

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041822\
 Data File : VN072035.D
 Acq On : 18 Apr 2022 15:10
 Operator : JC\MD
 Sample : N2433-01 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EFF-WW

Quant Time: Apr 19 01:19:30 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)

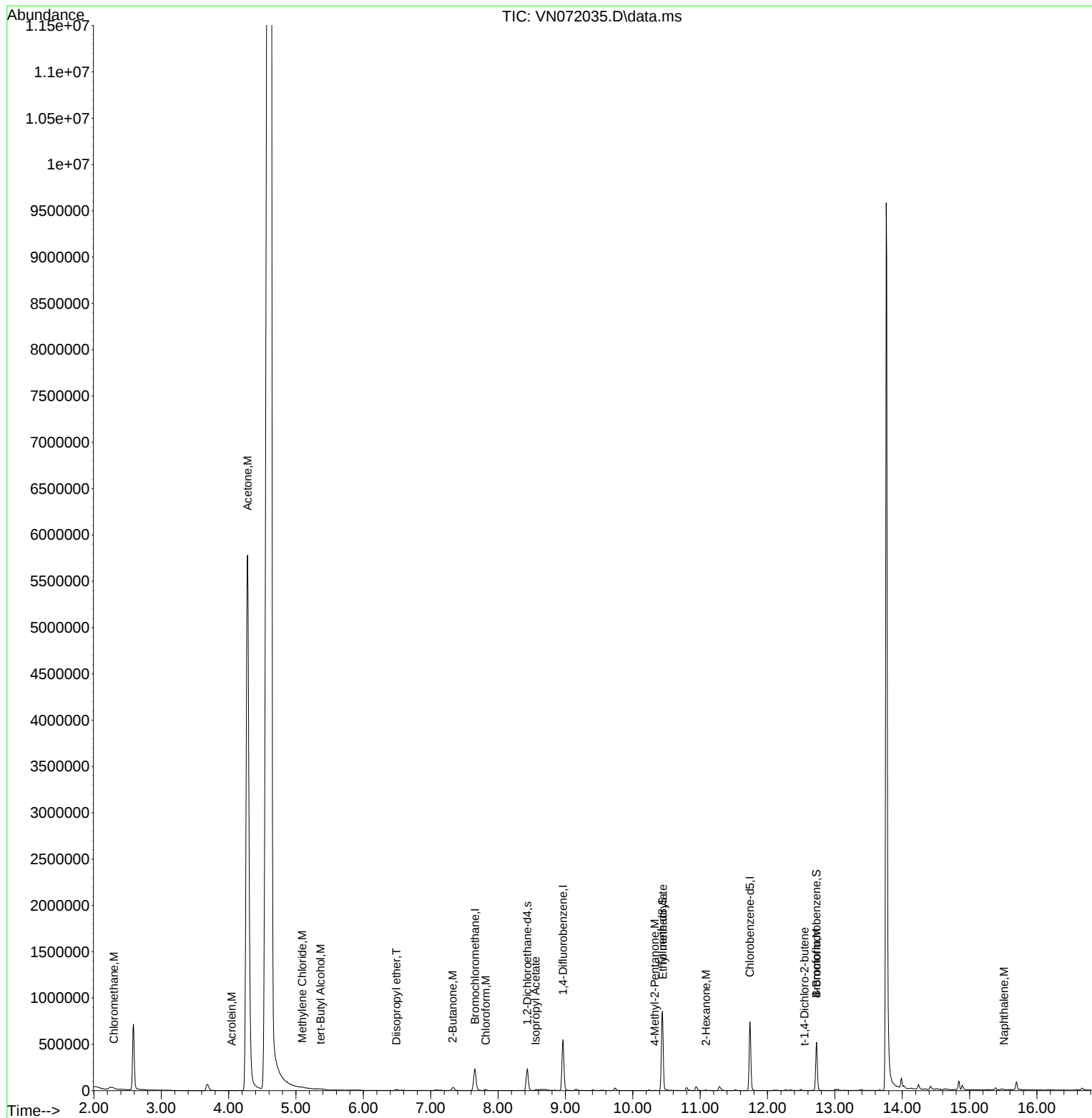
Internal Standards						
1) Bromochloromethane	7.657	128	93338	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	509338	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	461920	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.434	65	186446	28.352	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	94.500%
60) 4-Bromofluorobenzene	12.727	95	183283	26.760	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	89.200%
63) Toluene-d8	10.439	98	601833	28.702	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	95.667%
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	1382	0.202	ug/l	93
13) Acrolein	4.046	56	413	0.509	ug/l #	66
15) Acetone	4.281	58	4066641	4094.166	ug/l	71
18) Methylene Chloride	5.093	84	2433	0.375	ug/l	88
20) Diisopropyl ether	6.493	45	11533	0.628	ug/l #	91
23) tert-Butyl Alcohol	5.363	59	3320	2.696	ug/l #	100
25) Chloroform	7.816	83	10282	0.923	ug/l	91
30) 2-Butanone	7.328	43	54507	11.878	ug/l	96
44) Isopropyl Acetate	8.557	43	5073	0.355	ug/l #	85
51) Ethyl methacrylate	10.445	69	3146	0.314	ug/l #	1
56) Bromoform	12.727	173	1329	0.257	ug/l #	1
58) 4-Methyl-2-Pentanone	10.328	43	2237	0.255	ug/l #	91
59) 2-Hexanone	11.086	43	5311	0.830	ug/l	97
77) t-1,4-Dichloro-2-butene	12.551	75	791	0.273	ug/l #	8
91) Naphthalene	15.510	128	3400	7.044	ug/l #	86

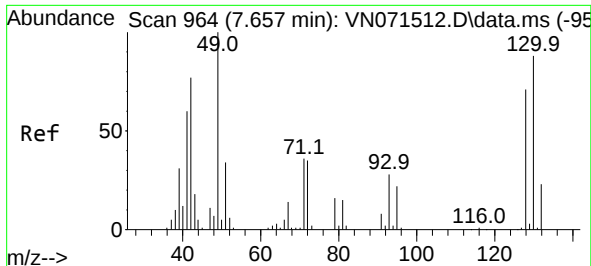
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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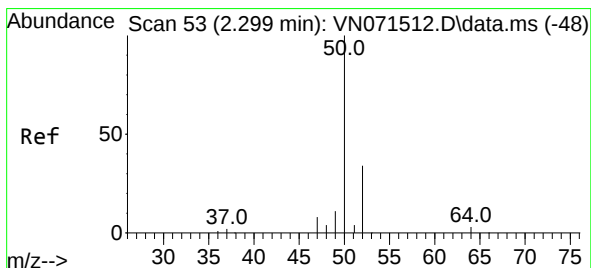
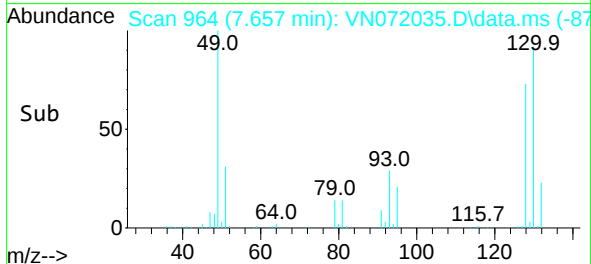
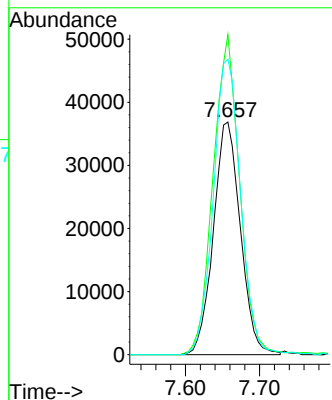
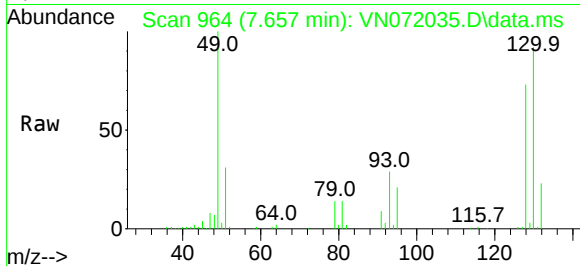




