

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051821\
 Data File : VN067134.D
 Acq On : 18 May 2021 18:03
 Operator : JC/MD
 Sample : PB136489ZHE#03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 19 02:51:46 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051421W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 18 04:00:15 2021
 Response via : Initial Calibration

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

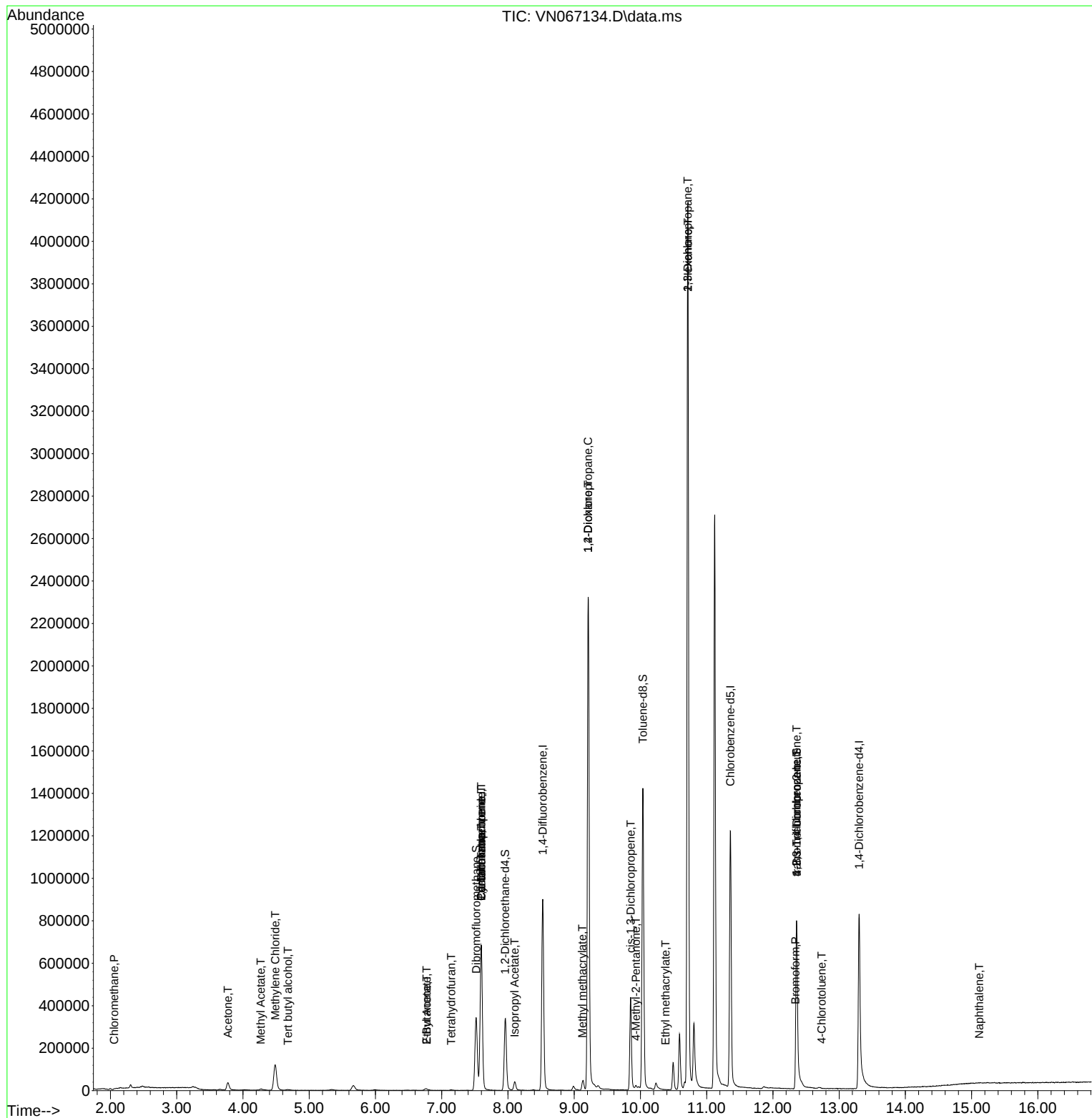
Internal Standards						
1) Pentafluorobenzene	7.597	168	655801	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.525	114	914926	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.357	117	815853	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.301	152	342825	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.959	65	297877	42.04	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	84.08%		
35) Dibromofluoromethane	7.522	113	275275	45.82	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	91.64%		
50) Toluene-d8	10.037	98	1074542	47.19	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	94.38%		
62) 4-Bromofluorobenzene	12.357	95	343198	45.00	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	90.00%		
Target Compounds						Qvalue
3) Chloromethane	2.056	50	1816	0.25	ug/l	97
11) Tert butyl alcohol	4.679	59	1917	1.62	ug/l #	95
13) Acrolein	3.560	56	929	Below Cal		92
16) Acetone	3.772	43	59337	26.95	ug/l	95
18) Methyl Acetate	4.266	43	3979	0.61	ug/l	94
20) Methylene Chloride	4.488	84	103291	14.39	ug/l	97
25) 2-Butanone	6.771	43	8834	2.57	ug/l	95
29) Tetrahydrofuran	7.144	42	1956	0.92	ug/l #	56
31) Cyclohexane	7.597	56	8772	0.90	ug/l #	1
36) 1,1-Dichloropropene	7.597	75	38618	4.63	ug/l #	43
37) Ethyl Acetate	6.771	43	8834	1.20	ug/l #	65
38) Carbon Tetrachloride	7.597	117	53274	6.00	ug/l #	15
43) Isopropyl Acetate	8.101	43	49872	4.08	ug/l #	91
45) 1,2-Dichloropropane	9.211	63	3145	0.47	ug/l #	45
48) Methyl methacrylate	9.123	41	10524	3.66	ug/l #	9
49) 1,4-Dioxane	9.211	88	232	2.66	ug/l #	1
51) 4-Methyl-2-Pentanone	9.933	43	13256	7.16	ug/l	91
54) cis-1,3-Dichloropropene	9.852	75	92849	8.45	ug/l #	58
56) Ethyl methacrylate	10.378	69	58	1.95	ug/l #	31
57) 1,3-Dichloropropane	10.713	76	47706	4.59	ug/l #	43
59) 2-Hexanone	10.716	43	567641	131.03	ug/l #	49
71) Bromoform	12.339	173	151	1.79	ug/l #	28
76) 1,2,3-Trichloropropane	12.357	75	151589	20.95	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.357	75	151589	63.17	ug/l #	15
82) 4-Chlorotoluene	12.735	91	83	1.19	ug/l #	39
95) Naphthalene	15.114	128	2094	3.39	ug/l #	71

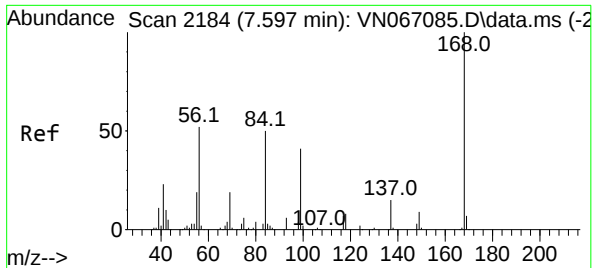
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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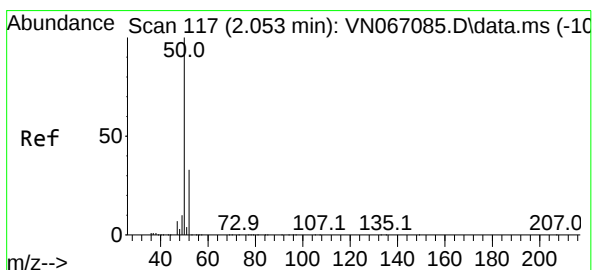
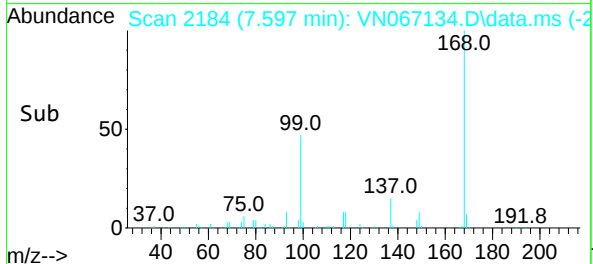
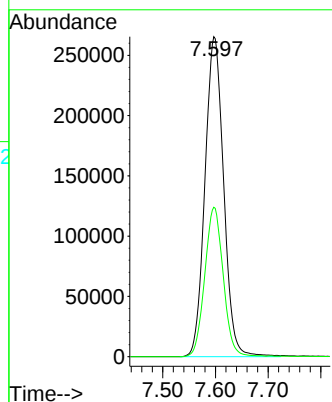
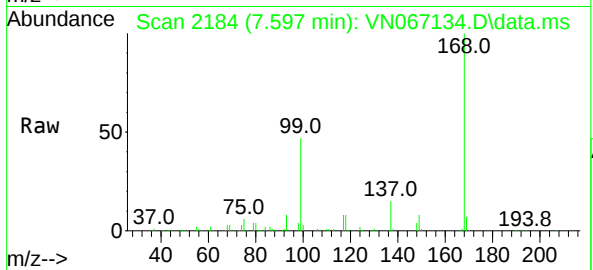




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.597 min Scan# 2184
Delta R.T. -0.000 min
Lab File: VN067134.D
Acq: 18 May 2021 18:03

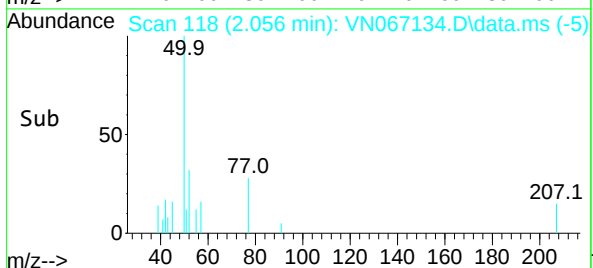
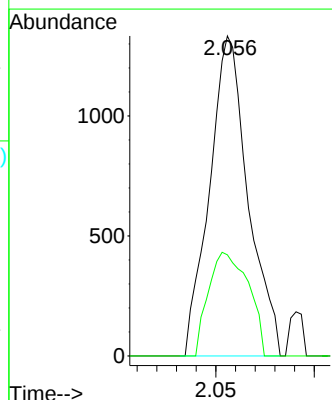
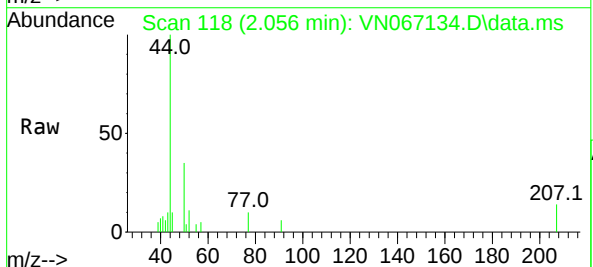
Instrument :
MSVOA_N
ClientSampled :

