

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051721\
 Data File : VN067113.D
 Acq On : 17 May 2021 19:46
 Operator : JC/MD
 Sample : PB136439TB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 18 04:12:01 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051421W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 18 04:00:15 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

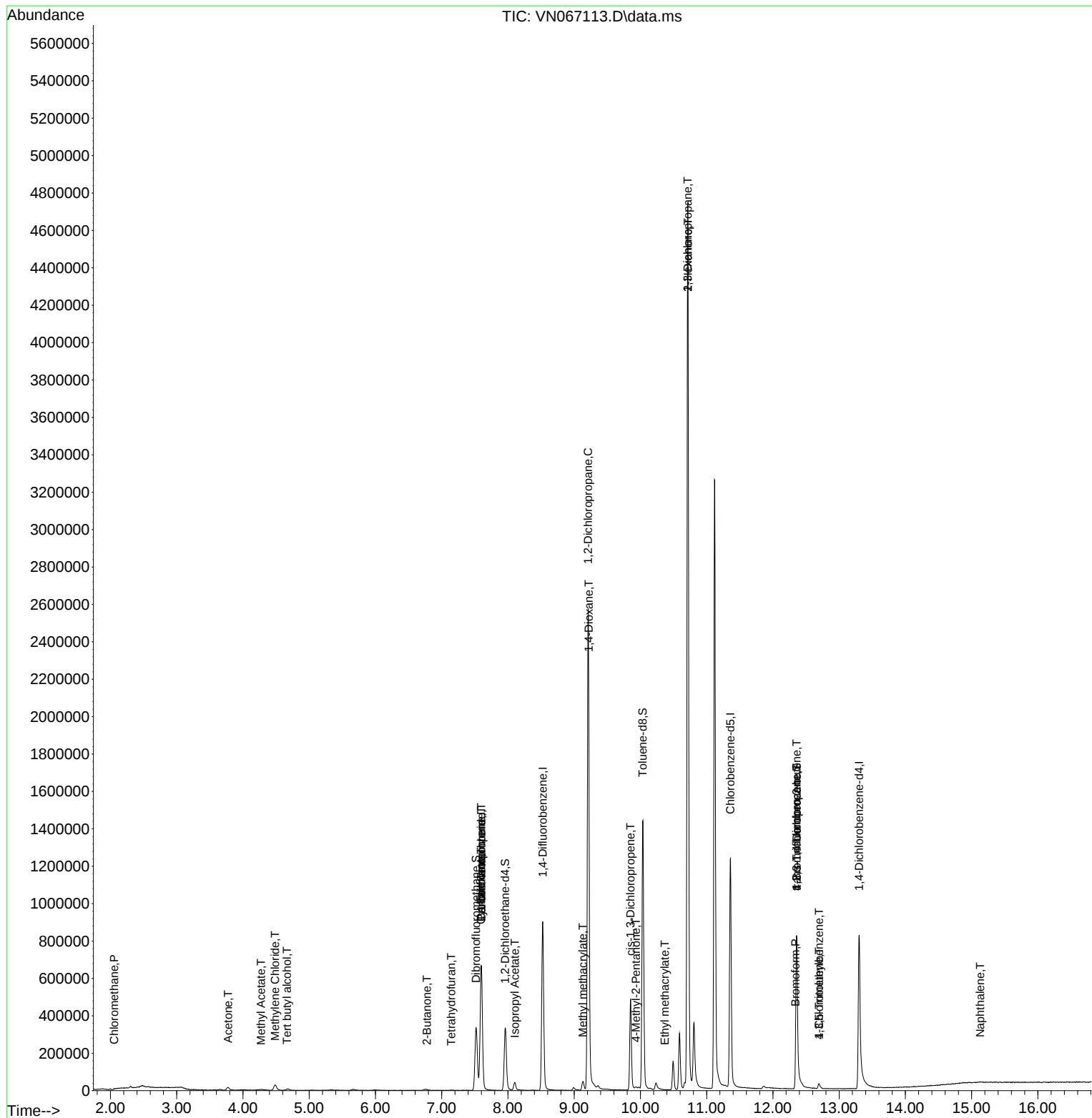
Internal Standards						
1) Pentafluorobenzene	7.600	168	636952	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.525	114	894591	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.360	117	817920	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.302	152	342162	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.959	65	300752	43.71	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	87.42%
35) Dibromofluoromethane	7.519	113	272418	46.38	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	92.76%
50) Toluene-d8	10.035	98	1086894	48.82	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.64%
62) 4-Bromofluorobenzene	12.357	95	360152	48.29	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	96.58%
Target Compounds						
					Qvalue	
3) Chloromethane	2.053	50	1880	0.27	ug/l	92
11) Tert butyl alcohol	4.666	59	2715	2.37	ug/l #	87
13) Acrolein	3.563	56	1697	Below Cal	#	64
16) Acetone	3.775	43	25275	11.82	ug/l	98
18) Methyl Acetate	4.274	43	4456	0.70	ug/l #	61
20) Methylene Chloride	4.483	84	23926	3.49	ug/l	97
25) 2-Butanone	6.776	43	3363	1.01	ug/l	100
29) Tetrahydrofuran	7.144	42	847	0.41	ug/l #	73
31) Cyclohexane	7.594	56	9662	1.02	ug/l #	1
36) 1,1-Dichloropropene	7.597	75	37580	4.60	ug/l #	49
38) Carbon Tetrachloride	7.600	117	53146	6.12	ug/l #	15
43) Isopropyl Acetate	8.104	43	52898	4.42	ug/l #	91
45) 1,2-Dichloropropane	9.211	63	3795	0.59	ug/l #	45
48) Methyl methacrylate	9.131	41	10049	3.62	ug/l #	9
49) 1,4-Dioxane	9.220	88	395	4.64	ug/l #	1
51) 4-Methyl-2-Pentanone	9.933	43	11653	6.99	ug/l #	79
54) cis-1,3-Dichloropropene	9.850	75	105020	9.78	ug/l #	58
56) Ethyl methacrylate	10.370	69	94	1.95	ug/l #	31
57) 1,3-Dichloropropane	10.713	76	54916	5.40	ug/l #	42
59) 2-Hexanone	10.716	43	658896	151.45	ug/l #	48
71) Bromoform	12.339	173	127	1.78	ug/l #	28
76) 1,2,3-Trichloropropane	12.357	75	165479	22.92	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.695	105	19712	0.83	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.357	75	165479	68.70	ug/l #	15
82) 4-Chlorotoluene	12.698	91	2649	1.32	ug/l #	39
95) Naphthalene	15.131	128	1879	3.38	ug/l #	71

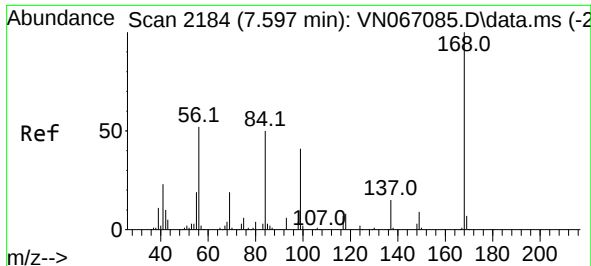
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051421W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

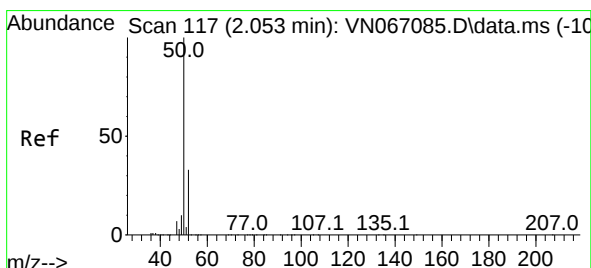
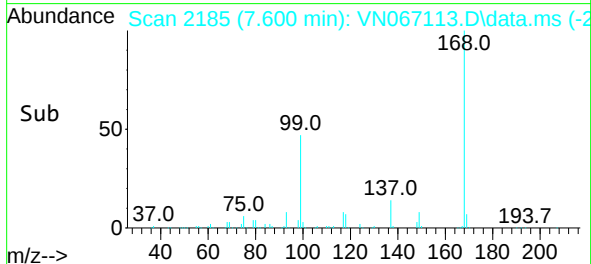
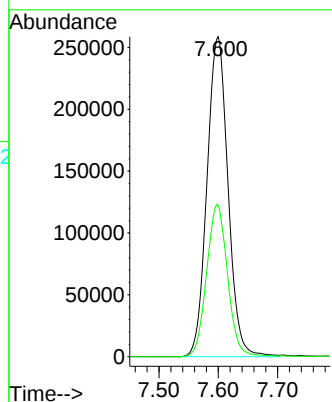
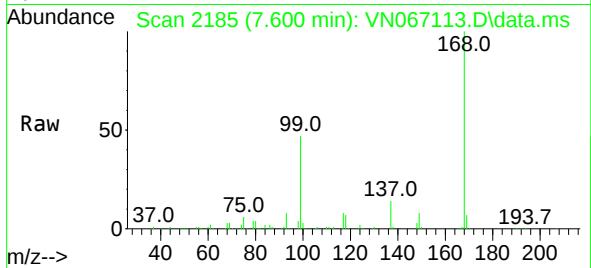




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.600 min Scan# 2185
Delta R.T. 0.003 min
Lab File: VN067113.D
Acq: 17 May 2021 19:46

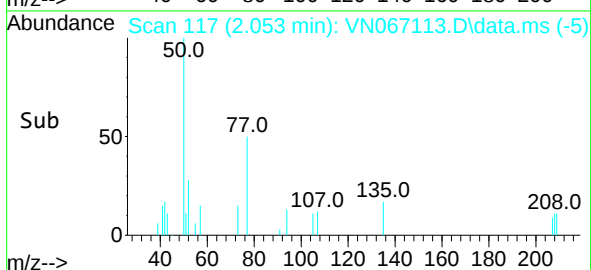
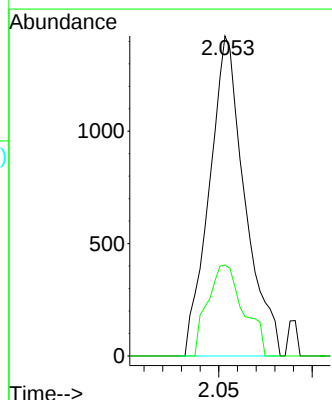
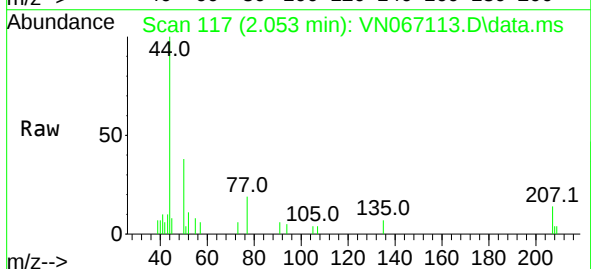
Instrument :
MSVOA_N
ClientSampled :

