

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070821\
 Data File : VN067672.D
 Acq On : 8 Jul 2021 18:45
 Operator : JC/MD
 Sample : M2967-10
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 09 03:56:31 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)

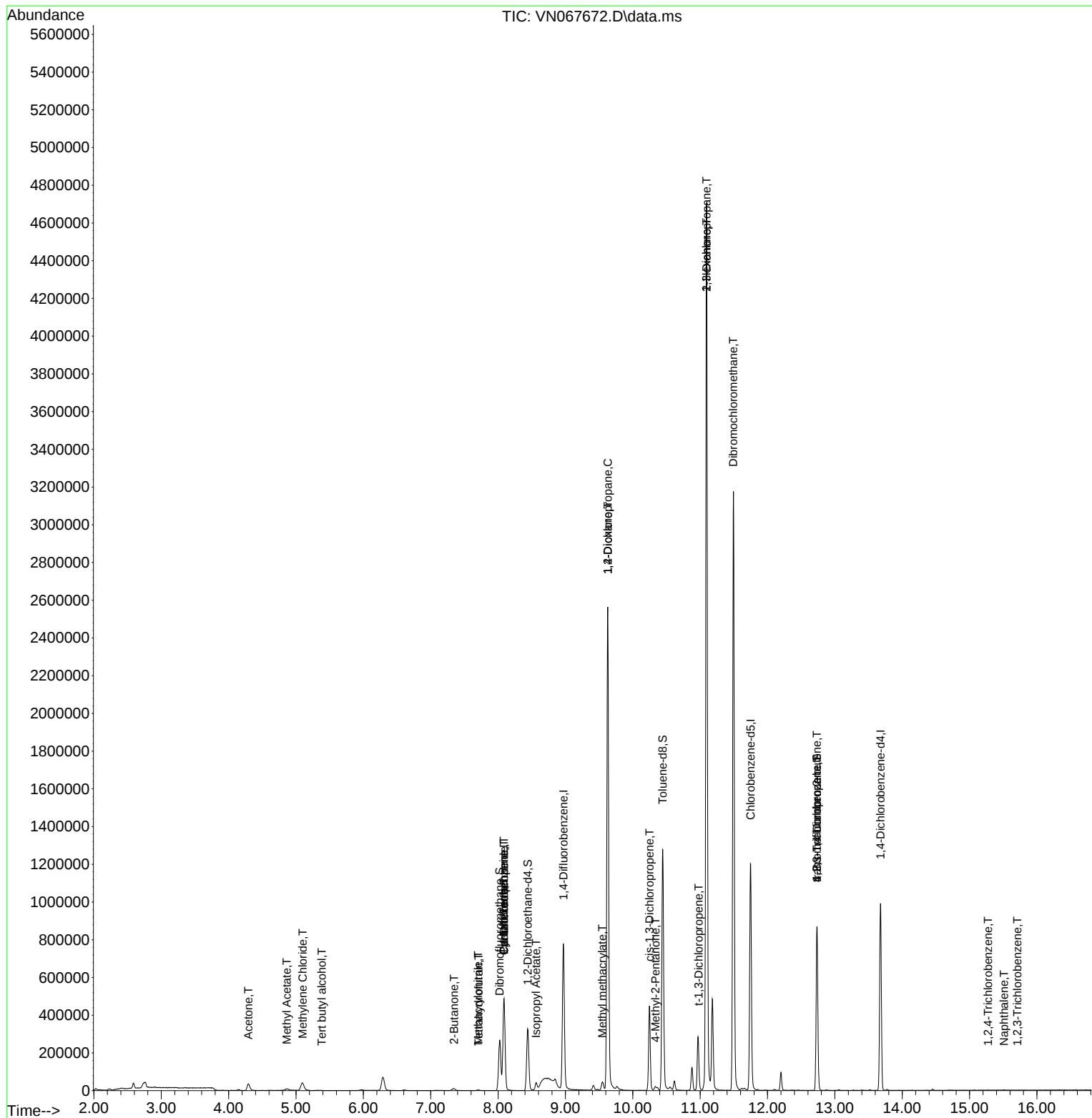
Internal Standards						
1) Pentafluorobenzene	8.088	168	348322	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	660803	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	705621	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	255061	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	273671	51.987	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 103.980%	
35) Dibromofluoromethane	8.024	113	193530	48.474	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 96.940%	
50) Toluene-d8	10.443	98	886774	53.065	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 106.120%	
62) 4-Bromofluorobenzene	12.733	95	303319	51.381	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 102.760%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.824	94	252	Below Cal	#	4
6) Chloroethane	3.006	64	85	Below Cal	#	44
11) Tert butyl alcohol	5.382	59	233	0.308	ug/l #	71
13) Acrolein	4.039	56	454	Below Cal	#	80
16) Acetone	4.293	43	66736	40.289	ug/l	99
18) Methyl Acetate	4.865	43	16542	3.555	ug/l	97
20) Methylene Chloride	5.098	84	30303	7.241	ug/l	90
25) 2-Butanone	7.345	43	11679	4.246	ug/l	100
29) Tetrahydrofuran	7.710	42	2703	1.494	ug/l	93
31) Cyclohexane	8.086	56	9577	1.297	ug/l #	20
36) 1,1-Dichloropropene	8.088	75	32318	5.265	ug/l #	52
38) Carbon Tetrachloride	8.086	117	38447	6.350	ug/l #	16
41) Methacrylonitrile	7.705	41	1687	0.552	ug/l #	39
43) Isopropyl Acetate	8.563	43	48642	4.649	ug/l #	91
45) 1,2-Dichloropropane	9.630	63	2726	0.586	ug/l #	44
48) Methyl methacrylate	9.547	41	11184	2.417	ug/l #	12
49) 1,4-Dioxane	9.630	88	267	34.940	ug/l #	1
51) 4-Methyl-2-Pentanone	10.336	43	12111	1.884	ug/l	96
53) t-1,3-Dichloropropene	10.977	75	24	1.747	ug/l #	43
54) cis-1,3-Dichloropropene	10.247	75	76513	10.662	ug/l #	62
57) 1,3-Dichloropropane	11.095	76	48129	6.085	ug/l #	43
59) 2-Hexanone	11.095	43	714280	159.214	ug/l #	54
60) Dibromochloromethane	11.492	129	466	2.435	ug/l #	11
76) 1,2,3-Trichloropropane	12.733	75	172306	33.080	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	172306	106.652	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.273	180	204	2.720	ug/l #	12
95) Naphthalene	15.512	128	1202	3.103	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.711	180	26	2.639	ug/l #	14

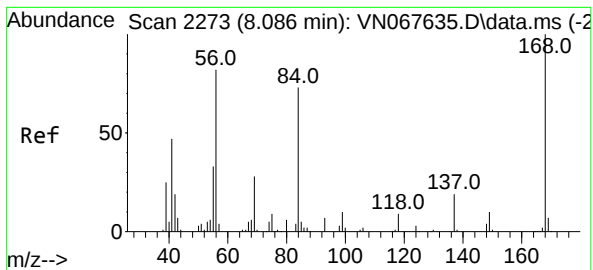
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN067672.D

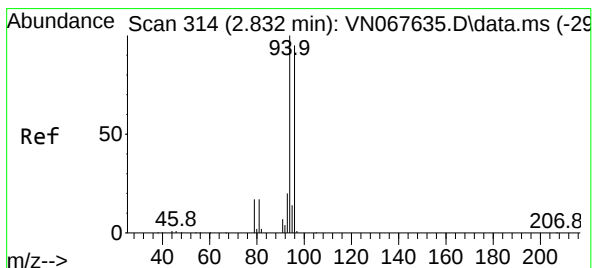
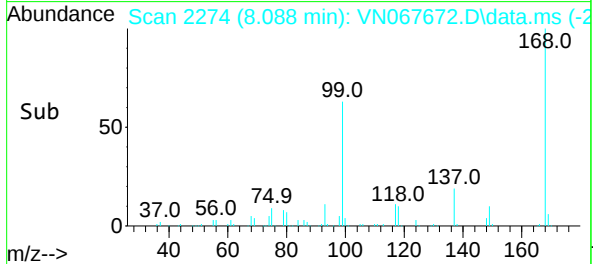
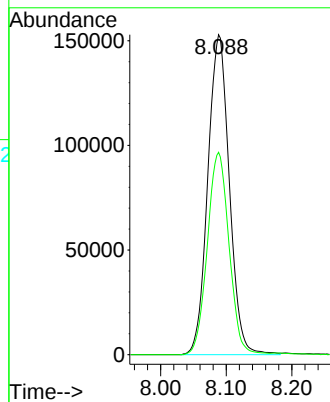
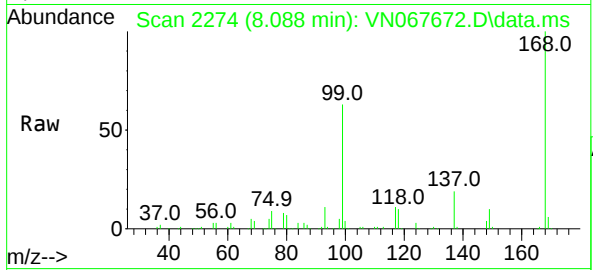
Acq: 8 Jul 2021 18:45

Tgt Ion:168 Resp: 348322

Ion Ratio Lower Upper

168 100

99 63.2 62.9 94.3



#5

Bromomethane

Concen: Below Cal

RT: 2.824 min Scan# 311

Delta R.T. -0.008 min

Lab File: VN067672.D

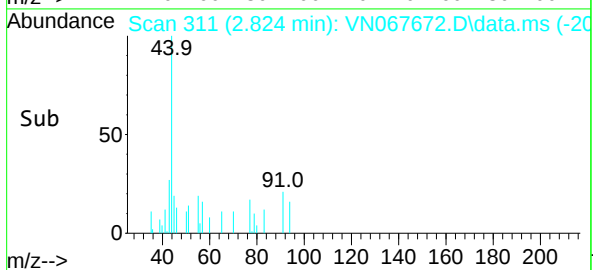
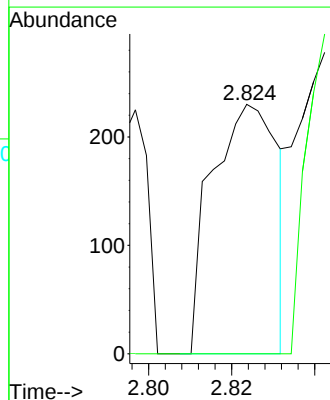
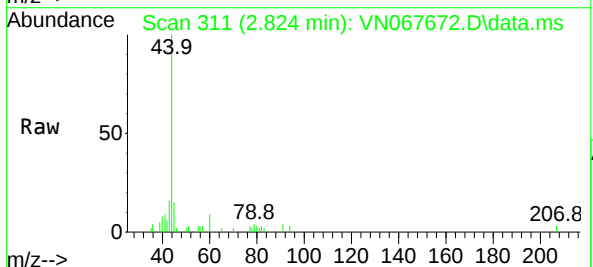
Acq: 8 Jul 2021 18:45

