

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011222\
 Data File : VN070591.D
 Acq On : 12 Jan 2022 17:17
 Operator : JC/MD
 Sample : N1097-13
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 13 04:27:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 27 18:47:12 2021
 Response via : Initial Calibration

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

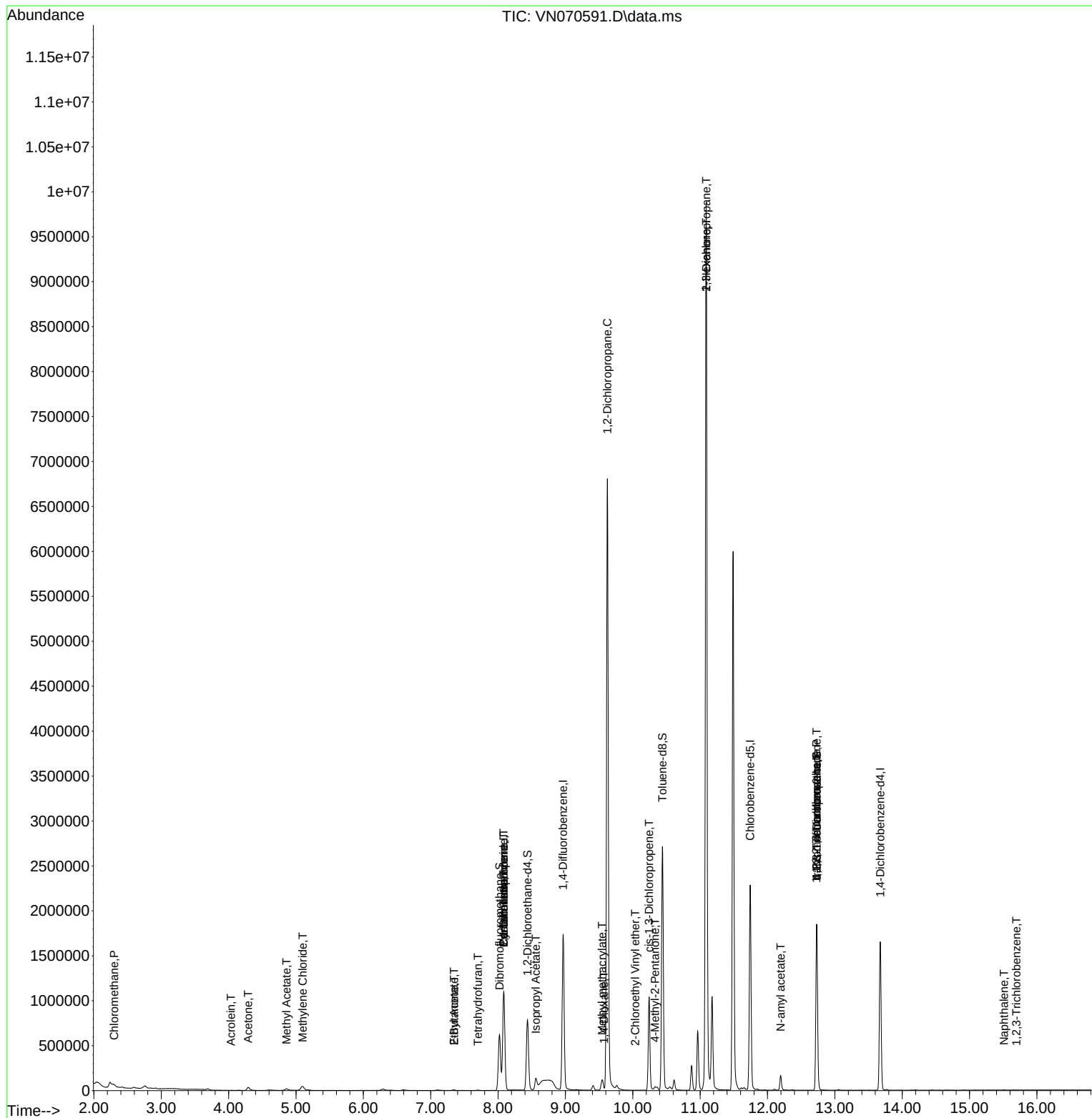
Internal Standards						
1) Pentafluorobenzene	8.083	168	841547	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1485717	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1332173	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	464351	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	656908	54.291	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 108.580%	
35) Dibromofluoromethane	8.021	113	462573	51.458	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 102.920%	
50) Toluene-d8	10.440	98	1887194	51.391	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 102.780%	
62) 4-Bromofluorobenzene	12.731	95	693425	52.281	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 104.560%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.301	50	4108	0.316	ug/l	90
13) Acrolein	4.036	56	663	0.406	ug/l #	76
16) Acetone	4.291	43	58943	7.504	ug/l	94
18) Methyl Acetate	4.859	43	36628	1.612	ug/l	93
20) Methylene Chloride	5.098	84	32482	2.989	ug/l	93
25) 2-Butanone	7.345	43	13265	1.341	ug/l #	83
29) Tetrahydrofuran	7.700	42	4194	0.711	ug/l #	59
31) Cyclohexane	8.083	56	19584	1.026	ug/l #	7
36) 1,1-Dichloropropene	8.083	75	67420	4.534	ug/l #	49
37) Ethyl Acetate	7.345	43	13265	0.688	ug/l #	68
38) Carbon Tetrachloride	8.083	117	82565	5.814	ug/l #	17
43) Isopropyl Acetate	8.560	43	162534	5.348	ug/l #	82
45) 1,2-Dichloropropane	9.622	63	7826	0.638	ug/l #	44
48) Methyl methacrylate	9.545	41	36532	2.520	ug/l #	8
49) 1,4-Dioxane	9.574	88	118	0.556	ug/l #	27
51) 4-Methyl-2-Pentanone	10.331	43	25702	1.346	ug/l	99
54) cis-1,3-Dichloropropene	10.242	75	174712	9.844	ug/l #	62
57) 1,3-Dichloropropane	11.090	76	101580	5.260	ug/l #	43
58) 2-Chloroethyl Vinyl ether	10.036	63	224	18.558	ug/l #	45
59) 2-Hexanone	11.090	43	1694080	121.651	ug/l #	49
74) N-amyl acetate	12.195	43	57153	3.152	ug/l #	53
75) 1,1,2,2-Tetrachloroethane	12.728	83	356	0.470	ug/l #	1
76) 1,2,3-Trichloropropane	12.731	75	353886	27.069	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	353886	93.112	ug/l #	5
95) Naphthalene	15.509	128	3183	1.942	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.697	180	552	0.900	ug/l #	83

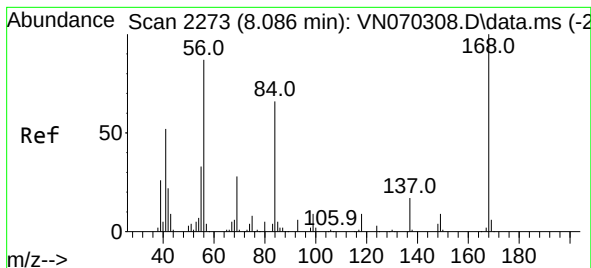
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Dec 27 18:47:12 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.083 min Scan# 21

Delta R.T. -0.003 min

Lab File: VN070591.D

Acq: 12 Jan 2022 17:17

Instrument :

MSVOA_N

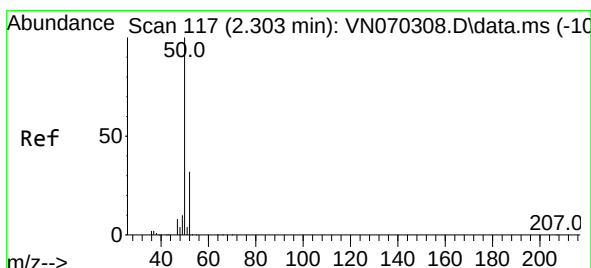
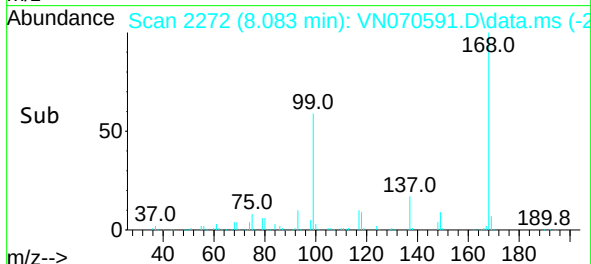
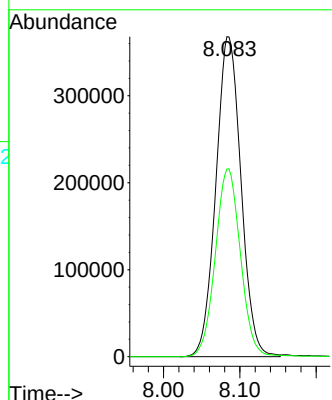
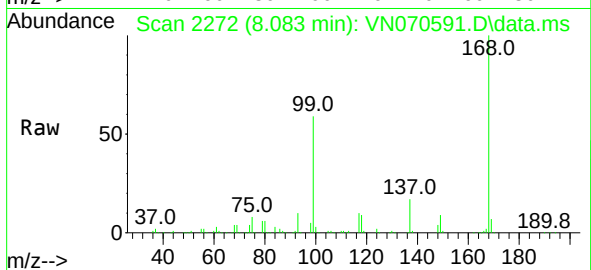
ClientSampleId :

Tgt Ion:168 Resp: 841547

Ion Ratio Lower Upper

168 100

99 58.7 41.3 61.9



#3

Chloromethane

Concen: 0.316 ug/l

RT: 2.301 min Scan# 116

Delta R.T. -0.002 min

Lab File: VN070591.D

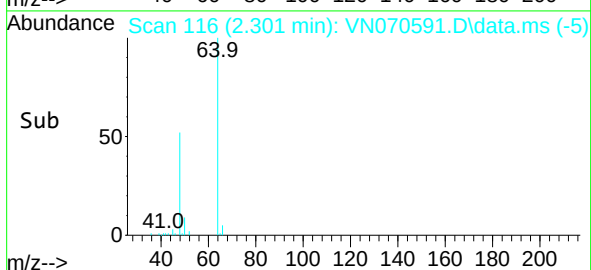
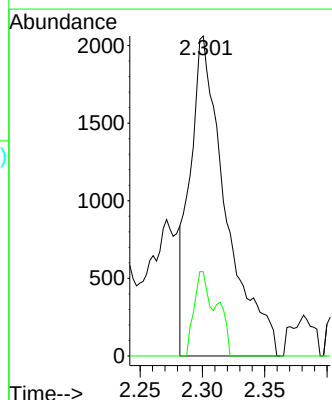
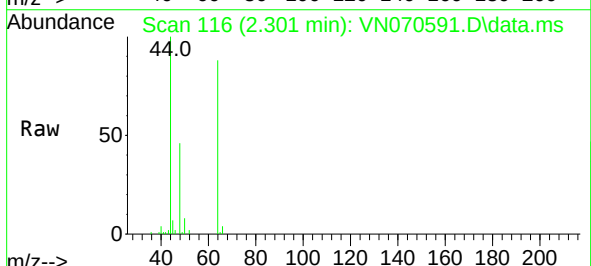
Acq: 12 Jan 2022 17:17

