

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN033122\
 Data File : VN071706.D
 Acq On : 31 Mar 2022 16:01
 Operator : JC\MD
 Sample : N2177-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT-TB-20220329

Quant Time: Mar 31 18:45:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032422W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 24 12:03:44 2022
 Response via : Initial Calibration

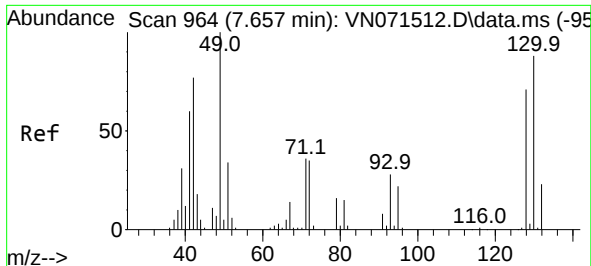
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	7.657	128	87753	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	475369	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	404305	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.439	65	189054	30.578	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.933%
60) 4-Bromofluorobenzene	12.727	95	136192	22.718	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	75.733%
63) Toluene-d8	10.439	98	558354	30.423	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.400%
Target Compounds						
					Qvalue	
3) Chloromethane	2.304	50	2067	0.321	ug/l	93
12) Methyl Acetate	4.863	43	2218	0.310	ug/l #	87
13) Acrolein	4.051	56	209	0.274	ug/l	91
15) Acetone	4.304	58	1417	1.517	ug/l #	36
18) Methylene Chloride	5.092	84	1659	0.272	ug/l #	73
55) 2-Chloroethyl vinyl ether	10.439	63	602	0.239	ug/l #	1
56) Bromoform	12.733	173	1015	0.210	ug/l #	1
59) 2-Hexanone	11.080	43	1728	0.308	ug/l #	84
77) t-1,4-Dichloro-2-butene	12.727	75	66055	26.023	ug/l #	8
91) Naphthalene	15.504	128	3213	7.057	ug/l #	84
92) 1,2,3-Trichlorobenzene	15.698	180	991	0.219	ug/l	88

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

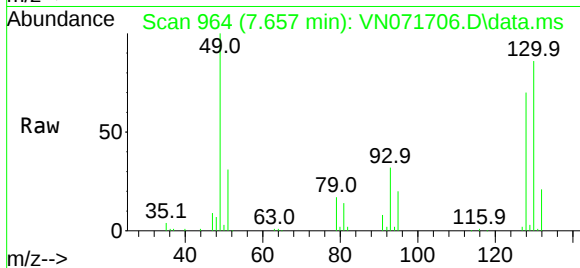
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Mar 24 12:03:44 2022
Response via : Initial Calibration



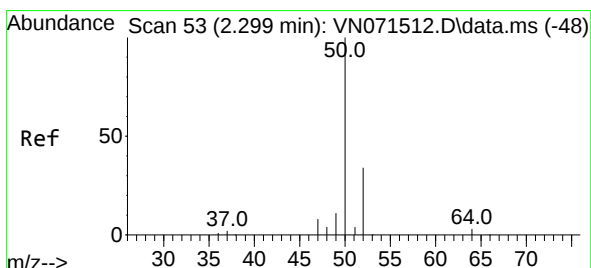
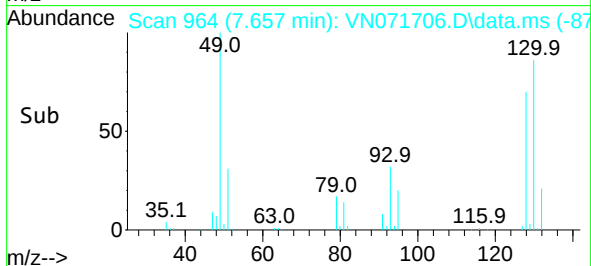
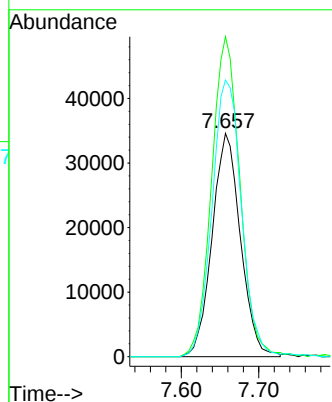


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.657 min Scan# 90
Delta R.T. -0.000 min
Lab File: VN071706.D
Acq: 31 Mar 2022 16:01

Instrument :
MSVOA_N
ClientSampleId :
TT-TB-20220329

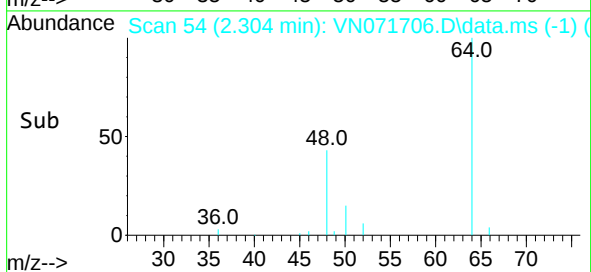
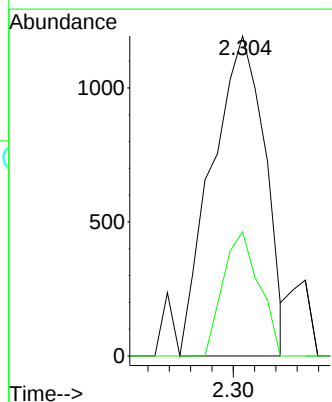
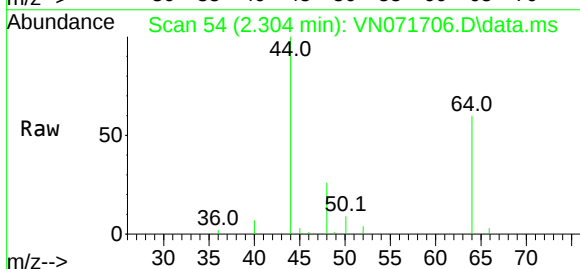


