

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070821\
 Data File : VN067671.D
 Acq On : 8 Jul 2021 18:21
 Operator : JC/MD
 Sample : M2967-06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 09 03:56:12 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)

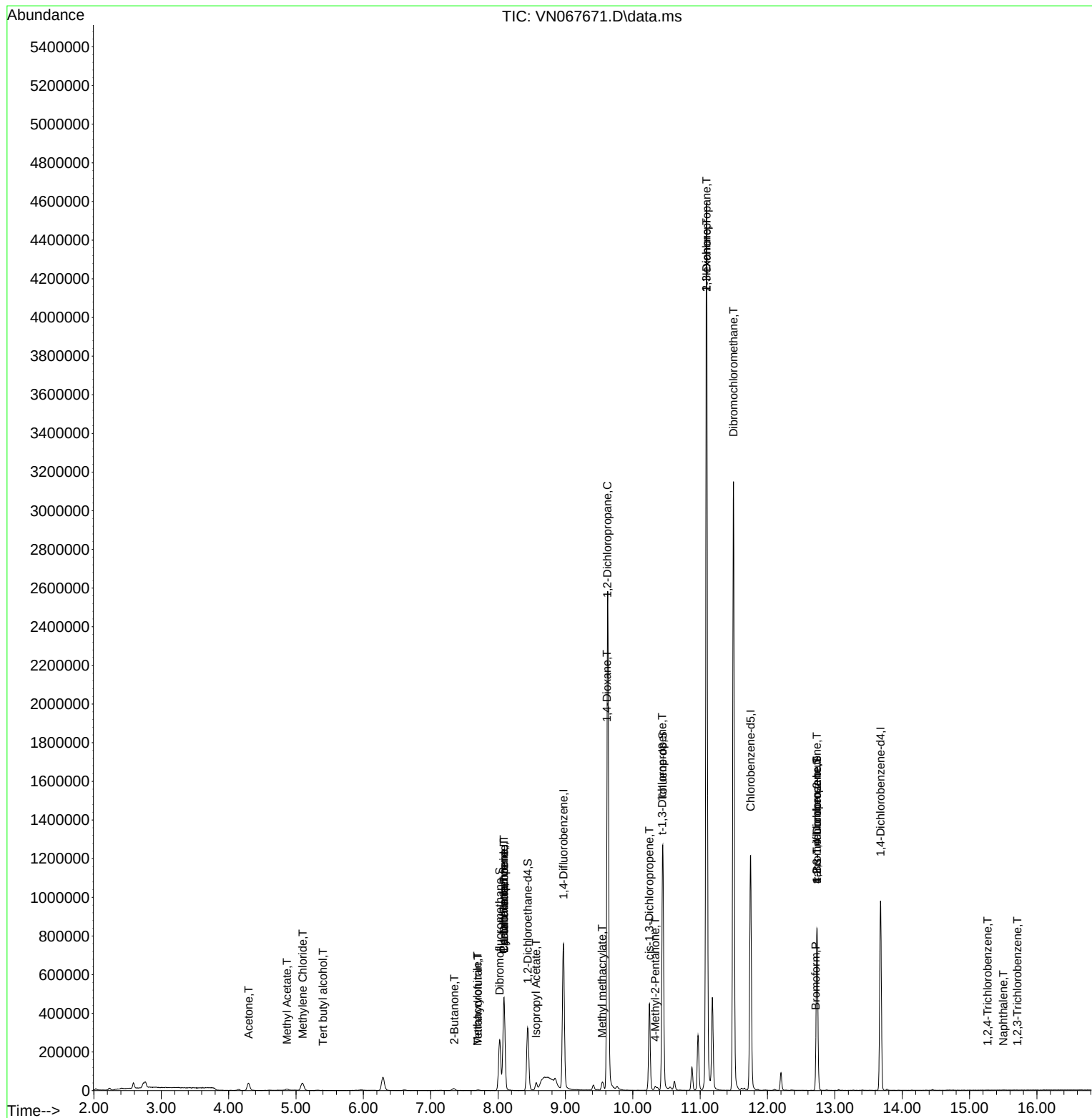
Internal Standards						
1) Pentafluorobenzene	8.088	168	343255	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	657384	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	696288	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	249025	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	269573	51.965	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 103.920%			
35) Dibromofluoromethane	8.024	113	189451	47.700	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 95.400%			
50) Toluene-d8	10.443	98	885994	53.294	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 106.580%			
62) 4-Bromofluorobenzene	12.733	95	301606	51.356	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 102.720%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.840	94	126	Below Cal	#	4
6) Chloroethane	3.014	64	128	Below Cal	#	44
11) Tert butyl alcohol	5.401	59	700	0.939	ug/l #	71
13) Acrolein	4.046	56	358	Below Cal		89
16) Acetone	4.296	43	72892	44.655	ug/l	99
18) Methyl Acetate	4.867	43	12075	2.634	ug/l	91
20) Methylene Chloride	5.100	84	31126	7.578	ug/l	89
25) 2-Butanone	7.351	43	11245	4.149	ug/l	98
29) Tetrahydrofuran	7.699	42	1259	0.706	ug/l #	54
31) Cyclohexane	8.086	56	9446	1.299	ug/l #	18
36) 1,1-Dichloropropene	8.088	75	31636	5.181	ug/l #	52
38) Carbon Tetrachloride	8.086	117	38656	6.418	ug/l #	16
41) Methacrylonitrile	7.694	41	624	0.205	ug/l #	44
43) Isopropyl Acetate	8.563	43	48526	4.662	ug/l #	90
45) 1,2-Dichloropropane	9.622	63	2856	0.617	ug/l #	44
48) Methyl methacrylate	9.545	41	10723	2.329	ug/l #	12
49) 1,4-Dioxane	9.617	88	380	36.149	ug/l #	1
51) 4-Methyl-2-Pentanone	10.336	43	10241	1.602	ug/l #	77
53) t-1,3-Dichloropropene	10.438	75	149	1.763	ug/l #	80
54) cis-1,3-Dichloropropene	10.245	75	76928	10.775	ug/l #	61
57) 1,3-Dichloropropane	11.095	76	49115	6.242	ug/l #	43
59) 2-Hexanone	11.095	43	702111	157.316	ug/l #	54
60) Dibromochloromethane	11.494	129	342	2.415	ug/l #	11
71) Bromoform	12.715	173	105	3.198	ug/l #	29
76) 1,2,3-Trichloropropane	12.733	75	168592	33.151	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	168592	106.883	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.268	180	175	2.714	ug/l #	76
95) Naphthalene	15.501	128	914	3.083	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.708	180	177	2.675	ug/l #	65

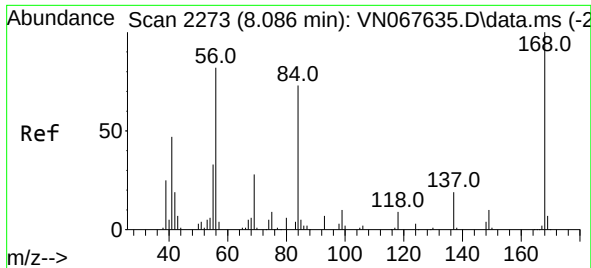
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070821\
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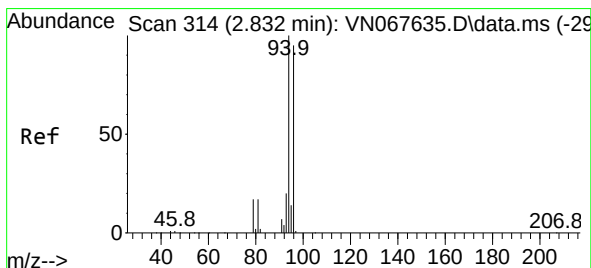
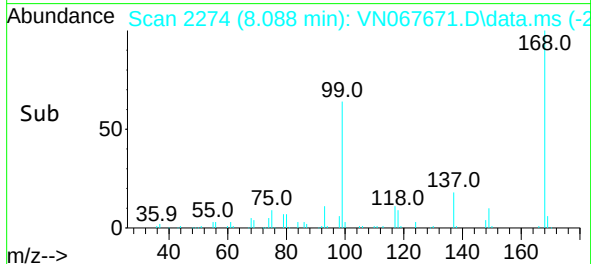
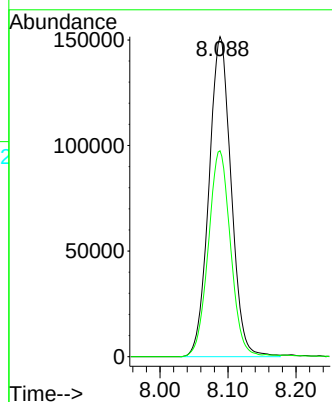
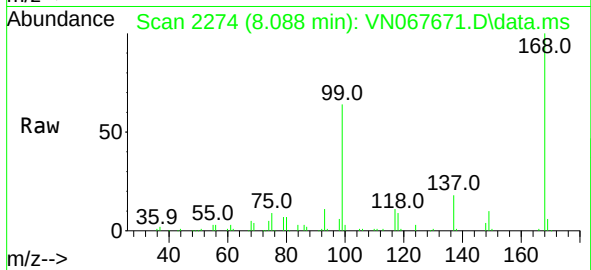




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN067671.D
Acq: 8 Jul 2021 18:21

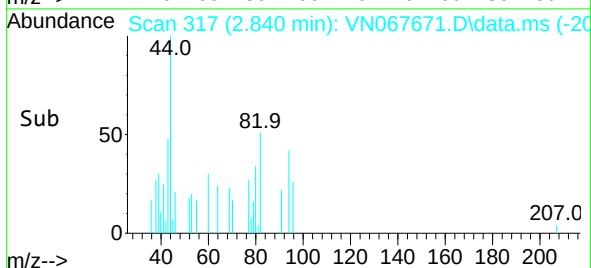
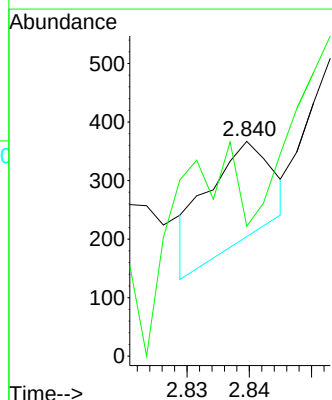
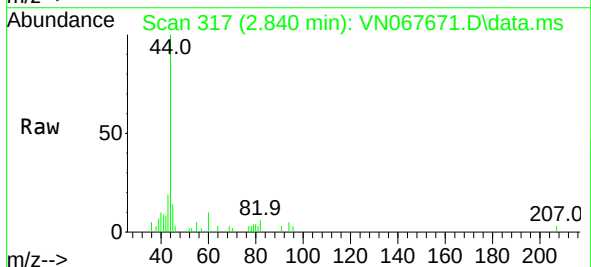
Instrument :
MSVOA_N
ClientSampleId :

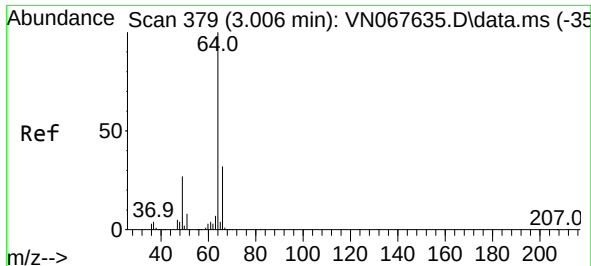
Tgt Ion:168 Resp: 343255
Ion Ratio Lower Upper
168 100
99 64.3 62.9 94.3



#5
Bromomethane
Concen: Below Cal
RT: 2.840 min Scan# 317
Delta R.T. 0.008 min
Lab File: VN067671.D
Acq: 8 Jul 2021 18:21

