

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032322\
 Data File : VN071506.D
 Acq On : 23 Mar 2022 16:16
 Operator : JC\MD
 Sample : N1996-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FT-TOTTEN-MW-01-GW

Quant Time: Mar 23 16:52:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N031722W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 17 06:37:08 2022
 Response via : Initial Calibration

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

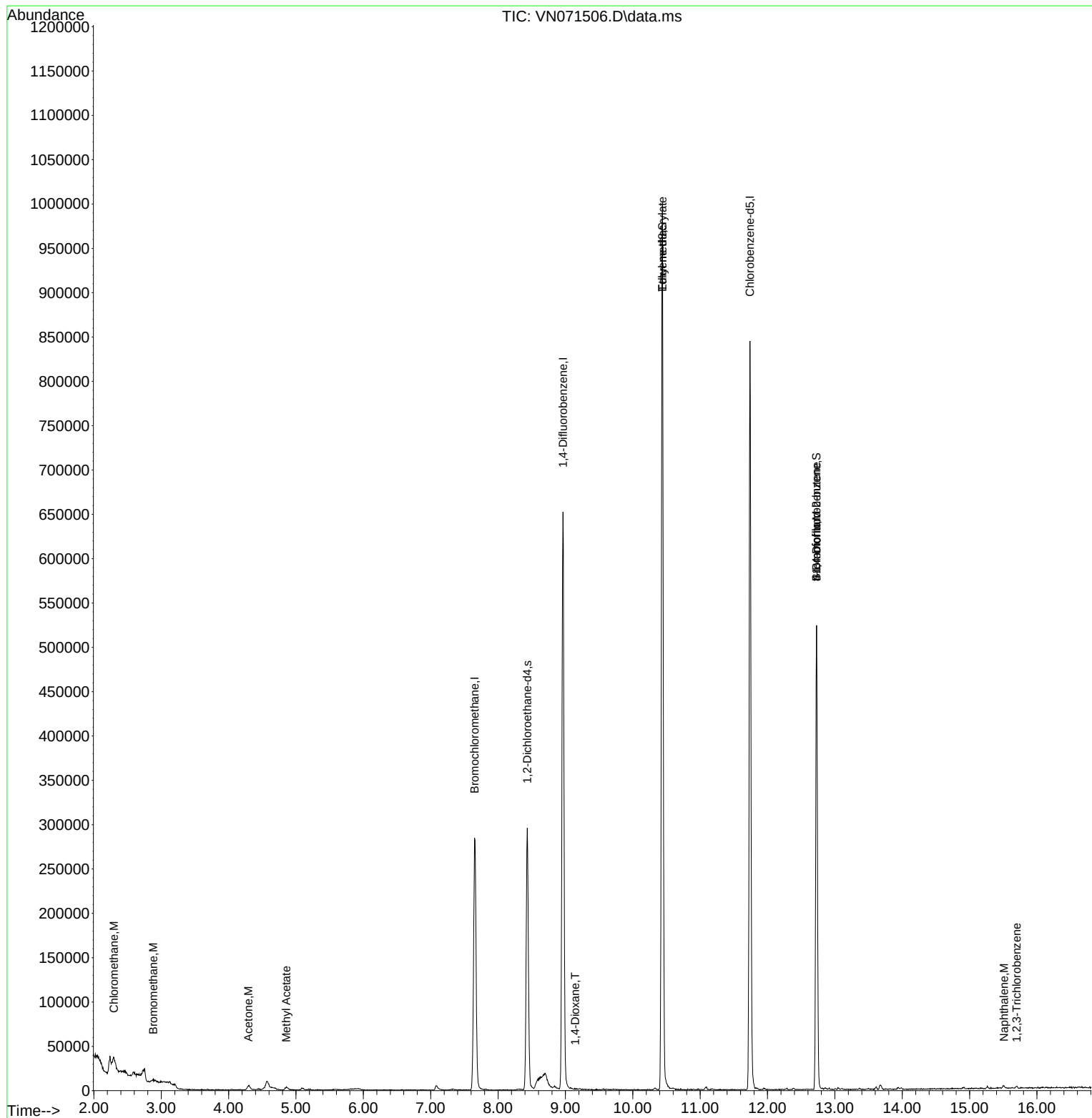
Internal Standards						
1) Bromochloromethane	7.651	128	114463	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	599801	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	519875	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.433	65	241301	26.552	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	88.500%#
60) 4-Bromofluorobenzene	12.727	95	189951	23.650	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	78.833%
63) Toluene-d8	10.439	98	720010	30.107	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.367%
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	2732	0.277	ug/l #	86
5) Bromomethane	2.881	94	2079	0.457	ug/l	93
12) Methyl Acetate	4.857	43	3327	0.266	ug/l #	63
15) Acetone	4.292	58	1331	0.970	ug/l #	54
45) 1,4-Dioxane	9.145	88	113	0.594	ug/l #	1
51) Ethyl methacrylate	10.439	69	2655	0.212	ug/l #	70
56) Bromoform	12.727	173	1335	0.228	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.727	75	94136	28.771	ug/l #	8
91) Naphthalene	15.509	128	3837	0.228	ug/l #	82
92) 1,2,3-Trichlorobenzene	15.698	180	1210	0.219	ug/l	87

