

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070821\
 Data File : VN067673.D
 Acq On : 8 Jul 2021 19:10
 Operator : JC/MD
 Sample : M2968-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 09 03:56:49 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)

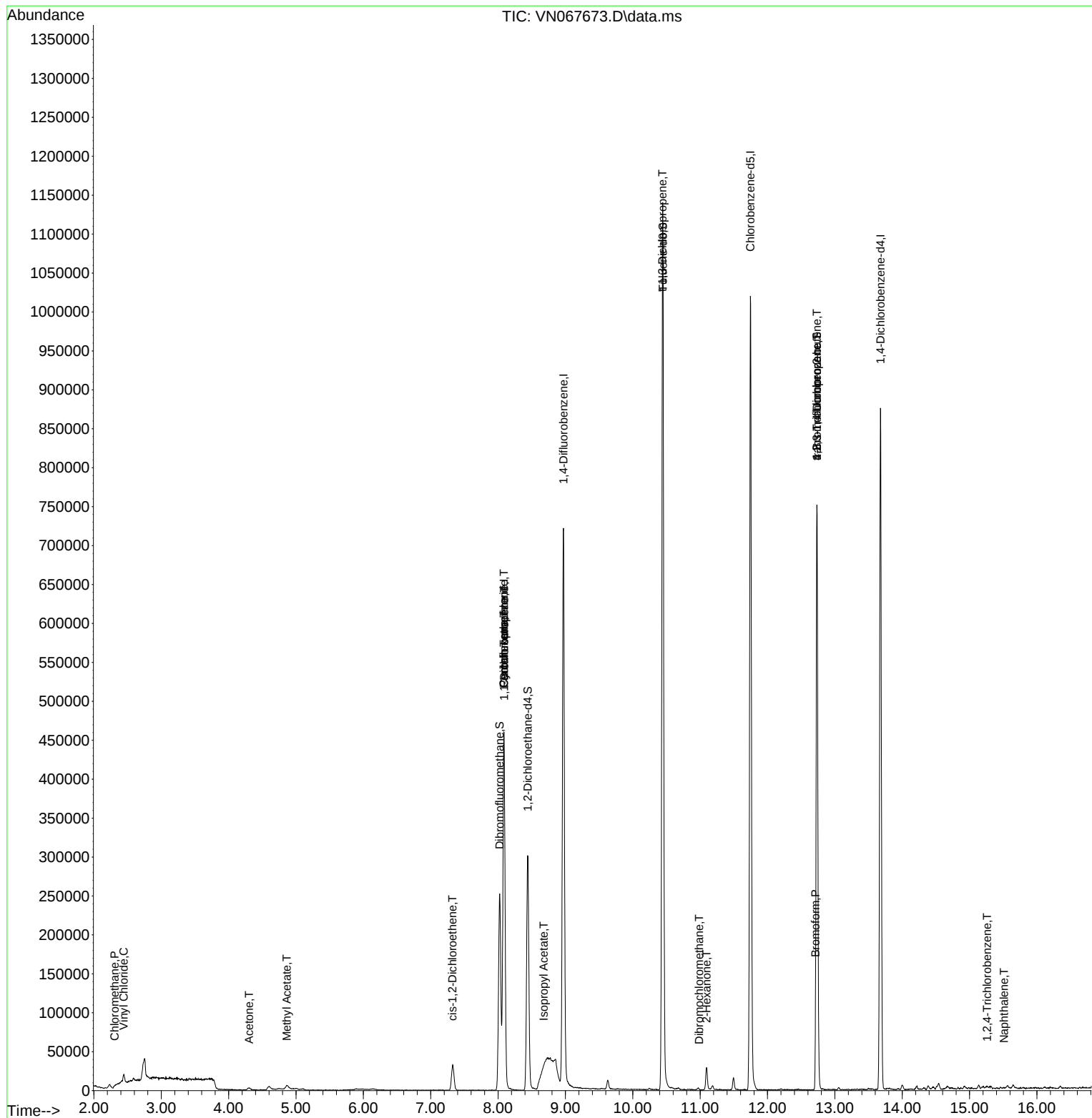
Internal Standards						
1) Pentafluorobenzene	8.088	168	327846	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	618709	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	577192	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	218749	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	257970	52.065	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 104.140%		
35) Dibromofluoromethane	8.024	113	180976	48.414	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 96.820%		
50) Toluene-d8	10.446	98	792549	50.653	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 101.300%		
62) 4-Bromofluorobenzene	12.734	95	256676	46.438	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 92.880%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.309	50	1017	0.230	ug/l #	87
4) Vinyl Chloride	2.443	62	9272	1.392	ug/l	97
5) Bromomethane	2.834	94	116	Below Cal	#	4
6) Chloroethane	2.888	64	25	Below Cal	#	44
13) Acrolein	4.039	56	142	Below Cal		84
16) Acetone	4.301	43	4380	2.809	ug/l	95
18) Methyl Acetate	4.865	43	10838	2.475	ug/l #	77
20) Methylene Chloride	5.093	84	75	Below Cal	#	26
27) cis-1,2-Dichloroethene	7.324	96	19422	4.503	ug/l	77
31) Cyclohexane	8.086	56	9065	1.305	ug/l #	25
36) 1,1-Dichloropropene	8.091	75	30542	5.314	ug/l #	51
38) Carbon Tetrachloride	8.088	117	36943	6.517	ug/l #	17
43) Isopropyl Acetate	8.678	43	37687	3.847	ug/l #	59
53) t-1,3-Dichloropropene	10.440	75	169	1.767	ug/l #	1
59) 2-Hexanone	11.095	43	4603	1.096	ug/l #	62
60) Dibromochloromethane	10.985	129	24	2.361	ug/l #	11
71) Bromoform	12.712	173	82	3.196	ug/l #	29
76) 1,2,3-Trichloropropane	12.734	75	148603	33.265	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.734	75	148603	107.250	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.260	180	25	2.681	ug/l #	1
95) Naphthalene	15.512	128	753	3.078	ug/l #	86

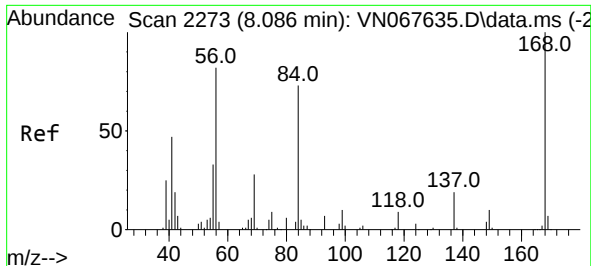
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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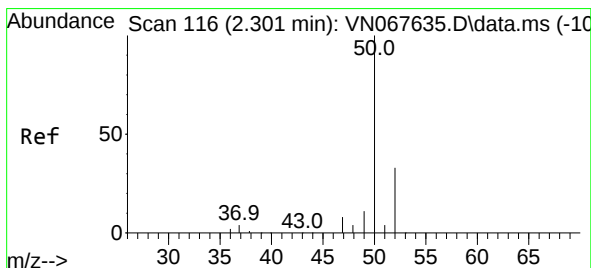
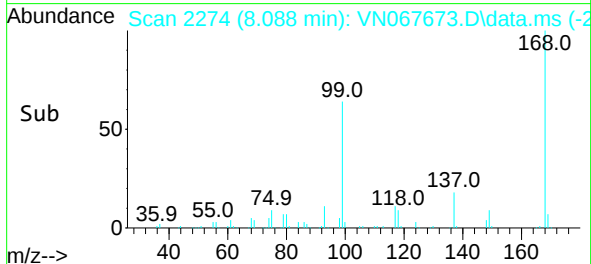
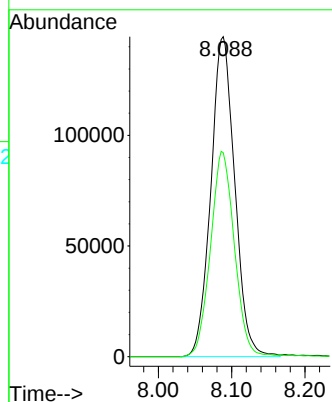
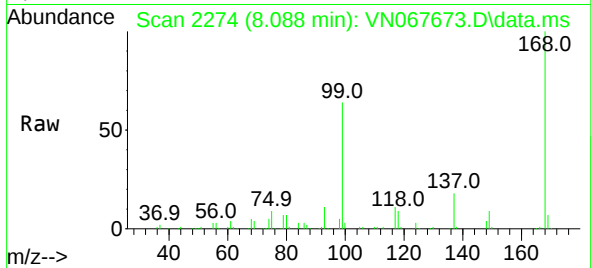




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN067673.D
Acq: 8 Jul 2021 19:10