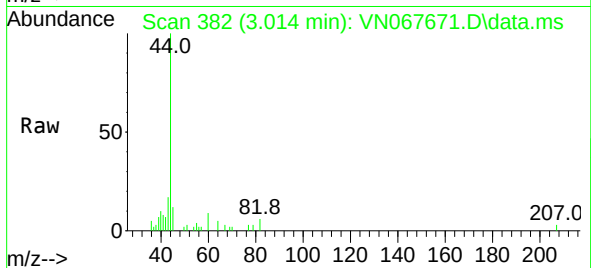
Tgt Ion: 94 Resp: 126
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#



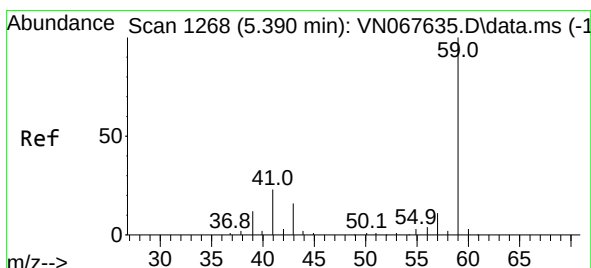
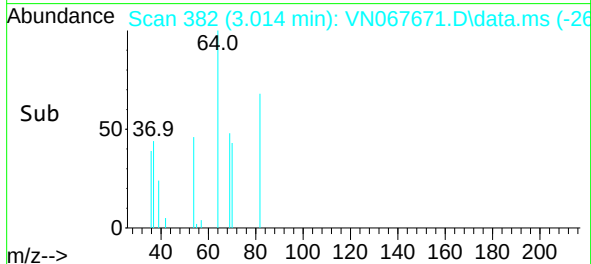
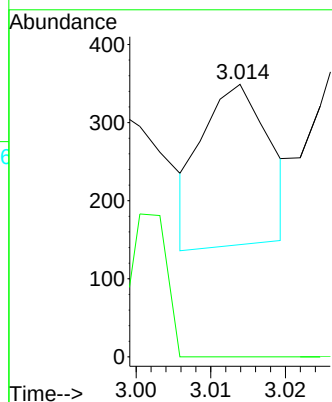


#6
Chloroethane
Concen: Below Cal
RT: 3.014 min Scan# 382
Delta R.T. 0.008 min
Lab File: VN067671.D
Acq: 8 Jul 2021 18:21

Instrument :
MSVOA_N
ClientSampled :

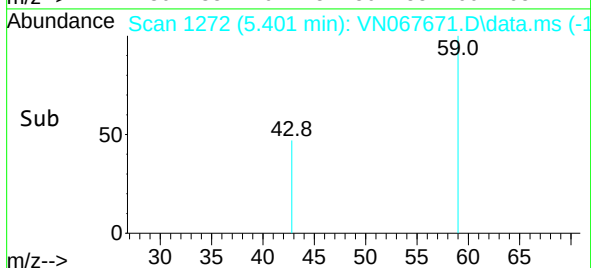
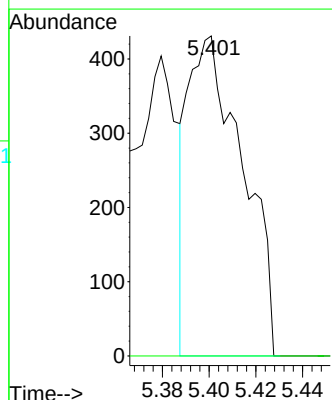
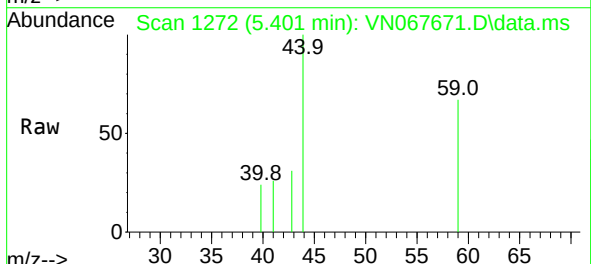


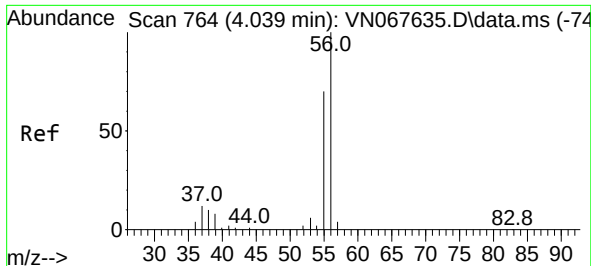
Tgt Ion: 64 Resp: 128
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#11
Tert butyl alcohol
Concen: 0.939 ug/l
RT: 5.401 min Scan# 1272
Delta R.T. 0.011 min
Lab File: VN067671.D
Acq: 8 Jul 2021 18:21

Tgt Ion: 59 Resp: 700
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

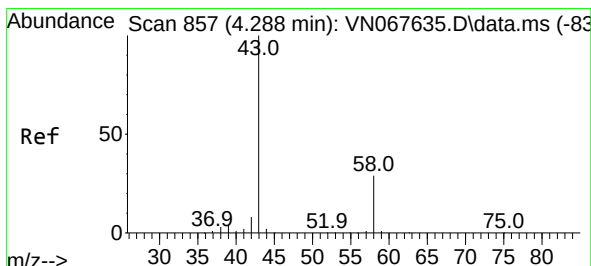
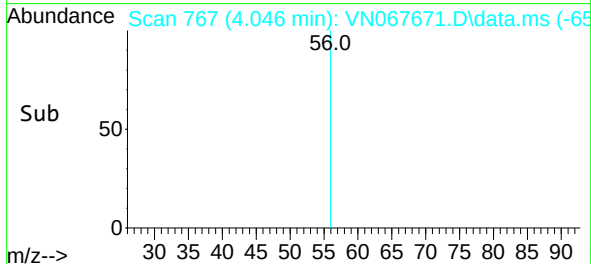
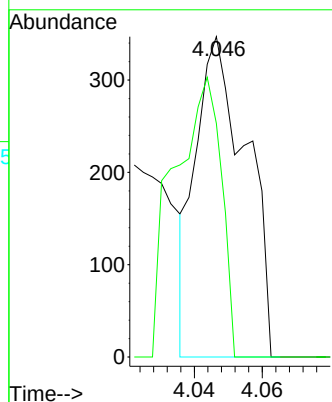
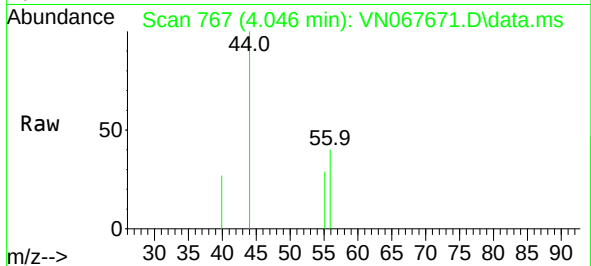




#13
Acrolein
Concen: Below Cal
RT: 4.046 min Scan# 767
Delta R.T. 0.007 min
Lab File: VN067671.D
Acq: 8 Jul 2021 18:21

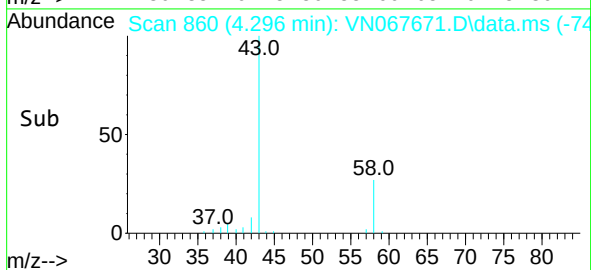
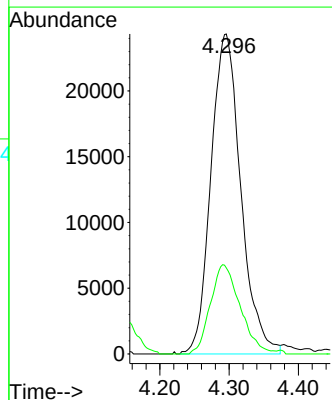
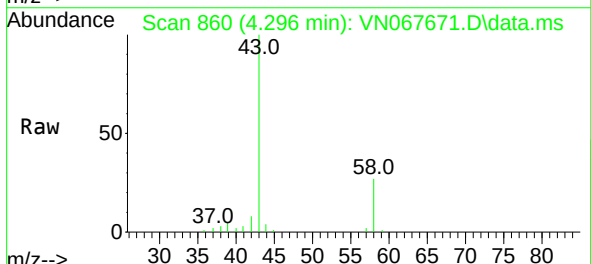
Instrument :
MSVOA_N
ClientSampleId :

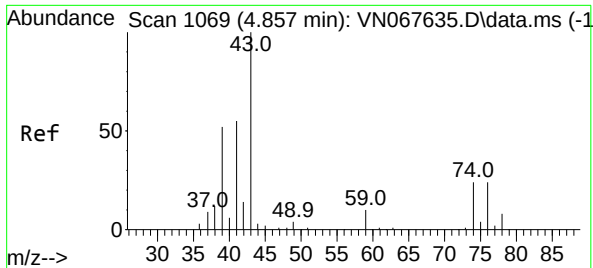
Tgt Ion: 56 Resp: 358
Ion Ratio Lower Upper
56 100
55 81.0 57.4 86.0



#16
Acetone
Concen: 44.655 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.008 min
Lab File: VN067671.D
Acq: 8 Jul 2021 18:21

Tgt Ion: 43 Resp: 72892
Ion Ratio Lower Upper
43 100
58 26.9 21.2 31.8





#18

Methyl Acetate

Concen: 2.634 ug/l

RT: 4.867 min Scan# 1073

Delta R.T. 0.010 min

Lab File: VN067671.D

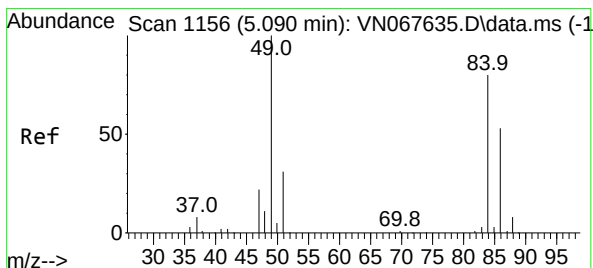
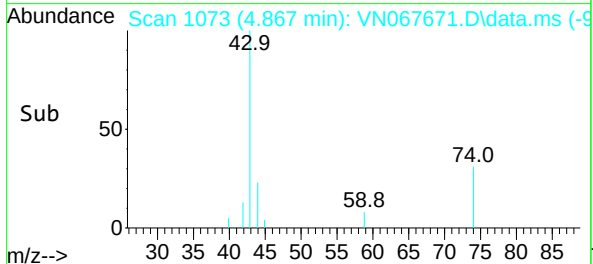
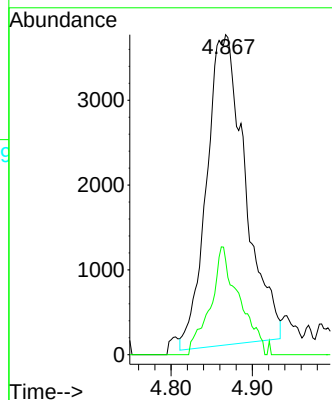
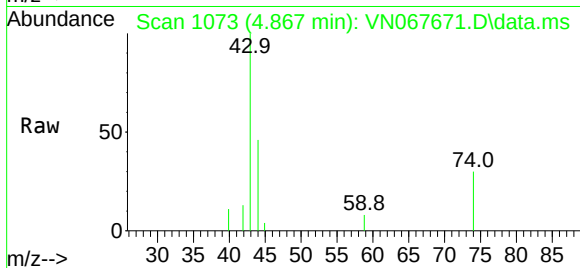
Acq: 8 Jul 2021 18:21