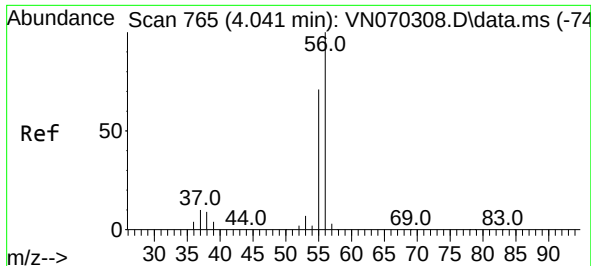
Tgt Ion: 50 Resp: 4108

Ion Ratio Lower Upper

50 100

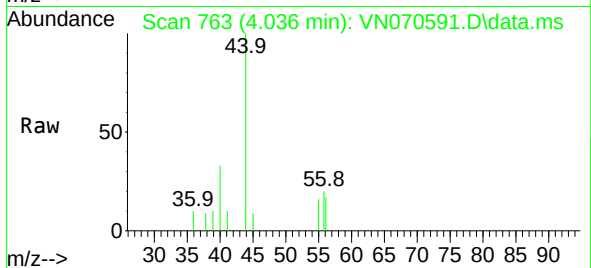
52 26.3 25.4 38.0



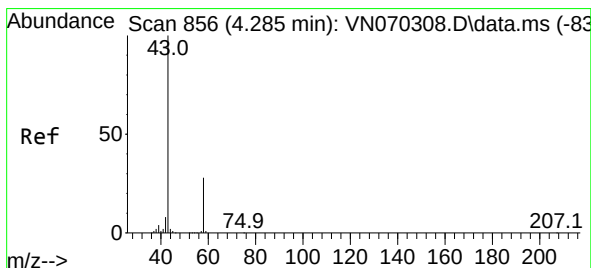
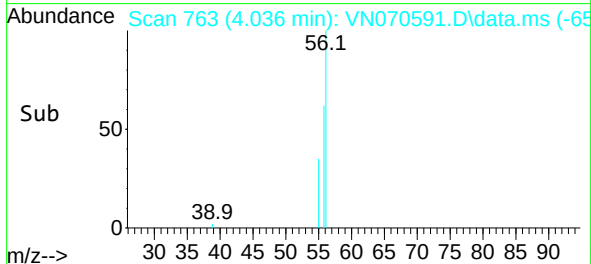
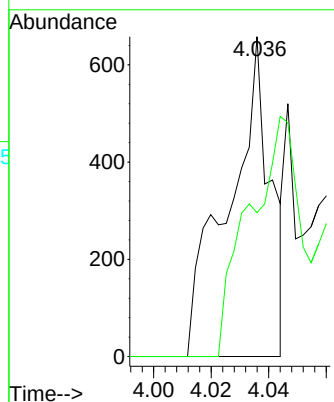


#13
Acrolein
Concen: 0.406 ug/l
RT: 4.036 min Scan# 763
Delta R.T. -0.005 min
Lab File: VN070591.D
Acq: 12 Jan 2022 17:17

Instrument :
MSVOA_N
ClientSampleId :

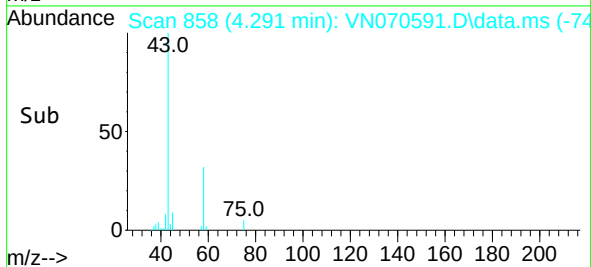
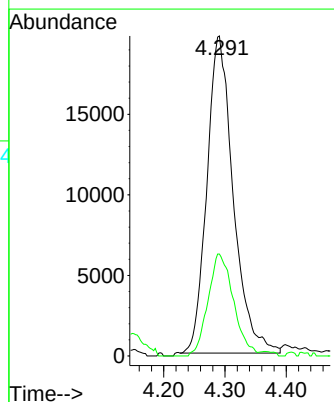
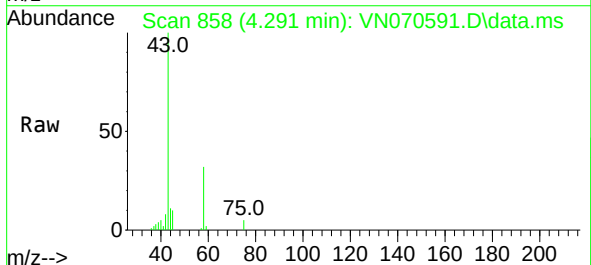


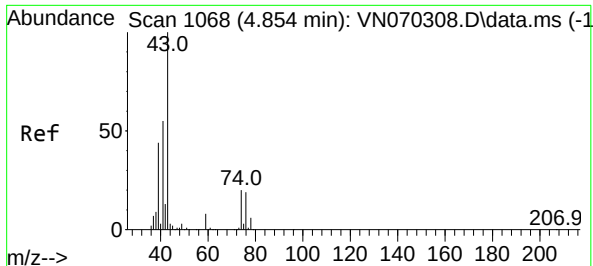
Tgt Ion: 56 Resp: 663
Ion Ratio Lower Upper
56 100
55 91.0 56.6 85.0#



#16
Acetone
Concen: 7.504 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.006 min
Lab File: VN070591.D
Acq: 12 Jan 2022 17:17

Tgt Ion: 43 Resp: 58943
Ion Ratio Lower Upper
43 100
58 32.2 23.1 34.7





#18

Methyl Acetate

Concen: 1.612 ug/l

RT: 4.859 min Scan# 1068

Delta R.T. 0.005 min

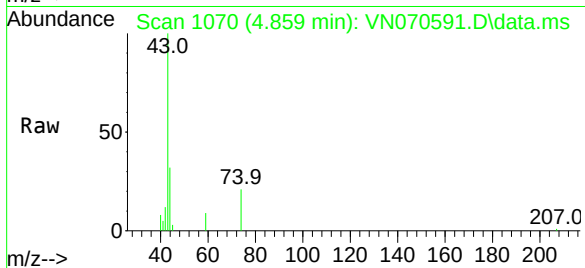
Lab File: VN070591.D

Acq: 12 Jan 2022 17:17

Instrument :

MSVOA_N

ClientSampleId :

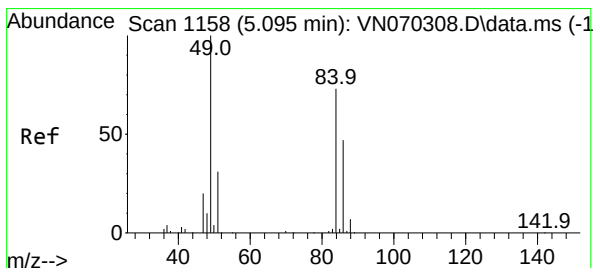
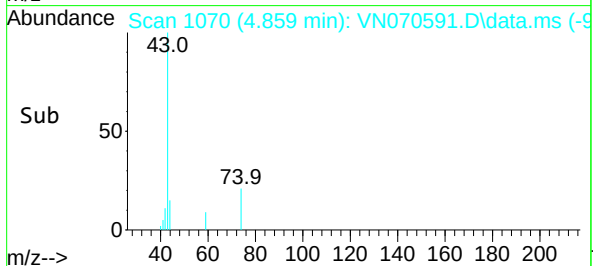
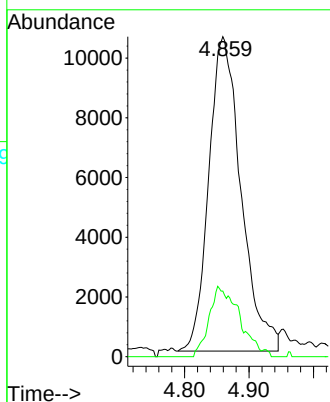


Tgt Ion: 43 Resp: 36628

Ion Ratio Lower Upper

43 100

74 20.7 19.4 29.2



#20

Methylene Chloride

Concen: 2.989 ug/l

RT: 5.098 min Scan# 1159

Delta R.T. 0.003 min

Lab File: VN070591.D

Acq: 12 Jan 2022 17:17

Tgt Ion: 84 Resp: 32482

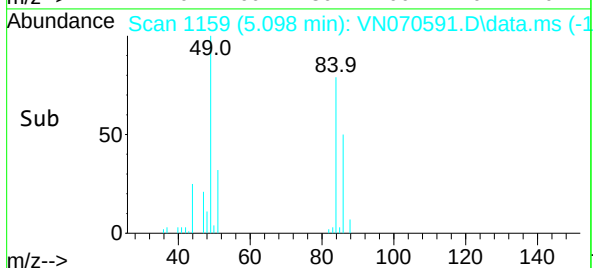
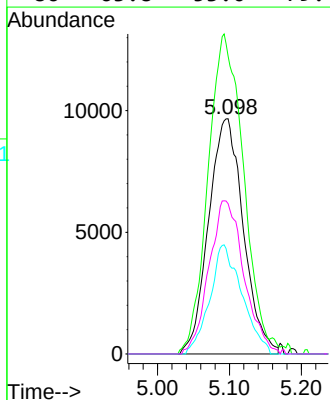
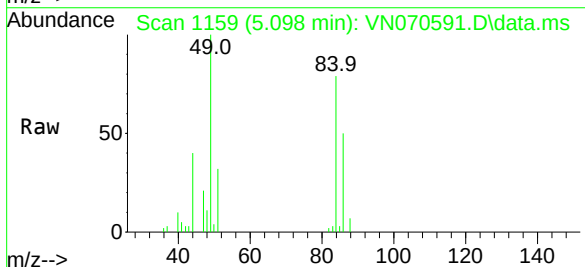
Ion Ratio Lower Upper

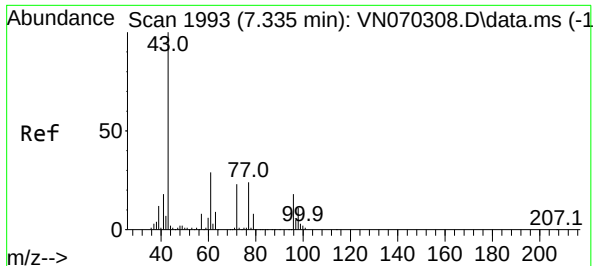
84 100

49 126.6 93.5 140.3

51 40.7 29.4 44.2

86 63.8 53.0 79.4





#25

2-Butanone

Concen: 1.341 ug/l

RT: 7.345 min Scan# 1993

Delta R.T. 0.010 min

Lab File: VN070591.D

Acq: 12 Jan 2022 17:17

Instrument :

