

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060421\
 Data File : VN067213.D
 Acq On : 4 Jun 2021 22:24
 Operator : JC/MD
 Sample : M2589-31
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 18-B10(0-2)

Quant Time: Jun 05 05:33:40 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)

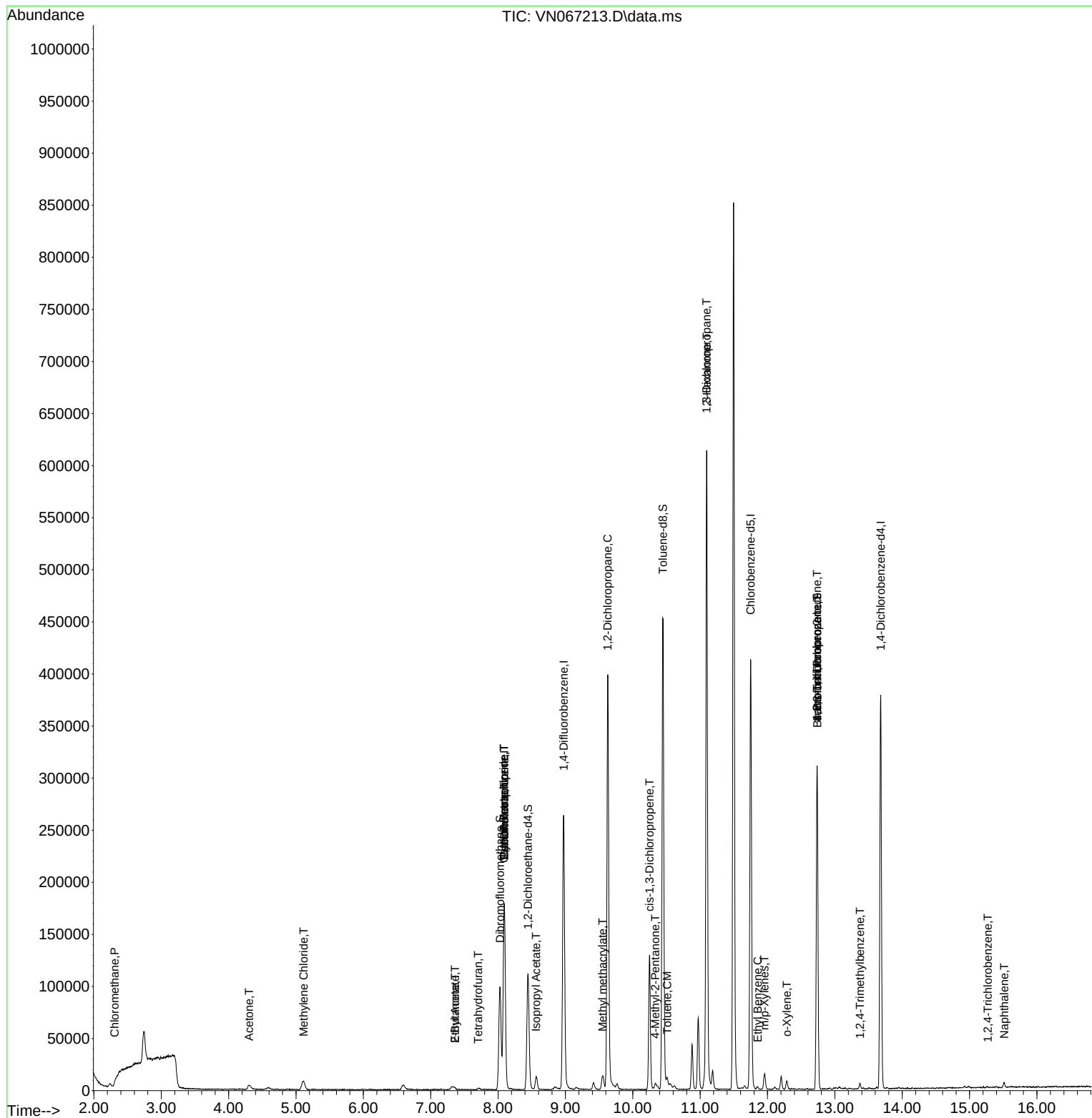
Internal Standards						
1) Pentafluorobenzene	8.094	168	141818	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.973	114	241753	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	235646	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.680	152	96916	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.442	65	90609	46.871	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.740%		
35) Dibromofluoromethane	8.029	113	72242	48.203	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.400%		
50) Toluene-d8	10.446	98	311340	51.008	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	102.020%		
62) 4-Bromofluorobenzene	12.736	95	102675	43.676	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	87.360%		
Target Compounds						Qvalue
3) Chloromethane	2.306	50	548	0.273	ug/l #	42
13) Acrolein	4.047	56	25	Below Cal	#	1
16) Acetone	4.301	43	8186	12.272	ug/l	90
20) Methylene Chloride	5.111	84	6898	4.107	ug/l	93
25) 2-Butanone	7.359	43	2784	2.606	ug/l	97
29) Tetrahydrofuran	7.705	42	582	0.916	ug/l #	59
31) Cyclohexane	8.091	56	3646	1.405	ug/l #	42
36) 1,1-Dichloropropene	8.091	75	11143	4.991	ug/l #	47
37) Ethyl Acetate	7.359	43	2784	1.294	ug/l #	65
38) Carbon Tetrachloride	8.088	117	14387	5.900	ug/l #	15
43) Isopropyl Acetate	8.566	43	15686	3.833	ug/l #	83
45) 1,2-Dichloropropane	9.625	63	428	0.248	ug/l #	45
48) Methyl methacrylate	9.553	41	3836	2.163	ug/l #	25
51) 4-Methyl-2-Pentanone	10.333	43	3726	1.553	ug/l	93
52) Toluene	10.513	92	4039	0.884	ug/l	98
54) cis-1,3-Dichloropropene	10.250	75	23582	7.976	ug/l #	73
57) 1,3-Dichloropropane	11.095	76	6854	2.398	ug/l #	42
59) 2-Hexanone	11.097	43	103149	59.176	ug/l #	43
67) Ethyl Benzene	11.854	91	2168	0.235	ug/l	89
68) m/p-Xylenes	11.956	106	5138	1.416	ug/l	90
69) o-Xylene	12.288	106	2224	0.627	ug/l	90
71) Bromoform	12.739	173	863	0.548	ug/l #	1
76) 1,2,3-Trichloropropane	12.736	75	57904	31.068	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.736	75	57904	76.015	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.374	105	3406	0.536	ug/l	95
93) 1,2,4-Trichlorobenzene	15.271	180	395	0.272	ug/l #	79
95) Naphthalene	15.515	128	4053	5.282	ug/l	97

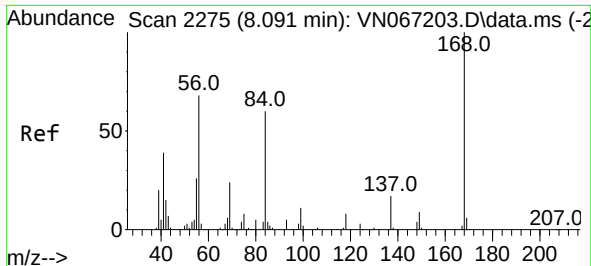
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

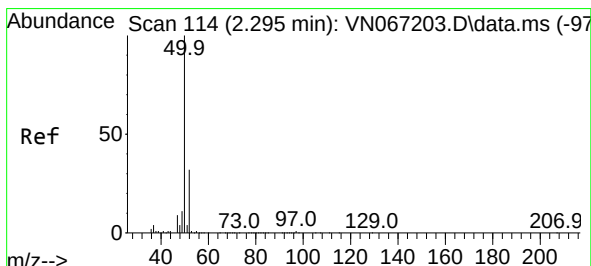
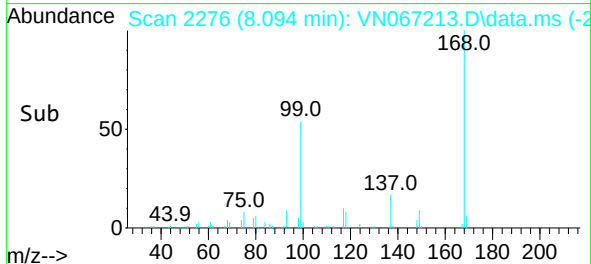
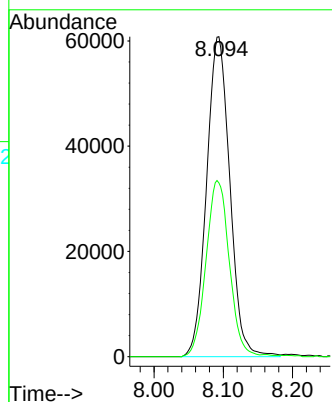
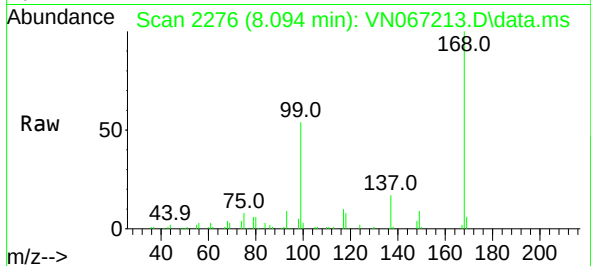




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.094 min Scan# 2276
Delta R.T. 0.003 min
Lab File: VN067213.D
Acq: 4 Jun 2021 22:24

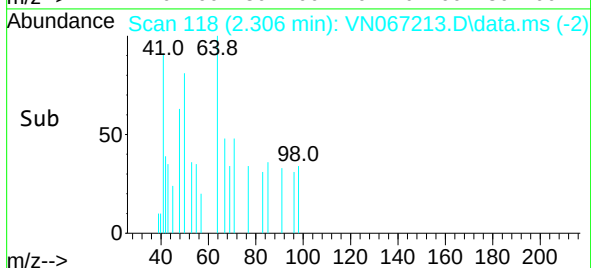
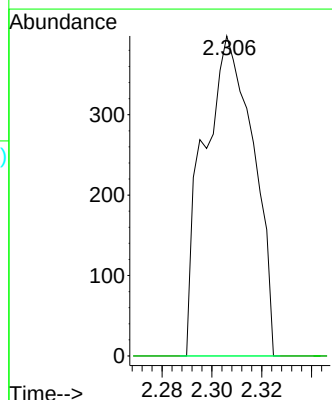
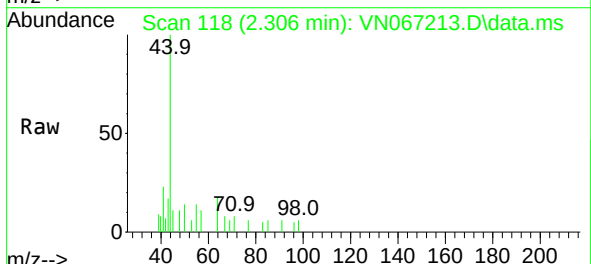
Instrument :
MSVOA_N
ClientSampleId :
18-B10(0-2)

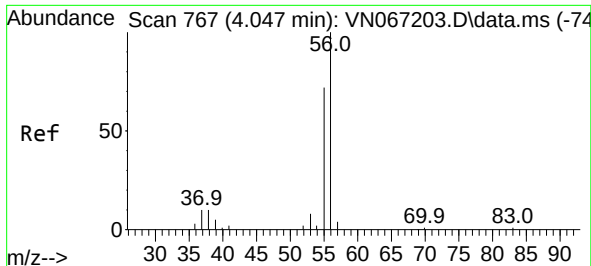
Tgt Ion:168 Resp: 141818
Ion Ratio Lower Upper
168 100
99 54.3 38.5 57.7



