

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070721\
 Data File : VN067647.D
 Acq On : 7 Jul 2021 20:48
 Operator : JC/MD
 Sample : M2733-19
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 08 06:10:33 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)

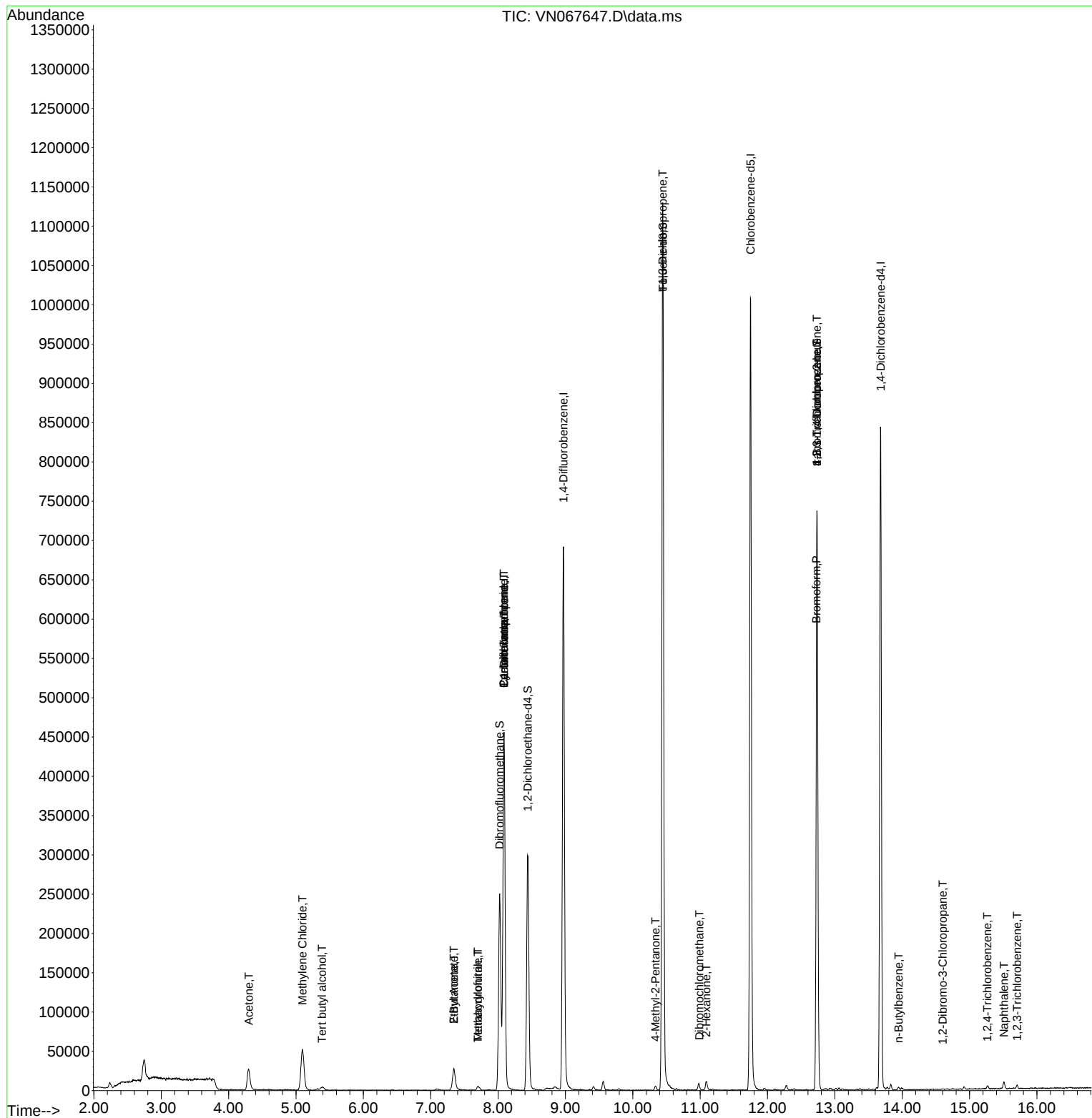
Internal Standards						
1) Pentafluorobenzene	8.088	168	324091	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	595729	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	573281	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.680	152	217652	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	254673	51.995	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 104.000%			
35) Dibromofluoromethane	8.024	113	177107	49.207	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 98.420%			
50) Toluene-d8	10.446	98	780119	51.782	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.560%			
62) 4-Bromofluorobenzene	12.733	95	254077	47.741	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 95.480%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.802	94	133	Below Cal	#	72
6) Chloroethane	3.043	64	89	Below Cal	#	44
7) Trichlorofluoromethane	3.371	101	25	Below Cal	#	31
11) Tert butyl alcohol	5.385	59	3257	4.627	ug/l #	79
13) Acrolein	4.044	56	314	Below Cal	#	34
16) Acetone	4.299	43	50972	33.073	ug/l	97
20) Methylene Chloride	5.095	84	41335	10.945	ug/l	94
25) 2-Butanone	7.343	43	36771	14.368	ug/l	100
29) Tetrahydrofuran	7.699	42	3689	2.192	ug/l	97
31) Cyclohexane	8.088	56	9519	1.386	ug/l #	35
36) 1,1-Dichloropropene	8.088	75	30207	5.459	ug/l #	53
37) Ethyl Acetate	7.343	43	36771	6.858	ug/l #	69
38) Carbon Tetrachloride	8.088	117	36587	6.703	ug/l #	16
41) Methacrylonitrile	7.702	41	2822	1.024	ug/l #	43
51) 4-Methyl-2-Pentanone	10.338	43	4172	0.720	ug/l	93
53) t-1,3-Dichloropropene	10.443	75	283	1.784	ug/l #	40
59) 2-Hexanone	11.089	43	9542	2.359	ug/l	95
60) Dibromochloromethane	10.987	129	29	2.362	ug/l #	11
71) Bromoform	12.725	173	708	3.356	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	147823	33.257	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	147823	107.224	ug/l #	6
89) n-Butylbenzene	13.946	91	2430	0.209	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.603	75	292	0.330	ug/l #	16
93) 1,2,4-Trichlorobenzene	15.262	180	1364	3.030	ug/l	97
95) Naphthalene	15.509	128	7671	3.689	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.705	180	1656	3.084	ug/l	91

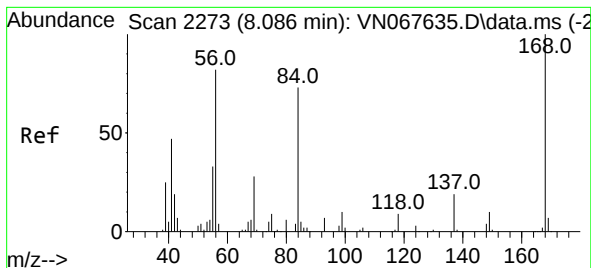
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jul 07 16:18:53 2021
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: VN067647.D

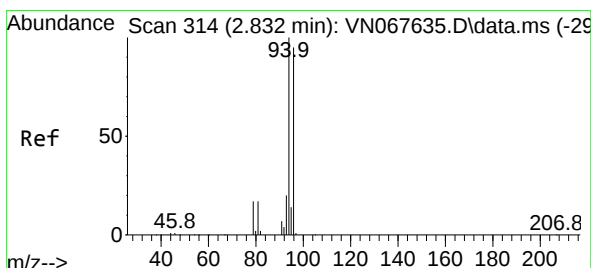
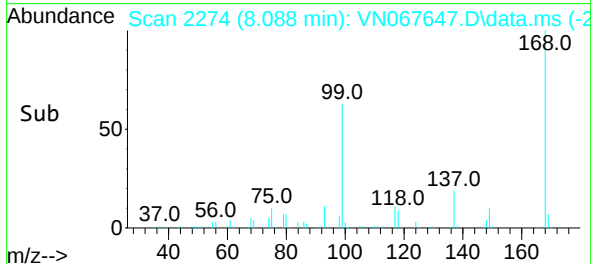
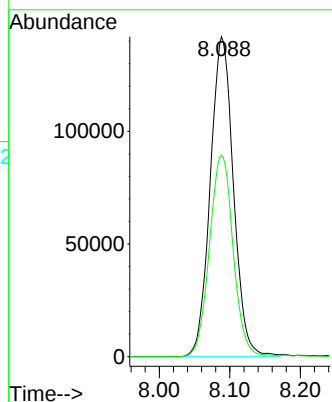
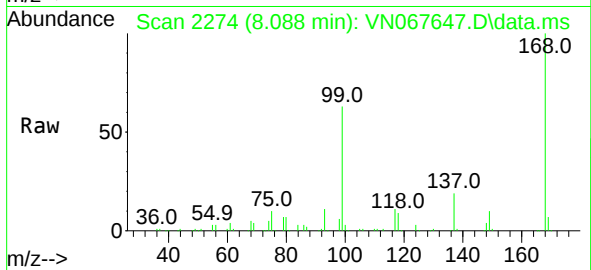
Acq: 7 Jul 2021 20:48

Tgt Ion:168 Resp: 324091

Ion Ratio Lower Upper

168 100

99 63.0 62.9 94.3



#5

Bromomethane

Concen: Below Cal

RT: 2.802 min Scan# 303

Delta R.T. -0.030 min

Lab File: VN067647.D

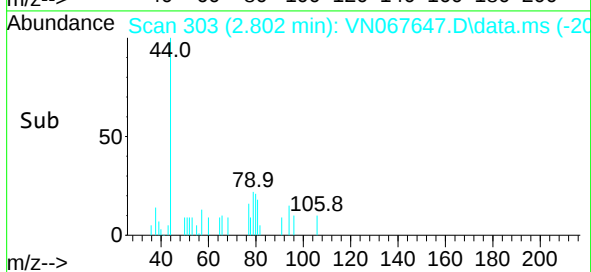
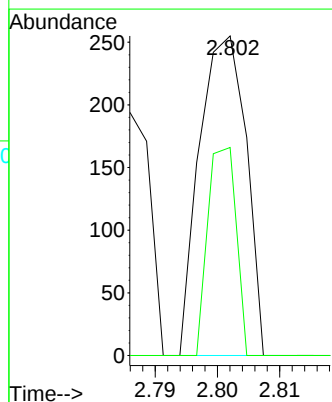
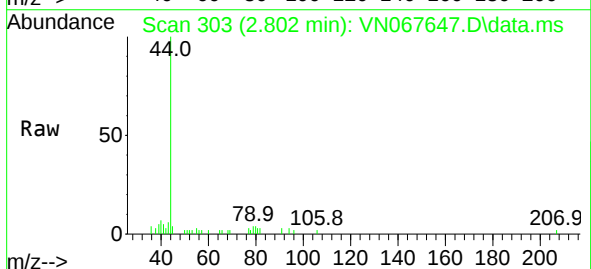
Acq: 7 Jul 2021 20:48

