

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041822\
 Data File : VN072034.D
 Acq On : 18 Apr 2022 14:42
 Operator : JC\MD
 Sample : N2441-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT-041-IDWGW-20220413

Quant Time: Apr 18 15:26:29 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)

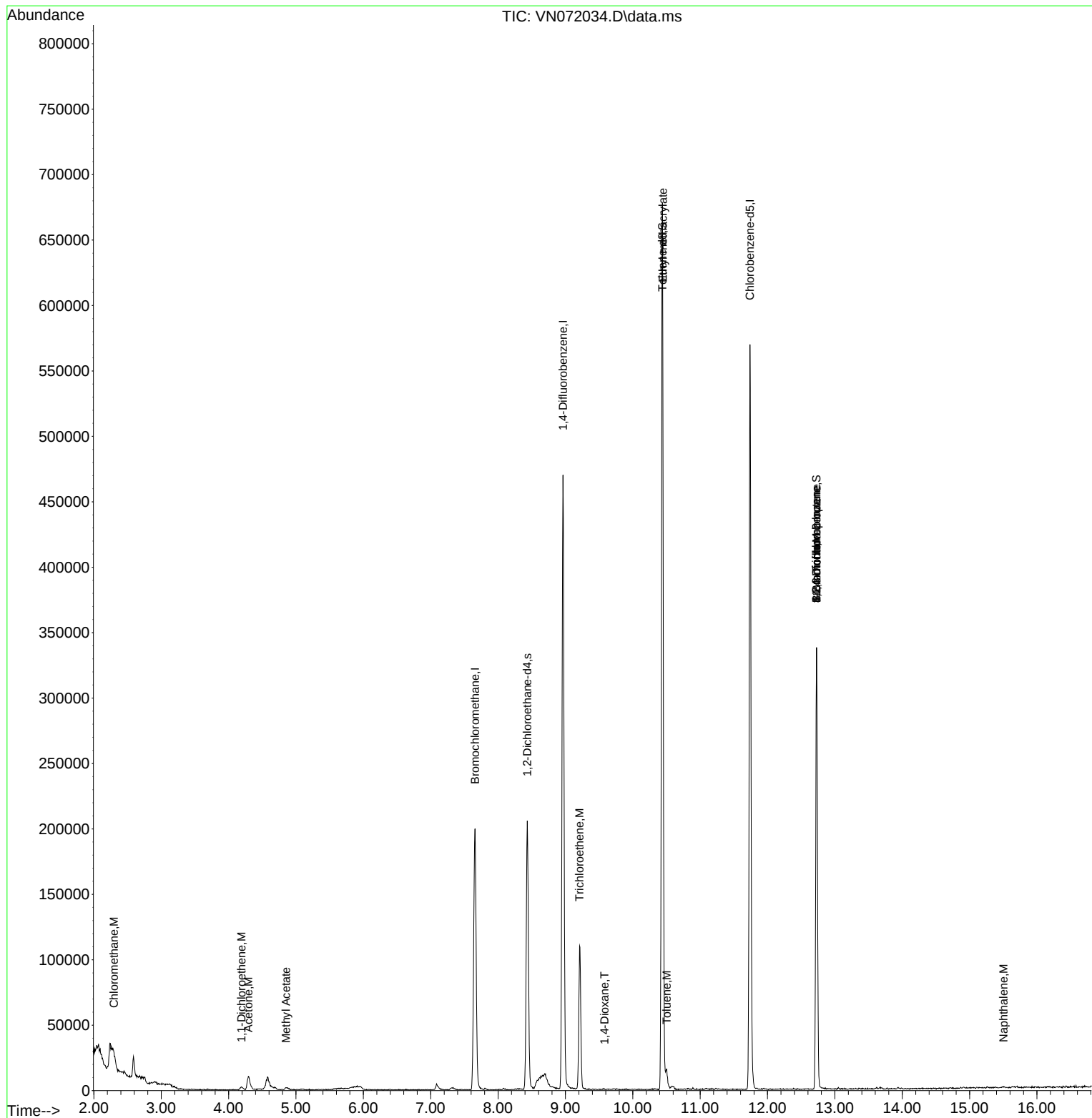
Internal Standards						
1) Bromochloromethane	7.657	128	84201	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	437146	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	368468	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.433	65	166321	28.036	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	93.467%
60) 4-Bromofluorobenzene	12.727	95	125845	23.034	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	76.767%
63) Toluene-d8	10.439	98	507140	30.320	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.067%
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	1458	0.236	ug/l	95
10) 1,1-Dichloroethene	4.193	96	999	0.205	ug/l #	47
12) Methyl Acetate	4.851	43	1660	0.241	ug/l #	29
15) Acetone	4.293	58	6598	7.363	ug/l #	47
37) Trichloroethene	9.210	130	43077	7.594	ug/l	98
45) 1,4-Dioxane	9.580	88	158	1.278	ug/l #	42
51) Ethyl methacrylate	10.445	69	1906	0.222	ug/l #	63
56) Bromoform	12.727	173	1228	0.276	ug/l #	1
62) Toluene	10.504	91	7554	0.338	ug/l	90
72) 1,2,3-Trichloropropane	12.727	75	59859	9.085	ug/l	1
77) t-1,4-Dichloro-2-butene	12.727	75	59859	25.875	ug/l #	8
91) Naphthalene	15.504	128	899	6.932	ug/l #	68