#3
Chloromethane
Concen: 0.273 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.011 min
Lab File: VN067213.D
Acq: 4 Jun 2021 22:24

Tgt Ion: 50 Resp: 548
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

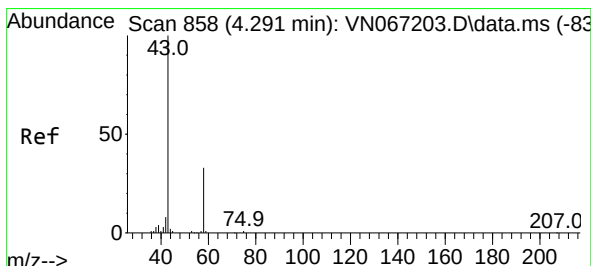
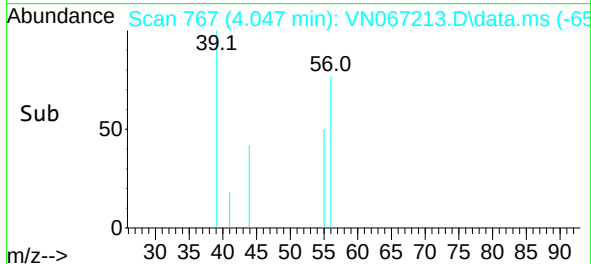
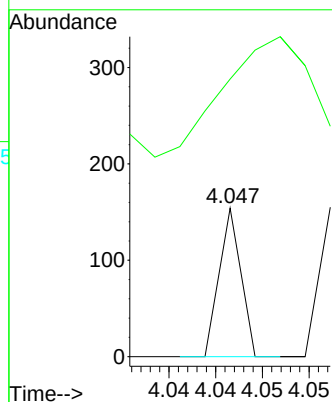
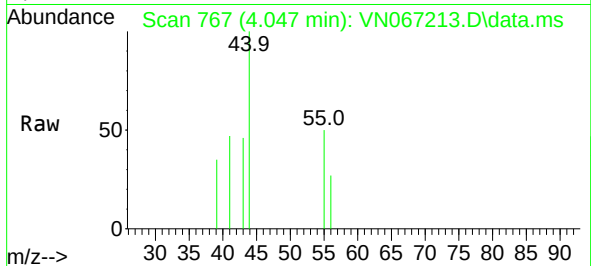




#13
Acrolein
Concen: Below Cal
RT: 4.047 min Scan# 767
Delta R.T. -0.000 min
Lab File: VN067213.D
Acq: 4 Jun 2021 22:24

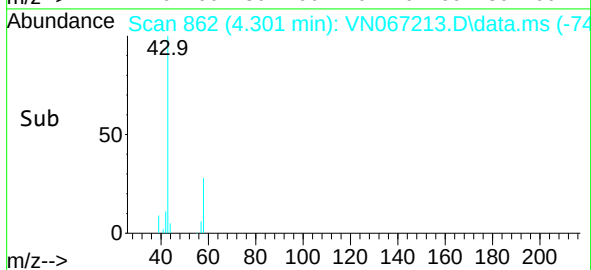
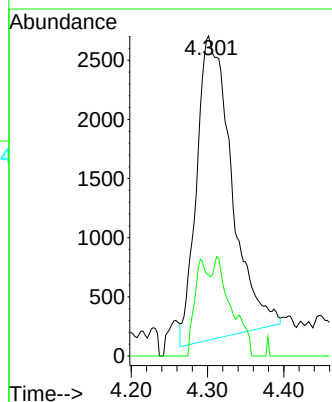
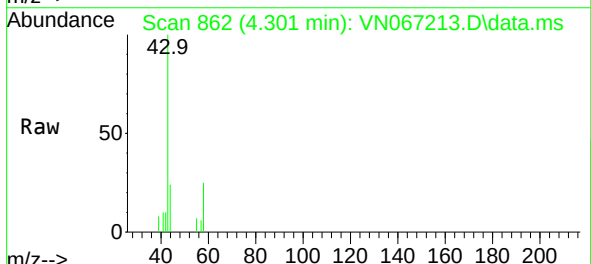
Instrument :
MSVOA_N
ClientSampleId :
18-B10(0-2)

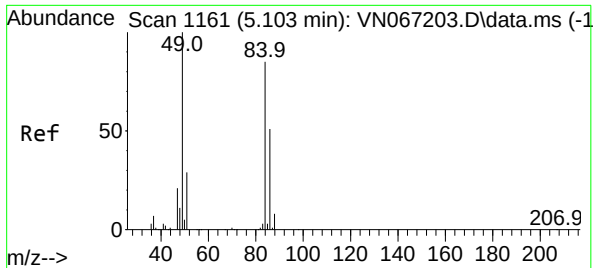
Tgt Ion: 56 Resp: 25
Ion Ratio Lower Upper
56 100
55 364.0 53.8 80.6#



#16
Acetone
Concen: 12.272 ug/l
RT: 4.301 min Scan# 862
Delta R.T. 0.010 min
Lab File: VN067213.D
Acq: 4 Jun 2021 22:24

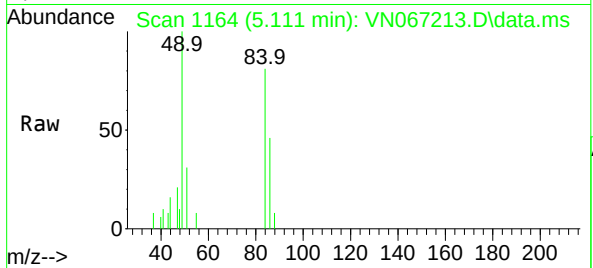
Tgt Ion: 43 Resp: 8186
Ion Ratio Lower Upper
43 100
58 28.3 27.2 40.8



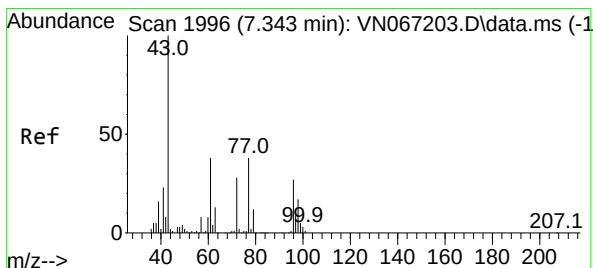
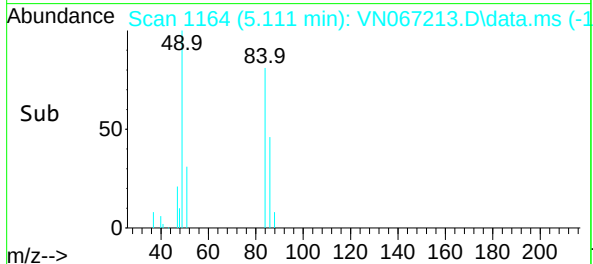
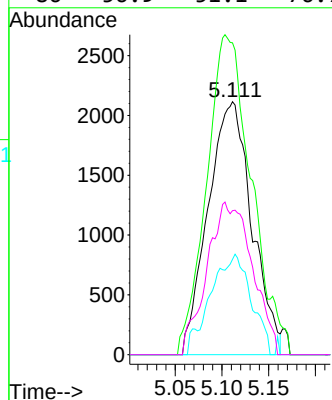


#20
Methylene Chloride
Concen: 4.107 ug/l
RT: 5.111 min Scan# 1164
Delta R.T. 0.008 min
Lab File: VN067213.D
Acq: 4 Jun 2021 22:24

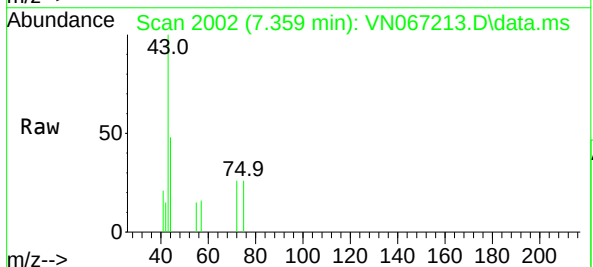
Instrument :
MSVOA_N
ClientSampleId :
18-B10(0-2)



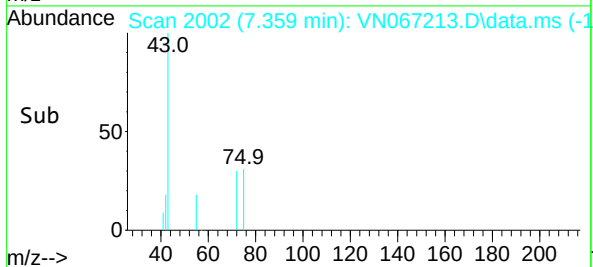
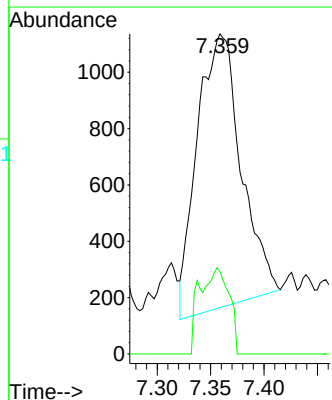
Tgt Ion:	84	Resp:	6898
Ion	Ratio	Lower	Upper
84	100		
49	116.2	88.3	132.5
51	37.7	26.7	40.1
86	56.9	51.1	76.7

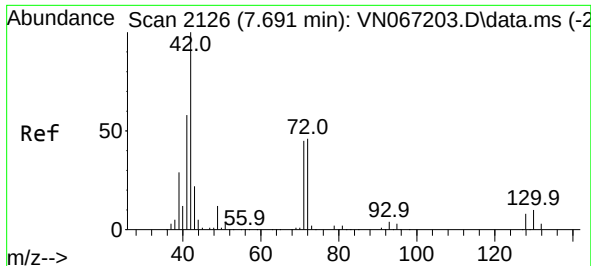


#25
2-Butanone
Concen: 2.606 ug/l
RT: 7.359 min Scan# 2002
Delta R.T. 0.016 min
Lab File: VN067213.D
Acq: 4 Jun 2021 22:24



