClientSampled :

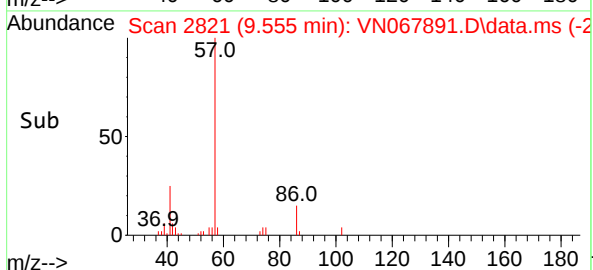
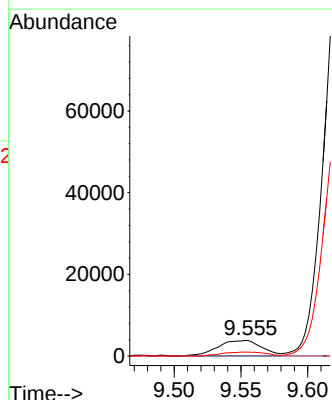
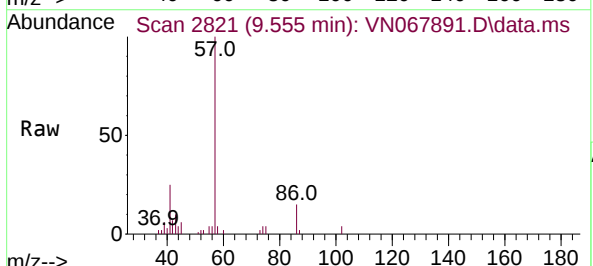
Tgt Ion: 63 Resp: 2771
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#

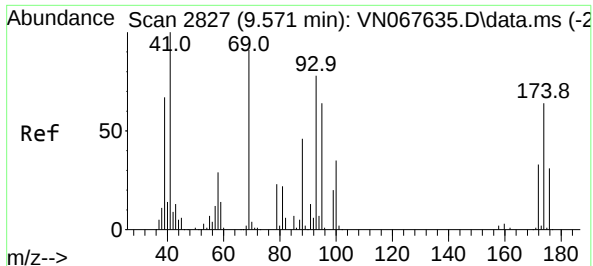


#48

Methyl methacrylate
Concen: 2.258 ug/l
RT: 9.555 min Scan# 2821
Delta R.T. -0.008 min
Lab File: VN067891.D
Acq: 23 Jul 2021 19:45

Tgt Ion: 41 Resp: 8680
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: 35.892 ug/l

RT: 9.625 min Scan# 2847

Delta R.T. 0.054 min

Lab File: VN067891.D

Acq: 23 Jul 2021 19:45

Tgt Ion: 88 Resp: 297

Ion Ratio Lower Upper

88 100

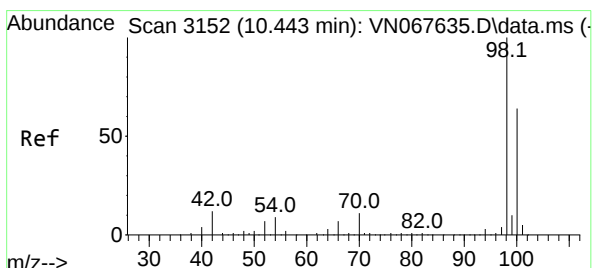
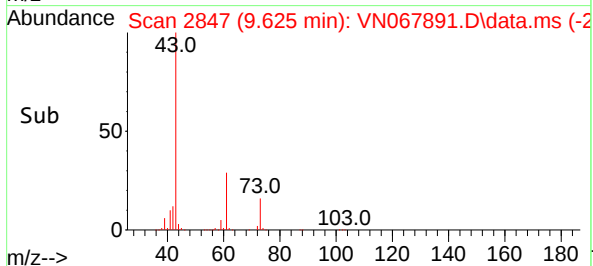
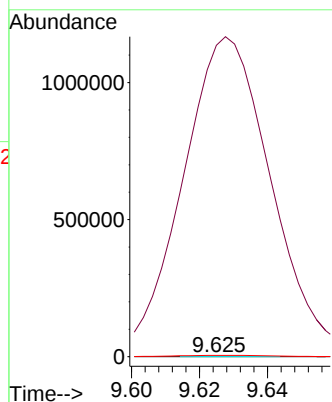
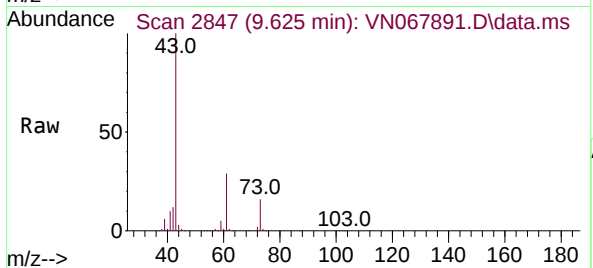
43 735338.0 28.8 43.2#