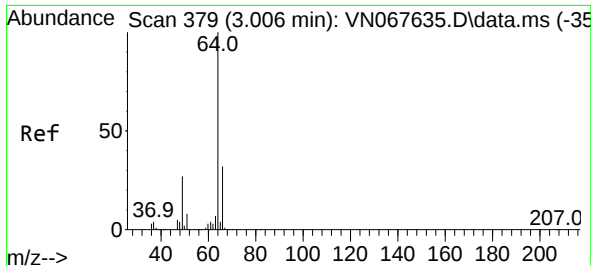
Tgt Ion: 94 Resp: 133

Ion Ratio Lower Upper

94 100

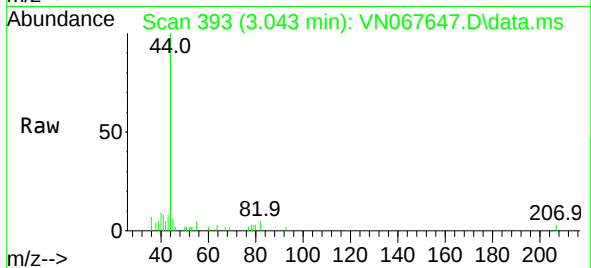
96 65.1 73.7 110.5#



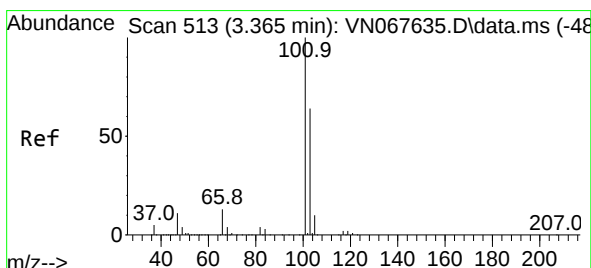
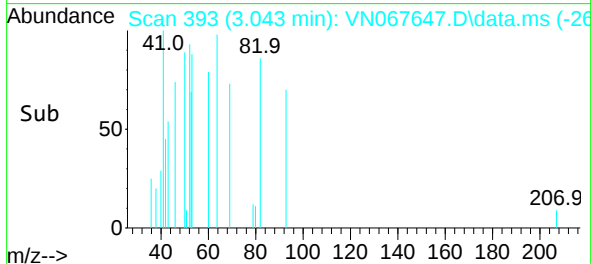
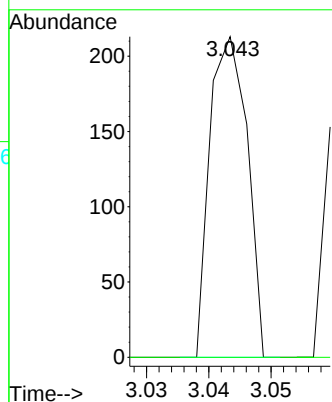


#6
Chloroethane
Concen: Below Cal
RT: 3.043 min Scan# 393
Delta R.T. 0.037 min
Lab File: VN067647.D
Acq: 7 Jul 2021 20:48

Instrument :
MSVOA_N
ClientSampleId :

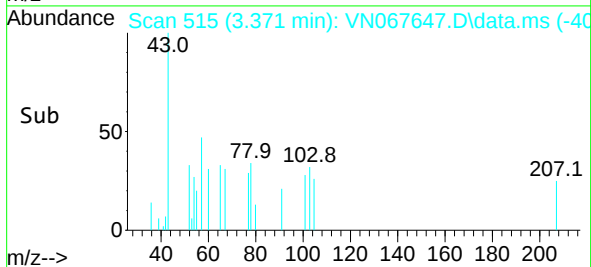
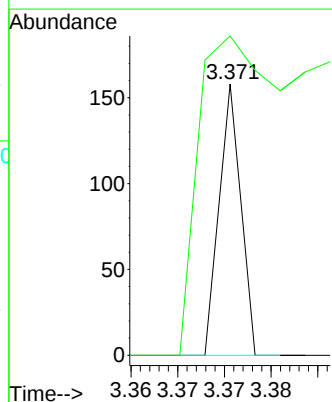
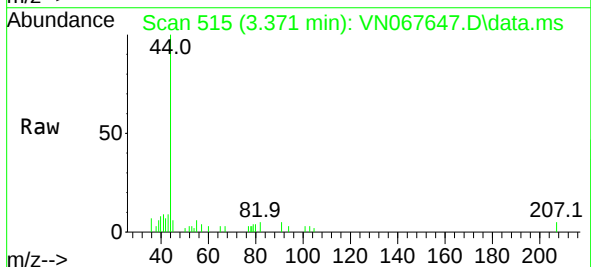


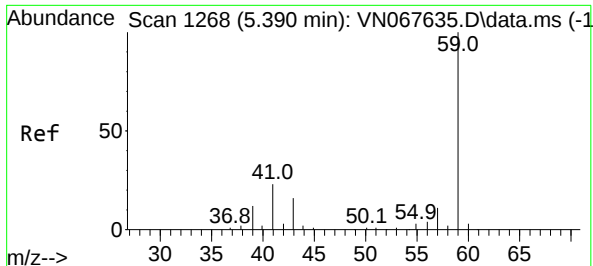
Tgt Ion: 64 Resp: 89
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.371 min Scan# 515
Delta R.T. 0.006 min
Lab File: VN067647.D
Acq: 7 Jul 2021 20:48

Tgt Ion: 101 Resp: 25
Ion Ratio Lower Upper
101 100
103 117.7 51.2 76.8#



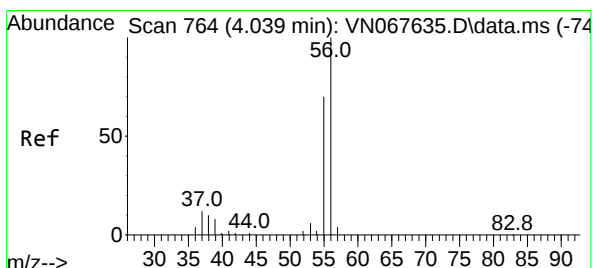
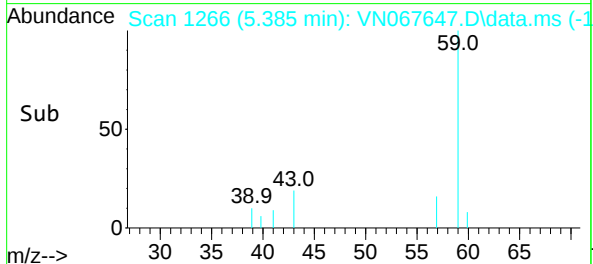
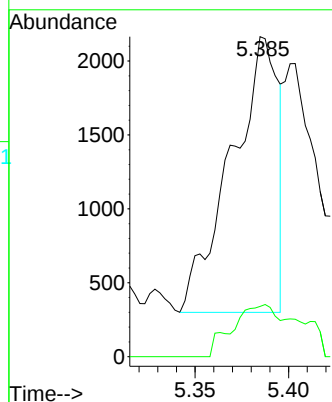
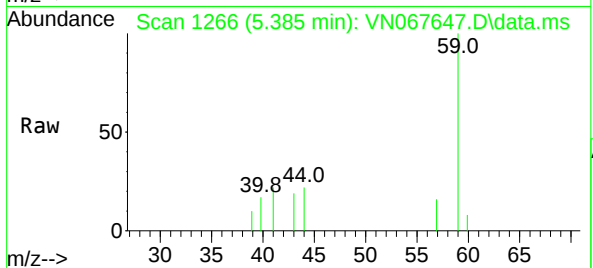


#11

Tert butyl alcohol
Concen: 4.627 ug/l
RT: 5.385 min Scan# 1266
Delta R.T. -0.005 min
Lab File: VN067647.D
Acq: 7 Jul 2021 20:48

Instrument :
MSVOA_N
ClientSampled :

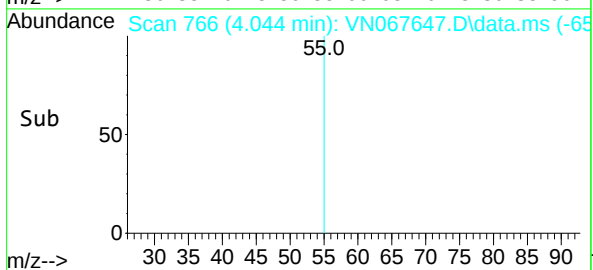
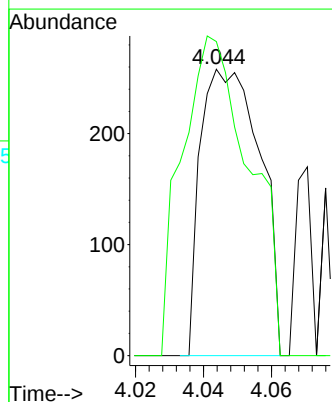
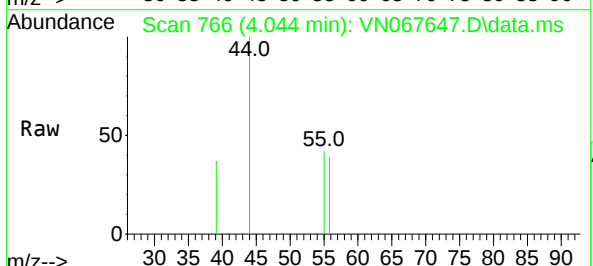
Tgt Ion: 59 Resp: 3257
Ion Ratio Lower Upper
59 100
57 19.0 8.7 13.1#

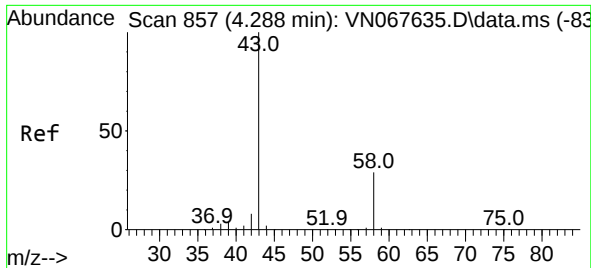


#13

Acrolein
Concen: Below Cal
RT: 4.044 min Scan# 766
Delta R.T. 0.005 min
Lab File: VN067647.D
Acq: 7 Jul 2021 20:48

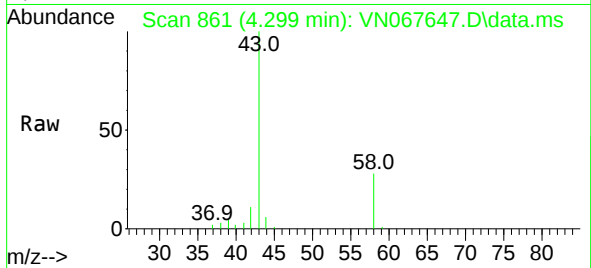
Tgt Ion: 56 Resp: 314
Ion Ratio Lower Upper
56 100
55 126.4 57.4 86.0#