Tgt Ion:	43	Resp:	2784
Ion	Ratio	Lower	Upper
43	100		
72	32.2	24.4	36.6





#29

Tetrahydrofuran

Concen: 0.916 ug/l

RT: 7.705 min Scan# 2131

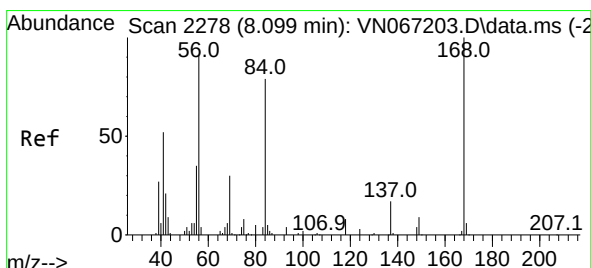
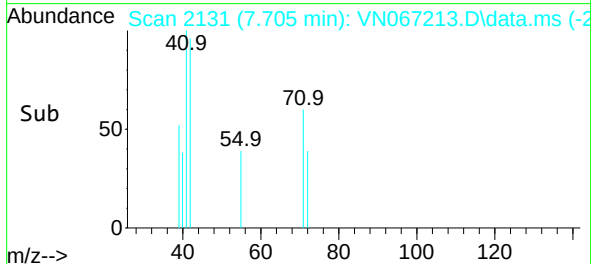
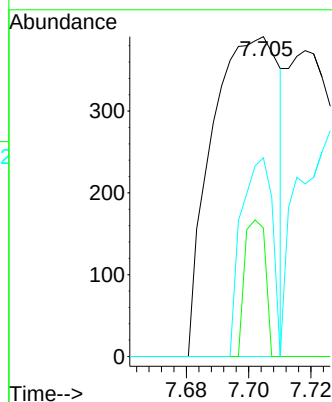
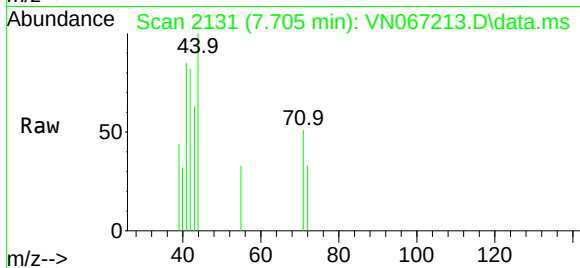
Delta R.T. 0.014 min

Lab File: VN067213.D

Acq: 4 Jun 2021 22:24

Tgt Ion:	42	Resp:	582
Ion	Ratio	Lower	Upper
42	100		
72	13.2	40.1	60.1#
71	28.7	37.9	56.9#

Instrument :
MSVOA_N
ClientSampleId :
18-B10(0-2)



#31

Cyclohexane

Concen: 1.405 ug/l

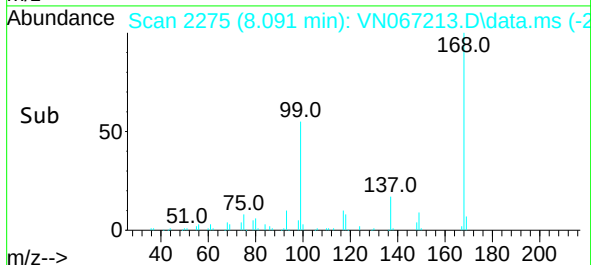
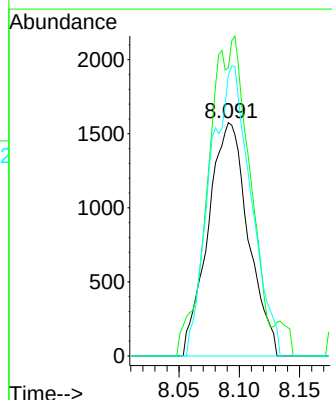
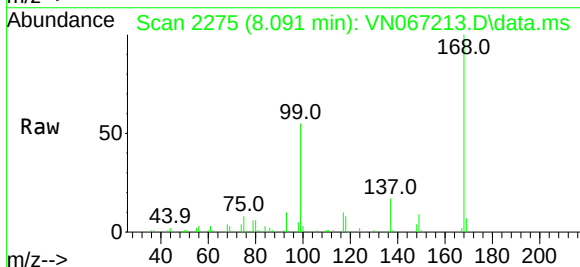
RT: 8.091 min Scan# 2275

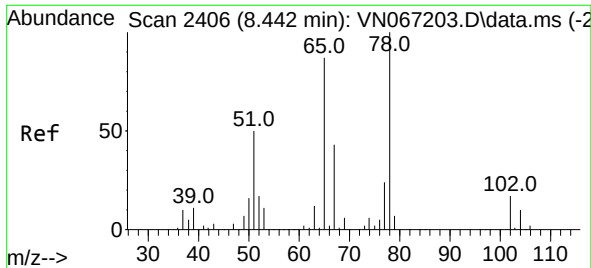
Delta R.T. -0.008 min

Lab File: VN067213.D

Acq: 4 Jun 2021 22:24

Tgt Ion:	56	Resp:	3646
Ion	Ratio	Lower	Upper
56	100		
69	113.9	28.0	42.0#
84	120.5	74.2	111.2#

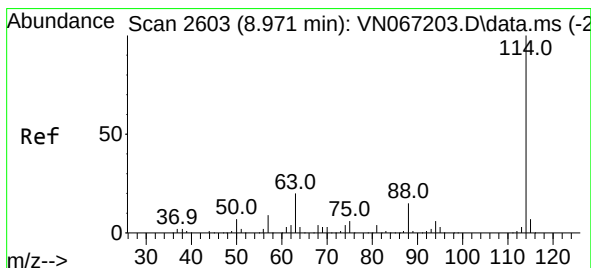
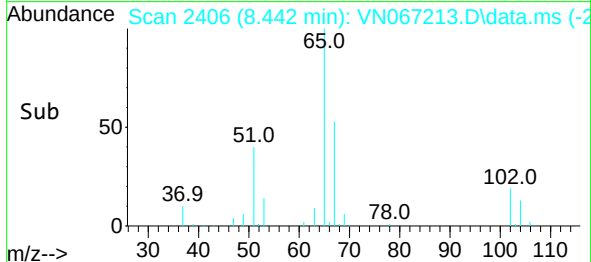
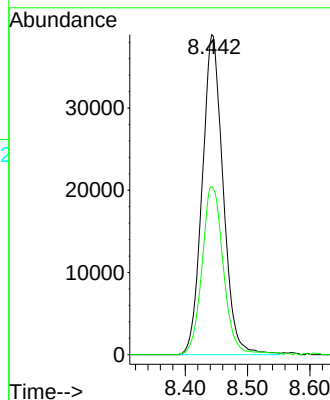
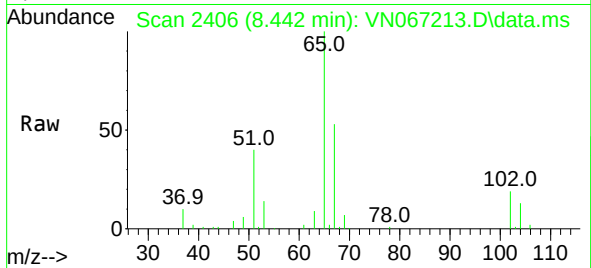




#33
 1,2-Dichloroethane-d4
 Concen: 46.871 ug/l
 RT: 8.442 min Scan# 2406
 Delta R.T. -0.000 min
 Lab File: VN067213.D
 Acq: 4 Jun 2021 22:24

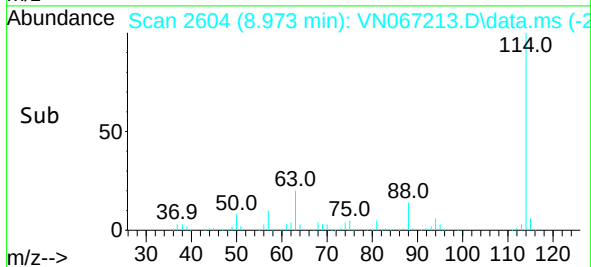
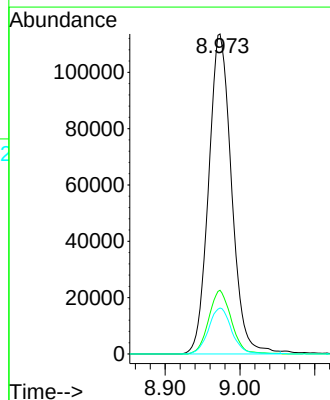
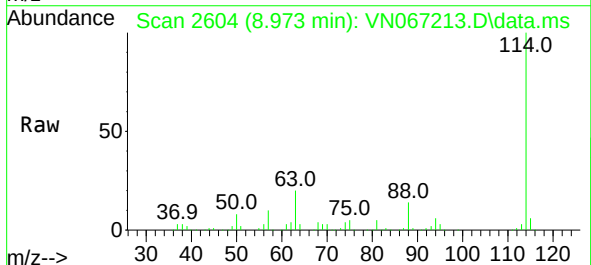
Instrument :
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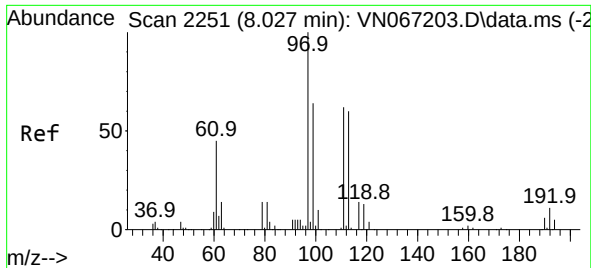
Tgt Ion: 65 Resp: 90609
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.973 min Scan# 2604
 Delta R.T. 0.003 min
 Lab File: VN067213.D
 Acq: 4 Jun 2021 22:24

Tgt Ion: 114 Resp: 241753
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 35.8
 88 14.4 0.0 30.4

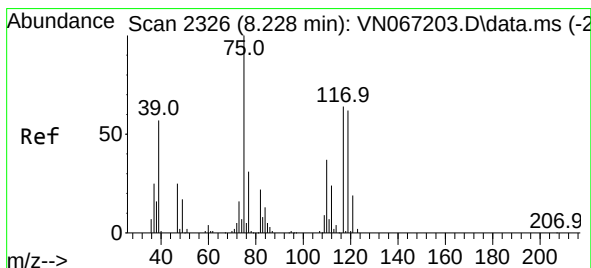
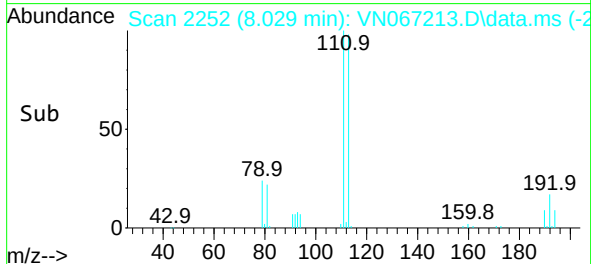
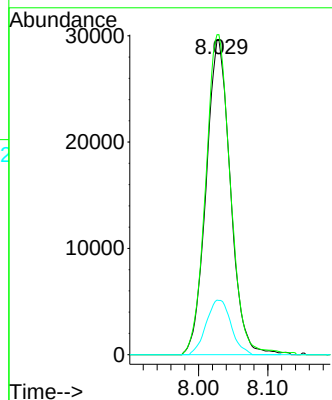
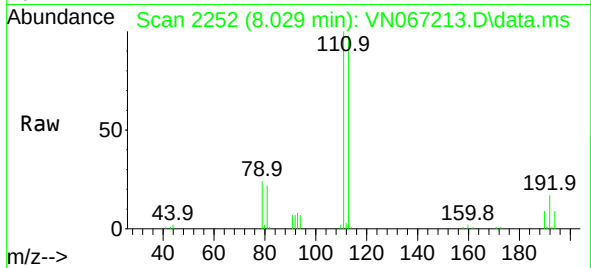




#35
Dibromofluoromethane
Concen: 48.203 ug/l
RT: 8.029 min Scan# 2252
Delta R.T. 0.003 min
Lab File: VN067213.D
Acq: 4 Jun 2021 22:24