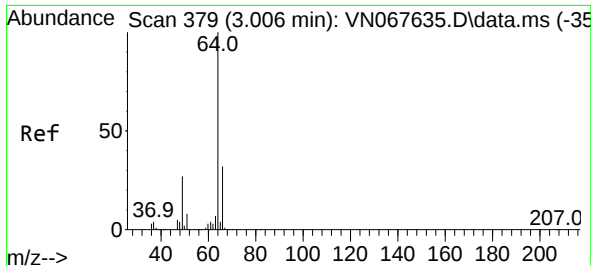
Tgt Ion: 94 Resp: 252

Ion Ratio Lower Upper

94 100

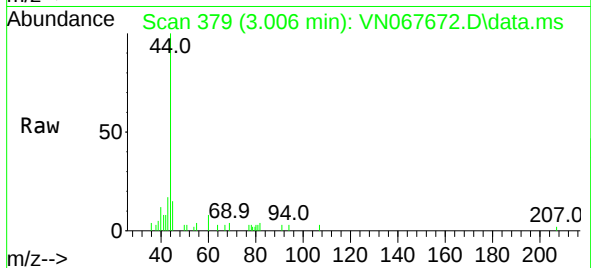
96 0.0 73.7 110.5#



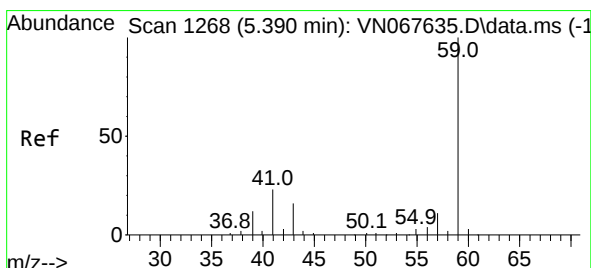
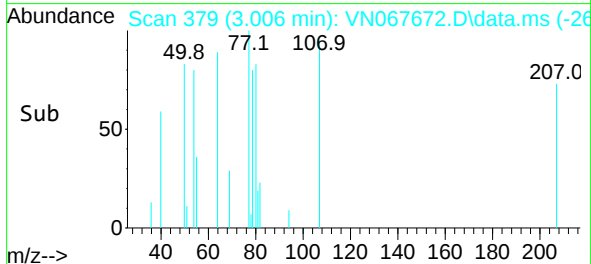
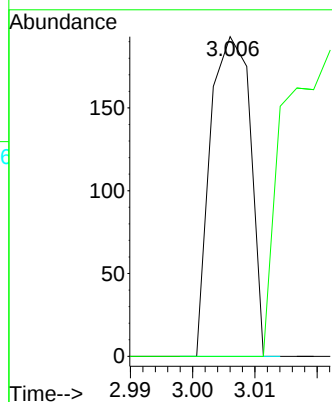


#6
Chloroethane
Concen: Below Cal
RT: 3.006 min Scan# 379
Delta R.T. 0.000 min
Lab File: VN067672.D
Acq: 8 Jul 2021 18:45

Instrument :
MSVOA_N
ClientSampled :

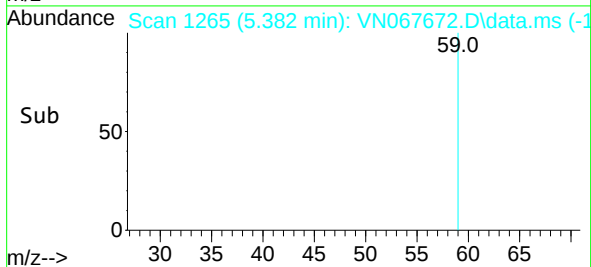
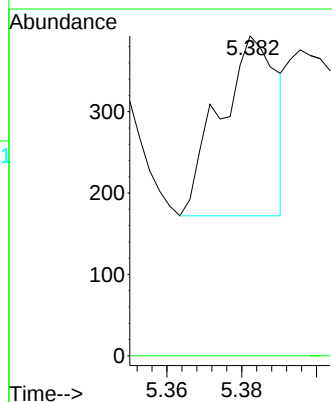
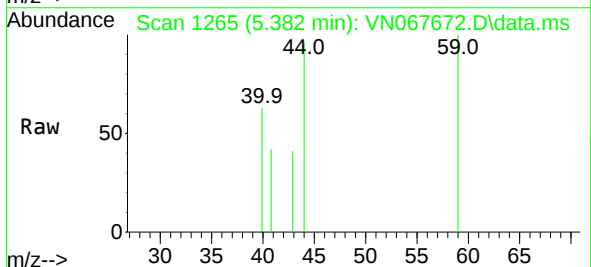


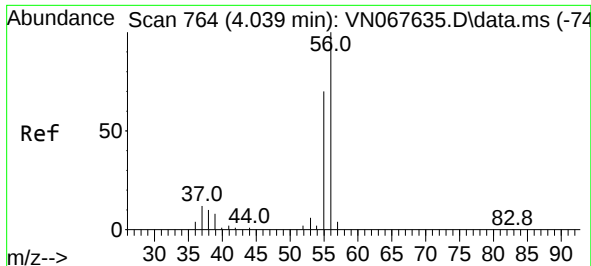
Tgt Ion: 64 Resp: 85
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#11
Tert butyl alcohol
Concen: 0.308 ug/l
RT: 5.382 min Scan# 1265
Delta R.T. -0.008 min
Lab File: VN067672.D
Acq: 8 Jul 2021 18:45

Tgt Ion: 59 Resp: 233
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

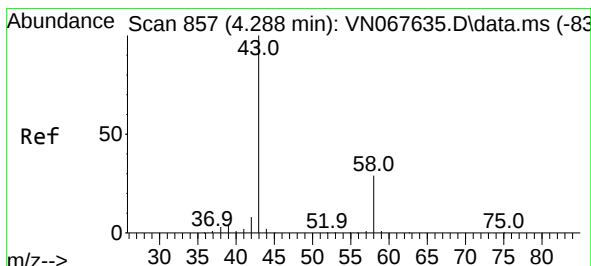
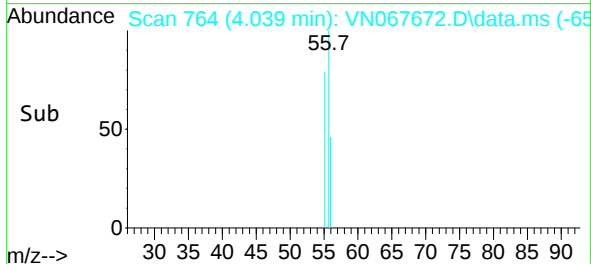
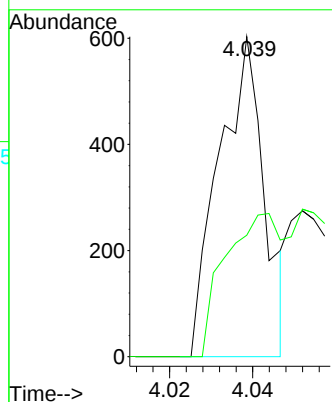
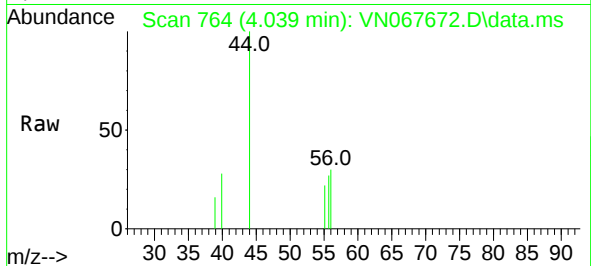




#13
Acrolein
Concen: Below Cal
RT: 4.039 min Scan# 764
Delta R.T. -0.000 min
Lab File: VN067672.D
Acq: 8 Jul 2021 18:45

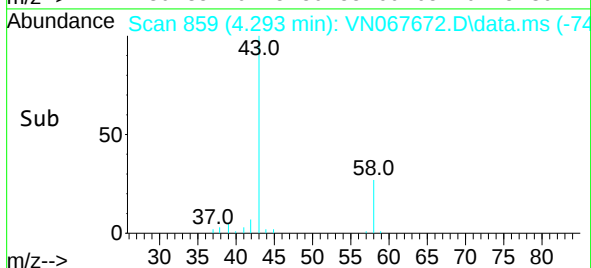
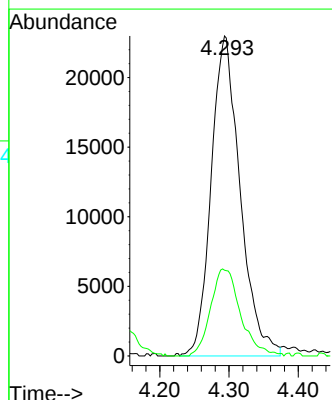
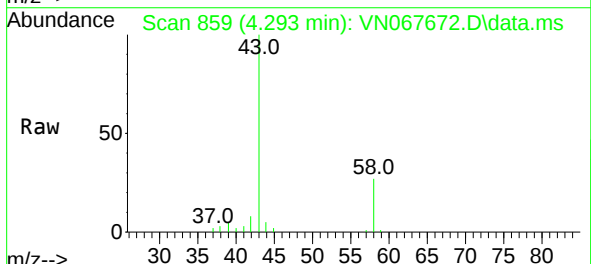
Instrument :
MSVOA_N
ClientSampled :

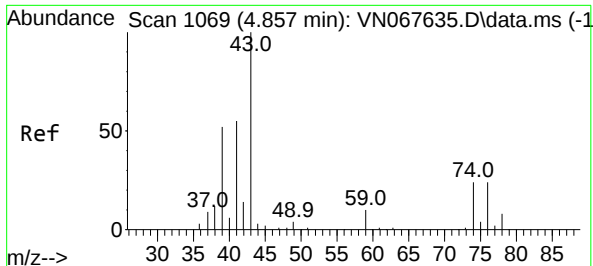
Tgt Ion: 56 Resp: 454
Ion Ratio Lower Upper
56 100
55 54.8 57.4 86.0#



#16
Acetone
Concen: 40.289 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.005 min
Lab File: VN067672.D
Acq: 8 Jul 2021 18:45

Tgt Ion: 43 Resp: 66736
Ion Ratio Lower Upper
43 100
58 26.8 21.2 31.8





#18

Methyl Acetate

Concen: 3.555 ug/l

RT: 4.865 min Scan# 1072

Delta R.T. 0.008 min

Lab File: VN067672.D

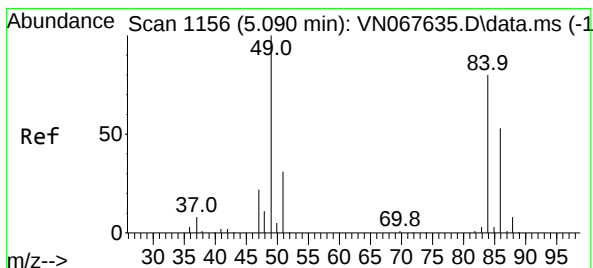
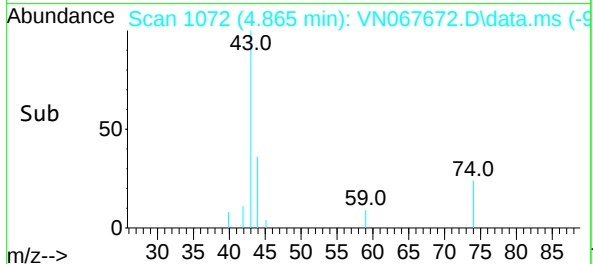
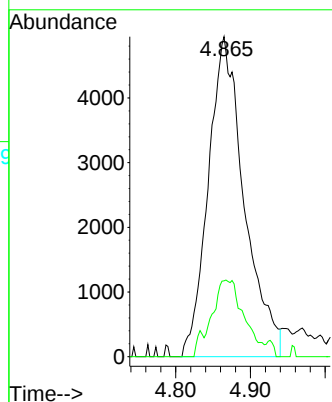
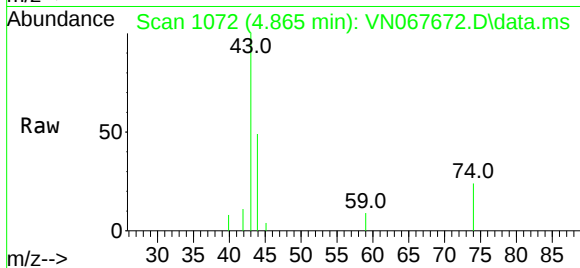
Acq: 8 Jul 2021 18:45

