

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070821\
 Data File : VN067663.D
 Acq On : 8 Jul 2021 15:03
 Operator : JC/MD
 Sample : M2773-19
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 09 03:53:32 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)

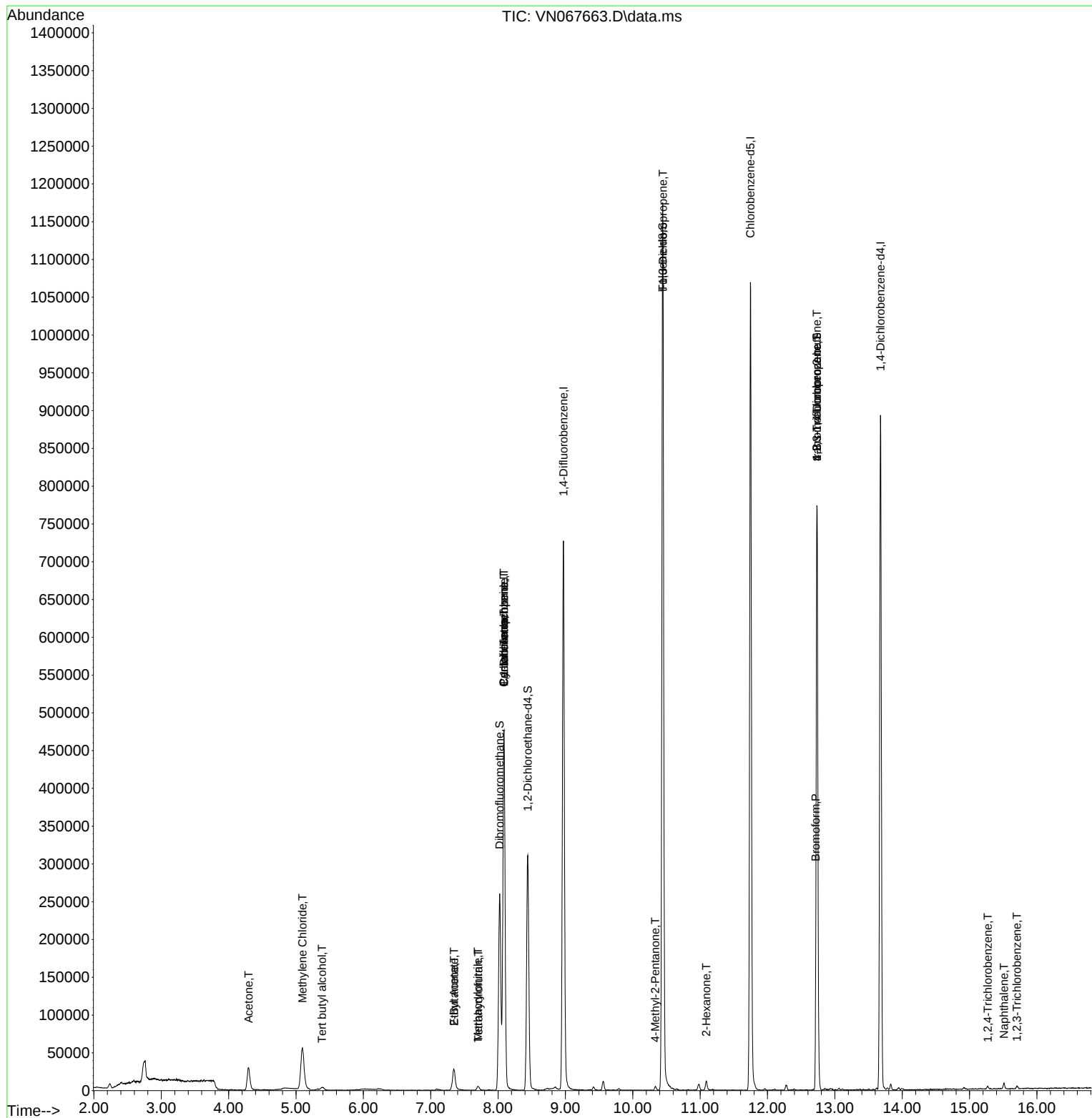
Internal Standards						
1) Pentafluorobenzene	8.088	168	336004	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	628140	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	601446	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	230484	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	265794	52.342	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 104.680%		
35) Dibromofluoromethane	8.024	113	187444	49.391	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 98.780%		
50) Toluene-d8	10.443	98	820012	51.621	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 103.240%		
62) 4-Bromofluorobenzene	12.733	95	268160	47.787	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 95.580%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.832	94	95	Below Cal	#	4
6) Chloroethane	3.100	64	86	Below Cal	#	44
7) Trichlorofluoromethane	3.379	101	25	Below Cal	#	37
11) Tert butyl alcohol	5.385	59	2472	3.388	ug/l #	92
13) Acrolein	4.038	56	72	Below Cal	#	1
16) Acetone	4.296	43	55692	34.854	ug/l	96
20) Methylene Chloride	5.095	84	43234	11.048	ug/l	91
25) 2-Butanone	7.348	43	37043	13.961	ug/l	93
29) Tetrahydrofuran	7.707	42	4094	2.346	ug/l #	88
31) Cyclohexane	8.088	56	9793	1.375	ug/l #	21
36) 1,1-Dichloropropene	8.088	75	32449	5.561	ug/l #	51
37) Ethyl Acetate	7.348	43	37043	6.552	ug/l #	71
38) Carbon Tetrachloride	8.085	117	39040	6.783	ug/l #	16
41) Methacrylonitrile	7.702	41	1600	0.551	ug/l #	44
51) 4-Methyl-2-Pentanone	10.333	43	3677	0.602	ug/l	97
53) t-1,3-Dichloropropene	10.446	75	146	1.764	ug/l #	52
59) 2-Hexanone	11.092	43	9920	2.326	ug/l	90
71) Bromoform	12.717	173	97	3.199	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	154618	32.849	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	154618	105.909	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.270	180	1212	2.973	ug/l #	88
95) Naphthalene	15.509	128	6558	3.558	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.702	180	1079	2.910	ug/l	80

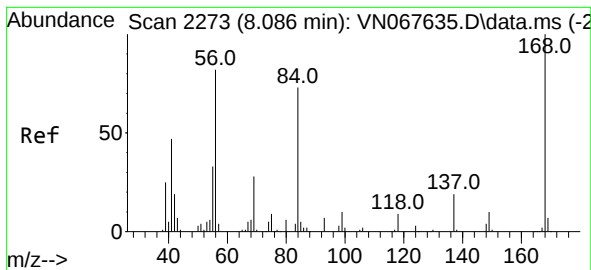
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN067663.D

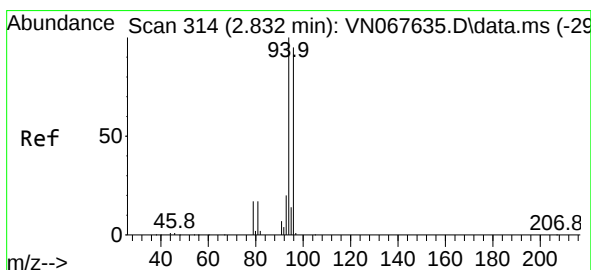
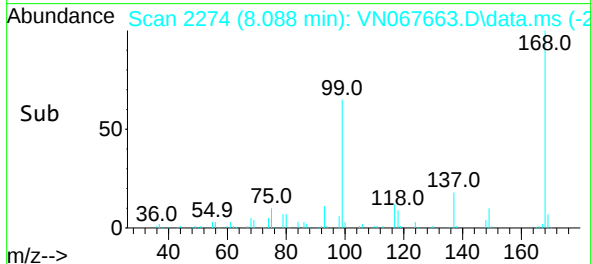
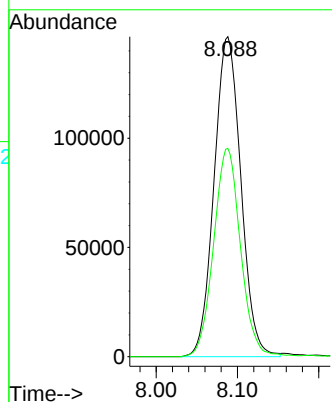
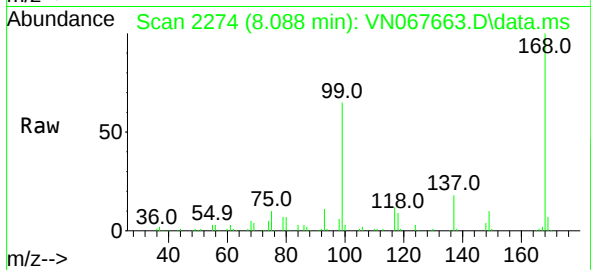
Acq: 8 Jul 2021 15:03

Tgt Ion:168 Resp: 336004

Ion Ratio Lower Upper

168 100

99 65.1 62.9 94.3



#5

Bromomethane

Concen: Below Cal

RT: 2.832 min Scan# 314

Delta R.T. -0.000 min

Lab File: VN067663.D

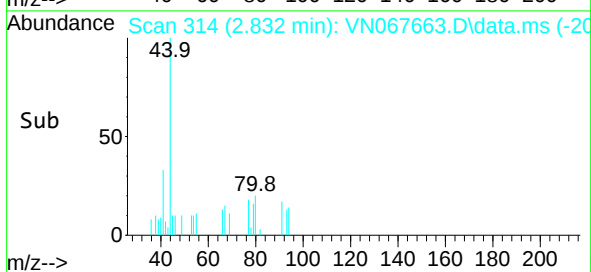
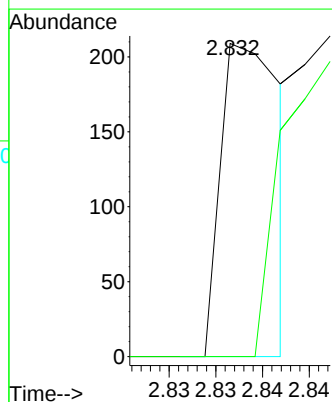
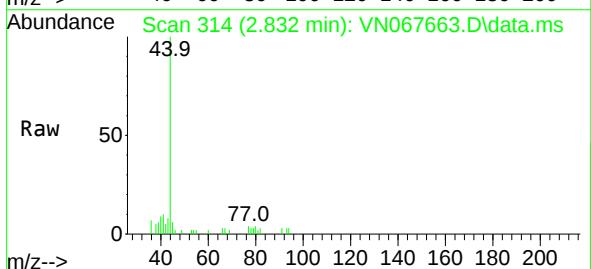
Acq: 8 Jul 2021 15:03