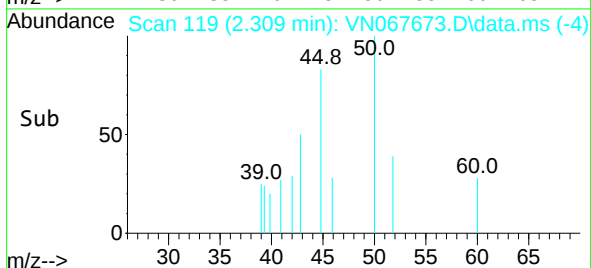
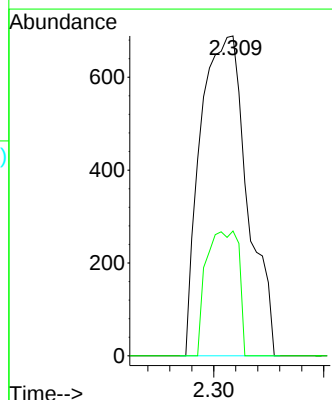
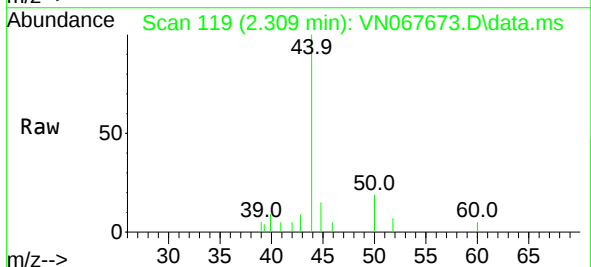
Instrument :
MSVOA_N
ClientSampleId :

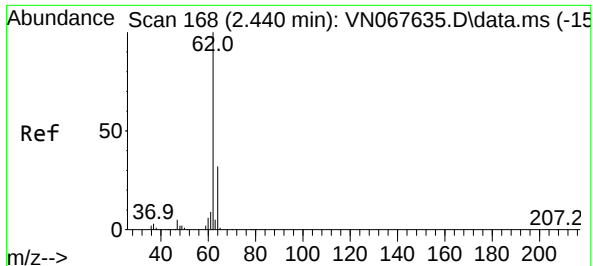
Tgt Ion:168 Resp: 327846
Ion Ratio Lower Upper
168 100
99 63.8 62.9 94.3



#3
Chloromethane
Concen: 0.230 ug/l
RT: 2.309 min Scan# 119
Delta R.T. 0.008 min
Lab File: VN067673.D
Acq: 8 Jul 2021 19:10

Tgt Ion: 50 Resp: 1017
Ion Ratio Lower Upper
50 100
52 39.0 25.6 38.4#

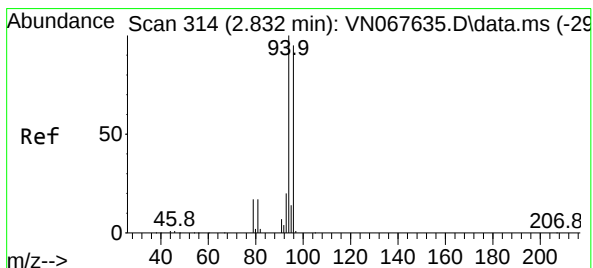
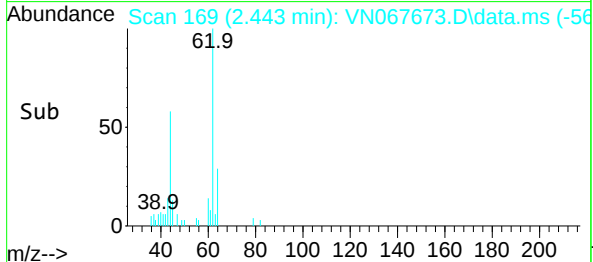
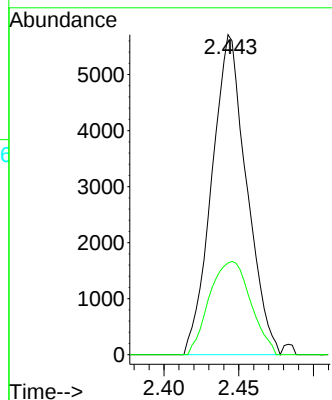
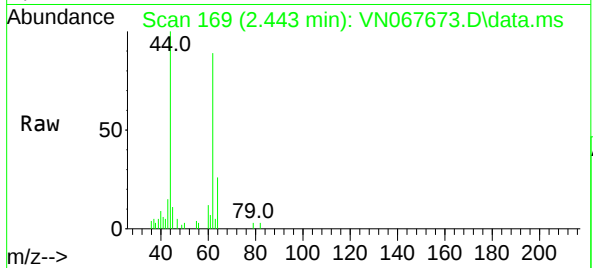




#4
 Vinyl Chloride
 Concen: 1.392 ug/l
 RT: 2.443 min Scan# 169
 Delta R.T. 0.003 min
 Lab File: VN067673.D
 Acq: 8 Jul 2021 19:10

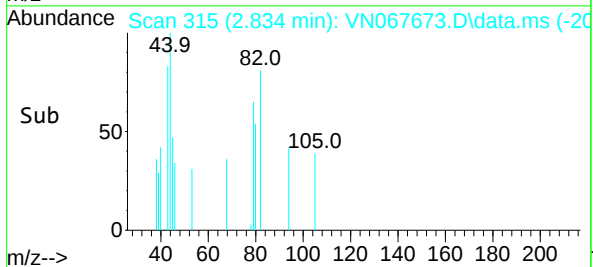
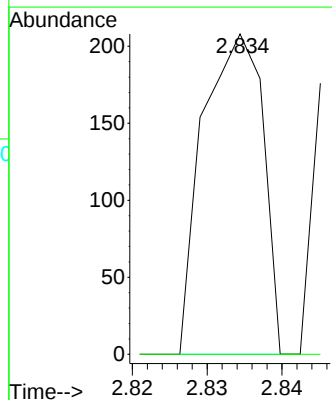
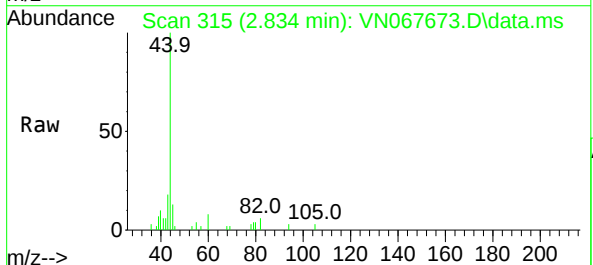
Instrument :
 MSVOA_N
 ClientSampled :

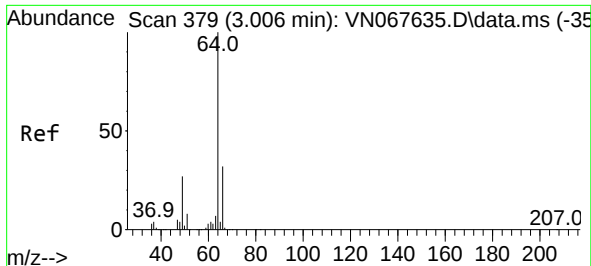
Tgt Ion: 62 Resp: 9272
 Ion Ratio Lower Upper
 62 100
 64 28.7 24.4 36.6



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.834 min Scan# 315
 Delta R.T. 0.002 min
 Lab File: VN067673.D
 Acq: 8 Jul 2021 19:10

Tgt Ion: 94 Resp: 116
 Ion Ratio Lower Upper
 94 100
 96 0.0 73.7 110.5#

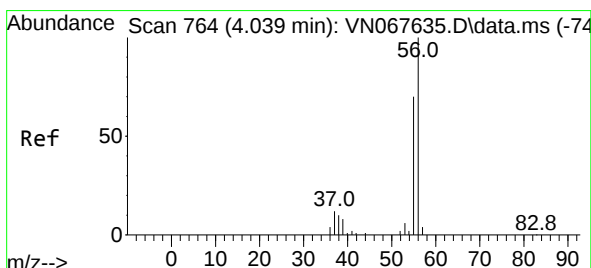
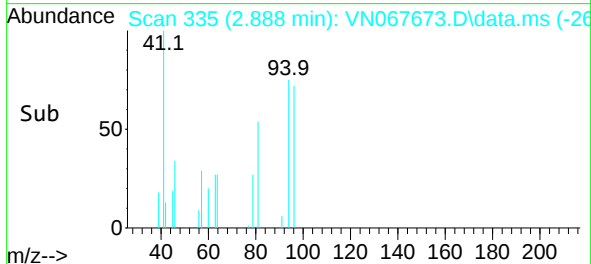
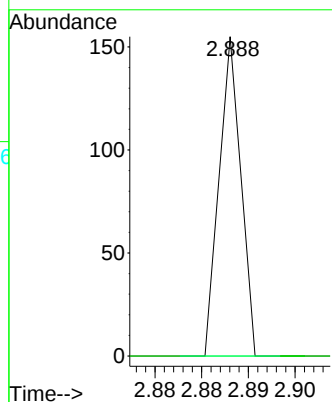
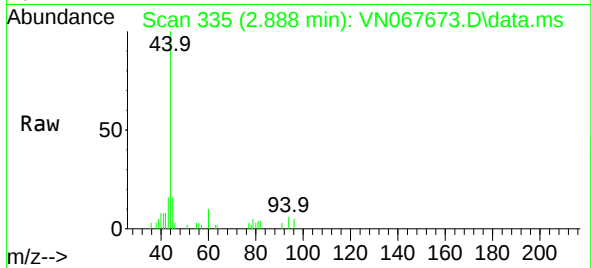




#6
Chloroethane
Concen: Below Cal
RT: 2.888 min Scan# 335
Delta R.T. -0.118 min
Lab File: VN067673.D
Acq: 8 Jul 2021 19:10