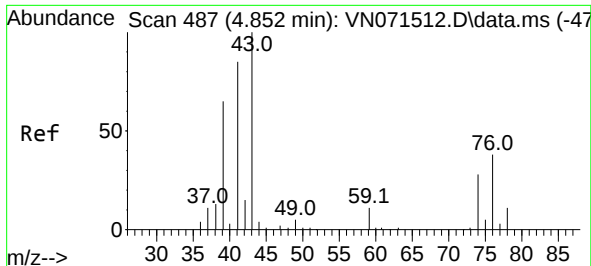
Tgt Ion:128 Resp: 87753
Ion Ratio Lower Upper
128 100
49 142.9 0.0 392.3
130 128.6 0.0 320.2



#3
Chloromethane
Concen: 0.321 ug/l
RT: 2.304 min Scan# 54
Delta R.T. 0.006 min
Lab File: VN071706.D
Acq: 31 Mar 2022 16:01

Tgt Ion: 50 Resp: 2067
Ion Ratio Lower Upper
50 100
52 38.8 27.8 41.6

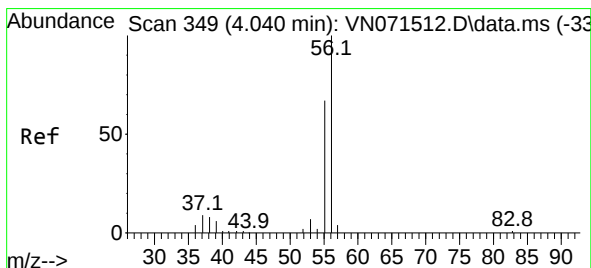
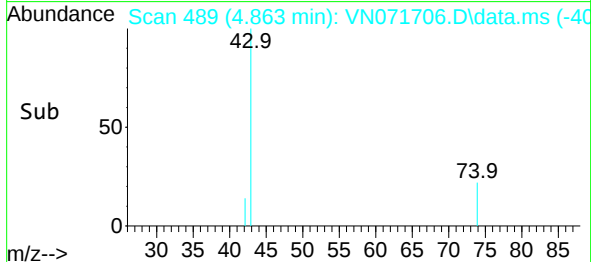
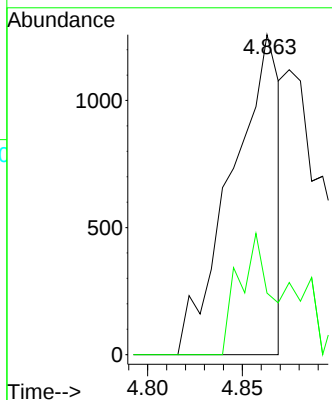
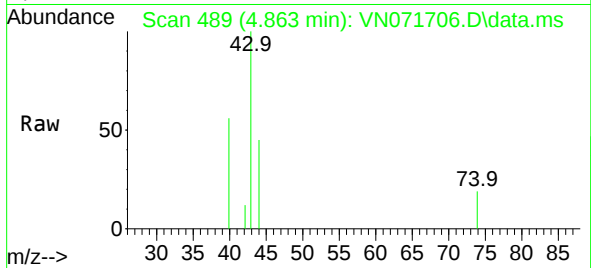




#12
Methyl Acetate
Concen: 0.310 ug/l
RT: 4.863 min Scan# 41
Delta R.T. 0.011 min
Lab File: VN071706.D
Acq: 31 Mar 2022 16:01

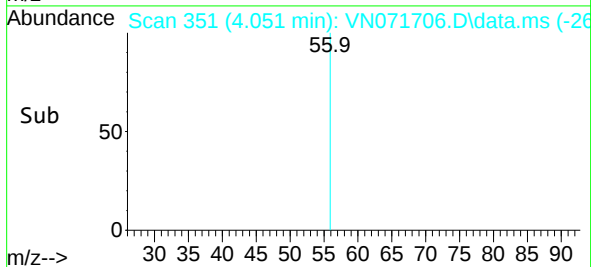
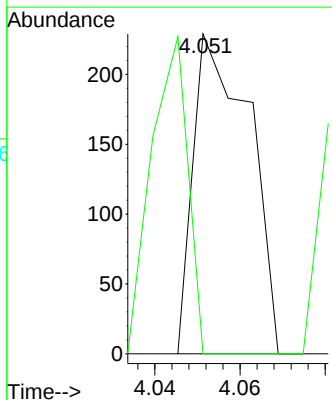
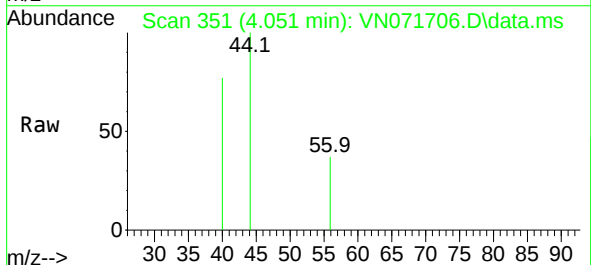
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MSVOA_N
ClientSampleId :
TT-TB-20220329

