

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072121\
 Data File : VN067853.D
 Acq On : 21 Jul 2021 21:08
 Operator : JC/MD
 Sample : M3134-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 22 02:16:06 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 07 16:18:53 2021
 Response via : Initial Calibration

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

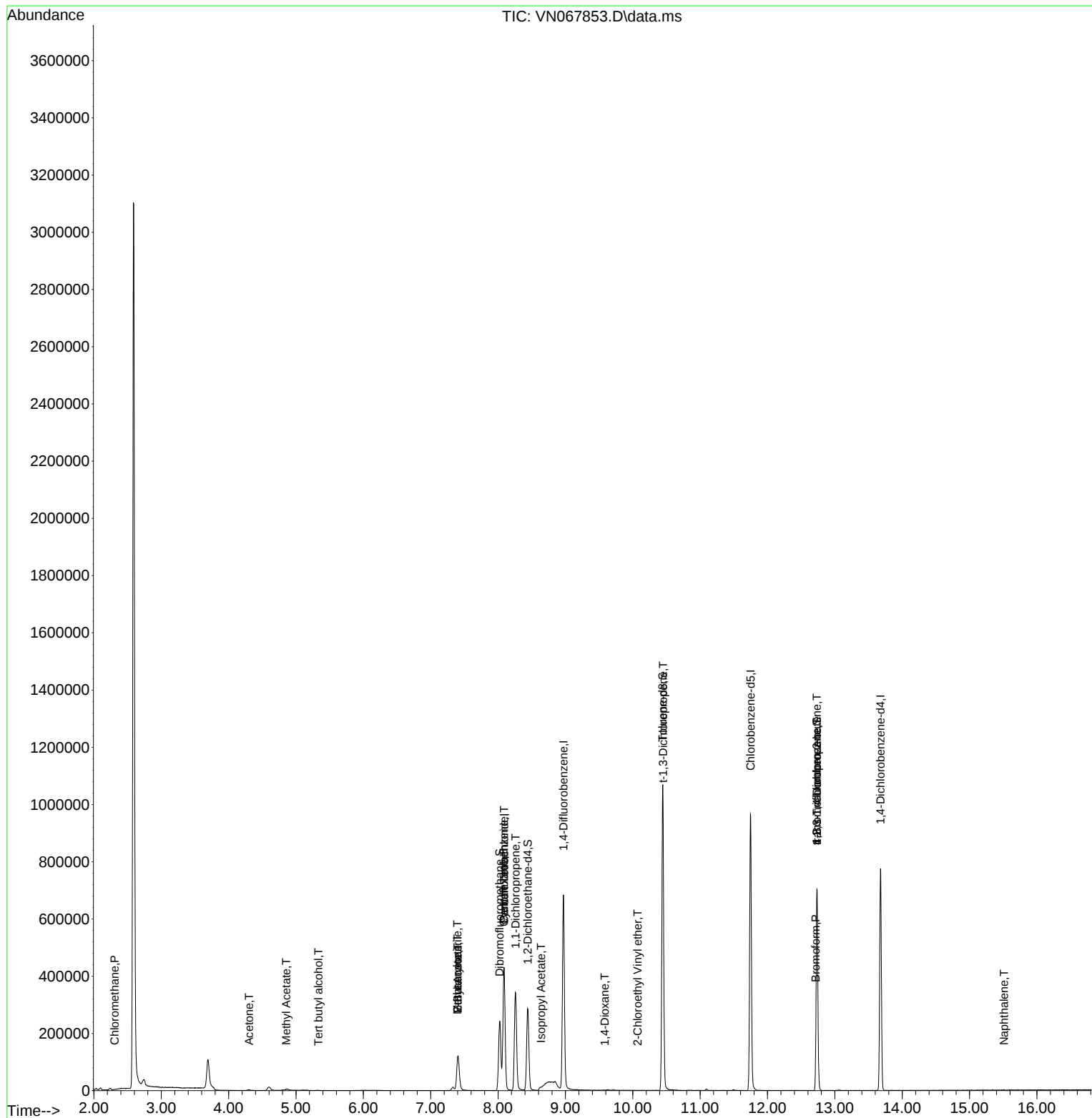
Internal Standards						
1) Pentafluorobenzene	8.088	168	304879	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	590453	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	564355	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	197476	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	246697	53.541	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 107.080%			
35) Dibromofluoromethane	8.024	113	180185	50.509	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 101.020%			
50) Toluene-d8	10.443	98	739844	49.547	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 99.100%			
62) 4-Bromofluorobenzene	12.733	95	245849	46.608	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 93.220%			
Target Compounds			Qvalue			
3) Chloromethane	2.306	50	872	0.212	ug/l	98
5) Bromomethane	2.818	94	77	Below Cal	#	4
6) Chloroethane	3.121	64	24	Below Cal	#	44
11) Tert butyl alcohol	5.334	59	288	0.435	ug/l	# 71
13) Acrolein	3.757	56	24	Below Cal	#	1
16) Acetone	4.304	43	5154	3.555	ug/l	94
18) Methyl Acetate	4.857	43	2914	0.716	ug/l	92
20) Methylene Chloride	5.087	84	220	Below Cal	#	66
25) 2-Butanone	7.399	43	32433	13.472	ug/l	# 51
31) Cyclohexane	8.086	56	8162	1.263	ug/l	# 1
36) 1,1-Dichloropropene	8.260	75	1577	0.288	ug/l	# 44
37) Ethyl Acetate	7.399	43	32433	6.103	ug/l	# 69
38) Carbon Tetrachloride	8.091	117	35163	6.500	ug/l	# 17
41) Methacrylonitrile	7.396	41	1579	0.578	ug/l	# 22
43) Isopropyl Acetate	8.641	43	10273	1.099	ug/l	# 58
49) 1,4-Dioxane	9.585	88	237	34.922	ug/l	# 40
53) t-1,3-Dichloropropene	10.451	75	56	1.752	ug/l	# 1
58) 2-Chloroethyl Vinyl ether	10.073	63	24	17.027	ug/l	# 50
71) Bromoform	12.717	173	174	3.221	ug/l	# 1
76) 1,2,3-Trichloropropane	12.733	75	137884	34.191	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.733	75	137884	110.234	ug/l	# 6
95) Naphthalene	15.509	128	59	3.018	ug/l	# 69

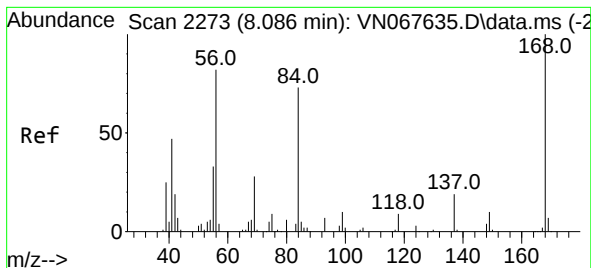
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.002 min

Lab File: VN067853.D

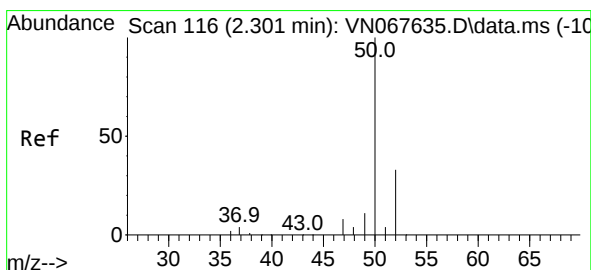
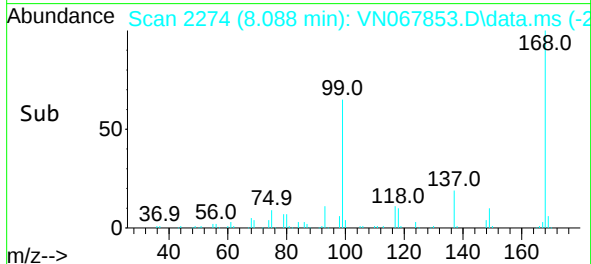
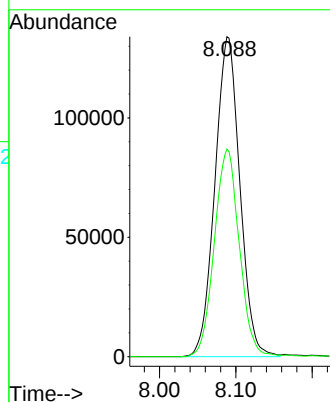
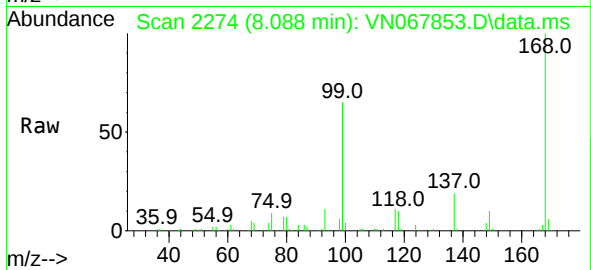
Acq: 21 Jul 2021 21:08

