

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051721\
 Data File : VN067111.D
 Acq On : 17 May 2021 18:58
 Operator : JC/MD
 Sample : M2387-10 50X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 18 04:11:25 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)

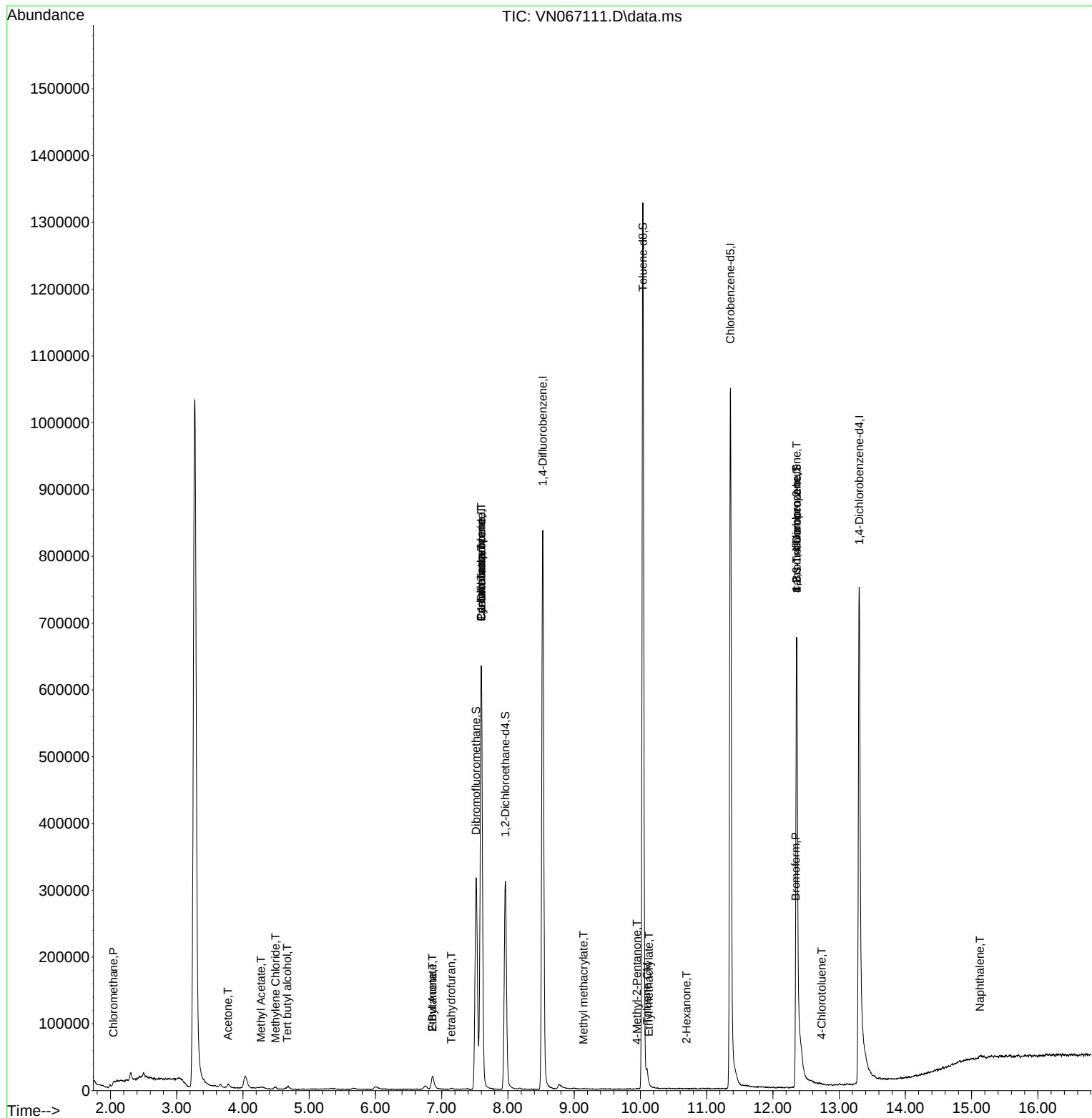
Internal Standards						
1) Pentafluorobenzene	7.600	168	597603	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.525	114	840542	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.360	117	742719	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.304	152	337919	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.962	65	282719	43.79	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	87.58%		
35) Dibromofluoromethane	7.519	113	258263	46.79	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	93.58%		
50) Toluene-d8	10.037	98	997957	47.71	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	95.42%		
62) 4-Bromofluorobenzene	12.357	95	335523	47.88	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	95.76%		
Target Compounds						Qvalue
3) Chloromethane	2.045	50	1635	0.25	ug/l	93
11) Tert butyl alcohol	4.668	59	1521	1.41	ug/l	99
13) Acrolein	3.561	56	780	Below Cal		100
16) Acetone	3.772	43	9264	4.62	ug/l	96
18) Methyl Acetate	4.274	43	1768	0.30	ug/l #	78
20) Methylene Chloride	4.494	84	1481	0.30	ug/l #	77
25) 2-Butanone	6.862	43	34793	11.12	ug/l #	44
29) Tetrahydrofuran	7.144	42	807	0.42	ug/l #	28
31) Cyclohexane	7.600	56	9056	1.02	ug/l #	1
36) 1,1-Dichloropropene	7.597	75	35620	4.65	ug/l #	48
37) Ethyl Acetate	6.862	43	34793	5.14	ug/l	100
38) Carbon Tetrachloride	7.600	117	50956	6.24	ug/l #	15
48) Methyl methacrylate	9.142	41	89	1.96	ug/l #	1
51) 4-Methyl-2-Pentanone	9.946	43	392	5.46	ug/l #	58
52) Toluene	10.102	92	7954	0.53	ug/l	97
56) Ethyl methacrylate	10.126	69	88	1.95	ug/l #	79
59) 2-Hexanone	10.695	43	172	21.95	ug/l #	21
71) Bromoform	12.341	173	143	1.79	ug/l #	28
76) 1,2,3-Trichloropropane	12.357	75	154894	21.72	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.357	75	154894	65.33	ug/l #	15
82) 4-Chlorotoluene	12.736	91	25	1.18	ug/l #	39
95) Naphthalene	15.125	128	4119	3.52	ug/l #	88

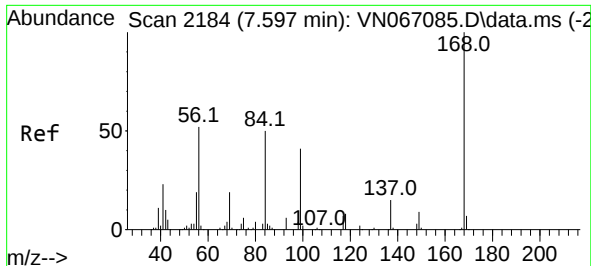
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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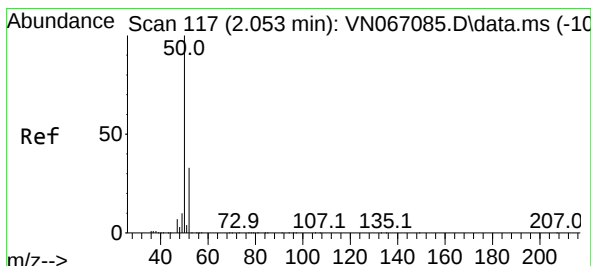
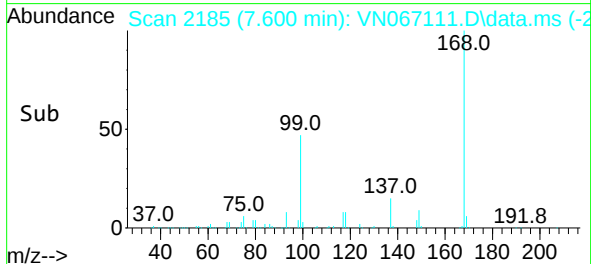
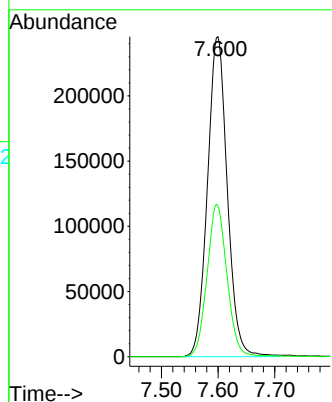
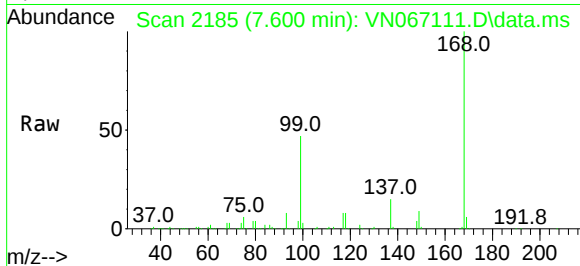




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.600 min Scan# 2185
Delta R.T. 0.003 min
Lab File: VN067111.D
Acq: 17 May 2021 18:58

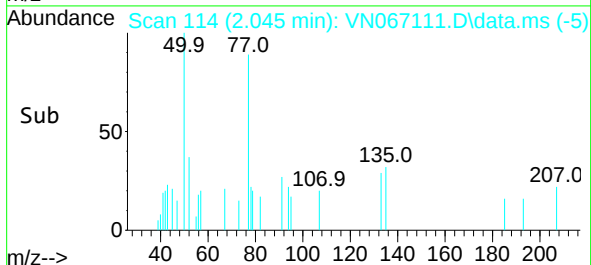
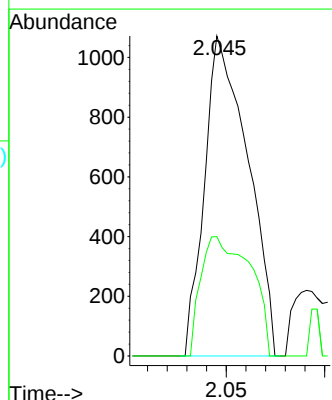
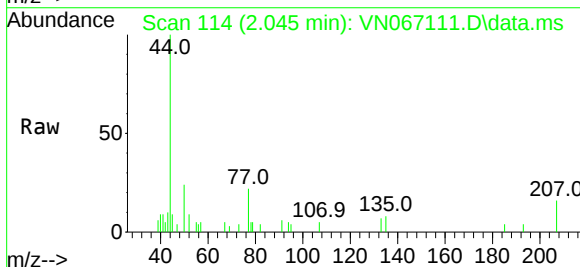
Instrument :
MSVOA_N
ClientSampled :

