

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060521\
 Data File : VN067233.D
 Acq On : 5 Jun 2021 16:25
 Operator : JC/MD
 Sample : M2589-36
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 18-B11(4-6)

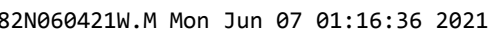
Quant Time: Jun 07 01:16:29 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060421W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 04 19:00:20 2021
 Response via : Initial Calibration

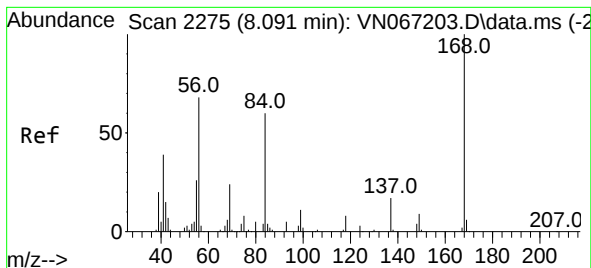
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.091	168	204816	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.973	114	363246	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	362145	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.680	152	158598	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.442	65	135970	48.702	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	97.400%		
35) Dibromofluoromethane	8.027	113	109497	48.624	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	97.240%		
50) Toluene-d8	10.446	98	478884	52.216	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	104.440%		
62) 4-Bromofluorobenzene	12.736	95	156188	44.218	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	88.440%		
Target Compounds					Qvalue	
13) Acrolein	4.052	56	26	Below Cal	#	1
16) Acetone	4.304	43	21979	22.815	ug/l	96
17) Carbon Disulfide	4.543	76	4095	0.718	ug/l	97
20) Methylene Chloride	5.106	84	5944	2.450	ug/l	90
25) 2-Butanone	7.345	43	7491	4.856	ug/l	91
29) Tetrahydrofuran	7.716	42	878	0.957	ug/l	# 33
31) Cyclohexane	8.091	56	5317	1.418	ug/l	# 35
36) 1,1-Dichloropropene	8.088	75	16274	4.851	ug/l	# 47
37) Ethyl Acetate	7.345	43	7491	2.316	ug/l	# 65
38) Carbon Tetrachloride	8.091	117	20480	5.590	ug/l	# 14
43) Isopropyl Acetate	8.568	43	15960	2.595	ug/l	# 83
45) 1,2-Dichloropropane	9.622	63	796	0.307	ug/l	# 45
48) Methyl methacrylate	9.553	41	4167	1.564	ug/l	# 9
51) 4-Methyl-2-Pentanone	10.339	43	2838	0.788	ug/l	93
54) cis-1,3-Dichloropropene	10.247	75	23805	5.358	ug/l	# 69
57) 1,3-Dichloropropane	11.097	76	13956	3.249	ug/l	# 42
59) 2-Hexanone	11.095	43	209089	79.833	ug/l	# 44
67) Ethyl Benzene	11.851	91	4585	0.323	ug/l	# 87
68) m/p-Xylenes	11.956	106	2783	0.499	ug/l	79
69) o-Xylene	12.286	106	2460	0.452	ug/l	96
74) N-amyl acetate	12.358	43	1660	0.341	ug/l	# 42
76) 1,2,3-Trichloropropane	12.736	75	87783	28.782	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.736	75	87783	70.421	ug/l	# 15
84) 1,2,4-Trimethylbenzene	13.377	105	3925	0.378	ug/l	84
95) Naphthalene	15.509	128	29380	8.222	ug/l	97

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

Quant Time: Jun 07 01:16:29 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060421W.M
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QLast Update : Fri Jun 04 19:00:20 2021
Response via : Initial Calibration

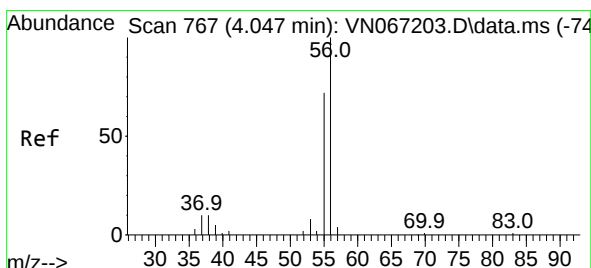
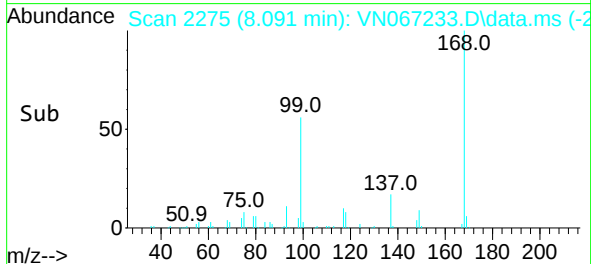
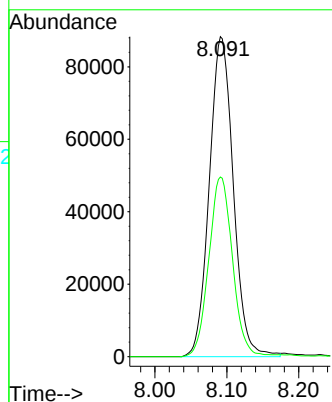
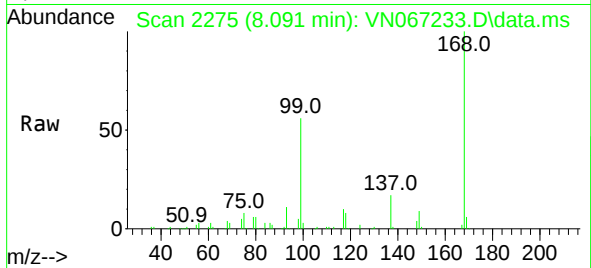




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. 0.000 min
Lab File: VN067233.D
Acq: 5 Jun 2021 16:25

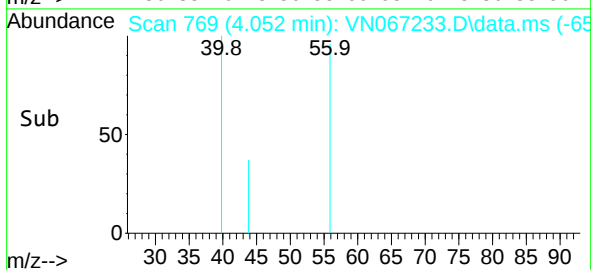
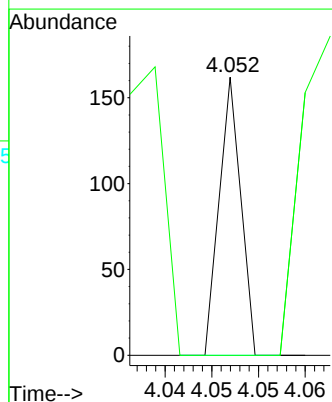
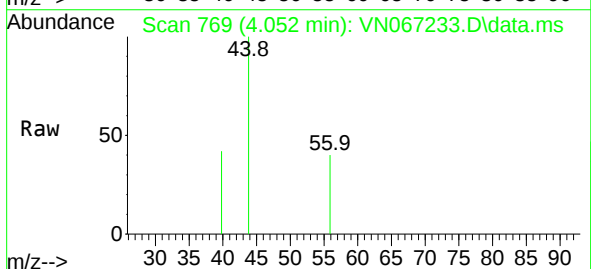
Instrument :
MSVOA_N
ClientSampleId :
18-B11(4-6)

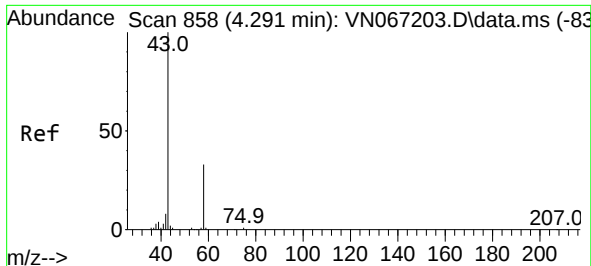
Tgt Ion:168 Resp: 204816
Ion Ratio Lower Upper
168 100
99 56.2 38.5 57.7



#13
Acrolein
Concen: Below Cal
RT: 4.052 min Scan# 769
Delta R.T. 0.005 min
Lab File: VN067233.D
Acq: 5 Jun 2021 16:25

Tgt Ion: 56 Resp: 26
Ion Ratio Lower Upper
56 100
55 196.2 53.8 80.6#

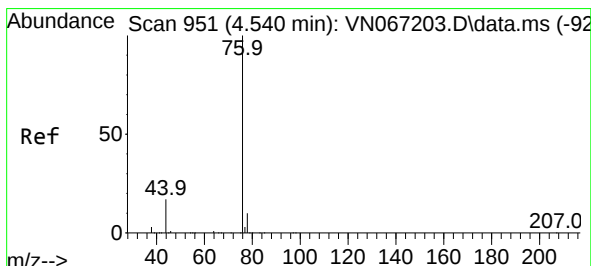
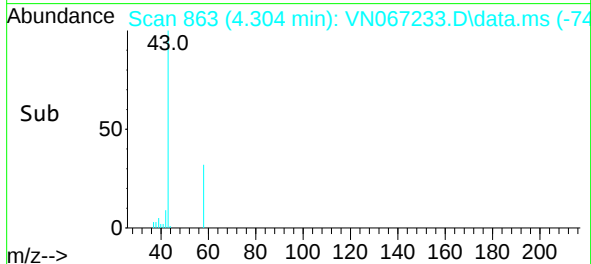
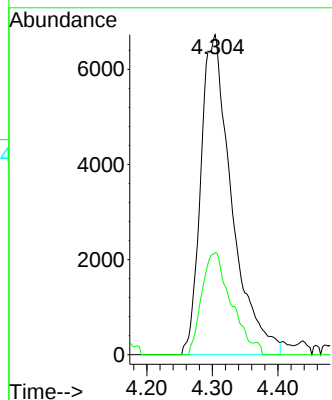
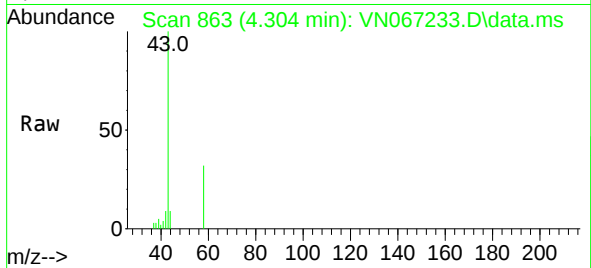