MSVOA_N

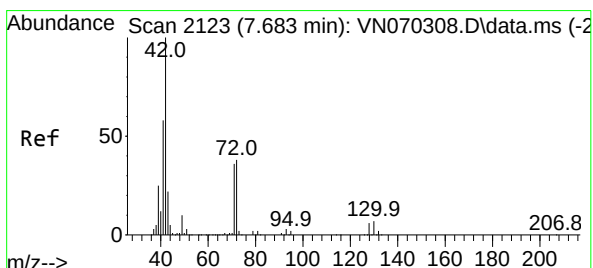
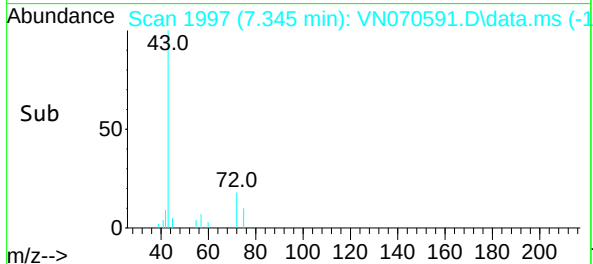
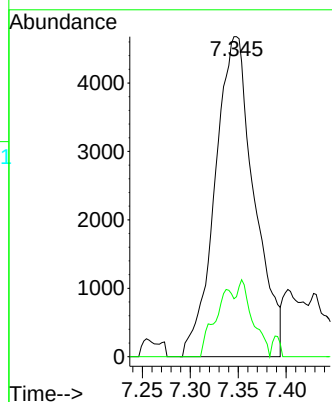
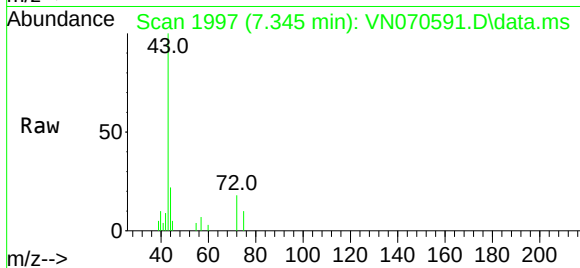
ClientSampleId :

Tgt Ion: 43 Resp: 13265

Ion Ratio Lower Upper

43 100

72 18.1 21.7 32.5#



#29

Tetrahydrofuran

Concen: 0.711 ug/l

RT: 7.700 min Scan# 2129

Delta R.T. 0.017 min

Lab File: VN070591.D

Acq: 12 Jan 2022 17:17

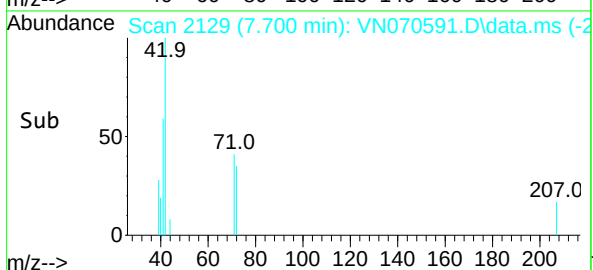
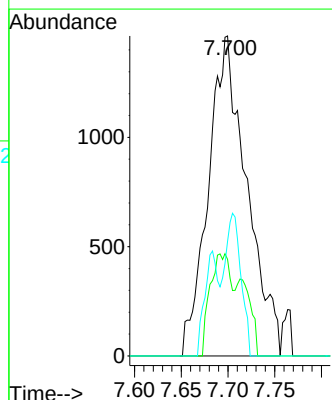
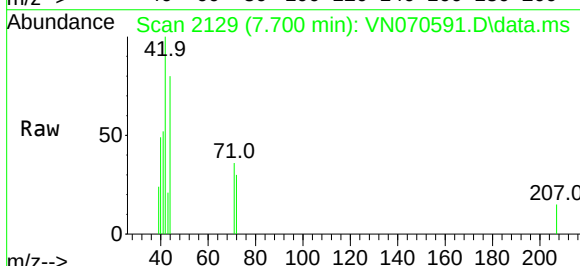
Tgt Ion: 42 Resp: 4194

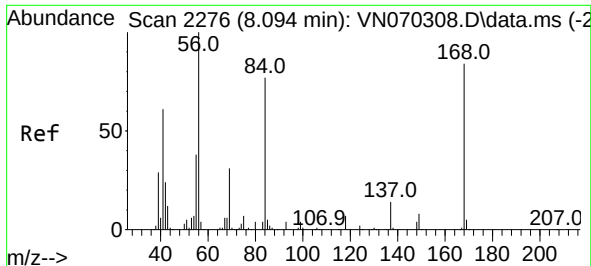
Ion Ratio Lower Upper

42 100

72 17.0 36.3 54.5#

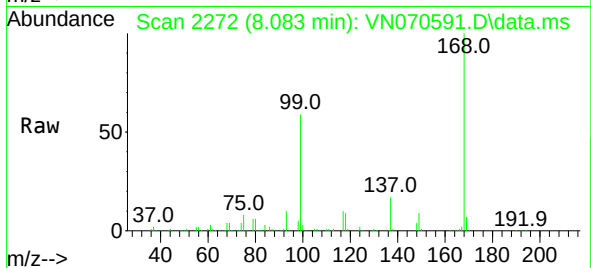
71 18.6 34.7 52.1#



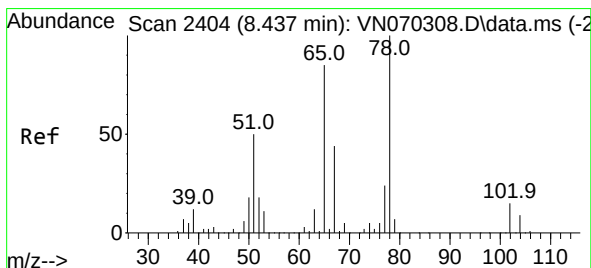
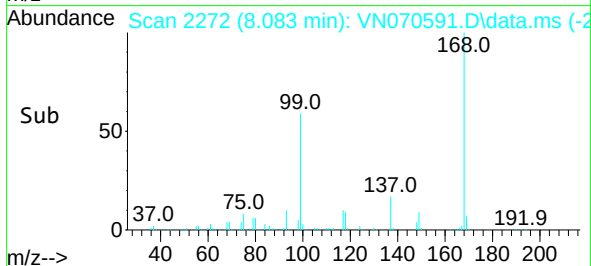
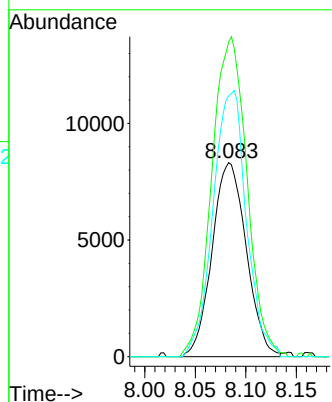


#31
Cyclohexane
Concen: 1.026 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.011 min
Lab File: VN070591.D
Acq: 12 Jan 2022 17:17

Instrument :
MSVOA_N
ClientSampleId :

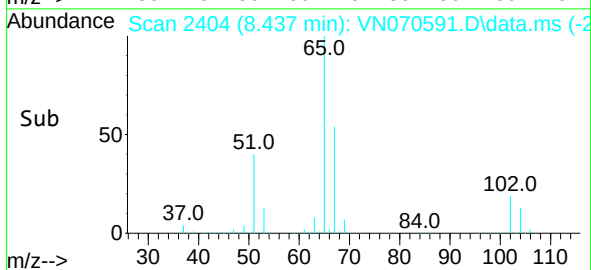
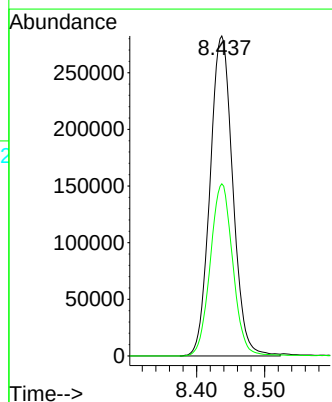
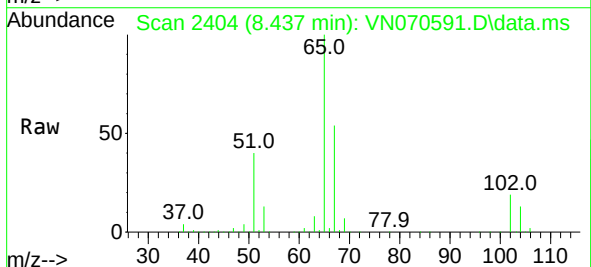


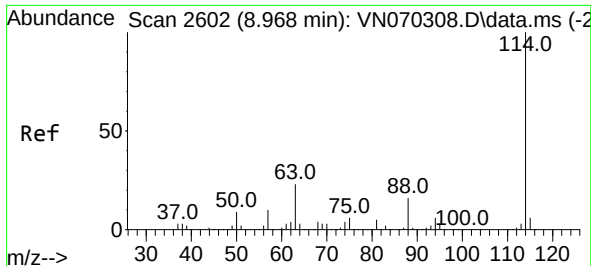
Tgt Ion: 56 Resp: 19584
Ion Ratio Lower Upper
56 100
69 162.2 27.1 40.7#
84 134.4 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 54.291 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN070591.D
Acq: 12 Jan 2022 17:17

Tgt Ion: 65 Resp: 656908
Ion Ratio Lower Upper
65 100
67 53.4 0.0 103.0

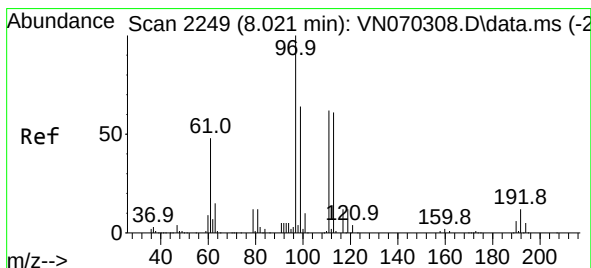
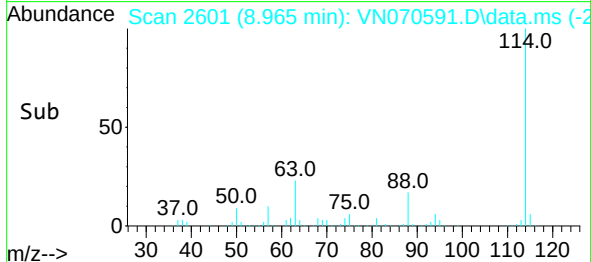
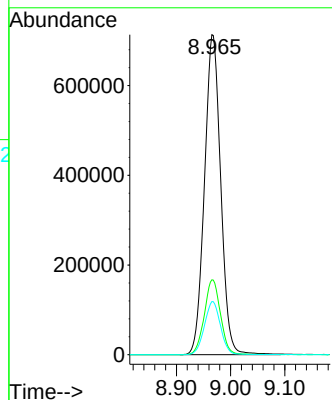
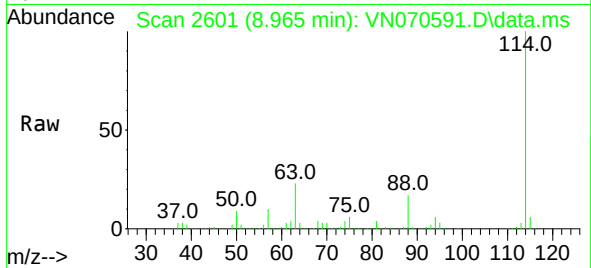