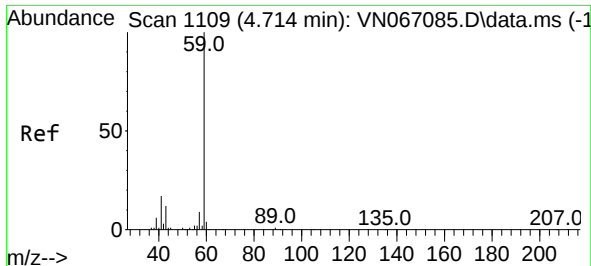
Tgt Ion:168 Resp: 597603
Ion Ratio Lower Upper
168 100
99 47.2 38.5 57.7



#3
Chloromethane
Concen: 0.25 ug/l
RT: 2.045 min Scan# 114
Delta R.T. -0.008 min
Lab File: VN067111.D
Acq: 17 May 2021 18:58

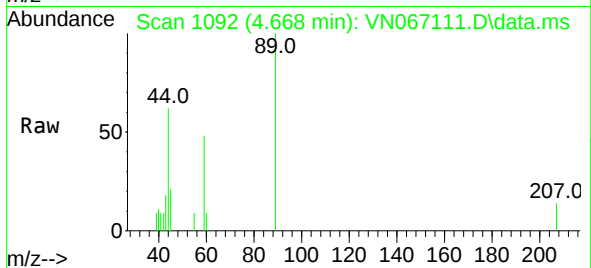
Tgt Ion: 50 Resp: 1635
Ion Ratio Lower Upper
50 100
52 37.3 26.5 39.7



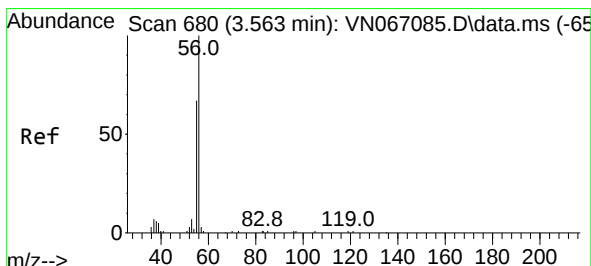
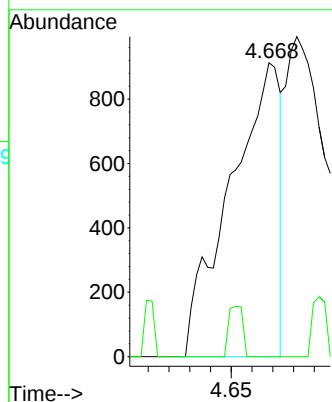
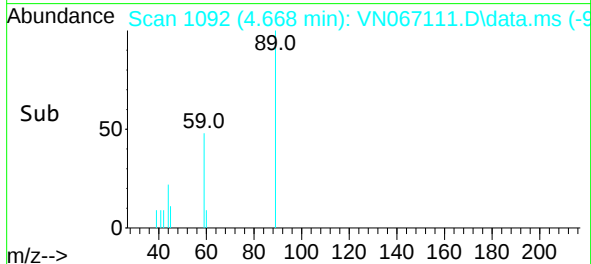


#11
Tert butyl alcohol
Concen: 1.41 ug/l
RT: 4.668 min Scan# 1092
Delta R.T. -0.046 min
Lab File: VN067111.D
Acq: 17 May 2021 18:58

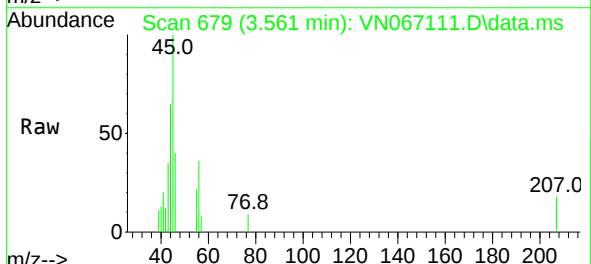
Instrument :
MSVOA_N
ClientSampled :



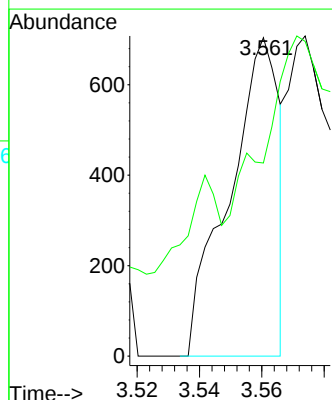
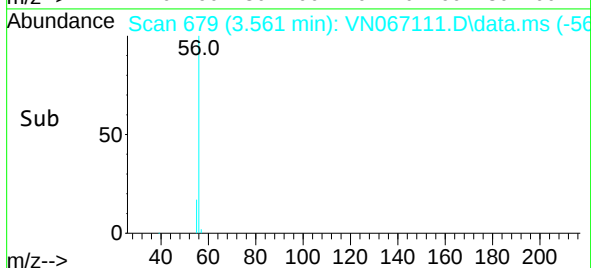
Tgt Ion: 59 Resp: 1521
Ion Ratio Lower Upper
59 100
57 4.9 3.5 5.3

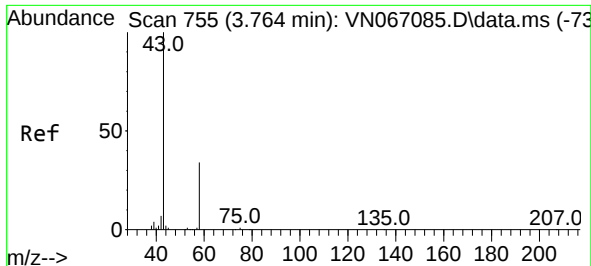


#13
Acrolein
Concen: Below Cal
RT: 3.561 min Scan# 679
Delta R.T. -0.002 min
Lab File: VN067111.D
Acq: 17 May 2021 18:58



Tgt Ion: 56 Resp: 780
Ion Ratio Lower Upper
56 100
55 67.3 53.8 80.6

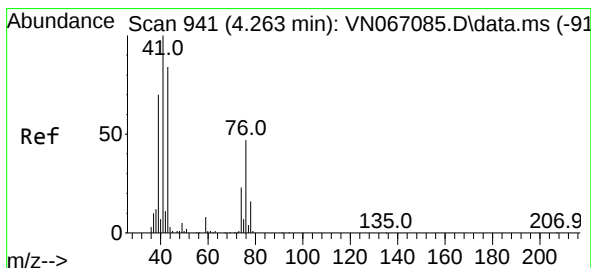
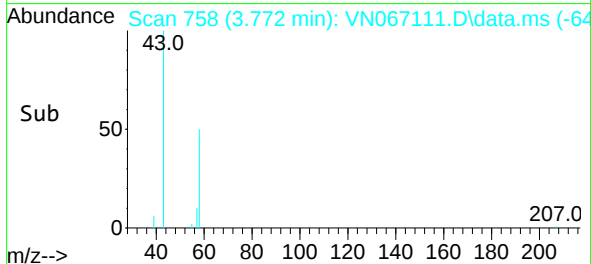
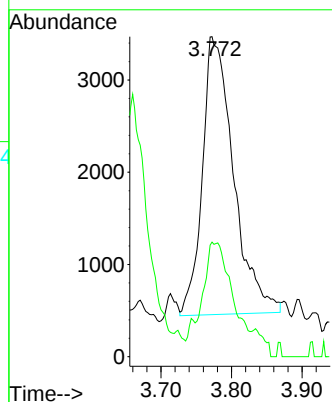
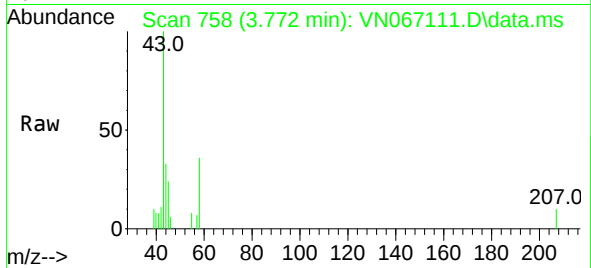




#16
Acetone
Concen: 4.62 ug/l
RT: 3.772 min Scan# 758
Delta R.T. 0.008 min
Lab File: VN067111.D
Acq: 17 May 2021 18:58