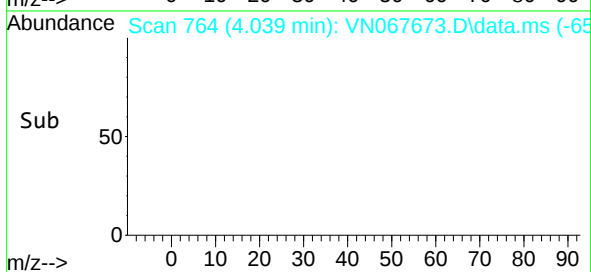
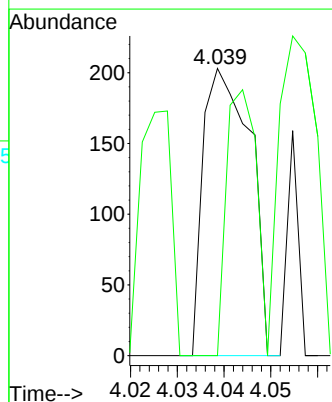
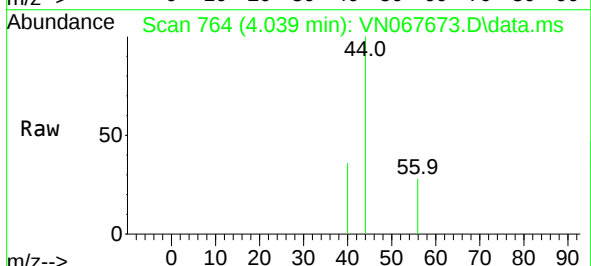
Instrument :
MSVOA_N
ClientSampled :

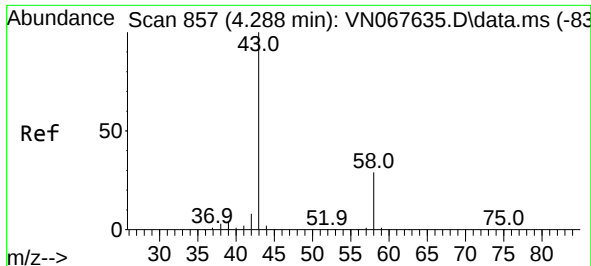
Tgt Ion: 64 Resp: 25
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#13
Acrolein
Concen: Below Cal
RT: 4.039 min Scan# 764
Delta R.T. -0.000 min
Lab File: VN067673.D
Acq: 8 Jul 2021 19:10

Tgt Ion: 56 Resp: 142
Ion Ratio Lower Upper
56 100
55 58.5 57.4 86.0

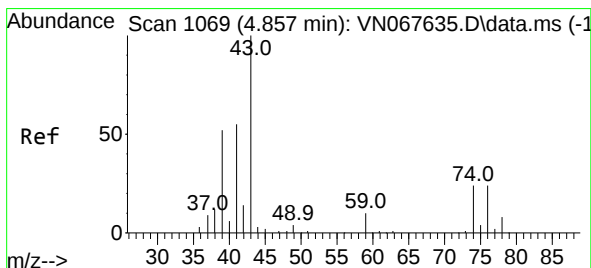
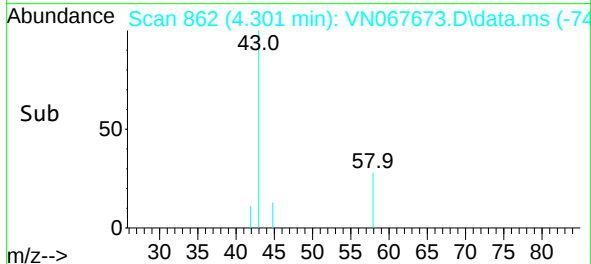
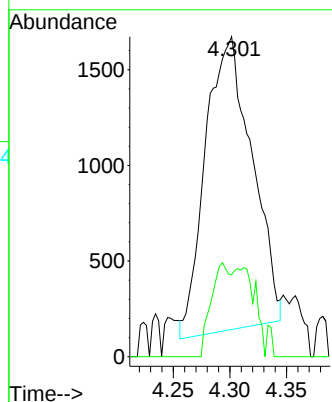
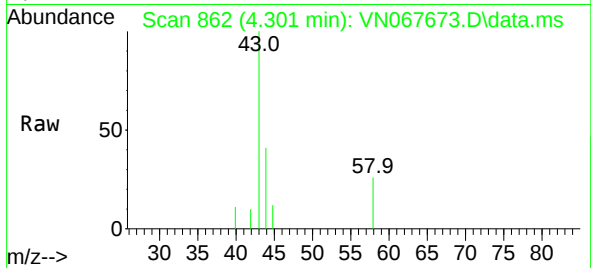




#16
Acetone
Concen: 2.809 ug/l
RT: 4.301 min Scan# 862
Delta R.T. 0.013 min
Lab File: VN067673.D
Acq: 8 Jul 2021 19:10

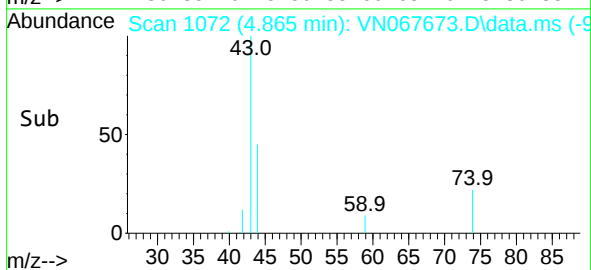
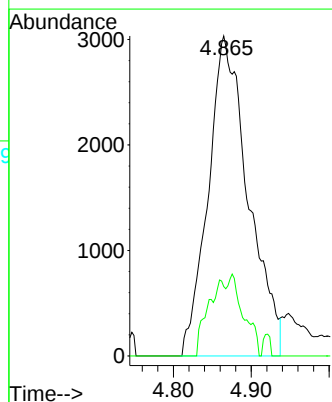
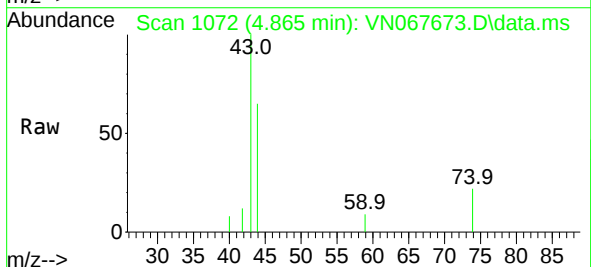
Instrument :
MSVOA_N
ClientSampled :

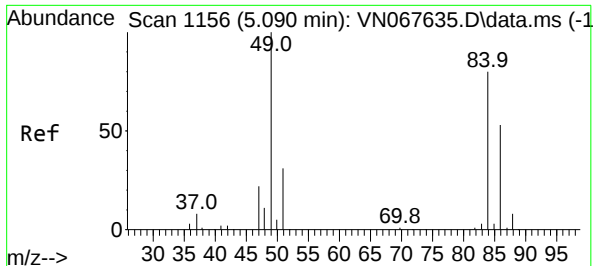
Tgt Ion: 43 Resp: 4380
Ion Ratio Lower Upper
43 100
58 28.8 21.2 31.8



#18
Methyl Acetate
Concen: 2.475 ug/l
RT: 4.865 min Scan# 1072
Delta R.T. 0.008 min
Lab File: VN067673.D
Acq: 8 Jul 2021 19:10

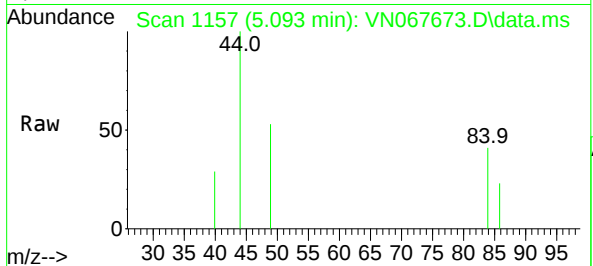
Tgt Ion: 43 Resp: 10838
Ion Ratio Lower Upper
43 100
74 10.7 17.4 26.0#





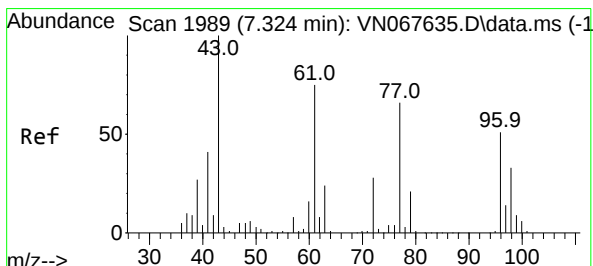
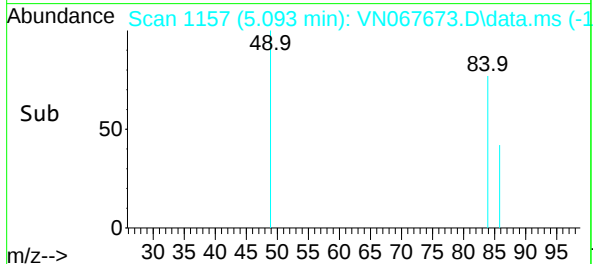
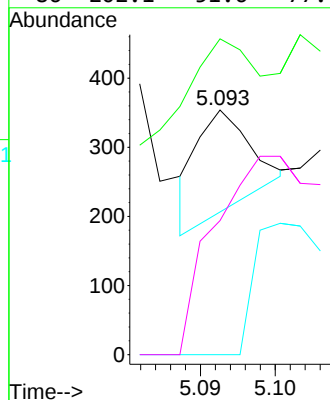
#20
Methylene Chloride
Concen: Below Cal
RT: 5.093 min Scan# 1157
Delta R.T. 0.003 min
Lab File: VN067673.D
Acq: 8 Jul 2021 19:10