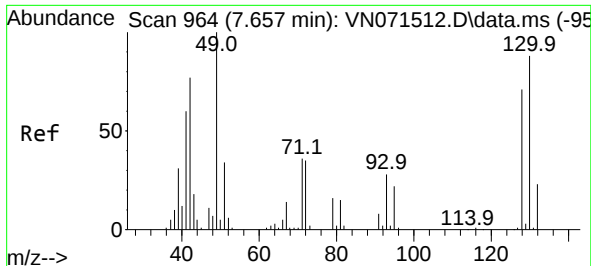
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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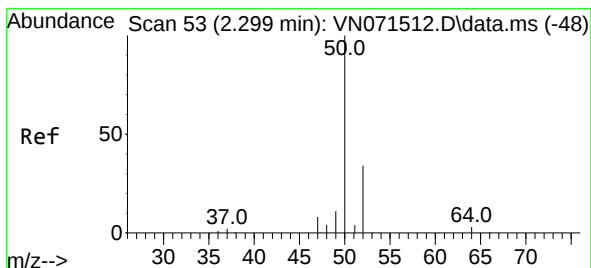
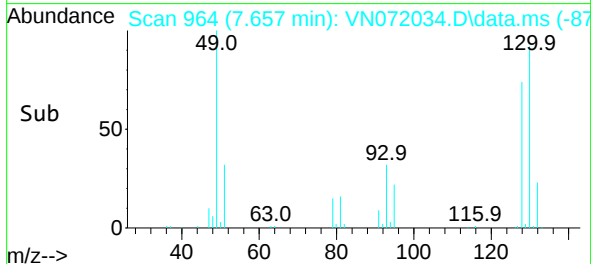
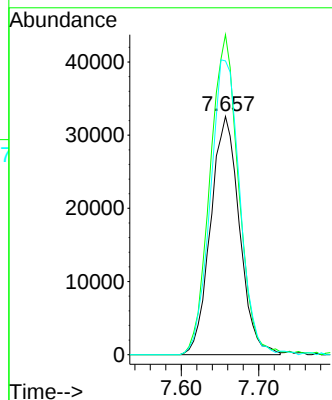
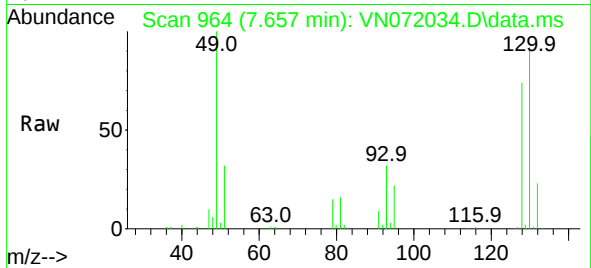




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.657 min Scan# 90
Delta R.T. 0.000 min
Lab File: VN072034.D
Acq: 18 Apr 2022 14:42

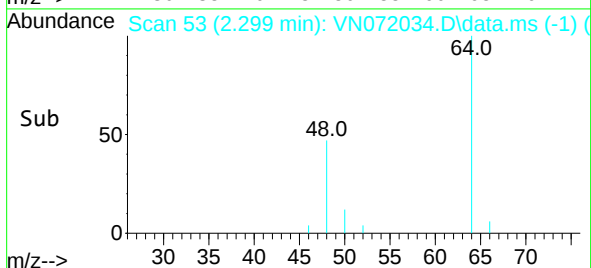
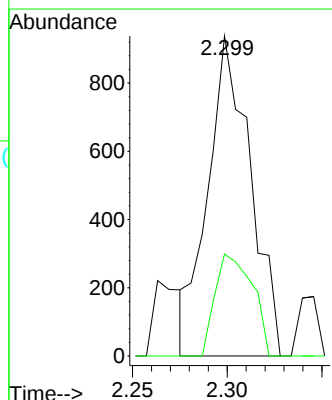
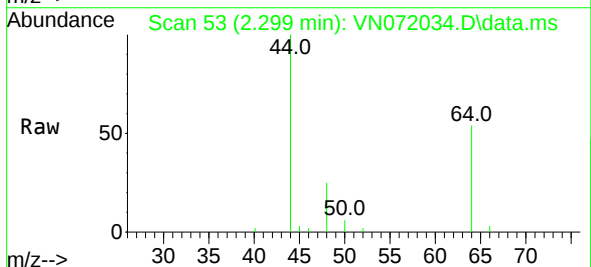
Instrument :
MSVOA_N
ClientSampleId :
TT-041-IDWGW-20220413

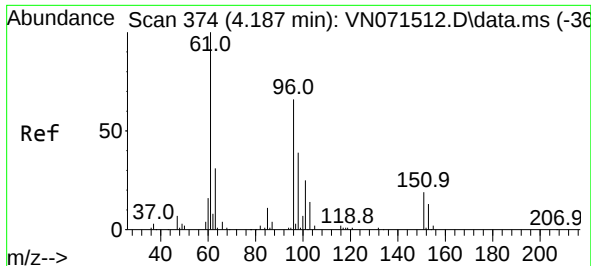
Tgt Ion:128 Resp: 84201
Ion Ratio Lower Upper
128 100
49 132.8 0.0 392.3
130 126.0 0.0 320.2



#3
Chloromethane
Concen: 0.236 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN072034.D
Acq: 18 Apr 2022 14:42

Tgt Ion: 50 Resp: 1458
Ion Ratio Lower Upper
50 100
52 31.9 27.8 41.6





#10

1,1-Dichloroethene

Concen: 0.205 ug/l

RT: 4.193 min Scan# 31

Delta R.T. 0.006 min

Lab File: VN072034.D

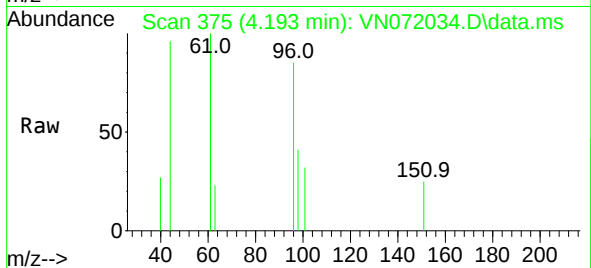
Acq: 18 Apr 2022 14:42

Instrument :

MSVOA_N

ClientSampleId :