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.657 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN072035.D
Acq: 18 Apr 2022 15:10

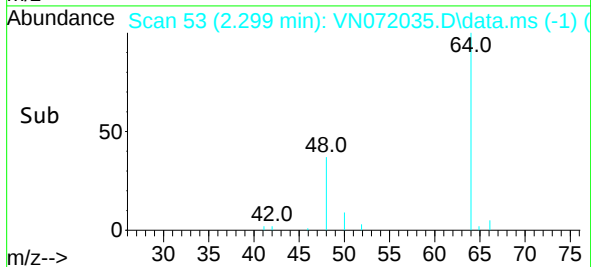
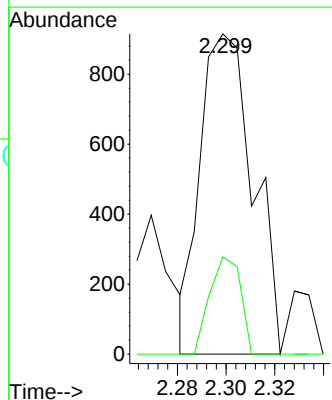
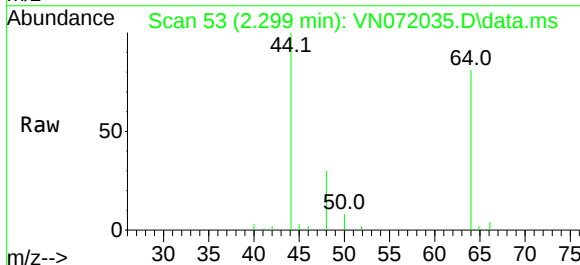
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

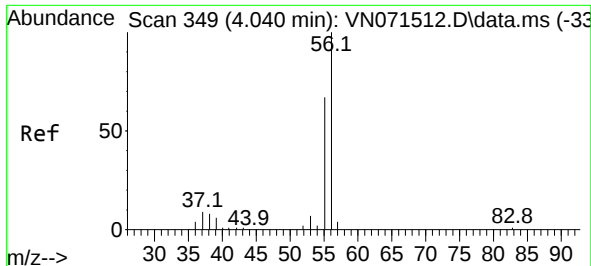
Tgt Ion	Ratio	Lower	Upper
128	100		
49	134.8	0.0	392.3
130	128.9	0.0	320.2



#3
Chloromethane
Concen: 0.202 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN072035.D
Acq: 18 Apr 2022 15:10

Tgt Ion	Ratio	Lower	Upper
50	100		
52	30.4	27.8	41.6

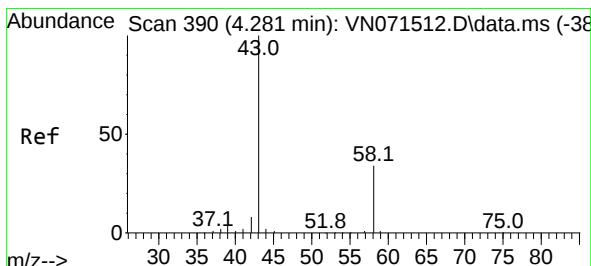
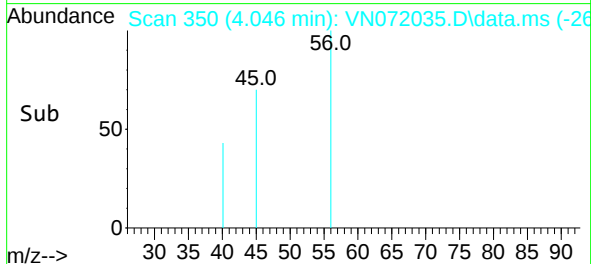
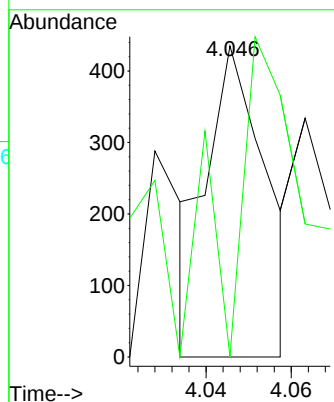
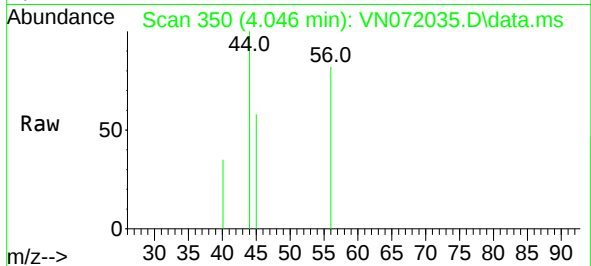




#13
Acrolein
Concen: 0.509 ug/l
RT: 4.046 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN072035.D
Acq: 18 Apr 2022 15:10

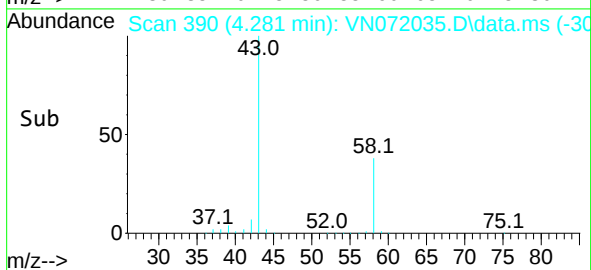
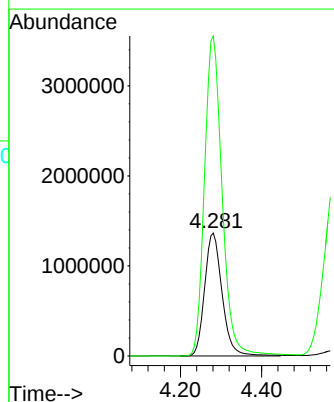
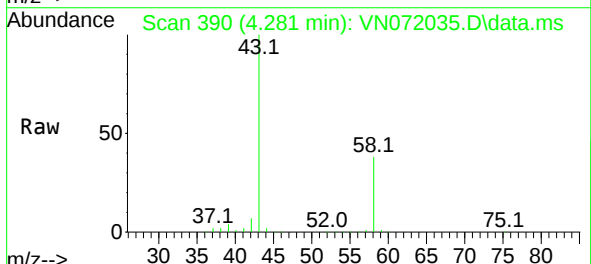
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