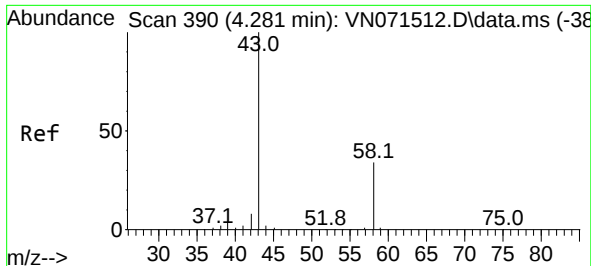
Tgt Ion: 43 Resp: 2218
Ion Ratio Lower Upper
43 100
74 19.4 20.8 31.2#



#13
Acrolein
Concen: 0.274 ug/l
RT: 4.051 min Scan# 351
Delta R.T. 0.011 min
Lab File: VN071706.D
Acq: 31 Mar 2022 16:01

Tgt Ion: 56 Resp: 209
Ion Ratio Lower Upper
56 100
55 64.6 57.6 86.4





#15

Acetone

Concen: 1.517 ug/l

RT: 4.304 min Scan# 390

Delta R.T. 0.023 min

Lab File: VN071706.D

Acq: 31 Mar 2022 16:01

Instrument :

MSVOA_N

ClientSampleId :

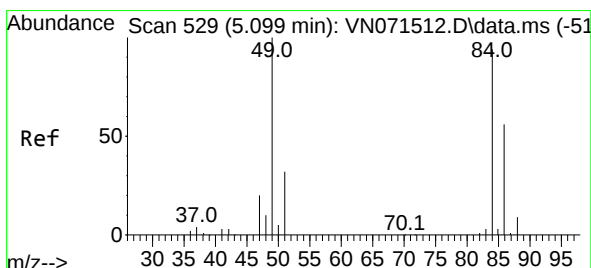
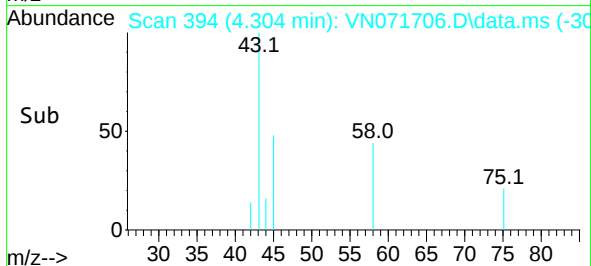
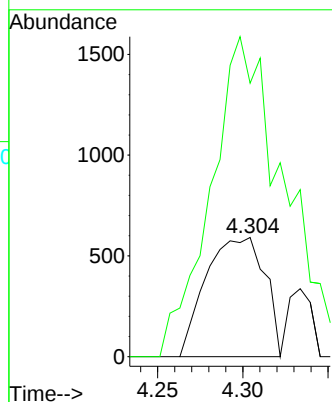
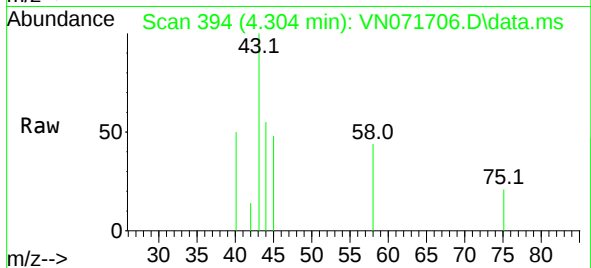
TT-TB-20220329

Tgt Ion: 58 Resp: 1417

Ion Ratio Lower Upper

58 100

43 188.8 256.6 384.8#



#18

Methylene Chloride

Concen: 0.272 ug/l

RT: 5.092 min Scan# 528

Delta R.T. -0.006 min

Lab File: VN071706.D

Acq: 31 Mar 2022 16:01

Tgt Ion: 84 Resp: 1659

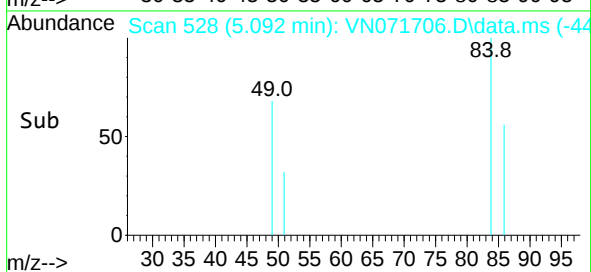
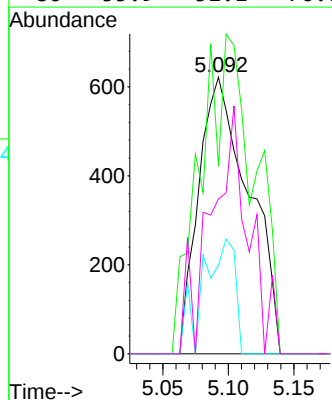
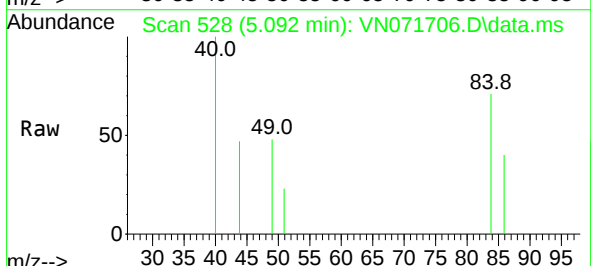
Ion Ratio Lower Upper