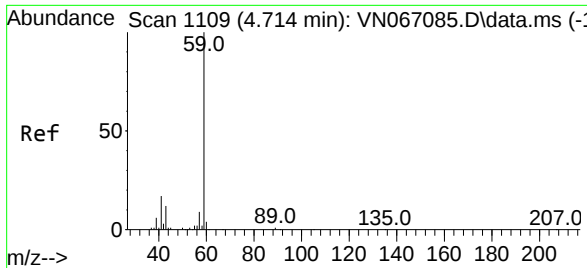
Tgt Ion:168 Resp: 636952
Ion Ratio Lower Upper
168 100
99 47.3 38.5 57.7



#3
Chloromethane
Concen: 0.27 ug/l
RT: 2.053 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN067113.D
Acq: 17 May 2021 19:46

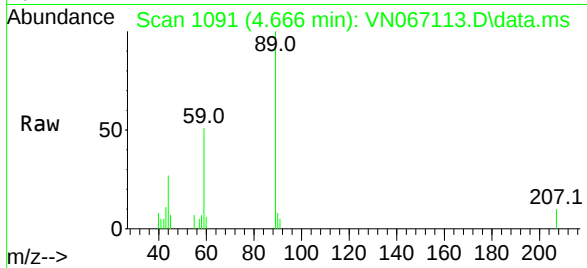
Tgt Ion: 50 Resp: 1880
Ion Ratio Lower Upper
50 100
52 28.4 26.5 39.7



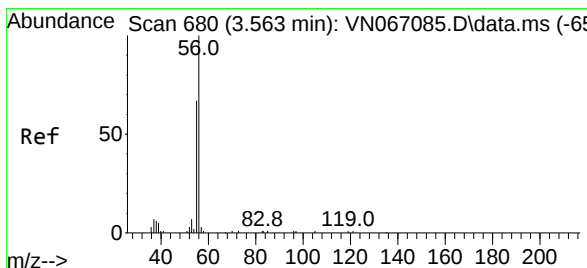
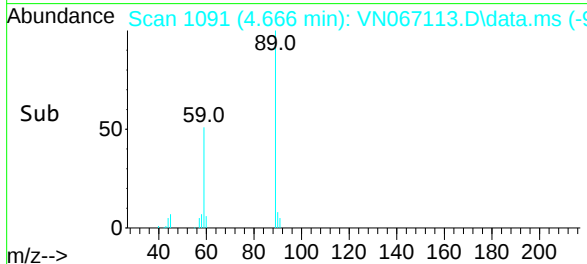
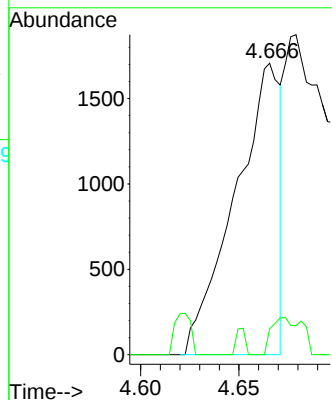


#11
Tert butyl alcohol
Concen: 2.37 ug/l
RT: 4.666 min Scan# 1091
Delta R.T. -0.048 min
Lab File: VN067113.D
Acq: 17 May 2021 19:46

Instrument :
MSVOA_N
ClientSampled :

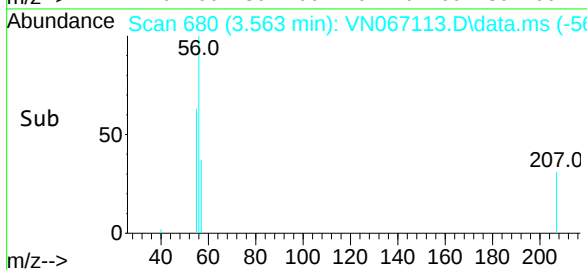
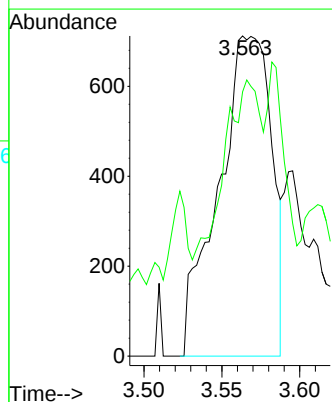
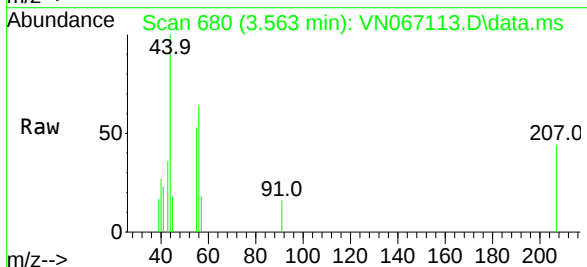


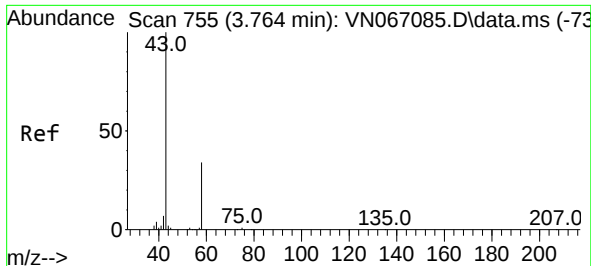
Tgt Ion: 59 Resp: 2715
Ion Ratio Lower Upper
59 100
57 8.7 3.5 5.3#



#13
Acrolein
Concen: Below Cal
RT: 3.563 min Scan# 680
Delta R.T. 0.000 min
Lab File: VN067113.D
Acq: 17 May 2021 19:46

Tgt Ion: 56 Resp: 1697
Ion Ratio Lower Upper
56 100
55 38.0 53.8 80.6#

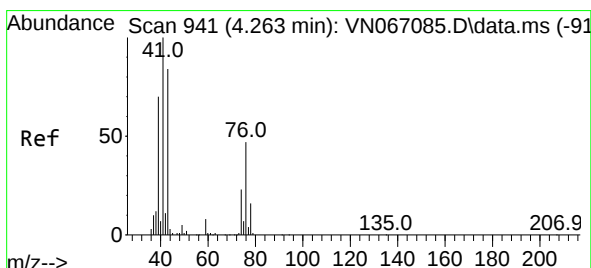
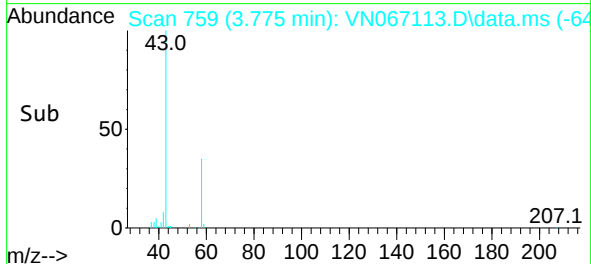
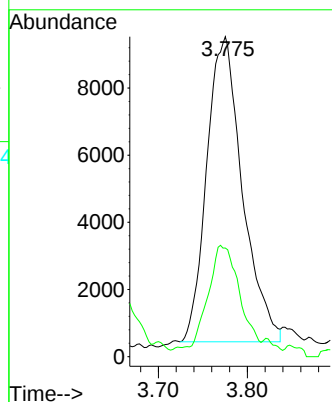
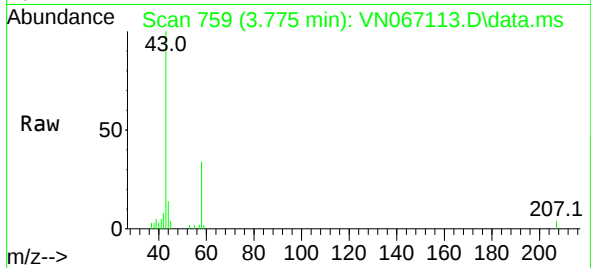




#16
Acetone
Concen: 11.82 ug/l
RT: 3.775 min Scan# 759
Delta R.T. 0.011 min
Lab File: VN067113.D
Acq: 17 May 2021 19:46

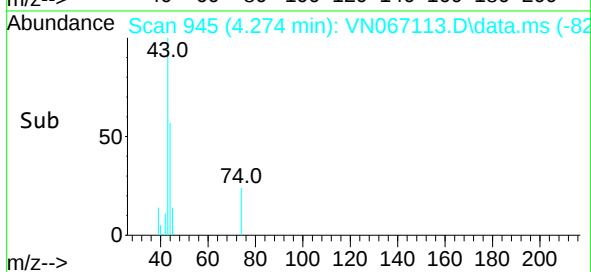
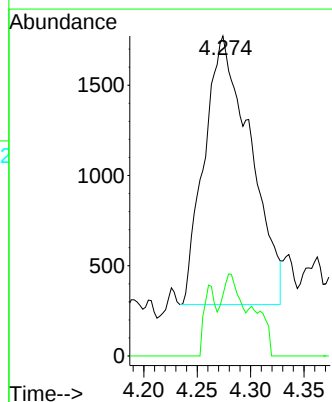
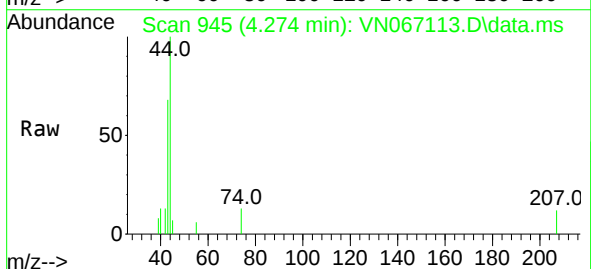
Instrument :
MSVOA_N
ClientSampled :

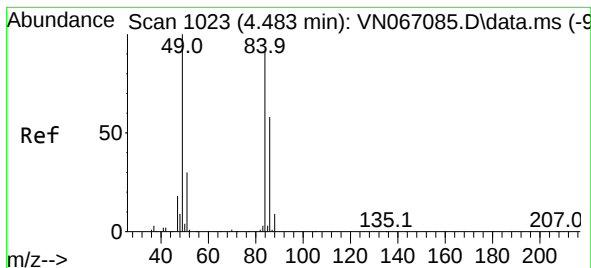
Tgt Ion: 43 Resp: 25275
Ion Ratio Lower Upper
43 100
58 33.0 27.2 40.8



#18
Methyl Acetate
Concen: 0.70 ug/l
RT: 4.274 min Scan# 945
Delta R.T. 0.011 min
Lab File: VN067113.D
Acq: 17 May 2021 19:46