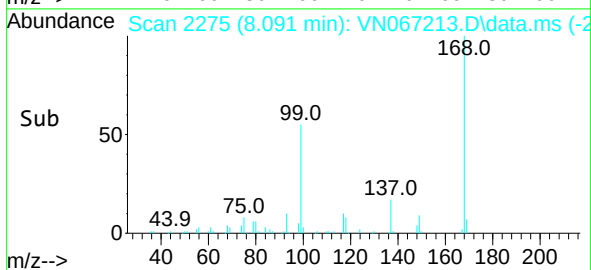
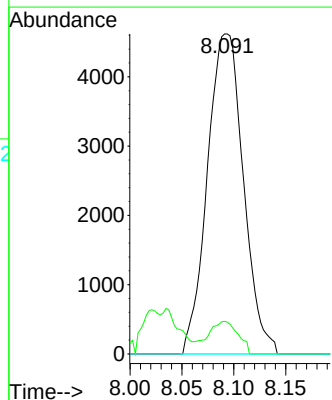
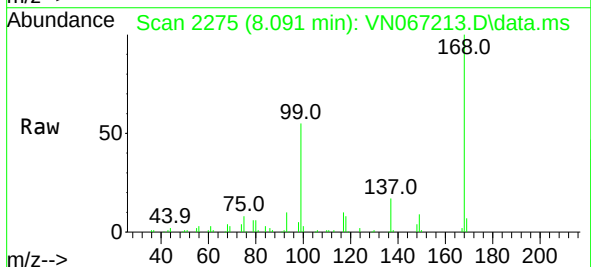
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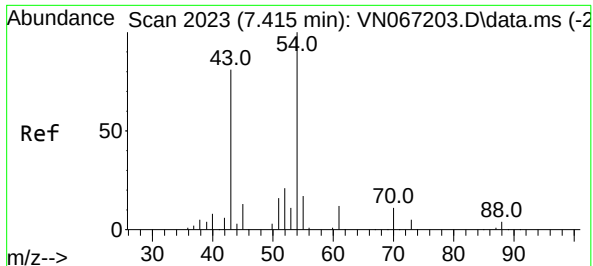
Tgt Ion:113 Resp: 72242
Ion Ratio Lower Upper
113 100
111 103.7 82.6 124.0
192 17.7 18.2 27.4#



#36
1,1-Dichloropropene
Concen: 4.991 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.137 min
Lab File: VN067213.D
Acq: 4 Jun 2021 22:24

Tgt Ion: 75 Resp: 11143
Ion Ratio Lower Upper
75 100
110 7.8 19.1 57.3#
77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 1.294 ug/l

RT: 7.359 min Scan# 2002

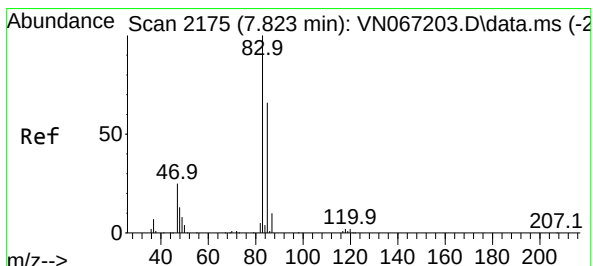
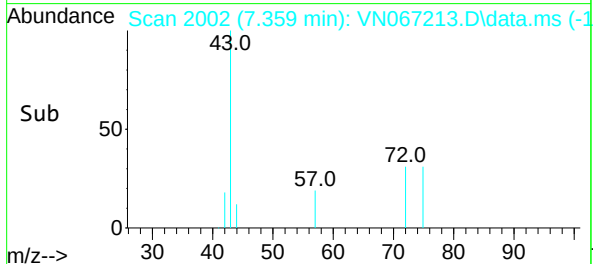
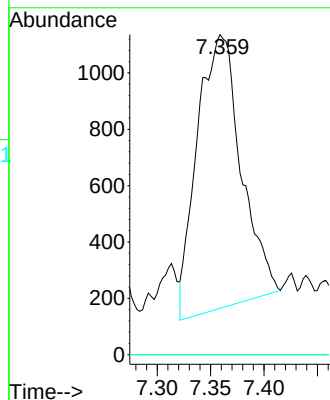
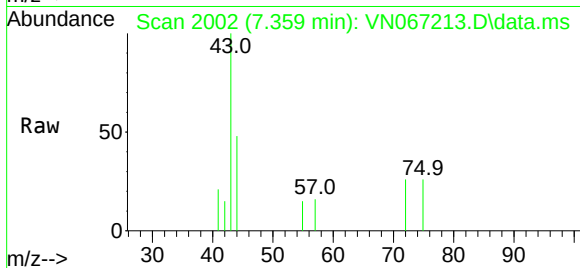
Delta R.T. -0.056 min

Lab File: VN067213.D

Acq: 4 Jun 2021 22:24

Tgt Ion:	43	Resp:	2784
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-B10(0-2)



#38

Carbon Tetrachloride

Concen: 5.900 ug/l

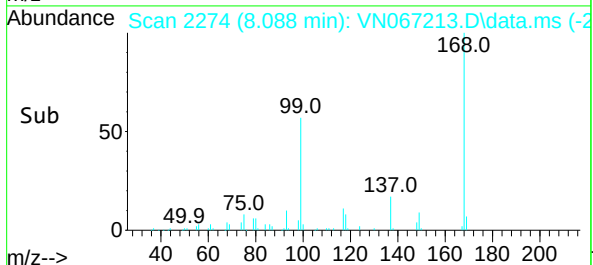
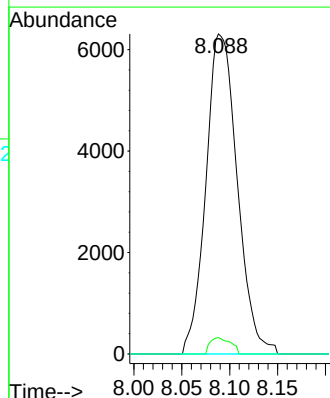
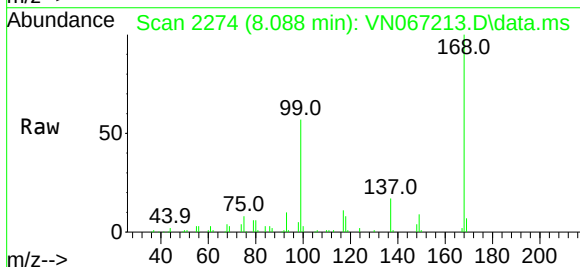
RT: 8.088 min Scan# 2274

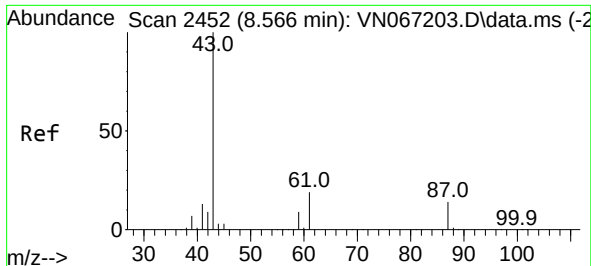
Delta R.T. -0.123 min

Lab File: VN067213.D

Acq: 4 Jun 2021 22:24

Tgt Ion:	117	Resp:	14387
Ion	Ratio	Lower	Upper
117	100		
119	5.1	78.2	117.2#
121	0.0	24.7	37.1#

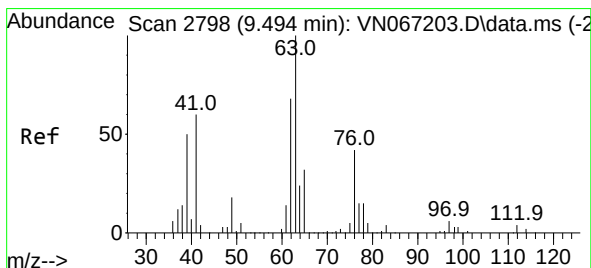
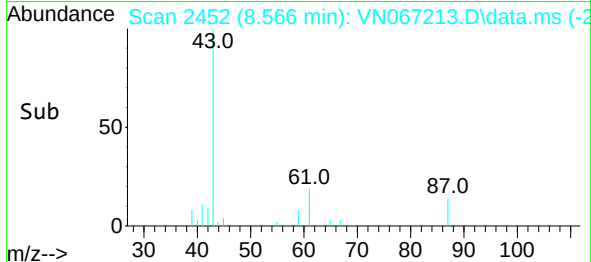
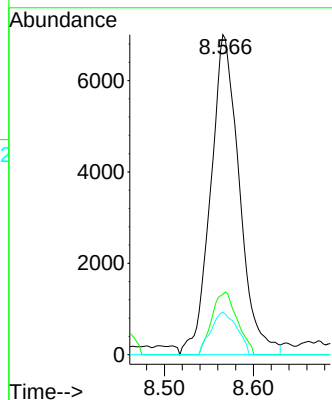
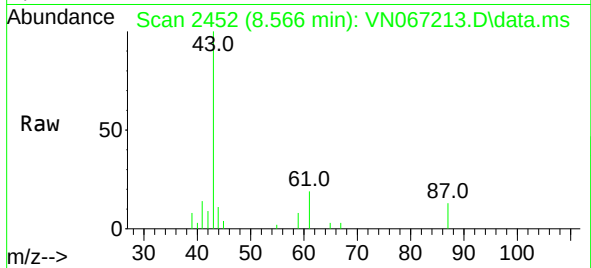




#43
Isopropyl Acetate
Concen: 3.833 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. -0.000 min
Lab File: VN067213.D
Acq: 4 Jun 2021 22:24

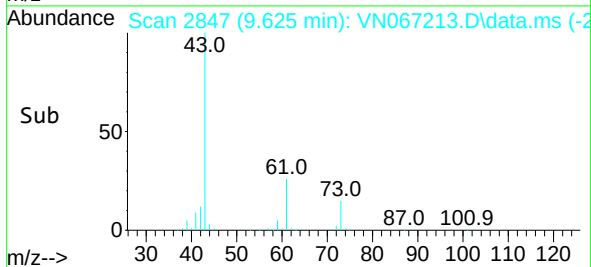
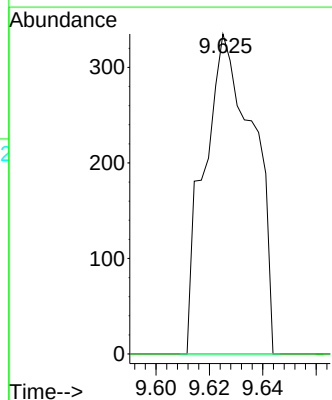
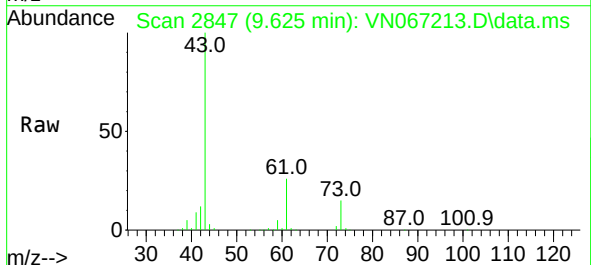
Instrument :
MSVOA_N
ClientSampleId :
18-B10(0-2)

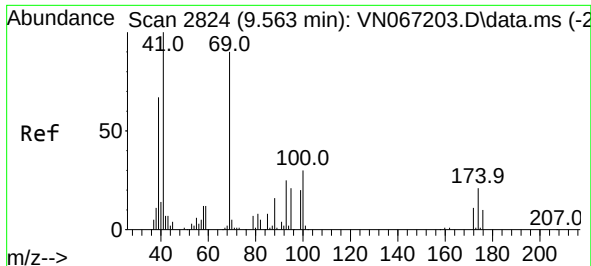
Tgt Ion: 43 Resp: 15686
Ion Ratio Lower Upper
43 100
61 17.4 23.4 35.0#
87 12.1 12.2 18.2#