Tgt Ion:168 Resp: 304879

Ion Ratio Lower Upper

168 100

99 64.8 62.9 94.3



#3

Chloromethane

Concen: 0.212 ug/l

RT: 2.306 min Scan# 118

Delta R.T. 0.005 min

Lab File: VN067853.D

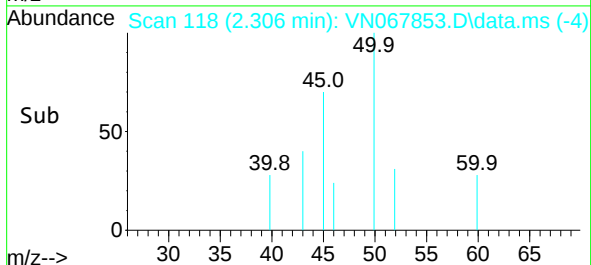
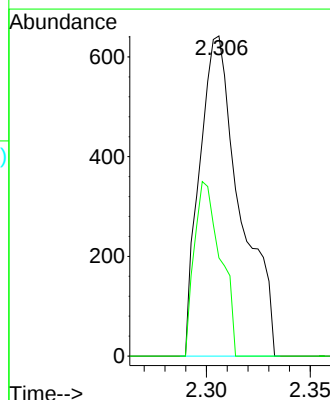
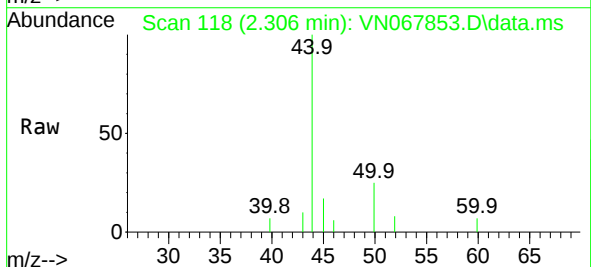
Acq: 21 Jul 2021 21:08

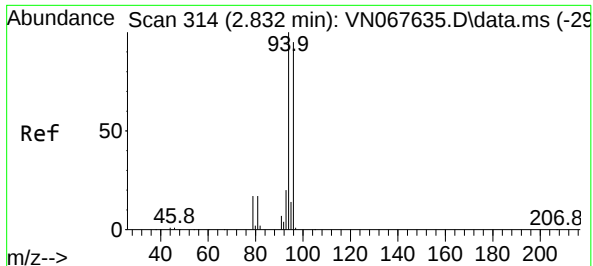
Tgt Ion: 50 Resp: 872

Ion Ratio Lower Upper

50 100

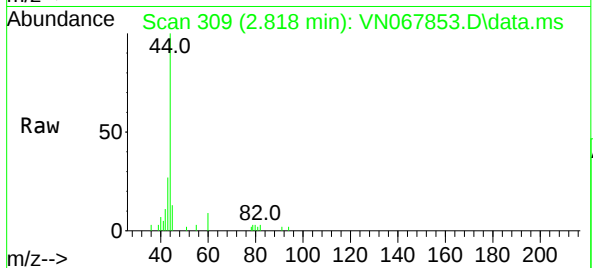
52 30.7 25.6 38.4



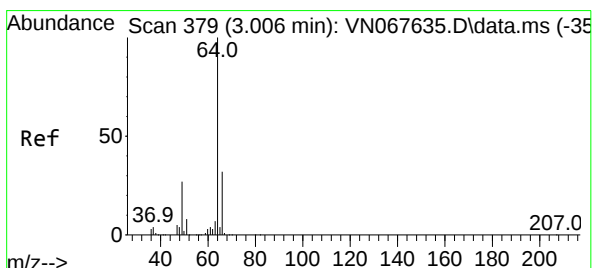
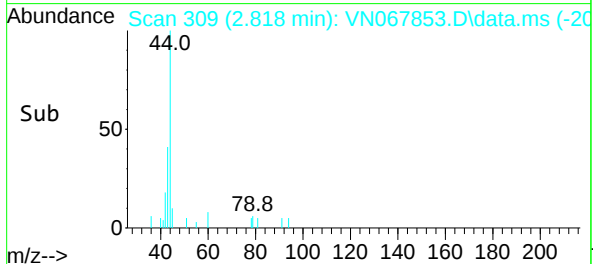
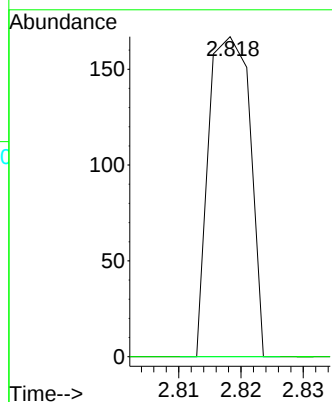


#5
Bromomethane
Concen: Below Cal
RT: 2.818 min Scan# 309
Delta R.T. -0.014 min
Lab File: VN067853.D
Acq: 21 Jul 2021 21:08

Instrument :
MSVOA_N
ClientSampled :

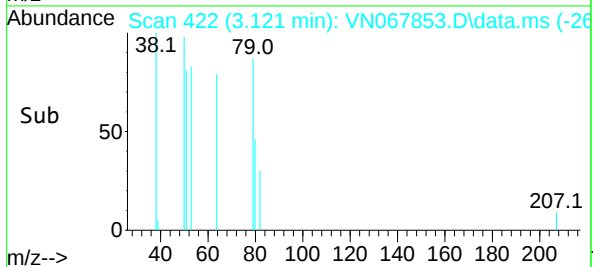
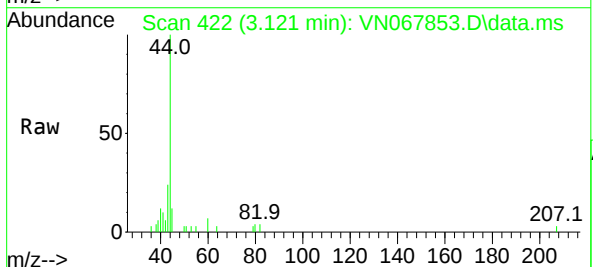
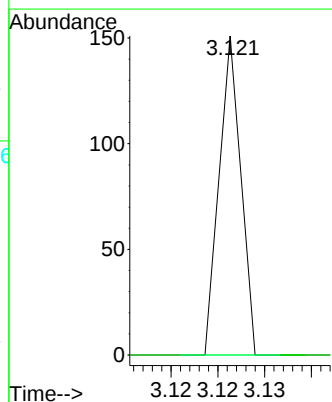


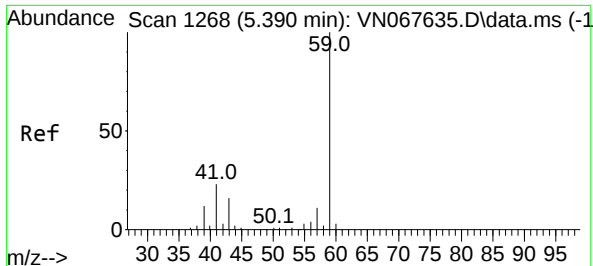
Tgt Ion: 94 Resp: 77
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#



#6
Chloroethane
Concen: Below Cal
RT: 3.121 min Scan# 422
Delta R.T. 0.115 min
Lab File: VN067853.D
Acq: 21 Jul 2021 21:08

Tgt Ion: 64 Resp: 24
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#

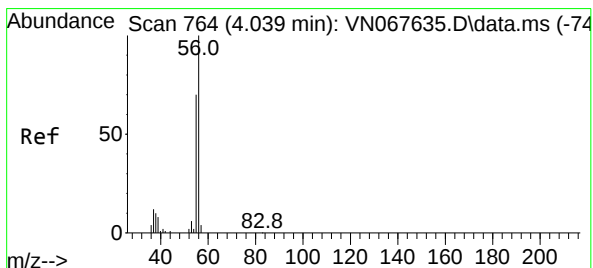
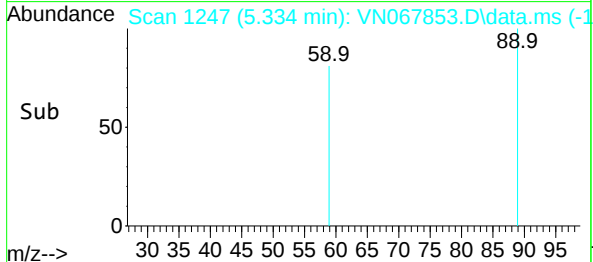
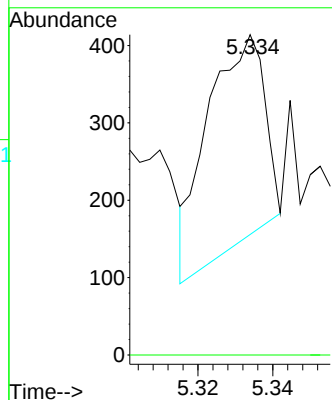
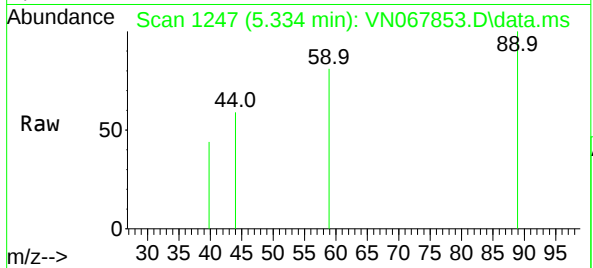




#11
Tert butyl alcohol
Concen: 0.435 ug/l
RT: 5.334 min Scan# 1247
Delta R.T. -0.056 min
Lab File: VN067853.D
Acq: 21 Jul 2021 21:08