Tgt Ion: 43 Resp: 4456
Ion Ratio Lower Upper
43 100
74 6.5 21.4 32.2#





#20

Methylene Chloride

Concen: 3.49 ug/l

RT: 4.483 min Scan# 1023

Delta R.T. 0.000 min

Lab File: VN067113.D

Acq: 17 May 2021 19:46

Tgt Ion: 84 Resp: 23926

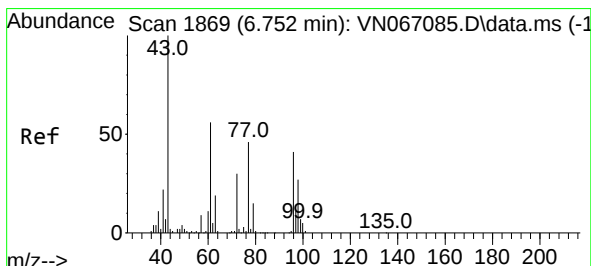
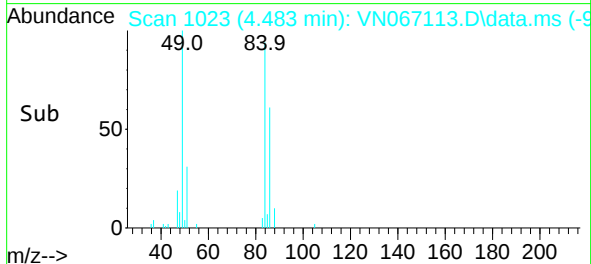
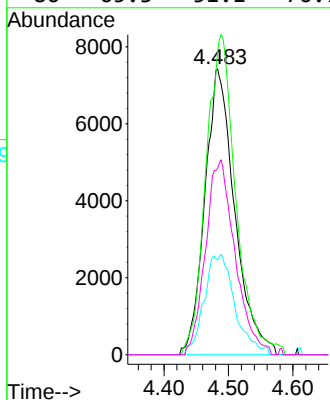
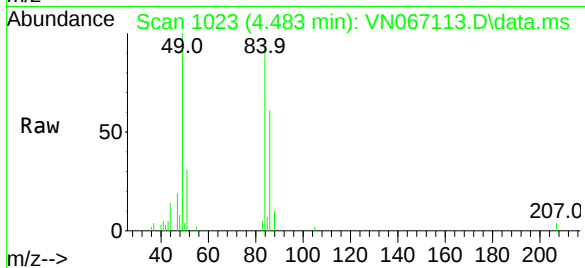
Ion Ratio Lower Upper

84 100

49 106.5 88.3 132.5

51 33.2 26.7 40.1

86 65.3 51.1 76.7



#25

2-Butanone

Concen: 1.01 ug/l

RT: 6.776 min Scan# 1878

Delta R.T. 0.024 min

Lab File: VN067113.D

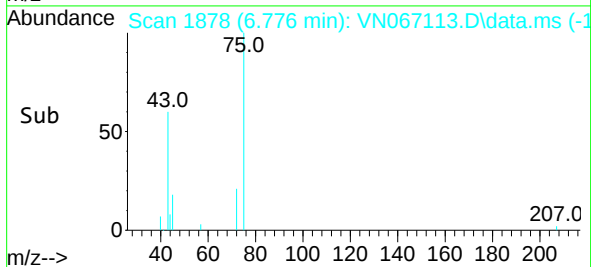
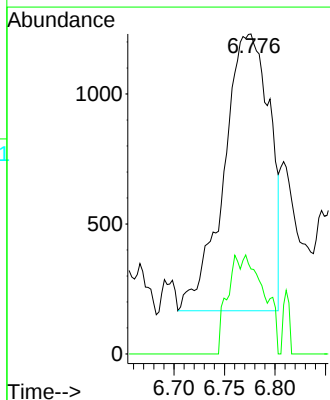
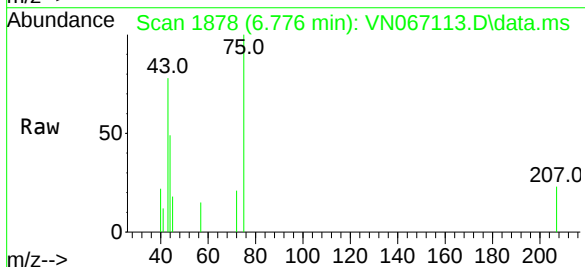
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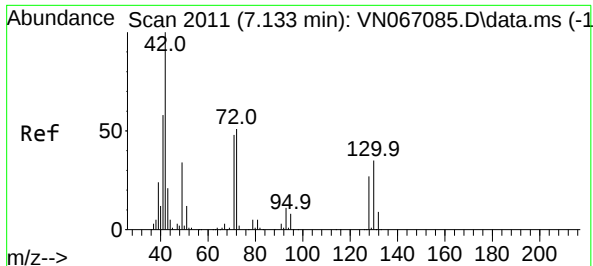
Tgt Ion: 43 Resp: 3363

Ion Ratio Lower Upper

43 100

72 30.7 24.4 36.6

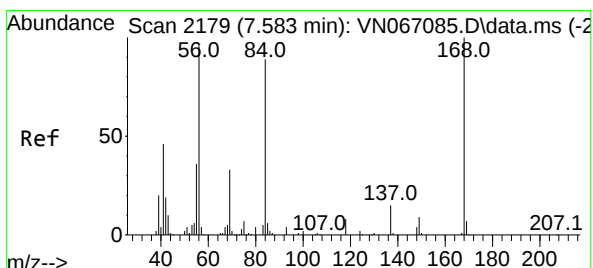
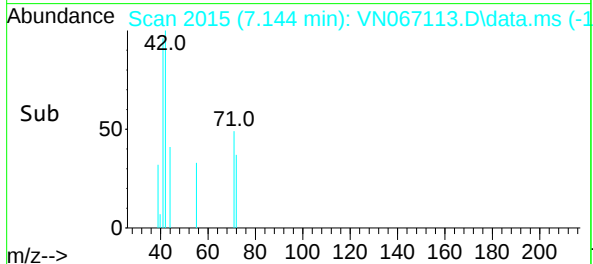
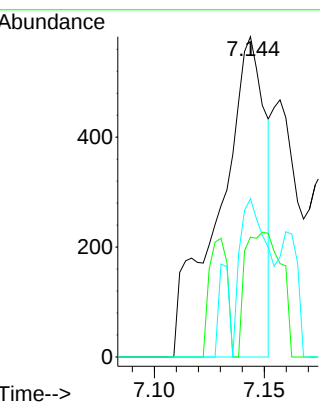
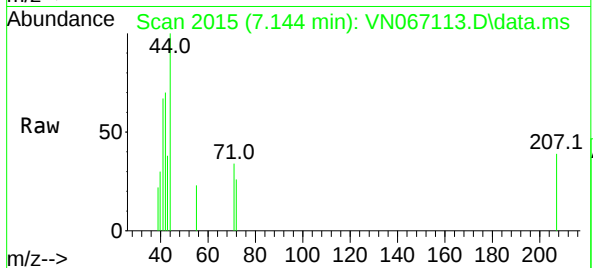




#29
Tetrahydrofuran
Concen: 0.41 ug/l
RT: 7.144 min Scan# 2015
Delta R.T. 0.011 min
Lab File: VN067113.D
Acq: 17 May 2021 19:46

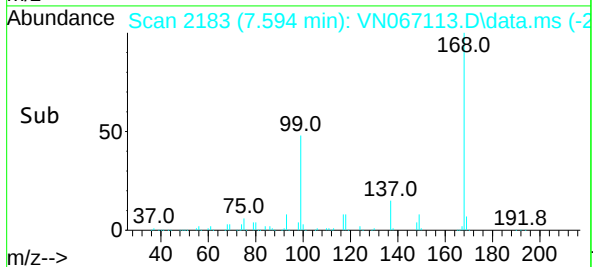
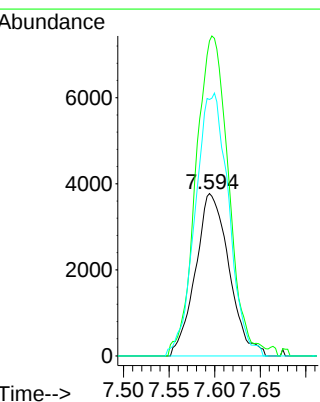
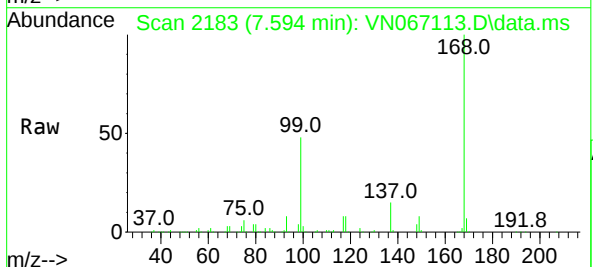
Instrument :
MSVOA_N
ClientSampled :

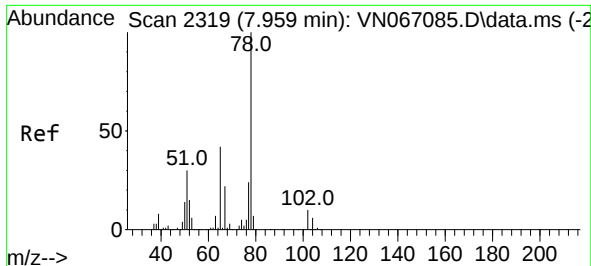
Tgt Ion: 42 Resp: 847
Ion Ratio Lower Upper
42 100
72 30.6 40.1 60.1#
71 30.1 37.9 56.9#



#31
Cyclohexane
Concen: 1.02 ug/l
RT: 7.594 min Scan# 2183
Delta R.T. 0.011 min
Lab File: VN067113.D
Acq: 17 May 2021 19:46

Tgt Ion: 56 Resp: 9662
Ion Ratio Lower Upper
56 100
69 193.9 28.0 42.0#
84 157.8 74.2 111.2#

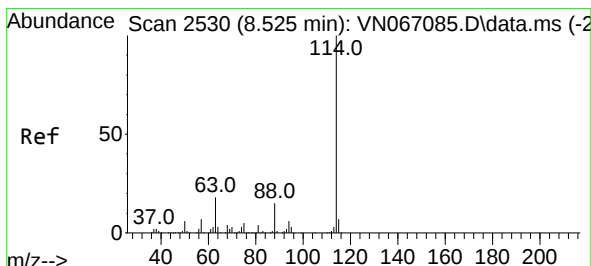
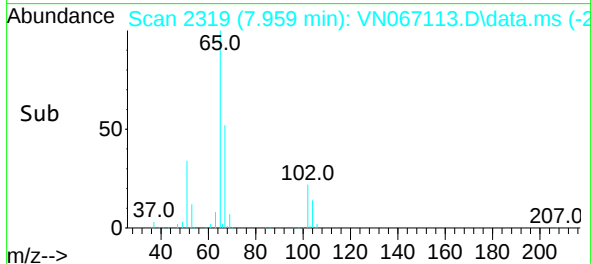
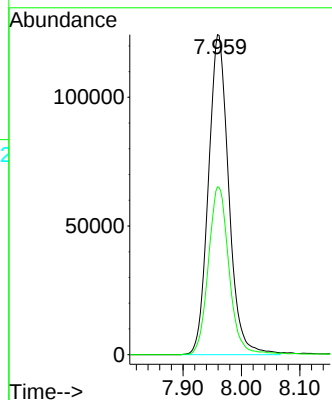
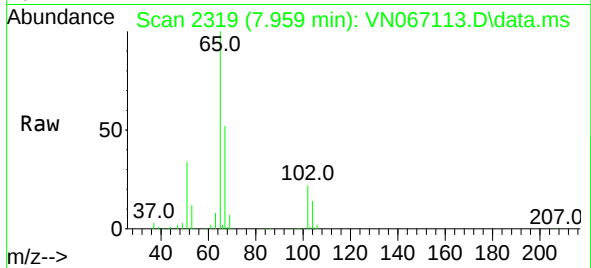




