

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060421\
 Data File : VN067214.D
 Acq On : 4 Jun 2021 22:47
 Operator : JC/MD
 Sample : M2589-32
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 18-B10(2-4)

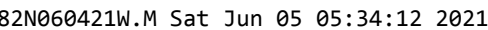
Quant Time: Jun 05 05:34:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060421W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 04 19:00:20 2021
 Response via : Initial Calibration

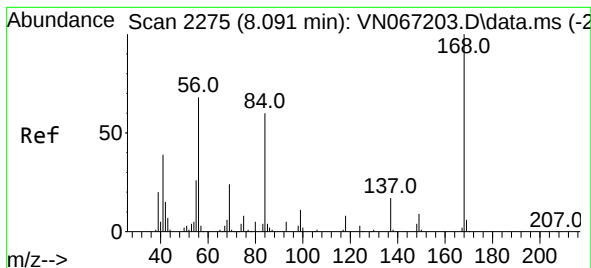
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.091	168	134109	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.973	114	228141	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.752	117	222345	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.680	152	97135	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.442	65	85107	46.556	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.120%		
35) Dibromofluoromethane	8.027	113	69710	49.288	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	98.580%		
50) Toluene-d8	10.448	98	301700	52.377	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	104.760%		
62) 4-Bromofluorobenzene	12.736	95	96643	43.563	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	87.120%		
Target Compounds					Qvalue	
3) Chloromethane	2.311	50	381	0.200	ug/l #	42
13) Acrolein	4.055	56	170	Below Cal		92
16) Acetone	4.301	43	21741	34.467	ug/l	93
17) Carbon Disulfide	4.537	76	1416	0.379	ug/l #	74
20) Methylene Chloride	5.111	84	5085	3.201	ug/l	95
25) 2-Butanone	7.351	43	4978	4.928	ug/l	98
29) Tetrahydrofuran	7.707	42	454	0.756	ug/l #	68
31) Cyclohexane	8.088	56	3352	1.366	ug/l #	38
36) 1,1-Dichloropropene	8.088	75	10788	5.120	ug/l #	44
37) Ethyl Acetate	7.351	43	4978	2.451	ug/l #	65
38) Carbon Tetrachloride	8.091	117	13050	5.671	ug/l #	15
40) Benzene	8.464	78	1618	0.247	ug/l #	71
41) Methacrylonitrile	7.646	41	221	0.210	ug/l #	22
43) Isopropyl Acetate	8.568	43	9331	2.416	ug/l #	82
48) Methyl methacrylate	9.547	41	4236	2.531	ug/l #	15
51) 4-Methyl-2-Pentanone	10.338	43	4551	2.011	ug/l	92
52) Toluene	10.513	92	2168	0.503	ug/l	80
54) cis-1,3-Dichloropropene	10.250	75	16399	5.877	ug/l #	72
57) 1,3-Dichloropropane	11.095	76	1660	0.615	ug/l #	42
59) 2-Hexanone	11.097	43	24595	14.952	ug/l #	49
68) m/p-Xylenes	11.958	106	2363	0.690	ug/l	84
69) o-Xylene	12.283	106	1291	0.386	ug/l	87
74) N-amyl acetate	12.361	43	2716	0.912	ug/l #	42
76) 1,2,3-Trichloropropane	12.736	75	54409	29.127	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.736	75	54409	71.266	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.377	105	2827	0.444	ug/l	78
95) Naphthalene	15.509	128	5742	5.636	ug/l #	82

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

Quant Time: Jun 05 05:34:02 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

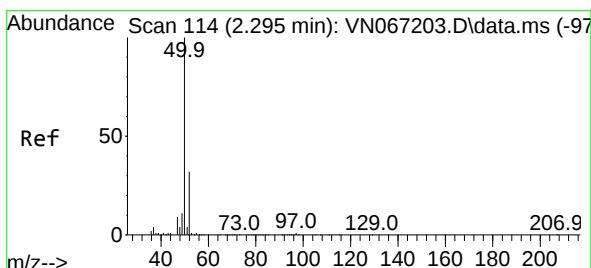
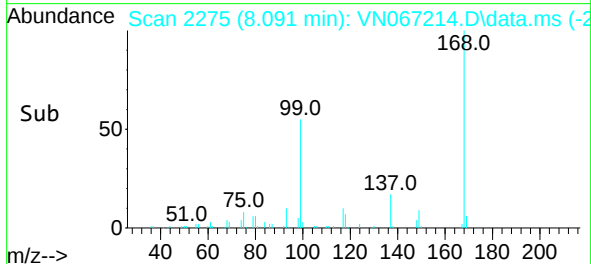
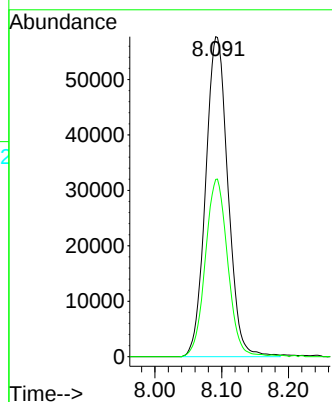
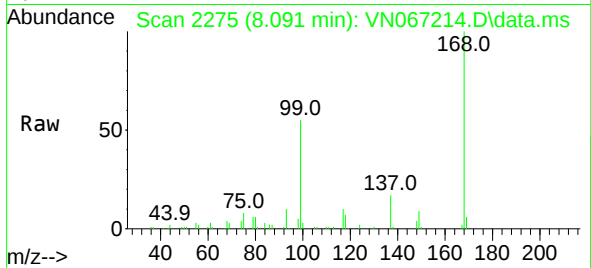




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. 0.000 min
Lab File: VN067214.D
Acq: 4 Jun 2021 22:47

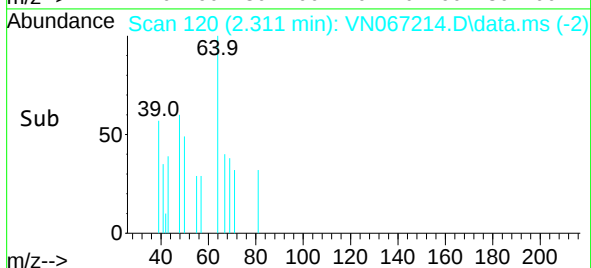
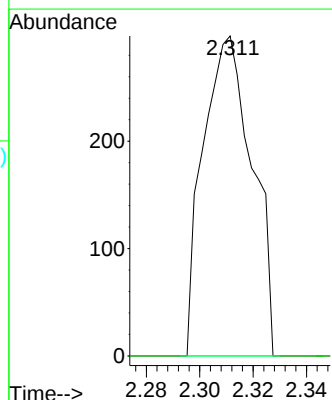
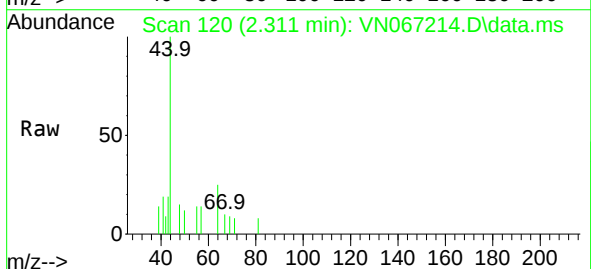
Instrument :
MSVOA_N
ClientSampleId :
18-B10(2-4)

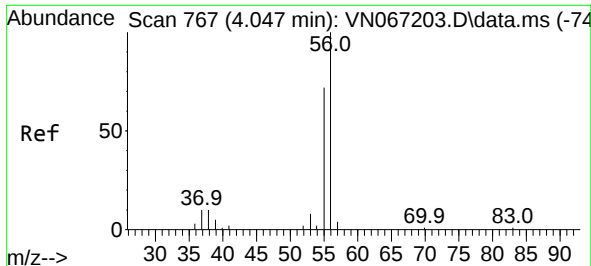
Tgt Ion:168 Resp: 134109
Ion Ratio Lower Upper
168 100
99 55.4 38.5 57.7



#3
Chloromethane
Concen: 0.200 ug/l
RT: 2.311 min Scan# 120
Delta R.T. 0.016 min
Lab File: VN067214.D
Acq: 4 Jun 2021 22:47

Tgt Ion: 50 Resp: 381
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

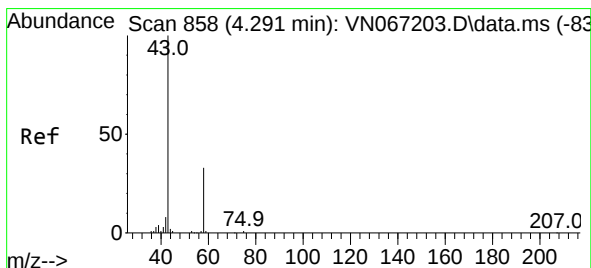
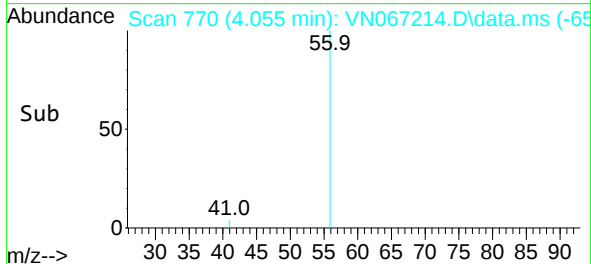
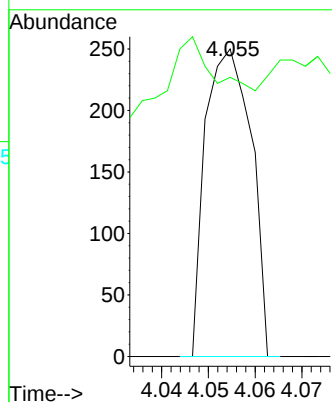
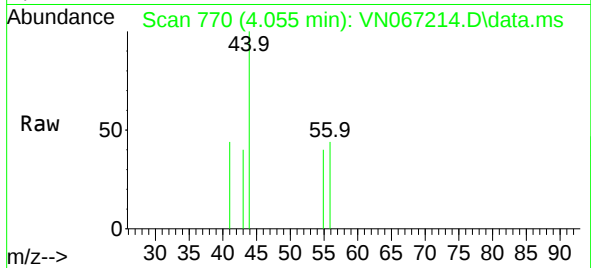




#13
Acrolein
Concen: Below Cal
RT: 4.055 min Scan# 770
Delta R.T. 0.008 min
Lab File: VN067214.D
Acq: 4 Jun 2021 22:47