#45
1,2-Dichloropropane
Concen: 0.248 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.131 min
Lab File: VN067213.D
Acq: 4 Jun 2021 22:24

Tgt Ion: 63 Resp: 428
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#

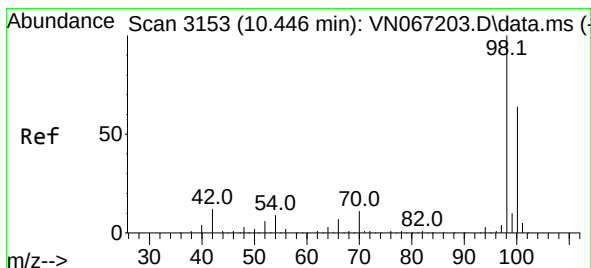
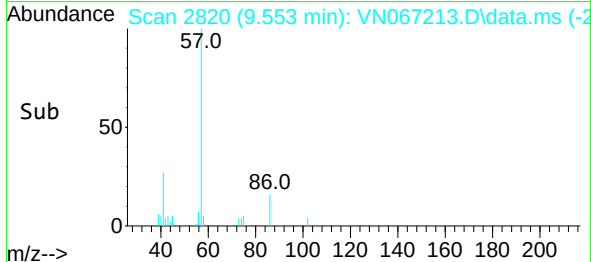
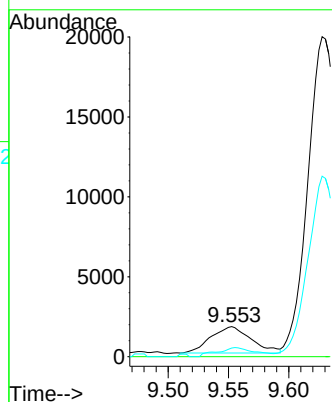
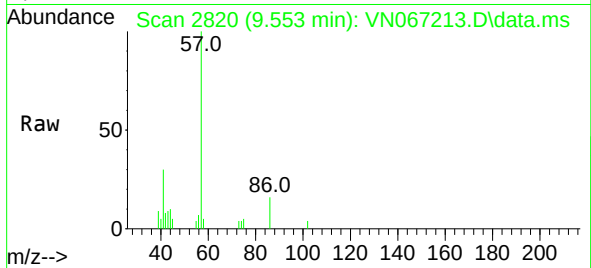




#48
Methyl methacrylate
Concen: 2.163 ug/l
RT: 9.553 min Scan# 2820
Delta R.T. -0.011 min
Lab File: VN067213.D
Acq: 4 Jun 2021 22:24

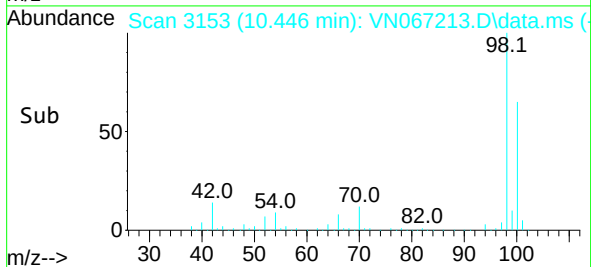
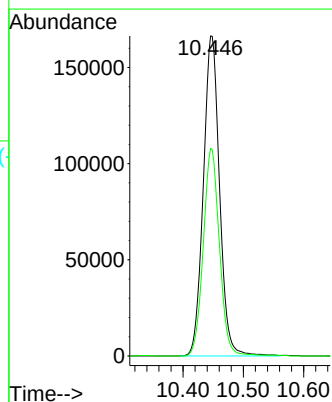
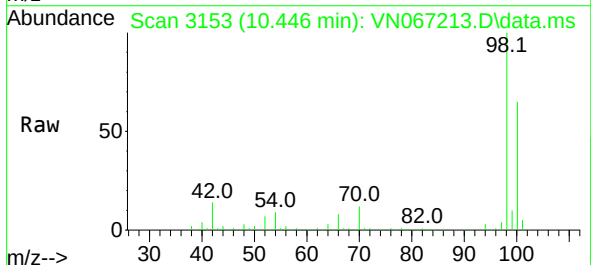
Instrument :
MSVOA_N
ClientSampled :
18-B10(0-2)

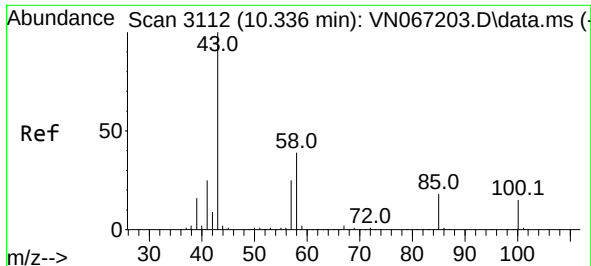
Tgt Ion: 41 Resp: 3836
Ion Ratio Lower Upper
41 100
69 0.0 80.5 120.7#
39 32.7 41.4 62.0#



#50
Toluene-d8
Concen: 51.008 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. -0.000 min
Lab File: VN067213.D
Acq: 4 Jun 2021 22:24

Tgt Ion: 98 Resp: 311340
Ion Ratio Lower Upper
98 100
100 64.4 51.8 77.8

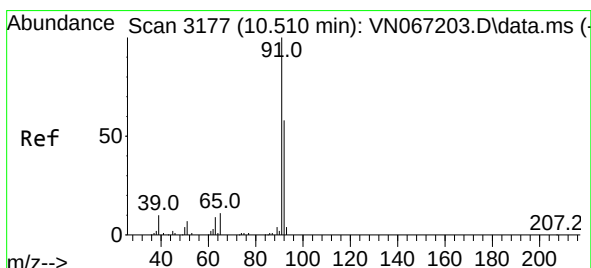
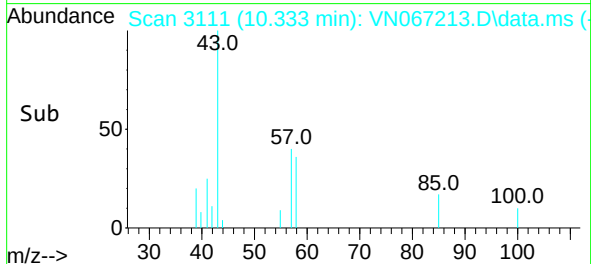
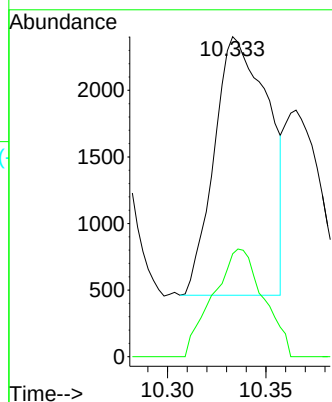
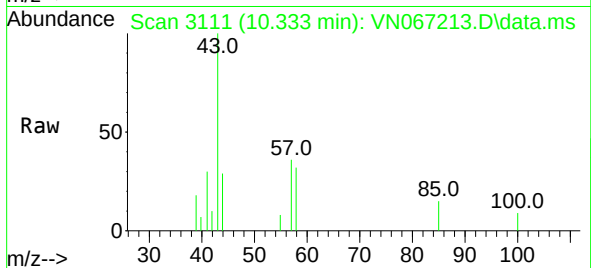




#51
4-Methyl-2-Pentanone
Concen: 1.553 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. -0.003 min
Lab File: VN067213.D
Acq: 4 Jun 2021 22:24

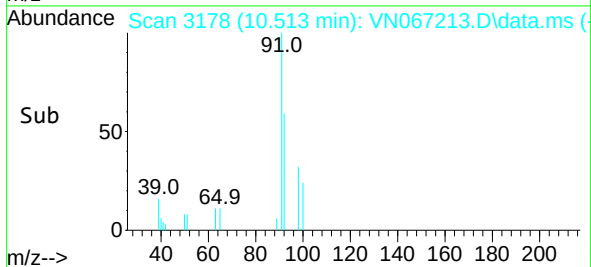
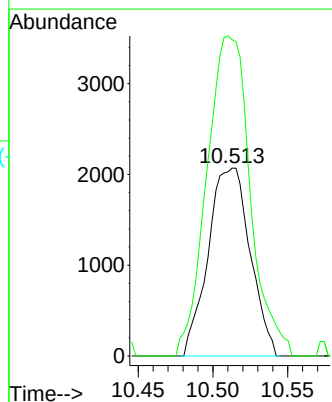
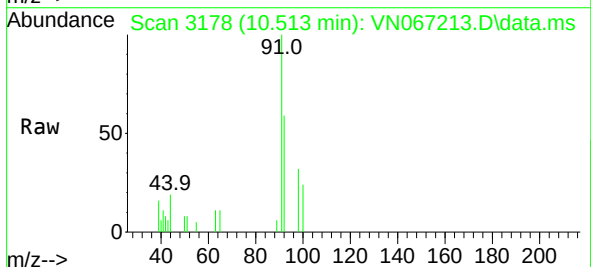
Instrument :
MSVOA_N
ClientSampleId :
18-B10(0-2)

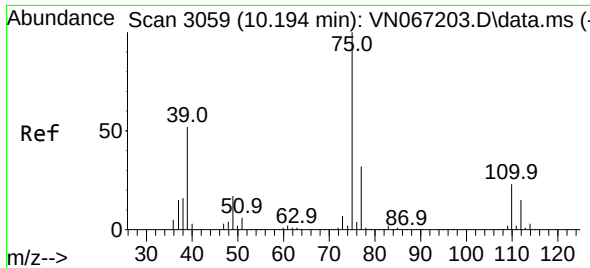
Tgt Ion: 43 Resp: 3726
Ion Ratio Lower Upper
43 100
58 38.5 34.5 51.7



#52
Toluene
Concen: 0.884 ug/l
RT: 10.513 min Scan# 3178
Delta R.T. 0.003 min
Lab File: VN067213.D
Acq: 4 Jun 2021 22:24

Tgt Ion: 92 Resp: 4039
Ion Ratio Lower Upper
92 100
91 176.5 138.7 208.1

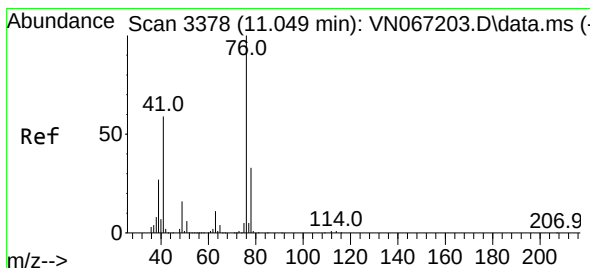
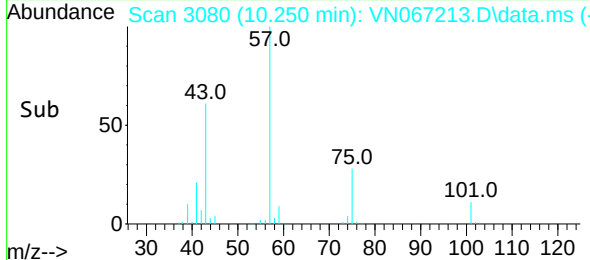
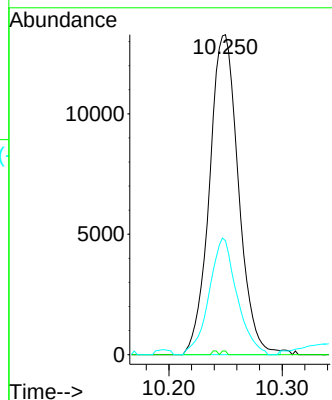
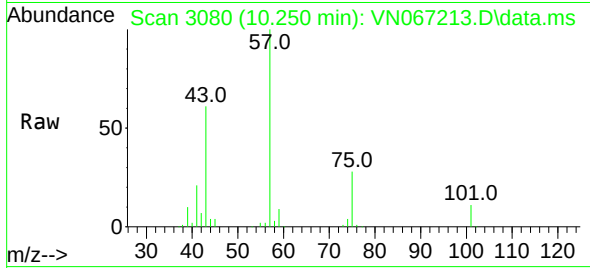