#16
Acetone
Concen: 22.815 ug/l
RT: 4.304 min Scan# 863
Delta R.T. 0.013 min
Lab File: VN067233.D
Acq: 5 Jun 2021 16:25

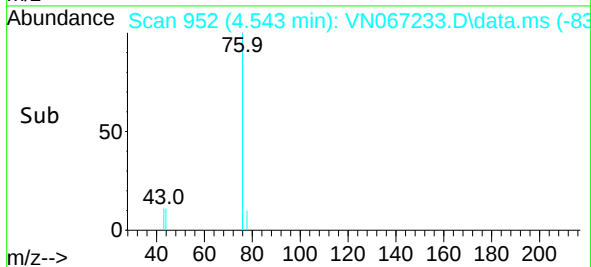
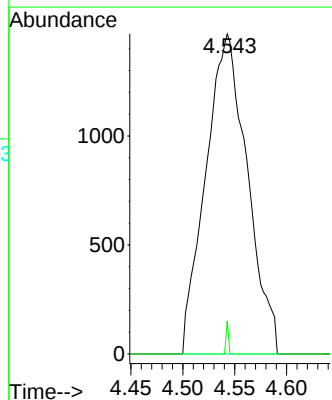
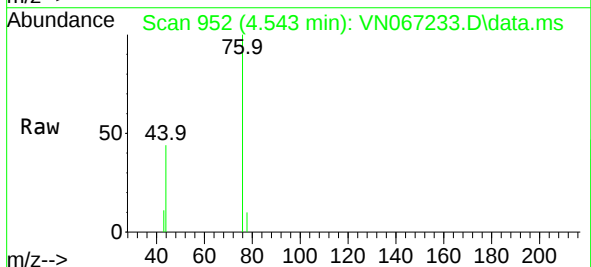
Instrument :
MSVOA_N
ClientSampleId :
18-B11(4-6)

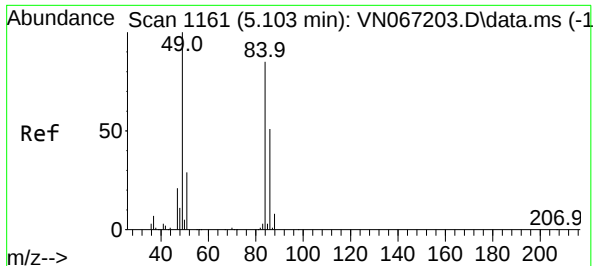
Tgt Ion: 43 Resp: 21979
Ion Ratio Lower Upper
43 100
58 31.9 27.2 40.8



#17
Carbon Disulfide
Concen: 0.718 ug/l
RT: 4.543 min Scan# 952
Delta R.T. 0.003 min
Lab File: VN067233.D
Acq: 5 Jun 2021 16:25

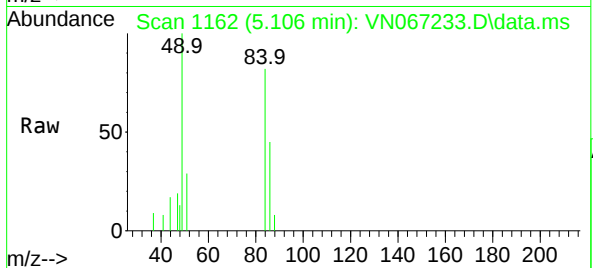
Tgt Ion: 76 Resp: 4095
Ion Ratio Lower Upper
76 100
78 10.4 7.5 11.3



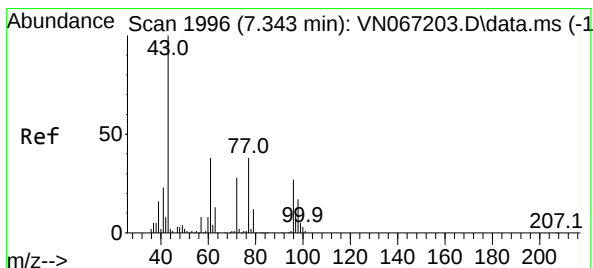
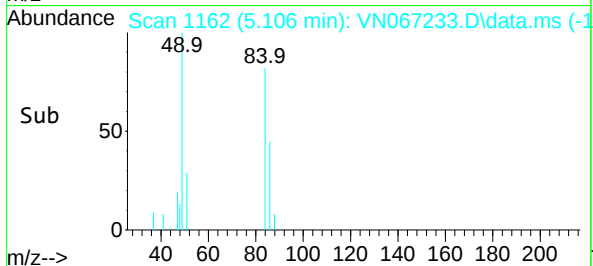
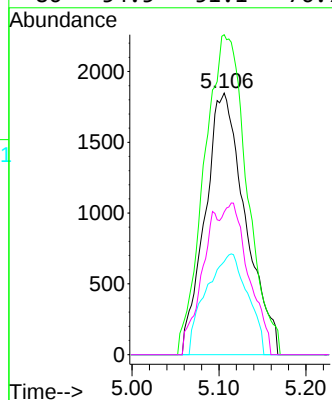


#20
Methylene Chloride
Concen: 2.450 ug/l
RT: 5.106 min Scan# 1162
Delta R.T. 0.003 min
Lab File: VN067233.D
Acq: 5 Jun 2021 16:25

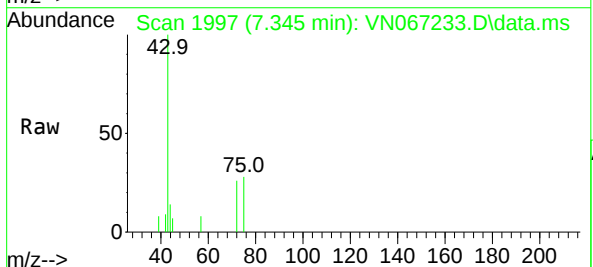
Instrument :
MSVOA_N
ClientSampleId :
18-B11(4-6)



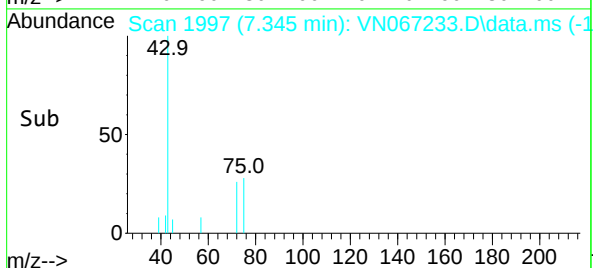
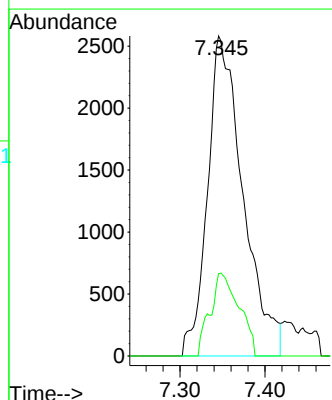
Tgt Ion:	84	Resp:	5944
Ion	Ratio	Lower	Upper
84	100		
49	122.3	88.3	132.5
51	35.6	26.7	40.1
86	54.5	51.1	76.7

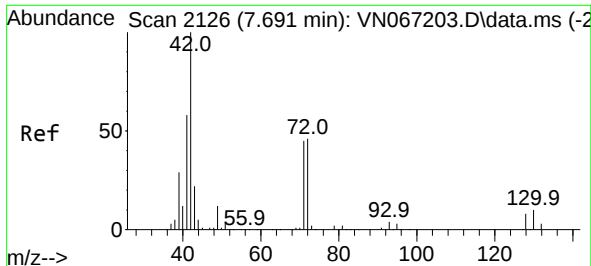


#25
2-Butanone
Concen: 4.856 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. 0.002 min
Lab File: VN067233.D
Acq: 5 Jun 2021 16:25



Tgt Ion:	43	Resp:	7491
Ion	Ratio	Lower	Upper
43	100		
72	25.8	24.4	36.6





#29

Tetrahydrofuran

Concen: 0.957 ug/l

RT: 7.716 min Scan# 2135

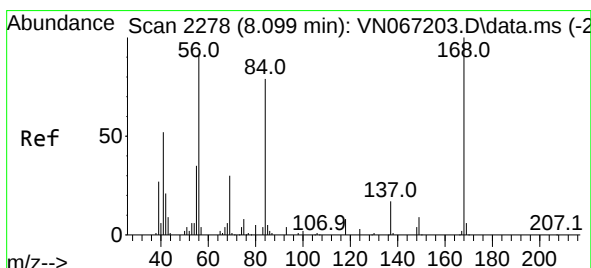
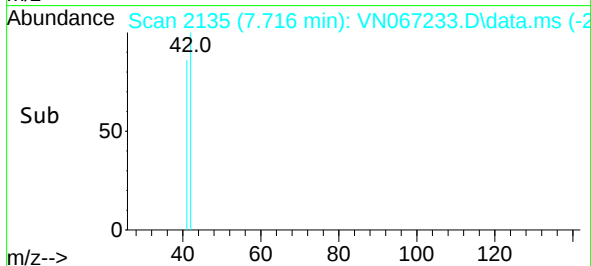
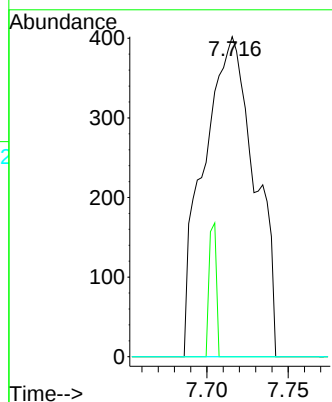
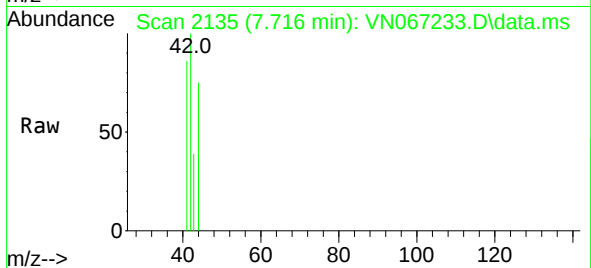
Delta R.T. 0.025 min

Lab File: VN067233.D

Acq: 5 Jun 2021 16:25

Tgt Ion:	42	Resp:	878
Ion	Ratio	Lower	Upper
42	100		
72	5.9	40.1	60.1#
71	0.0	37.9	56.9#