Tgt Ion: 43 Resp: 12075

Ion Ratio Lower Upper

43 100

74 26.0 17.4 26.0



#20

Methylene Chloride

Concen: 7.578 ug/l

RT: 5.100 min Scan# 1160

Delta R.T. 0.010 min

Lab File: VN067671.D

Acq: 8 Jul 2021 18:21

Tgt Ion: 84 Resp: 31126

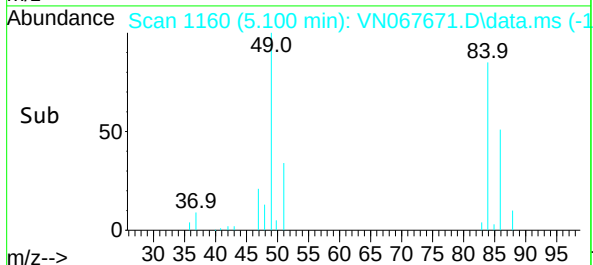
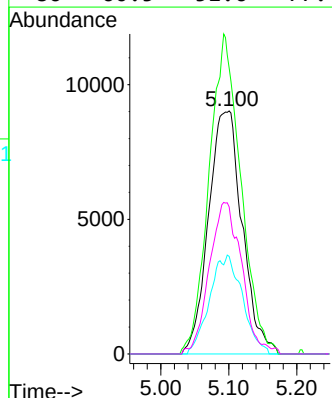
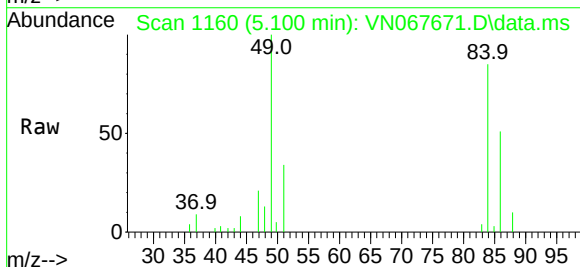
Ion Ratio Lower Upper

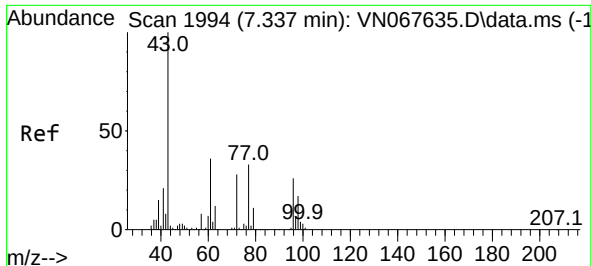
84 100

49 117.7 110.9 166.3

51 40.1 32.6 49.0

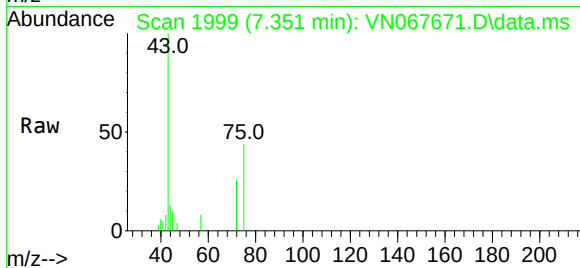
86 60.5 51.6 77.4



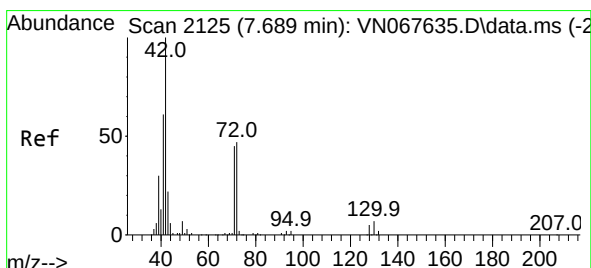
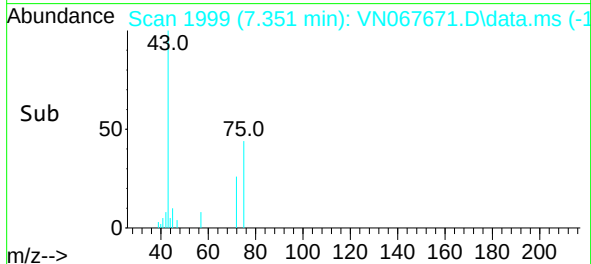
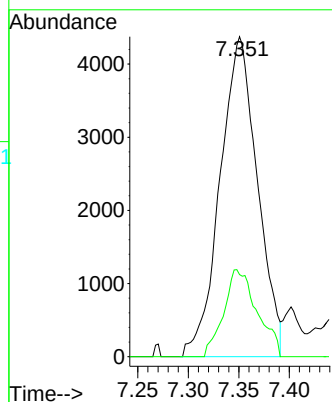


#25
2-Butanone
Concen: 4.149 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. 0.014 min
Lab File: VN067671.D
Acq: 8 Jul 2021 18:21

Instrument :
MSVOA_N
ClientSampled :

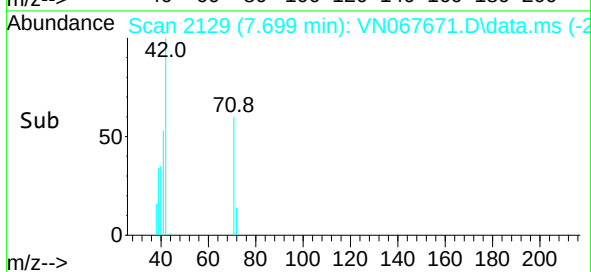
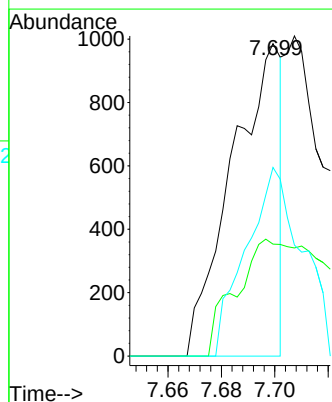
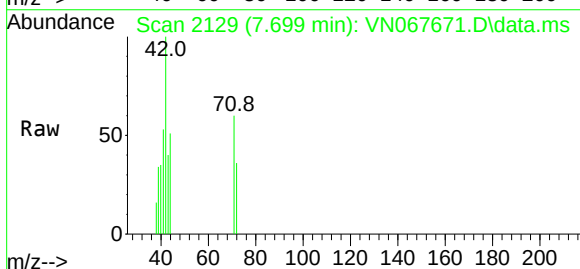


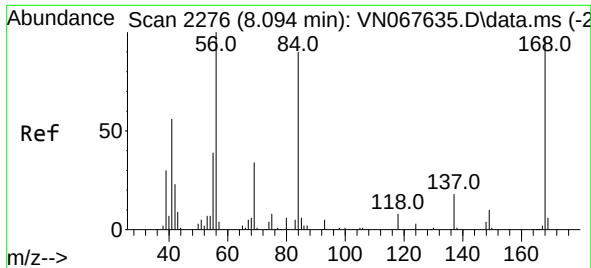
Tgt Ion: 43 Resp: 11245
Ion Ratio Lower Upper
43 100
72 25.7 19.7 29.5



#29
Tetrahydrofuran
Concen: 0.706 ug/l
RT: 7.699 min Scan# 2129
Delta R.T. 0.010 min
Lab File: VN067671.D
Acq: 8 Jul 2021 18:21

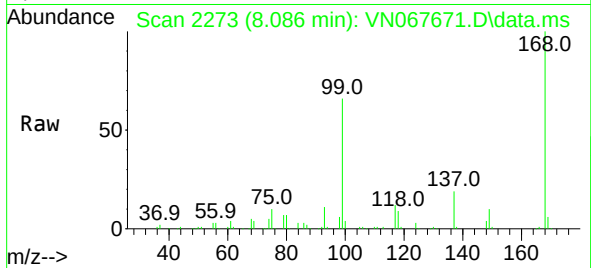
Tgt Ion: 42 Resp: 1259
Ion Ratio Lower Upper
42 100
72 68.7 32.8 49.2#
71 68.6 31.2 46.8#



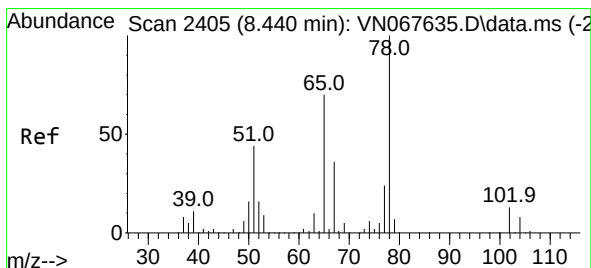
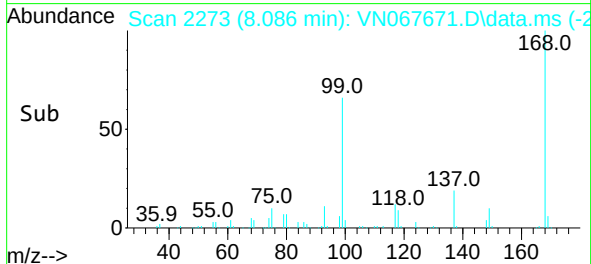
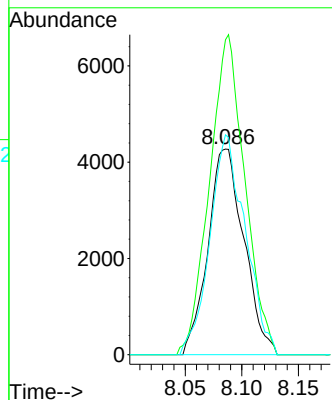


#31
Cyclohexane
Concen: 1.299 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN067671.D
Acq: 8 Jul 2021 18:21

Instrument :
MSVOA_N
ClientSampled :

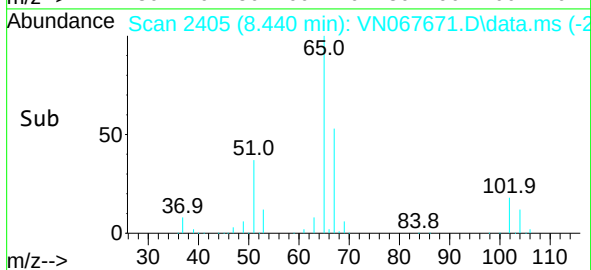
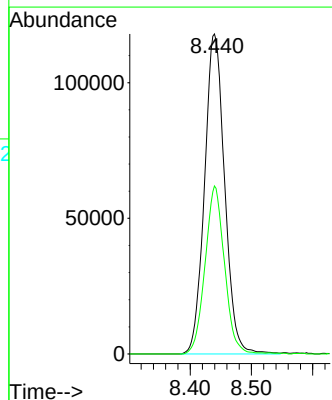
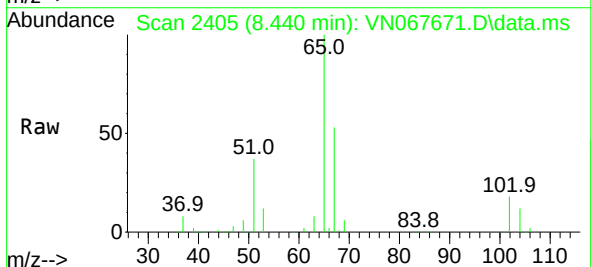