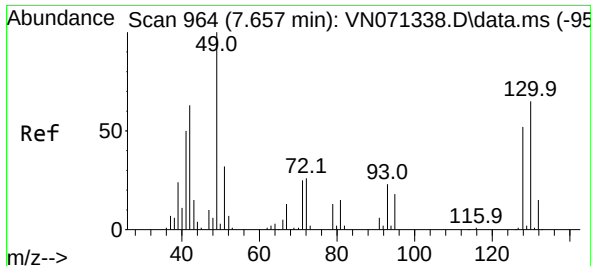
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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FT-TOTTEN-MW-01-GW

Quant Time: Mar 23 16:52:57 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N031722W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Mar 17 06:37:08 2022
Response via : Initial Calibration

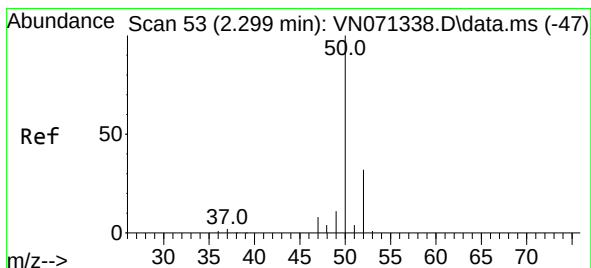
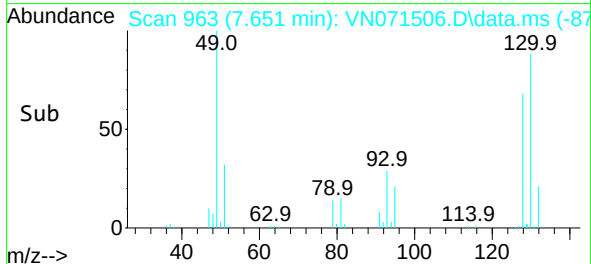
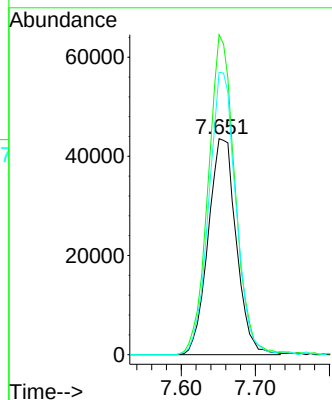
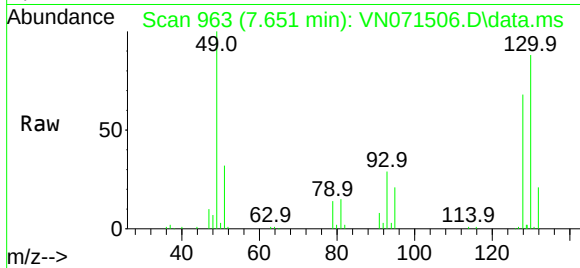




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.651 min Scan# 90
Delta R.T. -0.006 min
Lab File: VN071506.D
Acq: 23 Mar 2022 16:16

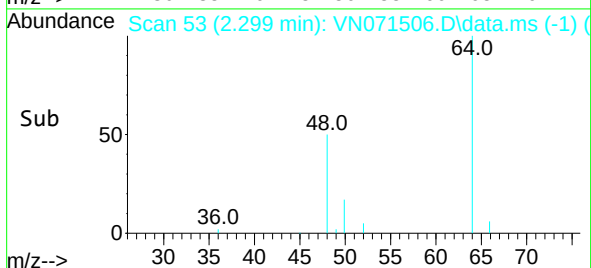
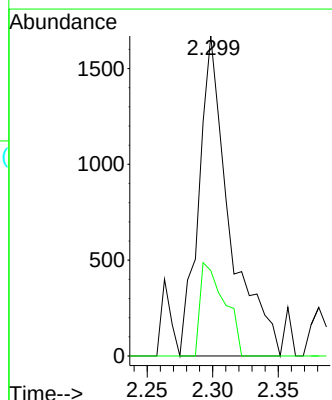
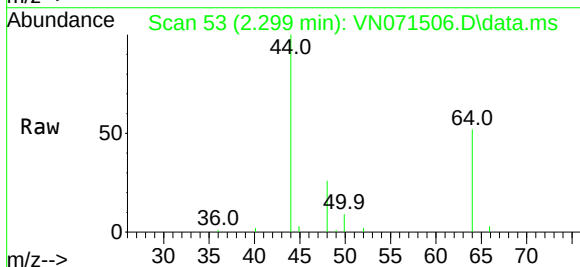
Instrument :
MSVOA_N
ClientSampleId :
FT-TOTTEN-MW-01-GW

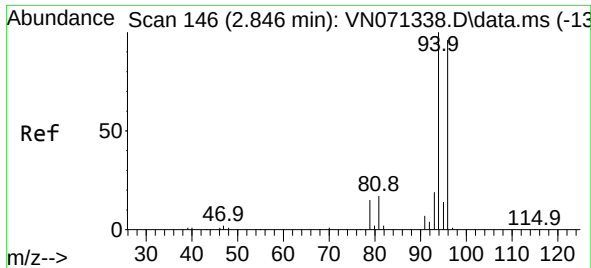
Tgt Ion:128 Resp: 114463
Ion Ratio Lower Upper
128 100
49 141.0 0.0 392.3
130 126.3 0.0 320.2



#3
Chloromethane
Concen: 0.277 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071506.D
Acq: 23 Mar 2022 16:16