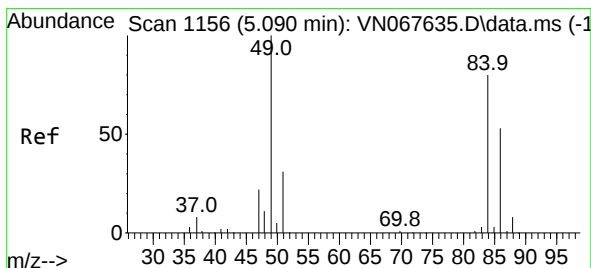
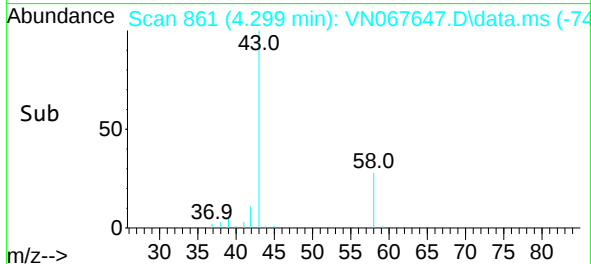
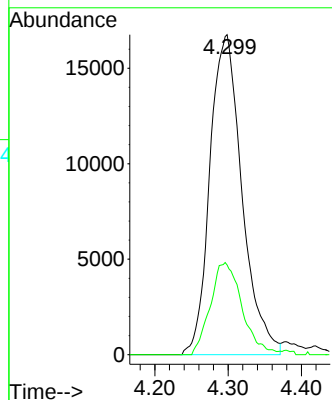


#16
Acetone
Concen: 33.073 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.011 min
Lab File: VN067647.D
Acq: 7 Jul 2021 20:48

Instrument :
MSVOA_N
ClientSampled :

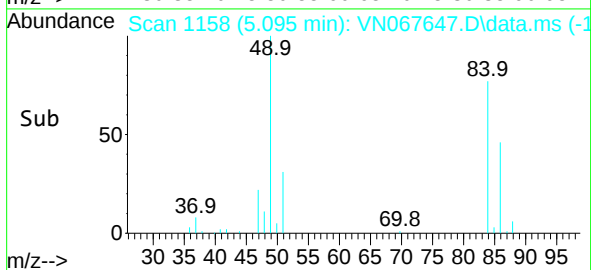
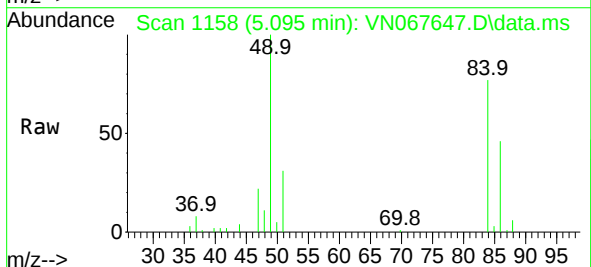
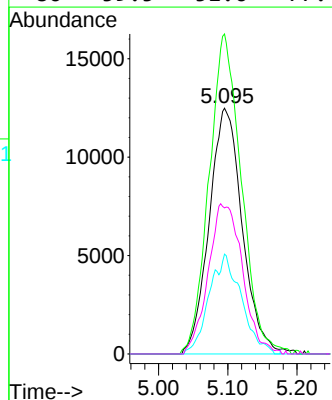


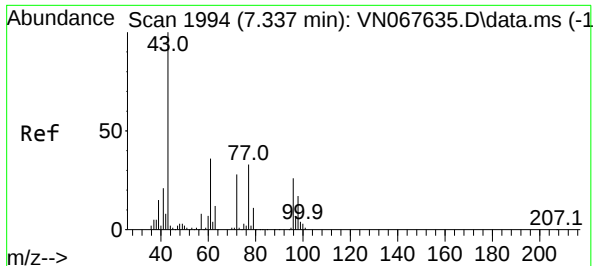
Tgt Ion: 43 Resp: 50972
Ion Ratio Lower Upper
43 100
58 28.0 21.2 31.8



#20
Methylene Chloride
Concen: 10.945 ug/l
RT: 5.095 min Scan# 1158
Delta R.T. 0.005 min
Lab File: VN067647.D
Acq: 7 Jul 2021 20:48

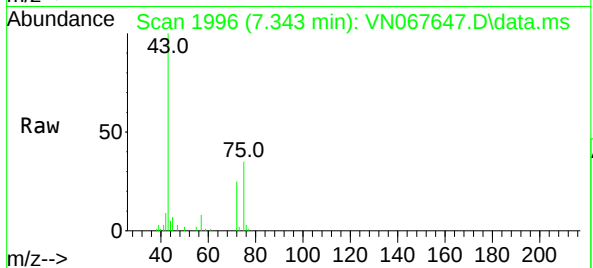
Tgt Ion: 84 Resp: 41335
Ion Ratio Lower Upper
84 100
49 130.2 110.9 166.3
51 40.6 32.6 49.0
86 59.5 51.6 77.4



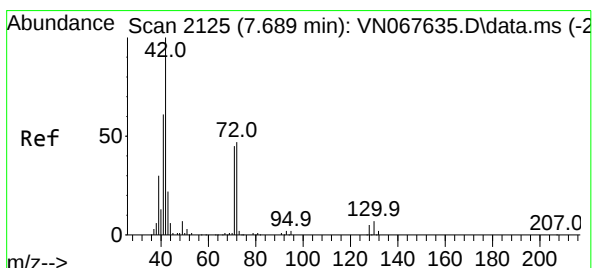
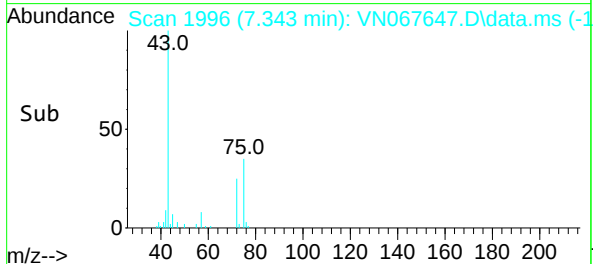
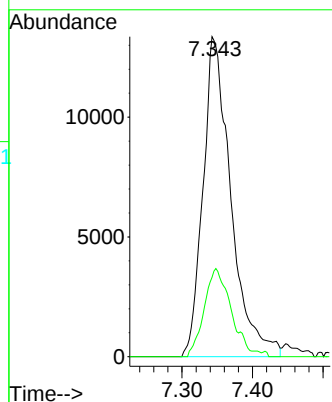


#25
2-Butanone
Concen: 14.368 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. 0.006 min
Lab File: VN067647.D
Acq: 7 Jul 2021 20:48

Instrument :
MSVOA_N
ClientSampled :

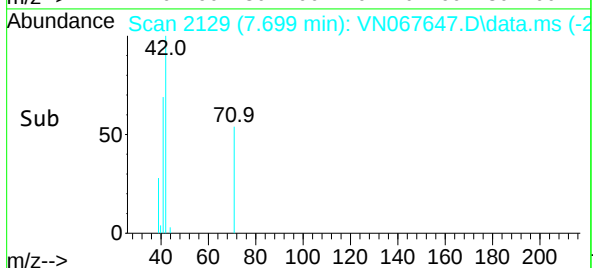
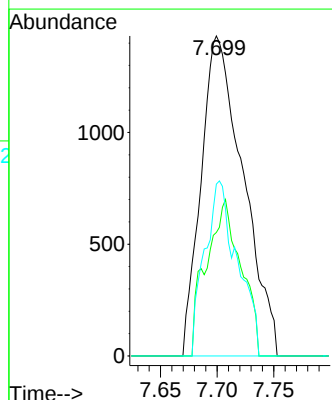
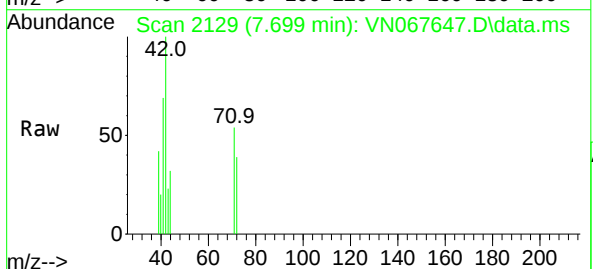


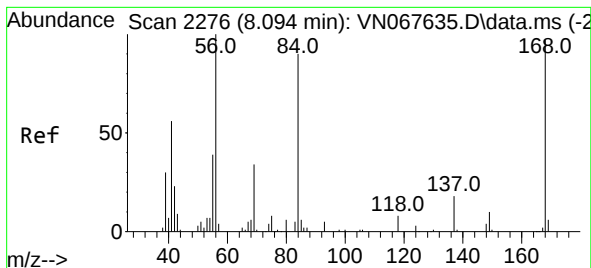
Tgt Ion: 43 Resp: 36771
Ion Ratio Lower Upper
43 100
72 24.8 19.7 29.5



#29
Tetrahydrofuran
Concen: 2.192 ug/l
RT: 7.699 min Scan# 2129
Delta R.T. 0.010 min
Lab File: VN067647.D
Acq: 7 Jul 2021 20:48

Tgt Ion: 42 Resp: 3689
Ion Ratio Lower Upper
42 100
72 40.2 32.8 49.2
71 42.4 31.2 46.8

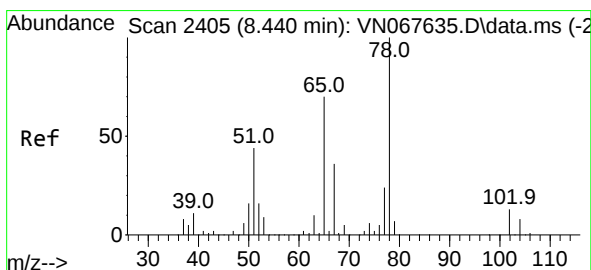
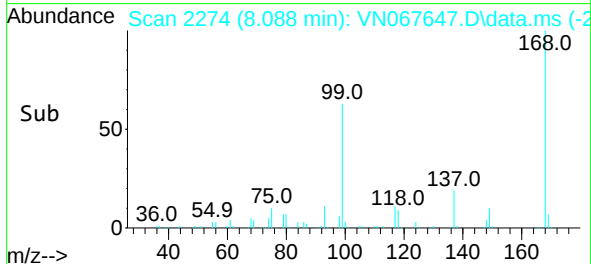
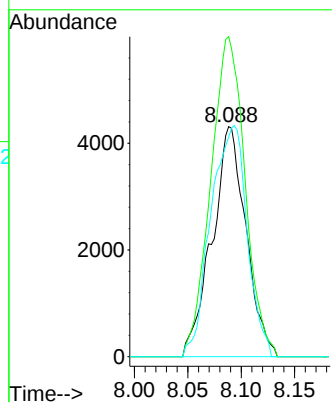
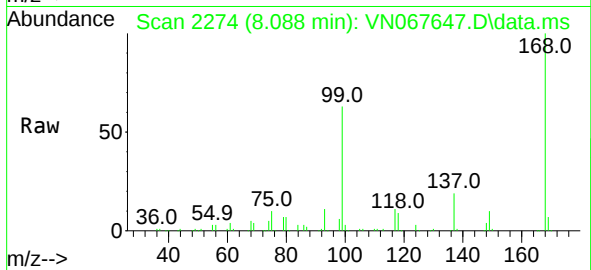