58 3468.4 60.4 90.6#

Instrument :

MSVOA_N

ClientSampled :



#50

Toluene-d8

Concen: 51.592 ug/l

RT: 10.446 min Scan# 3153

Delta R.T. 0.003 min

Lab File: VN067891.D

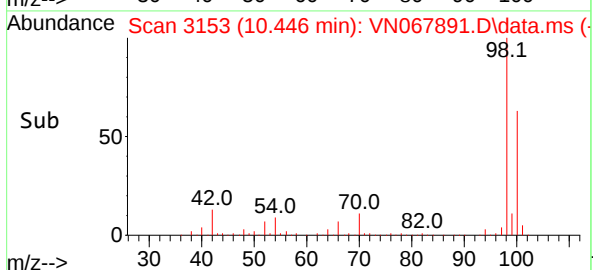
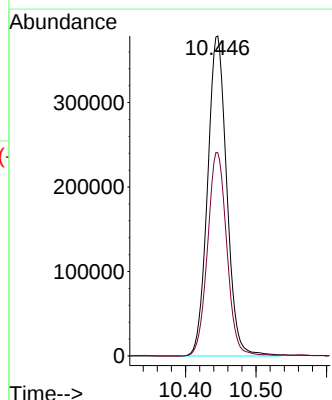
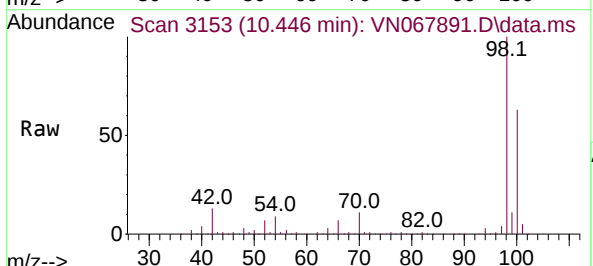
Acq: 23 Jul 2021 19:45

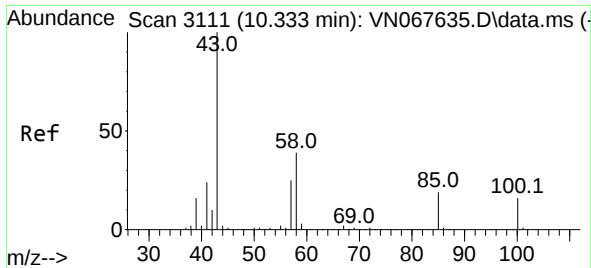
Tgt Ion: 98 Resp: 716280

Ion Ratio Lower Upper

98 100

100 63.6 51.7 77.5

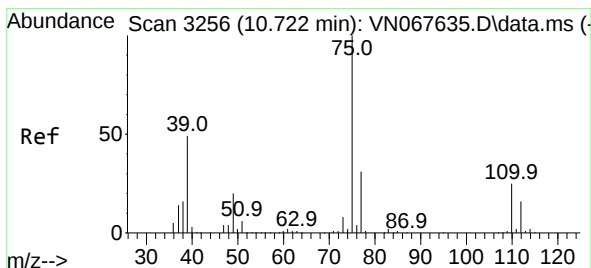
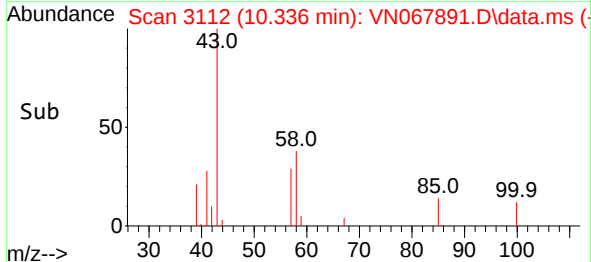
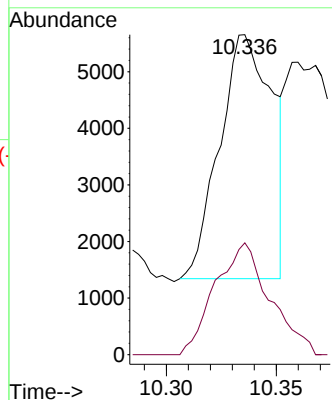
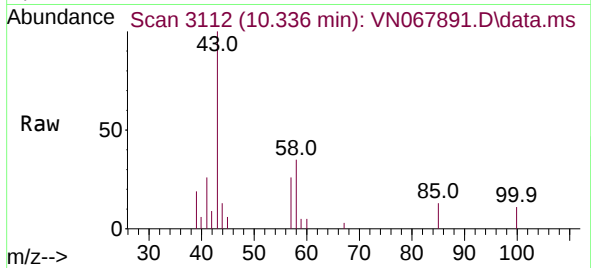




#51
4-Methyl-2-Pentanone
Concen: 1.344 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN067891.D
Acq: 23 Jul 2021 19:45

