

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080921\
 Data File : VN067043.D
 Acq On : 9 Aug 2021 17:09
 Operator : JC/MD
 Sample : PB138255ZHE#11
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 10 03:52:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072921W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 29 15:02:35 2021
 Response via : Initial Calibration

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

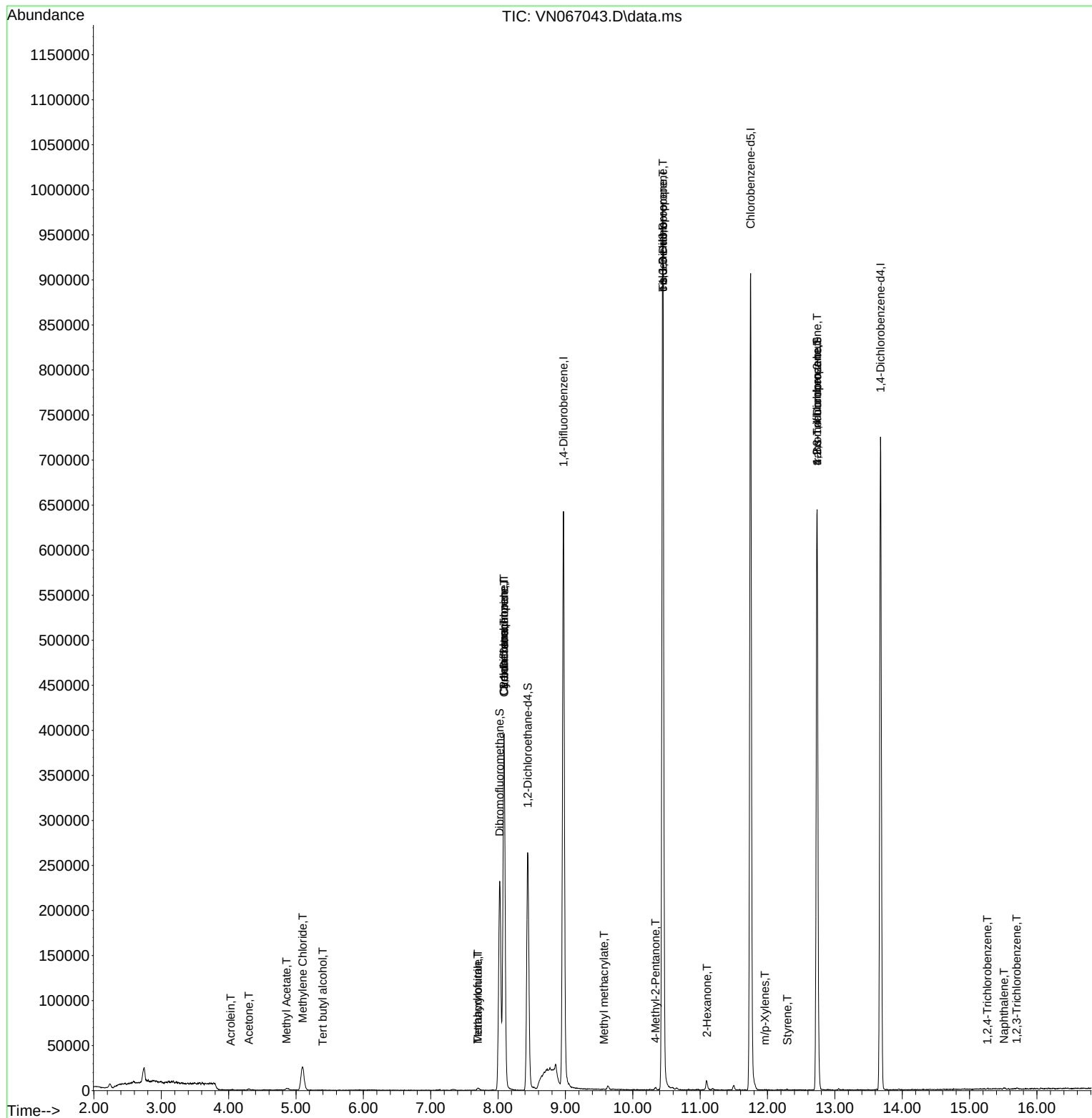
Internal Standards						
1) Pentafluorobenzene	8.088	168	286344	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	559124	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	534525	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	190102	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	222814	54.966	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 109.940%	
35) Dibromofluoromethane	8.024	113	172265	52.867	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 105.740%	
50) Toluene-d8	10.446	98	699026	46.755	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 93.520%	
62) 4-Bromofluorobenzene	12.736	95	232768	43.055	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 86.120%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.396	59	177	0.326	ug/l	# 71
13) Acrolein	4.030	56	95	0.258	ug/l	# 15
16) Acetone	4.299	43	877	0.593	ug/l	# 78
18) Methyl Acetate	4.856	43	1484	0.316	ug/l	# 66
20) Methylene Chloride	5.100	84	21639	6.086	ug/l	# 79
29) Tetrahydrofuran	7.697	42	1234	0.898	ug/l	# 95
31) Cyclohexane	8.086	56	7588	1.269	ug/l	# 24
36) 1,1-Dichloropropene	8.088	75	26037	5.034	ug/l	# 52
38) Carbon Tetrachloride	8.091	117	31700	6.233	ug/l	# 18
41) Methacrylonitrile	7.699	41	625	0.270	ug/l	# 47
48) Methyl methacrylate	9.574	41	26	2.311	ug/l	# 12
51) 4-Methyl-2-Pentanone	10.338	43	2838	13.023	ug/l	# 65
53) t-1,3-Dichloropropene	10.446	75	142	2.853	ug/l	# 1
54) cis-1,3-Dichloropropene	10.446	75	142	2.375	ug/l	# 51
59) 2-Hexanone	11.100	43	3839	14.151	ug/l	# 63
68) m/p-Xylenes	11.961	106	81	4.071	ug/l	# 66
70) Styrene	12.296	104	106	2.639	ug/l	# 22
76) 1,2,3-Trichloropropane	12.736	75	125829	32.958	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.736	75	125829	88.459	ug/l	# 6
93) 1,2,4-Trichlorobenzene	15.265	180	377	2.596	ug/l	# 47
95) Naphthalene	15.512	128	1797	3.333	ug/l	# 74
96) 1,2,3-Trichlorobenzene	15.700	180	295	2.474	ug/l	# 75

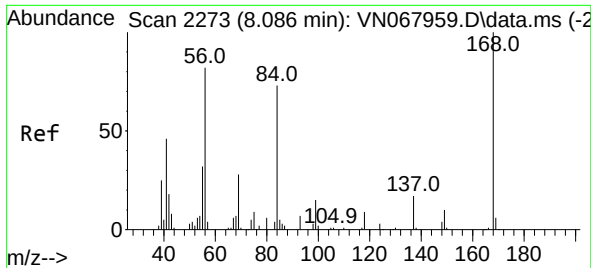
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 10 03:52:23 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072921W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 29 15:02:35 2021
Response via : Initial Calibration

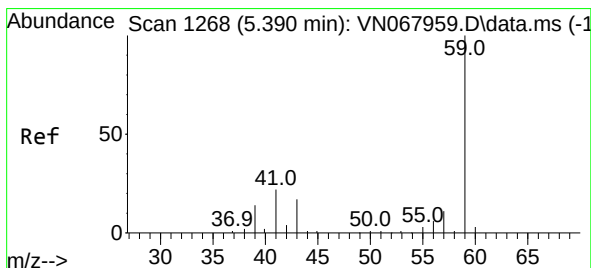
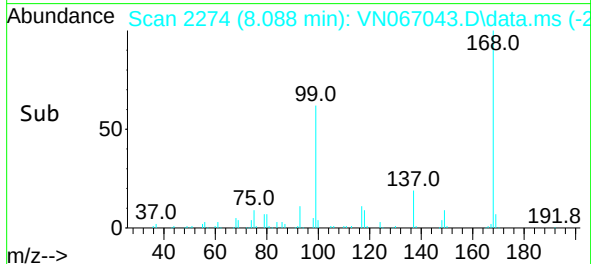
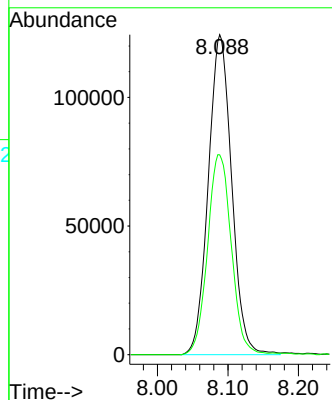
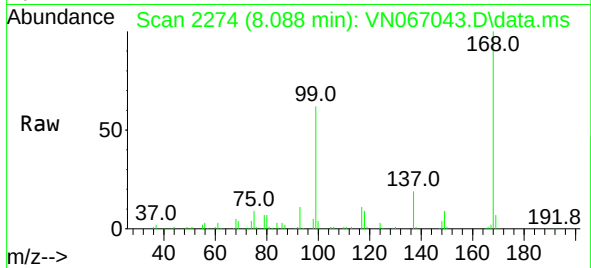




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN067043.D
Acq: 9 Aug 2021 17:09