Instrument :
MSVOA_N
ClientSampled :
18-B11(4-6)



#31

Cyclohexane

Concen: 1.418 ug/l

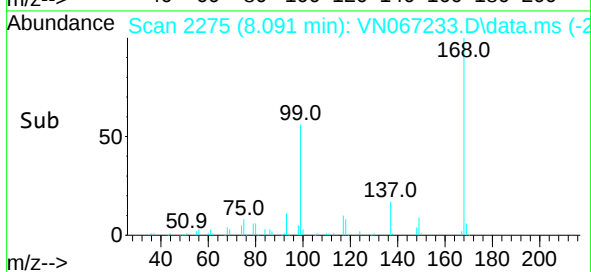
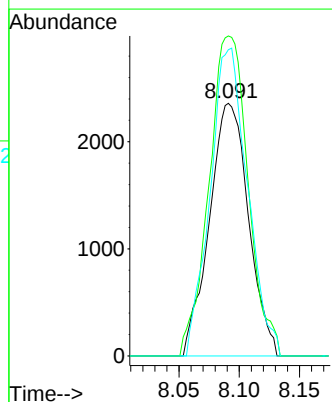
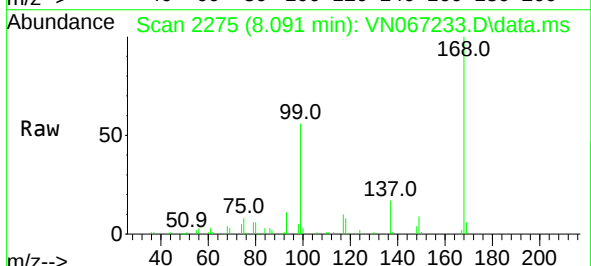
RT: 8.091 min Scan# 2275

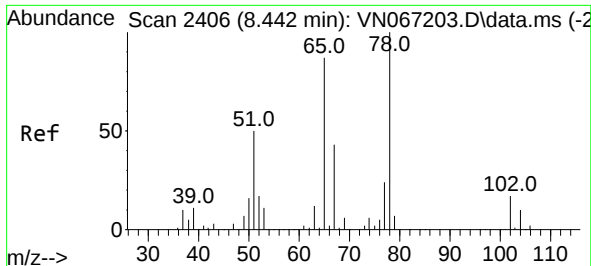
Delta R.T. -0.008 min

Lab File: VN067233.D

Acq: 5 Jun 2021 16:25

Tgt Ion:	56	Resp:	5317
Ion	Ratio	Lower	Upper
56	100		
69	126.7	28.0	42.0#
84	121.2	74.2	111.2#

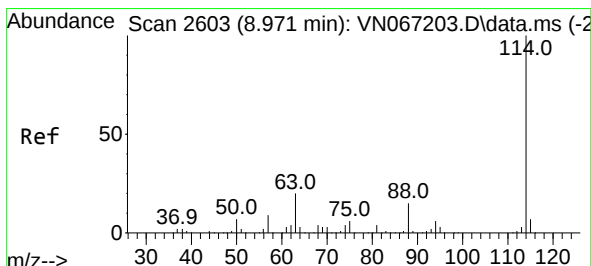
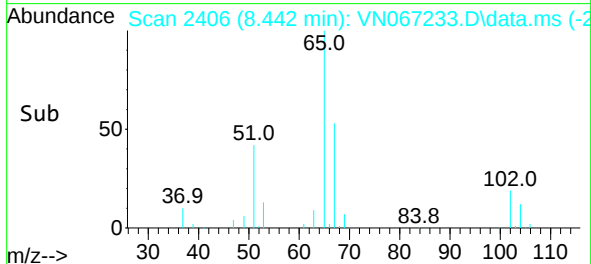
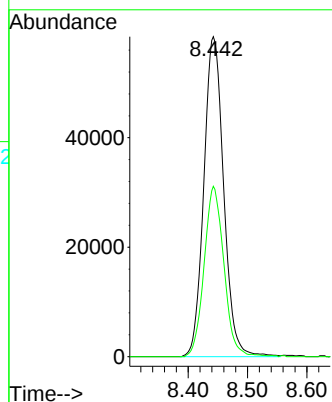
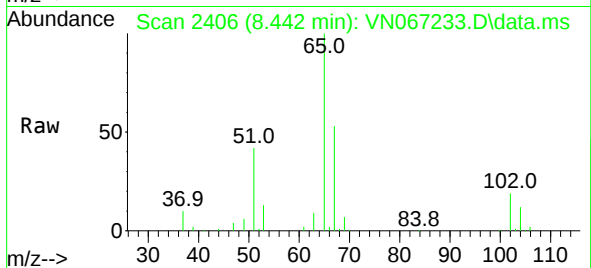




#33
 1,2-Dichloroethane-d4
 Concen: 48.702 ug/l
 RT: 8.442 min Scan# 2406
 Delta R.T. 0.000 min
 Lab File: VN067233.D
 Acq: 5 Jun 2021 16:25

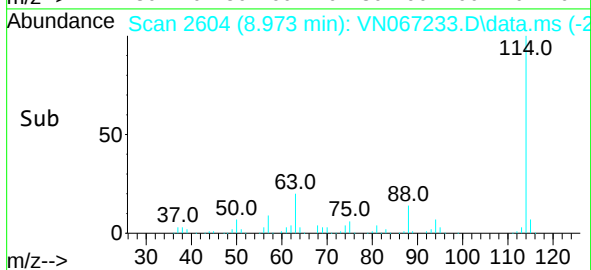
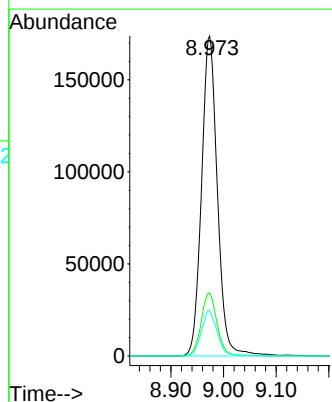
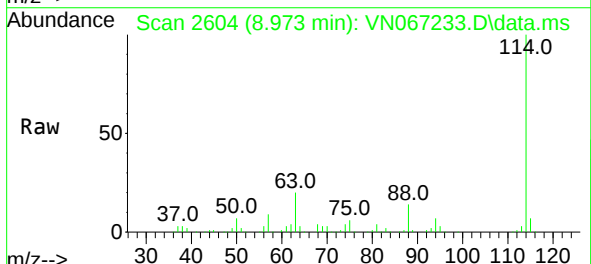
Instrument :
 MSVOA_N
 ClientSampleId :
 18-B11(4-6)

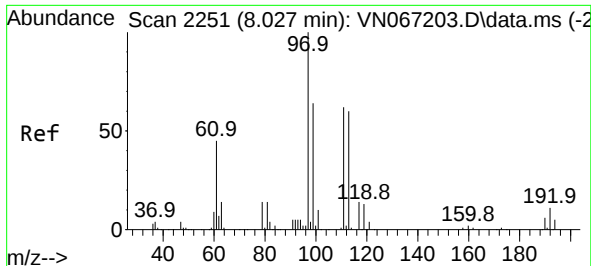
Tgt Ion: 65 Resp: 135970
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.973 min Scan# 2604
 Delta R.T. 0.003 min
 Lab File: VN067233.D
 Acq: 5 Jun 2021 16:25

Tgt Ion: 114 Resp: 363246
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 35.8
 88 14.2 0.0 30.4

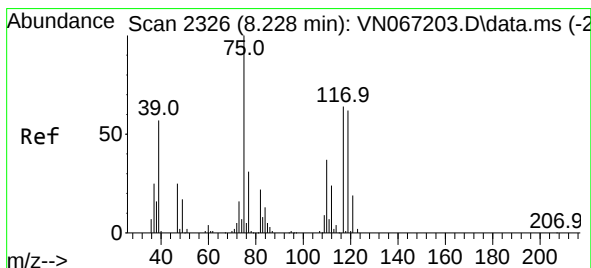
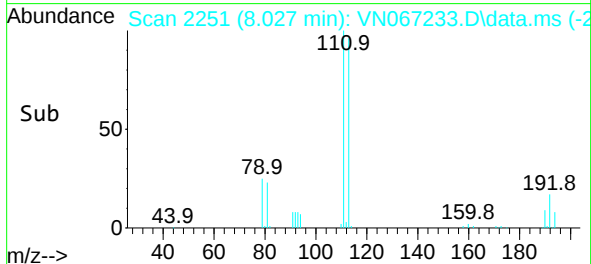
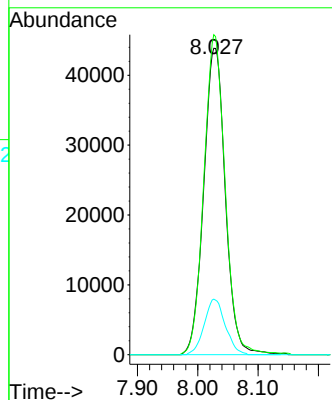
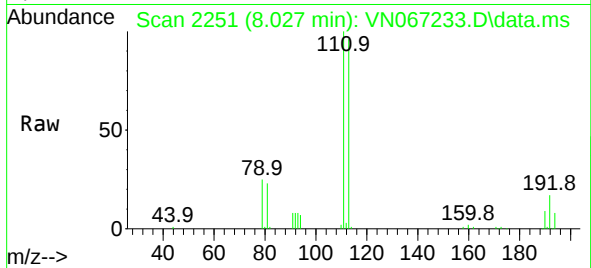




#35
Dibromofluoromethane
Concen: 48.624 ug/l
RT: 8.027 min Scan# 2251
Delta R.T. 0.000 min
Lab File: VN067233.D
Acq: 5 Jun 2021 16:25