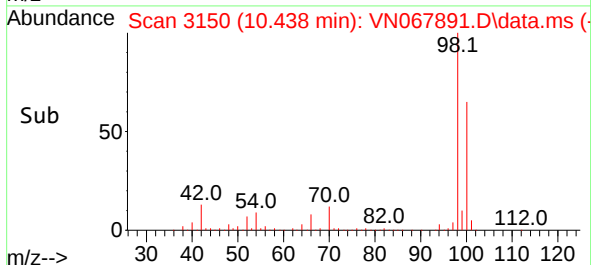
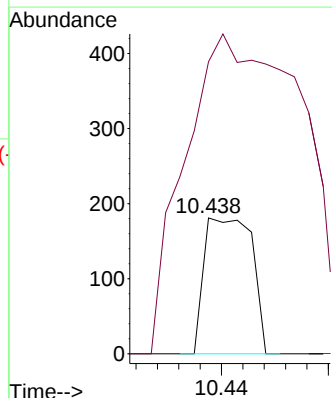
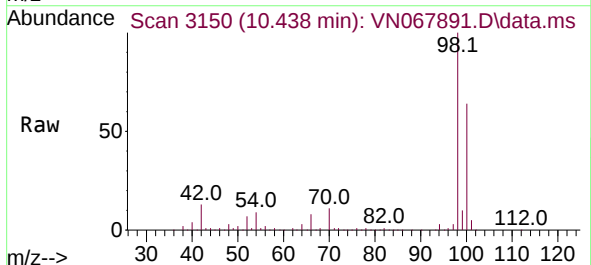
Instrument :
MSVOA_N
ClientSampled :

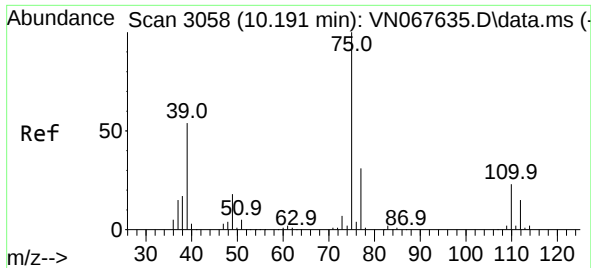
Tgt Ion: 43 Resp: 7178
Ion Ratio Lower Upper
43 100
58 47.6 28.6 43.0#



#53
t-1,3-Dichloropropene
Concen: 1.761 ug/l
RT: 10.438 min Scan# 3150
Delta R.T. -0.284 min
Lab File: VN067891.D
Acq: 23 Jul 2021 19:45

Tgt Ion: 75 Resp: 112
Ion Ratio Lower Upper
75 100
77 84.5 25.1 37.7#

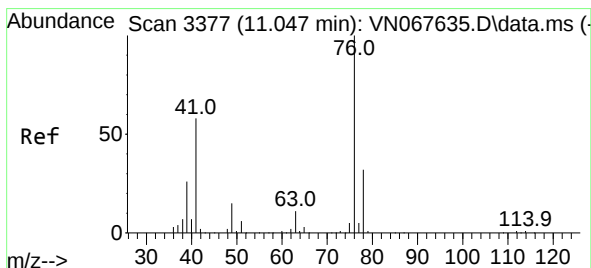
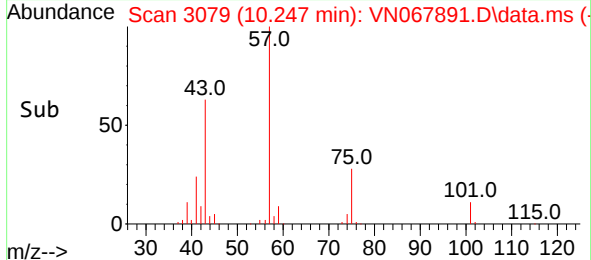
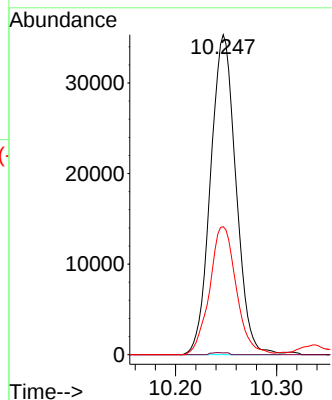
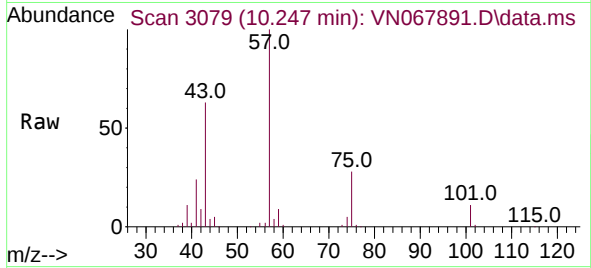




#54
 cis-1,3-Dichloropropene
 Concen: 10.339 ug/l
 RT: 10.247 min Scan# 3079
 Delta R.T. 0.056 min
 Lab File: VN067891.D
 Acq: 23 Jul 2021 19:45