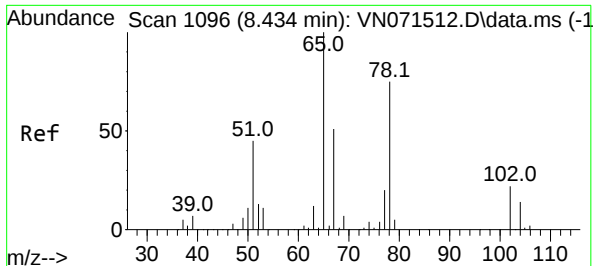
84 100

49 68.0 91.4 137.0#

51 32.0 29.4 44.0

86 55.9 51.1 76.7

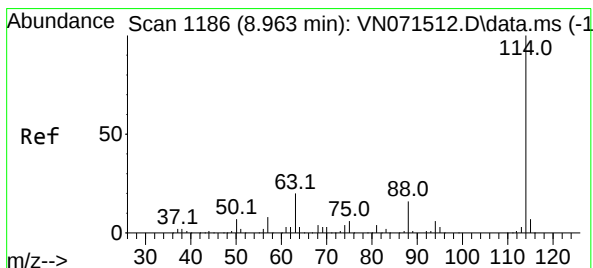
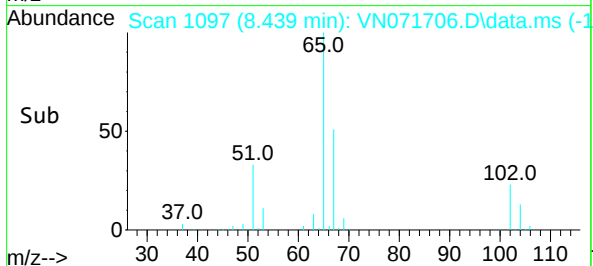
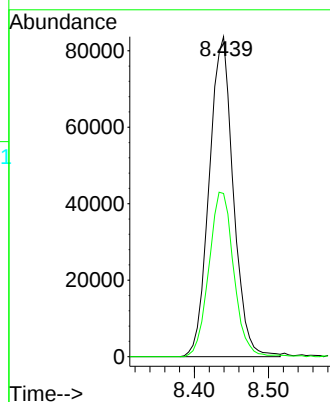
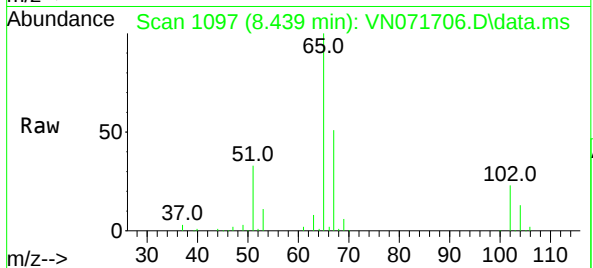




#27
1,2-Dichloroethane-d4
Concen: 30.578 ug/l
RT: 8.439 min Scan# 1096
Delta R.T. 0.006 min
Lab File: VN071706.D
Acq: 31 Mar 2022 16:01

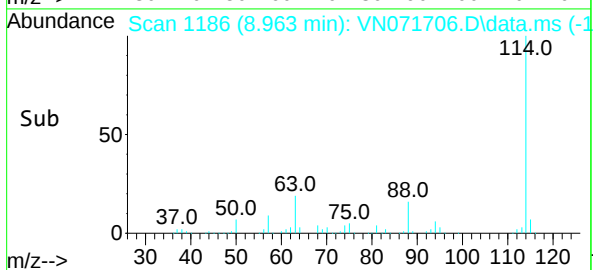
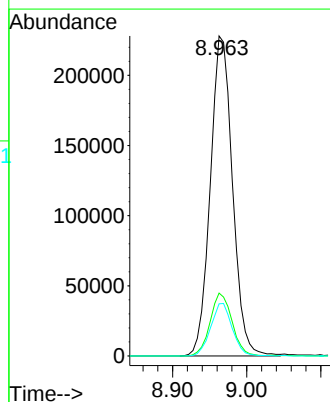
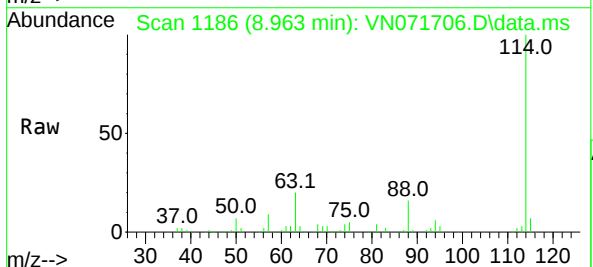
Instrument :
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ClientSampleId :
TT-TB-20220329