Tgt Ion: 50 Resp: 2732
Ion Ratio Lower Upper
50 100
52 26.7 27.8 41.6#

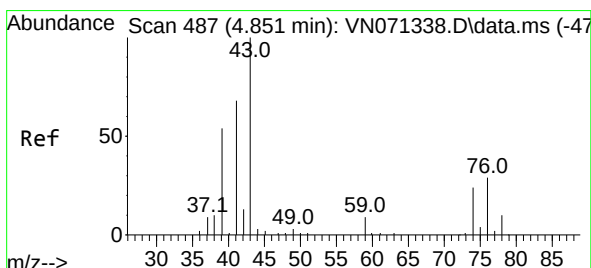
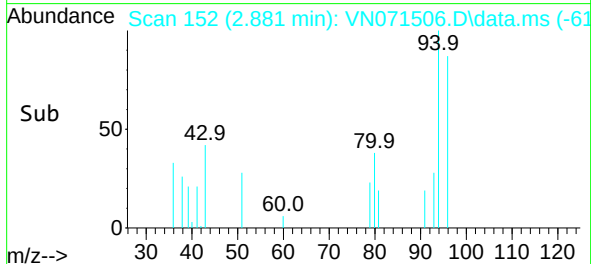
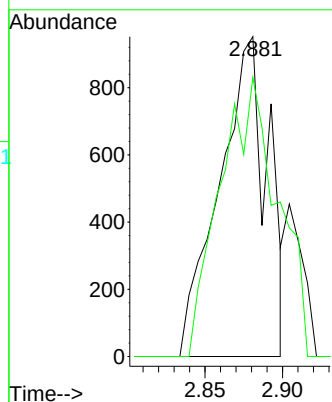
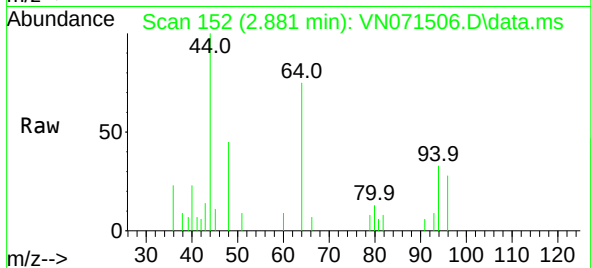




#5
Bromomethane
Concen: 0.457 ug/l
RT: 2.881 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN071506.D
Acq: 23 Mar 2022 16:16

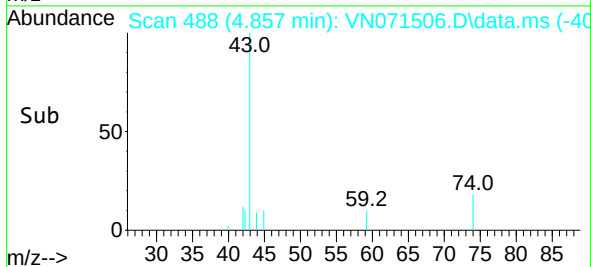
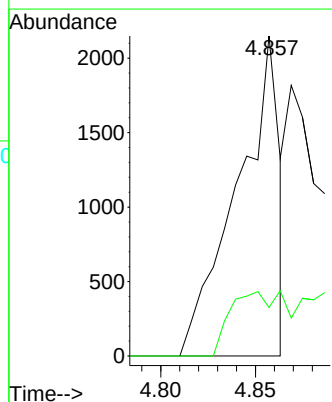
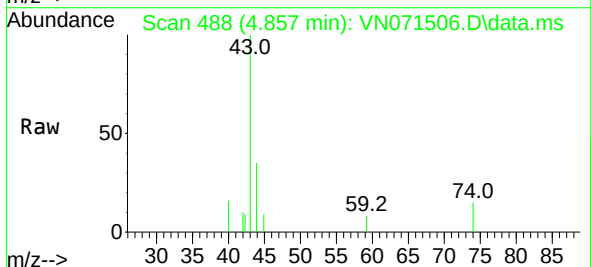
Instrument :
MSVOA_N
ClientSampleId :
FT-TOTTEN-MW-01-GW

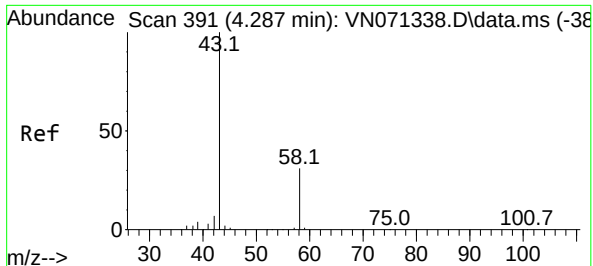
Tgt Ion: 94 Resp: 2079
Ion Ratio Lower Upper
94 100
96 87.2 75.2 112.8



#12
Methyl Acetate
Concen: 0.266 ug/l
RT: 4.857 min Scan# 488
Delta R.T. 0.006 min
Lab File: VN071506.D
Acq: 23 Mar 2022 16:16

