

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121321\
 Data File : VN070030.D
 Acq On : 13 Dec 2021 12:26
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 14 05:26:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N121321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Dec 14 00:59:04 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.662	128	155182	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	847703	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.746	117	733819	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	424359	30.857	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 102.867%	
60) 4-Bromofluorobenzene	12.731	95	302331	25.038	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 83.467%	
63) Toluene-d8	10.443	98	1036296	30.559	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 101.867%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.078	85	3653	0.324	ug/l	100
3) Chloromethane	2.309	50	6271	0.486	ug/l	92
12) Methyl Acetate	4.859	43	5324	0.244	ug/l	# 65
14) Acrylonitrile	5.559	53	7687	1.221	ug/l	# 54
15) Acetone	4.296	58	1972	0.863	ug/l	# 60
16) Carbon Disulfide	4.532	76	36060	1.352	ug/l	97
18) Methylene Chloride	5.090	84	2454	0.230	ug/l	86
22) cis-1,2-Dichloroethene	7.327	96	4021	0.361	ug/l	# 37
23) tert-Butyl Alcohol	5.382	59	1069	0.537	ug/l	# 100
29) 1,1-Dichloropropene	8.220	75	3498	0.240	ug/l	71
30) 2-Butanone	7.351	43	15486	1.542	ug/l	# 92
35) Methacrylonitrile	7.640	41	2303	0.248	ug/l	81
36) 1,2-Dichloroethane	8.531	62	3847	0.226	ug/l	# 85
37) Trichloroethene	9.217	130	5136	0.500	ug/l	# 76
40) Dibromomethane	9.574	93	3099	0.408	ug/l	97
42) Vinyl Acetate	6.439	43	7911	0.268	ug/l	# 86
45) 1,4-Dioxane	9.574	88	2411	12.135	ug/l	# 57
46) Methyl methacrylate	9.563	41	5486	0.413	ug/l	71
47) n-amyl Acetate	12.393	43	42241	2.157	ug/l	96
49) cis-1,3-Dichloropropene	10.191	75	3510	0.200	ug/l	# 82
51) Ethyl methacrylate	10.760	69	7349	0.446	ug/l	93
52) 1,3-Dichloropropane	11.044	76	5124	0.281	ug/l	84
53) Dibromochloromethane	11.234	129	3217	0.278	ug/l	97
54) 1,2-Dibromoethane	11.347	107	3682	0.350	ug/l	# 79
55) 2-Chloroethyl vinyl ether	10.041	63	6465	2.000	ug/l	# 72
56) Bromoform	12.460	173	5059	0.573	ug/l	# 100
58) 4-Methyl-2-Pentanone	10.333	43	36724	2.180	ug/l	# 91
59) 2-Hexanone	11.089	43	81492	6.545	ug/l	91
61) Tetrachloroethene	10.977	164	5375	0.627	ug/l	# 80
62) Toluene	10.507	91	13553	0.314	ug/l	# 61
64) Chlorobenzene	11.768	112	15596	0.609	ug/l	99
66) Ethyl Benzene	11.846	91	21234	0.443	ug/l	98
67) m/p-Xylenes	11.956	106	16689	0.952	ug/l	99
68) o-Xylene	12.280	106	5968	0.344	ug/l	93
69) Styrene	12.299	104	17119	0.606	ug/l	# 75
70) Isopropylbenzene	12.578	105	17102	0.376	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.827	83	11493	0.770	ug/l	# 95
72) 1,2,3-Trichloropropane	12.876	75	7093	0.511	ug/l	10
73) Bromobenzene	12.862	156	9746	0.923	ug/l	89

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

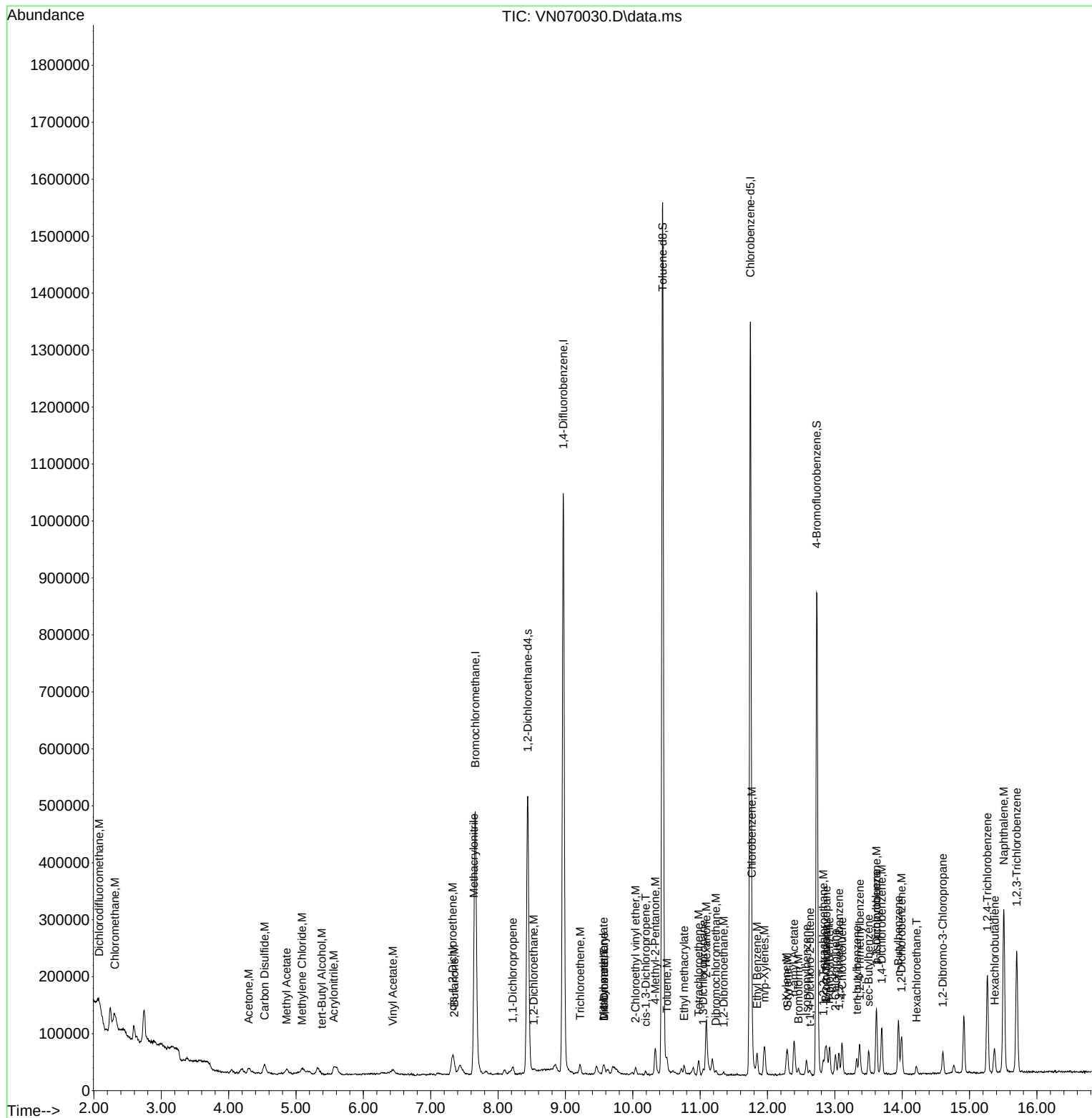
74) n-propylbenzene	12.919	91	37508	0.711	ug/l	99
75) 2-Chlorotoluene	13.007	91	18730	0.580	ug/l	98
76) 1,3,5-Trimethylbenzene	13.063	105	18227	0.488	ug/l	93
77) t-1,4-Dichloro-2-butene	12.632	75	894	0.205	ug/l	84
78) 4-Chlorotoluene	13.109	91	33294	1.076	ug/l	96
79) tert-butylbenzene	13.326	119	12319	0.380	ug/l	94
80) 1,2,4-Trimethylbenzene	13.369	105	25712	0.711	ug/l #	82
81) sec-Butylbenzene	13.501	105	24722	0.546	ug/l	89
82) p-Isopropyltoluene	13.616	119	28385	0.787	ug/l	98
83) 1,3-Dichlorobenzene	13.619	146	28730	1.609	ug/l	95
84) 1,4-Dichlorobenzene	13.696	146	31025	1.806	ug/l	95
85) n-Butylbenzene	13.943	91	54381	1.805	ug/l	99
86) Hexachloroethane	14.211	117	2525	0.351	ug/l	87
87) 1,2-Dichlorobenzene	13.991	146	28762	1.676	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.603	75	10741	3.762	ug/l	90
89) 1,2,4-Trichlorobenzene	15.265	180	55450	6.946	ug/l	98
90) Hexachlorobutadiene	15.373	225	8925	1.879	ug/l	85
91) Naphthalene	15.507	128	266893	17.072	ug/l	99
92) 1,2,3-Trichlorobenzene	15.700	180	75317	9.986	ug/l	99

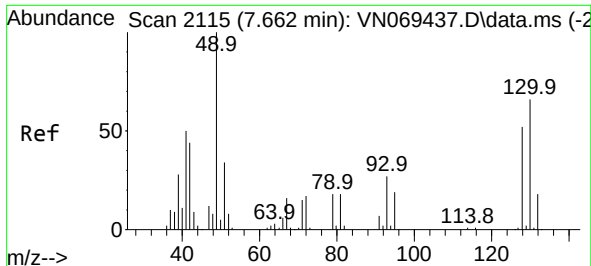
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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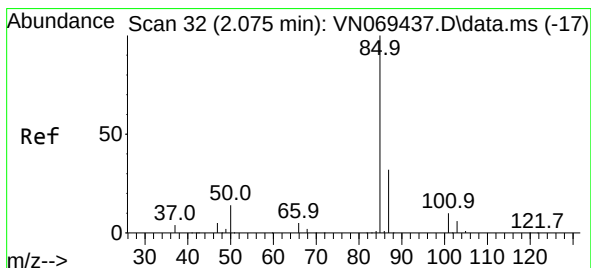
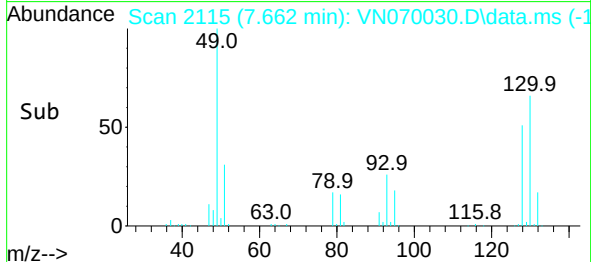
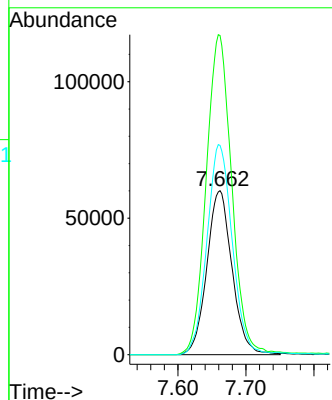
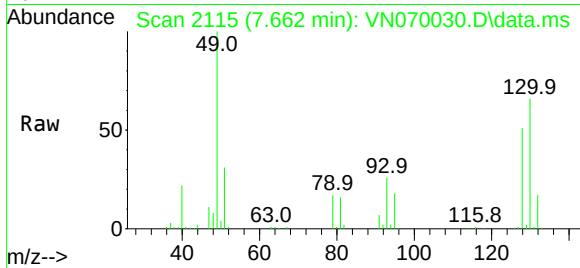




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.662 min Scan# 21
Delta R.T. 0.005 min
Lab File: VN070030.D
Acq: 13 Dec 2021 12:26

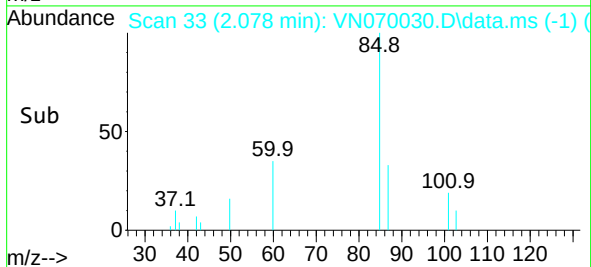
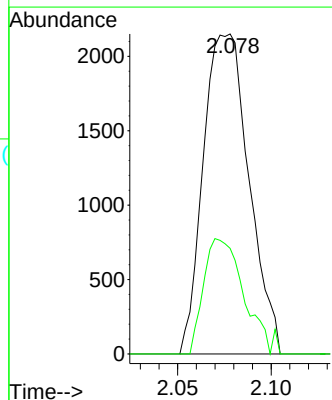
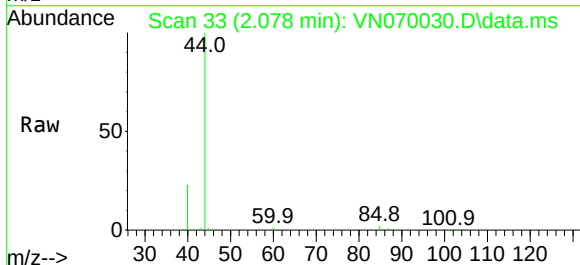
Instrument :
MSVOA_N
ClientSampleId :

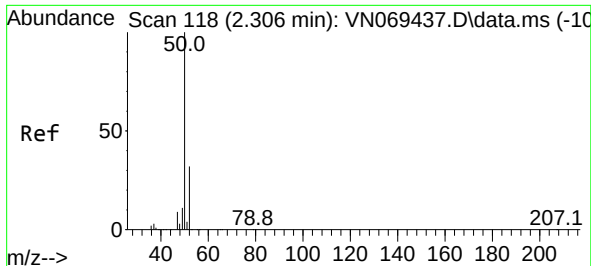
Tgt Ion:128 Resp: 155182
Ion Ratio Lower Upper
128 100
49 195.9 0.0 392.3
130 128.3 0.0 320.2



#2
Dichlorodifluoromethane
Concen: 0.324 ug/l
RT: 2.078 min Scan# 33
Delta R.T. 0.005 min
Lab File: VN070030.D
Acq: 13 Dec 2021 12:26

Tgt Ion: 85 Resp: 3653
Ion Ratio Lower Upper
85 100
87 33.0 16.6 49.7

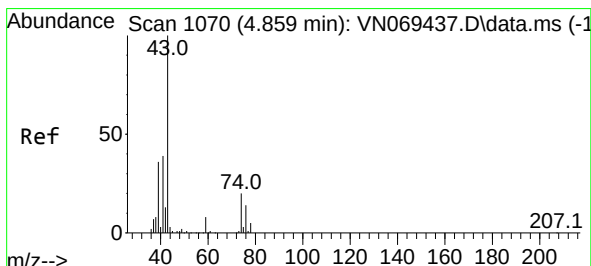
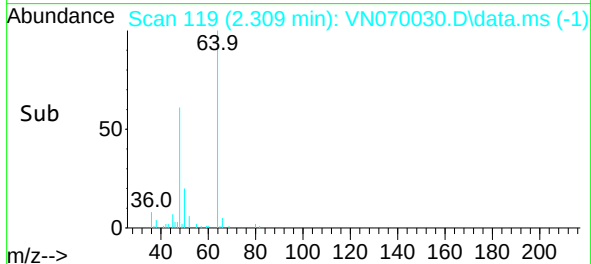
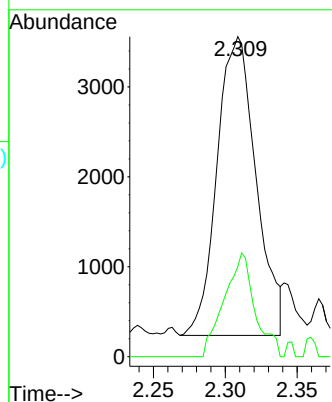
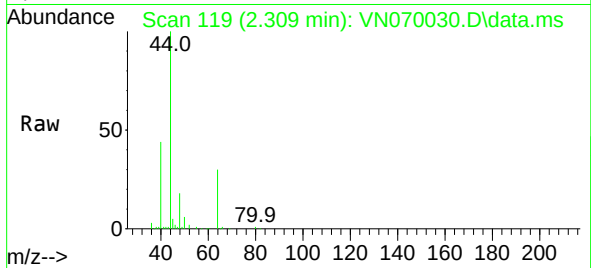




#3
Chloromethane
Concen: 0.486 ug/l
RT: 2.309 min Scan# 118
Delta R.T. 0.005 min
Lab File: VN070030.D
Acq: 13 Dec 2021 12:26

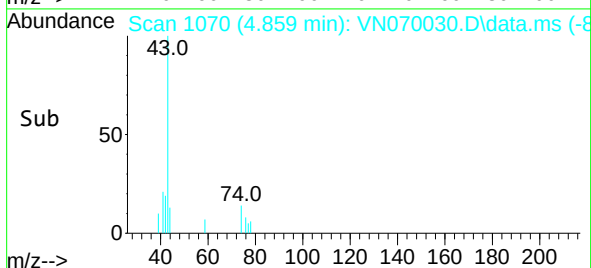
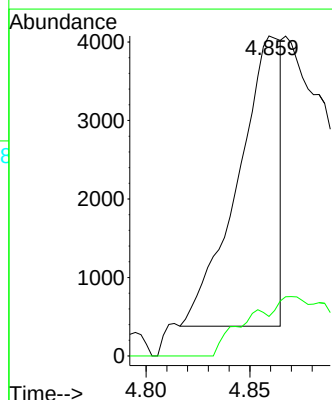
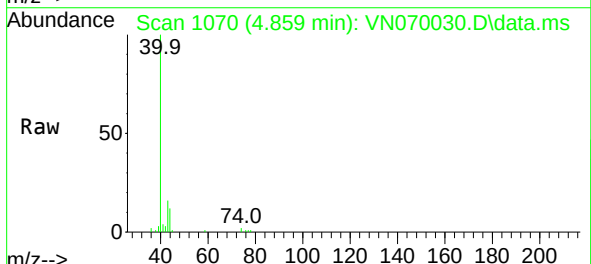
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MSVOA_N
ClientSampleId :

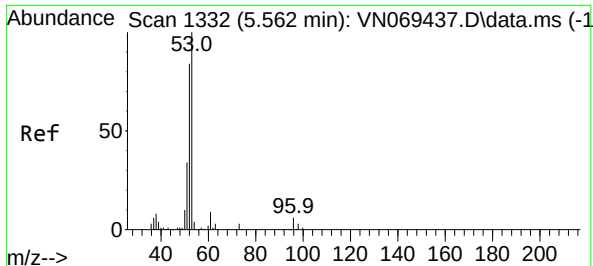
Tgt Ion: 50 Resp: 6271
Ion Ratio Lower Upper
50 100
52 30.2 27.8 41.6



#12
Methyl Acetate
Concen: 0.244 ug/l
RT: 4.859 min Scan# 1070
Delta R.T. 0.003 min
Lab File: VN070030.D
Acq: 13 Dec 2021 12:26

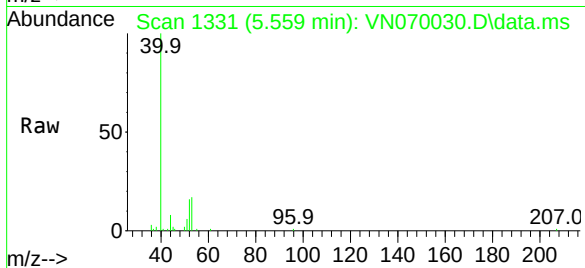
Tgt Ion: 43 Resp: 5324
Ion Ratio Lower Upper
43 100
74 8.2 20.8 31.2#



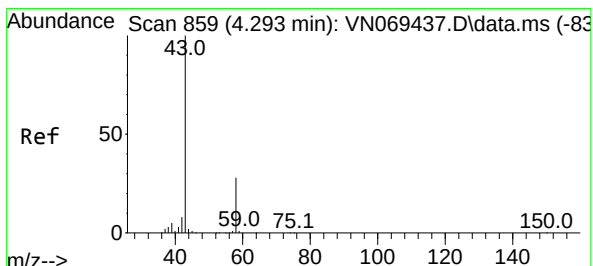
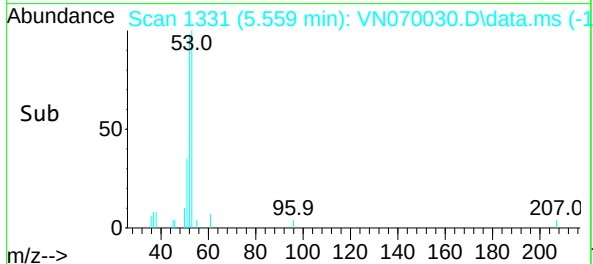
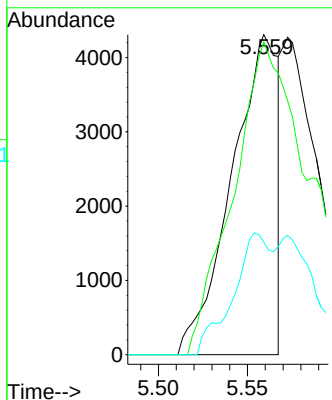