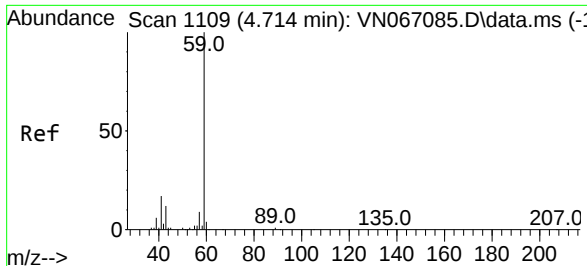
Tgt Ion:168 Resp: 655801
Ion Ratio Lower Upper
168 100
99 46.7 38.5 57.7



#3
Chloromethane
Concen: 0.25 ug/l
RT: 2.056 min Scan# 118
Delta R.T. 0.003 min
Lab File: VN067134.D
Acq: 18 May 2021 18:03

Tgt Ion: 50 Resp: 1816
Ion Ratio Lower Upper
50 100
52 31.6 26.5 39.7

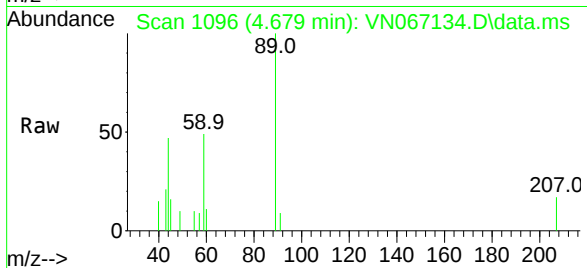




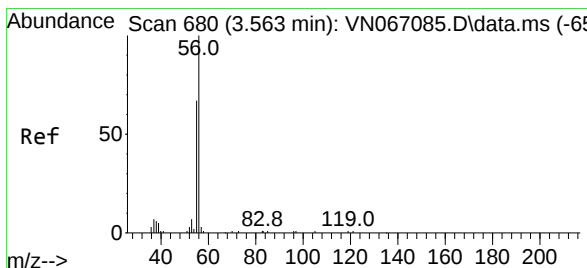
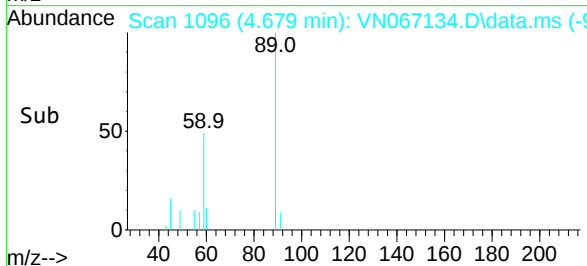
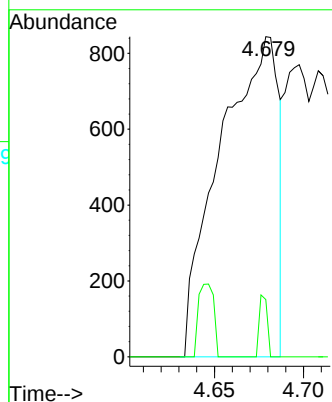
#11

Tert butyl alcohol
Concen: 1.62 ug/l
RT: 4.679 min Scan# 1096
Delta R.T. -0.035 min
Lab File: VN067134.D
Acq: 18 May 2021 18:03

Instrument :
MSVOA_N
ClientSampled :



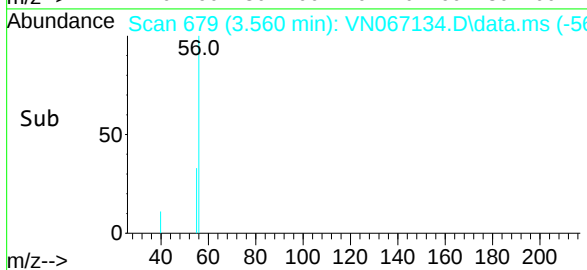
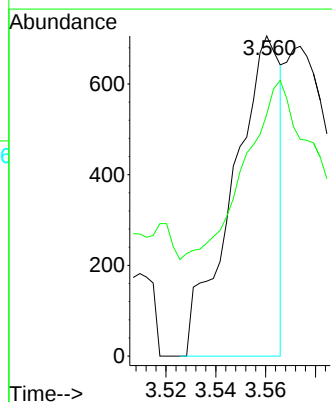
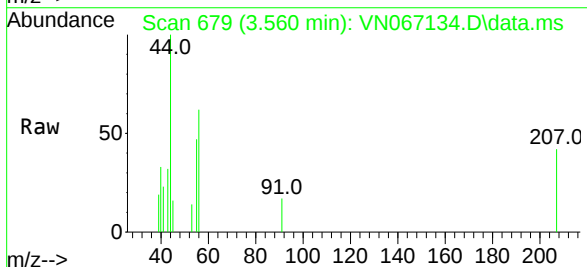
Tgt Ion: 59 Resp: 1917
Ion Ratio Lower Upper
59 100
57 2.6 3.5 5.3#

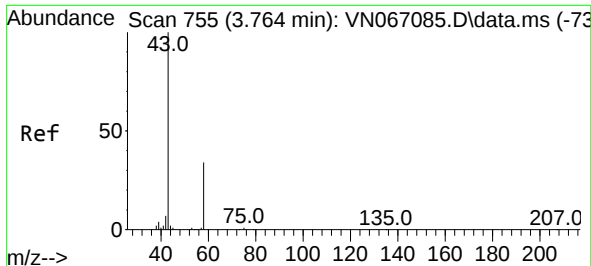


#13

Acrolein
Concen: Below Cal
RT: 3.560 min Scan# 679
Delta R.T. -0.003 min
Lab File: VN067134.D
Acq: 18 May 2021 18:03

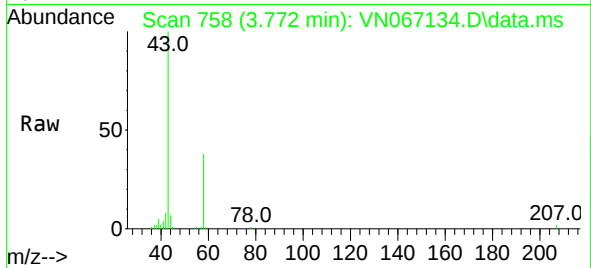
Tgt Ion: 56 Resp: 929
Ion Ratio Lower Upper
56 100
55 73.5 53.8 80.6



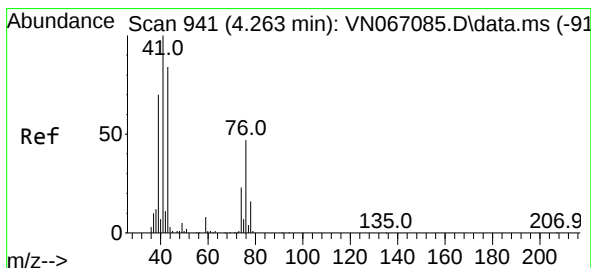
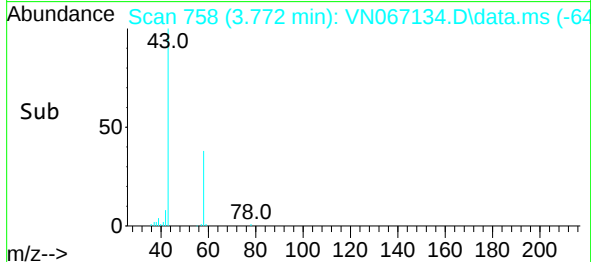
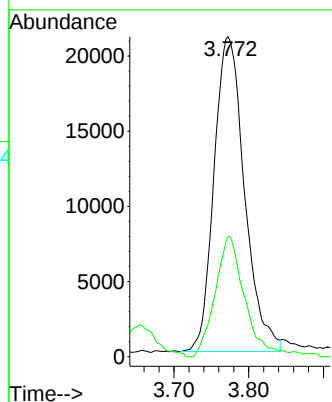


#16
Acetone
Concen: 26.95 ug/l
RT: 3.772 min Scan# 758
Delta R.T. 0.008 min
Lab File: VN067134.D
Acq: 18 May 2021 18:03

Instrument :
MSVOA_N
ClientSampled :

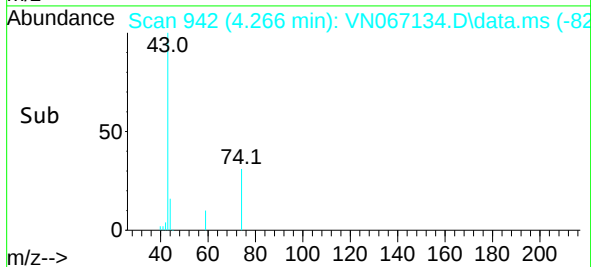
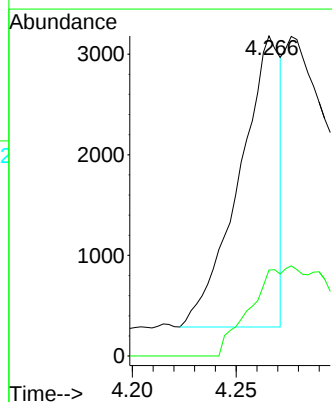
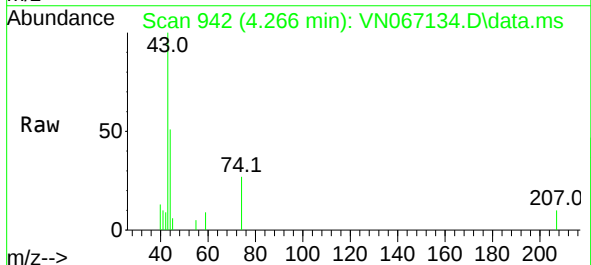


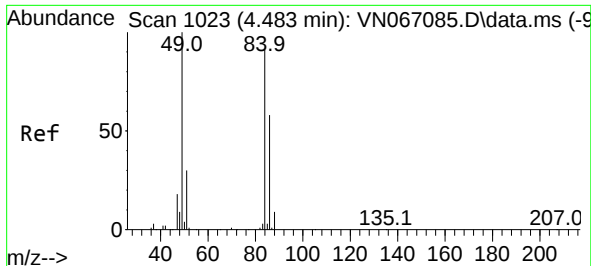
Tgt Ion: 43 Resp: 59337
Ion Ratio Lower Upper
43 100
58 37.0 27.2 40.8



#18
Methyl Acetate
Concen: 0.61 ug/l
RT: 4.266 min Scan# 942
Delta R.T. 0.003 min
Lab File: VN067134.D
Acq: 18 May 2021 18:03

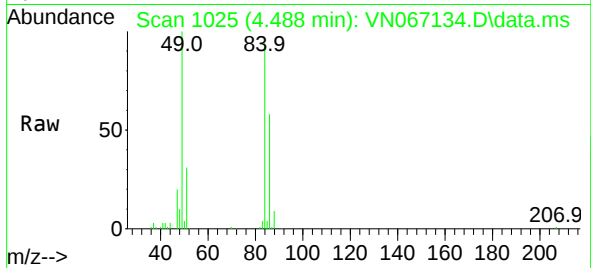
Tgt Ion: 43 Resp: 3979
Ion Ratio Lower Upper
43 100
74 23.6 21.4 32.2



