

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042021\
 Data File : VN066679.D
 Acq On : 20 Apr 2021 13:58
 Operator : JC/MD
 Sample : VN0420WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 21 10:07:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042021W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Apr 20 12:52:17 2021
 Response via : Initial Calibration

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

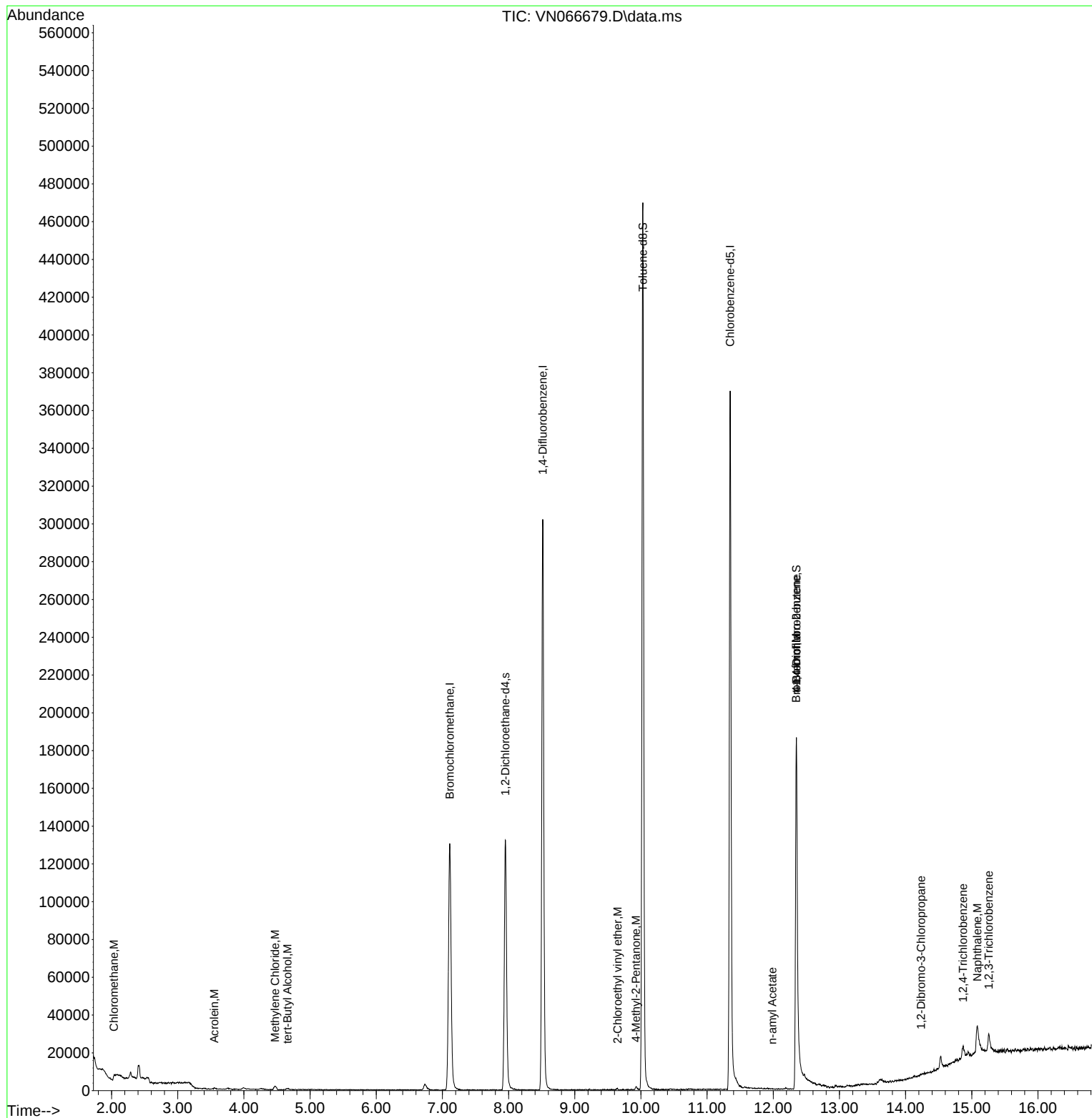
Internal Standards						
1) Bromochloromethane	7.111	128	53183	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.516	114	276770	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.348	117	233864	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.950	65	116542	30.41	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.37%
60) 4-Bromofluorobenzene	12.349	95	84969	23.18	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	77.27%
63) Toluene-d8	10.029	98	337332	31.35	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	104.50%
Target Compounds						
					Qvalue	
3) Chloromethane	2.037	50	1084	0.27	ug/l	96
13) Acrolein	3.552	56	822	1.54	ug/l #	53
18) Methylene Chloride	4.472	84	1266	0.36	ug/l #	80
23) tert-Butyl Alcohol	4.657	59	113	0.20	ug/l #	100
47) n-amyl Acetate	11.984	43	84	19.45	ug/l #	54
55) 2-Chloroethyl vinyl ether	9.645	63	335	0.46	ug/l #	45
56) Bromoform	12.346	173	534	0.20	ug/l #	1
58) 4-Methyl-2-Pentanone	9.924	43	875	0.22	ug/l #	82
77) t-1,4-Dichloro-2-butene	12.349	75	39193	32.01	ug/l #	10
88) 1,2-Dibromo-3-Chloropr...	14.231	75	169	0.22	ug/l #	1
89) 1,2,4-Trichlorobenzene	14.867	180	3364	1.05	ug/l #	89
91) Naphthalene	15.084	128	20707	2.68	ug/l #	90
92) 1,2,3-Trichlorobenzene	15.256	180	4368	1.44	ug/l	84

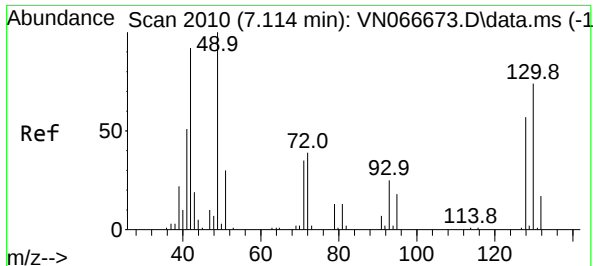
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042021\
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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Apr 21 10:07:04 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042021W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Apr 20 12:52:17 2021
Response via : Initial Calibration