#14
Acrylonitrile
Concen: 1.221 ug/l
RT: 5.559 min Scan# 11
Delta R.T. 0.003 min
Lab File: VN070030.D
Acq: 13 Dec 2021 12:26

Instrument :
MSVOA_N
ClientSampleId :

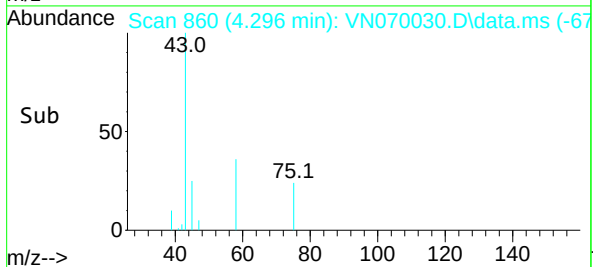
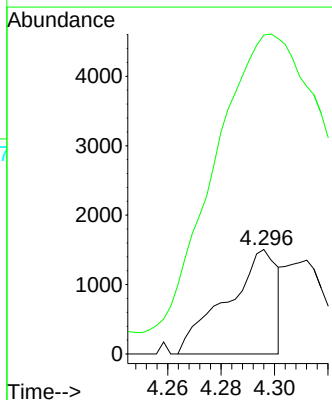
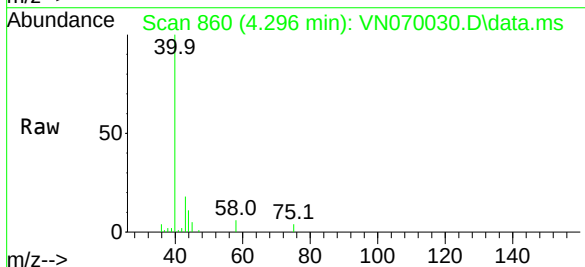


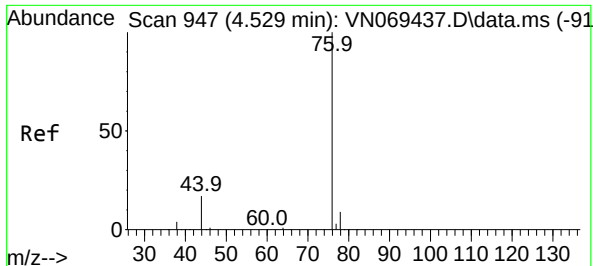
Tgt Ion: 53 Resp: 7687
Ion Ratio Lower Upper
53 100
52 131.7 41.8 125.4#
51 19.3 19.0 57.0



#15
Acetone
Concen: 0.863 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.011 min
Lab File: VN070030.D
Acq: 13 Dec 2021 12:26

Tgt Ion: 58 Resp: 1972
Ion Ratio Lower Upper
58 100
43 239.3 256.6 384.8#

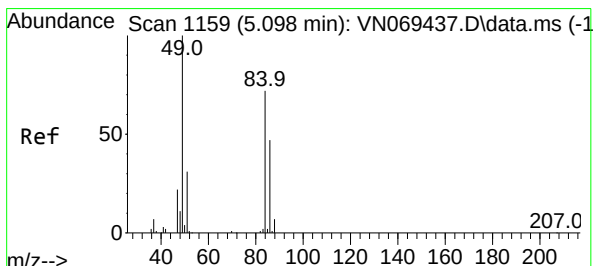
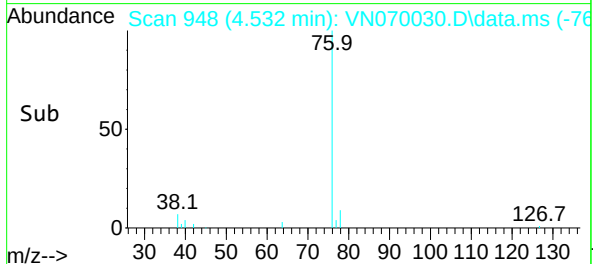
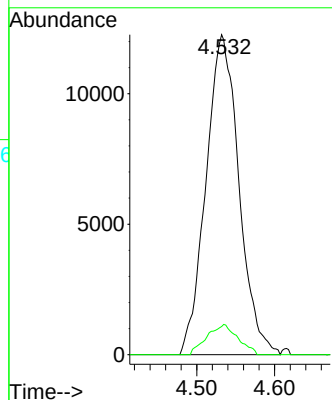
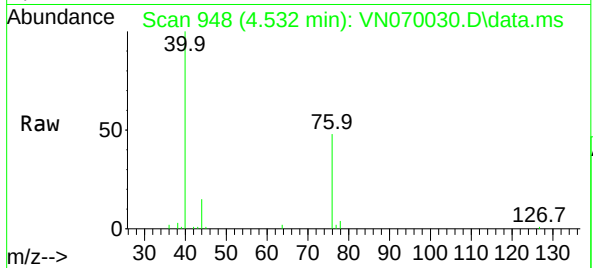




#16
Carbon Disulfide
Concen: 1.352 ug/l
RT: 4.532 min Scan# 947
Delta R.T. 0.003 min
Lab File: VN070030.D
Acq: 13 Dec 2021 12:26

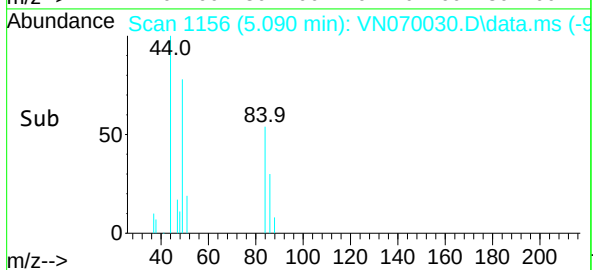
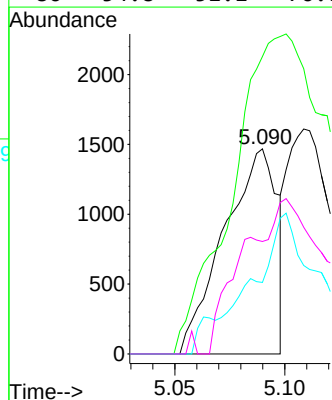
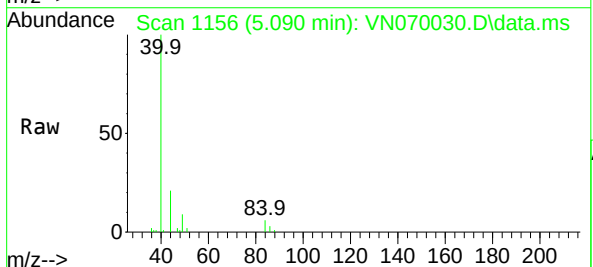
Instrument :
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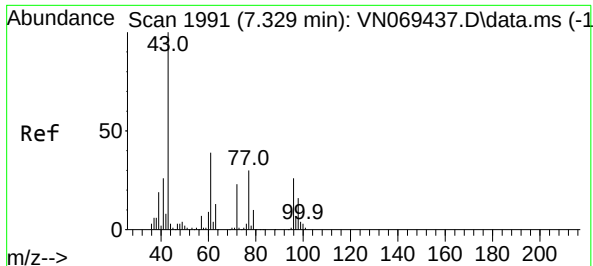
Tgt Ion: 76 Resp: 36060
Ion Ratio Lower Upper
76 100
78 8.8 7.8 11.8



#18
Methylene Chloride
Concen: 0.230 ug/l
RT: 5.090 min Scan# 1156
Delta R.T. -0.008 min
Lab File: VN070030.D
Acq: 13 Dec 2021 12:26

Tgt Ion: 84 Resp: 2454
Ion Ratio Lower Upper
84 100
49 133.7 91.4 137.0
51 34.9 29.4 44.0
86 54.8 51.1 76.7





#22

cis-1,2-Dichloroethene

Concen: 0.361 ug/l

RT: 7.327 min Scan# 1991

Delta R.T. -0.000 min

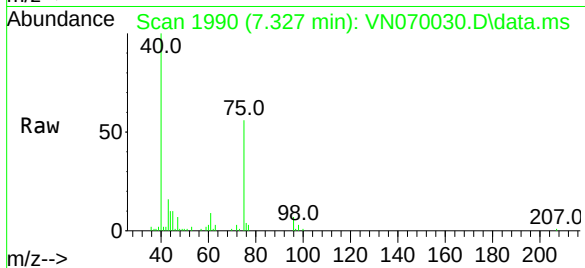
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Acq: 13 Dec 2021 12:26

Instrument :

MSVOA_N

ClientSampleId :



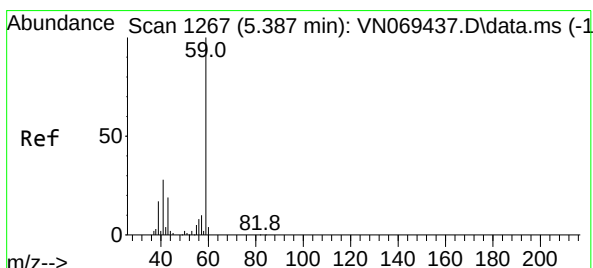
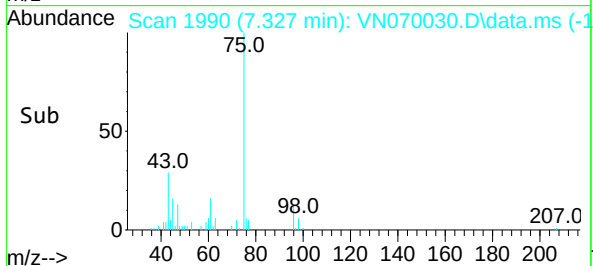
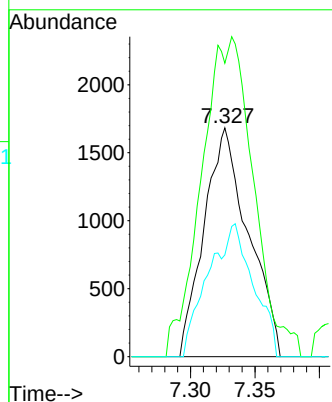
Tgt Ion: 96 Resp: 4021

Ion Ratio Lower Upper

96 100

61 61.0 115.7 173.5#

98 22.6 51.6 77.4#



#23

tert-Butyl Alcohol

Concen: 0.537 ug/l

RT: 5.382 min Scan# 1265

Delta R.T. 0.008 min

Lab File: VN070030.D

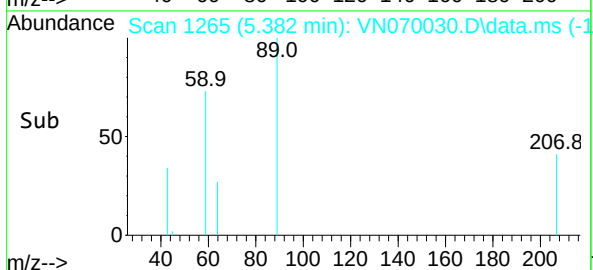
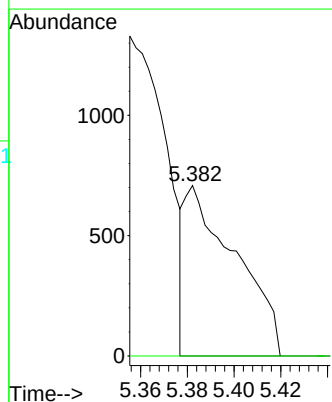
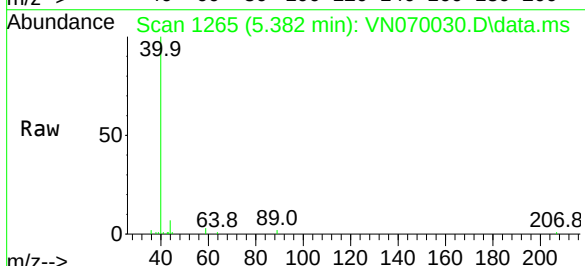
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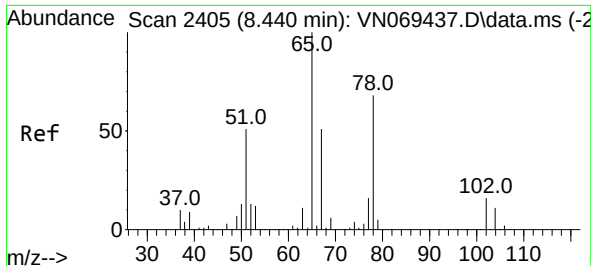
Tgt Ion: 59 Resp: 1069

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0





#27

1,2-Dichloroethane-d4

Concen: 30.857 ug/l

RT: 8.440 min Scan# 24

Delta R.T. -0.000 min

Lab File: VN070030.D

Acq: 13 Dec 2021 12:26

Instrument :

MSVOA_N

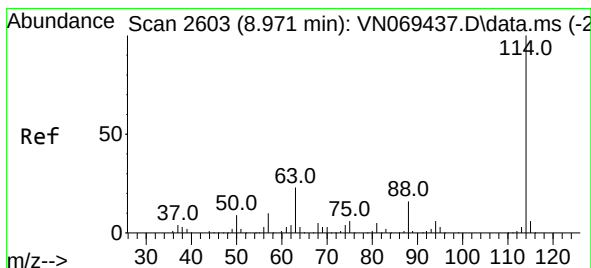
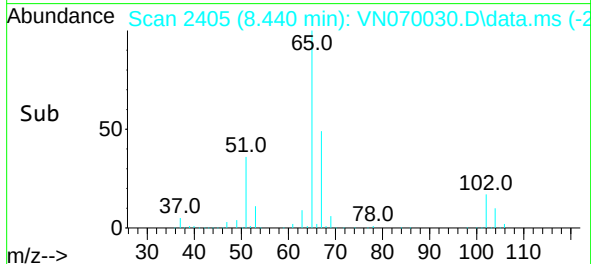
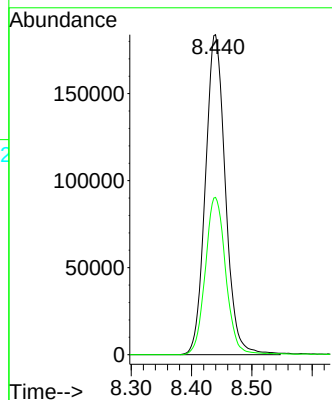
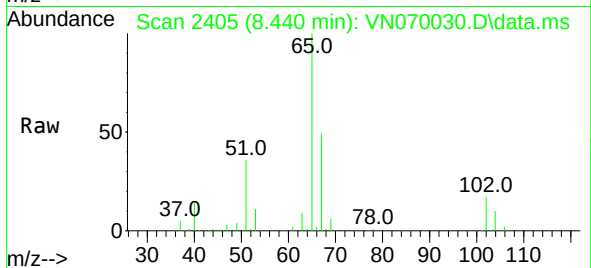
ClientSampleId :

Tgt Ion: 65 Resp: 424359

Ion Ratio Lower Upper

65 100

67 50.0 40.2 60.2



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. -0.000 min

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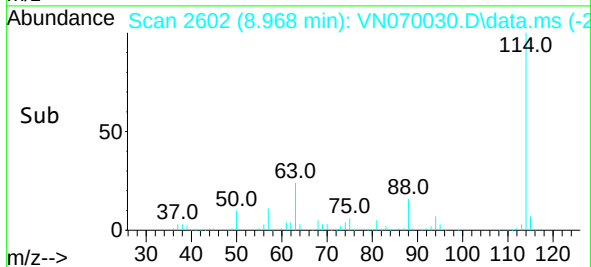
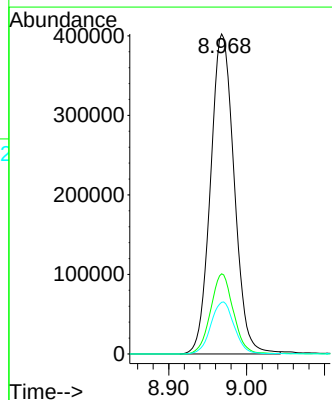
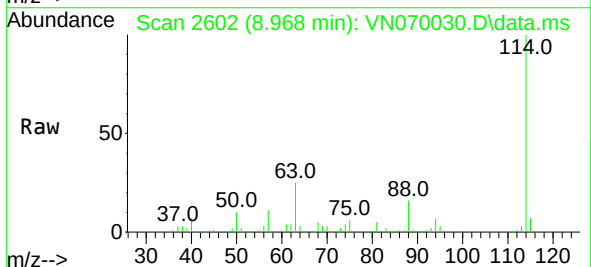
Tgt Ion: 114 Resp: 847703

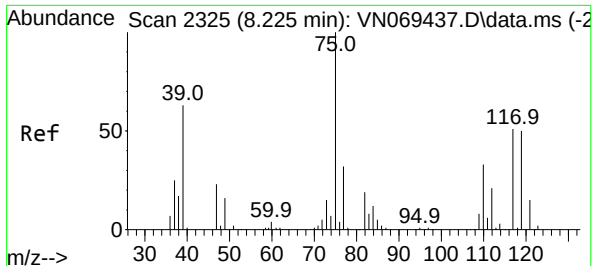
Ion Ratio Lower Upper

114 100

63 24.2 15.8 23.6

88 16.0 11.6 17.4





#29

1,1-Dichloropropene

Concen: 0.240 ug/l

RT: 8.220 min Scan# 21

Delta R.T. -0.003 min

Lab File: VN070030.D

Acq: 13 Dec 2021 12:26

Instrument :

MSVOA_N

ClientSampleId :

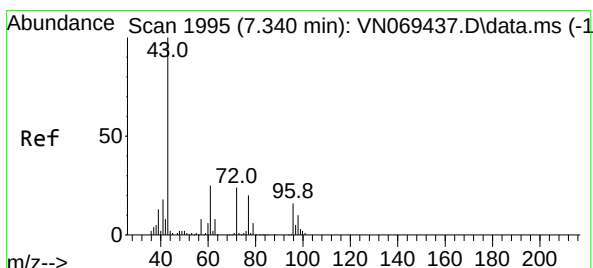
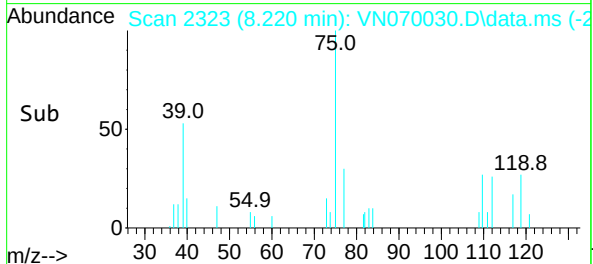
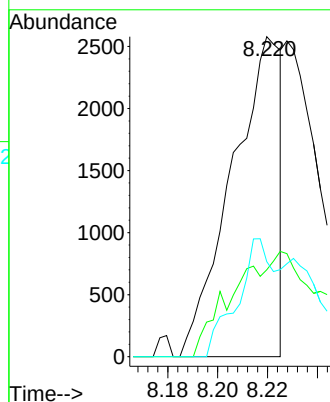
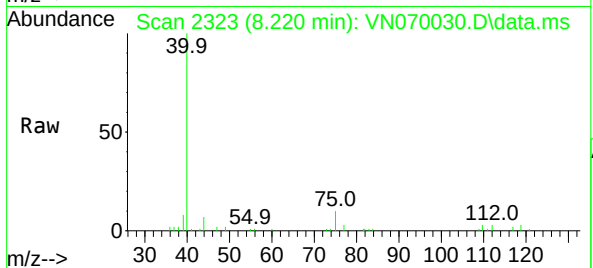
Tgt Ion: 75 Resp: 3498