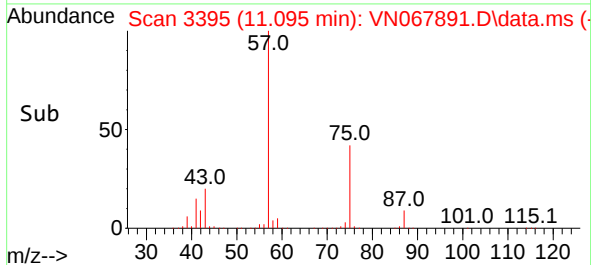
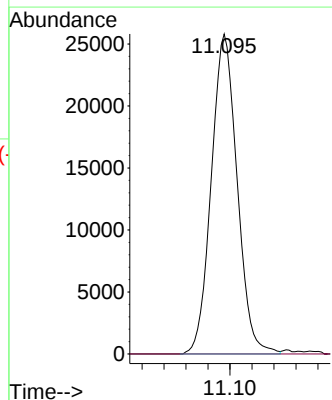
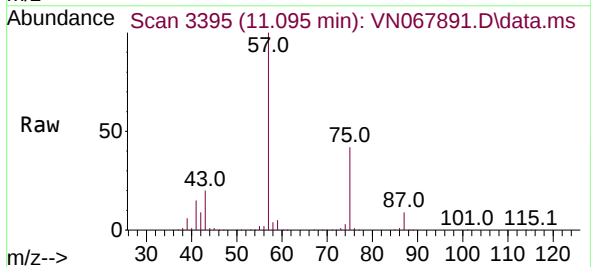
Instrument :
 MSVOA_N
 ClientSampled :

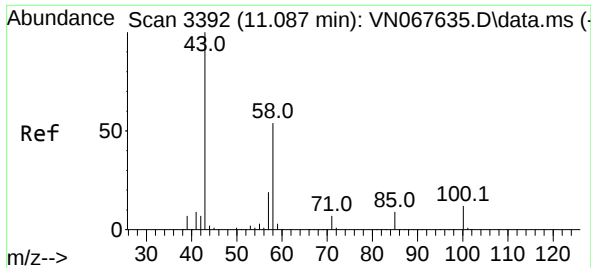
Tgt Ion: 75 Resp: 61639
 Ion Ratio Lower Upper
 75 100
 77 0.5 24.6 37.0#
 39 40.0 50.7 76.1#



#57
 1,3-Dichloropropane
 Concen: 6.418 ug/l
 RT: 11.095 min Scan# 3395
 Delta R.T. 0.048 min
 Lab File: VN067891.D
 Acq: 23 Jul 2021 19:45

Tgt Ion: 76 Resp: 42171
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.7 38.5#

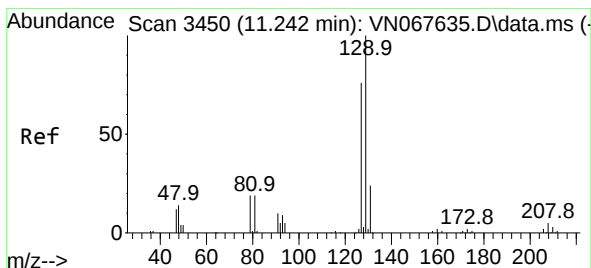
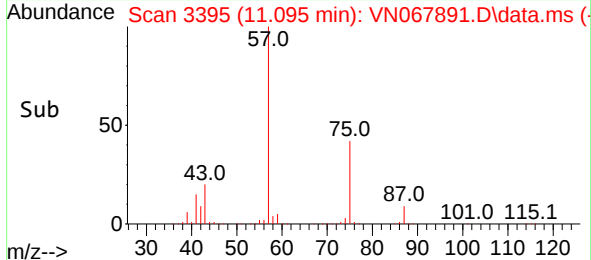
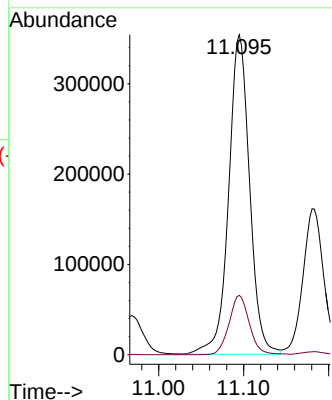
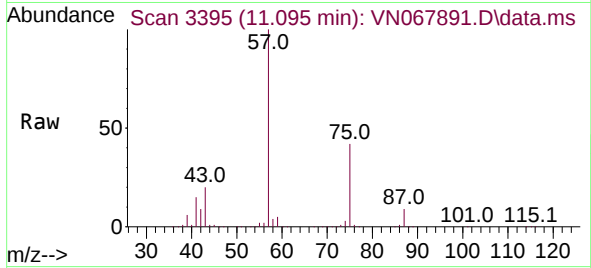




#59
2-Hexanone
Concen: 162.739 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN067891.D
Acq: 23 Jul 2021 19:45