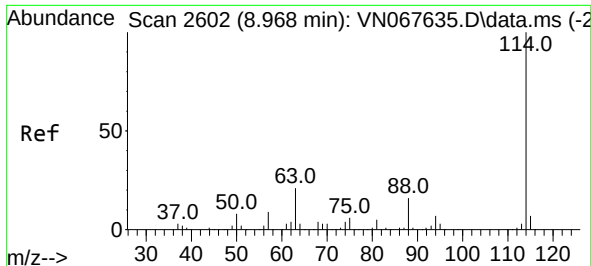
Tgt Ion: 56 Resp: 9446
Ion Ratio Lower Upper
56 100
69 153.1 27.3 40.9#
84 107.0 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 51.965 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067671.D
Acq: 8 Jul 2021 18:21

Tgt Ion: 65 Resp: 269573
Ion Ratio Lower Upper
65 100
67 50.6 0.0 98.6

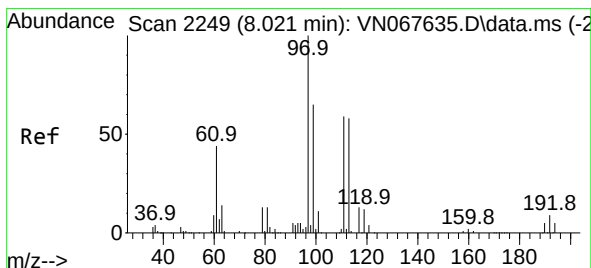
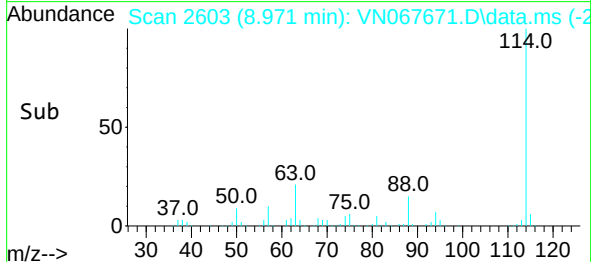
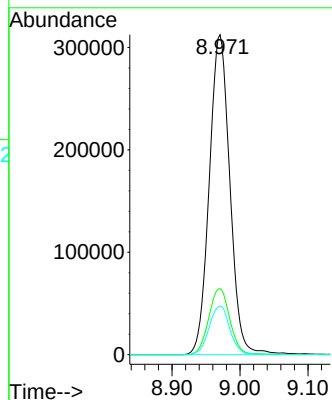
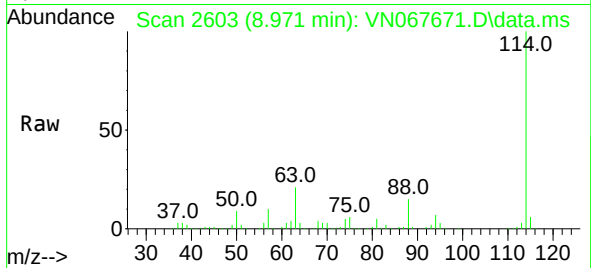




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067671.D
Acq: 8 Jul 2021 18:21

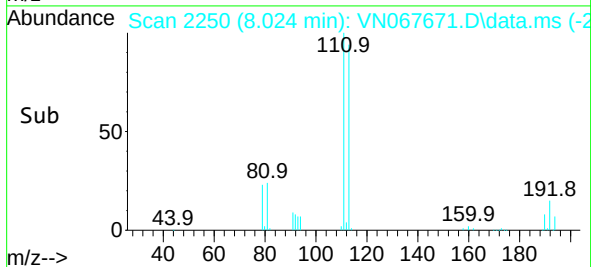
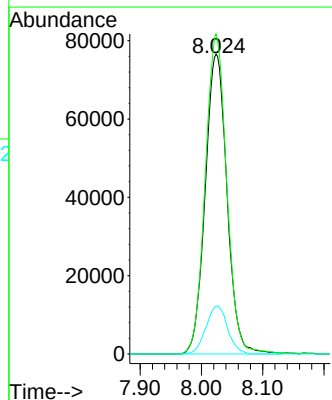
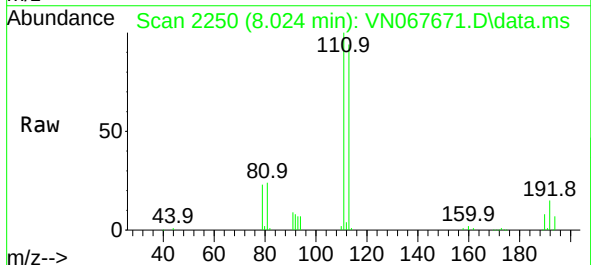
Instrument :
MSVOA_N
ClientSampled :

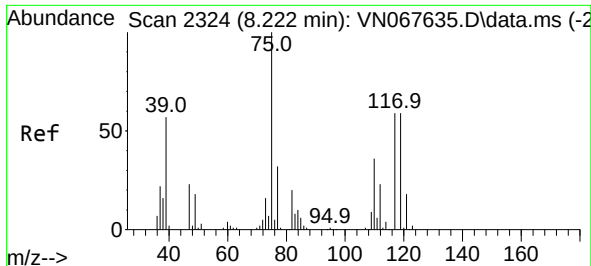
Tgt Ion:114 Resp: 657384
Ion Ratio Lower Upper
114 100
63 20.7 0.0 49.0
88 15.2 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.700 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN067671.D
Acq: 8 Jul 2021 18:21

Tgt Ion:113 Resp: 189451
Ion Ratio Lower Upper
113 100
111 105.1 83.8 125.8
192 15.8 13.4 20.0





#36

1,1-Dichloropropene

Concen: 5.181 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. -0.134 min

Lab File: VN067671.D

Acq: 8 Jul 2021 18:21

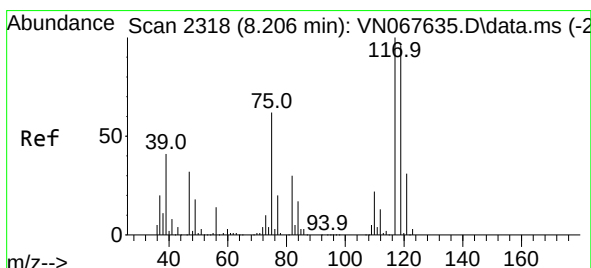
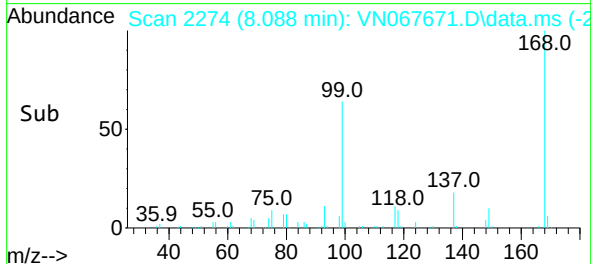
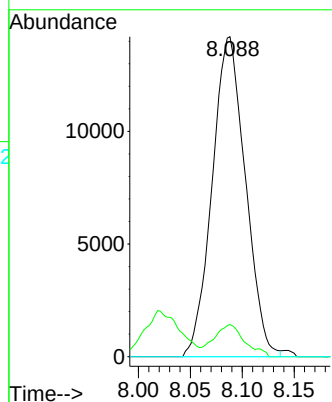
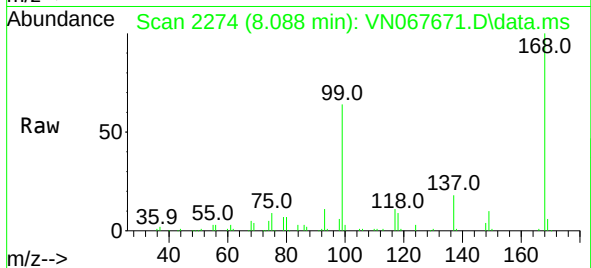
Tgt Ion: 75 Resp: 31636

Ion Ratio Lower Upper

75 100

110 9.1 15.7 47.0#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 6.418 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.120 min

Lab File: VN067671.D

Acq: 8 Jul 2021 18:21

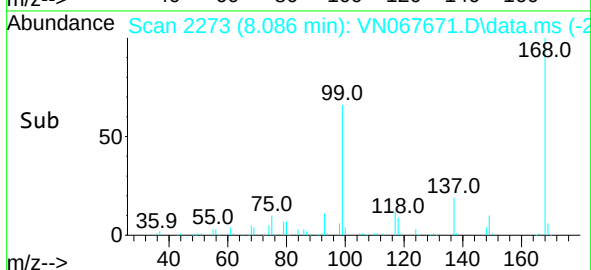
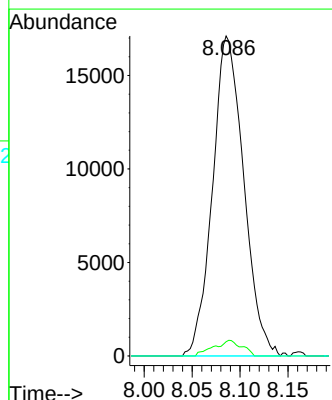
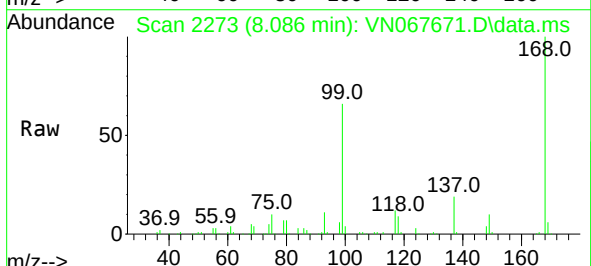
Tgt Ion: 117 Resp: 38656

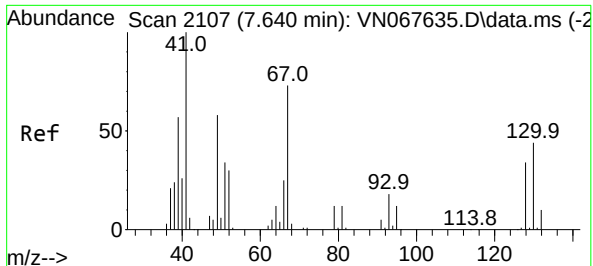
Ion Ratio Lower Upper

117 100

119 4.5 75.4 113.2#

121 0.0 23.5 35.3#

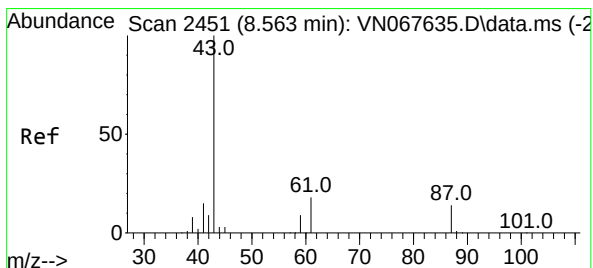
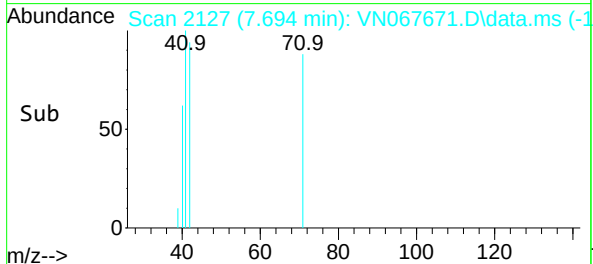
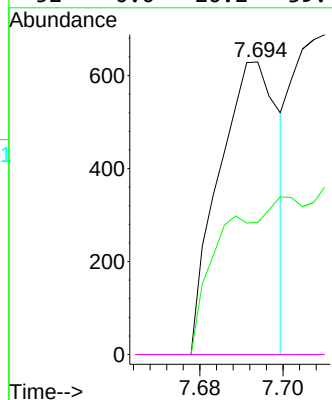
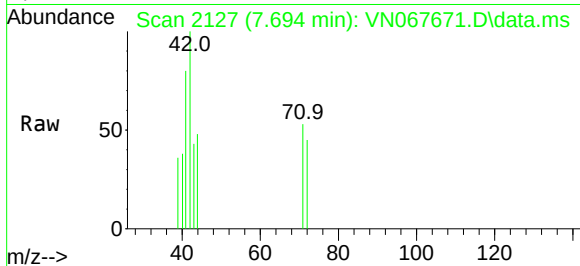