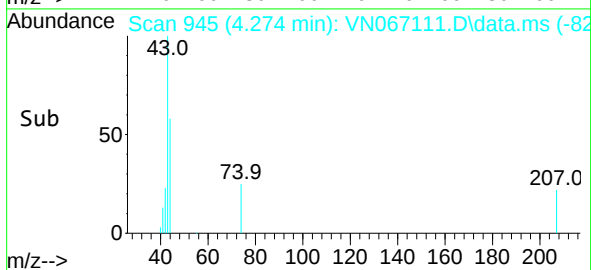
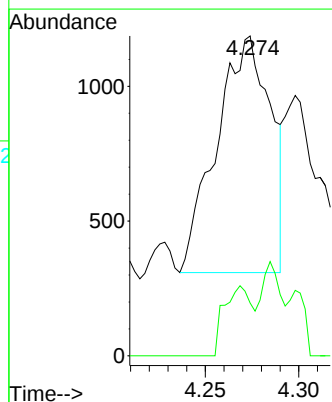
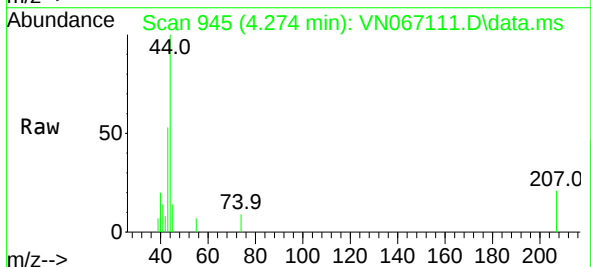
Instrument :
MSVOA_N
ClientSampled :

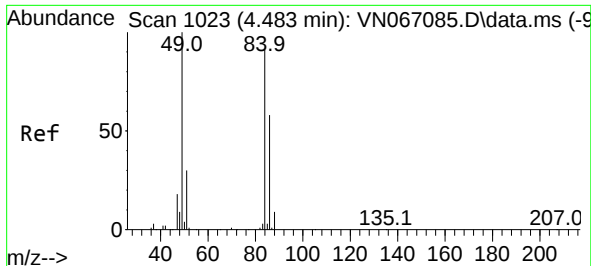
Tgt Ion: 43 Resp: 9264
Ion Ratio Lower Upper
43 100
58 36.4 27.2 40.8



#18
Methyl Acetate
Concen: 0.30 ug/l
RT: 4.274 min Scan# 945
Delta R.T. 0.011 min
Lab File: VN067111.D
Acq: 17 May 2021 18:58

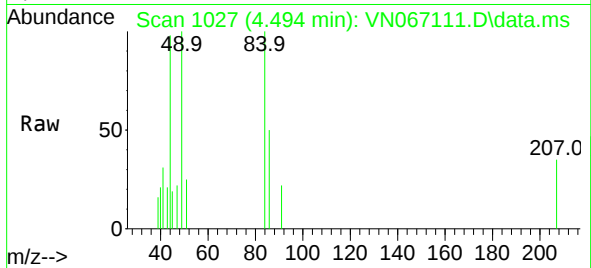
Tgt Ion: 43 Resp: 1768
Ion Ratio Lower Upper
43 100
74 15.2 21.4 32.2#



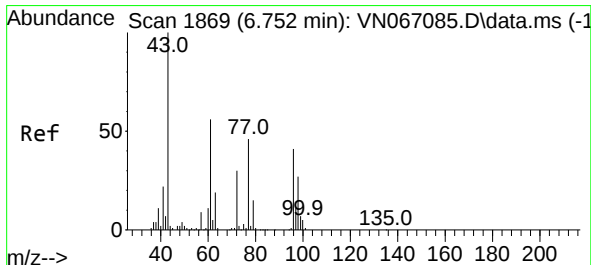
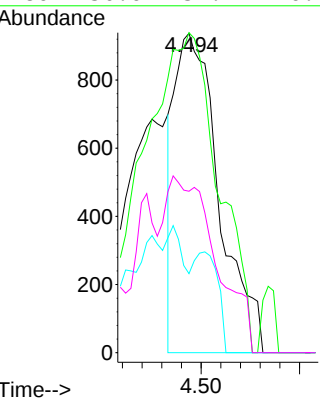
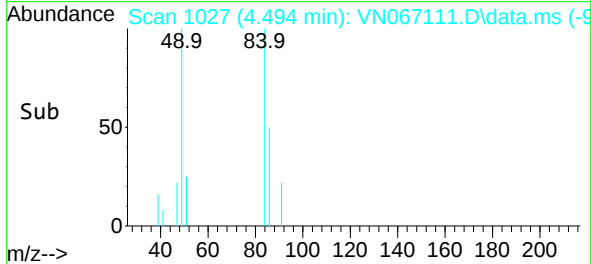


#20
Methylene Chloride
Concen: 0.30 ug/l
RT: 4.494 min Scan# 1027
Delta R.T. 0.011 min
Lab File: VN067111.D
Acq: 17 May 2021 18:58

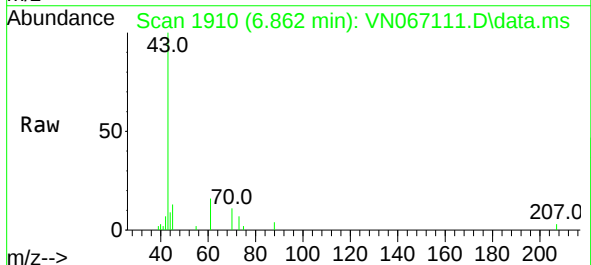
Instrument :
MSVOA_N
ClientSampleId :



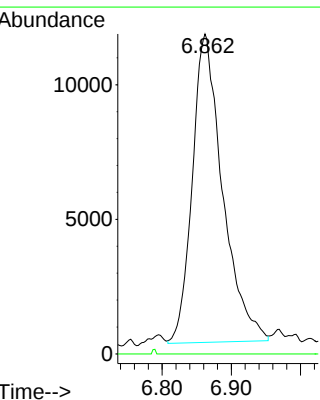
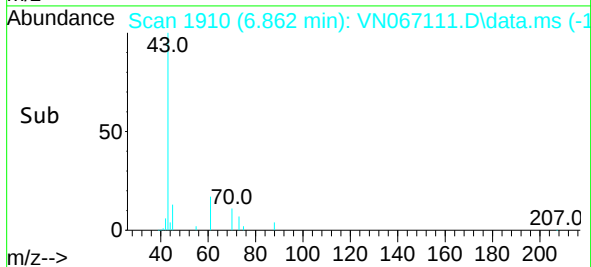
Tgt Ion: 84 Resp: 1481
Ion Ratio Lower Upper
84 100
49 79.4 88.3 132.5#
51 24.8 26.7 40.1#
86 50.6 51.1 76.7#

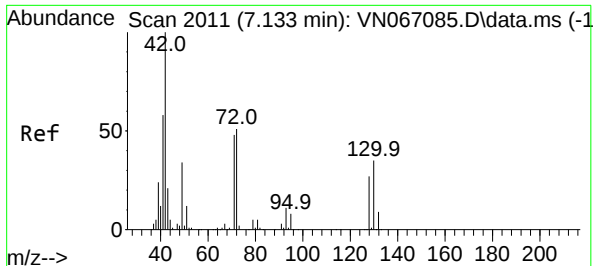


#25
2-Butanone
Concen: 11.12 ug/l
RT: 6.862 min Scan# 1910
Delta R.T. 0.110 min
Lab File: VN067111.D
Acq: 17 May 2021 18:58



Tgt Ion: 43 Resp: 34793
Ion Ratio Lower Upper
43 100
72 0.0 24.4 36.6#





#29

Tetrahydrofuran

Concen: 0.42 ug/l

RT: 7.144 min Scan# 2015

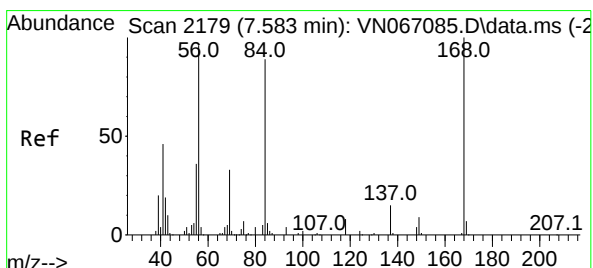
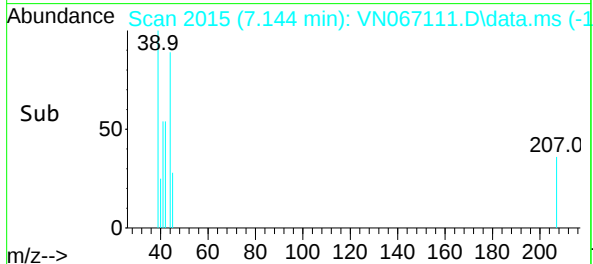
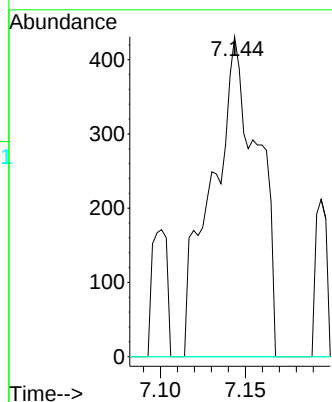
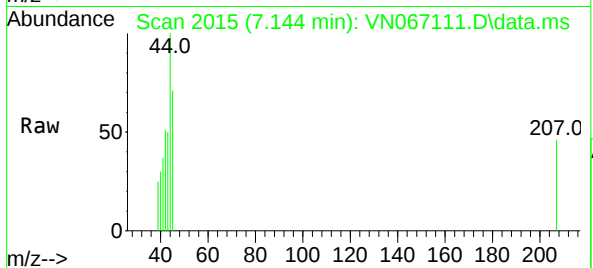
Delta R.T. 0.011 min

Lab File: VN067111.D

Acq: 17 May 2021 18:58

Tgt Ion:	42	Resp:	807
Ion Ratio	Lower	Upper	
42	100		
72	0.0	40.1	60.1#
71	0.0	37.9	56.9#

Instrument :
MSVOA_N
ClientSampleId :