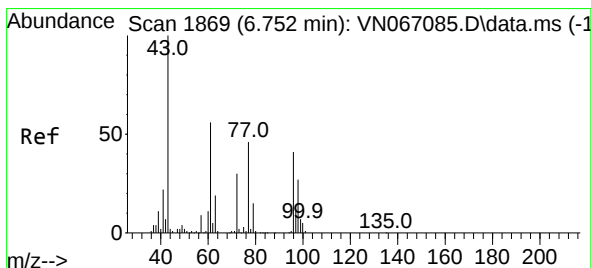
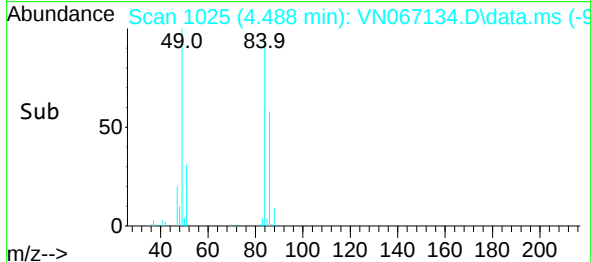
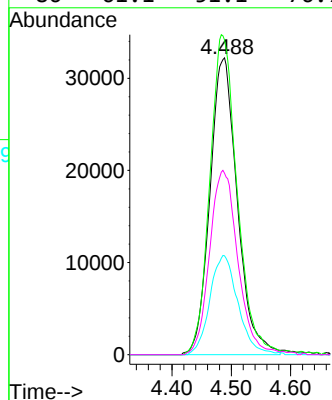


#20
Methylene Chloride
Concen: 14.39 ug/l
RT: 4.488 min Scan# 1025
Delta R.T. 0.005 min
Lab File: VN067134.D
Acq: 18 May 2021 18:03

Instrument :
MSVOA_N
ClientSampleId :

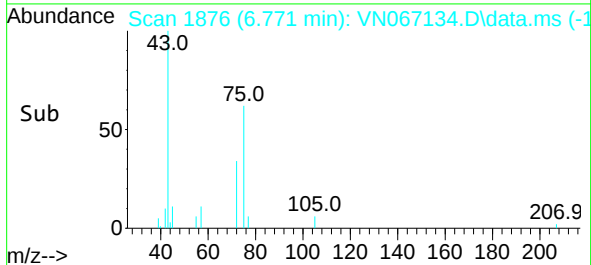
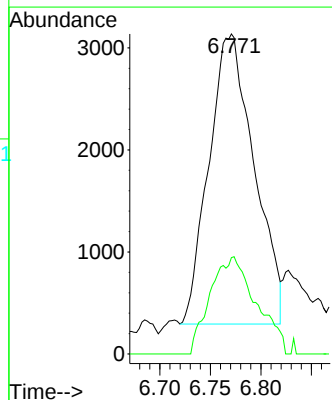
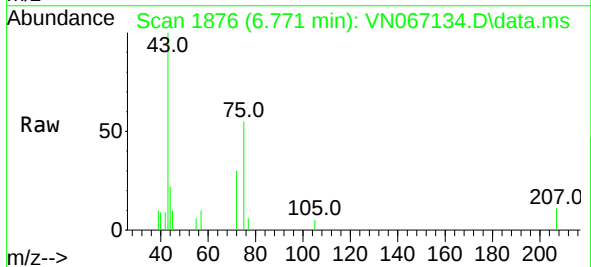


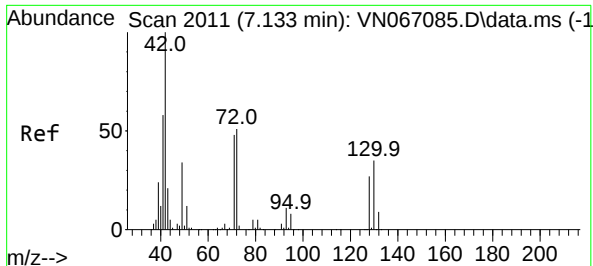
Tgt Ion	Ratio	Lower	Upper
84	100		
49	106.0	88.3	132.5
51	33.3	26.7	40.1
86	61.1	51.1	76.7



#25
2-Butanone
Concen: 2.57 ug/l
RT: 6.771 min Scan# 1876
Delta R.T. 0.019 min
Lab File: VN067134.D
Acq: 18 May 2021 18:03

Tgt Ion	Ratio	Lower	Upper
43	100		
72	33.2	24.4	36.6

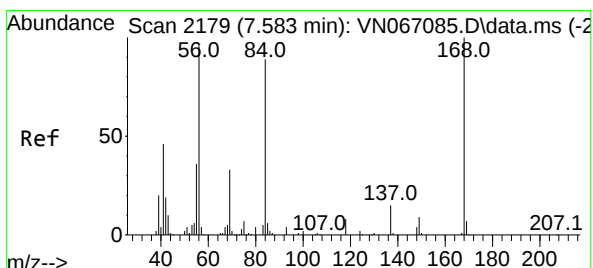
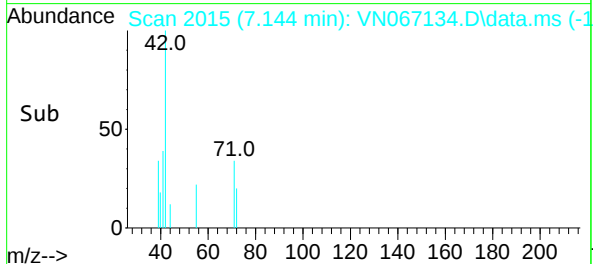
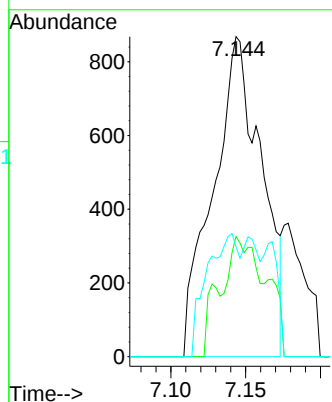
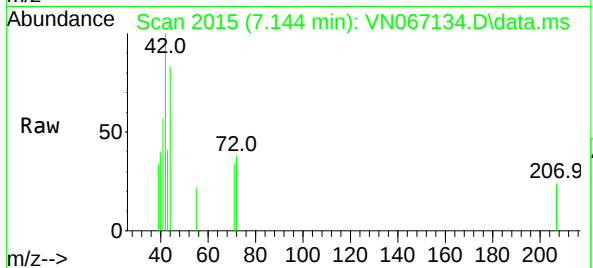




#29
Tetrahydrofuran
Concen: 0.92 ug/l
RT: 7.144 min Scan# 2015
Delta R.T. 0.011 min
Lab File: VN067134.D
Acq: 18 May 2021 18:03

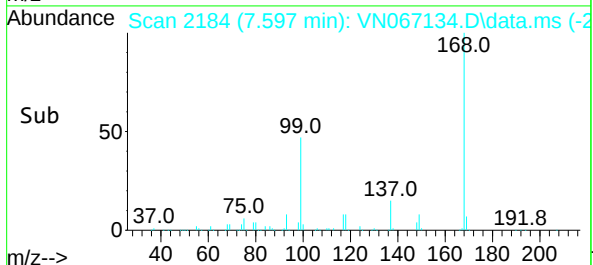
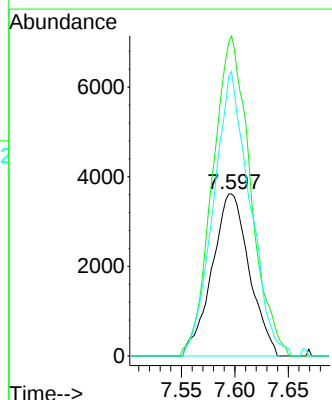
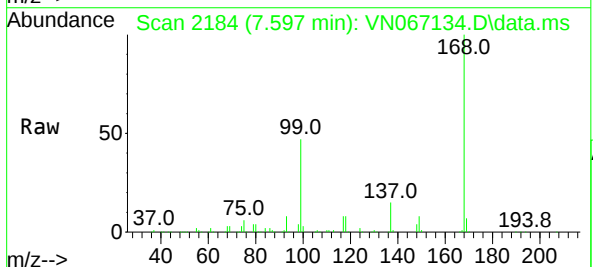
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MSVOA_N
ClientSampled :

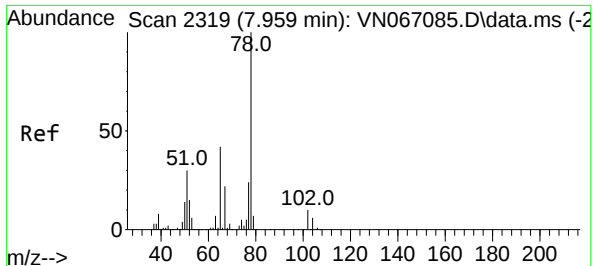
Tgt Ion:	42	Resp:	1956
Ion	Ratio	Lower	Upper
42	100		
72	12.9	40.1	60.1#
71	25.6	37.9	56.9#



#31
Cyclohexane
Concen: 0.90 ug/l
RT: 7.597 min Scan# 2184
Delta R.T. 0.014 min
Lab File: VN067134.D
Acq: 18 May 2021 18:03

Tgt Ion:	56	Resp:	8772
Ion	Ratio	Lower	Upper
56	100		
69	197.5	28.0	42.0#
84	175.5	74.2	111.2#





#33

1,2-Dichloroethane-d4

Concen: 42.04 ug/l

RT: 7.959 min Scan# 2319

Delta R.T. -0.000 min

Lab File: VN067134.D

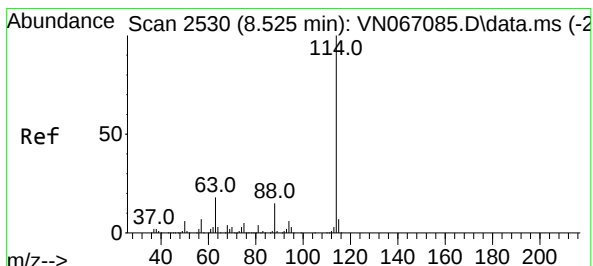
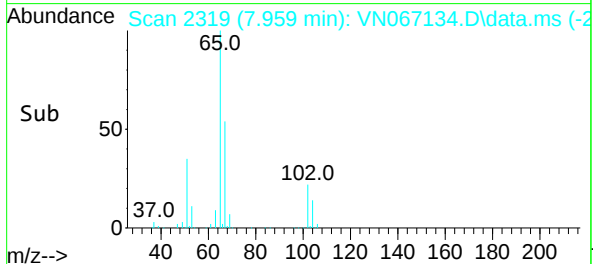
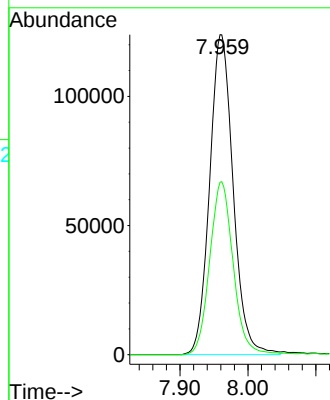
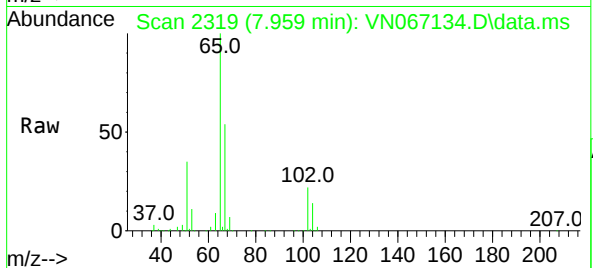
Acq: 18 May 2021 18:03