#31
Cyclohexane
Concen: 1.386 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.006 min
Lab File: VN067647.D
Acq: 7 Jul 2021 20:48

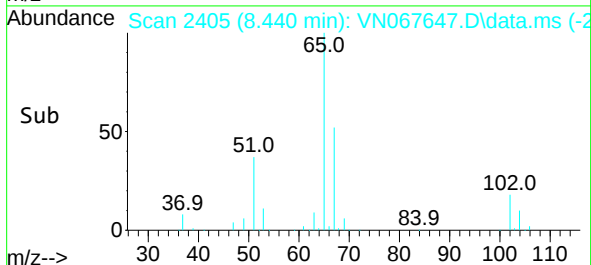
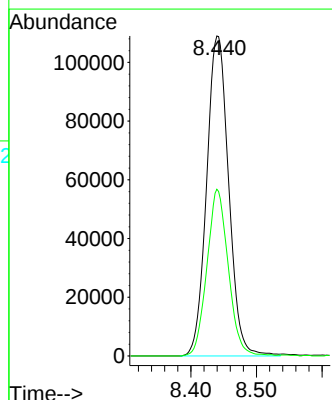
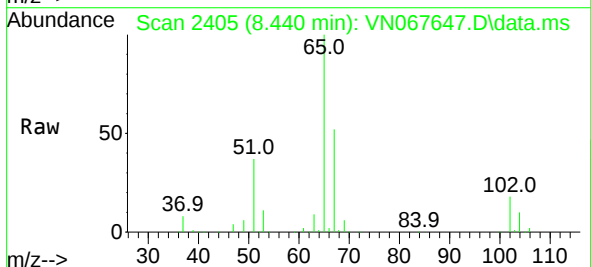
Instrument :
MSVOA_N
ClientSampleId :

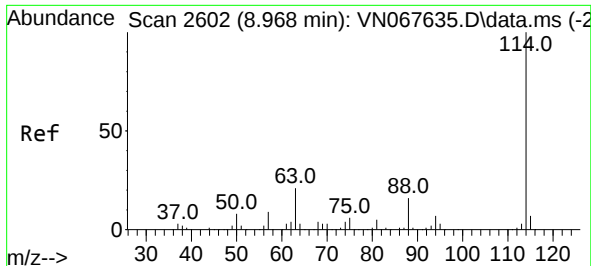
Tgt Ion: 56 Resp: 9519
Ion Ratio Lower Upper
56 100
69 139.0 27.3 40.9#
84 95.4 64.9 97.3



#33
1,2-Dichloroethane-d4
Concen: 51.995 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067647.D
Acq: 7 Jul 2021 20:48

Tgt Ion: 65 Resp: 254673
Ion Ratio Lower Upper
65 100
67 50.4 0.0 98.6

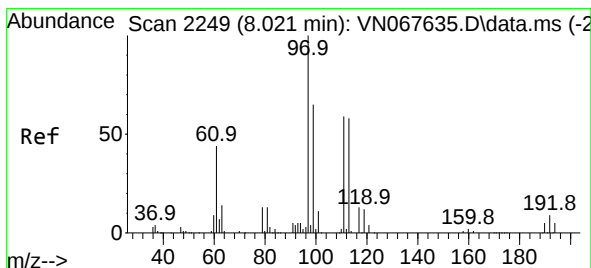
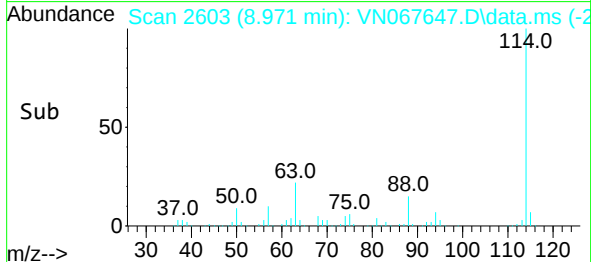
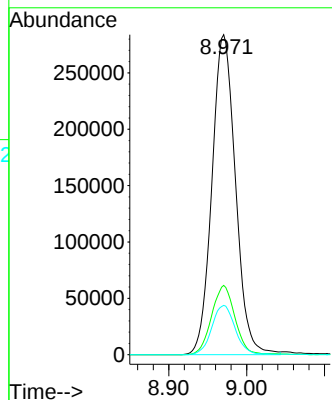
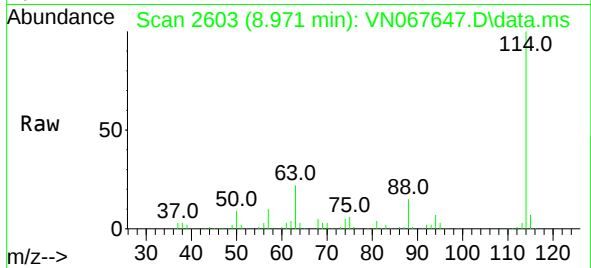




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067647.D
Acq: 7 Jul 2021 20:48

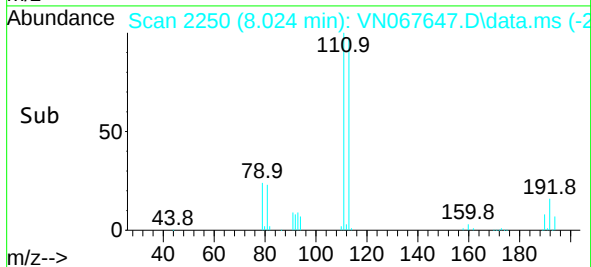
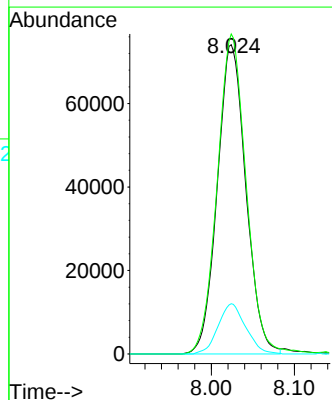
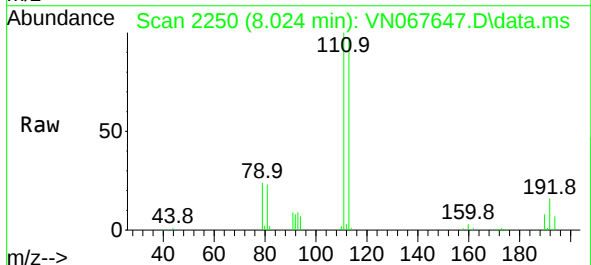
Instrument :
MSVOA_N
ClientSampleId :

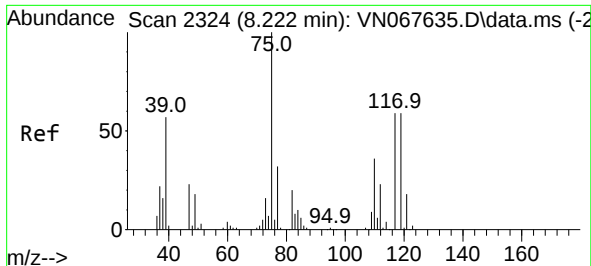
Tgt Ion:114 Resp: 595729
Ion Ratio Lower Upper
114 100
63 21.6 0.0 49.0
88 15.4 0.0 36.6



#35
Dibromofluoromethane
Concen: 49.207 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN067647.D
Acq: 7 Jul 2021 20:48

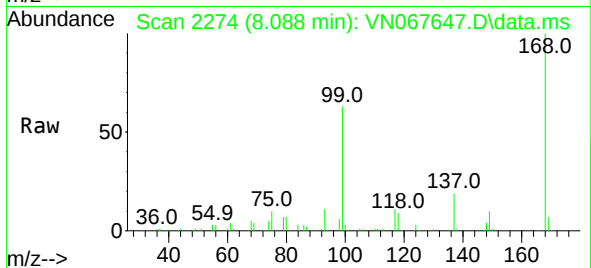
Tgt Ion:113 Resp: 177107
Ion Ratio Lower Upper
113 100
111 104.8 83.8 125.8
192 15.8 13.4 20.0



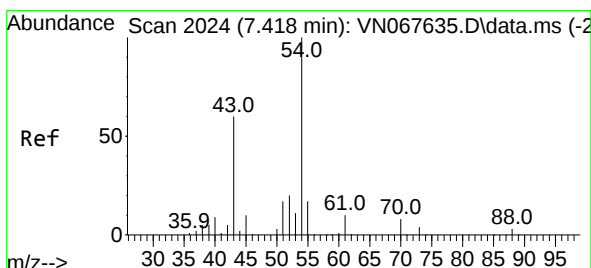
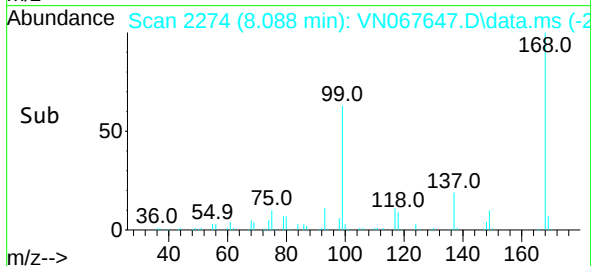
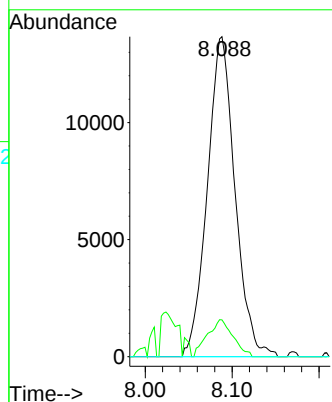


#36
 1,1-Dichloropropene
 Concen: 5.459 ug/l
 RT: 8.088 min Scan# 2274
 Delta R.T. -0.134 min
 Lab File: VN067647.D
 Acq: 7 Jul 2021 20:48

Instrument :
 MSVOA_N
 ClientSampleId :