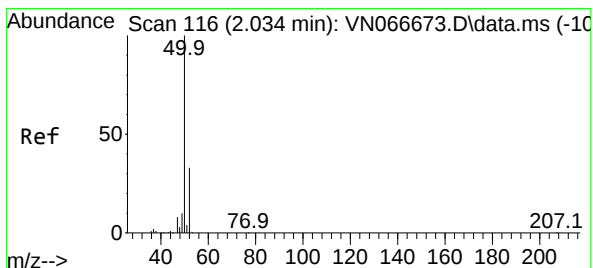
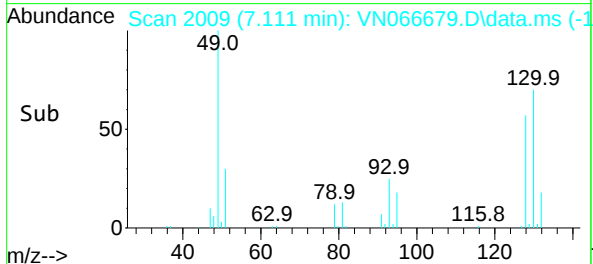
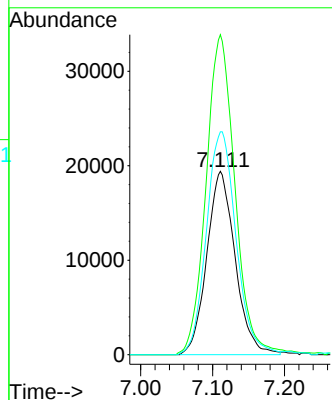
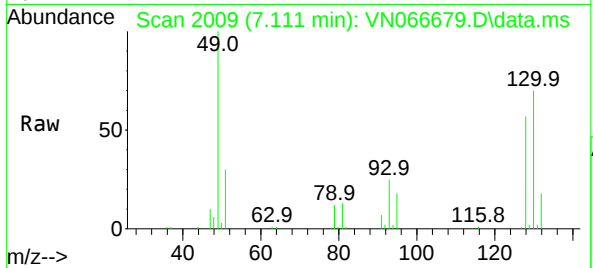




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.111 min Scan# 2009
Delta R.T. -0.003 min
Lab File: VN066679.D
Acq: 20 Apr 2021 13:58

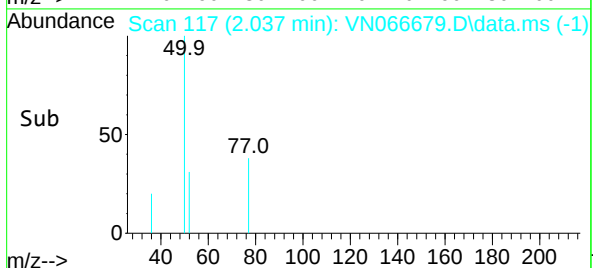
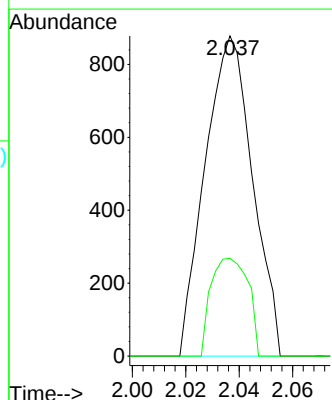
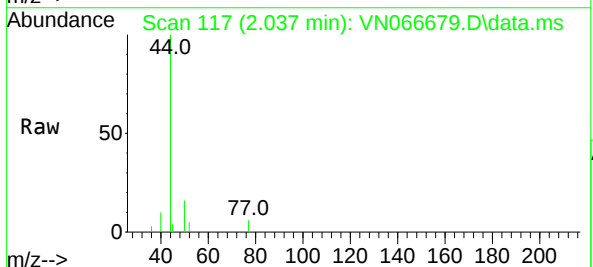
Instrument :
MSVOA_N
ClientSampleId :

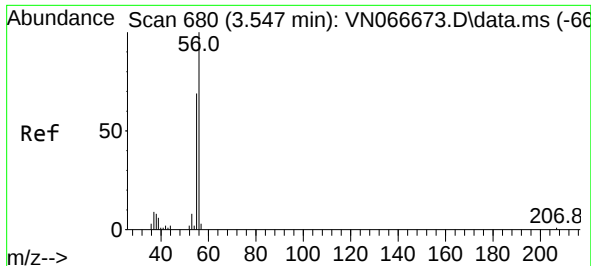
Tgt Ion:128 Resp: 53183
Ion Ratio Lower Upper
128 100
49 177.2 0.0 429.3
130 127.7 0.0 328.5



#3
Chloromethane
Concen: 0.27 ug/l
RT: 2.037 min Scan# 117
Delta R.T. 0.003 min
Lab File: VN066679.D
Acq: 20 Apr 2021 13:58

Tgt Ion: 50 Resp: 1084
Ion Ratio Lower Upper
50 100
52 30.5 26.2 39.4

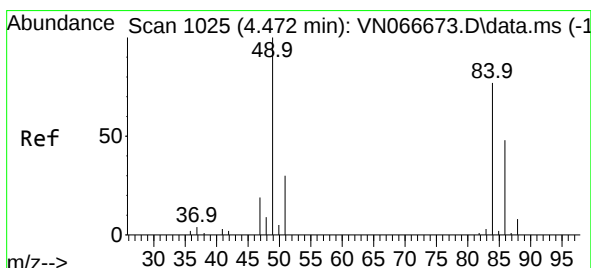
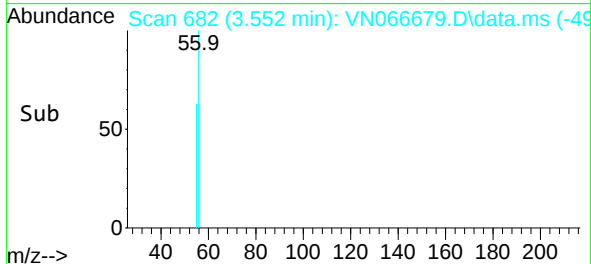
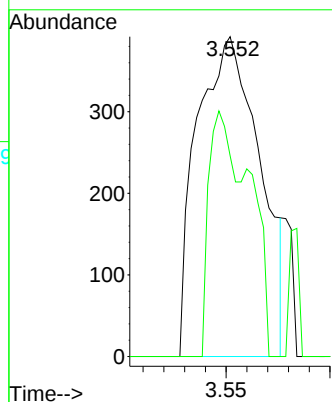
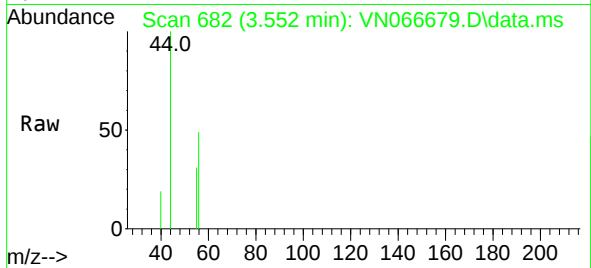