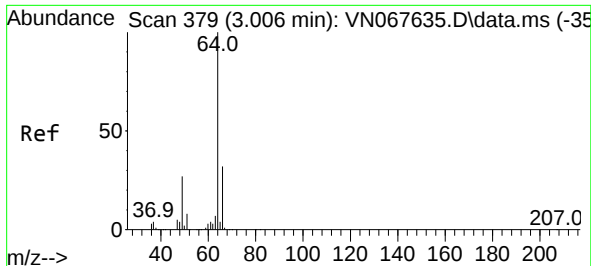
Tgt Ion: 94 Resp: 95

Ion Ratio Lower Upper

94 100

96 0.0 73.7 110.5#

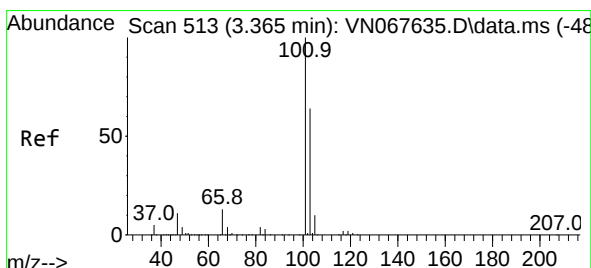
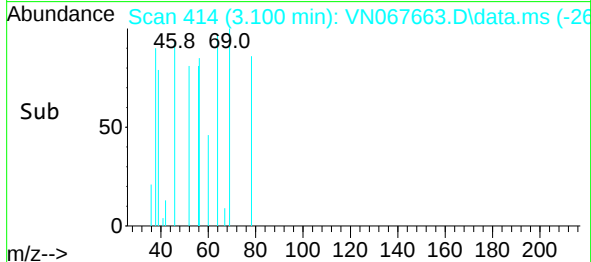
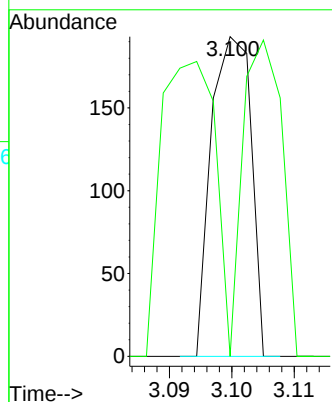
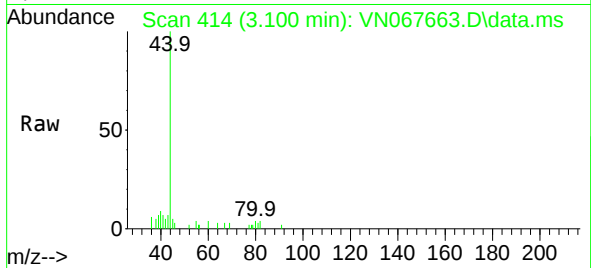




#6
Chloroethane
Concen: Below Cal
RT: 3.100 min Scan# 414
Delta R.T. 0.094 min
Lab File: VN067663.D
Acq: 8 Jul 2021 15:03

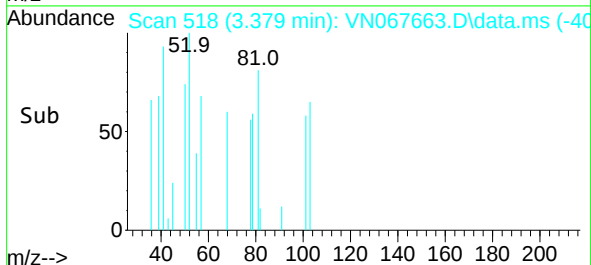
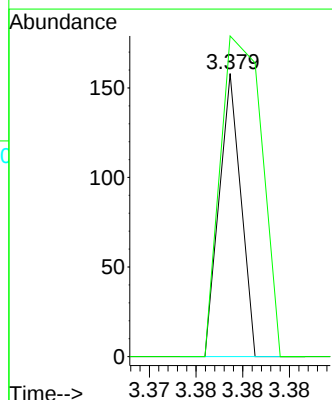
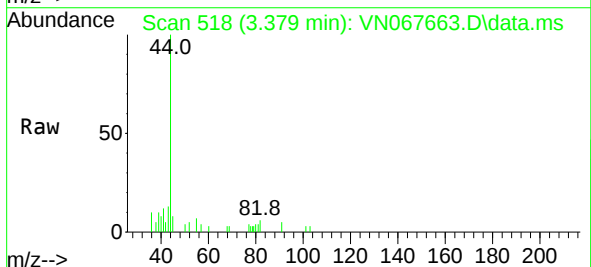
Instrument :
MSVOA_N
ClientSampleId :

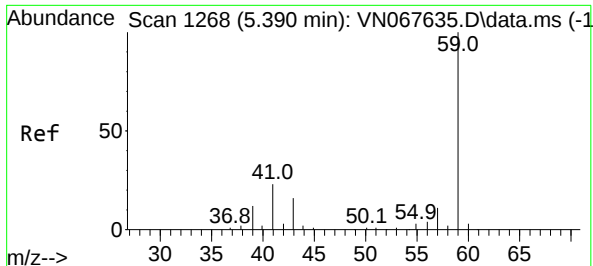
Tgt Ion: 64 Resp: 86
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.379 min Scan# 518
Delta R.T. 0.014 min
Lab File: VN067663.D
Acq: 8 Jul 2021 15:03

Tgt Ion: 101 Resp: 25
Ion Ratio Lower Upper
101 100
103 113.3 51.2 76.8#



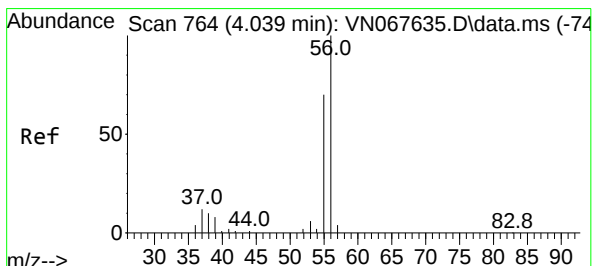
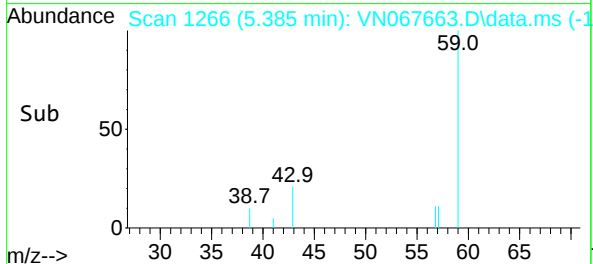
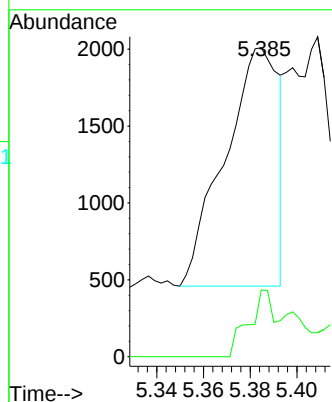
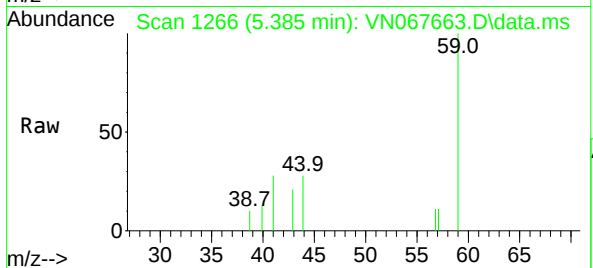


#11

Tert butyl alcohol
Concen: 3.388 ug/l
RT: 5.385 min Scan# 1266
Delta R.T. -0.005 min
Lab File: VN067663.D
Acq: 8 Jul 2021 15:03

Instrument :
MSVOA_N
ClientSampled :

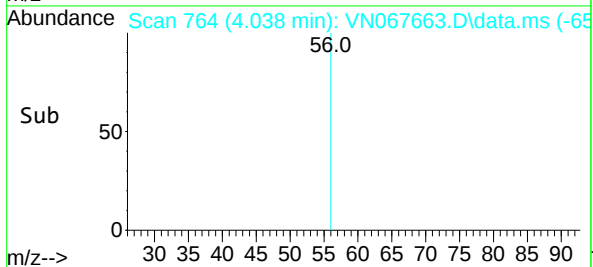
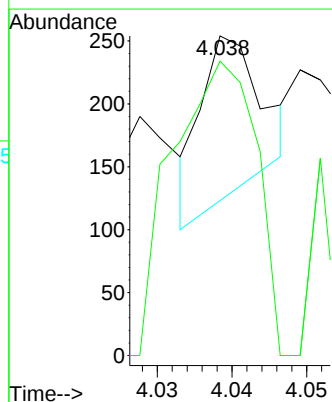
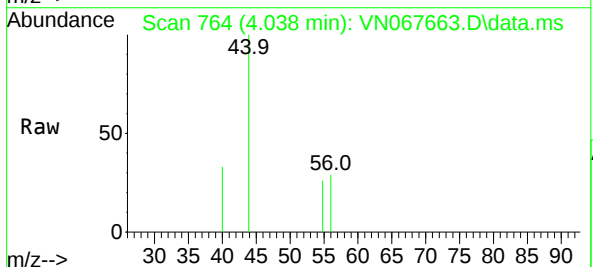
Tgt Ion: 59 Resp: 2472
Ion Ratio Lower Upper
59 100
57 13.9 8.7 13.1#