#33
 1,2-Dichloroethane-d4
 Concen: 43.71 ug/l
 RT: 7.959 min Scan# 2319
 Delta R.T. 0.000 min
 Lab File: VN067113.D
 Acq: 17 May 2021 19:46

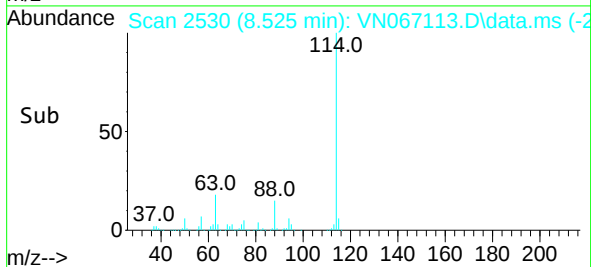
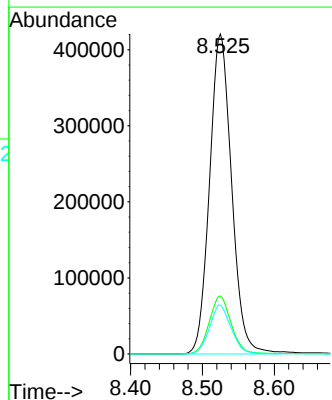
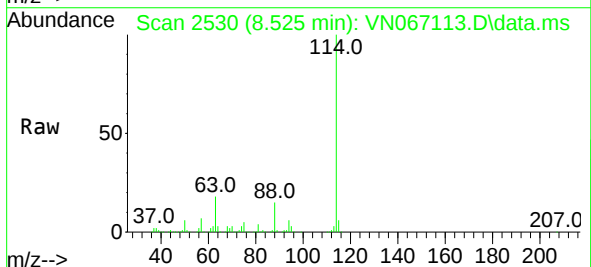
Instrument :
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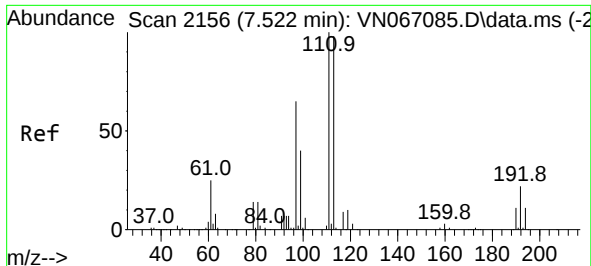
Tgt Ion: 65 Resp: 300752
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.525 min Scan# 2530
 Delta R.T. -0.000 min
 Lab File: VN067113.D
 Acq: 17 May 2021 19:46

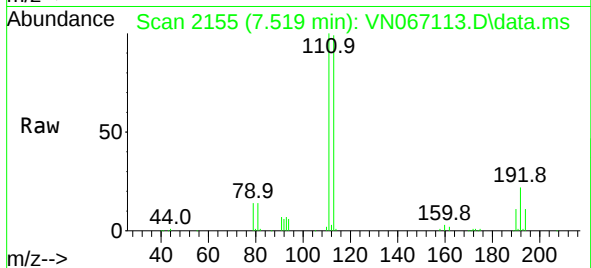
Tgt Ion: 114 Resp: 894591
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 35.8
 88 15.3 0.0 30.4



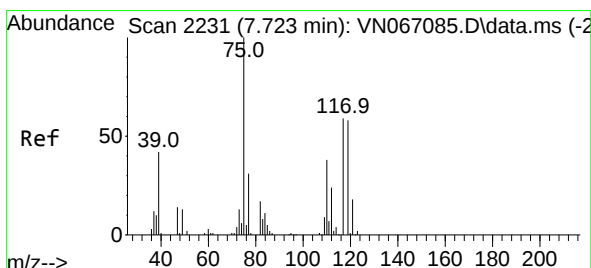
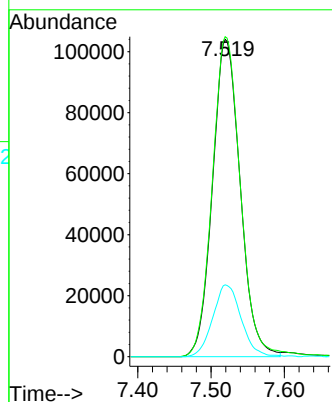
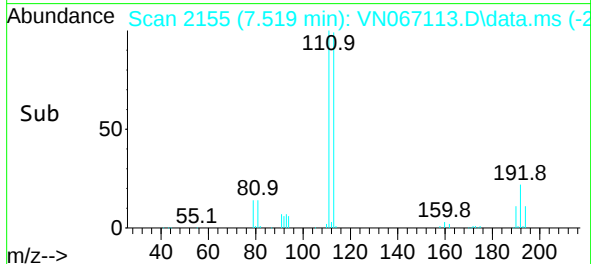


#35
 Dibromofluoromethane
 Concen: 46.38 ug/l
 RT: 7.519 min Scan# 2155
 Delta R.T. -0.003 min
 Lab File: VN067113.D
 Acq: 17 May 2021 19:46

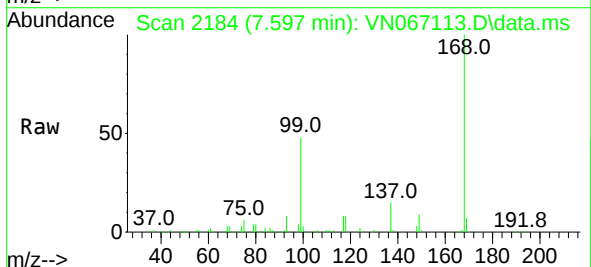
Instrument :
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 ClientSampleId :



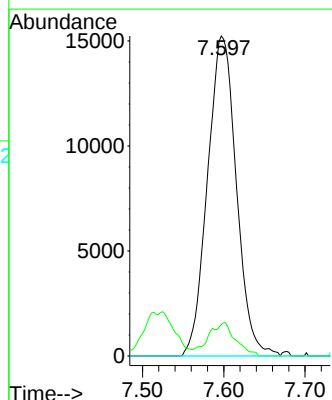
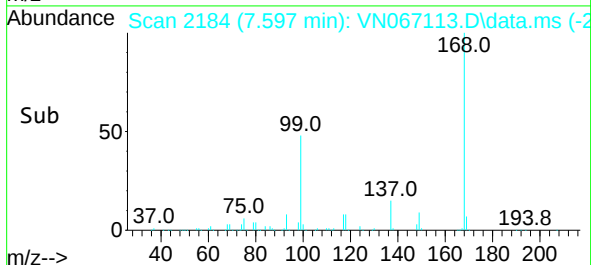
Tgt Ion:113 Resp: 272418
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.6 124.0
 192 23.3 18.2 27.4

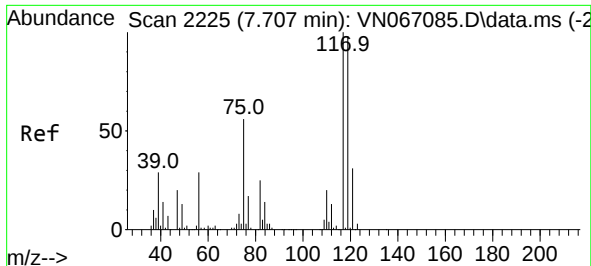


#36
 1,1-Dichloropropene
 Concen: 4.60 ug/l
 RT: 7.597 min Scan# 2184
 Delta R.T. -0.126 min
 Lab File: VN067113.D
 Acq: 17 May 2021 19:46



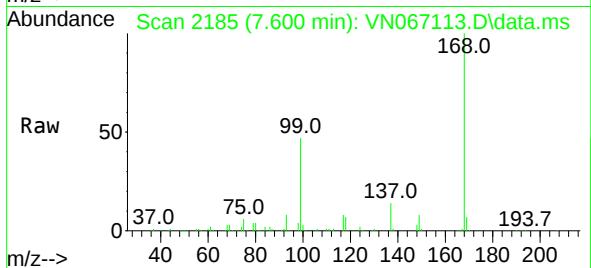
Tgt Ion: 75 Resp: 37580
 Ion Ratio Lower Upper
 75 100
 110 9.8 19.1 57.3#
 77 0.0 24.8 37.2#



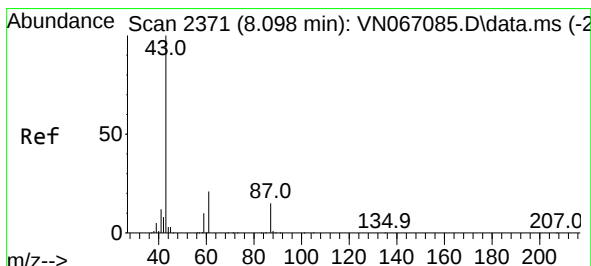
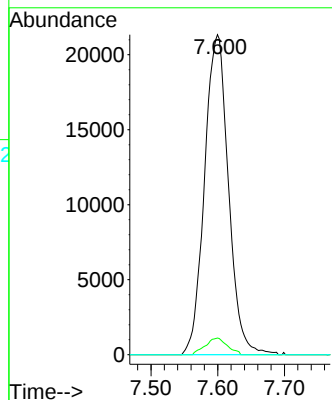
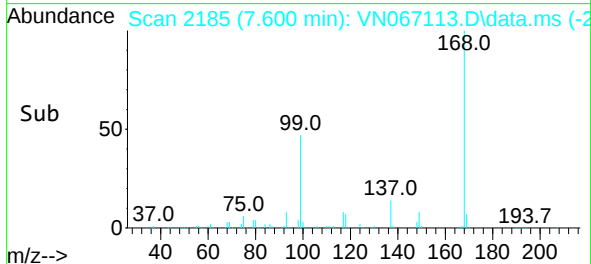


#38
Carbon Tetrachloride
Concen: 6.12 ug/l
RT: 7.600 min Scan# 2185
Delta R.T. -0.107 min
Lab File: VN067113.D
Acq: 17 May 2021 19:46

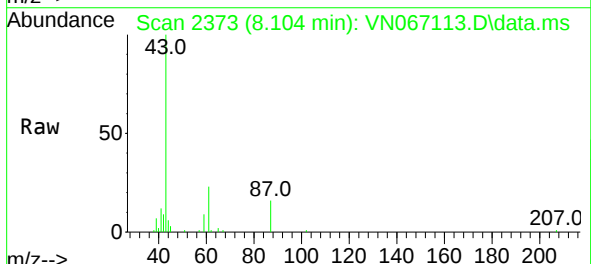
Instrument :
MSVOA_N
ClientSampleId :