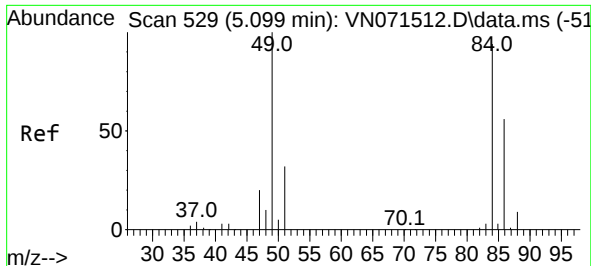
Tgt Ion: 56 Resp: 413
Ion Ratio Lower Upper
56 100
55 100.7 57.6 86.4#



#15
Acetone
Concen: 4094.166 ug/l
RT: 4.281 min Scan# 390
Delta R.T. -0.000 min
Lab File: VN072035.D
Acq: 18 Apr 2022 15:10

Tgt Ion: 58 Resp: 4066641
Ion Ratio Lower Upper
58 100
43 260.4 256.6 384.8



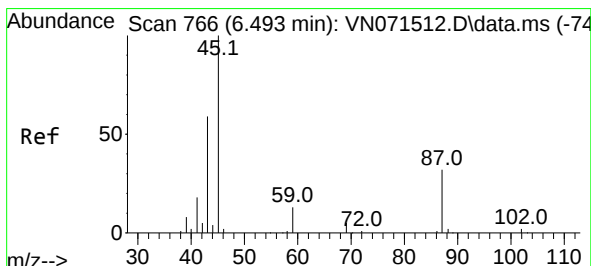
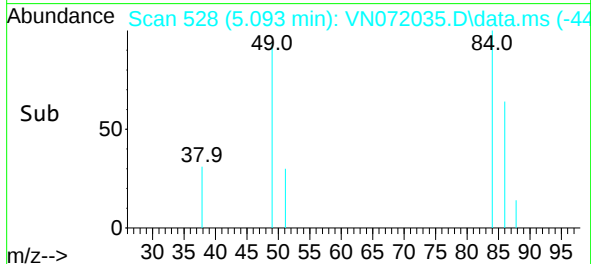
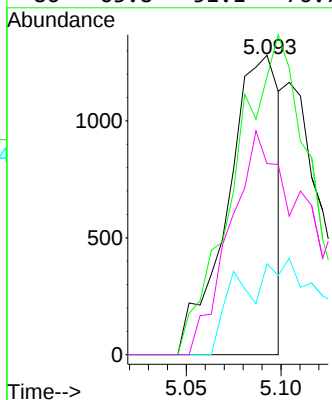
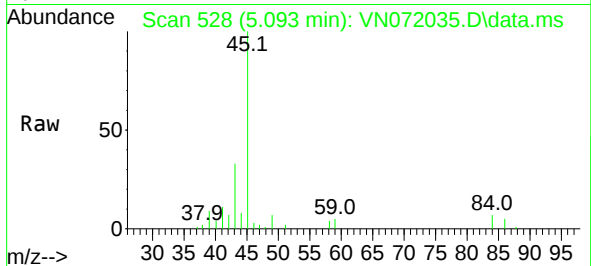


#18
Methylene Chloride
Concen: 0.375 ug/l
RT: 5.093 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN072035.D
Acq: 18 Apr 2022 15:10

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Tgt Ion: 84 Resp: 2433

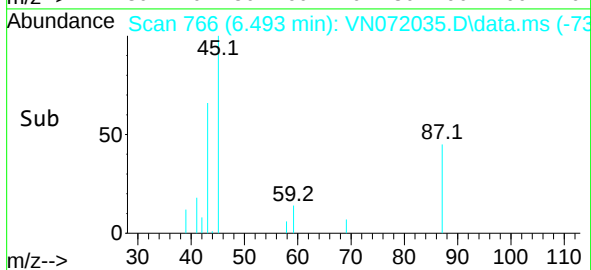
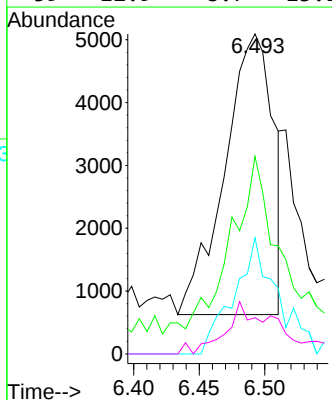
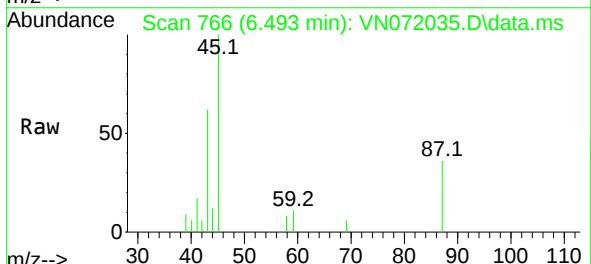
Ion	Ratio	Lower	Upper
84	100		
49	92.8	91.4	137.0
51	30.4	29.4	44.0
86	63.8	51.1	76.7

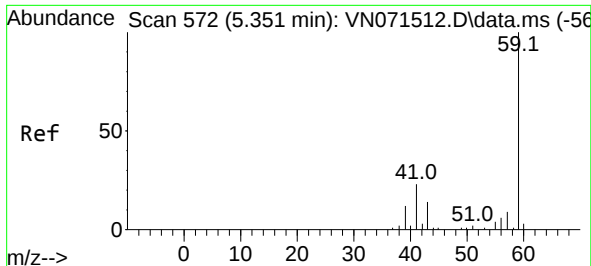


#20
Diisopropyl ether
Concen: 0.628 ug/l
RT: 6.493 min Scan# 766
Delta R.T. -0.000 min
Lab File: VN072035.D
Acq: 18 Apr 2022 15:10

Tgt Ion: 45 Resp: 11533

Ion	Ratio	Lower	Upper
45	100		
43	59.3	51.0	76.4
87	41.4	25.0	37.4#
59	12.9	8.7	13.1





#23

tert-Butyl Alcohol

Concen: 2.696 ug/l

RT: 5.363 min Scan# 51

Delta R.T. 0.012 min

Lab File: VN072035.D

Acq: 18 Apr 2022 15:10

Instrument :