Tgt Ion: 43 Resp: 3327
Ion Ratio Lower Upper
43 100
74 7.2 20.8 31.2#

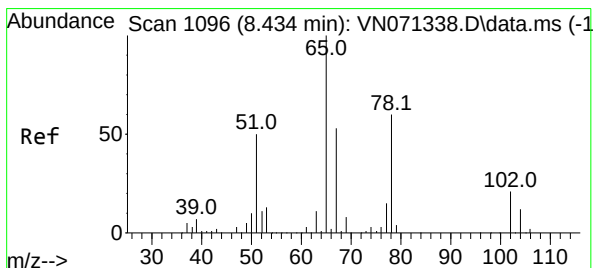
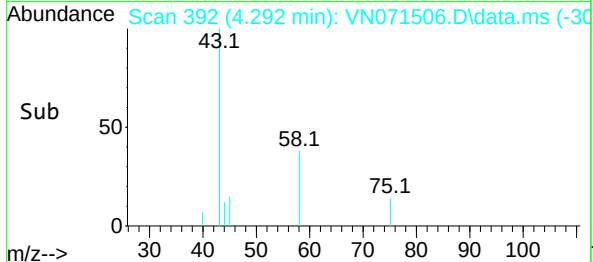
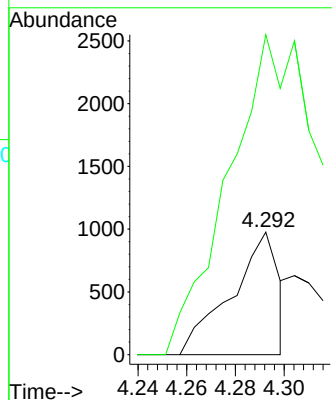
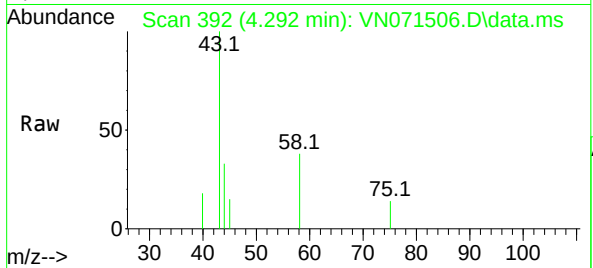




#15
Acetone
Concen: 0.970 ug/l
RT: 4.292 min Scan# 391
Delta R.T. 0.006 min
Lab File: VN071506.D
Acq: 23 Mar 2022 16:16

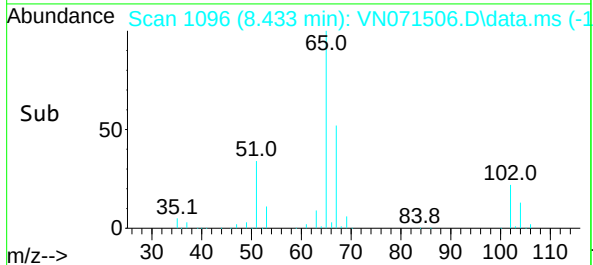
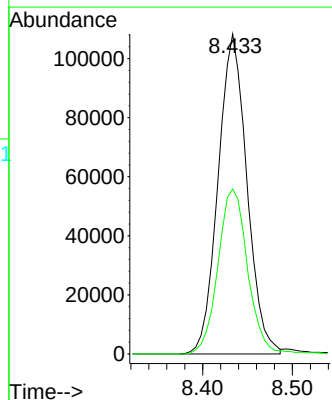
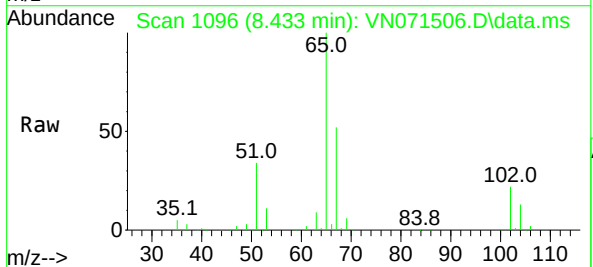
Instrument :
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ClientSampleId :
FT-TOTTEN-MW-01-GW

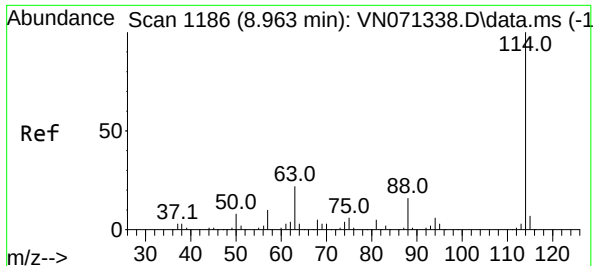
Tgt Ion: 58 Resp: 1331
Ion Ratio Lower Upper
58 100
43 226.8 256.6 384.8#



#27
1,2-Dichloroethane-d4
Concen: 26.552 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN071506.D
Acq: 23 Mar 2022 16:16