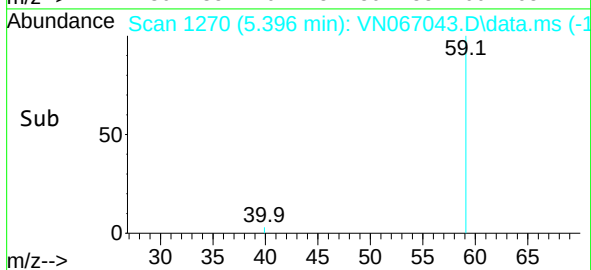
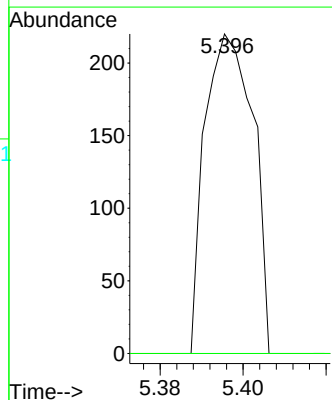
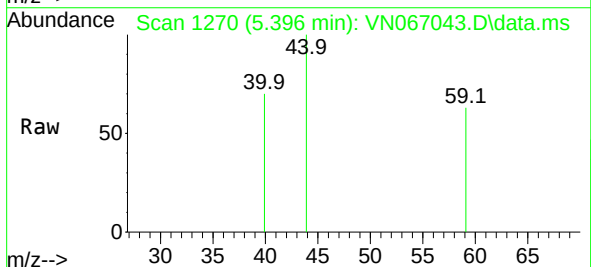
Instrument :
MSVOA_N
ClientSampleId :

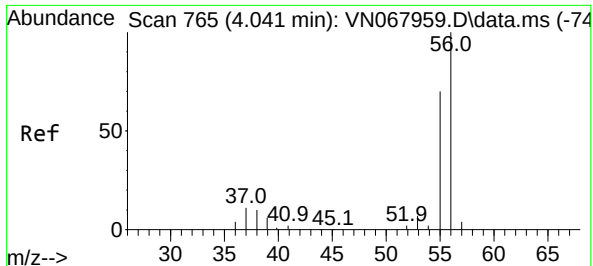
Tgt Ion:168 Resp: 286344
Ion Ratio Lower Upper
168 100
99 62.5 62.9 94.3#



#11
Tert butyl alcohol
Concen: 0.326 ug/l
RT: 5.396 min Scan# 1270
Delta R.T. 0.006 min
Lab File: VN067043.D
Acq: 9 Aug 2021 17:09

Tgt Ion: 59 Resp: 177
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

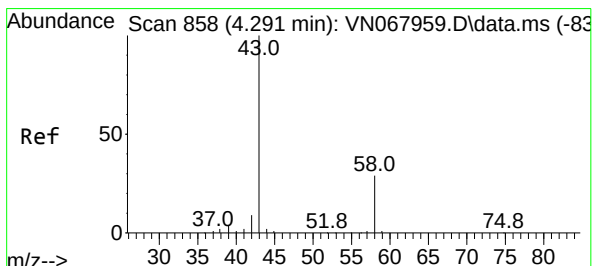
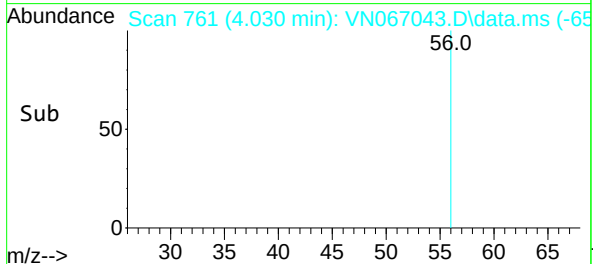
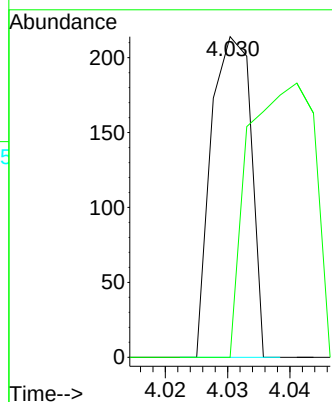
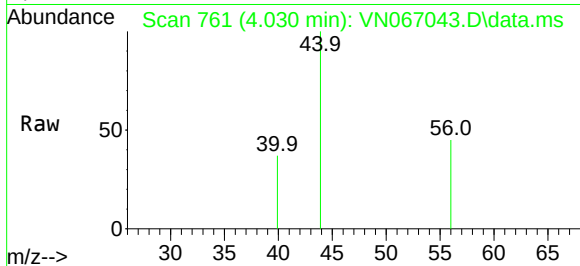




#13
Acrolein
Concen: 0.258 ug/l
RT: 4.030 min Scan# 761
Delta R.T. -0.011 min
Lab File: VN067043.D
Acq: 9 Aug 2021 17:09

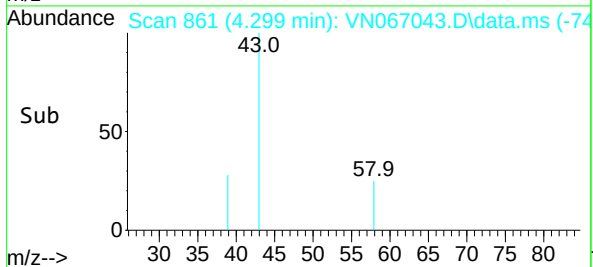
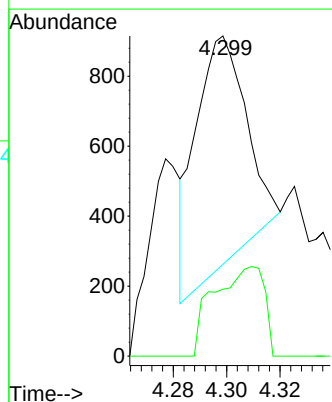
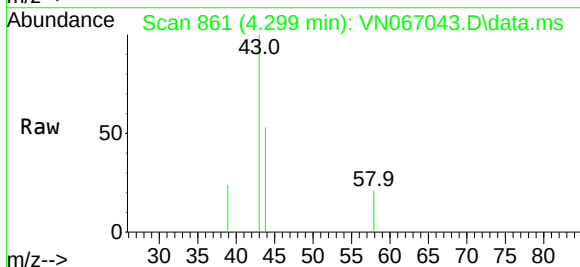
Instrument :
MSVOA_N
ClientSampled :

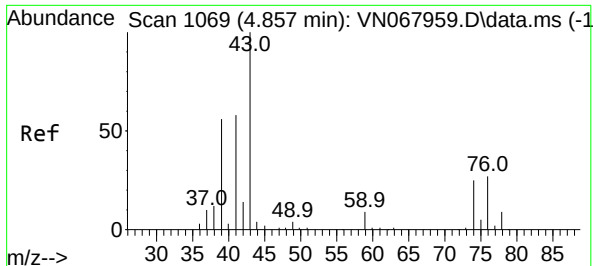
Tgt Ion: 56 Resp: 95
Ion Ratio Lower Upper
56 100
55 142.1 57.4 86.0#



#16
Acetone
Concen: 0.593 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.008 min
Lab File: VN067043.D
Acq: 9 Aug 2021 17:09

Tgt Ion: 43 Resp: 877
Ion Ratio Lower Upper
43 100
58 38.0 21.2 31.8#

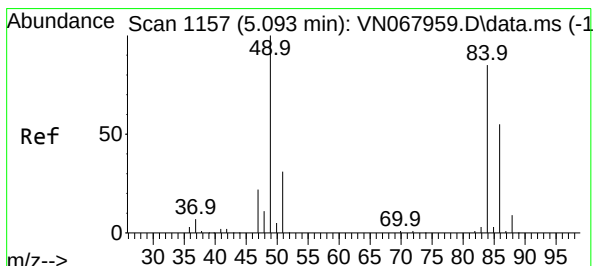
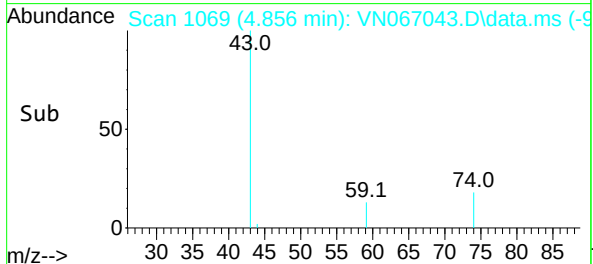
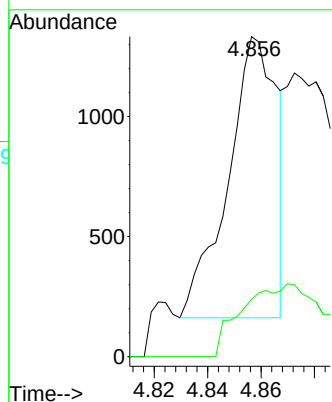
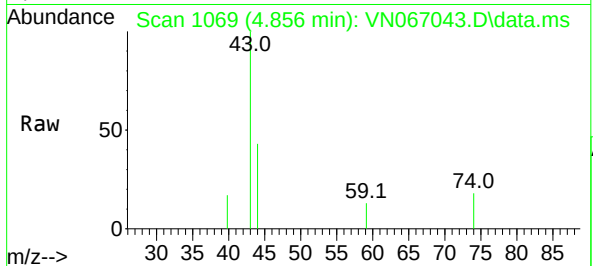




#18
Methyl Acetate
Concen: 0.316 ug/l
RT: 4.856 min Scan# 1069
Delta R.T. -0.001 min
Lab File: VN067043.D
Acq: 9 Aug 2021 17:09