#41
Methacrylonitrile
Concen: 0.205 ug/l
RT: 7.694 min Scan# 2127
Delta R.T. 0.054 min
Lab File: VN067671.D
Acq: 8 Jul 2021 18:21

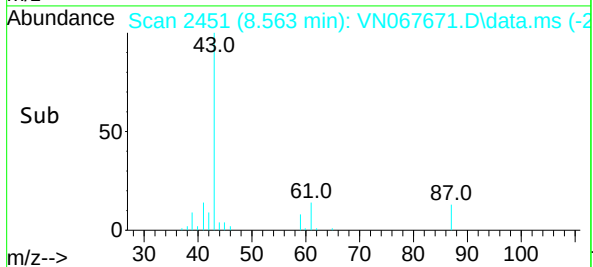
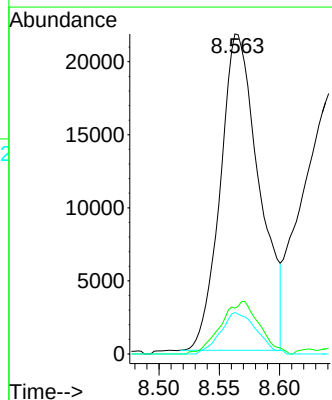
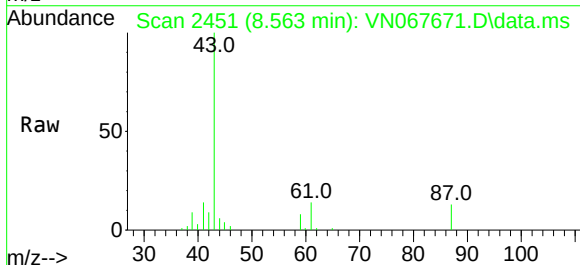
Instrument :
MSVOA_N
ClientSampled :

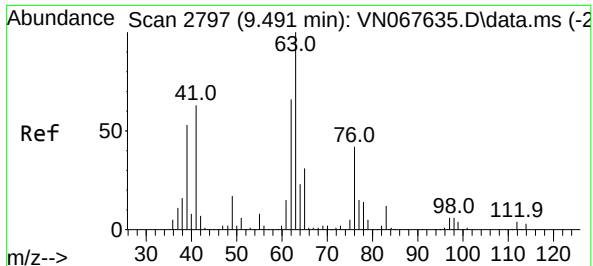
Tgt Ion: 41 Resp: 624
Ion Ratio Lower Upper
41 100
39 72.6 47.6 71.4#
67 0.0 57.7 86.5#
52 0.0 26.2 39.4#



#43
Isopropyl Acetate
Concen: 4.662 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. -0.000 min
Lab File: VN067671.D
Acq: 8 Jul 2021 18:21

Tgt Ion: 43 Resp: 48526
Ion Ratio Lower Upper
43 100
61 16.5 19.0 28.4#
87 12.1 9.5 14.3

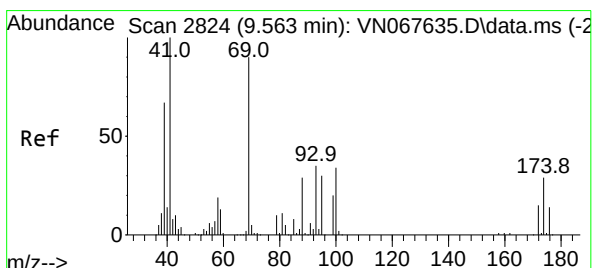
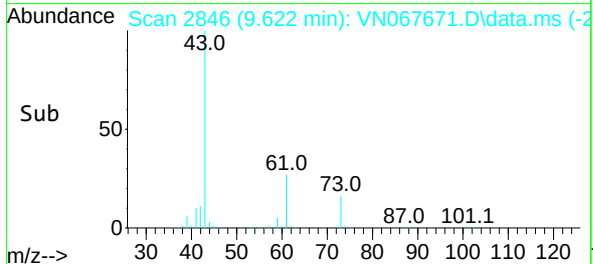
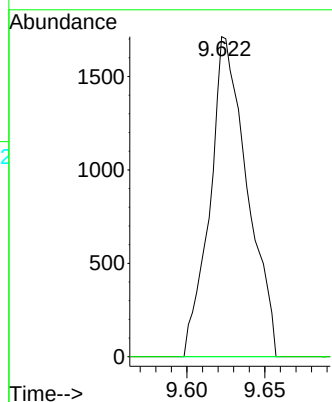
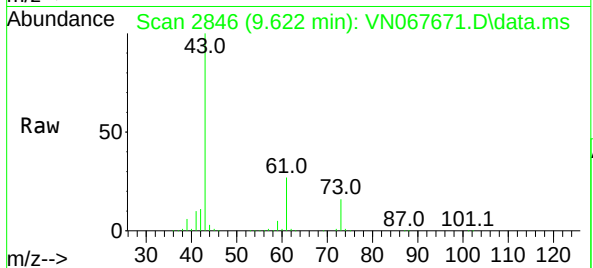




#45
1,2-Dichloropropane
Concen: 0.617 ug/l
RT: 9.622 min Scan# 2846
Delta R.T. 0.131 min
Lab File: VN067671.D
Acq: 8 Jul 2021 18:21

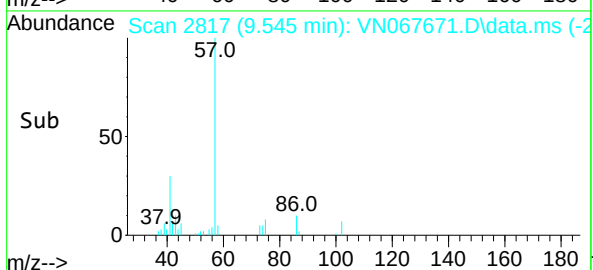
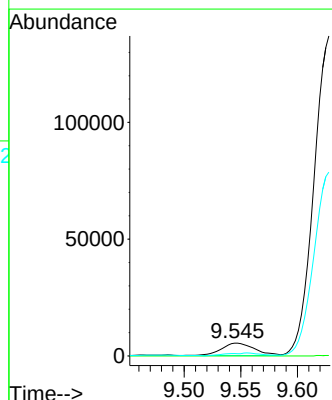
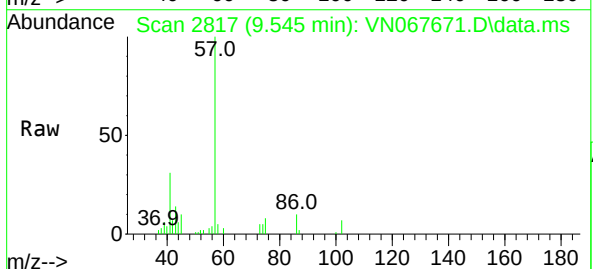
Instrument :
MSVOA_N
ClientSampled :

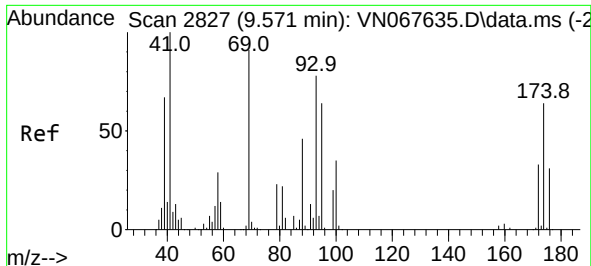
Tgt Ion: 63 Resp: 2856
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#



#48
Methyl methacrylate
Concen: 2.329 ug/l
RT: 9.545 min Scan# 2817
Delta R.T. -0.018 min
Lab File: VN067671.D
Acq: 8 Jul 2021 18:21

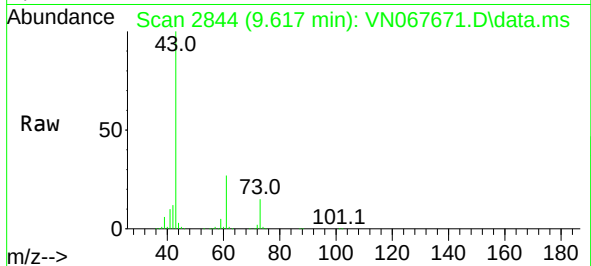
Tgt Ion: 41 Resp: 10723
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#



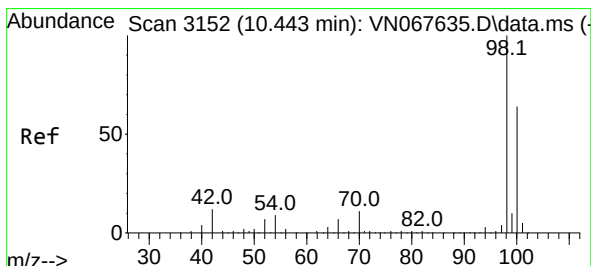
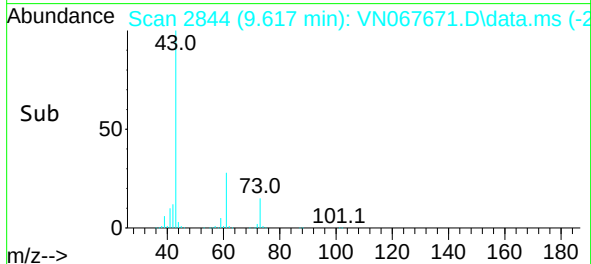
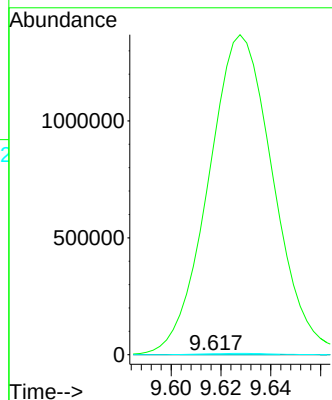


#49
1,4-Dioxane
Concen: 36.149 ug/l
RT: 9.617 min Scan# 2844
Delta R.T. 0.046 min
Lab File: VN067671.D
Acq: 8 Jul 2021 18:21

Instrument :
MSVOA_N
ClientSampled :

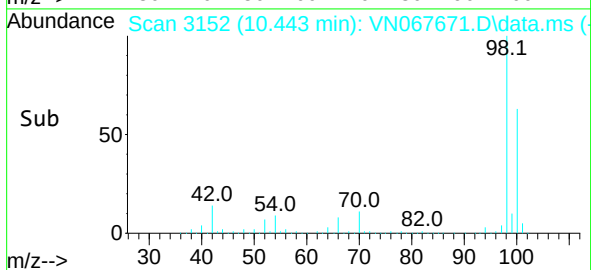
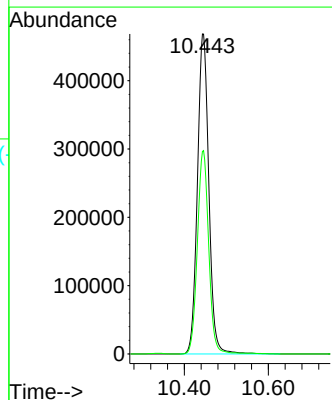
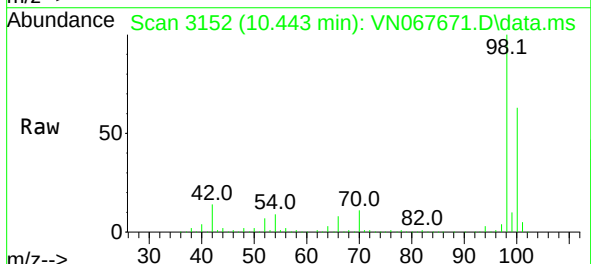