Tgt Ion: 65 Resp: 241301
Ion Ratio Lower Upper
65 100
67 53.1 40.2 60.2

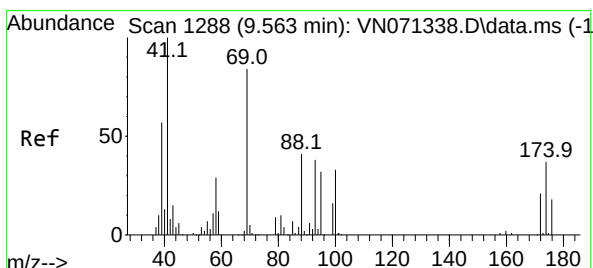
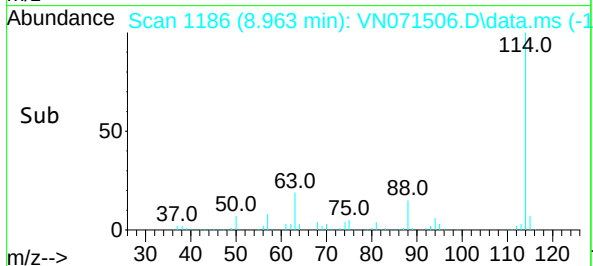
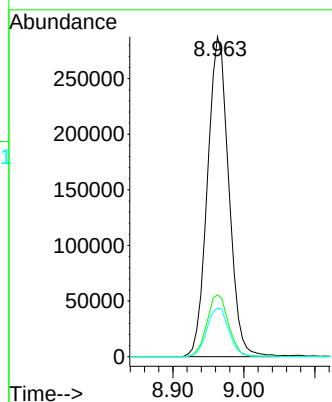
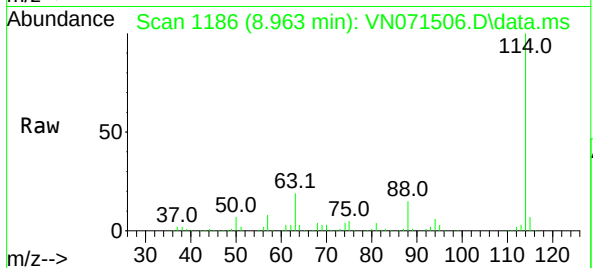




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071506.D
Acq: 23 Mar 2022 16:16

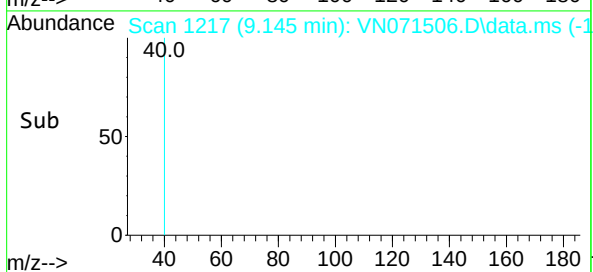
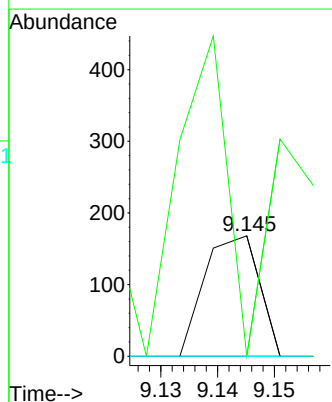
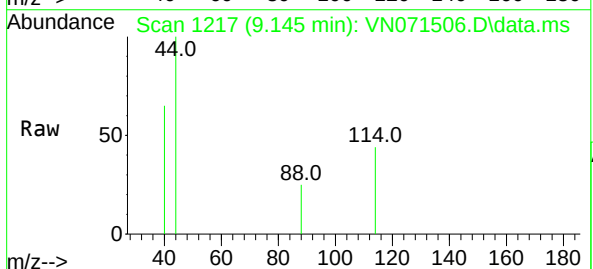
Instrument :
MSVOA_N
ClientSampleId :
FT-TOTTEN-MW-01-GW

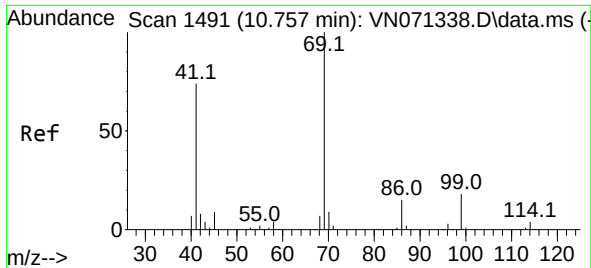
Tgt Ion:114 Resp: 599801
Ion Ratio Lower Upper
114 100
63 19.6 15.8 23.6
88 15.7 11.6 17.4



#45
1,4-Dioxane
Concen: 0.594 ug/l
RT: 9.145 min Scan# 1217
Delta R.T. -0.418 min
Lab File: VN071506.D
Acq: 23 Mar 2022 16:16

Tgt Ion: 88 Resp: 113
Ion Ratio Lower Upper
88 100
43 227.4 25.0 37.6#
58 0.0 49.4 74.2#

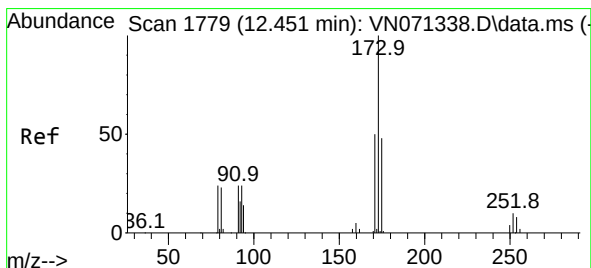
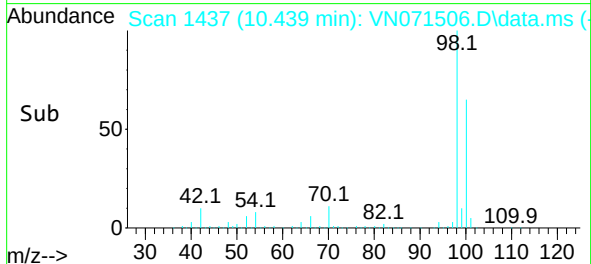
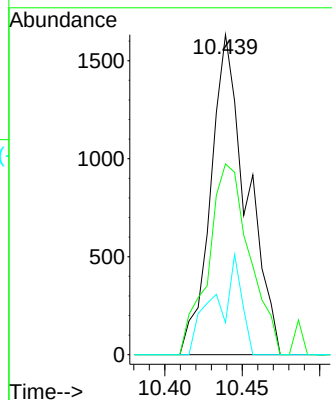
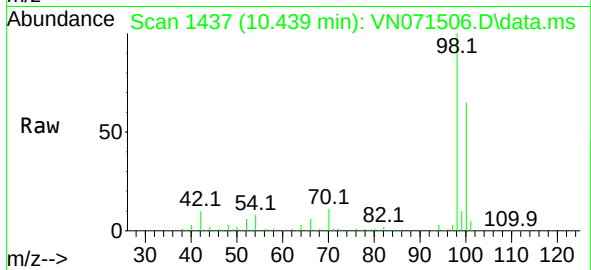