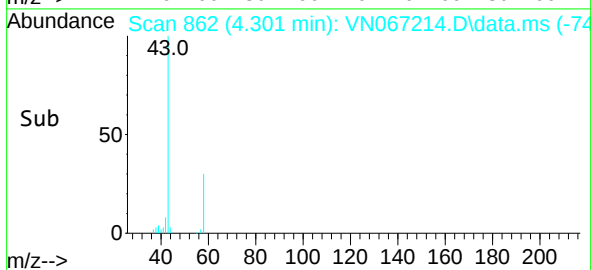
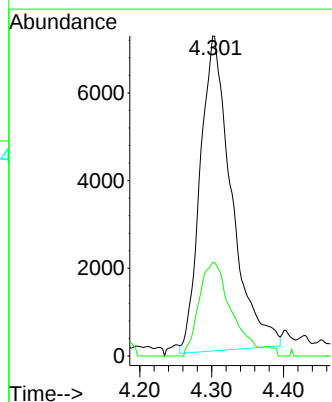
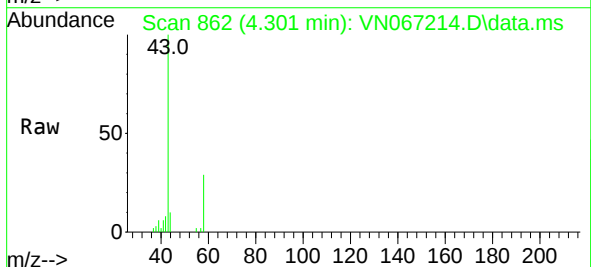
Instrument :
MSVOA_N
ClientSampleId :
18-B10(2-4)

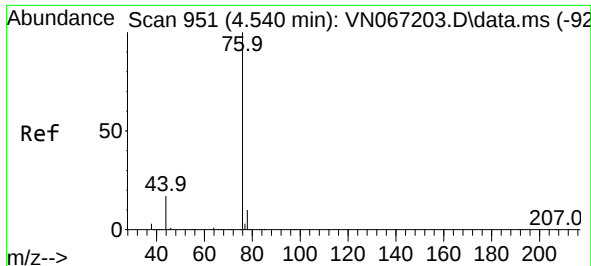
Tgt Ion: 56 Resp: 170
Ion Ratio Lower Upper
56 100
55 61.2 53.8 80.6



#16
Acetone
Concen: 34.467 ug/l
RT: 4.301 min Scan# 862
Delta R.T. 0.010 min
Lab File: VN067214.D
Acq: 4 Jun 2021 22:47

Tgt Ion: 43 Resp: 21741
Ion Ratio Lower Upper
43 100
58 30.2 27.2 40.8

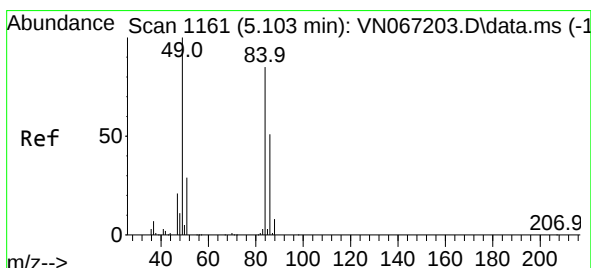
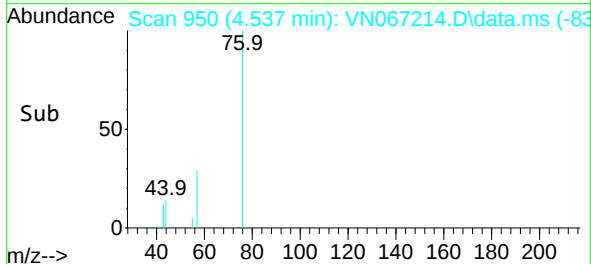
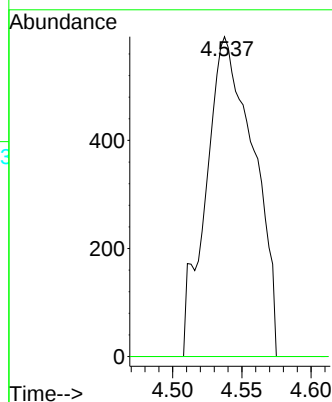
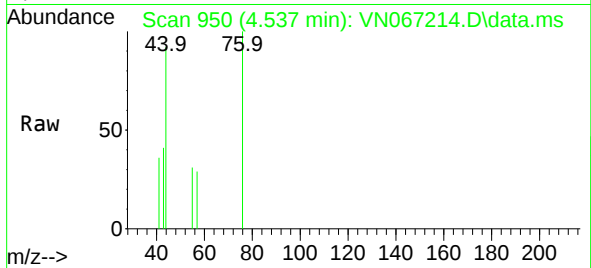




#17
Carbon Disulfide
Concen: 0.379 ug/l
RT: 4.537 min Scan# 950
Delta R.T. -0.003 min
Lab File: VN067214.D
Acq: 4 Jun 2021 22:47

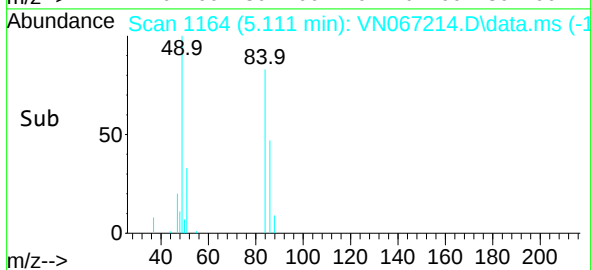
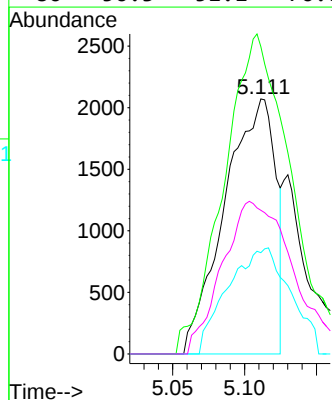
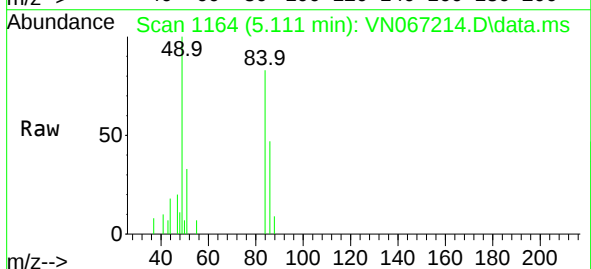
Instrument :
MSVOA_N
ClientSampleId :
18-B10(2-4)

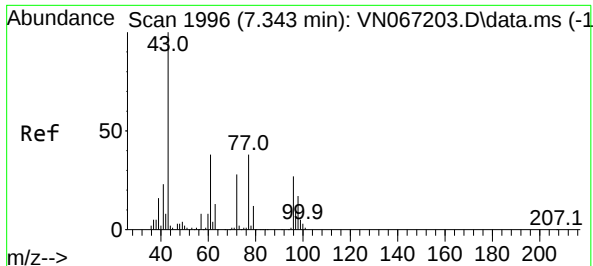
Tgt Ion: 76 Resp: 1416
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#20
Methylene Chloride
Concen: 3.201 ug/l
RT: 5.111 min Scan# 1164
Delta R.T. 0.008 min
Lab File: VN067214.D
Acq: 4 Jun 2021 22:47

Tgt Ion: 84 Resp: 5085
Ion Ratio Lower Upper
84 100
49 111.2 88.3 132.5
51 39.7 26.7 40.1
86 56.3 51.1 76.7

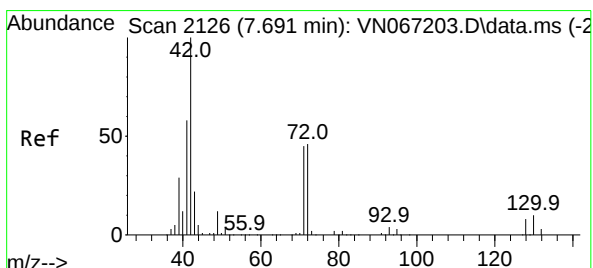
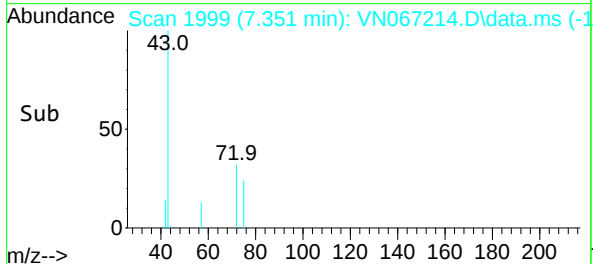
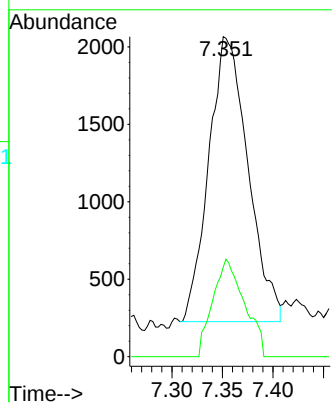
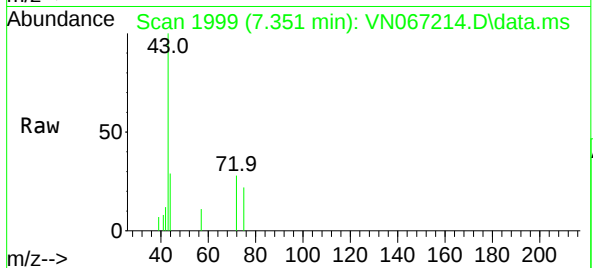




#25
2-Butanone
Concen: 4.928 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. 0.008 min
Lab File: VN067214.D
Acq: 4 Jun 2021 22:47

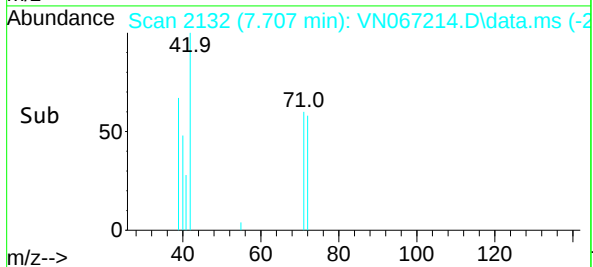
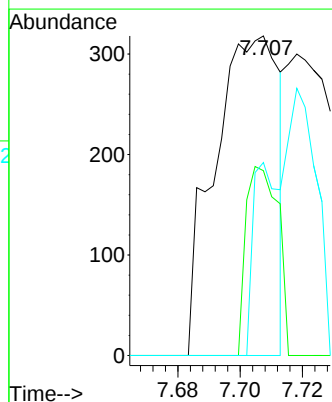
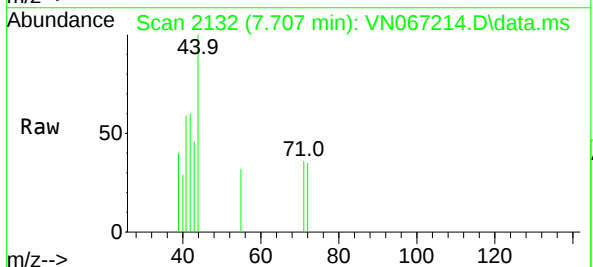
Instrument :
MSVOA_N
ClientSampleId :
18-B10(2-4)