Tgt Ion: 65 Resp: 297877

Ion Ratio Lower Upper

65 100

67 54.0 0.0 110.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.525 min Scan# 2530

Delta R.T. -0.000 min

Lab File: VN067134.D

Acq: 18 May 2021 18:03

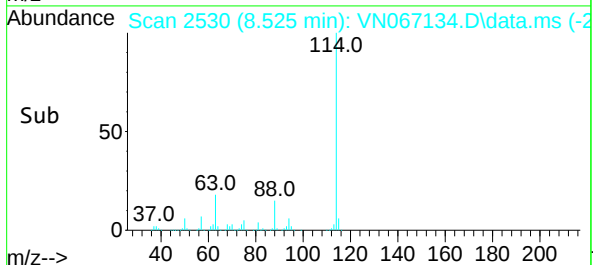
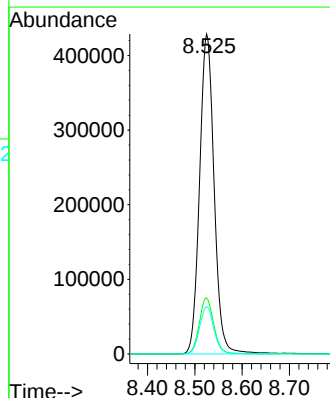
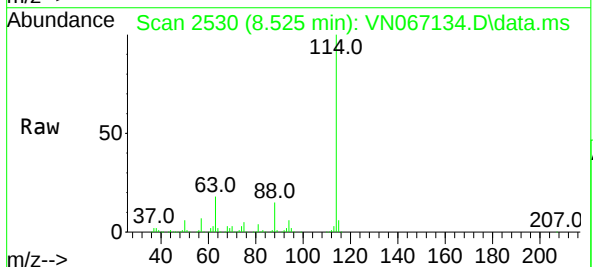
Tgt Ion: 114 Resp: 914926

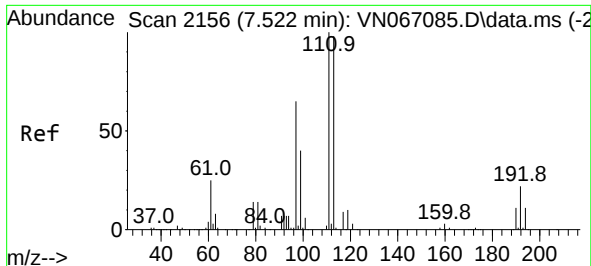
Ion Ratio Lower Upper

114 100

63 17.5 0.0 35.8

88 14.8 0.0 30.4

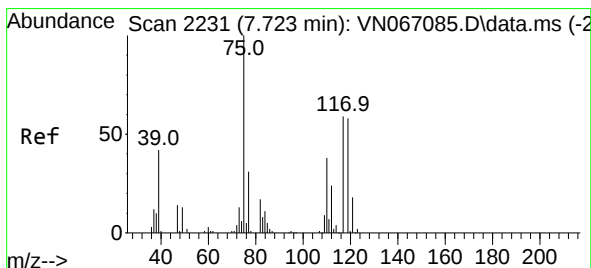
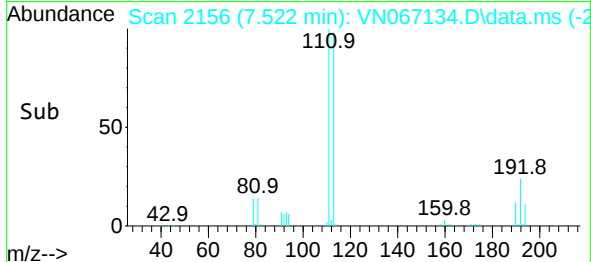
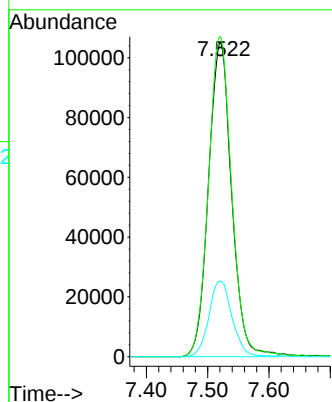
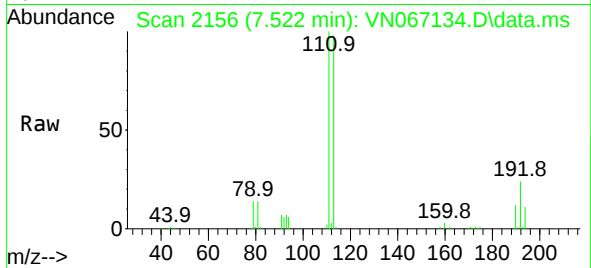




#35
 Dibromofluoromethane
 Concen: 45.82 ug/l
 RT: 7.522 min Scan# 2156
 Delta R.T. -0.000 min
 Lab File: VN067134.D
 Acq: 18 May 2021 18:03

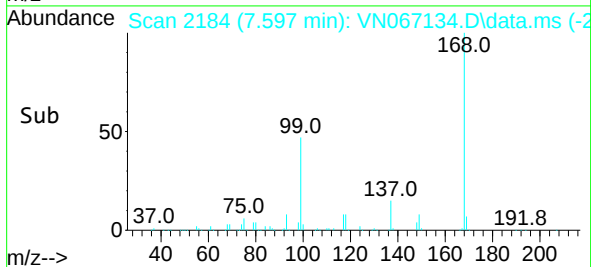
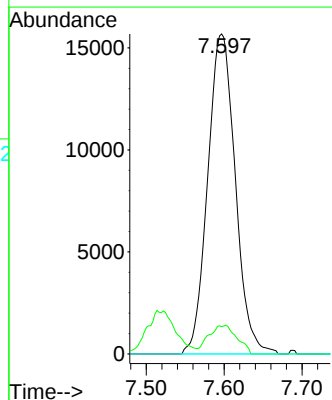
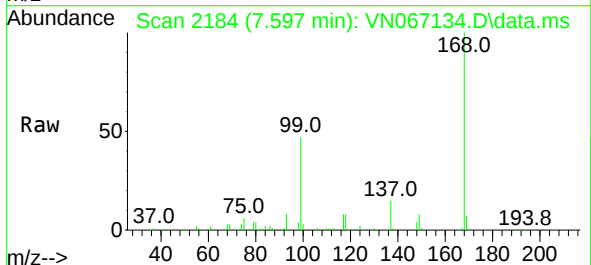
Instrument :
 MSVOA_N
 ClientSampleId :

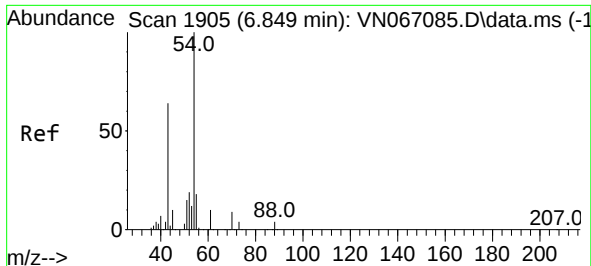
Tgt Ion:	113	Resp:	275275
Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.6	124.0
192	24.0	18.2	27.4



#36
 1,1-Dichloropropene
 Concen: 4.63 ug/l
 RT: 7.597 min Scan# 2184
 Delta R.T. -0.126 min
 Lab File: VN067134.D
 Acq: 18 May 2021 18:03

Tgt Ion:	75	Resp:	38618
Ion	Ratio	Lower	Upper
75	100		
110	3.3	19.1	57.3#
77	0.0	24.8	37.2#





#37

Ethyl Acetate

Concen: 1.20 ug/l

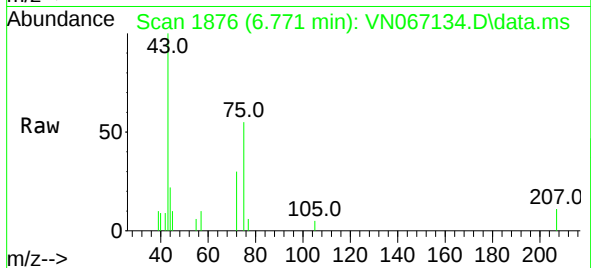
RT: 6.771 min Scan# 1876

Delta R.T. -0.078 min

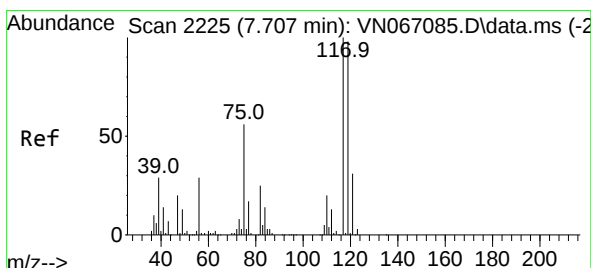
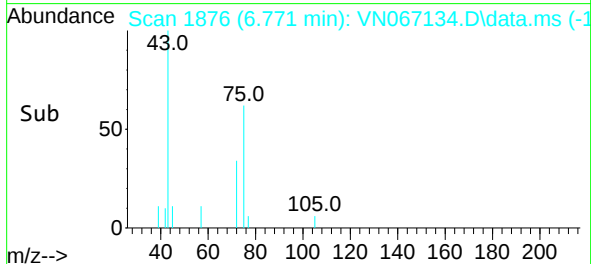
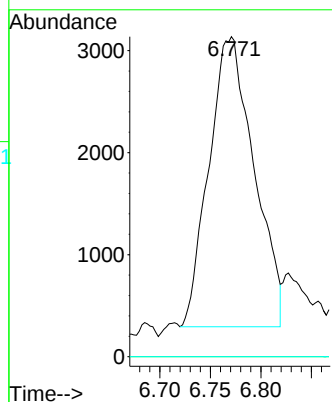
Lab File: VN067134.D

Acq: 18 May 2021 18:03

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion:	43	Resp:	8834
Ion Ratio	Lower	Upper	
43	100		
61	0.0	13.0	19.4#
70	0.0	9.2	13.8#