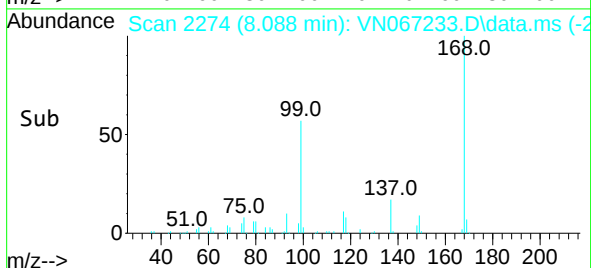
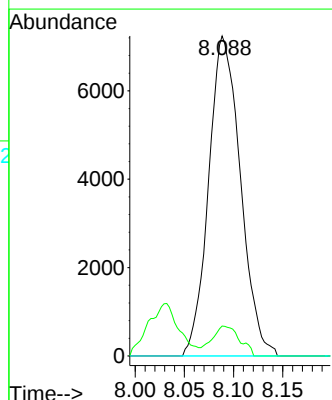
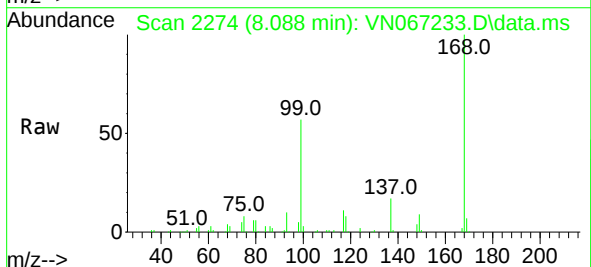
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18-B11(4-6)

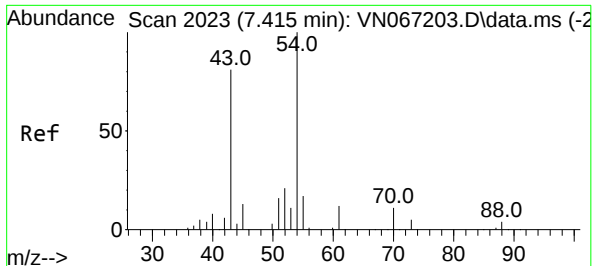
Tgt Ion:113 Resp: 109497
Ion Ratio Lower Upper
113 100
111 102.4 82.6 124.0
192 17.6 18.2 27.4#



#36
1,1-Dichloropropene
Concen: 4.851 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.139 min
Lab File: VN067233.D
Acq: 5 Jun 2021 16:25

Tgt Ion: 75 Resp: 16274
Ion Ratio Lower Upper
75 100
110 8.1 19.1 57.3#
77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 2.316 ug/l

RT: 7.345 min Scan# 1997

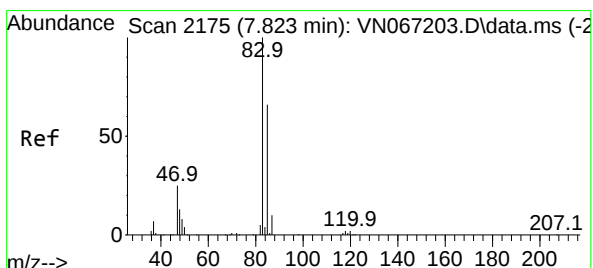
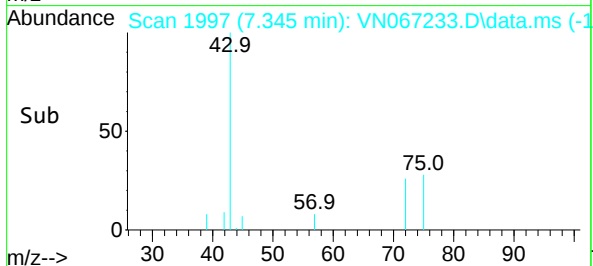
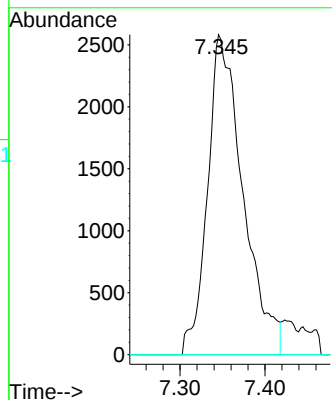
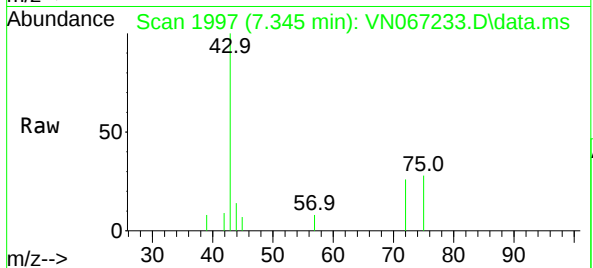
Delta R.T. -0.070 min

Lab File: VN067233.D

Acq: 5 Jun 2021 16:25

Tgt Ion:	43	Resp:	7491
Ion	Ratio	Lower	Upper
43	100		
61	0.0	13.0	19.4#
70	0.0	9.2	13.8#

Instrument :
MSVOA_N
ClientSampleId :
18-B11(4-6)



#38

Carbon Tetrachloride

Concen: 5.590 ug/l

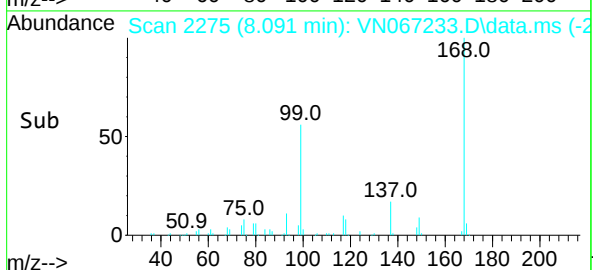
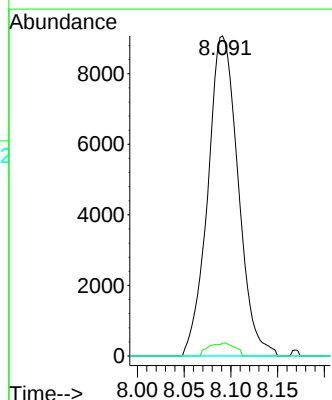
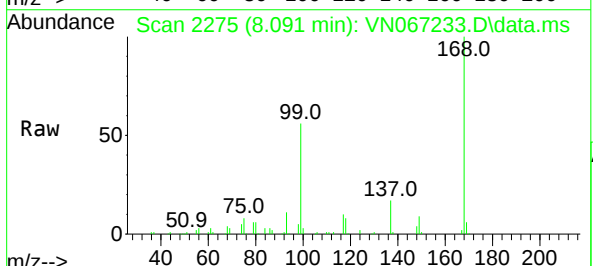
RT: 8.091 min Scan# 2275

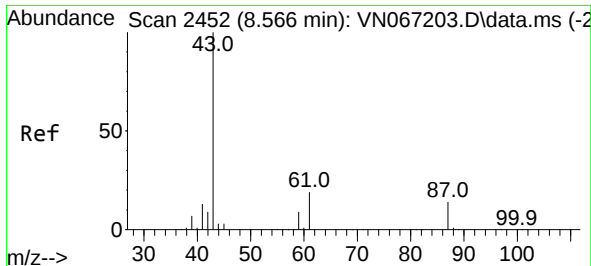
Delta R.T. -0.121 min

Lab File: VN067233.D

Acq: 5 Jun 2021 16:25

Tgt Ion:	117	Resp:	20480
Ion	Ratio	Lower	Upper
117	100		
119	4.0	78.2	117.2#
121	0.0	24.7	37.1#

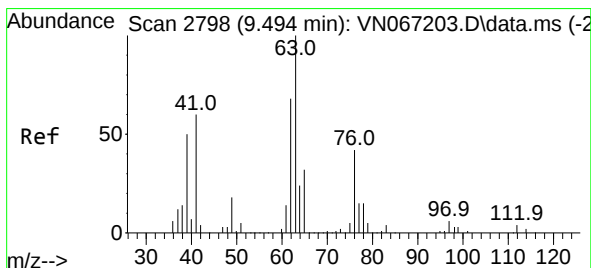
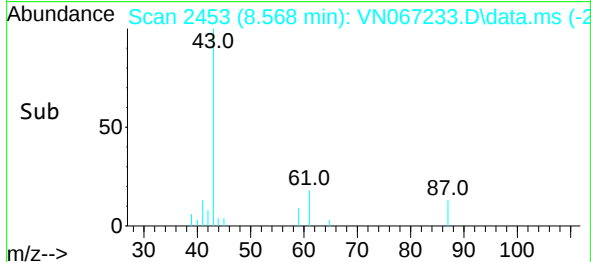
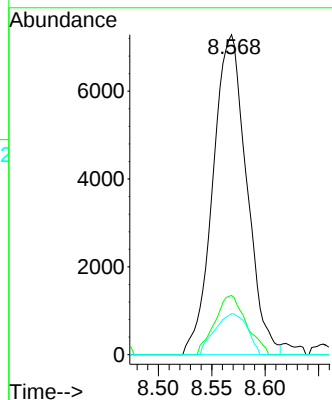
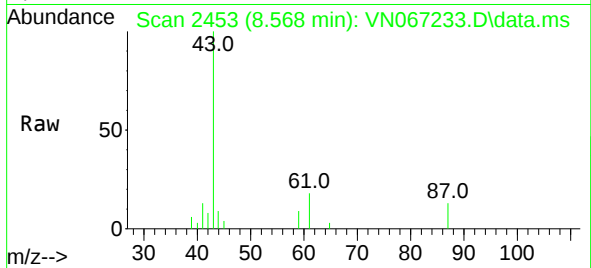




#43
Isopropyl Acetate
Concen: 2.595 ug/l
RT: 8.568 min Scan# 2453
Delta R.T. 0.003 min
Lab File: VN067233.D
Acq: 5 Jun 2021 16:25

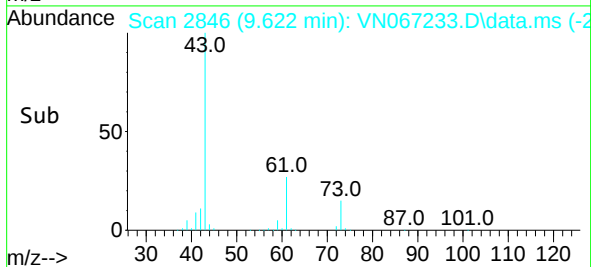
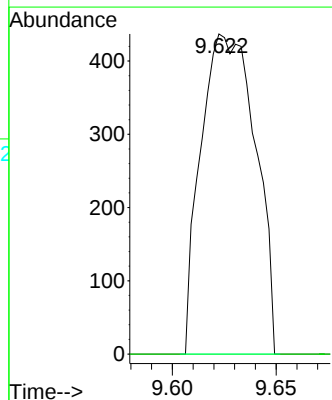
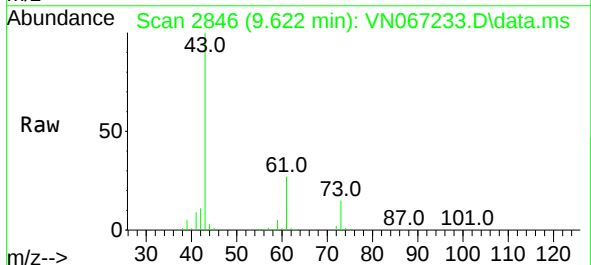
Instrument :
MSVOA_N
ClientSampleId :
18-B11(4-6)