TT-041-IDWGW-20220413



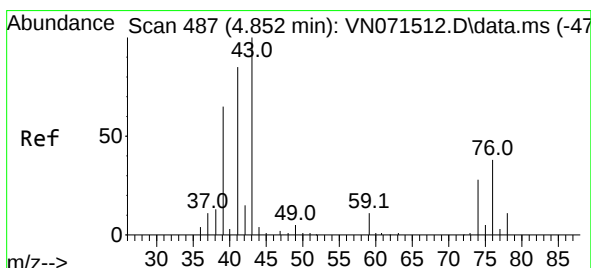
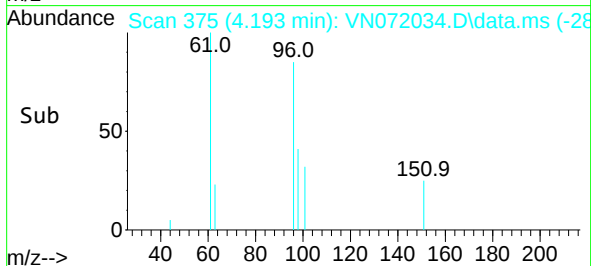
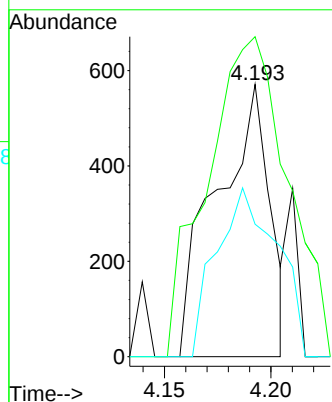
Tgt Ion: 96 Resp: 999

Ion Ratio Lower Upper

96 100

61 69.7 126.2 189.4#

98 48.7 50.9 76.3#



#12

Methyl Acetate

Concen: 0.241 ug/l

RT: 4.851 min Scan# 487

Delta R.T. -0.000 min

Lab File: VN072034.D

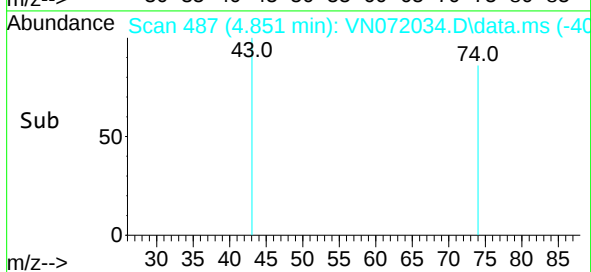
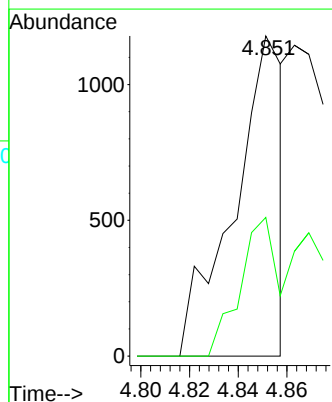
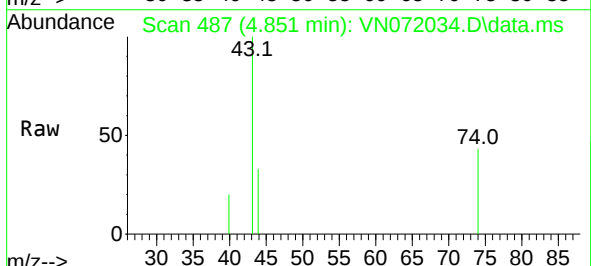
Acq: 18 Apr 2022 14:42

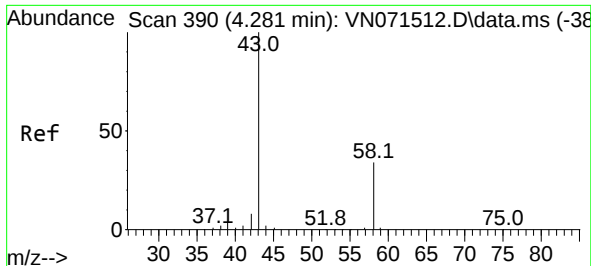
Tgt Ion: 43 Resp: 1660

Ion Ratio Lower Upper

43 100

74 62.4 20.8 31.2#





#15

Acetone

Concen: 7.363 ug/l

RT: 4.293 min Scan# 390

Delta R.T. 0.012 min

Lab File: VN072034.D

Acq: 18 Apr 2022 14:42

Instrument :

MSVOA_N

ClientSampleId :

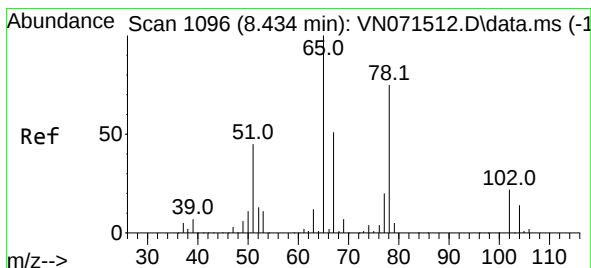
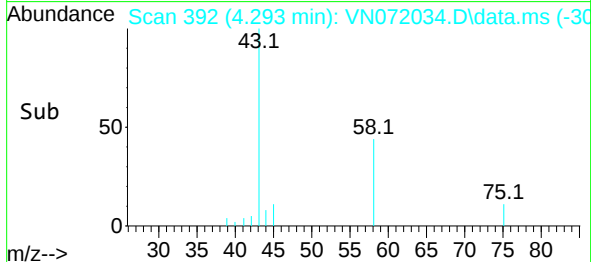
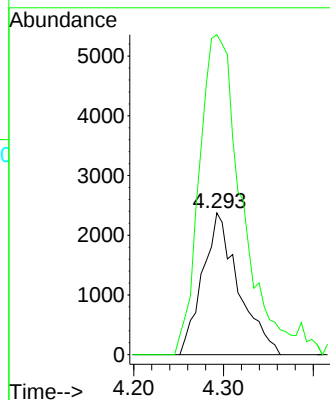
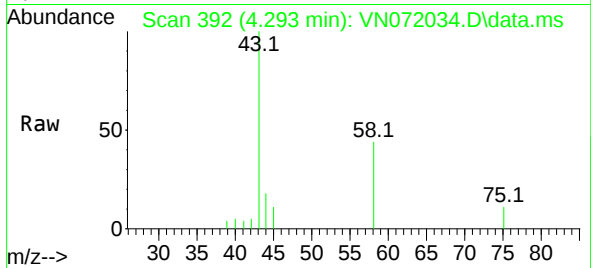
TT-041-IDWGW-20220413