#51
Ethyl methacrylate
Concen: 0.212 ug/l
RT: 10.439 min Scan# 1491
Delta R.T. -0.318 min
Lab File: VN071506.D
Acq: 23 Mar 2022 16:16

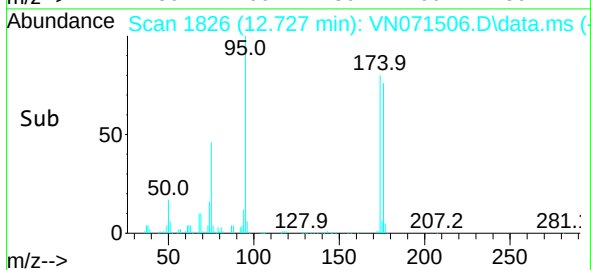
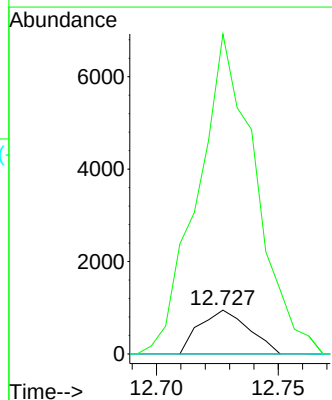
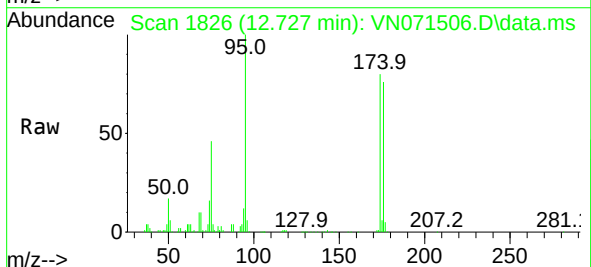
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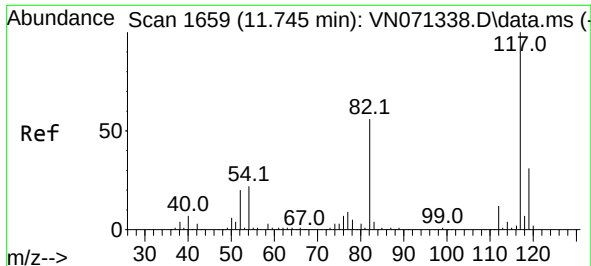
Tgt Ion: 69 Resp: 2655
Ion Ratio Lower Upper
69 100
41 59.6 33.0 98.9
39 10.0 25.4 76.4#



#56
Bromoform
Concen: 0.228 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.276 min
Lab File: VN071506.D
Acq: 23 Mar 2022 16:16

Tgt Ion:173 Resp: 1335
Ion Ratio Lower Upper
173 100
175 857.9 38.6 58.0#
254 0.0 0.0 0.0





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.739 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN071506.D

Acq: 23 Mar 2022 16:16

Instrument :

MSVOA_N

ClientSampleId :

FT-TOTTEN-MW-01-GW

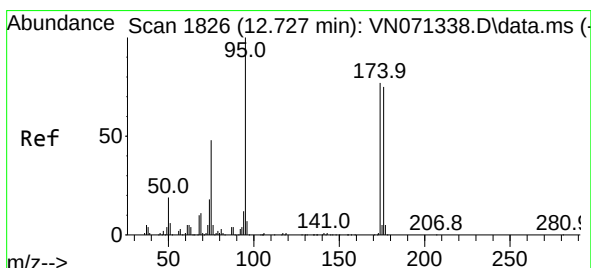
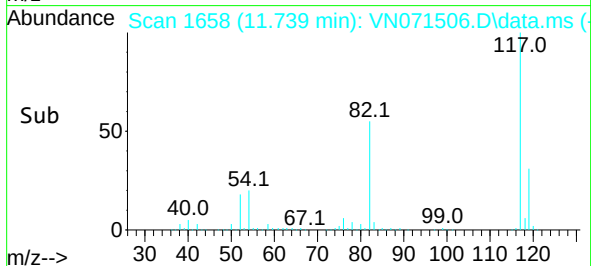
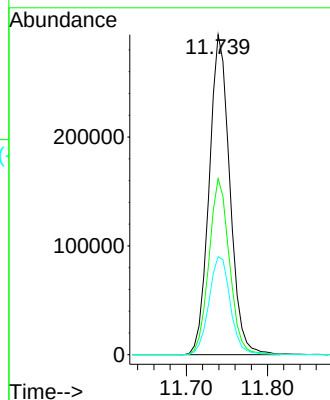
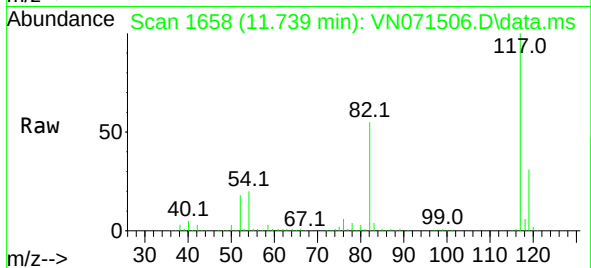
Tgt Ion:117 Resp: 519875