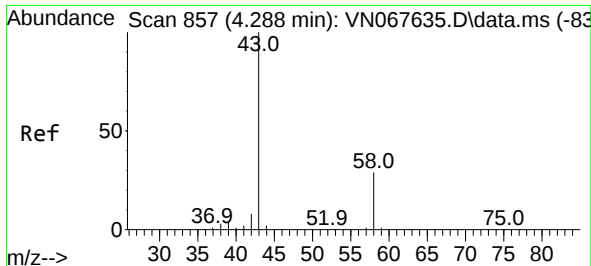


#13

Acrolein
Concen: Below Cal
RT: 4.038 min Scan# 764
Delta R.T. -0.001 min
Lab File: VN067663.D
Acq: 8 Jul 2021 15:03

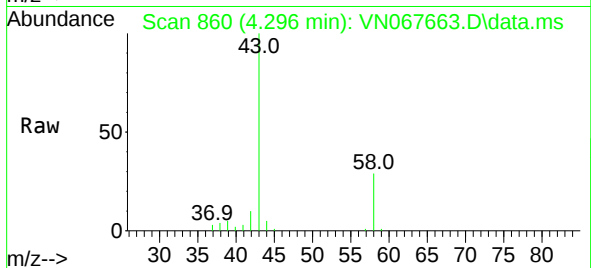
Tgt Ion: 56 Resp: 72
Ion Ratio Lower Upper
56 100
55 254.2 57.4 86.0#



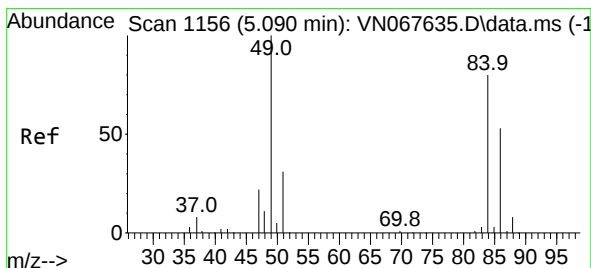
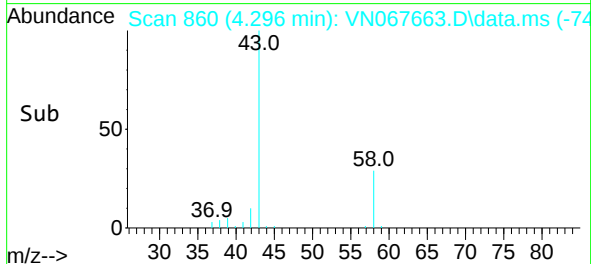
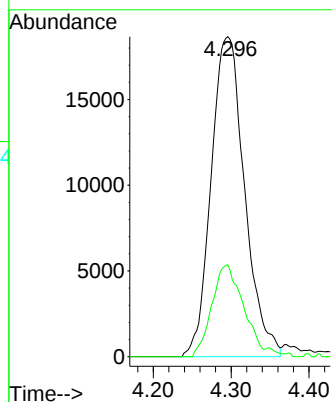


#16
Acetone
Concen: 34.854 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.008 min
Lab File: VN067663.D
Acq: 8 Jul 2021 15:03

Instrument :
MSVOA_N
ClientSampled :

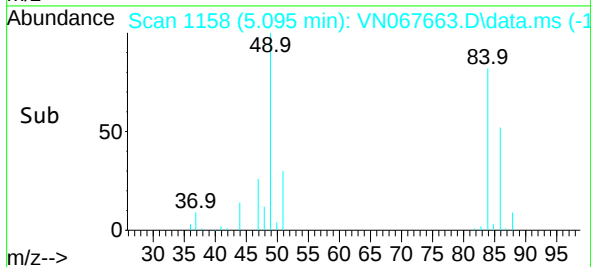
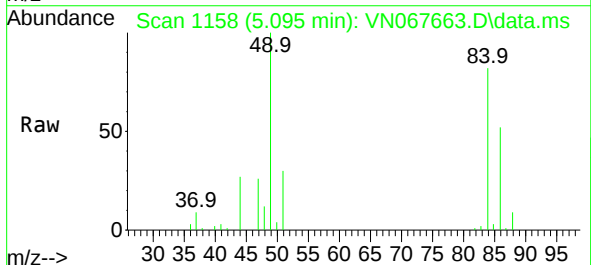
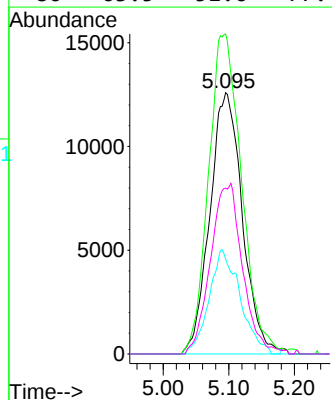


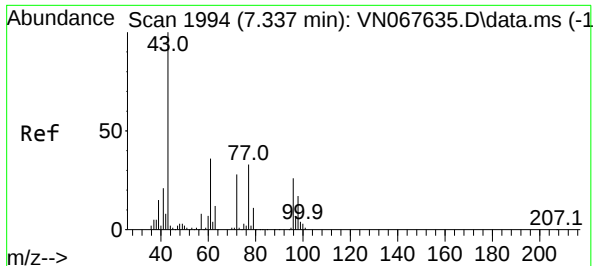
Tgt Ion: 43 Resp: 55692
Ion Ratio Lower Upper
43 100
58 28.7 21.2 31.8



#20
Methylene Chloride
Concen: 11.048 ug/l
RT: 5.095 min Scan# 1158
Delta R.T. 0.005 min
Lab File: VN067663.D
Acq: 8 Jul 2021 15:03

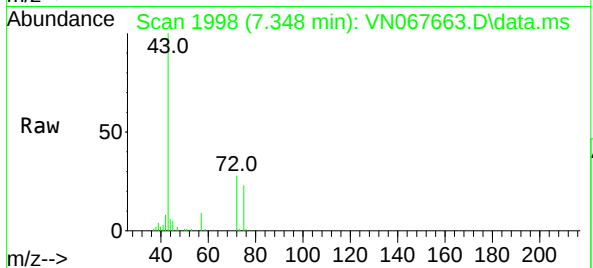
Tgt Ion: 84 Resp: 43234
Ion Ratio Lower Upper
84 100
49 122.5 110.9 166.3
51 36.3 32.6 49.0
86 63.5 51.6 77.4



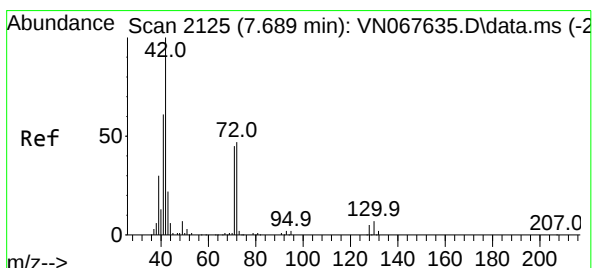
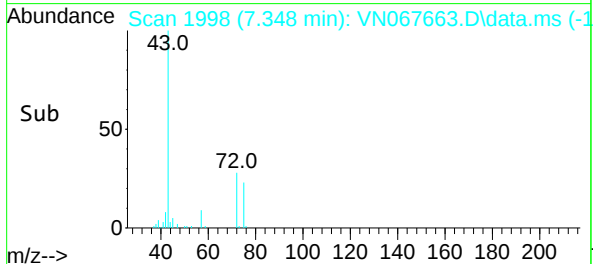
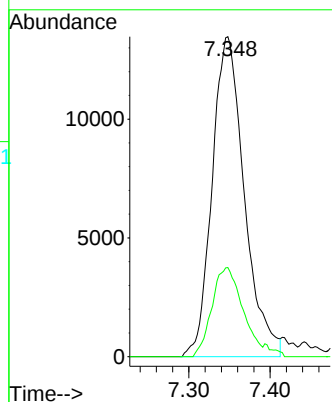


#25
2-Butanone
Concen: 13.961 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.011 min
Lab File: VN067663.D
Acq: 8 Jul 2021 15:03

Instrument :
MSVOA_N
ClientSampled :

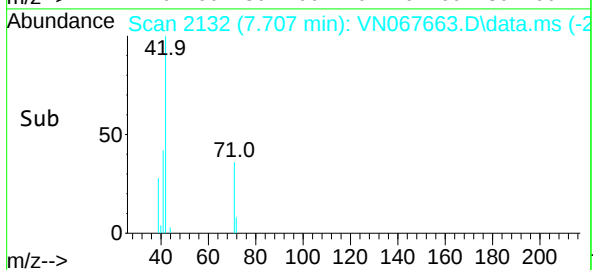
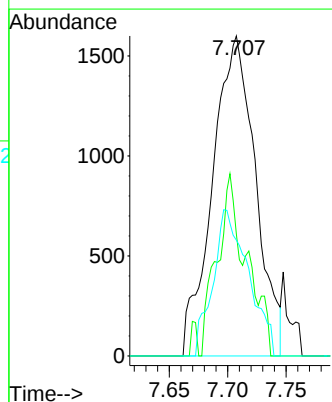
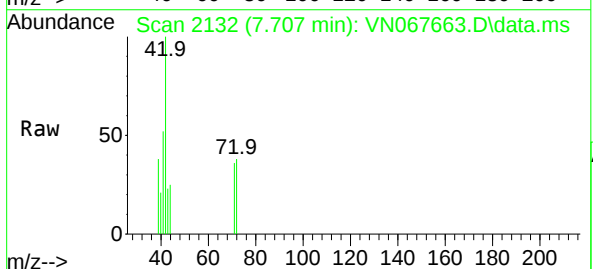