#38

Carbon Tetrachloride

Concen: 6.00 ug/l

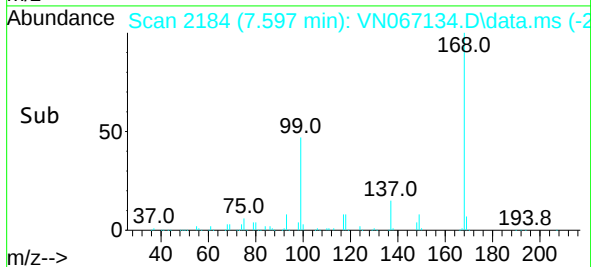
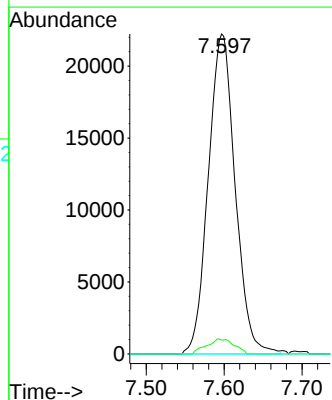
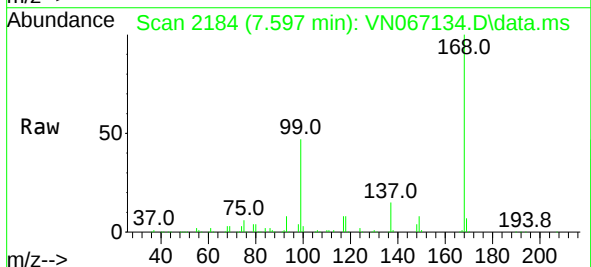
RT: 7.597 min Scan# 2184

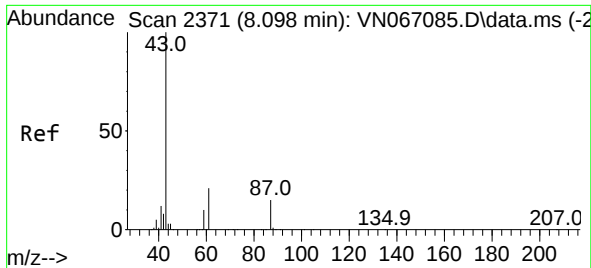
Delta R.T. -0.110 min

Lab File: VN067134.D

Acq: 18 May 2021 18:03

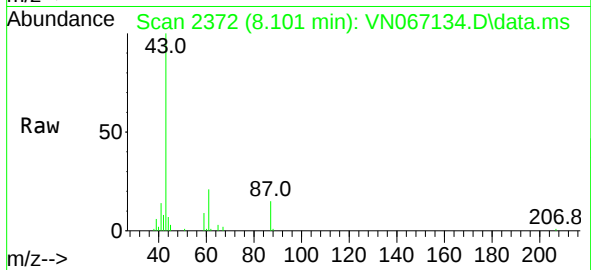
Tgt Ion:	117	Resp:	53274
Ion Ratio	Lower	Upper	
117	100		
119	4.3	78.2	117.2#
121	0.0	24.7	37.1#



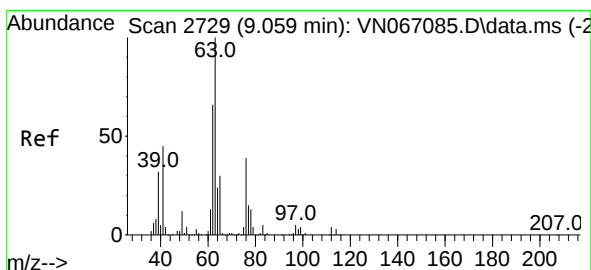
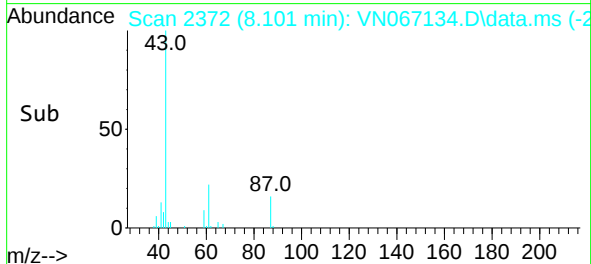
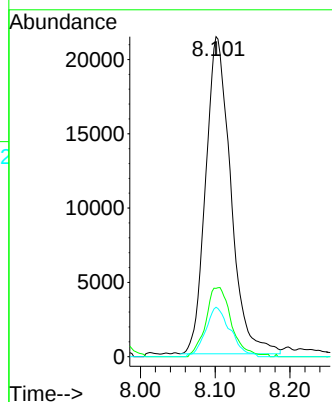


#43
Isopropyl Acetate
Concen: 4.08 ug/l
RT: 8.101 min Scan# 2372
Delta R.T. 0.003 min
Lab File: VN067134.D
Acq: 18 May 2021 18:03

Instrument :
MSVOA_N
ClientSampleId :

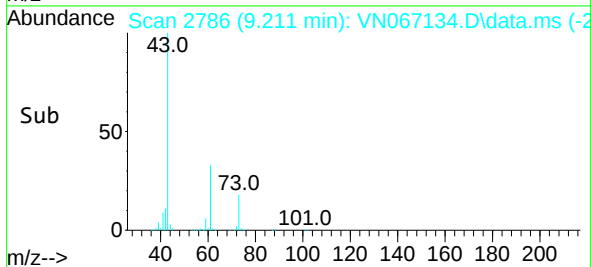
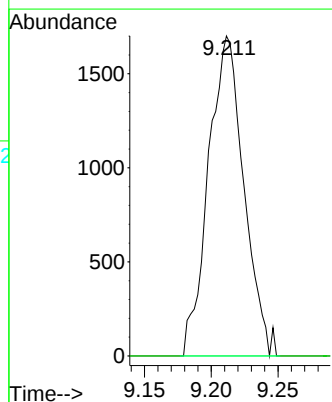
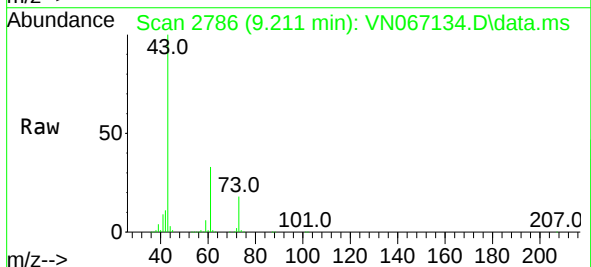


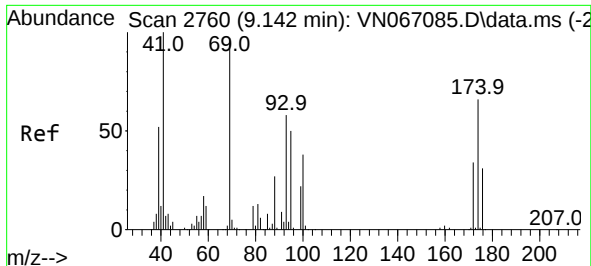
Tgt Ion: 43 Resp: 49872
Ion Ratio Lower Upper
43 100
61 22.2 23.4 35.0#
87 15.3 12.2 18.2



#45
1,2-Dichloropropane
Concen: 0.47 ug/l
RT: 9.211 min Scan# 2786
Delta R.T. 0.152 min
Lab File: VN067134.D
Acq: 18 May 2021 18:03

Tgt Ion: 63 Resp: 3145
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#

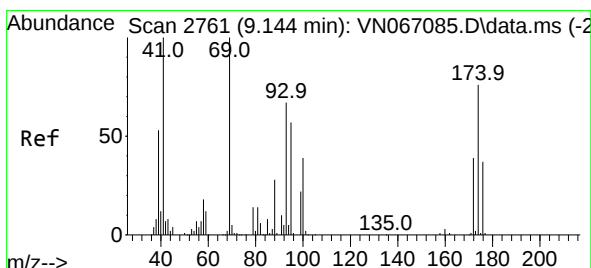
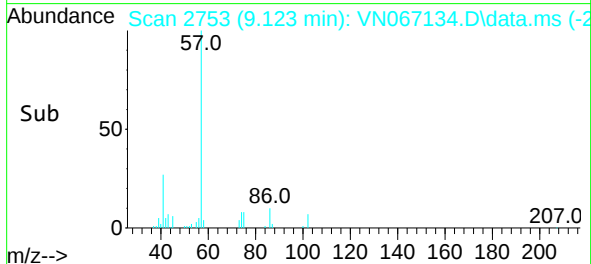
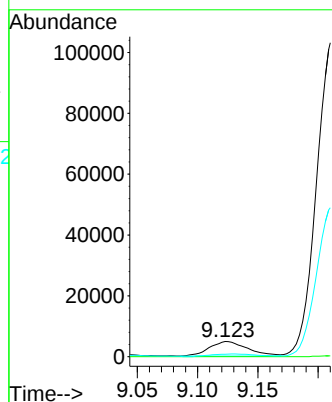
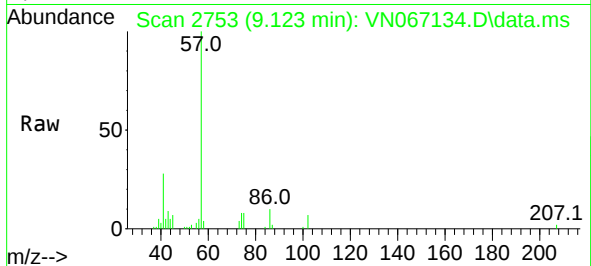




#48
Methyl methacrylate
Concen: 3.66 ug/l
RT: 9.123 min Scan# 2753
Delta R.T. -0.019 min
Lab File: VN067134.D
Acq: 18 May 2021 18:03

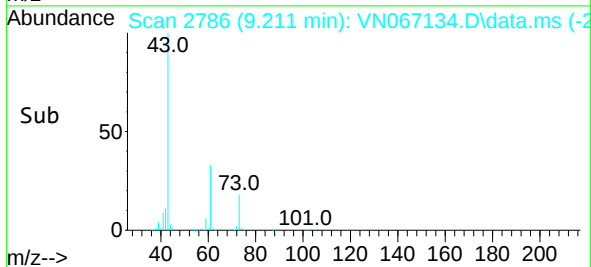
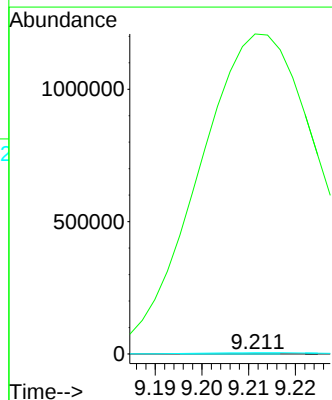
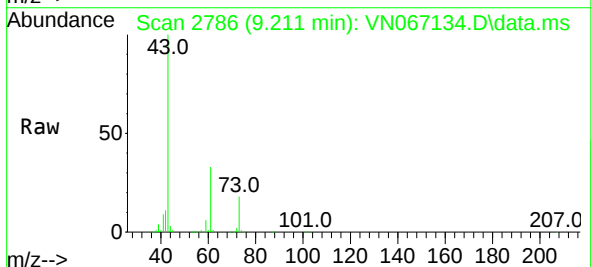
Instrument :
MSVOA_N
ClientSampled :