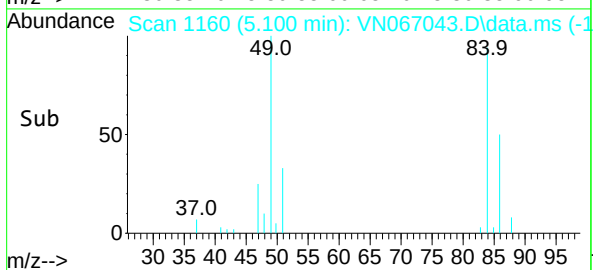
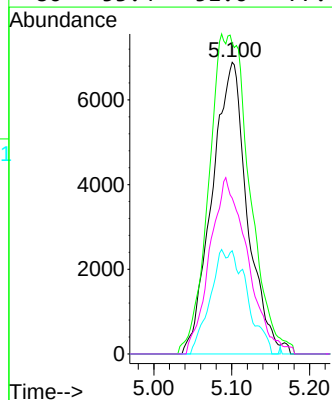
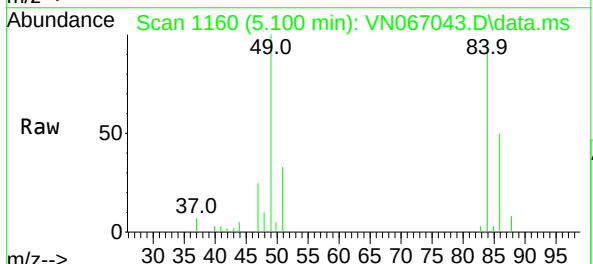
Instrument :
MSVOA_N
ClientSampled :

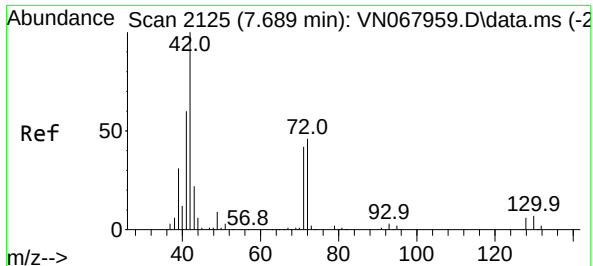
Tgt Ion: 43 Resp: 1484
Ion Ratio Lower Upper
43 100
74 38.0 17.4 26.0#



#20
Methylene Chloride
Concen: 6.086 ug/l
RT: 5.100 min Scan# 1160
Delta R.T. 0.007 min
Lab File: VN067043.D
Acq: 9 Aug 2021 17:09

Tgt Ion: 84 Resp: 21639
Ion Ratio Lower Upper
84 100
49 103.9 110.9 166.3#
51 35.4 32.6 49.0
86 53.4 51.6 77.4





#29

Tetrahydrofuran

Concen: 0.898 ug/l

RT: 7.697 min Scan# 2128

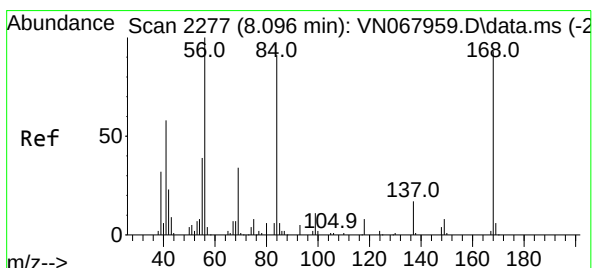
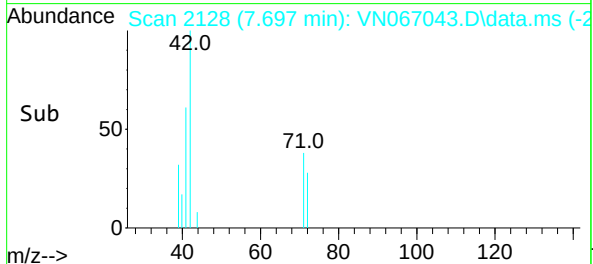
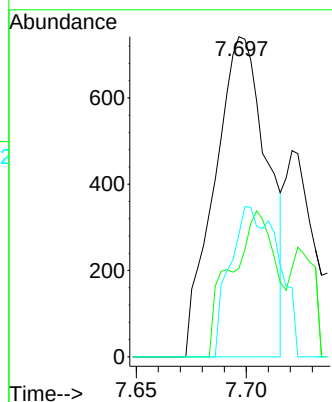
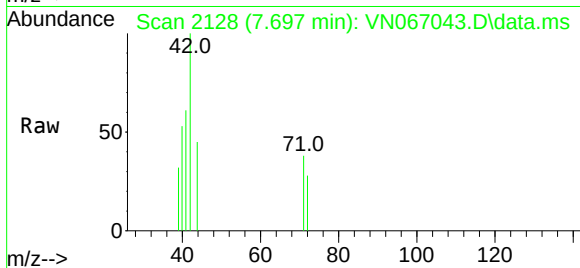
Delta R.T. 0.008 min

Lab File: VN067043.D

Acq: 9 Aug 2021 17:09

Tgt Ion: 42 Resp: 1234

Ion	Ratio	Lower	Upper
42	100		
72	39.4	32.8	49.2
71	43.2	31.2	46.8



#31

Cyclohexane

Concen: 1.269 ug/l

RT: 8.086 min Scan# 2273

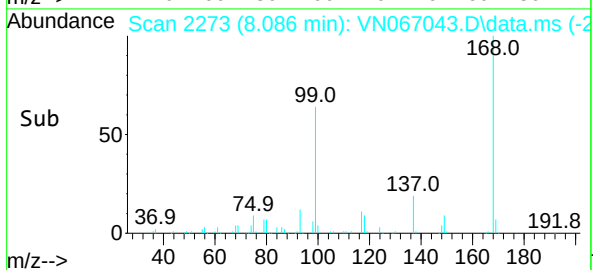
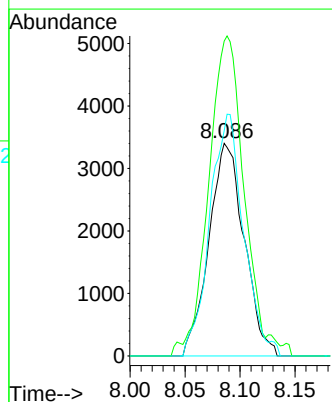
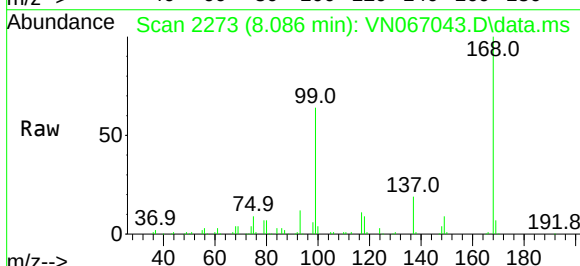
Delta R.T. -0.010 min

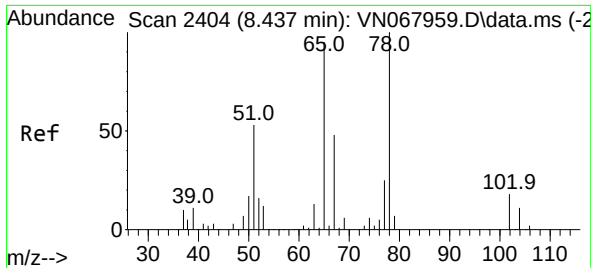
Lab File: VN067043.D

Acq: 9 Aug 2021 17:09

Tgt Ion: 56 Resp: 7588

Ion	Ratio	Lower	Upper
56	100		
69	143.3	27.3	40.9#
84	106.0	64.9	97.3#

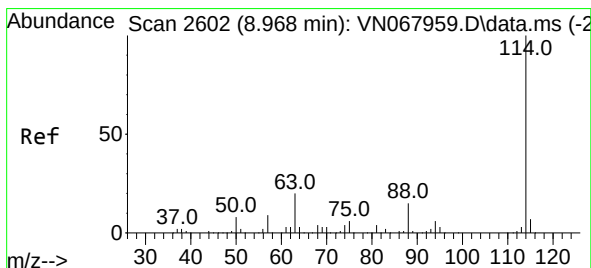
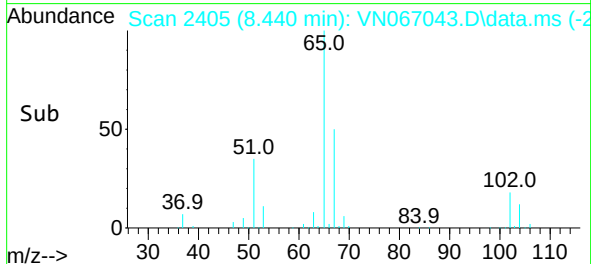
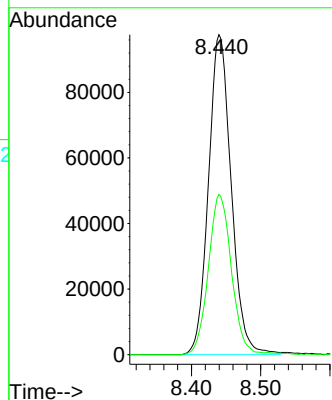
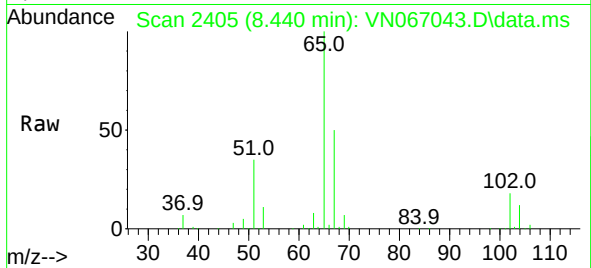




#33
 1,2-Dichloroethane-d4
 Concen: 54.966 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. 0.003 min
 Lab File: VN067043.D
 Acq: 9 Aug 2021 17:09