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.965 min Scan# 2601
Delta R.T. -0.003 min
Lab File: VN070591.D
Acq: 12 Jan 2022 17:17

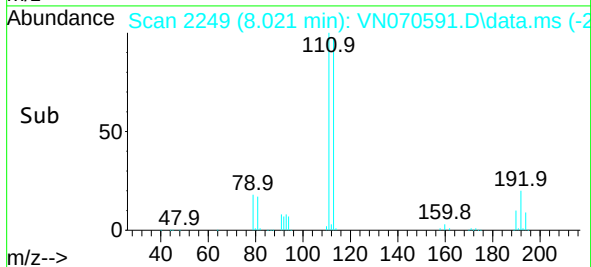
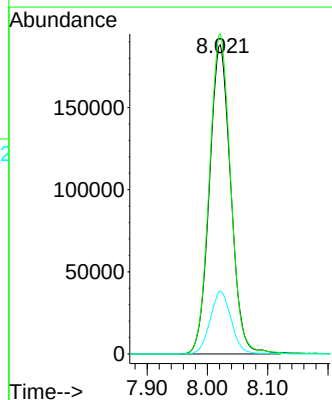
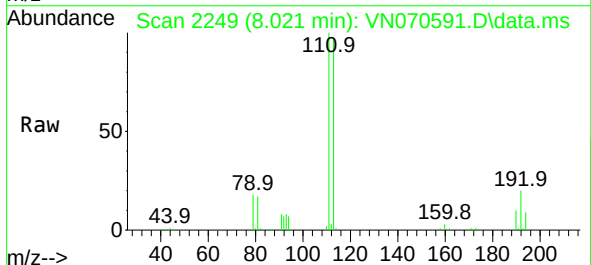
Instrument :
MSVOA_N
ClientSampleId :

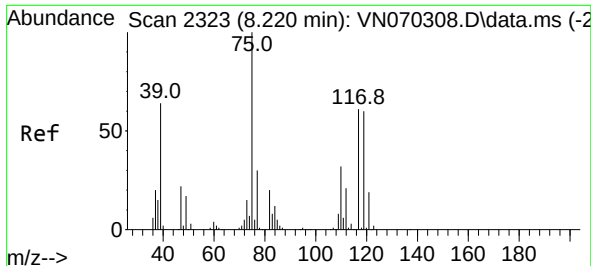
Tgt Ion:114 Resp: 1485717
Ion Ratio Lower Upper
114 100
63 23.4 0.0 37.8
88 16.6 0.0 27.4



#35
Dibromofluoromethane
Concen: 51.458 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. 0.000 min
Lab File: VN070591.D
Acq: 12 Jan 2022 17:17

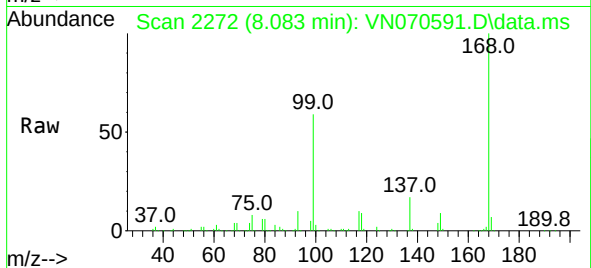
Tgt Ion:113 Resp: 462573
Ion Ratio Lower Upper
113 100
111 103.5 82.2 123.2
192 20.0 16.9 25.3



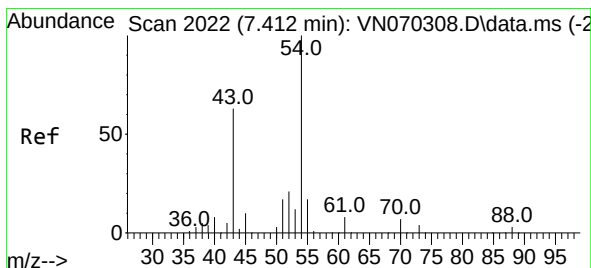
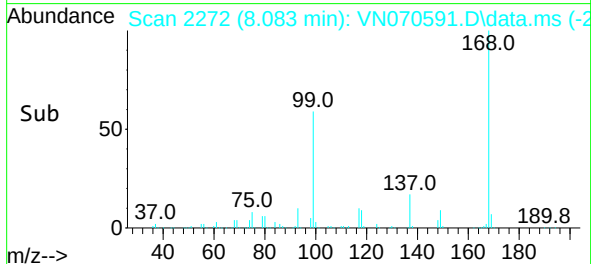
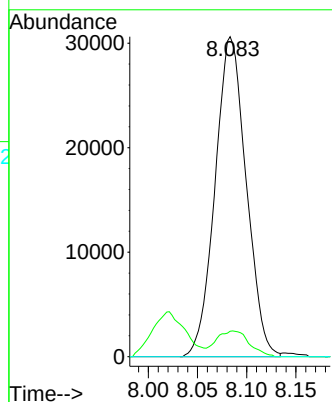


#36
 1,1-Dichloropropene
 Concen: 4.534 ug/l
 RT: 8.083 min Scan# 21
 Delta R.T. -0.137 min
 Lab File: VN070591.D
 Acq: 12 Jan 2022 17:17

Instrument :
 MSVOA_N
 ClientSampleId :

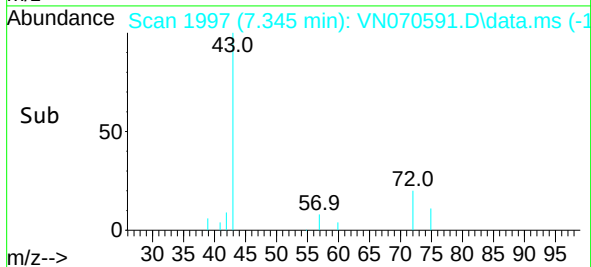
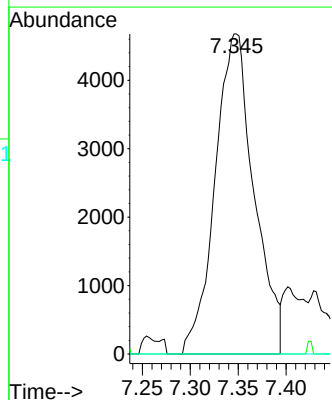
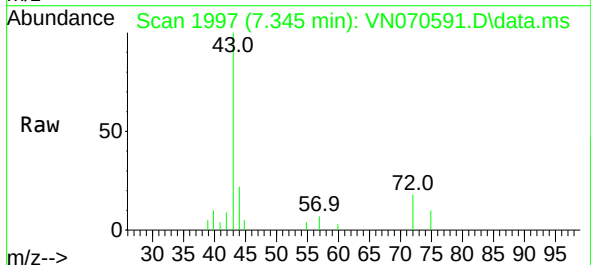


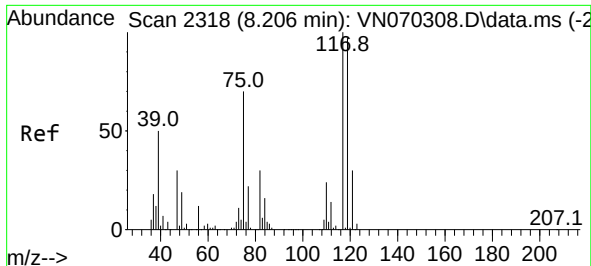
Tgt Ion: 75 Resp: 67420
 Ion Ratio Lower Upper
 75 100
 110 8.5 18.4 55.2#
 77 0.0 24.4 36.6#



#37
 Ethyl Acetate
 Concen: 0.688 ug/l
 RT: 7.345 min Scan# 1997
 Delta R.T. -0.067 min
 Lab File: VN070591.D
 Acq: 12 Jan 2022 17:17

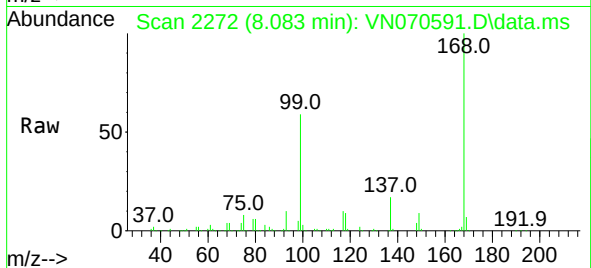
Tgt Ion: 43 Resp: 13265
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.5 17.3#
 70 0.0 7.9 11.9#



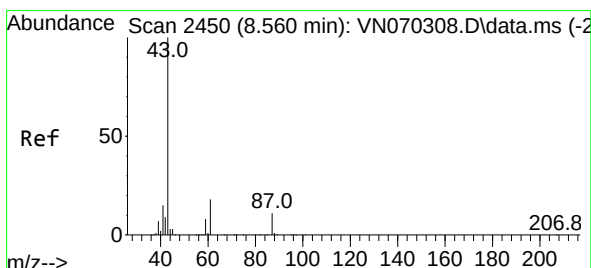
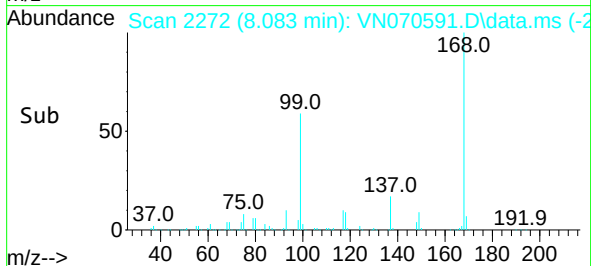
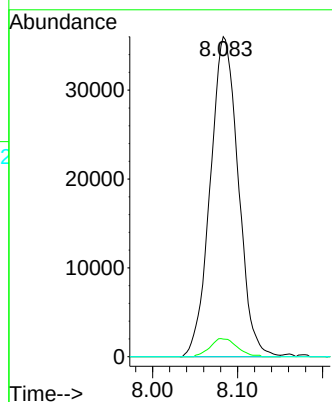


#38
Carbon Tetrachloride
Concen: 5.814 ug/l
RT: 8.083 min Scan# 211
Delta R.T. -0.123 min
Lab File: VN070591.D
Acq: 12 Jan 2022 17:17

Instrument :
MSVOA_N
ClientSampleId :