MSVOA_N

ClientSampleId :

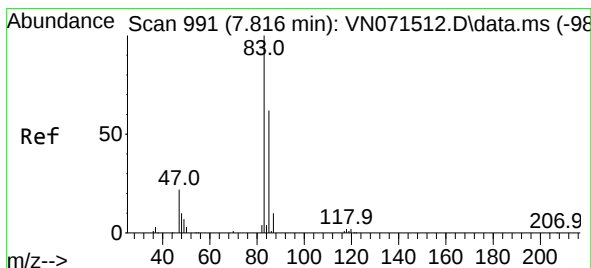
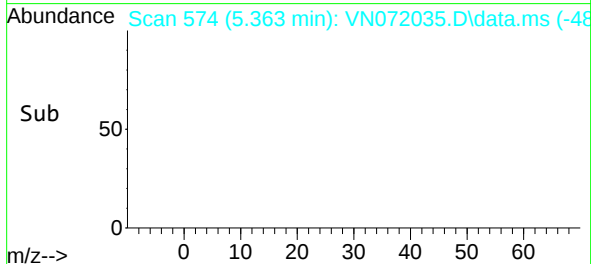
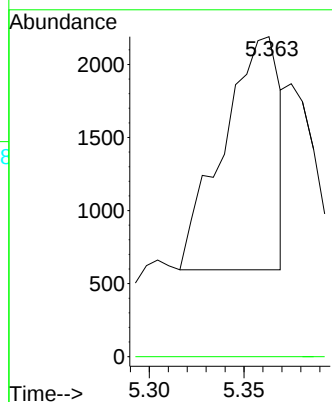
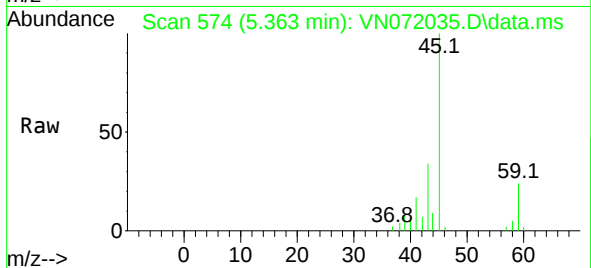
EFF-WW

Tgt Ion: 59 Resp: 3320

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



#25

Chloroform

Concen: 0.923 ug/l

RT: 7.816 min Scan# 991

Delta R.T. -0.000 min

Lab File: VN072035.D

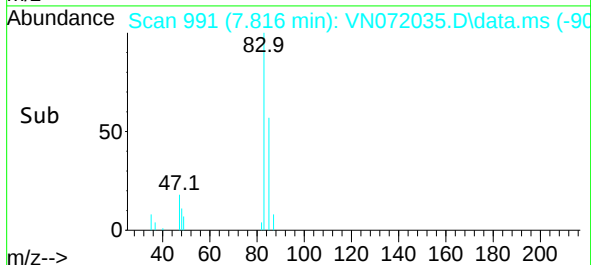
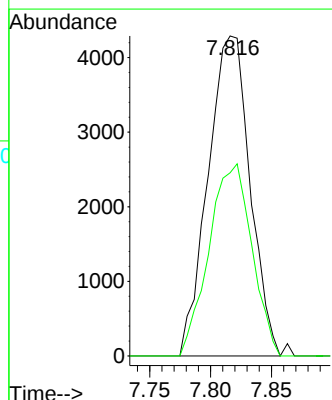
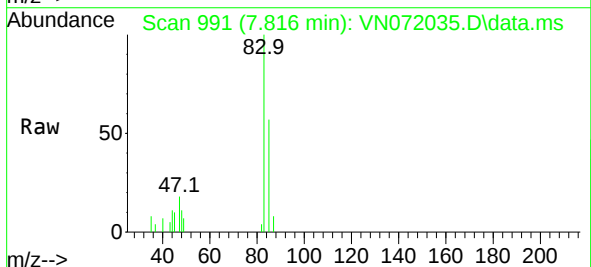
Acq: 18 Apr 2022 15:10

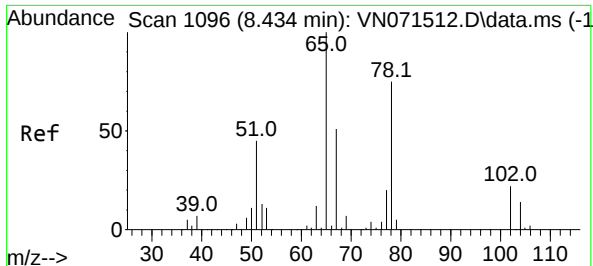
Tgt Ion: 83 Resp: 10282

Ion Ratio Lower Upper

83 100

85 57.3 51.3 76.9





#27

1,2-Dichloroethane-d4

Concen: 28.352 ug/l

RT: 8.434 min Scan# 1106

Delta R.T. -0.000 min

Lab File: VN072035.D

Acq: 18 Apr 2022 15:10

Instrument :

MSVOA_N

ClientSampleId :

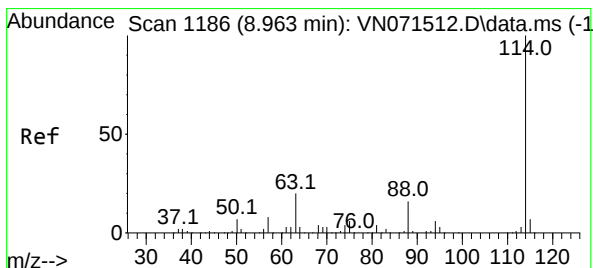
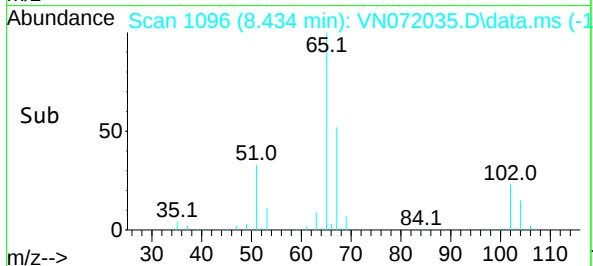
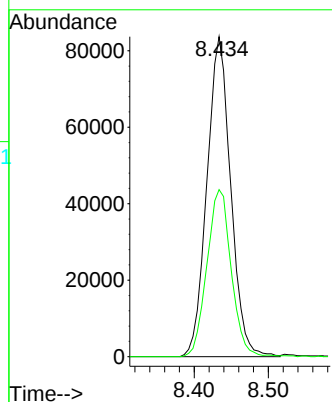
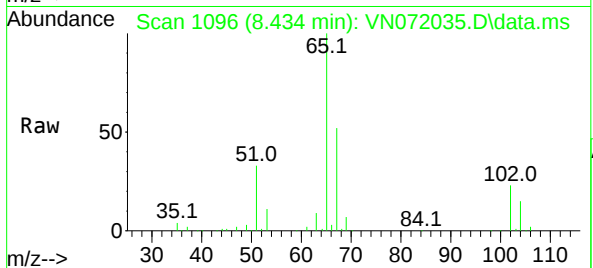
EFF-WW