#13
Acrolein
Concen: 1.54 ug/l
RT: 3.552 min Scan# 682
Delta R.T. 0.005 min
Lab File: VN066679.D
Acq: 20 Apr 2021 13:58

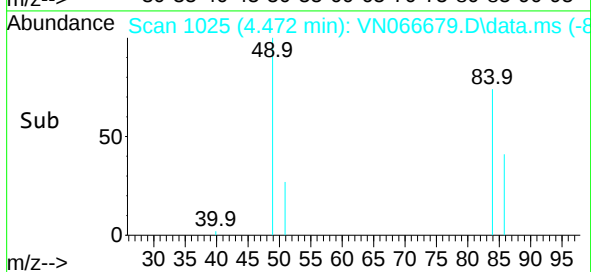
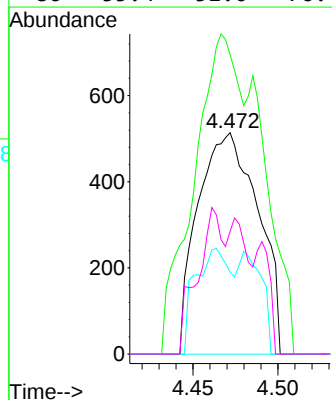
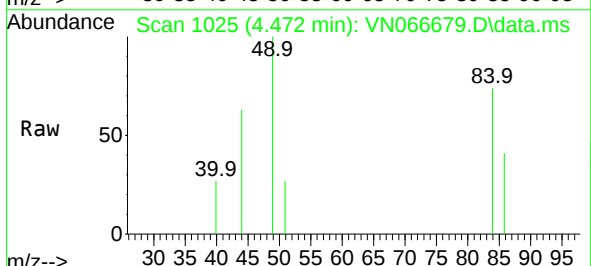
Instrument :
MSVOA_N
ClientSampled :

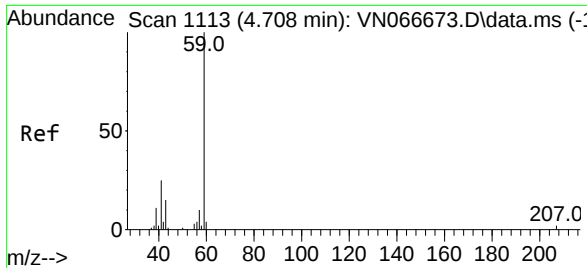
Tgt Ion: 56 Resp: 822
Ion Ratio Lower Upper
56 100
55 29.9 54.1 81.1#



#18
Methylene Chloride
Concen: 0.36 ug/l
RT: 4.472 min Scan# 1025
Delta R.T. -0.000 min
Lab File: VN066679.D
Acq: 20 Apr 2021 13:58

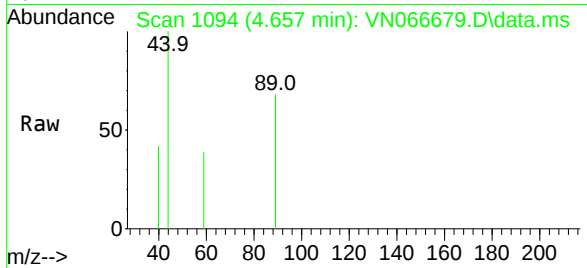
Tgt Ion: 84 Resp: 1266
Ion Ratio Lower Upper
84 100
49 90.1 98.9 148.3#
51 37.0 30.8 46.2
86 55.4 51.0 76.4



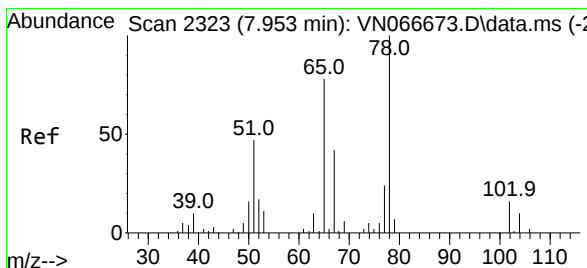
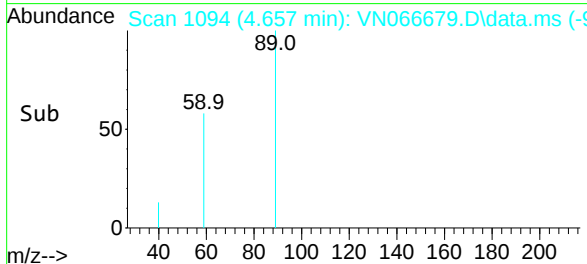
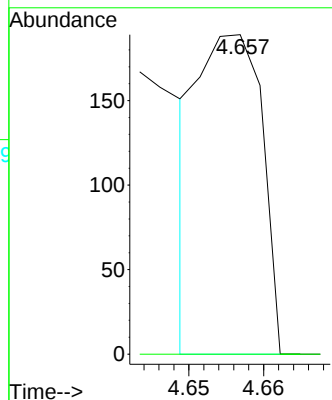


#23
tert-Butyl Alcohol
Concen: 0.20 ug/l
RT: 4.657 min Scan# 1094
Delta R.T. -0.051 min
Lab File: VN066679.D
Acq: 20 Apr 2021 13:58

Instrument :
MSVOA_N
ClientSampled :

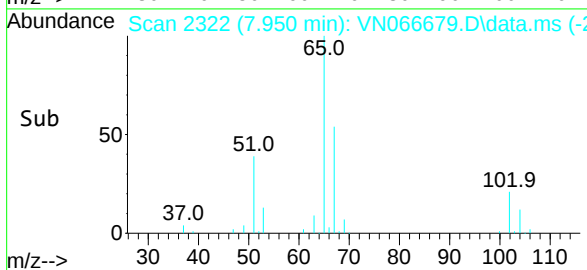
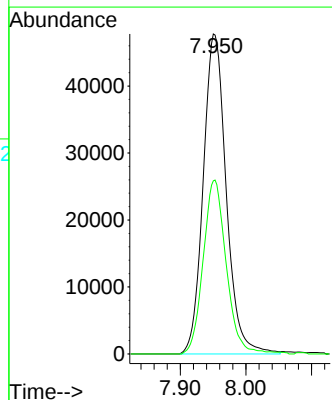
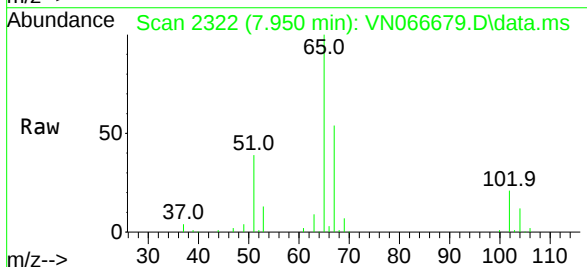