#31

Cyclohexane

Concen: 1.02 ug/l

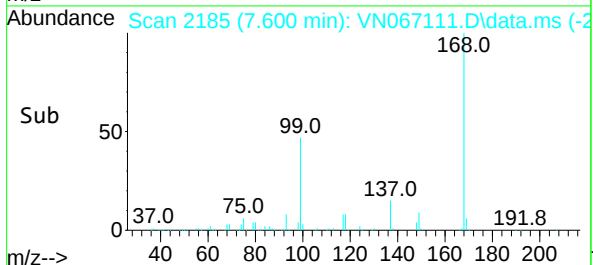
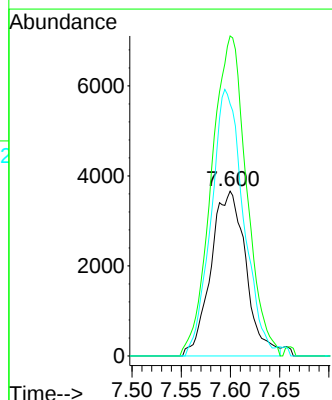
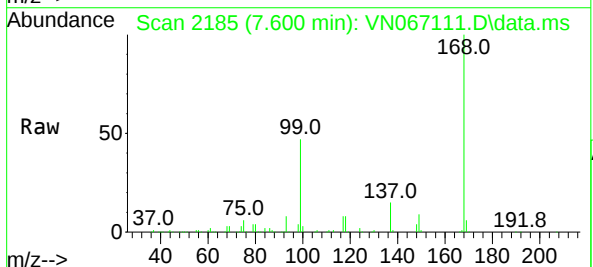
RT: 7.600 min Scan# 2185

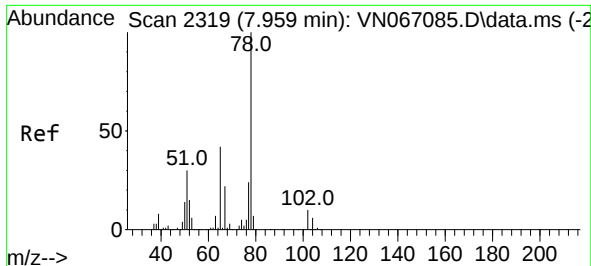
Delta R.T. 0.017 min

Lab File: VN067111.D

Acq: 17 May 2021 18:58

Tgt Ion:	56	Resp:	9056
Ion Ratio	Lower	Upper	
56	100		
69	194.1	28.0	42.0#
84	152.8	74.2	111.2#





#33

1,2-Dichloroethane-d4

Concen: 43.79 ug/l

RT: 7.962 min Scan# 2320

Delta R.T. 0.003 min

Lab File: VN067111.D

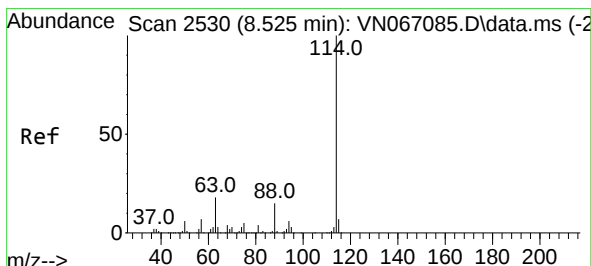
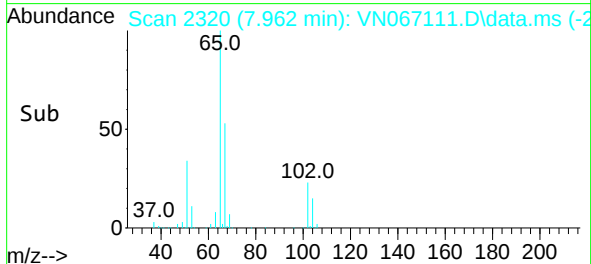
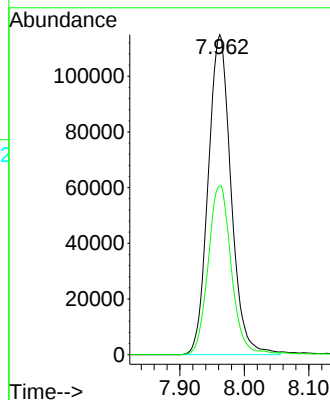
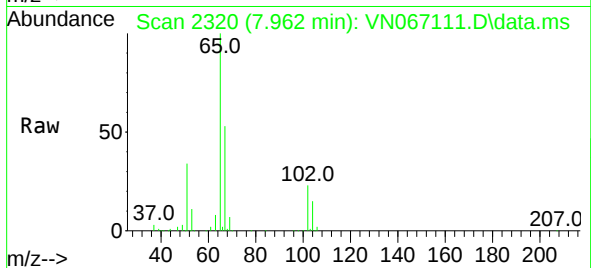
Acq: 17 May 2021 18:58

Tgt Ion: 65 Resp: 282719

Ion Ratio Lower Upper

65 100

67 53.5 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: VN067111.D

Acq: 17 May 2021 18:58

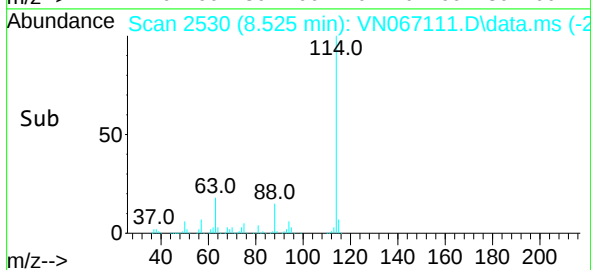
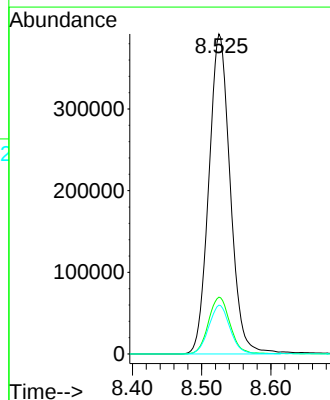
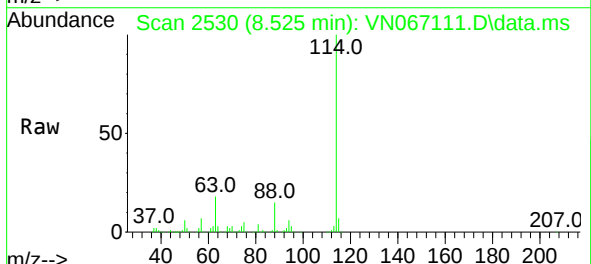
Tgt Ion: 114 Resp: 840542

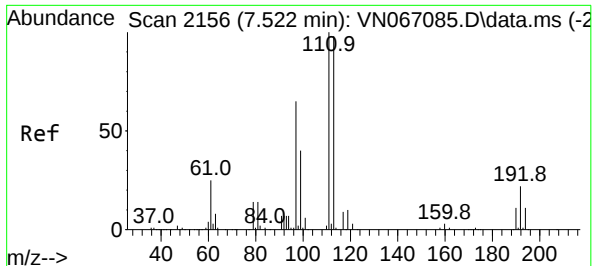
Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.8

88 15.3 0.0 30.4

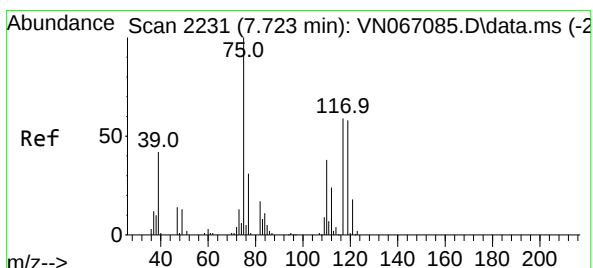
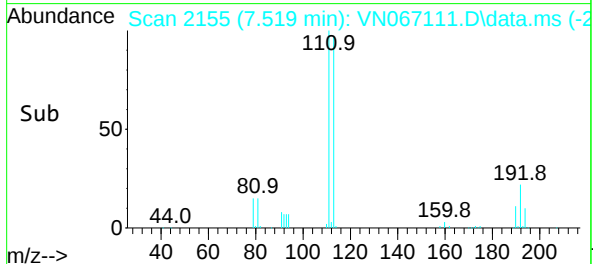
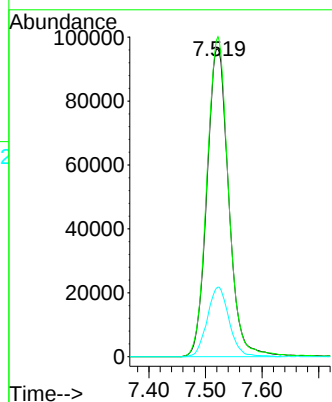
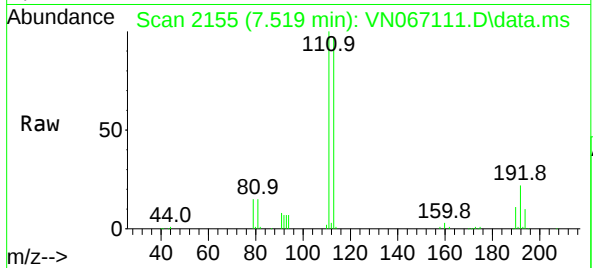




#35
Dibromofluoromethane
Concen: 46.79 ug/l
RT: 7.519 min Scan# 2155
Delta R.T. -0.003 min
Lab File: VN067111.D
Acq: 17 May 2021 18:58