Tgt Ion: 65 Resp: 186446

Ion Ratio Lower Upper

65 100

67 53.0 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: VN072035.D

Acq: 18 Apr 2022 15:10

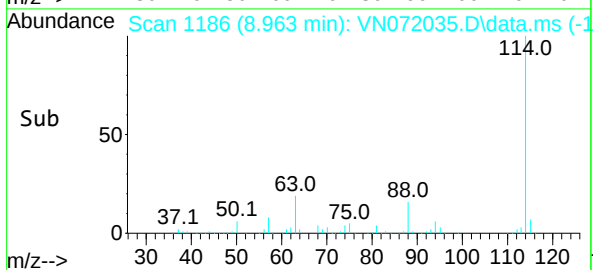
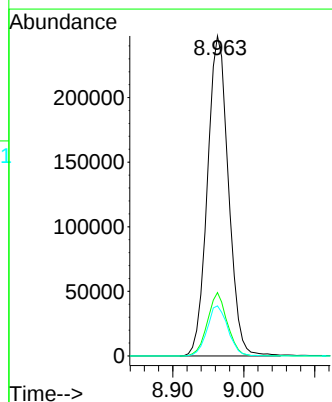
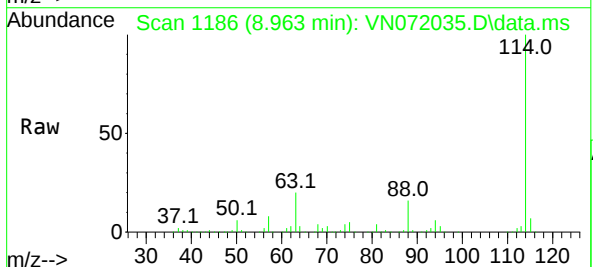
Tgt Ion: 114 Resp: 509338

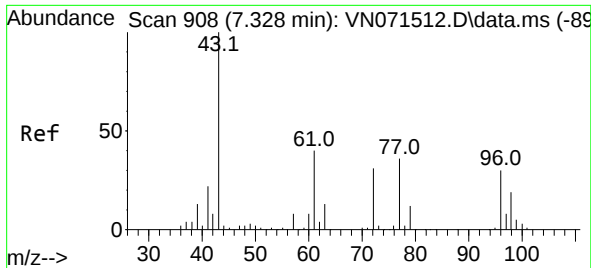
Ion Ratio Lower Upper

114 100

63 18.6 15.8 23.6

88 15.6 11.6 17.4

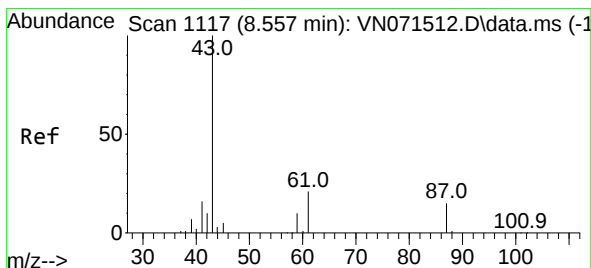
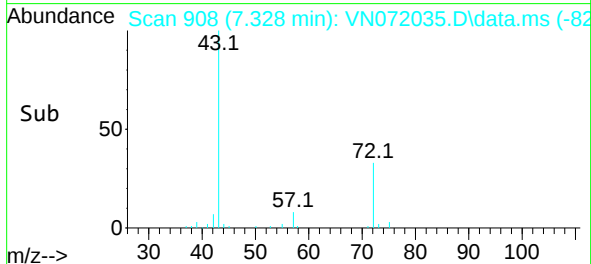
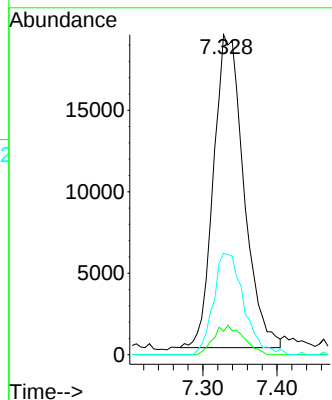
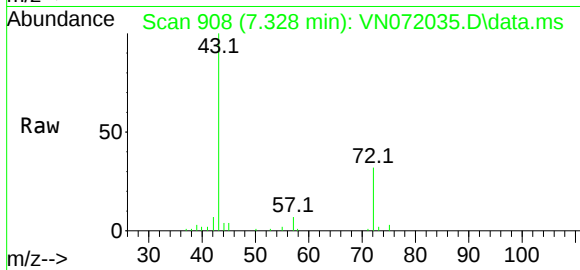




#30
2-Butanone
Concen: 11.878 ug/l
RT: 7.328 min Scan# 908
Delta R.T. -0.000 min
Lab File: VN072035.D
Acq: 18 Apr 2022 15:10

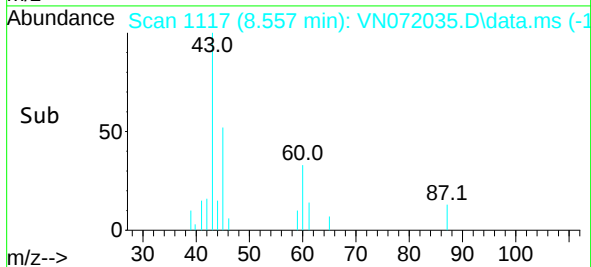
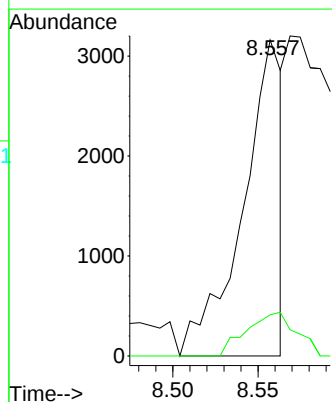
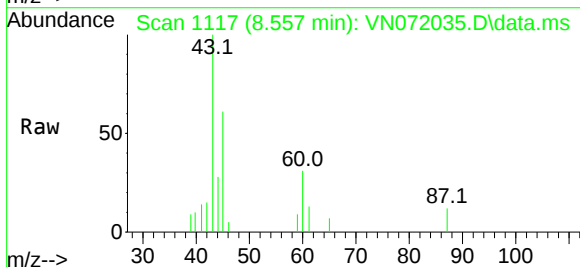
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MSVOA_N
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EFF-WW

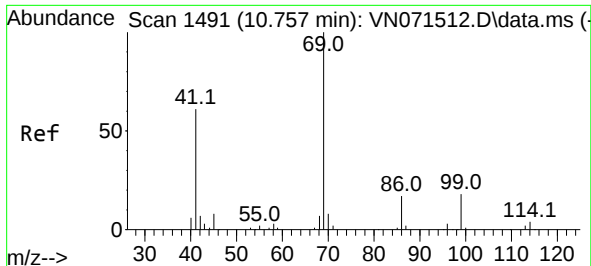
Tgt Ion: 43 Resp: 54507
Ion Ratio Lower Upper
43 100
57 9.1 6.7 10.1
72 31.5 23.2 34.8