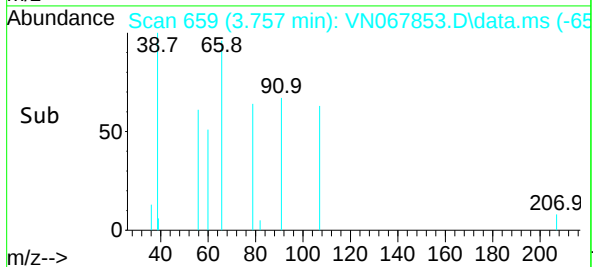
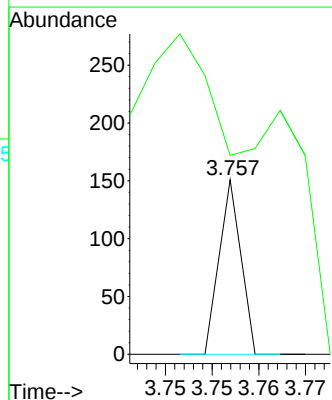
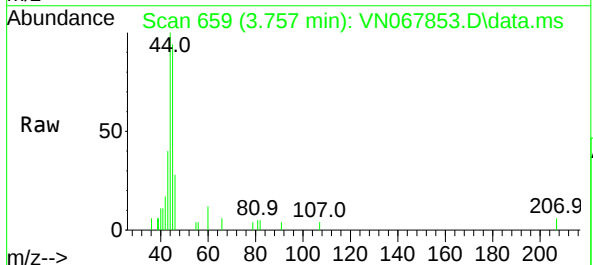
Instrument :
MSVOA_N
ClientSampled :

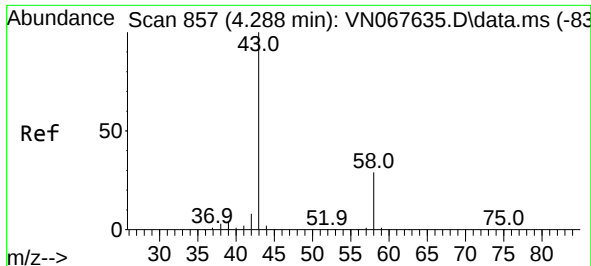
Tgt Ion: 59 Resp: 288
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#13
Acrolein
Concen: Below Cal
RT: 3.757 min Scan# 659
Delta R.T. -0.282 min
Lab File: VN067853.D
Acq: 21 Jul 2021 21:08

Tgt Ion: 56 Resp: 24
Ion Ratio Lower Upper
56 100
55 1008.3 57.4 86.0#

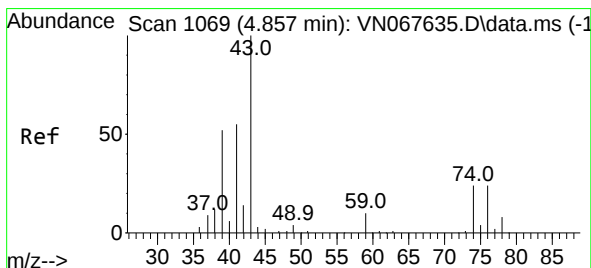
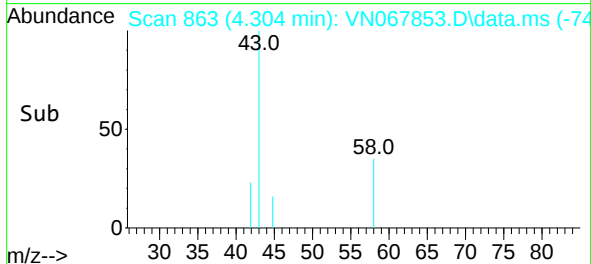
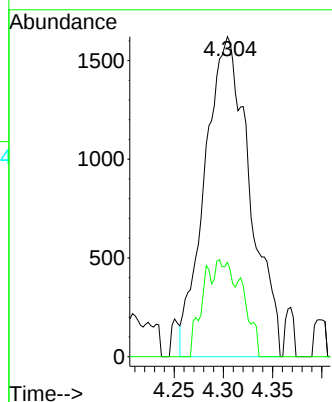
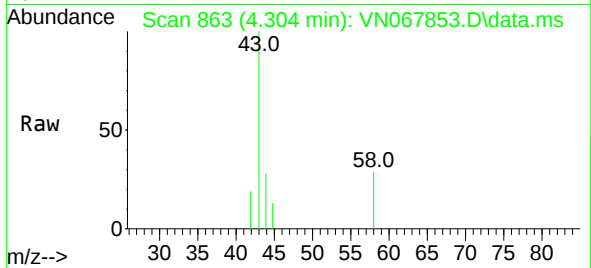




#16
Acetone
Concen: 3.555 ug/l
RT: 4.304 min Scan# 863
Delta R.T. 0.016 min
Lab File: VN067853.D
Acq: 21 Jul 2021 21:08

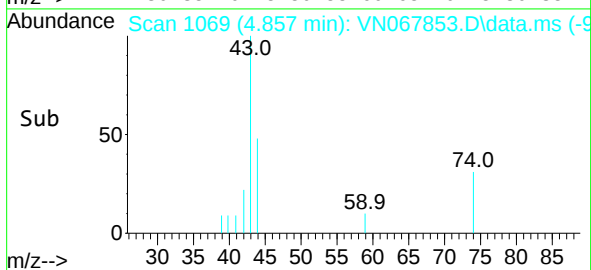
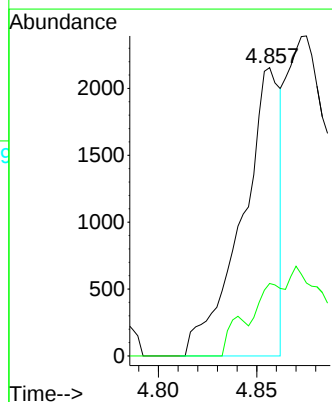
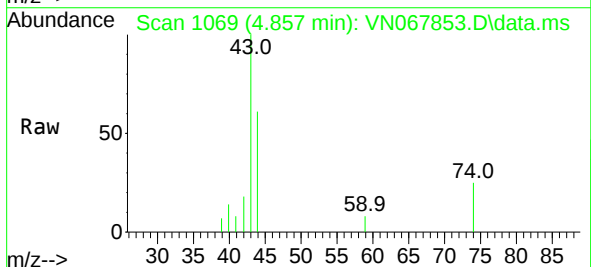
Instrument :
MSVOA_N
ClientSampled :

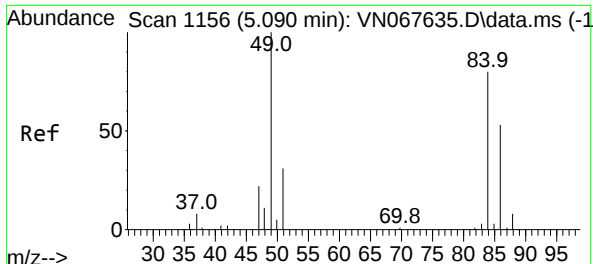
Tgt Ion: 43 Resp: 5154
Ion Ratio Lower Upper
43 100
58 29.4 21.2 31.8



#18
Methyl Acetate
Concen: 0.716 ug/l
RT: 4.857 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VN067853.D
Acq: 21 Jul 2021 21:08

Tgt Ion: 43 Resp: 2914
Ion Ratio Lower Upper
43 100
74 17.9 17.4 26.0





#20

Methylene Chloride

Concen: Below Cal

RT: 5.087 min Scan# 1155

Delta R.T. -0.003 min

Lab File: VN067853.D

Acq: 21 Jul 2021 21:08

Tgt Ion: 84 Resp: 220

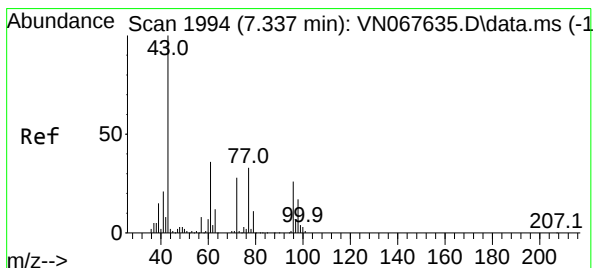
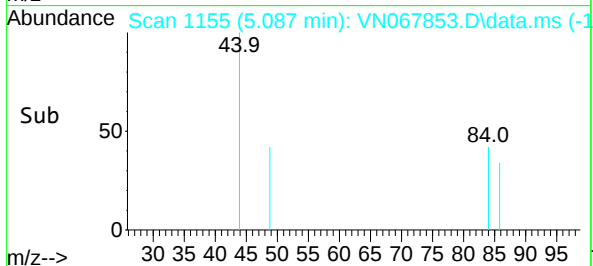
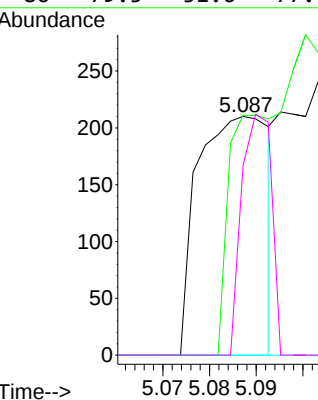
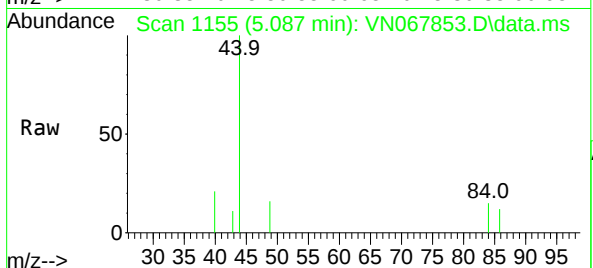
Ion Ratio Lower Upper

