

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021221\
 Data File : VN065843.D
 Acq On : 12 Feb 2021 17:08
 Operator : JC/MD
 Sample : M1386-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 13 01:02:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N020321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Feb 03 14:50:04 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.145	128	17106	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.547	114	95856	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.376	117	84088	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.984	65	35686	30.08	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.27%
60) 4-Bromofluorobenzene	12.373	95	39780	29.08	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	96.93%
63) Toluene-d8	10.058	98	121573	30.07	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.23%
Target Compounds						
						Qvalue
4) Vinyl Chloride	2.165	62	713	0.48	ug/l	# 86
8) Diethyl Ether	3.374	74	2545	3.61	ug/l	# 95
12) Methyl Acetate	4.287	43	833	0.69	ug/l	# 50
13) Acrolein	3.779	56	247	1.52	ug/l	# 59
14) Acrylonitrile	4.766	53	9263	17.20	ug/l	# 12
15) Acetone	3.782	58	22900	139.01	ug/l	# 55
16) Carbon Disulfide	3.997	76	3849	1.23	ug/l	# 94
17) Allyl chloride	4.033	41	519	0.27	ug/l	# 74
23) tert-Butyl Alcohol	4.763	59	1120785	5818.20	ug/l	# 100
24) Methyl tert-Butyl Ether	4.997	73	12244	3.66	ug/l	# 72
26) Cyclohexane	8.068	56	861	0.44	ug/l	# 4
30) 2-Butanone	6.798	43	53087	76.61	ug/l	# 80
31) 2,2-Dichloropropane	6.798	77	68565	42.32	ug/l	# 52
34) Benzene	8.000	78	27736	5.80	ug/l	# 80
35) Methacrylonitrile	7.174	41	128632	176.68	ug/l	# 39
36) 1,2-Dichloroethane	8.081	62	1014	0.71	ug/l	# 74
43) Ethyl Acetate	6.798	43	53087	37.40	ug/l	# 1
44) Isopropyl Acetate	8.103	43	4316	1.76	ug/l	# 68
45) 1,4-Dioxane	9.171	88	2204	108.28	ug/l	# 85
46) Methyl methacrylate	9.013	41	1187	1.01	ug/l	# 31
47) n-amyl Acetate	11.913	43	600	0.29	ug/l	# 95
48) t-1,3-Dichloropropene	10.241	75	2687	1.53	ug/l	# 42
50) 1,1,2-Trichloroethane	10.431	97	257	0.24	ug/l	# 15
55) 2-Chloroethyl vinyl ether	10.122	63	2118	2.75	ug/l	# 1
58) 4-Methyl-2-Pentanone	9.952	43	12555	8.99	ug/l	# 97
59) 2-Hexanone	10.688	43	104198	104.22	ug/l	# 32
62) Toluene	10.122	91	31212	6.35	ug/l	# 99
64) Chlorobenzene	11.402	112	4805	1.66	ug/l	# 97
66) Ethyl Benzene	11.483	91	37196	7.07	ug/l	# 100
67) m/p-Xylenes	11.589	106	30811	15.72	ug/l	# 96
68) o-Xylene	11.917	106	18213	9.54	ug/l	# 98
69) Styrene	11.933	104	2419	0.78	ug/l	# 1
70) Isopropylbenzene	12.219	105	7113	1.45	ug/l	# 97
71) 1,1,2,2-Tetrachloroethane	12.396	83	582	0.40	ug/l	# 6
72) 1,2,3-Trichloropropane	12.373	75	18431	13.08	ug/l	# 1
74) n-propylbenzene	12.563	91	2053	0.36	ug/l	# 78
75) 2-Chlorotoluene	12.634	91	1680	0.49	ug/l	# 52
76) 1,3,5-Trimethylbenzene	12.701	105	6454	1.57	ug/l	# 94
77) t-1,4-Dichloro-2-butene	12.203	75	398	0.72	ug/l	# 14

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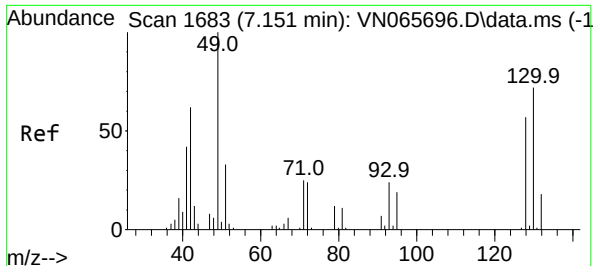
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

79) tert-butylbenzene	13.206	119	1363	0.40	ug/l	68
80) 1,2,4-Trimethylbenzene	13.010	105	21313	5.19	ug/l	100
81) sec-Butylbenzene	13.142	105	1243	0.27	ug/l	80
82) p-Isopropyltoluene	13.261	119	13182	3.27	ug/l	96
83) 1,3-Dichlorobenzene	13.335	146	11657	6.03	ug/l	97
84) 1,4-Dichlorobenzene	13.335	146	11657	6.15	ug/l	96
85) n-Butylbenzene	13.772	91	2212	0.63	ug/l	66
86) Hexachloroethane	13.849	117	498	0.71	ug/l #	1
87) 1,2-Dichlorobenzene	13.624	146	1021	0.53	ug/l	92
88) 1,2-Dibromo-3-Chloropr...	14.193	75	173	0.62	ug/l #	1
91) Naphthalene	15.100	128	145667	45.19	ug/l	99
92) 1,2,3-Trichlorobenzene	15.277	180	365	0.36	ug/l #	66

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

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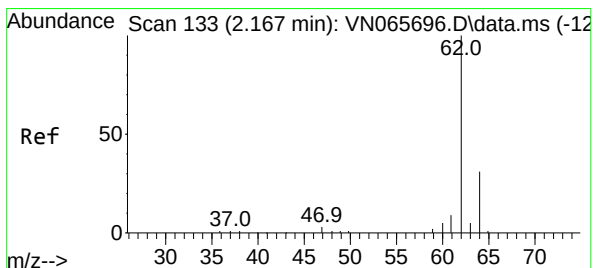
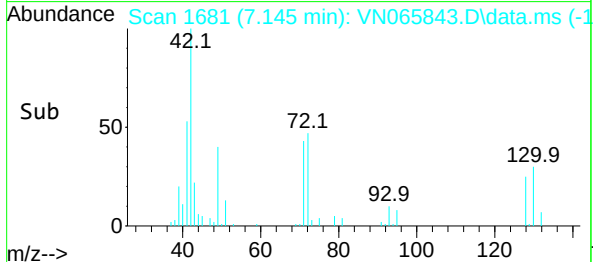
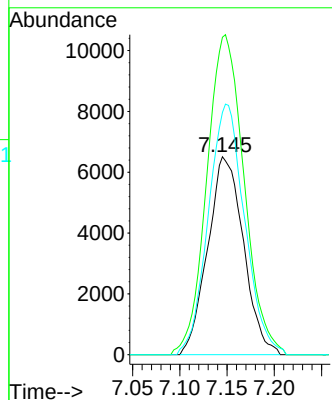
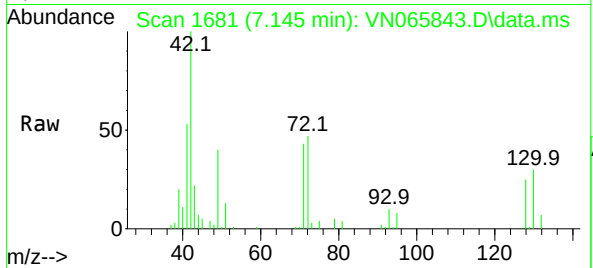




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.145 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

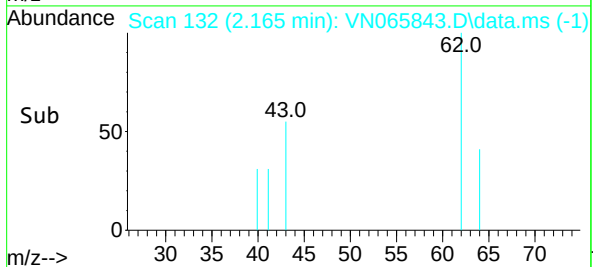
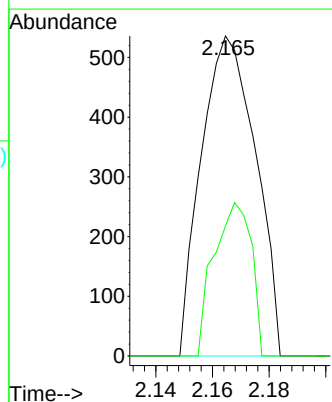
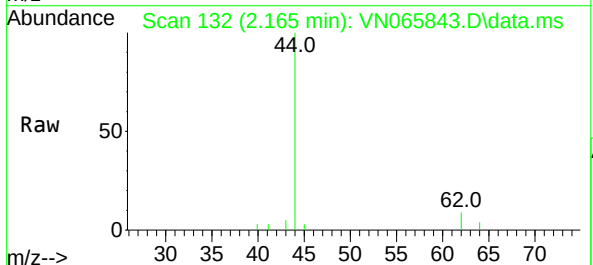
Instrument :
MSVOA_N
ClientSampled :

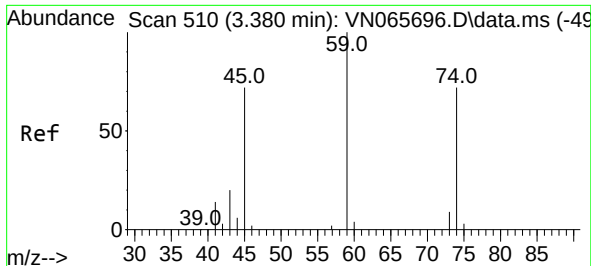
Tgt Ion:128 Resp: 17106
Ion Ratio Lower Upper
128 100
49 168.4 0.0 355.0
130 129.0 0.0 325.5



#4
Vinyl Chloride
Concen: 0.48 ug/l
RT: 2.165 min Scan# 132
Delta R.T. -0.003 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

Tgt Ion: 62 Resp: 713
Ion Ratio Lower Upper
62 100
64 40.7 26.2 39.4#

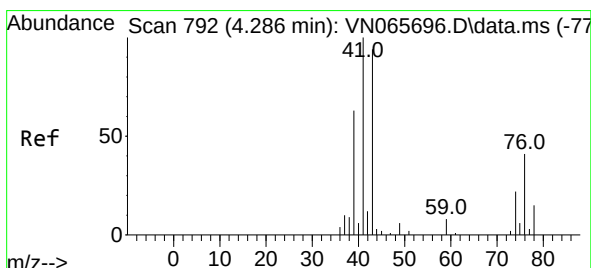
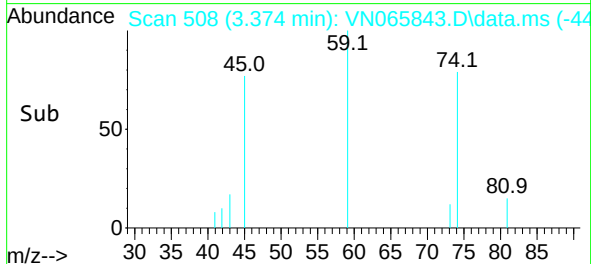
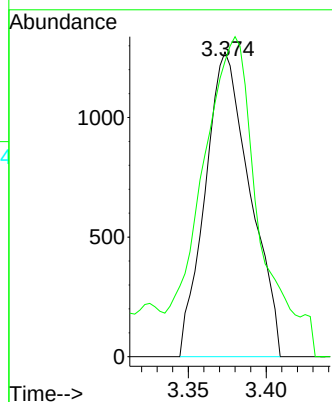
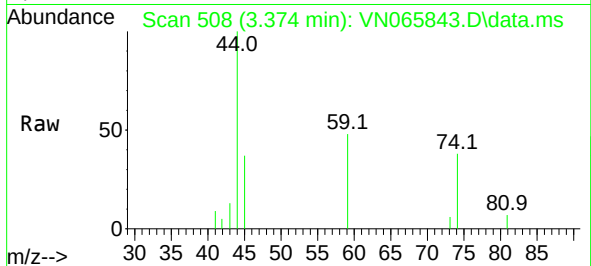




#8
Diethyl Ether
Concen: 3.61 ug/l
RT: 3.374 min Scan# 508
Delta R.T. -0.006 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

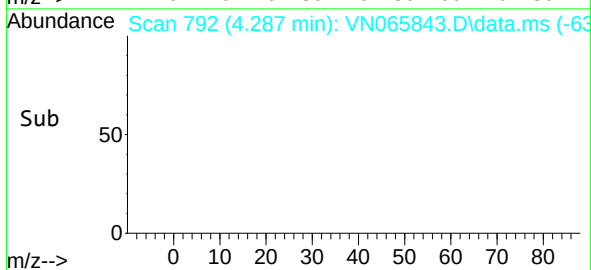
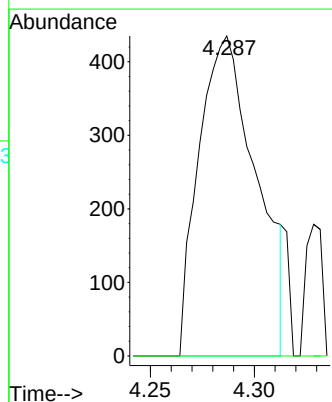
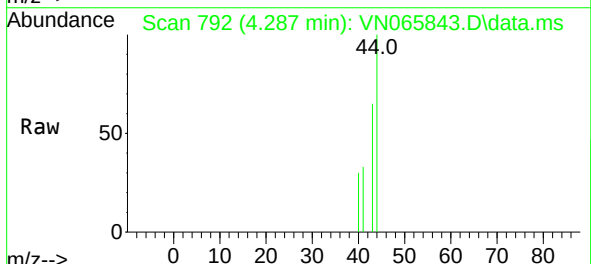
Instrument :
MSVOA_N
ClientSampled :

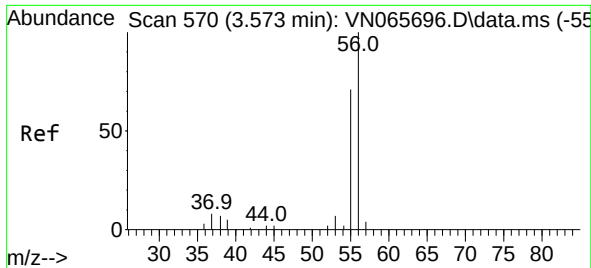
Tgt Ion: 74 Resp: 2545
Ion Ratio Lower Upper
74 100
45 97.7 18.5 166.9



#12
Methyl Acetate
Concen: 0.69 ug/l
RT: 4.287 min Scan# 792
Delta R.T. 0.000 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

Tgt Ion: 43 Resp: 833
Ion Ratio Lower Upper
43 100
74 0.0 19.9 29.9#

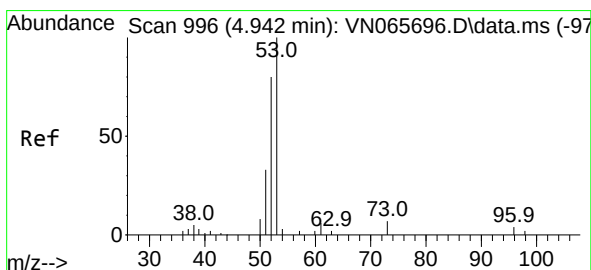
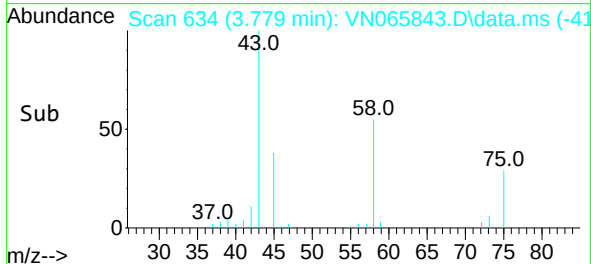
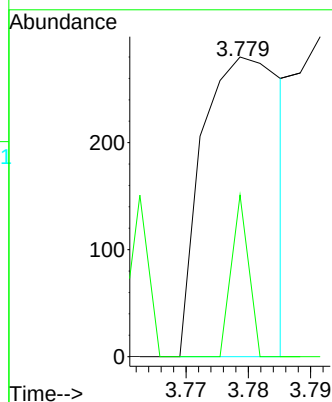
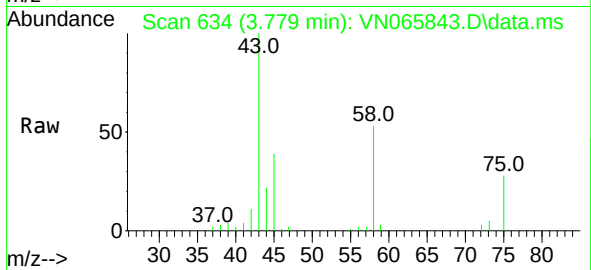




#13
Acrolein
Concen: 1.52 ug/l
RT: 3.779 min Scan# 634
Delta R.T. 0.206 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