#54
 cis-1,3-Dichloropropene
 Concen: 7.976 ug/l
 RT: 10.250 min Scan# 3080
 Delta R.T. 0.056 min
 Lab File: VN067213.D
 Acq: 4 Jun 2021 22:24

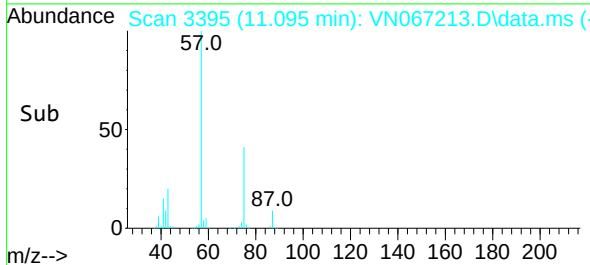
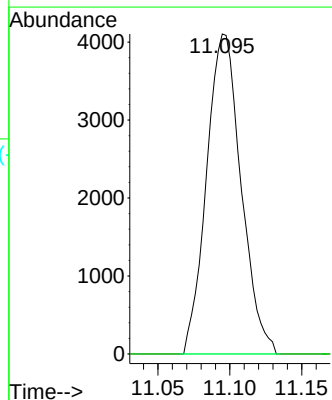
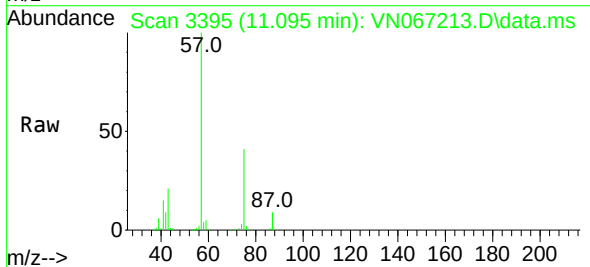
Instrument :
 MSVOA_N
 ClientSampleId :
 18-B10(0-2)

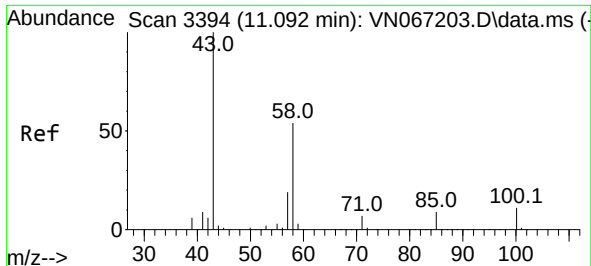
Tgt Ion: 75 Resp: 23582
 Ion Ratio Lower Upper
 75 100
 77 1.1 25.1 37.7#
 39 35.6 30.9 46.3



#57
 1,3-Dichloropropane
 Concen: 2.398 ug/l
 RT: 11.095 min Scan# 3395
 Delta R.T. 0.046 min
 Lab File: VN067213.D
 Acq: 4 Jun 2021 22:24

Tgt Ion: 76 Resp: 6854
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#

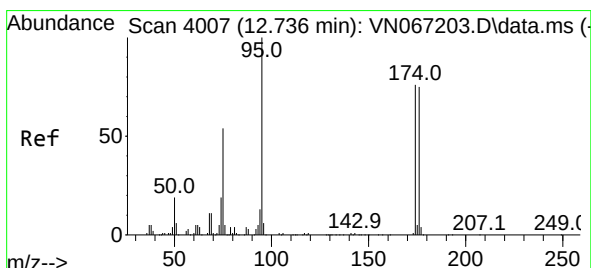
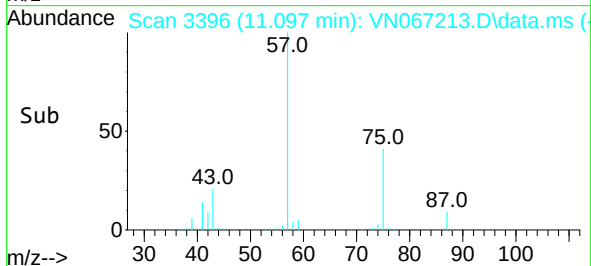
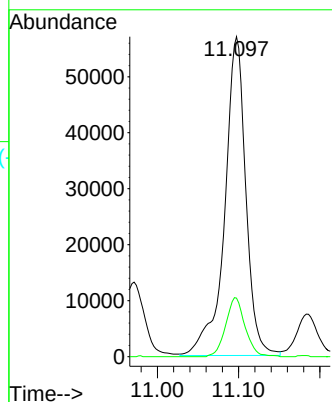
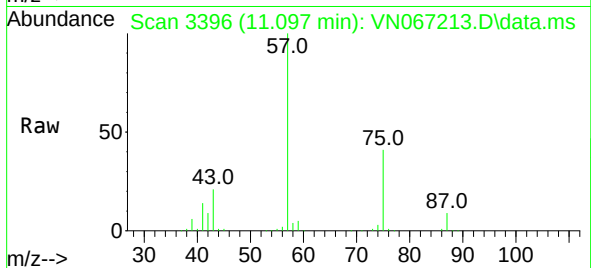




#59
2-Hexanone
Concen: 59.176 ug/l
RT: 11.097 min Scan# 3396
Delta R.T. 0.005 min
Lab File: VN067213.D
Acq: 4 Jun 2021 22:24

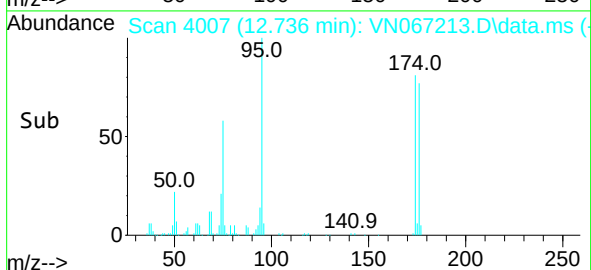
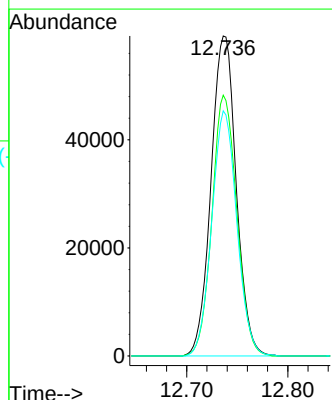
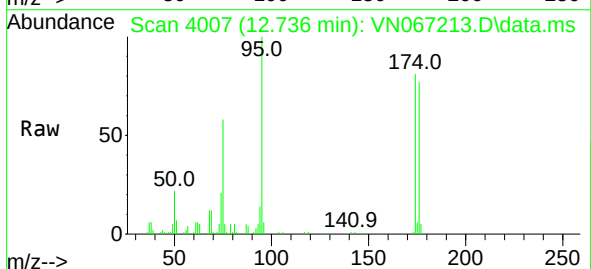
Instrument :
MSVOA_N
ClientSampled :
18-B10(0-2)

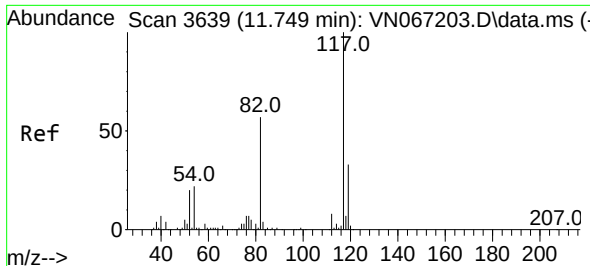
Tgt Ion: 43 Resp: 103149
Ion Ratio Lower Upper
43 100
58 17.0 29.8 89.5#



#62
4-Bromofluorobenzene
Concen: 43.676 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. -0.000 min
Lab File: VN067213.D
Acq: 4 Jun 2021 22:24

Tgt Ion: 95 Resp: 102675
Ion Ratio Lower Upper
95 100
174 80.3 0.0 182.8
176 76.1 0.0 176.6

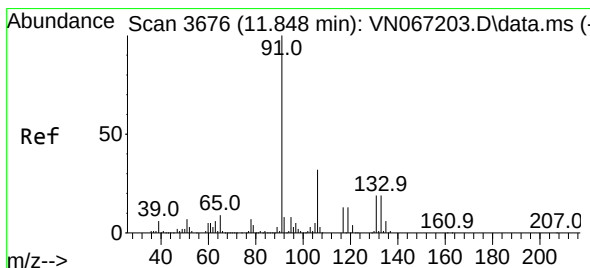
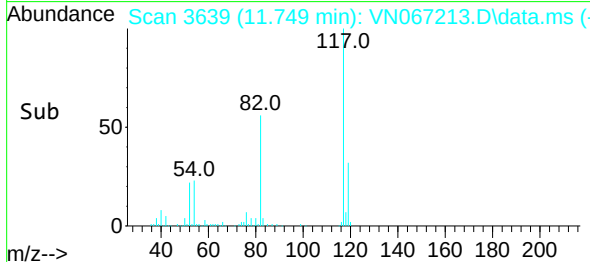
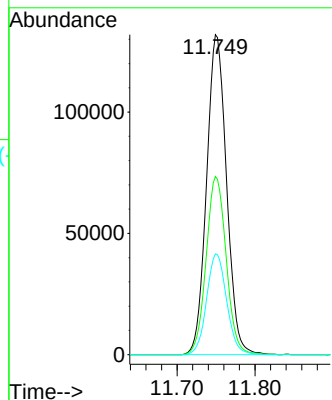
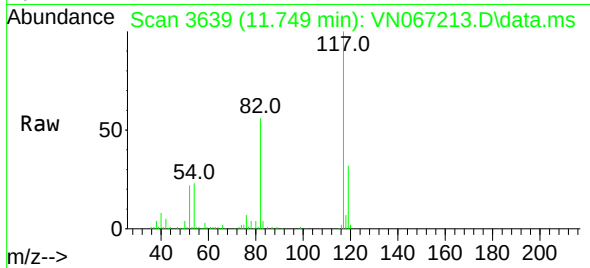




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. -0.000 min
Lab File: VN067213.D
Acq: 4 Jun 2021 22:24