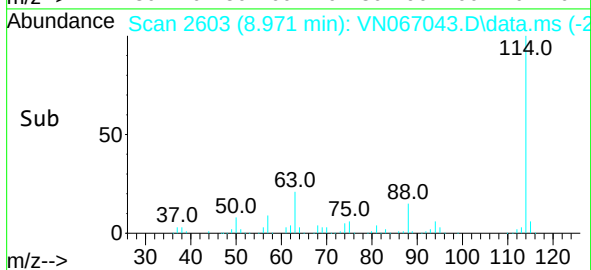
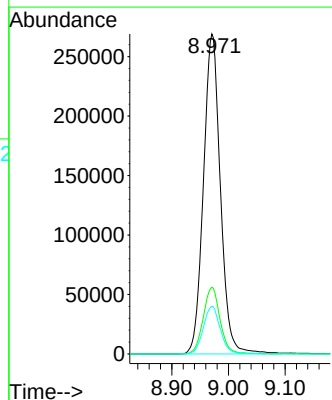
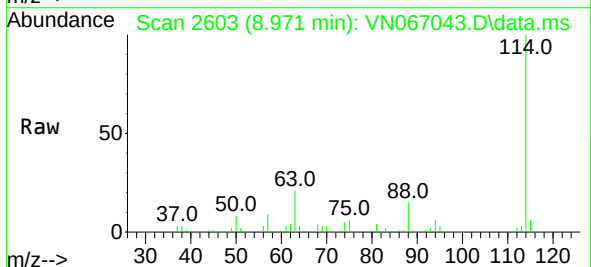
Instrument :
 MSVOA_N
 ClientSampled :

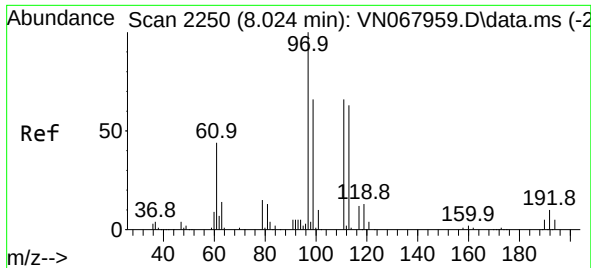
Tgt Ion: 65 Resp: 222814
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN067043.D
 Acq: 9 Aug 2021 17:09

Tgt Ion: 114 Resp: 559124
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 49.0
 88 14.9 0.0 36.6

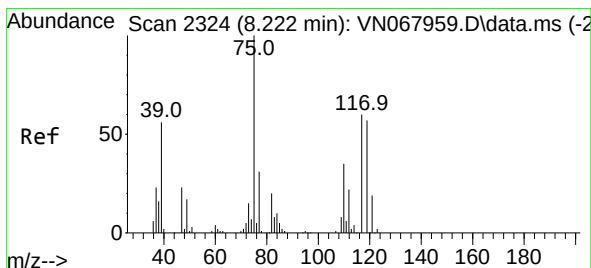
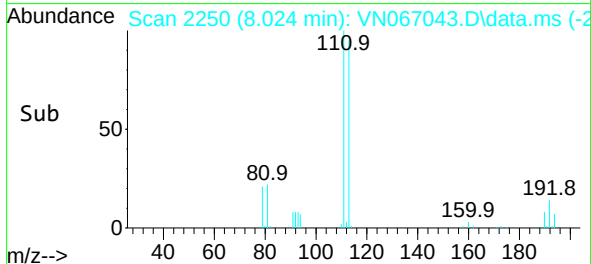
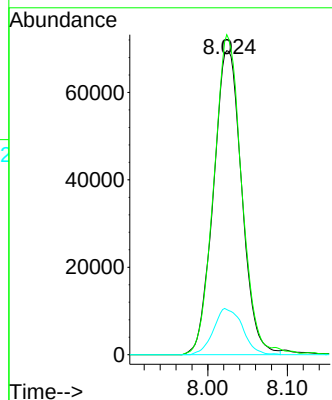
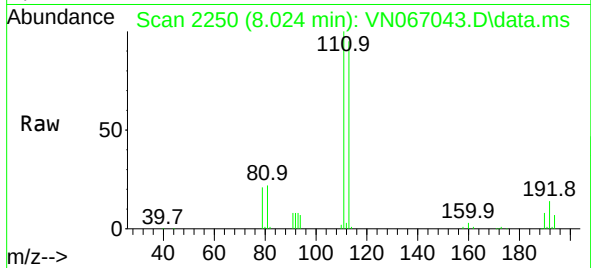




#35
Dibromofluoromethane
Concen: 52.867 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN067043.D
Acq: 9 Aug 2021 17:09

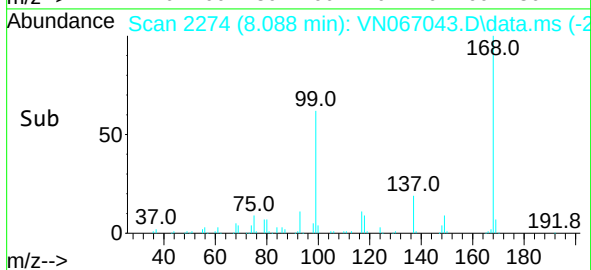
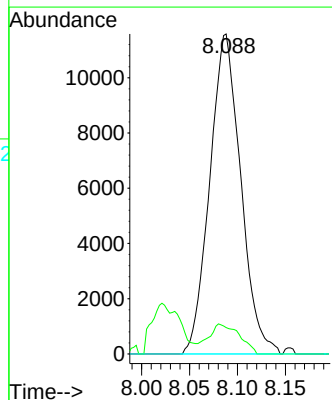
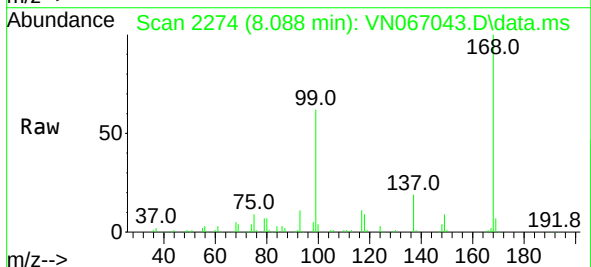
Instrument :
MSVOA_N
ClientSampleId :

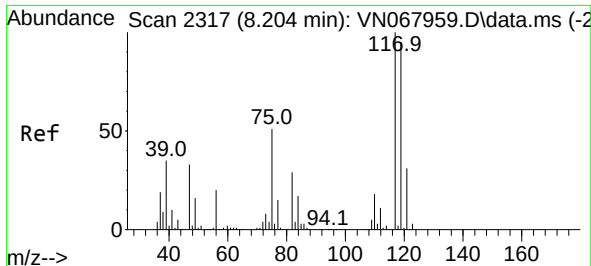
Tgt Ion:113 Resp: 172265
Ion Ratio Lower Upper
113 100
111 102.2 83.8 125.8
192 15.5 13.4 20.0



#36
1,1-Dichloropropene
Concen: 5.034 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN067043.D
Acq: 9 Aug 2021 17:09

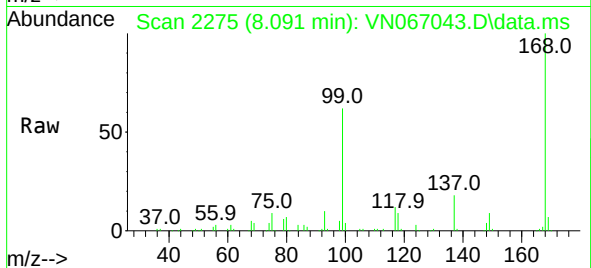
Tgt Ion: 75 Resp: 26037
Ion Ratio Lower Upper
75 100
110 9.3 15.7 47.0#
77 0.0 24.6 37.0#



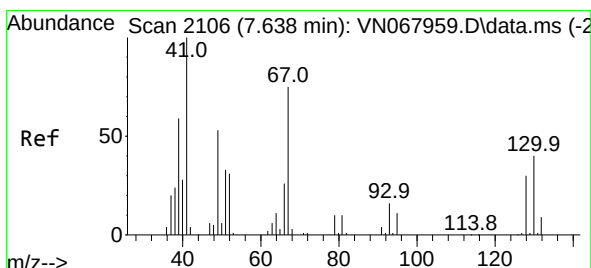
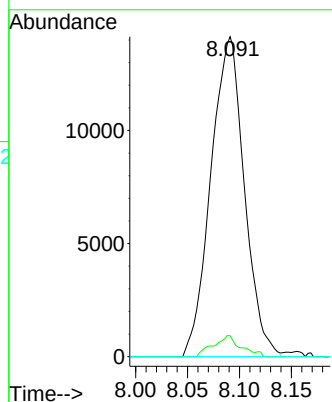
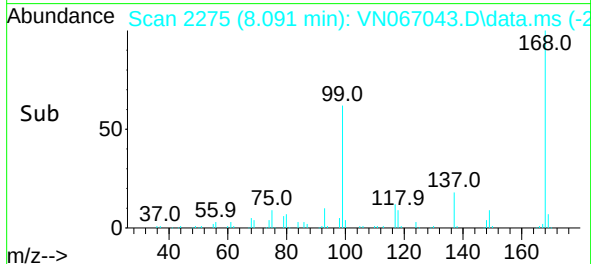


#38
Carbon Tetrachloride
Concen: 6.233 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.113 min
Lab File: VN067043.D
Acq: 9 Aug 2021 17:09

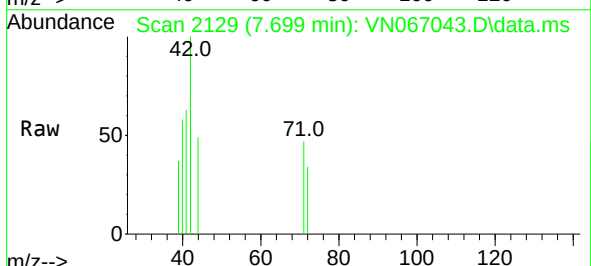
Instrument :
MSVOA_N
ClientSampled :