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion: 84 Resp: 75

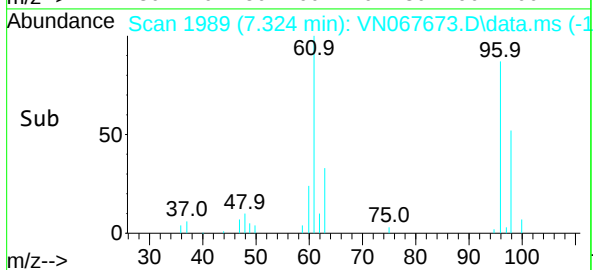
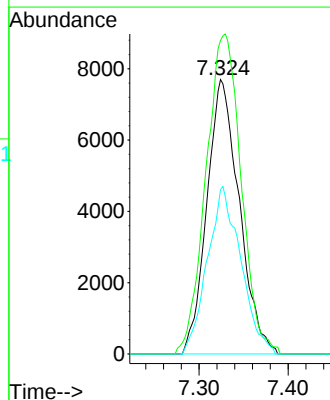
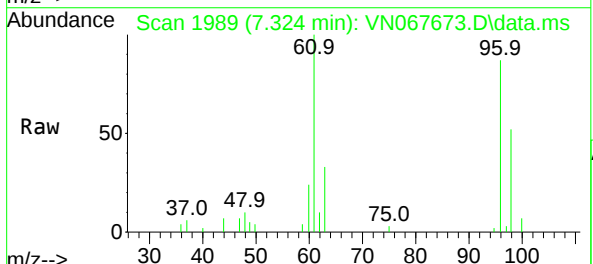
Ion	Ratio	Lower	Upper
84	100		
49	102.1	110.9	166.3#
51	0.0	32.6	49.0#
86	202.1	51.6	77.4#

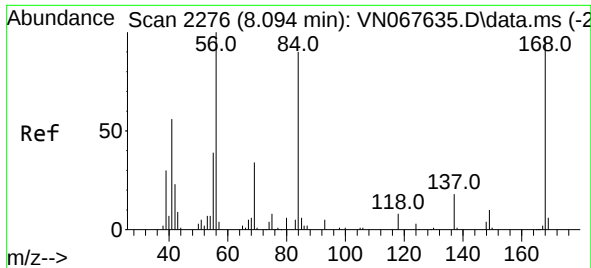


#27
cis-1,2-Dichloroethene
Concen: 4.503 ug/l
RT: 7.324 min Scan# 1989
Delta R.T. 0.000 min
Lab File: VN067673.D
Acq: 8 Jul 2021 19:10

Tgt Ion: 96 Resp: 19422

Ion	Ratio	Lower	Upper
96	100		
61	127.0	0.0	338.8
98	63.1	0.0	129.8

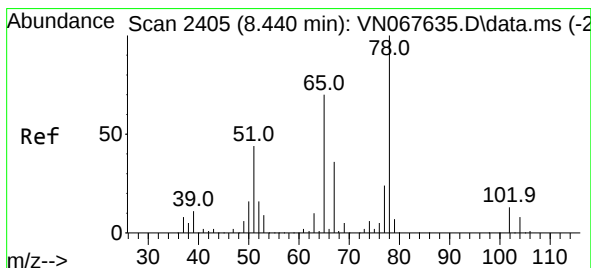
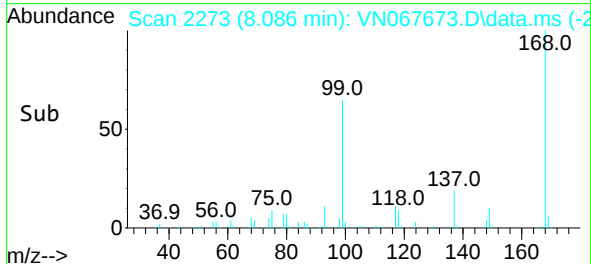
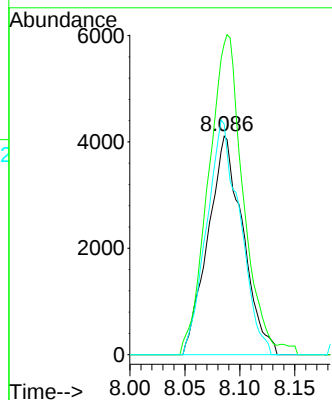
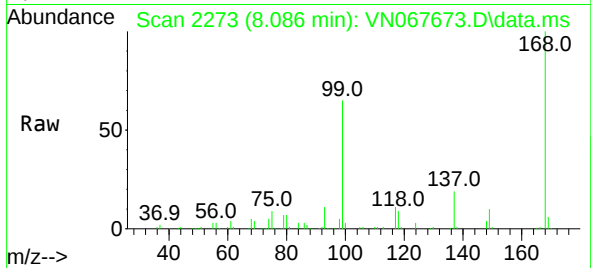




#31
Cyclohexane
Concen: 1.305 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN067673.D
Acq: 8 Jul 2021 19:10

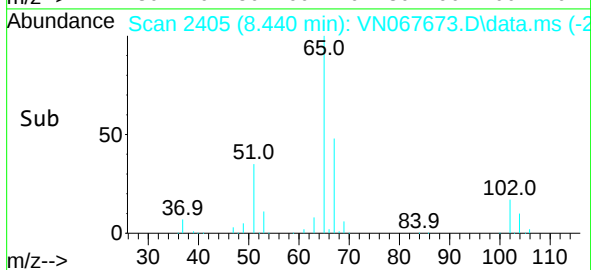
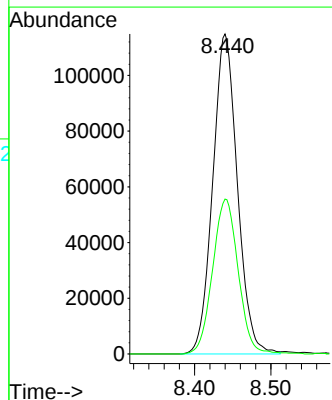
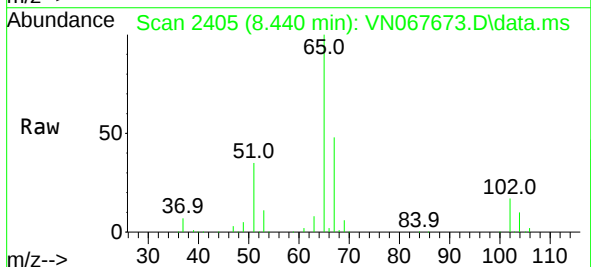
Instrument :
MSVOA_N
ClientSampleId :

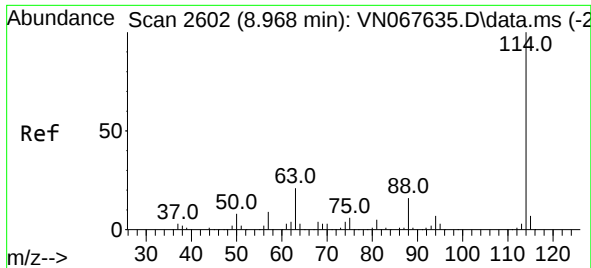
Tgt Ion: 56 Resp: 9065
Ion Ratio Lower Upper
56 100
69 142.3 27.3 40.9#
84 105.5 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 52.065 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067673.D
Acq: 8 Jul 2021 19:10

Tgt Ion: 65 Resp: 257970
Ion Ratio Lower Upper
65 100
67 50.2 0.0 98.6

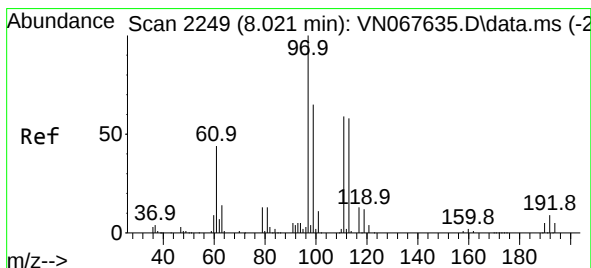
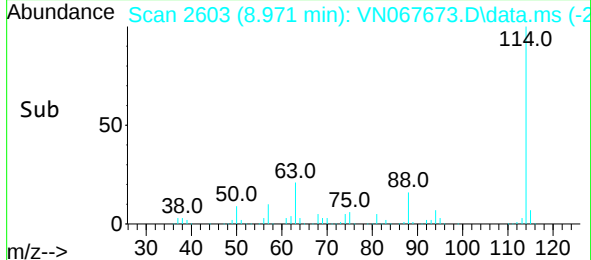
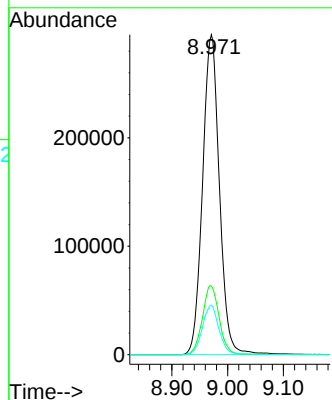
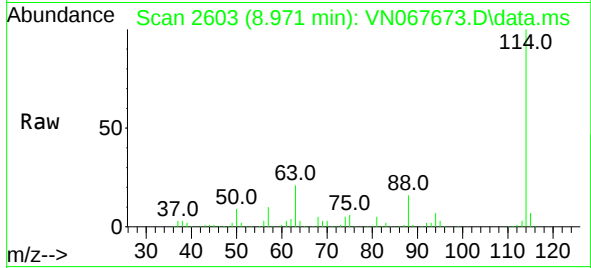