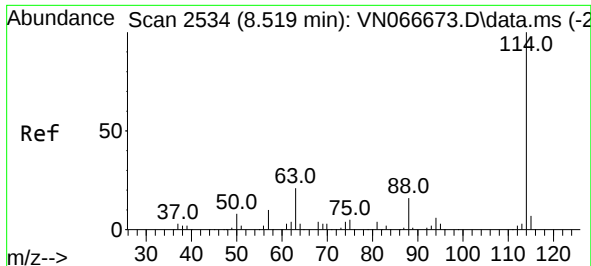
Tgt Ion: 59 Resp: 113
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1#



#27
1,2-Dichloroethane-d4
Concen: 30.41 ug/l
RT: 7.950 min Scan# 2322
Delta R.T. -0.003 min
Lab File: VN066679.D
Acq: 20 Apr 2021 13:58

Tgt Ion: 65 Resp: 116542
Ion Ratio Lower Upper
65 100
67 53.9 42.2 63.4





#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.516 min Scan# 2533

Delta R.T. -0.003 min

Lab File: VN066679.D

Acq: 20 Apr 2021 13:58

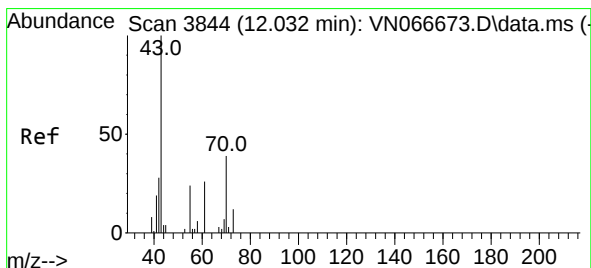
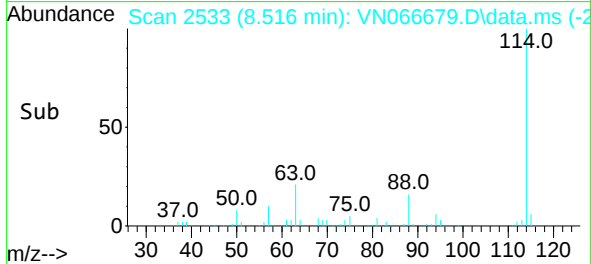
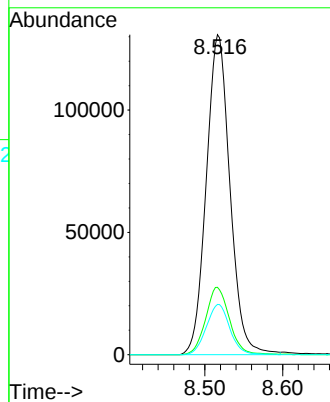
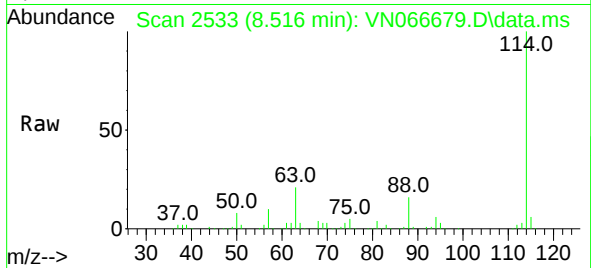
Tgt Ion:114 Resp: 276770

Ion Ratio Lower Upper

114 100

63 21.1 17.4 26.0

88 15.6 12.6 19.0



#47

n-amy1 Acetate

Concen: 19.45 ug/l

RT: 11.984 min Scan# 3826

Delta R.T. -0.048 min

Lab File: VN066679.D

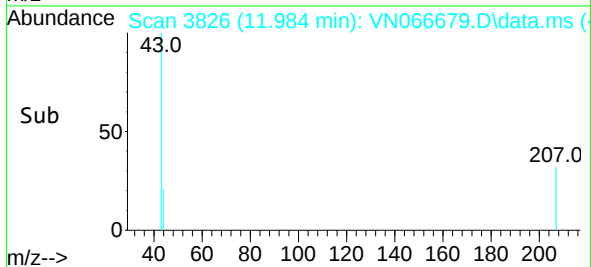
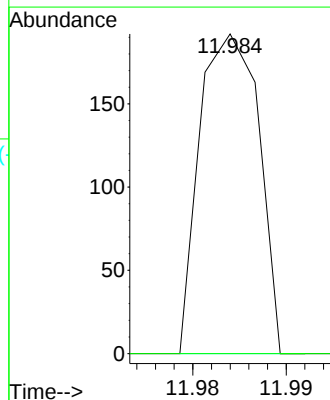
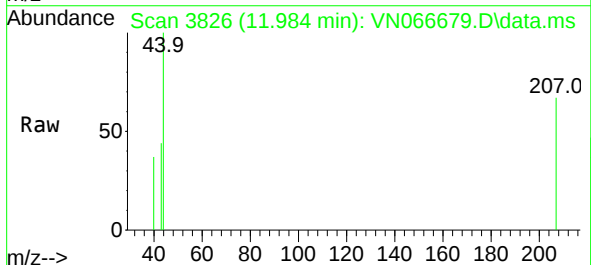
Acq: 20 Apr 2021 13:58