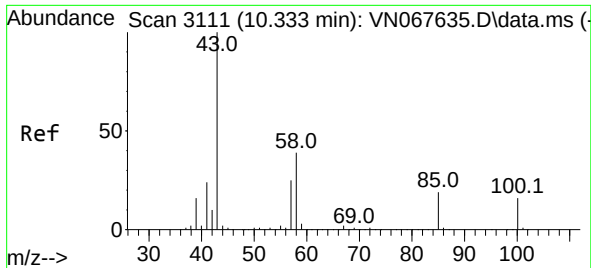
Tgt Ion: 88 Resp: 380
Ion Ratio Lower Upper
88 100
43 666101.8 28.8 43.2#
58 2801.1 60.4 90.6#



#50
Toluene-d8
Concen: 53.294 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN067671.D
Acq: 8 Jul 2021 18:21

Tgt Ion: 98 Resp: 885994
Ion Ratio Lower Upper
98 100
100 63.2 51.7 77.5

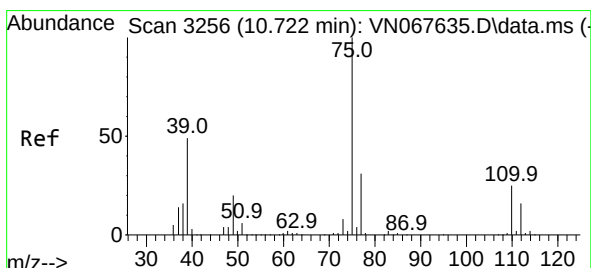
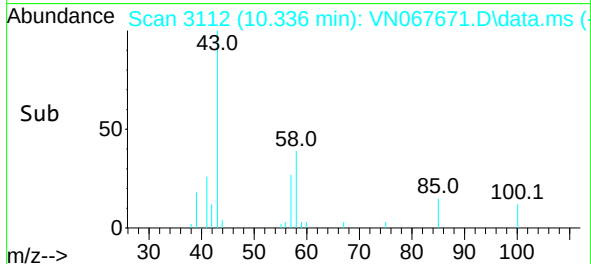
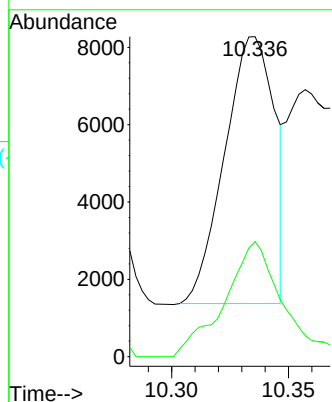
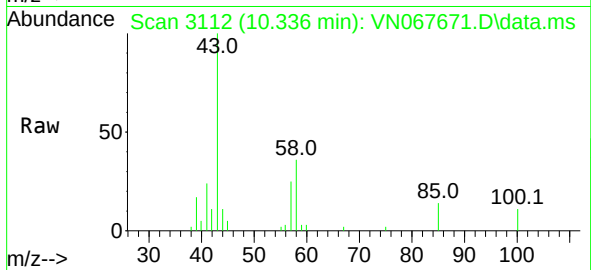




#51
4-Methyl-2-Pentanone
Concen: 1.602 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN067671.D
Acq: 8 Jul 2021 18:21

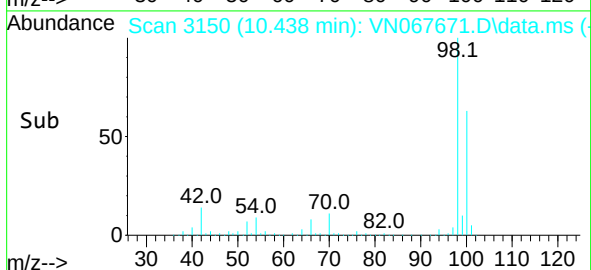
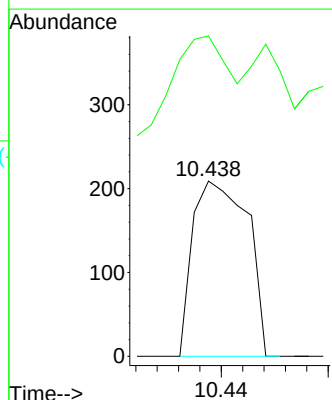
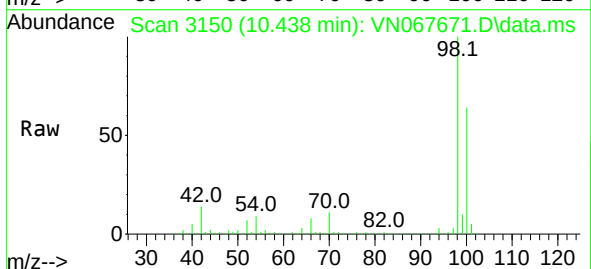
Instrument :
MSVOA_N
ClientSampled :

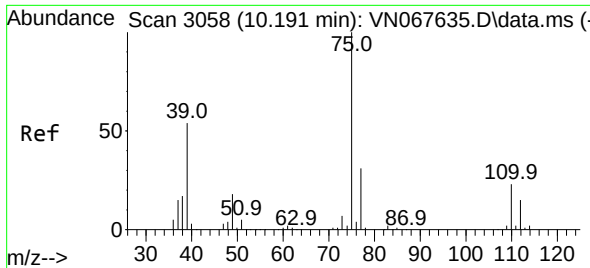
Tgt Ion: 43 Resp: 10241
Ion Ratio Lower Upper
43 100
58 49.6 28.6 43.0#



#53
t-1,3-Dichloropropene
Concen: 1.763 ug/l
RT: 10.438 min Scan# 3150
Delta R.T. -0.284 min
Lab File: VN067671.D
Acq: 8 Jul 2021 18:21

Tgt Ion: 75 Resp: 149
Ion Ratio Lower Upper
75 100
77 20.1 25.1 37.7#

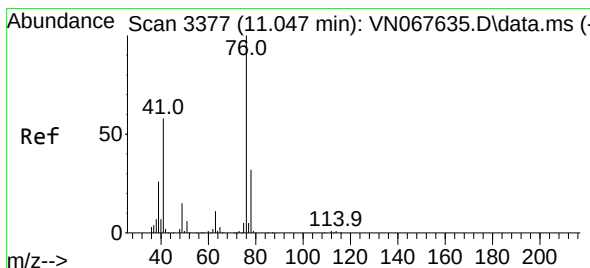
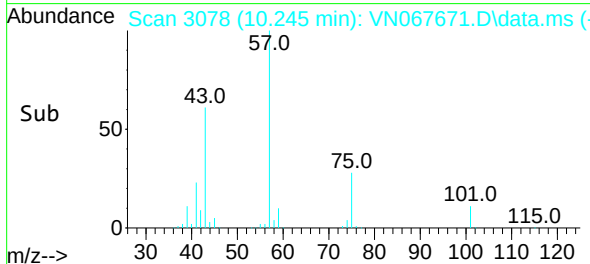
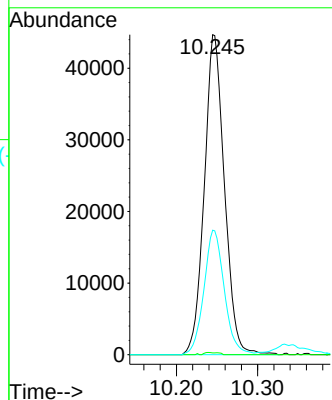
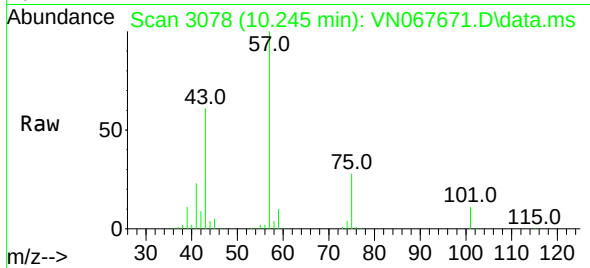




#54
 cis-1,3-Dichloropropene
 Concen: 10.775 ug/l
 RT: 10.245 min Scan# 3078
 Delta R.T. 0.053 min
 Lab File: VN067671.D
 Acq: 8 Jul 2021 18:21

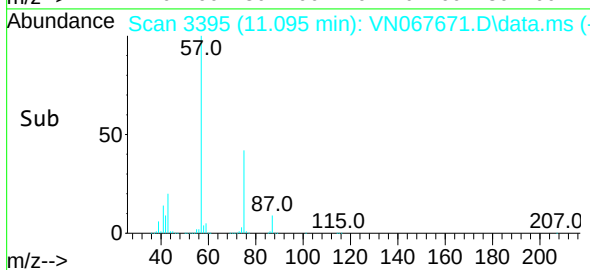
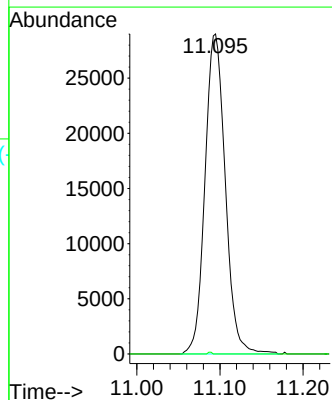
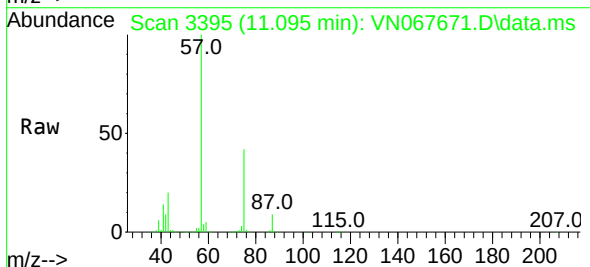
Instrument :
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 ClientSampleId :

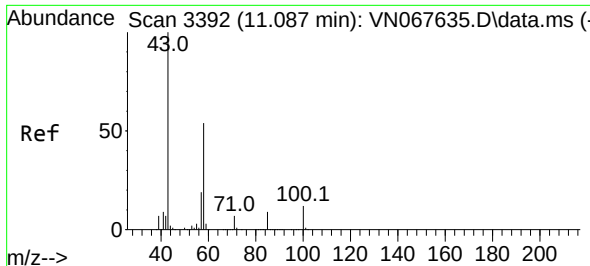
Tgt Ion: 75 Resp: 76928
 Ion Ratio Lower Upper
 75 100
 77 0.5 24.6 37.0#
 39 38.9 50.7 76.1#



#57
 1,3-Dichloropropane
 Concen: 6.242 ug/l
 RT: 11.095 min Scan# 3395
 Delta R.T. 0.048 min
 Lab File: VN067671.D
 Acq: 8 Jul 2021 18:21

