

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021722\
 Data File : VN070984.D
 Acq On : 17 Feb 2022 17:08
 Operator : JC\MD
 Sample : N1581-11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MH-118.5N-20220215

Quant Time: Feb 18 00:47:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021522W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 16 07:52:42 2022
 Response via : Initial Calibration

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

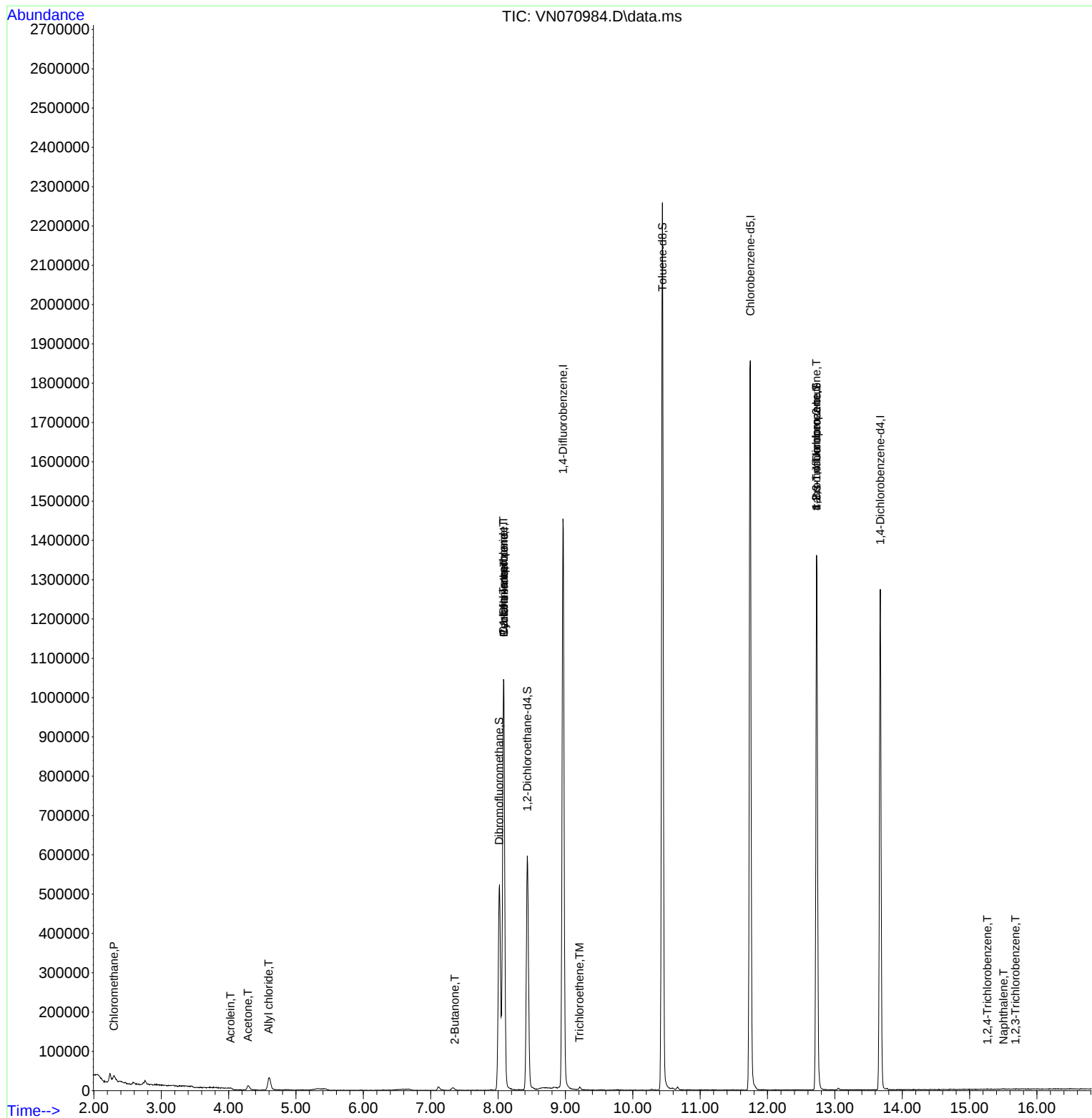
Internal Standards						
1) Pentafluorobenzene	8.086	168	832478	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1299748	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.745	117	1116728	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	362183	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	487248	51.238	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 102.480%	
35) Dibromofluoromethane	8.016	113	390851	50.557	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 101.120%	
50) Toluene-d8	10.439	98	1542911	49.696	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 99.400%	
62) 4-Bromofluorobenzene	12.727	95	477479	43.026	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 86.060%	
Target Compounds						Qvalue
3) Chloromethane	2.299	50	2898	0.267	ug/l	96
13) Acrolein	4.028	56	656	0.424	ug/l	88
14) Allyl chloride	4.593	41	5824	0.375	ug/l #	73
16) Acetone	4.287	43	16757	3.200	ug/l	97
18) Methyl Acetate	4.863	43	3714	Below Cal	#	72
25) 2-Butanone	7.357	43	2409	0.346	ug/l #	48
31) Cyclohexane	8.086	56	16474	1.002	ug/l #	6
36) 1,1-Dichloropropene	8.081	75	59973	4.735	ug/l #	49
38) Carbon Tetrachloride	8.081	117	75729	6.068	ug/l #	16
44) Trichloroethene	9.210	130	2263	0.229	ug/l	26
76) 1,2,3-Trichloropropane	12.727	75	244638	28.688	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	244638	92.961	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.262	180	128	2.017	ug/l #	82
95) Naphthalene	15.504	128	1717	5.085	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.680	180	56	2.525	ug/l #	12