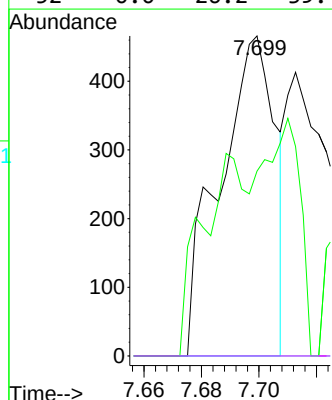
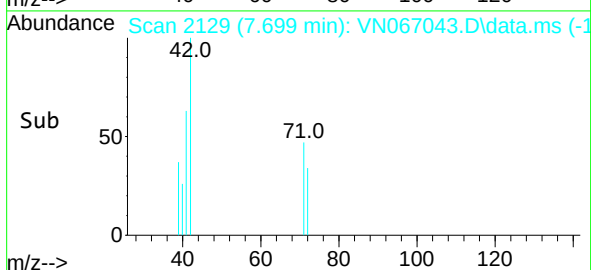
Tgt Ion:117 Resp: 31700
Ion Ratio Lower Upper
117 100
119 6.6 75.4 113.2#
121 0.0 23.5 35.3#

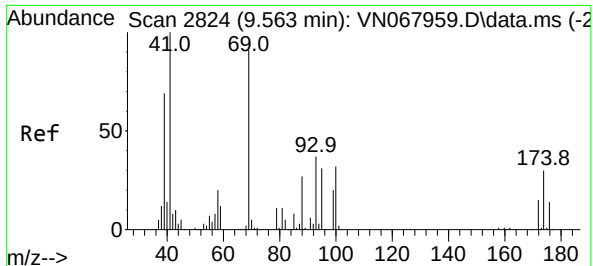


#41
Methacrylonitrile
Concen: 0.270 ug/l
RT: 7.699 min Scan# 2129
Delta R.T. 0.061 min
Lab File: VN067043.D
Acq: 9 Aug 2021 17:09



Tgt Ion: 41 Resp: 625
Ion Ratio Lower Upper
41 100
39 51.7 47.6 71.4
67 0.0 57.7 86.5#
52 0.0 26.2 39.4#

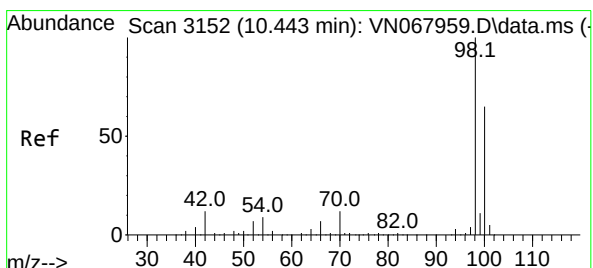
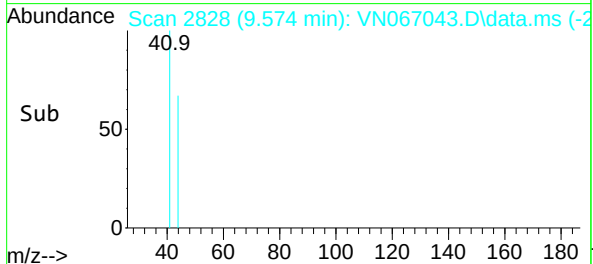
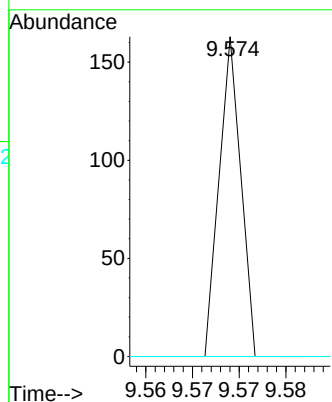
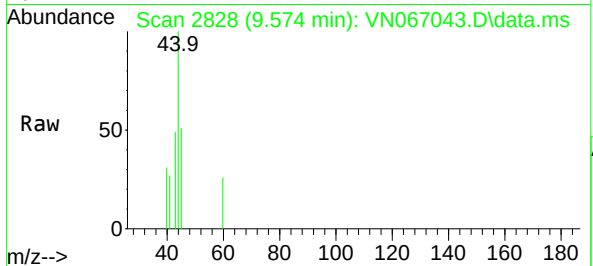




#48
Methyl methacrylate
Concen: 2.311 ug/l
RT: 9.574 min Scan# 2828
Delta R.T. 0.011 min
Lab File: VN067043.D
Acq: 9 Aug 2021 17:09

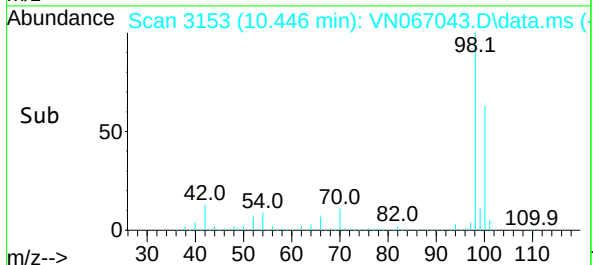
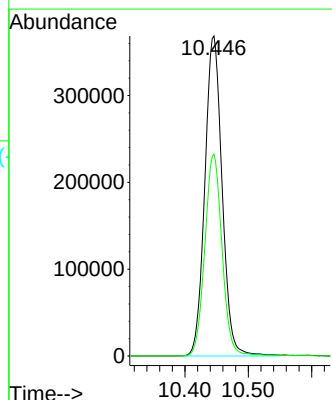
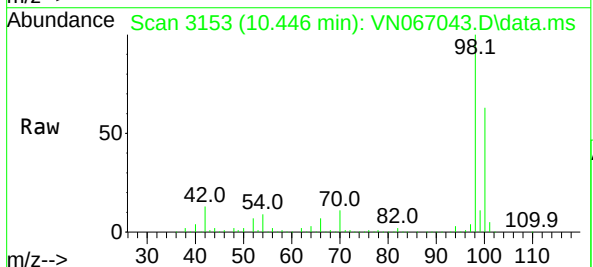
Instrument :
MSVOA_N
ClientSampled :

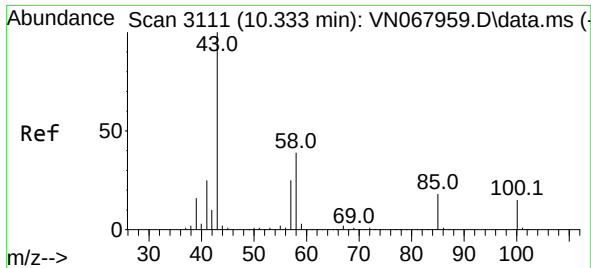
Tgt Ion: 41 Resp: 26
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#



#50
Toluene-d8
Concen: 46.755 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN067043.D
Acq: 9 Aug 2021 17:09

Tgt Ion: 98 Resp: 699026
Ion Ratio Lower Upper
98 100
100 62.9 51.7 77.5

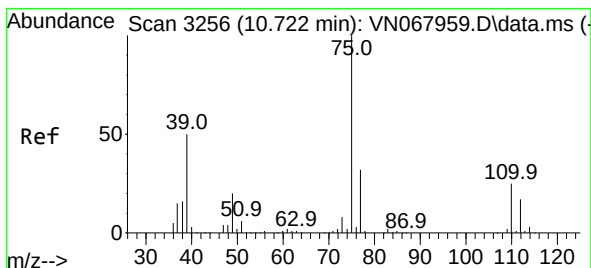
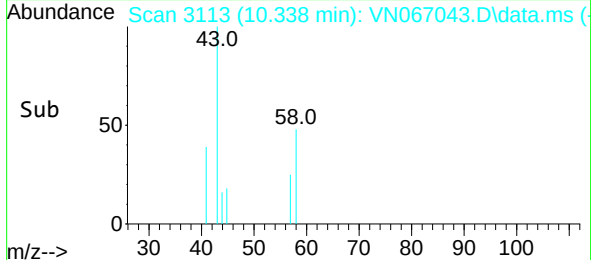
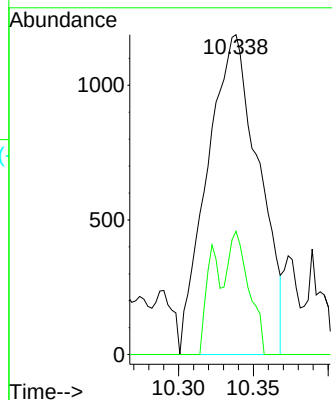
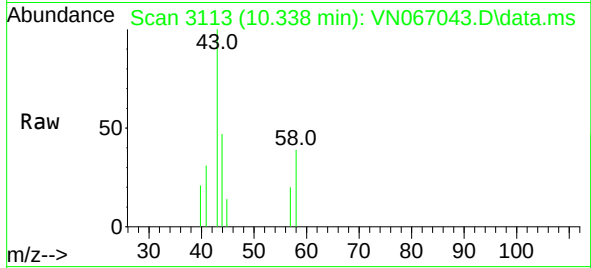




#51
4-Methyl-2-Pentanone
Concen: 13.023 ug/l
RT: 10.338 min Scan# 3113
Delta R.T. 0.005 min
Lab File: VN067043.D
Acq: 9 Aug 2021 17:09