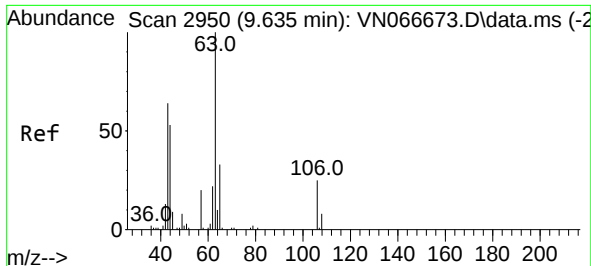
Tgt Ion: 43 Resp: 84

Ion Ratio Lower Upper

43 100

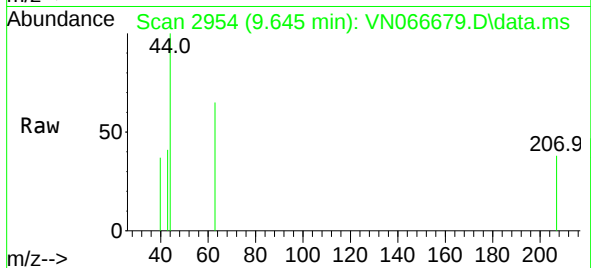
55 0.0 17.7 26.5#



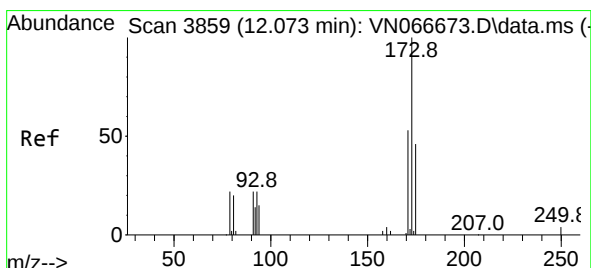
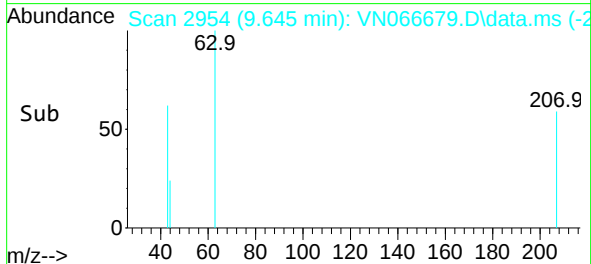
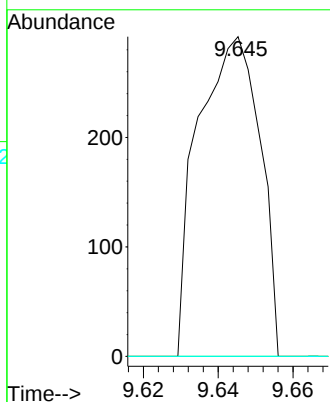


#55
2-Chloroethyl vinyl ether
Concen: 0.46 ug/l
RT: 9.645 min Scan# 2954
Delta R.T. 0.010 min
Lab File: VN066679.D
Acq: 20 Apr 2021 13:58

Instrument :
MSVOA_N
ClientSampled :

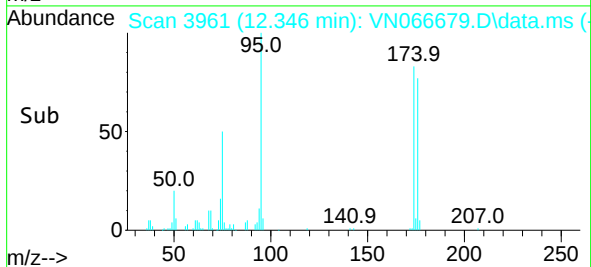
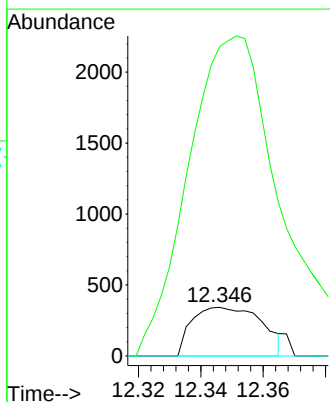
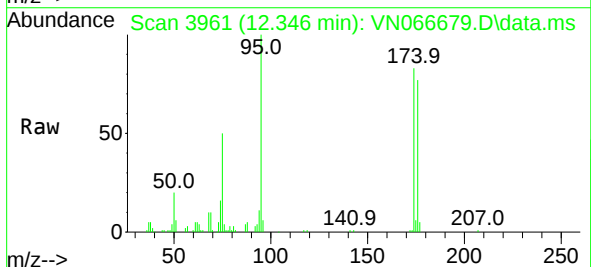


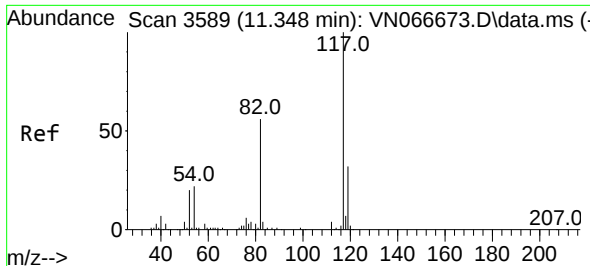
Tgt Ion: 63 Resp: 335
Ion Ratio Lower Upper
63 100
65 0.0 26.0 39.0#
106 0.0 20.6 31.0#



#56
Bromoform
Concen: 0.20 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.273 min
Lab File: VN066679.D
Acq: 20 Apr 2021 13:58

Tgt Ion: 173 Resp: 534
Ion Ratio Lower Upper
173 100
175 864.4 38.3 57.5#
254 0.0 0.0 0.0

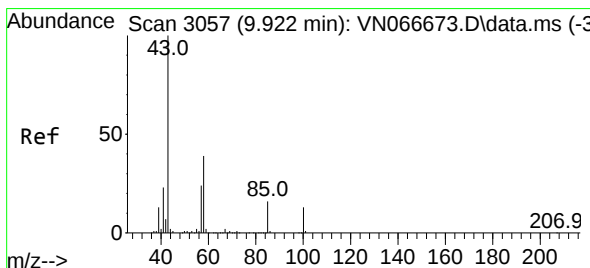
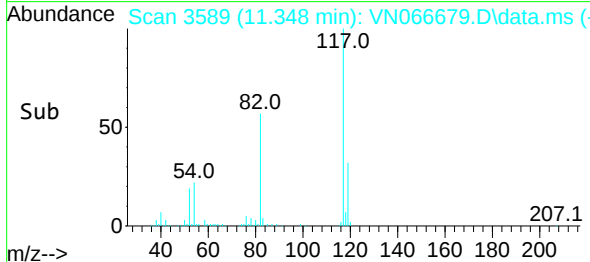
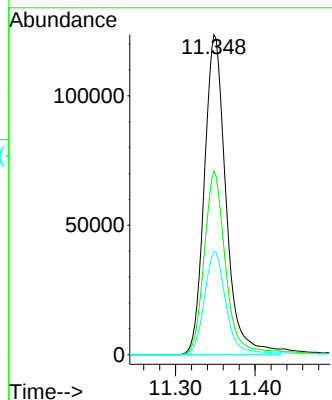
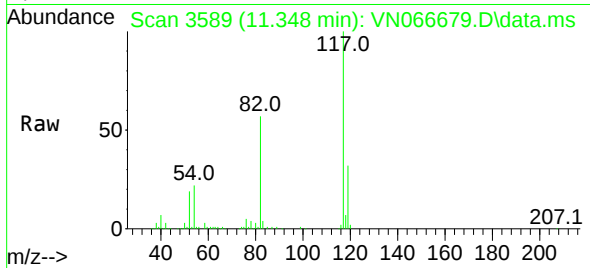