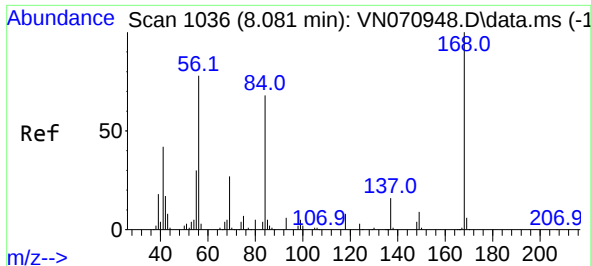
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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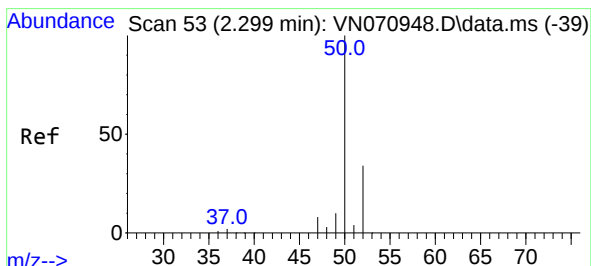
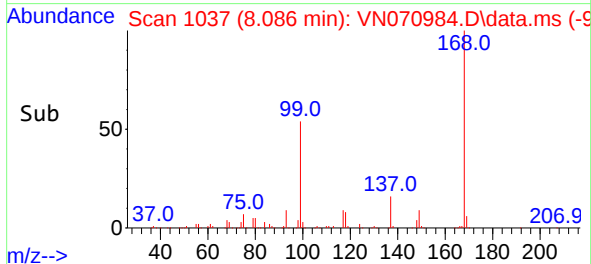
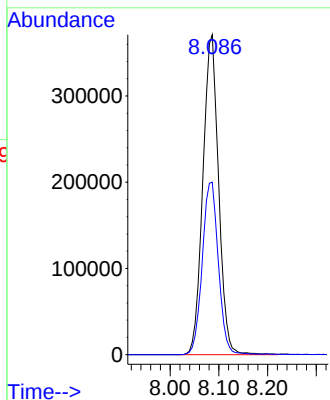
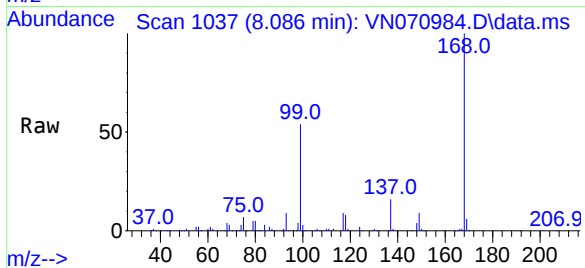




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. 0.005 min
Lab File: VN070984.D
Acq: 17 Feb 2022 17:08

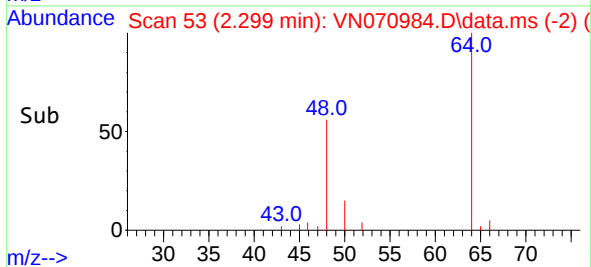
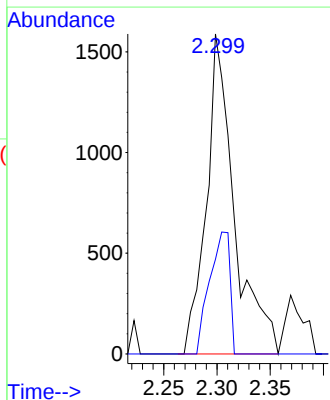
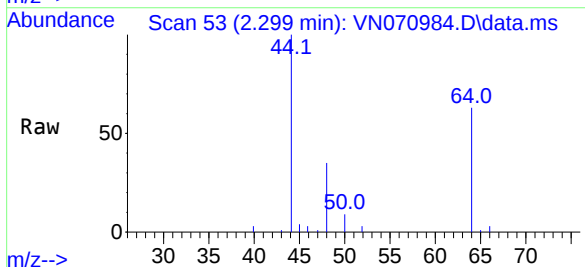
Instrument :
MSVOA_N
ClientSampleId :
MH-118.5N-20220215

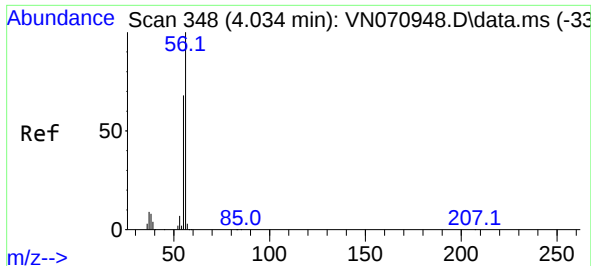
Tgt Ion:168 Resp: 832478
Ion Ratio Lower Upper
168 100
99 53.9 41.3 61.9



#3
Chloromethane
Concen: 0.267 ug/l
RT: 2.299 min Scan# 53
Delta R.T. 0.000 min
Lab File: VN070984.D
Acq: 17 Feb 2022 17:08