Tgt Ion: 43 Resp: 16542

Ion Ratio Lower Upper

43 100

74 20.3 17.4 26.0



#20

Methylene Chloride

Concen: 7.241 ug/l

RT: 5.098 min Scan# 1159

Delta R.T. 0.008 min

Lab File: VN067672.D

Acq: 8 Jul 2021 18:45

Tgt Ion: 84 Resp: 30303

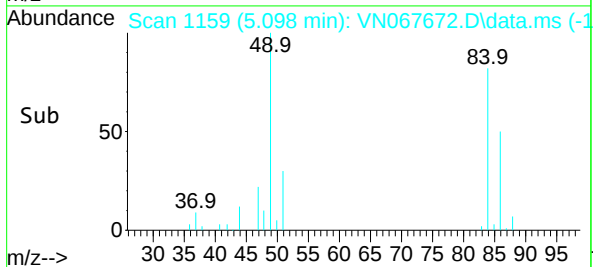
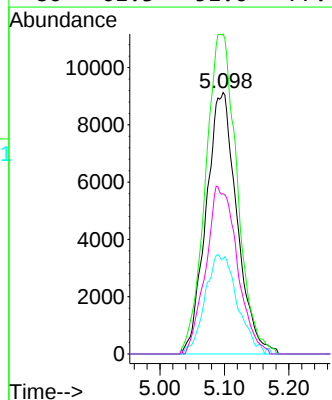
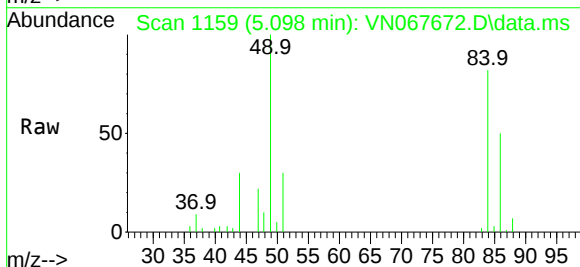
Ion Ratio Lower Upper

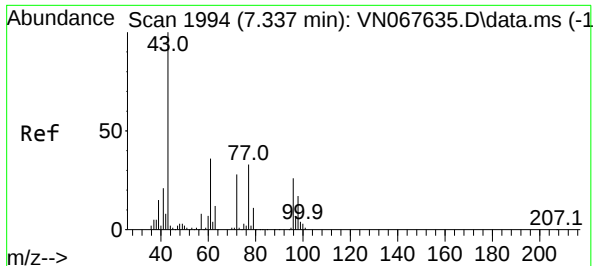
84 100

49 122.4 110.9 166.3

51 36.4 32.6 49.0

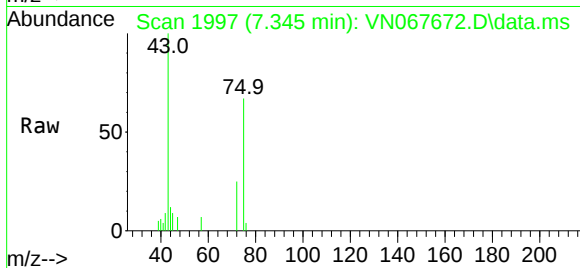
86 61.3 51.6 77.4



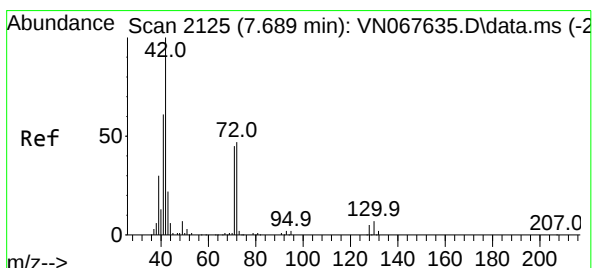
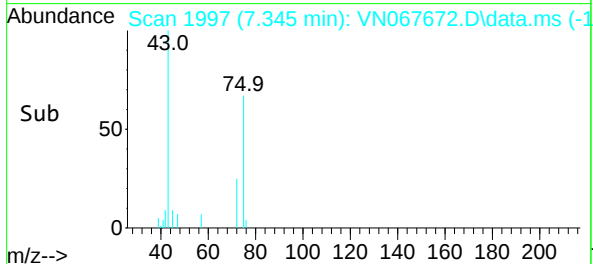
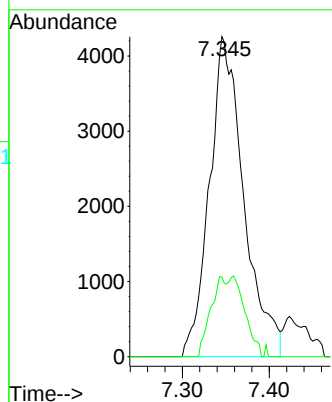


#25
2-Butanone
Concen: 4.246 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. 0.008 min
Lab File: VN067672.D
Acq: 8 Jul 2021 18:45

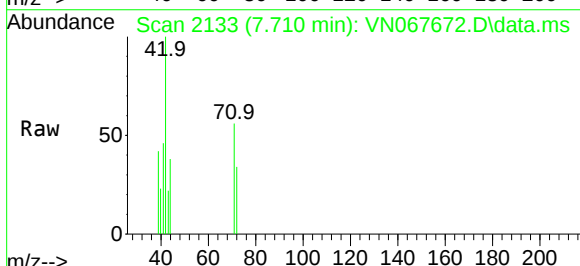
Instrument :
MSVOA_N
ClientSampled :



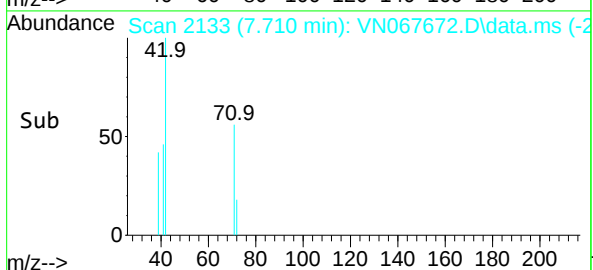
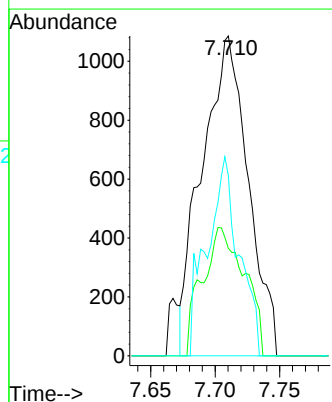
Tgt Ion: 43 Resp: 11679
Ion Ratio Lower Upper
43 100
72 24.8 19.7 29.5

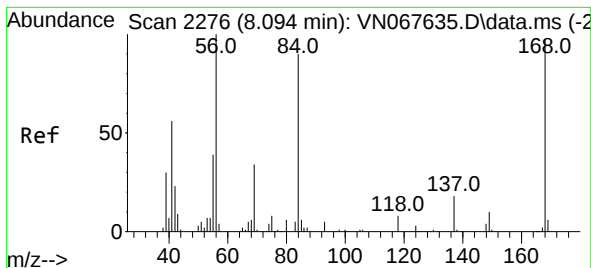


#29
Tetrahydrofuran
Concen: 1.494 ug/l
RT: 7.710 min Scan# 2133
Delta R.T. 0.021 min
Lab File: VN067672.D
Acq: 8 Jul 2021 18:45



Tgt Ion: 42 Resp: 2703
Ion Ratio Lower Upper
42 100
72 36.8 32.8 49.2
71 43.4 31.2 46.8

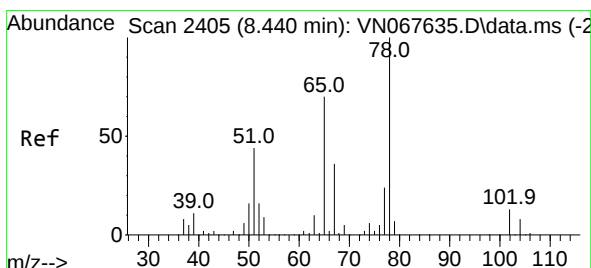
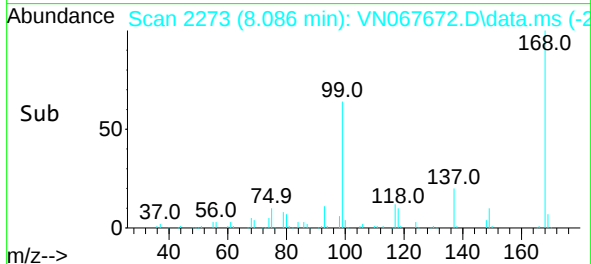
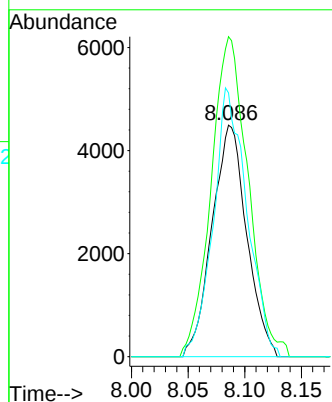
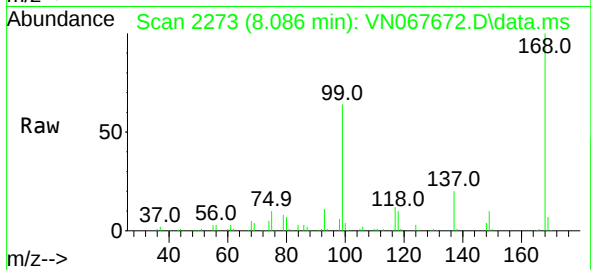




#31
Cyclohexane
Concen: 1.297 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN067672.D
Acq: 8 Jul 2021 18:45