84 100

49 100.5 110.9 166.3#

51 0.0 32.6 49.0#

86 79.5 51.6 77.4#



#25

2-Butanone

Concen: 13.472 ug/l

RT: 7.399 min Scan# 2017

Delta R.T. 0.062 min

Lab File: VN067853.D

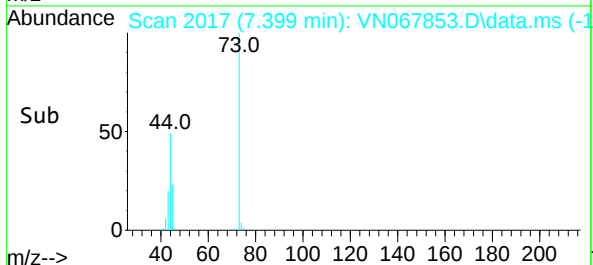
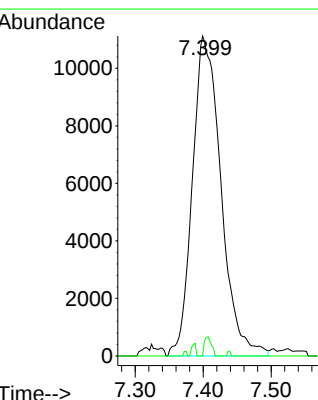
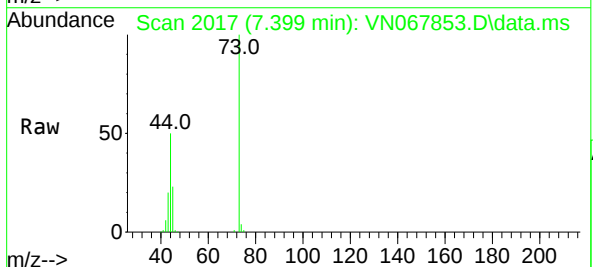
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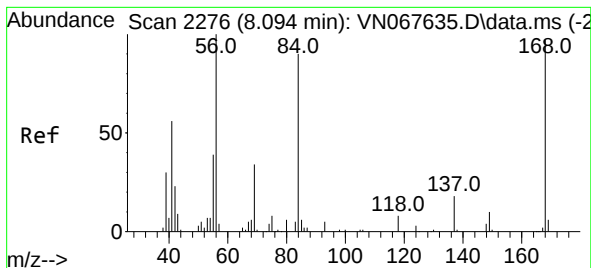
Tgt Ion: 43 Resp: 32433

Ion Ratio Lower Upper

43 100

72 0.0 19.7 29.5#

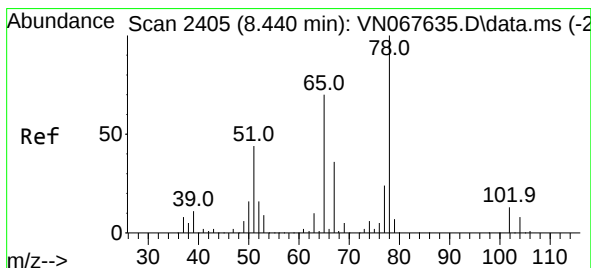
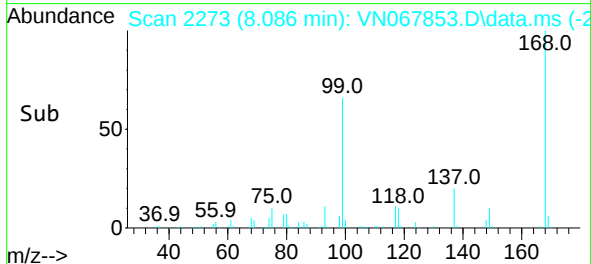
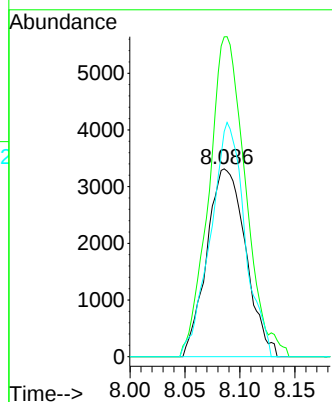
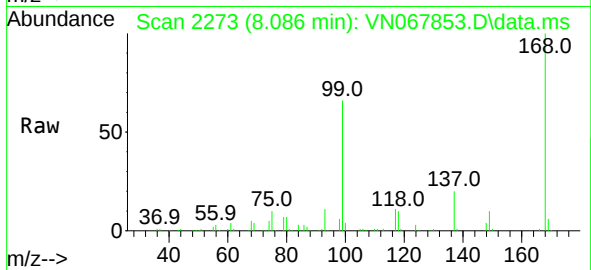




#31
Cyclohexane
Concen: 1.263 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN067853.D
Acq: 21 Jul 2021 21:08

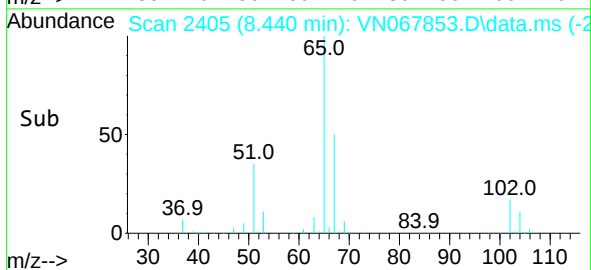
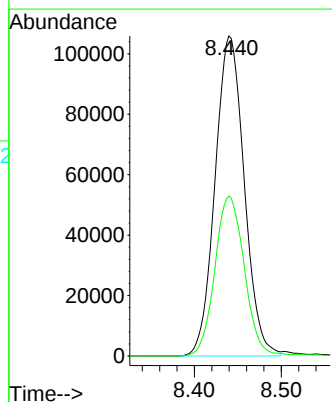
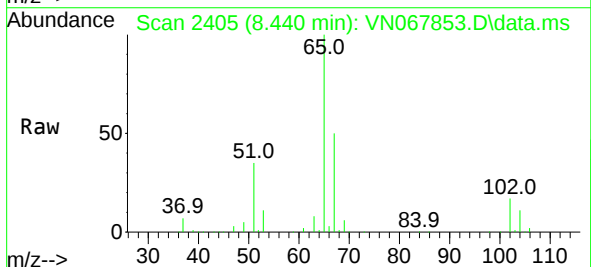
Instrument :
MSVOA_N
ClientSampleId :

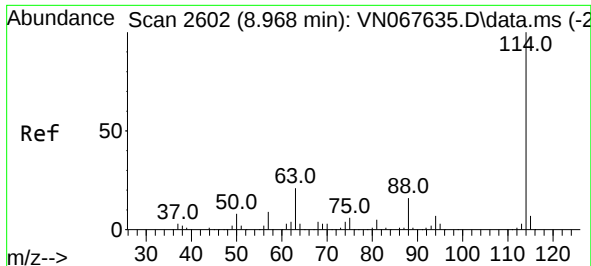
Tgt Ion: 56 Resp: 8162
Ion Ratio Lower Upper
56 100
69 170.3 27.3 40.9#
84 124.4 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 53.541 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067853.D
Acq: 21 Jul 2021 21:08

Tgt Ion: 65 Resp: 246697
Ion Ratio Lower Upper
65 100
67 50.4 0.0 98.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.971 min Scan# 2603

Delta R.T. 0.003 min

Lab File: VN067853.D

Acq: 21 Jul 2021 21:08

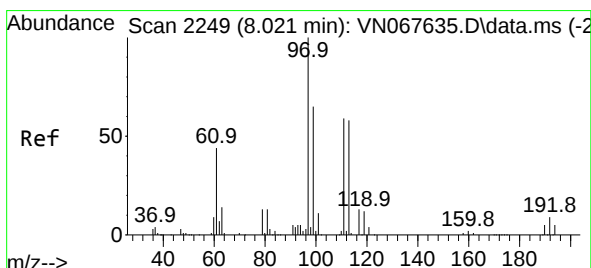
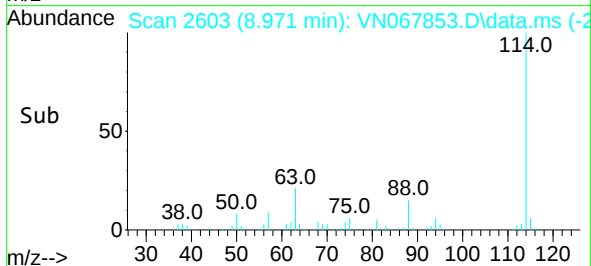
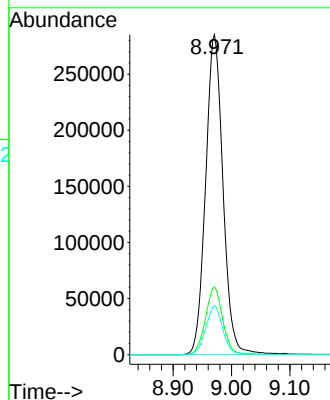
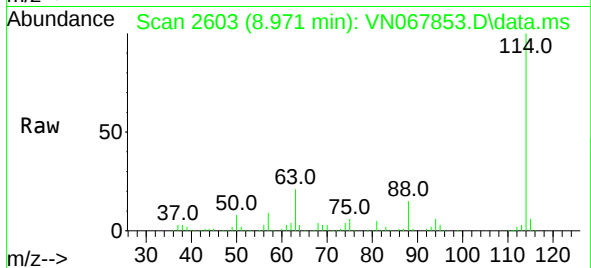
Tgt Ion:114 Resp: 590453