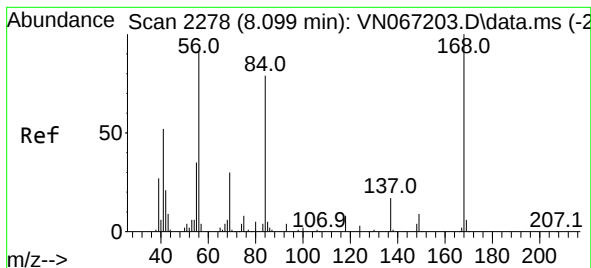
Tgt Ion: 43 Resp: 4978
Ion Ratio Lower Upper
43 100
72 31.5 24.4 36.6



#29
Tetrahydrofuran
Concen: 0.756 ug/l
RT: 7.707 min Scan# 2132
Delta R.T. 0.016 min
Lab File: VN067214.D
Acq: 4 Jun 2021 22:47

Tgt Ion: 42 Resp: 454
Ion Ratio Lower Upper
42 100
72 29.5 40.1 60.1#
71 24.9 37.9 56.9#





#31

Cyclohexane

Concen: 1.366 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. -0.011 min

Lab File: VN067214.D

Acq: 4 Jun 2021 22:47

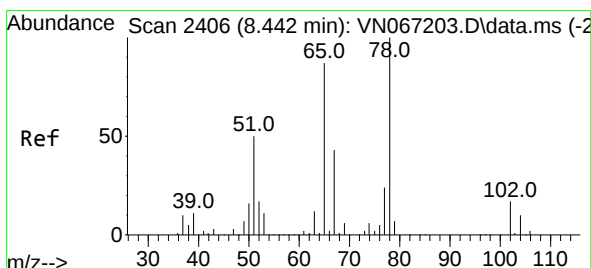
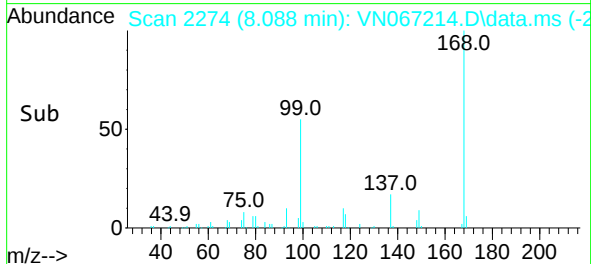
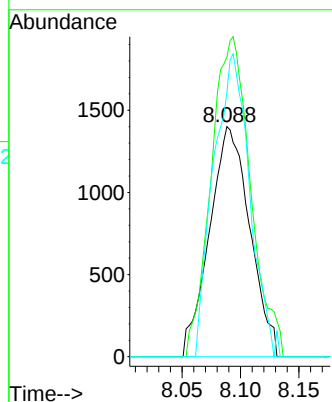
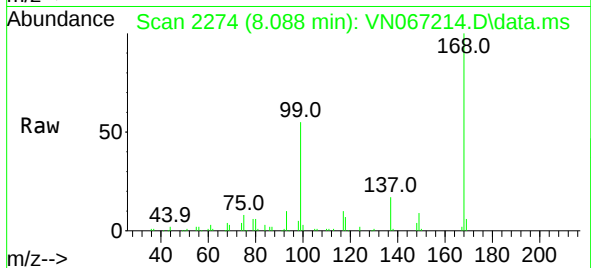
Tgt Ion: 56 Resp: 3352

Ion Ratio Lower Upper

56 100

69 130.2 28.0 42.0#

84 115.0 74.2 111.2#



#33

1,2-Dichloroethane-d4

Concen: 46.556 ug/l

RT: 8.442 min Scan# 2406

Delta R.T. 0.000 min

Lab File: VN067214.D

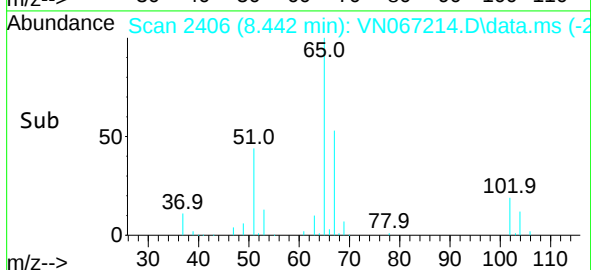
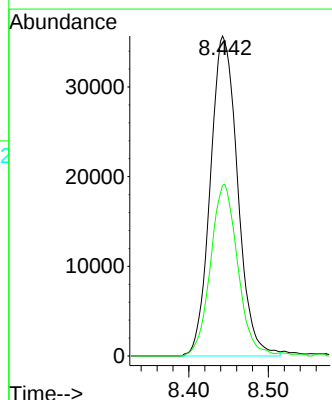
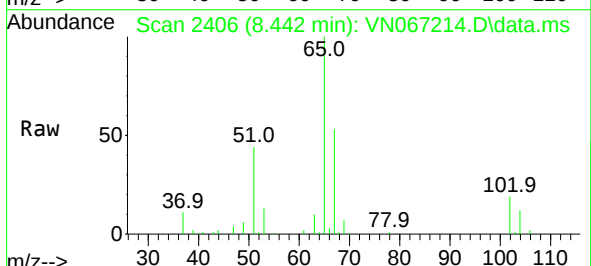
Acq: 4 Jun 2021 22:47

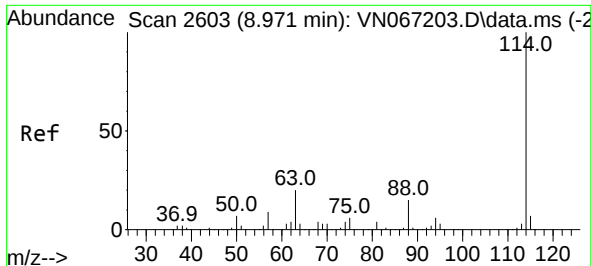
Tgt Ion: 65 Resp: 85107

Ion Ratio Lower Upper

65 100

67 53.3 0.0 110.4

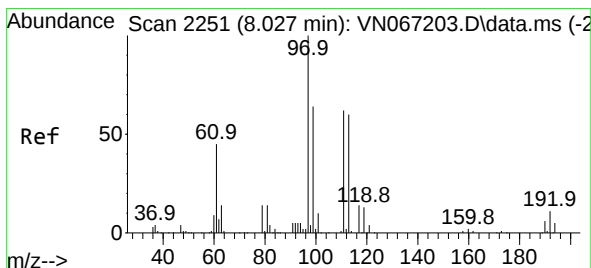
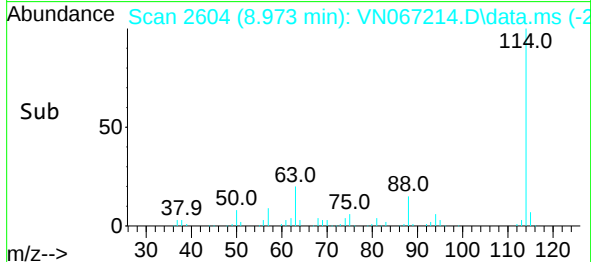
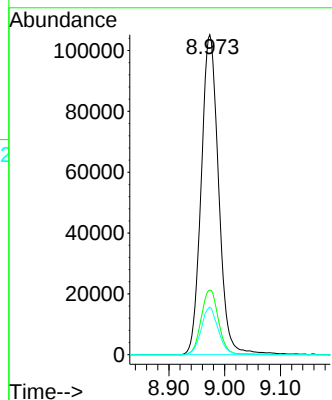
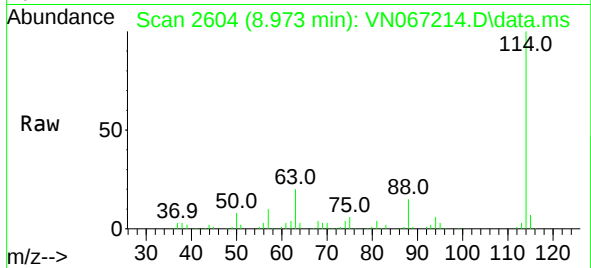




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.973 min Scan# 2604
Delta R.T. 0.003 min
Lab File: VN067214.D
Acq: 4 Jun 2021 22:47

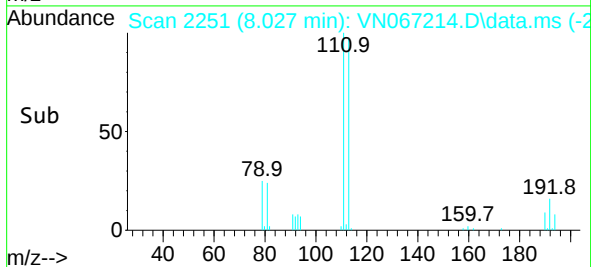
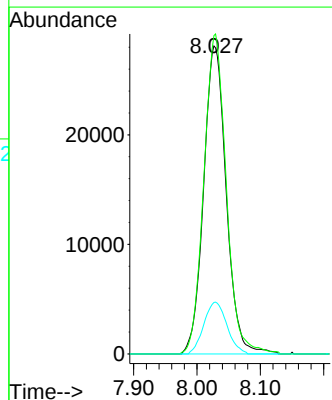
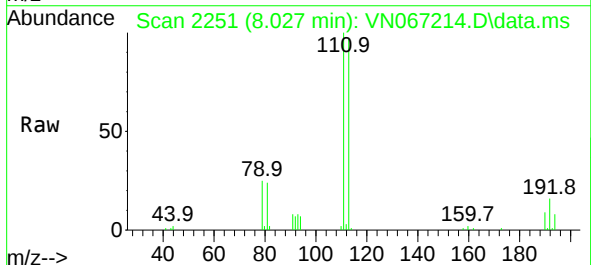
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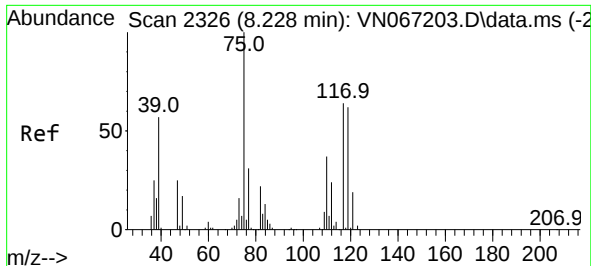
Tgt Ion:114 Resp: 228141
Ion Ratio Lower Upper
114 100
63 20.1 0.0 35.8
88 14.8 0.0 30.4



#35
Dibromofluoromethane
Concen: 49.288 ug/l
RT: 8.027 min Scan# 2251
Delta R.T. 0.000 min
Lab File: VN067214.D
Acq: 4 Jun 2021 22:47

