

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040822\
 Data File : VN071909.D
 Acq On : 08 Apr 2022 12:03
 Operator : JC\MD
 Sample : VN0408WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 09 05:19:46 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)

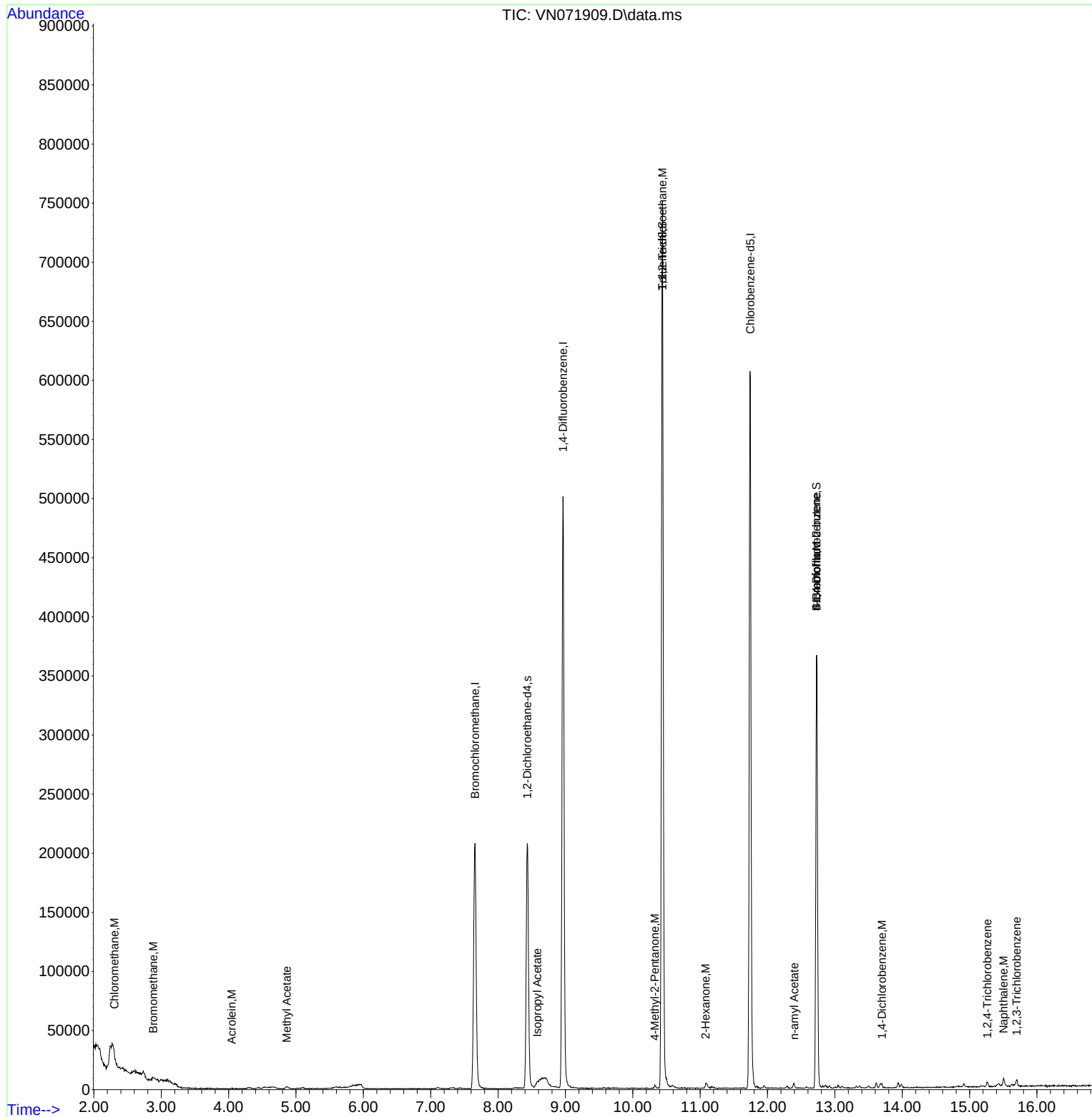
Internal Standards						
1) Bromochloromethane	7.657	128	87308	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	473849	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.745	117	398523	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.434	65	179054	29.108	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	97.033%		
60) 4-Bromofluorobenzene	12.727	95	133820	22.646	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	75.500%		
63) Toluene-d8	10.439	98	549225	30.359	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	101.200%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.305	50	1511	0.236	ug/l #	40
5) Bromomethane	2.881	94	1922	0.444	ug/l #	78
12) Methyl Acetate	4.863	43	3683	0.517	ug/l #	80
13) Acrolein	4.046	56	500	0.659	ug/l #	27
44) Isopropyl Acetate	8.581	43	3341	0.252	ug/l #	1
47) n-amyl Acetate	12.398	43	2247	0.254	ug/l	99
50) 1,1,2-Trichloroethane	10.439	97	19868	3.293	ug/l #	1
56) Bromoform	12.727	173	1122	0.233	ug/l #	1
58) 4-Methyl-2-Pentanone	10.328	43	2114	0.279	ug/l #	87
59) 2-Hexanone	11.080	43	3471	0.628	ug/l #	77
77) t-1,4-Dichloro-2-butene	12.727	75	65332	26.111	ug/l #	8
84) 1,4-Dichlorobenzene	13.698	146	1999	0.206	ug/l	71
89) 1,2,4-Trichlorobenzene	15.262	180	2252	0.495	ug/l #	94
91) Naphthalene	15.504	128	7361	7.297	ug/l #	92
92) 1,2,3-Trichlorobenzene	15.698	180	2962	0.664	ug/l	65