Ion Ratio Lower Upper

75 100

110 9.7 0.0 74.2

77 26.0 0.0 63.2



#30

2-Butanone

Concen: 1.542 ug/l

RT: 7.351 min Scan# 1999

Delta R.T. 0.016 min

Lab File: VN070030.D

Acq: 13 Dec 2021 12:26

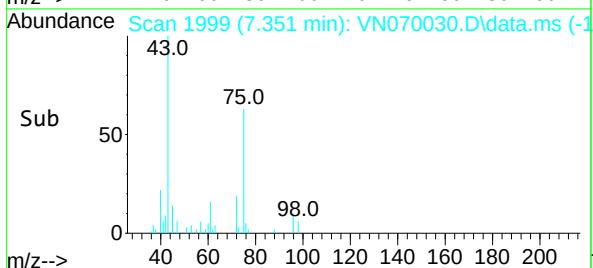
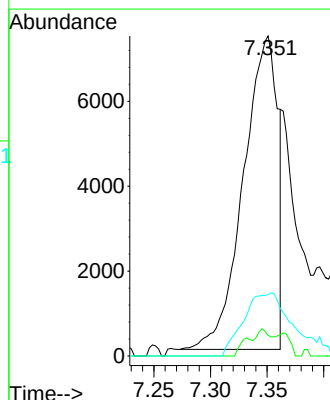
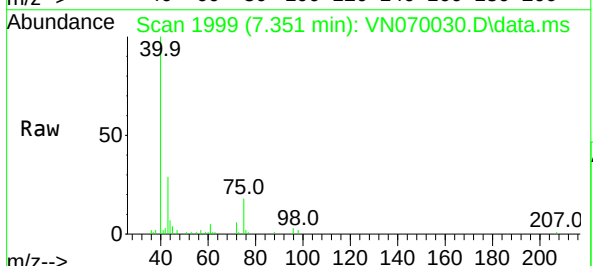
Tgt Ion: 43 Resp: 15486

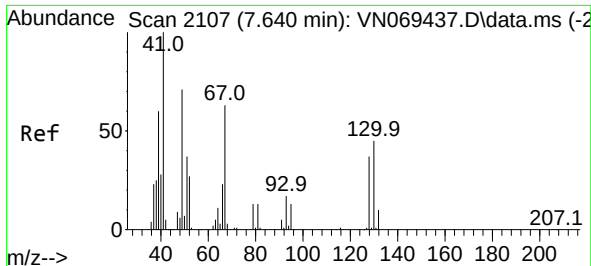
Ion Ratio Lower Upper

43 100

57 1.7 6.7 10.1#

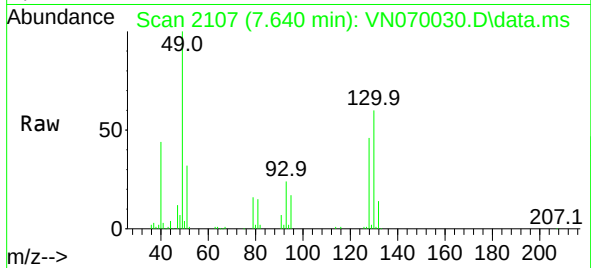
72 26.7 23.2 34.8



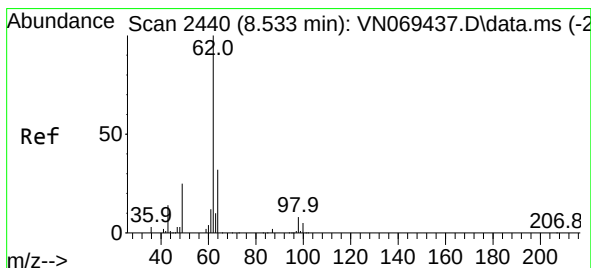
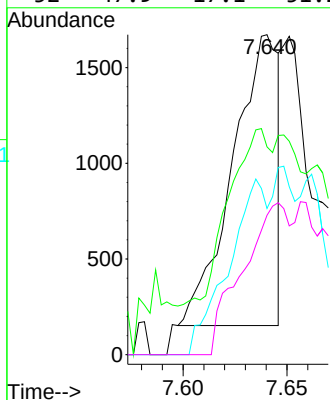
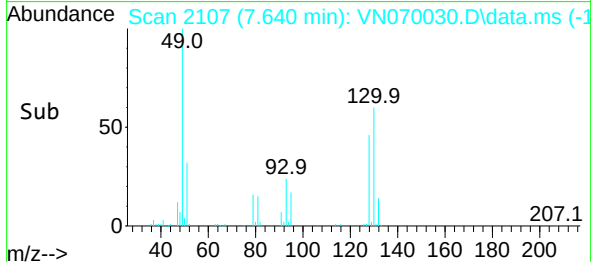


#35
Methacrylonitrile
Concen: 0.248 ug/l
RT: 7.640 min Scan# 2107
Delta R.T. 0.003 min
Lab File: VN070030.D
Acq: 13 Dec 2021 12:26

Instrument :
MSVOA_N
ClientSampleId :

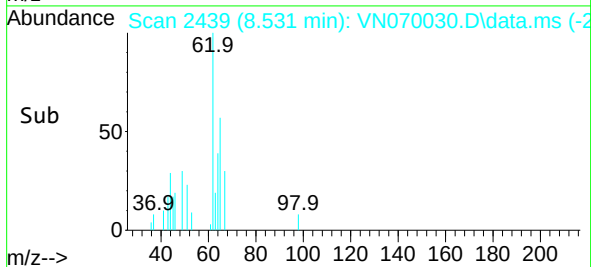
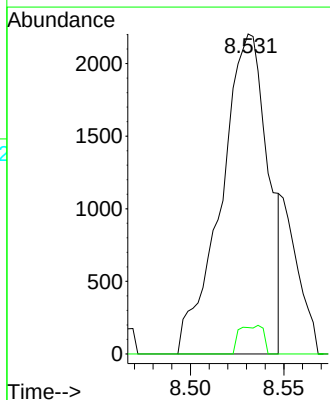
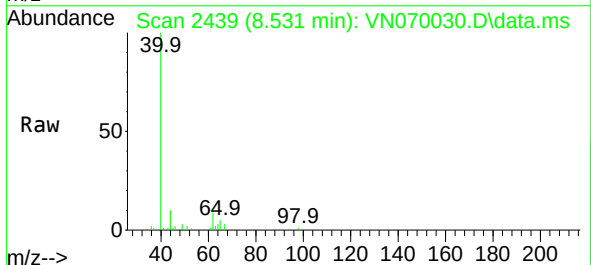


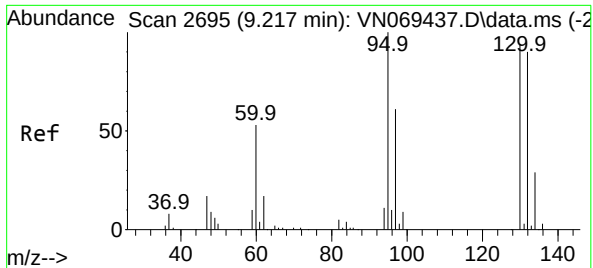
Tgt Ion: 41	Resp: 2303
Ion Ratio	Lower Upper
41 100	
39 54.7	28.0 83.9
67 50.3	37.7 113.1
52 47.9	17.1 51.2



#36
1,2-Dichloroethane
Concen: 0.226 ug/l
RT: 8.531 min Scan# 2439
Delta R.T. -0.000 min
Lab File: VN070030.D
Acq: 13 Dec 2021 12:26

Tgt Ion: 62	Resp: 3847
Ion Ratio	Lower Upper
62 100	
98 3.0	6.6 10.0#





#37

Trichloroethene

Concen: 0.500 ug/l

RT: 9.217 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN070030.D

Acq: 13 Dec 2021 12:26

Instrument :

MSVOA_N

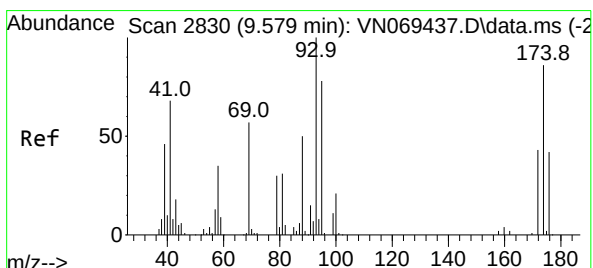
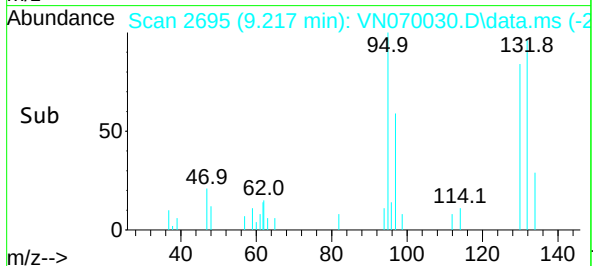
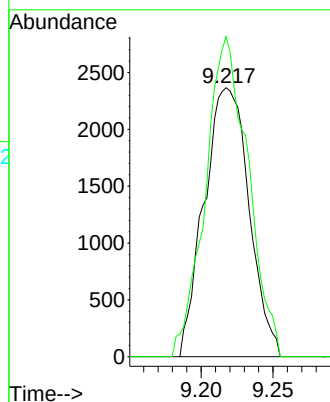
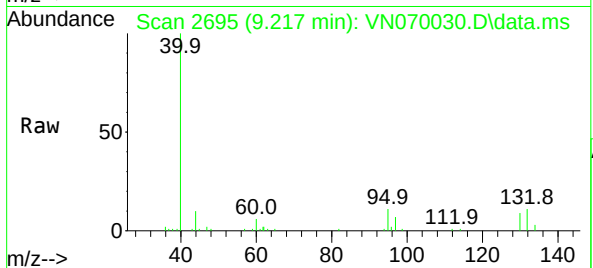
ClientSampleId :

Tgt Ion:130 Resp: 5136

Ion Ratio Lower Upper

130 100

95 119.0 76.6 115.0#



#40

Dibromomethane

Concen: 0.408 ug/l

RT: 9.574 min Scan# 2828

Delta R.T. -0.003 min

Lab File: VN070030.D

Acq: 13 Dec 2021 12:26

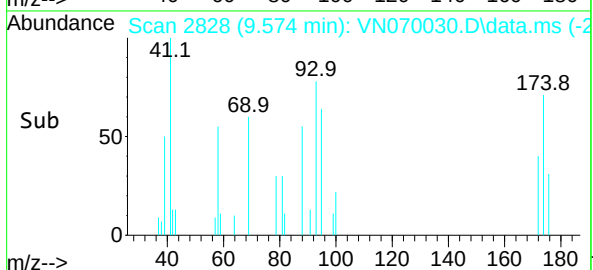
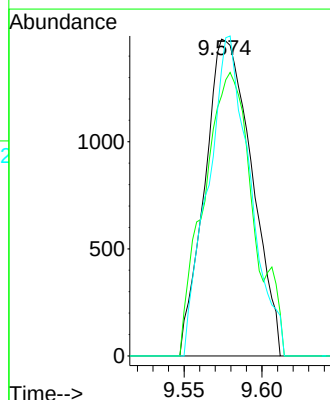
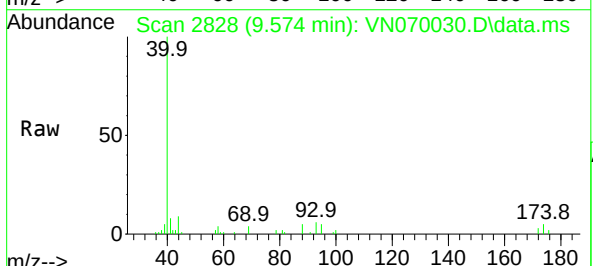
Tgt Ion: 93 Resp: 3099

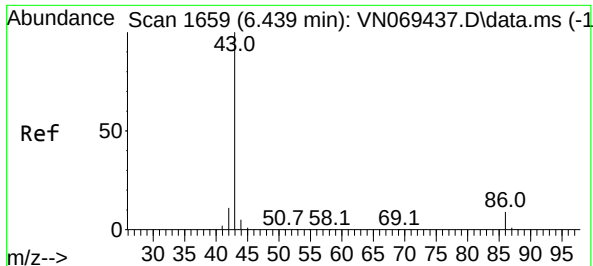
Ion Ratio Lower Upper

93 100

95 86.8 0.0 168.8

174 90.1 0.0 173.6

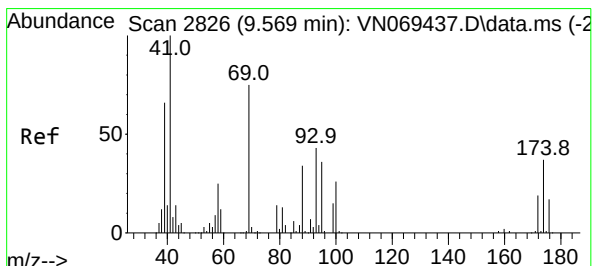
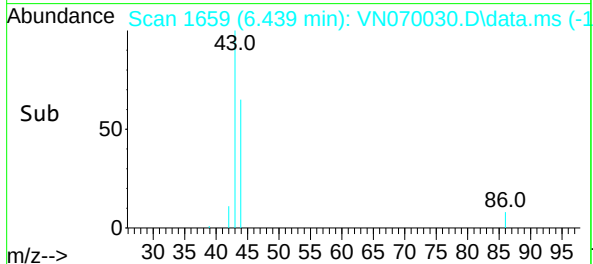
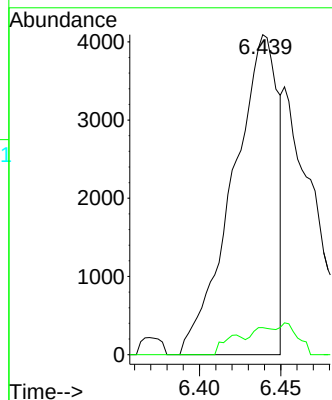
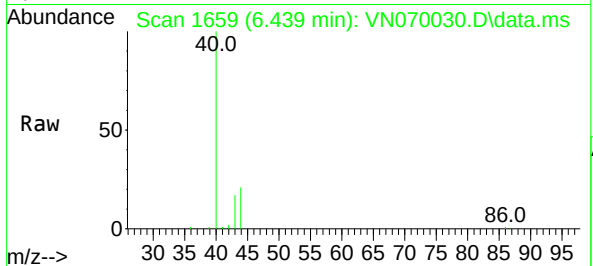




#42
 Vinyl Acetate
 Concen: 0.268 ug/l
 RT: 6.439 min Scan# 1
 Delta R.T. 0.005 min
 Lab File: VN070030.D
 Acq: 13 Dec 2021 12:26

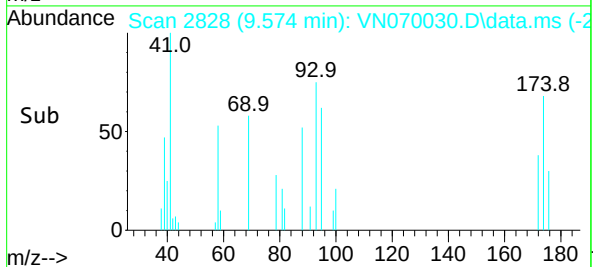
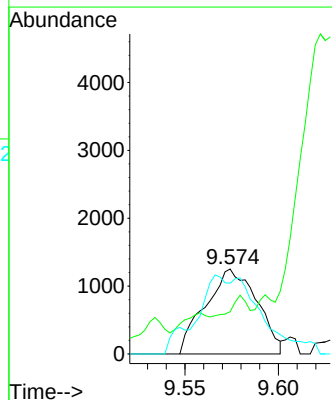
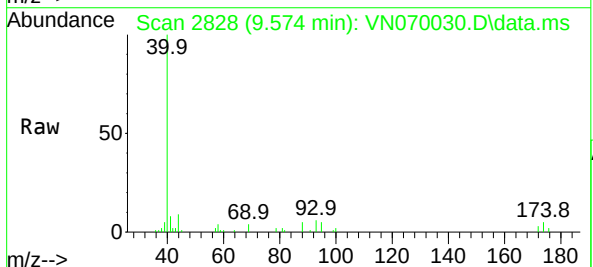
Instrument :
 MSVOA_N
 ClientSampleId :

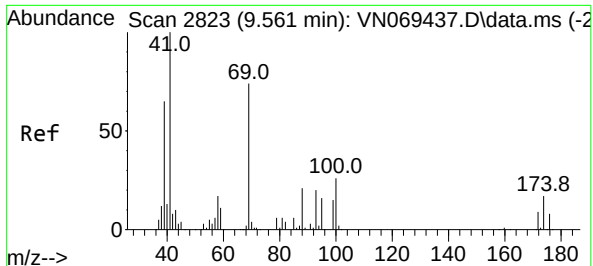
Tgt Ion: 43 Resp: 7911
 Ion Ratio Lower Upper
 43 100
 86 4.5 7.5 11.3#



#45
 1,4-Dioxane
 Concen: 12.135 ug/l
 RT: 9.574 min Scan# 2828
 Delta R.T. 0.005 min
 Lab File: VN070030.D
 Acq: 13 Dec 2021 12:26

Tgt Ion: 88 Resp: 2411
 Ion Ratio Lower Upper
 88 100
 43 4.9 25.0 37.6#
 58 30.7 49.4 74.2#

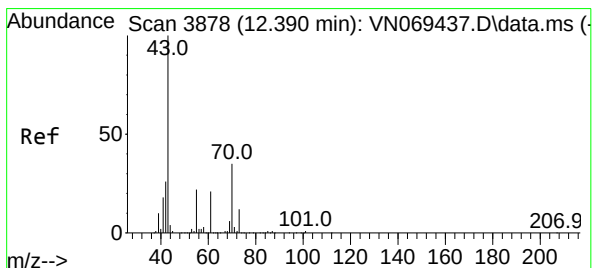
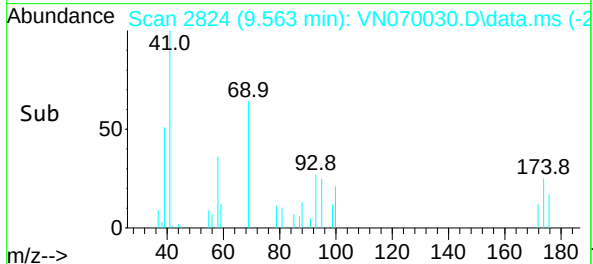
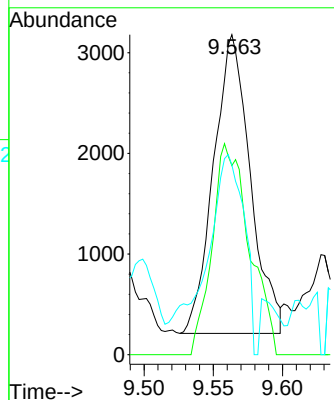
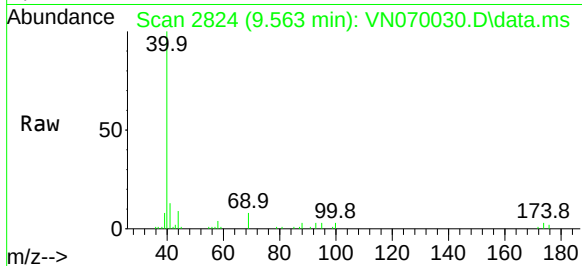




#46
Methyl methacrylate
Concen: 0.413 ug/l
RT: 9.563 min Scan# 21
Delta R.T. 0.003 min
Lab File: VN070030.D
Acq: 13 Dec 2021 12:26

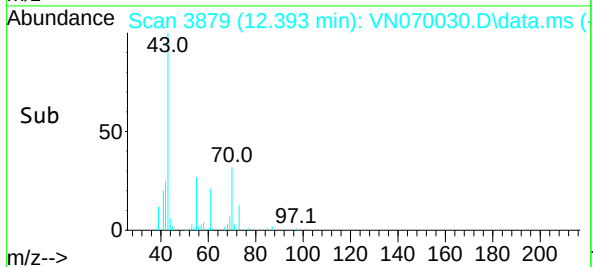
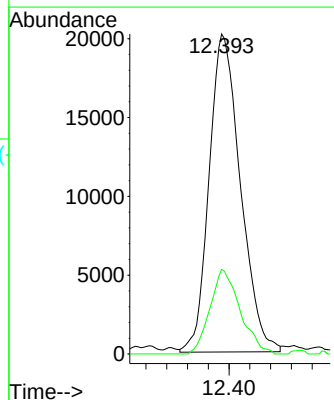
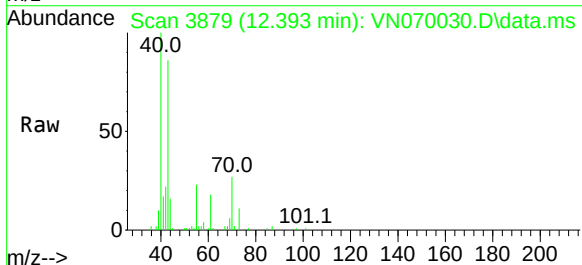
Instrument :
MSVOA_N
ClientSampleId :