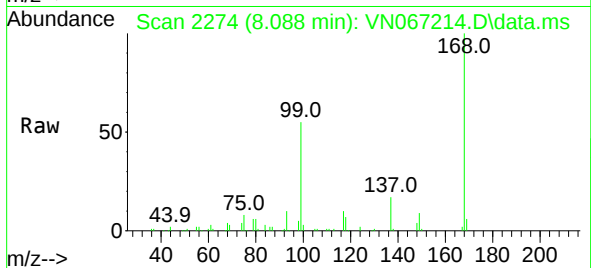
Tgt Ion:113 Resp: 69710
Ion Ratio Lower Upper
113 100
111 103.3 82.6 124.0
192 17.2 18.2 27.4#



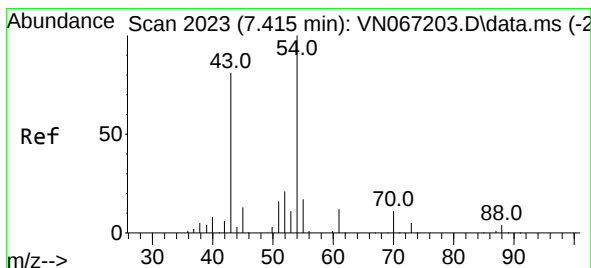
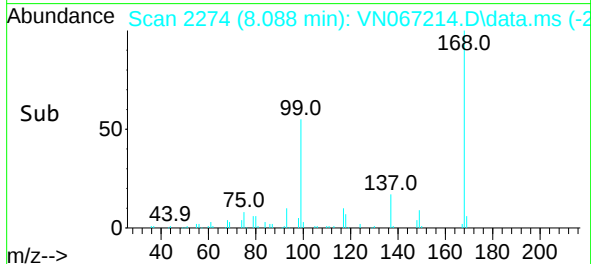
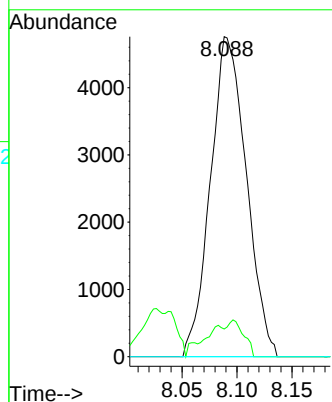


#36
1,1-Dichloropropene
Concen: 5.120 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.139 min
Lab File: VN067214.D
Acq: 4 Jun 2021 22:47

Instrument :
MSVOA_N
ClientSampleId :
18-B10(2-4)

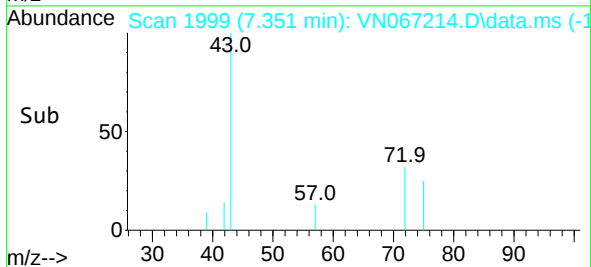
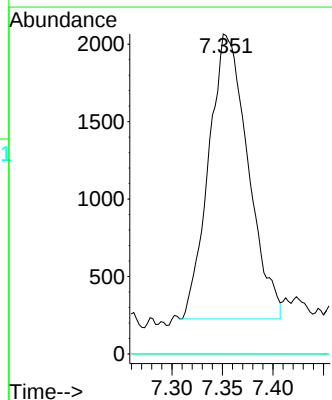
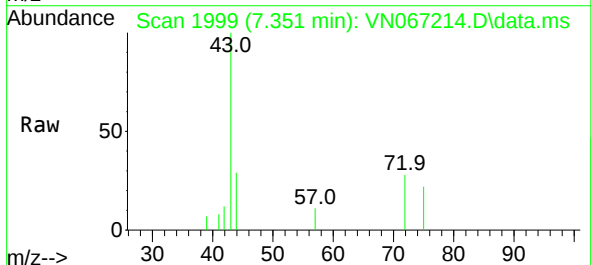


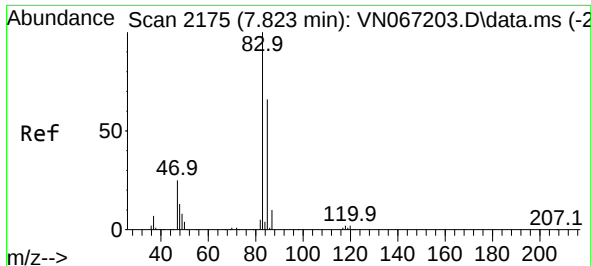
Tgt Ion: 75 Resp: 10788
Ion Ratio Lower Upper
75 100
110 4.7 19.1 57.3#
77 0.0 24.8 37.2#



#37
Ethyl Acetate
Concen: 2.451 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. -0.064 min
Lab File: VN067214.D
Acq: 4 Jun 2021 22:47

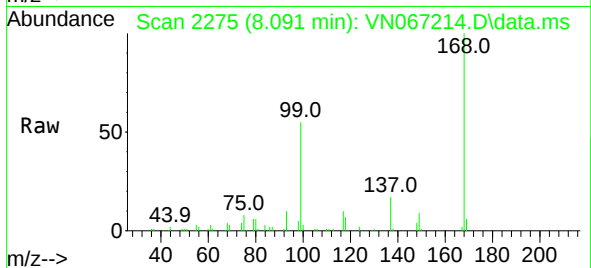
Tgt Ion: 43 Resp: 4978
Ion Ratio Lower Upper
43 100
61 0.0 13.0 19.4#
70 0.0 9.2 13.8#



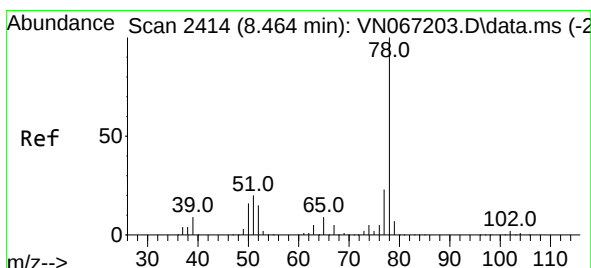
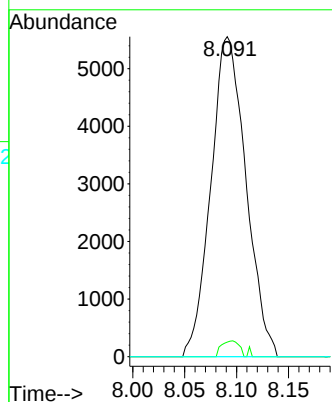
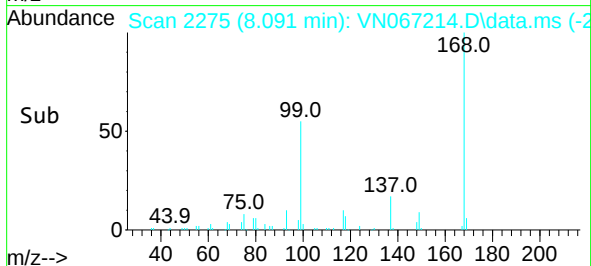


#38
Carbon Tetrachloride
Concen: 5.671 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.121 min
Lab File: VN067214.D
Acq: 4 Jun 2021 22:47

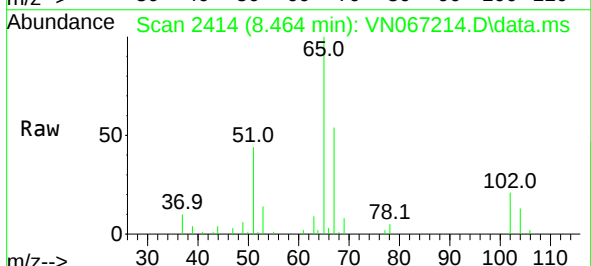
Instrument :
MSVOA_N
ClientSampleId :
18-B10(2-4)



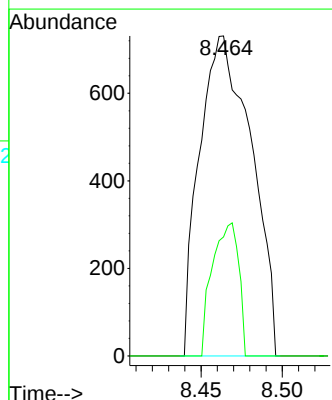
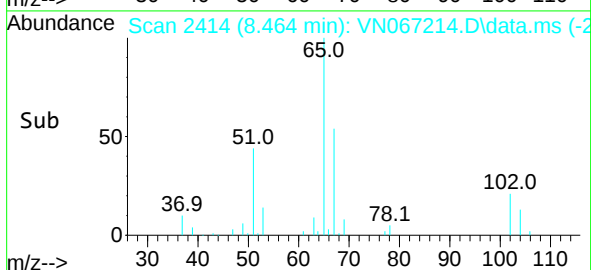
Tgt Ion:117 Resp: 13050
Ion Ratio Lower Upper
117 100
119 4.6 78.2 117.2#
121 0.0 24.7 37.1#

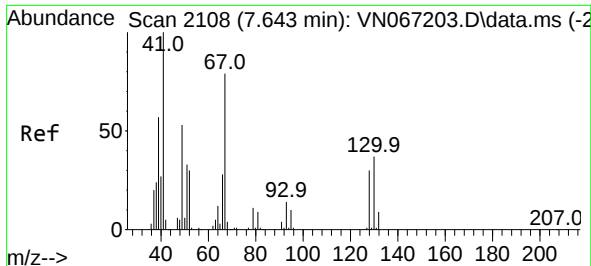


#40
Benzene
Concen: 0.247 ug/l
RT: 8.464 min Scan# 2414
Delta R.T. 0.000 min
Lab File: VN067214.D
Acq: 4 Jun 2021 22:47



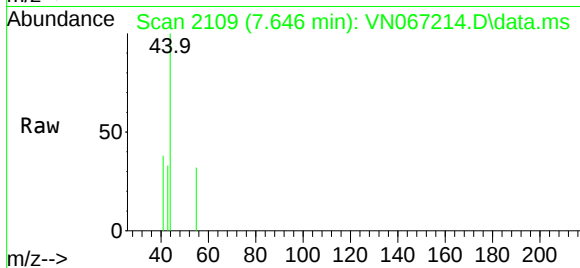
Tgt Ion: 78 Resp: 1618
Ion Ratio Lower Upper
78 100
77 37.2 18.4 27.6#



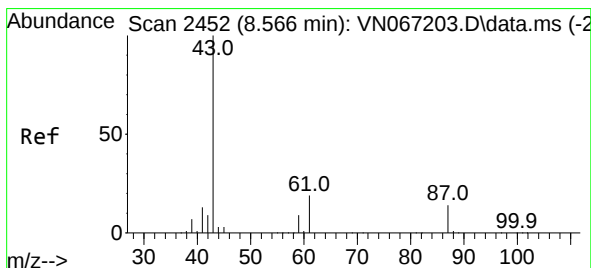
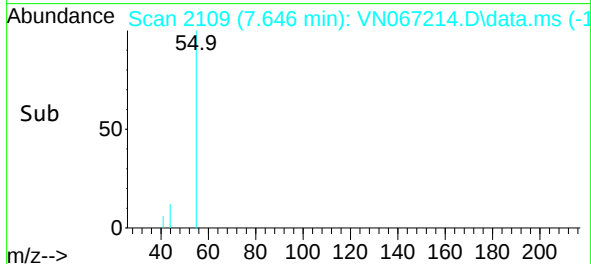
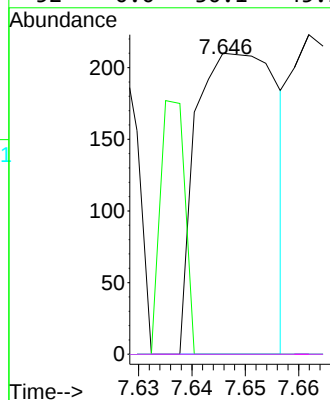