#44
Isopropyl Acetate
Concen: 0.355 ug/l
RT: 8.557 min Scan# 1117
Delta R.T. -0.000 min
Lab File: VN072035.D
Acq: 18 Apr 2022 15:10

Tgt Ion: 43 Resp: 5073
Ion Ratio Lower Upper
43 100
61 17.4 20.1 30.1#

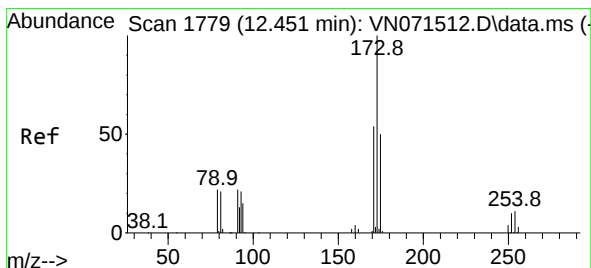
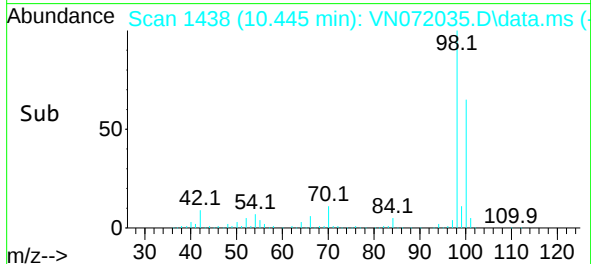
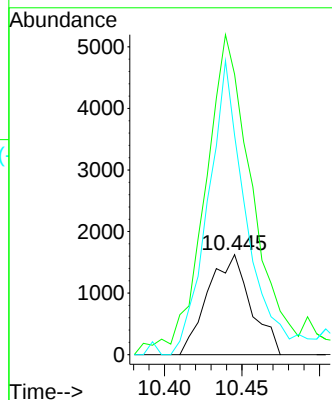
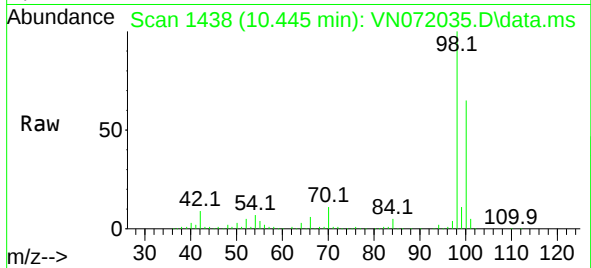




#51
Ethyl methacrylate
Concen: 0.314 ug/l
RT: 10.445 min Scan# 1491
Delta R.T. -0.312 min
Lab File: VN072035.D
Acq: 18 Apr 2022 15:10

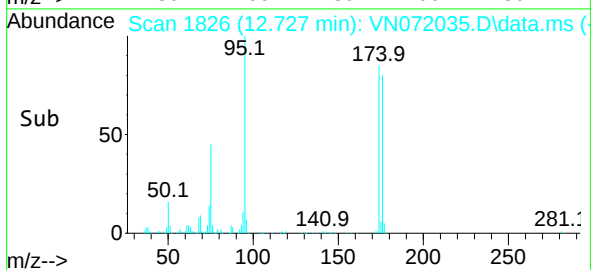
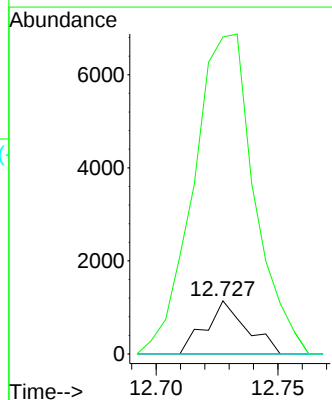
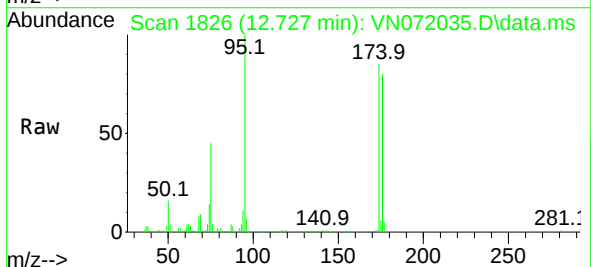
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

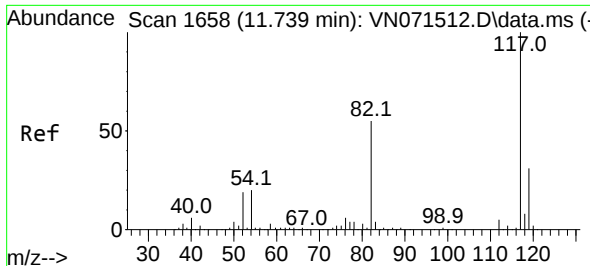
Tgt Ion: 69 Resp: 3146
Ion Ratio Lower Upper
69 100
41 240.1 33.0 98.9#
39 205.5 25.4 76.4#



#56
Bromoform
Concen: 0.257 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.276 min
Lab File: VN072035.D
Acq: 18 Apr 2022 15:10

Tgt Ion: 173 Resp: 1329
Ion Ratio Lower Upper
173 100
175 902.1 38.6 58.0#
254 0.0 0.0 0.0

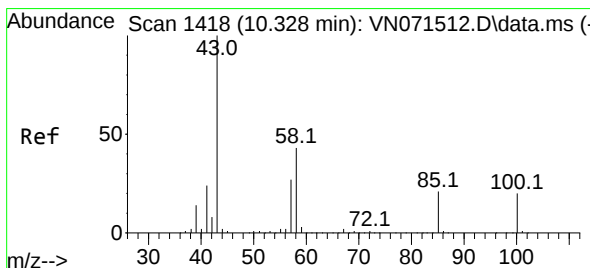
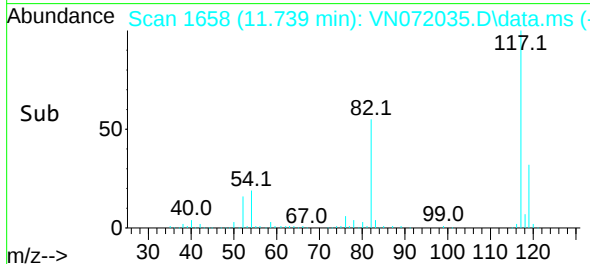
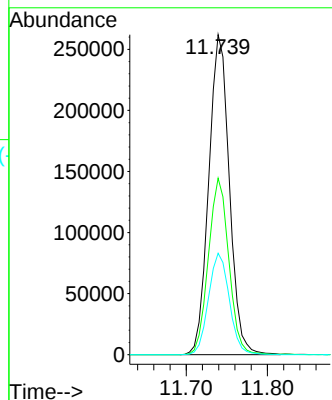
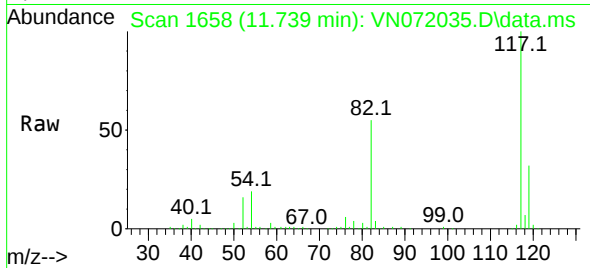