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.348 min Scan# 3589
Delta R.T. 0.000 min
Lab File: VN066679.D
Acq: 20 Apr 2021 13:58

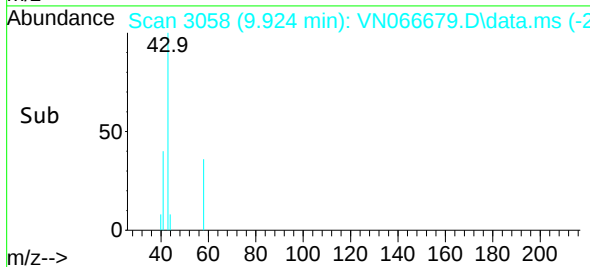
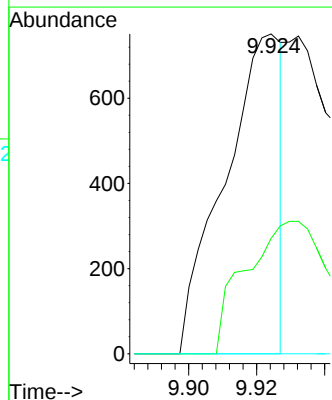
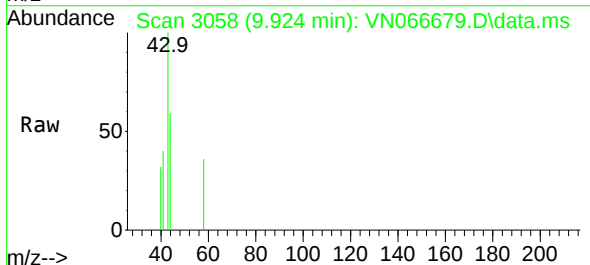
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MSVOA_N
ClientSampleId :

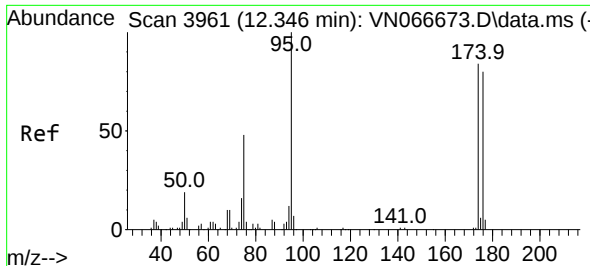
Tgt Ion:117 Resp: 233864
Ion Ratio Lower Upper
117 100
82 57.1 45.0 67.6
119 32.2 25.5 38.3



#58
4-Methyl-2-Pentanone
Concen: 0.22 ug/l
RT: 9.924 min Scan# 3058
Delta R.T. 0.002 min
Lab File: VN066679.D
Acq: 20 Apr 2021 13:58

Tgt Ion: 43 Resp: 875
Ion Ratio Lower Upper
43 100
58 42.9 30.4 45.6
85 0.0 13.8 20.8#

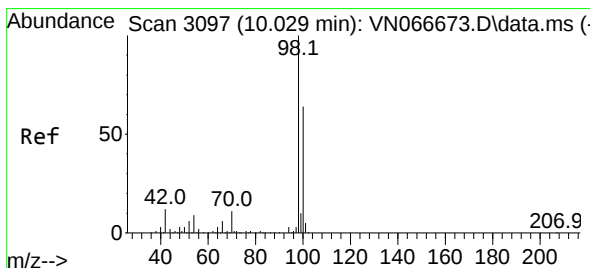
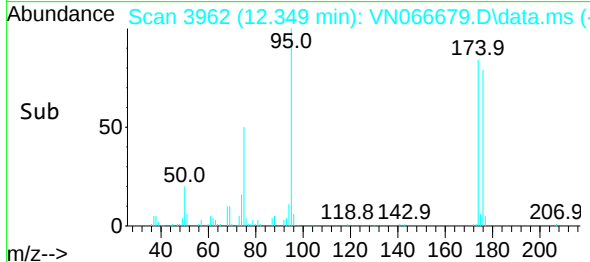
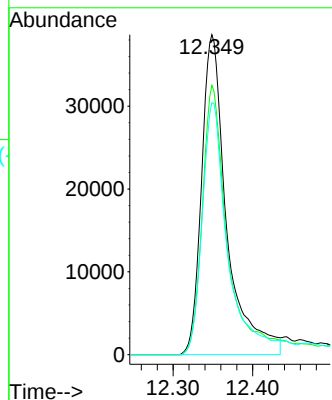
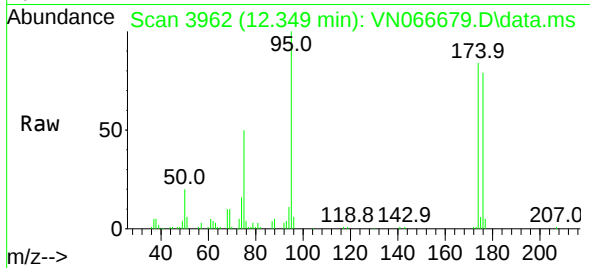




#60
4-Bromofluorobenzene
Concen: 23.18 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. 0.003 min
Lab File: VN066679.D
Acq: 20 Apr 2021 13:58