#41
Methacrylonitrile
Concen: 0.210 ug/l
RT: 7.646 min Scan# 2109
Delta R.T. 0.003 min
Lab File: VN067214.D
Acq: 4 Jun 2021 22:47

Instrument :
MSVOA_N
ClientSampleId :
18-B10(2-4)

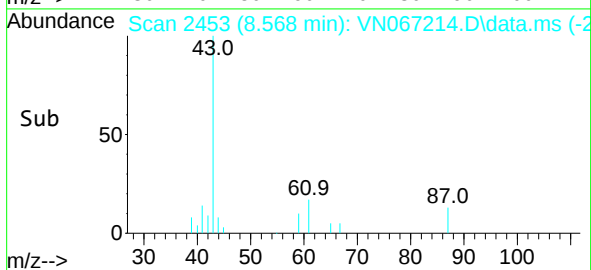
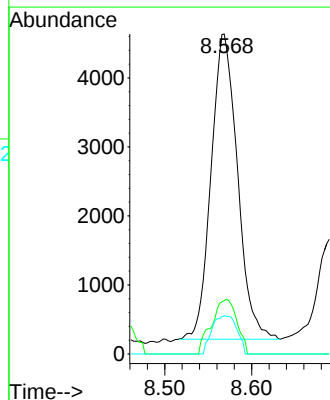
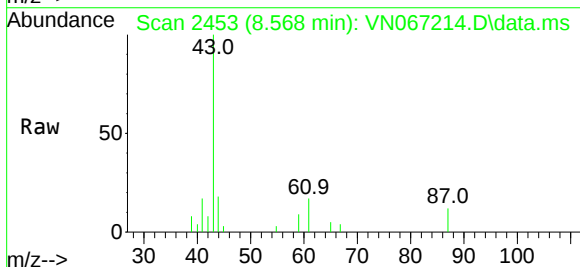


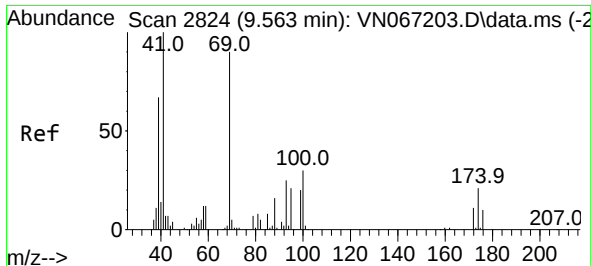
Tgt Ion	Ratio	Lower	Upper
41	100		
39	25.8	45.3	67.9#
67	0.0	85.1	127.7#
52	0.0	30.1	45.1#



#43
Isopropyl Acetate
Concen: 2.416 ug/l
RT: 8.568 min Scan# 2453
Delta R.T. 0.003 min
Lab File: VN067214.D
Acq: 4 Jun 2021 22:47

Tgt Ion	Ratio	Lower	Upper
43	100		
61	17.2	23.4	35.0#
87	11.8	12.2	18.2#

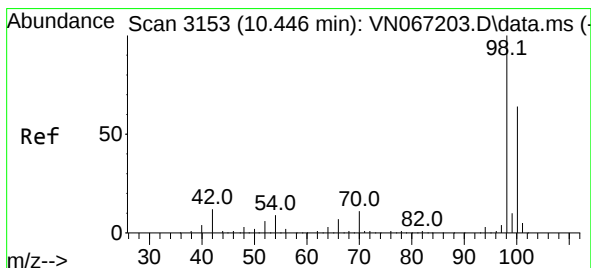
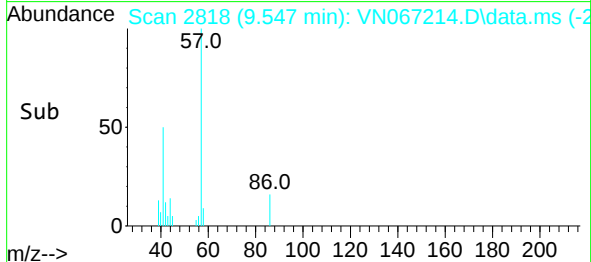
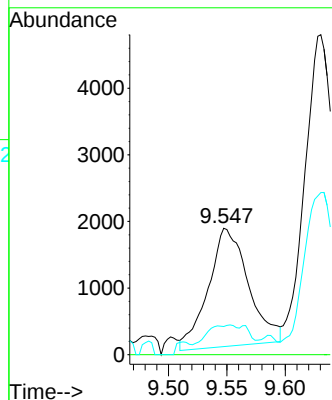
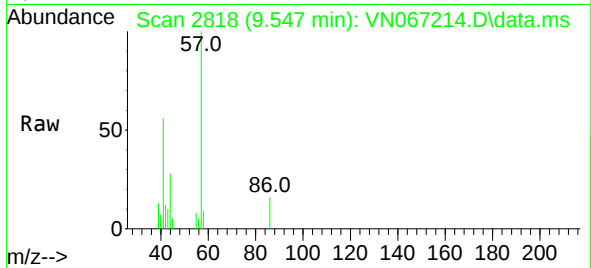




#48
Methyl methacrylate
Concen: 2.531 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.016 min
Lab File: VN067214.D
Acq: 4 Jun 2021 22:47

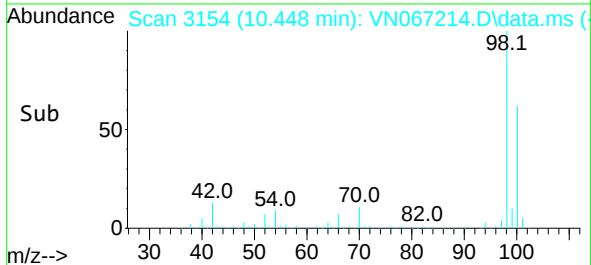
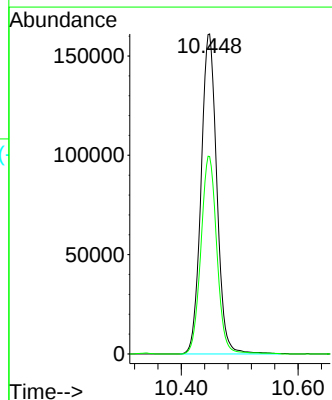
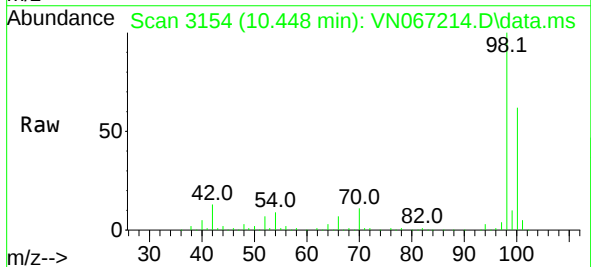
Instrument :
MSVOA_N
ClientSampleId :
18-B10(2-4)

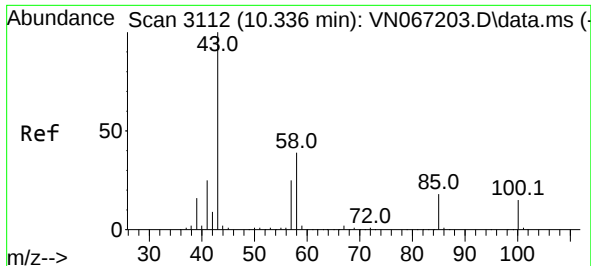
Tgt Ion: 41 Resp: 4236
Ion Ratio Lower Upper
41 100
69 0.0 80.5 120.7#
39 12.2 41.4 62.0#



#50
Toluene-d8
Concen: 52.377 ug/l
RT: 10.448 min Scan# 3154
Delta R.T. 0.003 min
Lab File: VN067214.D
Acq: 4 Jun 2021 22:47

Tgt Ion: 98 Resp: 301700
Ion Ratio Lower Upper
98 100
100 62.5 51.8 77.8

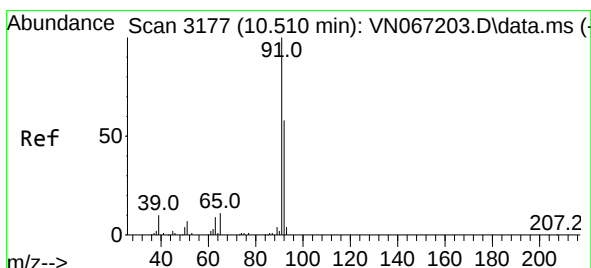
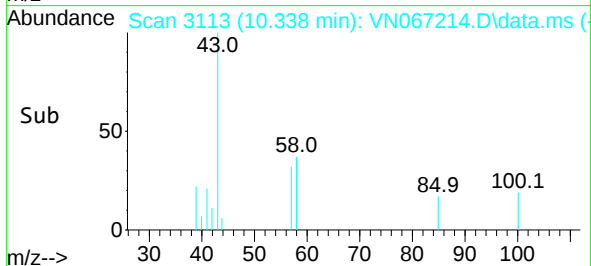
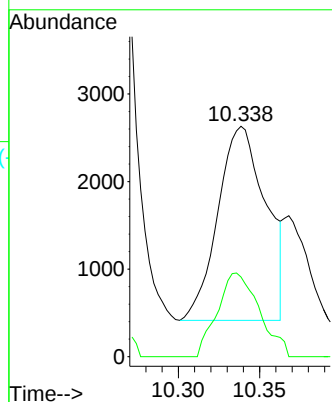
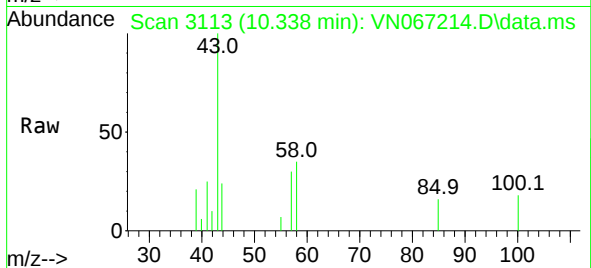




#51
4-Methyl-2-Pentanone
Concen: 2.011 ug/l
RT: 10.338 min Scan# 3113
Delta R.T. 0.002 min
Lab File: VN067214.D
Acq: 4 Jun 2021 22:47