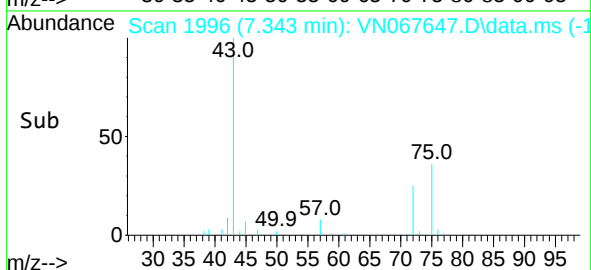
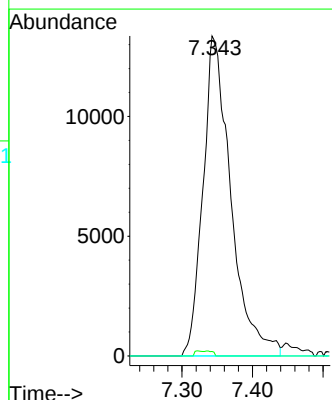
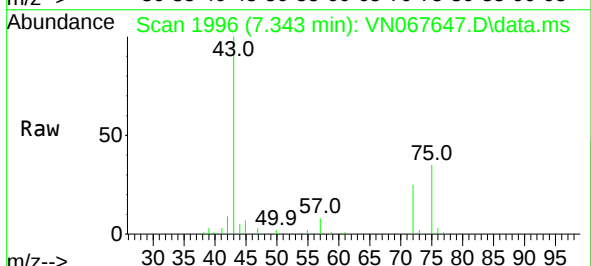


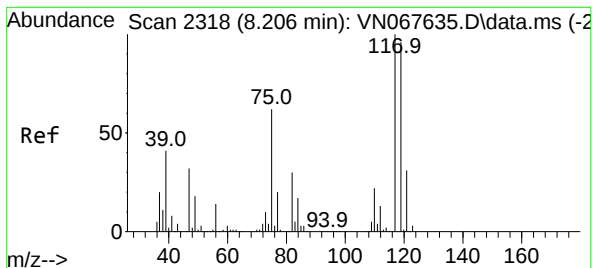
Tgt Ion: 75 Resp: 30207
 Ion Ratio Lower Upper
 75 100
 110 10.7 15.7 47.0#
 77 0.0 24.6 37.0#



#37
 Ethyl Acetate
 Concen: 6.858 ug/l
 RT: 7.343 min Scan# 1996
 Delta R.T. -0.075 min
 Lab File: VN067647.D
 Acq: 7 Jul 2021 20:48

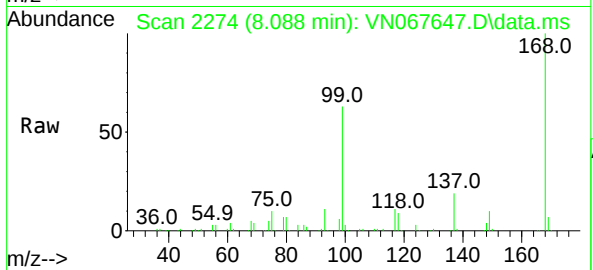
Tgt Ion: 43 Resp: 36771
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.6 16.0#
 70 0.0 8.1 12.1#



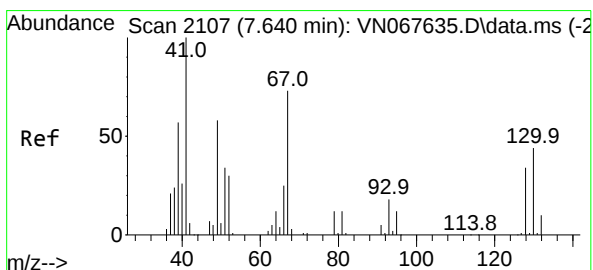
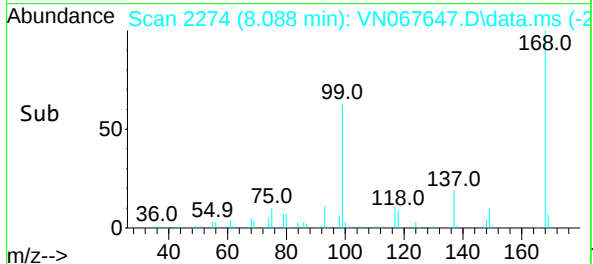
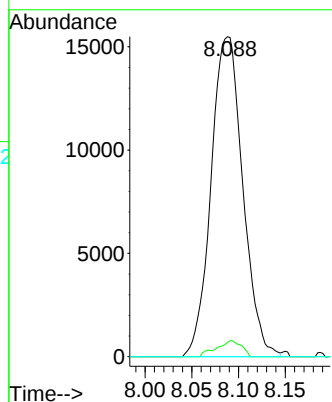


#38
Carbon Tetrachloride
Concen: 6.703 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN067647.D
Acq: 7 Jul 2021 20:48

Instrument :
MSVOA_N
ClientSampleId :

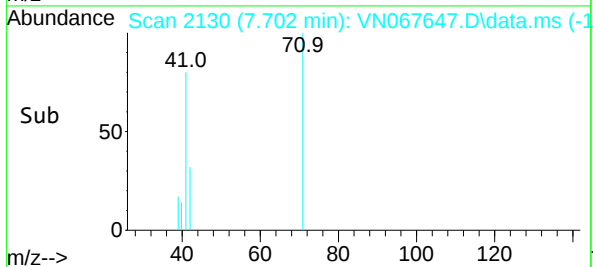
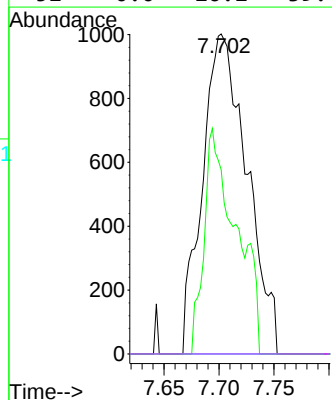
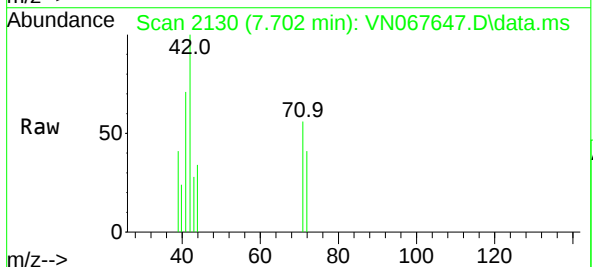


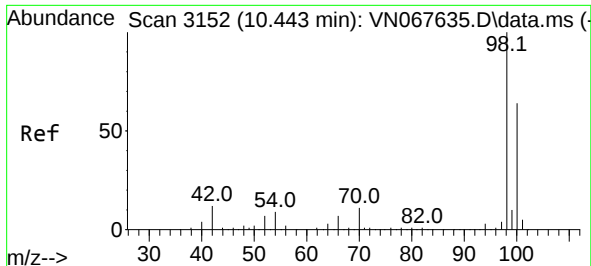
Tgt Ion:117 Resp: 36587
Ion Ratio Lower Upper
117 100
119 4.5 75.4 113.2#
121 0.0 23.5 35.3#



#41
Methacrylonitrile
Concen: 1.024 ug/l
RT: 7.702 min Scan# 2130
Delta R.T. 0.062 min
Lab File: VN067647.D
Acq: 7 Jul 2021 20:48

Tgt Ion: 41 Resp: 2822
Ion Ratio Lower Upper
41 100
39 43.7 47.6 71.4#
67 0.0 57.7 86.5#
52 0.0 26.2 39.4#

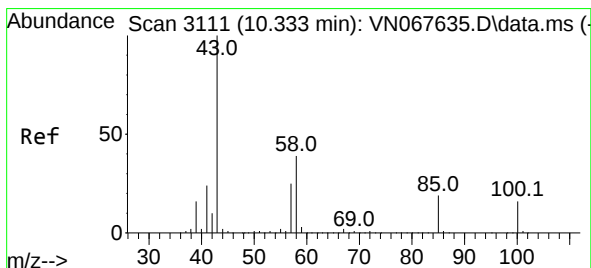
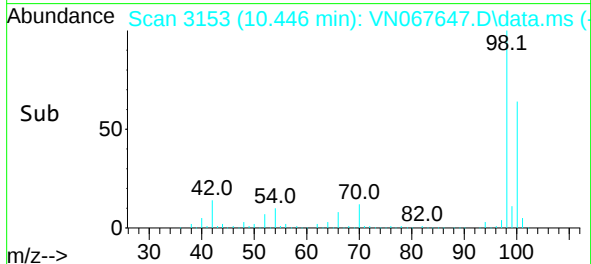
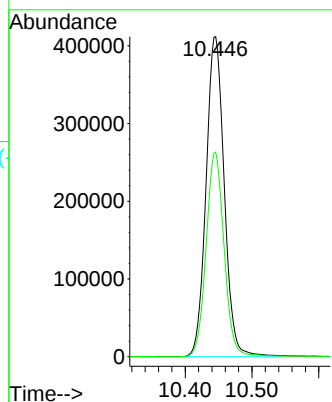
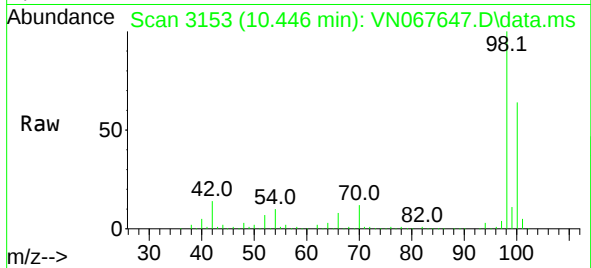




#50
Toluene-d8
Concen: 51.782 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN067647.D
Acq: 7 Jul 2021 20:48

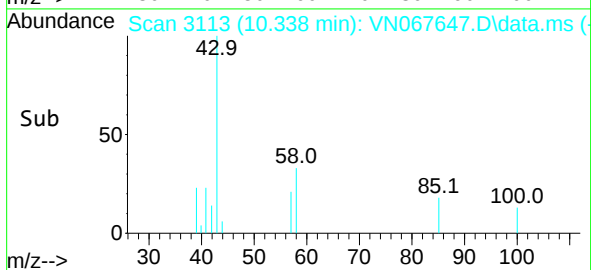
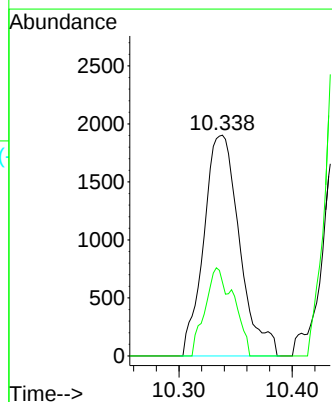
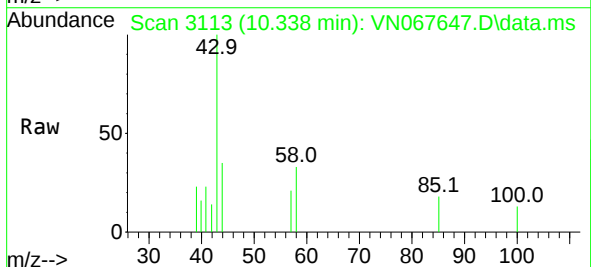
Instrument :
MSVOA_N
ClientSampled :