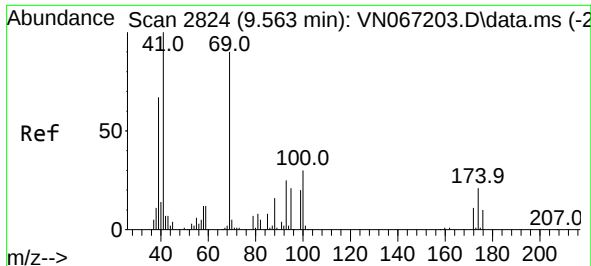
Tgt Ion: 43 Resp: 15960
Ion Ratio Lower Upper
43 100
61 17.3 23.4 35.0#
87 12.3 12.2 18.2



#45
1,2-Dichloropropane
Concen: 0.307 ug/l
RT: 9.622 min Scan# 2846
Delta R.T. 0.129 min
Lab File: VN067233.D
Acq: 5 Jun 2021 16:25

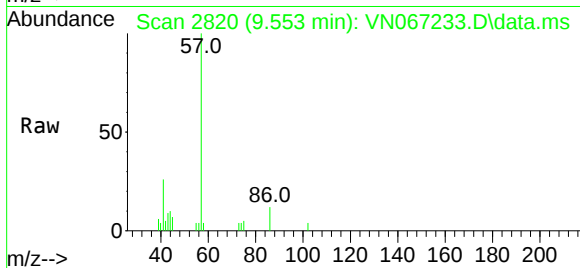
Tgt Ion: 63 Resp: 796
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#



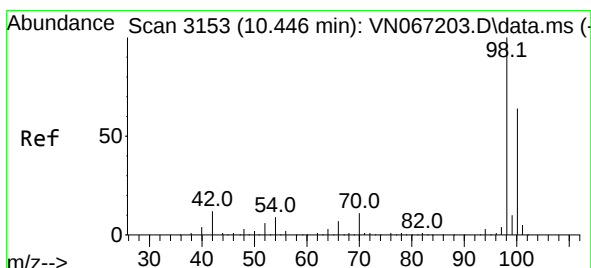
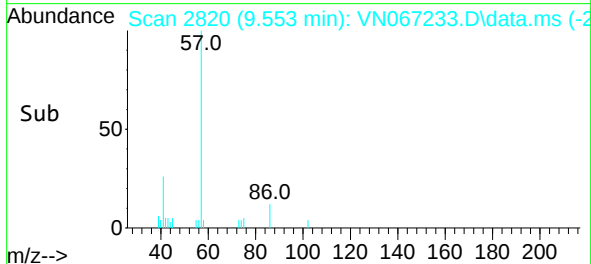
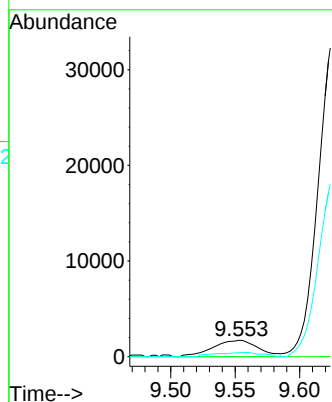


#48
Methyl methacrylate
Concen: 1.564 ug/l
RT: 9.553 min Scan# 2820
Delta R.T. -0.011 min
Lab File: VN067233.D
Acq: 5 Jun 2021 16:25

Instrument :
MSVOA_N
ClientSampleId :
18-B11(4-6)

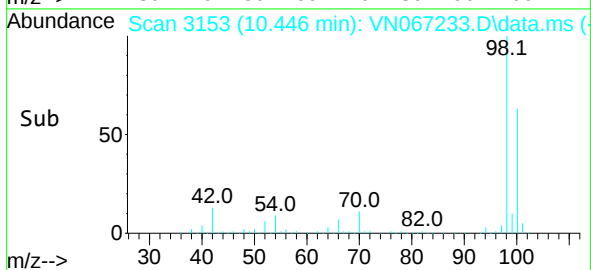
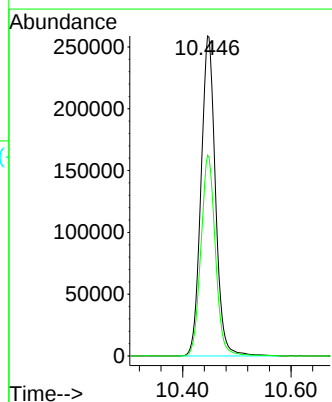
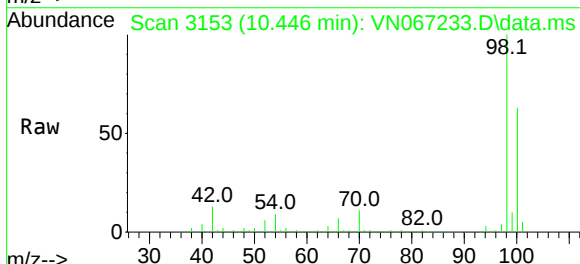


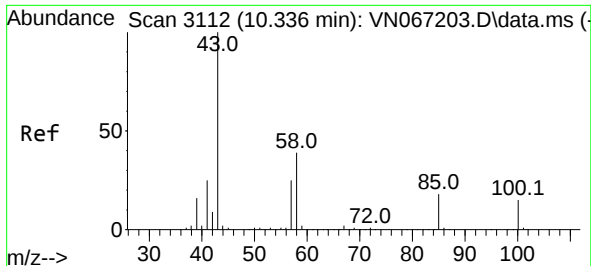
Tgt Ion: 41 Resp: 4167
Ion Ratio Lower Upper
41 100
69 0.0 80.5 120.7#
39 0.0 41.4 62.0#



#50
Toluene-d8
Concen: 52.216 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.000 min
Lab File: VN067233.D
Acq: 5 Jun 2021 16:25

Tgt Ion: 98 Resp: 478884
Ion Ratio Lower Upper
98 100
100 62.7 51.8 77.8

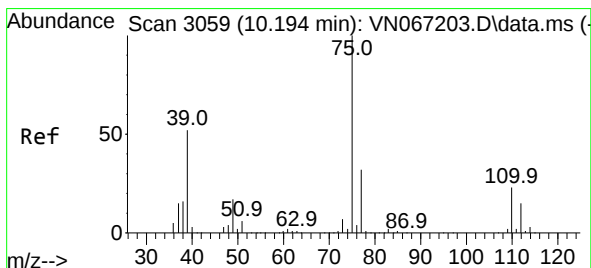
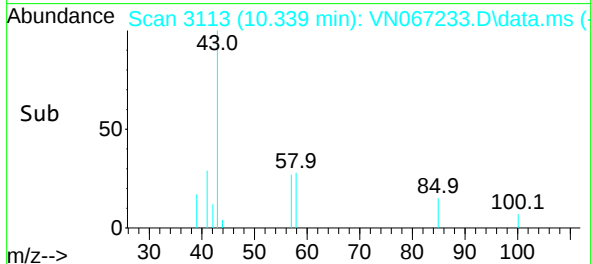
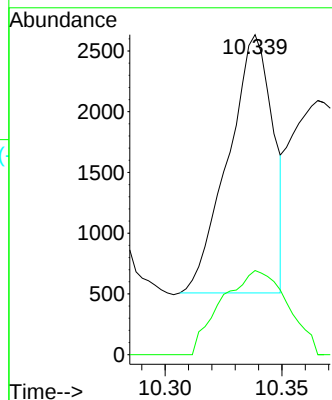
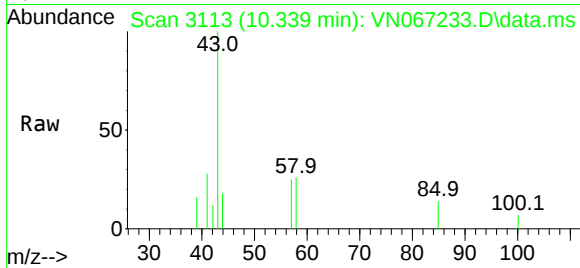




#51
4-Methyl-2-Pentanone
Concen: 0.788 ug/l
RT: 10.339 min Scan# 3113
Delta R.T. 0.002 min
Lab File: VN067233.D
Acq: 5 Jun 2021 16:25

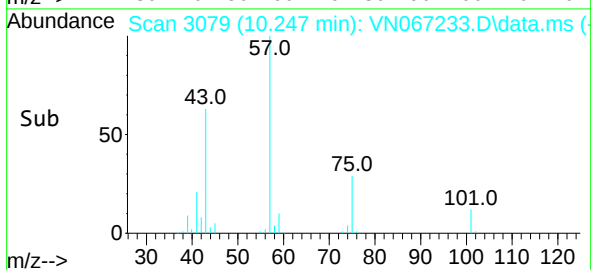
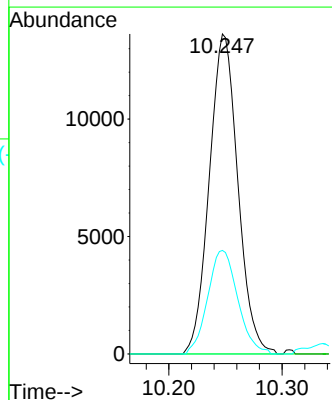
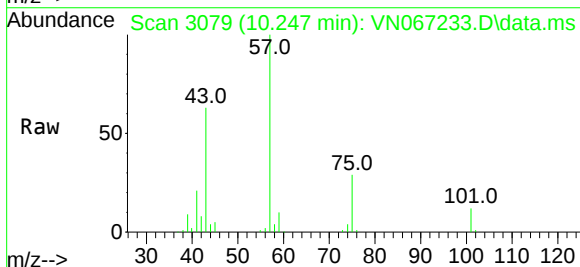
Instrument :
MSVOA_N
ClientSampleId :
18-B11(4-6)