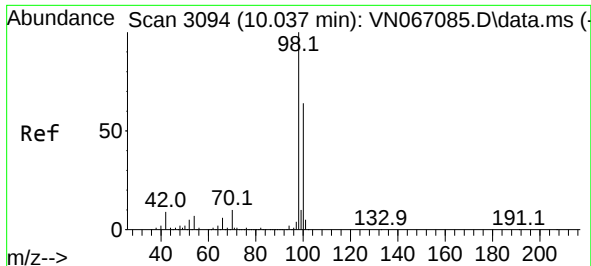
Tgt Ion: 41 Resp: 10524
Ion Ratio Lower Upper
41 100
69 0.0 80.5 120.7#
39 0.0 41.4 62.0#



#49
1,4-Dioxane
Concen: 2.66 ug/l
RT: 9.211 min Scan# 2786
Delta R.T. 0.067 min
Lab File: VN067134.D
Acq: 18 May 2021 18:03

Tgt Ion: 88 Resp: 232
Ion Ratio Lower Upper
88 100
43 1026613.8 21.8 32.8#
58 4046.6 50.8 76.2#

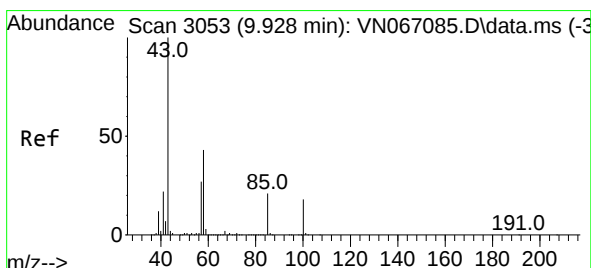
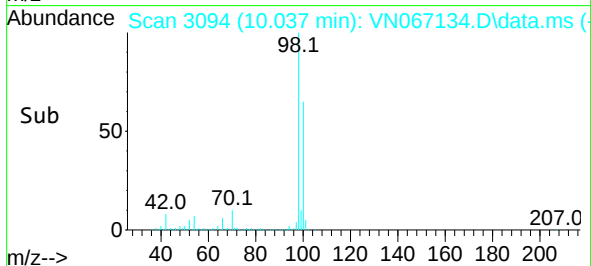
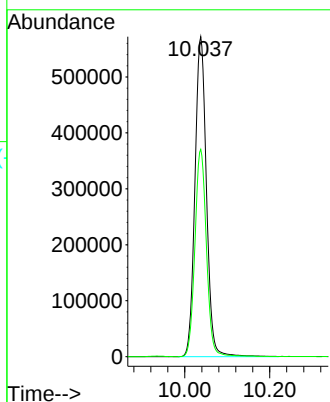
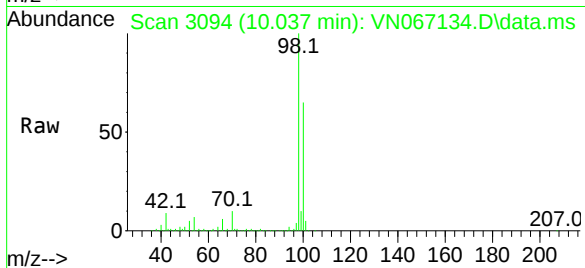




#50
Toluene-d8
Concen: 47.19 ug/l
RT: 10.037 min Scan# 3094
Delta R.T. 0.000 min
Lab File: VN067134.D
Acq: 18 May 2021 18:03

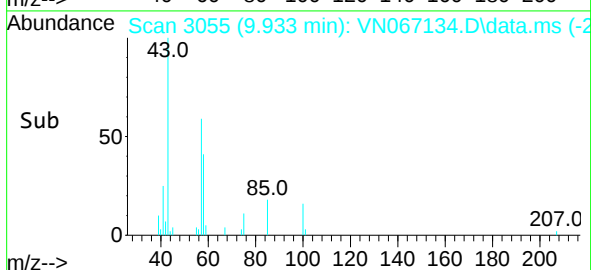
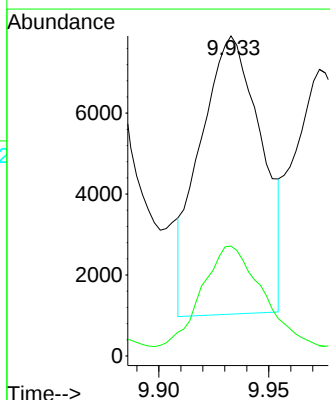
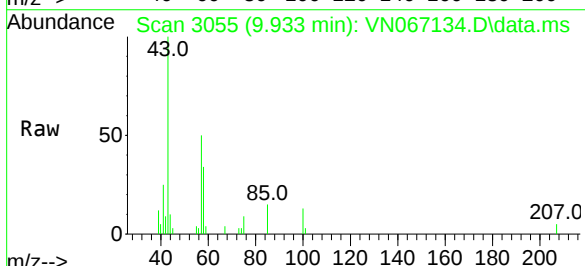
Instrument :
MSVOA_N
ClientSampled :

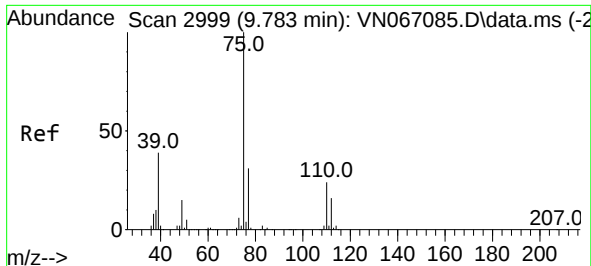
Tgt Ion: 98 Resp: 1074542
Ion Ratio Lower Upper
98 100
100 64.9 51.8 77.8



#51
4-Methyl-2-Pentanone
Concen: 7.16 ug/l
RT: 9.933 min Scan# 3055
Delta R.T. 0.005 min
Lab File: VN067134.D
Acq: 18 May 2021 18:03

Tgt Ion: 43 Resp: 13256
Ion Ratio Lower Upper
43 100
58 37.5 34.5 51.7

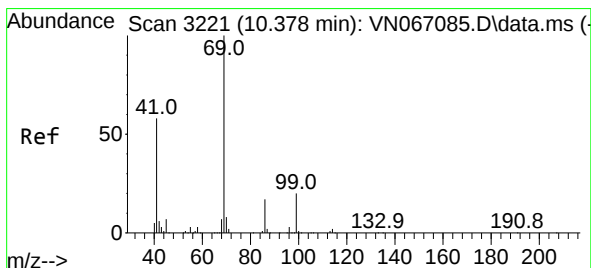
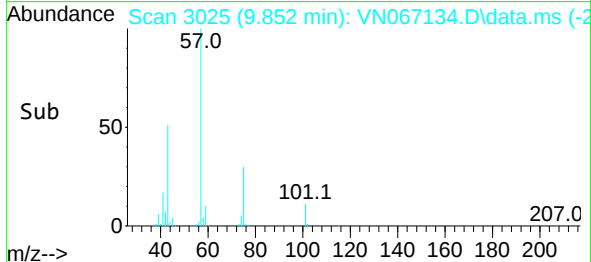
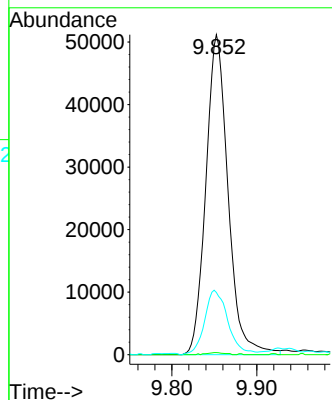
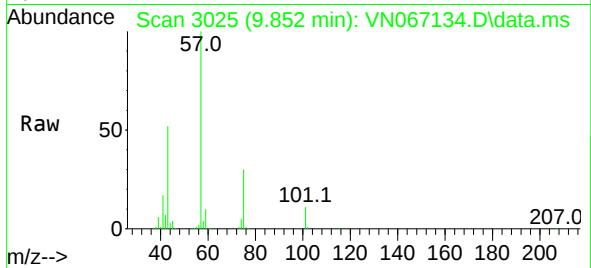




#54
cis-1,3-Dichloropropene
Concen: 8.45 ug/l
RT: 9.852 min Scan# 3025
Delta R.T. 0.069 min
Lab File: VN067134.D
Acq: 18 May 2021 18:03

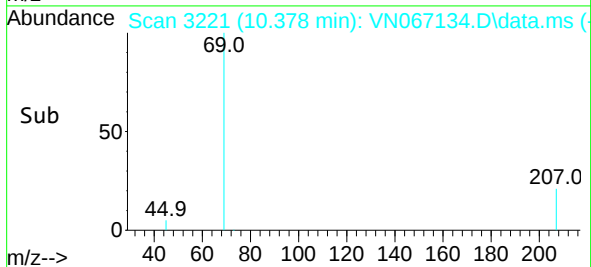
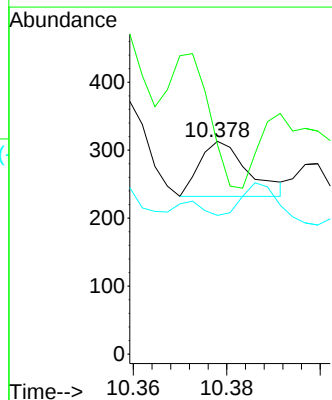
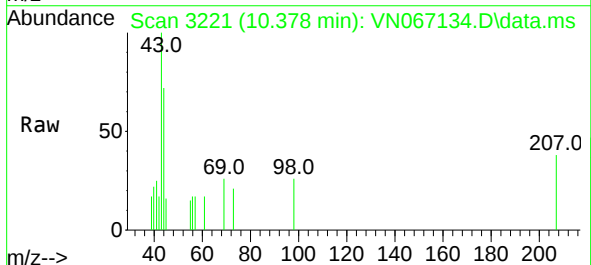
Instrument :
MSVOA_N
ClientSampleId :

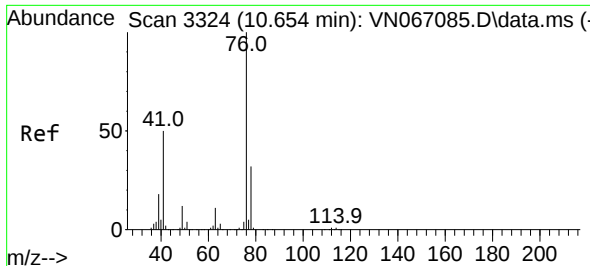
Tgt Ion: 75 Resp: 92849
Ion Ratio Lower Upper
75 100
77 0.7 25.1 37.7#
39 19.4 30.9 46.3#



#56
Ethyl methacrylate
Concen: 1.95 ug/l
RT: 10.378 min Scan# 3221
Delta R.T. 0.000 min
Lab File: VN067134.D
Acq: 18 May 2021 18:03

Tgt Ion: 69 Resp: 58
Ion Ratio Lower Upper
69 100
41 0.0 45.5 68.3#
39 0.0 22.9 34.3#