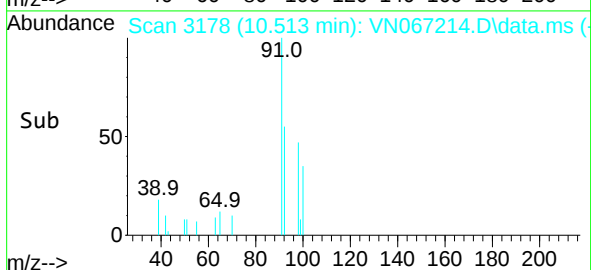
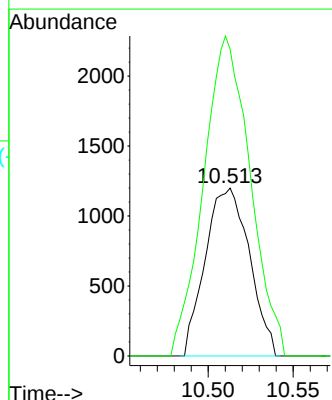
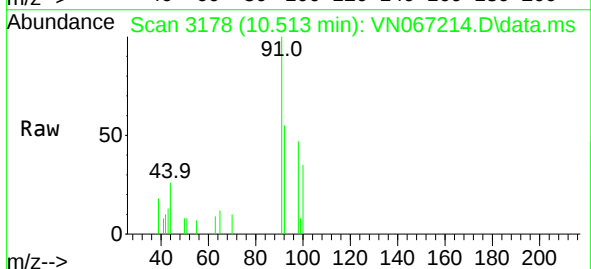
Instrument :
MSVOA_N
ClientSampleId :
18-B10(2-4)

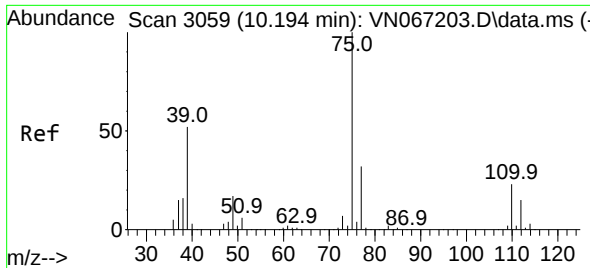
Tgt Ion: 43 Resp: 4551
Ion Ratio Lower Upper
43 100
58 37.7 34.5 51.7



#52
Toluene
Concen: 0.503 ug/l
RT: 10.513 min Scan# 3178
Delta R.T. 0.003 min
Lab File: VN067214.D
Acq: 4 Jun 2021 22:47

Tgt Ion: 92 Resp: 2168
Ion Ratio Lower Upper
92 100
91 200.9 138.7 208.1

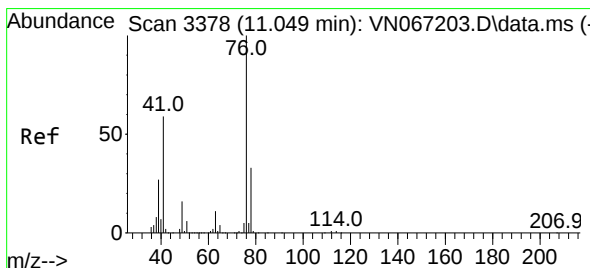
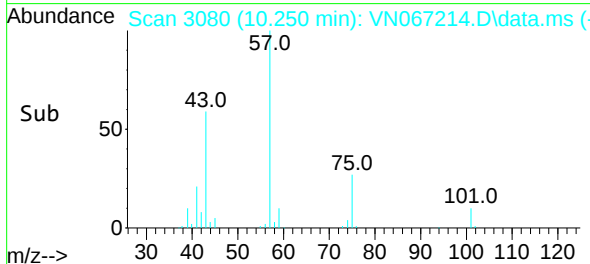
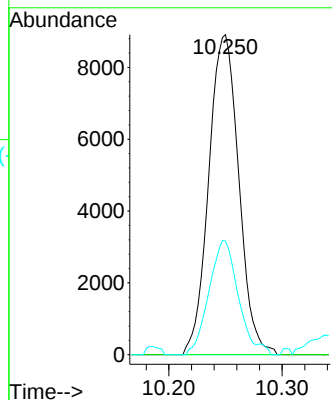
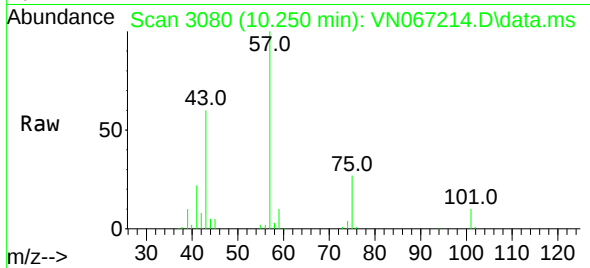




#54
cis-1,3-Dichloropropene
Concen: 5.877 ug/l
RT: 10.250 min Scan# 3080
Delta R.T. 0.056 min
Lab File: VN067214.D
Acq: 4 Jun 2021 22:47

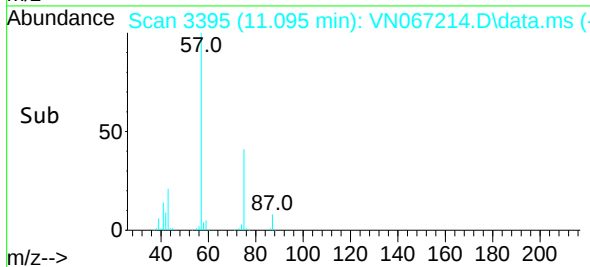
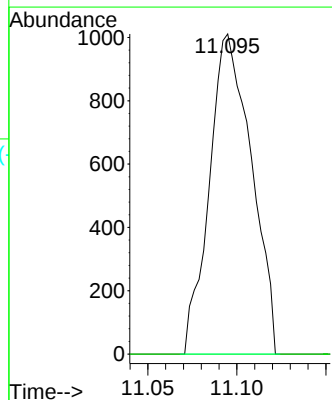
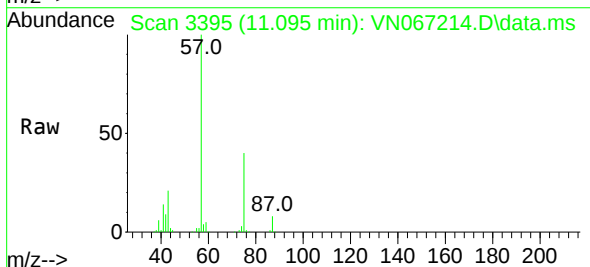
Instrument :
MSVOA_N
ClientSampleId :
18-B10(2-4)

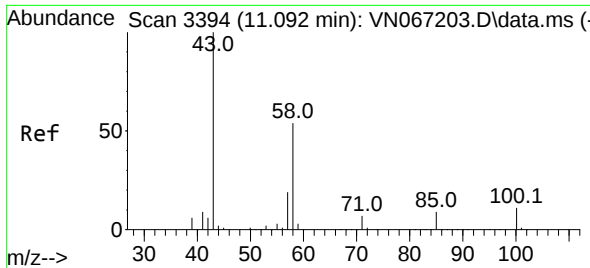
Tgt Ion: 75 Resp: 16399
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#
39 35.5 30.9 46.3



#57
1,3-Dichloropropane
Concen: 0.615 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.046 min
Lab File: VN067214.D
Acq: 4 Jun 2021 22:47

Tgt Ion: 76 Resp: 1660
Ion Ratio Lower Upper
76 100
78 0.0 26.3 39.5#

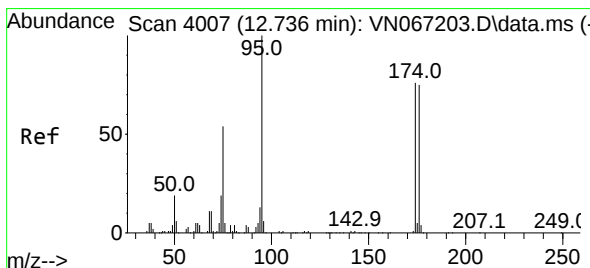
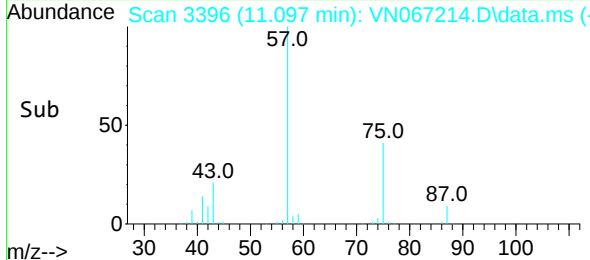
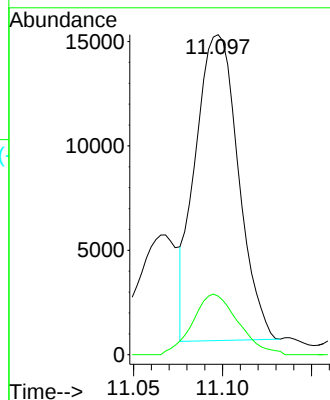
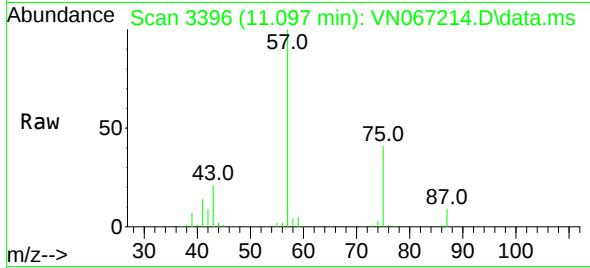




#59
2-Hexanone
Concen: 14.952 ug/l
RT: 11.097 min Scan# 3396
Delta R.T. 0.005 min
Lab File: VN067214.D
Acq: 4 Jun 2021 22:47

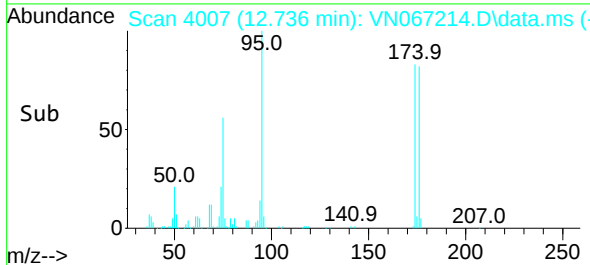
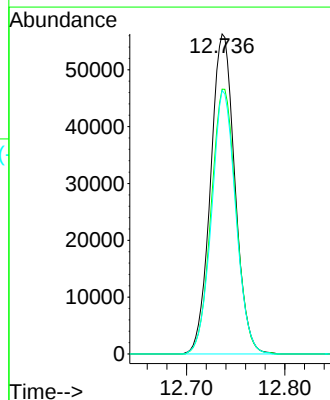
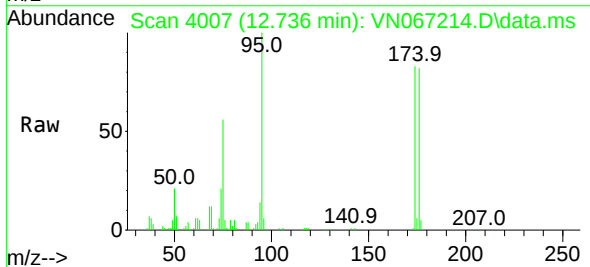
Instrument :
MSVOA_N
ClientSampleId :
18-B10(2-4)