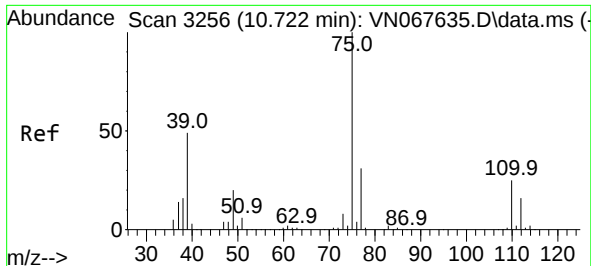
Tgt Ion: 98 Resp: 780119
Ion Ratio Lower Upper
98 100
100 63.4 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.720 ug/l
RT: 10.338 min Scan# 3113
Delta R.T. 0.005 min
Lab File: VN067647.D
Acq: 7 Jul 2021 20:48

Tgt Ion: 43 Resp: 4172
Ion Ratio Lower Upper
43 100
58 31.8 28.6 43.0

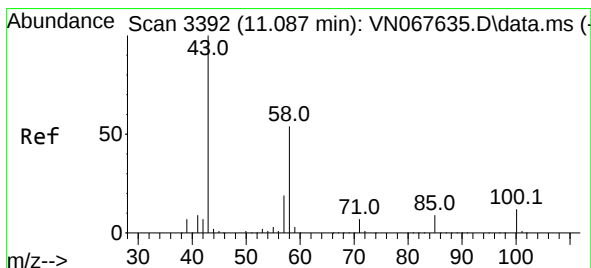
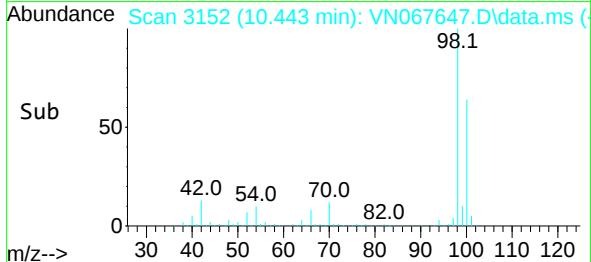
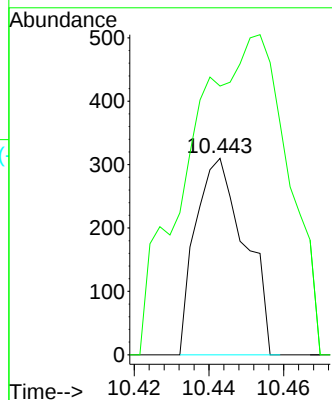
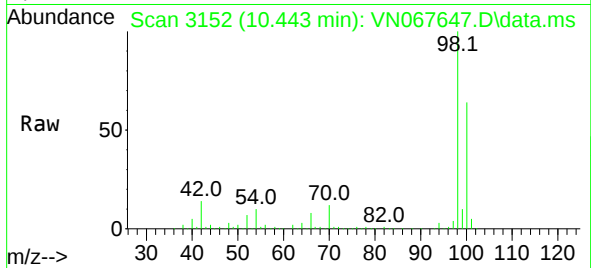




#53
t-1,3-Dichloropropene
Concen: 1.784 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.279 min
Lab File: VN067647.D
Acq: 7 Jul 2021 20:48

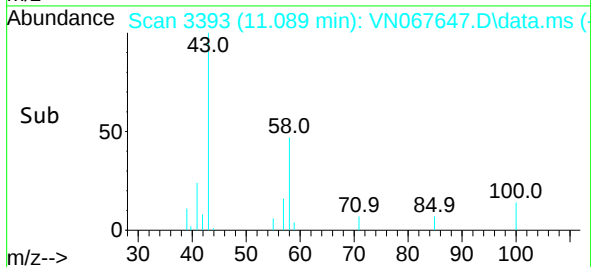
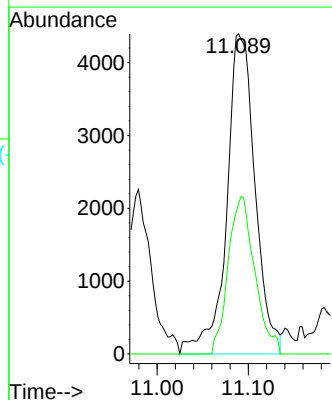
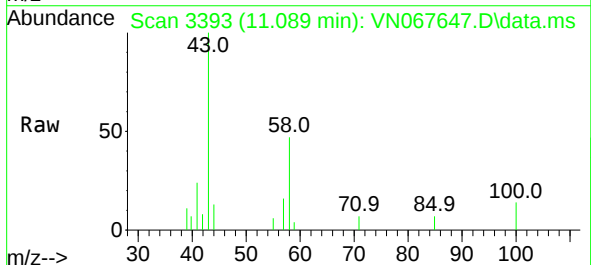
Instrument :
MSVOA_N
ClientSampled :

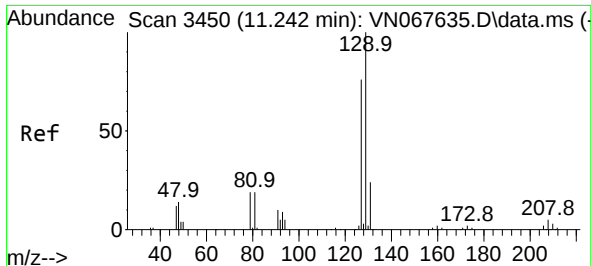
Tgt Ion: 75 Resp: 283
Ion Ratio Lower Upper
75 100
77 64.5 25.1 37.7#



#59
2-Hexanone
Concen: 2.359 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.002 min
Lab File: VN067647.D
Acq: 7 Jul 2021 20:48

Tgt Ion: 43 Resp: 9542
Ion Ratio Lower Upper
43 100
58 45.8 24.7 74.1

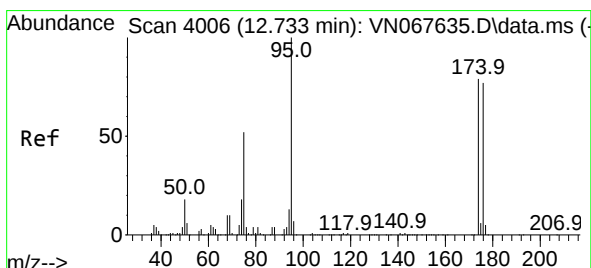
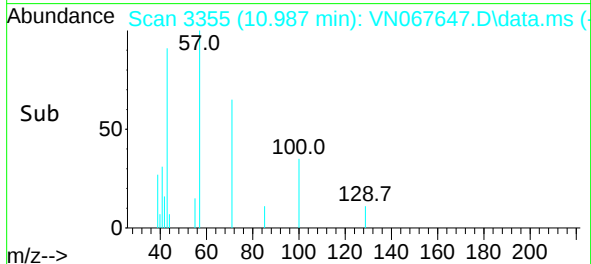
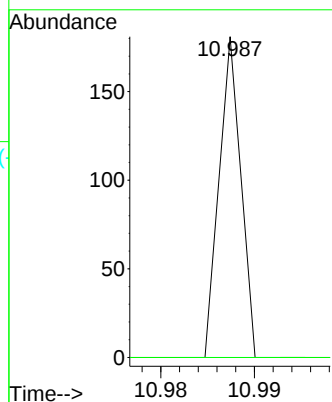
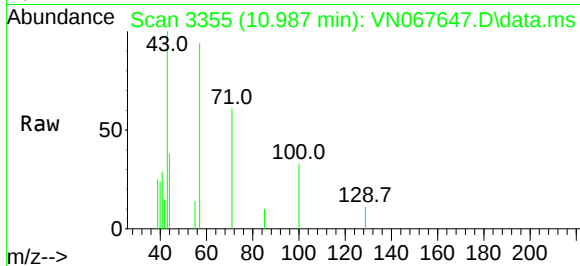




#60
Dibromochloromethane
Concen: 2.362 ug/l
RT: 10.987 min Scan# 3355
Delta R.T. -0.255 min
Lab File: VN067647.D
Acq: 7 Jul 2021 20:48

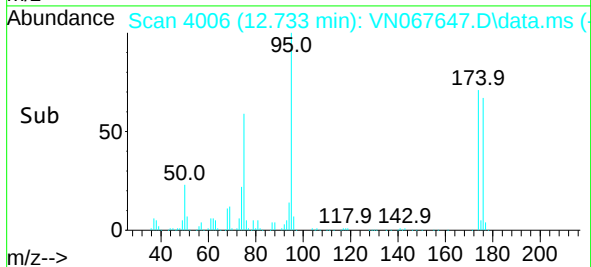
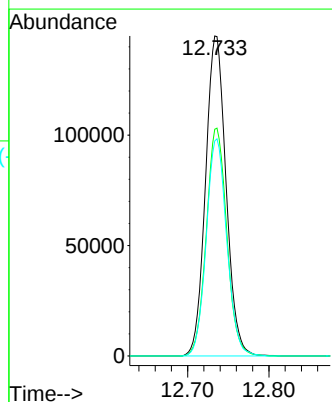
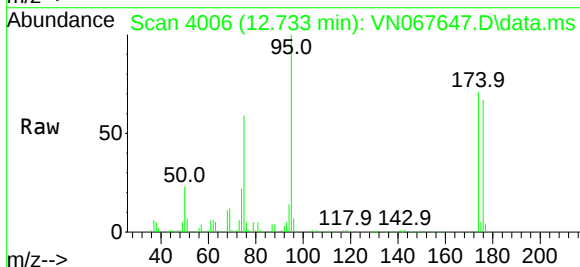
Instrument :
MSVOA_N
ClientSampleId :

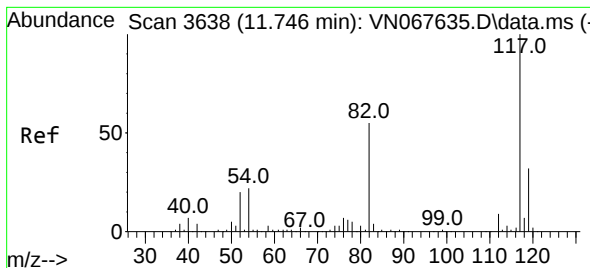
Tgt Ion:129 Resp: 29
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#



#62
4-Bromofluorobenzene
Concen: 47.741 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067647.D
Acq: 7 Jul 2021 20:48

Tgt Ion: 95 Resp: 254077
Ion Ratio Lower Upper
95 100
174 71.0 0.0 122.0
176 67.8 0.0 117.6