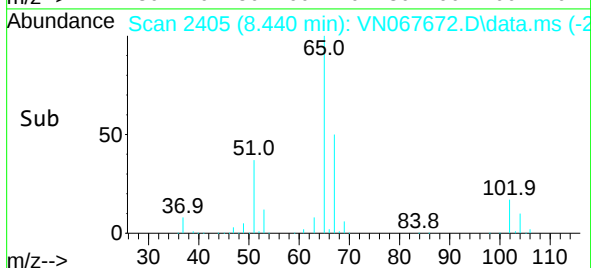
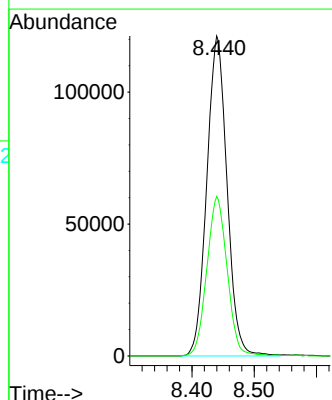
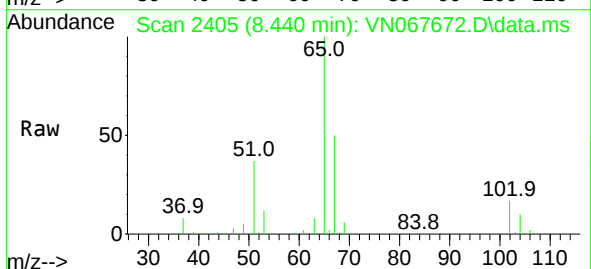
Instrument :
MSVOA_N
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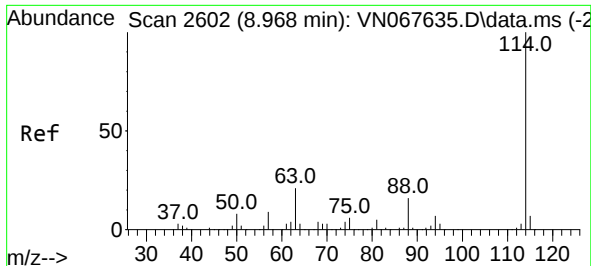
Tgt Ion: 56 Resp: 9577
Ion Ratio Lower Upper
56 100
69 138.2 27.3 40.9#
84 114.0 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 51.987 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067672.D
Acq: 8 Jul 2021 18:45

Tgt Ion: 65 Resp: 273671
Ion Ratio Lower Upper
65 100
67 49.8 0.0 98.6

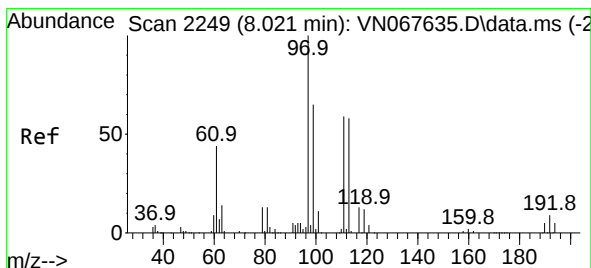
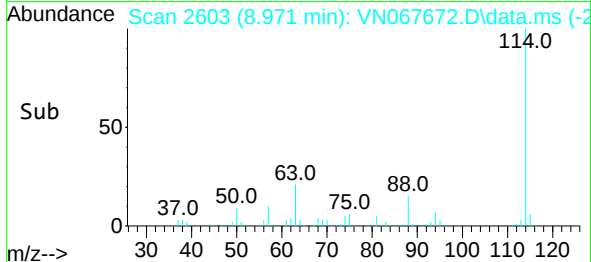
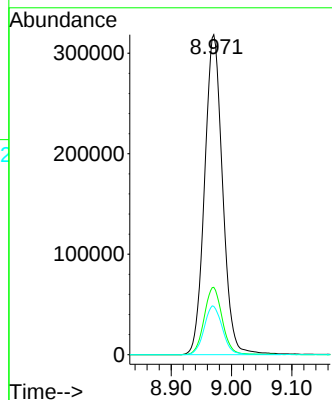
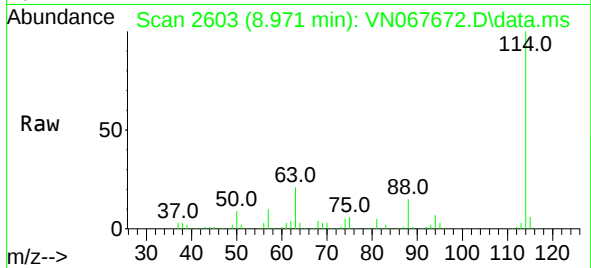




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067672.D
Acq: 8 Jul 2021 18:45

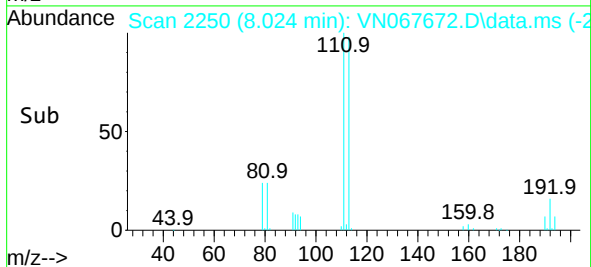
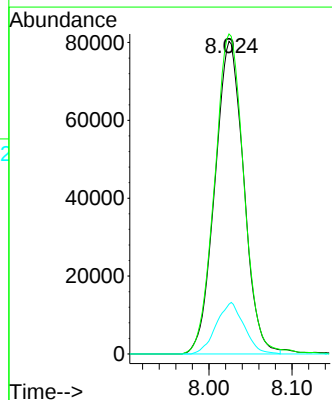
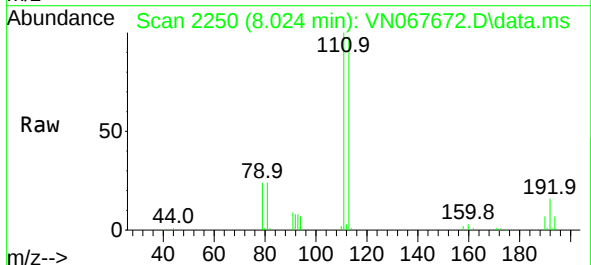
Instrument :
MSVOA_N
ClientSampled :

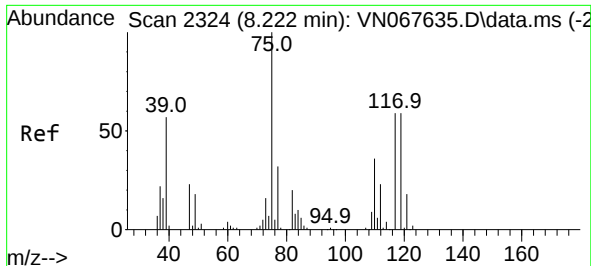
Tgt Ion:114 Resp: 660803
Ion Ratio Lower Upper
114 100
63 21.1 0.0 49.0
88 15.1 0.0 36.6



#35
Dibromofluoromethane
Concen: 48.474 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN067672.D
Acq: 8 Jul 2021 18:45

Tgt Ion:113 Resp: 193530
Ion Ratio Lower Upper
113 100
111 104.2 83.8 125.8
192 16.0 13.4 20.0





#36

1,1-Dichloropropene

Concen: 5.265 ug/l

RT: 8.088 min Scan# 2274

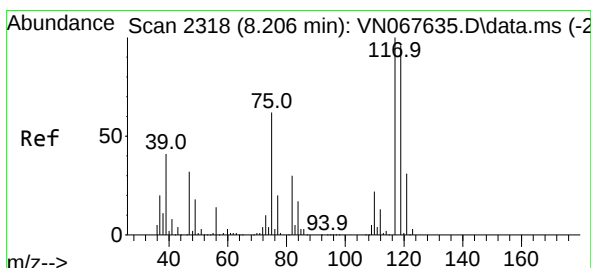
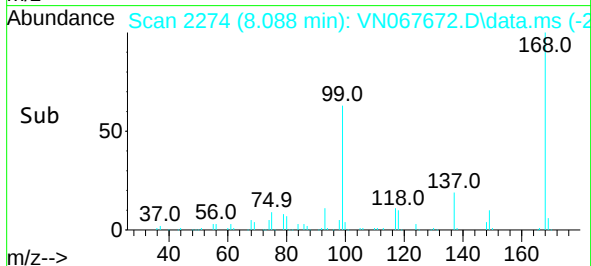
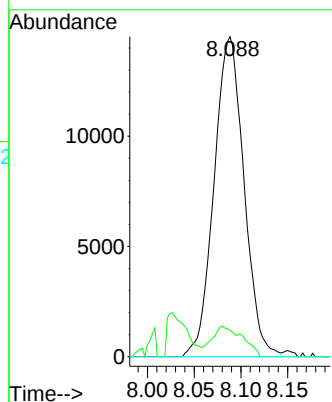
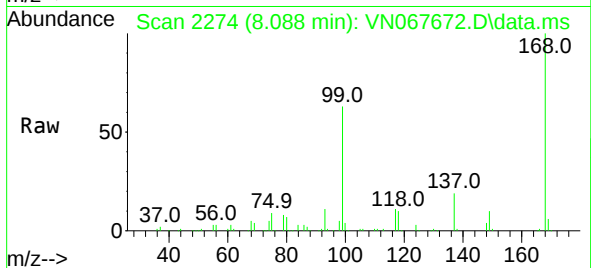
Delta R.T. -0.134 min

Lab File: VN067672.D

Acq: 8 Jul 2021 18:45

Tgt Ion: 75	Resp: 32318
Ion Ratio	Lower Upper
75 100	
110 9.7	15.7 47.0#
77 0.0	24.6 37.0#

Instrument :
MSVOA_N
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 6.350 ug/l

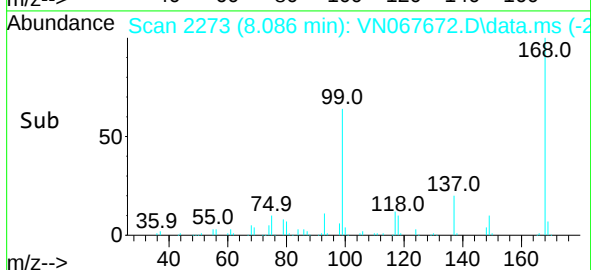
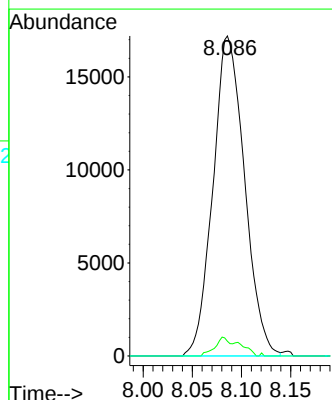
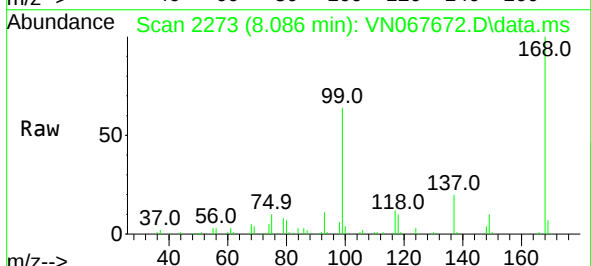
RT: 8.086 min Scan# 2273

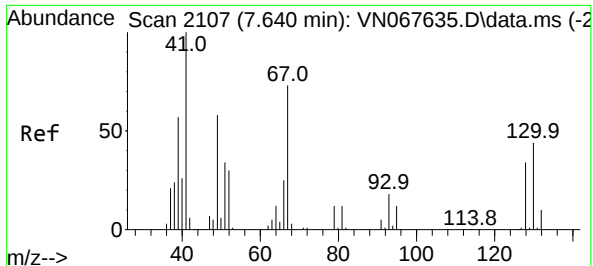
Delta R.T. -0.120 min

Lab File: VN067672.D

Acq: 8 Jul 2021 18:45

Tgt Ion: 117	Resp: 38447
Ion Ratio	Lower Upper
117 100	
119 4.6	75.4 113.2#
121 0.0	23.5 35.3#