Tgt Ion: 58 Resp: 6598

Ion Ratio Lower Upper

58 100

43 211.8 256.6 384.8#



#27

1,2-Dichloroethane-d4

Concen: 28.036 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.000 min

Lab File: VN072034.D

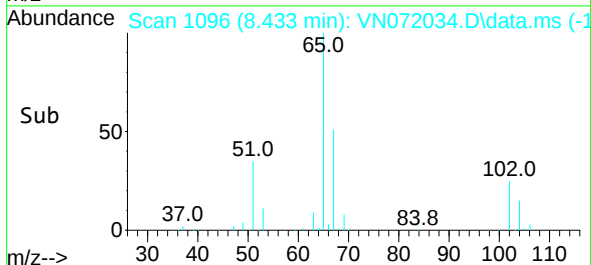
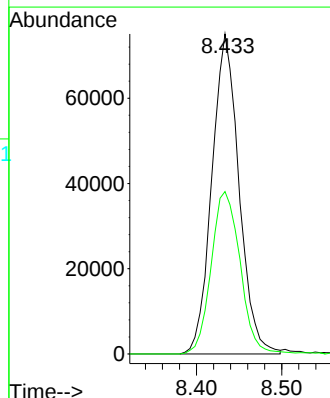
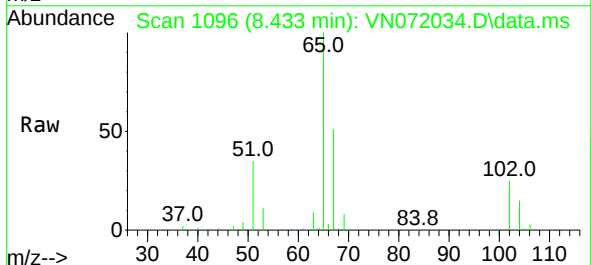
Acq: 18 Apr 2022 14:42

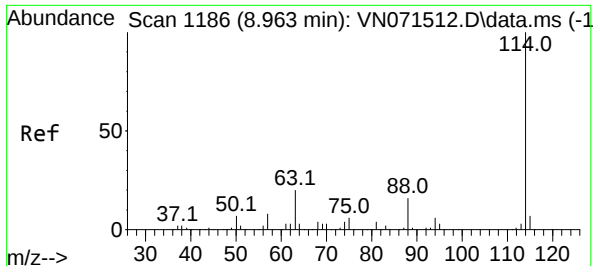
Tgt Ion: 65 Resp: 166321

Ion Ratio Lower Upper

65 100

67 54.1 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: VN072034.D

Acq: 18 Apr 2022 14:42

Instrument :

MSVOA_N

ClientSampleId :

TT-041-IDWGW-20220413

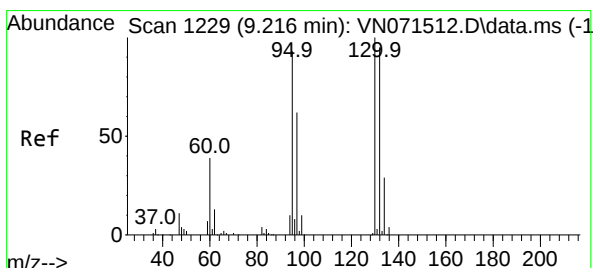
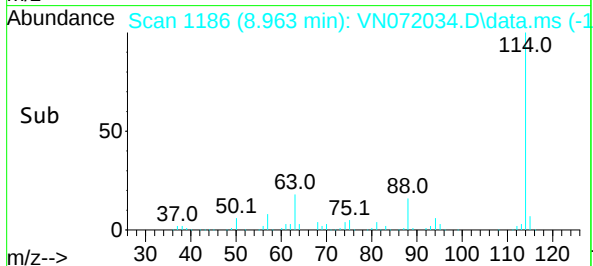
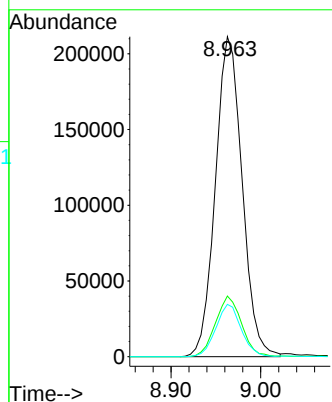
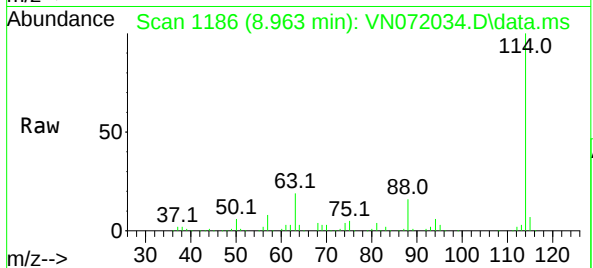
Tgt Ion:114 Resp: 437146