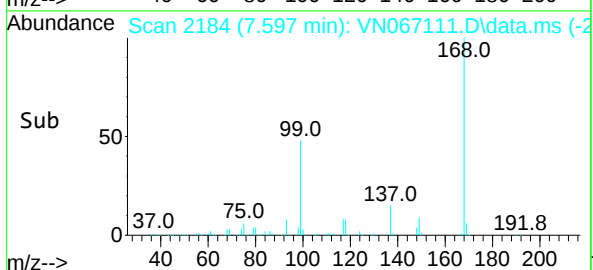
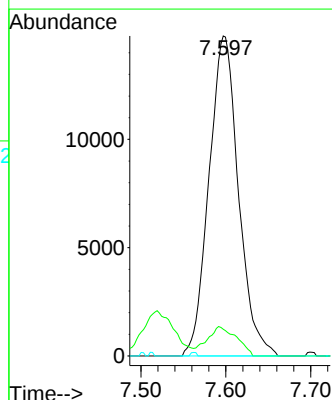
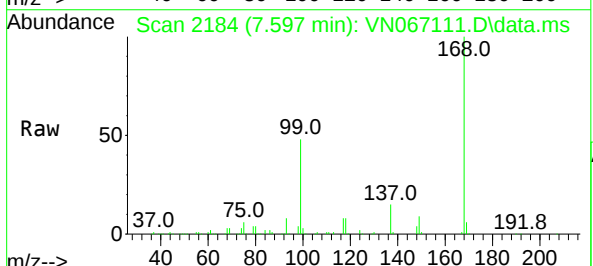
Instrument :
MSVOA_N
ClientSampleId :

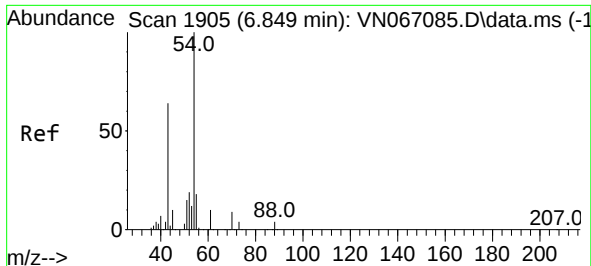
Tgt Ion:113 Resp: 258263
Ion Ratio Lower Upper
113 100
111 102.7 82.6 124.0
192 22.6 18.2 27.4



#36
1,1-Dichloropropene
Concen: 4.65 ug/l
RT: 7.597 min Scan# 2184
Delta R.T. -0.126 min
Lab File: VN067111.D
Acq: 17 May 2021 18:58

Tgt Ion: 75 Resp: 35620
Ion Ratio Lower Upper
75 100
110 9.2 19.1 57.3#
77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 5.14 ug/l

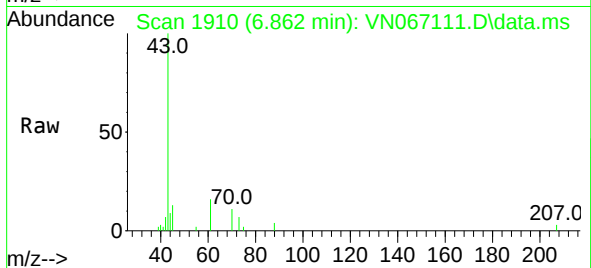
RT: 6.862 min Scan# 1910

Delta R.T. 0.013 min

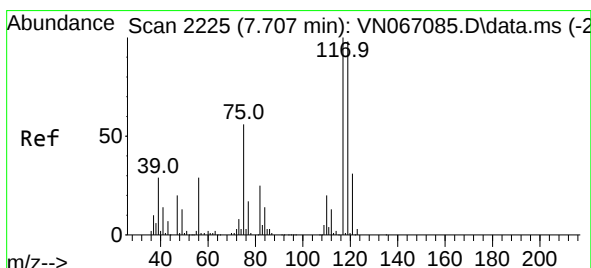
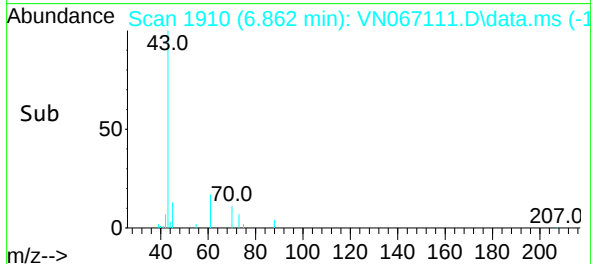
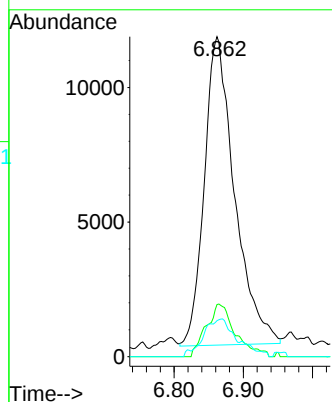
Lab File: VN067111.D

Acq: 17 May 2021 18:58

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion:	43	Resp:	34793
Ion	Ratio	Lower	Upper
43	100		
61	16.4	13.0	19.4
70	11.5	9.2	13.8



#38

Carbon Tetrachloride

Concen: 6.24 ug/l

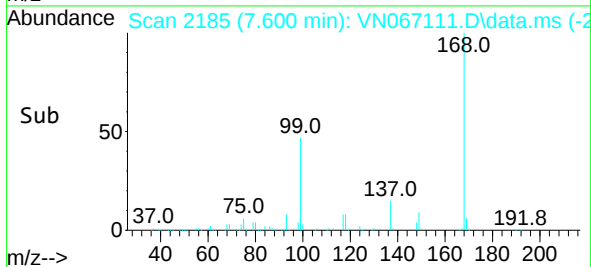
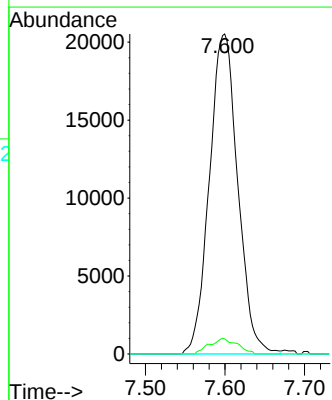
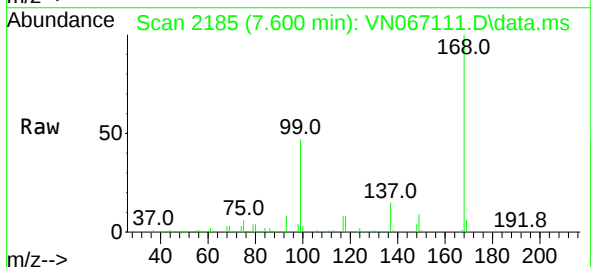
RT: 7.600 min Scan# 2185

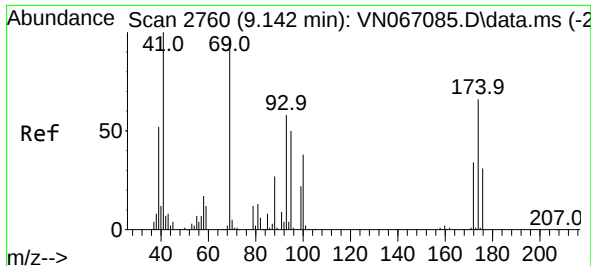
Delta R.T. -0.107 min

Lab File: VN067111.D

Acq: 17 May 2021 18:58

Tgt Ion:	117	Resp:	50956
Ion	Ratio	Lower	Upper
117	100		
119	4.7	78.2	117.2#
121	0.0	24.7	37.1#

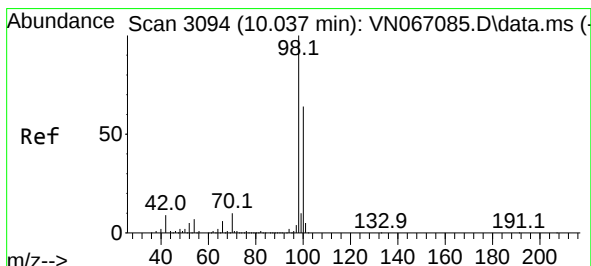
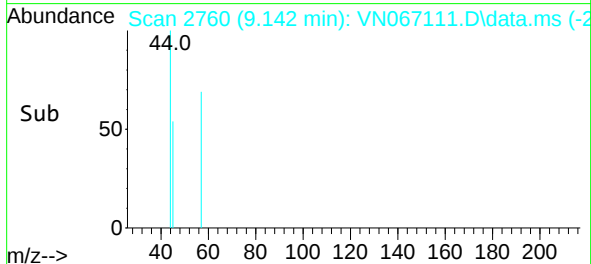
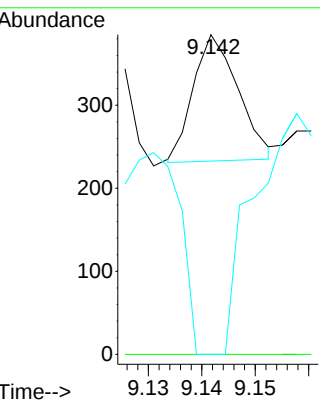
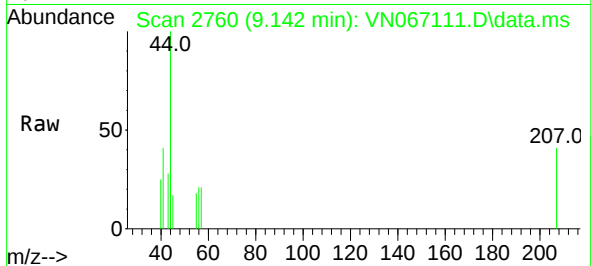




#48
Methyl methacrylate
Concen: 1.96 ug/l
RT: 9.142 min Scan# 2760
Delta R.T. -0.000 min
Lab File: VN067111.D
Acq: 17 May 2021 18:58