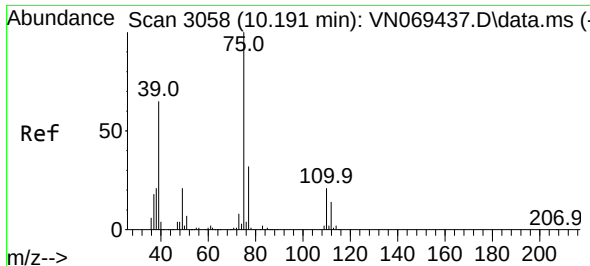
Tgt Ion: 41 Resp: 5486
Ion Ratio Lower Upper
41 100
69 63.3 44.4 133.2
39 51.7 39.9 119.6



#47
n-amy1 Acetate
Concen: 2.157 ug/l
RT: 12.393 min Scan# 3879
Delta R.T. 0.005 min
Lab File: VN070030.D
Acq: 13 Dec 2021 12:26

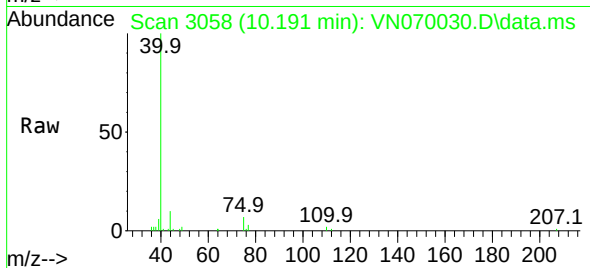
Tgt Ion: 43 Resp: 42241
Ion Ratio Lower Upper
43 100
55 25.6 19.0 28.6



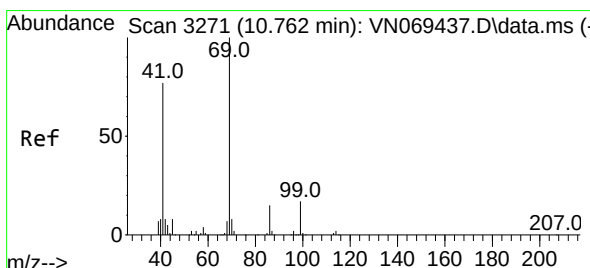
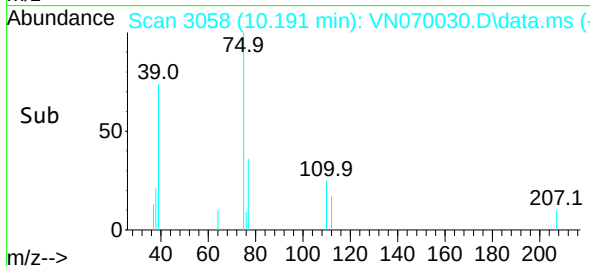
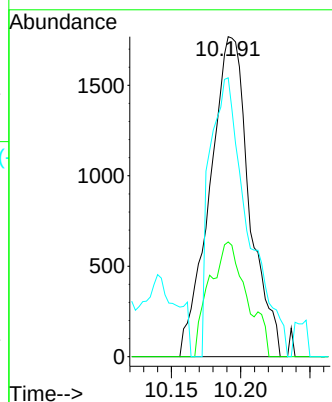


#49
 cis-1,3-Dichloropropene
 Concen: 0.200 ug/l
 RT: 10.191 min Scan# 3058
 Delta R.T. 0.003 min
 Lab File: VN070030.D
 Acq: 13 Dec 2021 12:26

Instrument :
 MSVOA_N
 ClientSampleId :

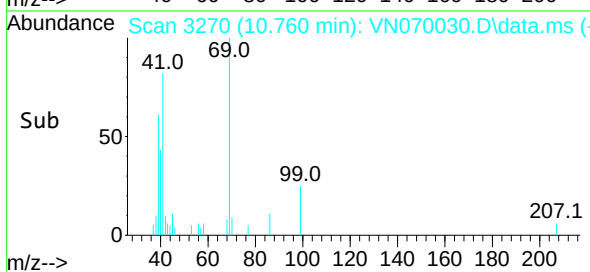
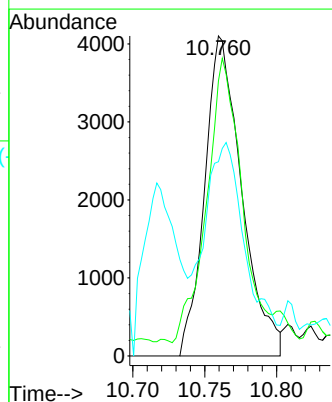
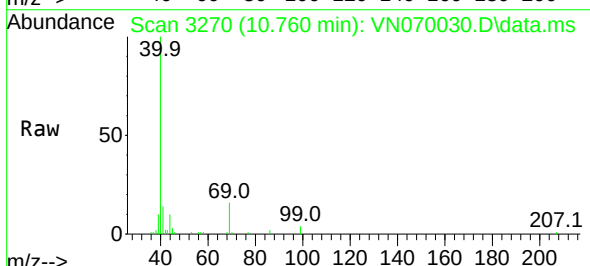


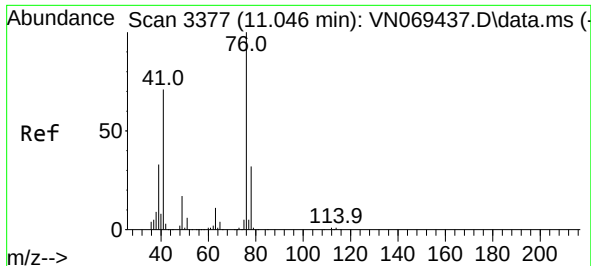
Tgt Ion: 75 Resp: 3510
 Ion Ratio Lower Upper
 75 100
 77 35.8 25.3 37.9
 39 75.4 46.2 69.4#



#51
 Ethyl methacrylate
 Concen: 0.446 ug/l
 RT: 10.760 min Scan# 3270
 Delta R.T. -0.000 min
 Lab File: VN070030.D
 Acq: 13 Dec 2021 12:26

Tgt Ion: 69 Resp: 7349
 Ion Ratio Lower Upper
 69 100
 41 75.6 33.0 98.9
 39 51.2 25.4 76.4





#52

1,3-Dichloropropane

Concen: 0.281 ug/l

RT: 11.044 min Scan# 31

Delta R.T. -0.000 min

Lab File: VN070030.D

Acq: 13 Dec 2021 12:26

Instrument :

MSVOA_N

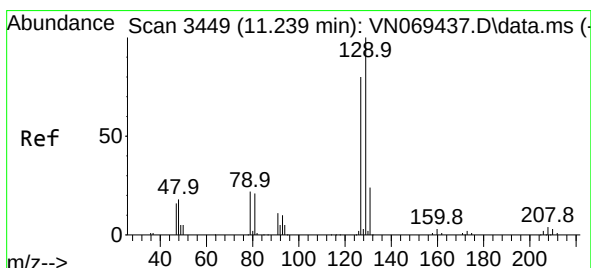
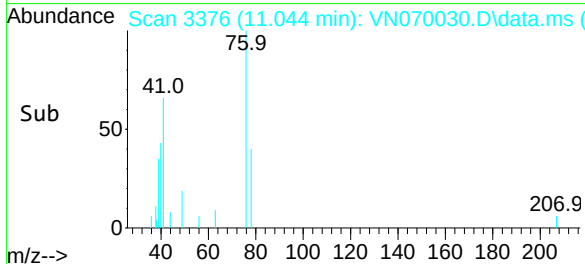
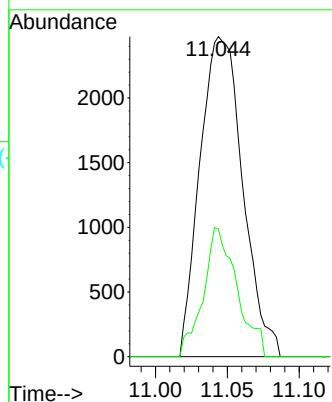
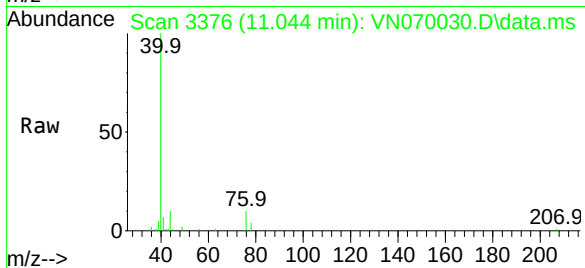
ClientSampleId :

Tgt Ion: 76 Resp: 5124

Ion Ratio Lower Upper

76 100

78 23.7 0.0 65.4



#53

Dibromochloromethane

Concen: 0.278 ug/l

RT: 11.234 min Scan# 3447

Delta R.T. -0.005 min

Lab File: VN070030.D

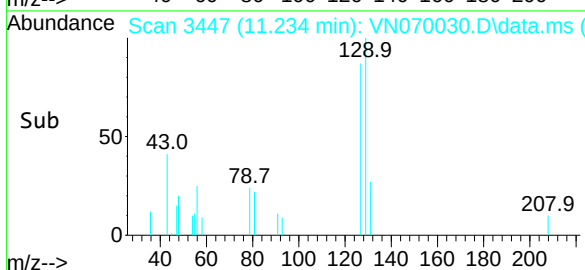
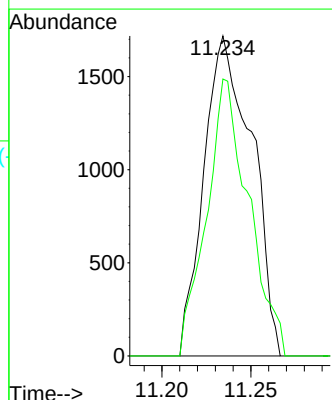
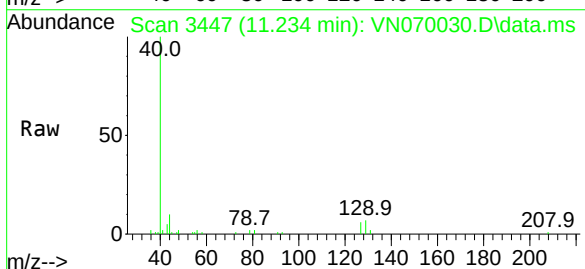
Acq: 13 Dec 2021 12:26

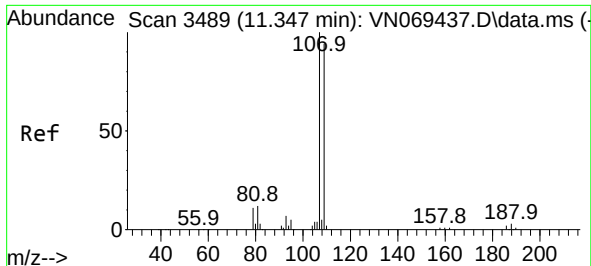
Tgt Ion: 129 Resp: 3217

Ion Ratio Lower Upper

129 100

127 75.8 39.0 117.0

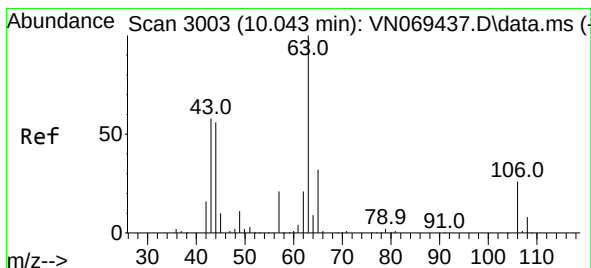
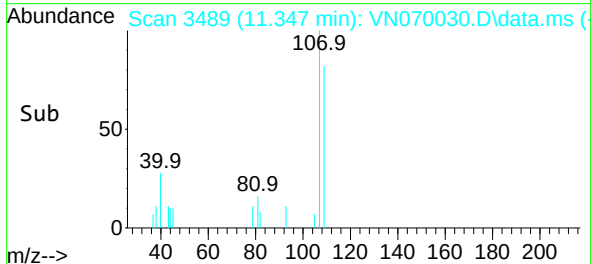
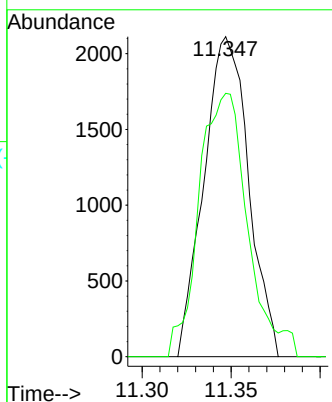
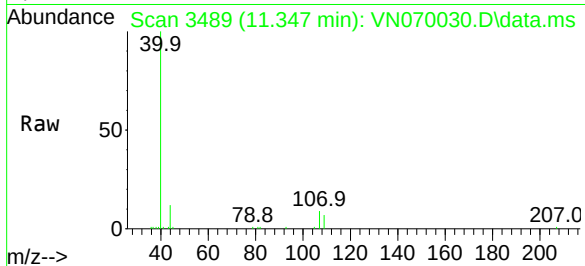




#54
1,2-Dibromoethane
Concen: 0.350 ug/l
RT: 11.347 min Scan# 3489
Delta R.T. 0.003 min
Lab File: VN070030.D
Acq: 13 Dec 2021 12:26

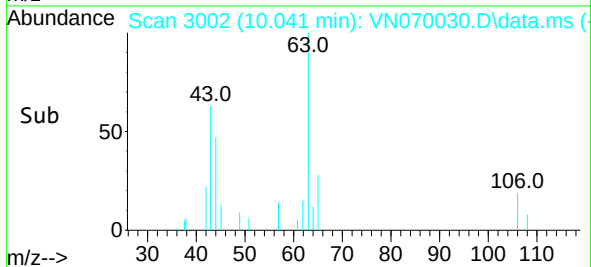
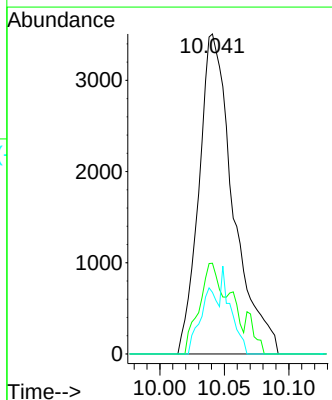
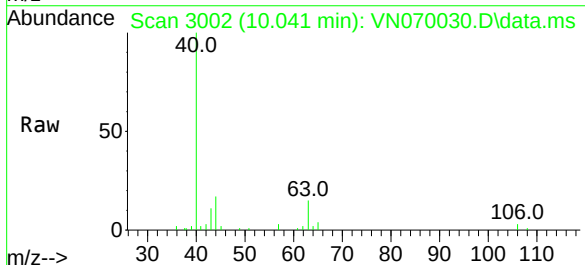
Instrument :
MSVOA_N
ClientSampleId :

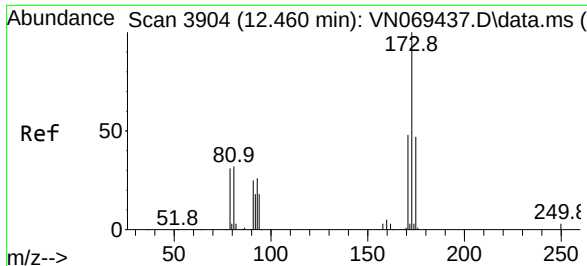
Tgt Ion:107 Resp: 3682
Ion Ratio Lower Upper
107 100
109 71.3 72.8 109.2#



#55
2-Chloroethyl vinyl ether
Concen: 2.000 ug/l
RT: 10.041 min Scan# 3002
Delta R.T. -0.000 min
Lab File: VN070030.D
Acq: 13 Dec 2021 12:26

Tgt Ion: 63 Resp: 6465
Ion Ratio Lower Upper
63 100
65 19.1 25.4 38.0#
106 10.8 23.2 34.8#

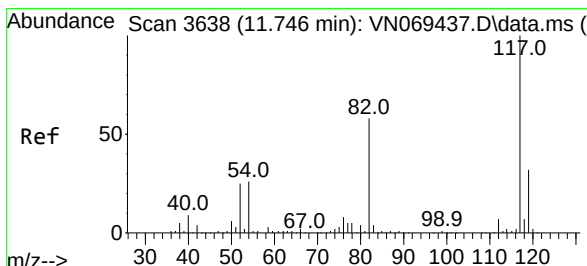
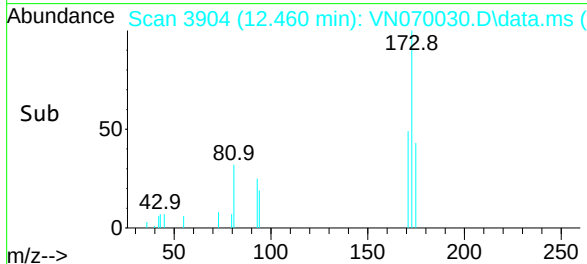
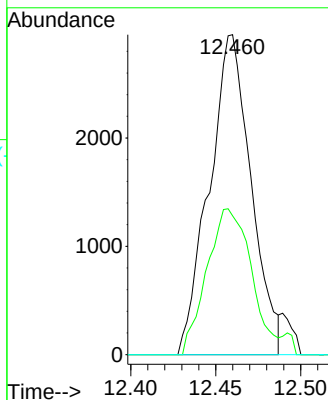
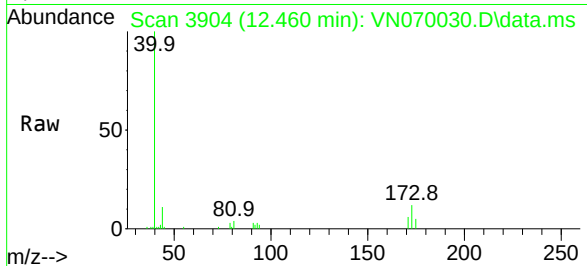




#56
Bromoform
Concen: 0.573 ug/l
RT: 12.460 min Scan# 3904
Delta R.T. 0.003 min
Lab File: VN070030.D
Acq: 13 Dec 2021 12:26

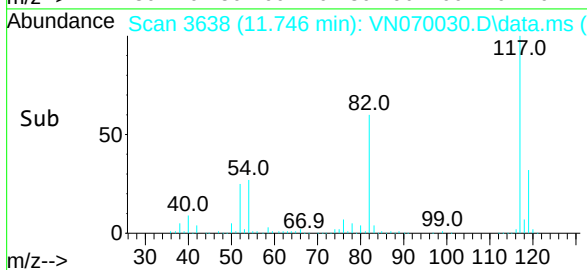
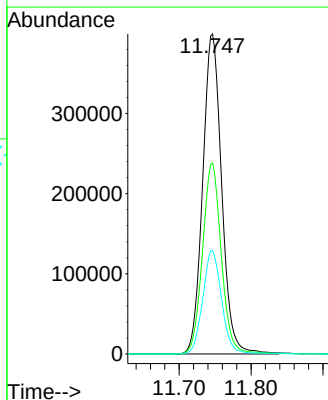
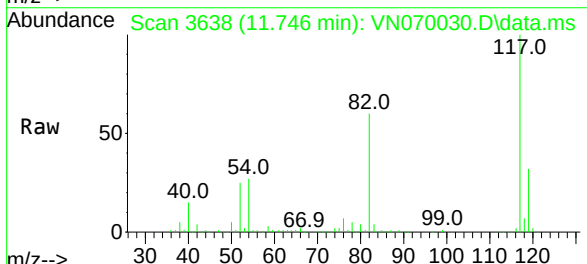
Instrument :
MSVOA_N
ClientSampleId :