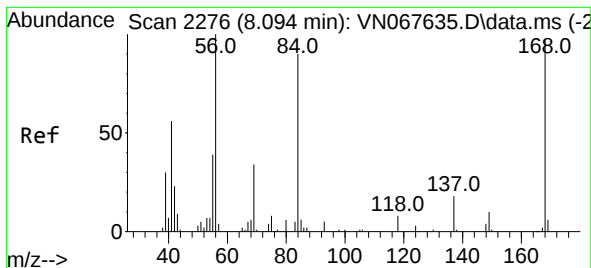
Tgt Ion: 43 Resp: 37043
Ion Ratio Lower Upper
43 100
72 27.9 19.7 29.5



#29
Tetrahydrofuran
Concen: 2.346 ug/l
RT: 7.707 min Scan# 2132
Delta R.T. 0.018 min
Lab File: VN067663.D
Acq: 8 Jul 2021 15:03

Tgt Ion: 42 Resp: 4094
Ion Ratio Lower Upper
42 100
72 28.1 32.8 49.2#
71 37.6 31.2 46.8

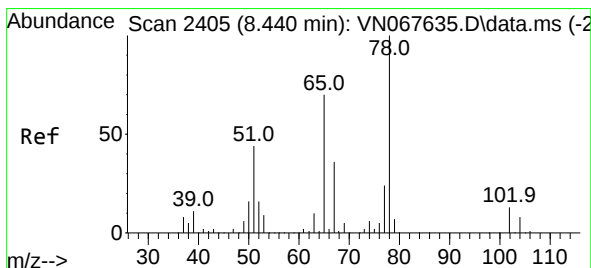
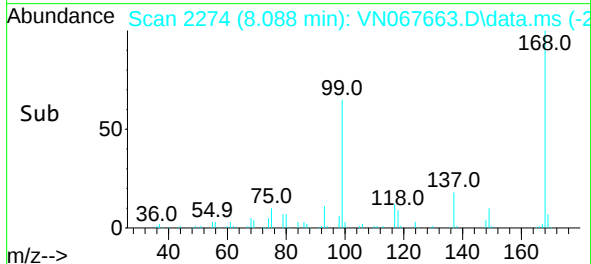
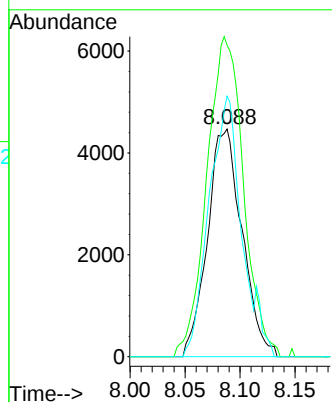
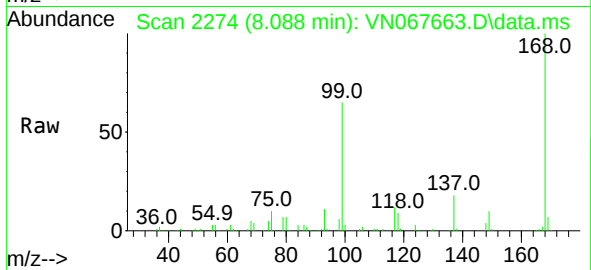




#31
Cyclohexane
Concen: 1.375 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.006 min
Lab File: VN067663.D
Acq: 8 Jul 2021 15:03

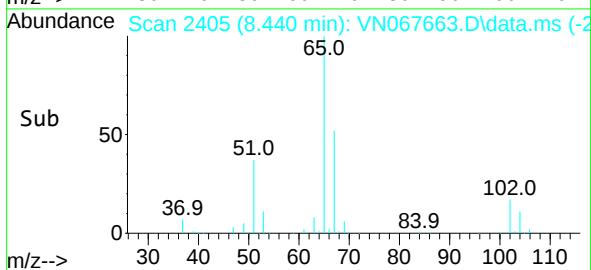
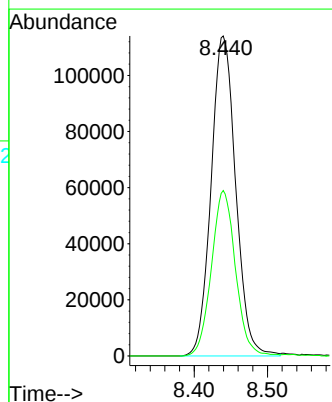
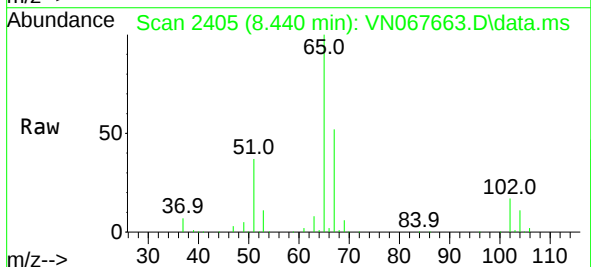
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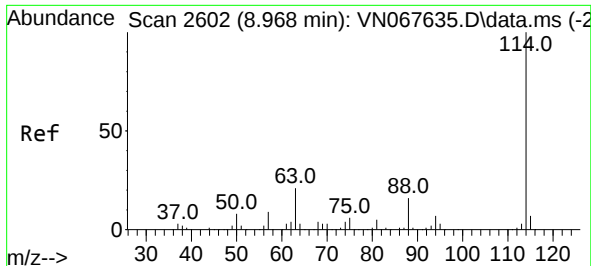
Tgt Ion: 56 Resp: 9793
Ion Ratio Lower Upper
56 100
69 136.8 27.3 40.9#
84 114.4 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 52.342 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067663.D
Acq: 8 Jul 2021 15:03

Tgt Ion: 65 Resp: 265794
Ion Ratio Lower Upper
65 100
67 50.6 0.0 98.6

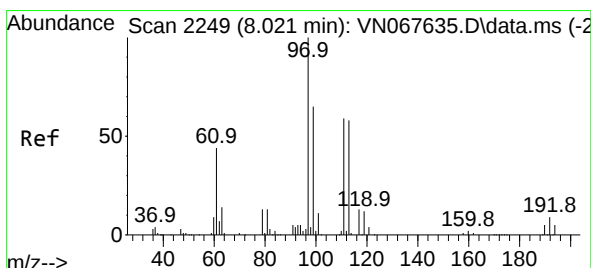
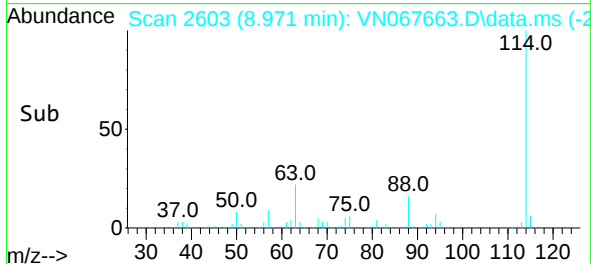
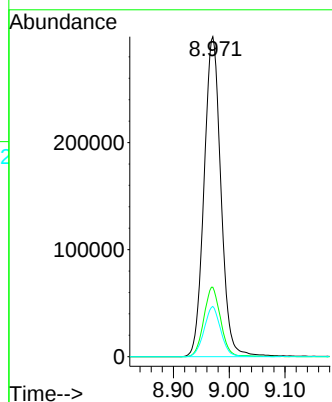
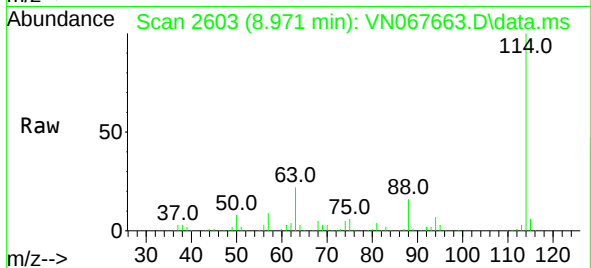




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067663.D
Acq: 8 Jul 2021 15:03

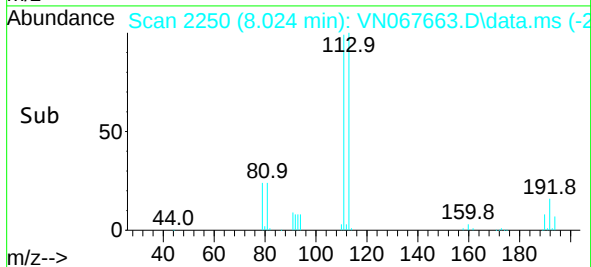
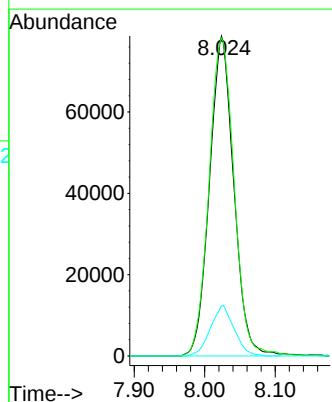
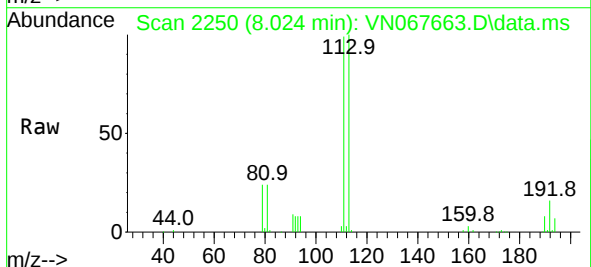
Instrument :
MSVOA_N
ClientSampleId :

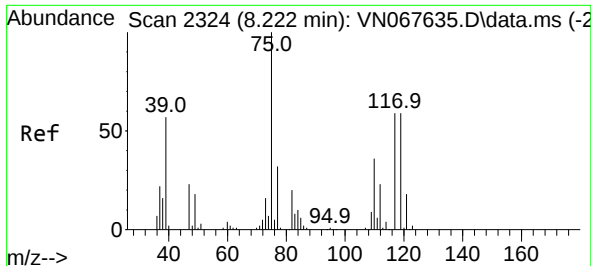
Tgt Ion:114 Resp: 628140
Ion Ratio Lower Upper
114 100
63 21.7 0.0 49.0
88 15.7 0.0 36.6