Ion Ratio Lower Upper

117 100

82 54.4 43.6 65.4

119 31.7 25.8 38.6



#60

4-Bromofluorobenzene

Concen: 23.650 ug/l

RT: 12.727 min Scan# 1826

Delta R.T. -0.000 min

Lab File: VN071506.D

Acq: 23 Mar 2022 16:16

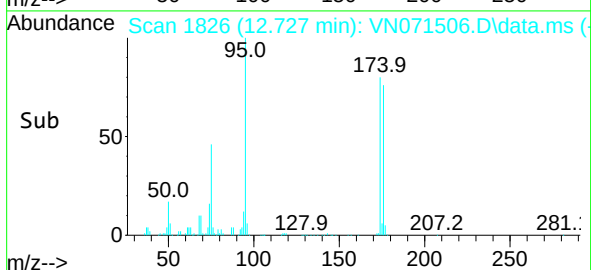
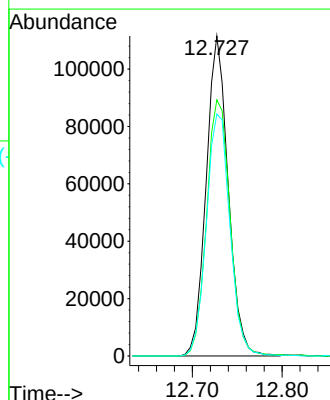
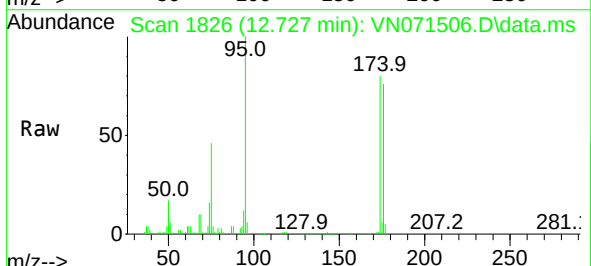
Tgt Ion: 95 Resp: 189951

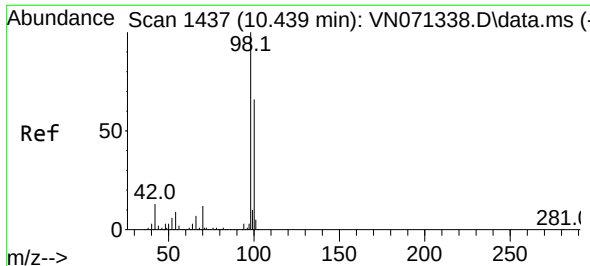
Ion Ratio Lower Upper

95 100

174 85.2 62.9 94.3

176 80.9 61.0 91.4

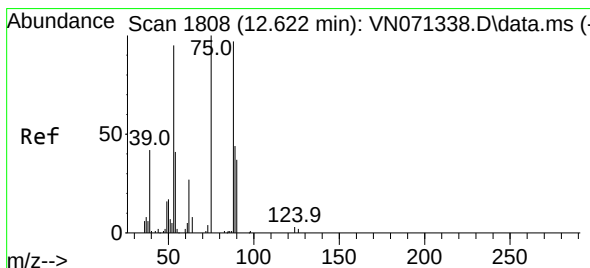
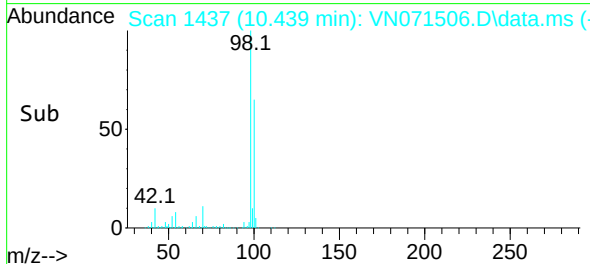
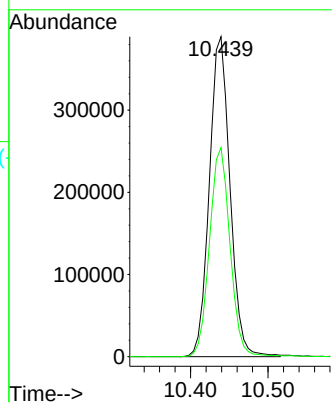
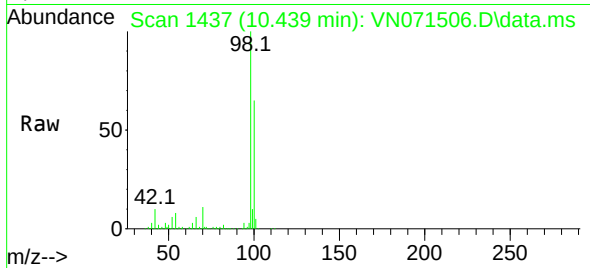




#63
Toluene-d8
Concen: 30.107 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VN071506.D
Acq: 23 Mar 2022 16:16