Tgt Ion: 50 Resp: 2898
Ion Ratio Lower Upper
50 100
52 29.6 25.4 38.0

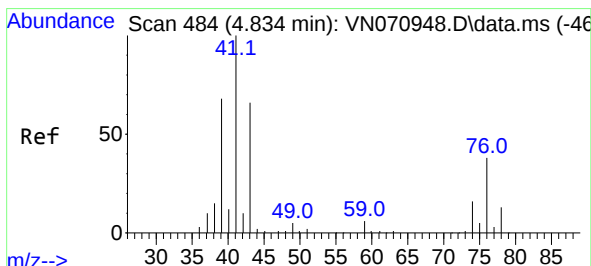
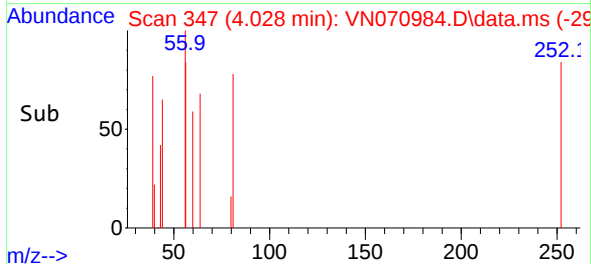
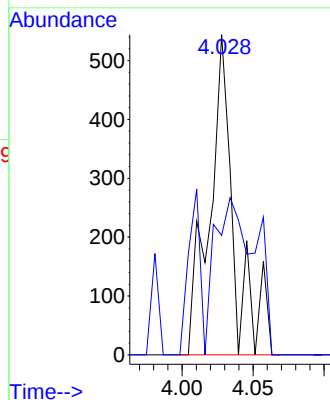
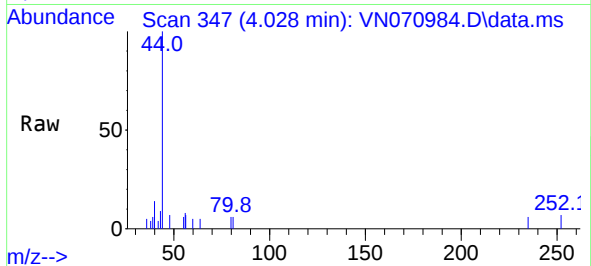




#13
Acrolein
Concen: 0.424 ug/l
RT: 4.028 min Scan# 34
Delta R.T. -0.006 min
Lab File: VN070984.D
Acq: 17 Feb 2022 17:08

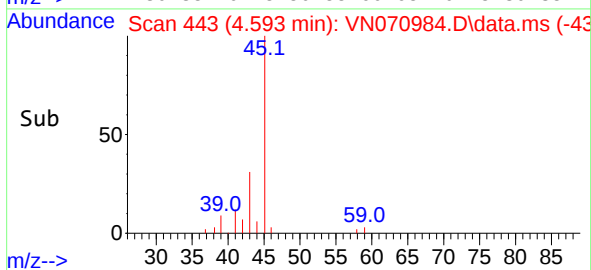
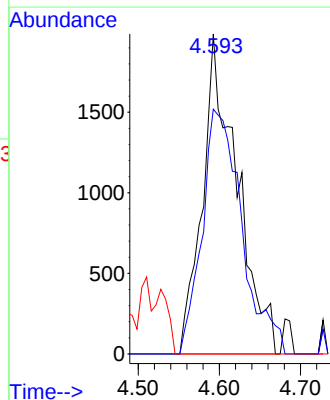
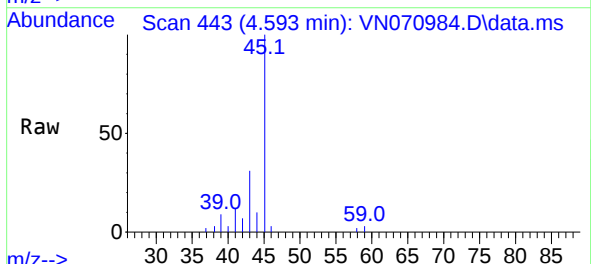
Instrument :
MSVOA_N
ClientSampleId :
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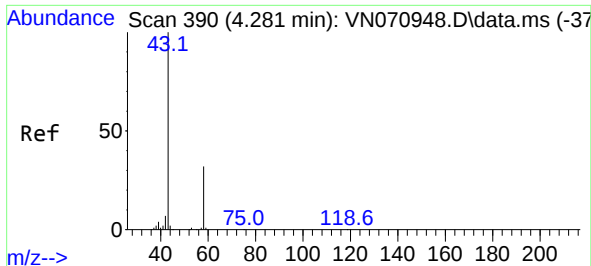
Tgt Ion: 56 Resp: 656
Ion Ratio Lower Upper
56 100
55 80.6 56.6 85.0



#14
Allyl chloride
Concen: 0.375 ug/l
RT: 4.593 min Scan# 443
Delta R.T. -0.241 min
Lab File: VN070984.D
Acq: 17 Feb 2022 17:08

Tgt Ion: 41 Resp: 5824
Ion Ratio Lower Upper
41 100
39 88.3 61.2 91.8
76 0.0 26.0 39.0#