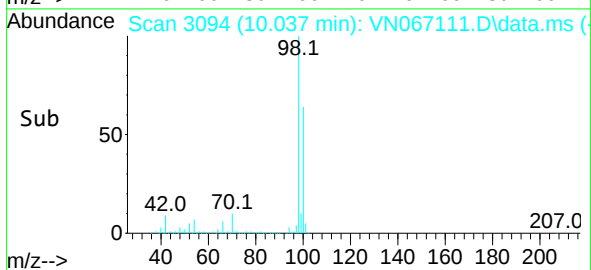
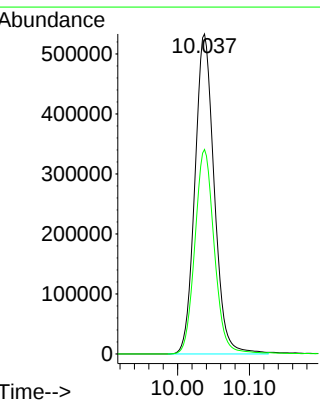
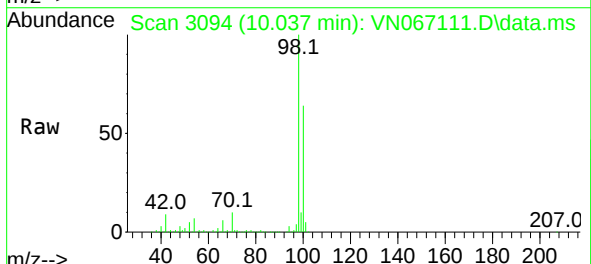
Instrument :
MSVOA_N
ClientSampled :

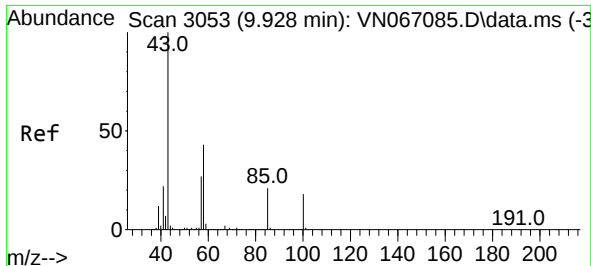
Tgt Ion: 41 Resp: 89
Ion Ratio Lower Upper
41 100
69 0.0 80.5 120.7#
39 351.7 41.4 62.0#



#50
Toluene-d8
Concen: 47.71 ug/l
RT: 10.037 min Scan# 3094
Delta R.T. 0.000 min
Lab File: VN067111.D
Acq: 17 May 2021 18:58

Tgt Ion: 98 Resp: 997957
Ion Ratio Lower Upper
98 100
100 64.1 51.8 77.8

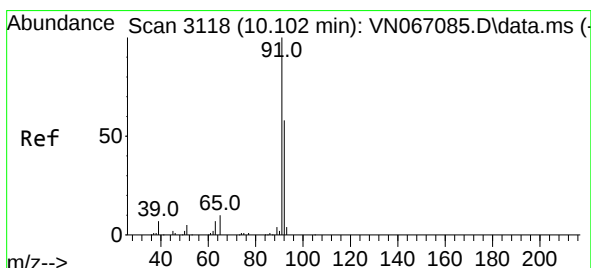
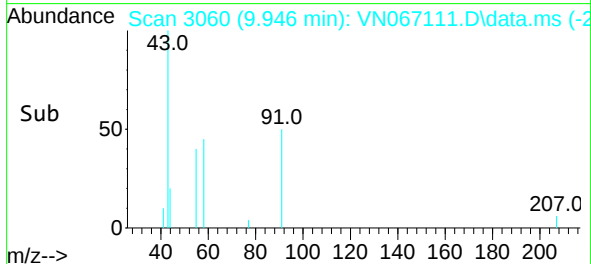
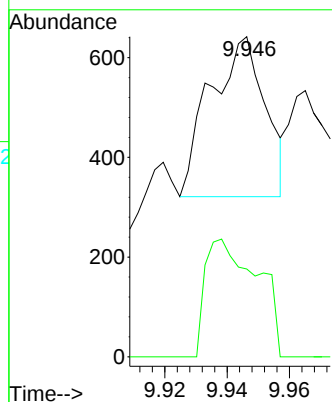
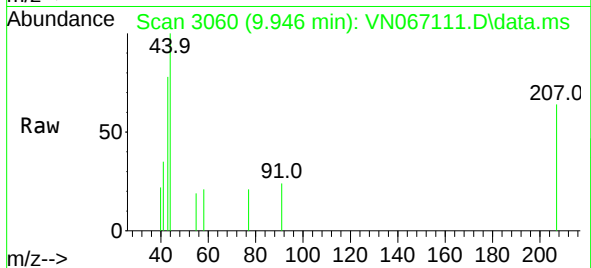




#51
4-Methyl-2-Pentanone
Concen: 5.46 ug/l
RT: 9.946 min Scan# 3060
Delta R.T. 0.018 min
Lab File: VN067111.D
Acq: 17 May 2021 18:58

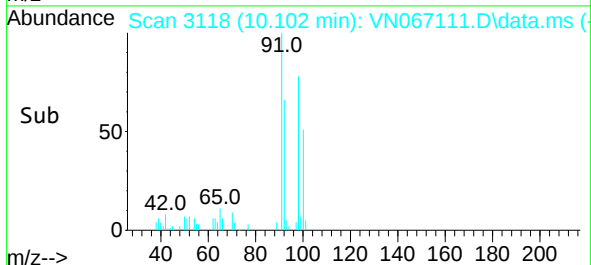
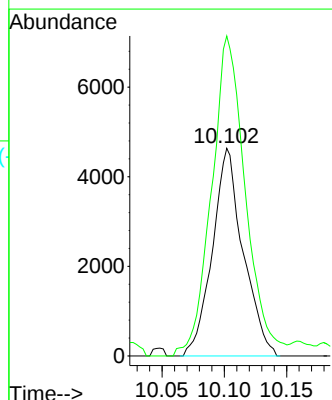
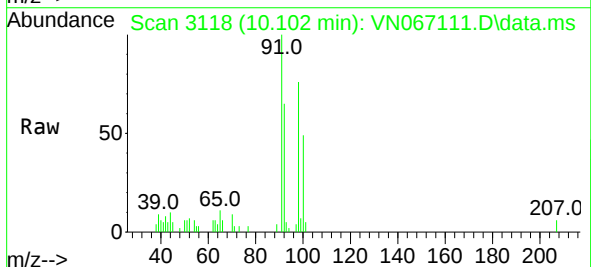
Instrument :
MSVOA_N
ClientSampleId :

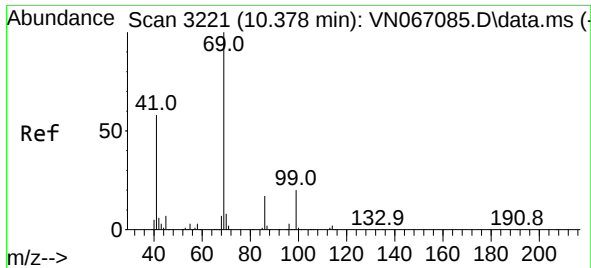
Tgt Ion: 43 Resp: 392
Ion Ratio Lower Upper
43 100
58 69.9 34.5 51.7#



#52
Toluene
Concen: 0.53 ug/l
RT: 10.102 min Scan# 3118
Delta R.T. -0.000 min
Lab File: VN067111.D
Acq: 17 May 2021 18:58

Tgt Ion: 92 Resp: 7954
Ion Ratio Lower Upper
92 100
91 169.6 138.7 208.1

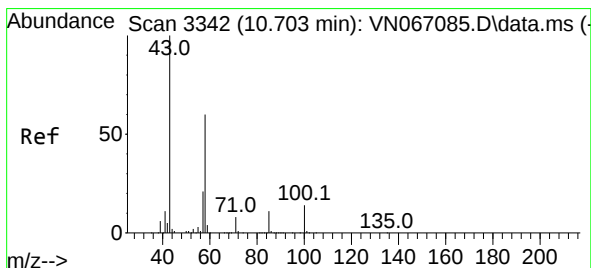
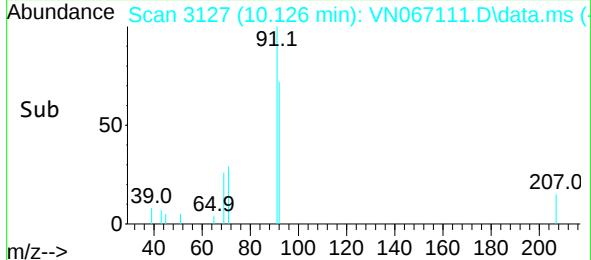
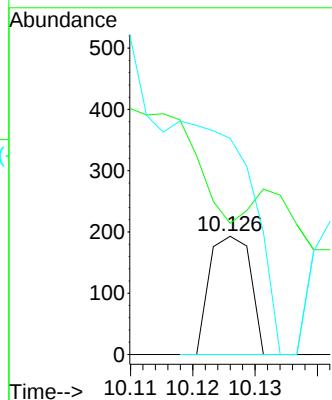
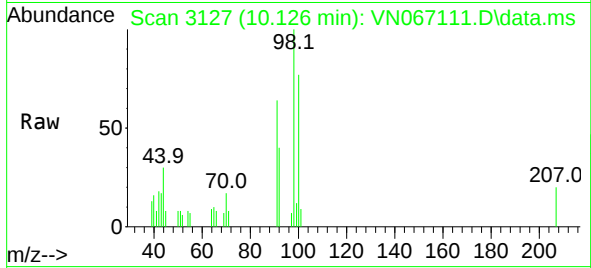




#56
Ethyl methacrylate
Concen: 1.95 ug/l
RT: 10.126 min Scan# 3127
Delta R.T. -0.252 min
Lab File: VN067111.D
Acq: 17 May 2021 18:58