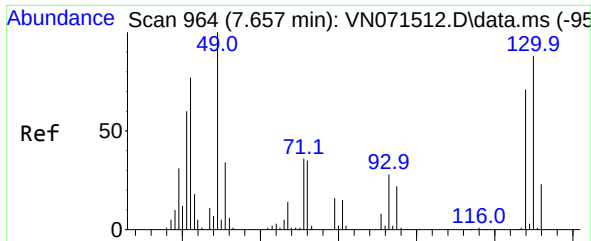
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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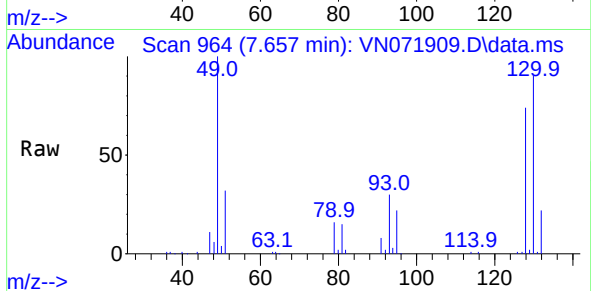
Quant Time: Apr 09 05:19:46 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032422W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Mar 24 12:03:44 2022
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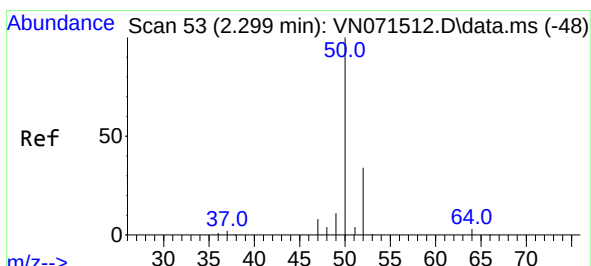
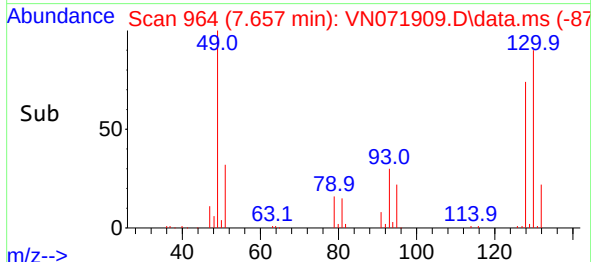
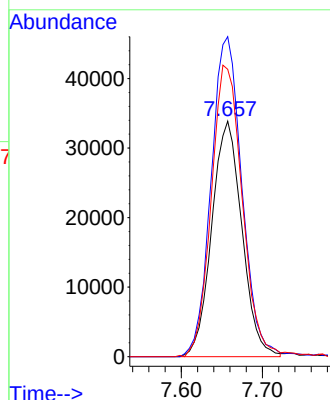


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.657 min Scan# 90
Delta R.T. 0.000 min
Lab File: VN071909.D
Acq: 08 Apr 2022 12:03

Instrument :
MSVOA_N
ClientSampleId :

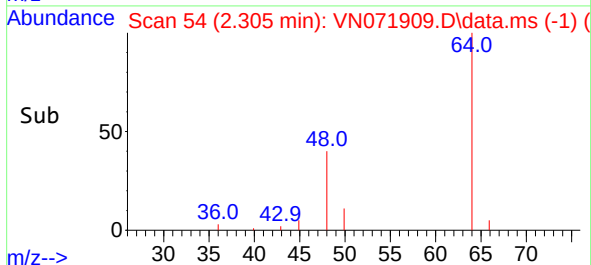
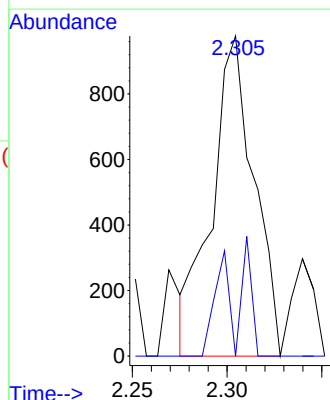
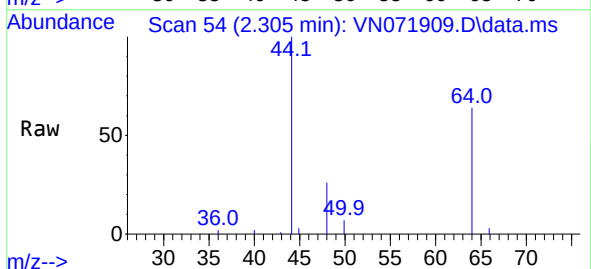


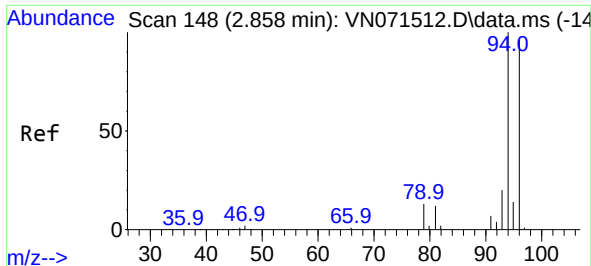
Tgt Ion:128 Resp: 87308
Ion Ratio Lower Upper
128 100
49 139.3 0.0 392.3
130 126.9 0.0 320.2



#3
Chloromethane
Concen: 0.236 ug/l
RT: 2.305 min Scan# 54
Delta R.T. 0.006 min
Lab File: VN071909.D
Acq: 08 Apr 2022 12:03

Tgt Ion: 50 Resp: 1511
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.6#

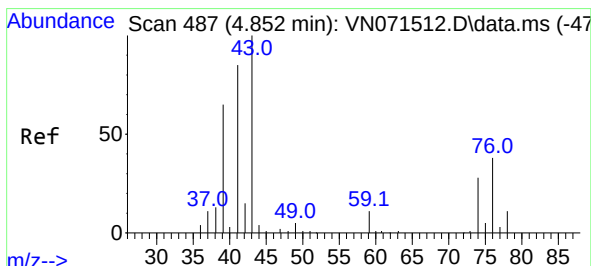
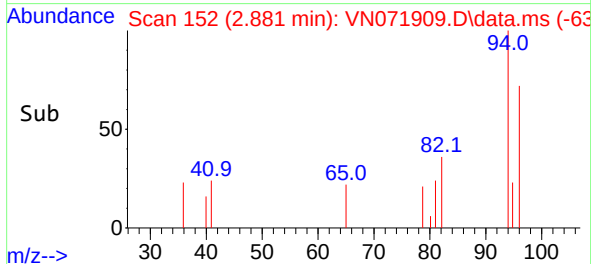
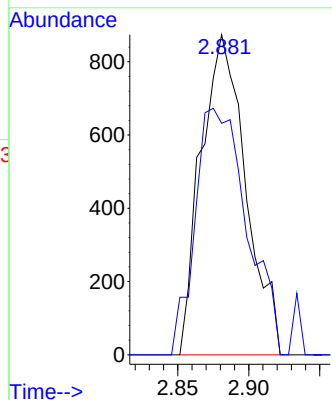
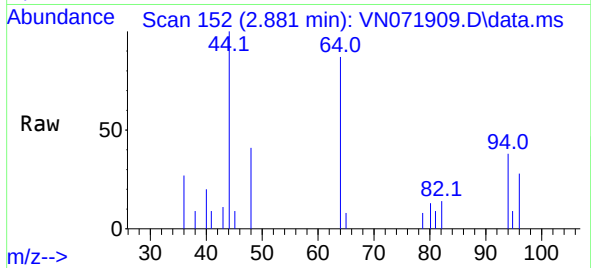




#5
Bromomethane
Concen: 0.444 ug/l
RT: 2.881 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN071909.D
Acq: 08 Apr 2022 12:03