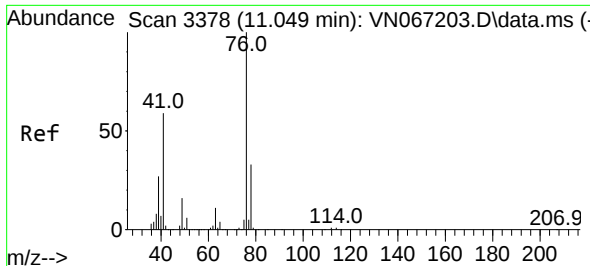
Tgt Ion: 43 Resp: 2838
Ion Ratio Lower Upper
43 100
58 47.9 34.5 51.7



#54
cis-1,3-Dichloropropene
Concen: 5.358 ug/l
RT: 10.247 min Scan# 3079
Delta R.T. 0.054 min
Lab File: VN067233.D
Acq: 5 Jun 2021 16:25

Tgt Ion: 75 Resp: 23805
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#
39 32.4 30.9 46.3

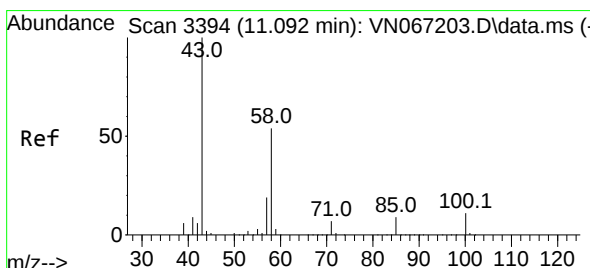
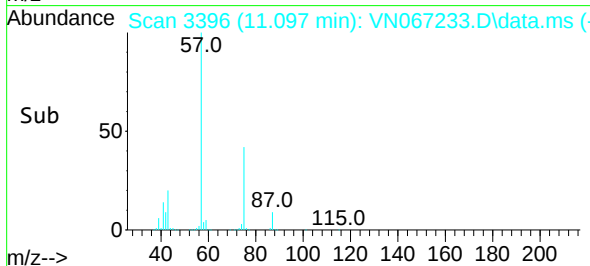
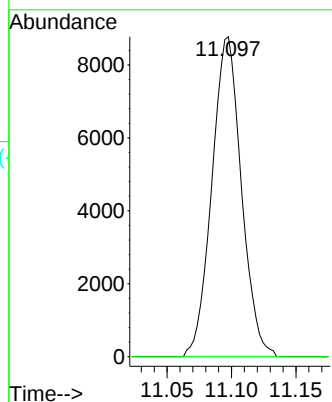
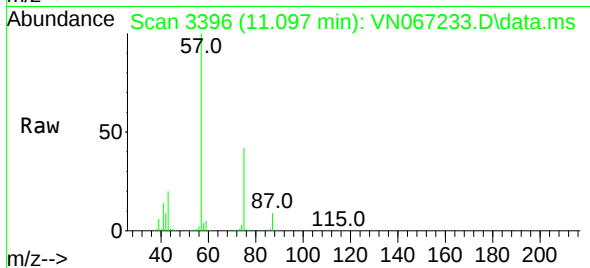




#57
1,3-Dichloropropane
Concen: 3.249 ug/l
RT: 11.097 min Scan# 3396
Delta R.T. 0.048 min
Lab File: VN067233.D
Acq: 5 Jun 2021 16:25

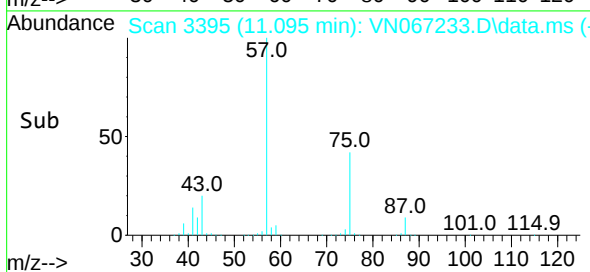
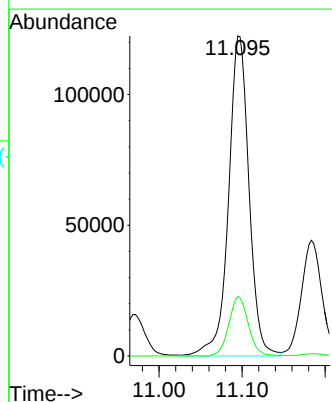
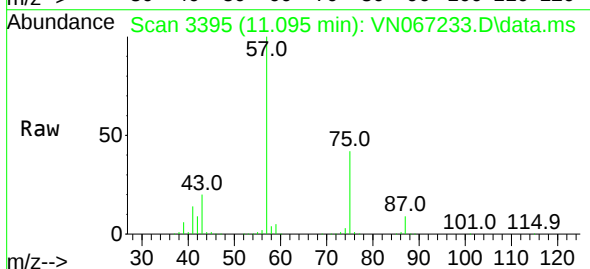
Instrument :
MSVOA_N
ClientSampled :
18-B11(4-6)

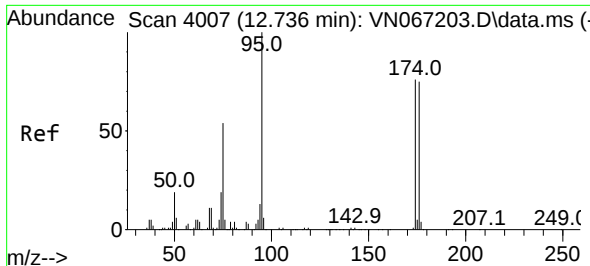
Tgt Ion: 76 Resp: 13956
Ion Ratio Lower Upper
76 100
78 0.0 26.3 39.5#



#59
2-Hexanone
Concen: 79.833 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.003 min
Lab File: VN067233.D
Acq: 5 Jun 2021 16:25

Tgt Ion: 43 Resp: 209089
Ion Ratio Lower Upper
43 100
58 17.7 29.8 89.5#

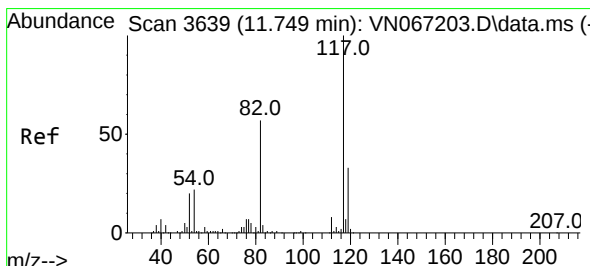
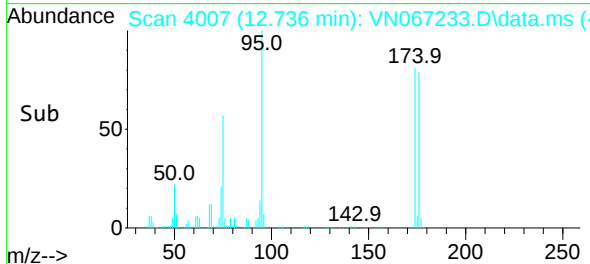
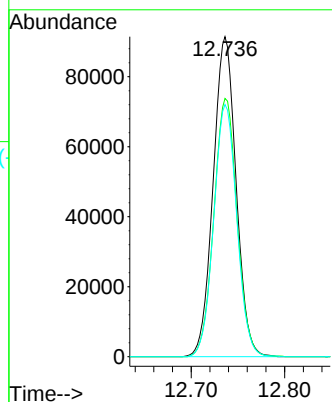
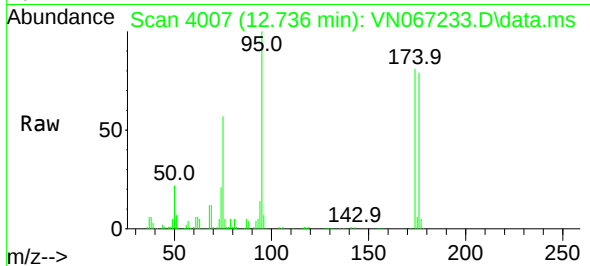




#62
4-Bromofluorobenzene
Concen: 44.218 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.000 min
Lab File: VN067233.D
Acq: 5 Jun 2021 16:25

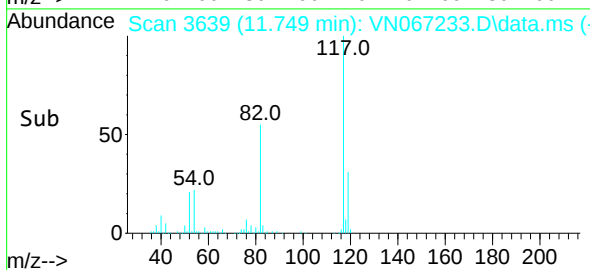
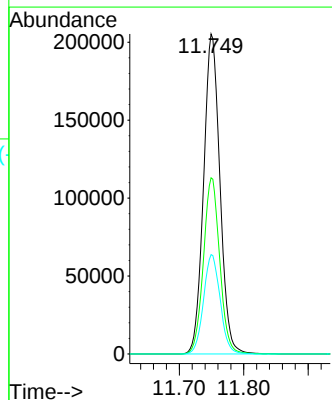
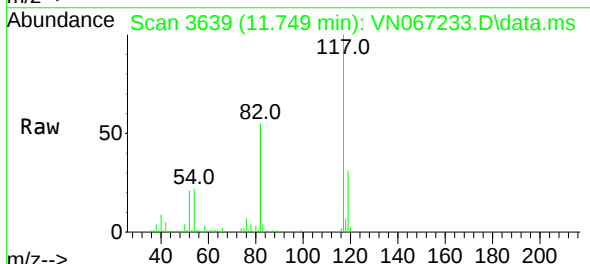
Instrument :
MSVOA_N
ClientSampleId :
18-B11(4-6)

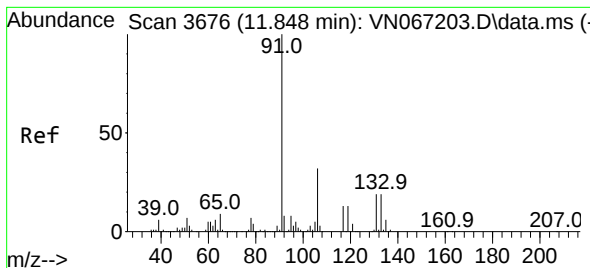
Tgt Ion: 95 Resp: 156188
Ion Ratio Lower Upper
95 100
174 81.7 0.0 182.8
176 79.1 0.0 176.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.000 min
Lab File: VN067233.D
Acq: 5 Jun 2021 16:25