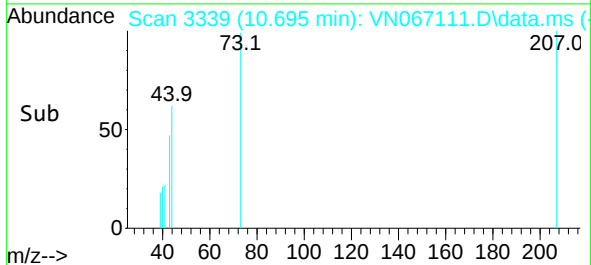
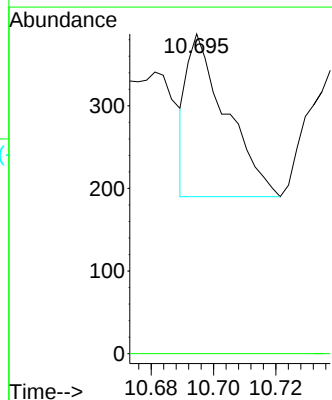
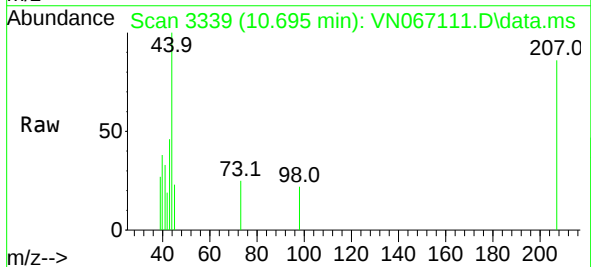
Instrument :
MSVOA_N
ClientSampleId :

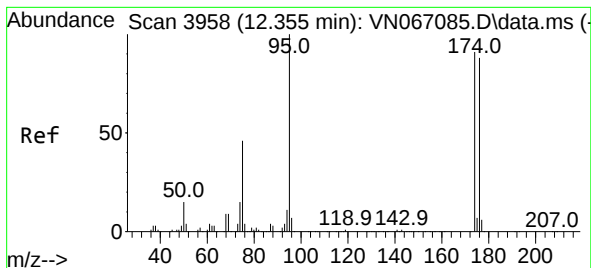
Tgt Ion: 69 Resp: 88
Ion Ratio Lower Upper
69 100
41 53.4 45.5 68.3
39 0.0 22.9 34.3#



#59
2-Hexanone
Concen: 21.95 ug/l
RT: 10.695 min Scan# 3339
Delta R.T. -0.008 min
Lab File: VN067111.D
Acq: 17 May 2021 18:58

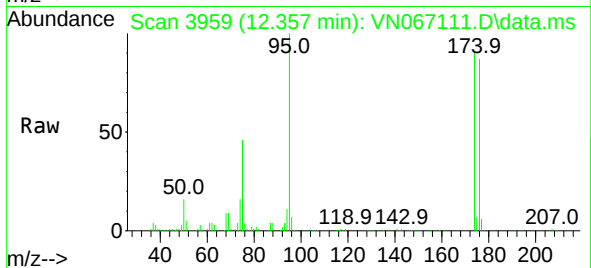
Tgt Ion: 43 Resp: 172
Ion Ratio Lower Upper
43 100
58 0.0 29.8 89.5#



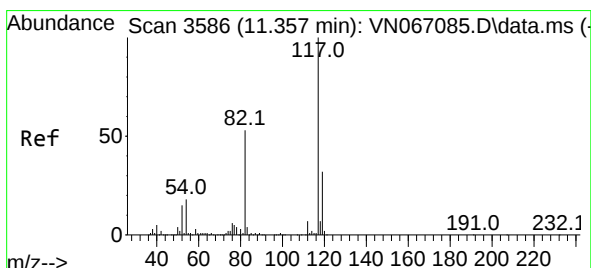
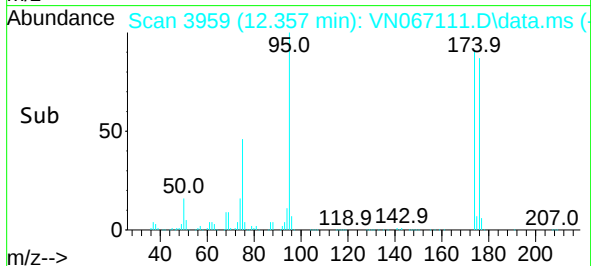
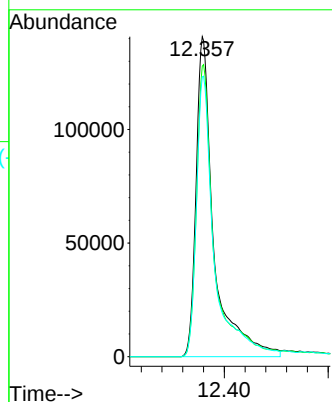


#62
4-Bromofluorobenzene
Concen: 47.88 ug/l
RT: 12.357 min Scan# 3959
Delta R.T. 0.002 min
Lab File: VN067111.D
Acq: 17 May 2021 18:58

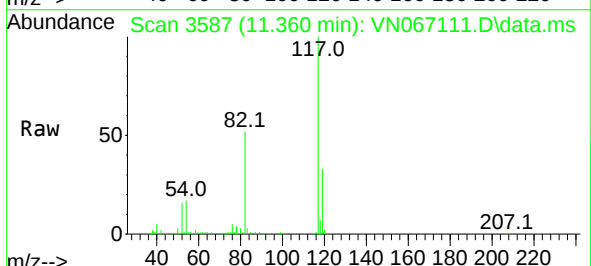
Instrument :
MSVOA_N
ClientSampled :



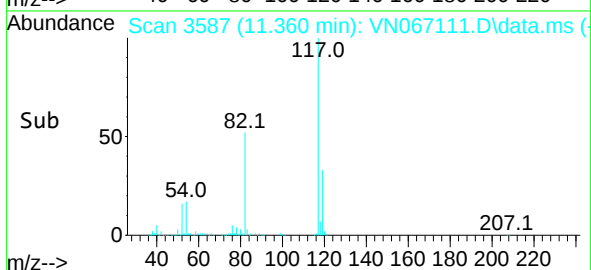
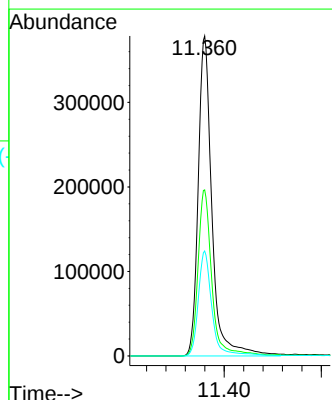
Tgt Ion: 95 Resp: 335523
Ion Ratio Lower Upper
95 100
174 91.8 0.0 182.8
176 88.1 0.0 176.6

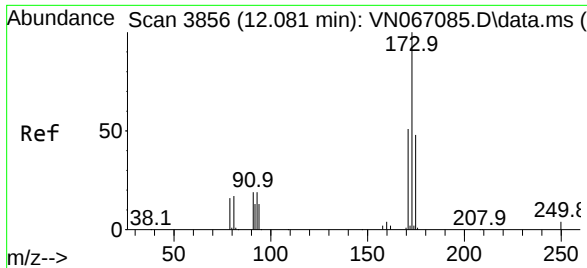


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.360 min Scan# 3587
Delta R.T. 0.003 min
Lab File: VN067111.D
Acq: 17 May 2021 18:58



Tgt Ion: 117 Resp: 742719
Ion Ratio Lower Upper
117 100
82 51.9 42.2 63.2
119 32.8 25.8 38.6

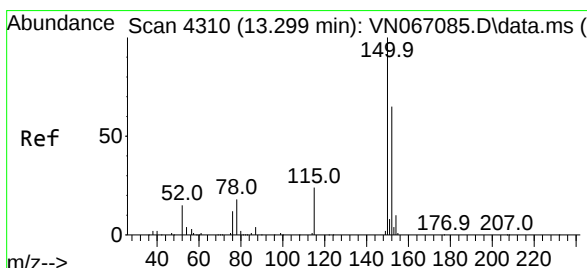
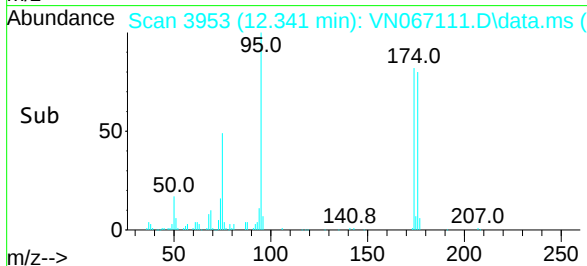
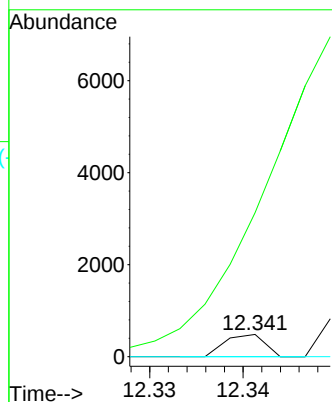
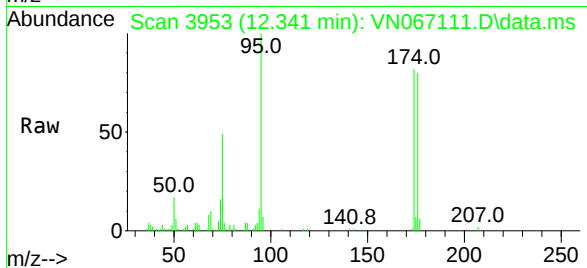




#71
Bromoform
Concen: 1.79 ug/l
RT: 12.341 min Scan# 3953
Delta R.T. 0.260 min
Lab File: VN067111.D
Acq: 17 May 2021 18:58