Ion Ratio Lower Upper

114 100

63 18.5 15.8 23.6

88 15.5 11.6 17.4



#37

Trichloroethene

Concen: 7.594 ug/l

RT: 9.210 min Scan# 1228

Delta R.T. -0.006 min

Lab File: VN072034.D

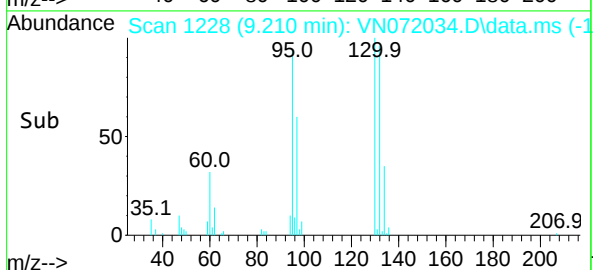
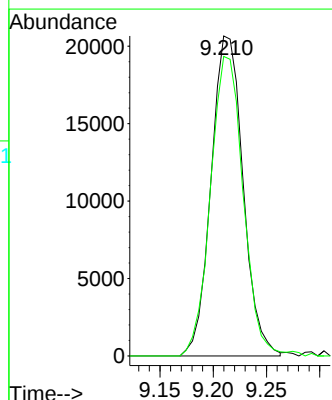
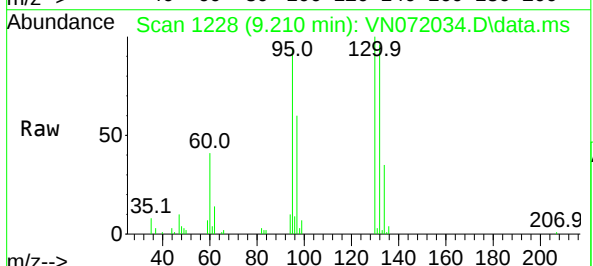
Acq: 18 Apr 2022 14:42

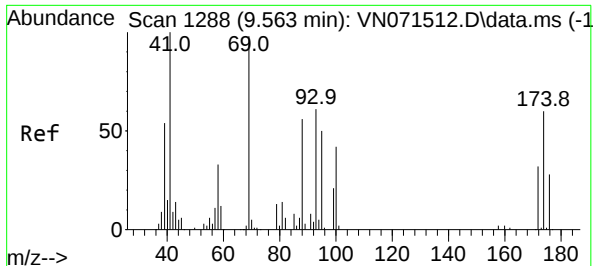
Tgt Ion:130 Resp: 43077

Ion Ratio Lower Upper

130 100

95 93.6 76.6 115.0

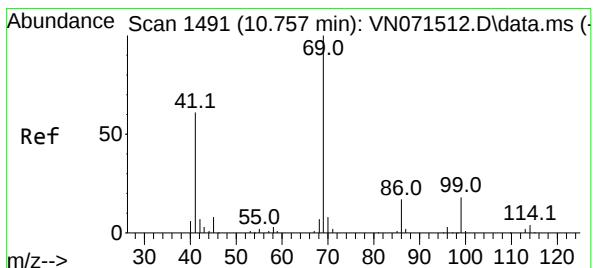
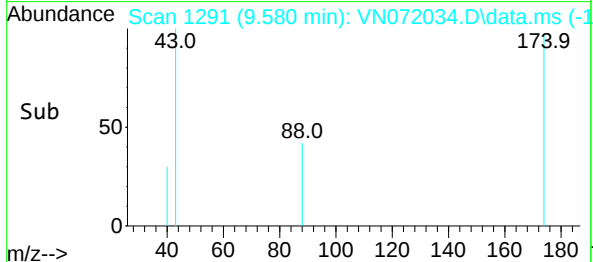
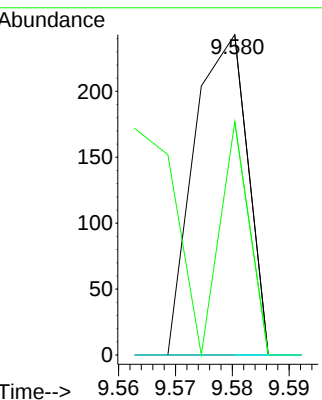
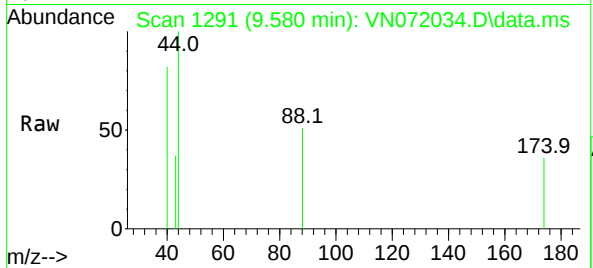




#45
1,4-Dioxane
Concen: 1.278 ug/l
RT: 9.580 min Scan# 11
Delta R.T. 0.017 min
Lab File: VN072034.D
Acq: 18 Apr 2022 14:42

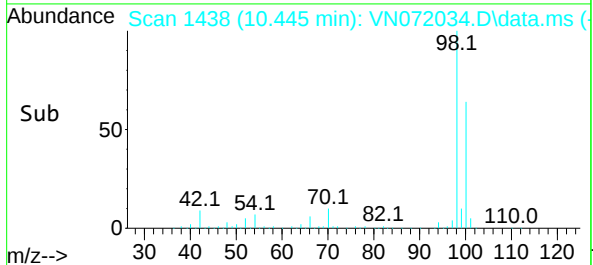
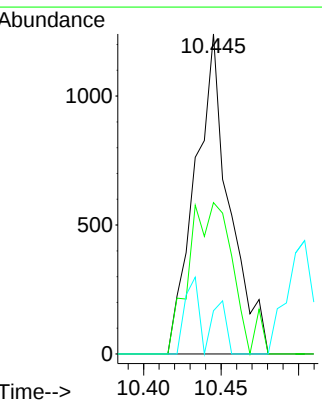
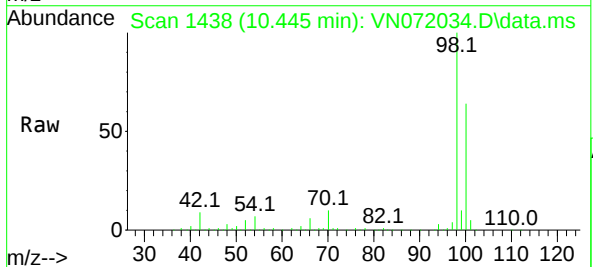
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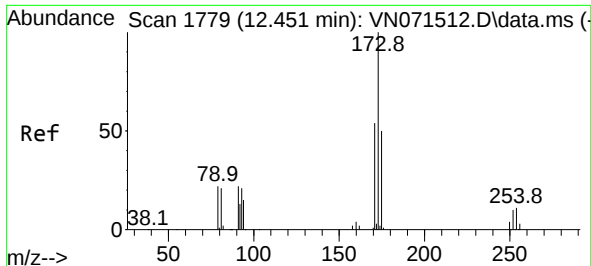
Tgt Ion: 88 Resp: 158
Ion Ratio Lower Upper
88 100
43 39.2 25.0 37.6#
58 0.0 49.4 74.2#