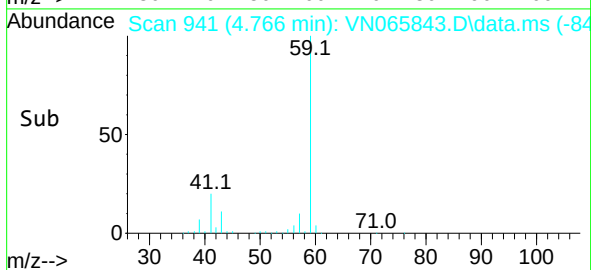
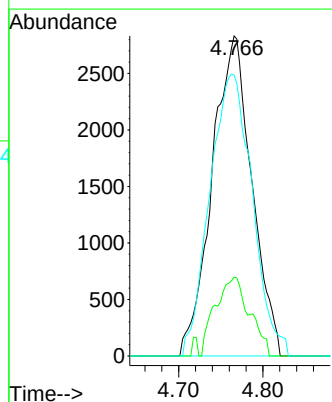
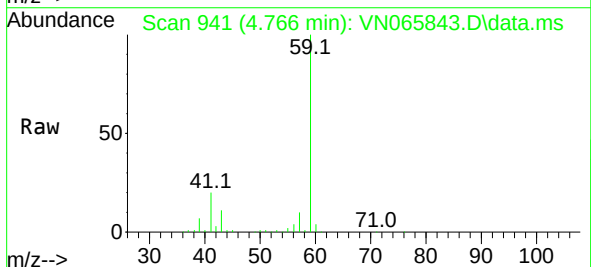
Instrument :
MSVOA_N
ClientSampled :

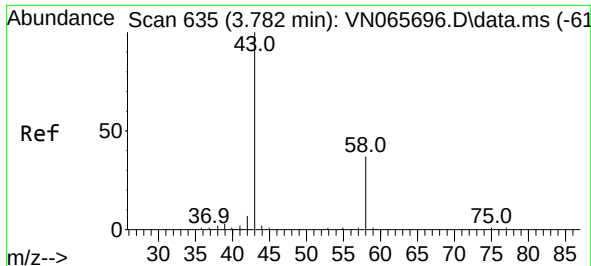
Tgt Ion: 56 Resp: 247
Ion Ratio Lower Upper
56 100
55 38.1 57.7 86.5#



#14
Acrylonitrile
Concen: 17.20 ug/l
RT: 4.766 min Scan# 941
Delta R.T. -0.177 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

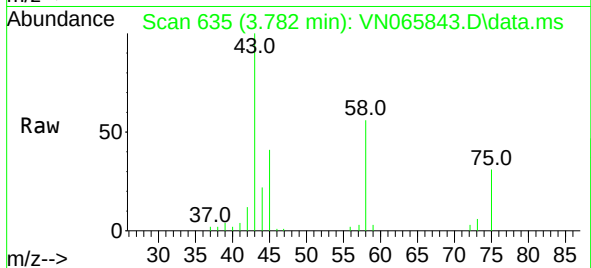
Tgt Ion: 53 Resp: 9263
Ion Ratio Lower Upper
53 100
52 7.0 40.7 122.1#
51 94.1 18.3 54.8#



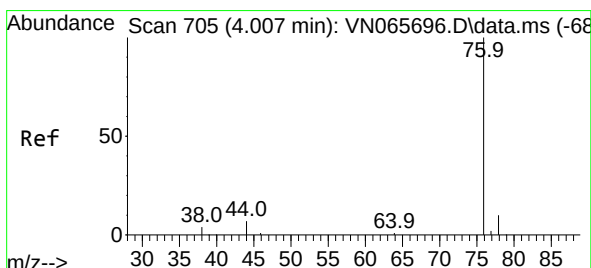
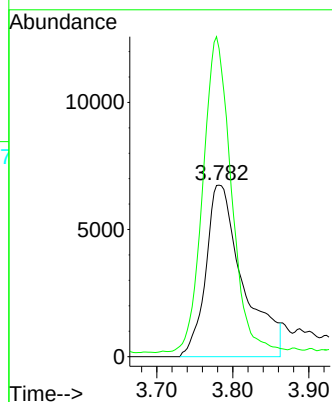
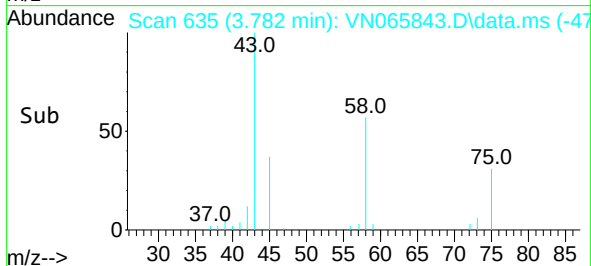


#15
Acetone
Concen: 139.01 ug/l
RT: 3.782 min Scan# 635
Delta R.T. 0.000 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

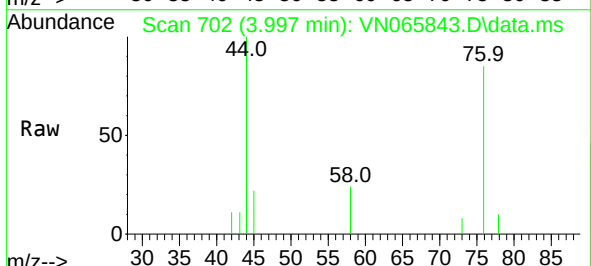
Instrument :
MSVOA_N
ClientSampled :



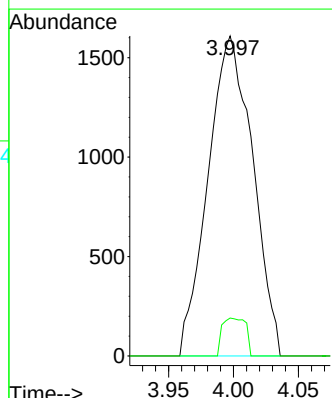
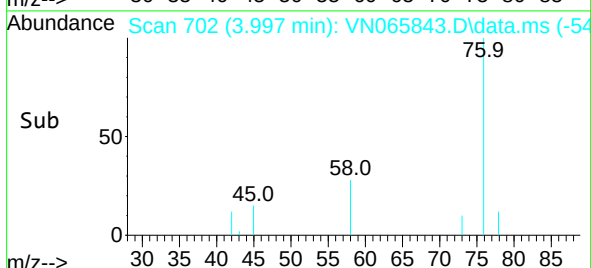
Tgt Ion: 58 Resp: 22900
Ion Ratio Lower Upper
58 100
43 174.8 203.4 305.0#

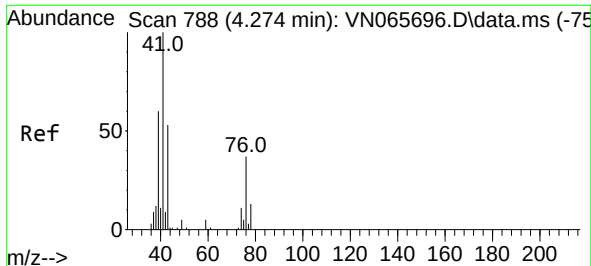


#16
Carbon Disulfide
Concen: 1.23 ug/l
RT: 3.997 min Scan# 702
Delta R.T. -0.009 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08



Tgt Ion: 76 Resp: 3849
Ion Ratio Lower Upper
76 100
78 11.9 7.8 11.8#





#17

Allyl chloride

Concen: 0.27 ug/l

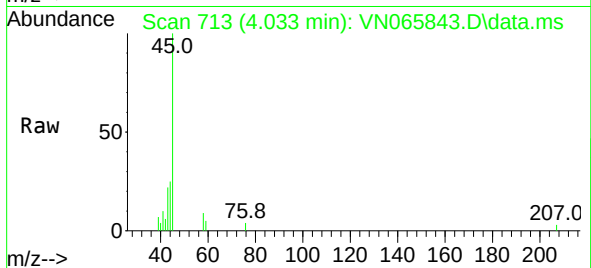
RT: 4.033 min Scan# 713

Delta R.T. -0.241 min

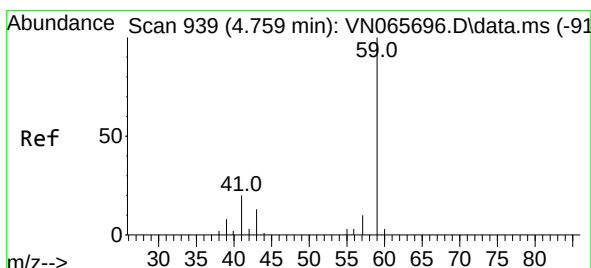
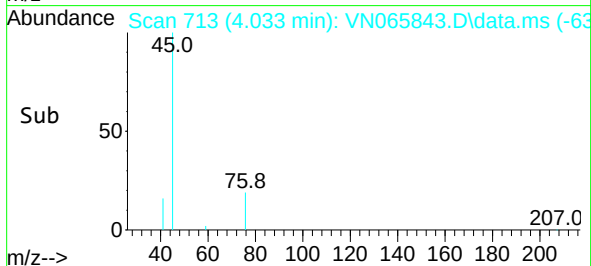
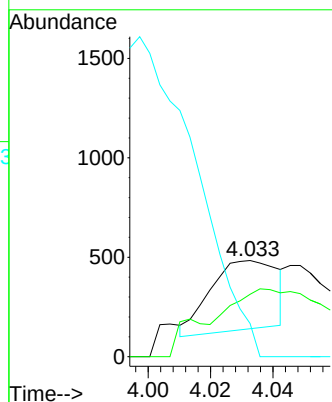
Lab File: VN065843.D

Acq: 12 Feb 2021 17:08

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 41	Resp: 519
Ion Ratio	Lower Upper
41	100
39	42.3 33.5 100.5
76	51.2 20.3 60.8



#23

tert-Butyl Alcohol

Concen: 5818.20 ug/l

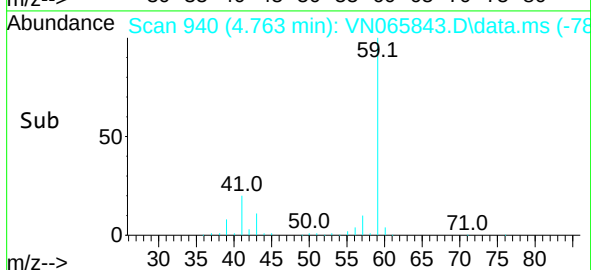
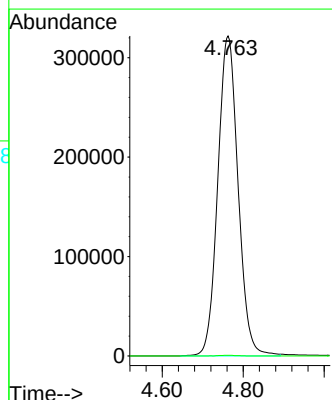
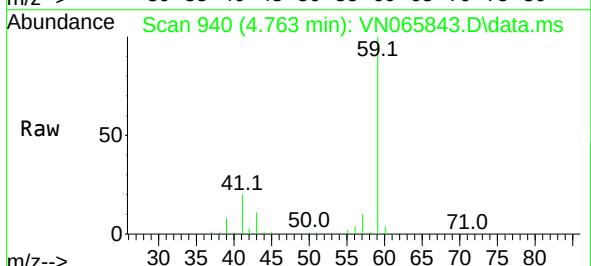
RT: 4.763 min Scan# 940

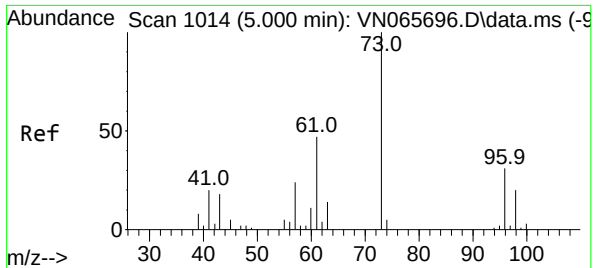
Delta R.T. 0.004 min

Lab File: VN065843.D

Acq: 12 Feb 2021 17:08

Tgt Ion: 59	Resp: 1120785
Ion Ratio	Lower Upper
59	100
52	0.1 0.0 0.0#

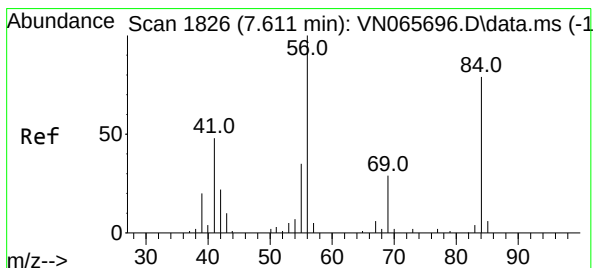
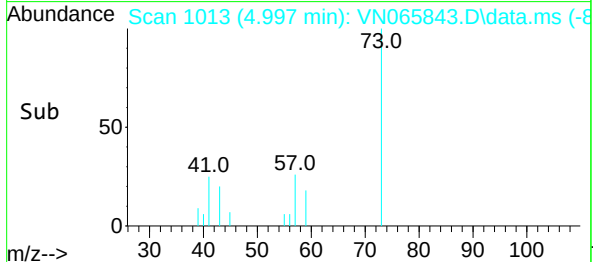
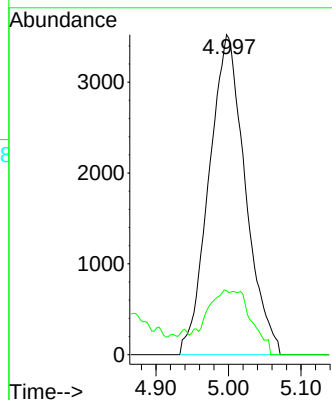
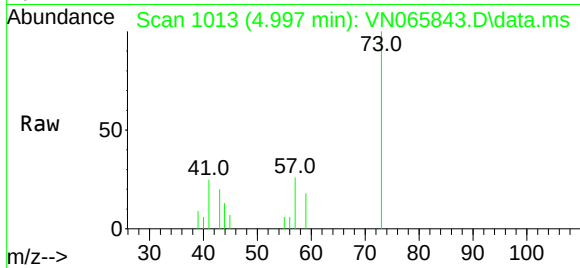




#24
Methyl tert-Butyl Ether
Concen: 3.66 ug/l
RT: 4.997 min Scan# 1013
Delta R.T. -0.003 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

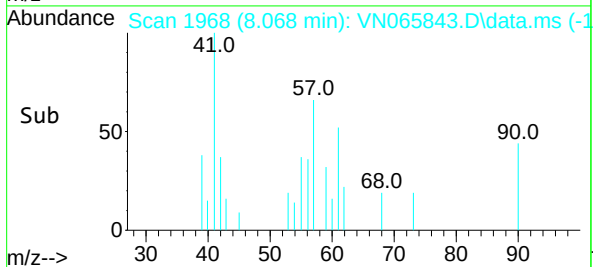
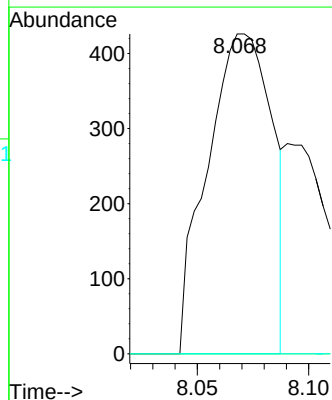
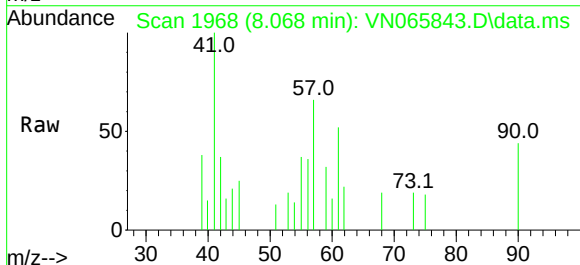
Instrument :
MSVOA_N
ClientSampled :

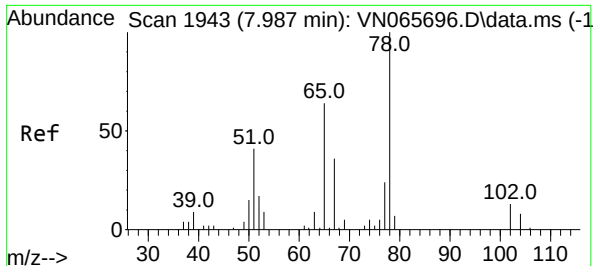
Tgt Ion: 73 Resp: 12244
Ion Ratio Lower Upper
73 100
43 6.5 15.4 23.2#



#26
Cyclohexane
Concen: 0.44 ug/l
RT: 8.068 min Scan# 1968
Delta R.T. 0.457 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

Tgt Ion: 56 Resp: 861
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 0.0 72.8 109.2#