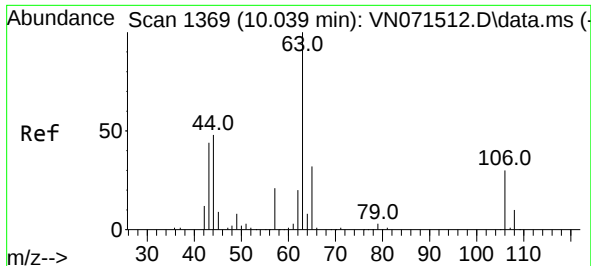
Tgt Ion: 65 Resp: 189054
Ion Ratio Lower Upper
65 100
67 52.8 40.2 60.2



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071706.D
Acq: 31 Mar 2022 16:01

Tgt Ion: 114 Resp: 475369
Ion Ratio Lower Upper
114 100
63 19.4 15.8 23.6
88 15.9 11.6 17.4

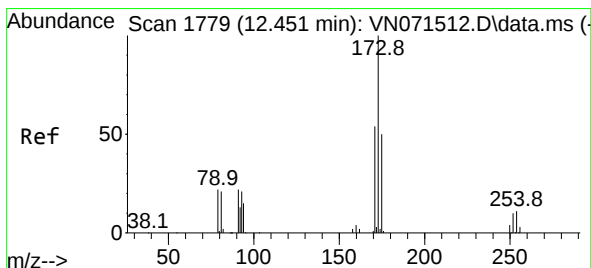
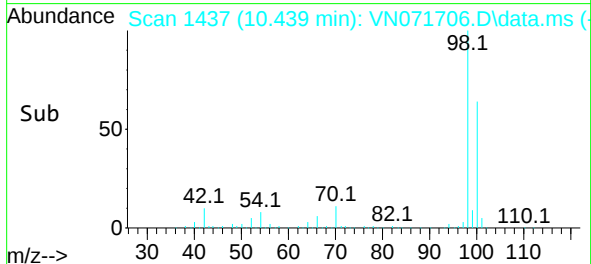
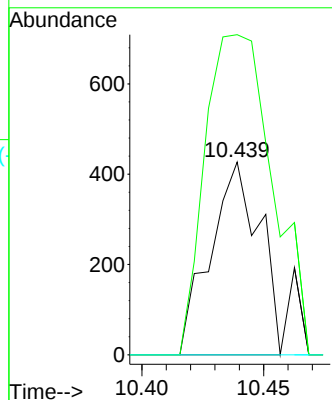
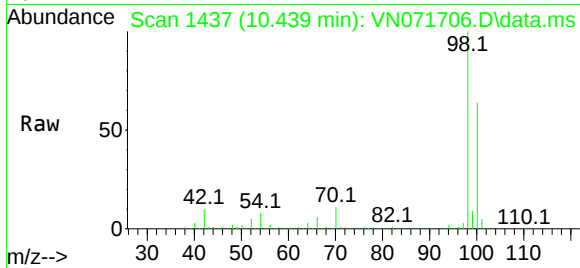




#55
2-Chloroethyl vinyl ether
Concen: 0.239 ug/l
RT: 10.439 min Scan# 14
Delta R.T. 0.400 min
Lab File: VN071706.D
Acq: 31 Mar 2022 16:01

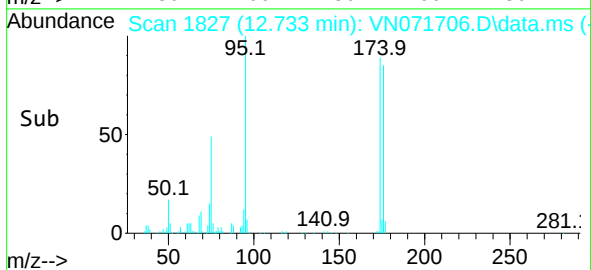
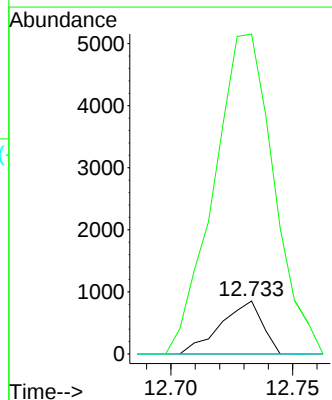
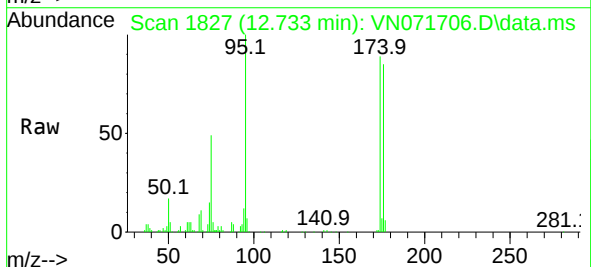
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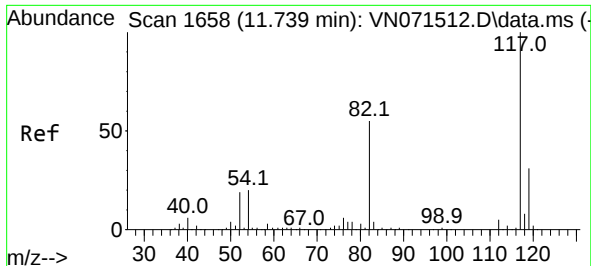
Tgt Ion: 63 Resp: 602
Ion Ratio Lower Upper
63 100
65 227.7 25.4 38.0#
106 0.0 23.2 34.8#