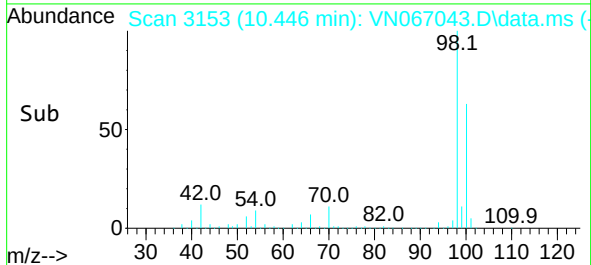
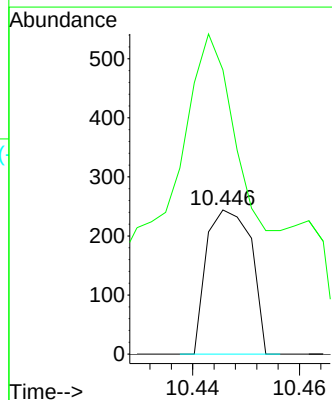
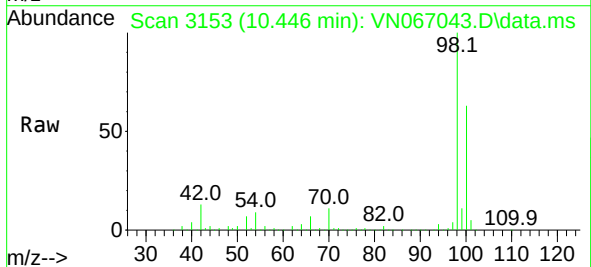
Instrument :
MSVOA_N
ClientSampled :

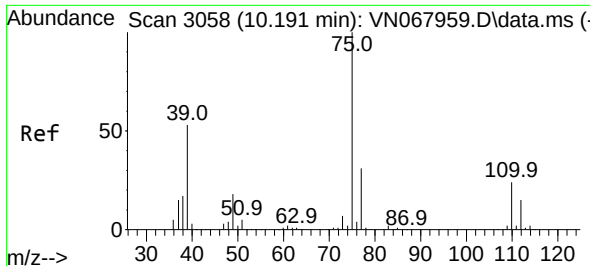
Tgt Ion: 43 Resp: 2838
Ion Ratio Lower Upper
43 100
58 15.5 28.6 43.0#



#53
t-1,3-Dichloropropene
Concen: 2.853 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. -0.276 min
Lab File: VN067043.D
Acq: 9 Aug 2021 17:09

Tgt Ion: 75 Resp: 142
Ion Ratio Lower Upper
75 100
77 111.5 25.1 37.7#

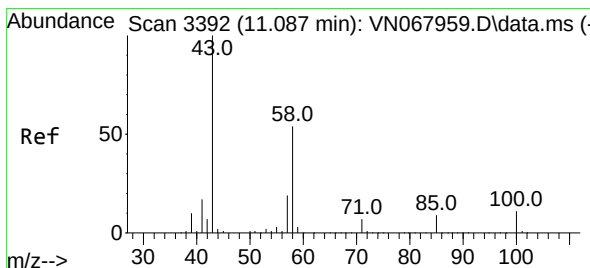
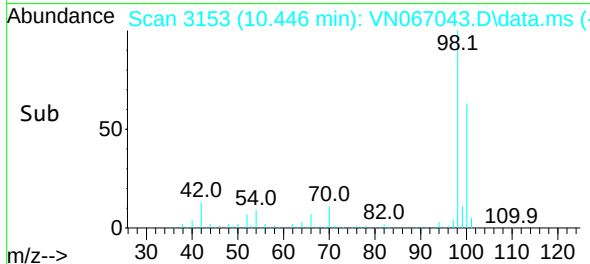
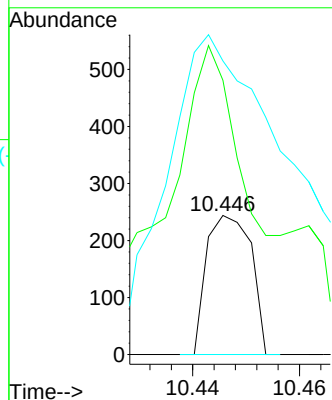
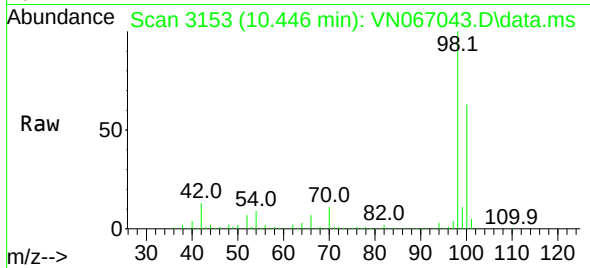




#54
 cis-1,3-Dichloropropene
 Concen: 2.375 ug/l
 RT: 10.446 min Scan# 3153
 Delta R.T. 0.255 min
 Lab File: VN067043.D
 Acq: 9 Aug 2021 17:09

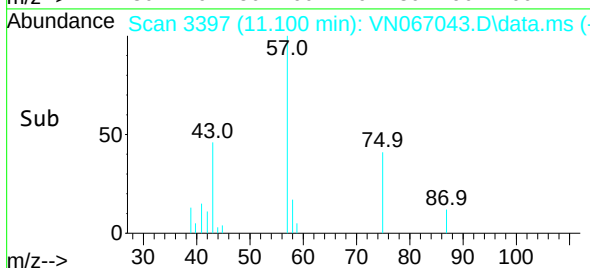
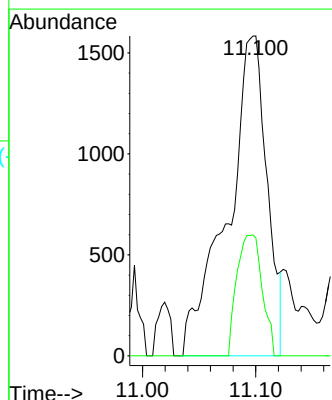
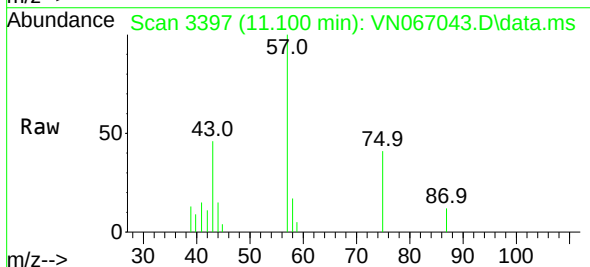
Instrument :
 MSVOA_N
 ClientSampled :

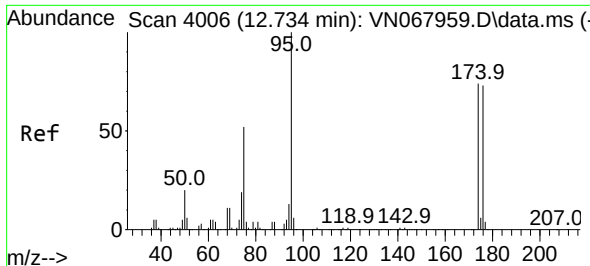
Tgt Ion: 75 Resp: 142
 Ion Ratio Lower Upper
 75 100
 77 111.5 24.6 37.0#
 39 64.8 50.7 76.1



#59
 2-Hexanone
 Concen: 14.151 ug/l
 RT: 11.100 min Scan# 3397
 Delta R.T. 0.013 min
 Lab File: VN067043.D
 Acq: 9 Aug 2021 17:09

Tgt Ion: 43 Resp: 3839
 Ion Ratio Lower Upper
 43 100
 58 24.1 24.7 74.1#

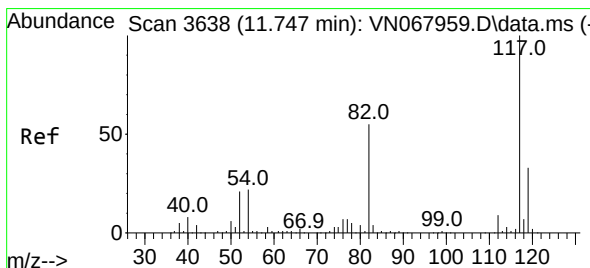
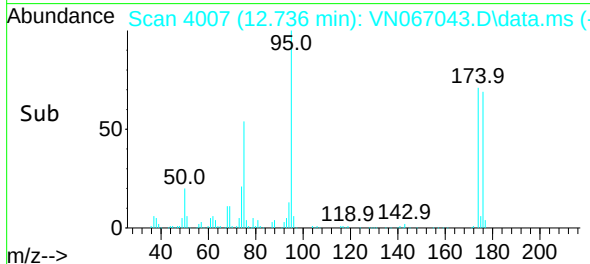
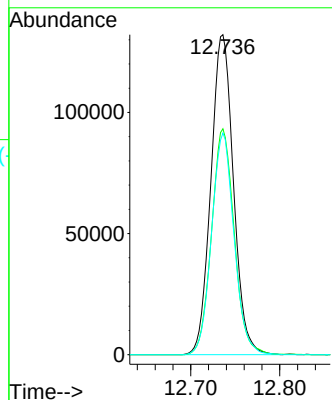
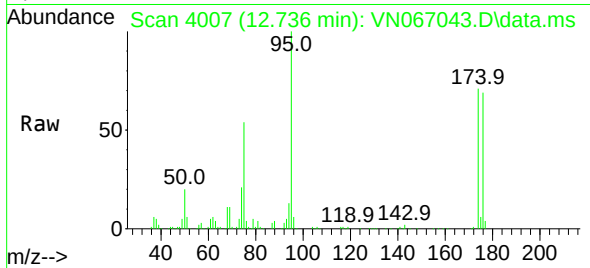




#62
4-Bromofluorobenzene
Concen: 43.055 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.002 min
Lab File: VN067043.D
Acq: 9 Aug 2021 17:09