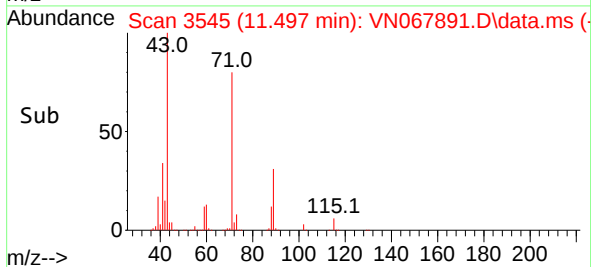
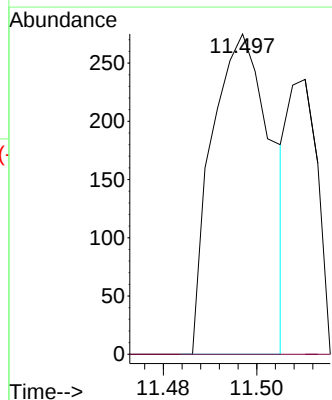
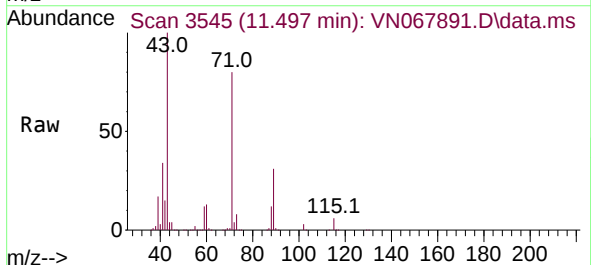
Instrument :
MSVOA_N
ClientSampled :

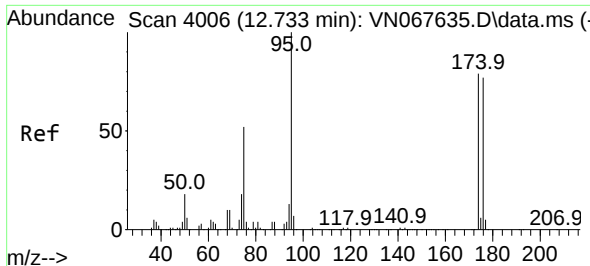
Tgt Ion: 43 Resp: 606558
Ion Ratio Lower Upper
43 100
58 18.0 24.7 74.1#



#60
Dibromochloromethane
Concen: 2.406 ug/l
RT: 11.497 min Scan# 3545
Delta R.T. 0.255 min
Lab File: VN067891.D
Acq: 23 Jul 2021 19:45

Tgt Ion: 129 Resp: 242
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#

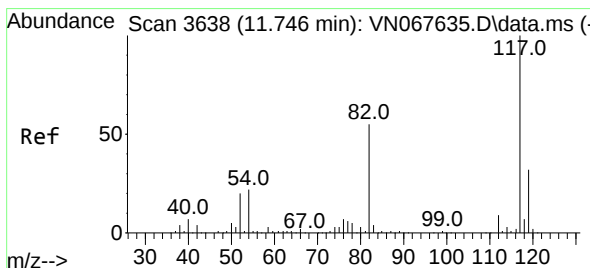
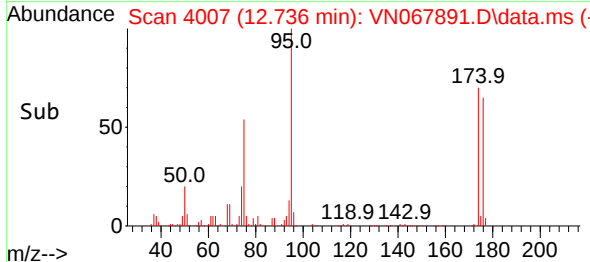
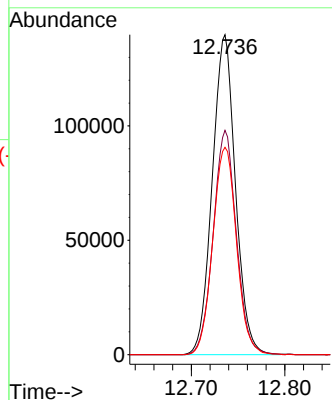
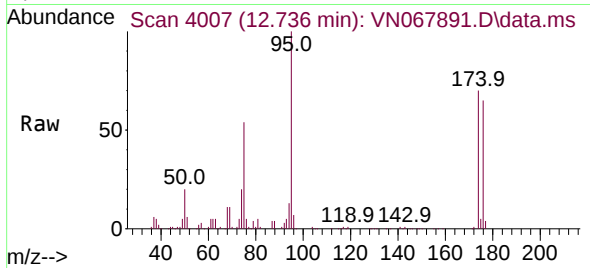




#62
4-Bromofluorobenzene
Concen: 49.231 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.003 min
Lab File: VN067891.D
Acq: 23 Jul 2021 19:45