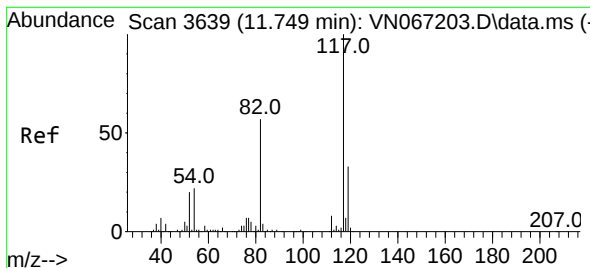
Tgt Ion: 43 Resp: 24595
Ion Ratio Lower Upper
43 100
58 21.0 29.8 89.5#



#62
4-Bromofluorobenzene
Concen: 43.563 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.000 min
Lab File: VN067214.D
Acq: 4 Jun 2021 22:47

Tgt Ion: 95 Resp: 96643
Ion Ratio Lower Upper
95 100
174 84.7 0.0 182.8
176 81.7 0.0 176.6

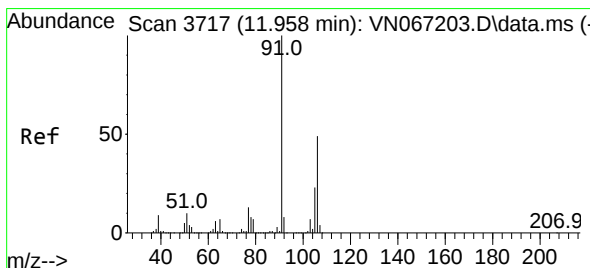
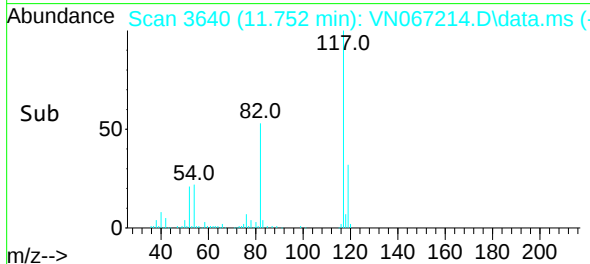
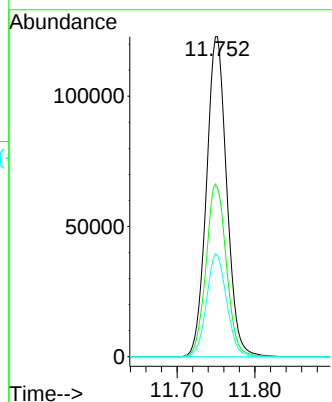
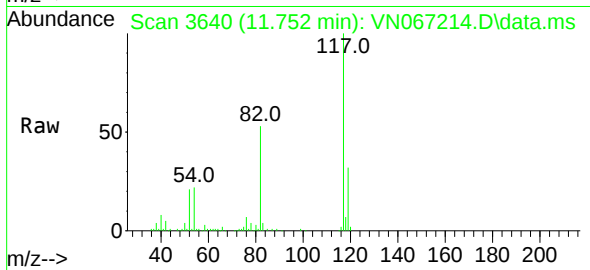




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.752 min Scan# 3640
Delta R.T. 0.003 min
Lab File: VN067214.D
Acq: 4 Jun 2021 22:47

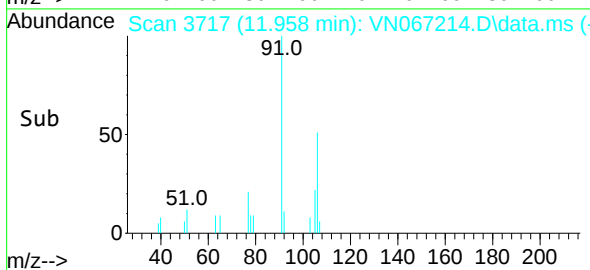
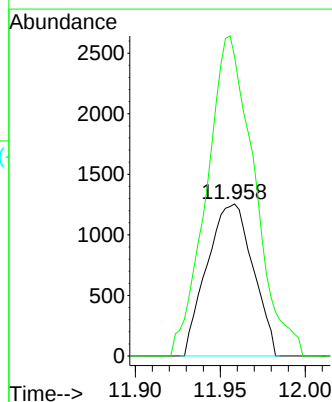
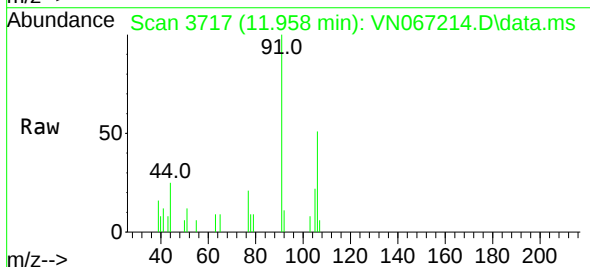
Instrument :
MSVOA_N
ClientSampleId :
18-B10(2-4)

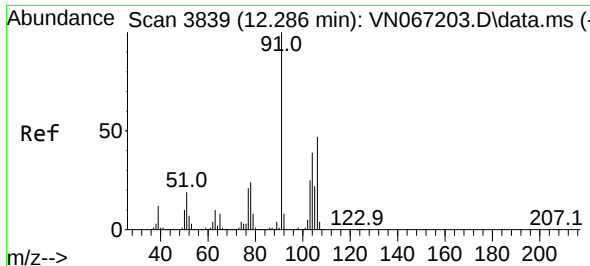
Tgt Ion:117 Resp: 222345
Ion Ratio Lower Upper
117 100
82 52.8 42.2 63.2
119 31.8 25.8 38.6



#68
m/p-Xylenes
Concen: 0.690 ug/l
RT: 11.958 min Scan# 3717
Delta R.T. 0.000 min
Lab File: VN067214.D
Acq: 4 Jun 2021 22:47

Tgt Ion:106 Resp: 2363
Ion Ratio Lower Upper
106 100
91 218.4 155.2 232.8

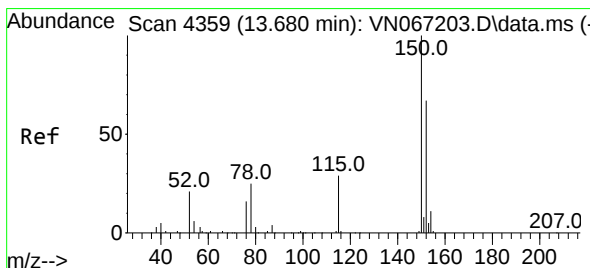
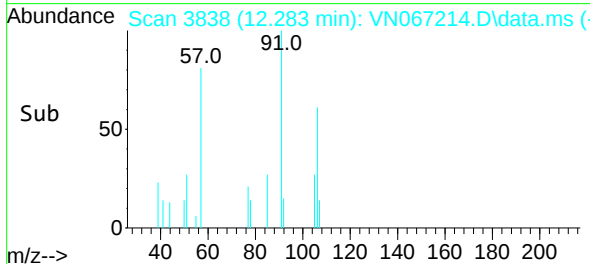
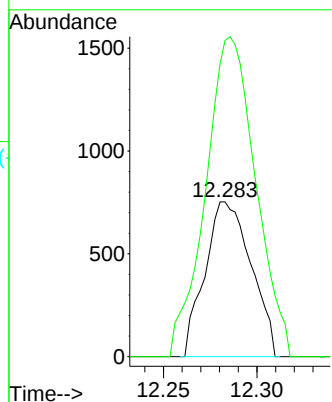
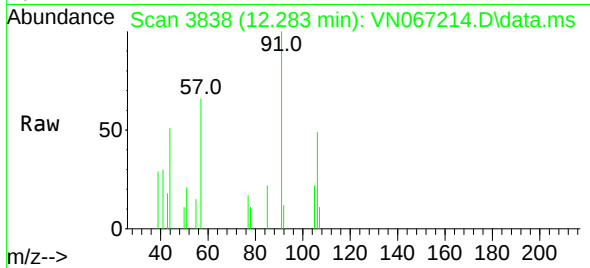




#69
o-Xylene
Concen: 0.386 ug/l
RT: 12.283 min Scan# 3838
Delta R.T. -0.003 min
Lab File: VN067214.D
Acq: 4 Jun 2021 22:47

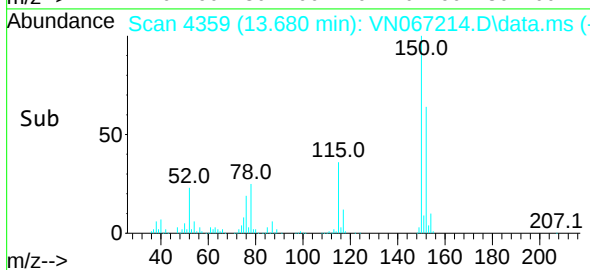
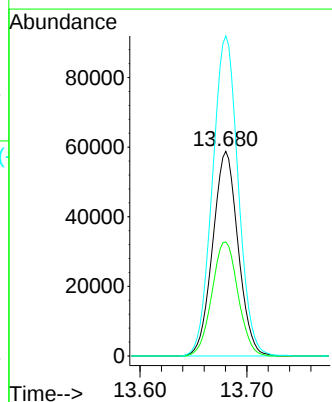
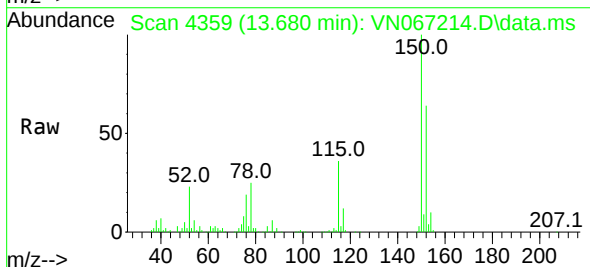
Instrument :
MSVOA_N
ClientSampleId :
18-B10(2-4)

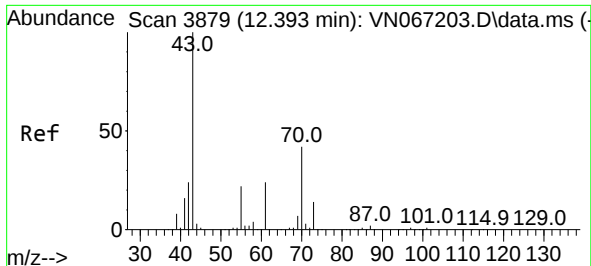
Tgt Ion:106 Resp: 1291
Ion Ratio Lower Upper
106 100
91 224.2 102.3 306.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.680 min Scan# 4359
Delta R.T. 0.000 min
Lab File: VN067214.D
Acq: 4 Jun 2021 22:47