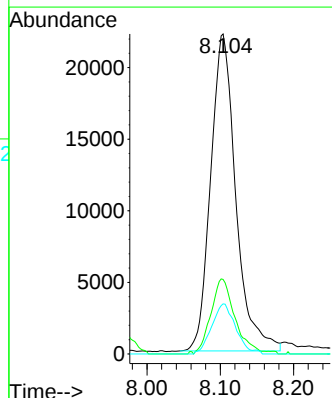
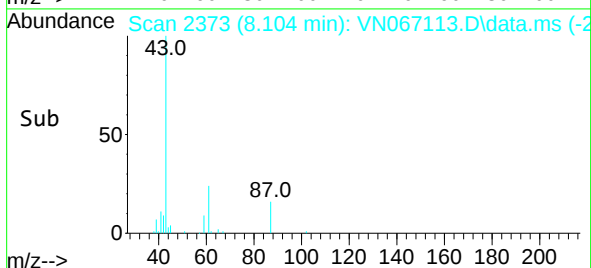
Tgt Ion:117 Resp: 53146
Ion Ratio Lower Upper
117 100
119 5.2 78.2 117.2#
121 0.0 24.7 37.1#

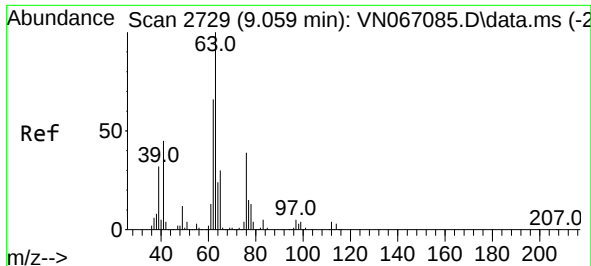


#43
Isopropyl Acetate
Concen: 4.42 ug/l
RT: 8.104 min Scan# 2373
Delta R.T. 0.006 min
Lab File: VN067113.D
Acq: 17 May 2021 19:46



Tgt Ion: 43 Resp: 52898
Ion Ratio Lower Upper
43 100
61 22.4 23.4 35.0#
87 14.8 12.2 18.2





#45

1,2-Dichloropropane

Concen: 0.59 ug/l

RT: 9.211 min Scan# 2786

Delta R.T. 0.152 min

Lab File: VN067113.D

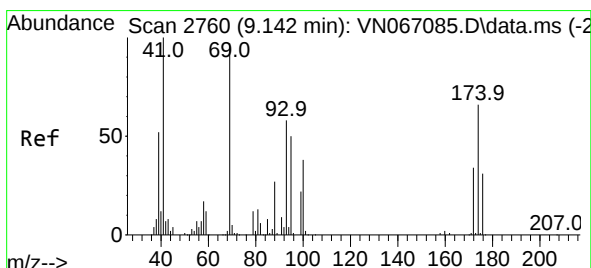
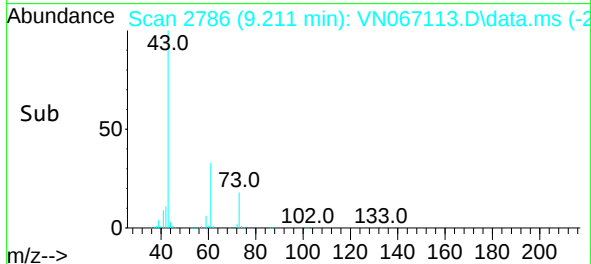
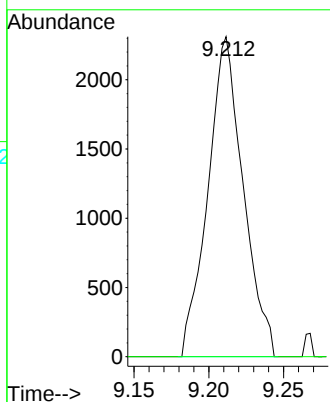
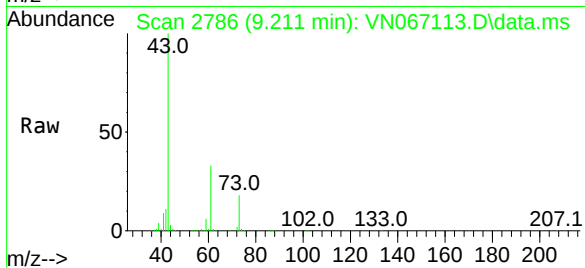
Acq: 17 May 2021 19:46

Tgt Ion: 63 Resp: 3795

Ion Ratio Lower Upper

63 100

65 0.0 23.9 35.9#



#48

Methyl methacrylate

Concen: 3.62 ug/l

RT: 9.131 min Scan# 2756

Delta R.T. -0.011 min

Lab File: VN067113.D

Acq: 17 May 2021 19:46

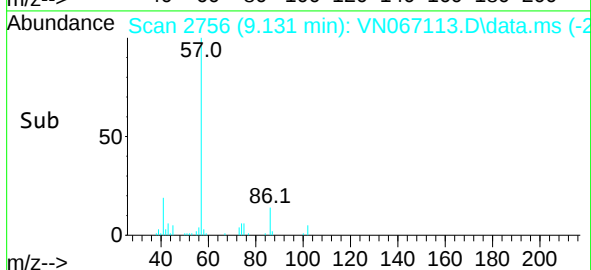
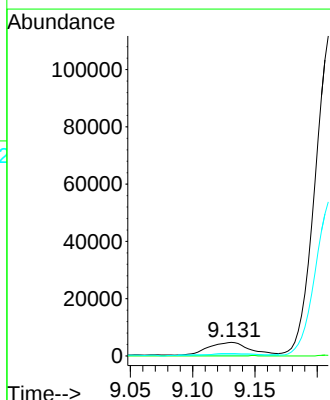
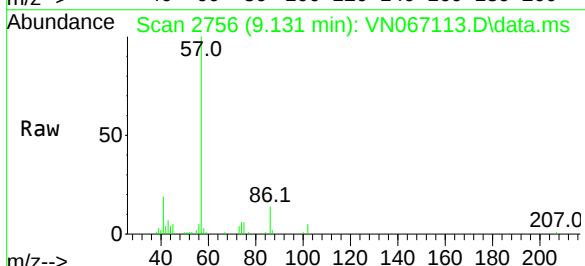
Tgt Ion: 41 Resp: 10049

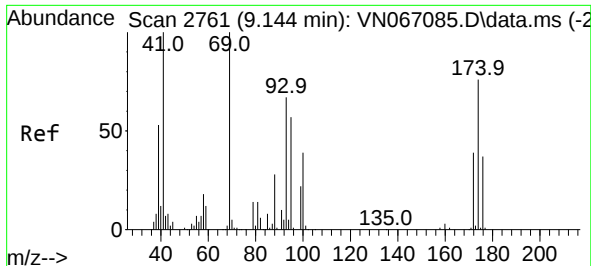
Ion Ratio Lower Upper

41 100

69 0.5 80.5 120.7#

39 0.0 41.4 62.0#





#49

1,4-Dioxane

Concen: 4.64 ug/l

RT: 9.220 min Scan# 2789

Delta R.T. 0.076 min

Lab File: VN067113.D

Acq: 17 May 2021 19:46

Tgt Ion: 88 Resp: 395

Ion Ratio Lower Upper

88 100

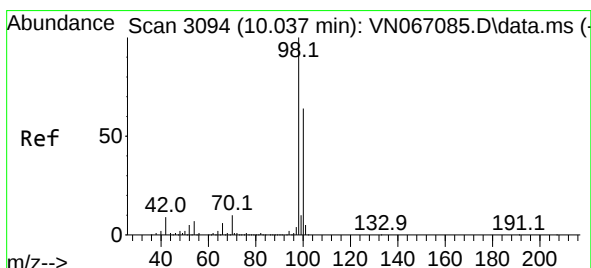
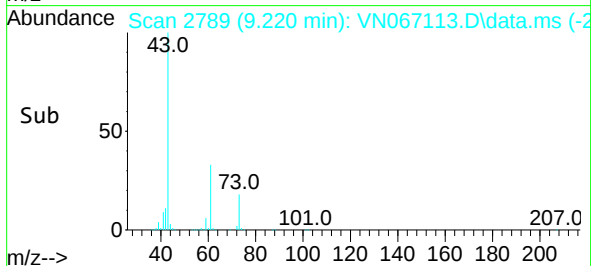
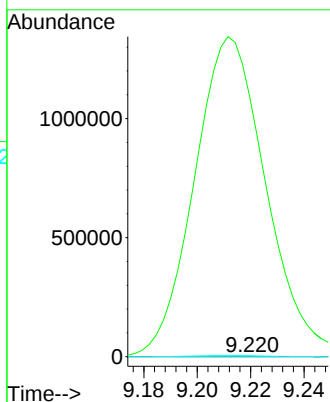
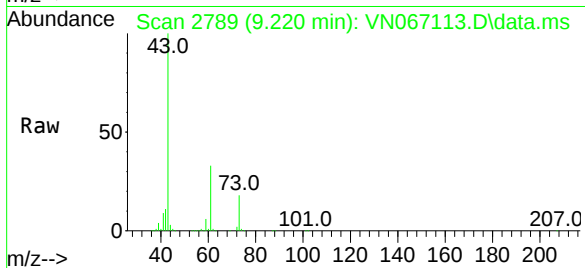
43 657726.1 21.8 32.8#

58 2512.2 50.8 76.2#

Instrument :

MSVOA_N

ClientSampled :



#50

Toluene-d8

Concen: 48.82 ug/l

RT: 10.035 min Scan# 3093

Delta R.T. -0.002 min

Lab File: VN067113.D

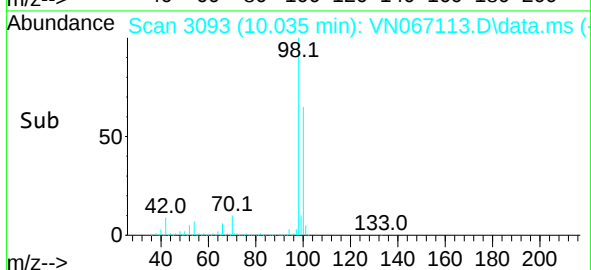
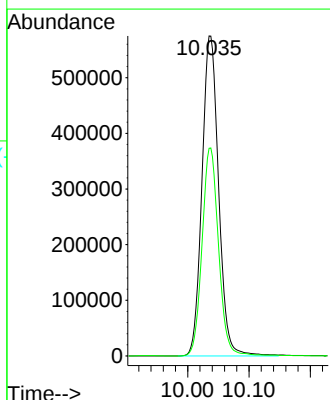
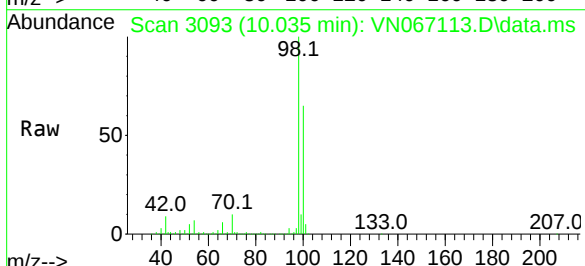
Acq: 17 May 2021 19:46