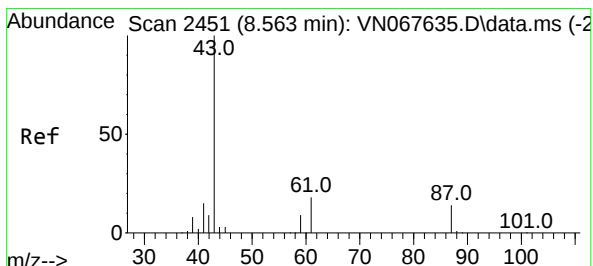
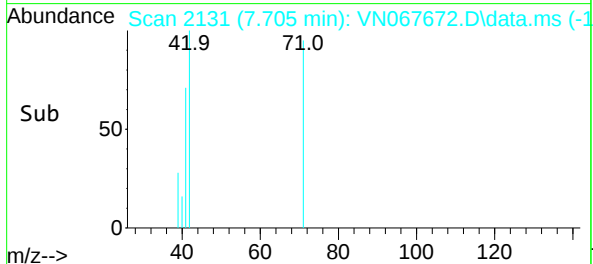
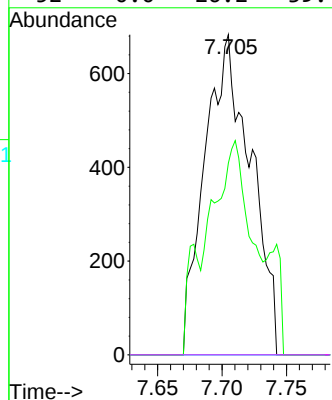
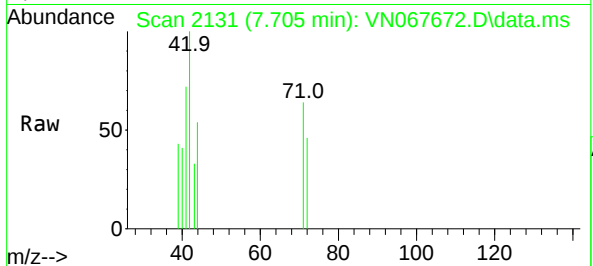


#41
Methacrylonitrile
Concen: 0.552 ug/l
RT: 7.705 min Scan# 2131
Delta R.T. 0.065 min
Lab File: VN067672.D
Acq: 8 Jul 2021 18:45

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 41 Resp: 1687

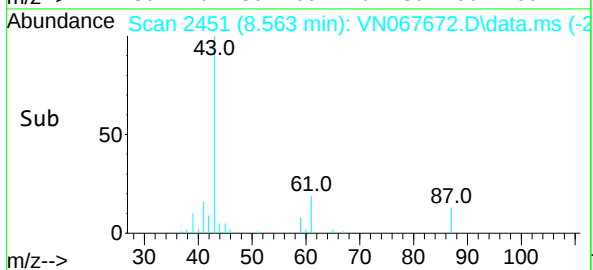
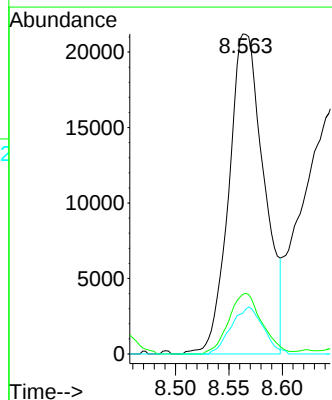
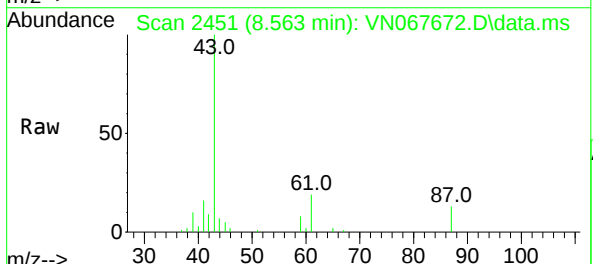
Ion	Ratio	Lower	Upper
41	100		
39	34.6	47.6	71.4#
67	0.0	57.7	86.5#
52	0.0	26.2	39.4#

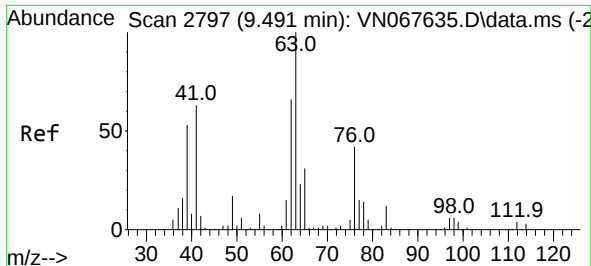


#43
Isopropyl Acetate
Concen: 4.649 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.000 min
Lab File: VN067672.D
Acq: 8 Jul 2021 18:45

Tgt Ion: 43 Resp: 48642

Ion	Ratio	Lower	Upper
43	100		
61	17.9	19.0	28.4#
87	13.4	9.5	14.3

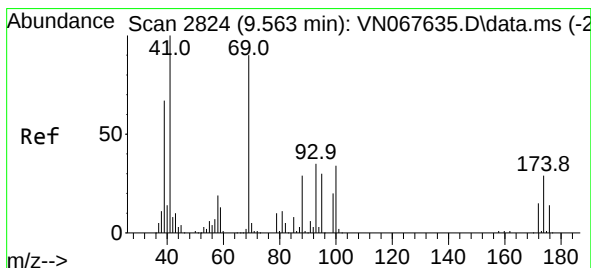
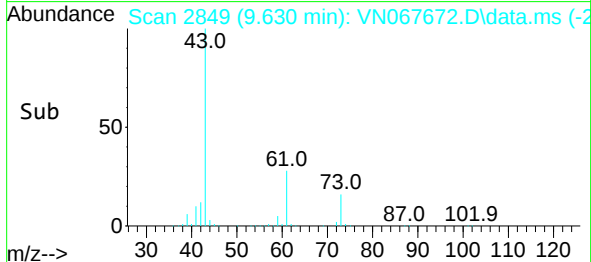
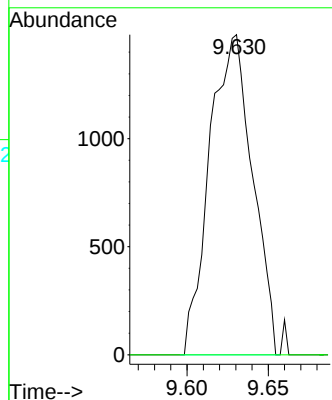
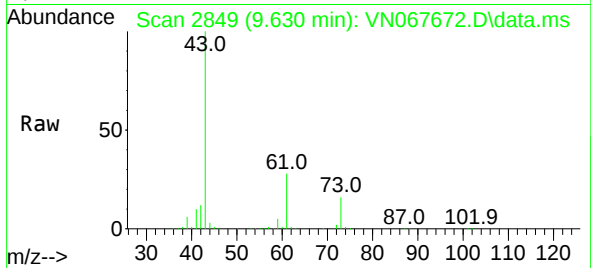




#45
1,2-Dichloropropane
Concen: 0.586 ug/l
RT: 9.630 min Scan# 2849
Delta R.T. 0.139 min
Lab File: VN067672.D
Acq: 8 Jul 2021 18:45

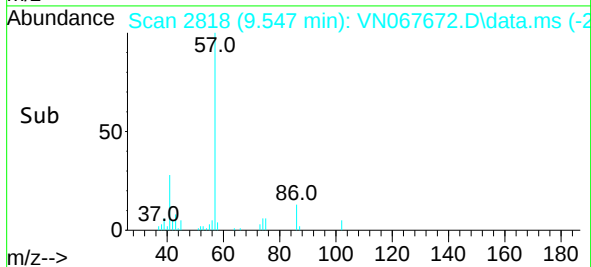
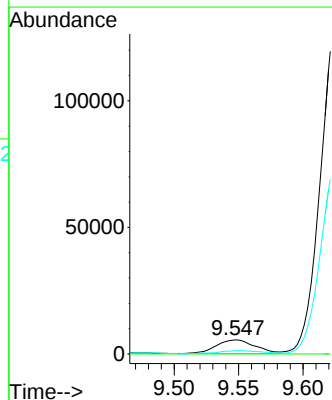
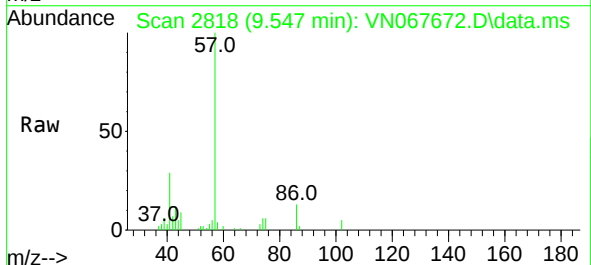
Instrument :
MSVOA_N
ClientSampled :

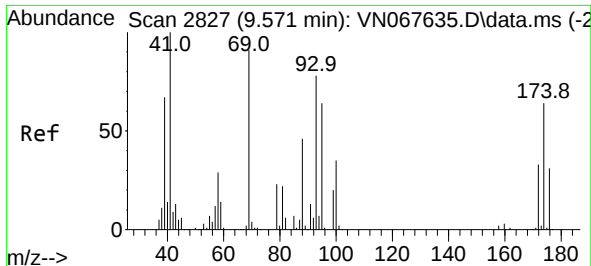
Tgt Ion: 63 Resp: 2726
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#



#48
Methyl methacrylate
Concen: 2.417 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.016 min
Lab File: VN067672.D
Acq: 8 Jul 2021 18:45

Tgt Ion: 41 Resp: 11184
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: 34.940 ug/l

RT: 9.630 min Scan# 2849

Delta R.T. 0.059 min

Lab File: VN067672.D

Acq: 8 Jul 2021 18:45

Tgt Ion: 88 Resp: 267

Ion Ratio Lower Upper

88 100

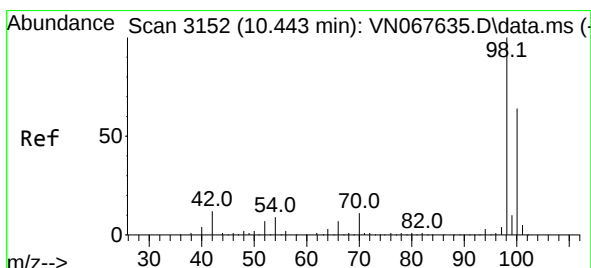
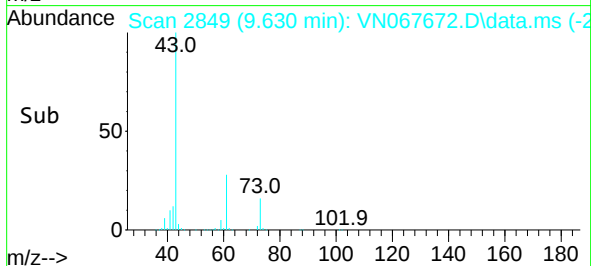
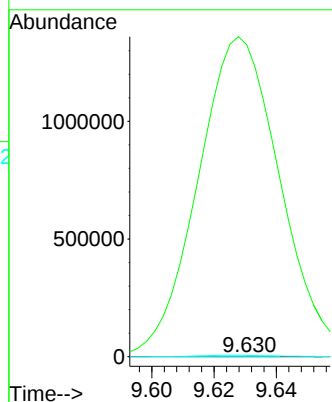
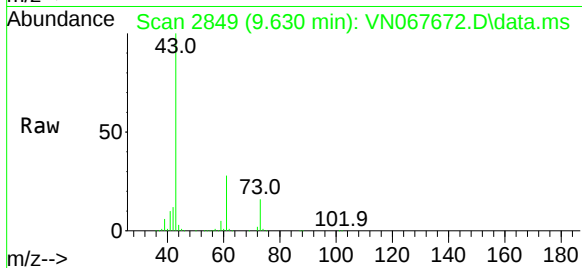
43 955458.4 28.8 43.2#