#27

1,2-Dichloroethane-d4

Concen: 30.08 ug/l

RT: 7.984 min Scan# 1942

Delta R.T. -0.003 min

Lab File: VN065843.D

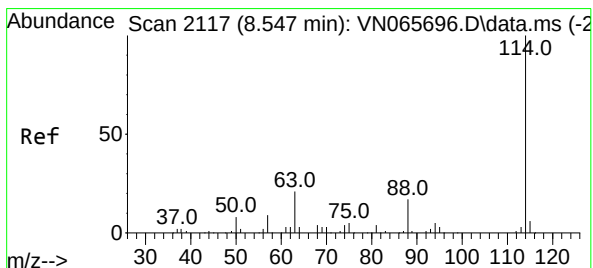
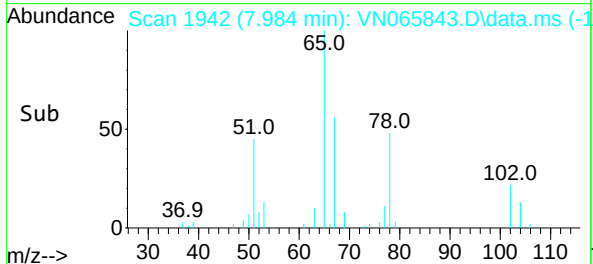
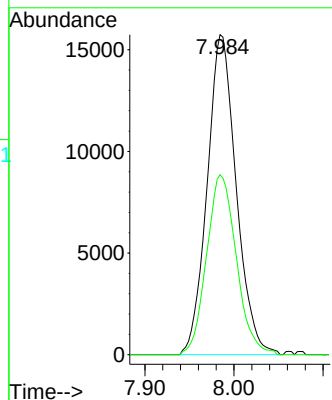
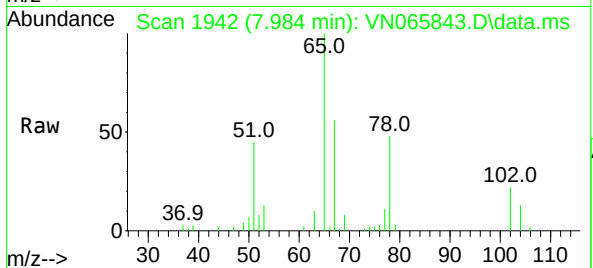
Acq: 12 Feb 2021 17:08

Tgt Ion: 65 Resp: 35686

Ion Ratio Lower Upper

65 100

67 57.6 42.8 64.2



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.547 min Scan# 2117

Delta R.T. 0.000 min

Lab File: VN065843.D

Acq: 12 Feb 2021 17:08

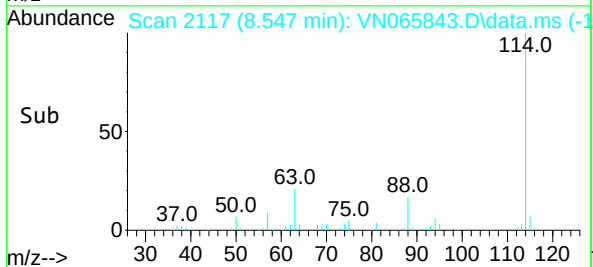
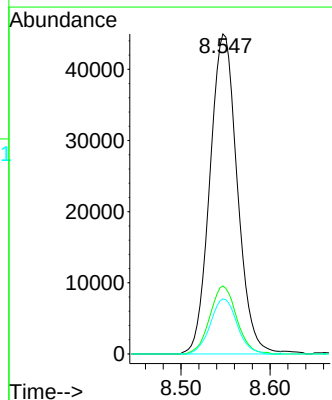
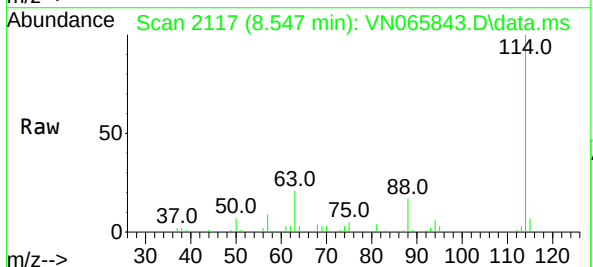
Tgt Ion: 114 Resp: 95856

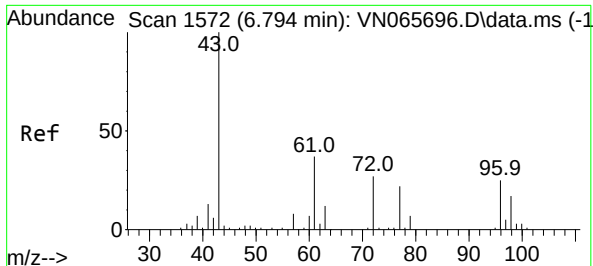
Ion Ratio Lower Upper

114 100

63 20.7 14.7 22.1

88 16.8 11.7 17.5

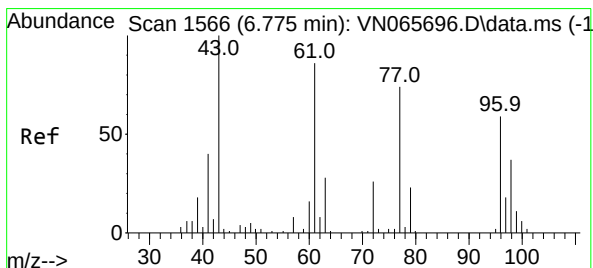
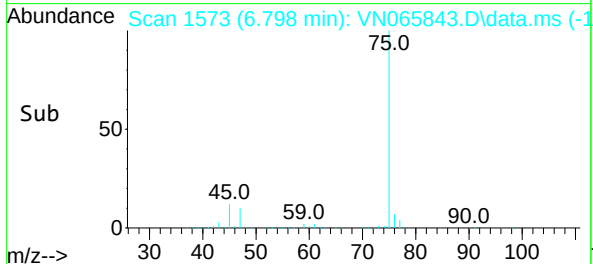
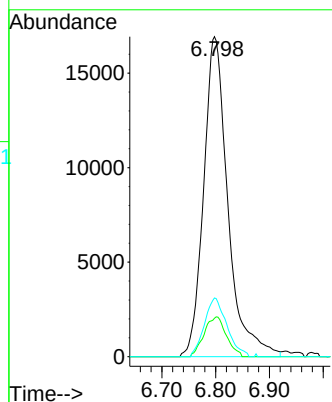
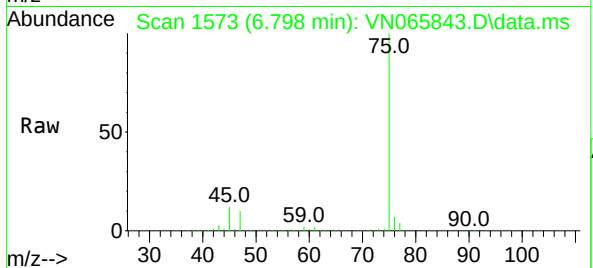




#30
2-Butanone
Concen: 76.61 ug/l
RT: 6.798 min Scan# 1573
Delta R.T. 0.004 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

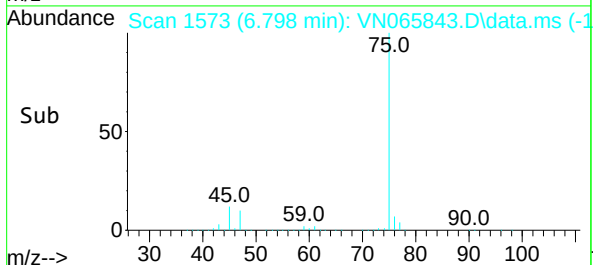
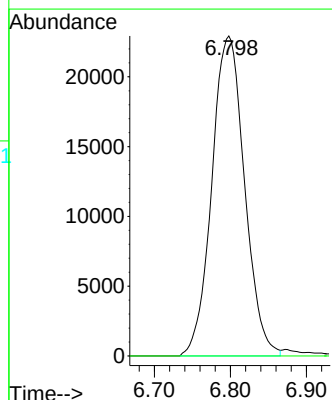
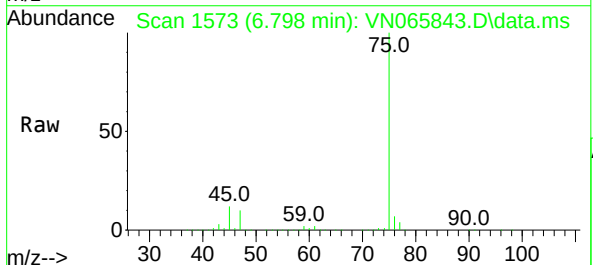
Instrument :
MSVOA_N
ClientSampled :

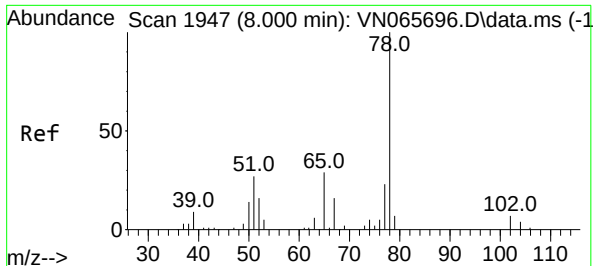
Tgt Ion: 43 Resp: 53087
Ion Ratio Lower Upper
43 100
57 11.4 7.0 10.4#
72 16.9 23.6 35.4#



#31
2,2-Dichloropropane
Concen: 42.32 ug/l
RT: 6.798 min Scan# 1573
Delta R.T. 0.023 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

Tgt Ion: 77 Resp: 68565
Ion Ratio Lower Upper
77 100
97 0.0 19.0 28.4#

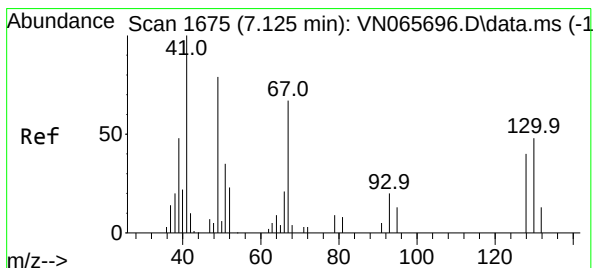
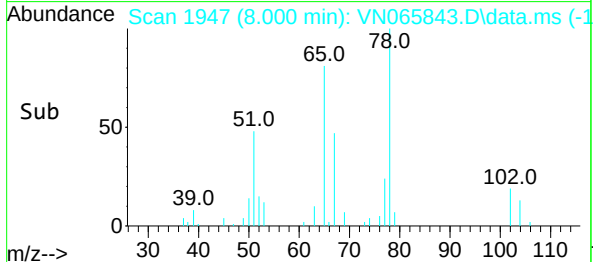
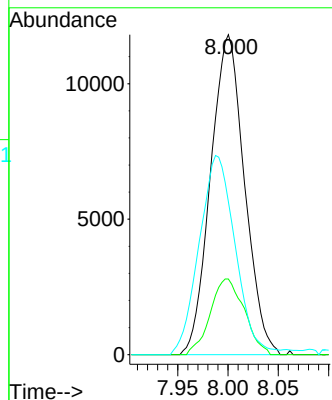
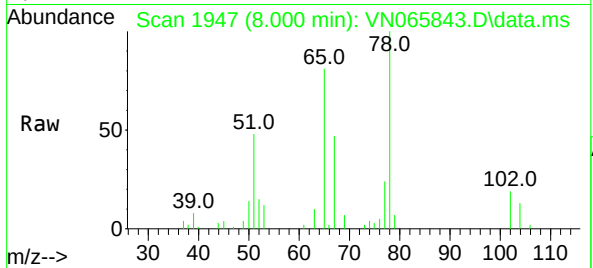




#34
Benzene
Concen: 5.80 ug/l
RT: 8.000 min Scan# 1947
Delta R.T. 0.000 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

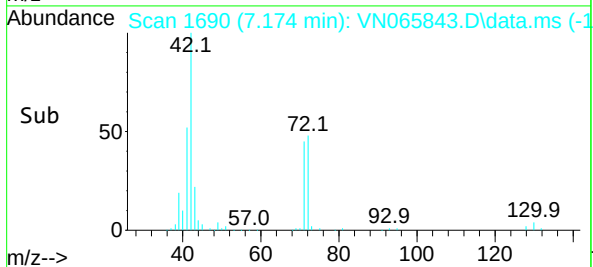
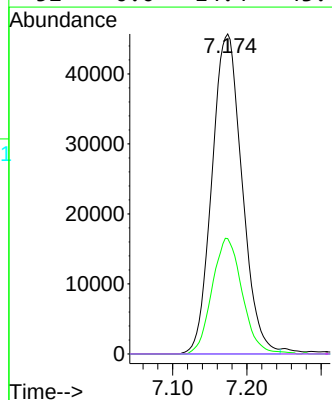
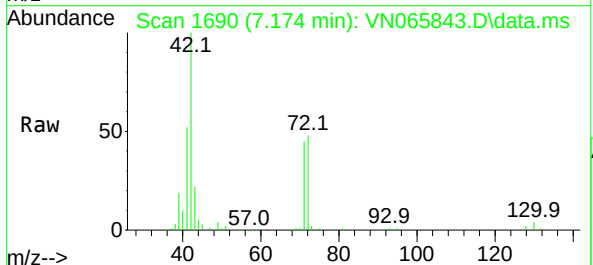
Instrument :
MSVOA_N
ClientSampled :

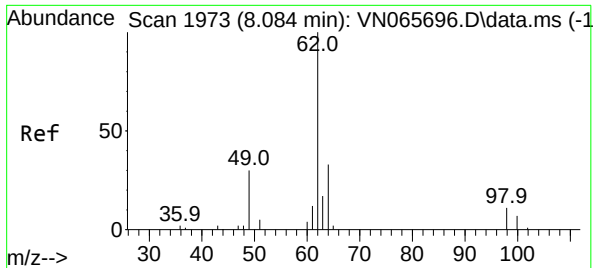
Tgt Ion: 78 Resp: 27736
Ion Ratio Lower Upper
78 100
77 23.6 19.0 28.6
51 46.4 22.1 33.1#



#35
Methacrylonitrile
Concen: 176.68 ug/l
RT: 7.174 min Scan# 1690
Delta R.T. 0.049 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

Tgt Ion: 41 Resp: 128632
Ion Ratio Lower Upper
41 100
39 36.0 26.8 80.3
67 0.0 38.0 113.9#
52 0.0 14.4 43.4#

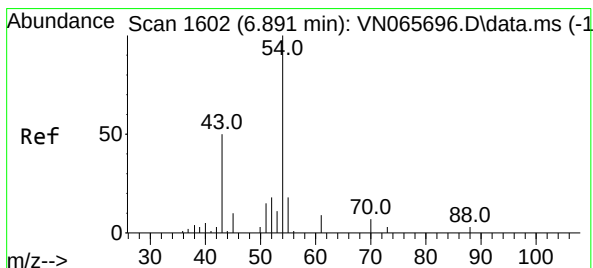
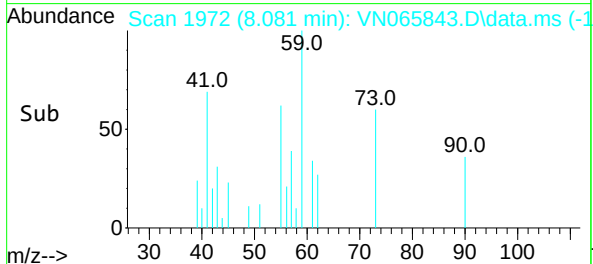
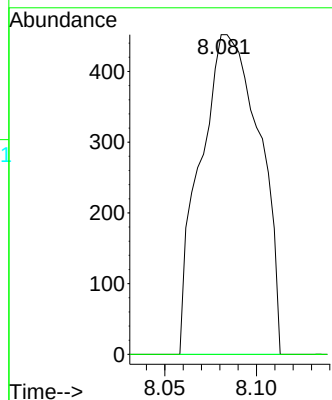
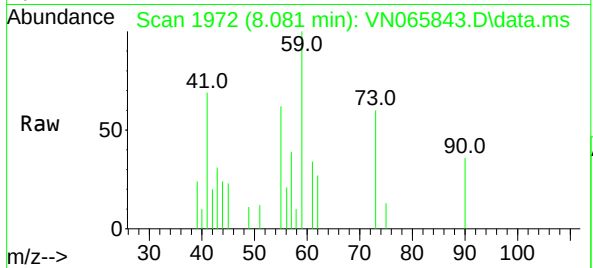




#36
1,2-Dichloroethane
Concen: 0.71 ug/l
RT: 8.081 min Scan# 1972
Delta R.T. -0.003 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

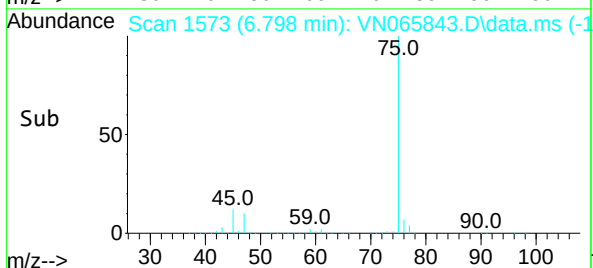
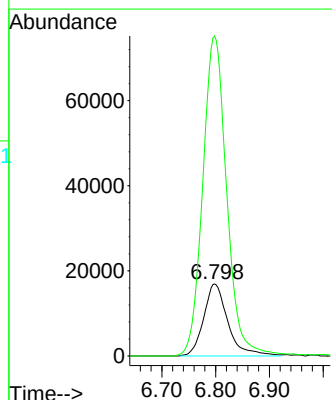
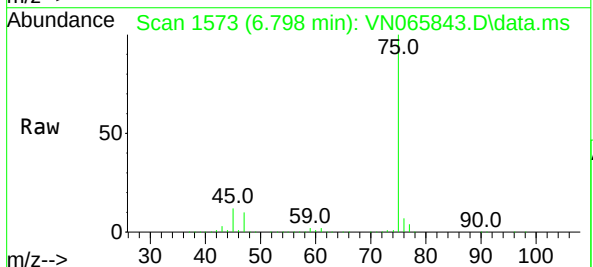
Instrument :
MSVOA_N
ClientSampled :