Ion Ratio Lower Upper

114 100

63 21.1 0.0 49.0

88 15.3 0.0 36.6



#35

Dibromofluoromethane

Concen: 50.509 ug/l

RT: 8.024 min Scan# 2250

Delta R.T. 0.003 min

Lab File: VN067853.D

Acq: 21 Jul 2021 21:08

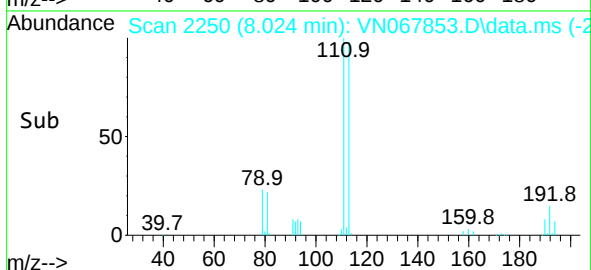
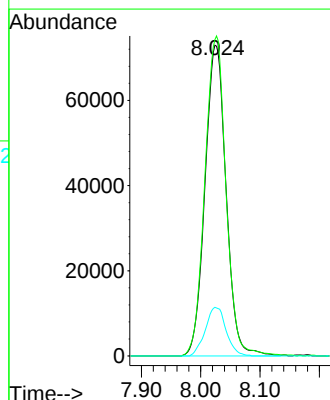
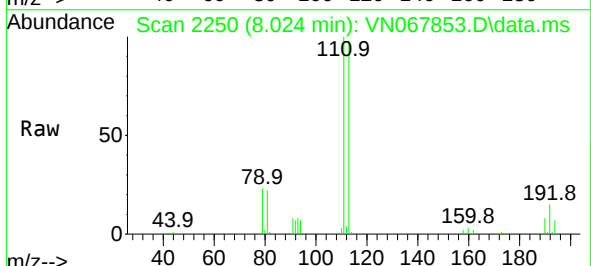
Tgt Ion:113 Resp: 180185

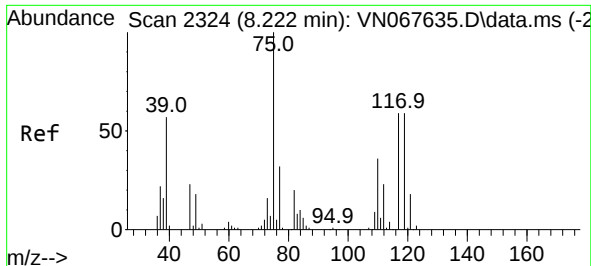
Ion Ratio Lower Upper

113 100

111 103.1 83.8 125.8

192 15.4 13.4 20.0

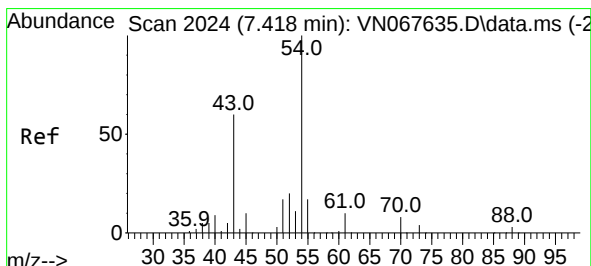
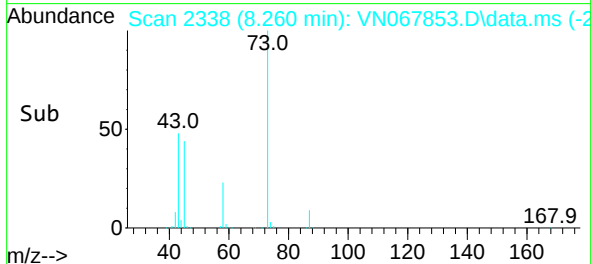
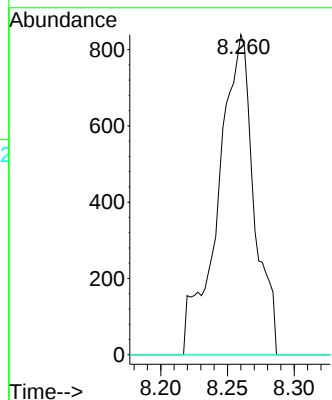
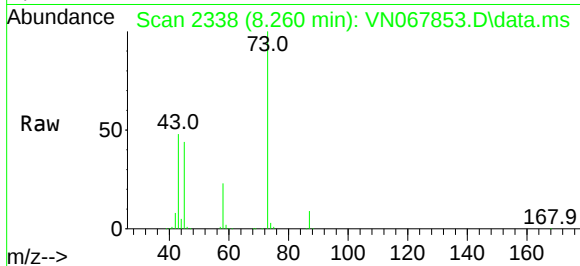




#36
1,1-Dichloropropene
Concen: 0.288 ug/l
RT: 8.260 min Scan# 2338
Delta R.T. 0.038 min
Lab File: VN067853.D
Acq: 21 Jul 2021 21:08

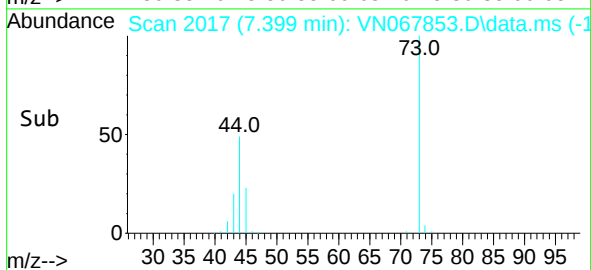
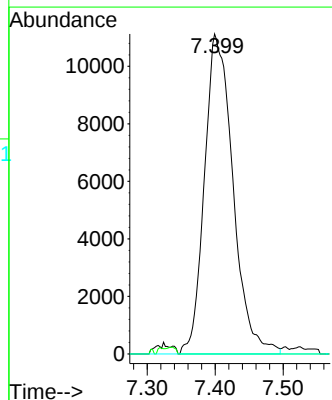
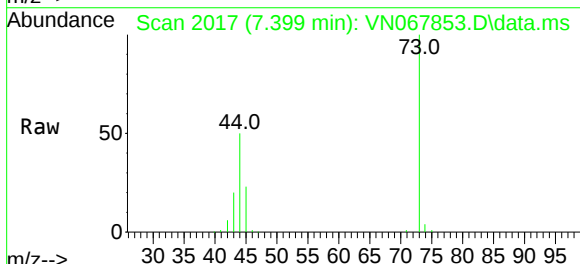
Instrument :
MSVOA_N
ClientSampled :

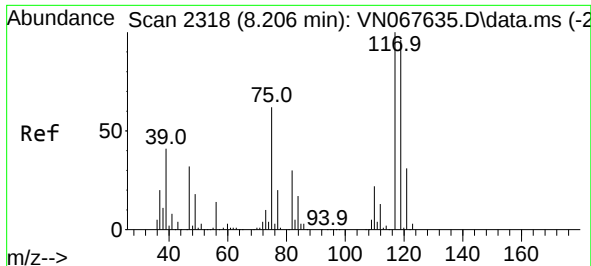
Tgt Ion: 75 Resp: 1577
Ion Ratio Lower Upper
75 100
110 0.0 15.7 47.0#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 6.103 ug/l
RT: 7.399 min Scan# 2017
Delta R.T. -0.019 min
Lab File: VN067853.D
Acq: 21 Jul 2021 21:08

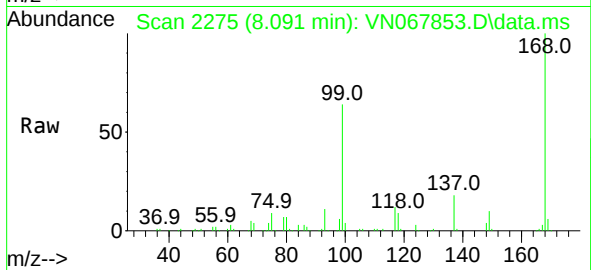
Tgt Ion: 43 Resp: 32433
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.1 12.1#



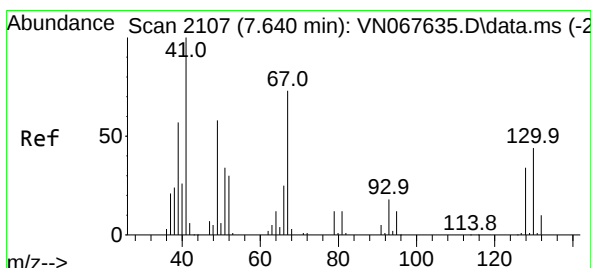
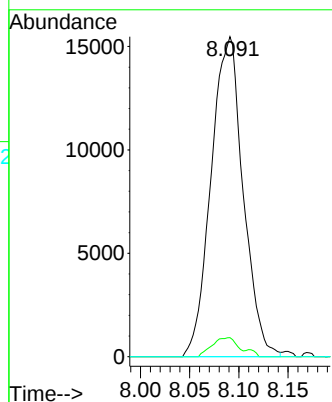
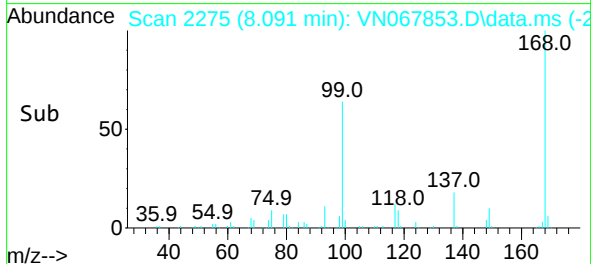


#38
Carbon Tetrachloride
Concen: 6.500 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.115 min
Lab File: VN067853.D
Acq: 21 Jul 2021 21:08

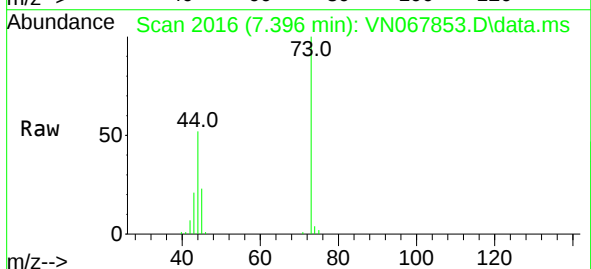
Instrument :
MSVOA_N
ClientSampleId :