#51
Ethyl methacrylate
Concen: 0.222 ug/l
RT: 10.445 min Scan# 1438
Delta R.T. -0.312 min
Lab File: VN072034.D
Acq: 18 Apr 2022 14:42

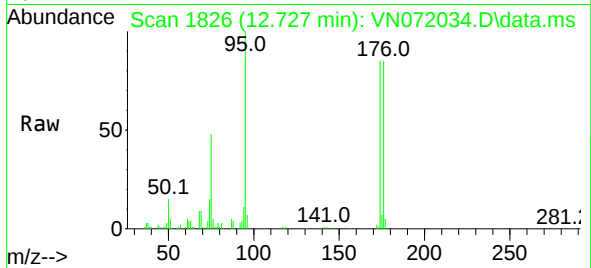
Tgt Ion: 69 Resp: 1906
Ion Ratio Lower Upper
69 100
41 47.3 33.0 98.9
39 13.5 25.4 76.4#



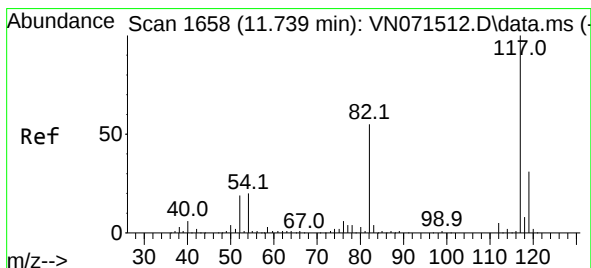
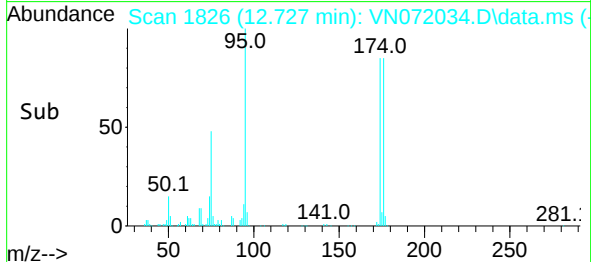
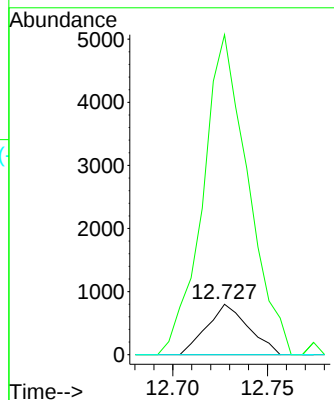


#56
Bromoform
Concen: 0.276 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.276 min
Lab File: VN072034.D
Acq: 18 Apr 2022 14:42

Instrument :
MSVOA_N
ClientSampleId :
TT-041-IDWGW-20220413

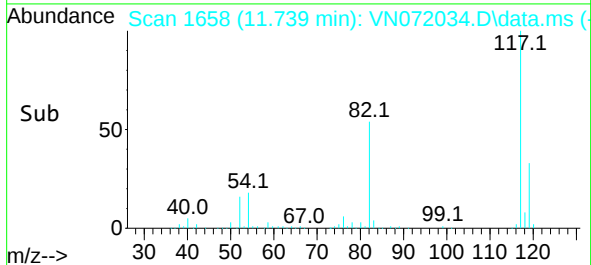
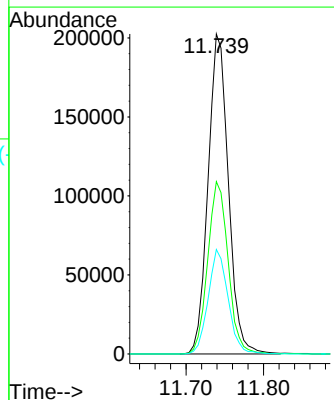
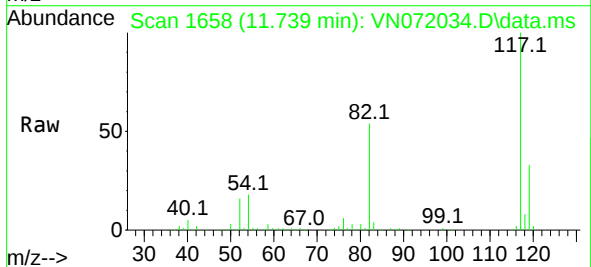


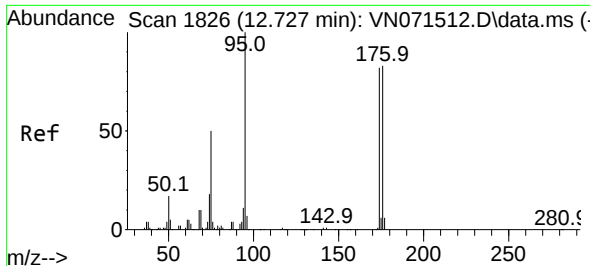
Tgt Ion:173 Resp: 1228
Ion Ratio Lower Upper
173 100
175 688.1 38.6 58.0#
254 0.0 0.0 0.0



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VN072034.D
Acq: 18 Apr 2022 14:42

Tgt Ion:117 Resp: 368468
Ion Ratio Lower Upper
117 100
82 54.1 43.6 65.4
119 32.0 25.8 38.6