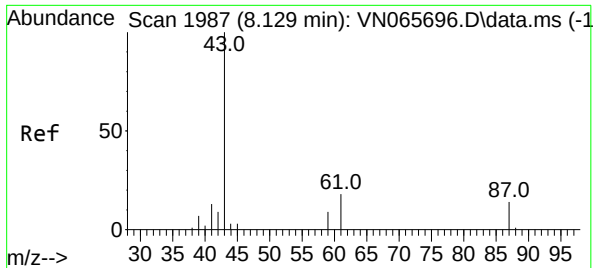
Tgt Ion: 62 Resp: 1014
Ion Ratio Lower Upper
62 100
98 0.0 7.4 11.2#



#43
Ethyl Acetate
Concen: 37.40 ug/l
RT: 6.798 min Scan# 1573
Delta R.T. -0.093 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

Tgt Ion: 43 Resp: 53087
Ion Ratio Lower Upper
43 100
45 438.6 12.9 19.3#

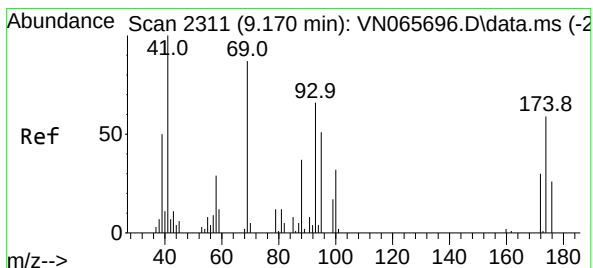
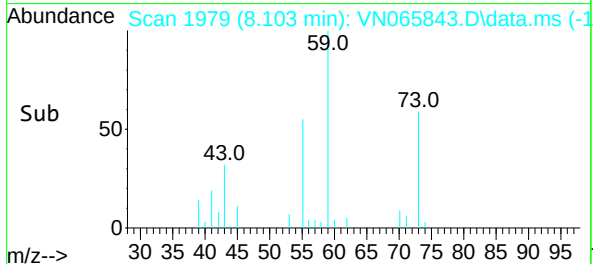
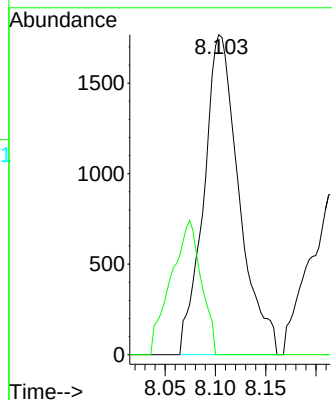
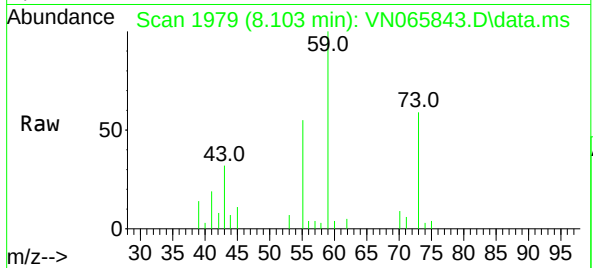




#44
Isopropyl Acetate
Concen: 1.76 ug/l
RT: 8.103 min Scan# 1979
Delta R.T. -0.025 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

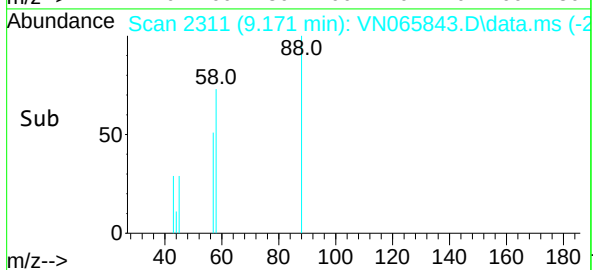
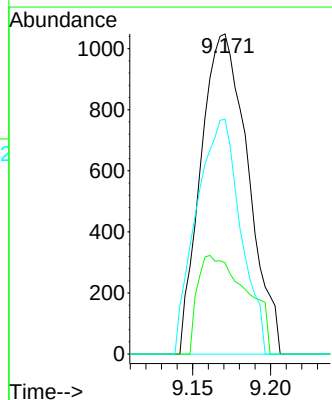
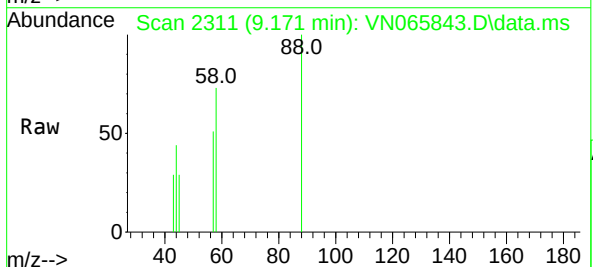
Instrument :
MSVOA_N
ClientSampleId :

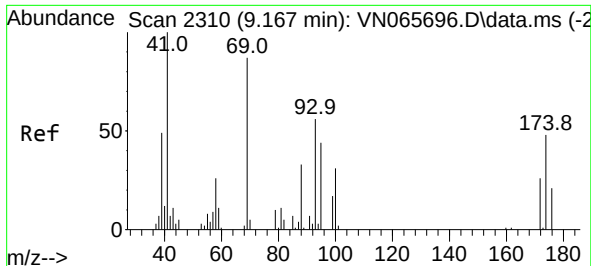
Tgt Ion: 43 Resp: 4316
Ion Ratio Lower Upper
43 100
61 35.9 16.8 25.2#



#45
1,4-Dioxane
Concen: 108.28 ug/l
RT: 9.171 min Scan# 2311
Delta R.T. 0.000 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

Tgt Ion: 88 Resp: 2204
Ion Ratio Lower Upper
88 100
43 12.2 28.3 42.5#
58 68.6 53.8 80.6

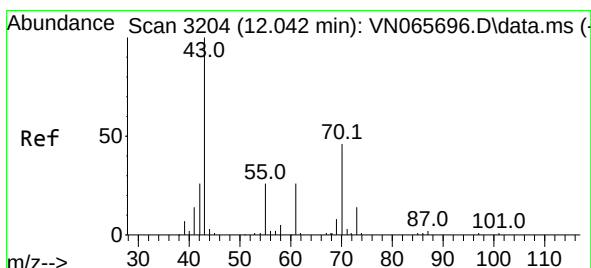
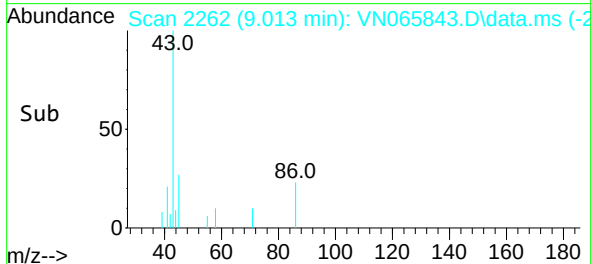
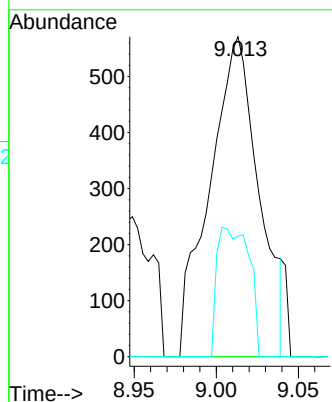
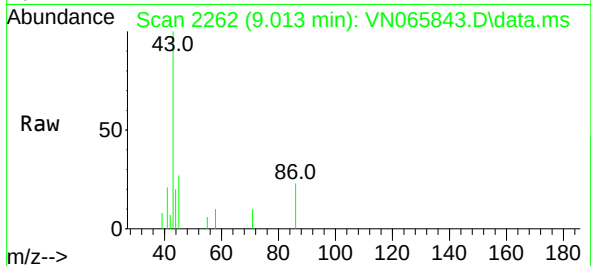




#46
Methyl methacrylate
Concen: 1.01 ug/l
RT: 9.013 min Scan# 2262
Delta R.T. -0.154 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

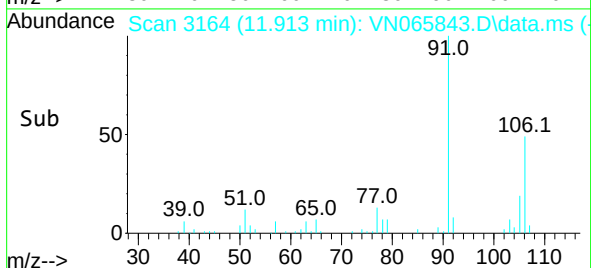
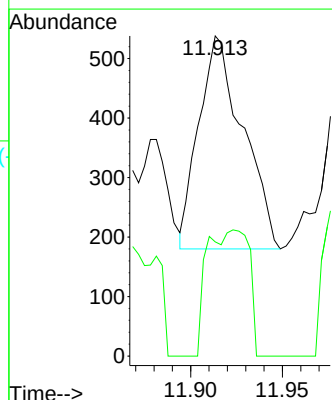
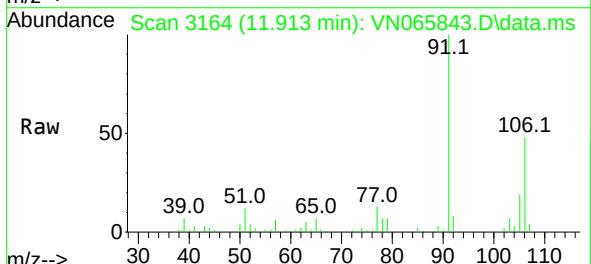
Instrument :
MSVOA_N
ClientSampled :

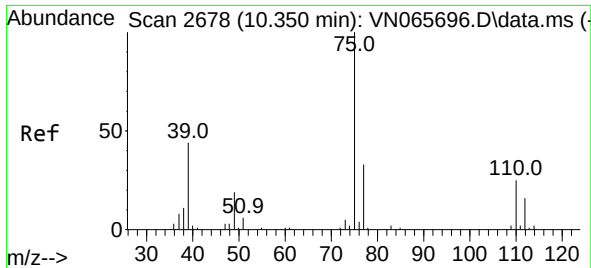
Tgt Ion: 41 Resp: 1187
Ion Ratio Lower Upper
41 100
69 0.0 46.3 138.8#
39 37.7 26.8 80.3



#47
n-amyl Acetate
Concen: 0.29 ug/l
RT: 11.913 min Scan# 3164
Delta R.T. -0.128 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

Tgt Ion: 43 Resp: 600
Ion Ratio Lower Upper
43 100
55 23.8 21.3 31.9

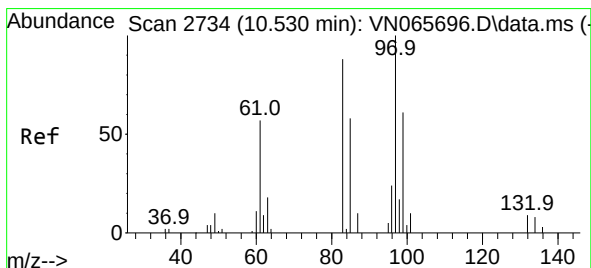
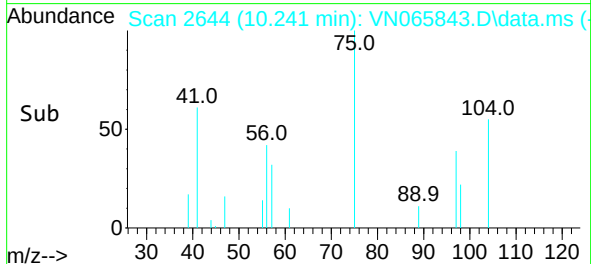
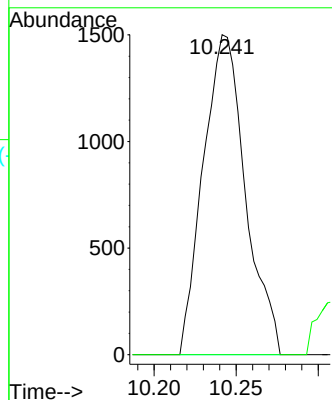
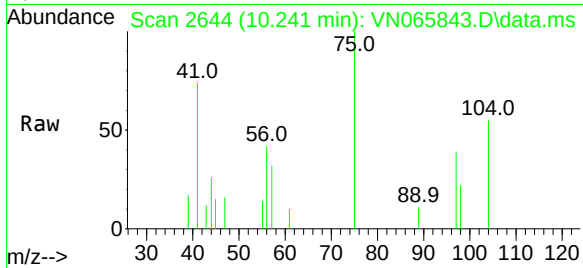




#48
t-1,3-Dichloropropene
Concen: 1.53 ug/l
RT: 10.241 min Scan# 2644
Delta R.T. -0.109 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

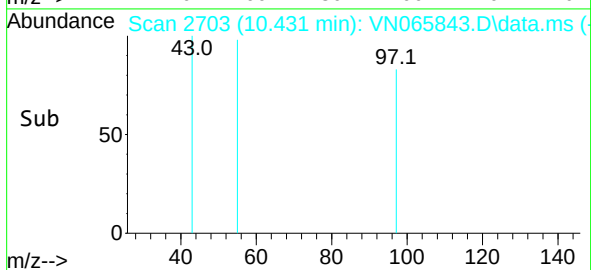
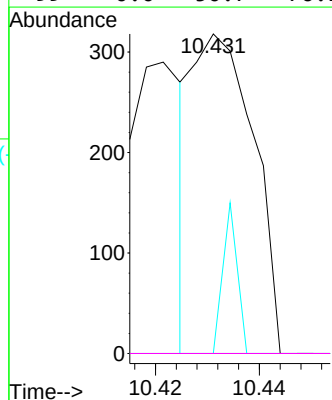
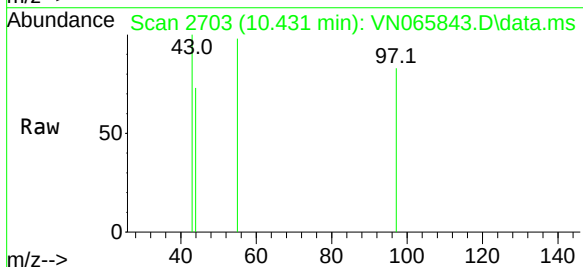
Instrument :
MSVOA_N
ClientSampled :

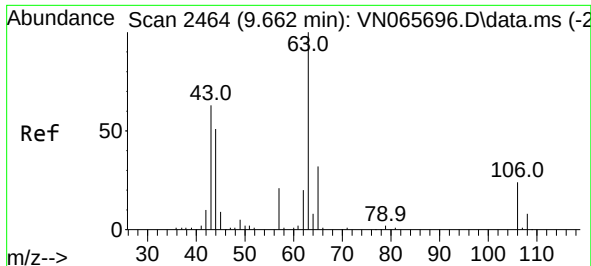
Tgt Ion: 75 Resp: 2687
Ion Ratio Lower Upper
75 100
77 0.0 26.5 39.7#



#50
1,1,2-Trichloroethane
Concen: 0.24 ug/l
RT: 10.431 min Scan# 2703
Delta R.T. -0.099 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

Tgt Ion: 97 Resp: 257
Ion Ratio Lower Upper
97 100
83 0.0 68.4 102.6#
85 0.0 42.8 64.2#
99 0.0 50.7 76.1#

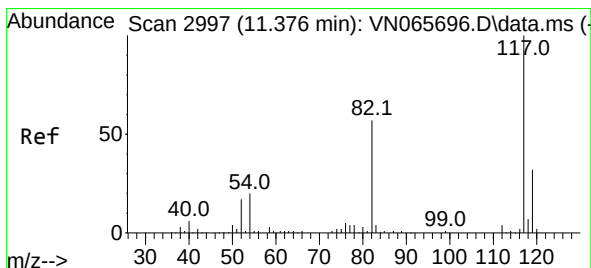
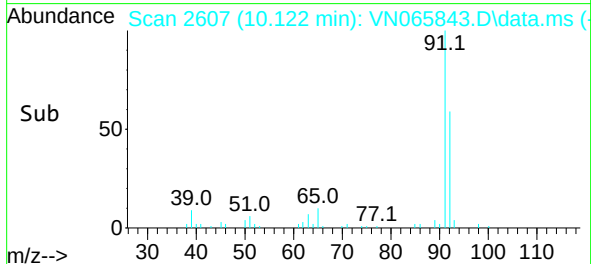
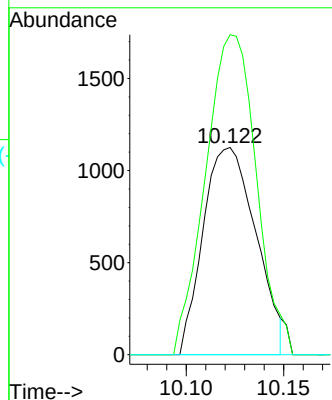
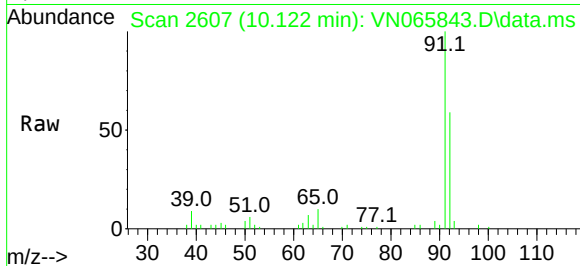




#55
2-Chloroethyl vinyl ether
Concen: 2.75 ug/l
RT: 10.122 min Scan# 2607
Delta R.T. 0.460 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