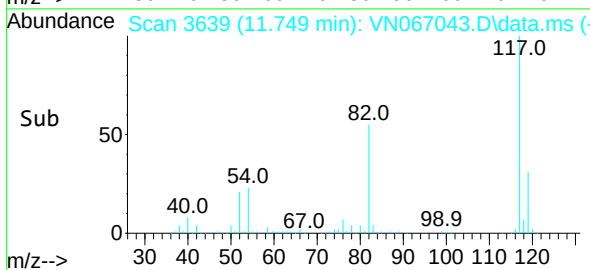
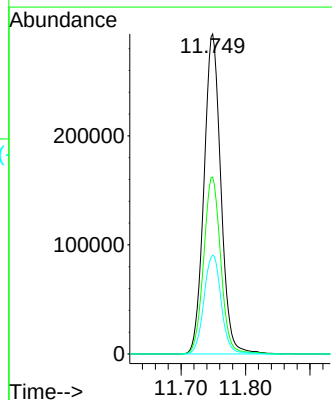
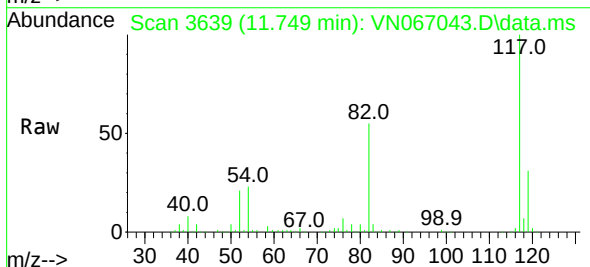
Instrument :
MSVOA_N
ClientSampled :

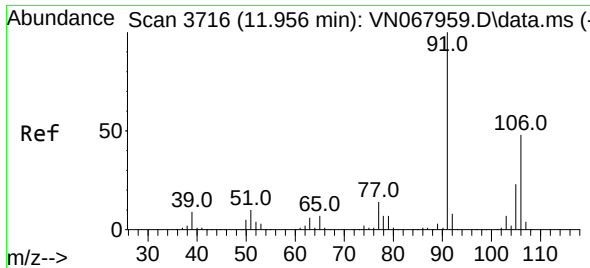
Tgt Ion: 95 Resp: 232768
Ion Ratio Lower Upper
95 100
174 70.9 0.0 122.0
176 69.0 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN067043.D
Acq: 9 Aug 2021 17:09

Tgt Ion: 117 Resp: 534525
Ion Ratio Lower Upper
117 100
82 55.3 53.1 79.7
119 30.9 25.5 38.3

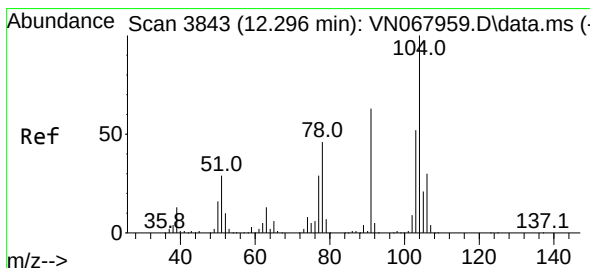
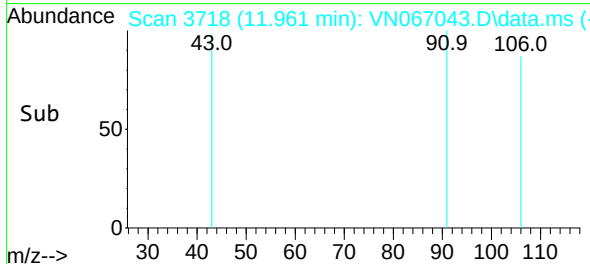
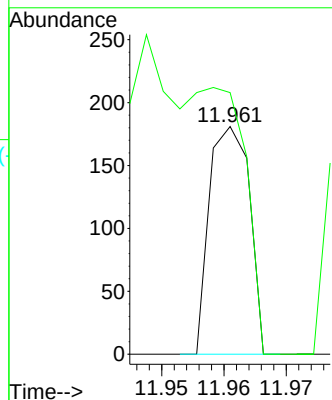
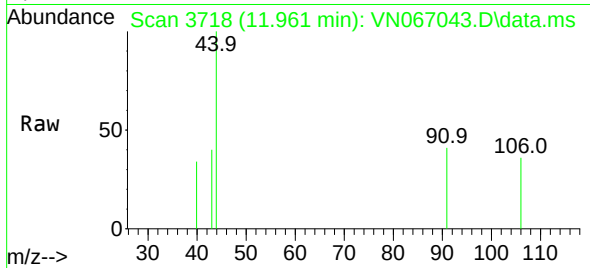




#68
m/p-Xylenes
Concen: 4.071 ug/l
RT: 11.961 min Scan# 3718
Delta R.T. 0.005 min
Lab File: VN067043.D
Acq: 9 Aug 2021 17:09

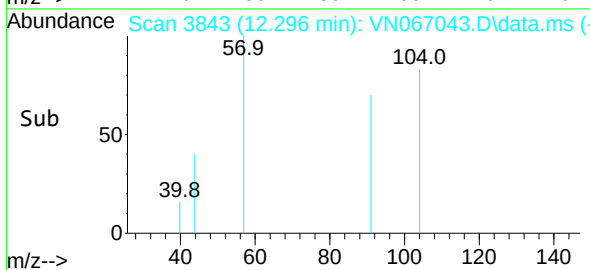
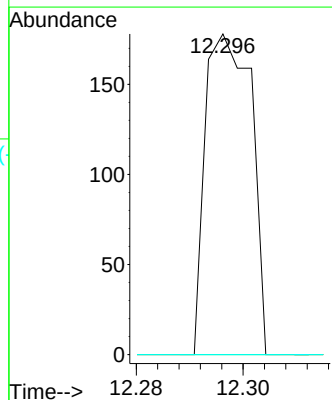
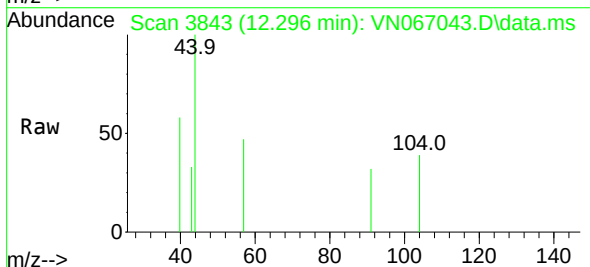
Instrument :
MSVOA_N
ClientSampled :

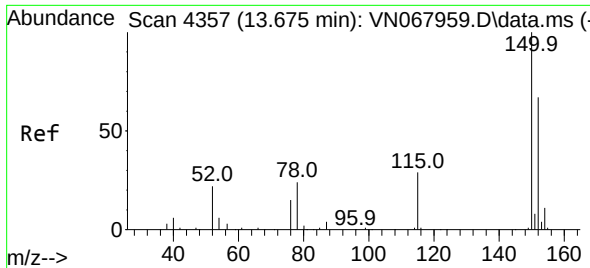
Tgt Ion:106 Resp: 81
Ion Ratio Lower Upper
106 100
91 170.4 180.6 270.8#



#70
Styrene
Concen: 2.639 ug/l
RT: 12.296 min Scan# 3843
Delta R.T. 0.000 min
Lab File: VN067043.D
Acq: 9 Aug 2021 17:09

Tgt Ion:104 Resp: 106
Ion Ratio Lower Upper
104 100
78 0.0 48.2 72.2#
103 0.0 44.5 66.7#

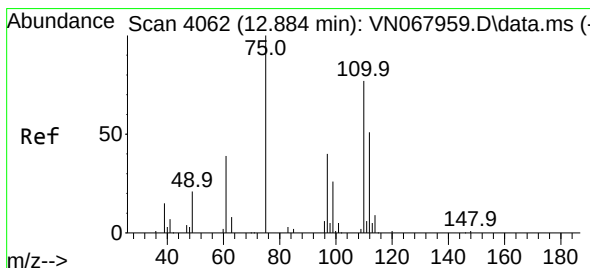
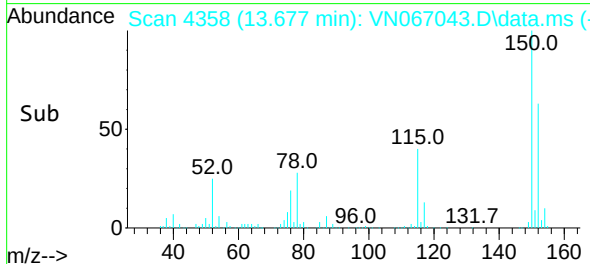
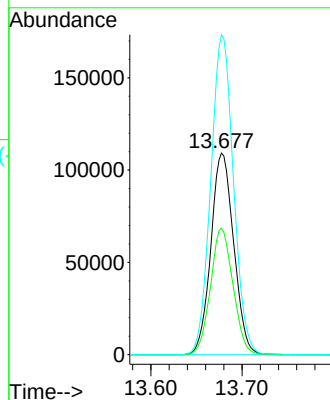
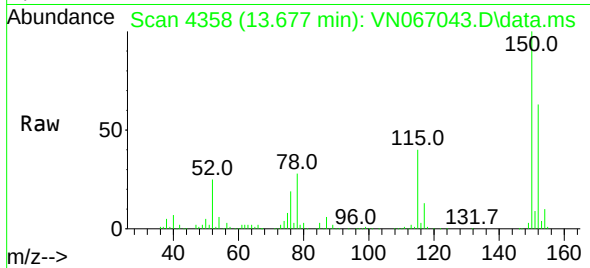




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.677 min Scan# 4358
 Delta R.T. 0.002 min
 Lab File: VN067043.D
 Acq: 9 Aug 2021 17:09