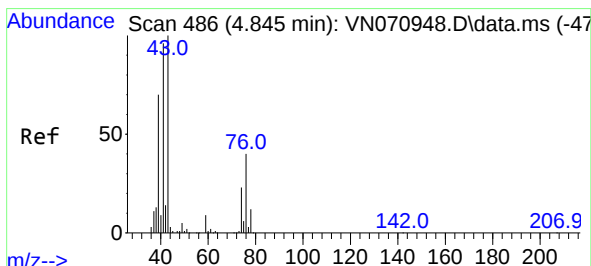
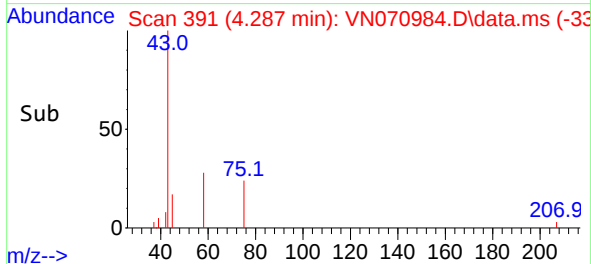
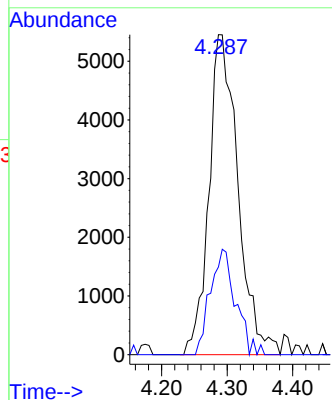
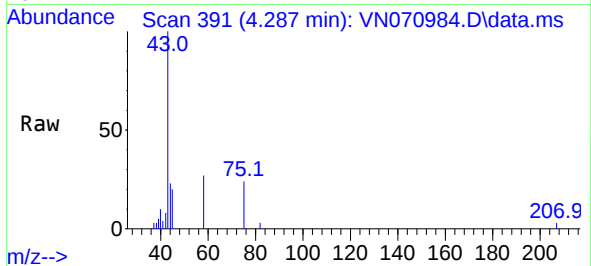




#16
Acetone
Concen: 3.200 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.006 min
Lab File: VN070984.D
Acq: 17 Feb 2022 17:08

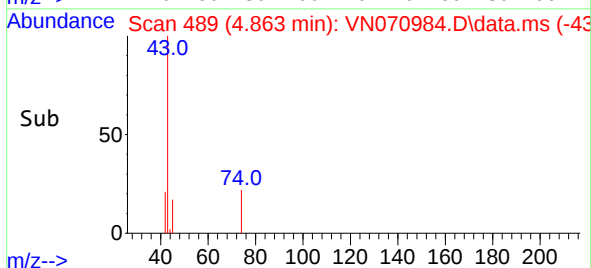
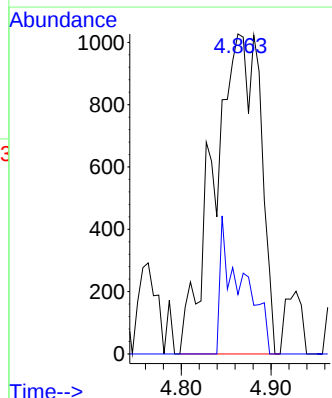
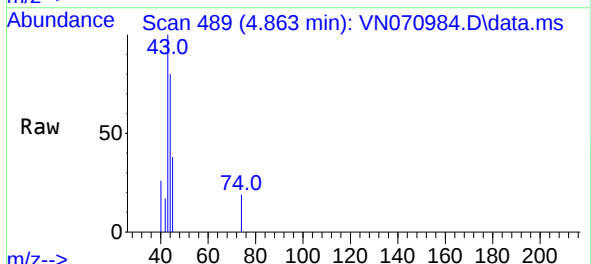
Instrument :
MSVOA_N
ClientSampleId :
MH-118.5N-20220215

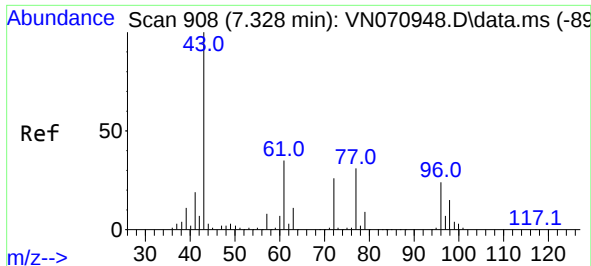
Tgt Ion: 43 Resp: 16757
Ion Ratio Lower Upper
43 100
58 27.4 23.1 34.7



#18
Methyl Acetate
Concen: Below Cal
RT: 4.863 min Scan# 489
Delta R.T. 0.018 min
Lab File: VN070984.D
Acq: 17 Feb 2022 17:08