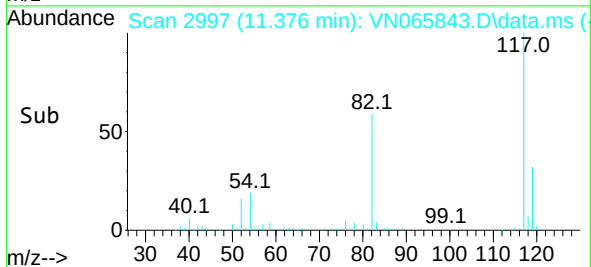
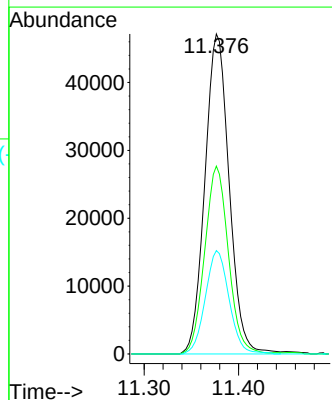
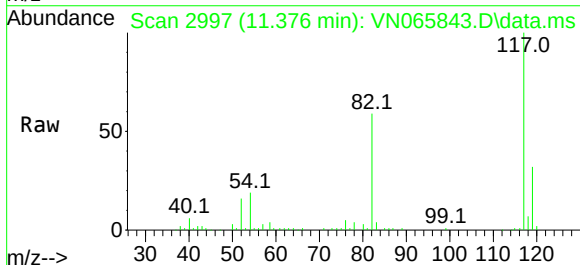
Instrument :
MSVOA_N
ClientSampled :

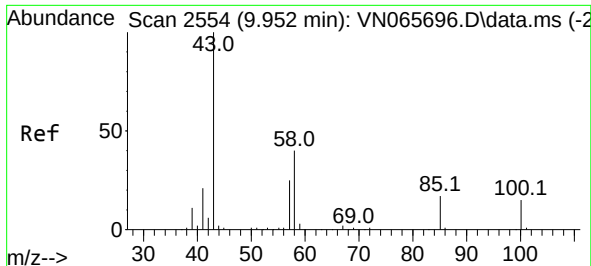
Tgt Ion: 63 Resp: 2118
Ion Ratio Lower Upper
63 100
65 147.4 25.7 38.5#
106 0.0 23.1 34.7#



#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

Tgt Ion: 117 Resp: 84088
Ion Ratio Lower Upper
117 100
82 57.4 41.3 61.9
119 31.6 25.7 38.5

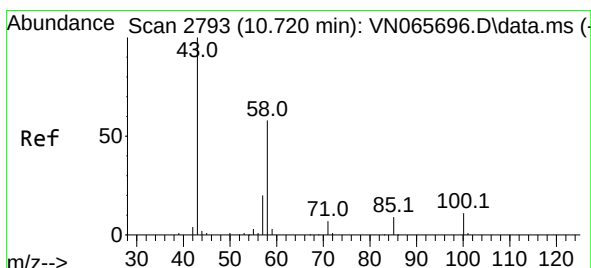
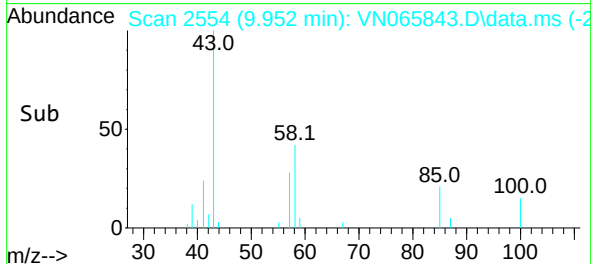
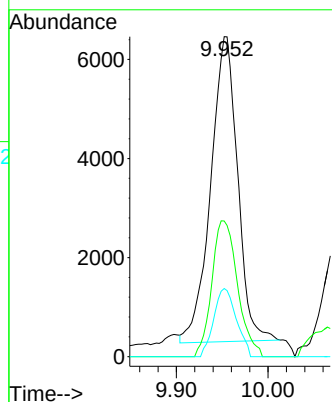
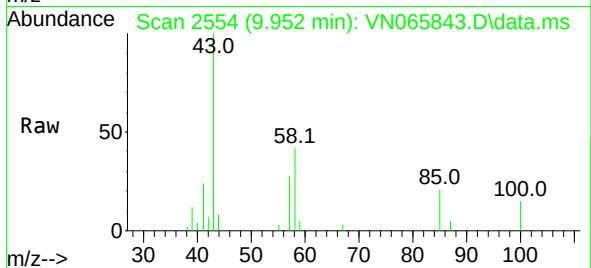




#58
4-Methyl-2-Pentanone
Concen: 8.99 ug/l
RT: 9.952 min Scan# 2554
Delta R.T. 0.000 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

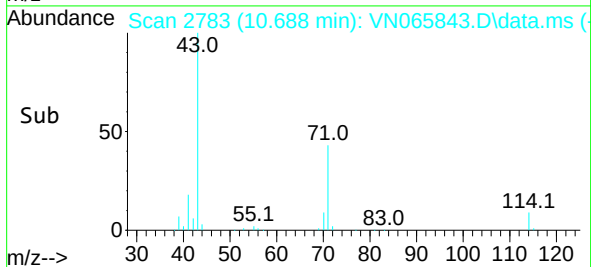
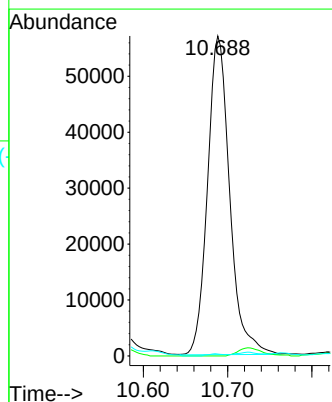
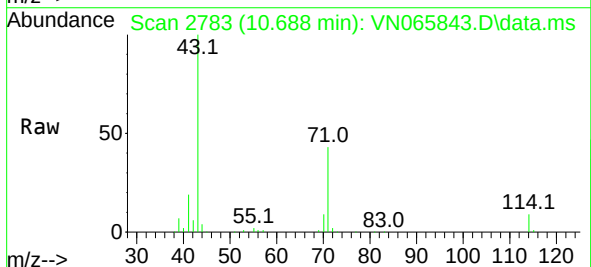
Instrument :
MSVOA_N
ClientSampled :

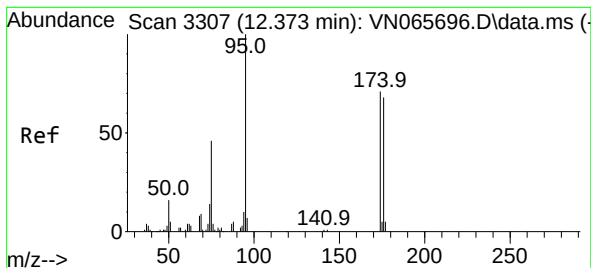
Tgt Ion:	43	Resp:	12555
Ion	Ratio	Lower	Upper
43	100		
58	42.5	32.7	49.1
85	18.7	16.0	24.0



#59
2-Hexanone
Concen: 104.22 ug/l
RT: 10.688 min Scan# 2783
Delta R.T. -0.032 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

Tgt Ion:	43	Resp:	104198
Ion	Ratio	Lower	Upper
43	100		
58	0.0	45.4	68.0#
57	0.5	15.8	23.8#

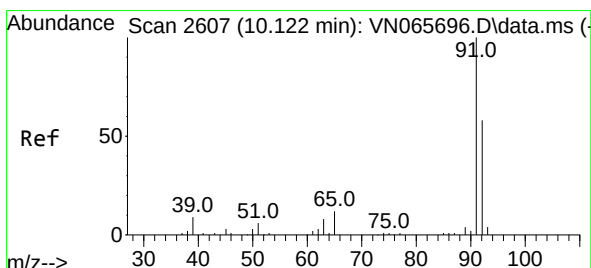
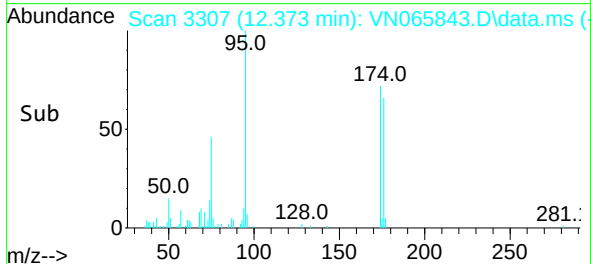
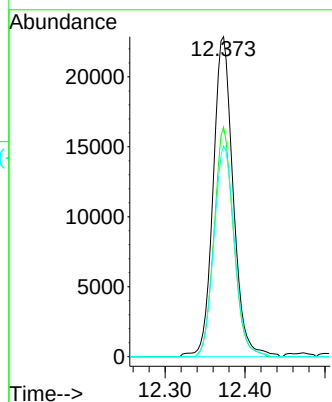
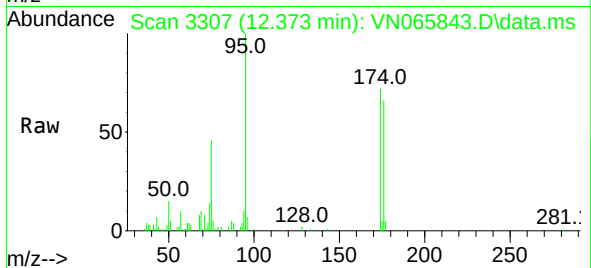




#60
4-Bromofluorobenzene
Concen: 29.08 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.000 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

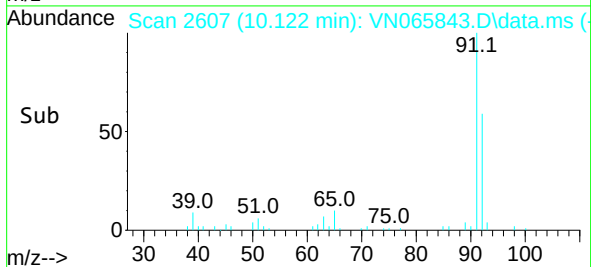
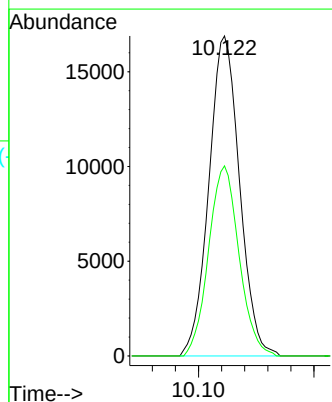
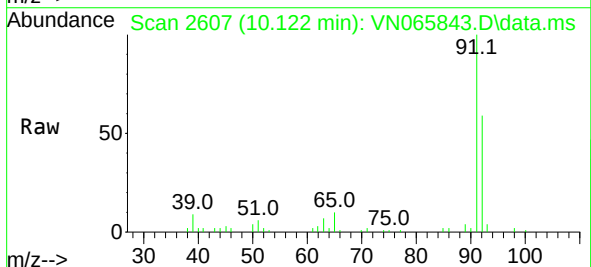
Tgt Ion: 95 Resp: 39780
Ion Ratio Lower Upper
95 100
174 69.8 77.0 115.6#
176 67.6 75.8 113.6#

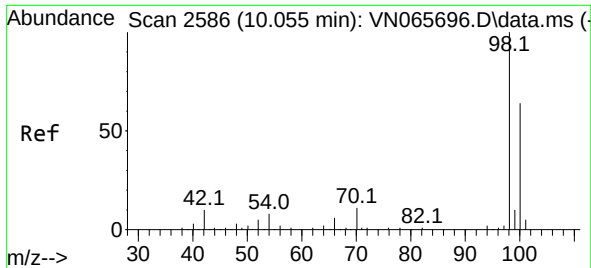
Instrument :
MSVOA_N
ClientSampled :



#62
Toluene
Concen: 6.35 ug/l
RT: 10.122 min Scan# 2607
Delta R.T. 0.000 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

Tgt Ion: 91 Resp: 31212
Ion Ratio Lower Upper
91 100
92 58.8 46.2 69.4

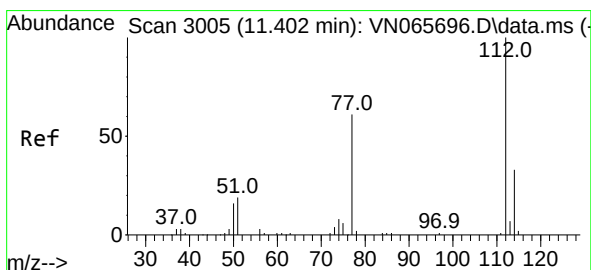
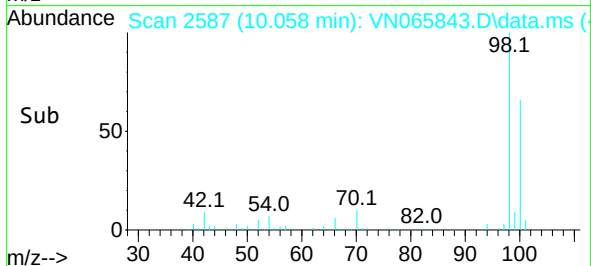
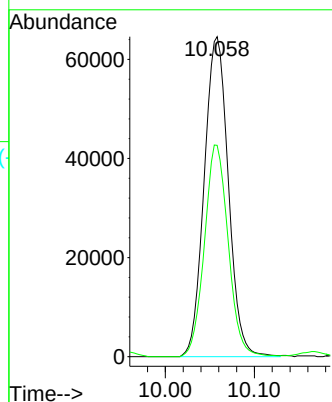
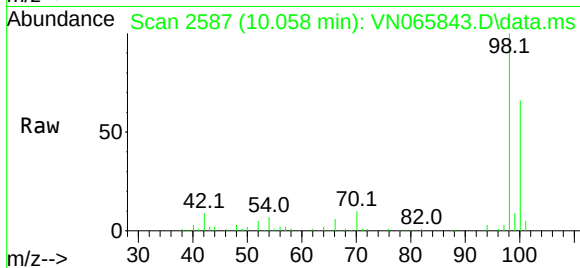




#63
Toluene-d8
Concen: 30.07 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.004 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

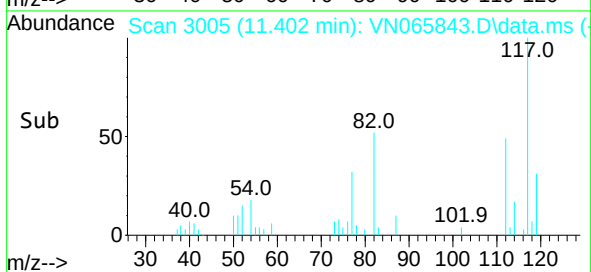
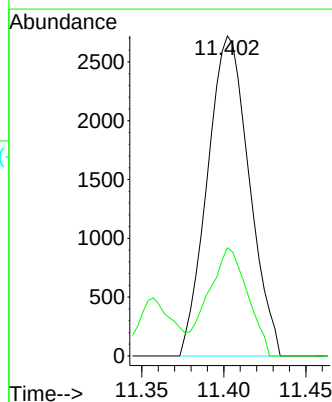
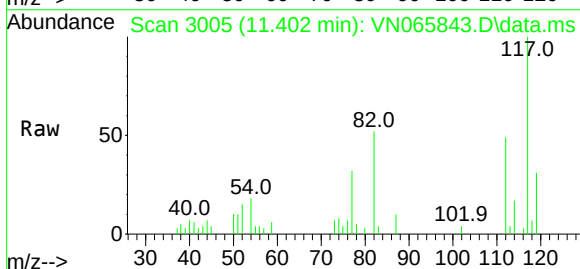
Instrument :
MSVOA_N
ClientSampled :

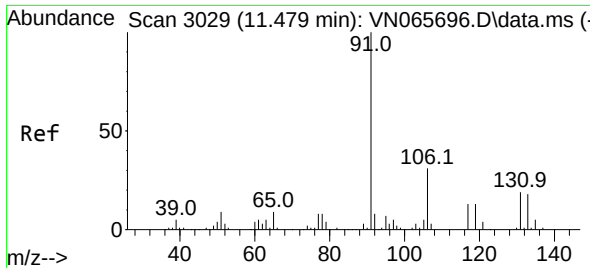
Tgt Ion: 98 Resp: 121573
Ion Ratio Lower Upper
98 100
100 65.2 51.9 77.9



#64
Chlorobenzene
Concen: 1.66 ug/l
RT: 11.402 min Scan# 3005
Delta R.T. 0.000 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

Tgt Ion: 112 Resp: 4805
Ion Ratio Lower Upper
112 100
114 33.8 25.5 38.3

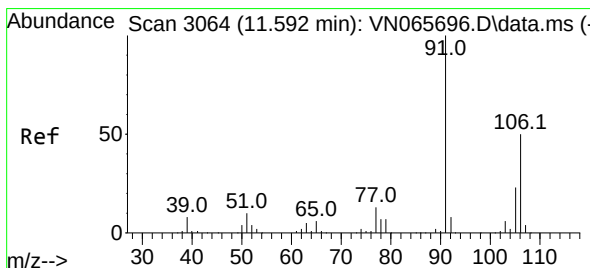
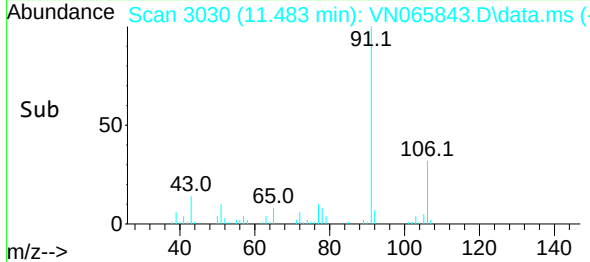
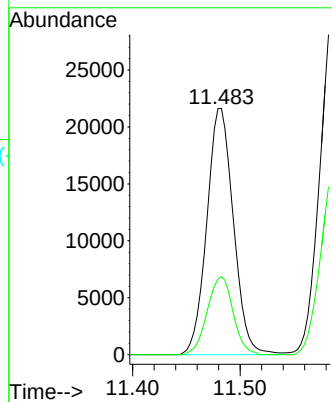
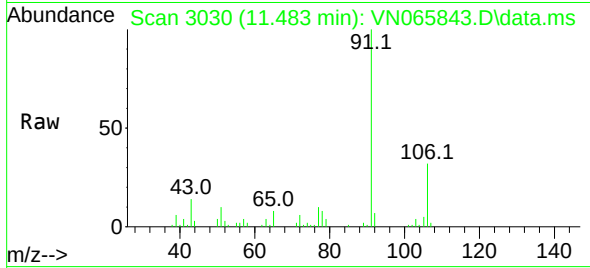