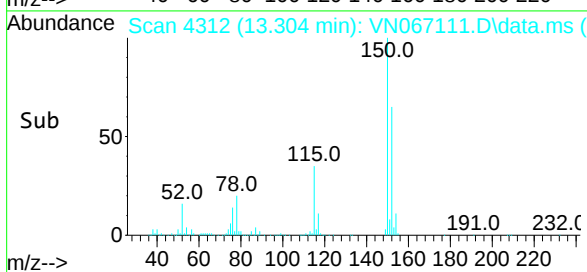
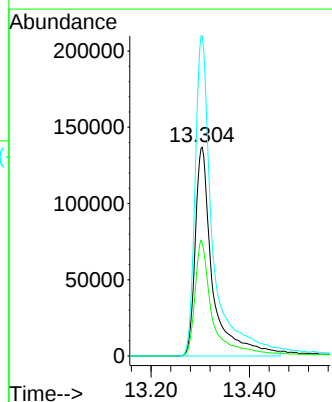
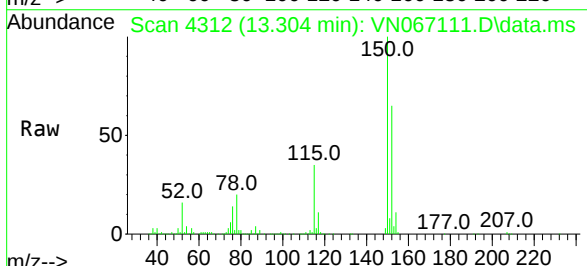
Instrument :
MSVOA_N
ClientSampled :

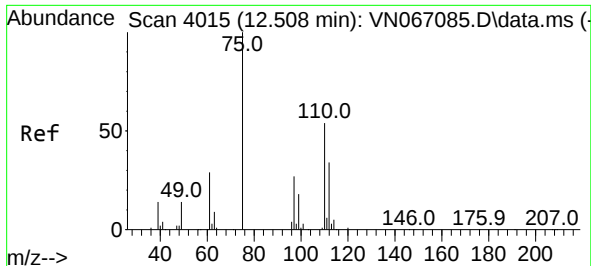
Tgt Ion:173 Resp: 143
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.304 min Scan# 4312
Delta R.T. 0.005 min
Lab File: VN067111.D
Acq: 17 May 2021 18:58

Tgt Ion:152 Resp: 337919
Ion Ratio Lower Upper
152 100
115 54.7 27.0 80.8
150 159.3 0.0 350.2

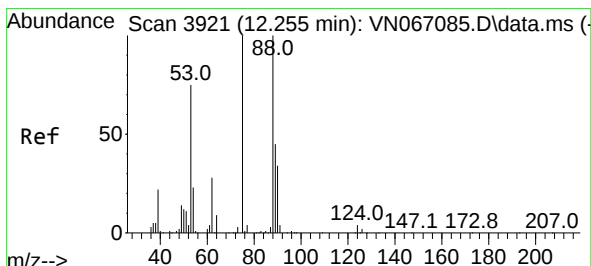
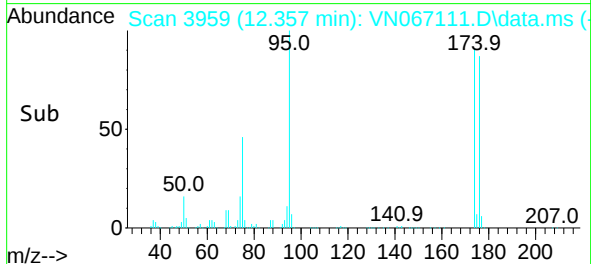
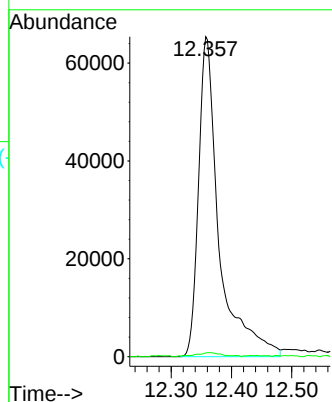
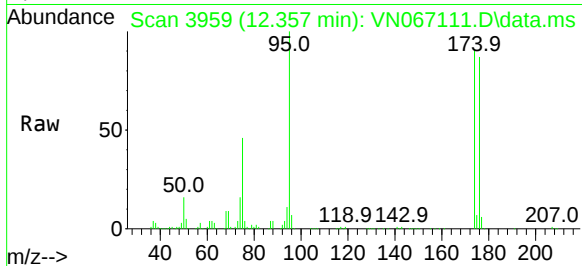




#76
1,2,3-Trichloropropane
Concen: 21.72 ug/l
RT: 12.357 min Scan# 3959
Delta R.T. -0.151 min
Lab File: VN067111.D
Acq: 17 May 2021 18:58

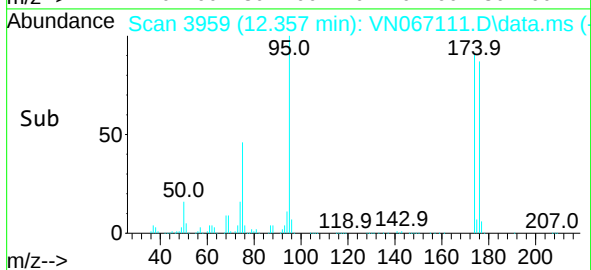
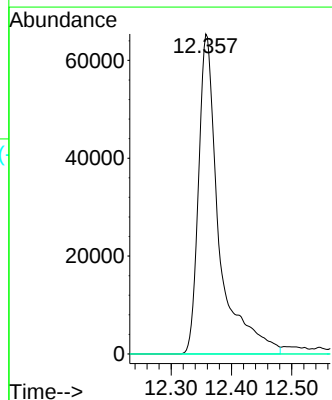
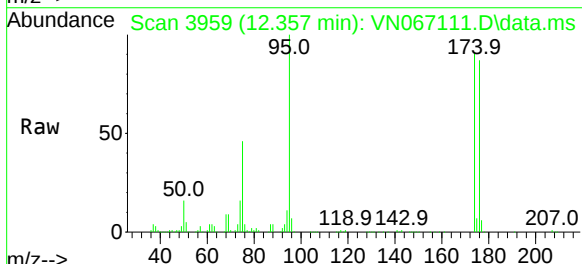
Instrument :
MSVOA_N
ClientSampleId :

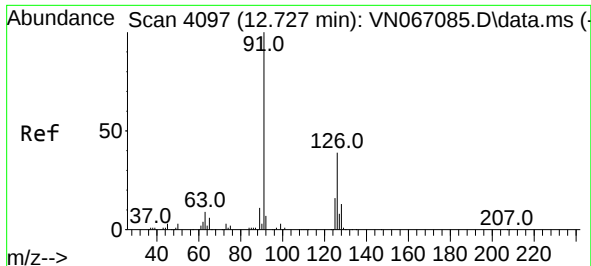
Tgt Ion: 75 Resp: 154894
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.33 ug/l
RT: 12.357 min Scan# 3959
Delta R.T. 0.102 min
Lab File: VN067111.D
Acq: 17 May 2021 18:58

Tgt Ion: 75 Resp: 154894
Ion Ratio Lower Upper
75 100
53 0.0 66.3 99.5#
89 0.0 39.5 59.3#

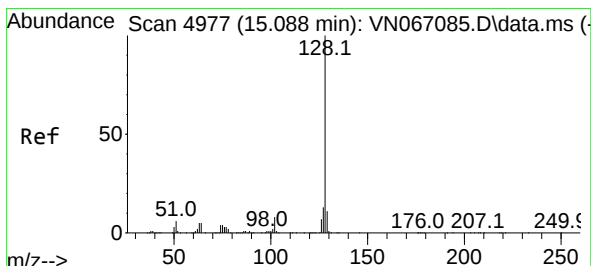
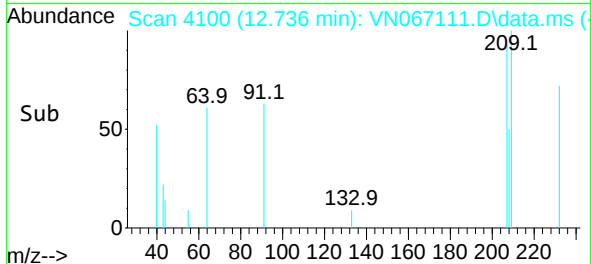
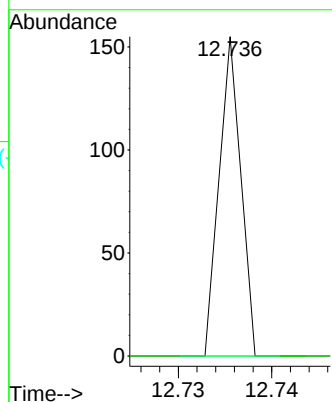
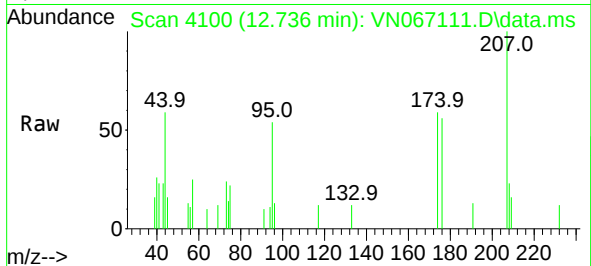




#82
4-Chlorotoluene
Concen: 1.18 ug/l
RT: 12.736 min Scan# 4100
Delta R.T. 0.009 min
Lab File: VN067111.D
Acq: 17 May 2021 18:58

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 91 Resp: 25
Ion Ratio Lower Upper
91 100
126 0.0 17.7 53.1#



#95
Naphthalene
Concen: 3.52 ug/l
RT: 15.125 min Scan# 4991
Delta R.T. 0.037 min
Lab File: VN067111.D
Acq: 17 May 2021 18:58

Tgt Ion: 128 Resp: 4119
Ion Ratio Lower Upper
128 100
127 7.0 10.2 15.2#
129 7.2 8.6 13.0#