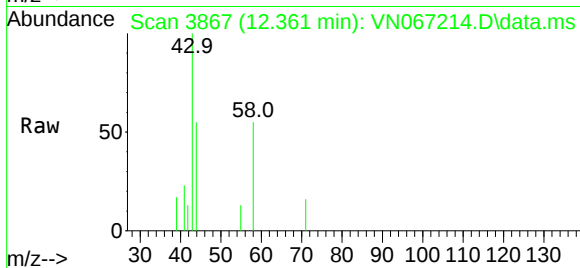
Tgt Ion:152 Resp: 97135
Ion Ratio Lower Upper
152 100
115 57.3 27.0 80.8
150 158.8 0.0 350.2



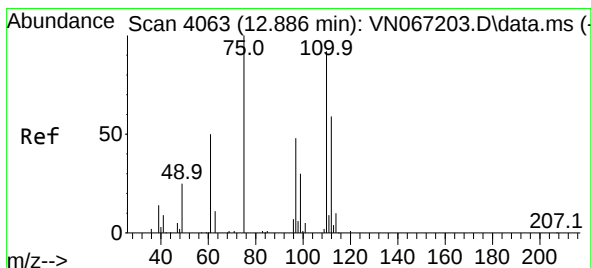
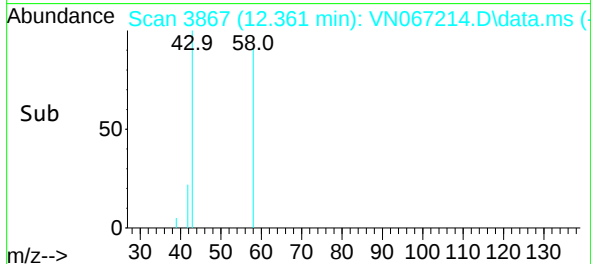
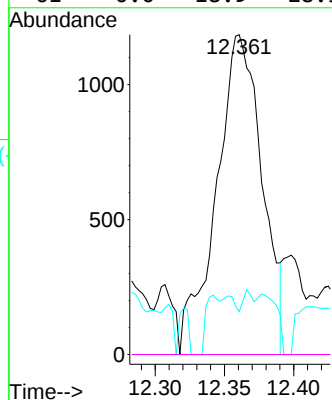


#74
N-amy1 acetate
Concen: 0.912 ug/l
RT: 12.361 min Scan# 3867
Delta R.T. -0.032 min
Lab File: VN067214.D
Acq: 4 Jun 2021 22:47

Instrument :
MSVOA_N
ClientSampleId :
18-B10(2-4)

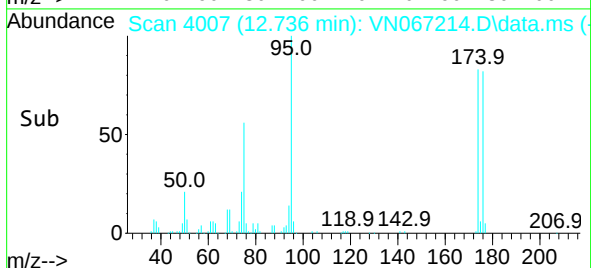
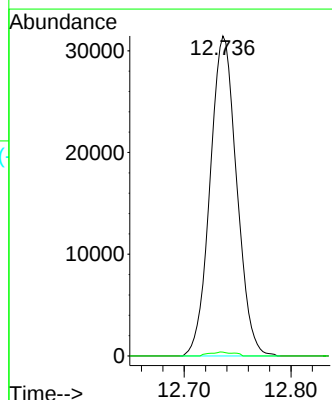
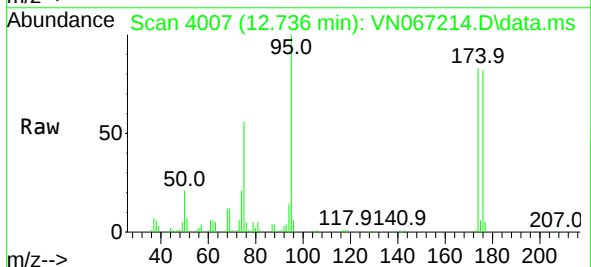


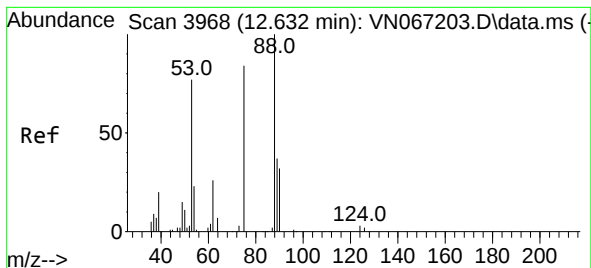
Tgt Ion:	43	Resp:	2716
Ion Ratio	100	Lower	Upper
70	0.0	36.7	55.1#
55	1.3	17.6	26.4#
61	0.0	18.9	28.3#



#76
1,2,3-Trichloropropane
Concen: 29.127 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. -0.150 min
Lab File: VN067214.D
Acq: 4 Jun 2021 22:47

Tgt Ion:	75	Resp:	54409
Ion Ratio	100	Lower	Upper
77	1.1	0.0	0.0#

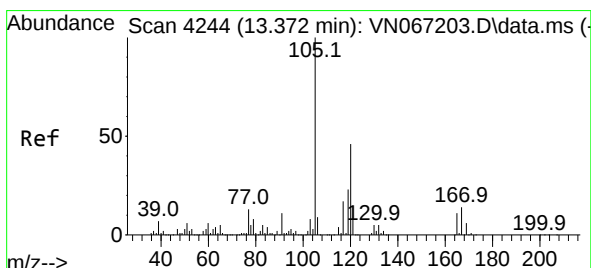
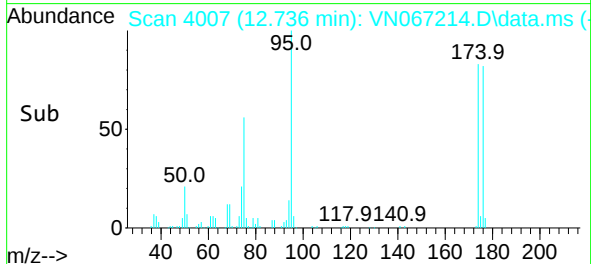
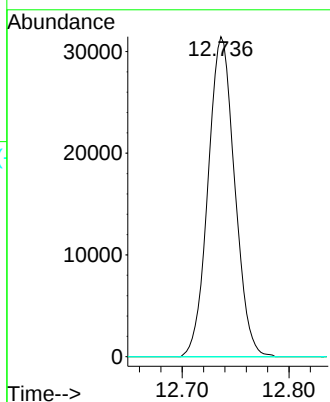
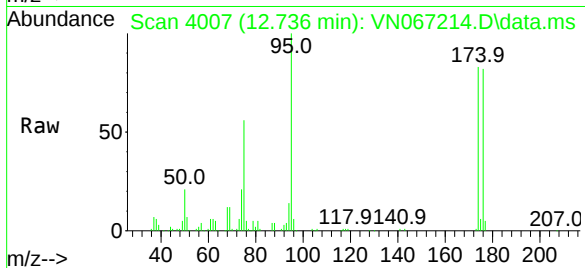




#81
trans-1,4-Dichloro-2-butene
Concen: 71.266 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.105 min
Lab File: VN067214.D
Acq: 4 Jun 2021 22:47

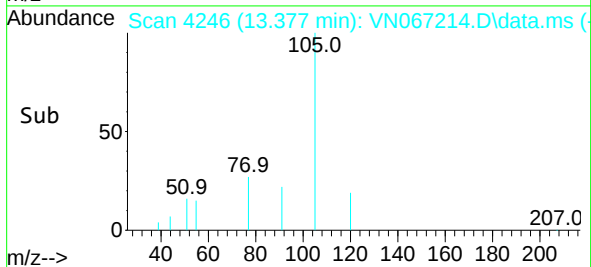
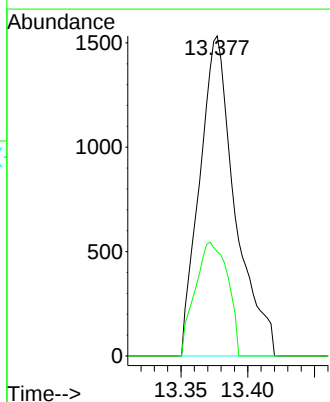
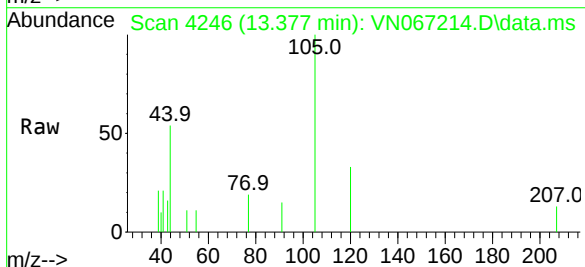
Instrument :
MSVOA_N
ClientSampleId :
18-B10(2-4)

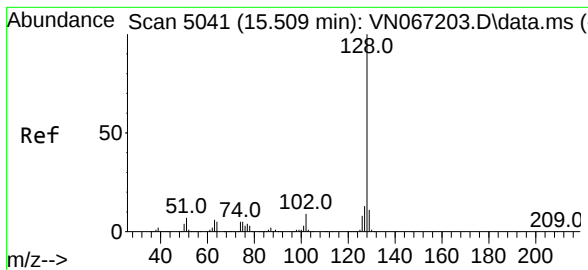
Tgt Ion: 75 Resp: 54409
Ion Ratio Lower Upper
75 100
53 0.0 66.3 99.5#
89 0.0 39.5 59.3#



#84
1,2,4-Trimethylbenzene
Concen: 0.444 ug/l
RT: 13.377 min Scan# 4246
Delta R.T. 0.005 min
Lab File: VN067214.D
Acq: 4 Jun 2021 22:47

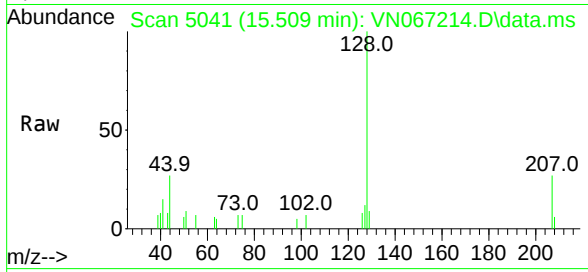
Tgt Ion: 105 Resp: 2827
Ion Ratio Lower Upper
105 100
120 32.6 23.8 71.2





#95
Naphthalene
Concen: 5.636 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.000 min
Lab File: VN067214.D
Acq: 4 Jun 2021 22:47

Instrument :
MSVOA_N
ClientSampleId :
18-B10(2-4)



Tgt Ion:128 Resp: 5742
Ion Ratio Lower Upper
128 100
127 4.3 10.2 15.2#
129 5.2 8.6 13.0#