58 4244.6 60.4 90.6#

Instrument :

MSVOA_N

ClientSampleId :



#50

Toluene-d8

Concen: 53.065 ug/l

RT: 10.443 min Scan# 3152

Delta R.T. 0.000 min

Lab File: VN067672.D

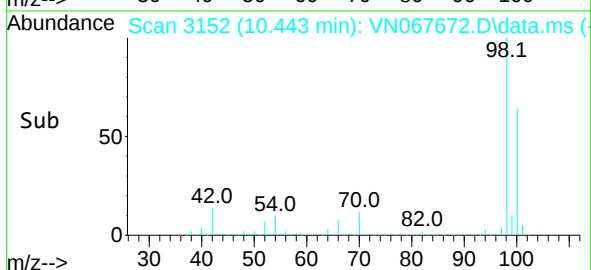
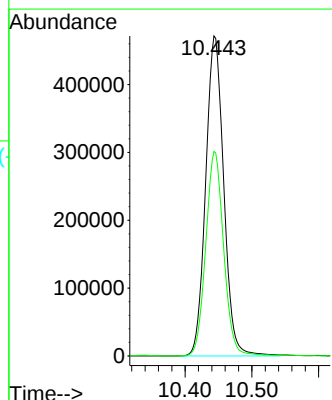
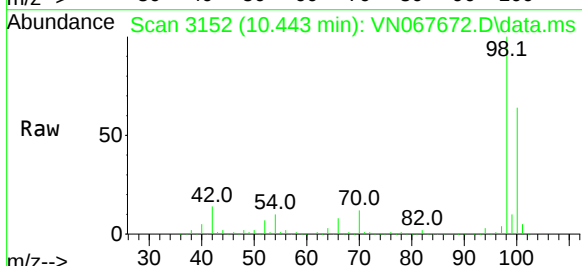
Acq: 8 Jul 2021 18:45

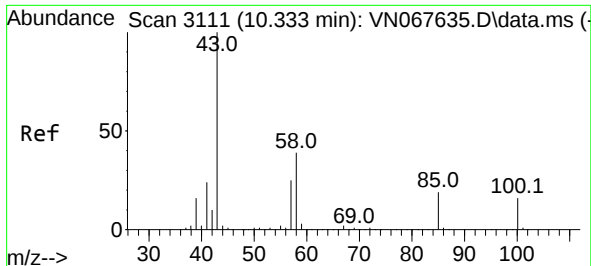
Tgt Ion: 98 Resp: 886774

Ion Ratio Lower Upper

98 100

100 63.2 51.7 77.5

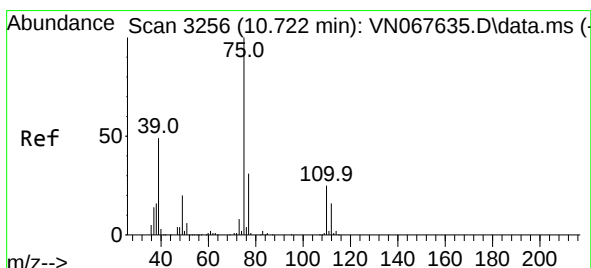
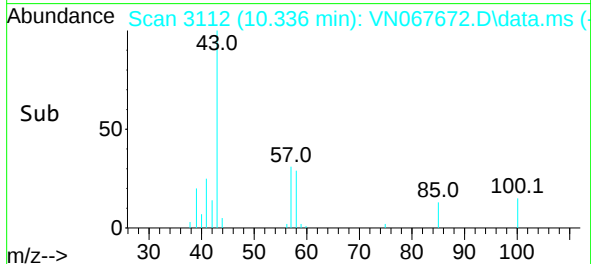
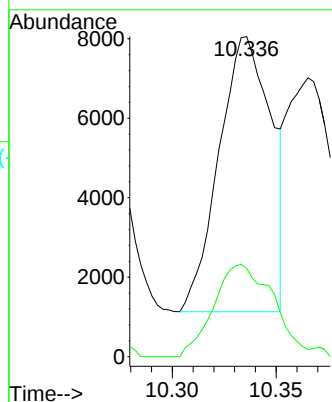
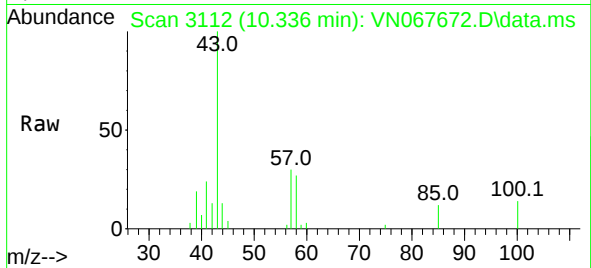




#51
4-Methyl-2-Pentanone
Concen: 1.884 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN067672.D
Acq: 8 Jul 2021 18:45

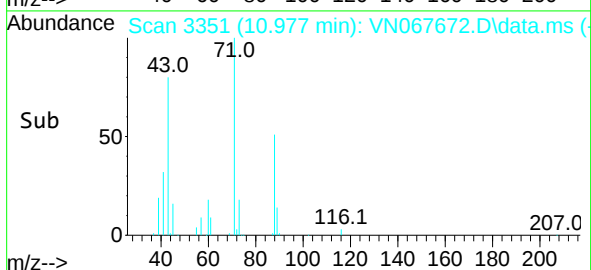
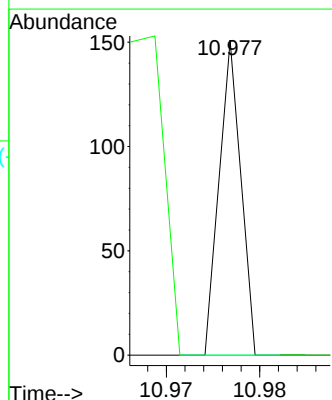
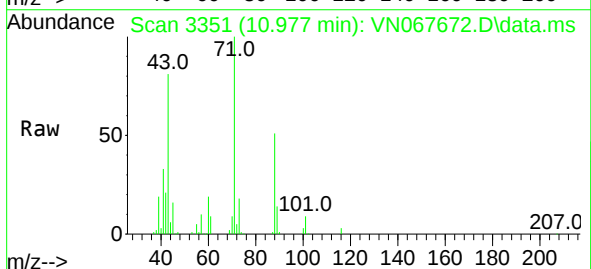
Instrument :
MSVOA_N
ClientSampled :

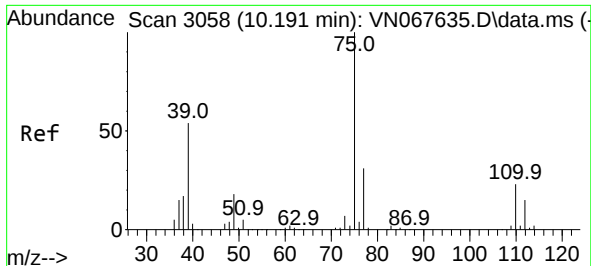
Tgt Ion: 43 Resp: 12111
Ion Ratio Lower Upper
43 100
58 38.0 28.6 43.0



#53
t-1,3-Dichloropropene
Concen: 1.747 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. 0.255 min
Lab File: VN067672.D
Acq: 8 Jul 2021 18:45

Tgt Ion: 75 Resp: 24
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#

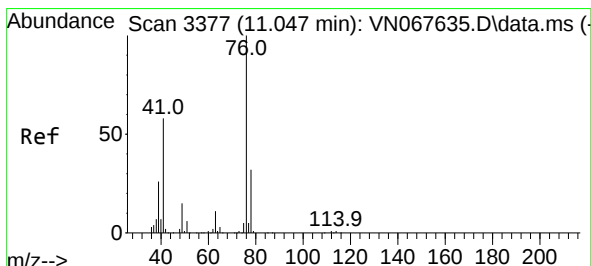
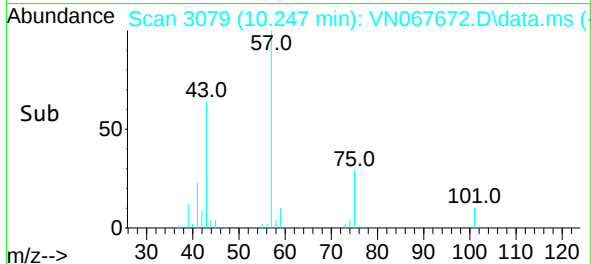
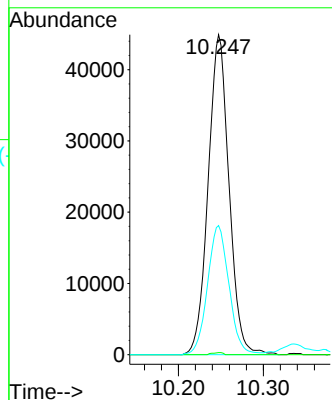
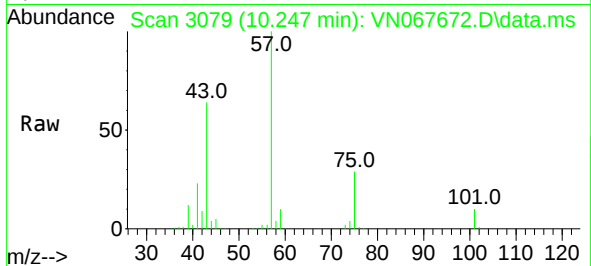




#54
 cis-1,3-Dichloropropene
 Concen: 10.662 ug/l
 RT: 10.247 min Scan# 3079
 Delta R.T. 0.056 min
 Lab File: VN067672.D
 Acq: 8 Jul 2021 18:45

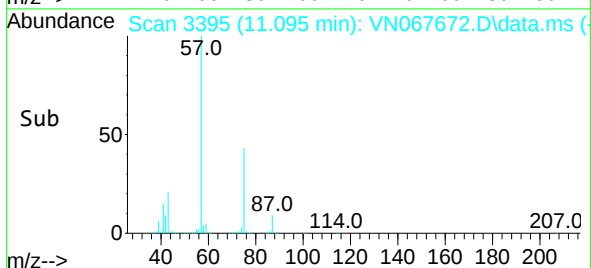
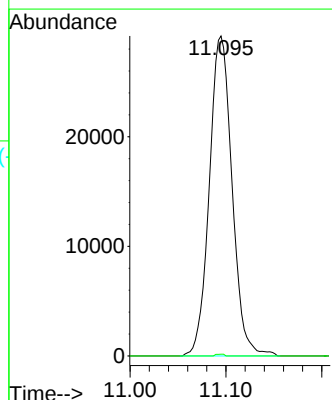
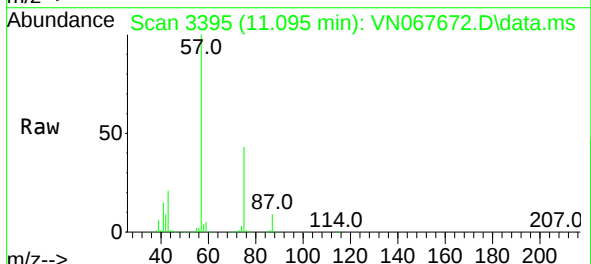
Instrument :
 MSVOA_N
 ClientSampleId :