#35
Dibromofluoromethane
Concen: 49.391 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN067663.D
Acq: 8 Jul 2021 15:03

Tgt Ion:113 Resp: 187444
Ion Ratio Lower Upper
113 100
111 103.6 83.8 125.8
192 15.4 13.4 20.0





#36

1,1-Dichloropropene

Concen: 5.561 ug/l

RT: 8.088 min Scan# 2274

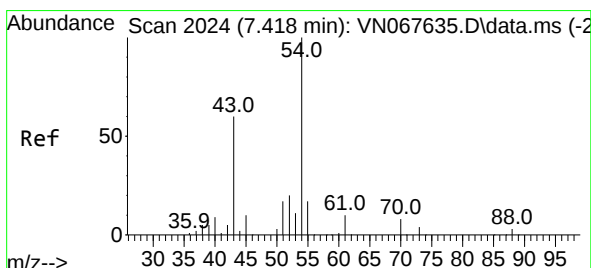
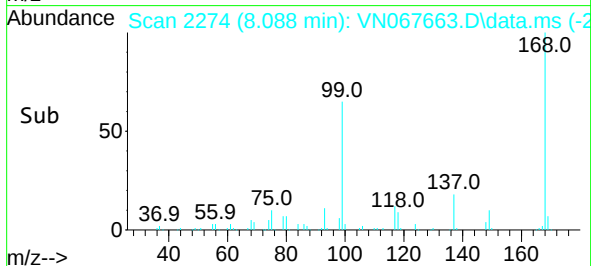
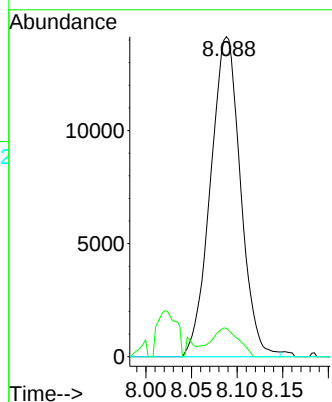
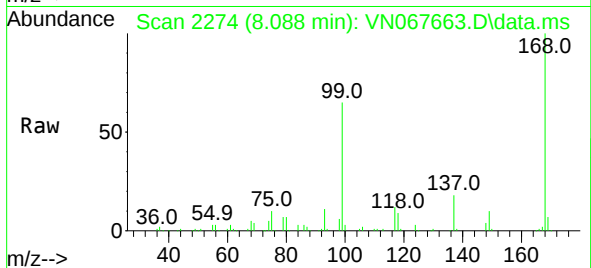
Delta R.T. -0.134 min

Lab File: VN067663.D

Acq: 8 Jul 2021 15:03

Tgt Ion:	75	Resp:	32449
Ion	Ratio	Lower	Upper
75	100		
110	7.7	15.7	47.0#
77	0.0	24.6	37.0#

Instrument :
MSVOA_N
ClientSampleId :



#37

Ethyl Acetate

Concen: 6.552 ug/l

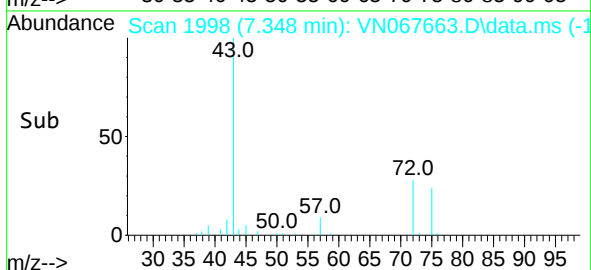
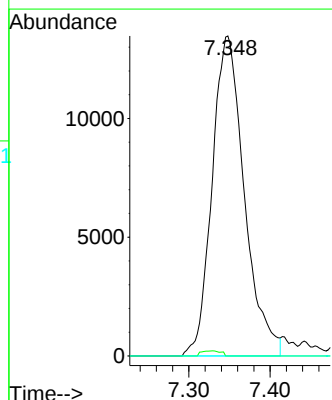
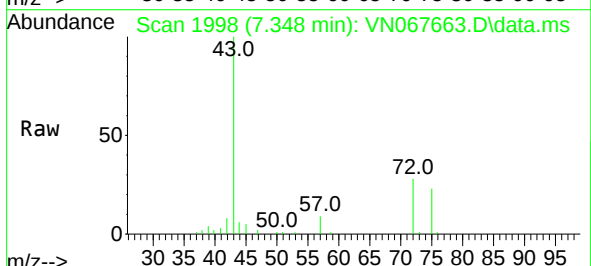
RT: 7.348 min Scan# 1998

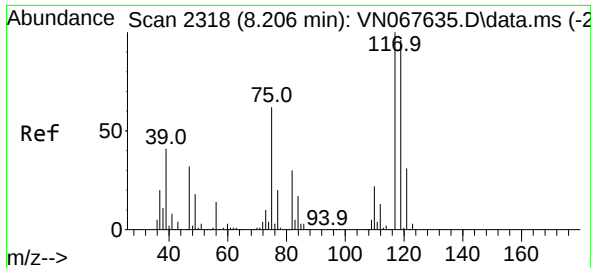
Delta R.T. -0.070 min

Lab File: VN067663.D

Acq: 8 Jul 2021 15:03

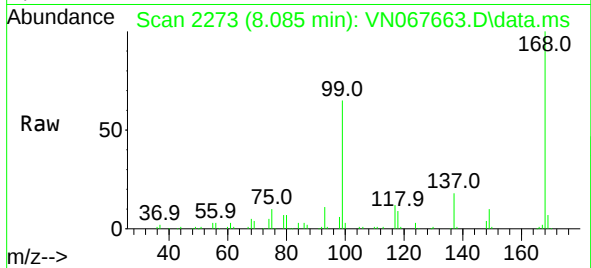
Tgt Ion:	43	Resp:	37043
Ion	Ratio	Lower	Upper
43	100		
61	1.0	10.6	16.0#
70	0.0	8.1	12.1#



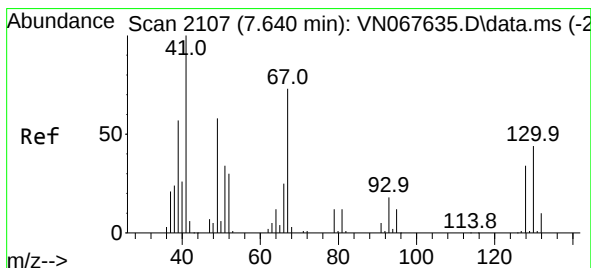
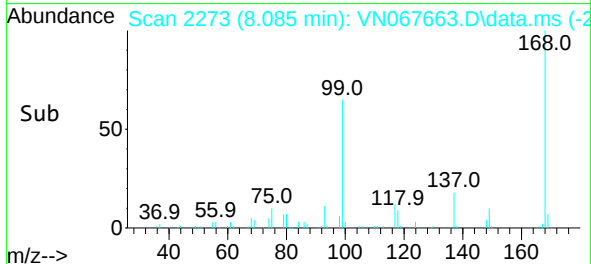
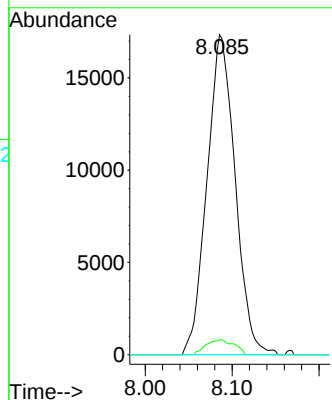


#38
Carbon Tetrachloride
Concen: 6.783 ug/l
RT: 8.085 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN067663.D
Acq: 8 Jul 2021 15:03

Instrument :
MSVOA_N
ClientSampled :

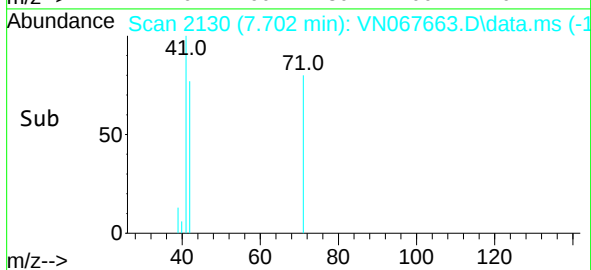
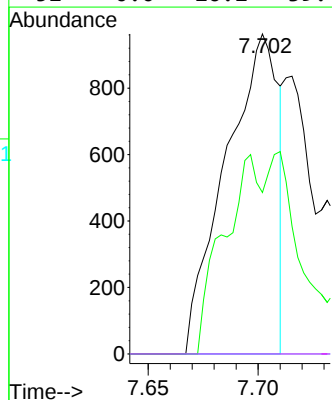
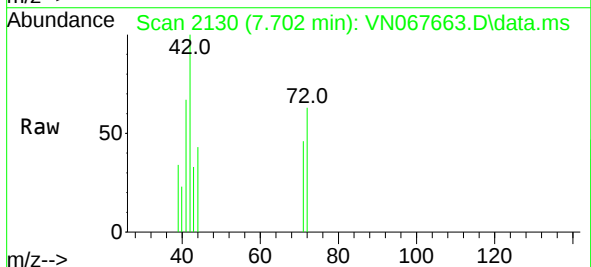


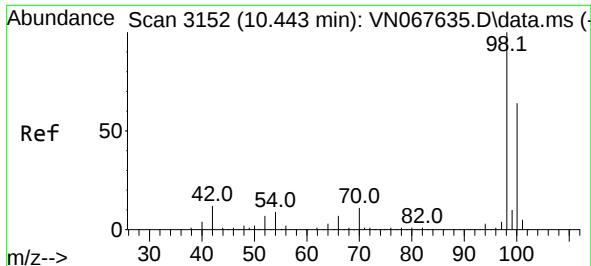
Tgt Ion:117 Resp: 39040
Ion Ratio Lower Upper
117 100
119 4.6 75.4 113.2#
121 0.0 23.5 35.3#