Tgt Ion: 76 Resp: 49115
 Ion Ratio Lower Upper
 76 100
 78 0.1 25.7 38.5#

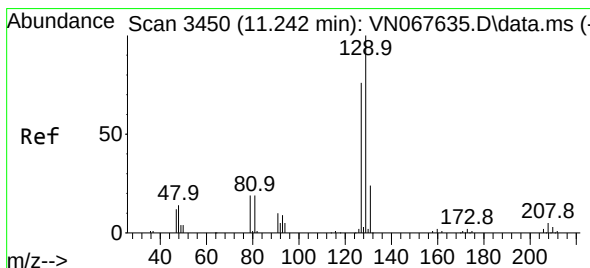
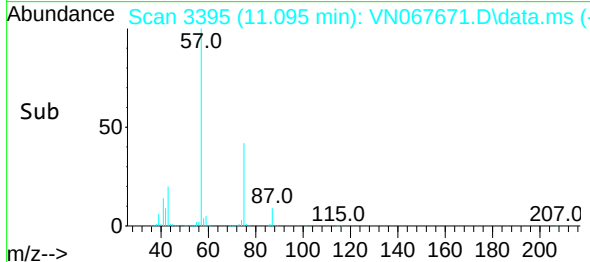
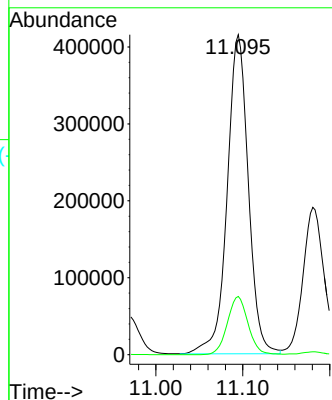
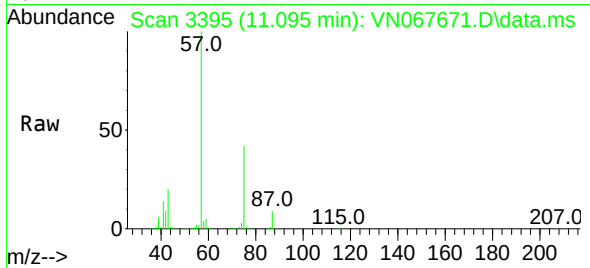




#59
2-Hexanone
Concen: 157.316 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN067671.D
Acq: 8 Jul 2021 18:21

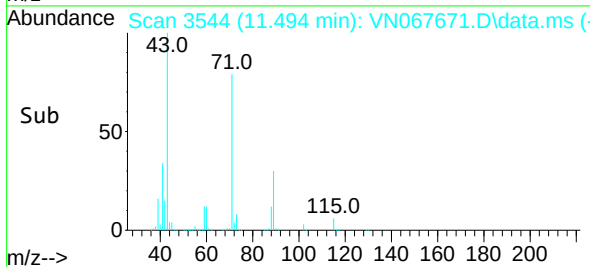
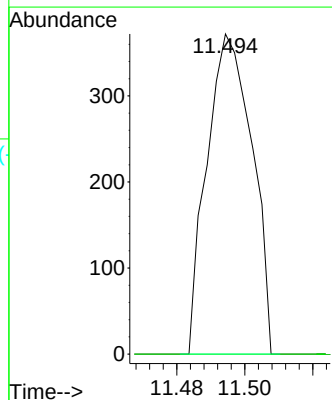
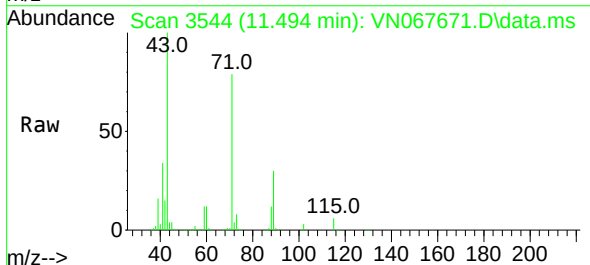
Instrument :
MSVOA_N
ClientSampled :

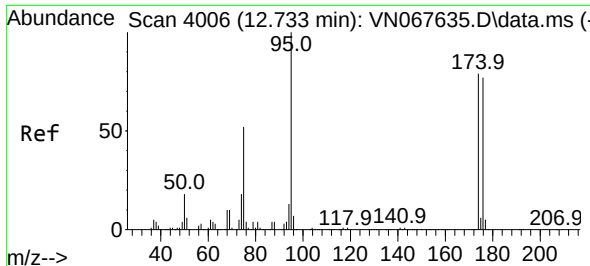
Tgt Ion: 43 Resp: 702111
Ion Ratio Lower Upper
43 100
58 17.9 24.7 74.1#



#60
Dibromochloromethane
Concen: 2.415 ug/l
RT: 11.494 min Scan# 3544
Delta R.T. 0.252 min
Lab File: VN067671.D
Acq: 8 Jul 2021 18:21

Tgt Ion:129 Resp: 342
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#

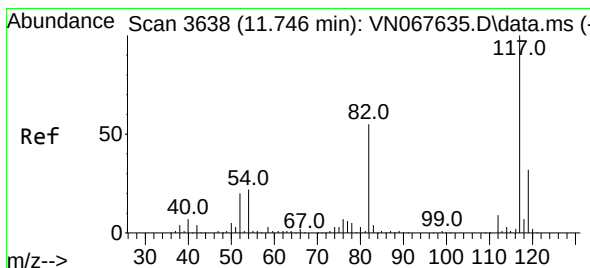
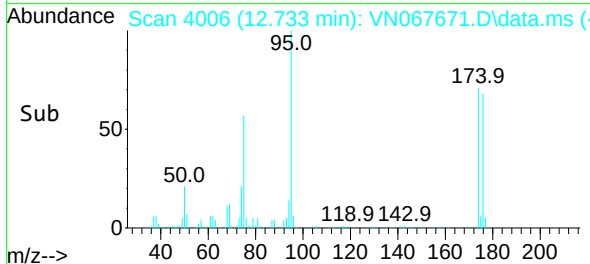
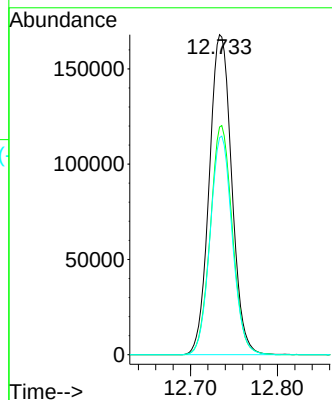
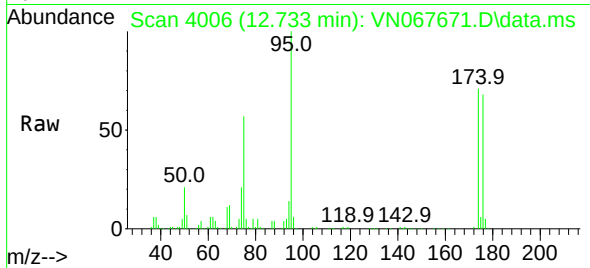




#62
4-Bromofluorobenzene
Concen: 51.356 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067671.D
Acq: 8 Jul 2021 18:21

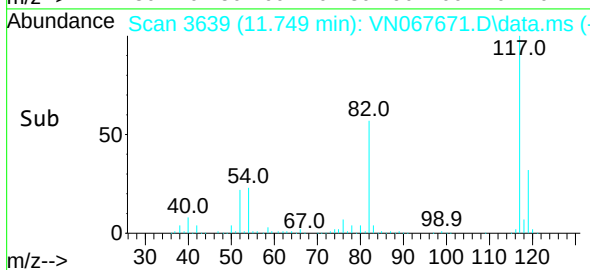
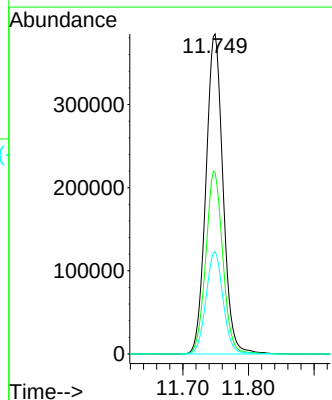
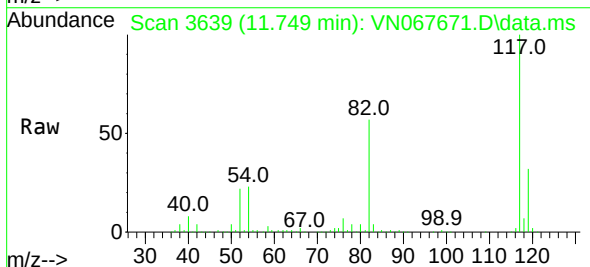
Instrument :
MSVOA_N
ClientSampleId :

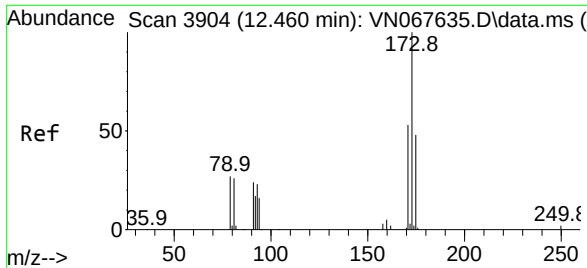
Tgt Ion: 95 Resp: 301606
Ion Ratio Lower Upper
95 100
174 70.4 0.0 122.0
176 67.4 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067671.D
Acq: 8 Jul 2021 18:21

Tgt Ion: 117 Resp: 696288
Ion Ratio Lower Upper
117 100
82 56.7 53.1 79.7
119 32.0 25.5 38.3

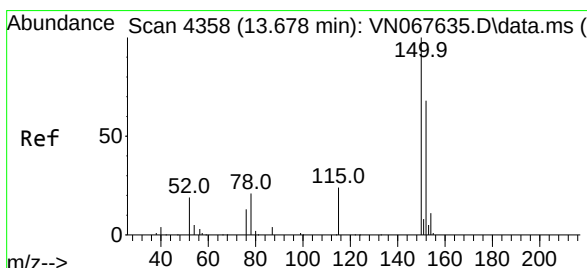
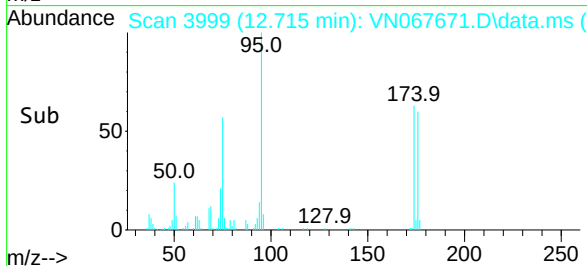
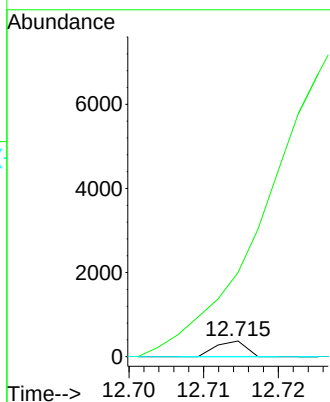
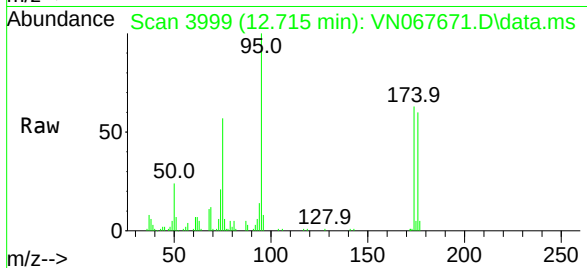




#71
Bromoform
Concen: 3.198 ug/l
RT: 12.715 min Scan# 3999
Delta R.T. 0.255 min
Lab File: VN067671.D
Acq: 8 Jul 2021 18:21

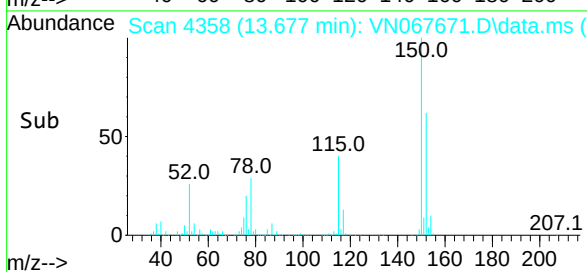
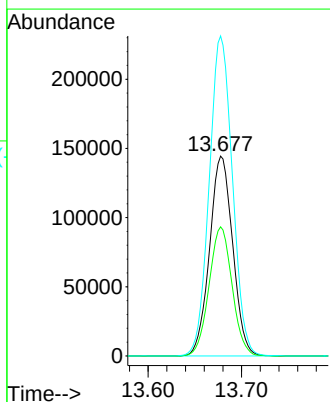
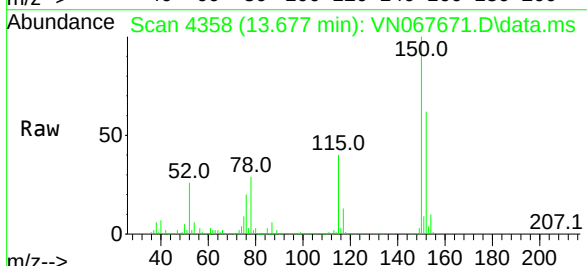
Instrument :
MSVOA_N
ClientSampleId :