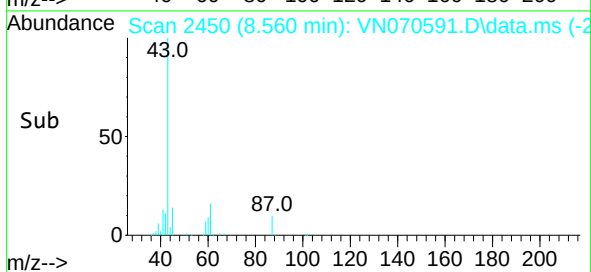
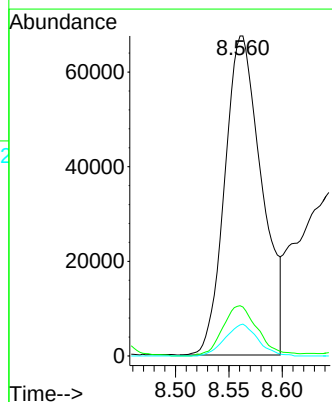
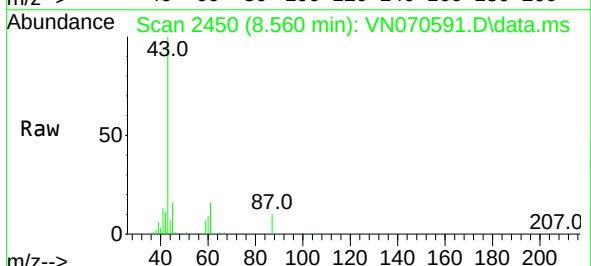


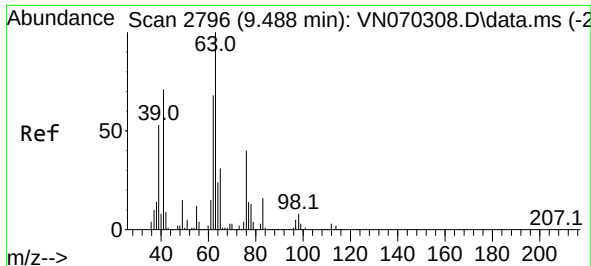
Tgt Ion:117 Resp: 82565
Ion Ratio Lower Upper
117 100
119 5.5 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 5.348 ug/l
RT: 8.560 min Scan# 2450
Delta R.T. 0.000 min
Lab File: VN070591.D
Acq: 12 Jan 2022 17:17

Tgt Ion: 43 Resp: 162534
Ion Ratio Lower Upper
43 100
61 15.0 20.4 30.6#
87 8.8 11.2 16.8#





#45

1,2-Dichloropropane

Concen: 0.638 ug/l

RT: 9.622 min Scan# 2817

Delta R.T. 0.134 min

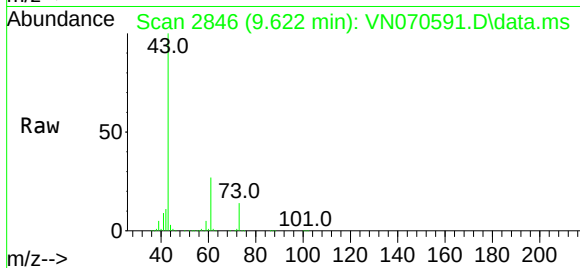
Lab File: VN070591.D

Acq: 12 Jan 2022 17:17

Instrument :

MSVOA_N

ClientSampleId :

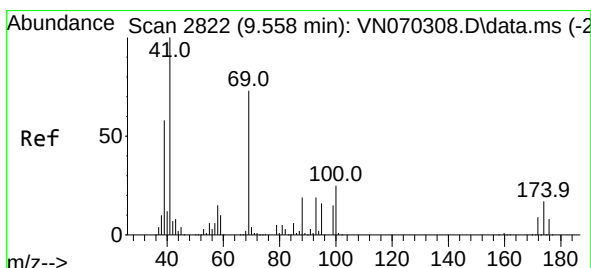
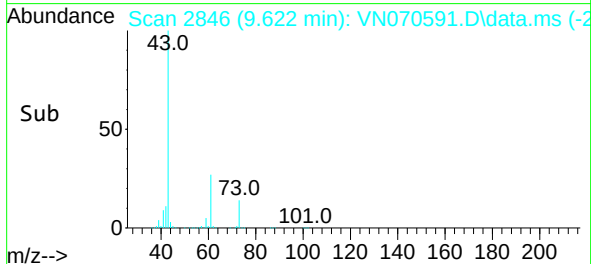
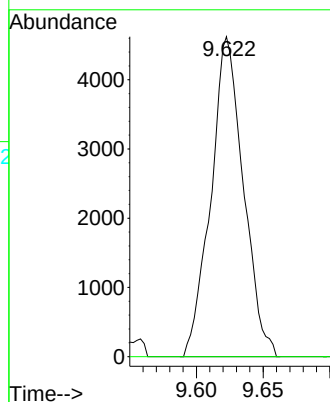


Tgt Ion: 63 Resp: 7826

Ion Ratio Lower Upper

63 100

65 0.0 24.7 37.1#



#48

Methyl methacrylate

Concen: 2.520 ug/l

RT: 9.545 min Scan# 2817

Delta R.T. -0.013 min

Lab File: VN070591.D

Acq: 12 Jan 2022 17:17

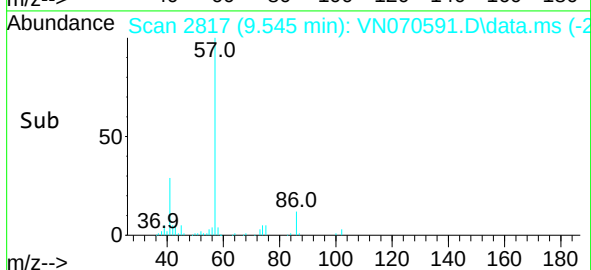
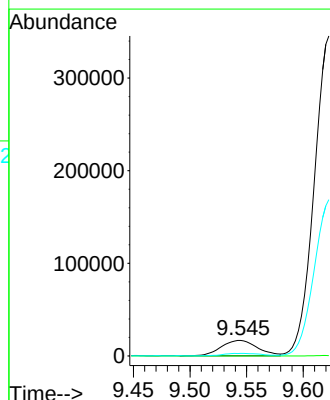
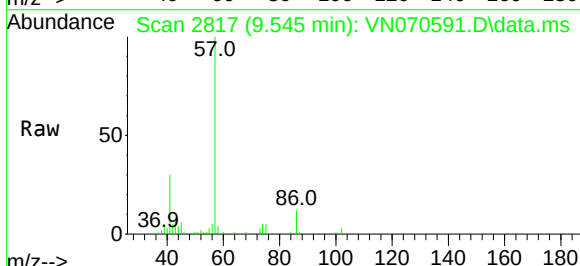
Tgt Ion: 41 Resp: 36532

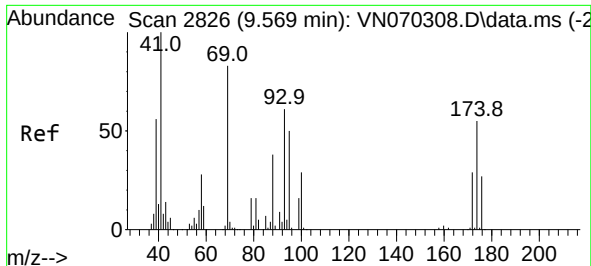
Ion Ratio Lower Upper

41 100

69 0.0 72.4 108.6#

39 0.0 58.4 87.6#





#49

1,4-Dioxane

Concen: 0.556 ug/l

RT: 9.574 min Scan# 2826

Delta R.T. 0.005 min

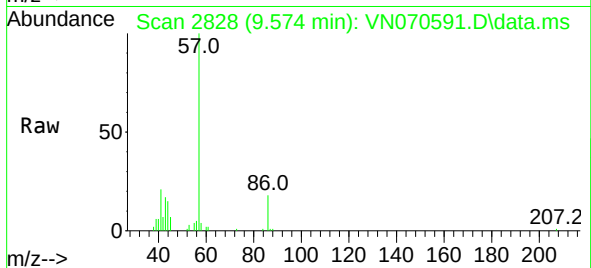
Lab File: VN070591.D

Acq: 12 Jan 2022 17:17

Instrument :

MSVOA_N

ClientSampleId :



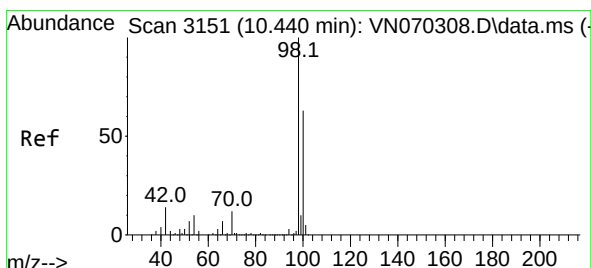
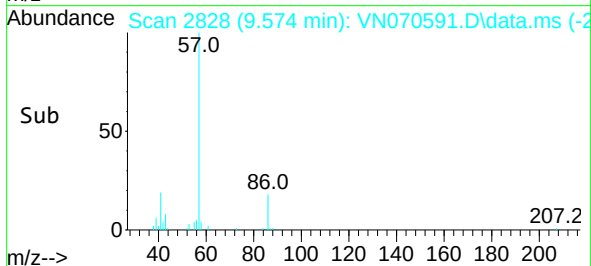
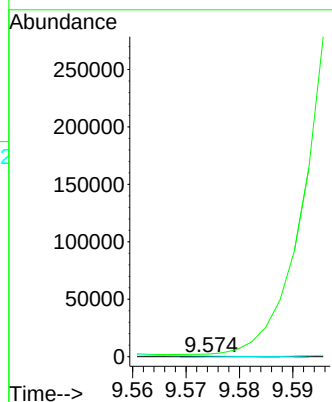
Tgt Ion: 88 Resp: 118

Ion Ratio Lower Upper

88 100

43 0.0 23.4 35.2#

58 0.0 50.6 75.8#



#50

Toluene-d8

Concen: 51.391 ug/l

RT: 10.440 min Scan# 3151

Delta R.T. 0.000 min

Lab File: VN070591.D

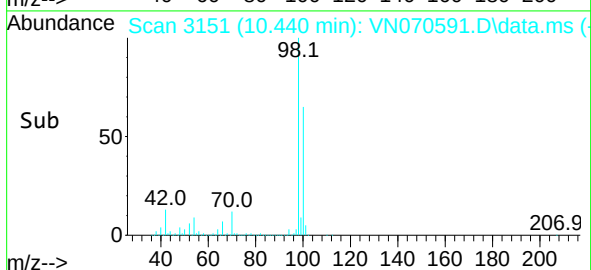
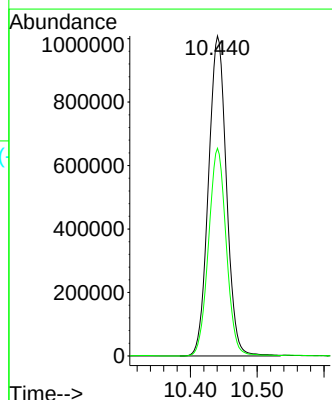
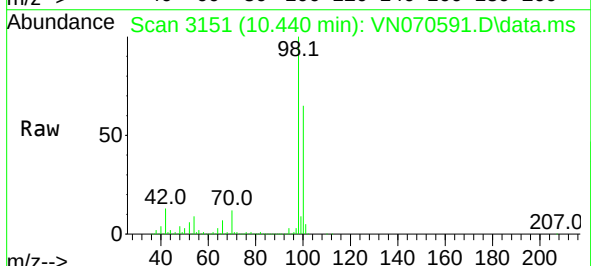
Acq: 12 Jan 2022 17:17