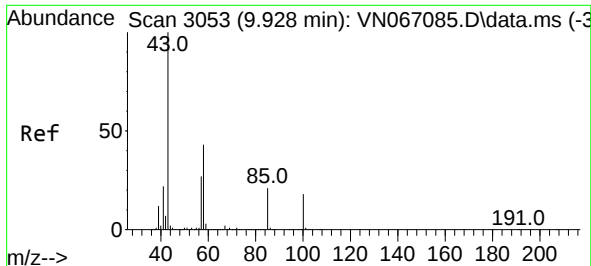
Tgt Ion: 98 Resp: 1086894

Ion Ratio Lower Upper

98 100

100 64.3 51.8 77.8

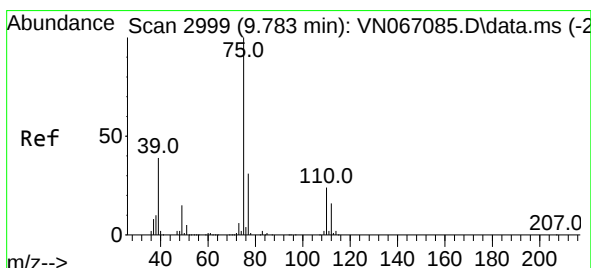
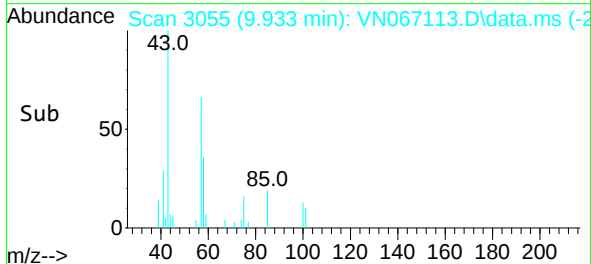
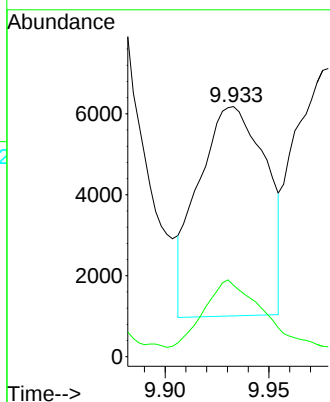
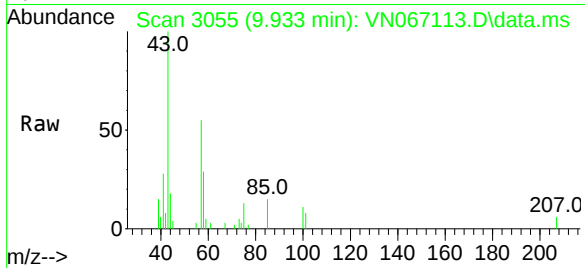




#51
4-Methyl-2-Pentanone
Concen: 6.99 ug/l
RT: 9.933 min Scan# 3055
Delta R.T. 0.005 min
Lab File: VN067113.D
Acq: 17 May 2021 19:46

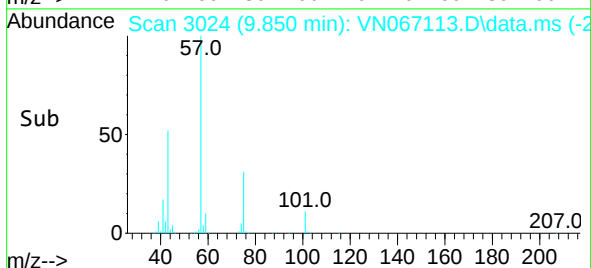
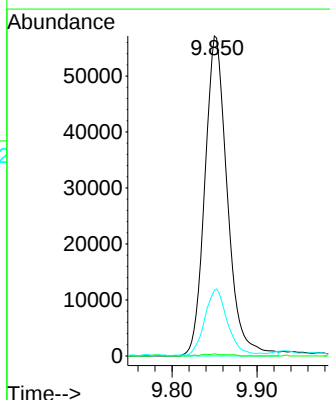
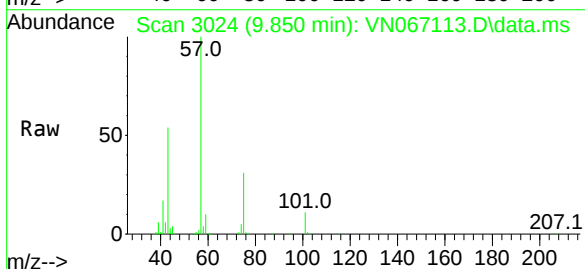
Instrument :
MSVOA_N
ClientSampleId :

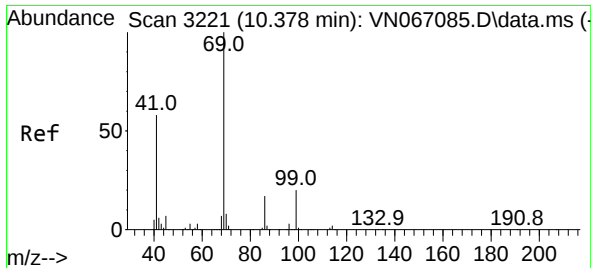
Tgt Ion: 43 Resp: 11653
Ion Ratio Lower Upper
43 100
58 29.6 34.5 51.7#



#54
cis-1,3-Dichloropropene
Concen: 9.78 ug/l
RT: 9.850 min Scan# 3024
Delta R.T. 0.067 min
Lab File: VN067113.D
Acq: 17 May 2021 19:46

Tgt Ion: 75 Resp: 105020
Ion Ratio Lower Upper
75 100
77 0.6 25.1 37.7#
39 20.3 30.9 46.3#

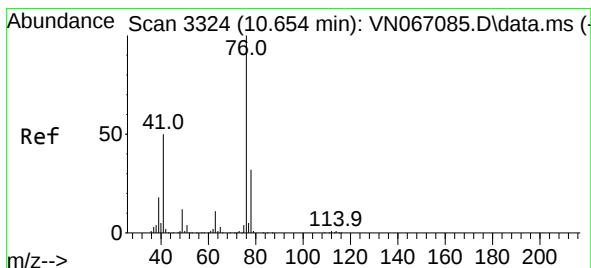
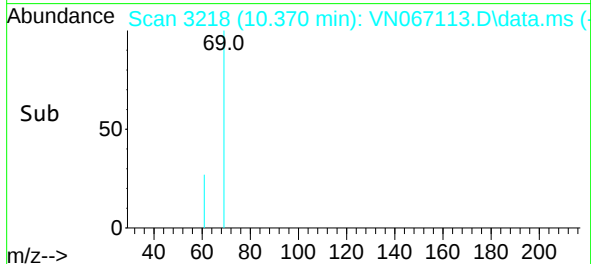
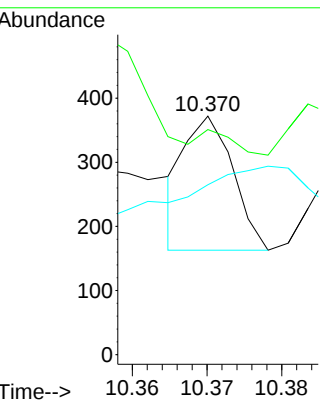
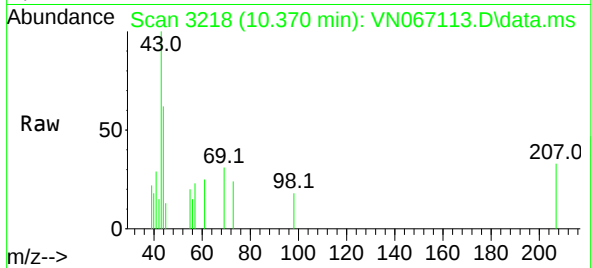




#56
Ethyl methacrylate
Concen: 1.95 ug/l
RT: 10.370 min Scan# 3218
Delta R.T. -0.008 min
Lab File: VN067113.D
Acq: 17 May 2021 19:46

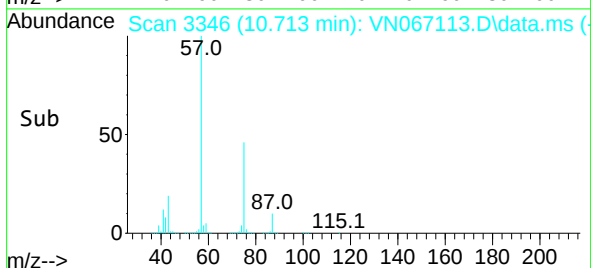
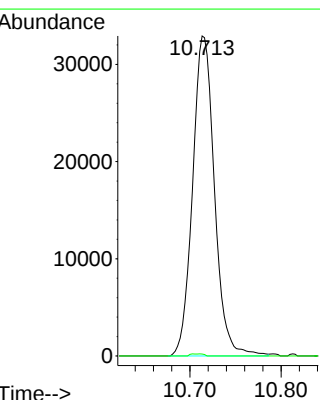
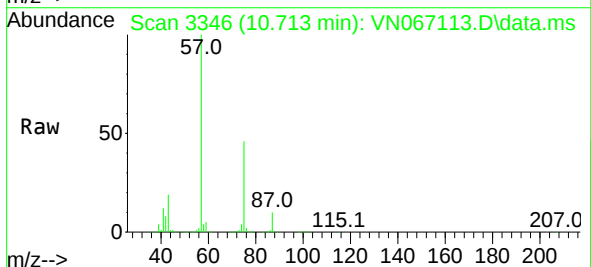
Instrument :
MSVOA_N
ClientSampled :

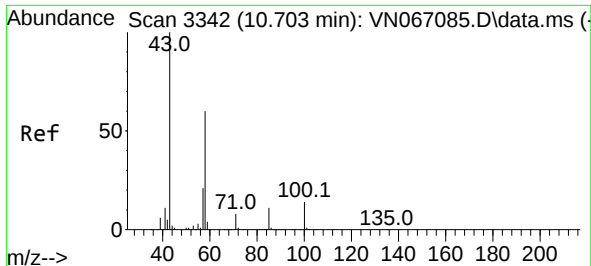
Tgt Ion: 69 Resp: 94
Ion Ratio Lower Upper
69 100
41 0.0 45.5 68.3#
39 0.0 22.9 34.3#



#57
1,3-Dichloropropane
Concen: 5.40 ug/l
RT: 10.713 min Scan# 3346
Delta R.T. 0.059 min
Lab File: VN067113.D
Acq: 17 May 2021 19:46