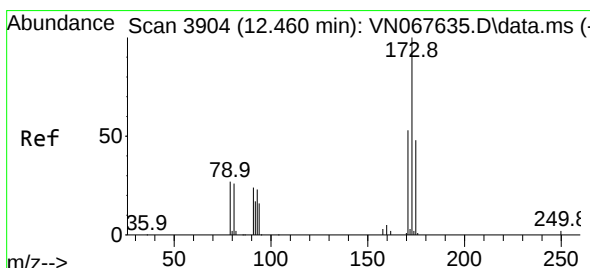
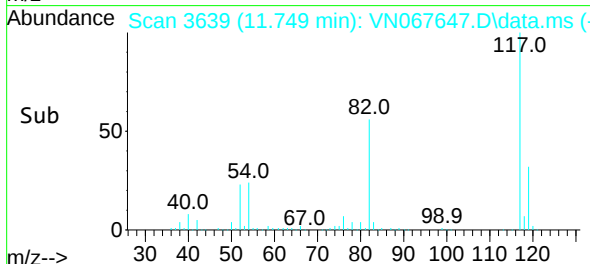
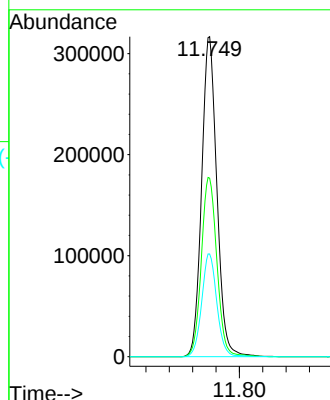
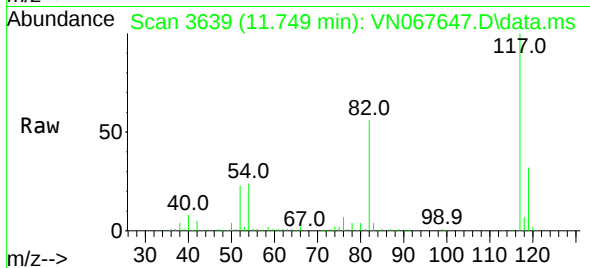




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067647.D
Acq: 7 Jul 2021 20:48

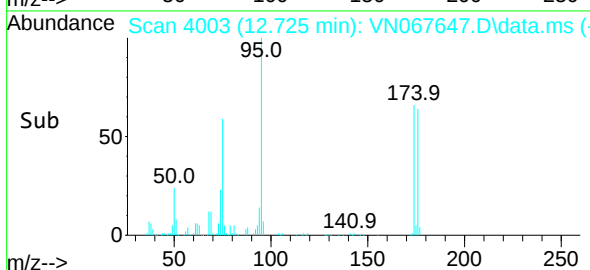
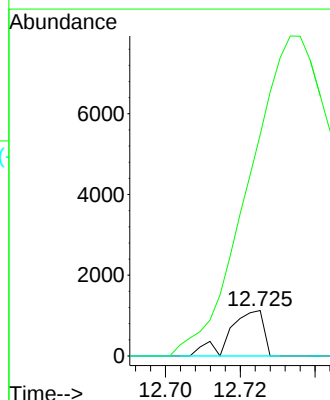
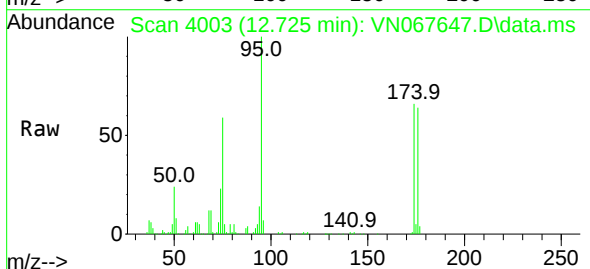
Instrument :
MSVOA_N
ClientSampleId :

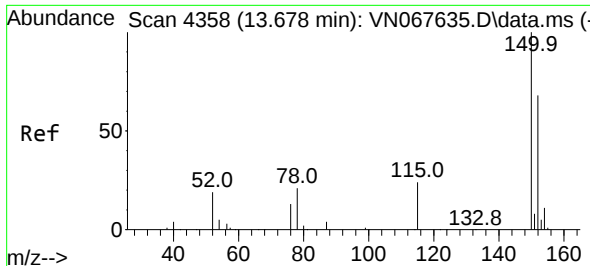
Tgt Ion:117 Resp: 573281
Ion Ratio Lower Upper
117 100
82 55.8 53.1 79.7
119 32.1 25.5 38.3



#71
Bromoform
Concen: 3.356 ug/l
RT: 12.725 min Scan# 4003
Delta R.T. 0.265 min
Lab File: VN067647.D
Acq: 7 Jul 2021 20:48

Tgt Ion:173 Resp: 708
Ion Ratio Lower Upper
173 100
175 1755.5 23.9 71.8#
254 0.0 0.0 0.0

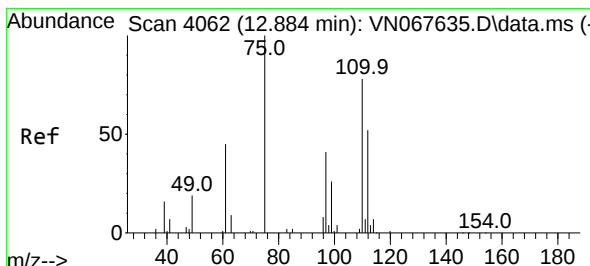
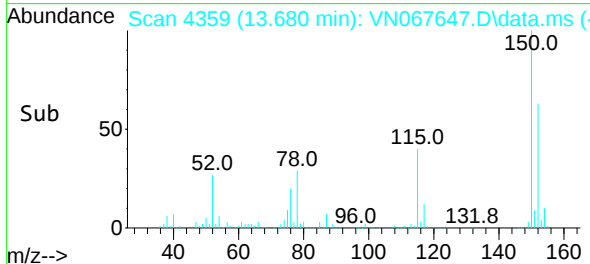
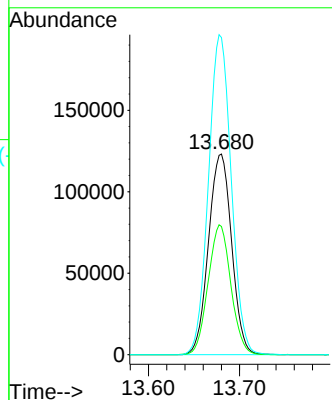
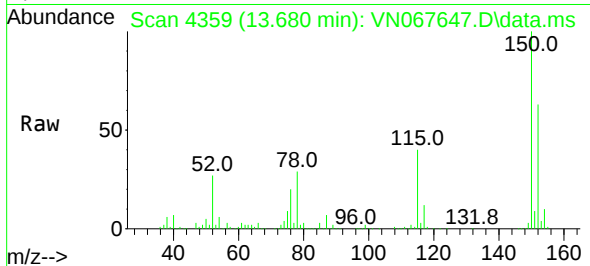




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.680 min Scan# 4359
 Delta R.T. 0.003 min
 Lab File: VN067647.D
 Acq: 7 Jul 2021 20:48

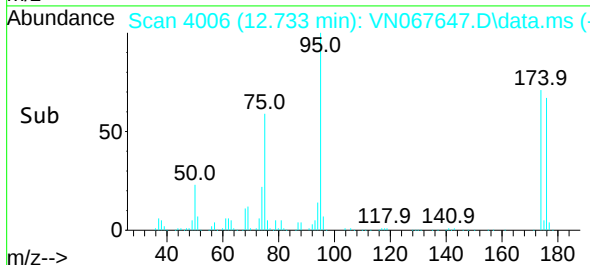
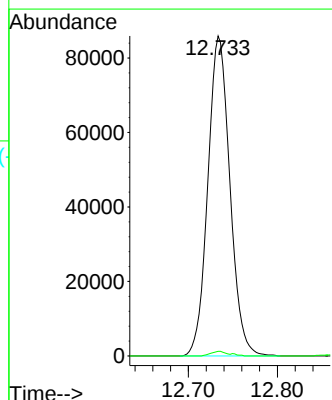
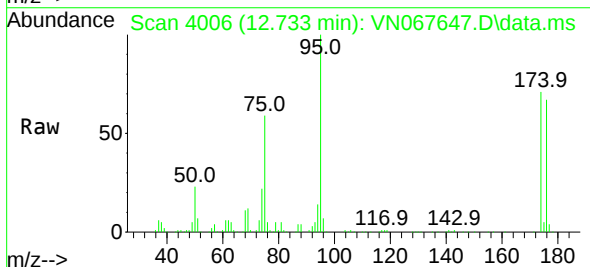
Instrument :
 MSVOA_N
 ClientSampled :

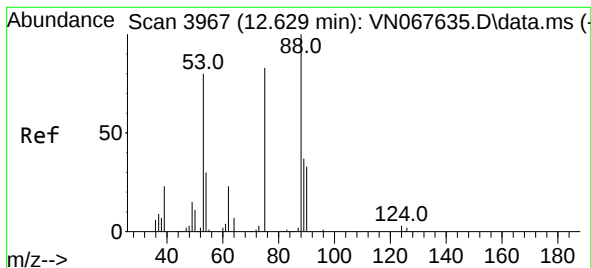
Tgt Ion:152 Resp: 217652
 Ion Ratio Lower Upper
 152 100
 115 63.4 36.1 108.5
 150 156.8 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 33.257 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. -0.151 min
 Lab File: VN067647.D
 Acq: 7 Jul 2021 20:48

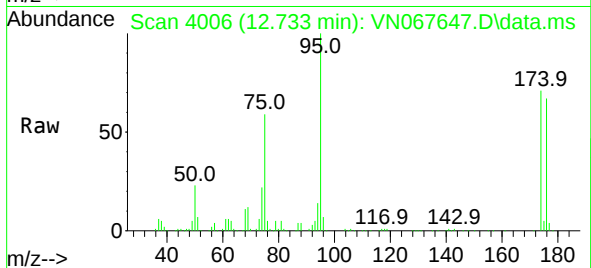
Tgt Ion: 75 Resp: 147823
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



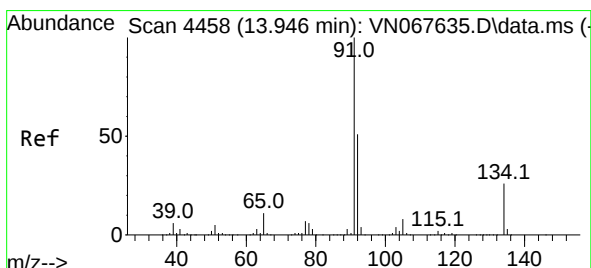
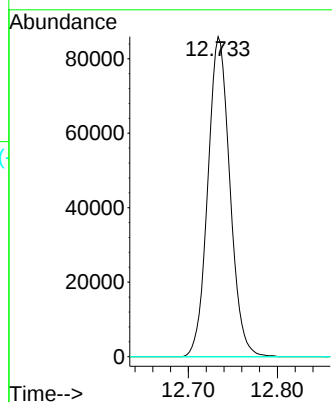
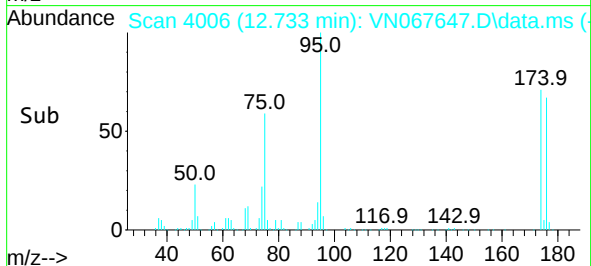