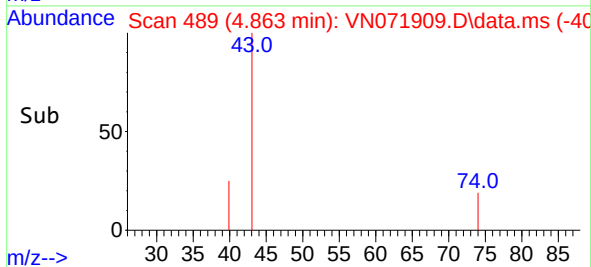
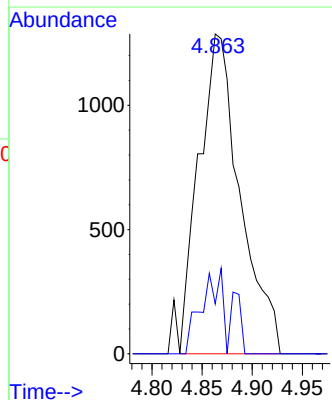
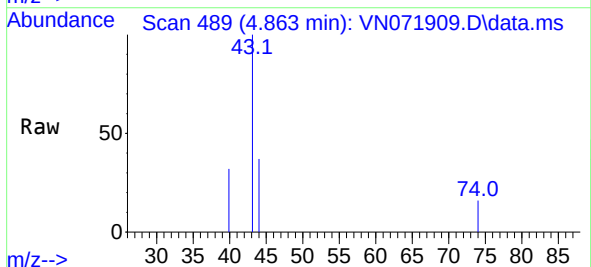
Instrument :
MSVOA_N
ClientSampleId :

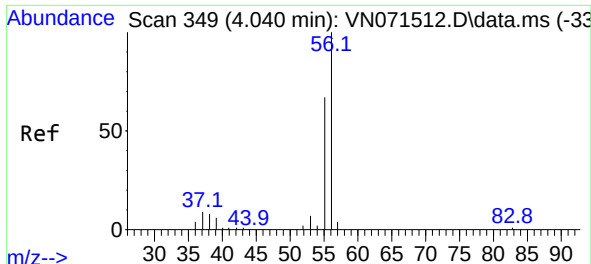
Tgt Ion: 94 Resp: 1922
Ion Ratio Lower Upper
94 100
96 72.3 75.2 112.8#



#12
Methyl Acetate
Concen: 0.517 ug/l
RT: 4.863 min Scan# 489
Delta R.T. 0.012 min
Lab File: VN071909.D
Acq: 08 Apr 2022 12:03

Tgt Ion: 43 Resp: 3683
Ion Ratio Lower Upper
43 100
74 15.6 20.8 31.2#

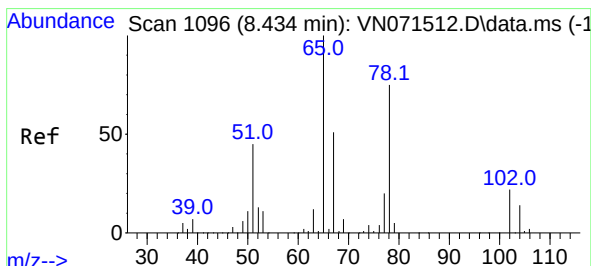
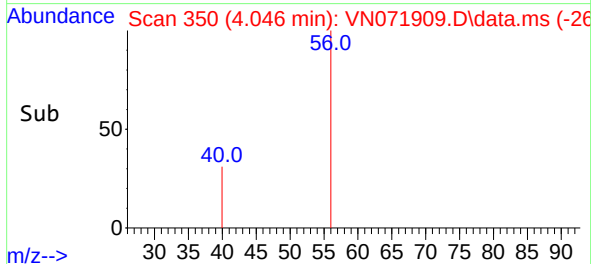
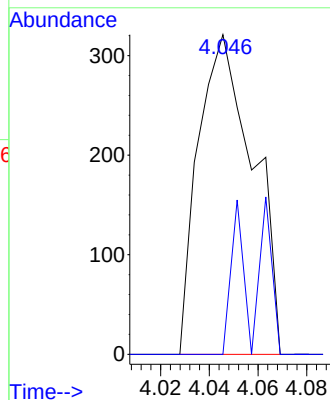
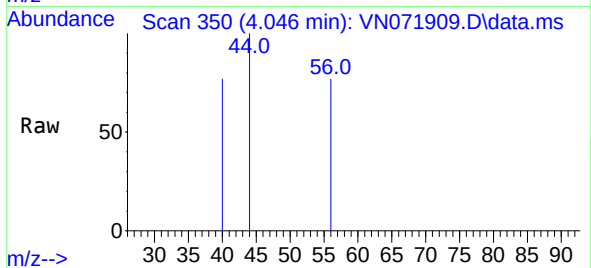




#13
Acrolein
Concen: 0.659 ug/l
RT: 4.046 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN071909.D
Acq: 08 Apr 2022 12:03

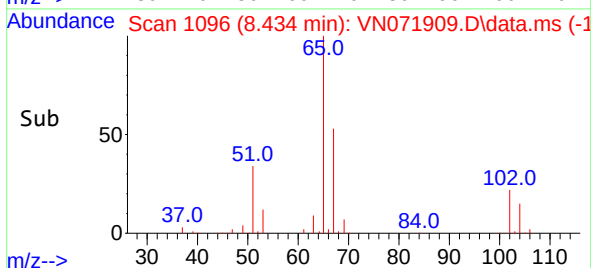
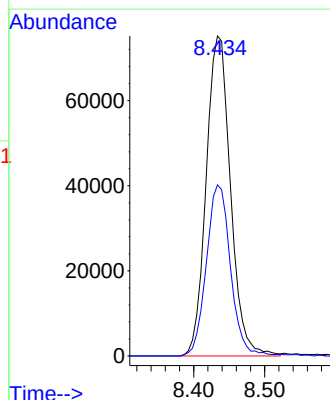
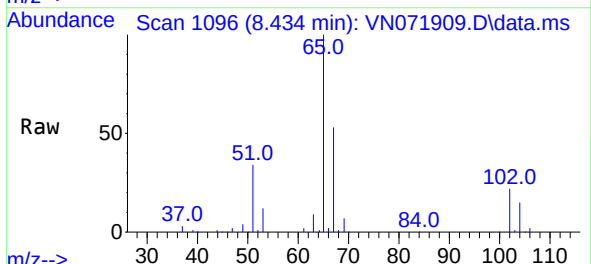
Instrument :
MSVOA_N
ClientSampleId :

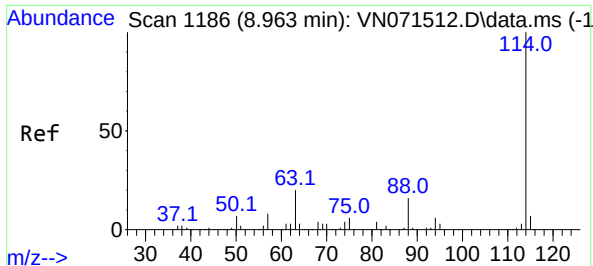
Tgt Ion: 56 Resp: 500
Ion Ratio Lower Upper
56 100
55 11.0 57.6 86.4#



#27
1,2-Dichloroethane-d4
Concen: 29.108 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN071909.D
Acq: 08 Apr 2022 12:03