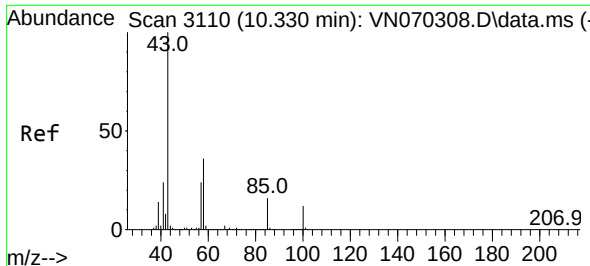
Tgt Ion: 98 Resp: 1887194

Ion Ratio Lower Upper

98 100

100 64.2 50.4 75.6

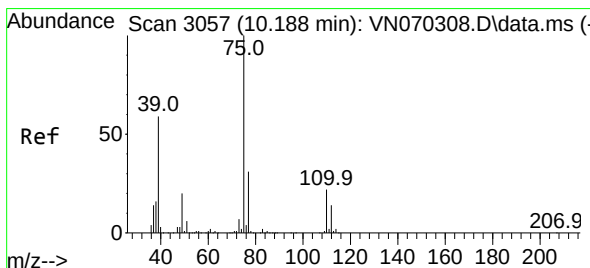
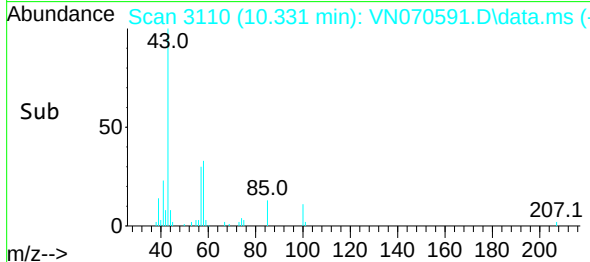
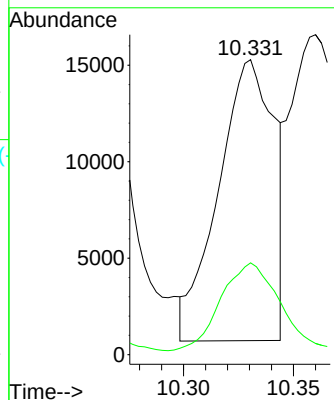
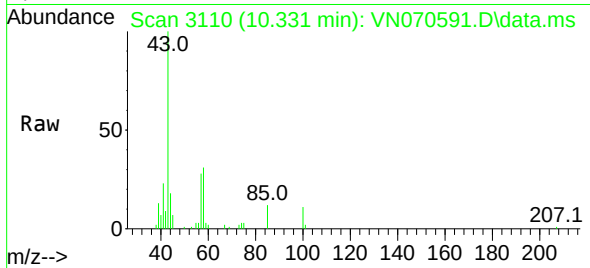




#51
4-Methyl-2-Pentanone
Concen: 1.346 ug/l
RT: 10.331 min Scan# 3110
Delta R.T. 0.001 min
Lab File: VN070591.D
Acq: 12 Jan 2022 17:17

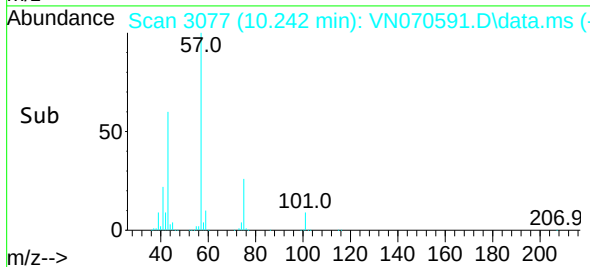
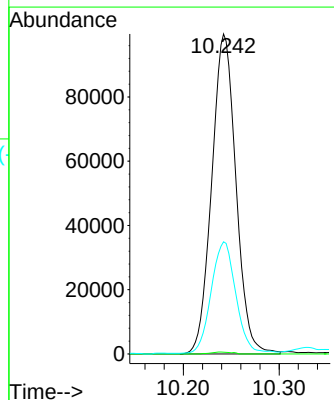
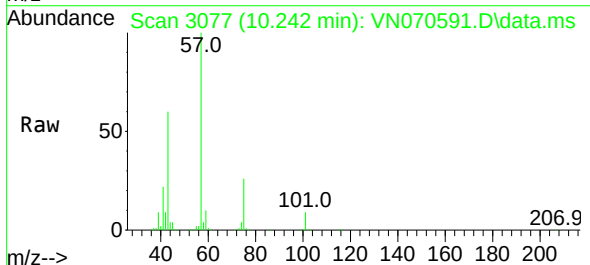
Instrument :
MSVOA_N
ClientSampleId :

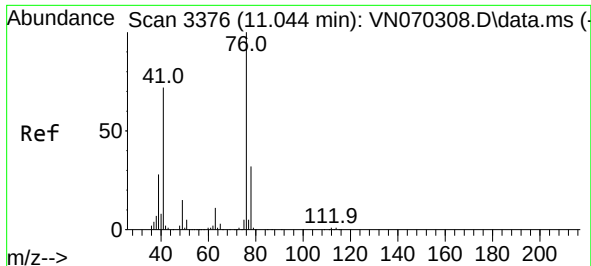
Tgt Ion: 43 Resp: 25702
Ion Ratio Lower Upper
43 100
58 37.4 30.4 45.6



#54
cis-1,3-Dichloropropene
Concen: 9.844 ug/l
RT: 10.242 min Scan# 3077
Delta R.T. 0.054 min
Lab File: VN070591.D
Acq: 12 Jan 2022 17:17

Tgt Ion: 75 Resp: 174712
Ion Ratio Lower Upper
75 100
77 0.6 26.4 39.6#
39 34.9 42.5 63.7#





#57

1,3-Dichloropropane

Concen: 5.260 ug/l

RT: 11.090 min Scan# 31

Delta R.T. 0.046 min

Lab File: VN070591.D

Acq: 12 Jan 2022 17:17

Instrument :

MSVOA_N

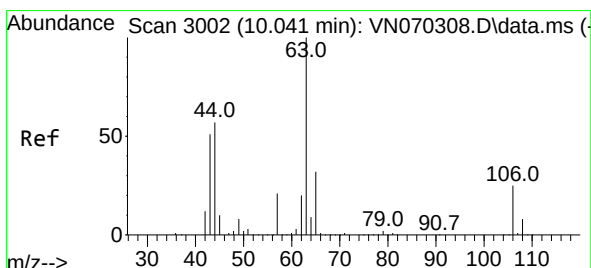
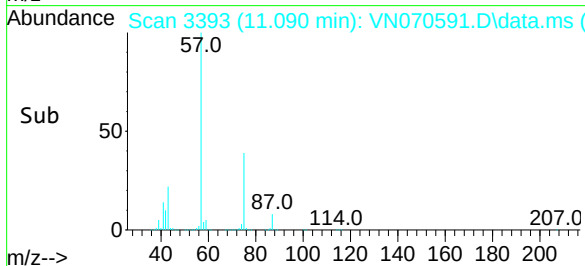
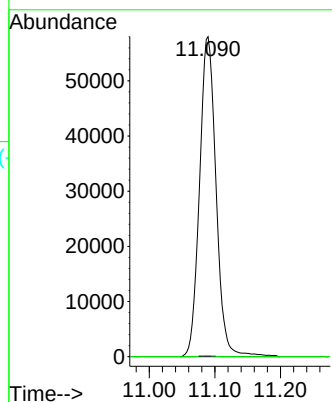
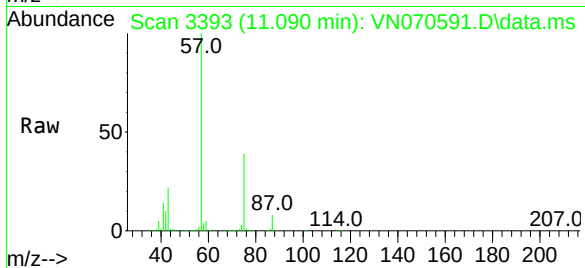
ClientSampleId :

Tgt Ion: 76 Resp: 101580

Ion Ratio Lower Upper

76 100

78 0.1 25.7 38.5#



#58

2-Chloroethyl Vinyl ether

Concen: 18.558 ug/l

RT: 10.036 min Scan# 3000

Delta R.T. -0.005 min

Lab File: VN070591.D

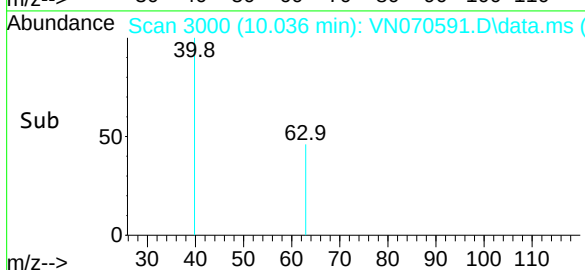
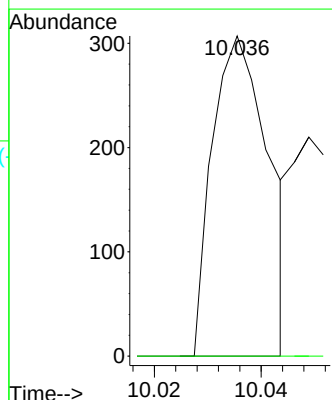
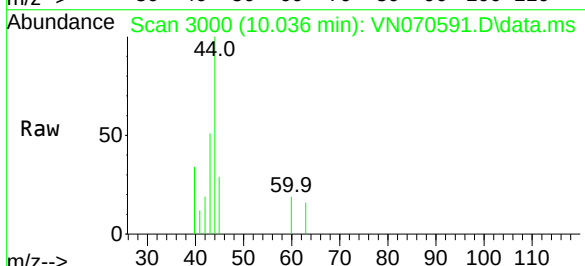
Acq: 12 Jan 2022 17:17