Tgt Ion: 117 Resp: 362145
Ion Ratio Lower Upper
117 100
82 55.0 42.2 63.2
119 31.0 25.8 38.6

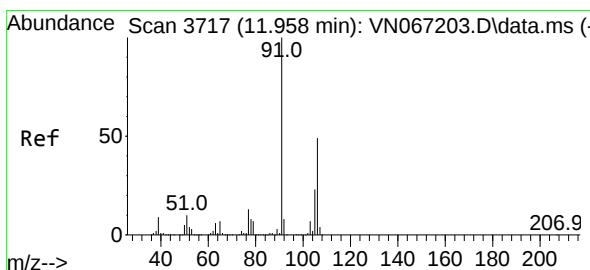
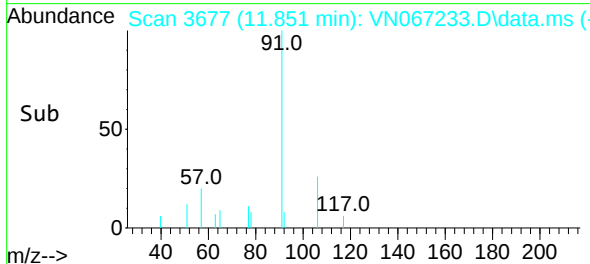
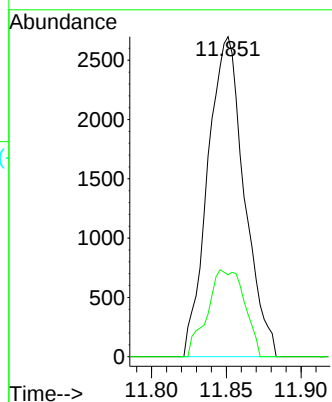
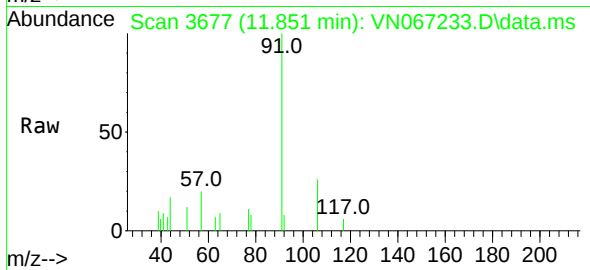




#67
Ethyl Benzene
Concen: 0.323 ug/l
RT: 11.851 min Scan# 3677
Delta R.T. 0.003 min
Lab File: VN067233.D
Acq: 5 Jun 2021 16:25

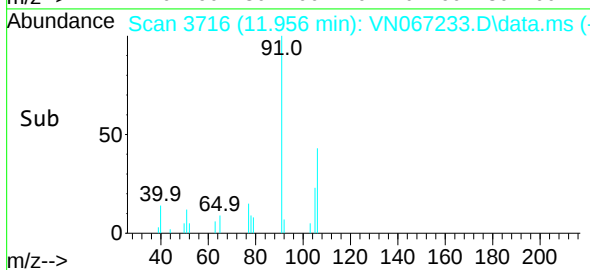
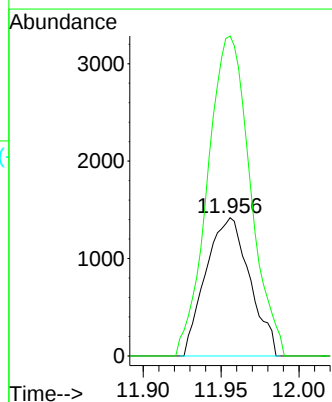
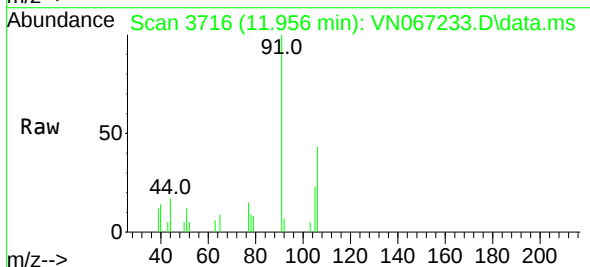
Instrument :
MSVOA_N
ClientSampled :
18-B11(4-6)

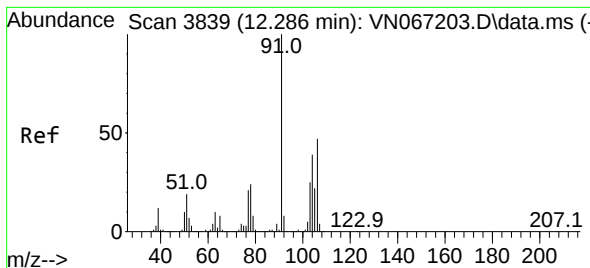
Tgt Ion: 91 Resp: 4585
Ion Ratio Lower Upper
91 100
106 25.6 26.2 39.2#



#68
m/p-Xylenes
Concen: 0.499 ug/l
RT: 11.956 min Scan# 3716
Delta R.T. -0.002 min
Lab File: VN067233.D
Acq: 5 Jun 2021 16:25

Tgt Ion:106 Resp: 2783
Ion Ratio Lower Upper
106 100
91 224.7 155.2 232.8

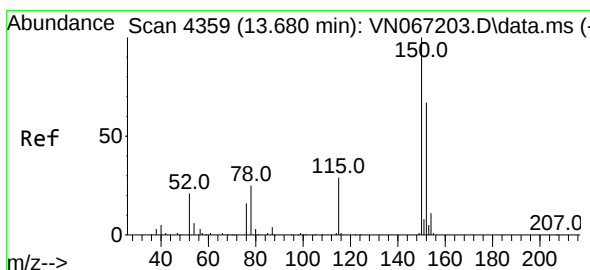
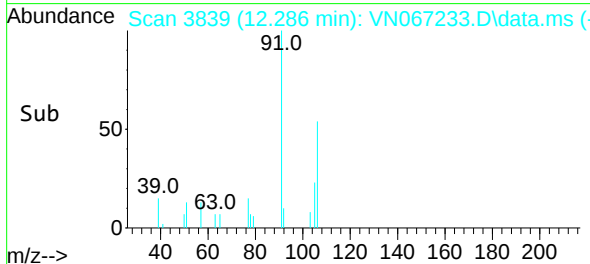
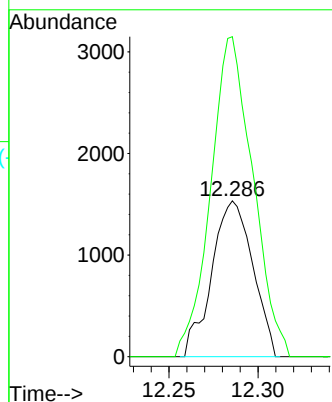
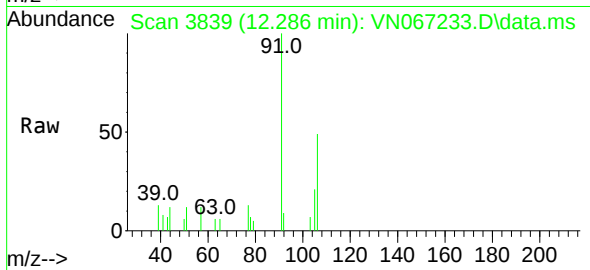




#69
o-Xylene
Concen: 0.452 ug/l
RT: 12.286 min Scan# 3839
Delta R.T. 0.000 min
Lab File: VN067233.D
Acq: 5 Jun 2021 16:25

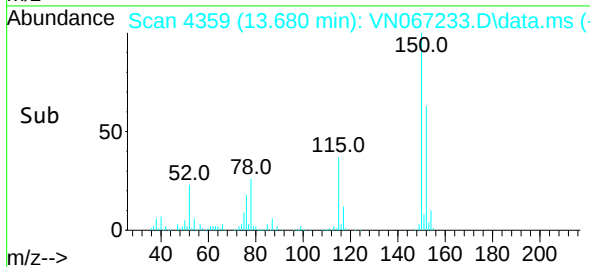
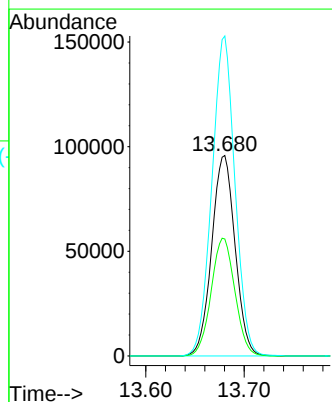
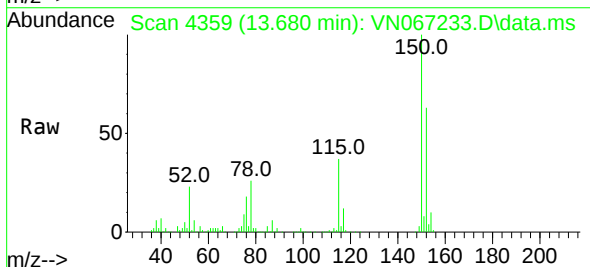
Instrument :
MSVOA_N
ClientSampleId :
18-B11(4-6)

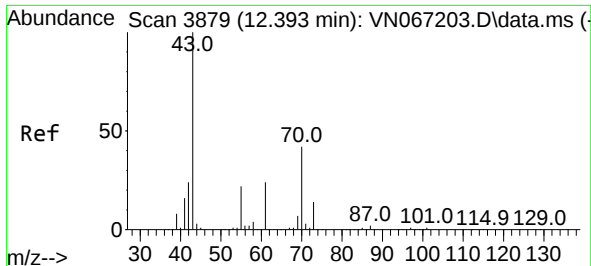
Tgt Ion:106 Resp: 2460
Ion Ratio Lower Upper
106 100
91 210.8 102.3 306.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.680 min Scan# 4359
Delta R.T. 0.000 min
Lab File: VN067233.D
Acq: 5 Jun 2021 16:25

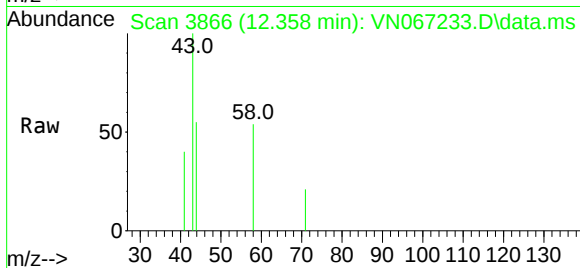
Tgt Ion:152 Resp: 158598
Ion Ratio Lower Upper
152 100
115 59.5 27.0 80.8
150 157.4 0.0 350.2