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN072035.D
Acq: 18 Apr 2022 15:10

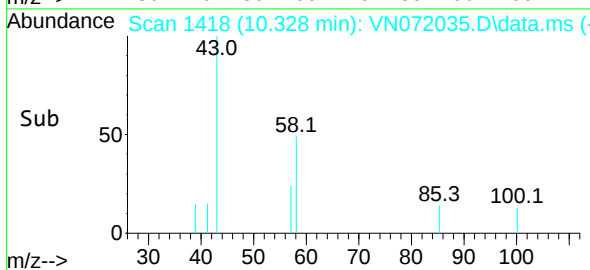
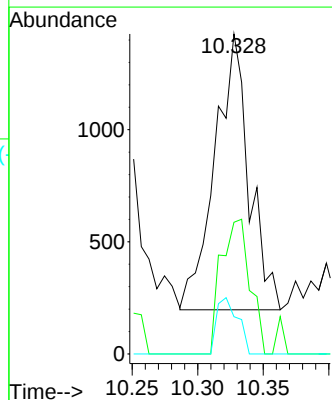
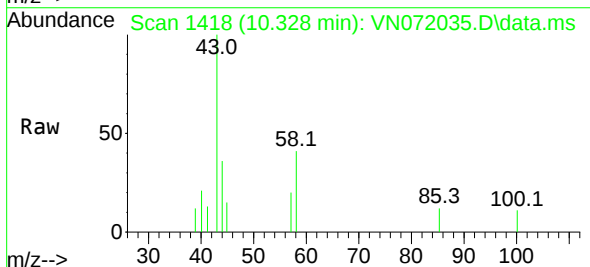
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

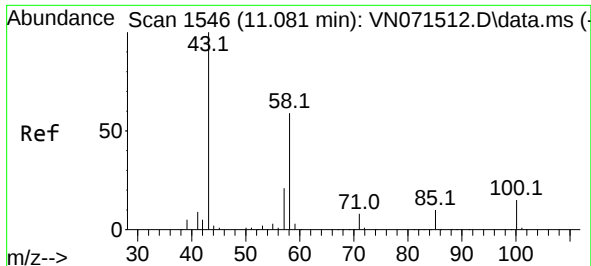
Tgt Ion:117 Resp: 461920
Ion Ratio Lower Upper
117 100
82 54.6 43.6 65.4
119 32.0 25.8 38.6



#58
4-Methyl-2-Pentanone
Concen: 0.255 ug/l
RT: 10.328 min Scan# 1418
Delta R.T. -0.000 min
Lab File: VN072035.D
Acq: 18 Apr 2022 15:10

Tgt Ion: 43 Resp: 2237
Ion Ratio Lower Upper
43 100
58 41.1 30.0 45.0
85 12.5 15.0 22.6#

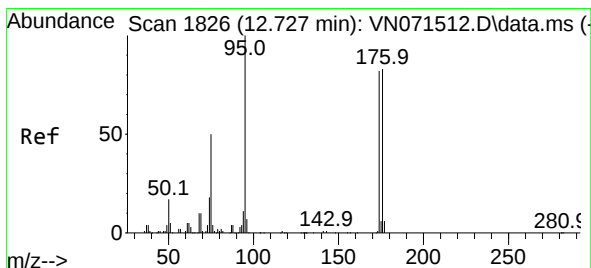
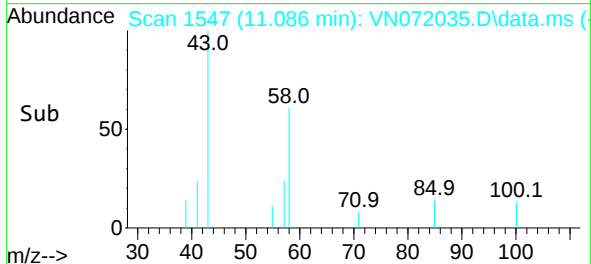
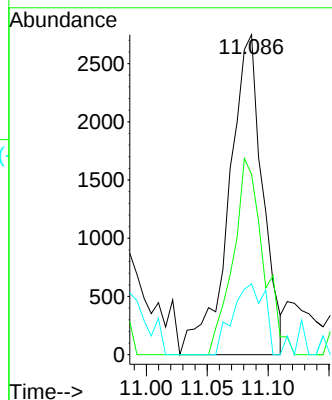
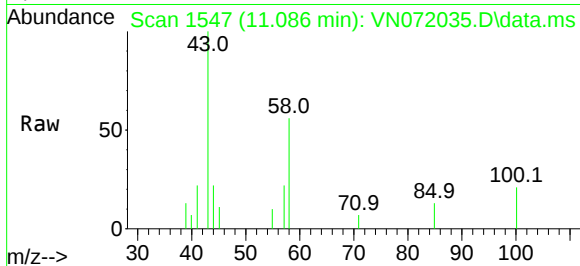




#59
2-Hexanone
Concen: 0.830 ug/l
RT: 11.086 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN072035.D
Acq: 18 Apr 2022 15:10

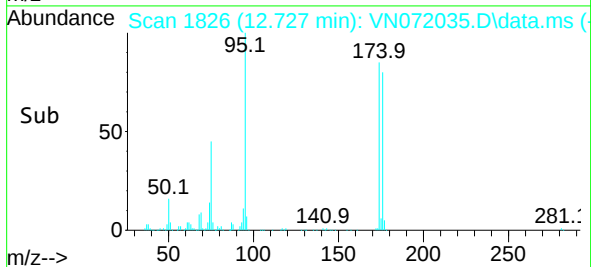
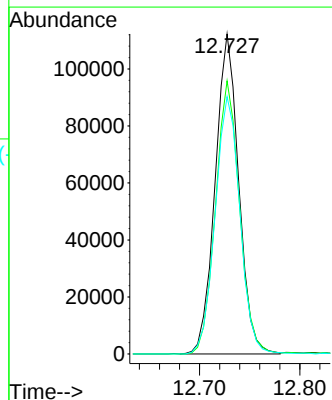
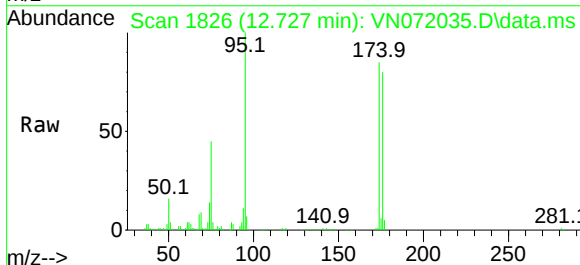
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