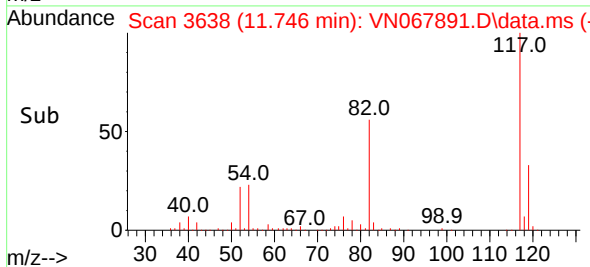
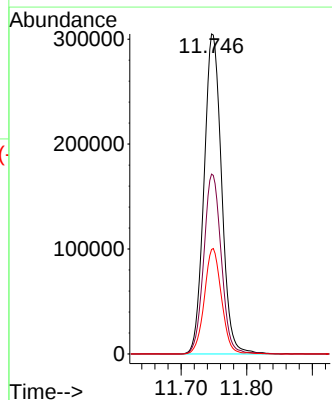
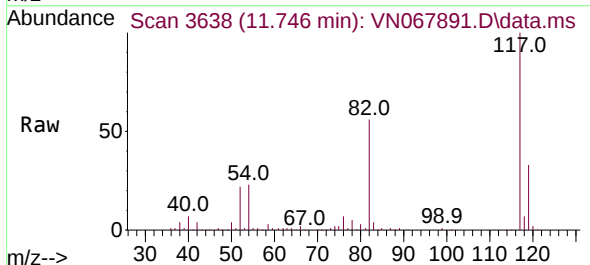
Instrument :
MSVOA_N
ClientSampled :

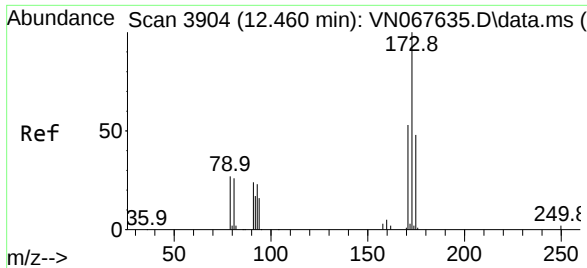
Tgt Ion: 95 Resp: 241451
Ion Ratio Lower Upper
95 100
174 70.1 0.0 122.0
176 66.6 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN067891.D
Acq: 23 Jul 2021 19:45

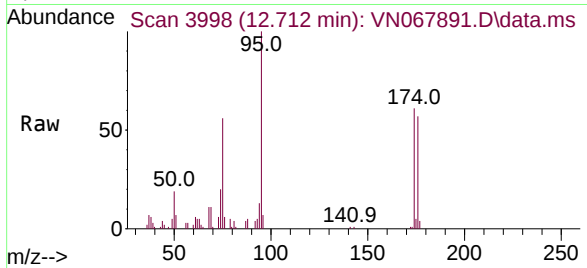
Tgt Ion: 117 Resp: 565563
Ion Ratio Lower Upper
117 100
82 56.2 53.1 79.7
119 32.7 25.5 38.3



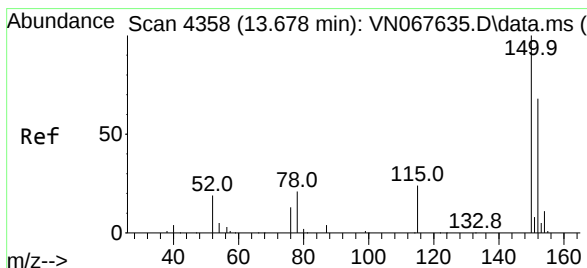
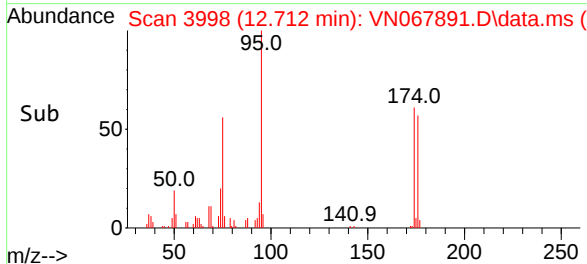
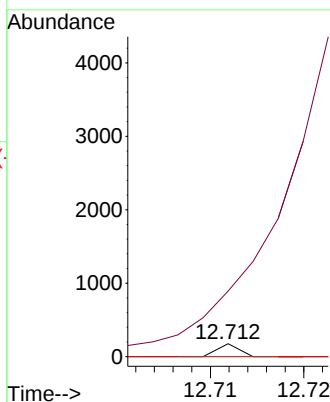


#71
Bromoform
Concen: 3.183 ug/l
RT: 12.712 min Scan# 3998
Delta R.T. 0.252 min
Lab File: VN067891.D
Acq: 23 Jul 2021 19:45

Instrument :
MSVOA_N
ClientSampleId :