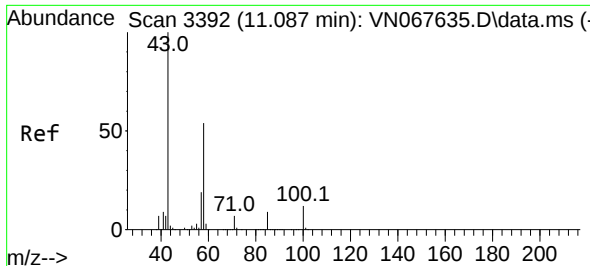
Tgt Ion: 75 Resp: 76513
 Ion Ratio Lower Upper
 75 100
 77 0.7 24.6 37.0#
 39 39.8 50.7 76.1#



#57
 1,3-Dichloropropane
 Concen: 6.085 ug/l
 RT: 11.095 min Scan# 3395
 Delta R.T. 0.048 min
 Lab File: VN067672.D
 Acq: 8 Jul 2021 18:45

Tgt Ion: 76 Resp: 48129
 Ion Ratio Lower Upper
 76 100
 78 0.2 25.7 38.5#

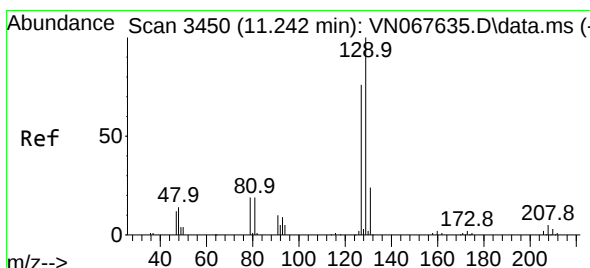
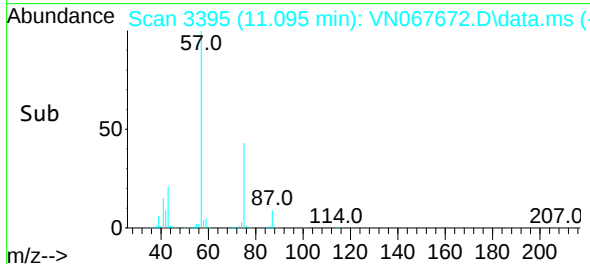
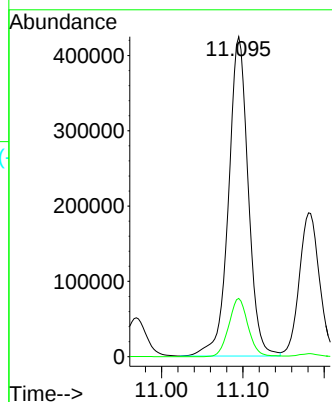
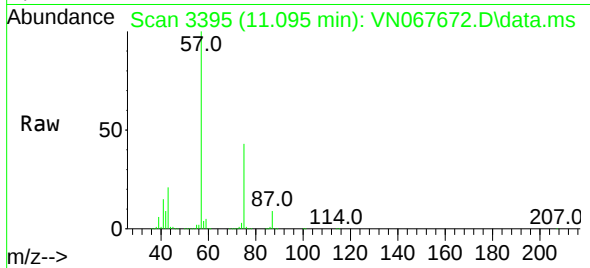




#59
2-Hexanone
Concen: 159.214 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN067672.D
Acq: 8 Jul 2021 18:45

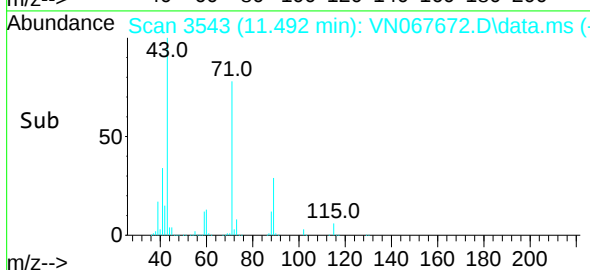
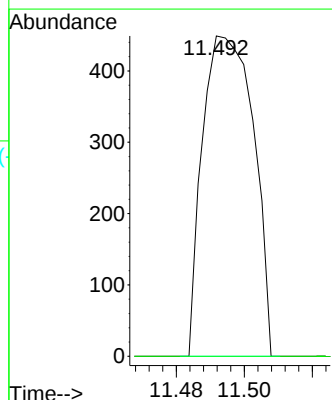
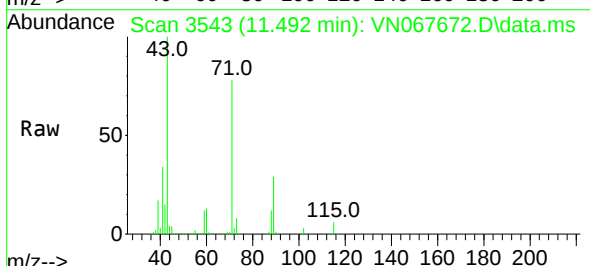
Instrument :
MSVOA_N
ClientSampled :

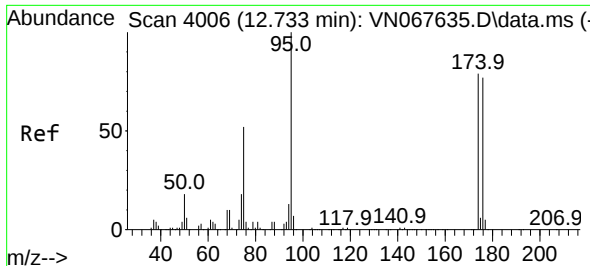
Tgt Ion: 43 Resp: 714280
Ion Ratio Lower Upper
43 100
58 17.9 24.7 74.1#



#60
Dibromochloromethane
Concen: 2.435 ug/l
RT: 11.492 min Scan# 3543
Delta R.T. 0.250 min
Lab File: VN067672.D
Acq: 8 Jul 2021 18:45

Tgt Ion:129 Resp: 466
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#

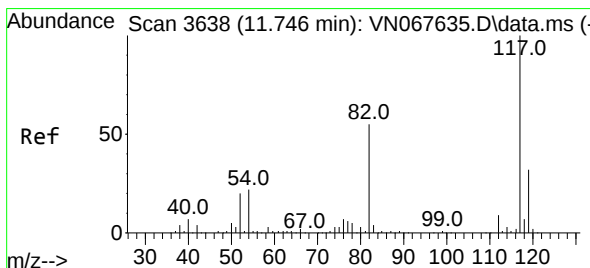
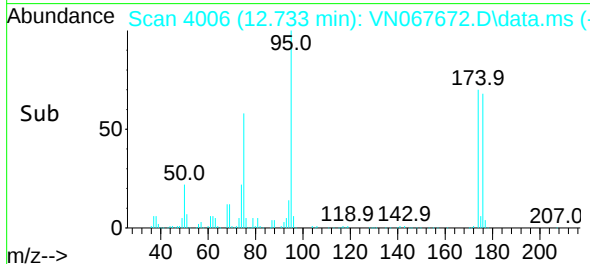
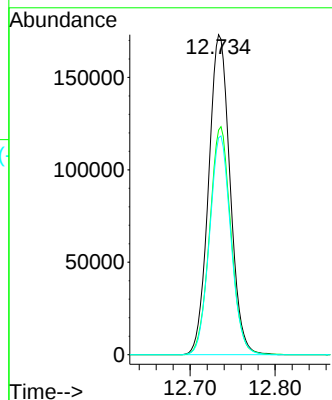
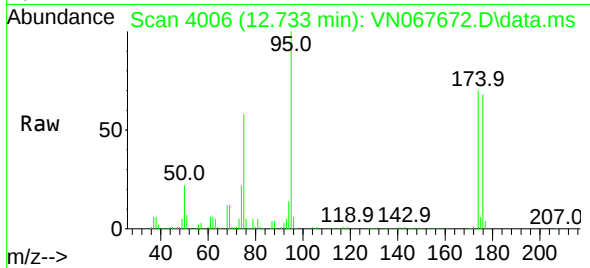




#62
4-Bromofluorobenzene
Concen: 51.381 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067672.D
Acq: 8 Jul 2021 18:45

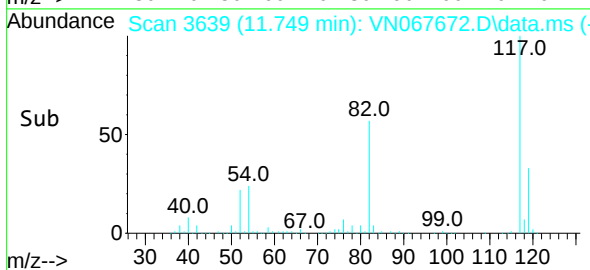
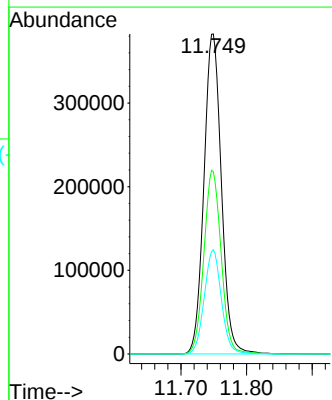
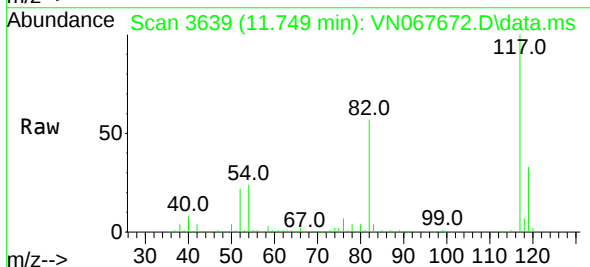
Instrument :
MSVOA_N
ClientSampleId :

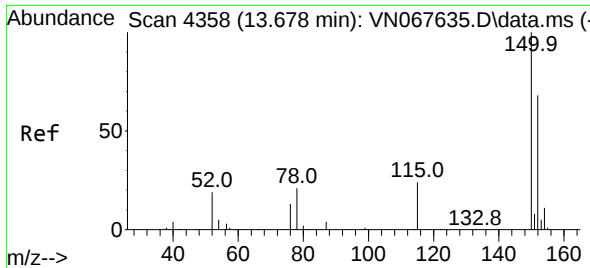
Tgt Ion: 95 Resp: 303319
Ion Ratio Lower Upper
95 100
174 70.9 0.0 122.0
176 68.0 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067672.D
Acq: 8 Jul 2021 18:45

Tgt Ion: 117 Resp: 705621
Ion Ratio Lower Upper
117 100
82 57.0 53.1 79.7
119 32.5 25.5 38.3