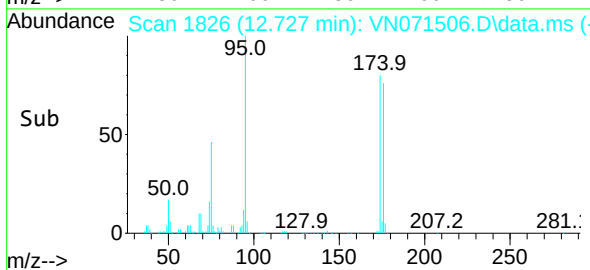
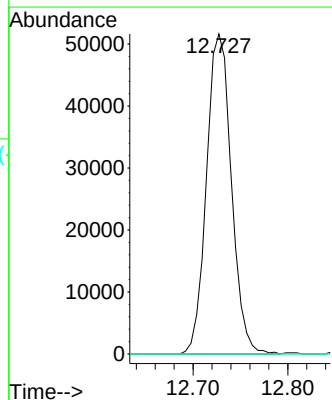
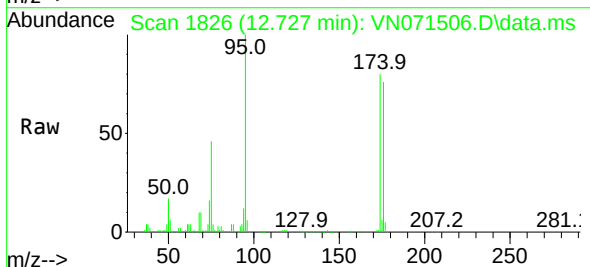
Instrument :
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FT-TOTTEN-MW-01-GW

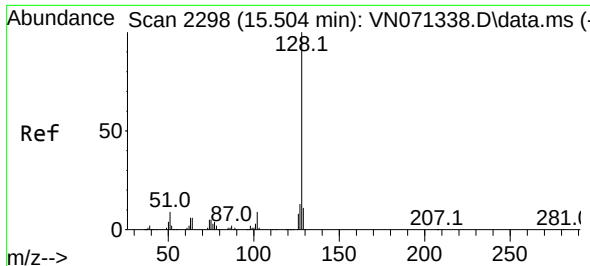
Tgt Ion: 98 Resp: 720010
Ion Ratio Lower Upper
98 100
100 64.9 50.6 76.0



#77
t-1,4-Dichloro-2-butene
Concen: 28.771 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071506.D
Acq: 23 Mar 2022 16:16

Tgt Ion: 75 Resp: 94136
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.5#
89 0.0 22.9 68.7#

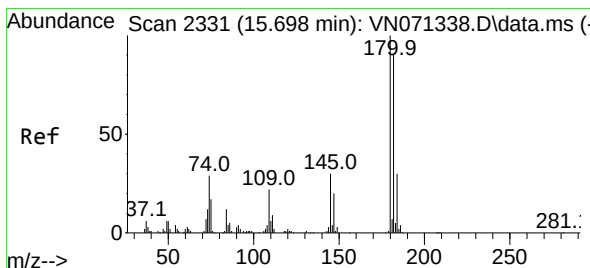
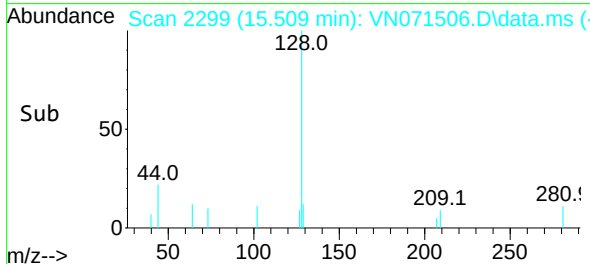
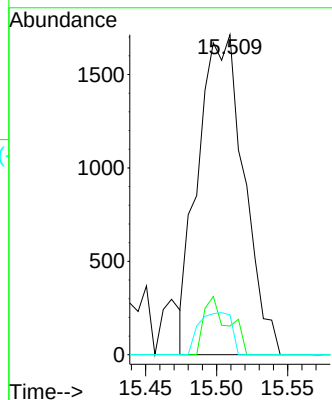
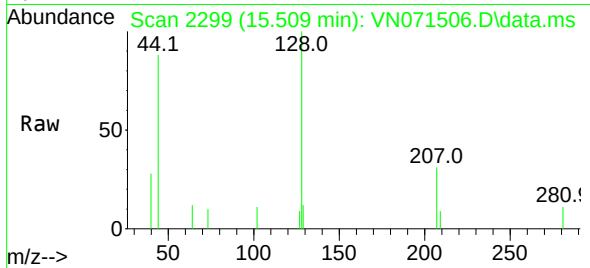




#91
Naphthalene
Concen: 0.228 ug/l
RT: 15.509 min Scan# 2299
Delta R.T. 0.006 min
Lab File: VN071506.D
Acq: 23 Mar 2022 16:16

Instrument :
MSVOA_N
ClientSampleId :
FT-TOTTEN-MW-01-GW

Tgt Ion:128 Resp: 3837
Ion Ratio Lower Upper
128 100
127 1.7 10.7 16.1#
129 9.4 9.0 13.6



#92
1,2,3-Trichlorobenzene
Concen: 0.219 ug/l
RT: 15.698 min Scan# 2331
Delta R.T. -0.000 min
Lab File: VN071506.D
Acq: 23 Mar 2022 16:16

Tgt Ion:180 Resp: 1210
Ion Ratio Lower Upper
180 100
182 83.1 0.0 190.0
145 26.2 0.0 67.8