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067673.D
Acq: 8 Jul 2021 19:10

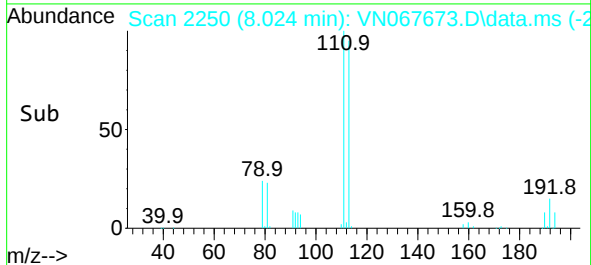
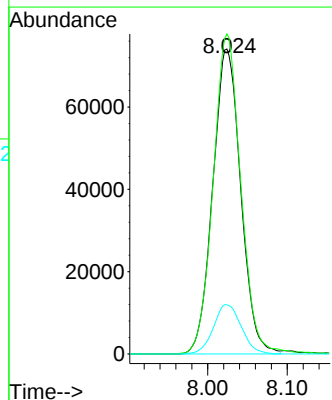
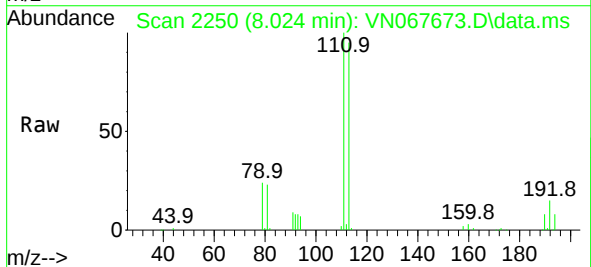
Instrument :
MSVOA_N
ClientSampleId :

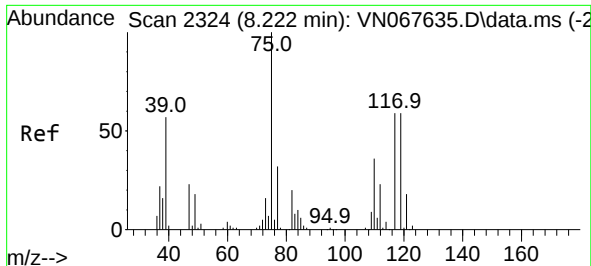
Tgt Ion:114 Resp: 618709
Ion Ratio Lower Upper
114 100
63 21.4 0.0 49.0
88 15.5 0.0 36.6



#35
Dibromofluoromethane
Concen: 48.414 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN067673.D
Acq: 8 Jul 2021 19:10

Tgt Ion:113 Resp: 180976
Ion Ratio Lower Upper
113 100
111 103.6 83.8 125.8
192 16.1 13.4 20.0





#36

1,1-Dichloropropene

Concen: 5.314 ug/l

RT: 8.091 min Scan# 2275

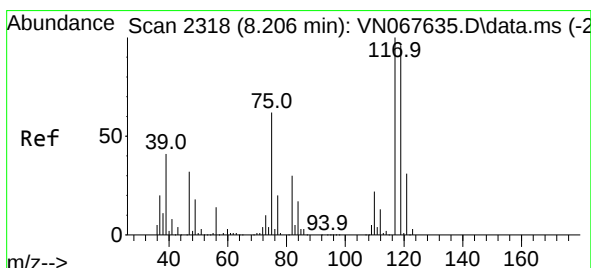
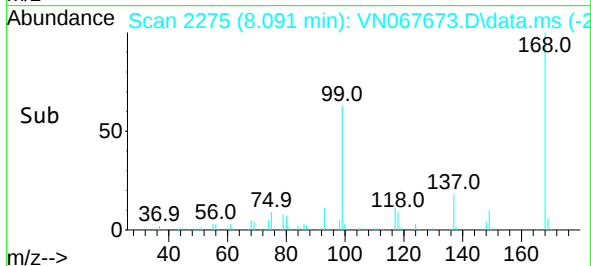
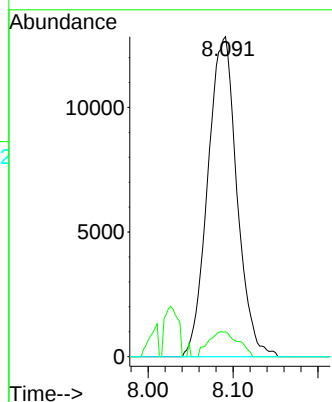
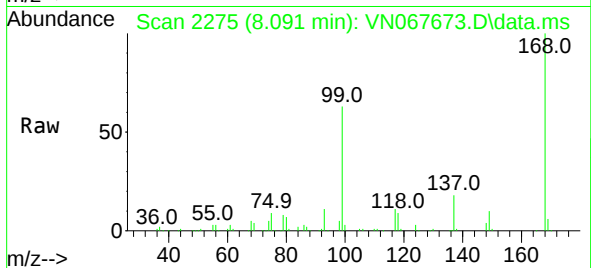
Delta R.T. -0.131 min

Lab File: VN067673.D

Acq: 8 Jul 2021 19:10

Tgt Ion:	75	Resp:	30542
Ion Ratio	Lower	Upper	
75	100		
110	7.9	15.7	47.0#
77	0.0	24.6	37.0#

Instrument :
MSVOA_N
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 6.517 ug/l

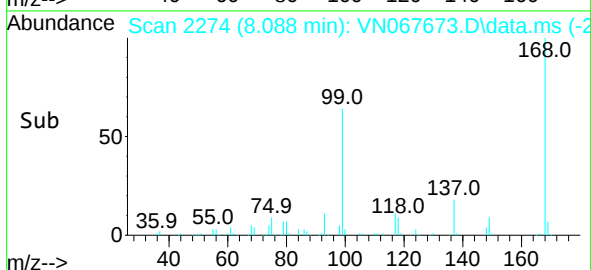
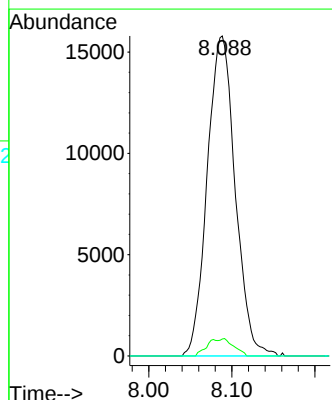
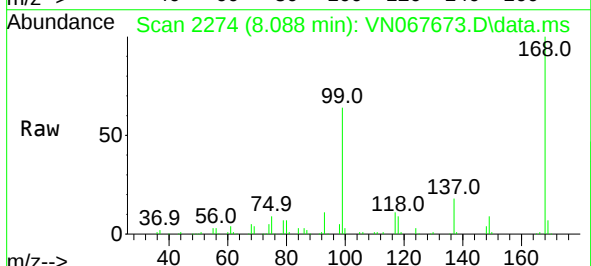
RT: 8.088 min Scan# 2274

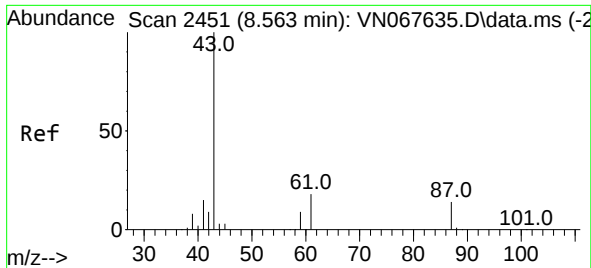
Delta R.T. -0.118 min

Lab File: VN067673.D

Acq: 8 Jul 2021 19:10

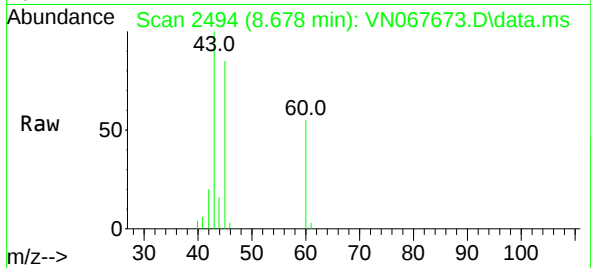
Tgt Ion:	117	Resp:	36943
Ion Ratio	Lower	Upper	
117	100		
119	5.3	75.4	113.2#
121	0.0	23.5	35.3#



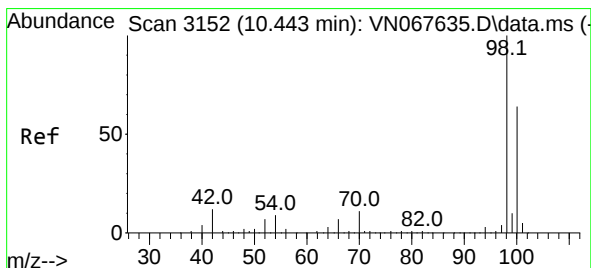
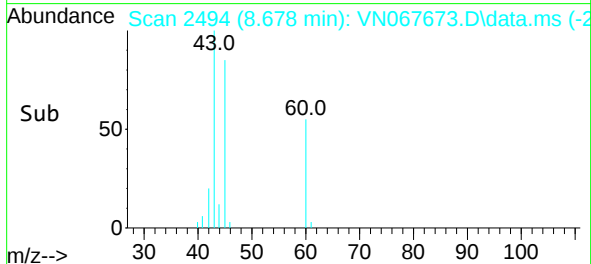
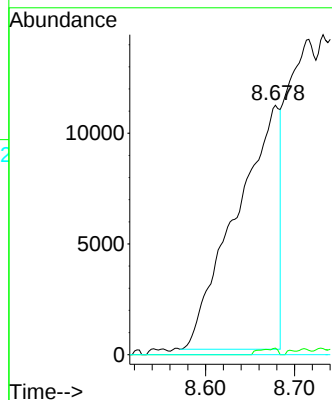