Tgt Ion: 65 Resp: 179054
Ion Ratio Lower Upper
65 100
67 52.9 40.2 60.2

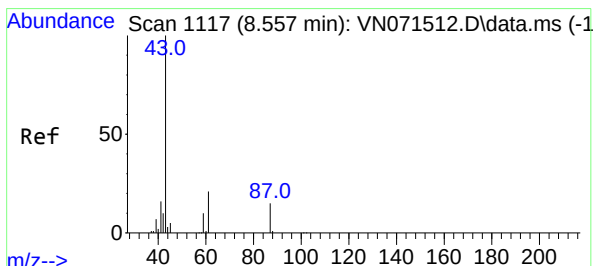
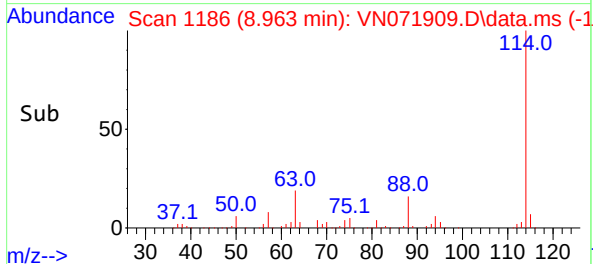
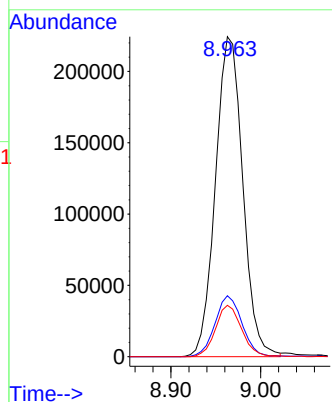
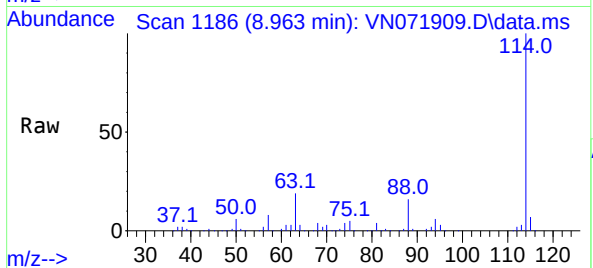




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071909.D
Acq: 08 Apr 2022 12:03

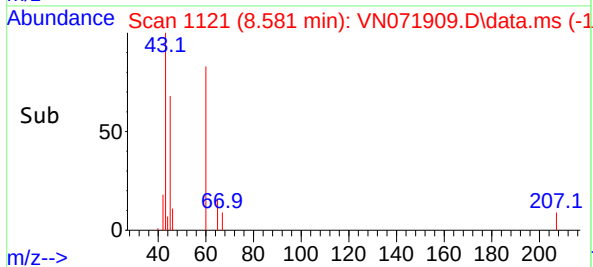
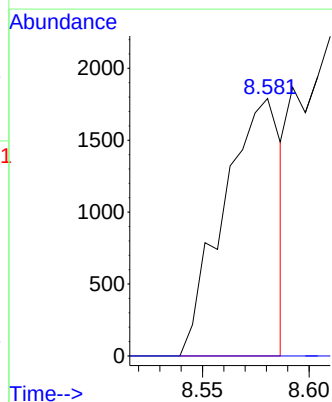
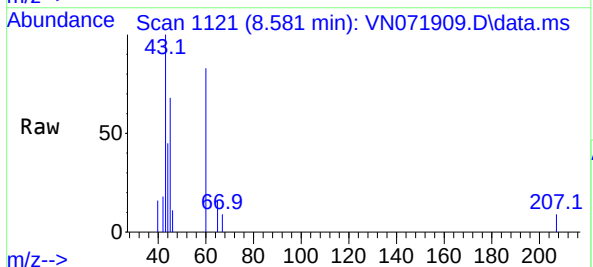
Instrument :
MSVOA_N
ClientSampleId :

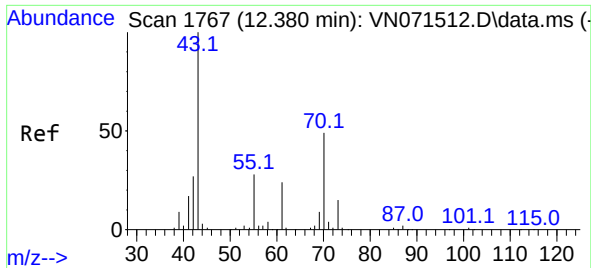
Tgt Ion:114 Resp: 473849
Ion Ratio Lower Upper
114 100
63 18.9 15.8 23.6
88 15.4 11.6 17.4



#44
Isopropyl Acetate
Concen: 0.252 ug/l
RT: 8.581 min Scan# 1121
Delta R.T. 0.023 min
Lab File: VN071909.D
Acq: 08 Apr 2022 12:03

Tgt Ion: 43 Resp: 3341
Ion Ratio Lower Upper
43 100
61 99.9 20.1 30.1#

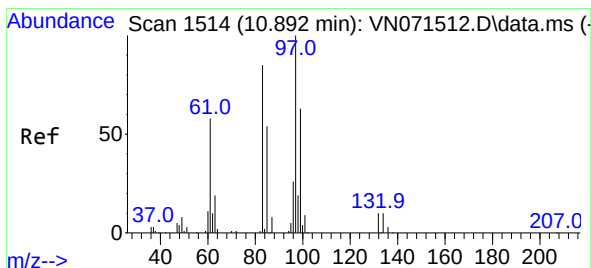
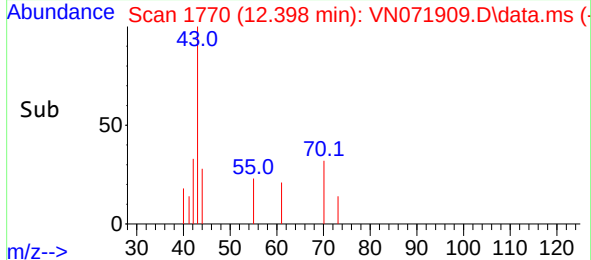
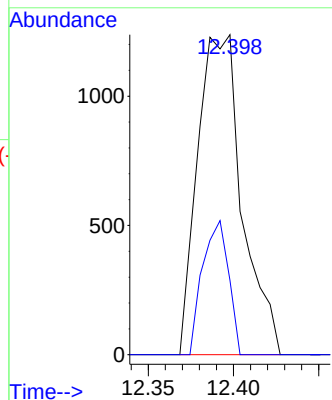
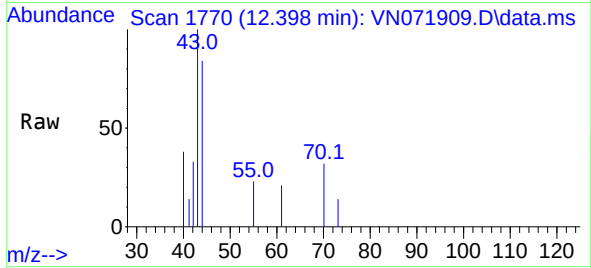