Tgt Ion: 43 Resp: 3714
Ion Ratio Lower Upper
43 100
74 10.6 19.4 29.2#

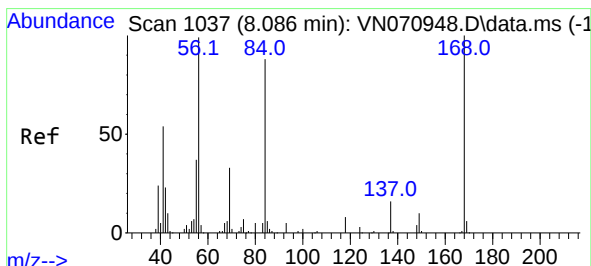
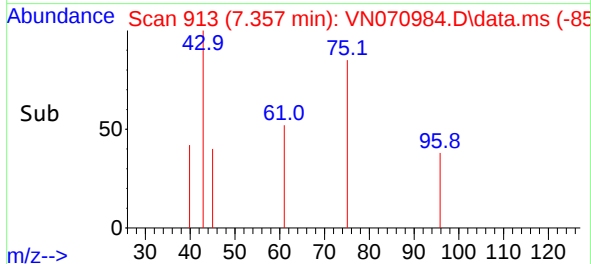
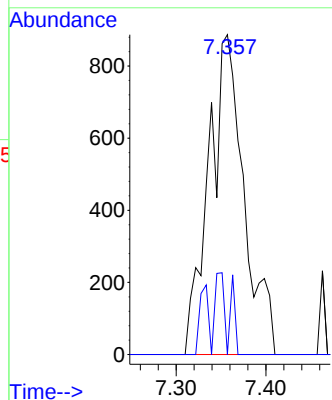
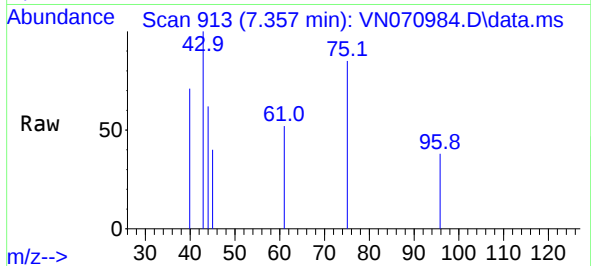




#25
2-Butanone
Concen: 0.346 ug/l
RT: 7.357 min Scan# 913
Delta R.T. 0.029 min
Lab File: VN070984.D
Acq: 17 Feb 2022 17:08

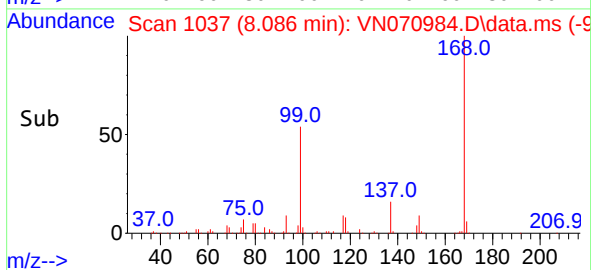
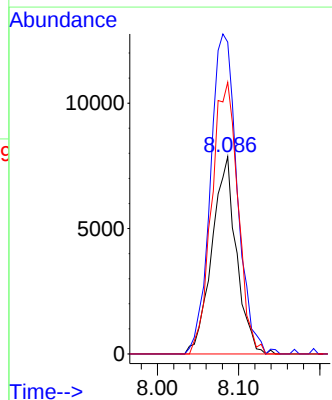
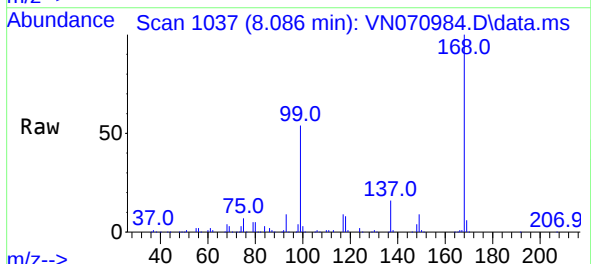
Instrument :
MSVOA_N
ClientSampleId :
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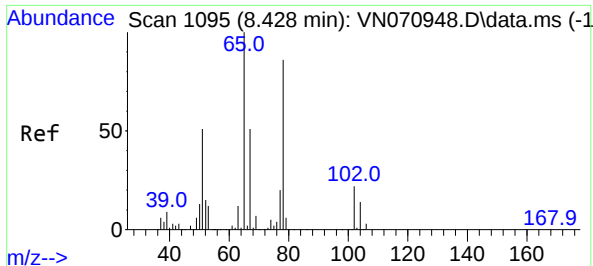
Tgt Ion: 43 Resp: 2409
Ion Ratio Lower Upper
43 100
72 0.0 21.7 32.5#



#31
Cyclohexane
Concen: 1.002 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VN070984.D
Acq: 17 Feb 2022 17:08

Tgt Ion: 56 Resp: 16474
Ion Ratio Lower Upper
56 100
69 158.0 27.1 40.7#
84 137.7 73.4 110.0#

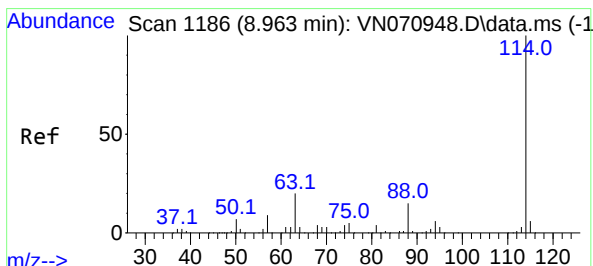
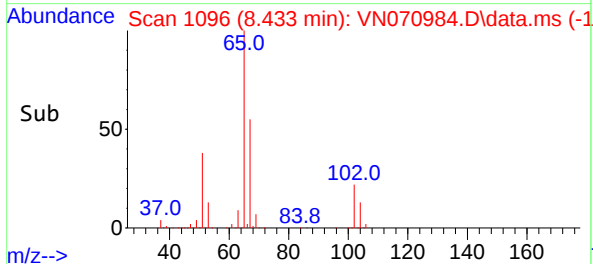
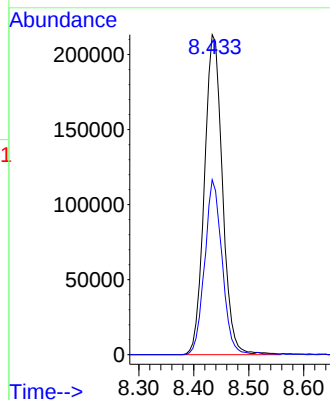
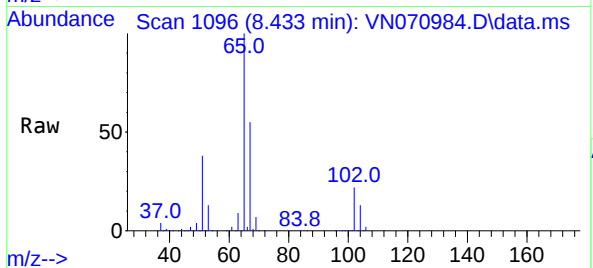