#43
Isopropyl Acetate
Concen: 3.847 ug/l
RT: 8.678 min Scan# 2494
Delta R.T. 0.115 min
Lab File: VN067673.D
Acq: 8 Jul 2021 19:10

Instrument :
MSVOA_N
ClientSampled :

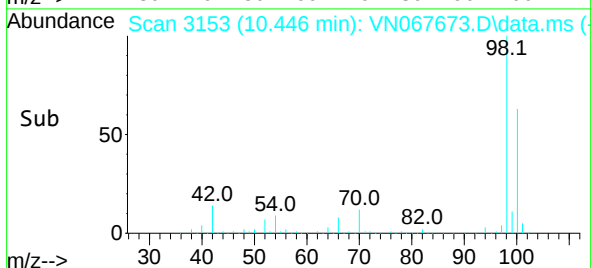
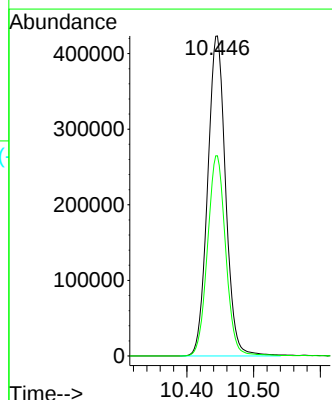
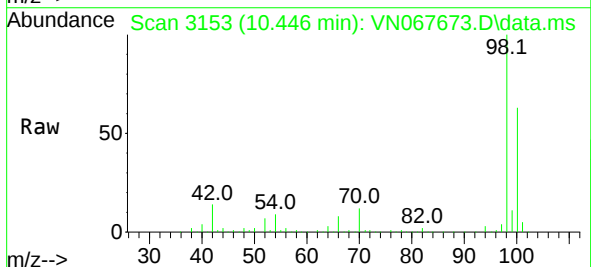


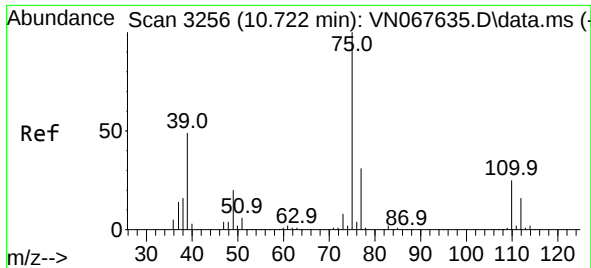
Tgt Ion: 43 Resp: 37687
Ion Ratio Lower Upper
43 100
61 1.0 19.0 28.4#
87 0.0 9.5 14.3#



#50
Toluene-d8
Concen: 50.653 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN067673.D
Acq: 8 Jul 2021 19:10

Tgt Ion: 98 Resp: 792549
Ion Ratio Lower Upper
98 100
100 63.2 51.7 77.5

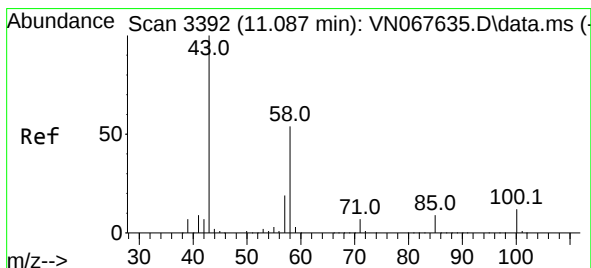
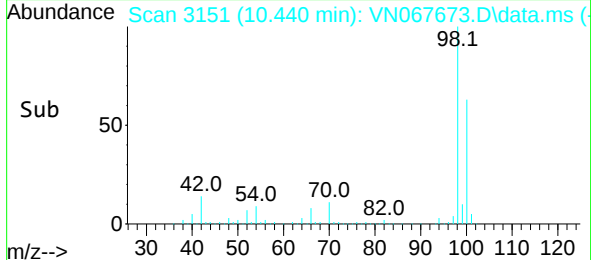
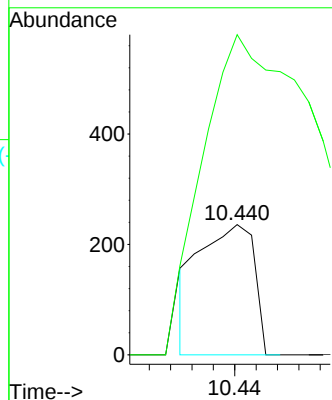
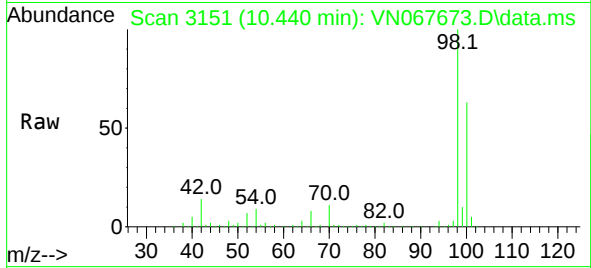




#53
t-1,3-Dichloropropene
Concen: 1.767 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.282 min
Lab File: VN067673.D
Acq: 8 Jul 2021 19:10

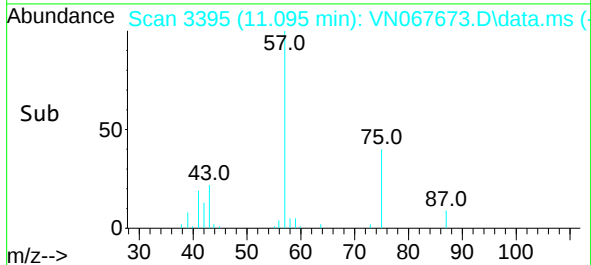
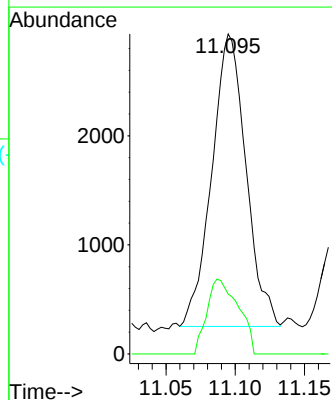
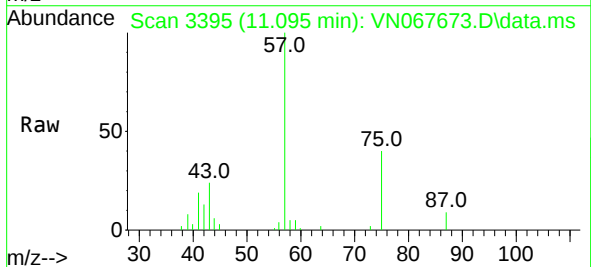
Instrument :
MSVOA_N
ClientSampleId :

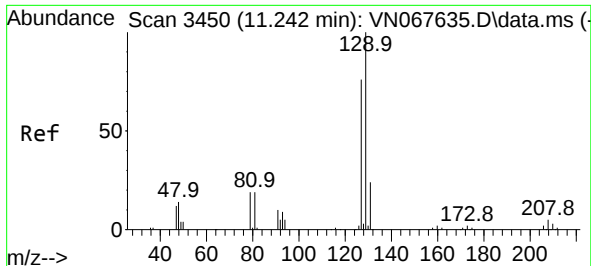
Tgt Ion: 75 Resp: 169
Ion Ratio Lower Upper
75 100
77 177.5 25.1 37.7#



#59
2-Hexanone
Concen: 1.096 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN067673.D
Acq: 8 Jul 2021 19:10

Tgt Ion: 43 Resp: 4603
Ion Ratio Lower Upper
43 100
58 23.5 24.7 74.1#

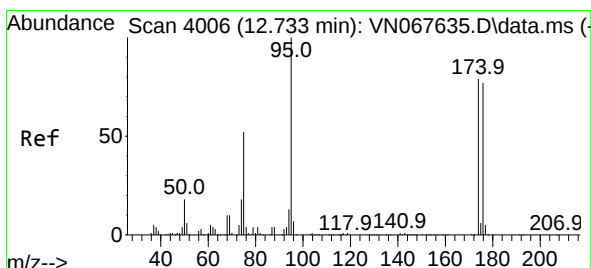
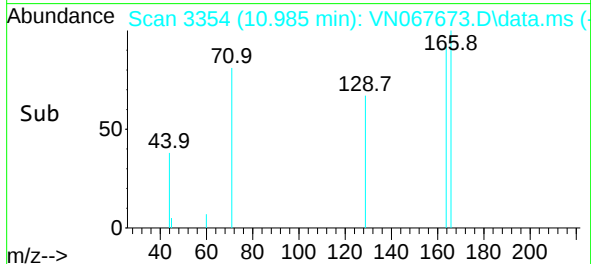
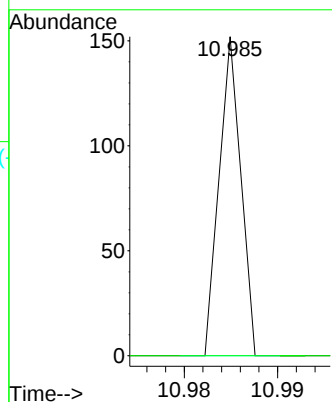
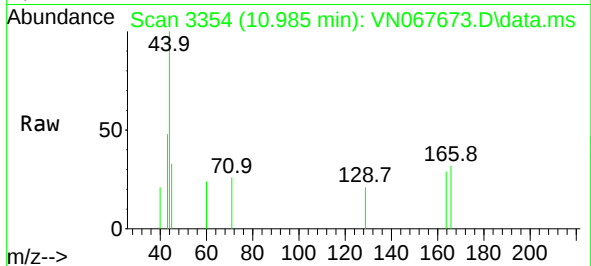