#47
n-amy1 Acetate
Concen: 0.254 ug/l
RT: 12.398 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN071909.D
Acq: 08 Apr 2022 12:03

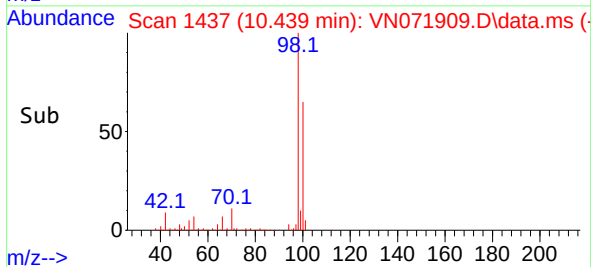
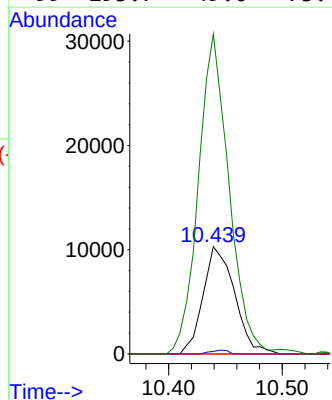
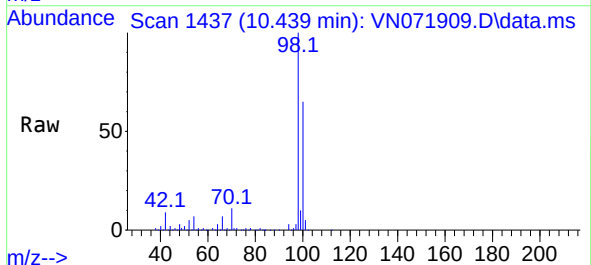
Instrument :
MSVOA_N
ClientSampleId :

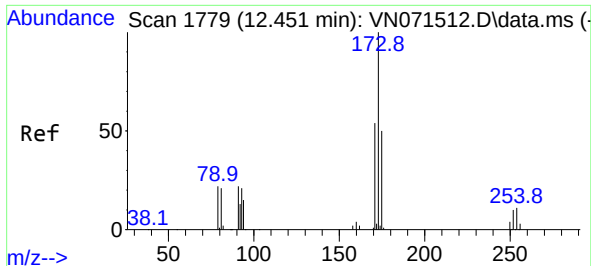
Tgt Ion: 43 Resp: 2247
Ion Ratio Lower Upper
43 100
55 24.5 19.0 28.6



#50
1,1,2-Trichloroethane
Concen: 3.293 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. -0.453 min
Lab File: VN071909.D
Acq: 08 Apr 2022 12:03

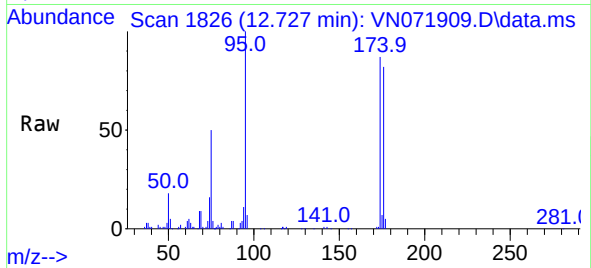
Tgt Ion: 97 Resp: 19868
Ion Ratio Lower Upper
97 100
83 2.5 67.2 100.8#
85 0.0 43.0 64.4#
99 293.7 49.0 73.4#



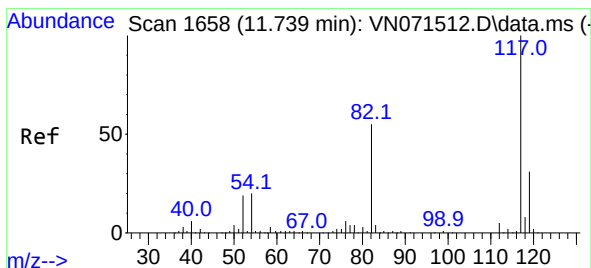
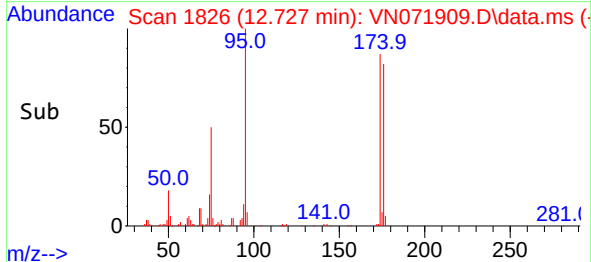
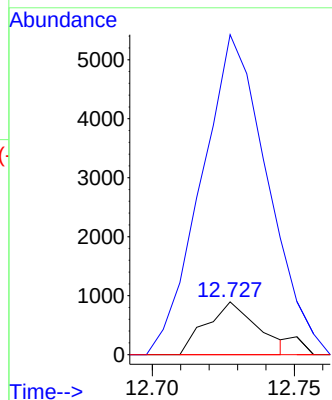


#56
Bromoform
Concen: 0.233 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.276 min
Lab File: VN071909.D
Acq: 08 Apr 2022 12:03

Instrument :
MSVOA_N
ClientSampleId :

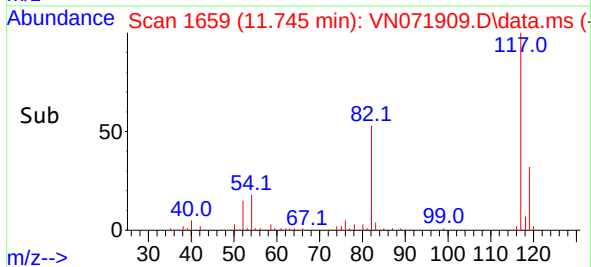
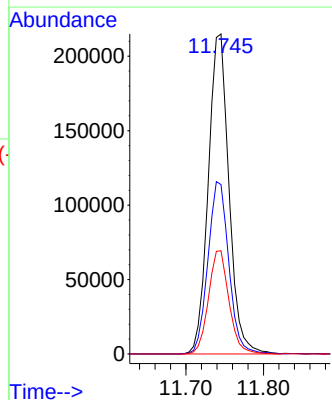
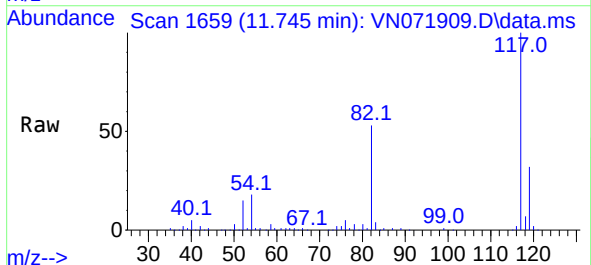