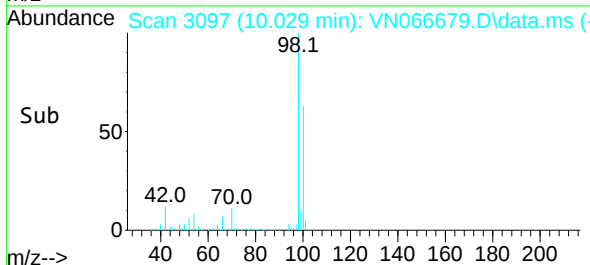
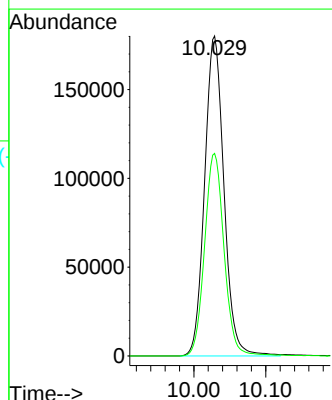
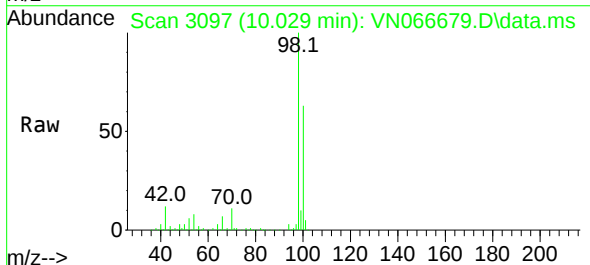
Instrument :
MSVOA_N
ClientSampleId :

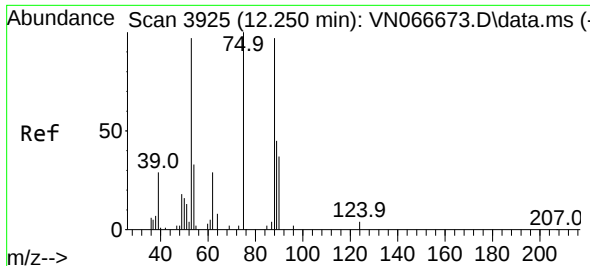
Tgt Ion: 95 Resp: 84969
Ion Ratio Lower Upper
95 100
174 81.5 68.1 102.1
176 78.5 65.4 98.0



#63
Toluene-d8
Concen: 31.35 ug/l
RT: 10.029 min Scan# 3097
Delta R.T. -0.000 min
Lab File: VN066679.D
Acq: 20 Apr 2021 13:58

Tgt Ion: 98 Resp: 337332
Ion Ratio Lower Upper
98 100
100 63.7 51.1 76.7

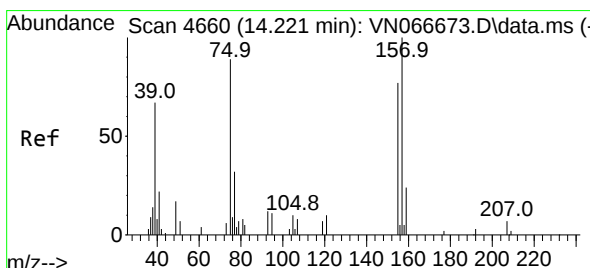
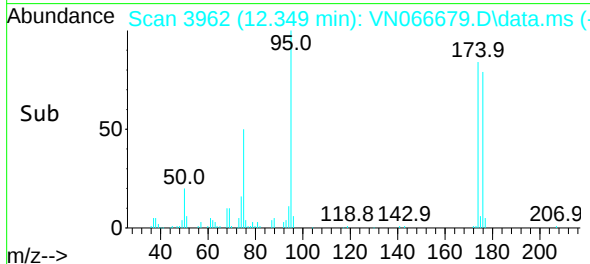
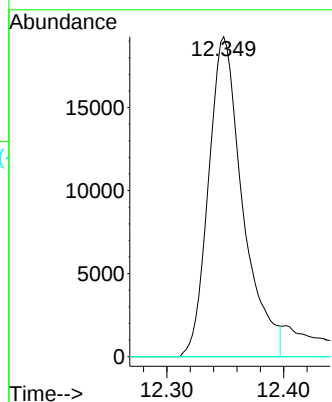
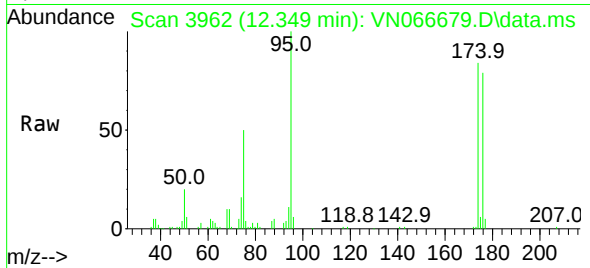




#77
t-1,4-Dichloro-2-butene
Concen: 32.01 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. 0.099 min
Lab File: VN066679.D
Acq: 20 Apr 2021 13:58

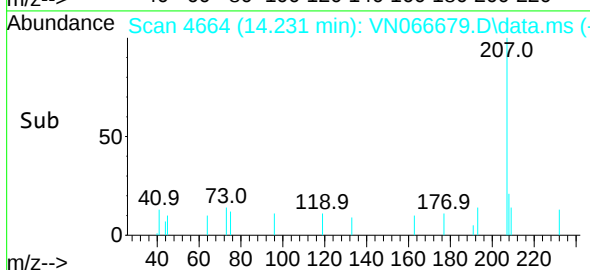
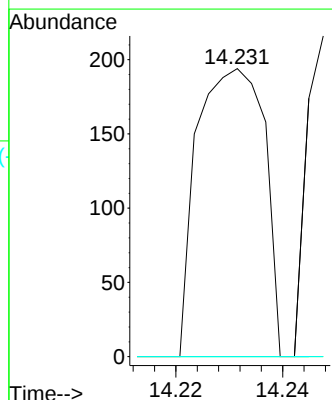
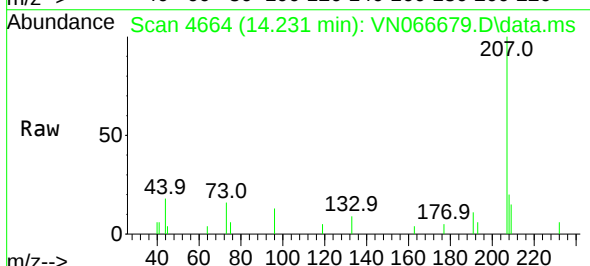
Instrument :
MSVOA_N
ClientSampleId :

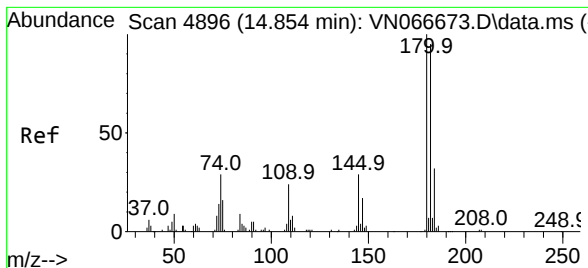
Tgt Ion: 75 Resp: 39193
Ion Ratio Lower Upper
75 100
53 0.0 49.6 149.0#
89 0.0 22.9 68.7#