Tgt Ion: 76 Resp: 54916
Ion Ratio Lower Upper
76 100
78 0.4 26.3 39.5#

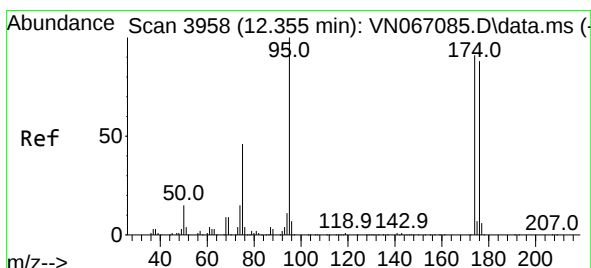
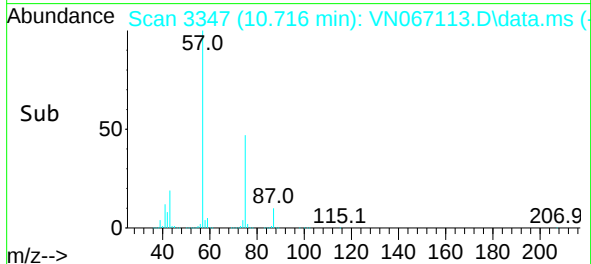
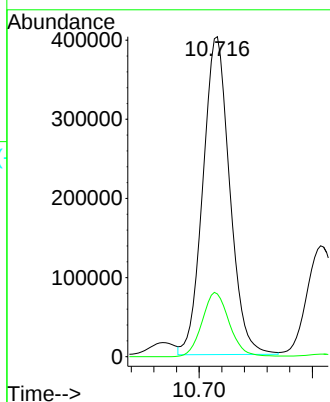
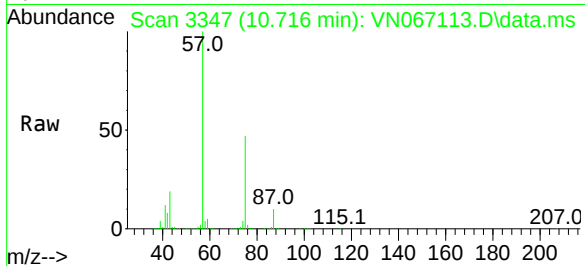




#59
2-Hexanone
Concen: 151.45 ug/l
RT: 10.716 min Scan# 3347
Delta R.T. 0.013 min
Lab File: VN067113.D
Acq: 17 May 2021 19:46

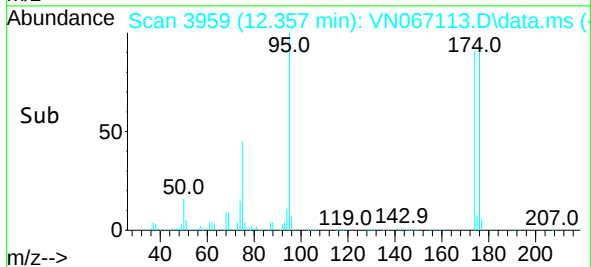
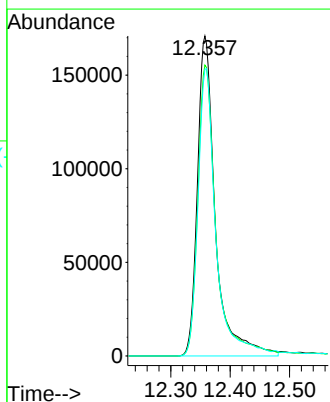
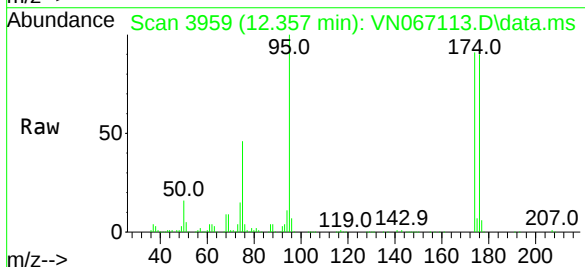
Instrument :
MSVOA_N
ClientSampleId :

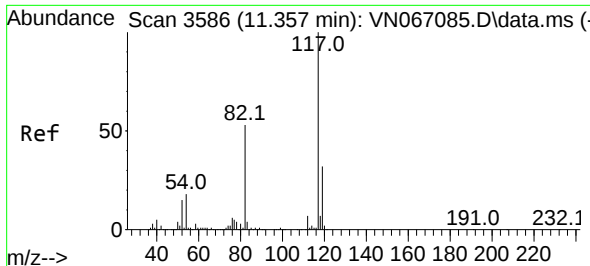
Tgt Ion: 43 Resp: 658896
Ion Ratio Lower Upper
43 100
58 20.7 29.8 89.5#



#62
4-Bromofluorobenzene
Concen: 48.29 ug/l
RT: 12.357 min Scan# 3959
Delta R.T. 0.002 min
Lab File: VN067113.D
Acq: 17 May 2021 19:46

Tgt Ion: 95 Resp: 360152
Ion Ratio Lower Upper
95 100
174 92.2 0.0 182.8
176 89.5 0.0 176.6

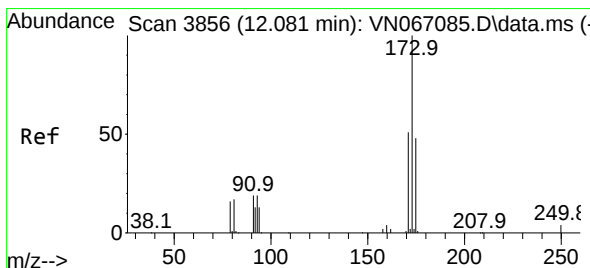
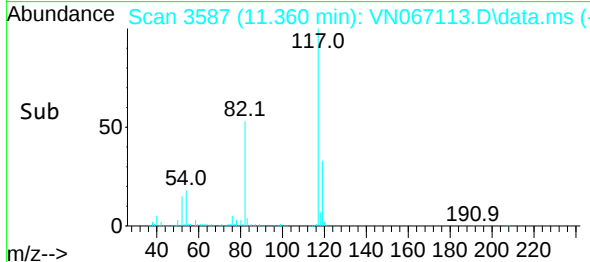
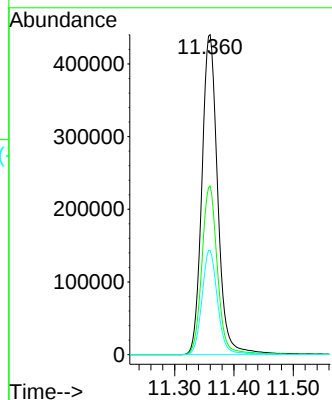
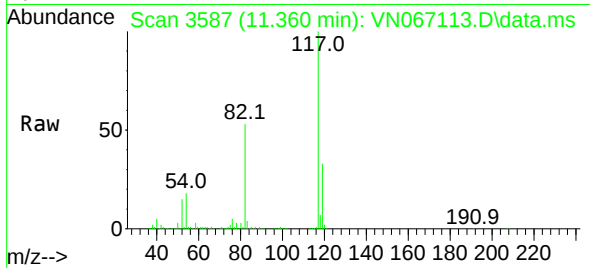




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.360 min Scan# 3587
Delta R.T. 0.003 min
Lab File: VN067113.D
Acq: 17 May 2021 19:46

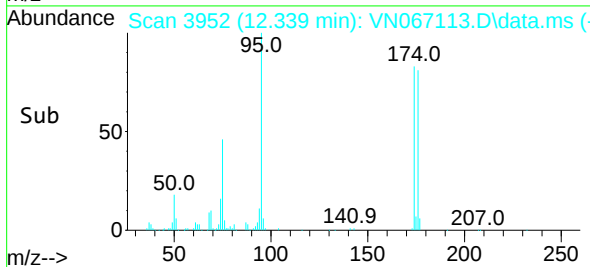
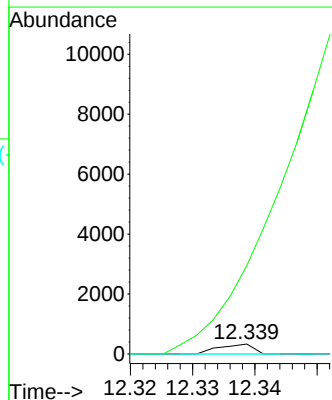
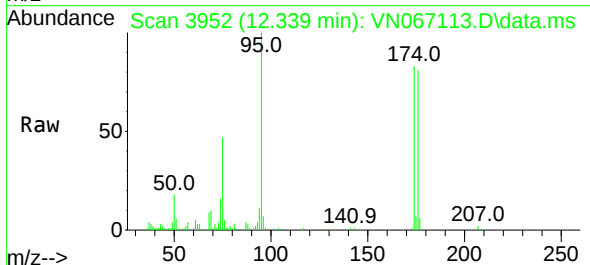
Instrument :
MSVOA_N
ClientSampled :

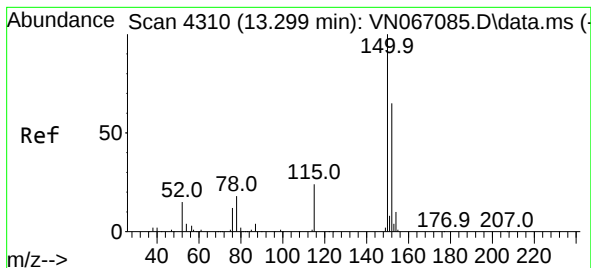
Tgt Ion:117 Resp: 817920
Ion Ratio Lower Upper
117 100
82 52.7 42.2 63.2
119 32.6 25.8 38.6



#71
Bromoform
Concen: 1.78 ug/l
RT: 12.339 min Scan# 3952
Delta R.T. 0.258 min
Lab File: VN067113.D
Acq: 17 May 2021 19:46

Tgt Ion:173 Resp: 127
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.302 min Scan# 4311

Delta R.T. 0.003 min

Lab File: VN067113.D

Acq: 17 May 2021 19:46

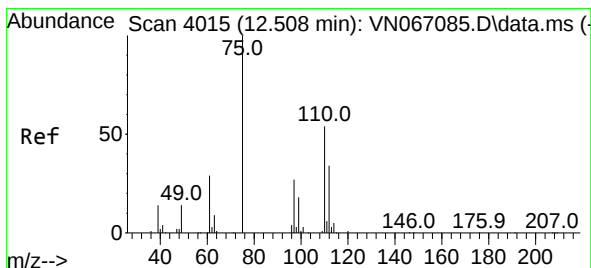
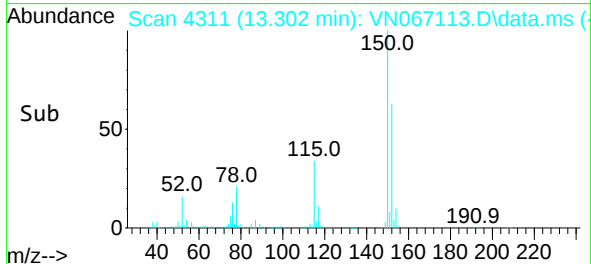
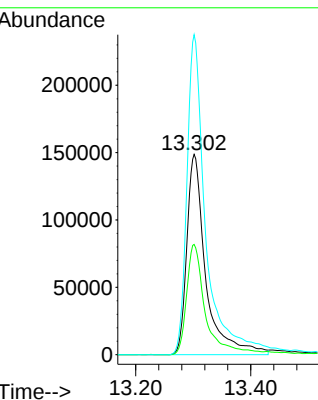
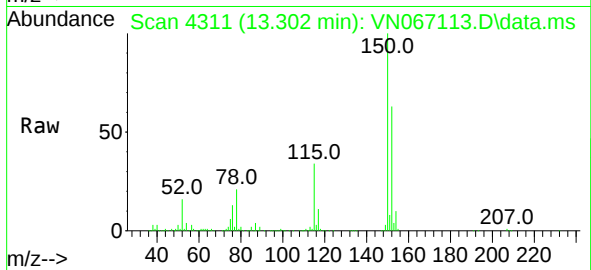
Tgt Ion:152 Resp: 342162