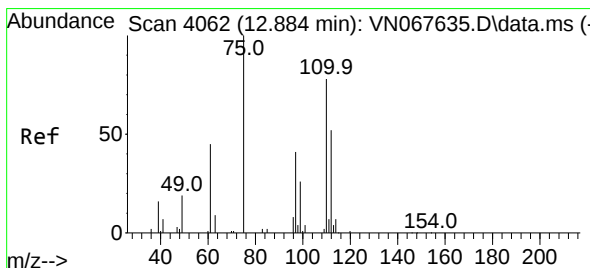
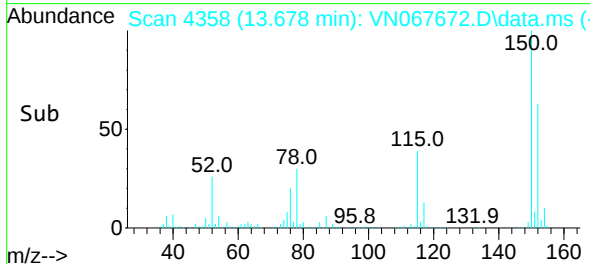
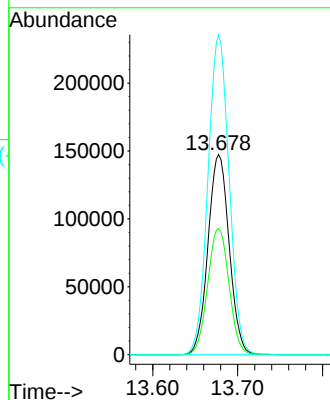
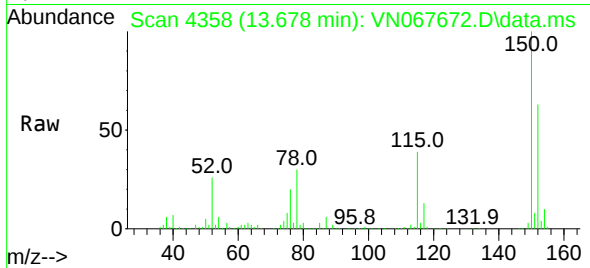




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.678 min Scan# 4358
 Delta R.T. 0.000 min
 Lab File: VN067672.D
 Acq: 8 Jul 2021 18:45

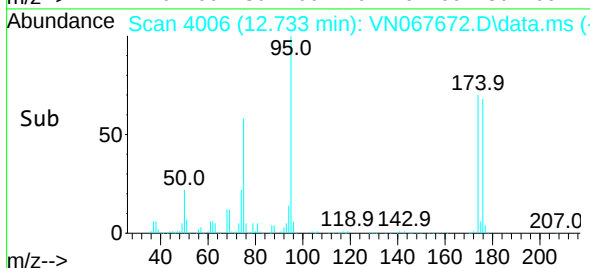
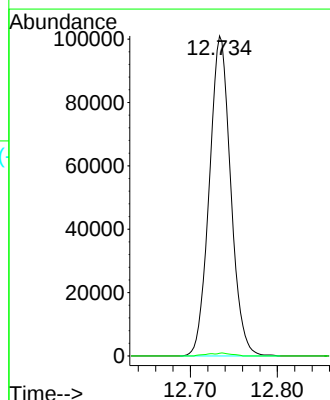
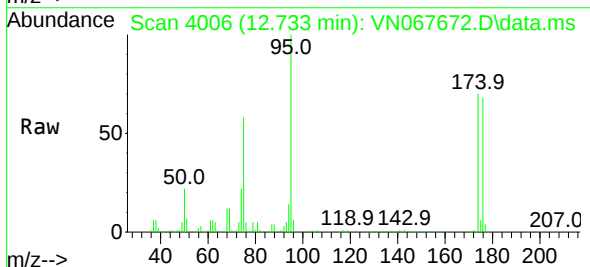
Instrument :
 MSVOA_N
 ClientSampled :

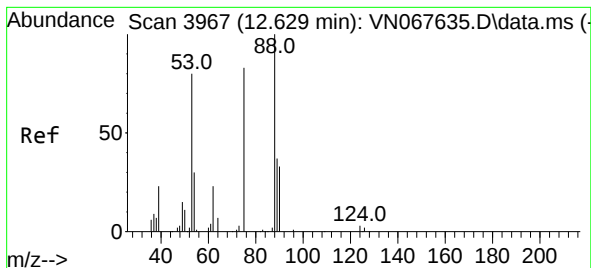
Tgt Ion:152 Resp: 255061
 Ion Ratio Lower Upper
 152 100
 115 63.6 36.1 108.5
 150 159.3 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 33.080 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. -0.151 min
 Lab File: VN067672.D
 Acq: 8 Jul 2021 18:45

Tgt Ion: 75 Resp: 172306
 Ion Ratio Lower Upper
 75 100
 77 0.6 0.0 0.0#

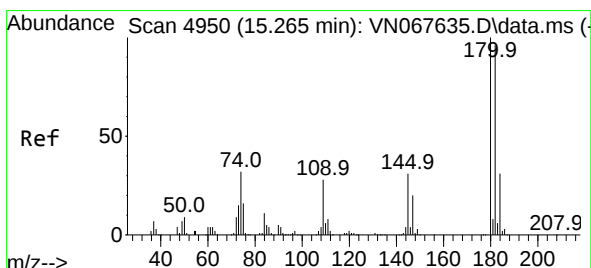
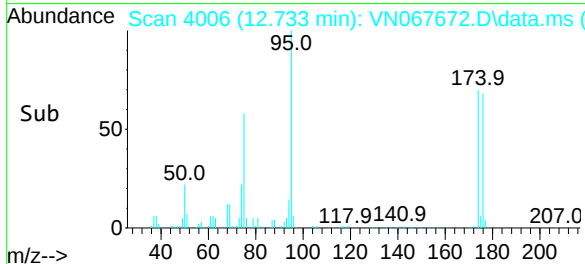
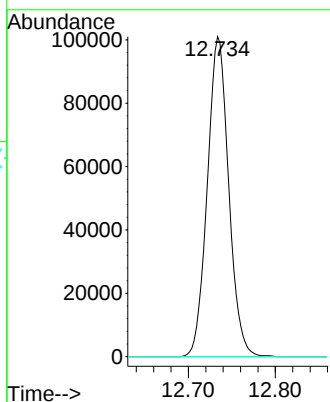
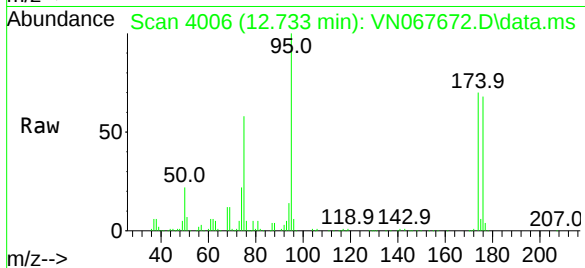




#81
trans-1,4-Dichloro-2-butene
Concen: 106.652 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN067672.D
Acq: 8 Jul 2021 18:45

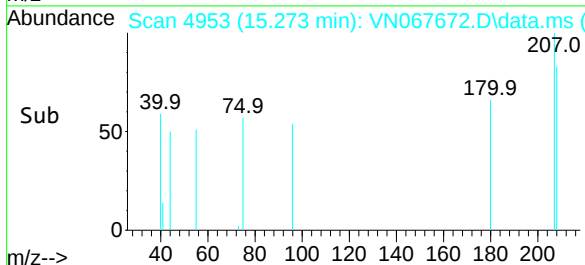
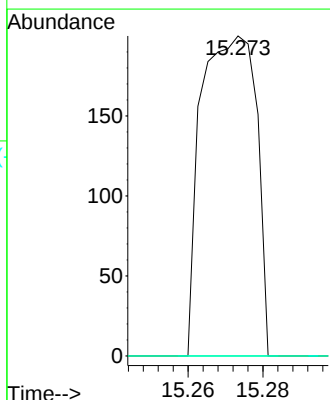
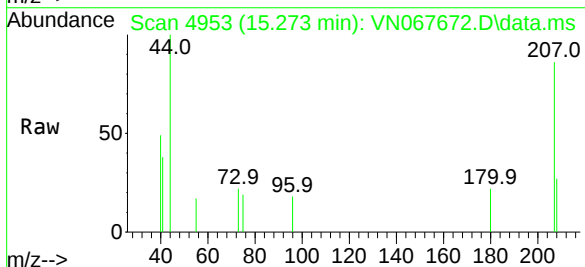
Instrument :
MSVOA_N
ClientSampleId :

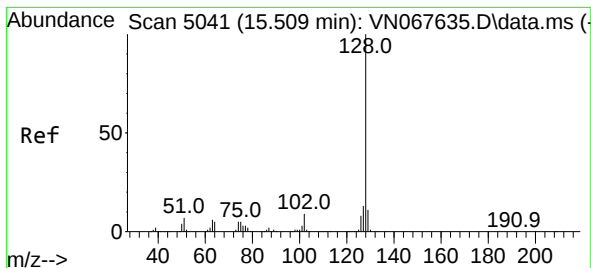
Tgt Ion: 75 Resp: 172306
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.720 ug/l
RT: 15.273 min Scan# 4953
Delta R.T. 0.008 min
Lab File: VN067672.D
Acq: 8 Jul 2021 18:45

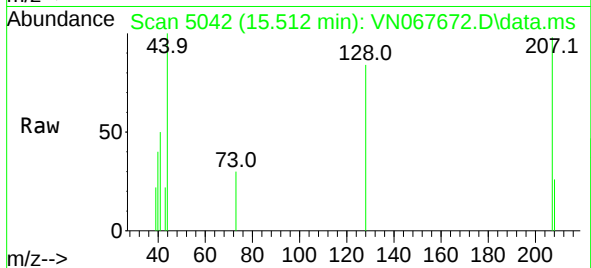
Tgt Ion:180 Resp: 204
Ion Ratio Lower Upper
180 100
182 0.0 47.5 142.5#
145 0.0 17.2 51.6#



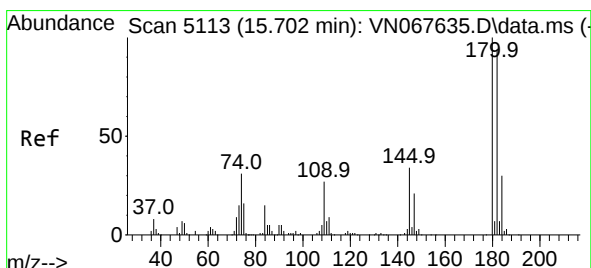
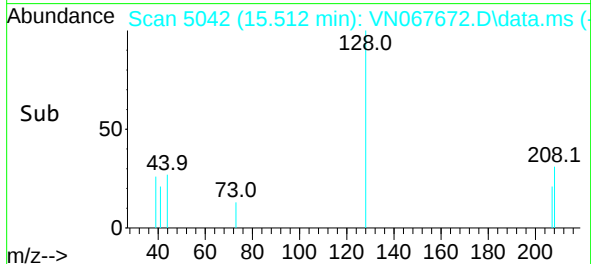
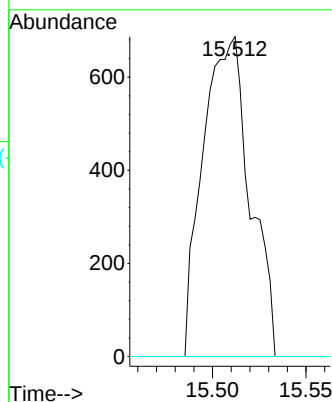


#95
Naphthalene
Concen: 3.103 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.003 min
Lab File: VN067672.D
Acq: 8 Jul 2021 18:45

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion:128 Resp: 1202
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: 2.639 ug/l
RT: 15.711 min Scan# 5116
Delta R.T. 0.008 min
Lab File: VN067672.D
Acq: 8 Jul 2021 18:45

Tgt Ion:180 Resp: 26
Ion Ratio Lower Upper
180 100
182 188.5 47.8 143.3#
145 0.0 18.2 54.6#