#56
Bromoform
Concen: 0.210 ug/l
RT: 12.733 min Scan# 1827
Delta R.T. 0.282 min
Lab File: VN071706.D
Acq: 31 Mar 2022 16:01

Tgt Ion: 173 Resp: 1015
Ion Ratio Lower Upper
173 100
175 871.1 38.6 58.0#
254 0.0 0.0 0.0

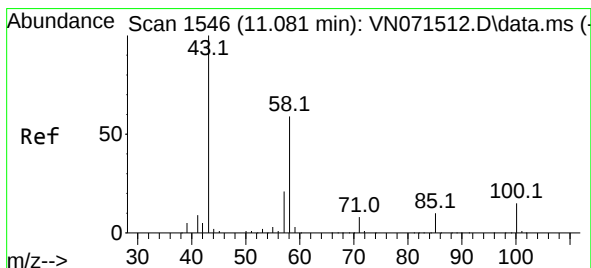
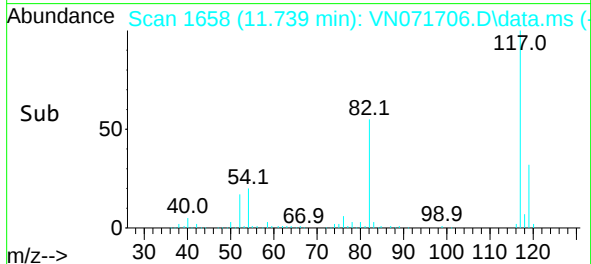
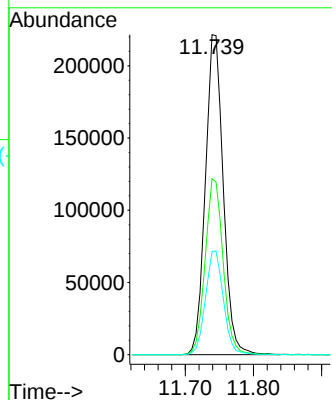
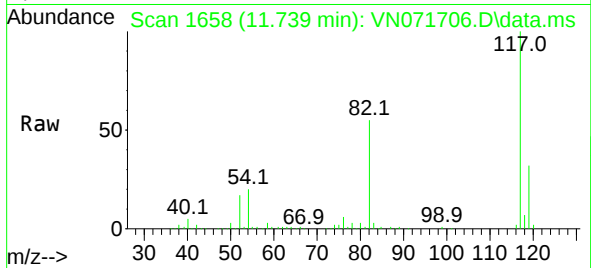




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN071706.D
Acq: 31 Mar 2022 16:01

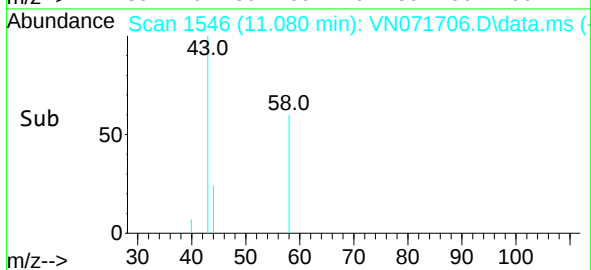
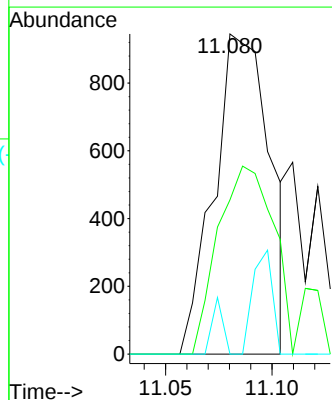
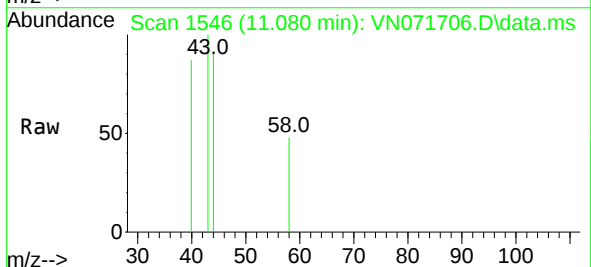
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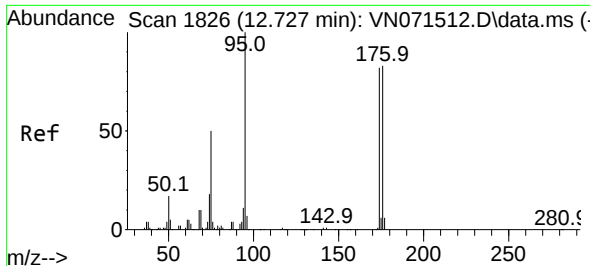
Tgt Ion:117 Resp: 404305
Ion Ratio Lower Upper
117 100
82 55.3 43.6 65.4
119 32.5 25.8 38.6



#59
2-Hexanone
Concen: 0.308 ug/l
RT: 11.080 min Scan# 1546
Delta R.T. -0.000 min
Lab File: VN071706.D
Acq: 31 Mar 2022 16:01

Tgt Ion: 43 Resp: 1728
Ion Ratio Lower Upper
43 100
58 58.0 42.2 63.2
57 0.0 15.0 22.4#