Ion Ratio Lower Upper

152 100

115 54.4 27.0 80.8

150 160.7 0.0 350.2



#76

1,2,3-Trichloropropane

Concen: 22.92 ug/l

RT: 12.357 min Scan# 3959

Delta R.T. -0.151 min

Lab File: VN067113.D

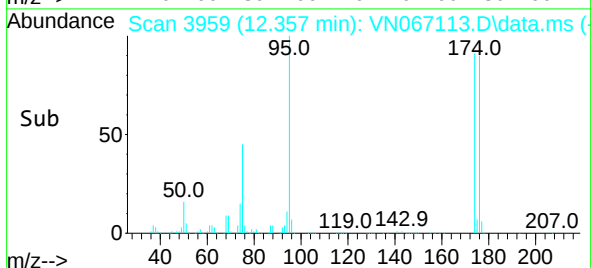
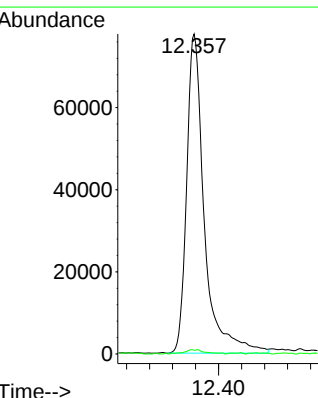
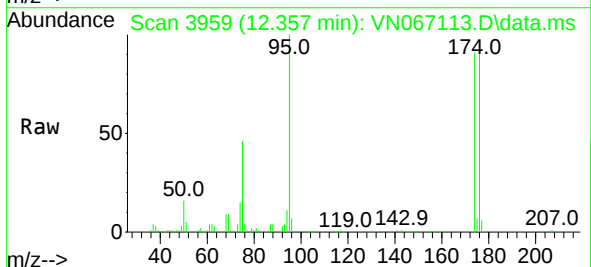
Acq: 17 May 2021 19:46

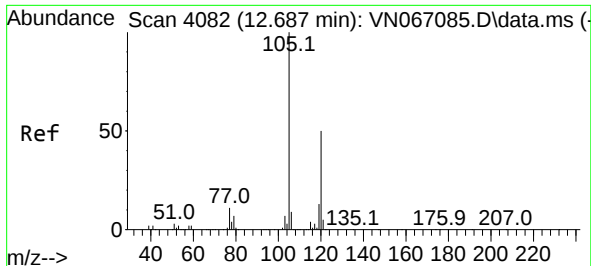
Tgt Ion: 75 Resp: 165479

Ion Ratio Lower Upper

75 100

77 0.8 0.0 0.0#

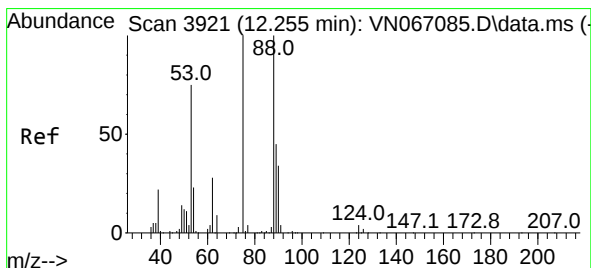
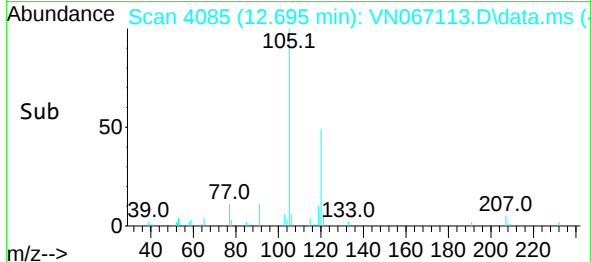
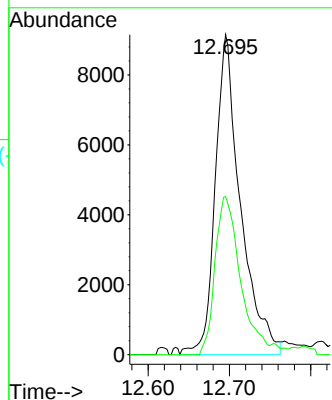
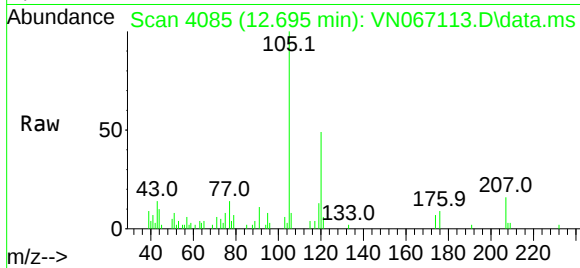




#80
1,3,5-Trimethylbenzene
Concen: 0.83 ug/l
RT: 12.695 min Scan# 4085
Delta R.T. 0.008 min
Lab File: VN067113.D
Acq: 17 May 2021 19:46

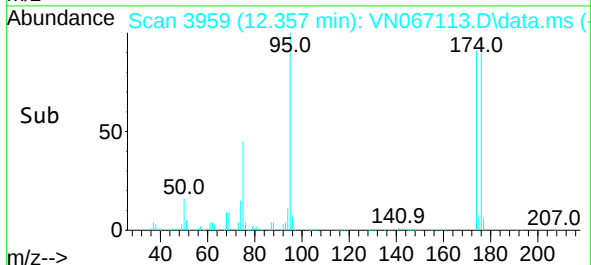
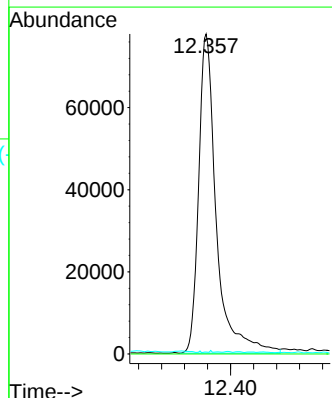
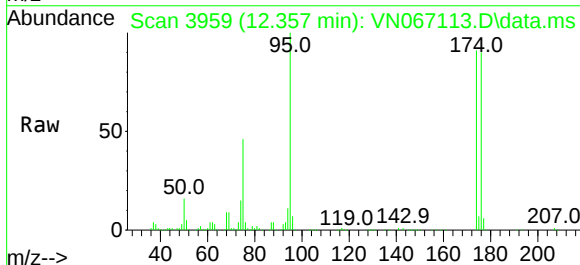
Instrument :
MSVOA_N
ClientSampled :

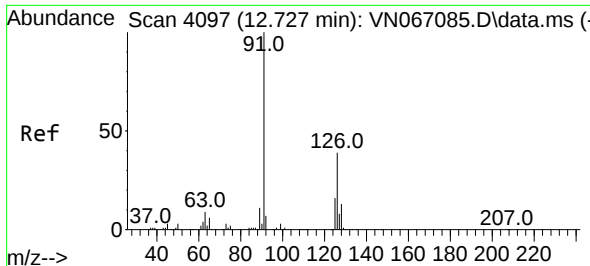
Tgt Ion:105 Resp: 19712
Ion Ratio Lower Upper
105 100
120 49.4 25.0 75.0



#81
trans-1,4-Dichloro-2-butene
Concen: 68.70 ug/l
RT: 12.357 min Scan# 3959
Delta R.T. 0.102 min
Lab File: VN067113.D
Acq: 17 May 2021 19:46

Tgt Ion: 75 Resp: 165479
Ion Ratio Lower Upper
75 100
53 0.0 66.3 99.5#
89 0.1 39.5 59.3#

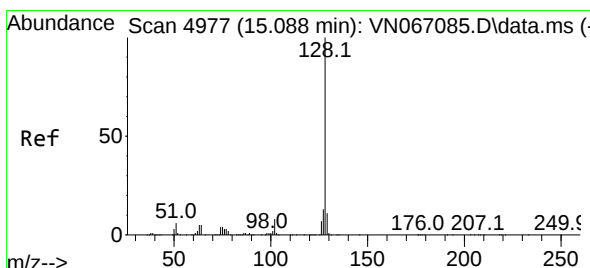
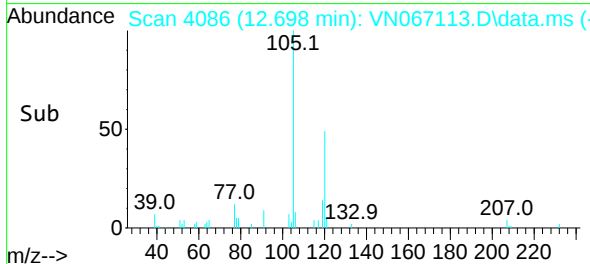
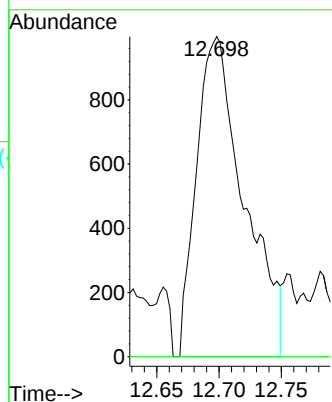
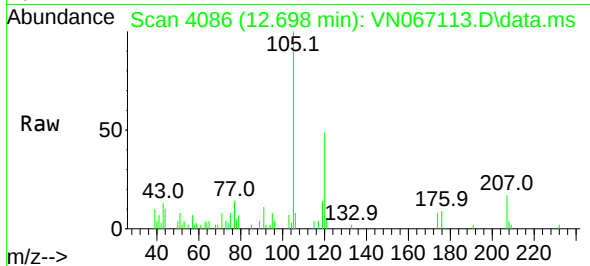




#82
4-Chlorotoluene
Concen: 1.32 ug/l
RT: 12.698 min Scan# 4086
Delta R.T. -0.029 min
Lab File: VN067113.D
Acq: 17 May 2021 19:46

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 91 Resp: 2649
Ion Ratio Lower Upper
91 100
126 0.0 17.7 53.1#



#95
Naphthalene
Concen: 3.38 ug/l
RT: 15.131 min Scan# 4993
Delta R.T. 0.043 min
Lab File: VN067113.D
Acq: 17 May 2021 19:46

Tgt Ion: 128 Resp: 1879
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 1.4 8.6 13.0#