#88
1,2-Dibromo-3-Chloropropane
Concen: 0.22 ug/l
RT: 14.231 min Scan# 4664
Delta R.T. 0.010 min
Lab File: VN066679.D
Acq: 20 Apr 2021 13:58

Tgt Ion: 75 Resp: 169
Ion Ratio Lower Upper
75 100
155 0.0 68.3 102.5#
157 0.0 87.8 131.6#

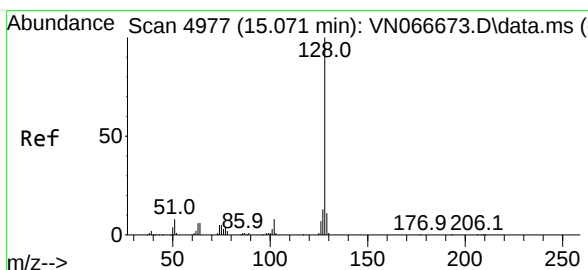
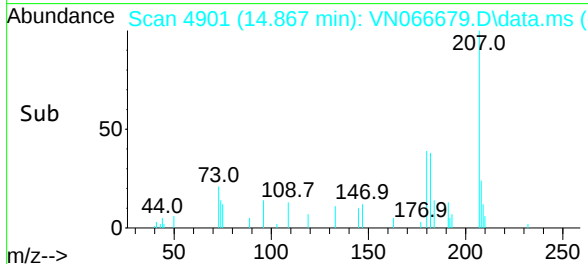
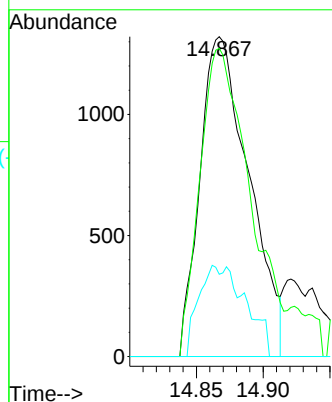
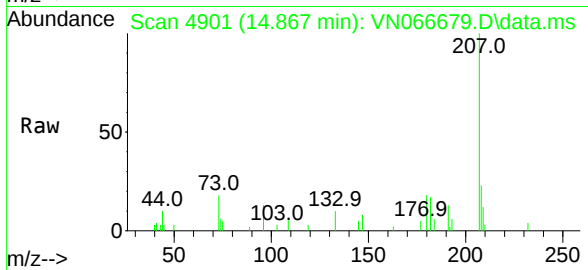




#89
1,2,4-Trichlorobenzene
Concen: 1.05 ug/l
RT: 14.867 min Scan# 4901
Delta R.T. 0.013 min
Lab File: VN066679.D
Acq: 20 Apr 2021 13:58

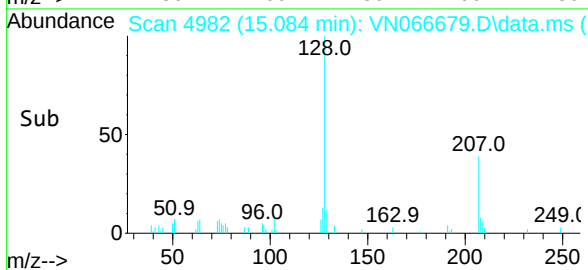
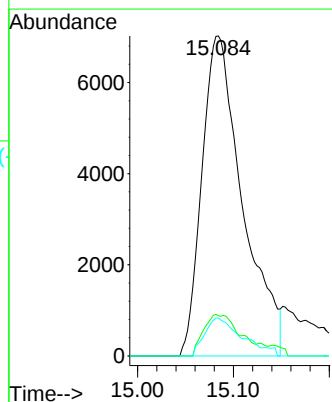
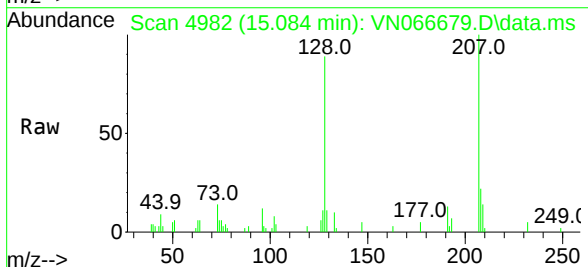
Instrument :
MSVOA_N
ClientSampleId :

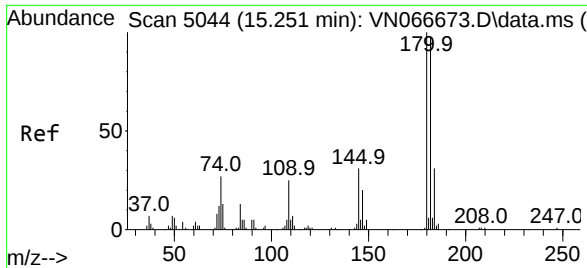
Tgt Ion:180 Resp: 3364
Ion Ratio Lower Upper
180 100
182 89.0 74.3 111.5
145 12.4 23.4 35.0#



#91
Naphthalene
Concen: 2.68 ug/l
RT: 15.084 min Scan# 4982
Delta R.T. 0.013 min
Lab File: VN066679.D
Acq: 20 Apr 2021 13:58

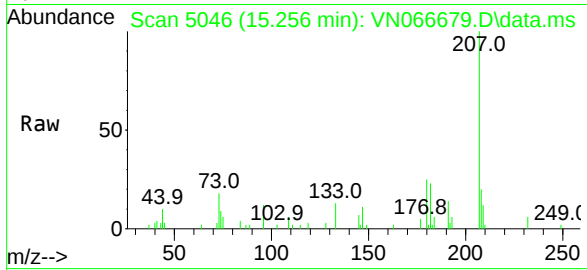
Tgt Ion:128 Resp: 20707
Ion Ratio Lower Upper
128 100
127 5.7 10.2 15.2#
129 10.3 8.6 13.0





#92
 1,2,3-Trichlorobenzene
 Concen: 1.44 ug/l
 RT: 15.256 min Scan# 5046
 Delta R.T. 0.005 min
 Lab File: VN066679.D
 Acq: 20 Apr 2021 13:58

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	4368
Ion Ratio	Lower	Upper	
180	100		
182	111.3	0.0	190.0
145	22.0	0.0	60.8