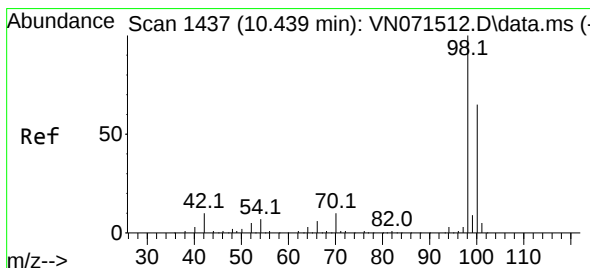
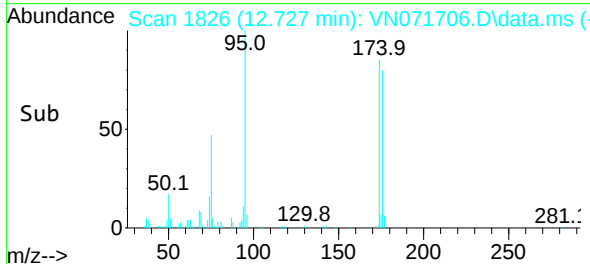
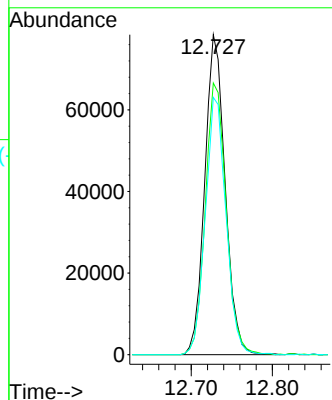
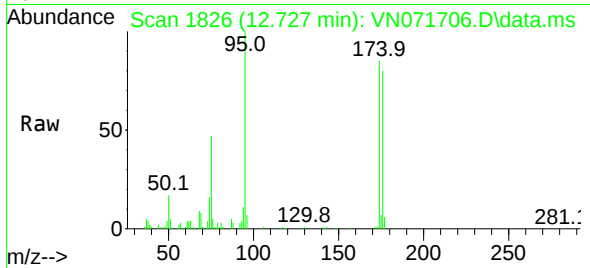




#60
4-Bromofluorobenzene
Concen: 22.718 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN071706.D
Acq: 31 Mar 2022 16:01

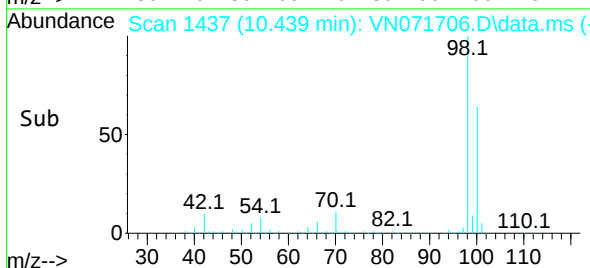
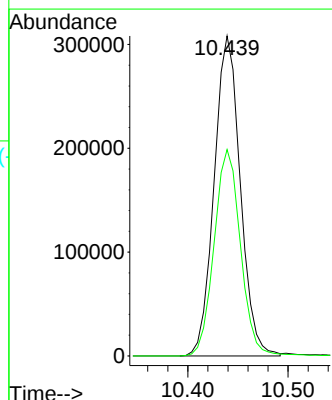
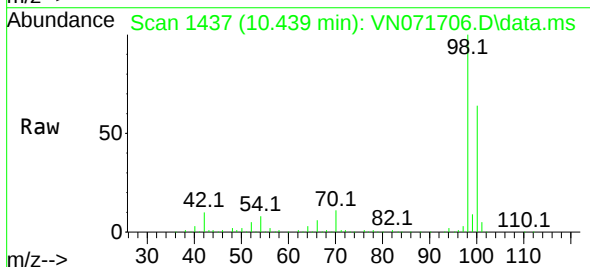
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TT-TB-20220329

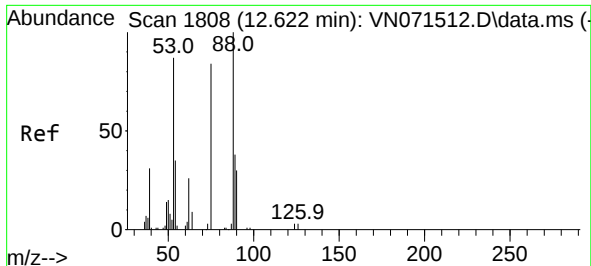
Tgt Ion: 95 Resp: 136192
Ion Ratio Lower Upper
95 100
174 87.3 62.9 94.3
176 81.6 61.0 91.4



#63
Toluene-d8
Concen: 30.423 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VN071706.D
Acq: 31 Mar 2022 16:01