#33
1,2-Dichloroethane-d4
Concen: 51.238 ug/l
RT: 8.433 min Scan# 1095
Delta R.T. 0.006 min
Lab File: VN070984.D
Acq: 17 Feb 2022 17:08

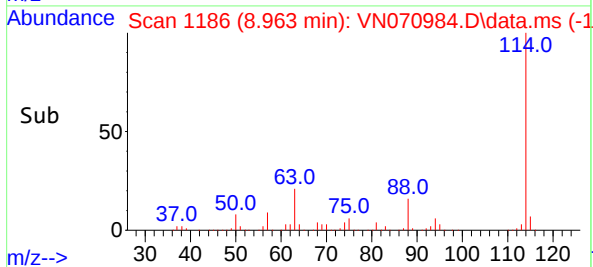
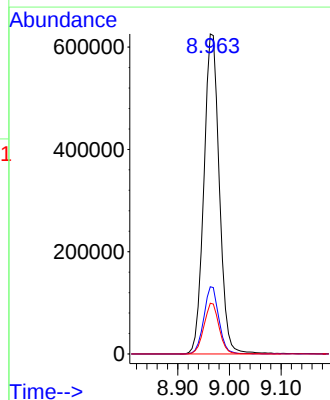
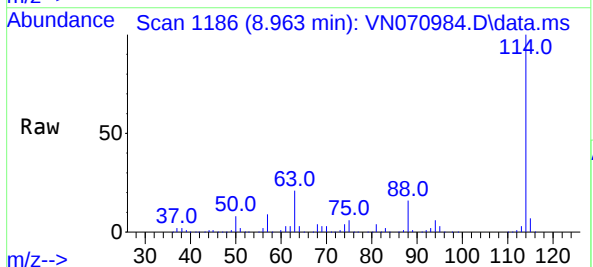
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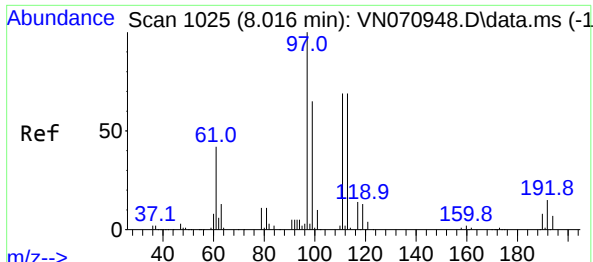
Tgt Ion: 65 Resp: 487248
Ion Ratio Lower Upper
65 100
67 52.5 0.0 103.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. 0.000 min
Lab File: VN070984.D
Acq: 17 Feb 2022 17:08

Tgt Ion: 114 Resp: 1299748
Ion Ratio Lower Upper
114 100
63 21.0 0.0 37.8
88 15.8 0.0 27.4

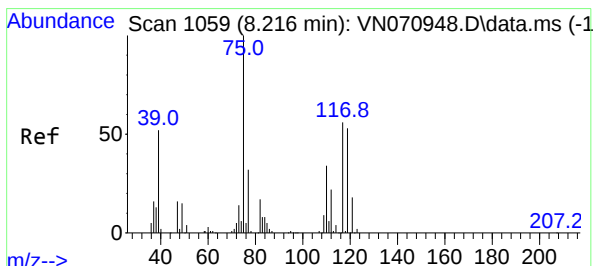
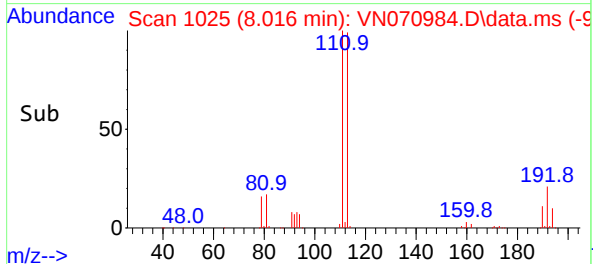
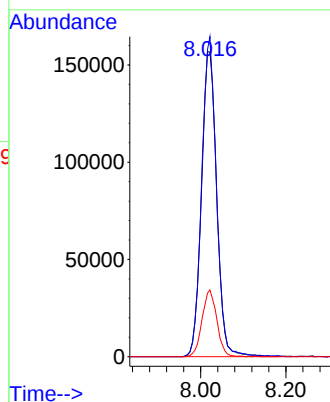
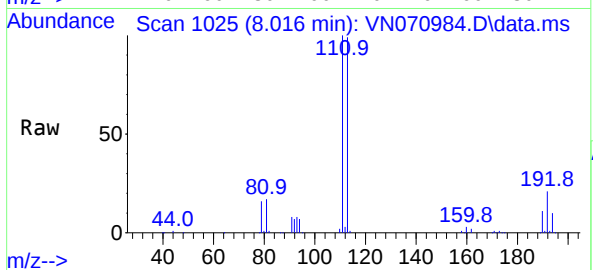