#66
Ethyl Benzene
Concen: 7.07 ug/l
RT: 11.483 min Scan# 3030
Delta R.T. 0.004 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

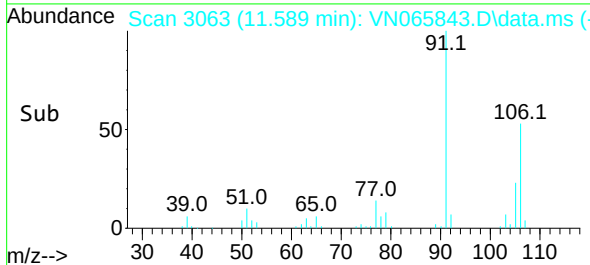
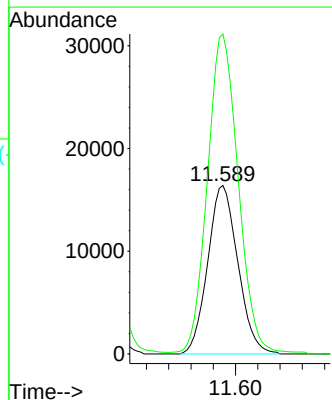
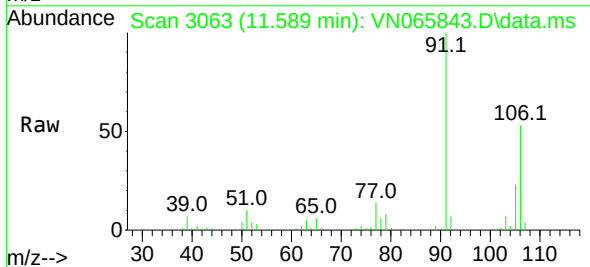
Instrument :
MSVOA_N
ClientSampled :

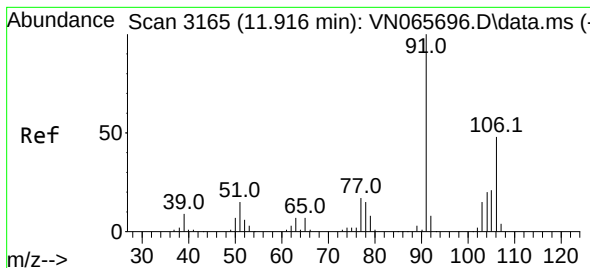
Tgt Ion: 91 Resp: 37196
Ion Ratio Lower Upper
91 100
106 31.7 25.5 38.3



#67
m/p-Xylenes
Concen: 15.72 ug/l
RT: 11.589 min Scan# 3063
Delta R.T. -0.003 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

Tgt Ion:106 Resp: 30811
Ion Ratio Lower Upper
106 100
91 192.1 159.0 238.6

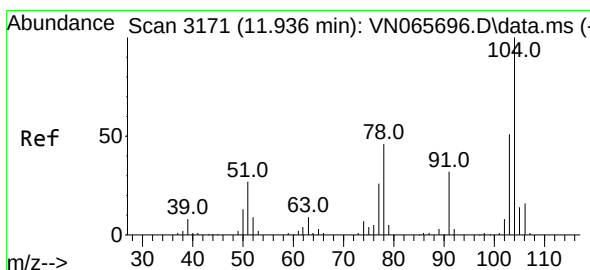
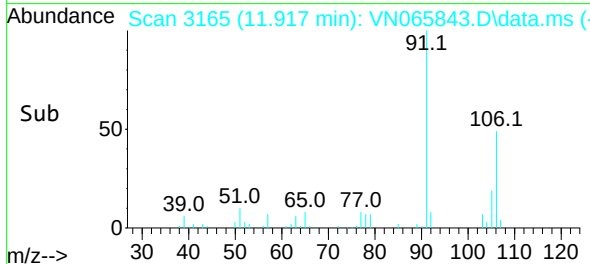
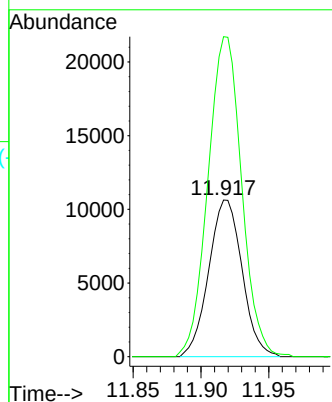
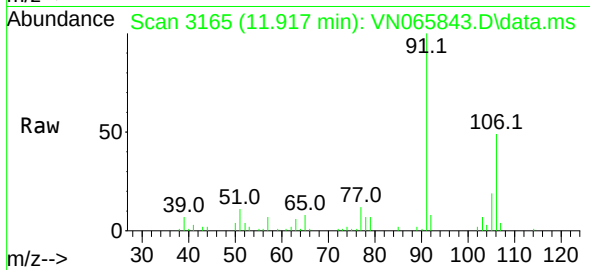




#68
o-Xylene
Concen: 9.54 ug/l
RT: 11.917 min Scan# 3165
Delta R.T. 0.000 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

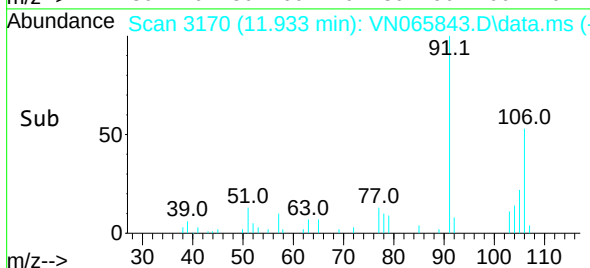
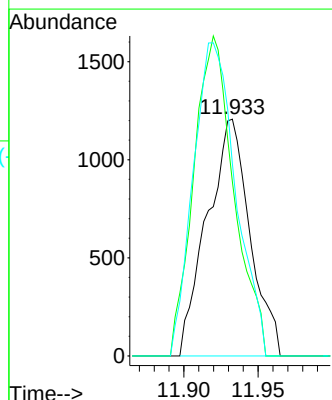
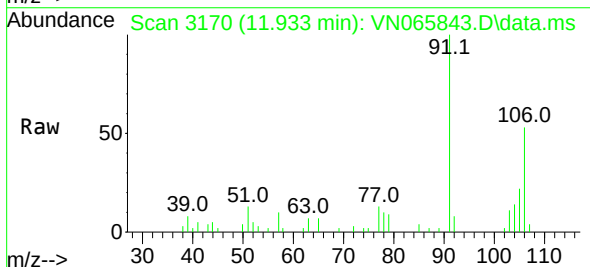
Instrument :
MSVOA_N
ClientSampled :

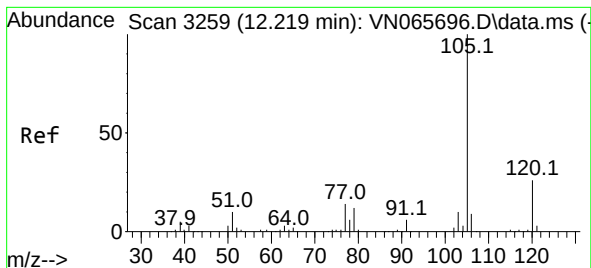
Tgt Ion:106 Resp: 18213
Ion Ratio Lower Upper
106 100
91 205.8 104.7 313.9



#69
Styrene
Concen: 0.78 ug/l
RT: 11.933 min Scan# 3170
Delta R.T. -0.003 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

Tgt Ion:104 Resp: 2419
Ion Ratio Lower Upper
104 100
78 126.7 38.0 57.0#
103 131.3 44.3 66.5#





#70

Isopropylbenzene

Concen: 1.45 ug/l

RT: 12.219 min Scan# 3259

Delta R.T. 0.000 min

Lab File: VN065843.D

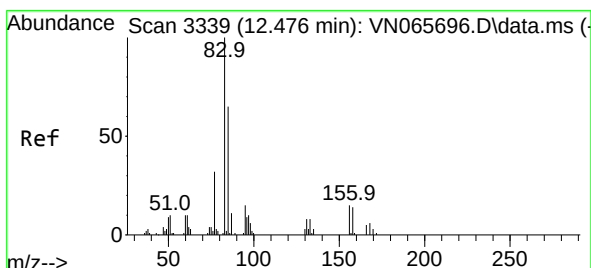
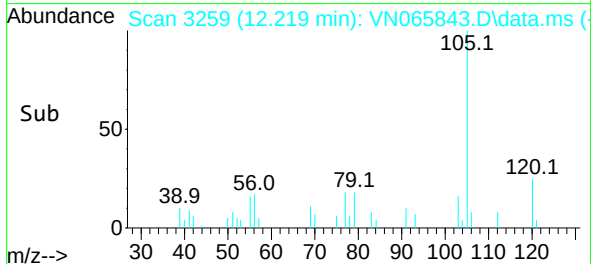
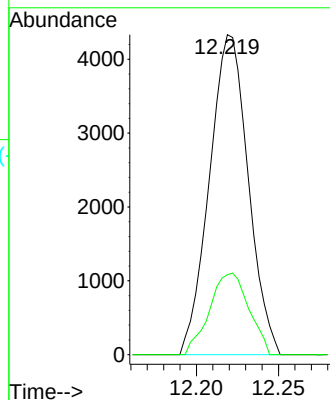
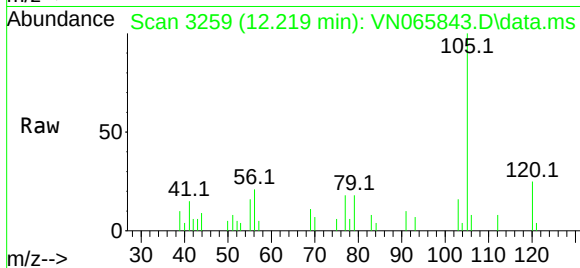
Acq: 12 Feb 2021 17:08

Tgt Ion:105 Resp: 7113

Ion Ratio Lower Upper

105 100

120 25.9 19.3 35.9



#71

1,1,2,2-Tetrachloroethane

Concen: 0.40 ug/l

RT: 12.396 min Scan# 3314

Delta R.T. -0.080 min

Lab File: VN065843.D

Acq: 12 Feb 2021 17:08

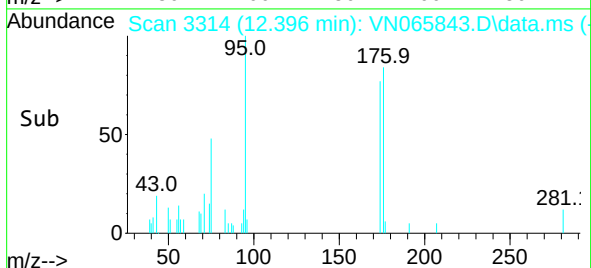
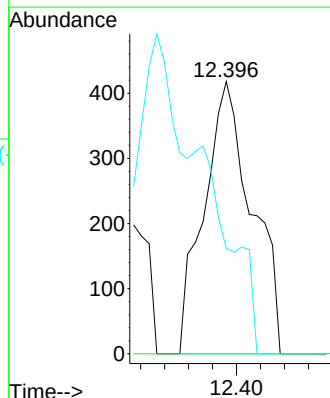
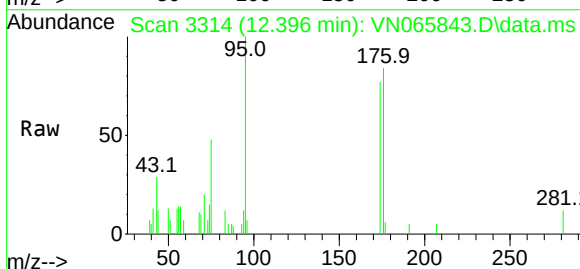
Tgt Ion: 83 Resp: 582

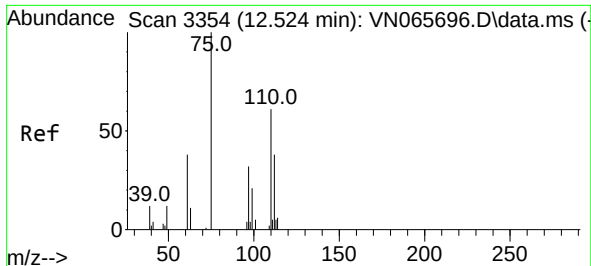
Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.4#

85 147.1 32.1 96.5#

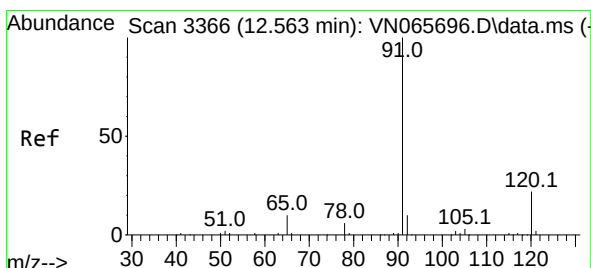
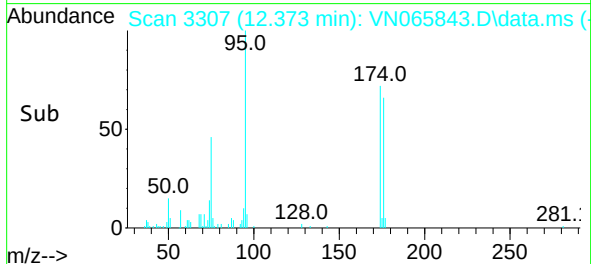
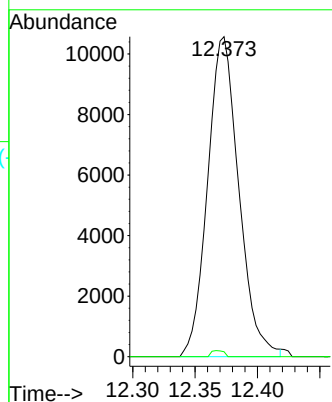
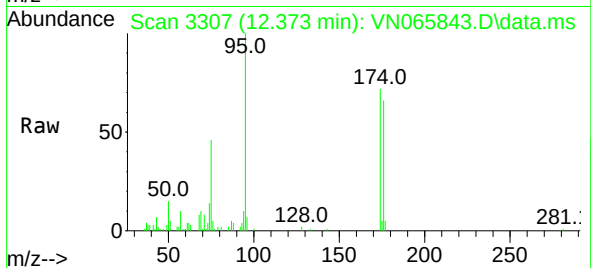




#72
1,2,3-Trichloropropane
Concen: 13.08 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.151 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

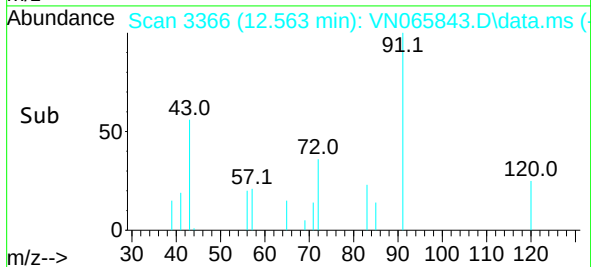
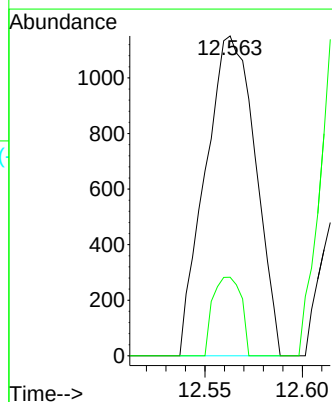
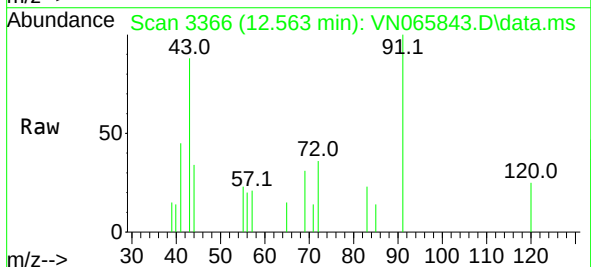
Instrument :
MSVOA_N
ClientSampled :

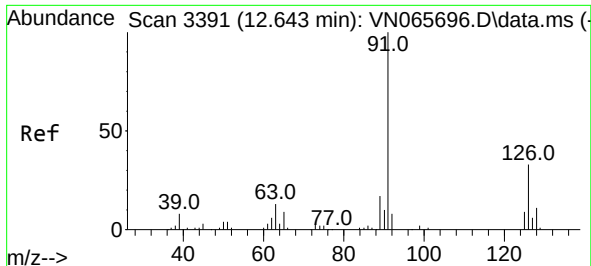
Tgt Ion: 75 Resp: 18431
Ion Ratio Lower Upper
75 100
77 0.8 0.0 366.4