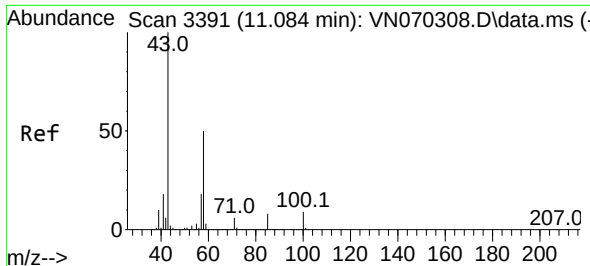
Tgt Ion: 63 Resp: 224

Ion Ratio Lower Upper

63 100

106 0.0 23.9 35.9#

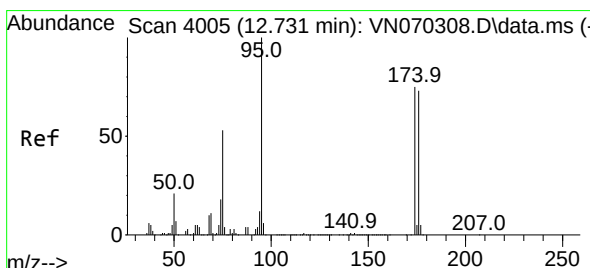
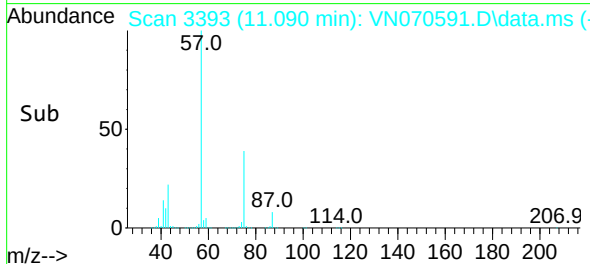
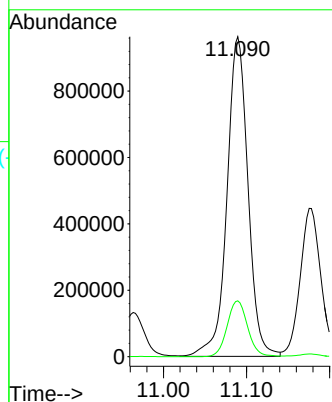
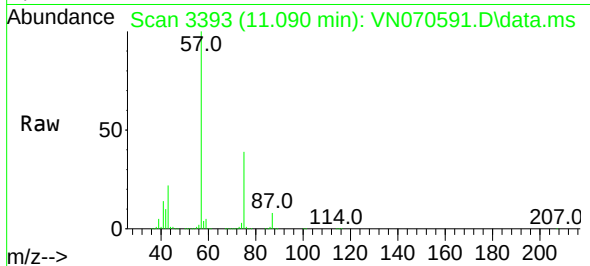




#59
2-Hexanone
Concen: 121.651 ug/l
RT: 11.090 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN070591.D
Acq: 12 Jan 2022 17:17

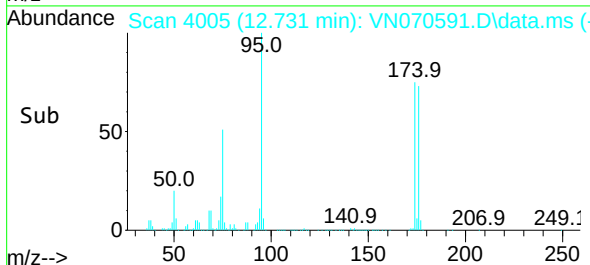
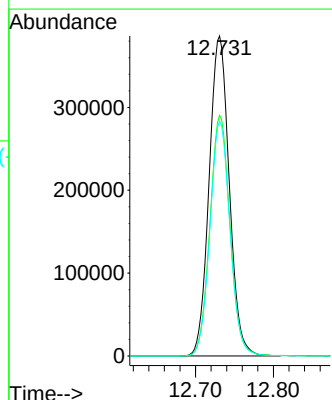
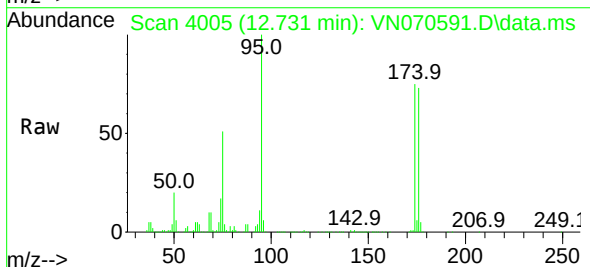
Instrument :
MSVOA_N
ClientSampleId :

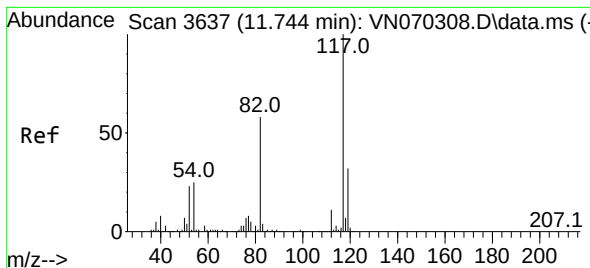
Tgt Ion: 43 Resp: 1694080
Ion Ratio Lower Upper
43 100
58 17.1 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 52.281 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070591.D
Acq: 12 Jan 2022 17:17

Tgt Ion: 95 Resp: 693425
Ion Ratio Lower Upper
95 100
174 75.3 0.0 187.2
176 72.9 0.0 181.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.744 min Scan# 3

Delta R.T. -0.000 min

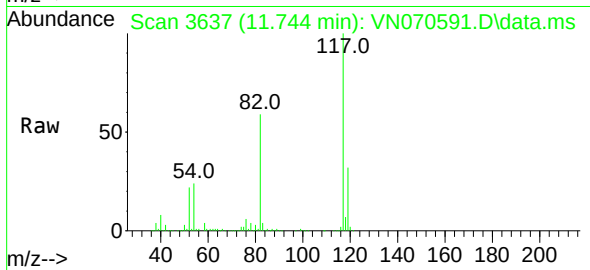
Lab File: VN070591.D

Acq: 12 Jan 2022 17:17

Instrument :

MSVOA_N

ClientSampleId :



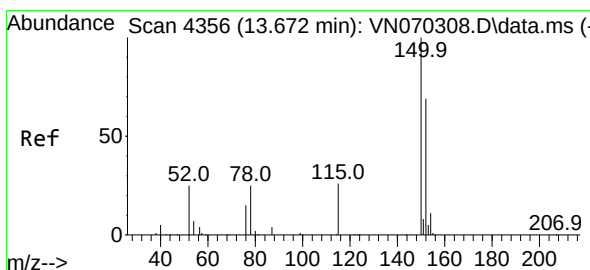
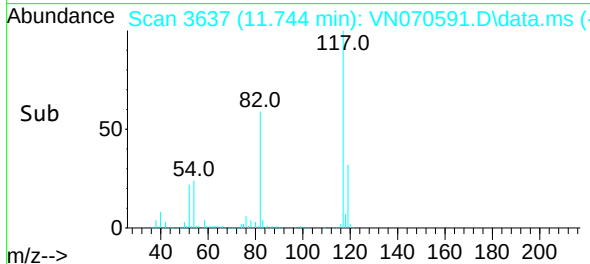
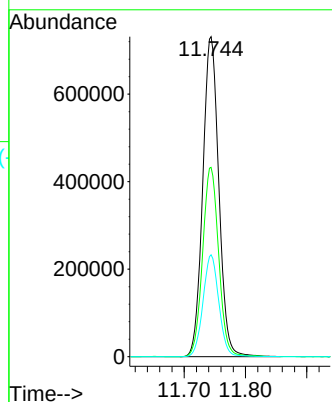
Tgt Ion:117 Resp: 1332173

Ion Ratio Lower Upper

117 100

82 59.2 42.4 63.6

119 31.8 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.675 min Scan# 4357

Delta R.T. 0.003 min

Lab File: VN070591.D

Acq: 12 Jan 2022 17:17

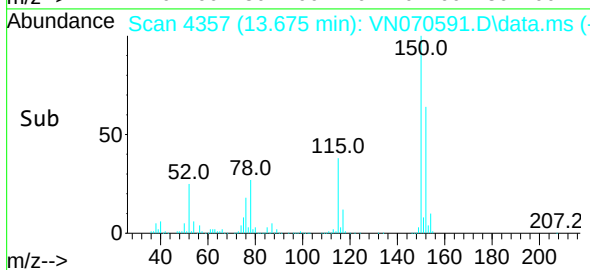
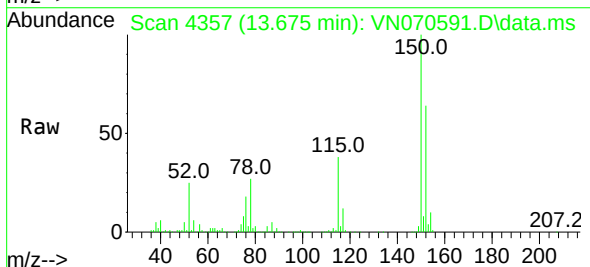
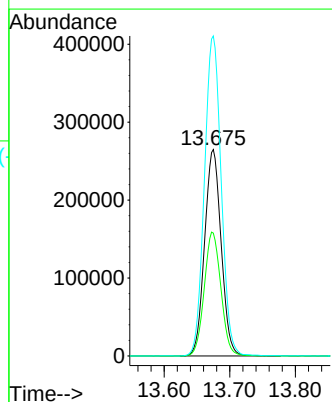
Tgt Ion:152 Resp: 464351

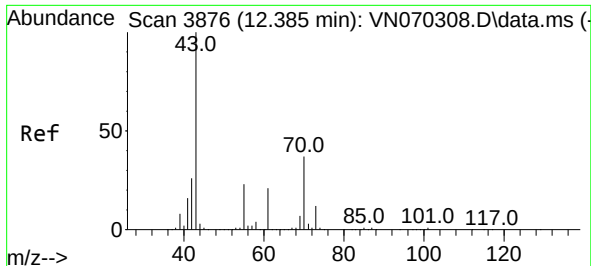
Ion Ratio Lower Upper

152 100

115 60.3 27.5 82.5

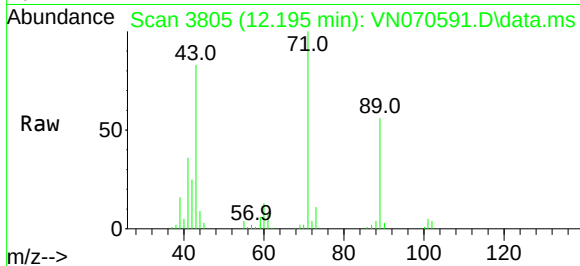
150 157.1 0.0 344.4



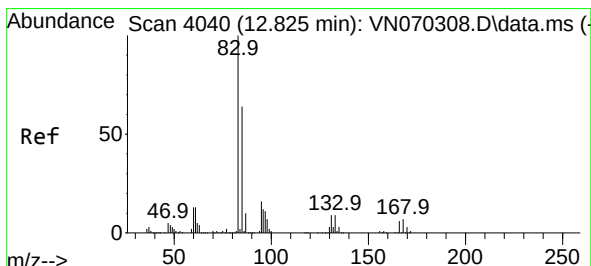
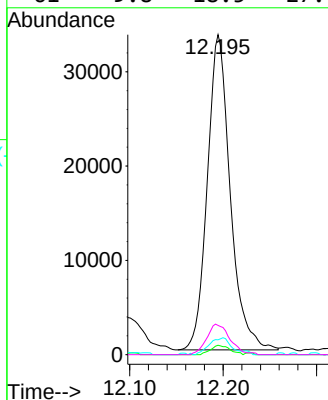
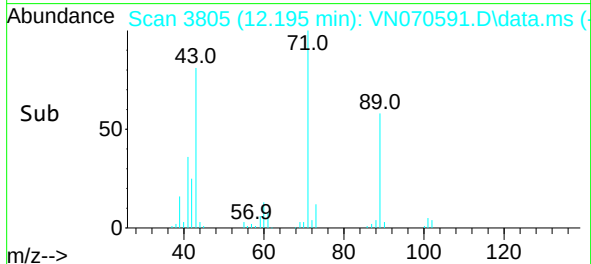