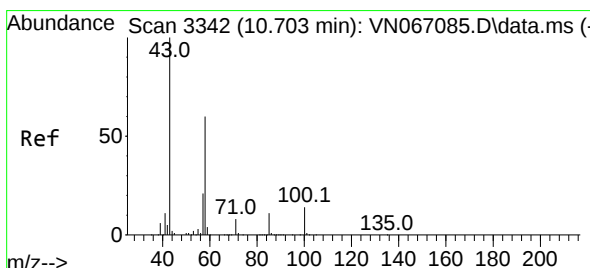
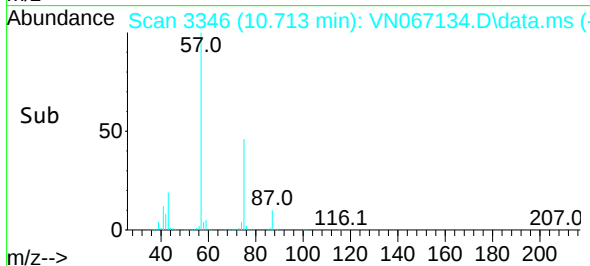
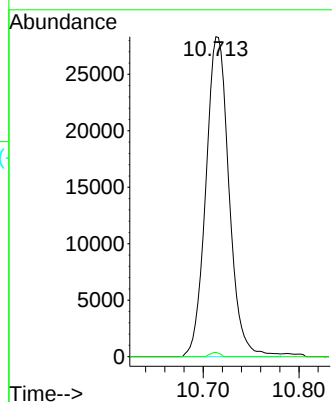
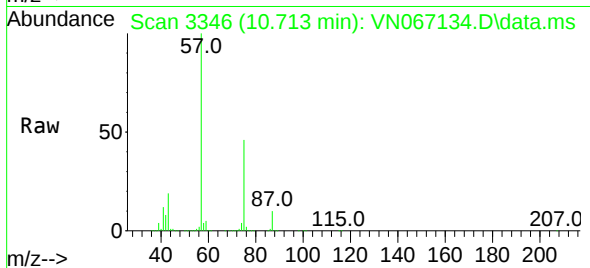




#57
1,3-Dichloropropane
Concen: 4.59 ug/l
RT: 10.713 min Scan# 3346
Delta R.T. 0.059 min
Lab File: VN067134.D
Acq: 18 May 2021 18:03

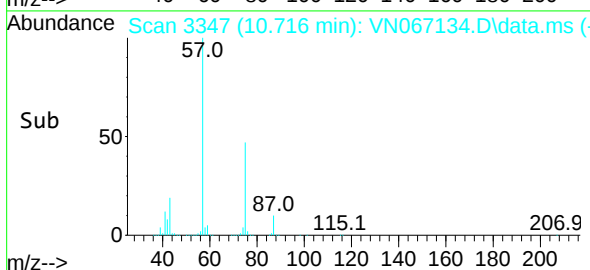
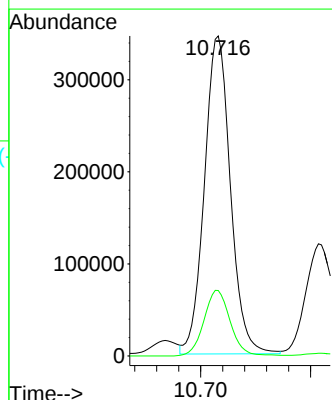
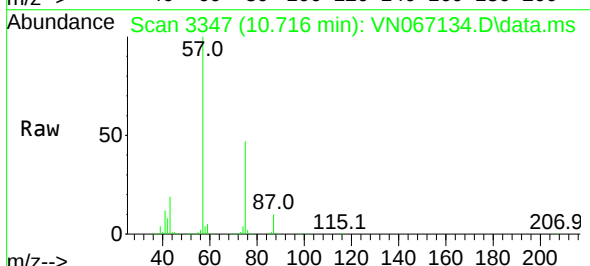
Instrument :
MSVOA_N
ClientSampled :

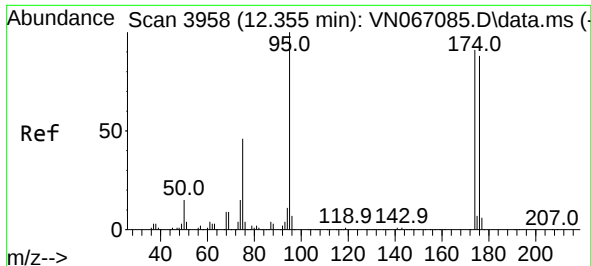
Tgt Ion: 76 Resp: 47706
Ion Ratio Lower Upper
76 100
78 0.6 26.3 39.5#



#59
2-Hexanone
Concen: 131.03 ug/l
RT: 10.716 min Scan# 3347
Delta R.T. 0.013 min
Lab File: VN067134.D
Acq: 18 May 2021 18:03

Tgt Ion: 43 Resp: 567641
Ion Ratio Lower Upper
43 100
58 20.9 29.8 89.5#

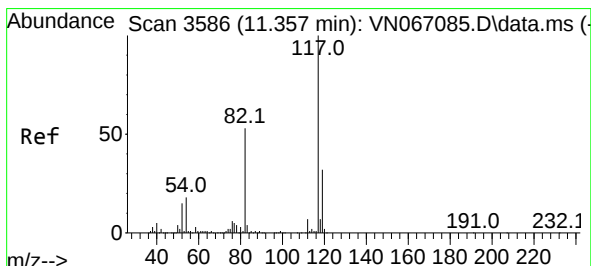
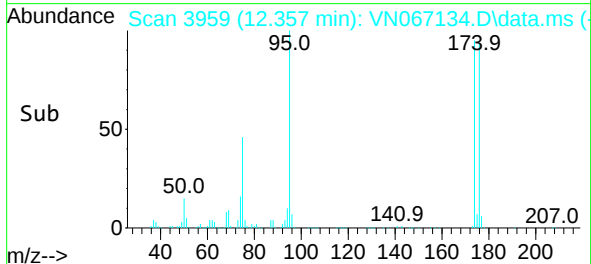
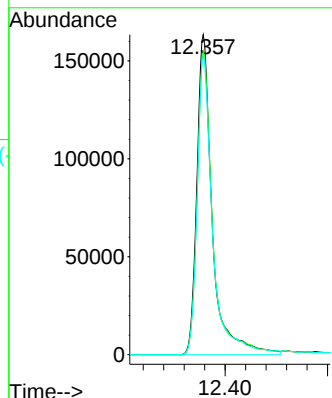
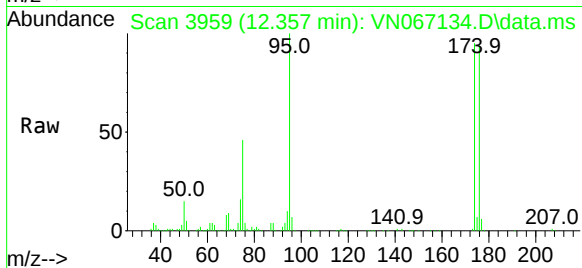




#62
4-Bromofluorobenzene
Concen: 45.00 ug/l
RT: 12.357 min Scan# 3959
Delta R.T. 0.002 min
Lab File: VN067134.D
Acq: 18 May 2021 18:03

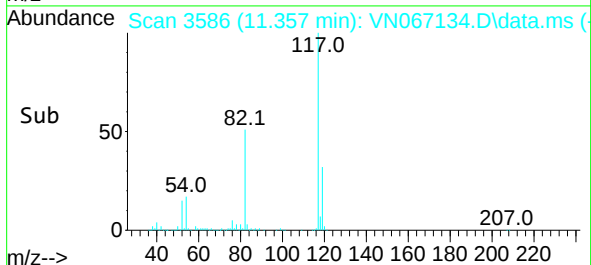
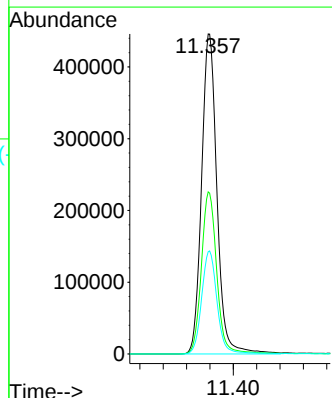
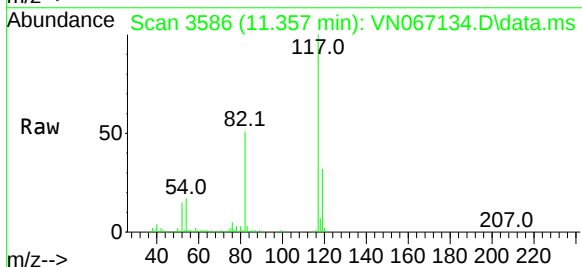
Instrument :
MSVOA_N
ClientSampleId :

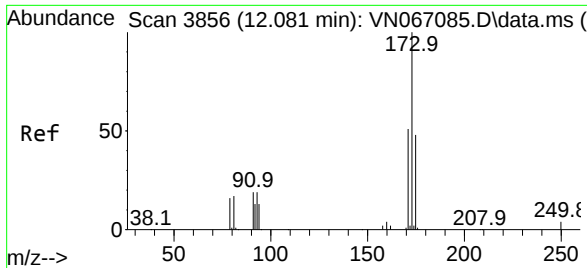
Tgt Ion: 95 Resp: 343198
Ion Ratio Lower Upper
95 100
174 95.5 0.0 182.8
176 91.8 0.0 176.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.357 min Scan# 3586
Delta R.T. -0.000 min
Lab File: VN067134.D
Acq: 18 May 2021 18:03

Tgt Ion: 117 Resp: 815853
Ion Ratio Lower Upper
117 100
82 50.6 42.2 63.2
119 31.9 25.8 38.6

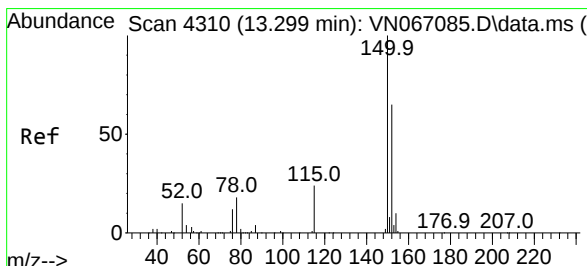
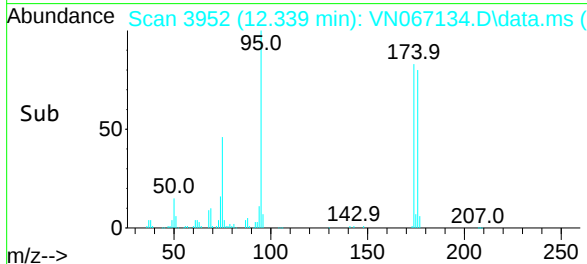
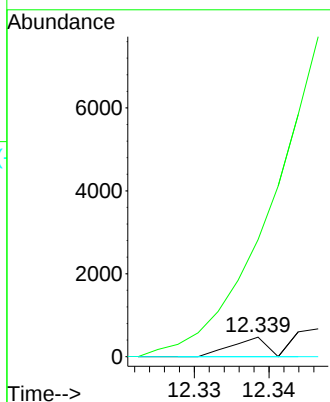
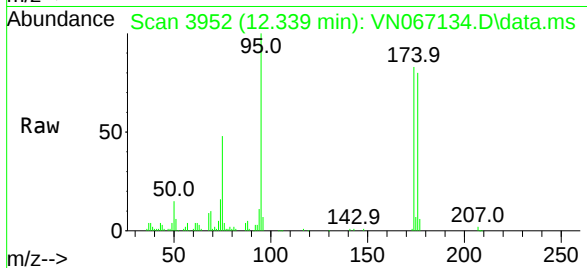