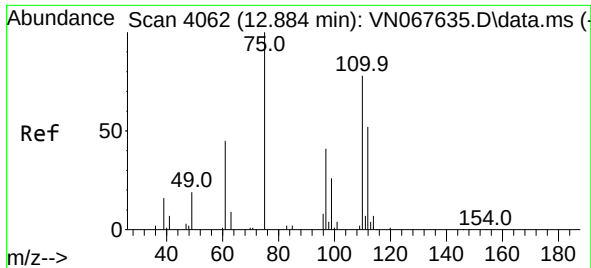
Tgt Ion:173 Resp: 105
Ion Ratio Lower Upper
173 100
175 0.0 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. -0.000 min
Lab File: VN067671.D
Acq: 8 Jul 2021 18:21

Tgt Ion:152 Resp: 249025
Ion Ratio Lower Upper
152 100
115 64.2 36.1 108.5
150 160.4 0.0 351.8

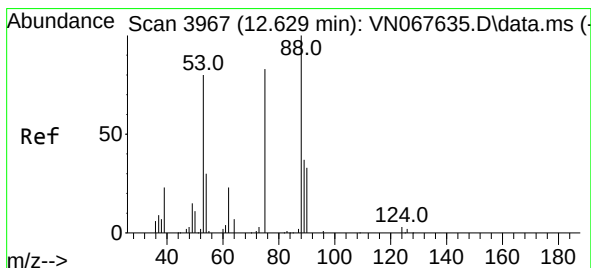
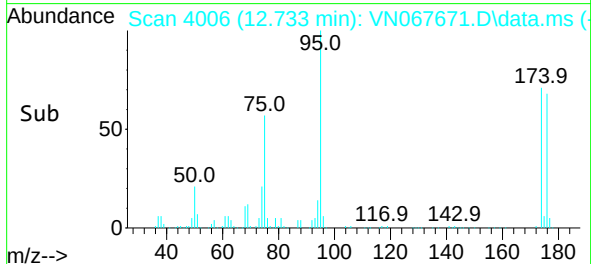
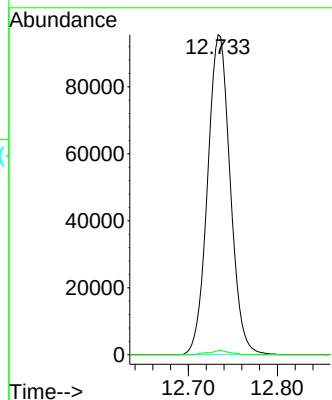
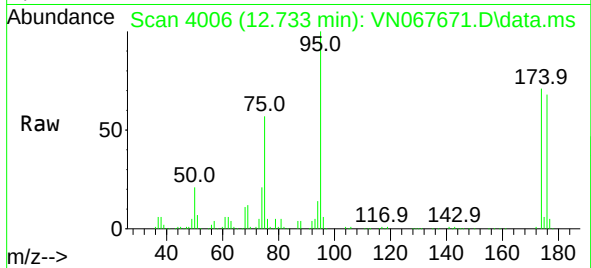




#76
1,2,3-Trichloropropane
Concen: 33.151 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN067671.D
Acq: 8 Jul 2021 18:21

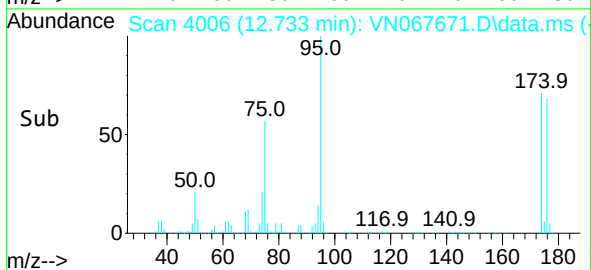
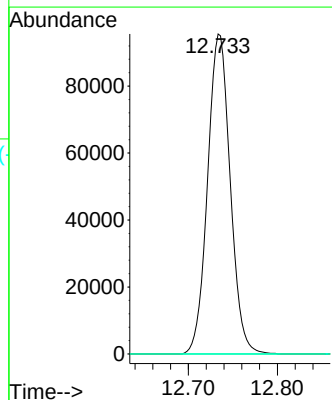
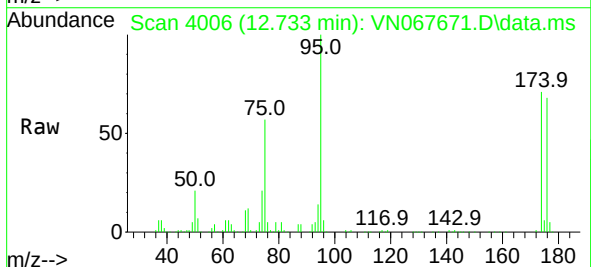
Instrument :
MSVOA_N
ClientSampled :

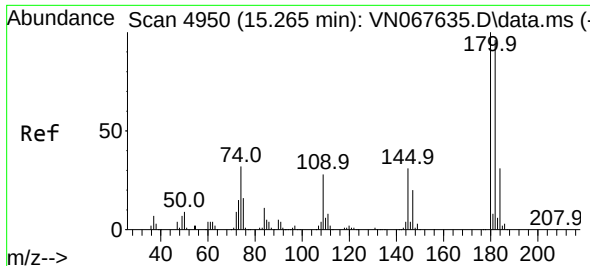
Tgt Ion: 75 Resp: 168592
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 106.883 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN067671.D
Acq: 8 Jul 2021 18:21

Tgt Ion: 75 Resp: 168592
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#

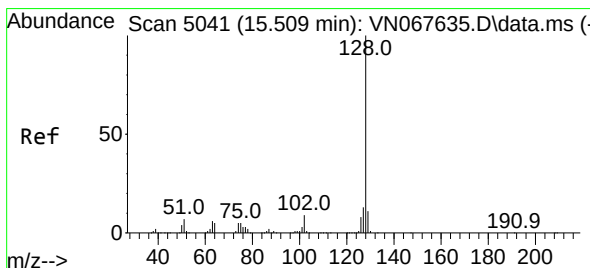
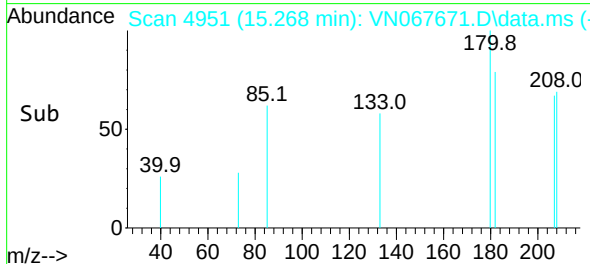
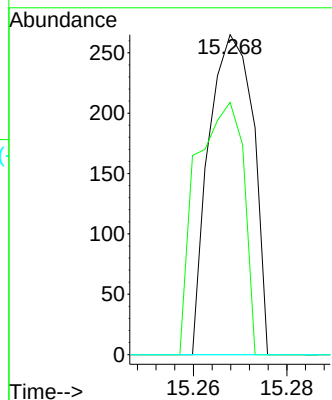
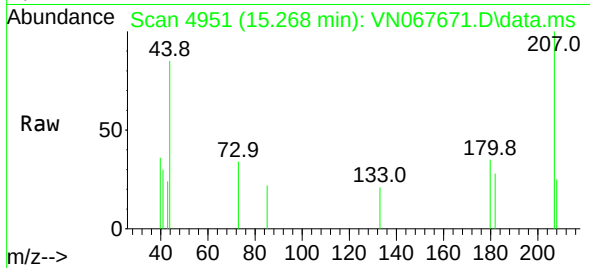




#93
1,2,4-Trichlorobenzene
Concen: 2.714 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN067671.D
Acq: 8 Jul 2021 18:21

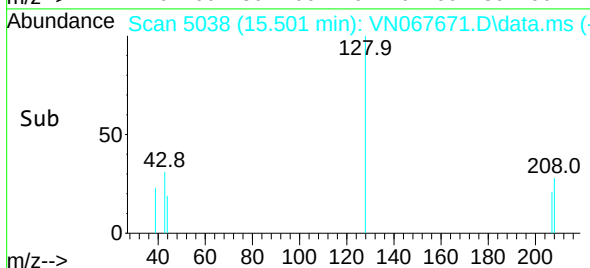
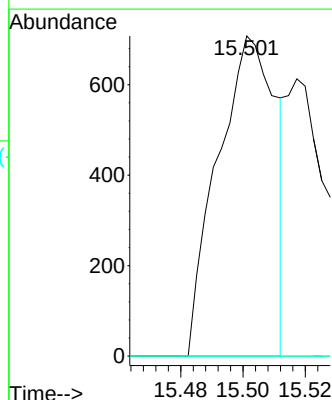
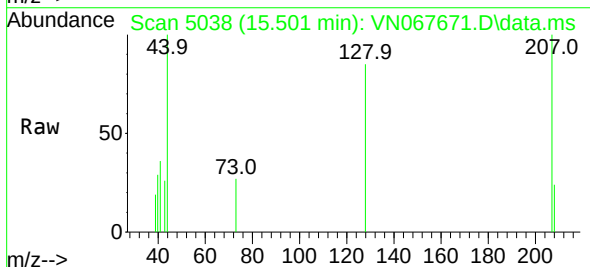
Instrument :
MSVOA_N
ClientSampled :

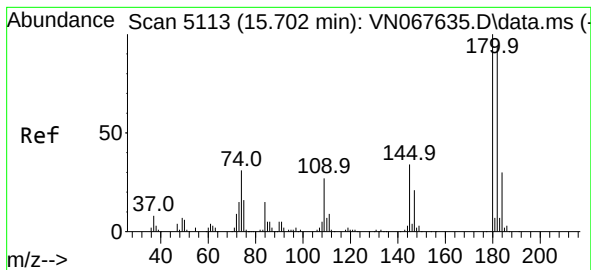
Tgt Ion:180 Resp: 175
Ion Ratio Lower Upper
180 100
182 84.0 47.5 142.5
145 0.0 17.2 51.6#



#95
Naphthalene
Concen: 3.083 ug/l
RT: 15.501 min Scan# 5038
Delta R.T. -0.008 min
Lab File: VN067671.D
Acq: 8 Jul 2021 18:21

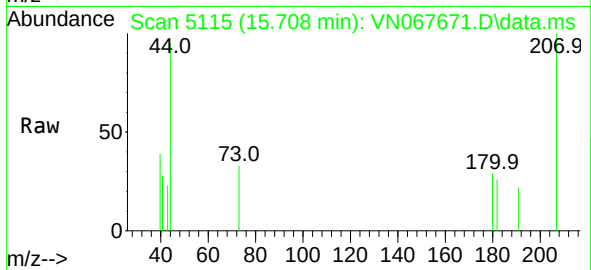
Tgt Ion:128 Resp: 914
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.675 ug/l
 RT: 15.708 min Scan# 5115
 Delta R.T. 0.006 min
 Lab File: VN067671.D
 Acq: 8 Jul 2021 18:21

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 177
 Ion Ratio Lower Upper
 180 100
 182 120.3 47.8 143.3
 145 0.0 18.2 54.6#