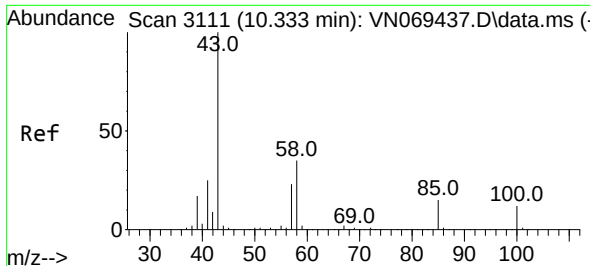
Tgt Ion:173 Resp: 5059
Ion Ratio Lower Upper
173 100
175 48.4 38.6 58.0
254 0.0 0.0 0.0



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.003 min
Lab File: VN070030.D
Acq: 13 Dec 2021 12:26

Tgt Ion:117 Resp: 733819
Ion Ratio Lower Upper
117 100
82 59.2 43.6 65.4
119 32.0 25.8 38.6

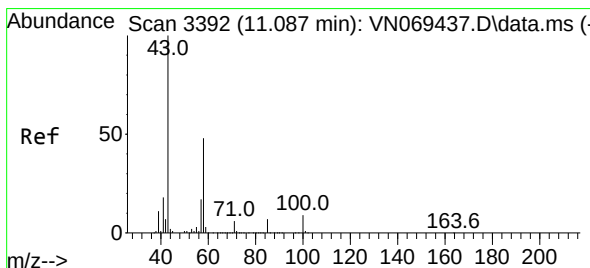
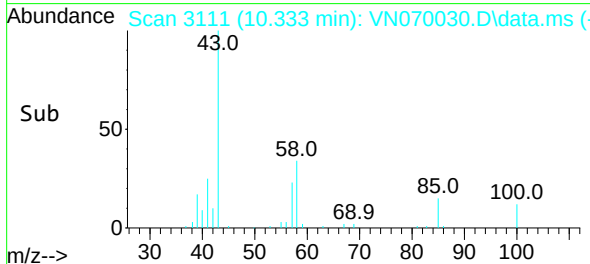
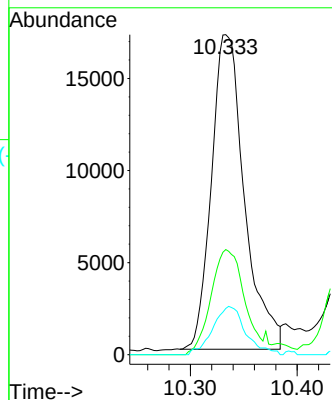
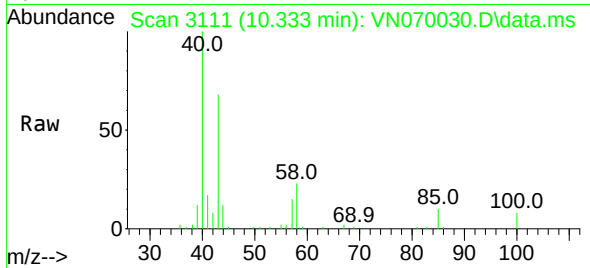




#58
4-Methyl-2-Pentanone
Concen: 2.180 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VN070030.D
Acq: 13 Dec 2021 12:26

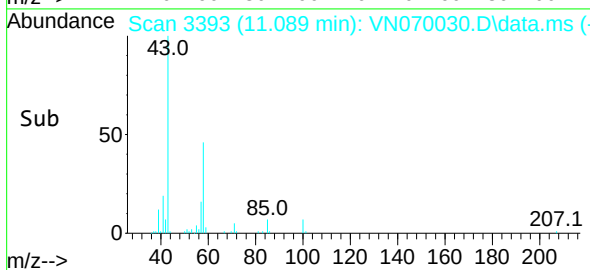
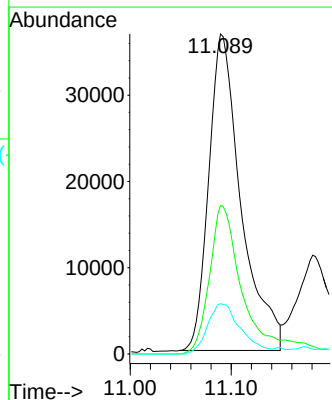
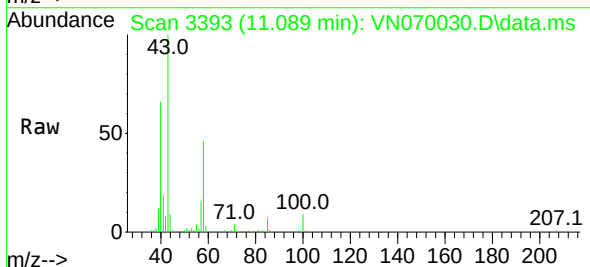
Instrument :
MSVOA_N
ClientSampleId :

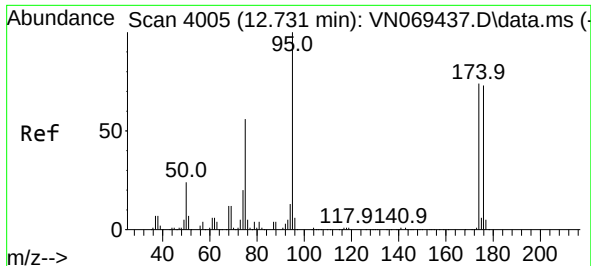
Tgt Ion: 43 Resp: 36724
Ion Ratio Lower Upper
43 100
58 33.6 30.0 45.0
85 12.5 15.0 22.6#



#59
2-Hexanone
Concen: 6.545 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.005 min
Lab File: VN070030.D
Acq: 13 Dec 2021 12:26

Tgt Ion: 43 Resp: 81492
Ion Ratio Lower Upper
43 100
58 45.5 42.2 63.2
57 16.4 15.0 22.4

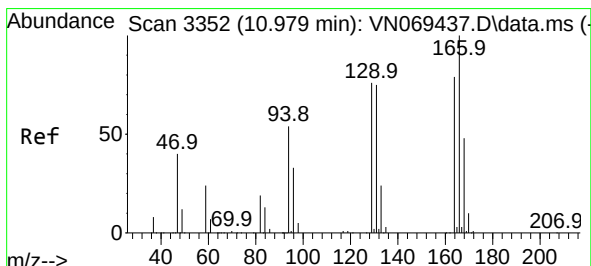
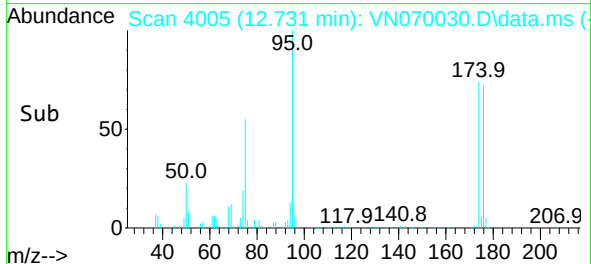
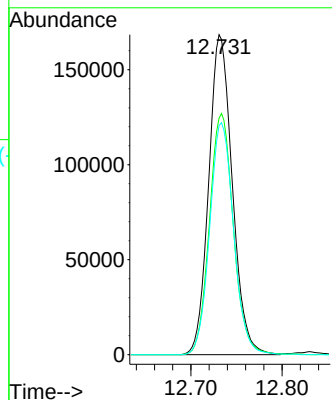
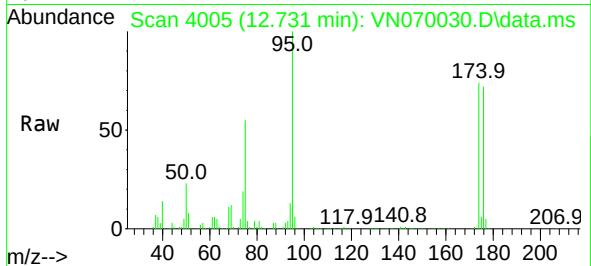




#60
4-Bromofluorobenzene
Concen: 25.038 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070030.D
Acq: 13 Dec 2021 12:26

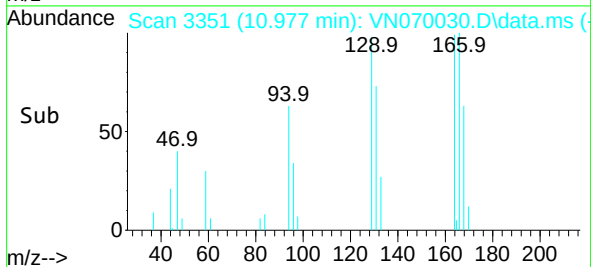
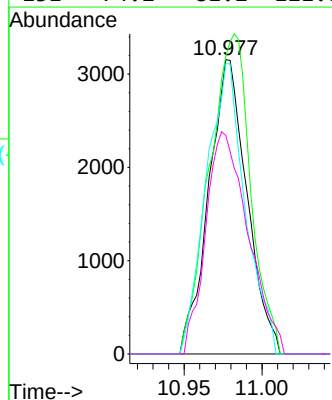
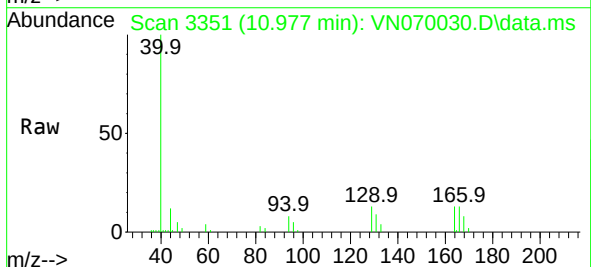
Instrument :
MSVOA_N
ClientSampleId :

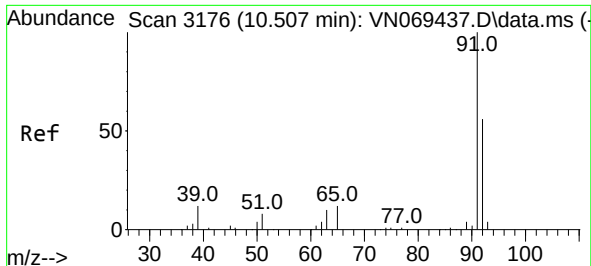
Tgt Ion: 95 Resp: 302331
Ion Ratio Lower Upper
95 100
174 76.6 62.9 94.3
176 73.4 61.0 91.4



#61
Tetrachloroethene
Concen: 0.627 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. -0.000 min
Lab File: VN070030.D
Acq: 13 Dec 2021 12:26

Tgt Ion: 164 Resp: 5375
Ion Ratio Lower Upper
164 100
166 101.1 105.8 158.8#
129 98.6 82.5 123.7
131 74.2 81.2 121.8#

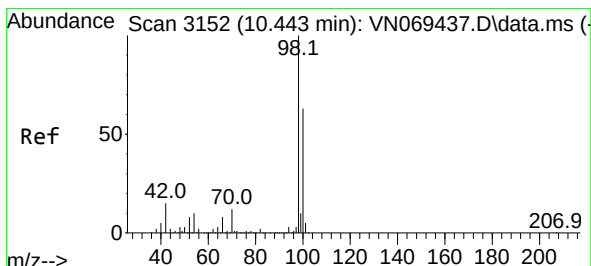
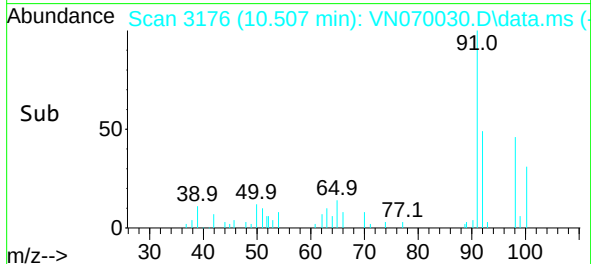
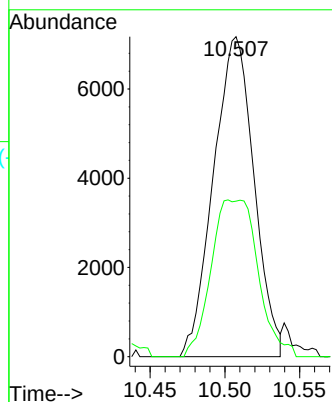
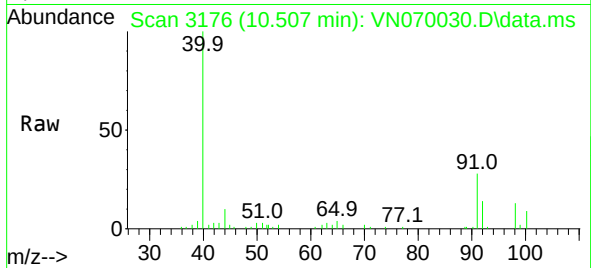




#62
Toluene
Concen: 0.314 ug/l
RT: 10.507 min Scan# 3176
Delta R.T. 0.003 min
Lab File: VN070030.D
Acq: 13 Dec 2021 12:26

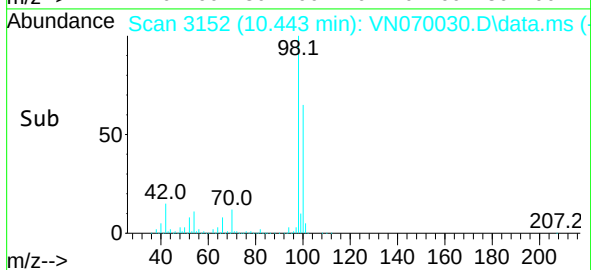
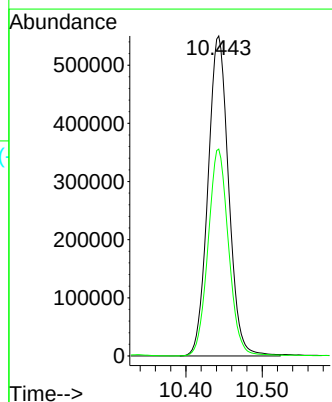
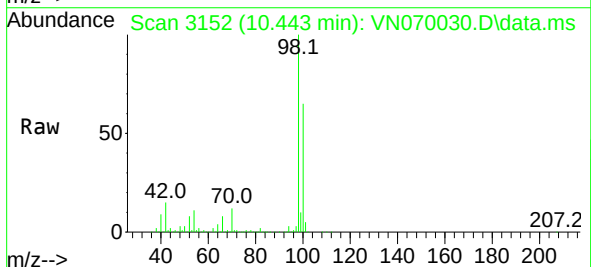
Instrument :
MSVOA_N
ClientSampleId :

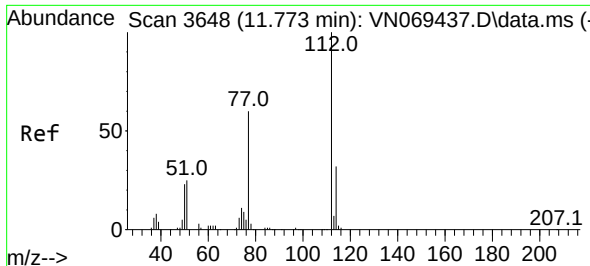
Tgt Ion: 91 Resp: 13553
Ion Ratio Lower Upper
91 100
92 27.1 44.6 67.0#



#63
Toluene-d8
Concen: 30.559 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.003 min
Lab File: VN070030.D
Acq: 13 Dec 2021 12:26

Tgt Ion: 98 Resp: 1036296
Ion Ratio Lower Upper
98 100
100 64.2 50.6 76.0

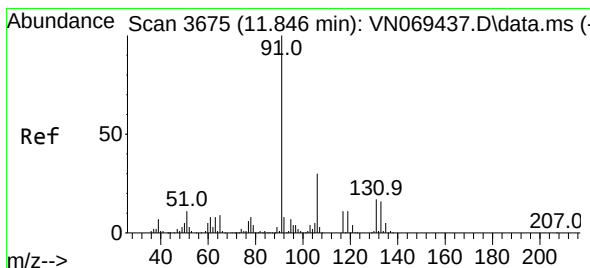
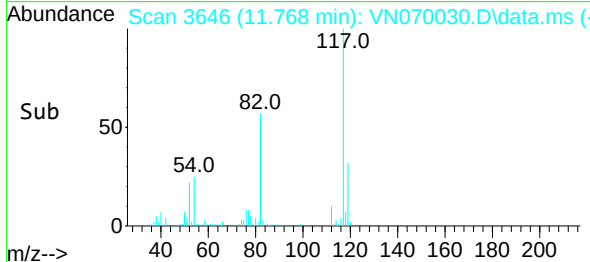
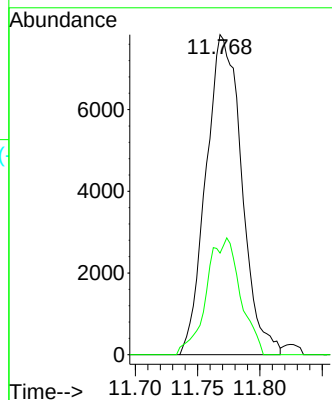
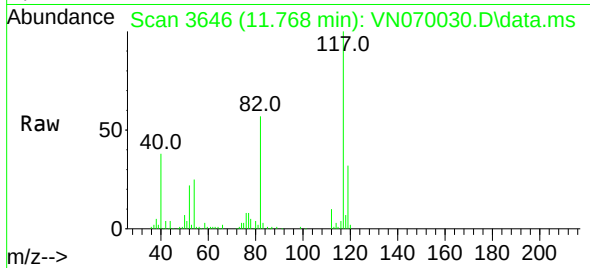




#64
Chlorobenzene
Concen: 0.609 ug/l
RT: 11.768 min Scan# 3646
Delta R.T. -0.003 min
Lab File: VN070030.D
Acq: 13 Dec 2021 12:26

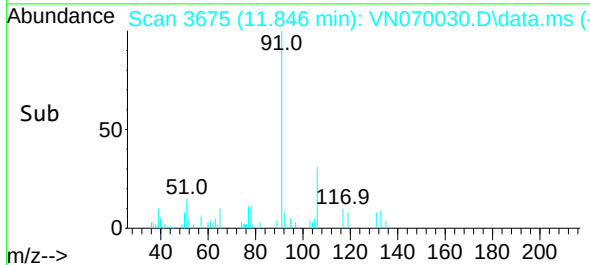
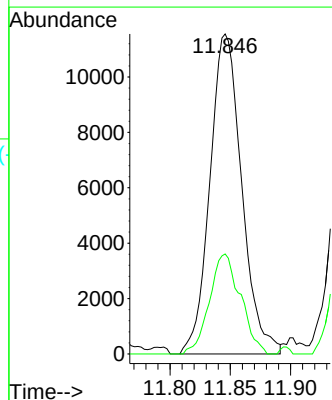
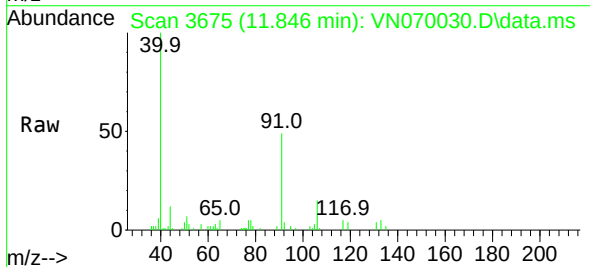
Instrument :
MSVOA_N
ClientSampleId :

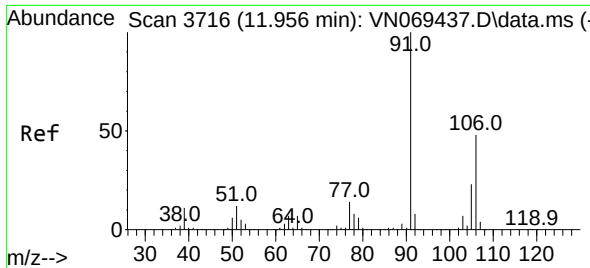
Tgt Ion:112 Resp: 15596
Ion Ratio Lower Upper
112 100
114 31.8 25.8 38.6



#66
Ethyl Benzene
Concen: 0.443 ug/l
RT: 11.846 min Scan# 3675
Delta R.T. 0.003 min
Lab File: VN070030.D
Acq: 13 Dec 2021 12:26