#81
trans-1,4-Dichloro-2-butene
Concen: 107.224 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN067647.D
Acq: 7 Jul 2021 20:48

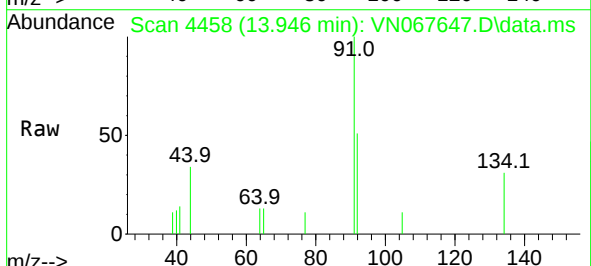
Instrument :
MSVOA_N
ClientSampleId :



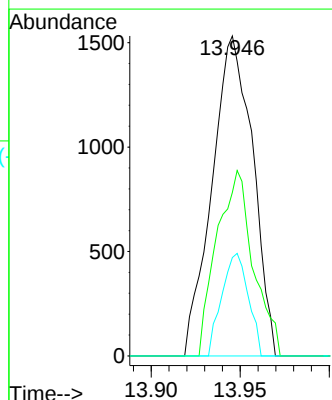
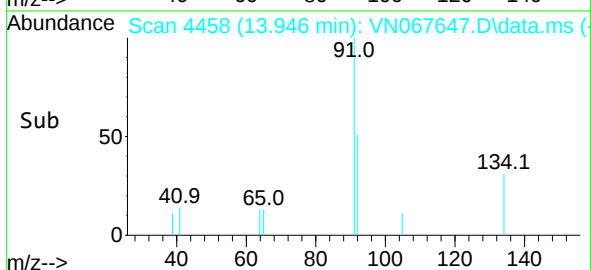
Tgt Ion: 75 Resp: 147823
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#

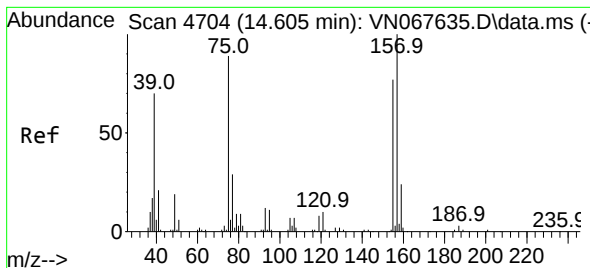


#89
n-Butylbenzene
Concen: 0.209 ug/l
RT: 13.946 min Scan# 4458
Delta R.T. -0.000 min
Lab File: VN067647.D
Acq: 7 Jul 2021 20:48



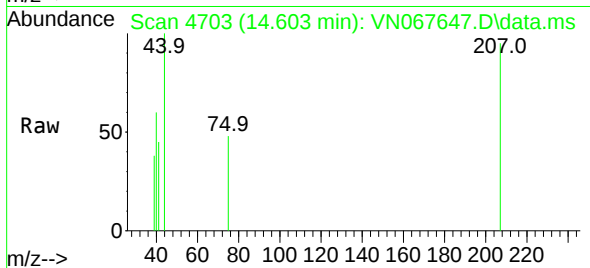
Tgt Ion: 91 Resp: 2430
Ion Ratio Lower Upper
91 100
92 52.2 25.7 77.1
134 20.9 11.2 33.6



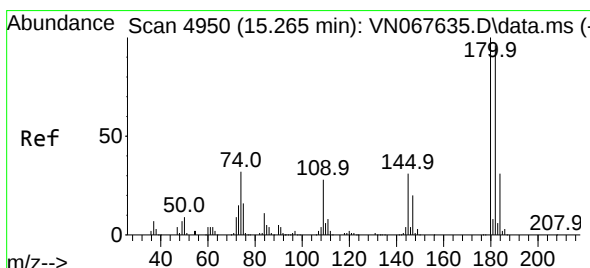
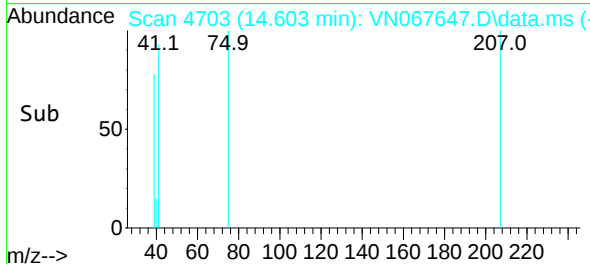
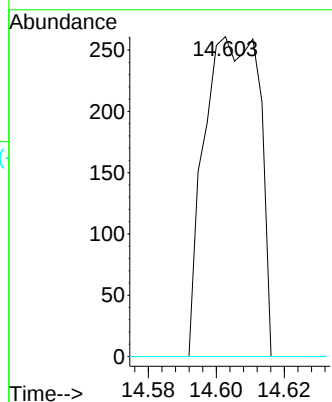


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.330 ug/l
 RT: 14.603 min Scan# 4703
 Delta R.T. -0.002 min
 Lab File: VN067647.D
 Acq: 7 Jul 2021 20:48

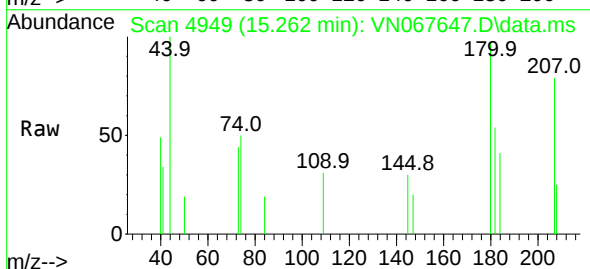
Instrument :
 MSVOA_N
 ClientSampleId :



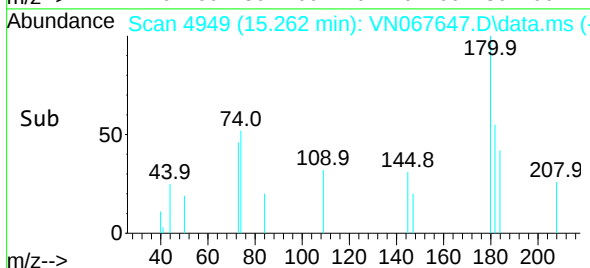
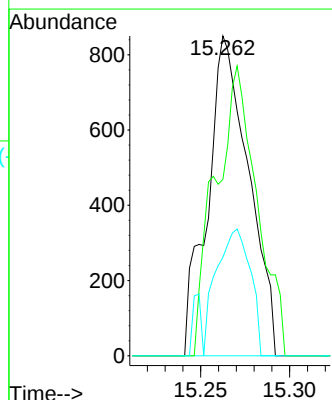
Tgt Ion: 75 Resp: 292
 Ion Ratio Lower Upper
 75 100
 155 0.0 29.8 89.5#
 157 0.0 37.6 112.8#

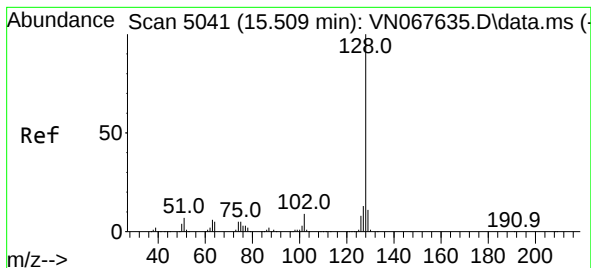


#93
 1,2,4-Trichlorobenzene
 Concen: 3.030 ug/l
 RT: 15.262 min Scan# 4949
 Delta R.T. -0.003 min
 Lab File: VN067647.D
 Acq: 7 Jul 2021 20:48



Tgt Ion: 180 Resp: 1364
 Ion Ratio Lower Upper
 180 100
 182 91.8 47.5 142.5
 145 32.8 17.2 51.6

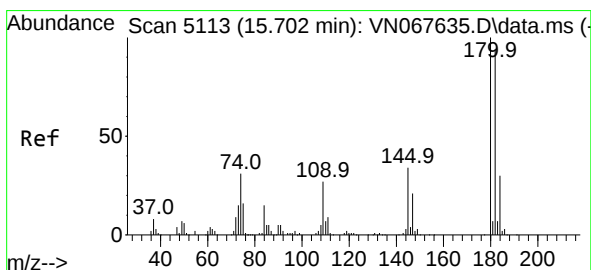
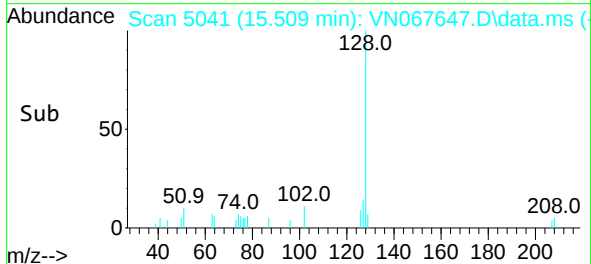
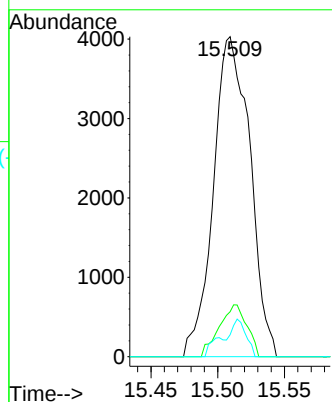
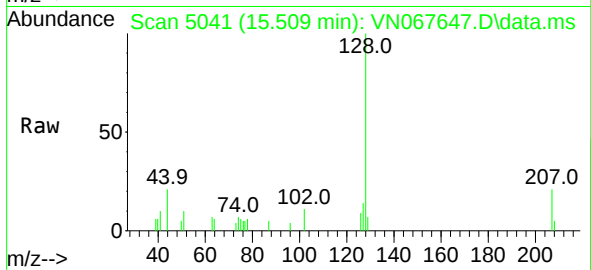




#95
Naphthalene
Concen: 3.689 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.000 min
Lab File: VN067647.D
Acq: 7 Jul 2021 20:48

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 7671
Ion Ratio Lower Upper
128 100
127 12.3 10.6 15.8
129 4.7 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 3.084 ug/l
RT: 15.705 min Scan# 5114
Delta R.T. 0.003 min
Lab File: VN067647.D
Acq: 7 Jul 2021 20:48

Tgt Ion:180 Resp: 1656
Ion Ratio Lower Upper
180 100
182 86.0 47.8 143.3
145 33.2 18.2 54.6