#71
Bromoform
Concen: 1.79 ug/l
RT: 12.339 min Scan# 3952
Delta R.T. 0.258 min
Lab File: VN067134.D
Acq: 18 May 2021 18:03

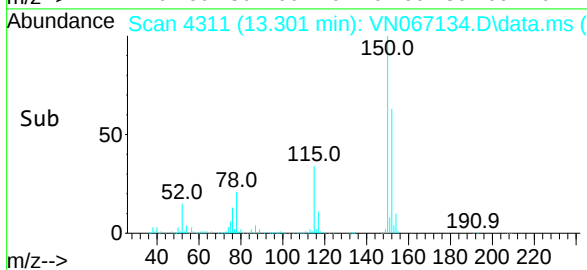
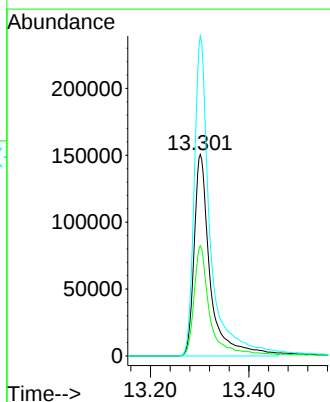
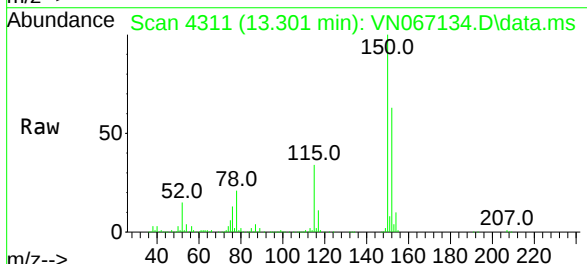
Instrument :
MSVOA_N
ClientSampleId :

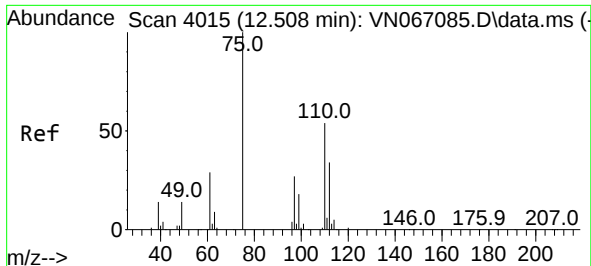
Tgt Ion:173 Resp: 151
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.301 min Scan# 4311
Delta R.T. 0.002 min
Lab File: VN067134.D
Acq: 18 May 2021 18:03

Tgt Ion:152 Resp: 342825
Ion Ratio Lower Upper
152 100
115 51.5 27.0 80.8
150 158.5 0.0 350.2

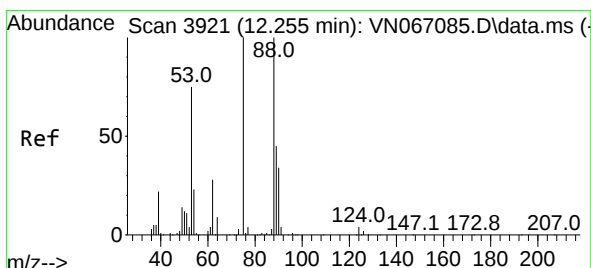
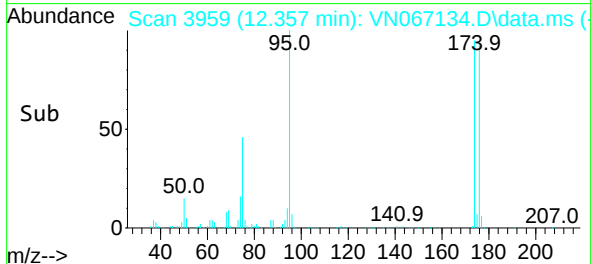
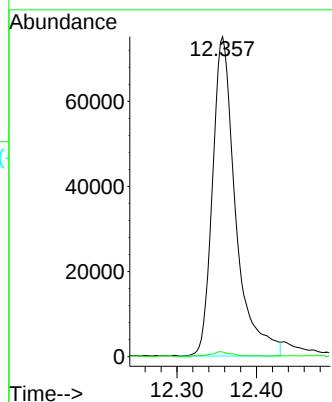
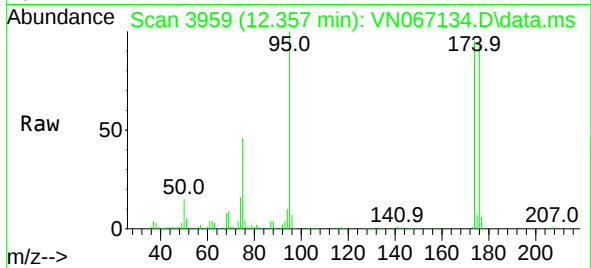




#76
1,2,3-Trichloropropane
Concen: 20.95 ug/l
RT: 12.357 min Scan# 3959
Delta R.T. -0.151 min
Lab File: VN067134.D
Acq: 18 May 2021 18:03

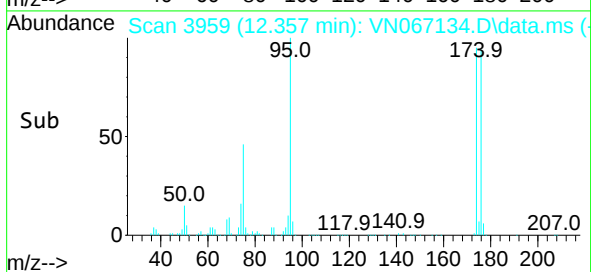
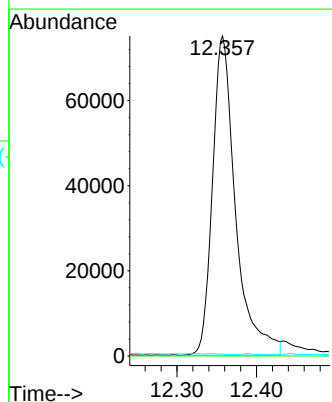
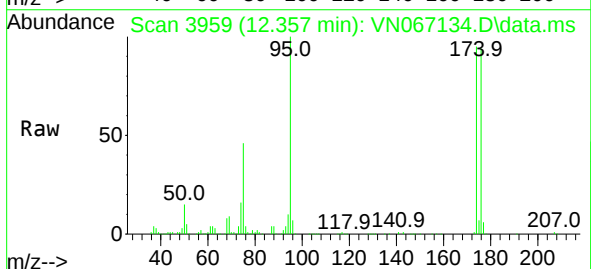
Instrument :
MSVOA_N
ClientSampled :

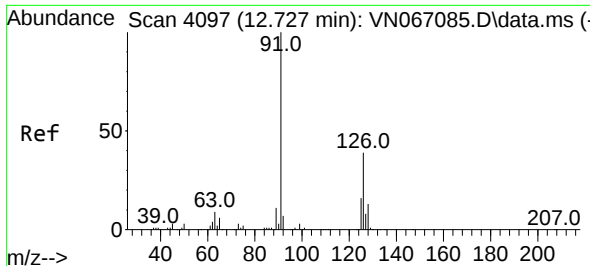
Tgt Ion: 75 Resp: 151589
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.17 ug/l
RT: 12.357 min Scan# 3959
Delta R.T. 0.102 min
Lab File: VN067134.D
Acq: 18 May 2021 18:03

Tgt Ion: 75 Resp: 151589
Ion Ratio Lower Upper
75 100
53 0.0 66.3 99.5#
89 0.2 39.5 59.3#

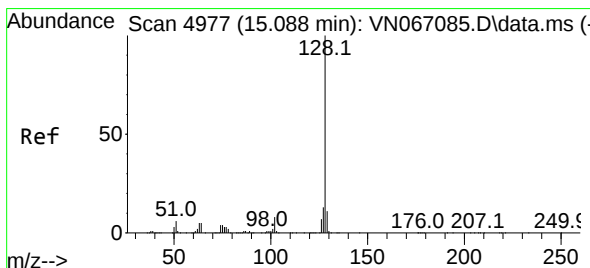
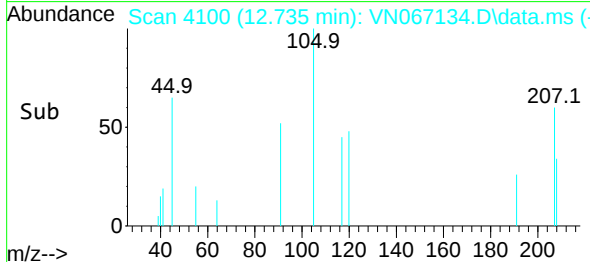
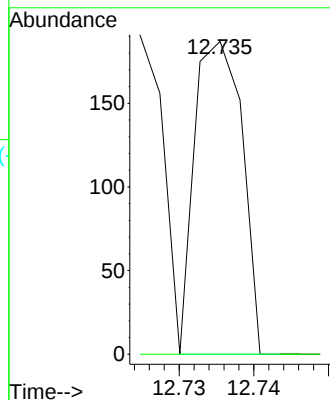
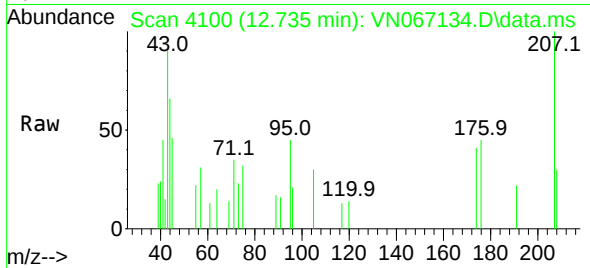




#82
4-Chlorotoluene
Concen: 1.19 ug/l
RT: 12.735 min Scan# 4100
Delta R.T. 0.008 min
Lab File: VN067134.D
Acq: 18 May 2021 18:03

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 91 Resp: 83
Ion Ratio Lower Upper
91 100
126 0.0 17.7 53.1#



#95
Naphthalene
Concen: 3.39 ug/l
RT: 15.114 min Scan# 4987
Delta R.T. 0.026 min
Lab File: VN067134.D
Acq: 18 May 2021 18:03

Tgt Ion: 128 Resp: 2094
Ion Ratio Lower Upper
128 100
127 1.2 10.2 15.2#
129 0.0 8.6 13.0#