Tgt Ion: 91 Resp: 21234
Ion Ratio Lower Upper
91 100
106 31.2 24.0 36.0

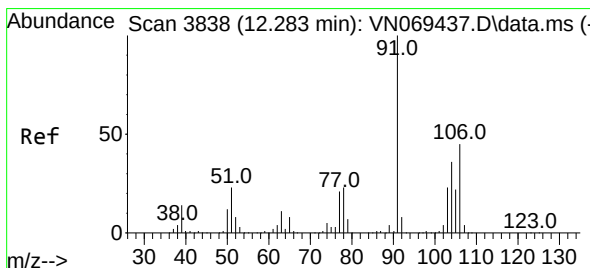
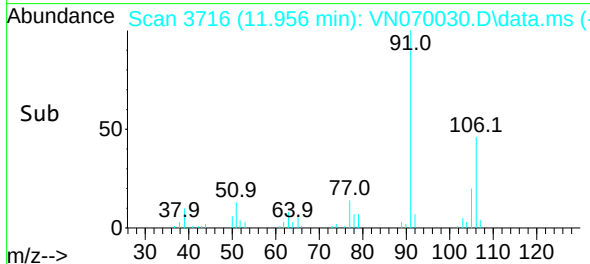
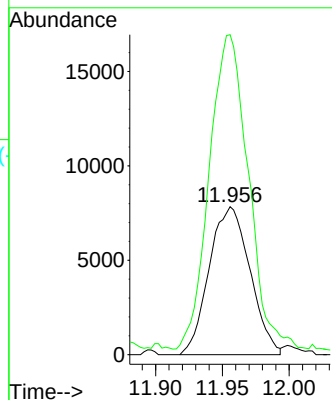
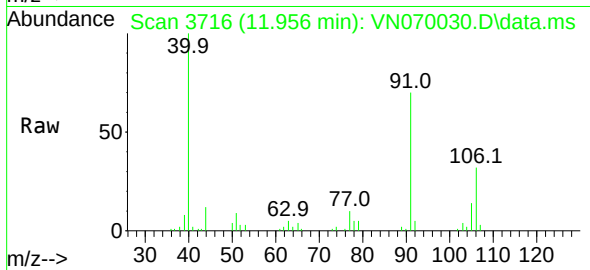




#67
m/p-Xylenes
Concen: 0.952 ug/l
RT: 11.956 min Scan# 3716
Delta R.T. 0.003 min
Lab File: VN070030.D
Acq: 13 Dec 2021 12:26

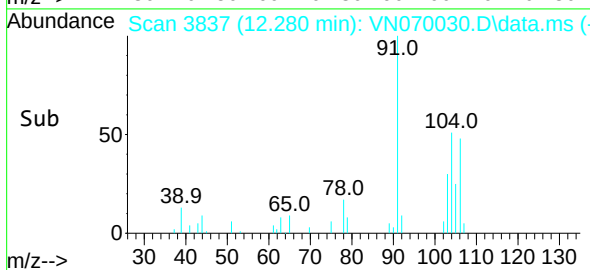
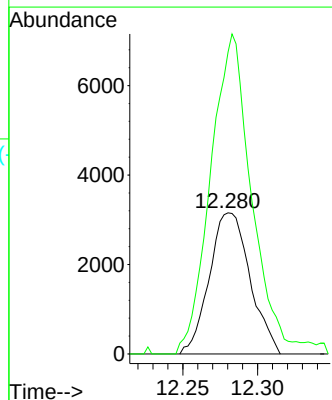
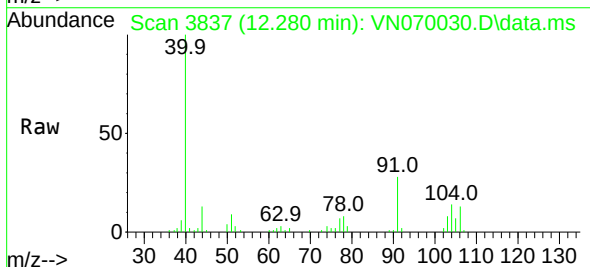
Instrument :
MSVOA_N
ClientSampleId :

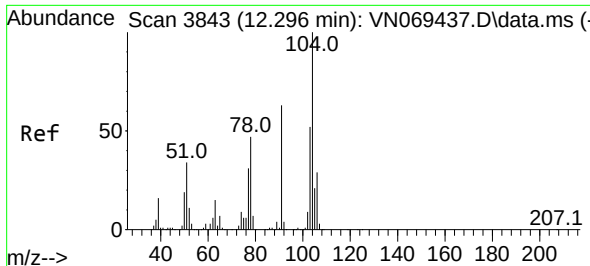
Tgt Ion:106 Resp: 16689
Ion Ratio Lower Upper
106 100
91 205.3 162.9 244.3



#68
o-Xylene
Concen: 0.344 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. -0.000 min
Lab File: VN070030.D
Acq: 13 Dec 2021 12:26

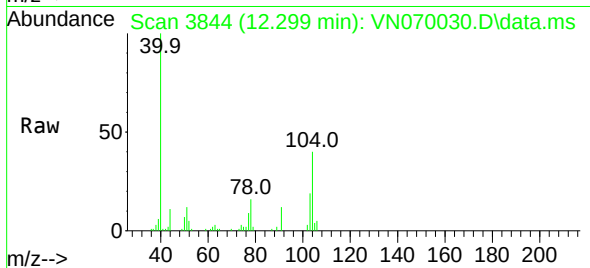
Tgt Ion:106 Resp: 5968
Ion Ratio Lower Upper
106 100
91 226.1 107.7 323.1



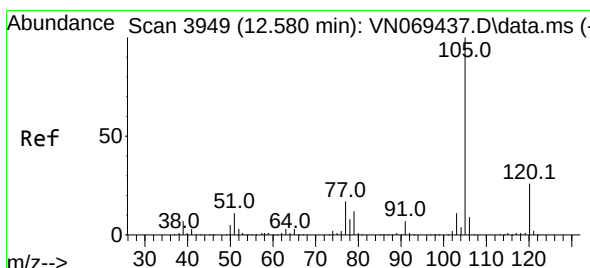
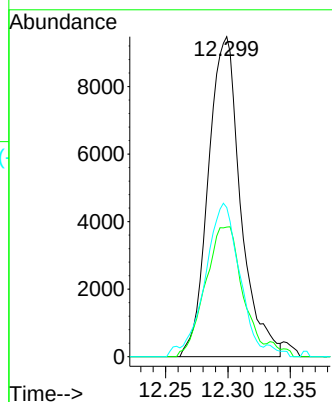
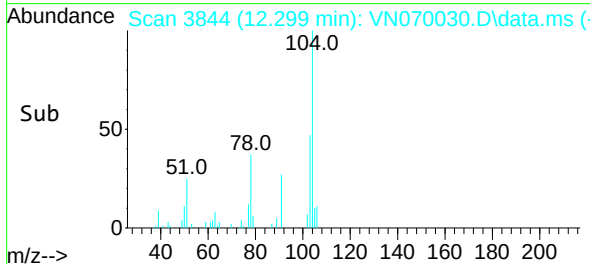


#69
Styrene
Concen: 0.606 ug/l
RT: 12.299 min Scan# 3844
Delta R.T. 0.005 min
Lab File: VN070030.D
Acq: 13 Dec 2021 12:26

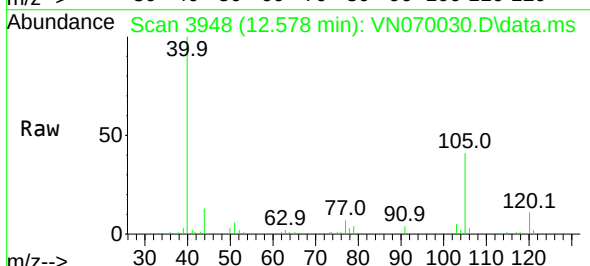
Instrument :
MSVOA_N
ClientSampleId :



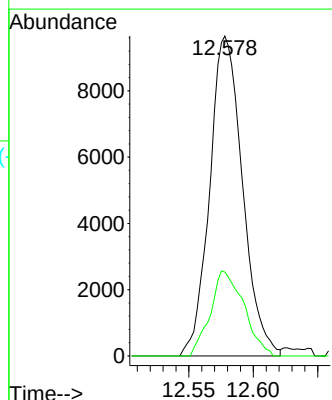
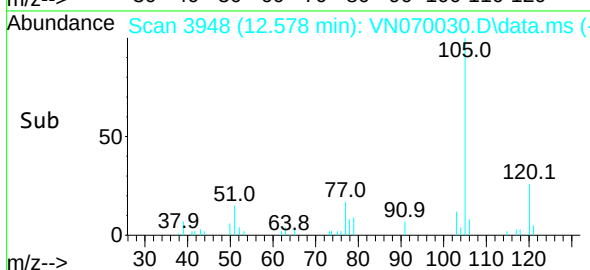
Tgt Ion:104 Resp: 17119
Ion Ratio Lower Upper
104 100
78 24.3 40.7 61.1#
103 47.9 45.8 68.8

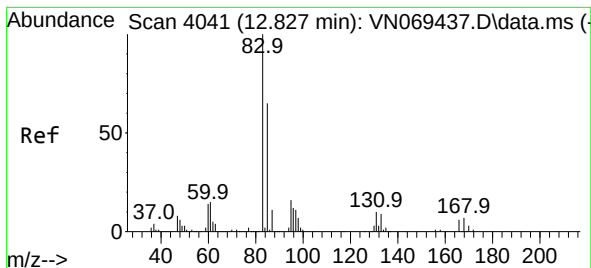


#70
Isopropylbenzene
Concen: 0.376 ug/l
RT: 12.578 min Scan# 3948
Delta R.T. -0.000 min
Lab File: VN070030.D
Acq: 13 Dec 2021 12:26



Tgt Ion:105 Resp: 17102
Ion Ratio Lower Upper
105 100
120 27.1 18.3 34.1

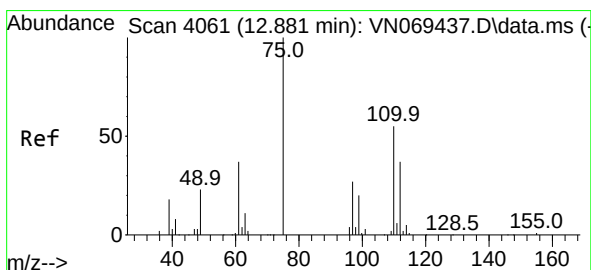
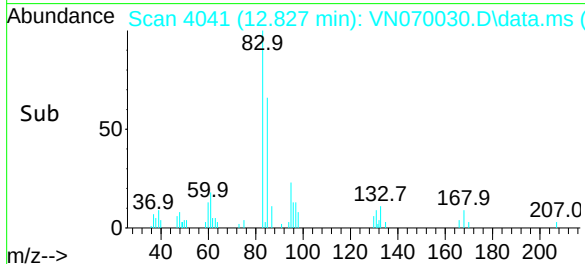
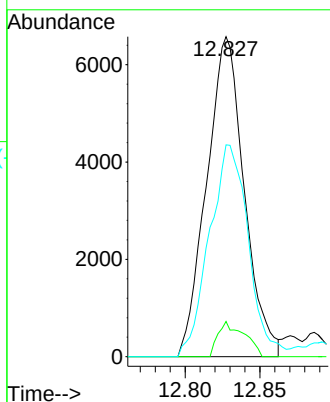
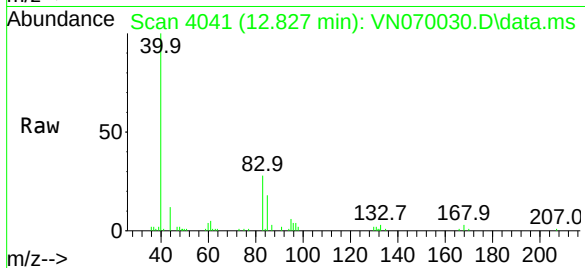




#71
1,1,2,2-Tetrachloroethane
Concen: 0.770 ug/l
RT: 12.827 min Scan# 4041
Delta R.T. -0.000 min
Lab File: VN070030.D
Acq: 13 Dec 2021 12:26

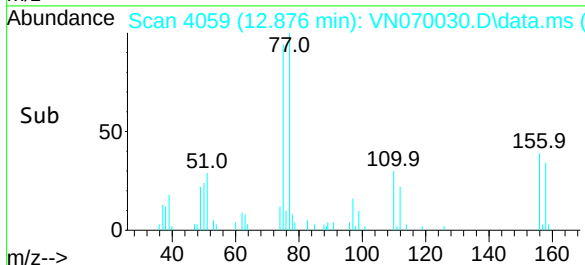
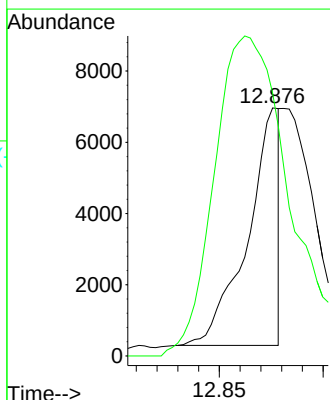
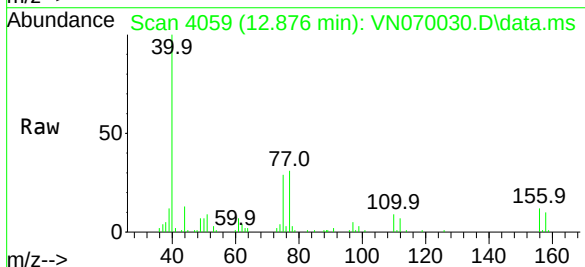
Instrument :
MSVOA_N
ClientSampleId :

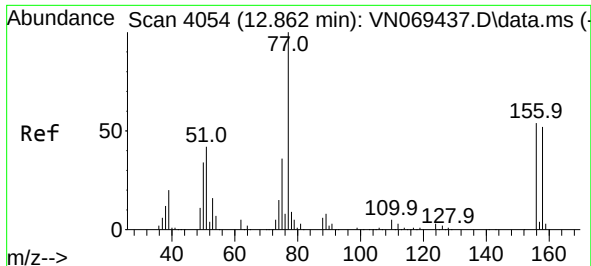
Tgt Ion: 83 Resp: 11493
Ion Ratio Lower Upper
83 100
131 3.7 5.1 15.3#
85 68.6 33.1 99.2



#72
1,2,3-Trichloropropane
Concen: 0.511 ug/l
RT: 12.876 min Scan# 4059
Delta R.T. -0.005 min
Lab File: VN070030.D
Acq: 13 Dec 2021 12:26

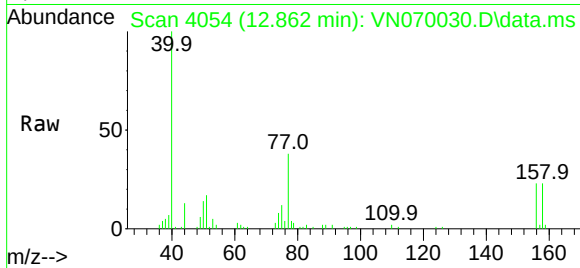
Tgt Ion: 75 Resp: 7093
Ion Ratio Lower Upper
75 100
77 320.3 0.0 378.0



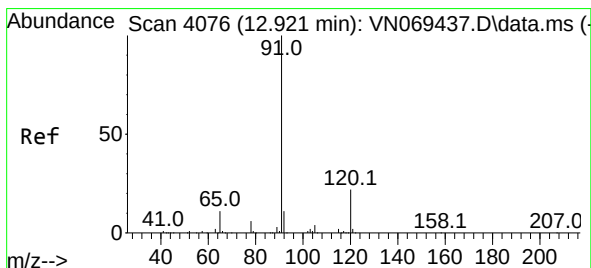
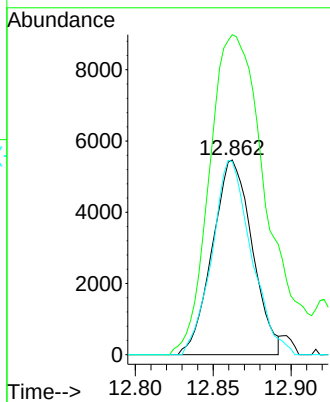
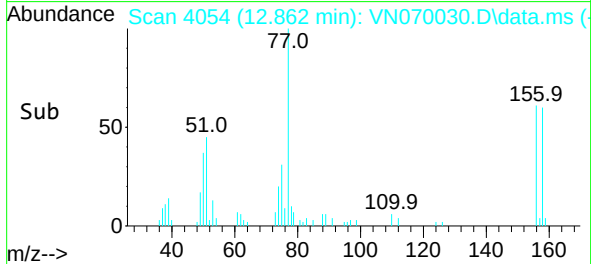


#73
Bromobenzene
Concen: 0.923 ug/l
RT: 12.862 min Scan# 4054
Delta R.T. 0.003 min
Lab File: VN070030.D
Acq: 13 Dec 2021 12:26

Instrument :
MSVOA_N
ClientSampleId :

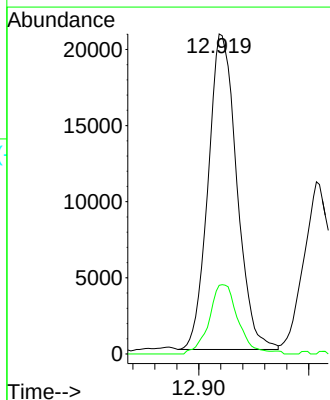
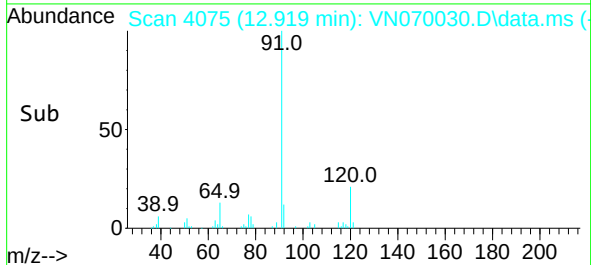
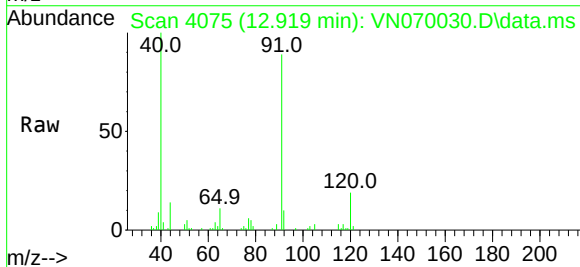


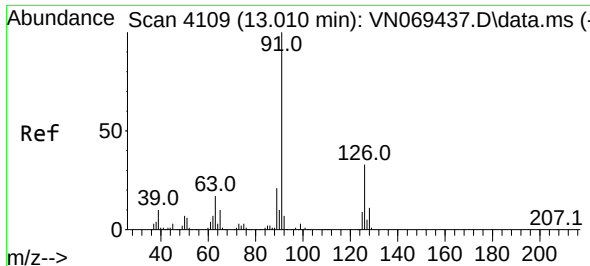
Tgt Ion:156 Resp: 9746
Ion Ratio Lower Upper
156 100
77 233.1 0.0 416.0
158 98.4 0.0 195.4



#74
n-propylbenzene
Concen: 0.711 ug/l
RT: 12.919 min Scan# 4075
Delta R.T. -0.000 min
Lab File: VN070030.D
Acq: 13 Dec 2021 12:26

Tgt Ion: 91 Resp: 37508
Ion Ratio Lower Upper
91 100
120 21.9 0.0 45.0

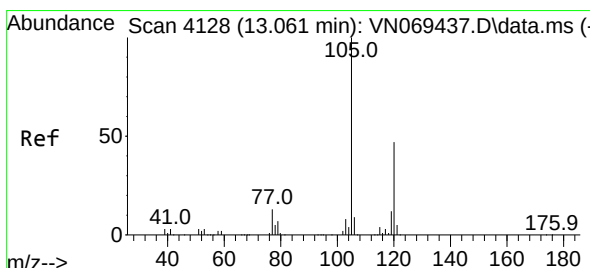
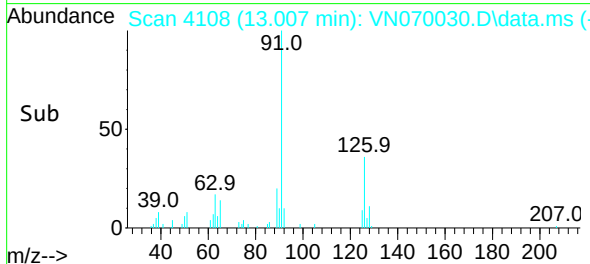
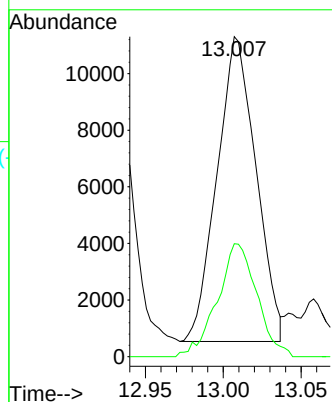
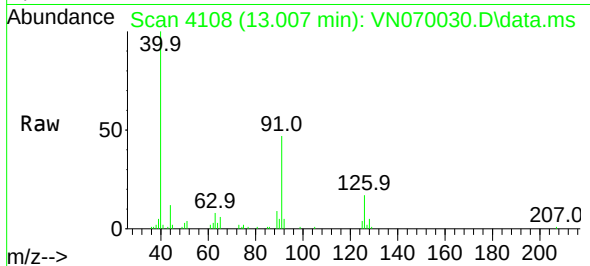