#74
n-propylbenzene
Concen: 0.36 ug/l
RT: 12.563 min Scan# 3366
Delta R.T. 0.000 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

Tgt Ion: 91 Resp: 2053
Ion Ratio Lower Upper
91 100
120 13.8 0.0 49.4

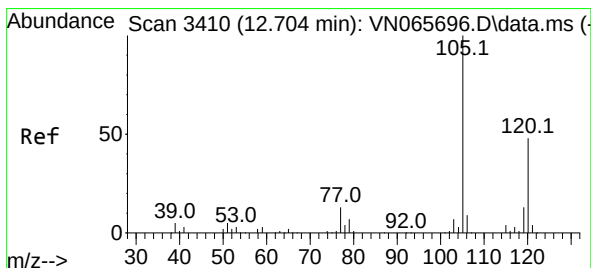
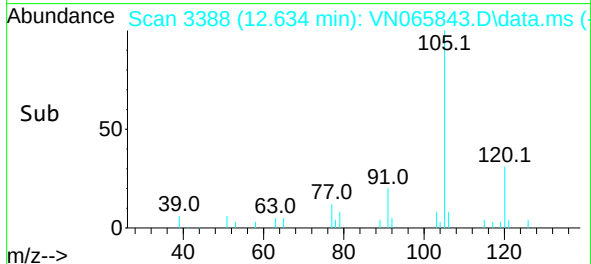
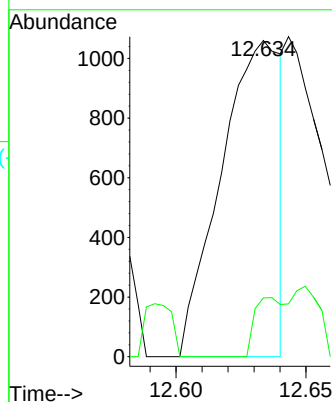
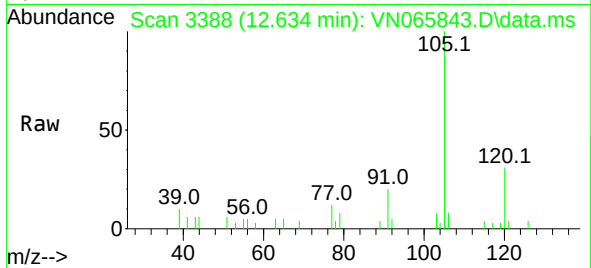




#75
2-Chlorotoluene
Concen: 0.49 ug/l
RT: 12.634 min Scan# 3388
Delta R.T. -0.009 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

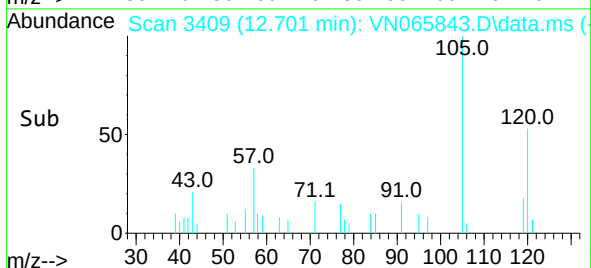
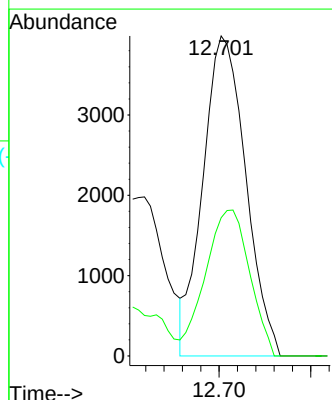
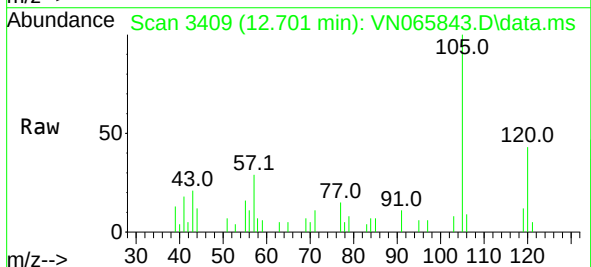
Instrument :
MSVOA_N
ClientSampled :

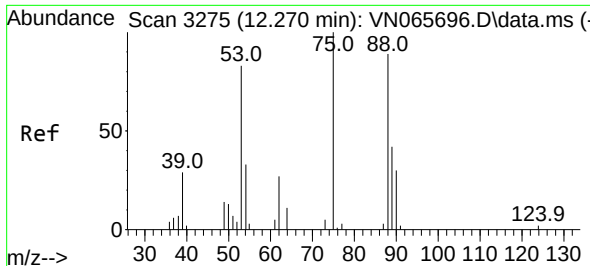
Tgt Ion: 91 Resp: 1680
Ion Ratio Lower Upper
91 100
126 8.4 0.0 74.2



#76
1,3,5-Trimethylbenzene
Concen: 1.57 ug/l
RT: 12.701 min Scan# 3409
Delta R.T. -0.003 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

Tgt Ion: 105 Resp: 6454
Ion Ratio Lower Upper
105 100
120 46.9 0.0 101.6

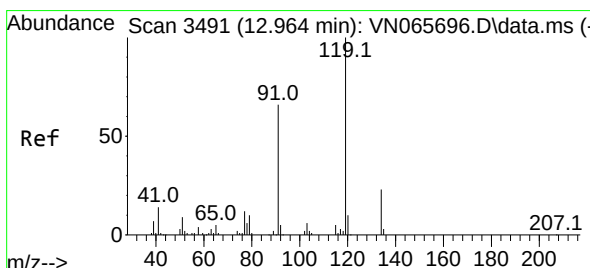
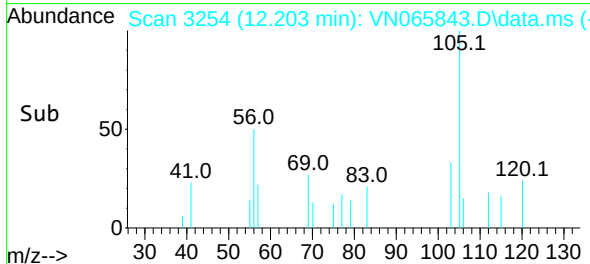
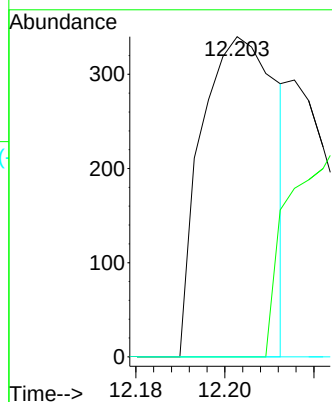
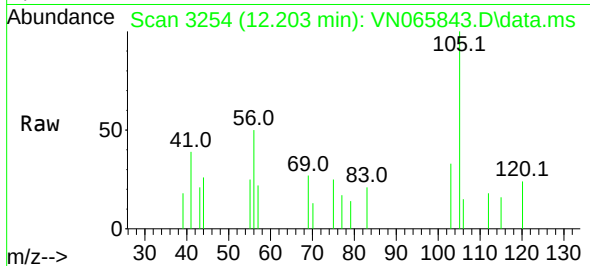




#77
t-1,4-Dichloro-2-butene
Concen: 0.72 ug/l
RT: 12.203 min Scan# 3254
Delta R.T. -0.067 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

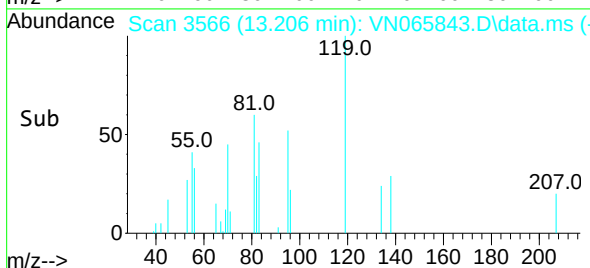
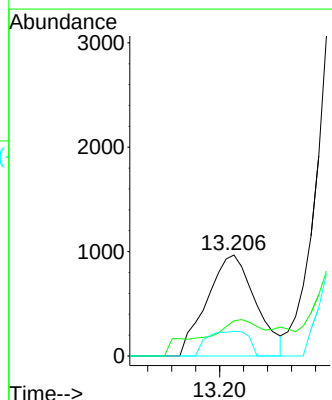
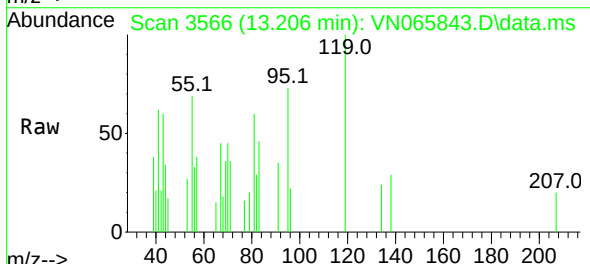
Instrument :
MSVOA_N
ClientSampled :

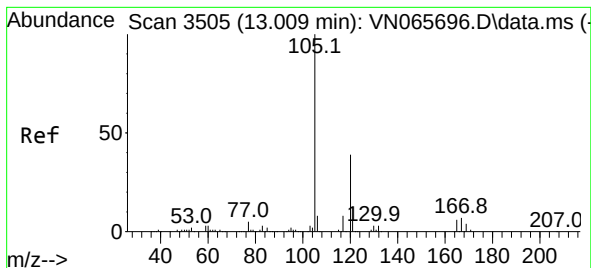
Tgt Ion: 75 Resp: 398
Ion Ratio Lower Upper
75 100
53 0.0 44.9 134.5#
89 0.0 21.3 64.0#



#79
tert-butylbenzene
Concen: 0.40 ug/l
RT: 13.206 min Scan# 3566
Delta R.T. 0.241 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

Tgt Ion: 119 Resp: 1363
Ion Ratio Lower Upper
119 100
91 31.5 0.0 126.0
134 20.7 0.0 51.2

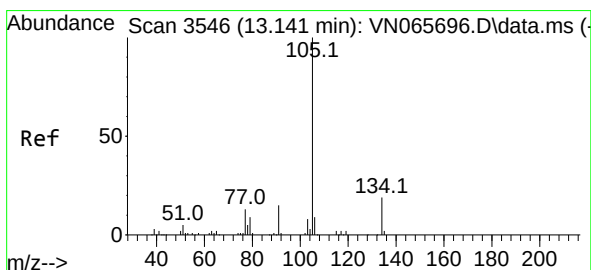
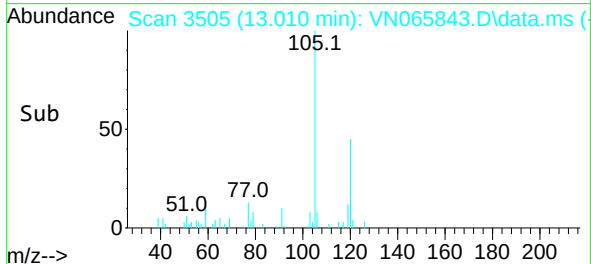
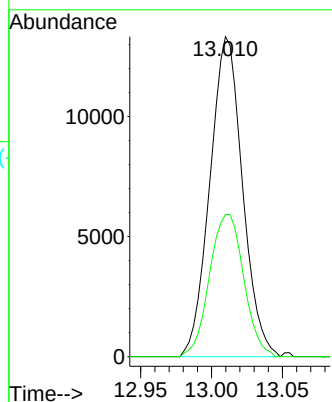
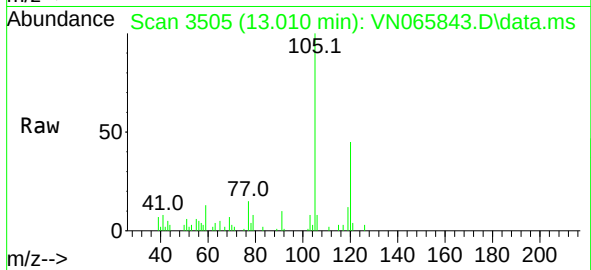




#80
1,2,4-Trimethylbenzene
Concen: 5.19 ug/l
RT: 13.010 min Scan# 3505
Delta R.T. 0.000 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

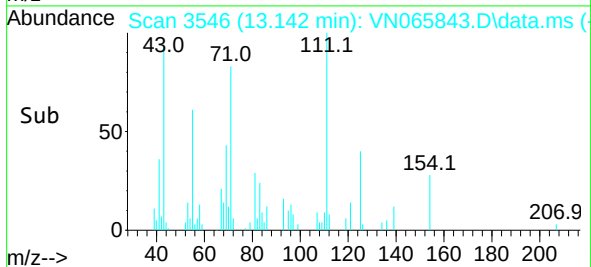
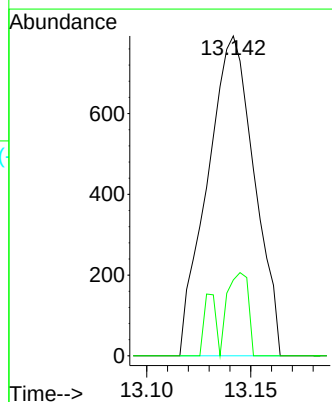
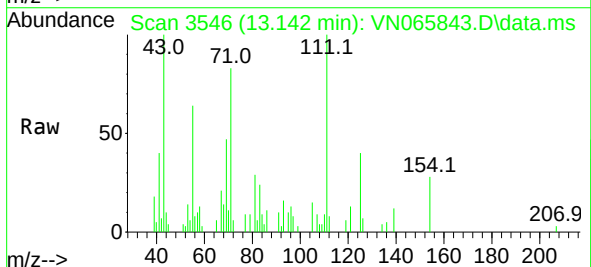
Instrument :
MSVOA_N
ClientSampled :

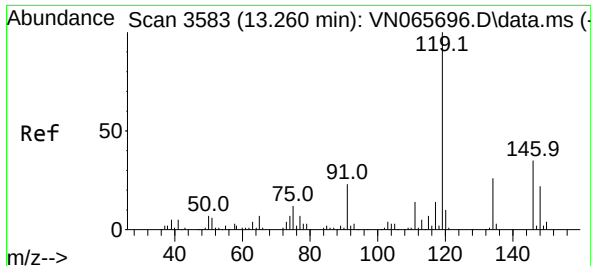
Tgt Ion:105 Resp: 21313
Ion Ratio Lower Upper
105 100
120 46.6 0.0 93.6



#81
sec-Butylbenzene
Concen: 0.27 ug/l
RT: 13.142 min Scan# 3546
Delta R.T. 0.000 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

Tgt Ion:105 Resp: 1243
Ion Ratio Lower Upper
105 100
134 11.5 0.0 42.2

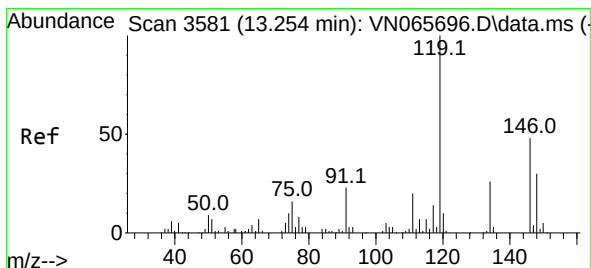
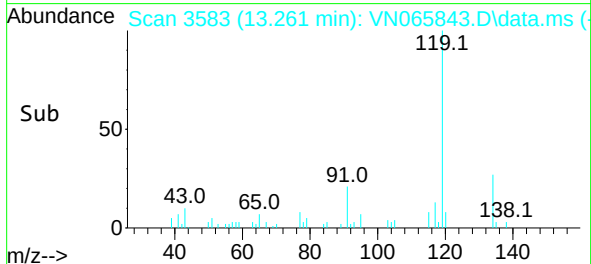
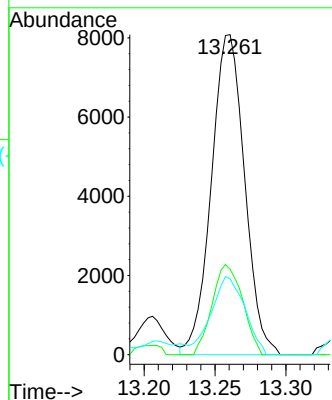
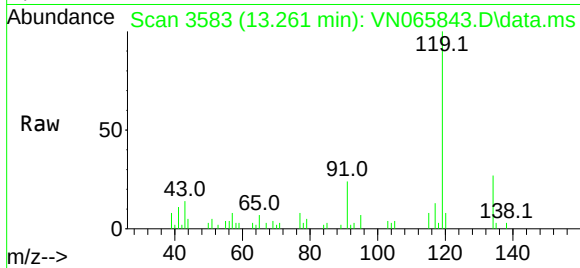




#82
p-Isopropyltoluene
Concen: 3.27 ug/l
RT: 13.261 min Scan# 3583
Delta R.T. 0.000 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