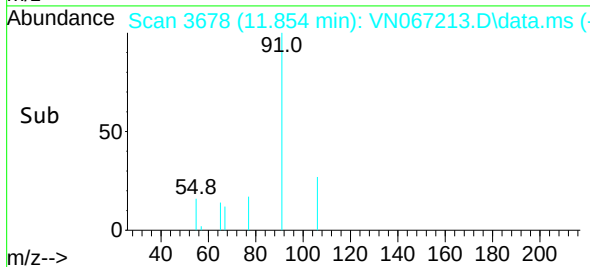
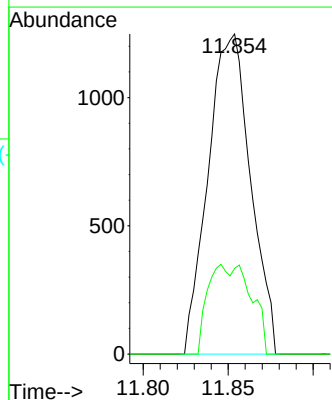
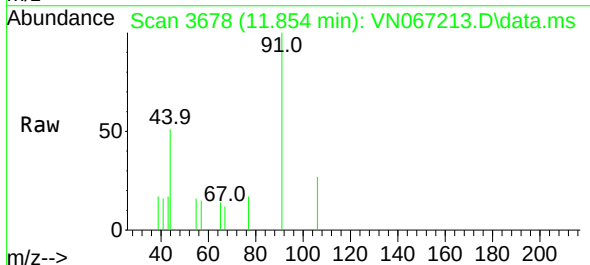
Instrument :
MSVOA_N
ClientSampleId :
18-B10(0-2)

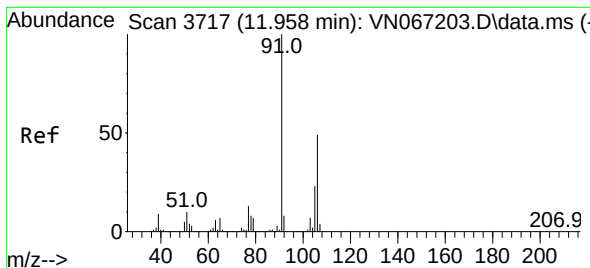
Tgt Ion:117 Resp: 235646
Ion Ratio Lower Upper
117 100
82 55.7 42.2 63.2
119 31.5 25.8 38.6



#67
Ethyl Benzene
Concen: 0.235 ug/l
RT: 11.854 min Scan# 3678
Delta R.T. 0.005 min
Lab File: VN067213.D
Acq: 4 Jun 2021 22:24

Tgt Ion: 91 Resp: 2168
Ion Ratio Lower Upper
91 100
106 26.8 26.2 39.2

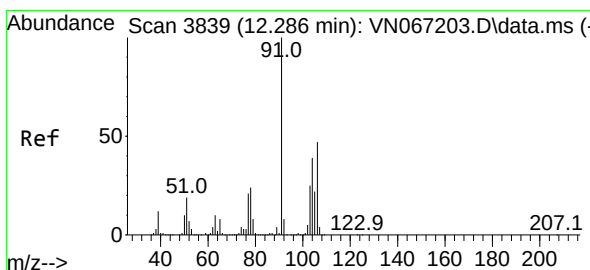
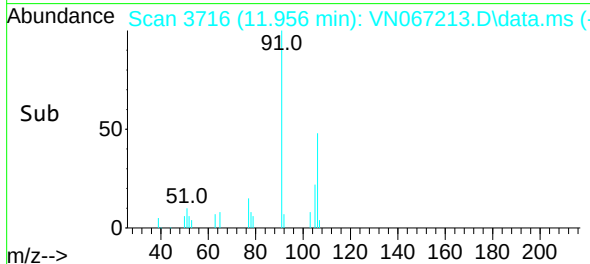
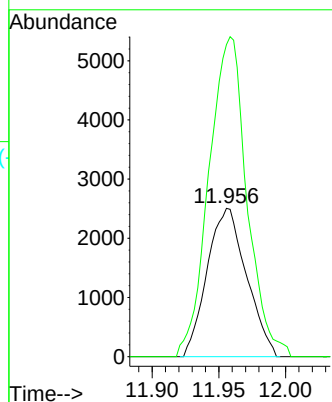
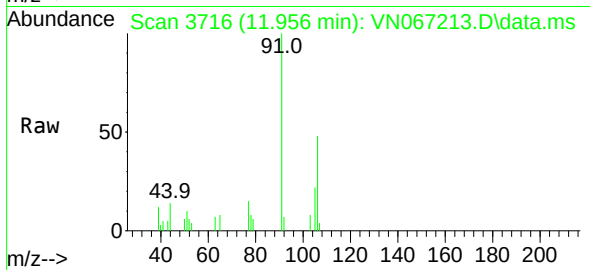




#68
m/p-Xylenes
Concen: 1.416 ug/l
RT: 11.956 min Scan# 3716
Delta R.T. -0.002 min
Lab File: VN067213.D
Acq: 4 Jun 2021 22:24

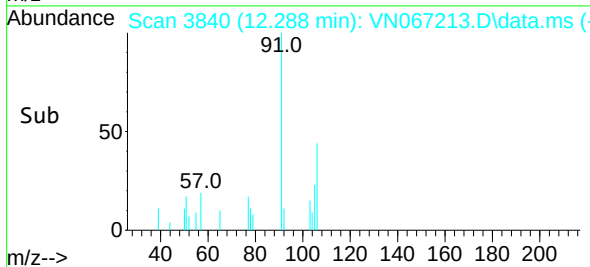
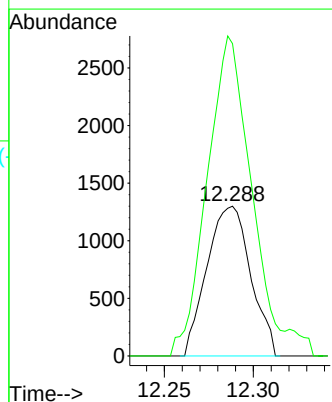
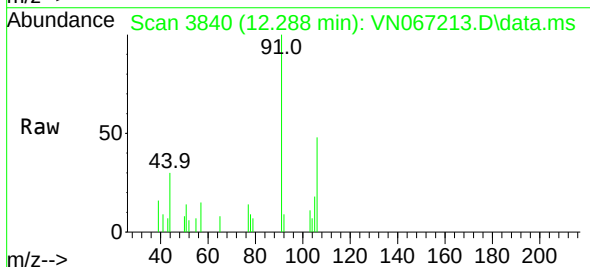
Instrument :
MSVOA_N
ClientSampleId :
18-B10(0-2)

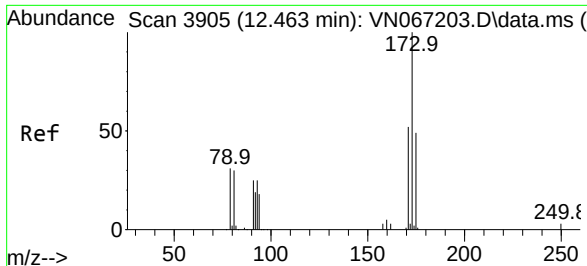
Tgt Ion:106 Resp: 5138
Ion Ratio Lower Upper
106 100
91 208.3 155.2 232.8



#69
o-Xylene
Concen: 0.627 ug/l
RT: 12.288 min Scan# 3840
Delta R.T. 0.003 min
Lab File: VN067213.D
Acq: 4 Jun 2021 22:24

Tgt Ion:106 Resp: 2224
Ion Ratio Lower Upper
106 100
91 219.2 102.3 306.8

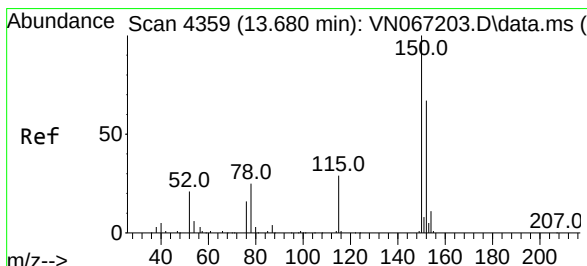
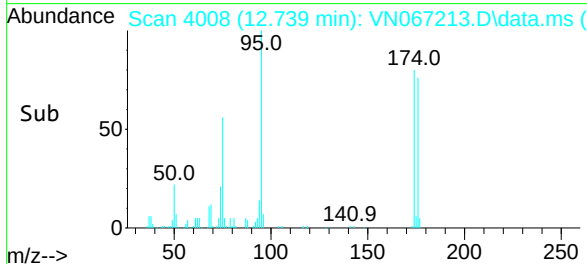
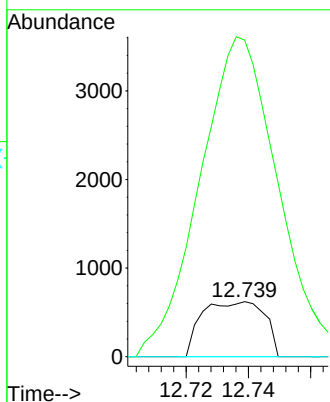
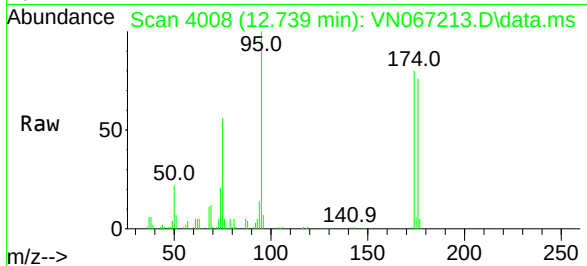




#71
Bromoform
Concen: 0.548 ug/l
RT: 12.739 min Scan# 4008
Delta R.T. 0.276 min
Lab File: VN067213.D
Acq: 4 Jun 2021 22:24

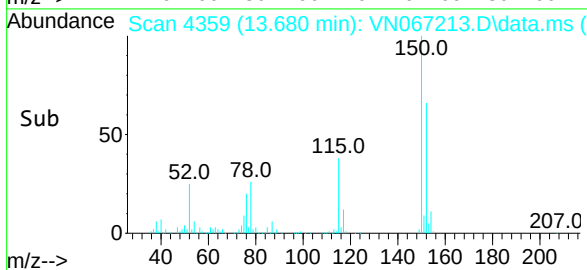
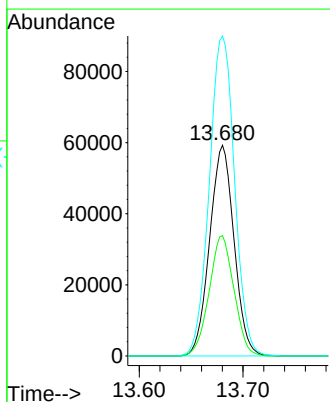
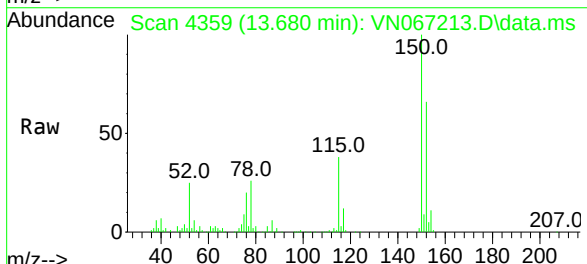
Instrument :
MSVOA_N
ClientSampleId :
18-B10(0-2)