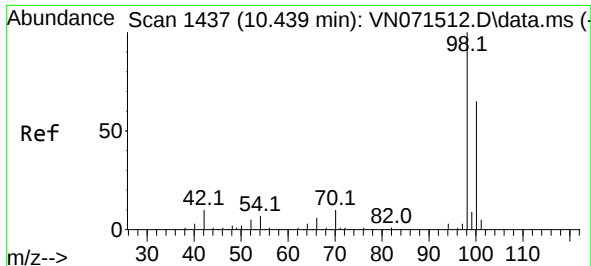
Tgt Ion: 43 Resp: 5311
Ion Ratio Lower Upper
43 100
58 55.1 42.2 63.2
57 17.3 15.0 22.4



#60
4-Bromofluorobenzene
Concen: 26.760 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN072035.D
Acq: 18 Apr 2022 15:10

Tgt Ion: 95 Resp: 183283
Ion Ratio Lower Upper
95 100
174 86.8 62.9 94.3
176 84.2 61.0 91.4

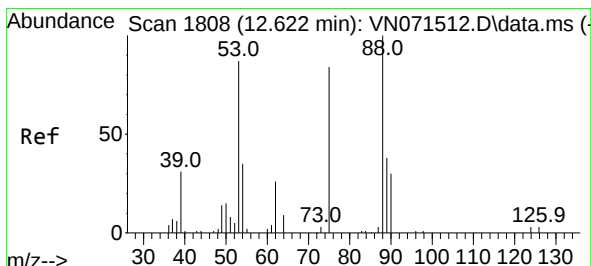
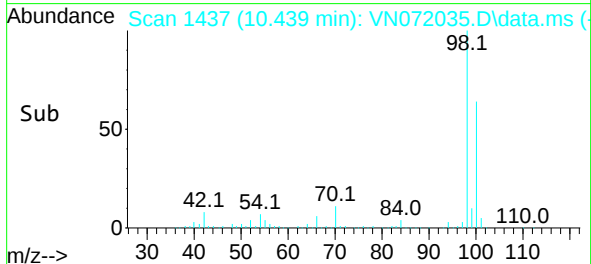
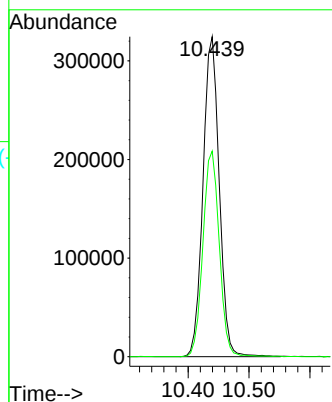
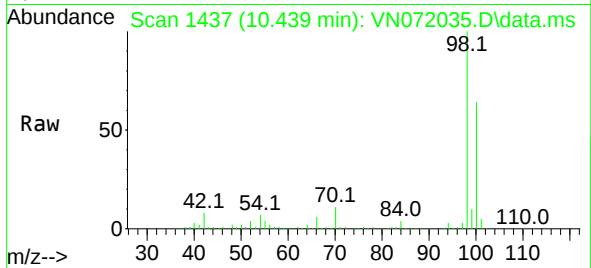




#63
Toluene-d8
Concen: 28.702 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VN072035.D
Acq: 18 Apr 2022 15:10

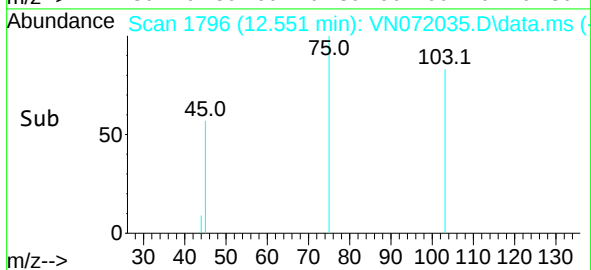
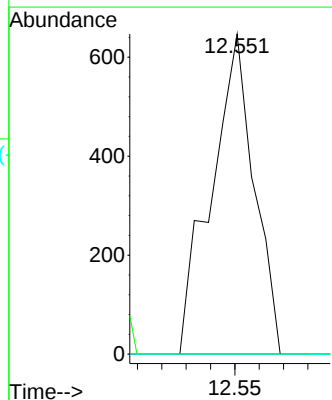
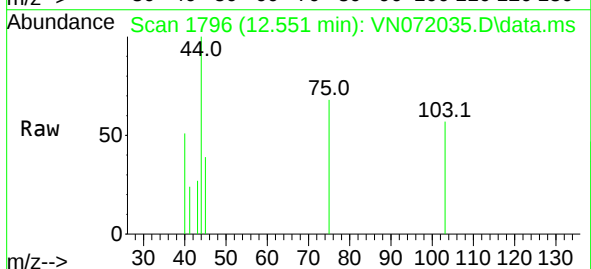
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

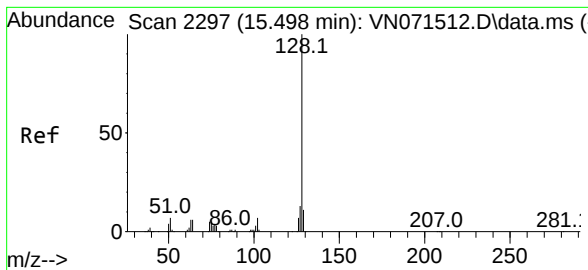
Tgt Ion: 98 Resp: 601833
Ion Ratio Lower Upper
98 100
100 64.6 50.6 76.0



#77
t-1,4-Dichloro-2-butene
Concen: 0.273 ug/l
RT: 12.551 min Scan# 1796
Delta R.T. -0.071 min
Lab File: VN072035.D
Acq: 18 Apr 2022 15:10

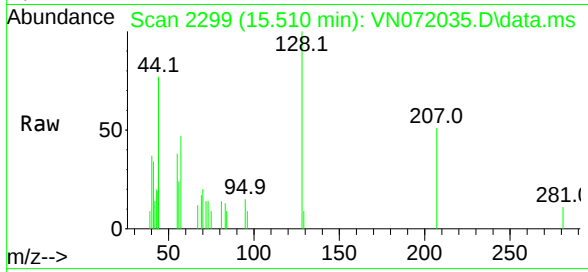
Tgt Ion: 75 Resp: 791
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.5#
89 0.0 22.9 68.7#





#91
Naphthalene
Concen: 7.044 ug/l
RT: 15.510 min Scan# 21
Delta R.T. 0.012 min
Lab File: VN072035.D
Acq: 18 Apr 2022 15:10

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW



Tgt Ion:	128	Resp:	3400
Ion Ratio	Lower	Upper	
128	100		
127	10.1	10.7	16.1#
129	3.4	9.0	13.6#