Tgt Ion: 98 Resp: 558354
Ion Ratio Lower Upper
98 100
100 65.1 50.6 76.0

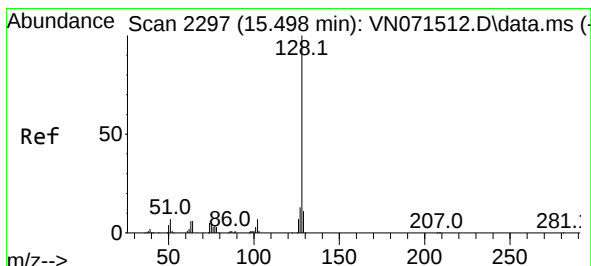
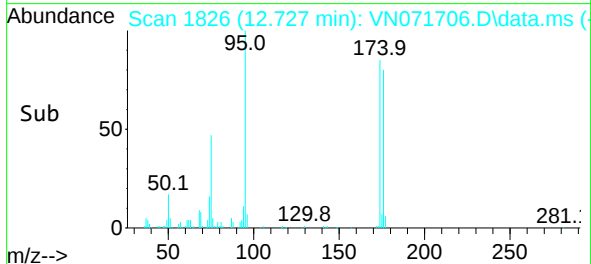
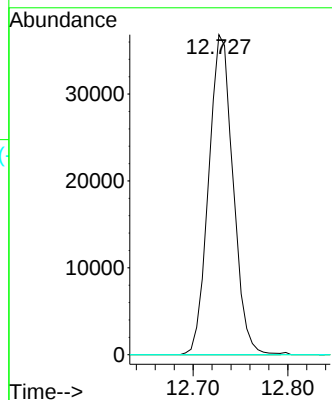
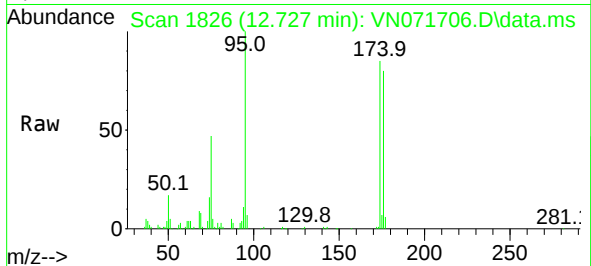




#77
t-1,4-Dichloro-2-butene
Concen: 26.023 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN071706.D
Acq: 31 Mar 2022 16:01

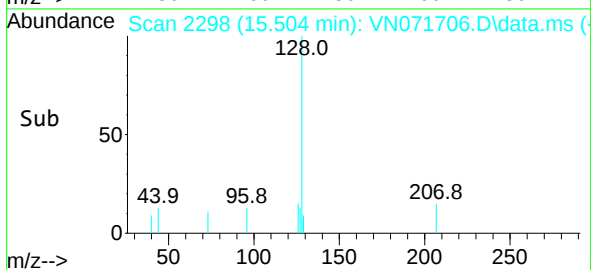
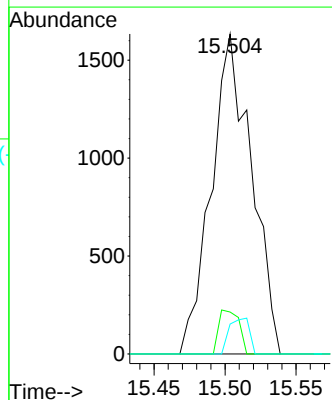
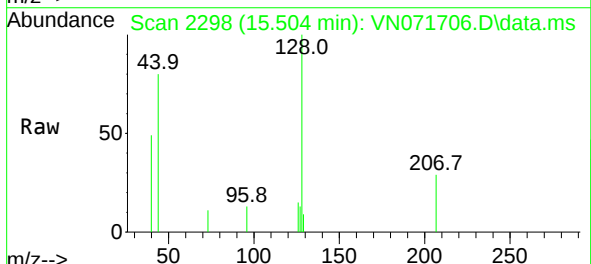
Instrument :
MSVOA_N
ClientSampleId :
TT-TB-20220329

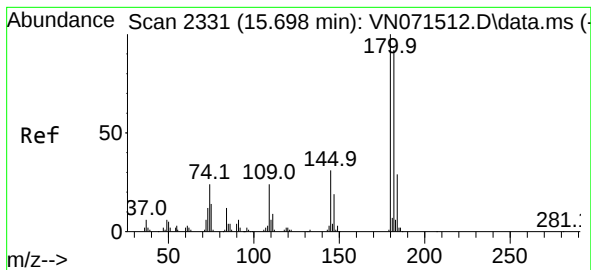
Tgt Ion: 75 Resp: 66055
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.5#
89 0.0 22.9 68.7#



#91
Naphthalene
Concen: 7.057 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VN071706.D
Acq: 31 Mar 2022 16:01

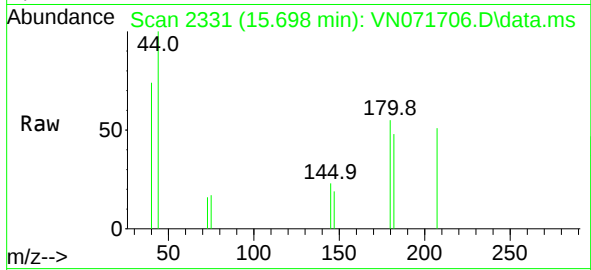
Tgt Ion: 128 Resp: 3213
Ion Ratio Lower Upper
128 100
127 6.9 10.7 16.1#
129 5.6 9.0 13.6#





#92
 1,2,3-Trichlorobenzene
 Concen: 0.219 ug/l
 RT: 15.698 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN071706.D
 Acq: 31 Mar 2022 16:01

Instrument :
 MSVOA_N
 ClientSampleId :
 TT-TB-20220329



Tgt Ion:	180	Resp:	991
Ion	Ratio	Lower	Upper
180	100		
182	100.4	0.0	190.0
145	16.1	0.0	67.8