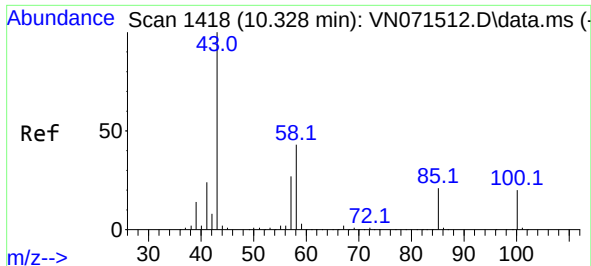
Tgt Ion:173 Resp: 1122
Ion Ratio Lower Upper
173 100
175 784.2 38.6 58.0#
254 0.0 0.0 0.0



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.745 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VN071909.D
Acq: 08 Apr 2022 12:03

Tgt Ion:117 Resp: 398523
Ion Ratio Lower Upper
117 100
82 54.4 43.6 65.4
119 32.0 25.8 38.6





#58

4-Methyl-2-Pentanone

Concen: 0.279 ug/l

RT: 10.328 min Scan# 1418

Delta R.T. -0.000 min

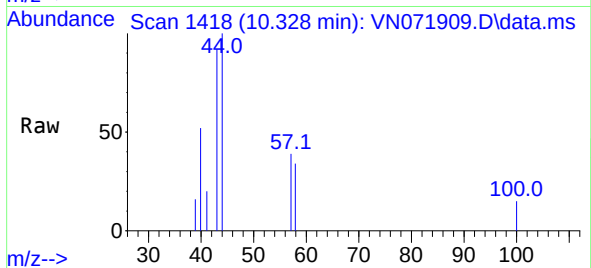
Lab File: VN071909.D

Acq: 08 Apr 2022 12:03

Instrument :

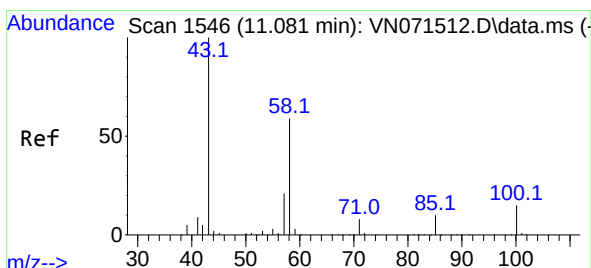
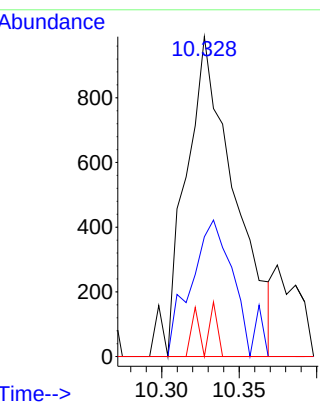
MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 2114

Ion	Ratio	Lower	Upper
43	100		
58	36.6	30.0	45.0
85	2.8	15.0	22.6#



#59

2-Hexanone

Concen: 0.628 ug/l

RT: 11.080 min Scan# 1546

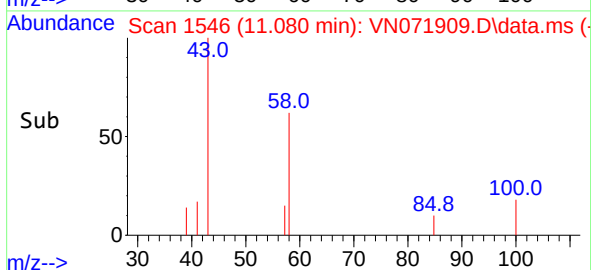
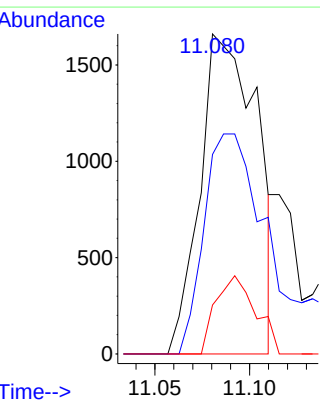
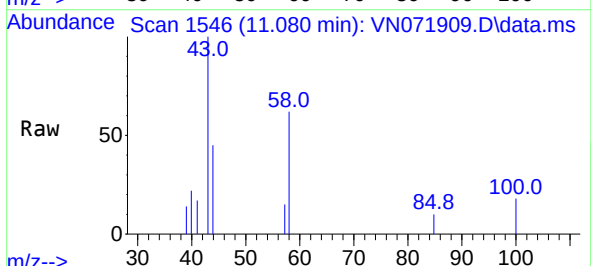
Delta R.T. -0.000 min

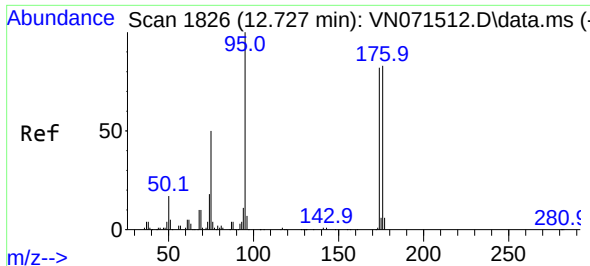
Lab File: VN071909.D

Acq: 08 Apr 2022 12:03

Tgt Ion: 43 Resp: 3471

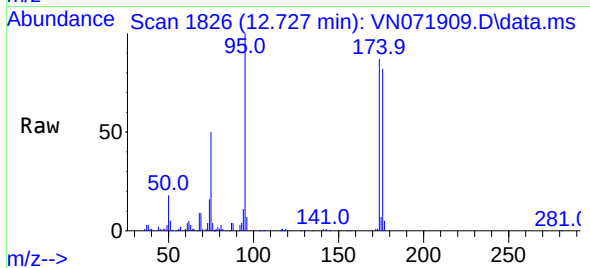
Ion	Ratio	Lower	Upper
43	100		
58	74.3	42.2	63.2#
57	17.1	15.0	22.4



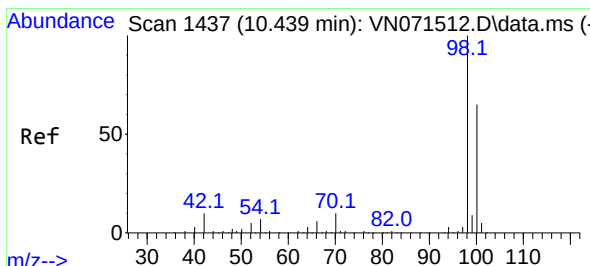
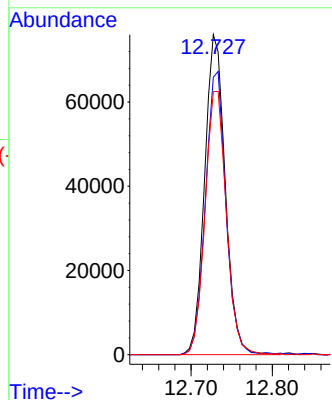
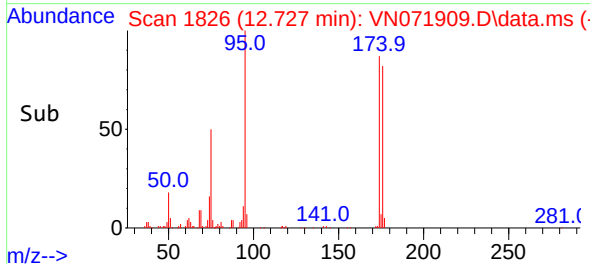