#60
Dibromochloromethane
Concen: 2.361 ug/l
RT: 10.985 min Scan# 3354
Delta R.T. -0.257 min
Lab File: VN067673.D
Acq: 8 Jul 2021 19:10

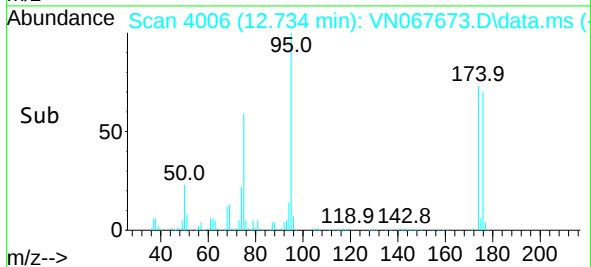
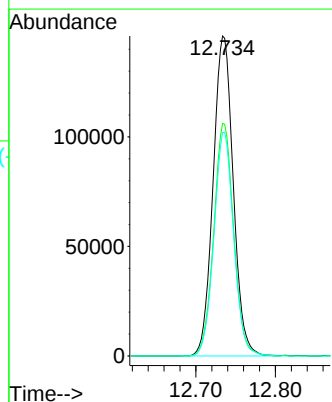
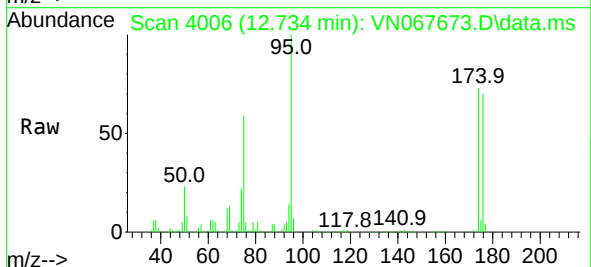
Instrument :
MSVOA_N
ClientSampleId :

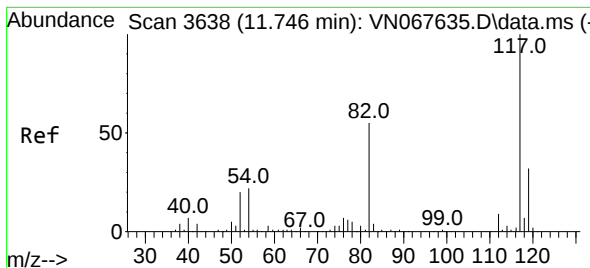
Tgt Ion:129 Resp: 24
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#



#62
4-Bromofluorobenzene
Concen: 46.438 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.001 min
Lab File: VN067673.D
Acq: 8 Jul 2021 19:10

Tgt Ion: 95 Resp: 256676
Ion Ratio Lower Upper
95 100
174 71.9 0.0 122.0
176 68.6 0.0 117.6

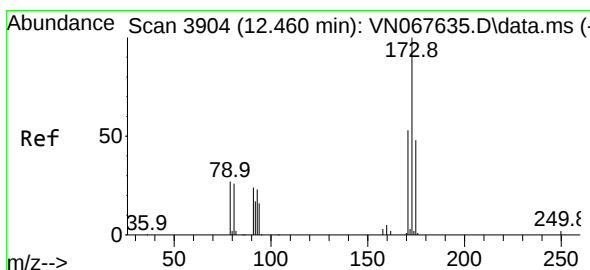
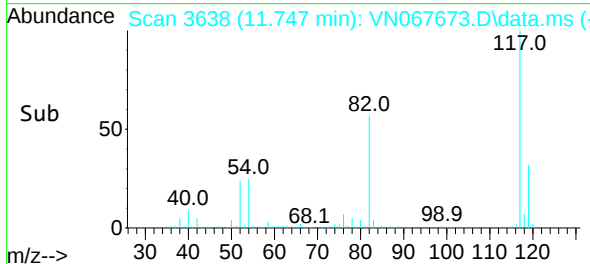
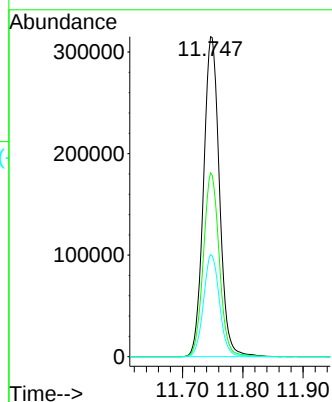
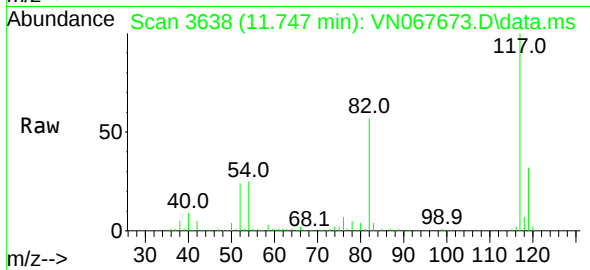




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN067673.D
Acq: 8 Jul 2021 19:10

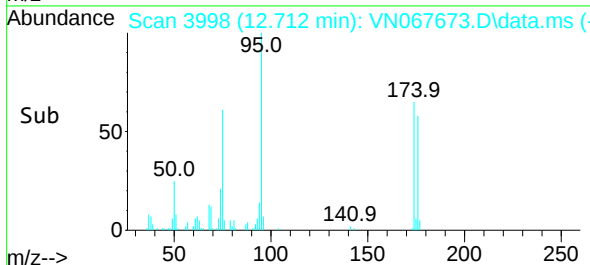
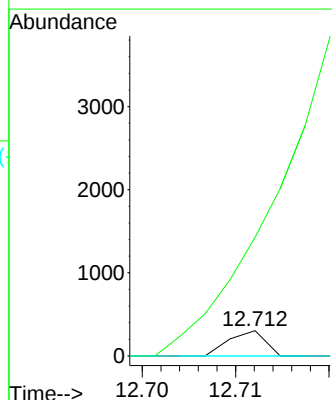
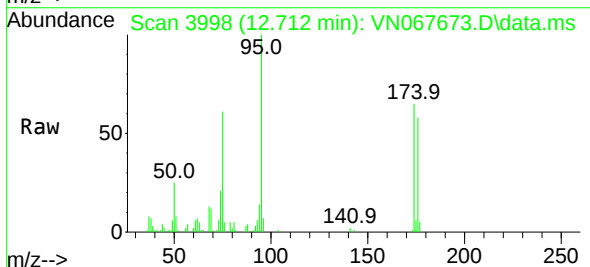
Instrument :
MSVOA_N
ClientSampleId :

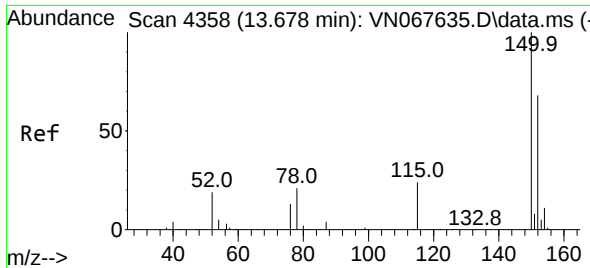
Tgt Ion:117 Resp: 577192
Ion Ratio Lower Upper
117 100
82 57.5 53.1 79.7
119 31.9 25.5 38.3



#71
Bromoform
Concen: 3.196 ug/l
RT: 12.712 min Scan# 3998
Delta R.T. 0.252 min
Lab File: VN067673.D
Acq: 8 Jul 2021 19:10

Tgt Ion:173 Resp: 82
Ion Ratio Lower Upper
173 100
175 0.0 23.9 71.8#
254 0.0 0.0 0.0

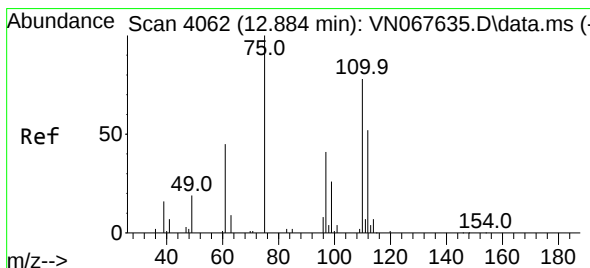
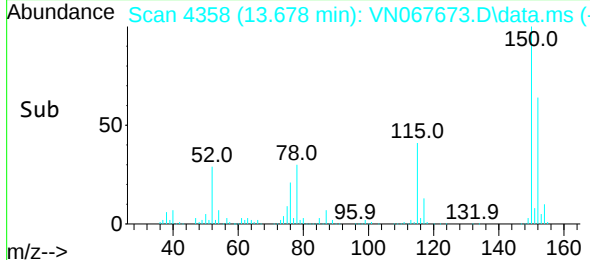
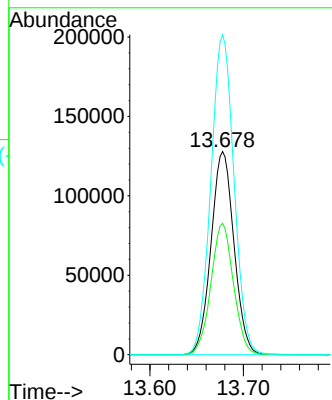
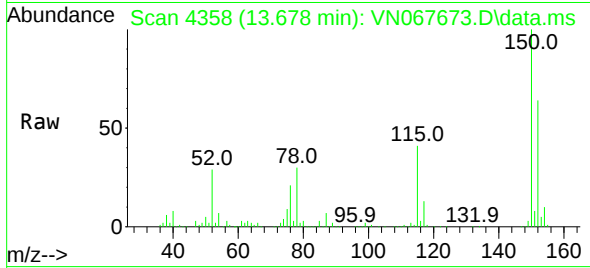