#41
Methacrylonitrile
Concen: 0.551 ug/l
RT: 7.702 min Scan# 2130
Delta R.T. 0.062 min
Lab File: VN067663.D
Acq: 8 Jul 2021 15:03

Tgt Ion: 41 Resp: 1600
Ion Ratio Lower Upper
41 100
39 45.3 47.6 71.4#
67 0.0 57.7 86.5#
52 0.0 26.2 39.4#

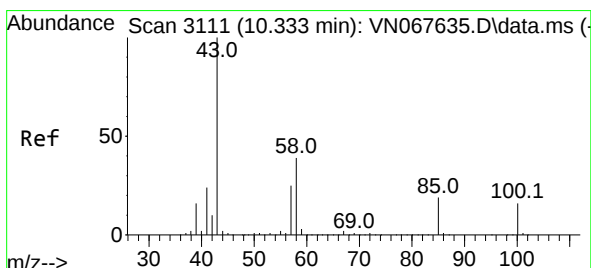
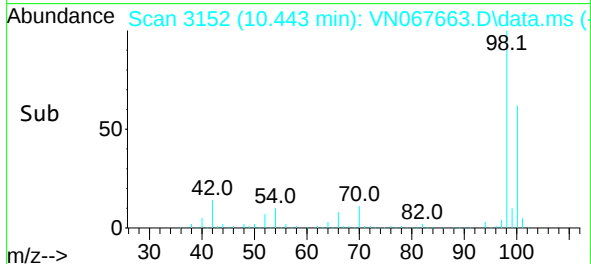
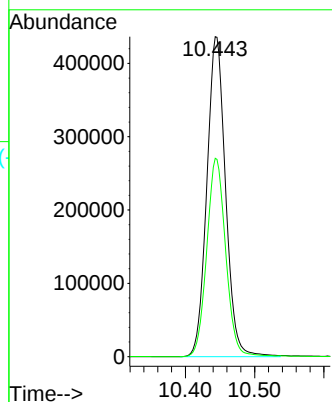
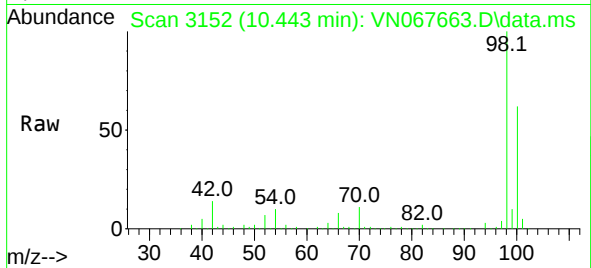




#50
Toluene-d8
Concen: 51.621 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN067663.D
Acq: 8 Jul 2021 15:03

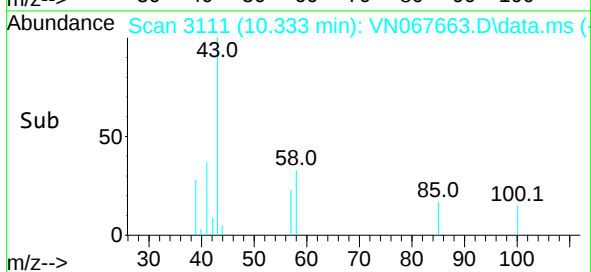
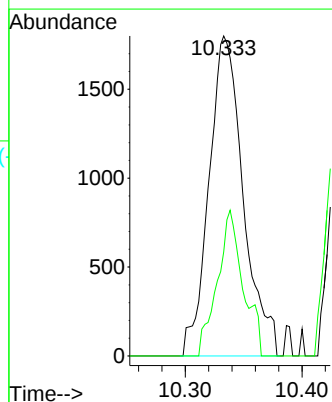
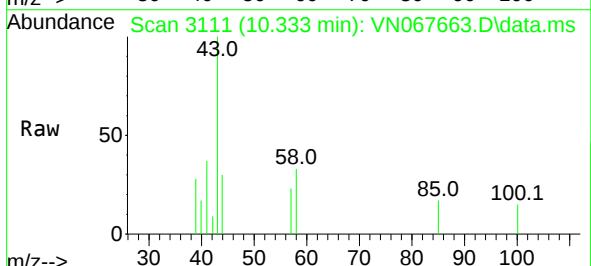
Instrument :
MSVOA_N
ClientSampled :

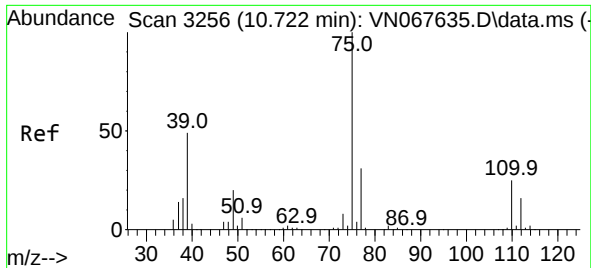
Tgt Ion: 98 Resp: 820012
Ion Ratio Lower Upper
98 100
100 62.7 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.602 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. -0.000 min
Lab File: VN067663.D
Acq: 8 Jul 2021 15:03

Tgt Ion: 43 Resp: 3677
Ion Ratio Lower Upper
43 100
58 34.0 28.6 43.0

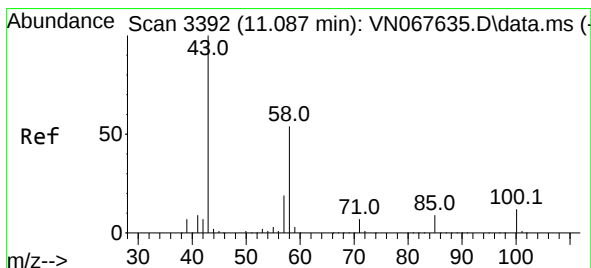
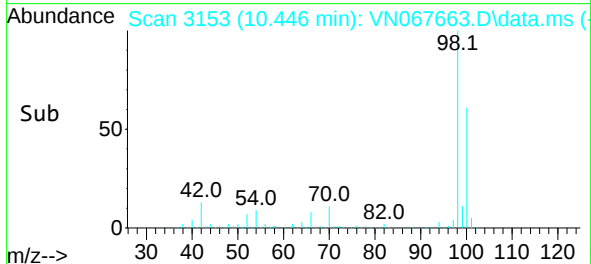
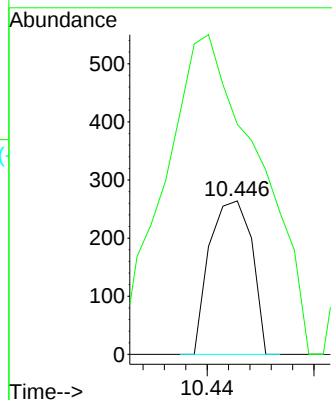
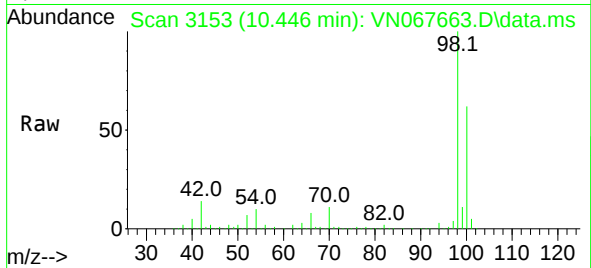




#53
t-1,3-Dichloropropene
Concen: 1.764 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. -0.276 min
Lab File: VN067663.D
Acq: 8 Jul 2021 15:03

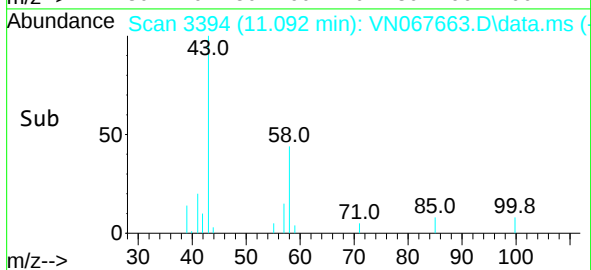
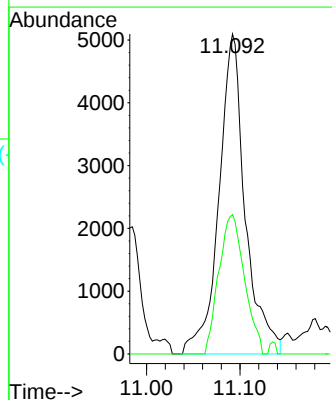
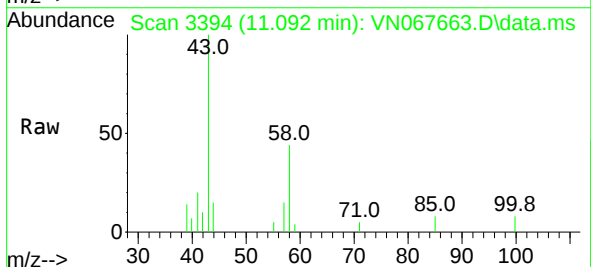
Instrument :
MSVOA_N
ClientSampled :

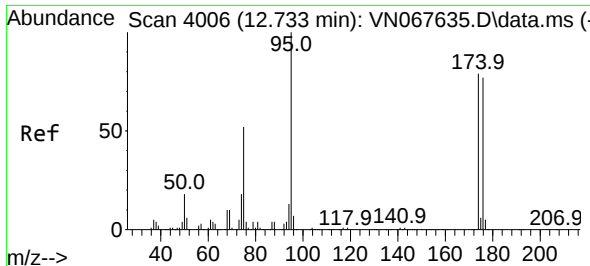
Tgt Ion: 75 Resp: 146
Ion Ratio Lower Upper
75 100
77 58.0 25.1 37.7#



#59
2-Hexanone
Concen: 2.326 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN067663.D
Acq: 8 Jul 2021 15:03