#60
4-Bromofluorobenzene
Concen: 22.646 ug/l
RT: 12.727 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN071909.D
Acq: 08 Apr 2022 12:03

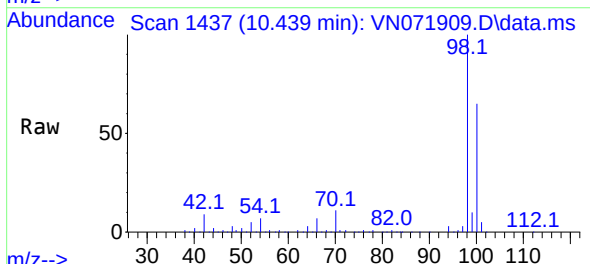
Instrument :
MSVOA_N
ClientSampleId :



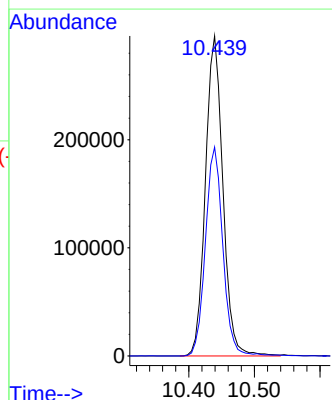
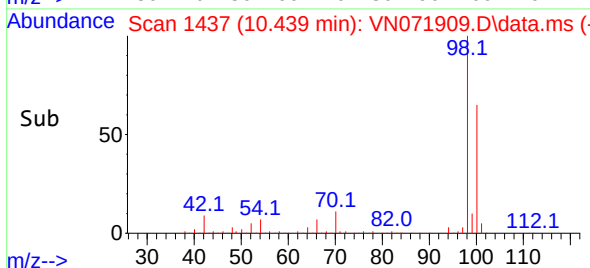
Tgt Ion: 95 Resp: 133820
Ion Ratio Lower Upper
95 100
174 88.1 62.9 94.3
176 85.0 61.0 91.4

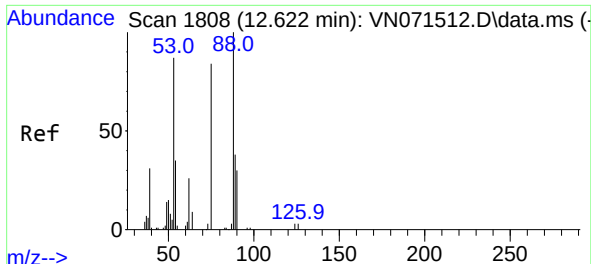


#63
Toluene-d8
Concen: 30.359 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VN071909.D
Acq: 08 Apr 2022 12:03



Tgt Ion: 98 Resp: 549225
Ion Ratio Lower Upper
98 100
100 64.7 50.6 76.0

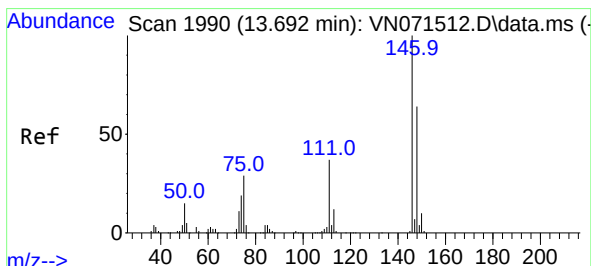
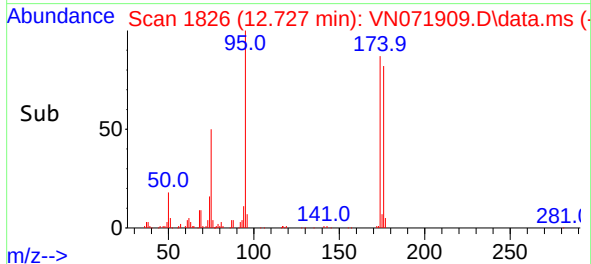
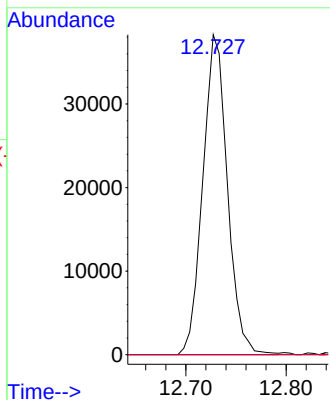
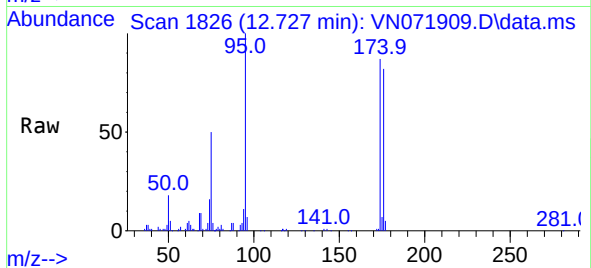




#77
t-1,4-Dichloro-2-butene
Concen: 26.111 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN071909.D
Acq: 08 Apr 2022 12:03

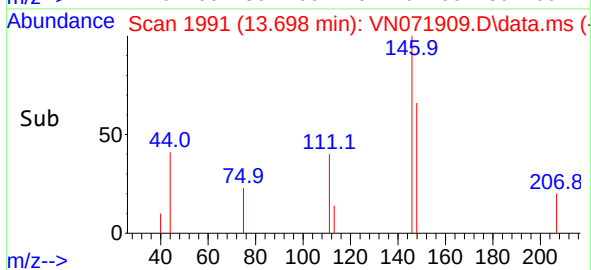
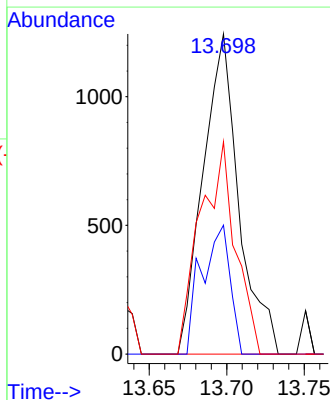
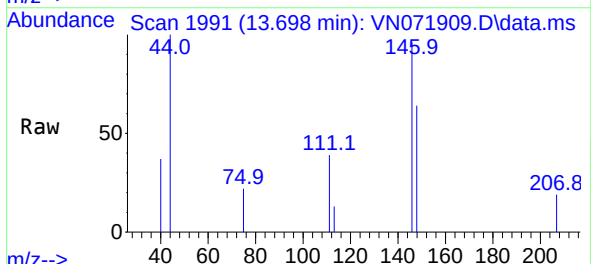
Instrument :
MSVOA_N
ClientSampleId :