#35
Dibromofluoromethane
Concen: 50.557 ug/l
RT: 8.016 min Scan# 1035
Delta R.T. 0.000 min
Lab File: VN070984.D
Acq: 17 Feb 2022 17:08

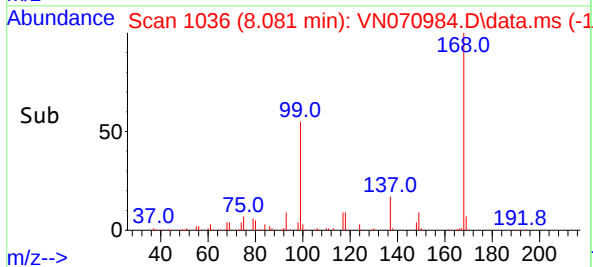
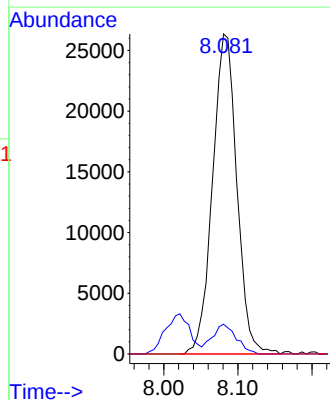
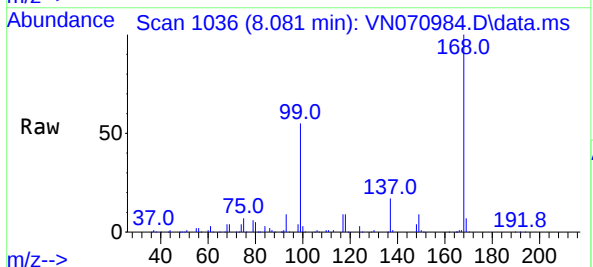
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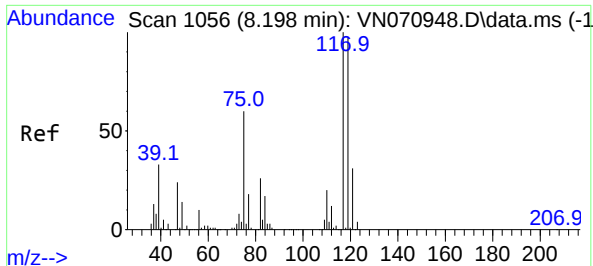
Tgt Ion:113 Resp: 390851
Ion Ratio Lower Upper
113 100
111 100.8 82.2 123.2
192 21.1 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.735 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN070984.D
Acq: 17 Feb 2022 17:08

Tgt Ion: 75 Resp: 59973
Ion Ratio Lower Upper
75 100
110 9.2 18.4 55.2#
77 0.0 24.4 36.6#

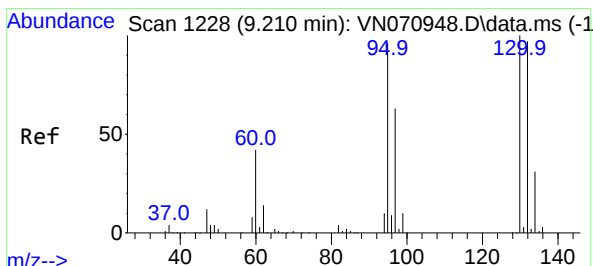
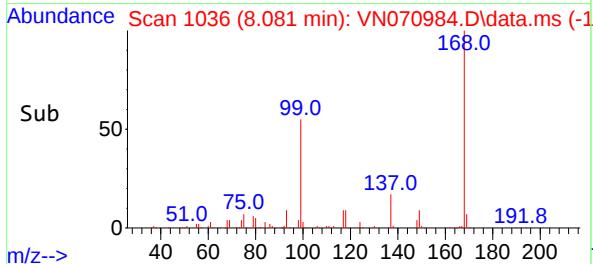
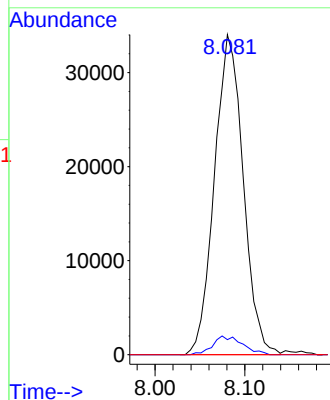
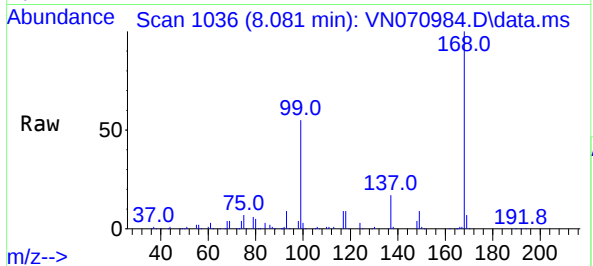




#38
Carbon Tetrachloride
Concen: 6.068 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.118 min
Lab File: VN070984.D
Acq: 17 Feb 2022 17:08