Tgt Ion: 43 Resp: 9920
Ion Ratio Lower Upper
43 100
58 42.5 24.7 74.1

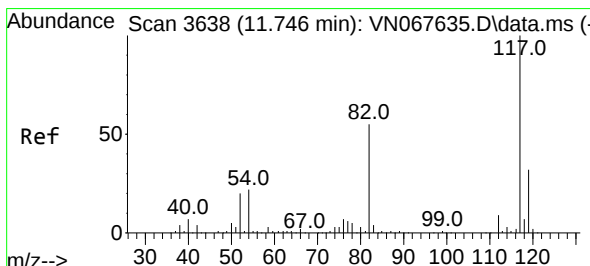
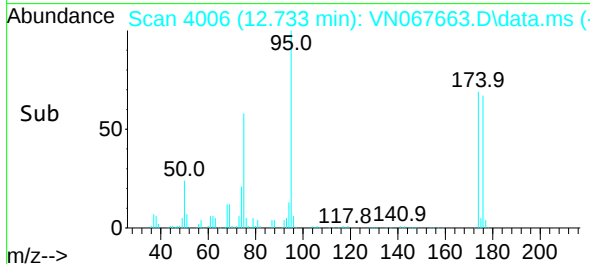
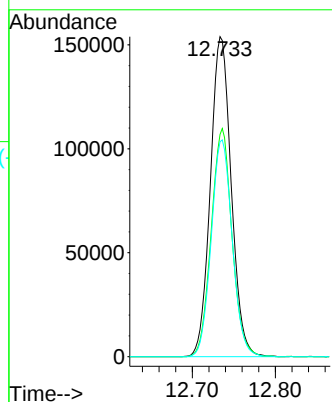
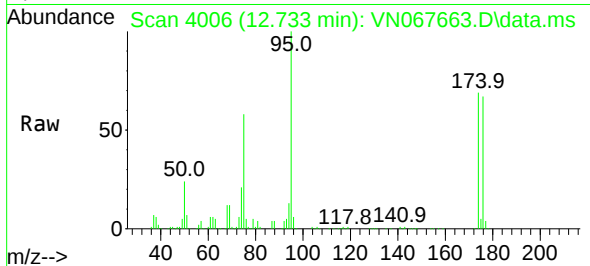




#62
4-Bromofluorobenzene
Concen: 47.787 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067663.D
Acq: 8 Jul 2021 15:03

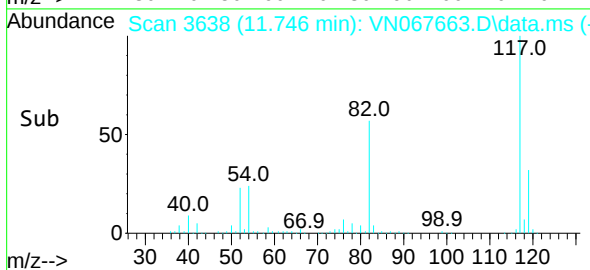
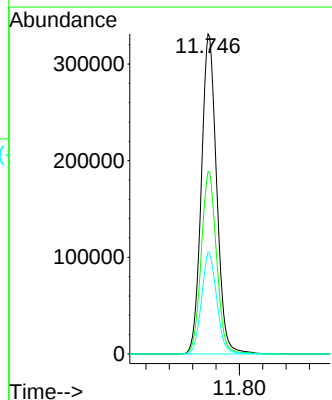
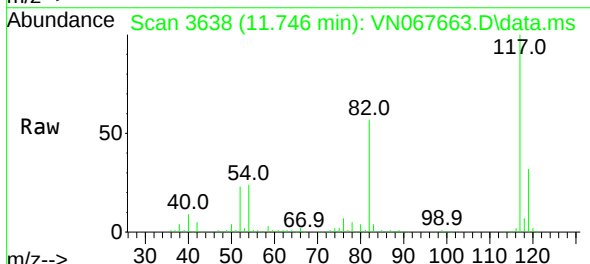
Instrument :
MSVOA_N
ClientSampleId :

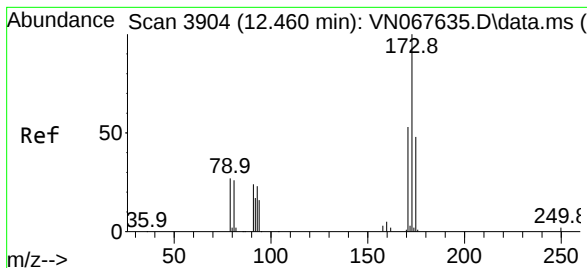
Tgt Ion: 95 Resp: 268160
Ion Ratio Lower Upper
95 100
174 71.2 0.0 122.0
176 68.2 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN067663.D
Acq: 8 Jul 2021 15:03

Tgt Ion: 117 Resp: 601446
Ion Ratio Lower Upper
117 100
82 57.0 53.1 79.7
119 31.8 25.5 38.3





#71

Bromoform

Concen: 3.199 ug/l

RT: 12.717 min Scan# 4000

Delta R.T. 0.257 min

Lab File: VN067663.D

Acq: 8 Jul 2021 15:03

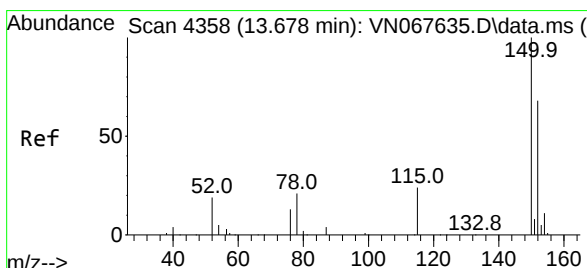
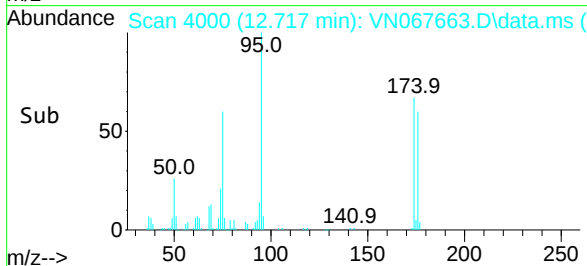
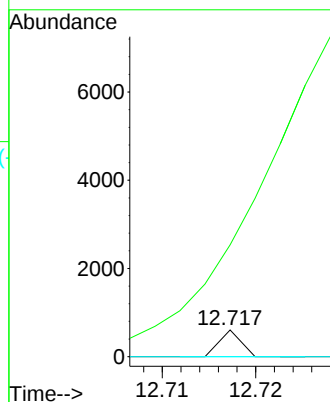
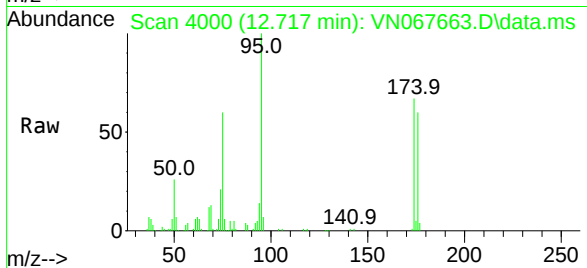
Tgt Ion:173 Resp: 97

Ion Ratio Lower Upper

173 100

175 13857.7 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: VN067663.D

Acq: 8 Jul 2021 15:03

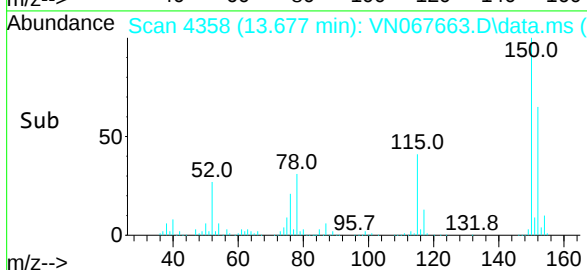
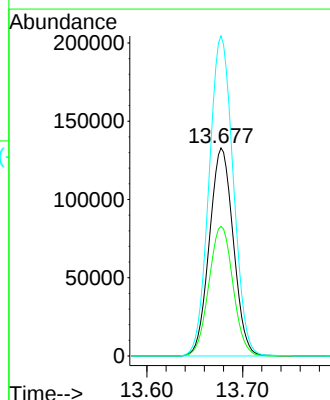
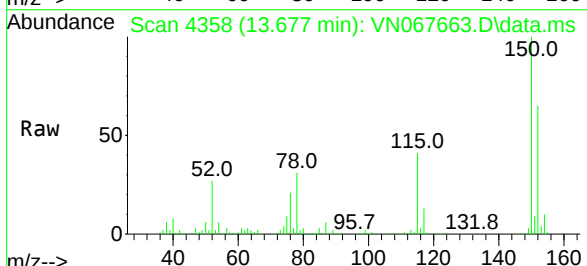
Tgt Ion:152 Resp: 230484