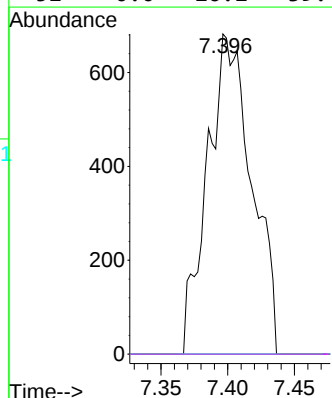
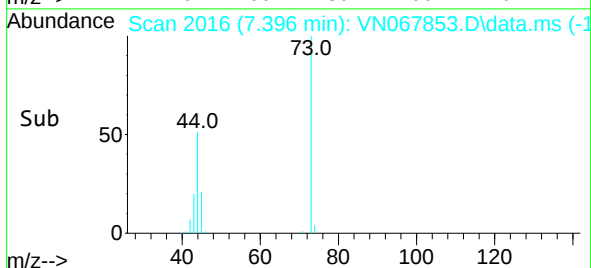
Tgt Ion:117 Resp: 35163
Ion Ratio Lower Upper
117 100
119 6.0 75.4 113.2#
121 0.0 23.5 35.3#

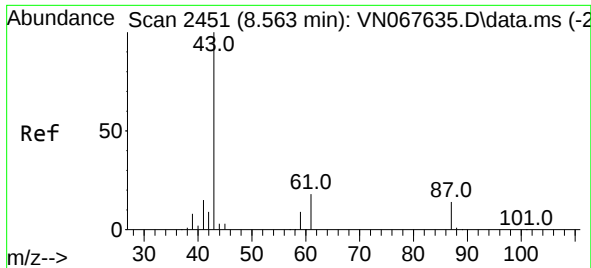


#41
Methacrylonitrile
Concen: 0.578 ug/l
RT: 7.396 min Scan# 2016
Delta R.T. -0.244 min
Lab File: VN067853.D
Acq: 21 Jul 2021 21:08



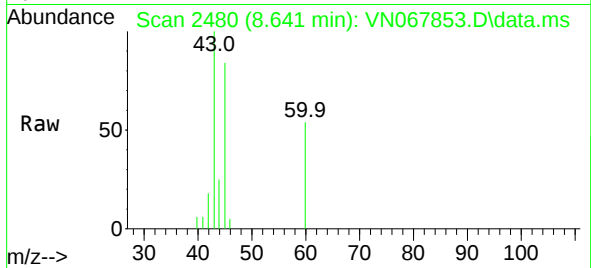
Tgt Ion: 41 Resp: 1579
Ion Ratio Lower Upper
41 100
39 0.0 47.6 71.4#
67 0.0 57.7 86.5#
52 0.0 26.2 39.4#



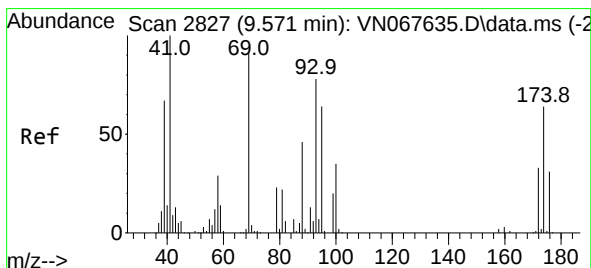
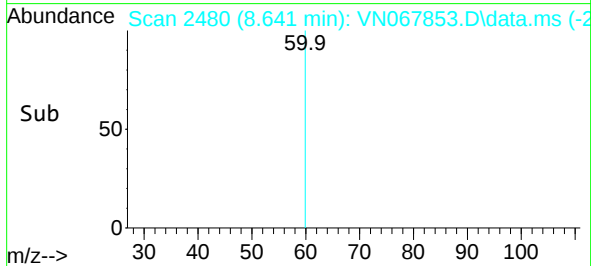
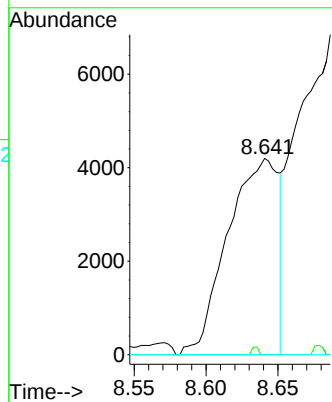


#43
Isopropyl Acetate
Concen: 1.099 ug/l
RT: 8.641 min Scan# 2480
Delta R.T. 0.078 min
Lab File: VN067853.D
Acq: 21 Jul 2021 21:08

Instrument :
MSVOA_N
ClientSampleId :

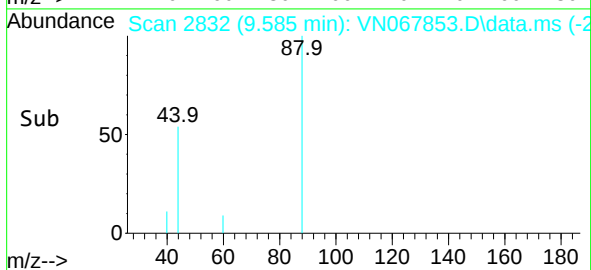
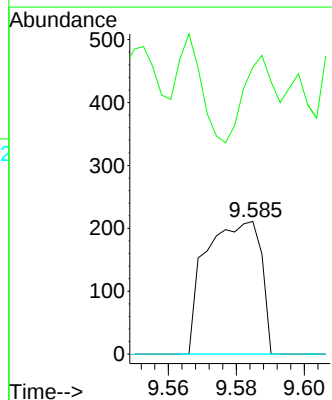
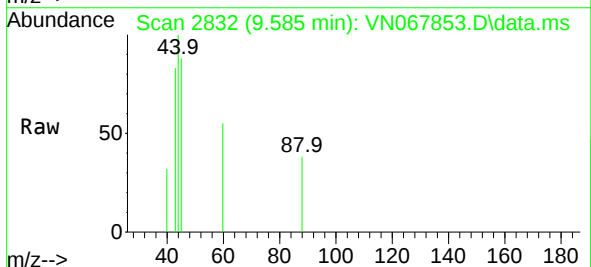


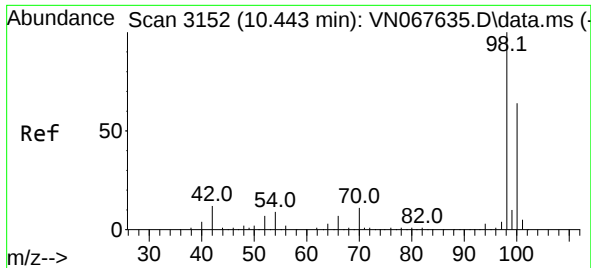
Tgt Ion: 43 Resp: 10273
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#



#49
1,4-Dioxane
Concen: 34.922 ug/l
RT: 9.585 min Scan# 2832
Delta R.T. 0.014 min
Lab File: VN067853.D
Acq: 21 Jul 2021 21:08

Tgt Ion: 88 Resp: 237
Ion Ratio Lower Upper
88 100
43 36.3 28.8 43.2
58 0.0 60.4 90.6#

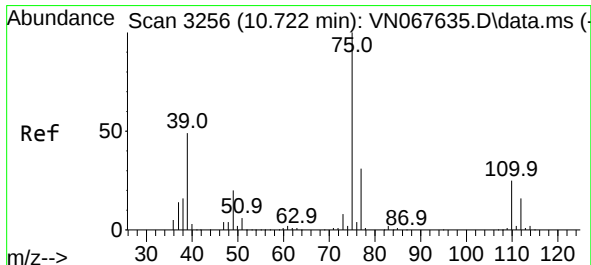
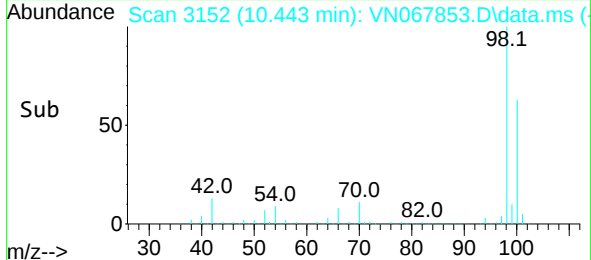
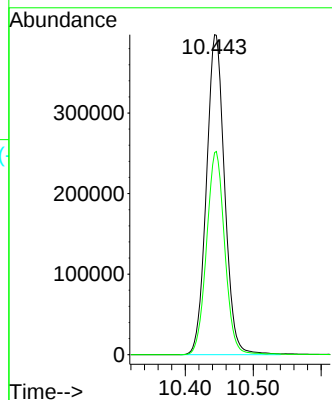
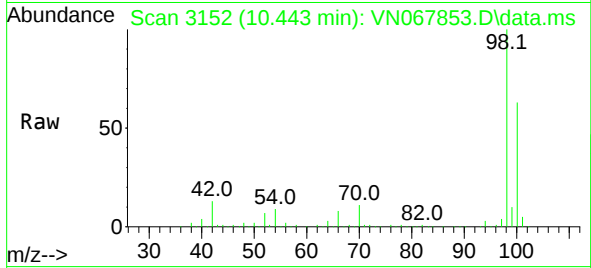




#50
Toluene-d8
Concen: 49.547 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067853.D
Acq: 21 Jul 2021 21:08