#74
N-amy1 acetate
Concen: 3.152 ug/l
RT: 12.195 min Scan# 3876
Delta R.T. -0.191 min
Lab File: VN070591.D
Acq: 12 Jan 2022 17:17

Instrument :
MSVOA_N
ClientSampleId :

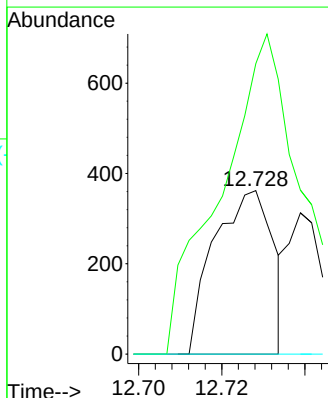
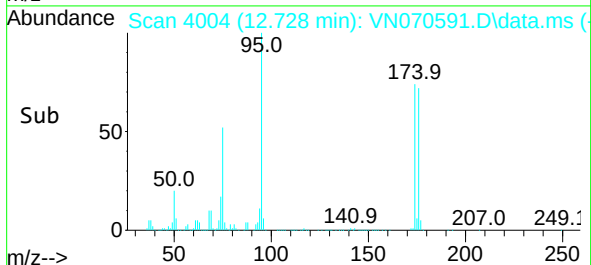
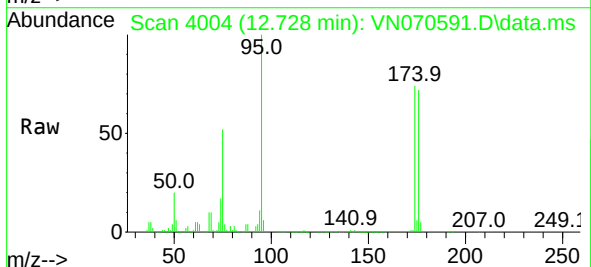


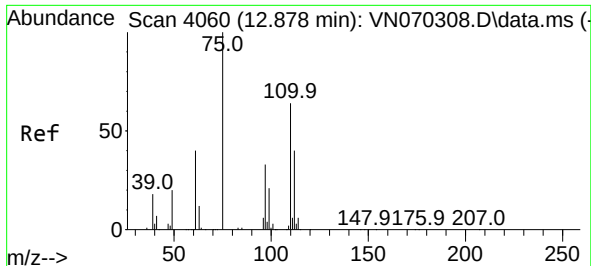
Tgt Ion: 43	Resp: 57153
Ion Ratio	Lower Upper
43 100	
70 2.5	33.4 50.0#
55 5.4	19.3 28.9#
61 9.8	18.5 27.7#



#75
1,1,2,2-Tetrachloroethane
Concen: 0.470 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. -0.097 min
Lab File: VN070591.D
Acq: 12 Jan 2022 17:17

Tgt Ion: 83	Resp: 356
Ion Ratio	Lower Upper
83 100	
131 257.0	5.5 16.5#
85 0.0	32.4 97.2#

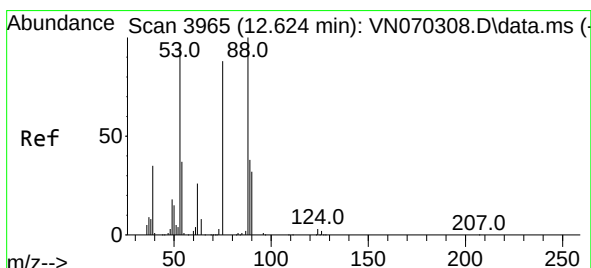
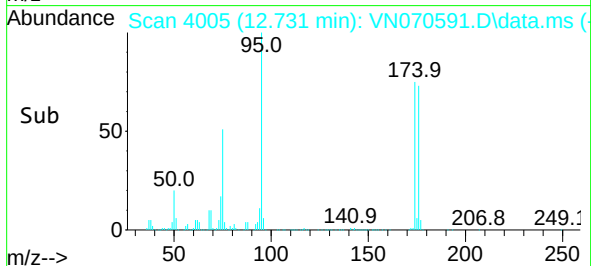
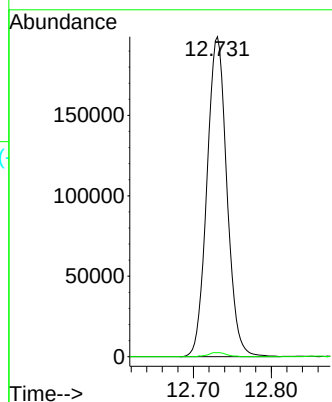
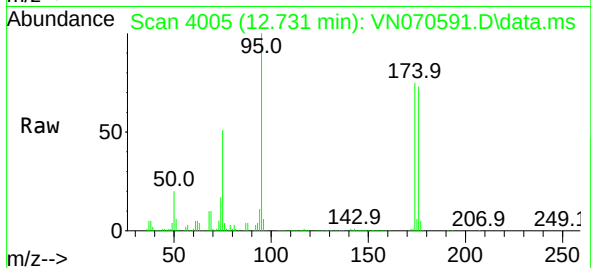




#76
1,2,3-Trichloropropane
Concen: 27.069 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.147 min
Lab File: VN070591.D
Acq: 12 Jan 2022 17:17

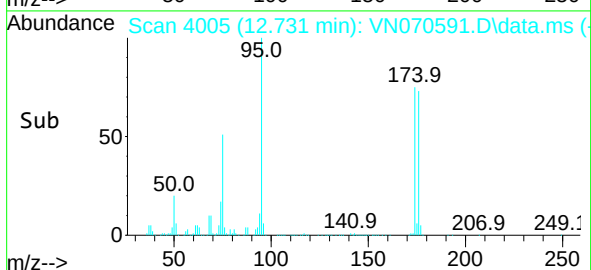
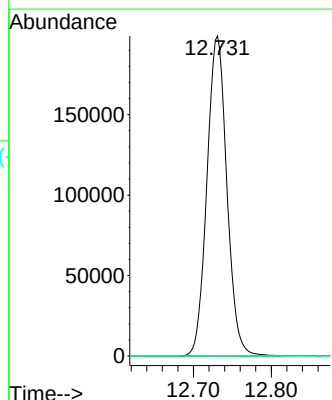
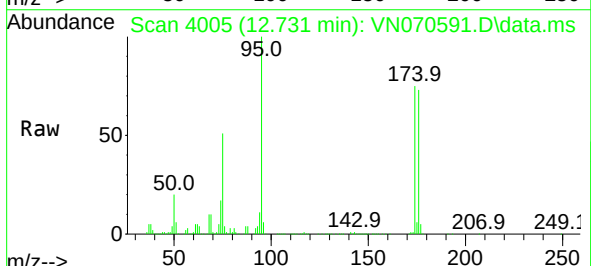
Instrument :
MSVOA_N
ClientSampleId :

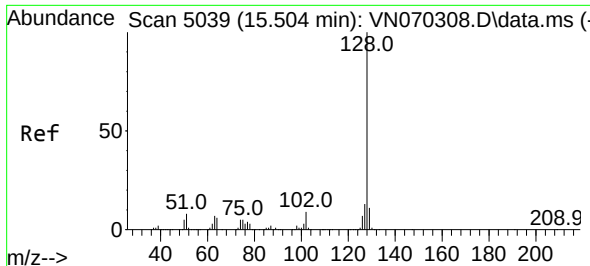
Tgt Ion: 75 Resp: 353886
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.112 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070591.D
Acq: 12 Jan 2022 17:17

Tgt Ion: 75 Resp: 353886
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

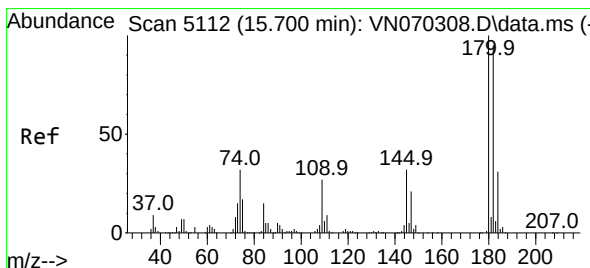
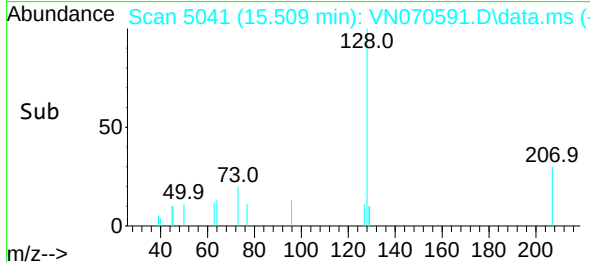
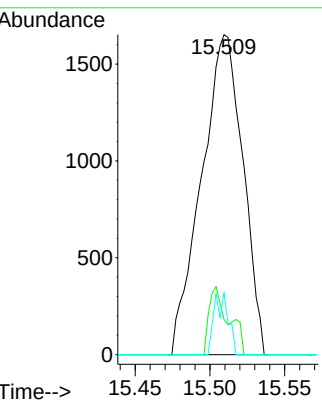
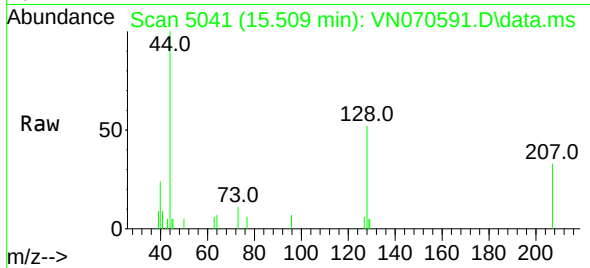




#95
Naphthalene
Concen: 1.942 ug/l
RT: 15.509 min Scan# 5039
Delta R.T. 0.005 min
Lab File: VN070591.D
Acq: 12 Jan 2022 17:17

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 3183
Ion Ratio Lower Upper
128 100
127 7.4 10.5 15.7#
129 6.5 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 0.900 ug/l
RT: 15.697 min Scan# 5111
Delta R.T. -0.003 min
Lab File: VN070591.D
Acq: 12 Jan 2022 17:17

Tgt Ion:180 Resp: 552
Ion Ratio Lower Upper
180 100
182 83.2 47.4 142.2
145 12.0 15.0 45.1#