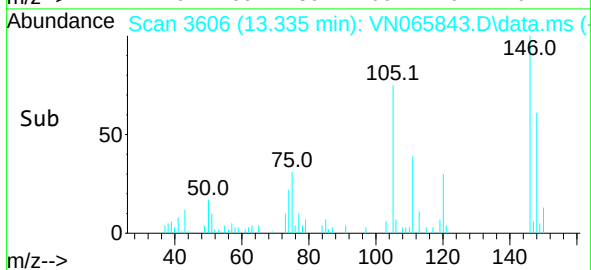
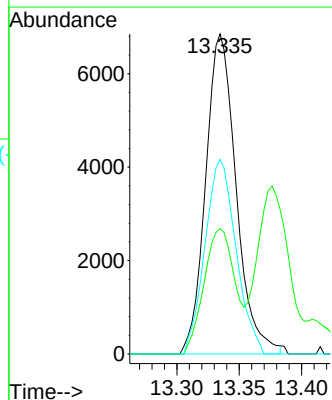
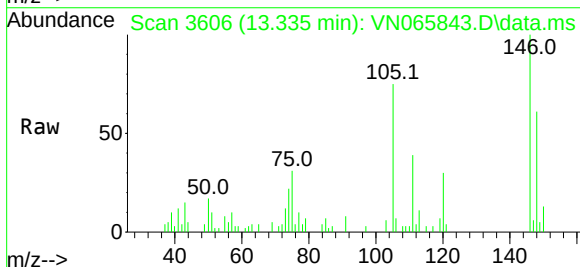
Instrument :
MSVOA_N
ClientSampled :

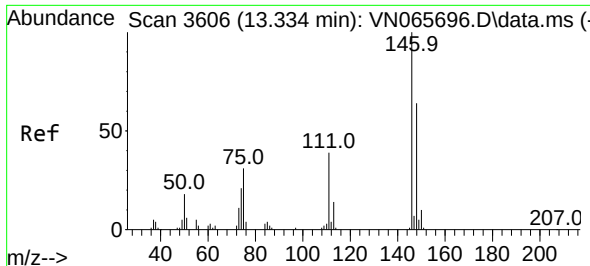
Tgt Ion:119 Resp: 13182
Ion Ratio Lower Upper
119 100
134 25.7 0.0 54.8
91 24.7 0.0 44.8



#83
1,3-Dichlorobenzene
Concen: 6.03 ug/l
RT: 13.335 min Scan# 3606
Delta R.T. 0.081 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

Tgt Ion:146 Resp: 11657
Ion Ratio Lower Upper
146 100
111 39.6 18.6 55.8
148 61.9 32.0 96.2

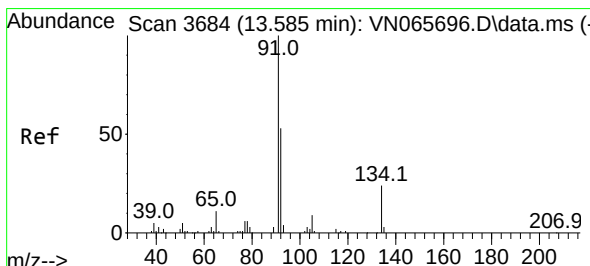
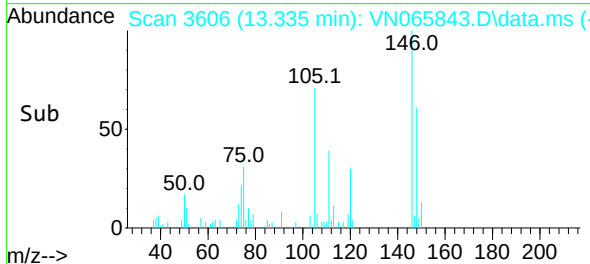
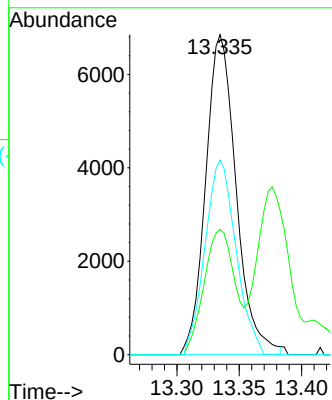
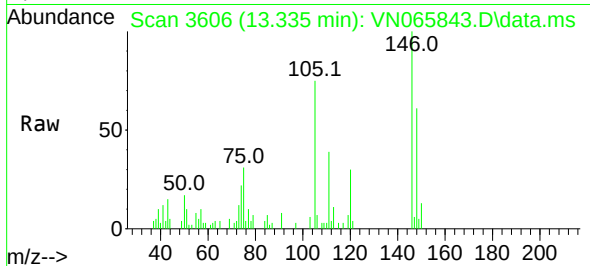




#84
1,4-Dichlorobenzene
Concen: 6.15 ug/l
RT: 13.335 min Scan# 3606
Delta R.T. 0.000 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

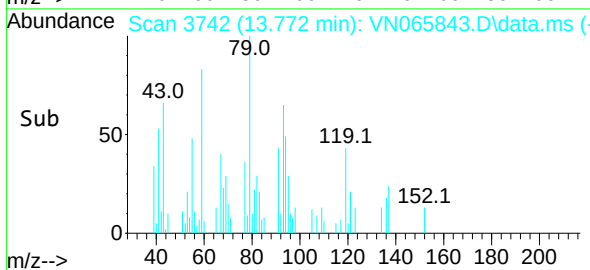
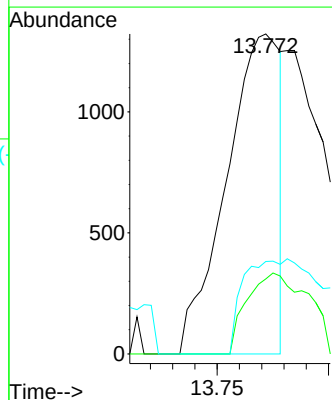
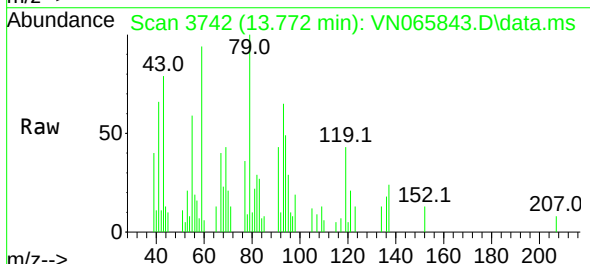
Instrument :
MSVOA_N
ClientSampled :

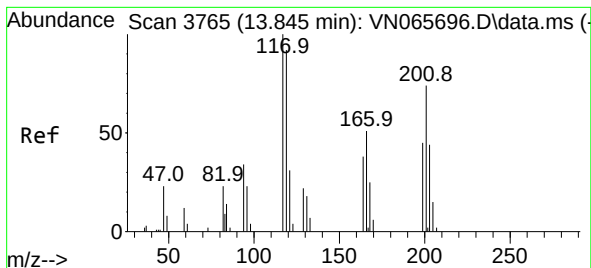
Tgt Ion:146 Resp: 11657
Ion Ratio Lower Upper
146 100
111 39.6 17.9 53.7
148 61.9 31.8 95.4



#85
n-Butylbenzene
Concen: 0.63 ug/l
RT: 13.772 min Scan# 3742
Delta R.T. 0.187 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

Tgt Ion: 91 Resp: 2212
Ion Ratio Lower Upper
91 100
92 21.0 0.0 104.8
134 21.1 0.0 55.8

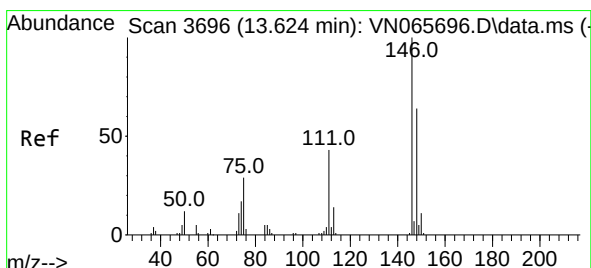
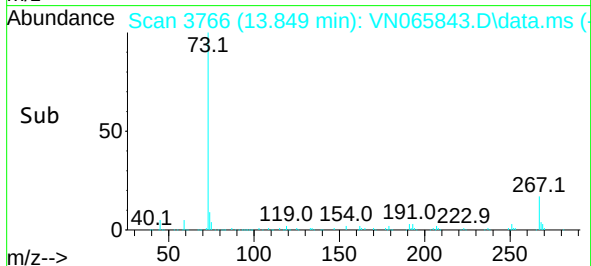
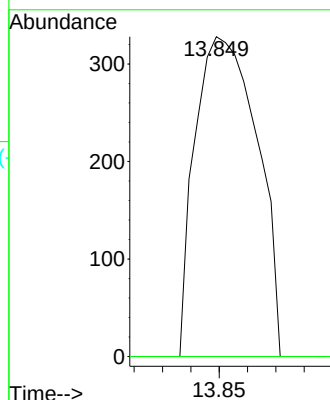
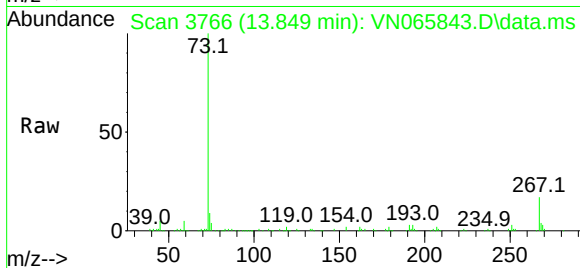




#86
Hexachloroethane
Concen: 0.71 ug/l
RT: 13.849 min Scan# 3766
Delta R.T. 0.004 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

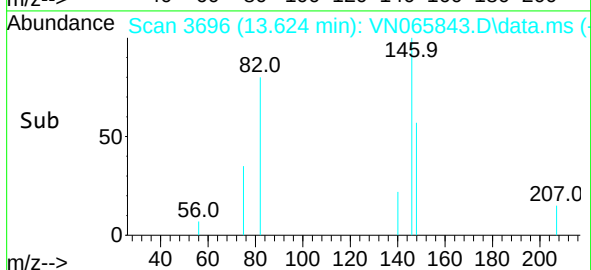
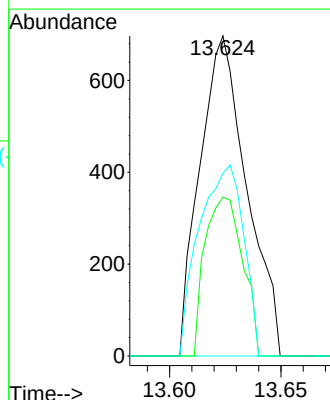
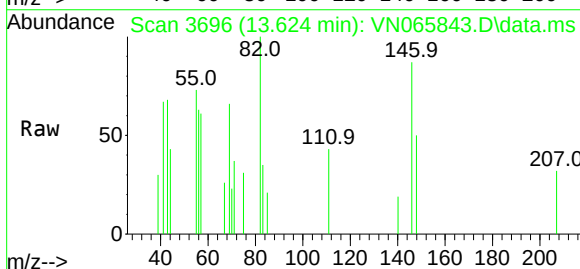
Instrument :
MSVOA_N
ClientSampled :

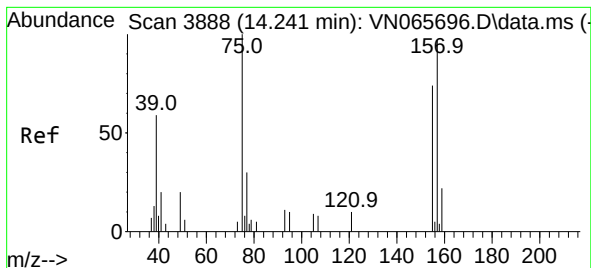
Tgt Ion:117 Resp: 498
Ion Ratio Lower Upper
117 100
201 0.0 48.4 145.3#



#87
1,2-Dichlorobenzene
Concen: 0.53 ug/l
RT: 13.624 min Scan# 3696
Delta R.T. 0.000 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

Tgt Ion:146 Resp: 1021
Ion Ratio Lower Upper
146 100
111 39.8 18.9 56.9
148 56.5 32.3 96.8

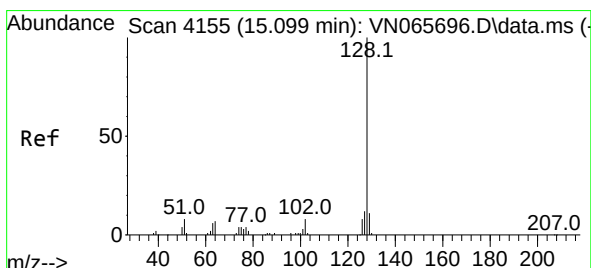
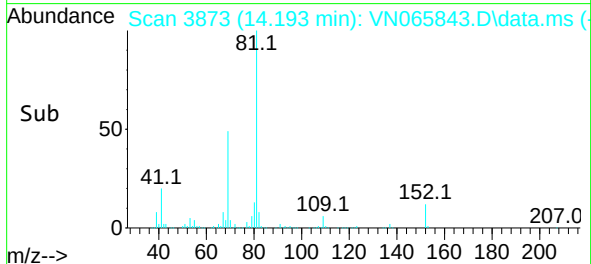
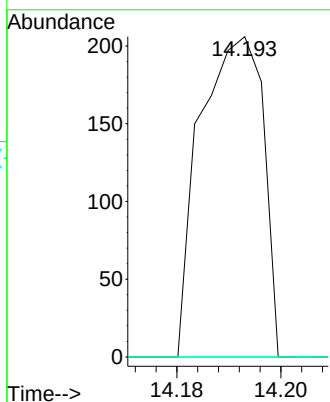
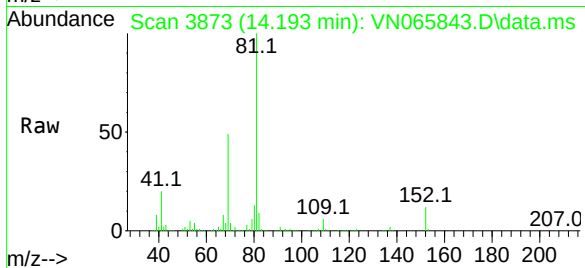




#88
1,2-Dibromo-3-Chloropropane
Concen: 0.62 ug/l
RT: 14.193 min Scan# 3873
Delta R.T. -0.048 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

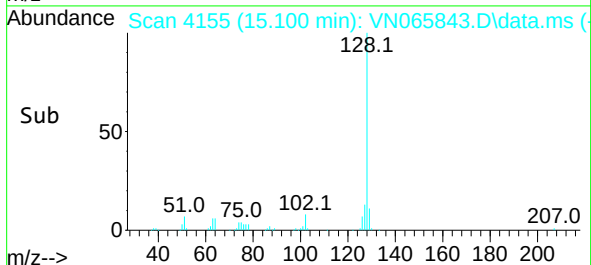
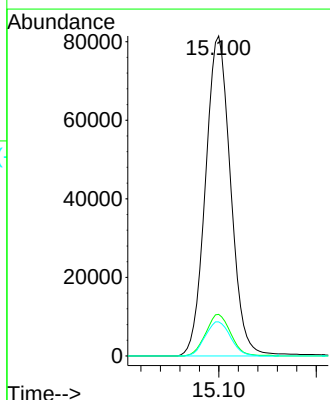
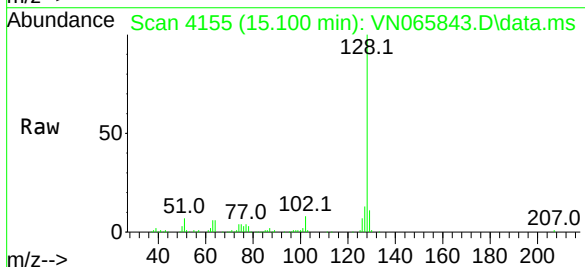
Instrument :
MSVOA_N
ClientSampled :

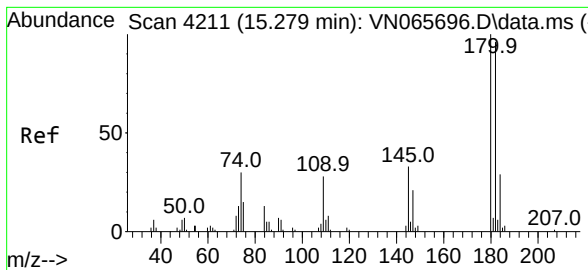
Tgt Ion: 75 Resp: 173
Ion Ratio Lower Upper
75 100
155 0.0 76.9 115.3#
157 0.0 105.8 158.8#



#91
Naphthalene
Concen: 45.19 ug/l
RT: 15.100 min Scan# 4155
Delta R.T. 0.000 min
Lab File: VN065843.D
Acq: 12 Feb 2021 17:08

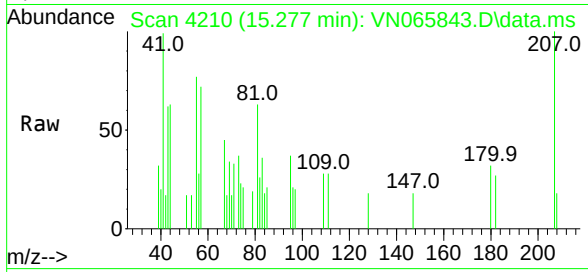
Tgt Ion: 128 Resp: 145667
Ion Ratio Lower Upper
128 100
127 12.9 10.1 15.1
129 10.8 8.6 12.8





#92
 1,2,3-Trichlorobenzene
 Concen: 0.36 ug/l
 RT: 15.277 min Scan# 4210
 Delta R.T. -0.003 min
 Lab File: VN065843.D
 Acq: 12 Feb 2021 17:08

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	365
Ion	Ratio	Lower	Upper
180	100		
182	67.9	0.0	190.4
145	0.0	0.0	57.8