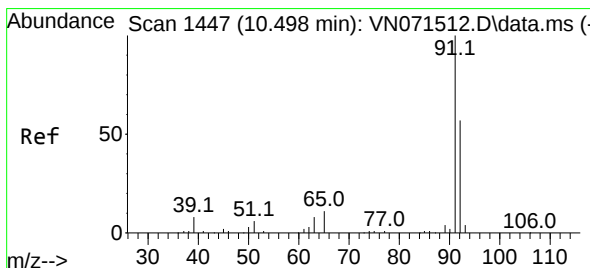
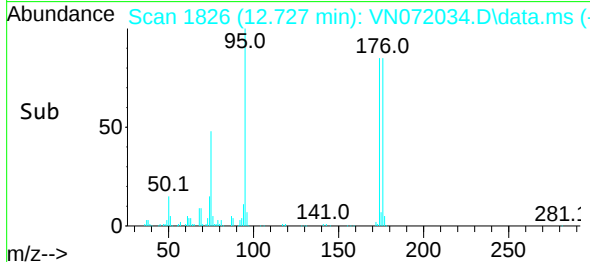
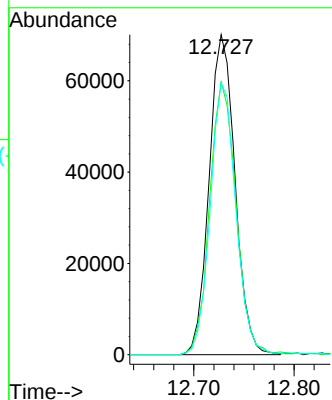
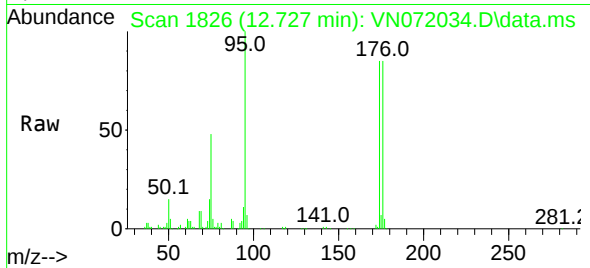




#60
4-Bromofluorobenzene
Concen: 23.034 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN072034.D
Acq: 18 Apr 2022 14:42

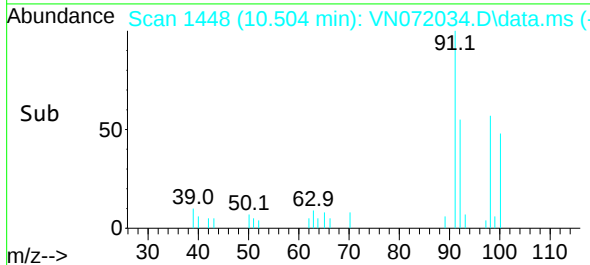
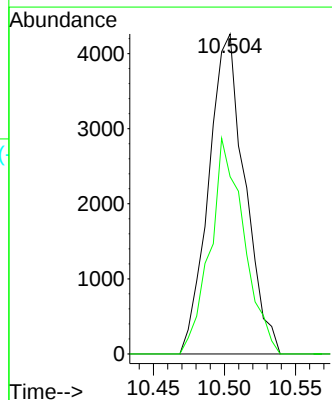
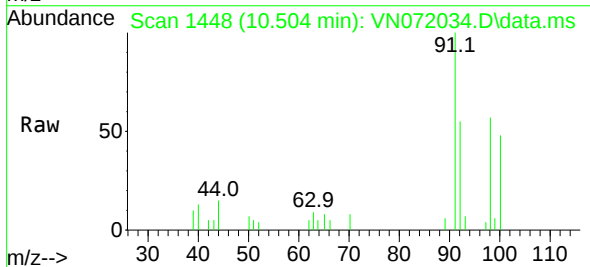
Instrument :
MSVOA_N
ClientSampleId :
TT-041-IDWGW-20220413

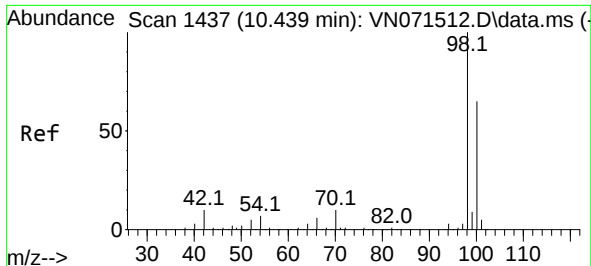
Tgt Ion: 95 Resp: 125845
Ion Ratio Lower Upper
95 100
174 86.7 62.9 94.3
176 84.2 61.0 91.4



#62
Toluene
Concen: 0.338 ug/l
RT: 10.504 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN072034.D
Acq: 18 Apr 2022 14:42

Tgt Ion: 91 Resp: 7554
Ion Ratio Lower Upper
91 100
92 63.0 44.6 67.0

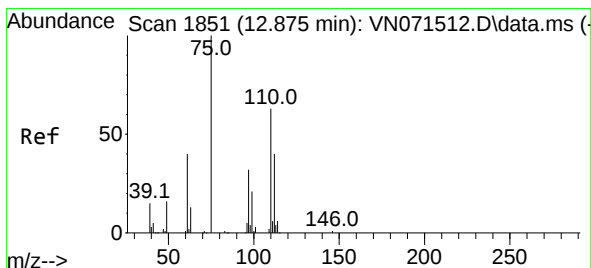
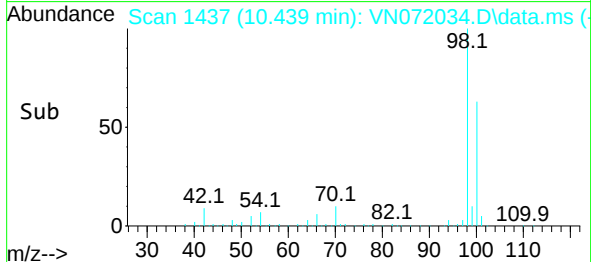
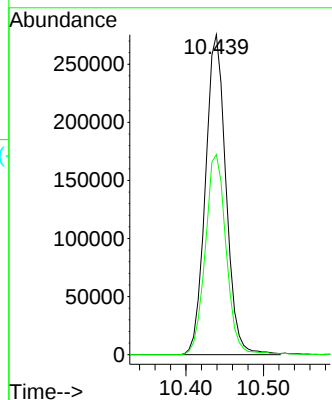
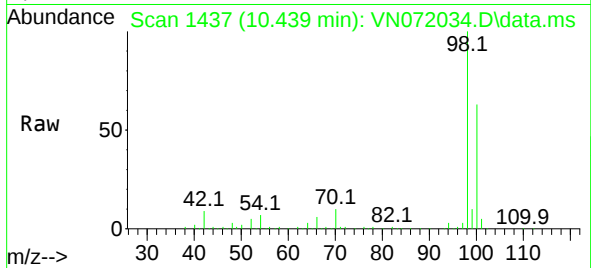