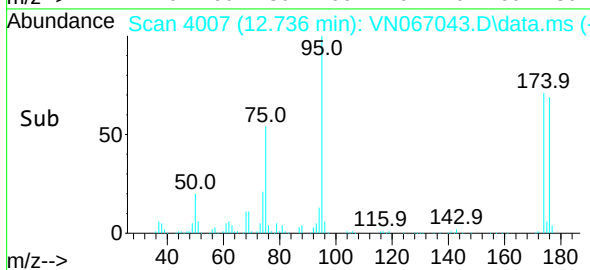
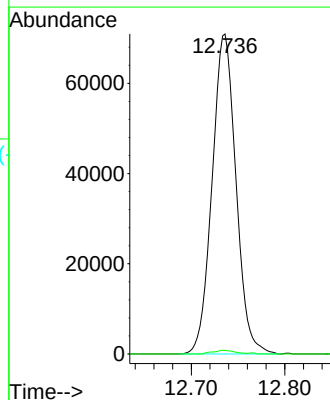
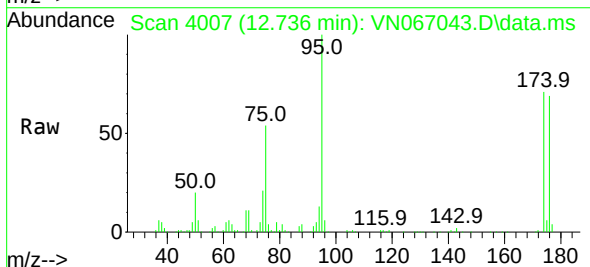
Instrument :
 MSVOA_N
 ClientSampled :

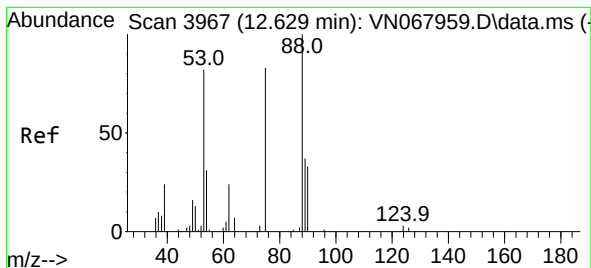
Tgt Ion:152 Resp: 190102
 Ion Ratio Lower Upper
 152 100
 115 61.8 36.1 108.5
 150 157.8 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 32.958 ug/l
 RT: 12.736 min Scan# 4007
 Delta R.T. -0.148 min
 Lab File: VN067043.D
 Acq: 9 Aug 2021 17:09

Tgt Ion: 75 Resp: 125829
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#

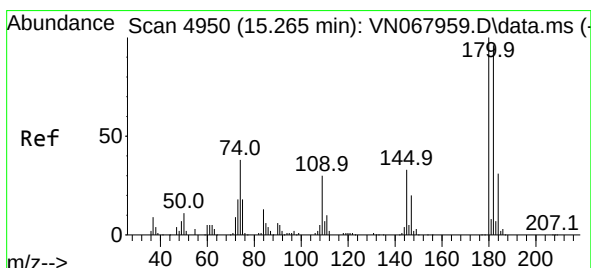
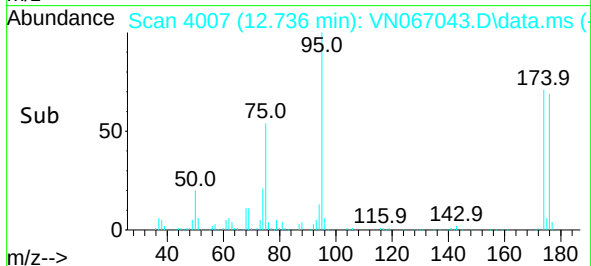
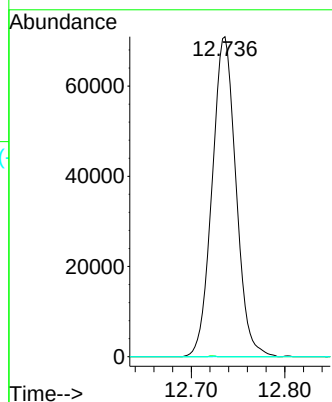
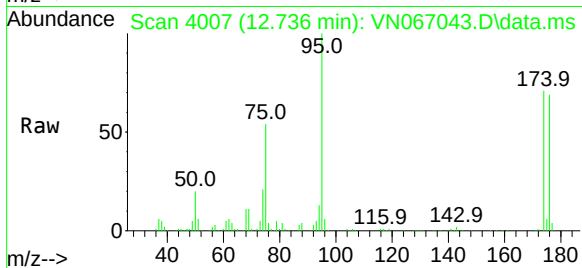




#81
trans-1,4-Dichloro-2-butene
Concen: 88.459 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.107 min
Lab File: VN067043.D
Acq: 9 Aug 2021 17:09

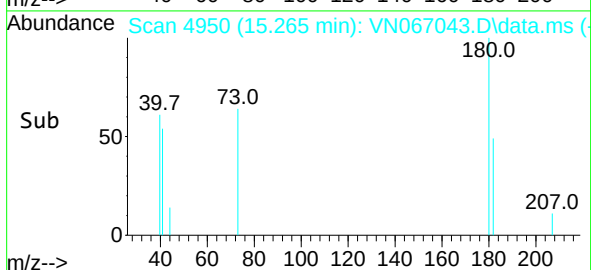
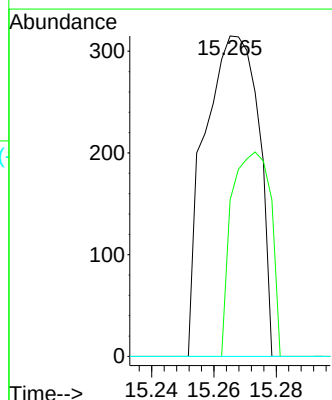
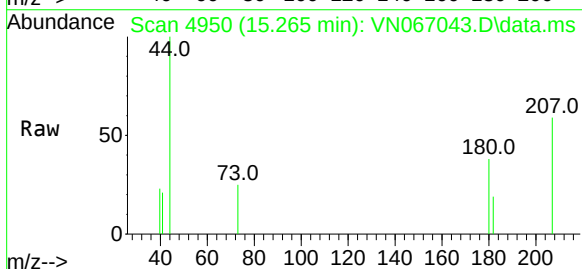
Instrument :
MSVOA_N
ClientSampled :

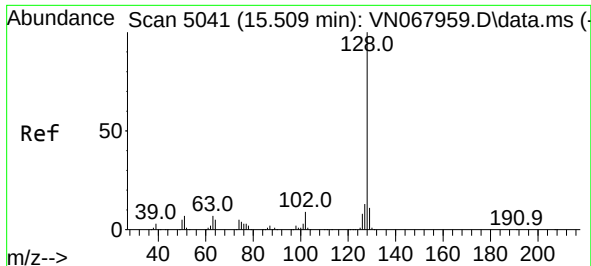
Tgt Ion: 75 Resp: 125829
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 0.0 37.8 56.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.596 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN067043.D
Acq: 9 Aug 2021 17:09

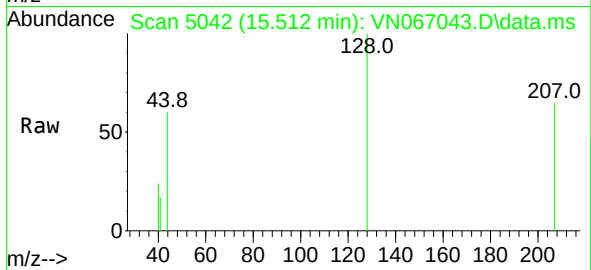
Tgt Ion:180 Resp: 377
Ion Ratio Lower Upper
180 100
182 46.2 47.5 142.5#
145 0.0 17.2 51.6#



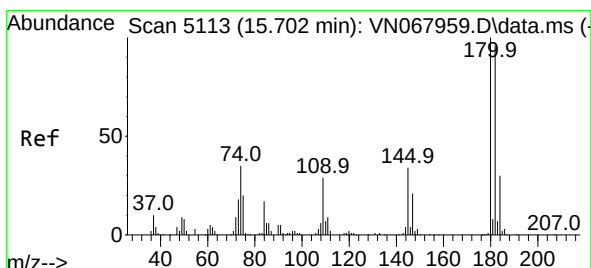
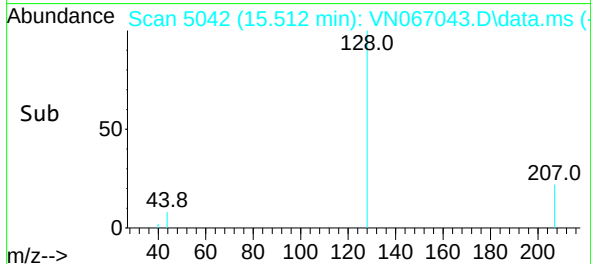
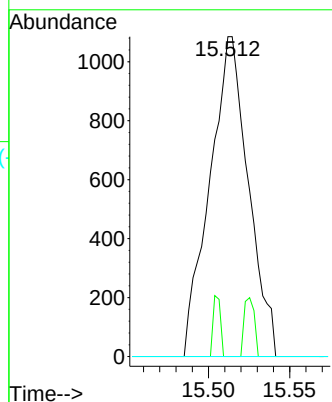


#95
Naphthalene
Concen: 3.333 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.003 min
Lab File: VN067043.D
Acq: 9 Aug 2021 17:09

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion:128 Resp: 1797
Ion Ratio Lower Upper
128 100
127 3.6 10.6 15.8#
129 0.0 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 2.474 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. -0.002 min
Lab File: VN067043.D
Acq: 9 Aug 2021 17:09

Tgt Ion:180 Resp: 295
Ion Ratio Lower Upper
180 100
182 84.1 47.8 143.3
145 0.0 18.2 54.6#