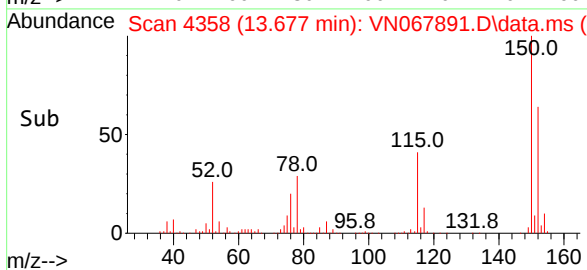
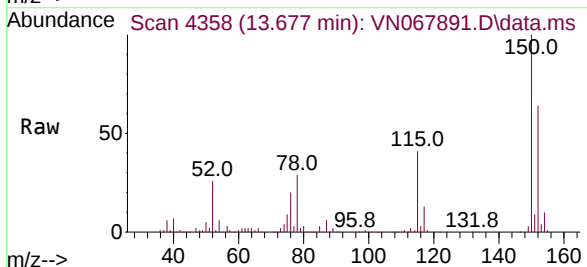
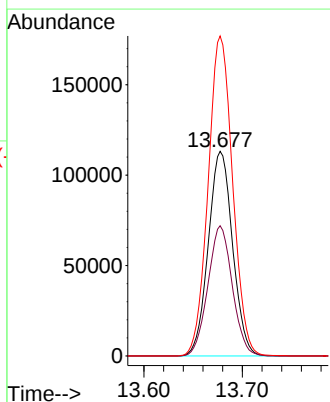


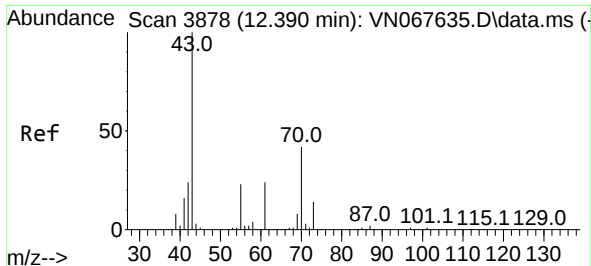
Tgt Ion:173 Resp: 28
Ion Ratio Lower Upper
173 100
175 0.0 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. -0.000 min
Lab File: VN067891.D
Acq: 23 Jul 2021 19:45

Tgt Ion:152 Resp: 194681
Ion Ratio Lower Upper
152 100
115 63.6 36.1 108.5
150 157.5 0.0 351.8

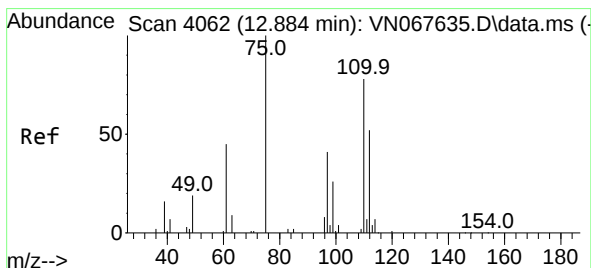
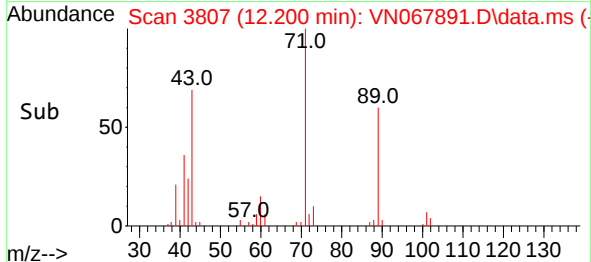
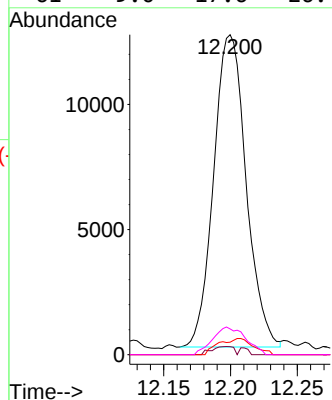
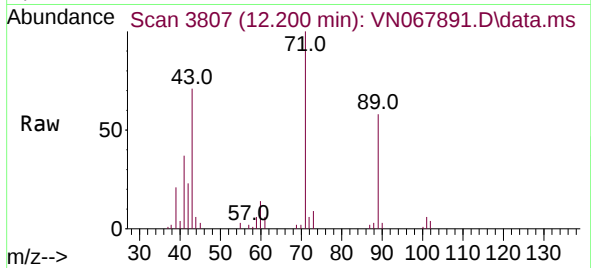




#74
N-amy1 acetate
Concen: 3.711 ug/l
RT: 12.200 min Scan# 3807
Delta R.T. -0.190 min
Lab File: VN067891.D
Acq: 23 Jul 2021 19:45