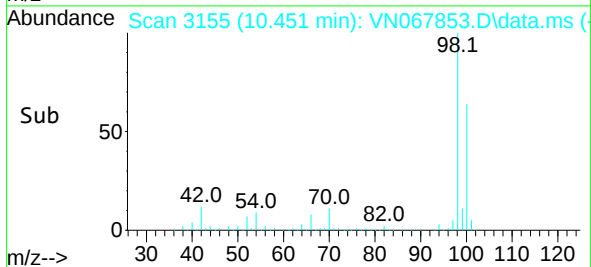
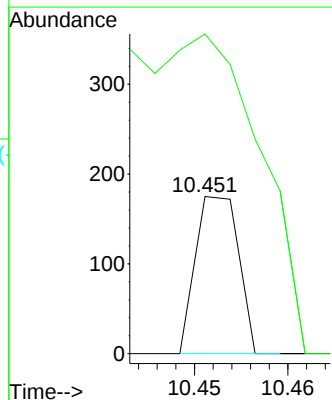
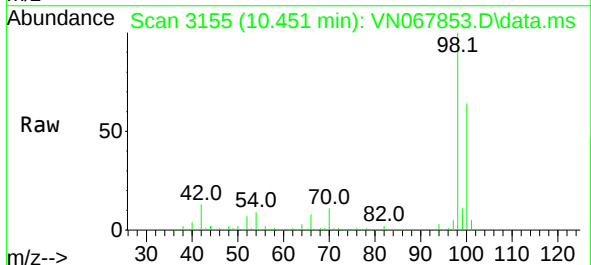
Instrument :
MSVOA_N
ClientSampled :

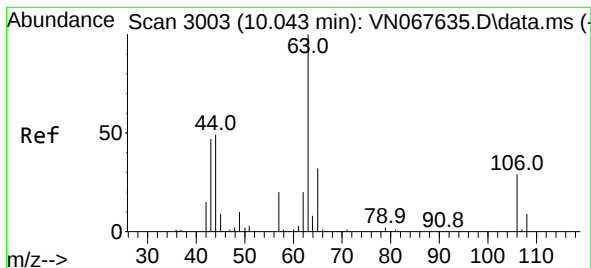
Tgt Ion: 98 Resp: 739844
Ion Ratio Lower Upper
98 100
100 63.2 51.7 77.5



#53
t-1,3-Dichloropropene
Concen: 1.752 ug/l
RT: 10.451 min Scan# 3155
Delta R.T. -0.271 min
Lab File: VN067853.D
Acq: 21 Jul 2021 21:08

Tgt Ion: 75 Resp: 56
Ion Ratio Lower Upper
75 100
77 100.0 25.1 37.7#

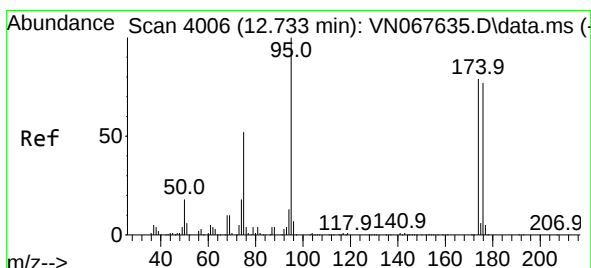
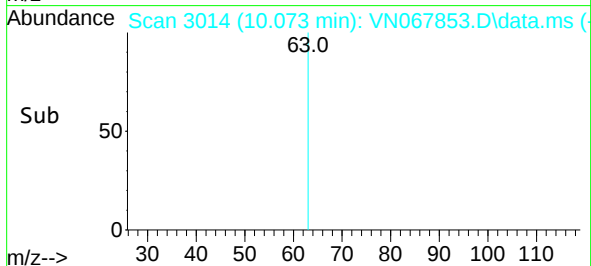
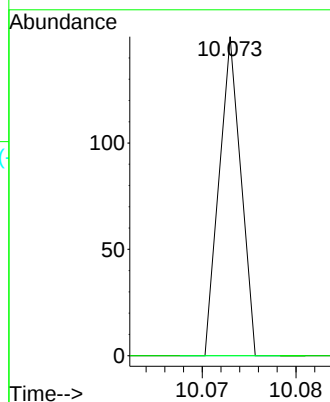
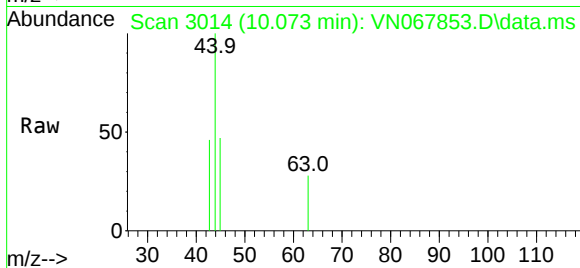




#58
2-Chloroethyl Vinyl ether
Concen: 17.027 ug/l
RT: 10.073 min Scan# 3014
Delta R.T. 0.030 min
Lab File: VN067853.D
Acq: 21 Jul 2021 21:08

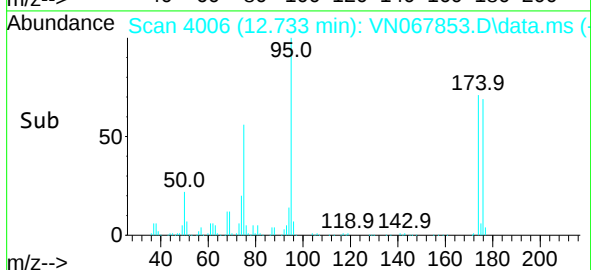
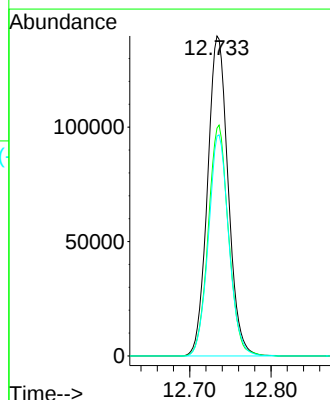
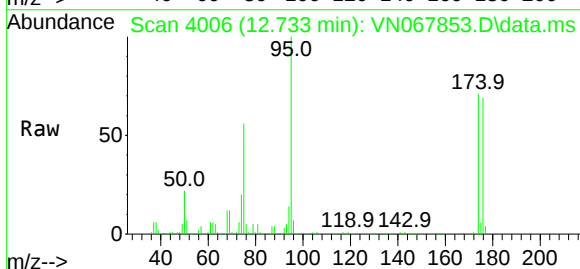
Instrument :
MSVOA_N
ClientSampled :

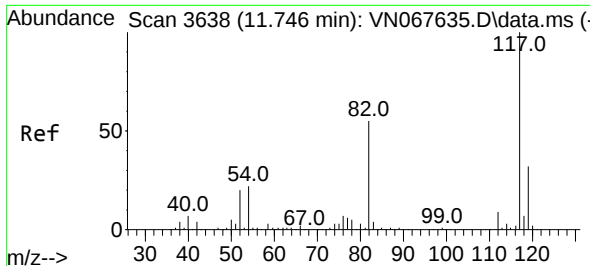
Tgt Ion: 63 Resp: 24
Ion Ratio Lower Upper
63 100
106 0.0 19.8 29.8#



#62
4-Bromofluorobenzene
Concen: 46.608 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067853.D
Acq: 21 Jul 2021 21:08

Tgt Ion: 95 Resp: 245849
Ion Ratio Lower Upper
95 100
174 71.2 0.0 122.0
176 68.4 0.0 117.6

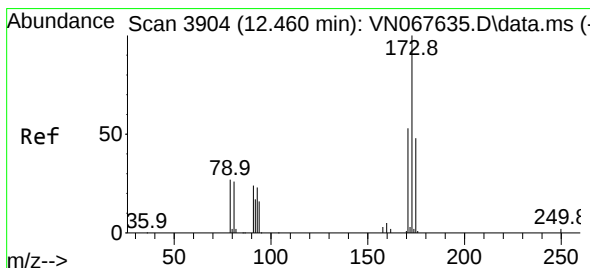
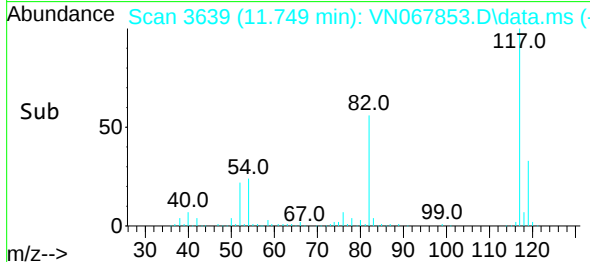
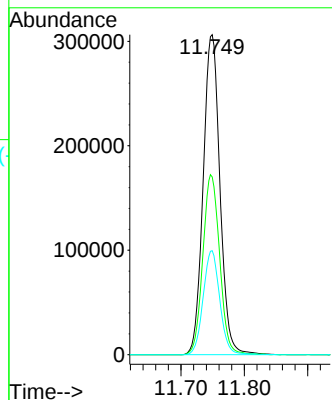
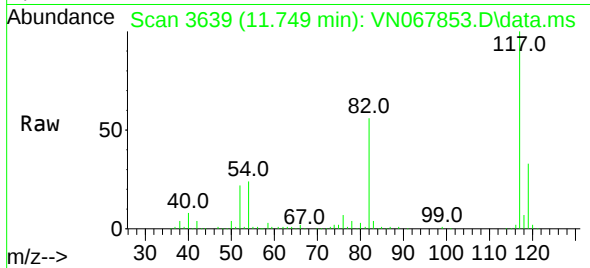




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067853.D
Acq: 21 Jul 2021 21:08