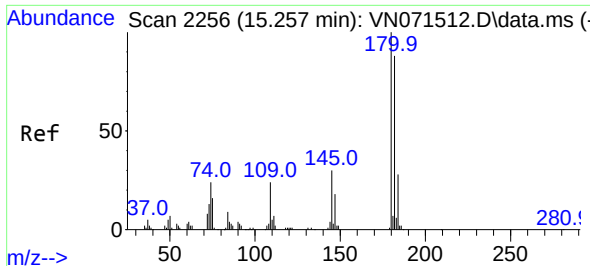
Tgt Ion: 75 Resp: 65332
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.5#
89 0.0 22.9 68.7#



#84
1,4-Dichlorobenzene
Concen: 0.206 ug/l
RT: 13.698 min Scan# 1991
Delta R.T. 0.006 min
Lab File: VN071909.D
Acq: 08 Apr 2022 12:03

Tgt Ion:146 Resp: 1999
Ion Ratio Lower Upper
146 100
111 31.9 19.5 58.5
148 31.2 31.1 93.5

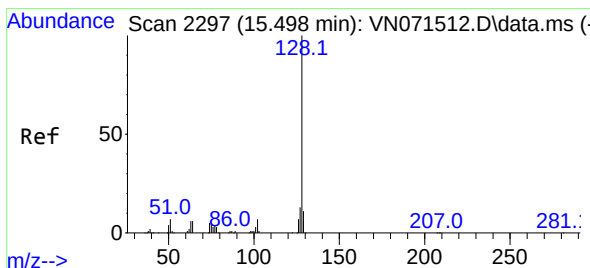
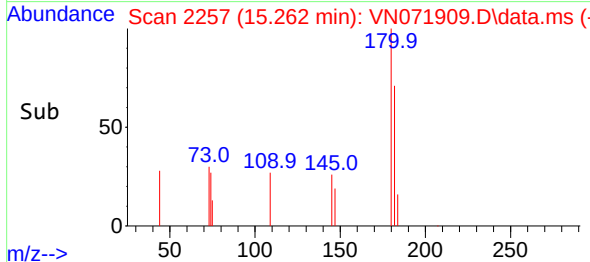
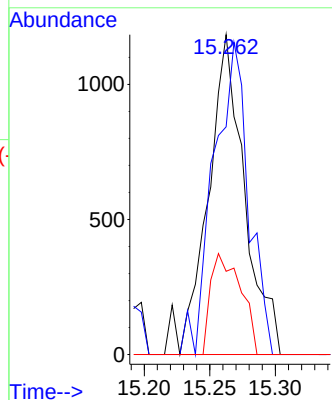
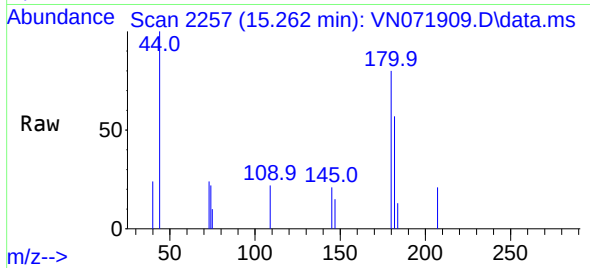




#89
1,2,4-Trichlorobenzene
Concen: 0.495 ug/l
RT: 15.262 min Scan# 2256
Delta R.T. 0.006 min
Lab File: VN071909.D
Acq: 08 Apr 2022 12:03

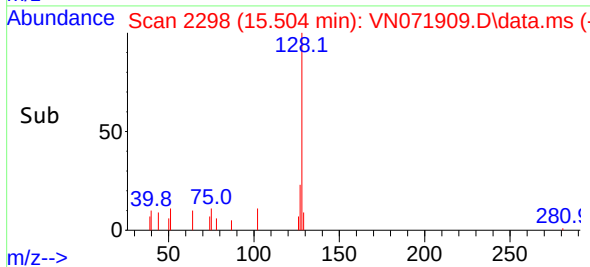
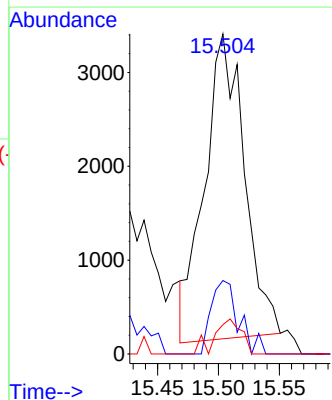
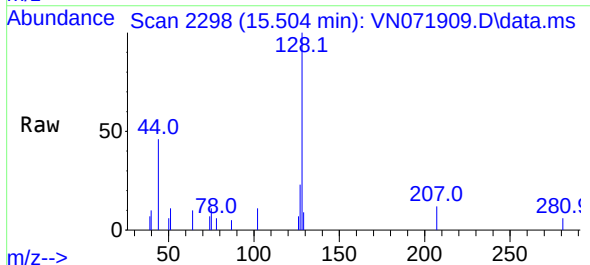
Instrument :
MSVOA_N
ClientSampleId :

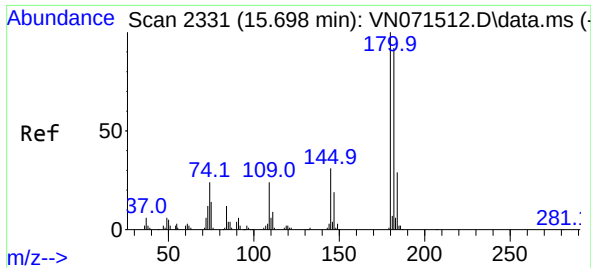
Tgt Ion:180 Resp: 2252
Ion Ratio Lower Upper
180 100
182 92.6 77.7 116.5
145 26.6 26.6 39.8#



#91
Naphthalene
Concen: 7.297 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VN071909.D
Acq: 08 Apr 2022 12:03

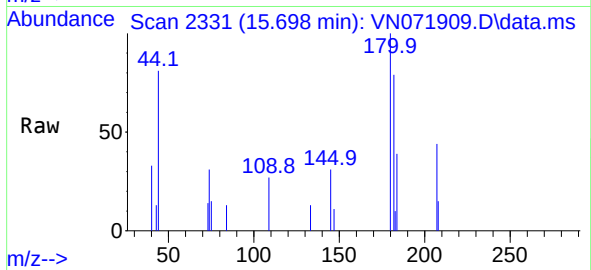
Tgt Ion:128 Resp: 7361
Ion Ratio Lower Upper
128 100
127 15.6 10.7 16.1
129 6.8 9.0 13.6#





#92
 1,2,3-Trichlorobenzene
 Concen: 0.664 ug/l
 RT: 15.698 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN071909.D
 Acq: 08 Apr 2022 12:03

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 2962

Ion	Ratio	Lower	Upper
180	100		
182	54.9	0.0	190.0
145	22.9	0.0	67.8