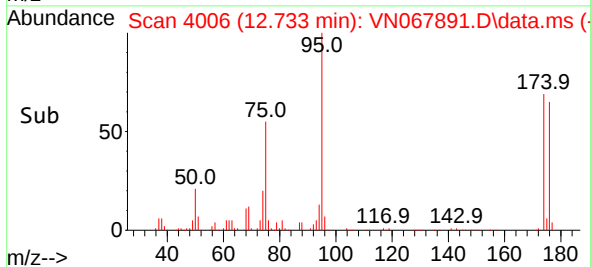
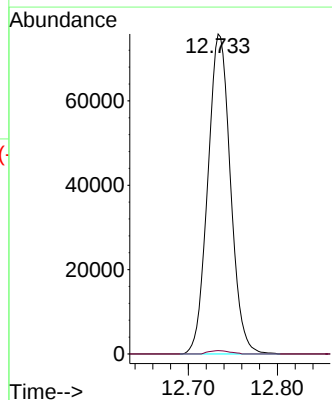
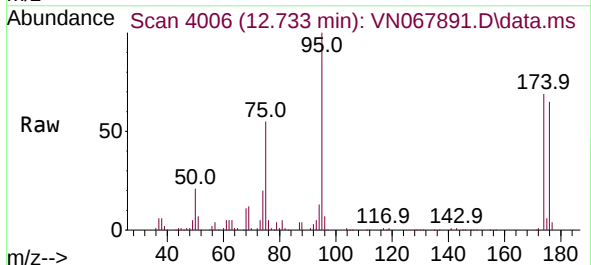
Instrument :
MSVOA_N
ClientSampleId :

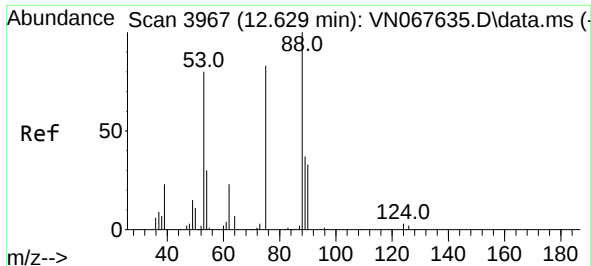
Tgt Ion: 43	Resp: 21146
Ion Ratio	Lower Upper
43 100	
70 1.8	29.4 44.2#
55 0.0	17.0 25.4#
61 9.0	17.6 26.4#



#76
1,2,3-Trichloropropane
Concen: 33.695 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN067891.D
Acq: 23 Jul 2021 19:45

Tgt Ion: 75	Resp: 133964
Ion Ratio	Lower Upper
75 100	
77 1.0	0.0 0.0#

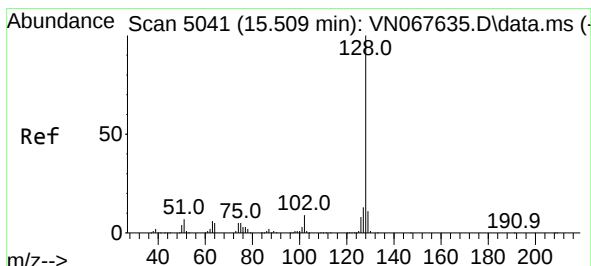
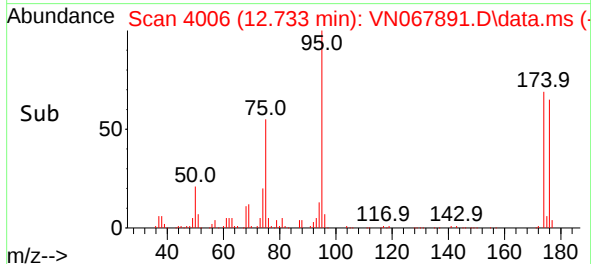
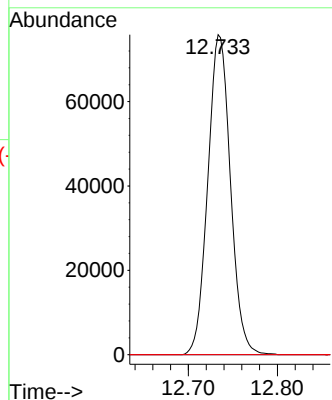
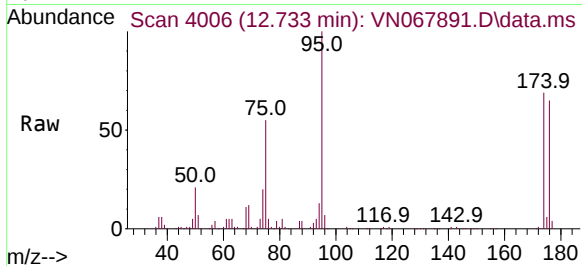




#81
trans-1,4-Dichloro-2-butene
Concen: 108.637 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN067891.D
Acq: 23 Jul 2021 19:45

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 75 Resp: 133964
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#95
Naphthalene
Concen: 3.024 ug/l
RT: 15.515 min Scan# 5043
Delta R.T. 0.006 min
Lab File: VN067891.D
Acq: 23 Jul 2021 19:45

Tgt Ion:128 Resp: 120
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#