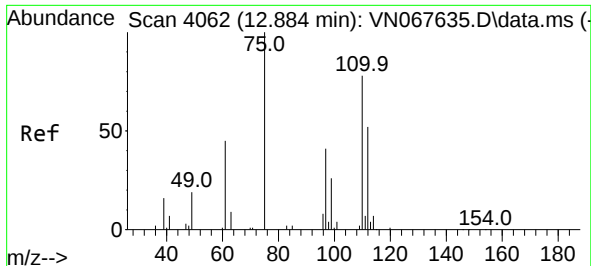
Ion Ratio Lower Upper

152 100

115 62.8 36.1 108.5

150 155.6 0.0 351.8

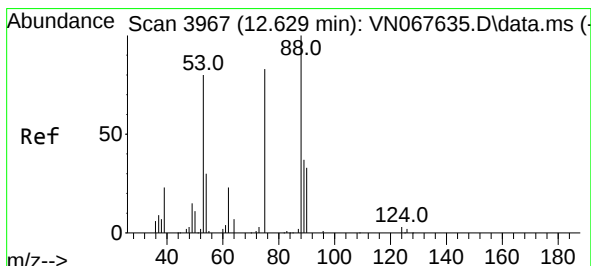
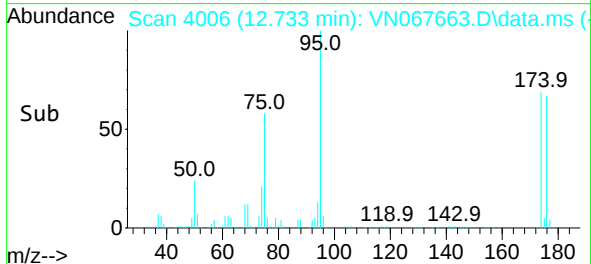
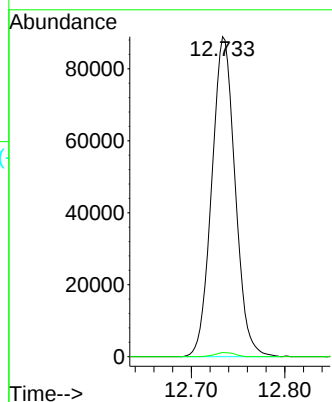
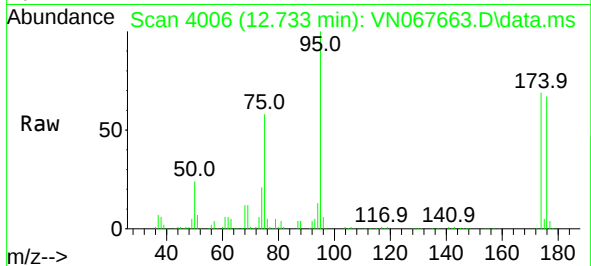




#76
1,2,3-Trichloropropane
Concen: 32.849 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN067663.D
Acq: 8 Jul 2021 15:03

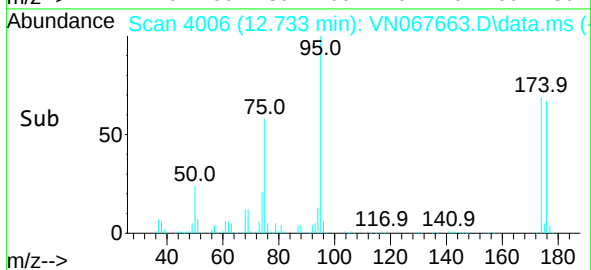
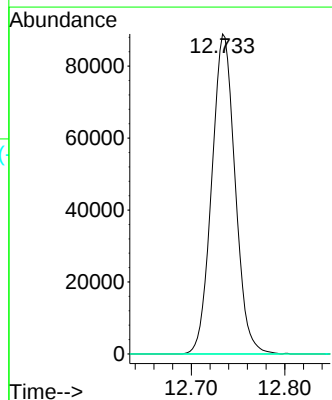
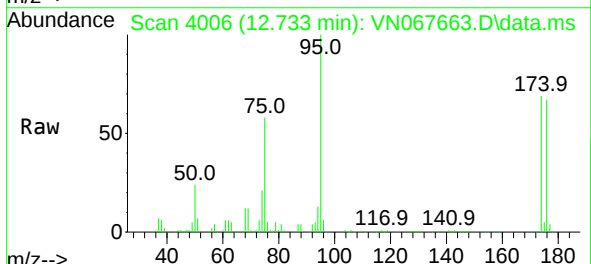
Instrument :
MSVOA_N
ClientSampled :

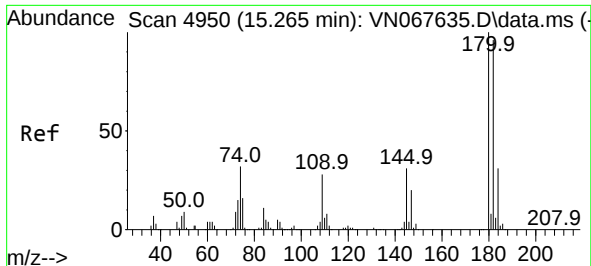
Tgt Ion: 75 Resp: 154618
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 105.909 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN067663.D
Acq: 8 Jul 2021 15:03

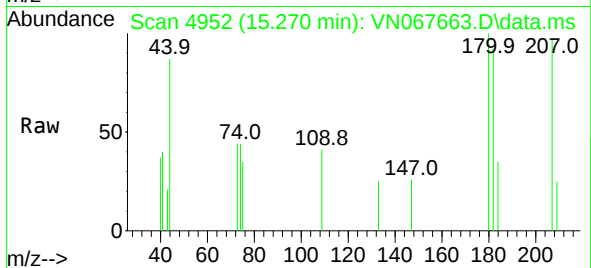
Tgt Ion: 75 Resp: 154618
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



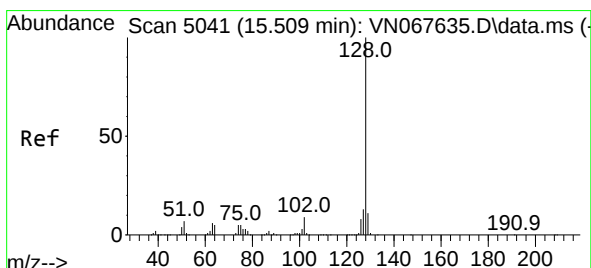
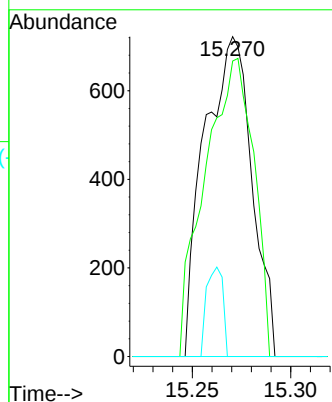
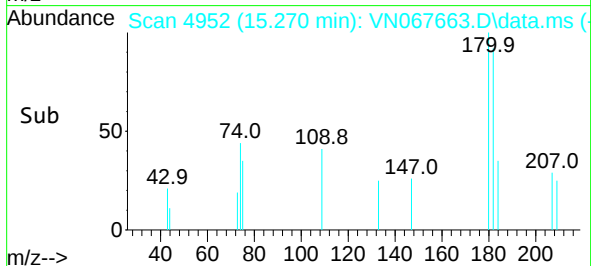


#93
1,2,4-Trichlorobenzene
Concen: 2.973 ug/l
RT: 15.270 min Scan# 4952
Delta R.T. 0.005 min
Lab File: VN067663.D
Acq: 8 Jul 2021 15:03

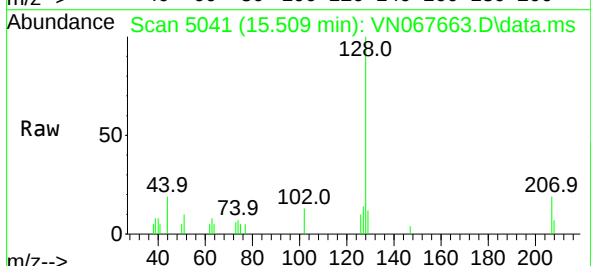
Instrument :
MSVOA_N
ClientSampled :



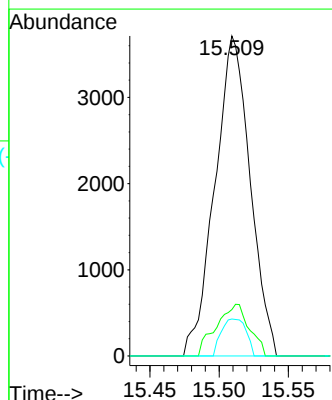
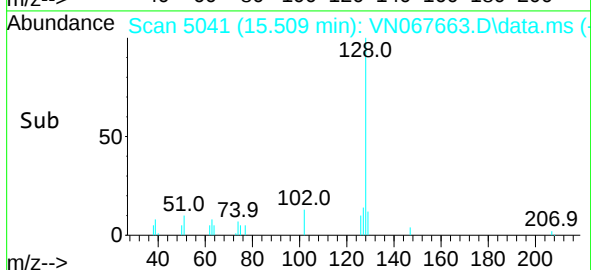
Tgt Ion:180 Resp: 1212
Ion Ratio Lower Upper
180 100
182 95.5 47.5 142.5
145 9.6 17.2 51.6#

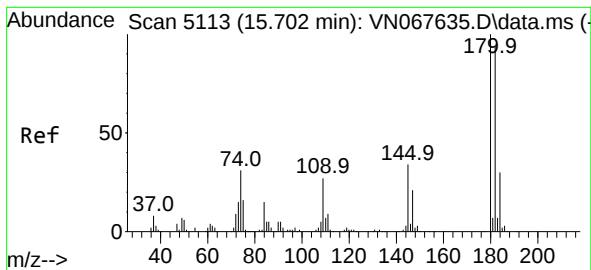


#95
Naphthalene
Concen: 3.558 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.000 min
Lab File: VN067663.D
Acq: 8 Jul 2021 15:03



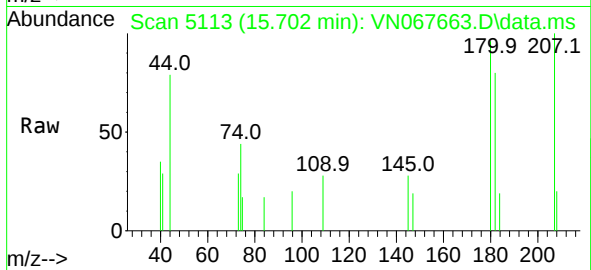
Tgt Ion:128 Resp: 6558
Ion Ratio Lower Upper
128 100
127 15.1 10.6 15.8
129 8.1 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.910 ug/l
 RT: 15.702 min Scan# 5113
 Delta R.T. 0.000 min
 Lab File: VN067663.D
 Acq: 8 Jul 2021 15:03

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 1079

Ion	Ratio	Lower	Upper
180	100		
182	121.0	47.8	143.3
145	38.1	18.2	54.6