#75
2-Chlorotoluene
Concen: 0.580 ug/l
RT: 13.007 min Scan# 4108
Delta R.T. -0.000 min
Lab File: VN070030.D
Acq: 13 Dec 2021 12:26

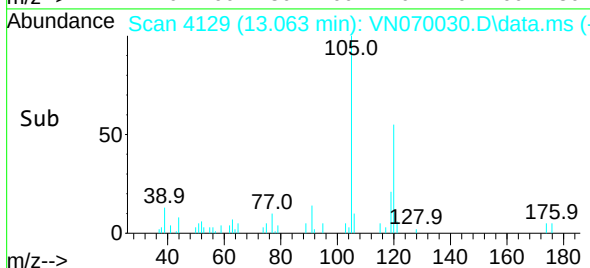
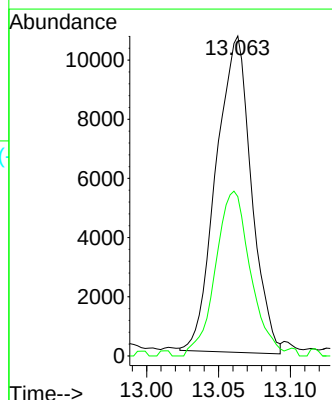
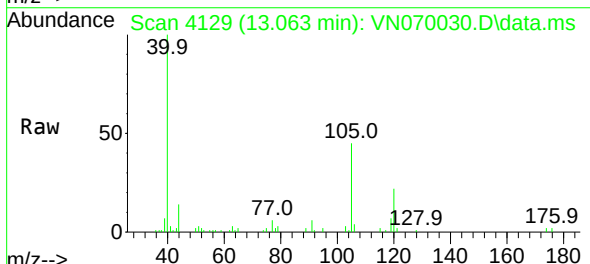
Instrument :
MSVOA_N
ClientSampleId :

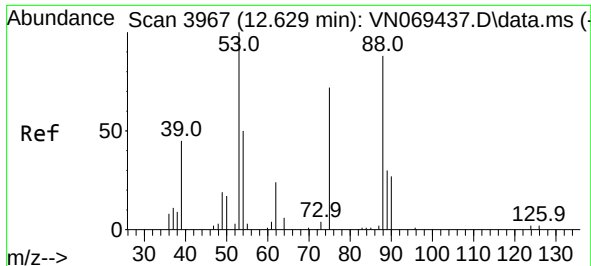
Tgt Ion: 91 Resp: 18730
Ion Ratio Lower Upper
91 100
126 36.3 0.0 69.8



#76
1,3,5-Trimethylbenzene
Concen: 0.488 ug/l
RT: 13.063 min Scan# 4129
Delta R.T. 0.005 min
Lab File: VN070030.D
Acq: 13 Dec 2021 12:26

Tgt Ion: 105 Resp: 18227
Ion Ratio Lower Upper
105 100
120 51.8 0.0 93.8





#77

t-1,4-Dichloro-2-butene

Concen: 0.205 ug/l

RT: 12.632 min Scan# 3967

Delta R.T. 0.008 min

Lab File: VN070030.D

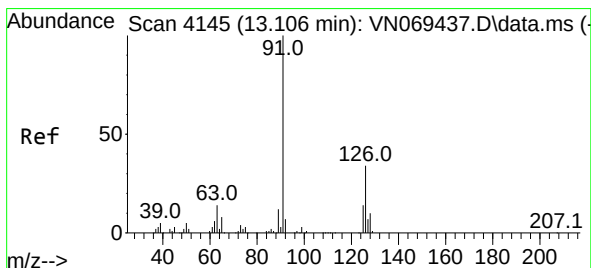
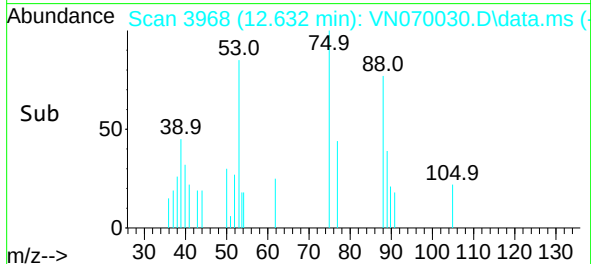
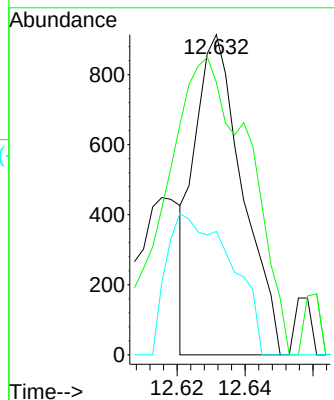
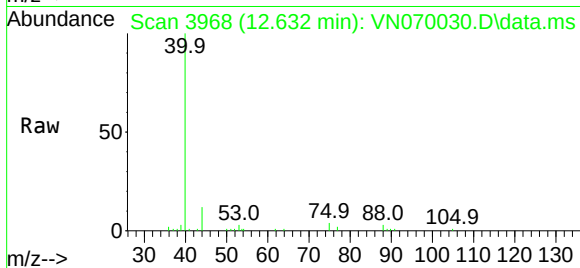
Acq: 13 Dec 2021 12:26

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	75	Resp:	894
Ion	Ratio	Lower	Upper
75	100		
53	85.4	51.8	155.5
89	38.5	22.9	68.7



#78

4-Chlorotoluene

Concen: 1.076 ug/l

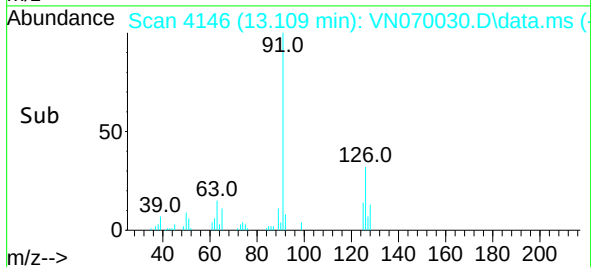
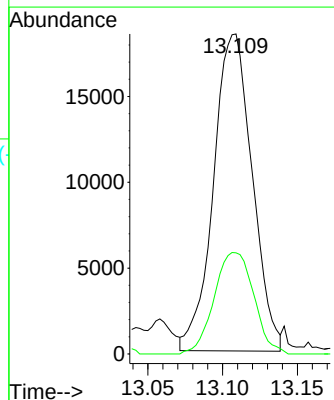
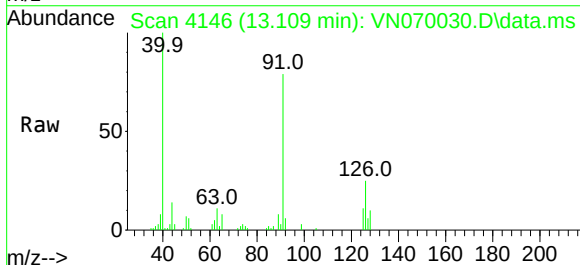
RT: 13.109 min Scan# 4146

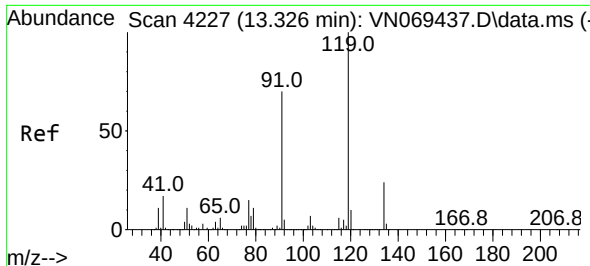
Delta R.T. 0.005 min

Lab File: VN070030.D

Acq: 13 Dec 2021 12:26

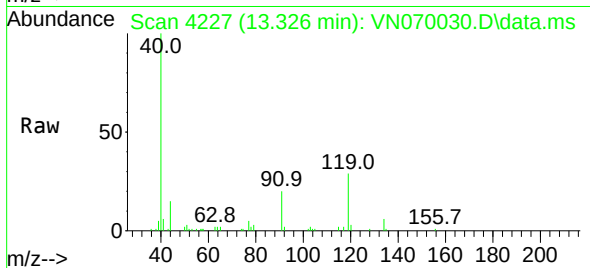
Tgt Ion:	91	Resp:	33294
Ion	Ratio	Lower	Upper
91	100		
126	32.7	0.0	70.6



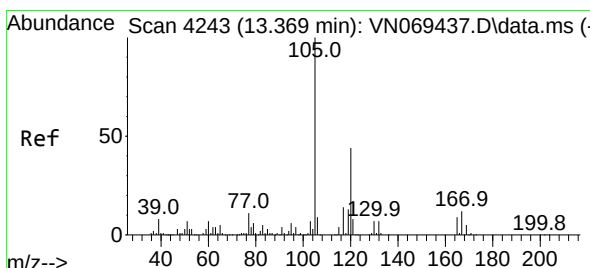
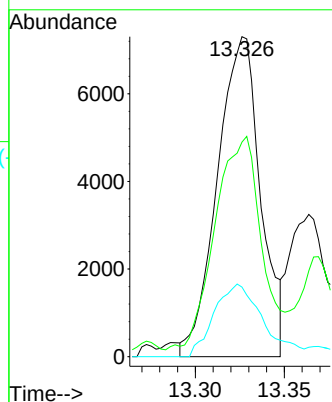
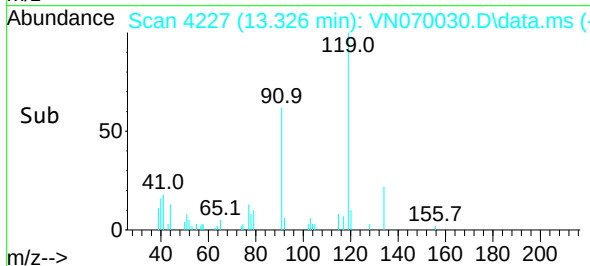


#79
tert-butylbenzene
Concen: 0.380 ug/l
RT: 13.326 min Scan# 41
Delta R.T. 0.003 min
Lab File: VN070030.D
Acq: 13 Dec 2021 12:26

Instrument :
MSVOA_N
ClientSampleId :

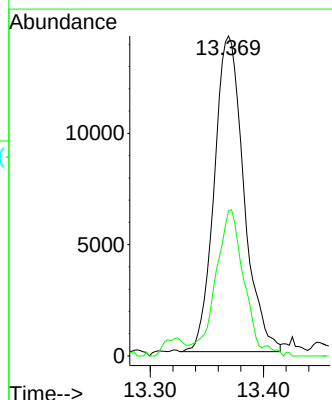
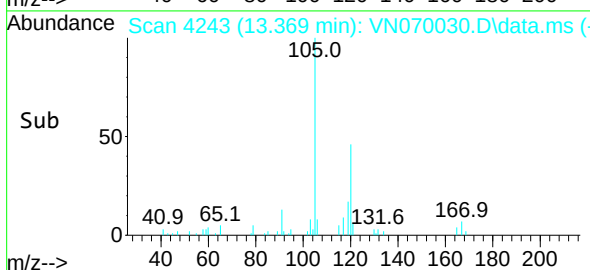
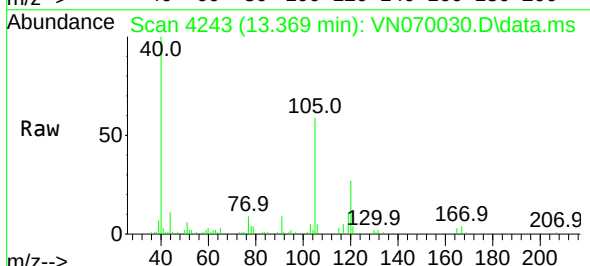


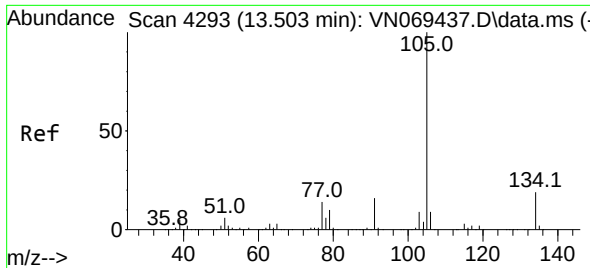
Tgt Ion:119 Resp: 12319
Ion Ratio Lower Upper
119 100
91 73.6 0.0 137.0
134 25.5 0.0 47.6



#80
1,2,4-Trimethylbenzene
Concen: 0.711 ug/l
RT: 13.369 min Scan# 4243
Delta R.T. -0.000 min
Lab File: VN070030.D
Acq: 13 Dec 2021 12:26

Tgt Ion:105 Resp: 25712
Ion Ratio Lower Upper
105 100
120 43.4 0.0 0.2#

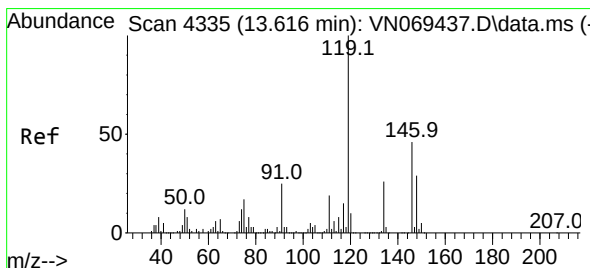
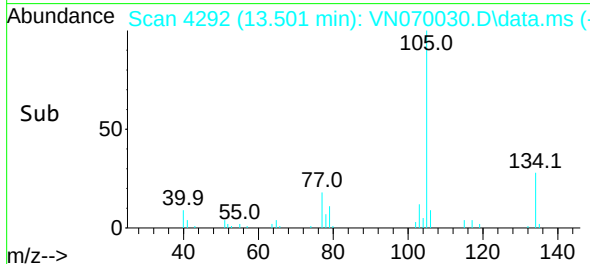
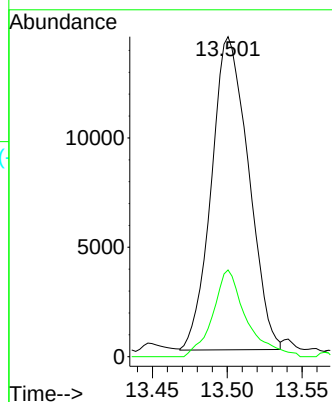
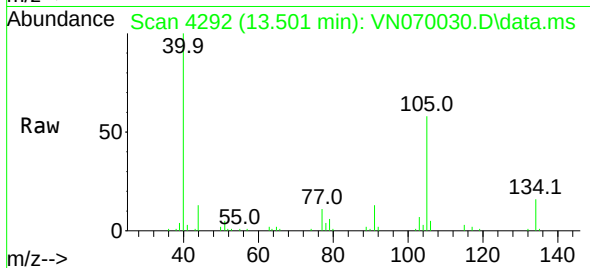




#81
 sec-Butylbenzene
 Concen: 0.546 ug/l
 RT: 13.501 min Scan# 4292
 Delta R.T. -0.000 min
 Lab File: VN070030.D
 Acq: 13 Dec 2021 12:26

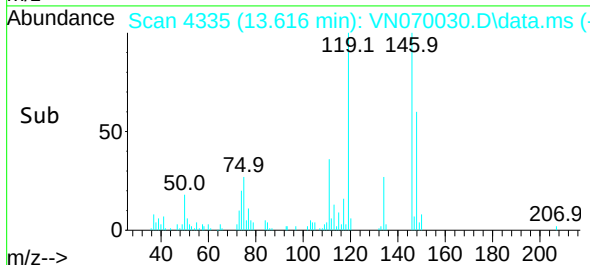
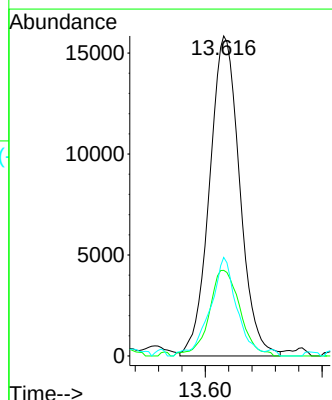
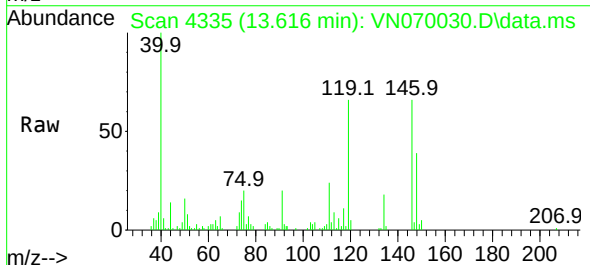
Instrument :
 MSVOA_N
 ClientSampleId :

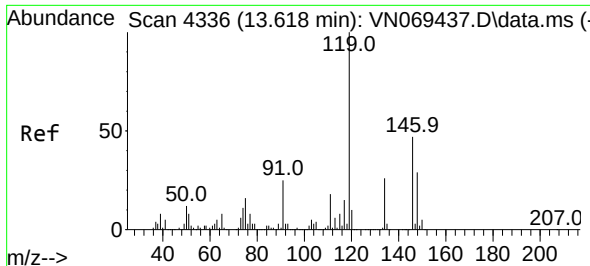
Tgt Ion:105 Resp: 24722
 Ion Ratio Lower Upper
 105 100
 134 24.8 0.0 39.4



#82
 p-Isopropyltoluene
 Concen: 0.787 ug/l
 RT: 13.616 min Scan# 4335
 Delta R.T. -0.000 min
 Lab File: VN070030.D
 Acq: 13 Dec 2021 12:26

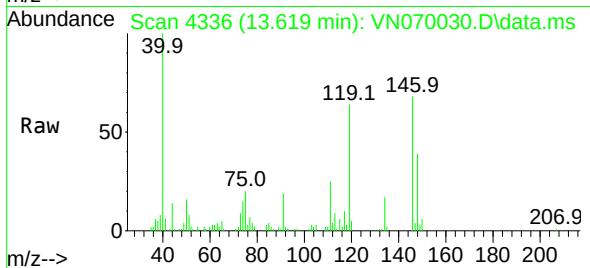
Tgt Ion:119 Resp: 28385
 Ion Ratio Lower Upper
 119 100
 134 27.4 0.0 51.8
 91 26.0 0.0 50.4



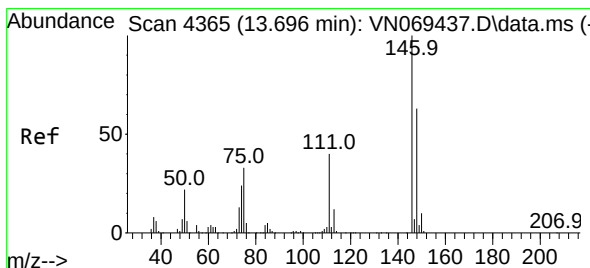
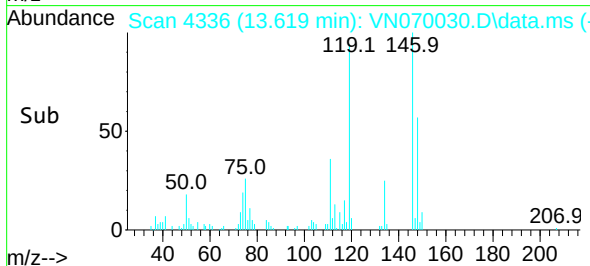
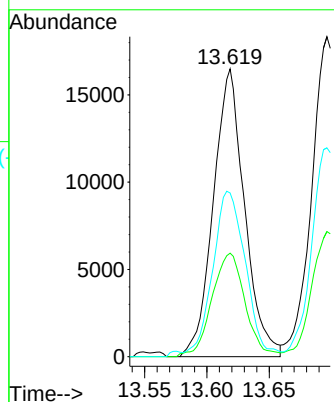


#83
 1,3-Dichlorobenzene
 Concen: 1.609 ug/l
 RT: 13.619 min Scan# 4336
 Delta R.T. 0.003 min
 Lab File: VN070030.D
 Acq: 13 Dec 2021 12:26