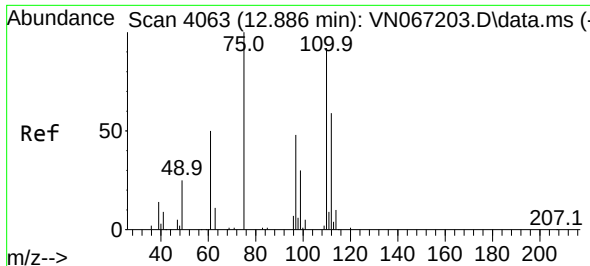
Tgt Ion:173 Resp: 863
Ion Ratio Lower Upper
173 100
175 664.2 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.680 min Scan# 4359
Delta R.T. -0.000 min
Lab File: VN067213.D
Acq: 4 Jun 2021 22:24

Tgt Ion:152 Resp: 96916
Ion Ratio Lower Upper
152 100
115 57.9 27.0 80.8
150 156.9 0.0 350.2

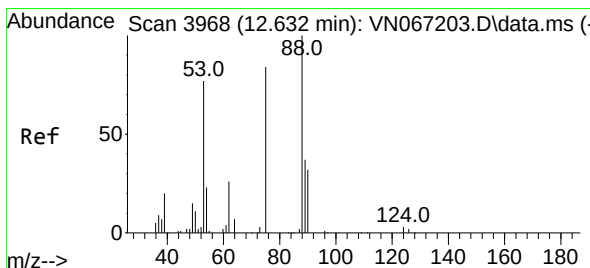
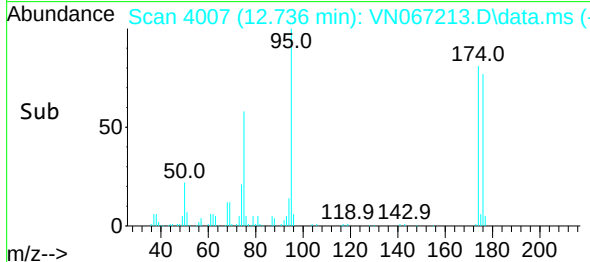
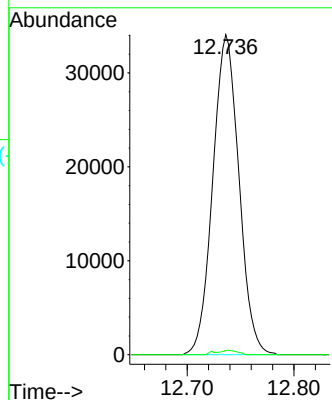
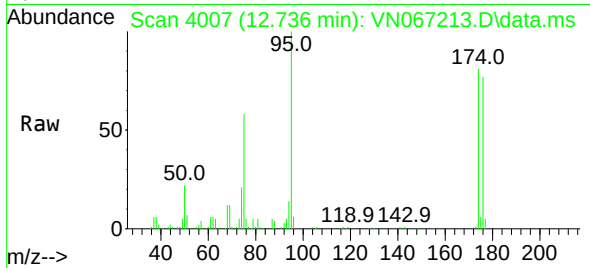




#76
1,2,3-Trichloropropane
Concen: 31.068 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. -0.150 min
Lab File: VN067213.D
Acq: 4 Jun 2021 22:24

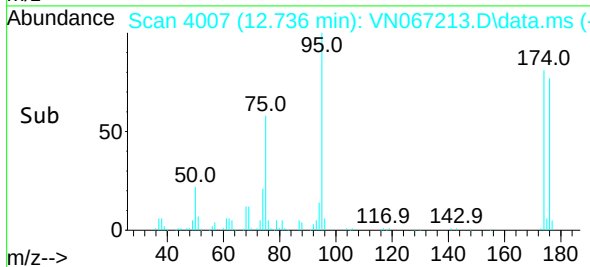
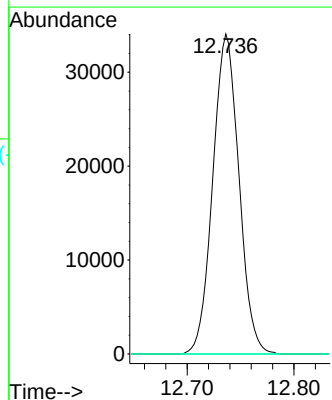
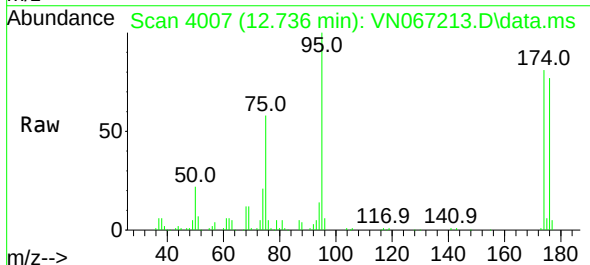
Instrument :
MSVOA_N
ClientSampled :
18-B10(0-2)

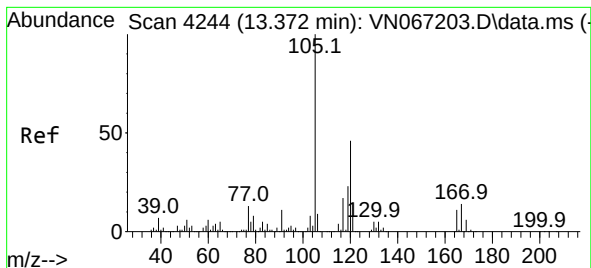
Tgt Ion: 75 Resp: 57904
Ion Ratio Lower Upper
75 100
77 0.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.015 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.105 min
Lab File: VN067213.D
Acq: 4 Jun 2021 22:24

Tgt Ion: 75 Resp: 57904
Ion Ratio Lower Upper
75 100
53 0.0 66.3 99.5#
89 0.0 39.5 59.3#

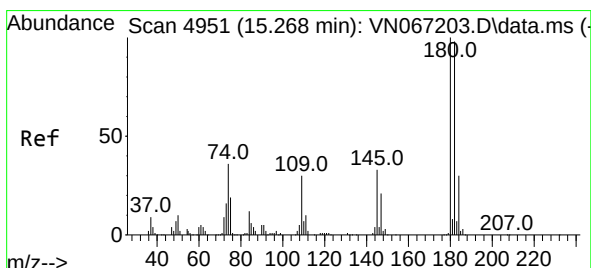
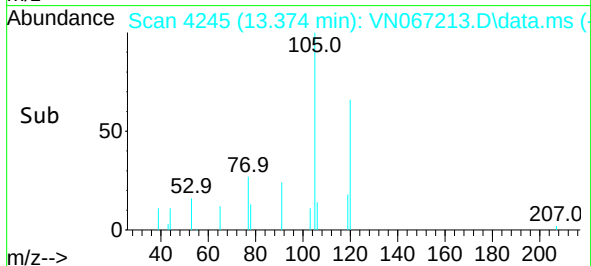
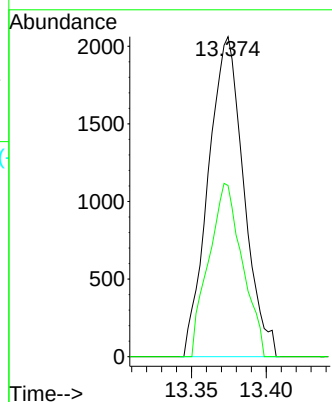
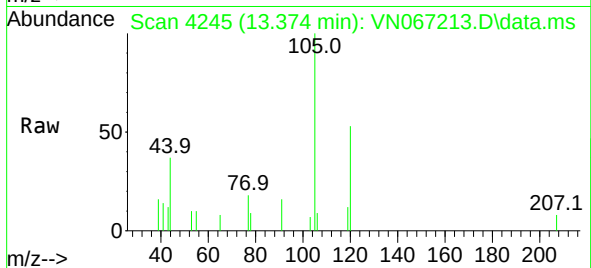




#84
1,2,4-Trimethylbenzene
Concen: 0.536 ug/l
RT: 13.374 min Scan# 4245
Delta R.T. 0.003 min
Lab File: VN067213.D
Acq: 4 Jun 2021 22:24

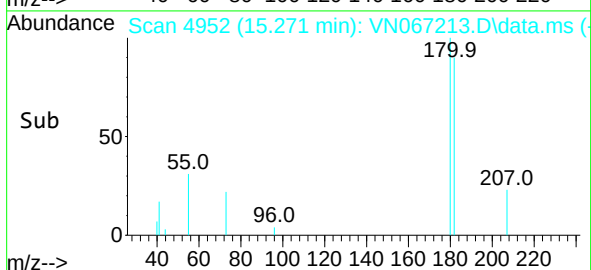
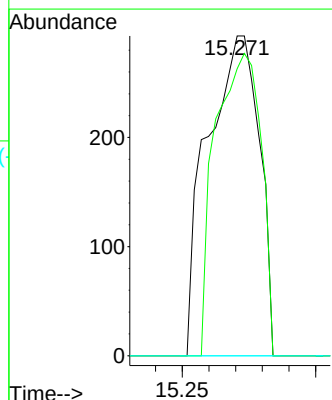
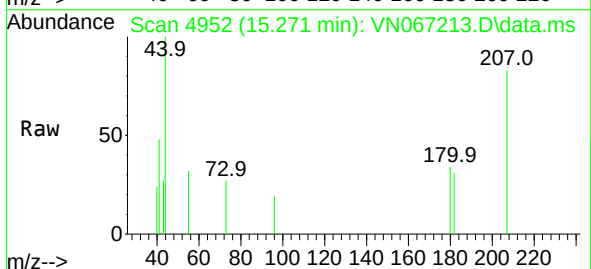
Instrument :
MSVOA_N
ClientSampleId :
18-B10(0-2)

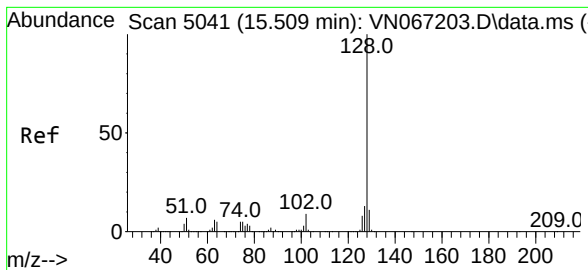
Tgt Ion:105 Resp: 3406
Ion Ratio Lower Upper
105 100
120 51.0 23.8 71.2



#93
1,2,4-Trichlorobenzene
Concen: 0.272 ug/l
RT: 15.271 min Scan# 4952
Delta R.T. 0.003 min
Lab File: VN067213.D
Acq: 4 Jun 2021 22:24

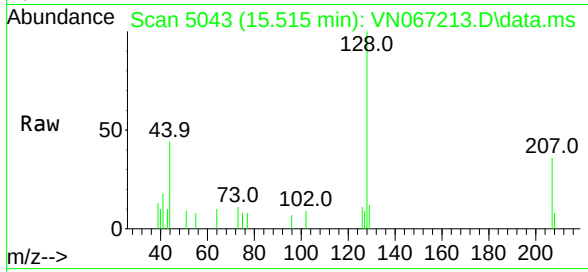
Tgt Ion:180 Resp: 395
Ion Ratio Lower Upper
180 100
182 83.5 47.3 141.8
145 0.0 14.0 42.0#





#95
Naphthalene
Concen: 5.282 ug/l
RT: 15.515 min Scan# 5043
Delta R.T. 0.006 min
Lab File: VN067213.D
Acq: 4 Jun 2021 22:24

Instrument :
MSVOA_N
ClientSampleId :
18-B10(0-2)



Tgt Ion:128 Resp: 4053
Ion Ratio Lower Upper
128 100
127 11.3 10.2 15.2
129 9.7 8.6 13.0