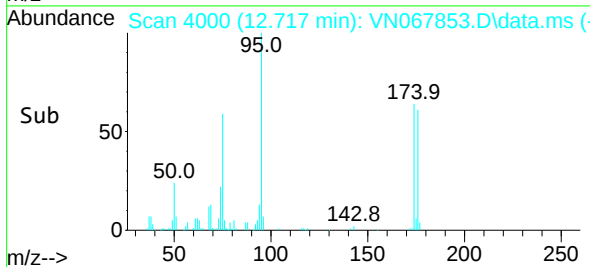
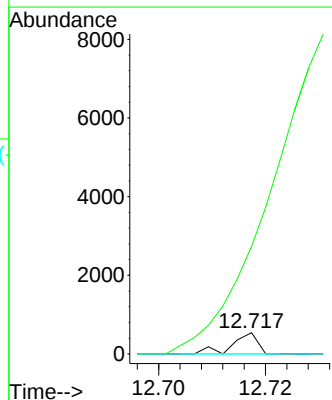
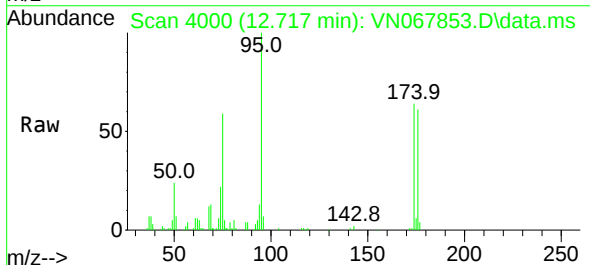
Instrument :
MSVOA_N
ClientSampleId :

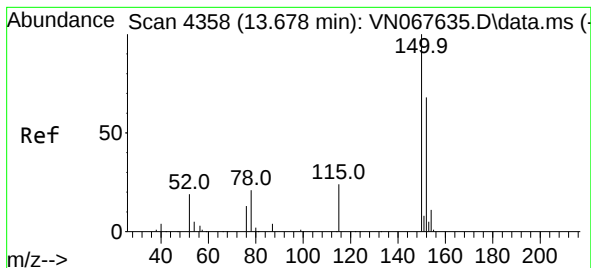
Tgt Ion:117 Resp: 564355
Ion Ratio Lower Upper
117 100
82 55.5 53.1 79.7
119 32.5 25.5 38.3



#71
Bromoform
Concen: 3.221 ug/l
RT: 12.717 min Scan# 4000
Delta R.T. 0.257 min
Lab File: VN067853.D
Acq: 21 Jul 2021 21:08

Tgt Ion:173 Resp: 174
Ion Ratio Lower Upper
173 100
175 7940.2 23.9 71.8#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.678 min Scan# 4358

Delta R.T. 0.000 min

Lab File: VN067853.D

Acq: 21 Jul 2021 21:08

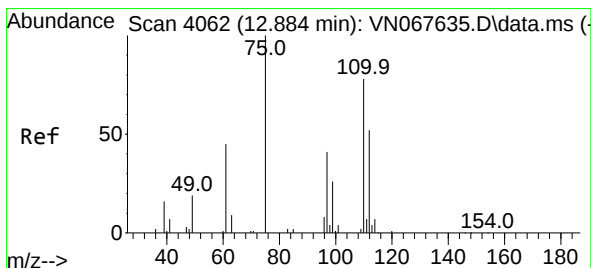
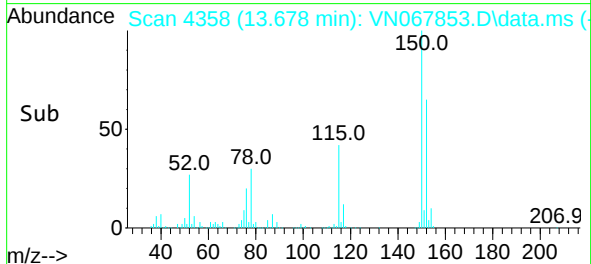
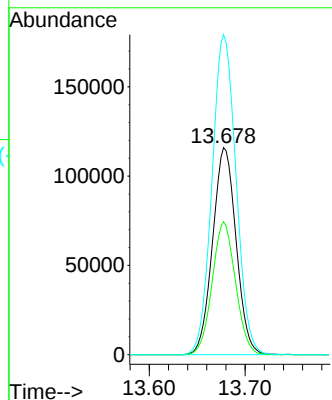
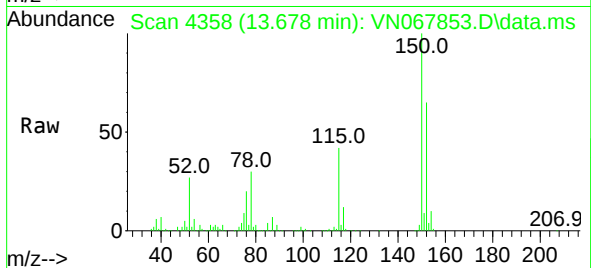
Tgt Ion:152 Resp: 197476

Ion Ratio Lower Upper

152 100

115 63.6 36.1 108.5

150 157.8 0.0 351.8



#76

1,2,3-Trichloropropane

Concen: 34.191 ug/l

RT: 12.733 min Scan# 4006

Delta R.T. -0.151 min

Lab File: VN067853.D

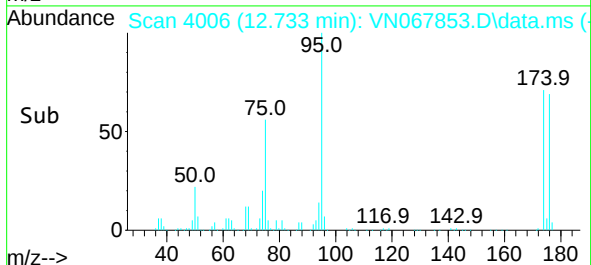
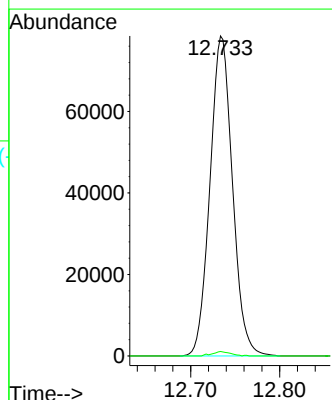
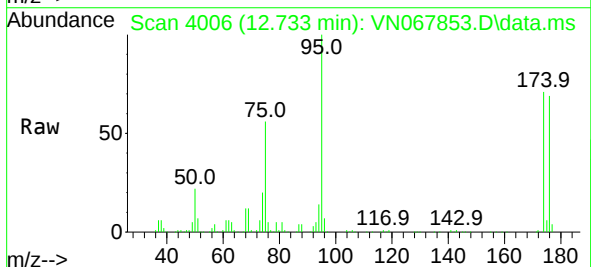
Acq: 21 Jul 2021 21:08

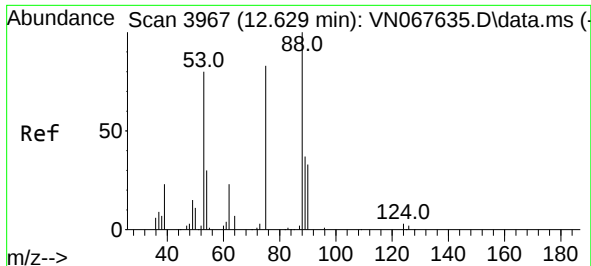
Tgt Ion: 75 Resp: 137884

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#

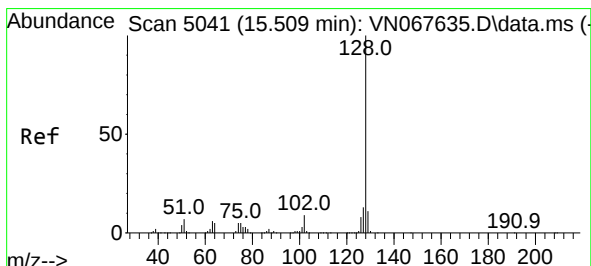
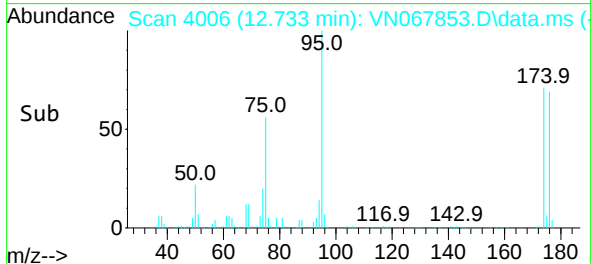
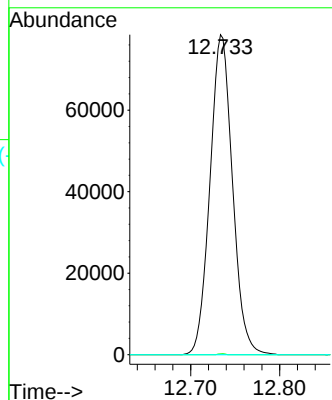
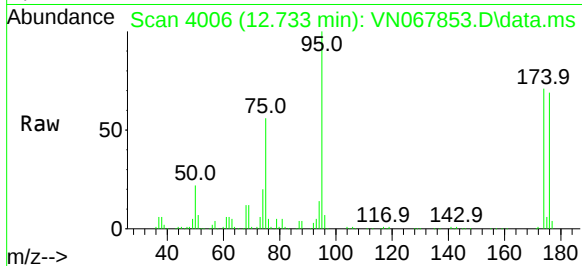




#81
trans-1,4-Dichloro-2-butene
Concen: 110.234 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN067853.D
Acq: 21 Jul 2021 21:08

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 137884
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 0.0 37.8 56.8#



#95
Naphthalene
Concen: 3.018 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.000 min
Lab File: VN067853.D
Acq: 21 Jul 2021 21:08

Tgt Ion:128 Resp: 59
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#