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.000 min
Lab File: VN067673.D
Acq: 8 Jul 2021 19:10

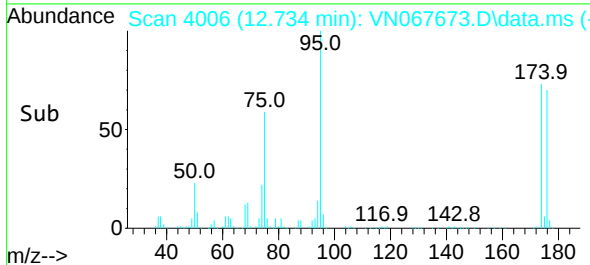
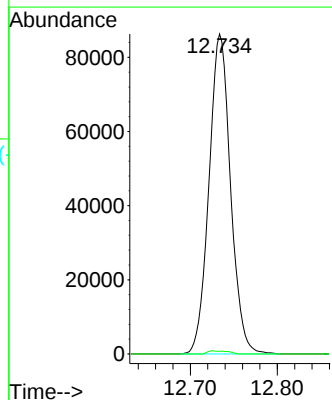
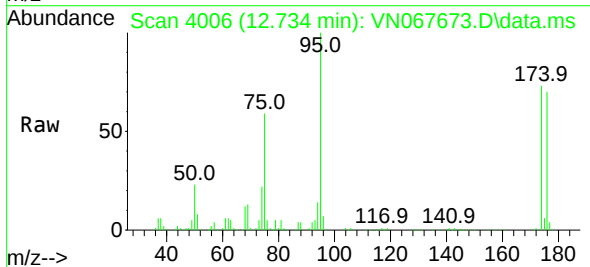
Instrument :
MSVOA_N
ClientSampled :

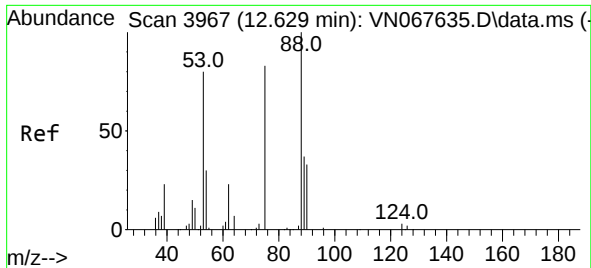
Tgt Ion:152 Resp: 218749
Ion Ratio Lower Upper
152 100
115 63.6 36.1 108.5
150 158.4 0.0 351.8



#76
1,2,3-Trichloropropane
Concen: 33.265 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN067673.D
Acq: 8 Jul 2021 19:10

Tgt Ion: 75 Resp: 148603
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#

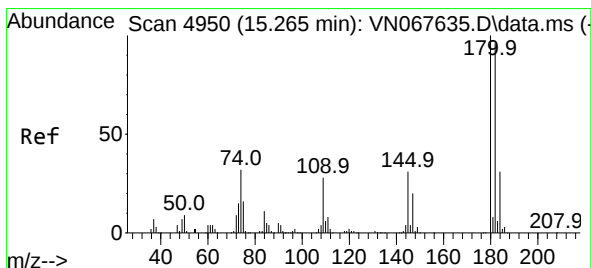
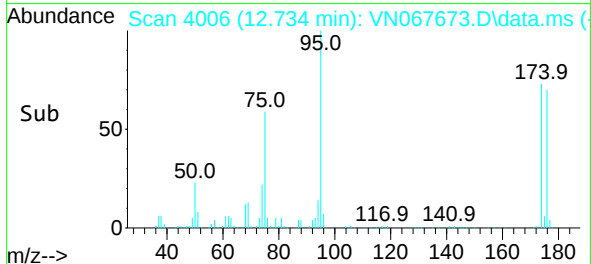
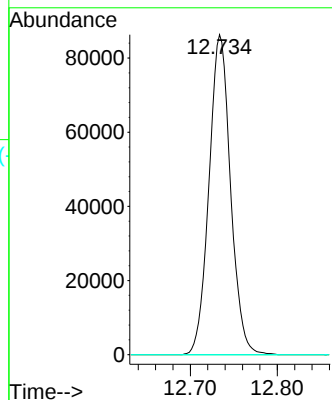
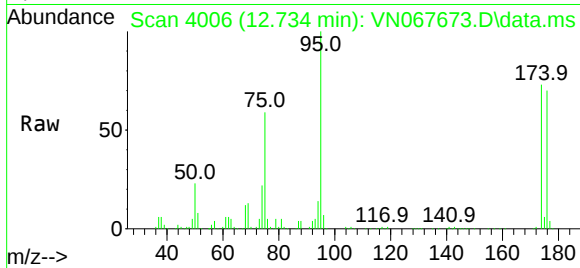




#81
 trans-1,4-Dichloro-2-butene
 Concen: 107.250 ug/l
 RT: 12.734 min Scan# 4006
 Delta R.T. 0.105 min
 Lab File: VN067673.D
 Acq: 8 Jul 2021 19:10

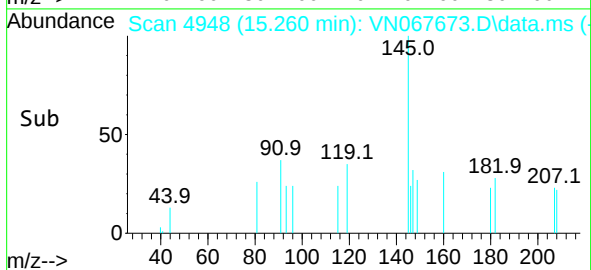
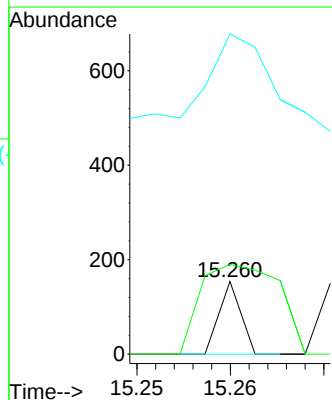
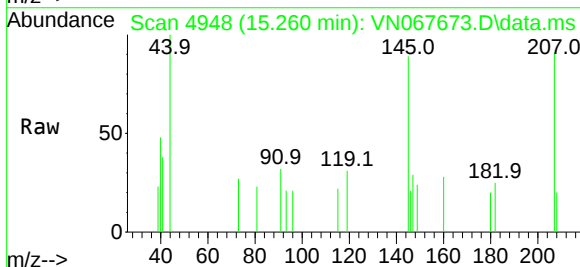
Instrument :
 MSVOA_N
 ClientSampled :

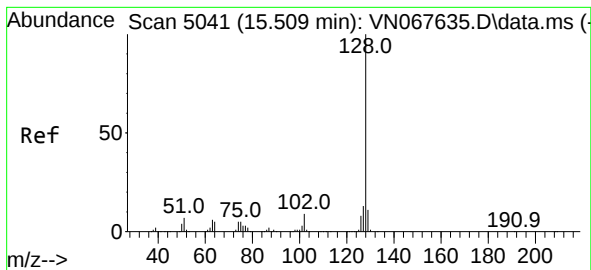
Tgt Ion: 75 Resp: 148603
 Ion Ratio Lower Upper
 75 100
 53 0.0 87.6 131.4#
 89 0.0 37.8 56.8#



#93
 1,2,4-Trichlorobenzene
 Concen: 2.681 ug/l
 RT: 15.260 min Scan# 4948
 Delta R.T. -0.005 min
 Lab File: VN067673.D
 Acq: 8 Jul 2021 19:10

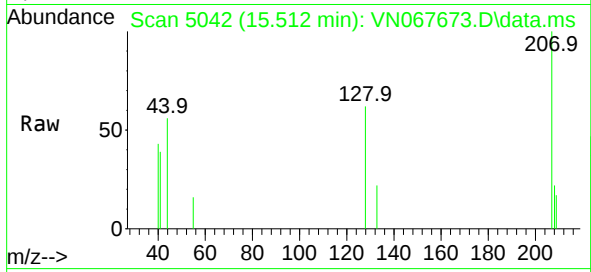
Tgt Ion:180 Resp: 25
 Ion Ratio Lower Upper
 180 100
 182 444.0 47.5 142.5#
 145 3544.0 17.2 51.6#





#95
Naphthalene
Concen: 3.078 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.003 min
Lab File: VN067673.D
Acq: 8 Jul 2021 19:10

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	753
Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.6	15.8
129	0.0	8.6	12.8#