Instrument :
 MSVOA_N
 ClientSampleId :

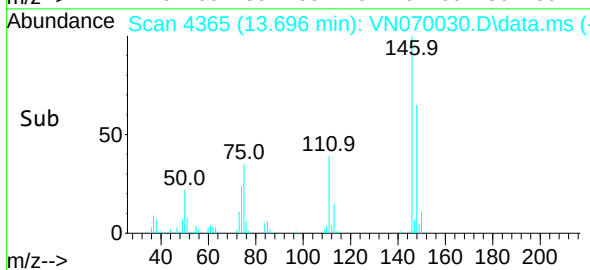
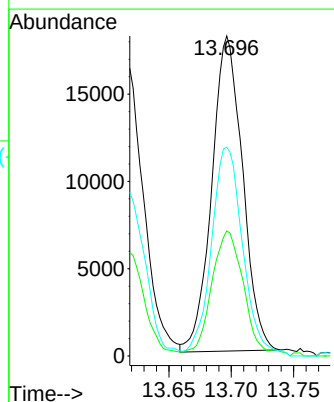
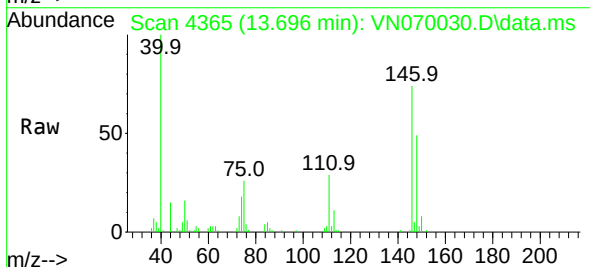


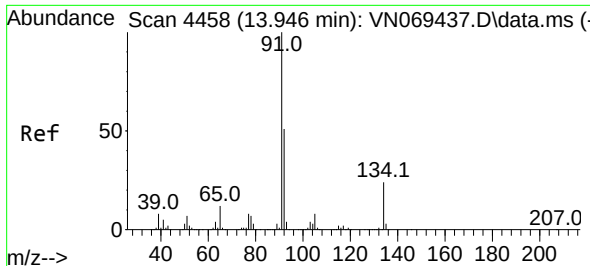
Tgt Ion:146 Resp: 28730
 Ion Ratio Lower Upper
 146 100
 111 38.1 20.8 62.2
 148 59.4 31.4 94.3



#84
 1,4-Dichlorobenzene
 Concen: 1.806 ug/l
 RT: 13.696 min Scan# 4365
 Delta R.T. 0.003 min
 Lab File: VN070030.D
 Acq: 13 Dec 2021 12:26

Tgt Ion:146 Resp: 31025
 Ion Ratio Lower Upper
 146 100
 111 40.7 19.5 58.5
 148 67.6 31.1 93.5

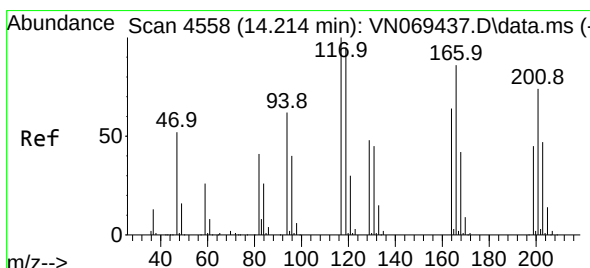
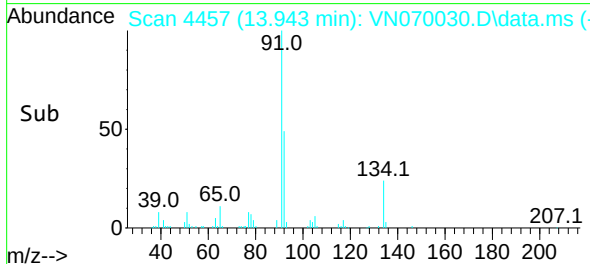
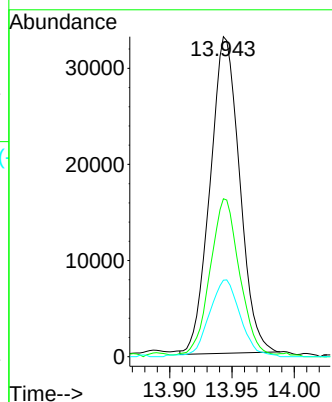
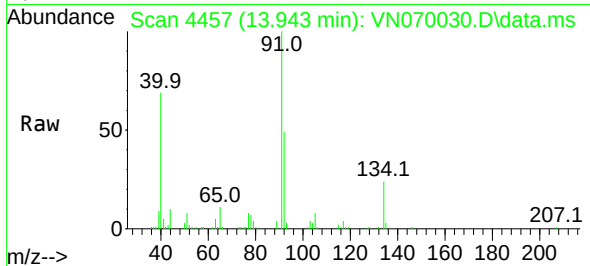




#85
n-Butylbenzene
Concen: 1.805 ug/l
RT: 13.943 min Scan# 4458
Delta R.T. -0.000 min
Lab File: VN070030.D
Acq: 13 Dec 2021 12:26

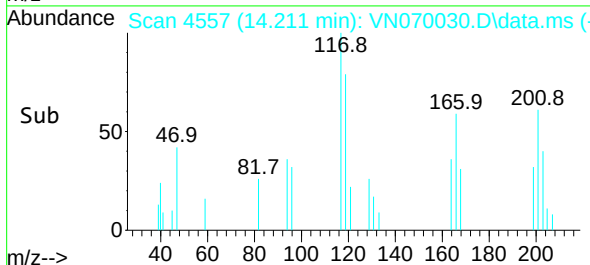
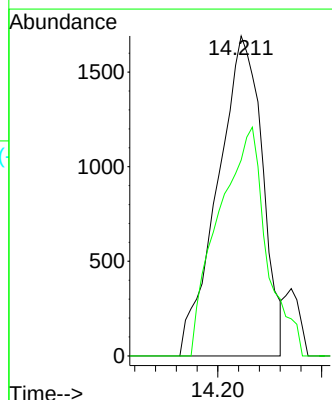
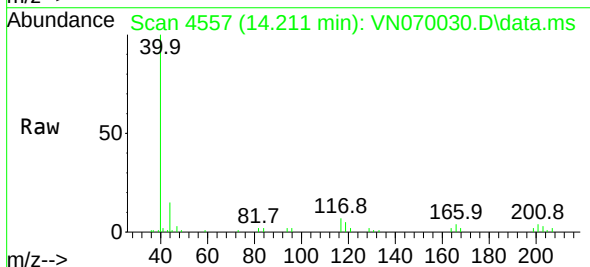
Instrument :
MSVOA_N
ClientSampleId :

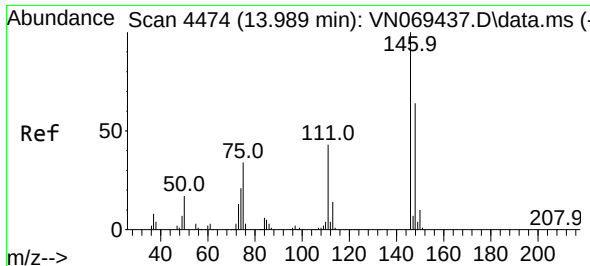
Tgt Ion: 91 Resp: 54381
Ion Ratio Lower Upper
91 100
92 49.3 0.0 100.6
134 25.2 0.0 50.2



#86
Hexachloroethane
Concen: 0.351 ug/l
RT: 14.211 min Scan# 4557
Delta R.T. 0.003 min
Lab File: VN070030.D
Acq: 13 Dec 2021 12:26

Tgt Ion: 117 Resp: 2525
Ion Ratio Lower Upper
117 100
201 76.8 33.3 99.8

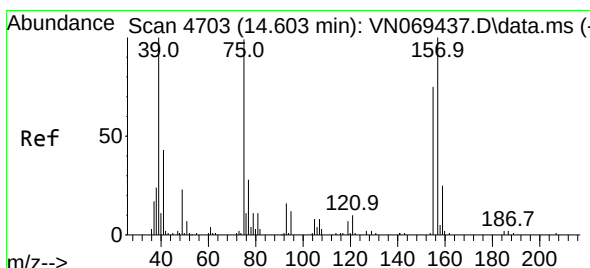
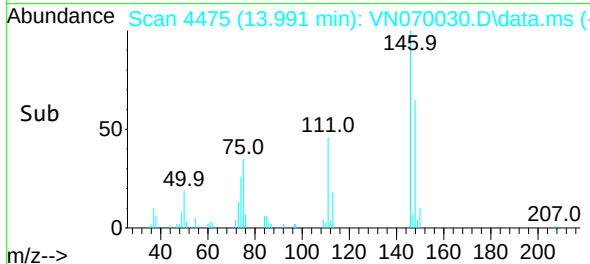
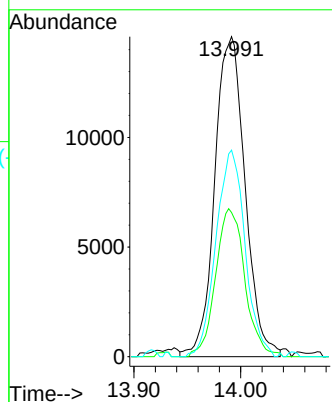
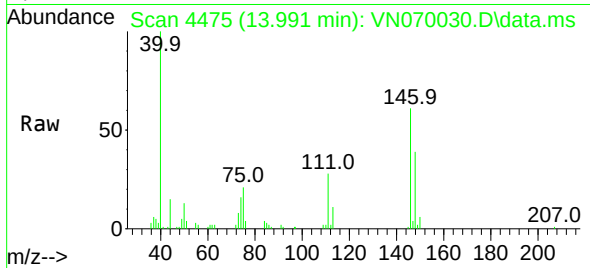




#87
1,2-Dichlorobenzene
Concen: 1.676 ug/l
RT: 13.991 min Scan# 4475
Delta R.T. 0.003 min
Lab File: VN070030.D
Acq: 13 Dec 2021 12:26

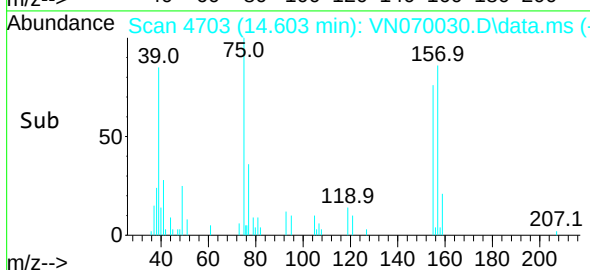
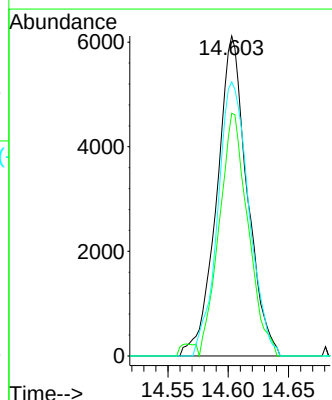
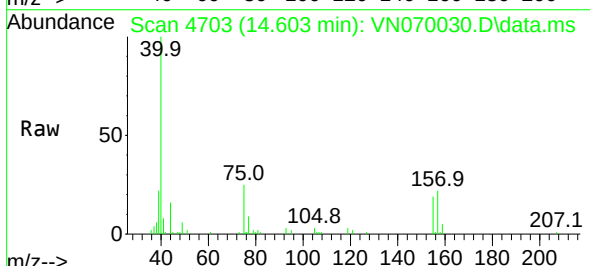
Instrument :
MSVOA_N
ClientSampleId :

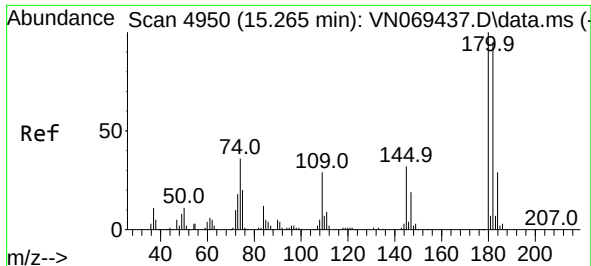
Tgt Ion:146 Resp: 28762
Ion Ratio Lower Upper
146 100
111 44.6 21.4 64.2
148 61.9 32.5 97.4



#88
1,2-Dibromo-3-Chloropropane
Concen: 3.762 ug/l
RT: 14.603 min Scan# 4703
Delta R.T. -0.000 min
Lab File: VN070030.D
Acq: 13 Dec 2021 12:26

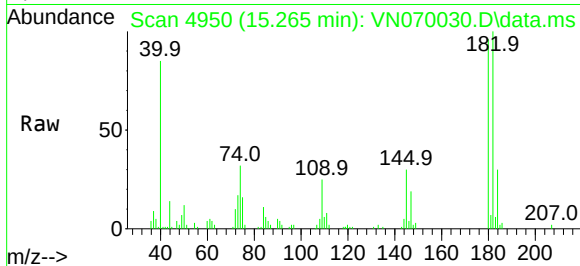
Tgt Ion: 75 Resp: 10741
Ion Ratio Lower Upper
75 100
155 71.6 63.8 95.8
157 87.8 77.9 116.9



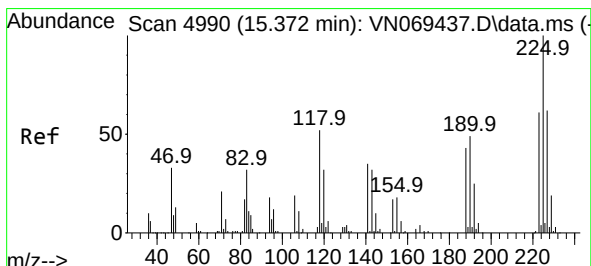
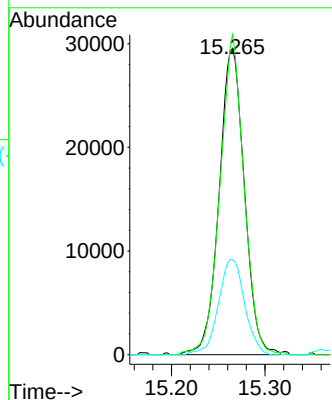
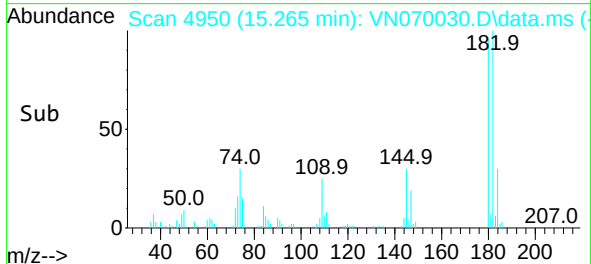


#89
1,2,4-Trichlorobenzene
Concen: 6.946 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.003 min
Lab File: VN070030.D
Acq: 13 Dec 2021 12:26

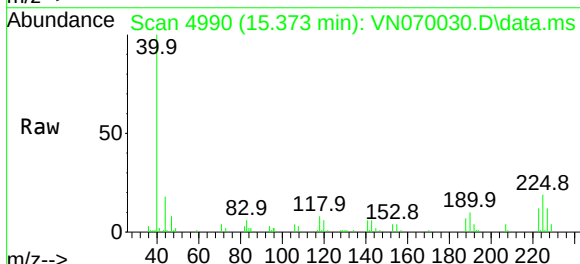
Instrument :
MSVOA_N
ClientSampleId :



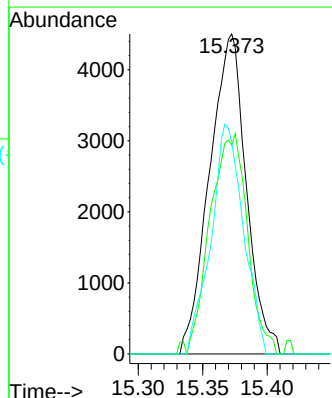
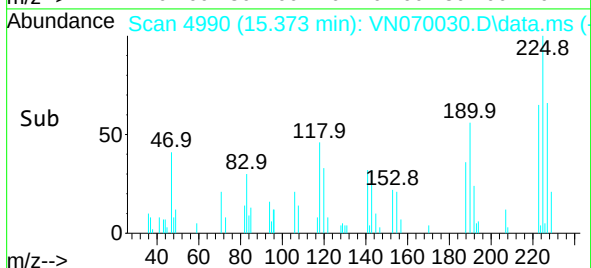
Tgt Ion:180 Resp: 55450
Ion Ratio Lower Upper
180 100
182 98.9 77.7 116.5
145 32.3 26.6 39.8

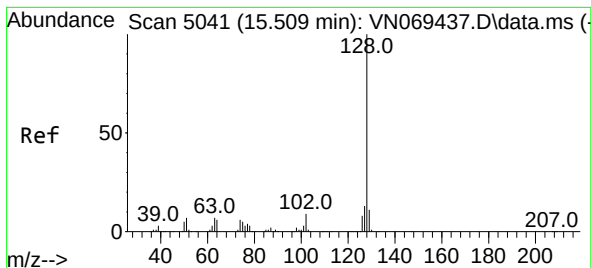


#90
Hexachlorobutadiene
Concen: 1.879 ug/l
RT: 15.373 min Scan# 4990
Delta R.T. 0.003 min
Lab File: VN070030.D
Acq: 13 Dec 2021 12:26



Tgt Ion:225 Resp: 8925
Ion Ratio Lower Upper
225 100
223 42.3 0.0 126.8
227 63.6 0.0 123.0





#91

Naphthalene

Concen: 17.072 ug/l

RT: 15.507 min Scan# 5041

Delta R.T. 0.003 min

Lab File: VN070030.D

Acq: 13 Dec 2021 12:26

Instrument :

MSVOA_N

ClientSampleId :

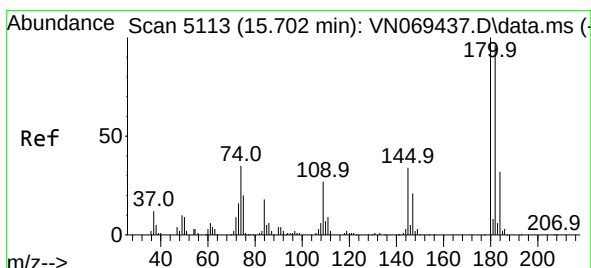
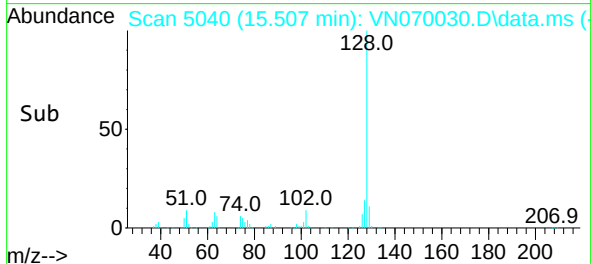
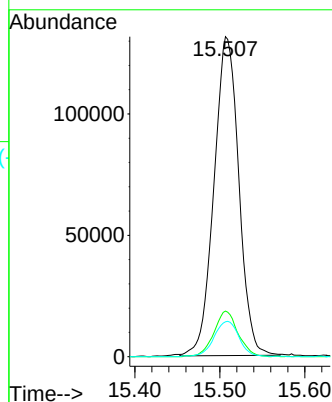
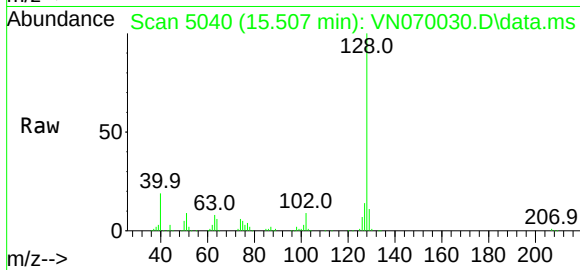
Tgt Ion:128 Resp: 266893

Ion Ratio Lower Upper

128 100

127 13.9 10.7 16.1

129 11.2 9.0 13.6



#92

1,2,3-Trichlorobenzene

Concen: 9.986 ug/l

RT: 15.700 min Scan# 5112

Delta R.T. -0.000 min

Lab File: VN070030.D

Acq: 13 Dec 2021 12:26

Tgt Ion:180 Resp: 75317

Ion Ratio Lower Upper

180 100

182 95.7 0.0 190.0

145 33.2 0.0 67.8