#63
Toluene-d8
Concen: 30.320 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VN072034.D
Acq: 18 Apr 2022 14:42

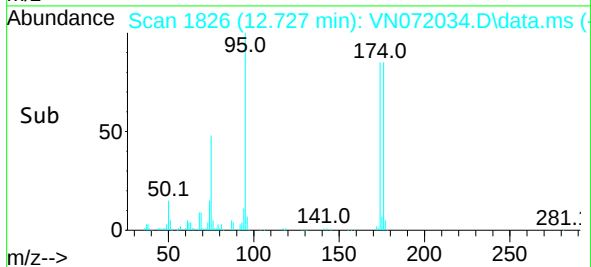
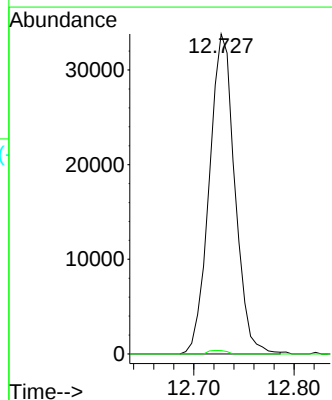
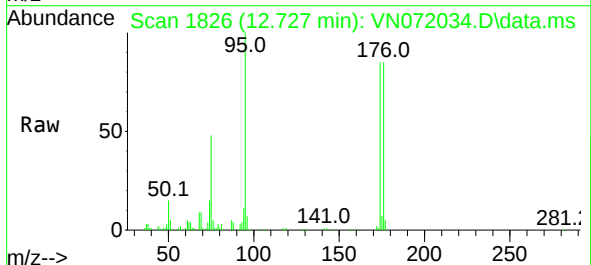
Instrument : MSVOA_N
ClientSampleId : TT-041-IDWGW-20220413

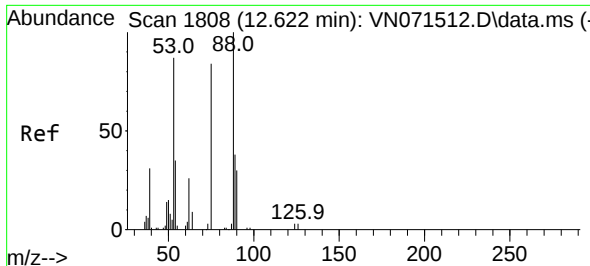
Tgt Ion: 98 Resp: 507140
Ion Ratio Lower Upper
98 100
100 63.1 50.6 76.0



#72
1,2,3-Trichloropropane
Concen: 9.085 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072034.D
Acq: 18 Apr 2022 14:42

Tgt Ion: 75 Resp: 59859
Ion Ratio Lower Upper
75 100
77 0.8 0.0 378.0

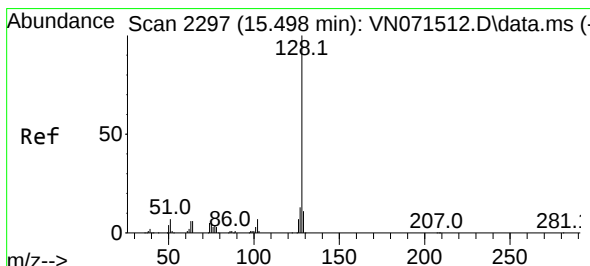
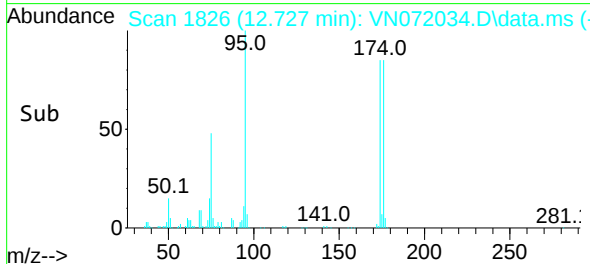
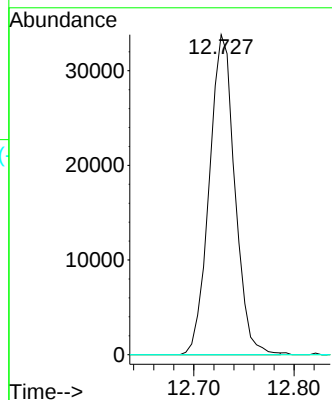
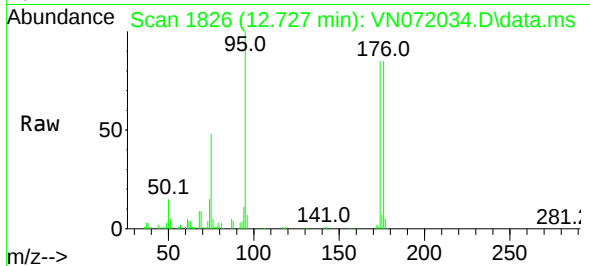




#77
t-1,4-Dichloro-2-butene
Concen: 25.875 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN072034.D
Acq: 18 Apr 2022 14:42

Instrument :
MSVOA_N
ClientSampleId :
TT-041-IDWGW-20220413

Tgt Ion: 75 Resp: 59859
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.5#
89 0.0 22.9 68.7#



#91
Naphthalene
Concen: 6.932 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VN072034.D
Acq: 18 Apr 2022 14:42

Tgt Ion: 128 Resp: 899
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 9.0 13.6#