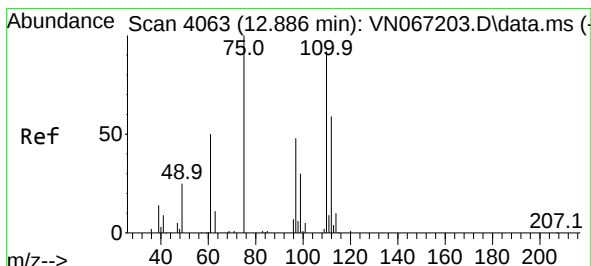
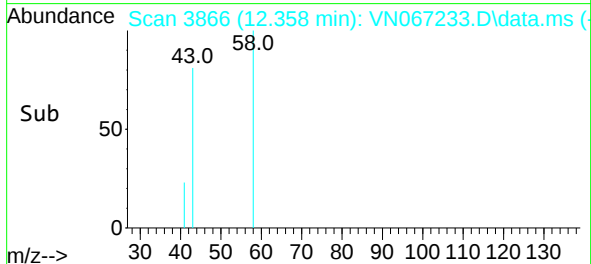
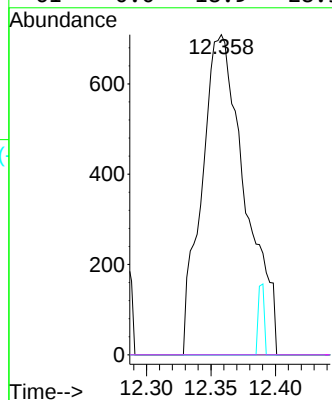


#74
N-amy1 acetate
Concen: 0.341 ug/l
RT: 12.358 min Scan# 3866
Delta R.T. -0.035 min
Lab File: VN067233.D
Acq: 5 Jun 2021 16:25

Instrument :
MSVOA_N
ClientSampleId :
18-B11(4-6)

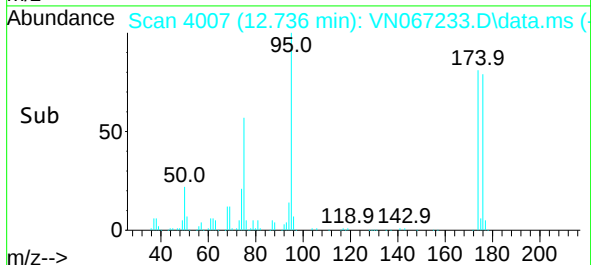
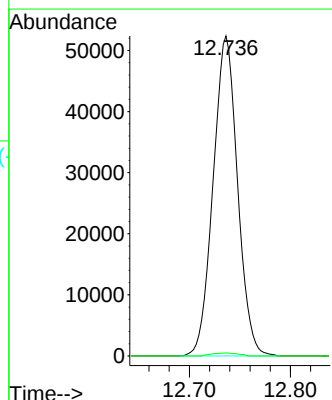
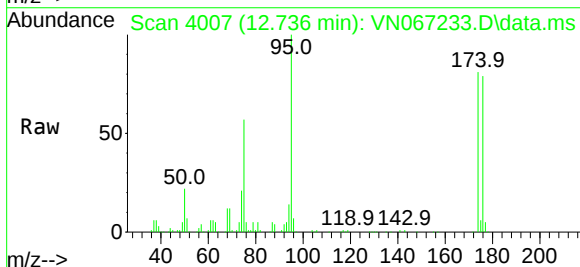


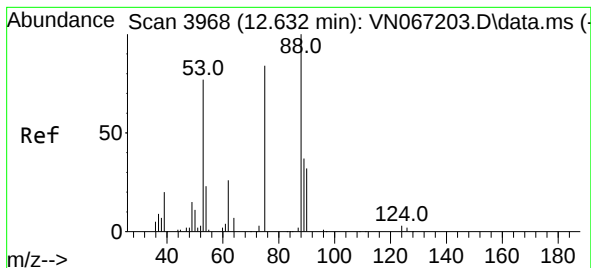
Tgt Ion:	43	Resp:	1660
Ion	Ratio	Lower	Upper
43	100		
70	0.0	36.7	55.1#
55	0.0	17.6	26.4#
61	0.0	18.9	28.3#



#76
1,2,3-Trichloropropane
Concen: 28.782 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. -0.150 min
Lab File: VN067233.D
Acq: 5 Jun 2021 16:25

Tgt Ion:	75	Resp:	87783
Ion	Ratio	Lower	Upper
75	100		
77	1.0	0.0	0.0#

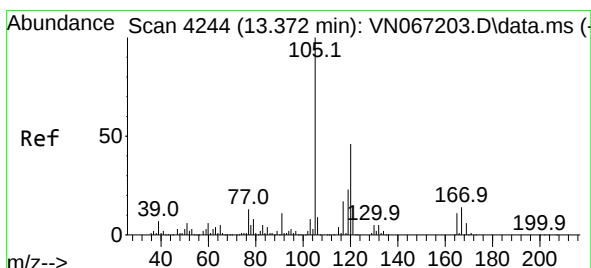
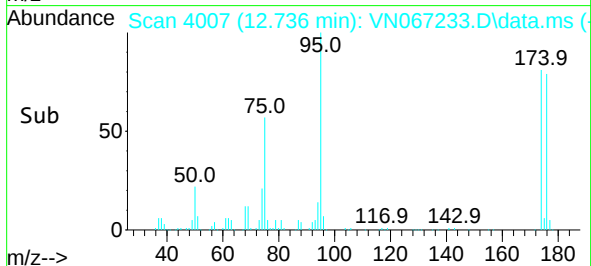
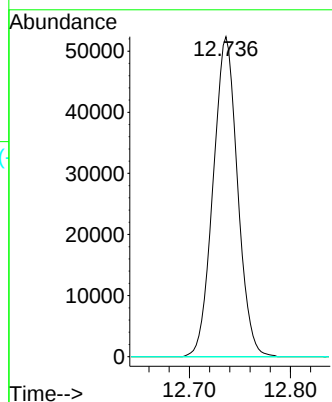
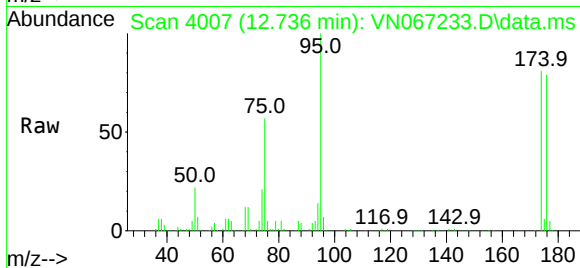




#81
trans-1,4-Dichloro-2-butene
Concen: 70.421 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.105 min
Lab File: VN067233.D
Acq: 5 Jun 2021 16:25

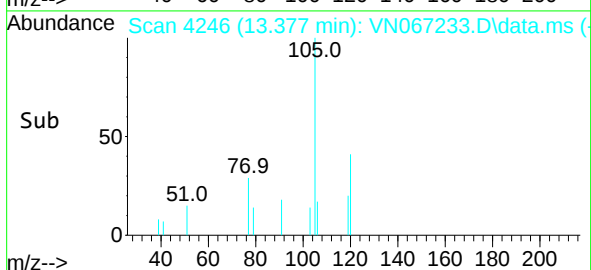
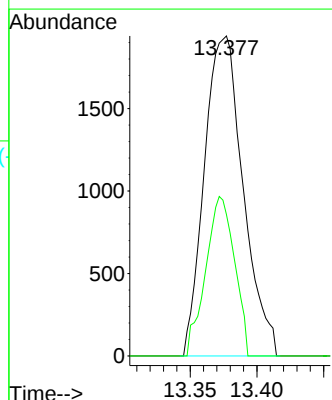
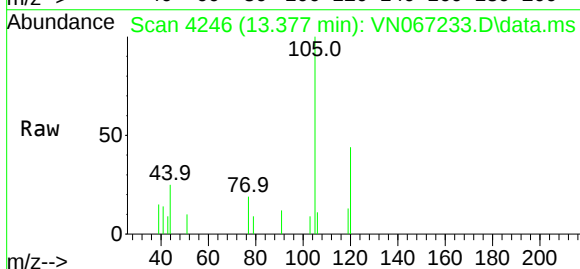
Instrument :
MSVOA_N
ClientSampled :
18-B11(4-6)

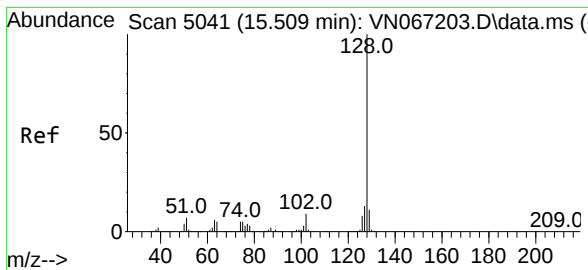
Tgt Ion: 75 Resp: 87783
Ion Ratio Lower Upper
75 100
53 0.0 66.3 99.5#
89 0.0 39.5 59.3#



#84
1,2,4-Trimethylbenzene
Concen: 0.378 ug/l
RT: 13.377 min Scan# 4246
Delta R.T. 0.005 min
Lab File: VN067233.D
Acq: 5 Jun 2021 16:25

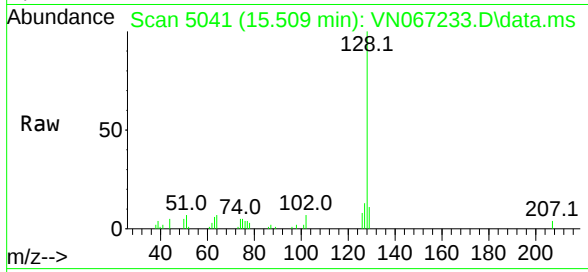
Tgt Ion:105 Resp: 3925
Ion Ratio Lower Upper
105 100
120 36.8 23.8 71.2





#95
Naphthalene
Concen: 8.222 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.000 min
Lab File: VN067233.D
Acq: 5 Jun 2021 16:25

Instrument :
MSVOA_N
ClientSampleId :
18-B11(4-6)



Tgt Ion:128 Resp: 29380
Ion Ratio Lower Upper
128 100
127 14.2 10.2 15.2
129 11.5 8.6 13.0