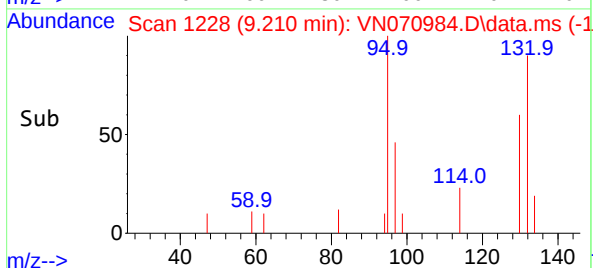
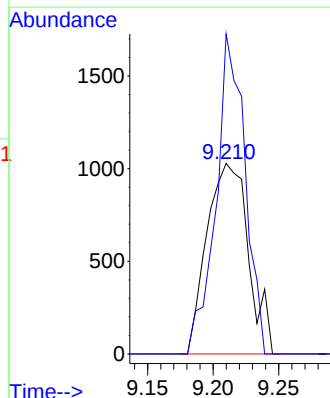
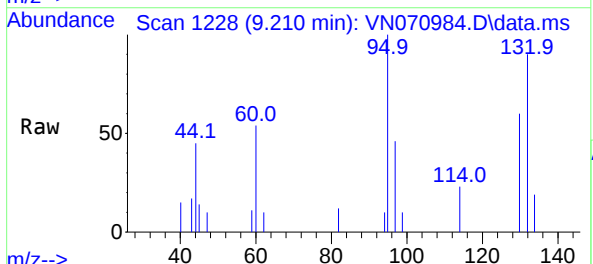
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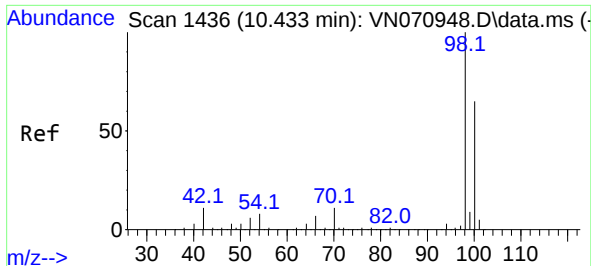
Tgt Ion:117 Resp: 75729
Ion Ratio Lower Upper
117 100
119 4.7 76.1 114.1#
121 0.0 24.2 36.2#



#44
Trichloroethene
Concen: 0.229 ug/l
RT: 9.210 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VN070984.D
Acq: 17 Feb 2022 17:08

Tgt Ion:130 Resp: 2263
Ion Ratio Lower Upper
130 100
95 168.0 0.0 191.2

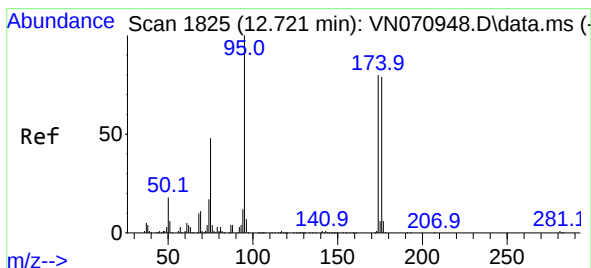
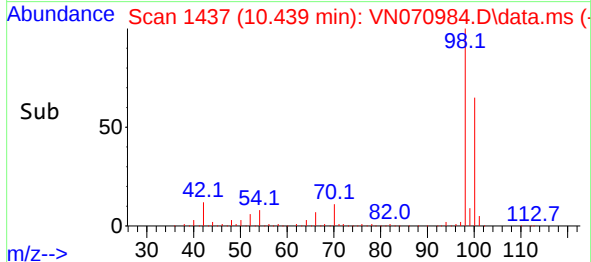
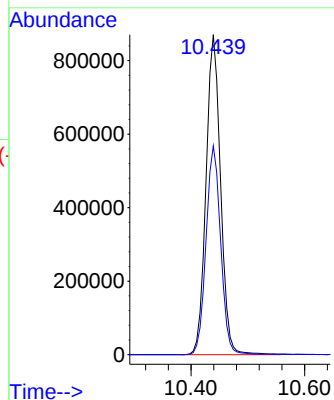
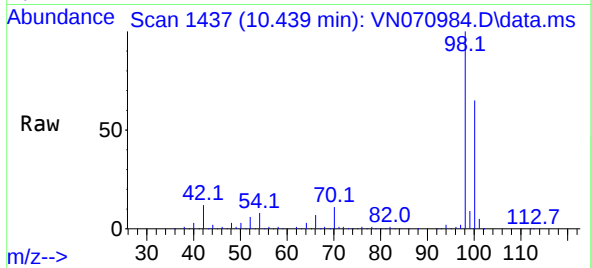




#50
Toluene-d8
Concen: 49.696 ug/l
RT: 10.439 min Scan# 1436
Delta R.T. 0.006 min
Lab File: VN070984.D
Acq: 17 Feb 2022 17:08

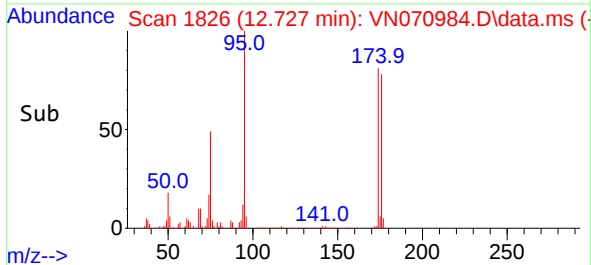
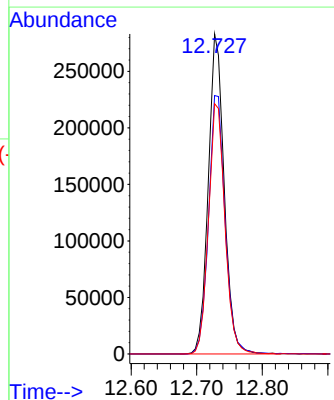
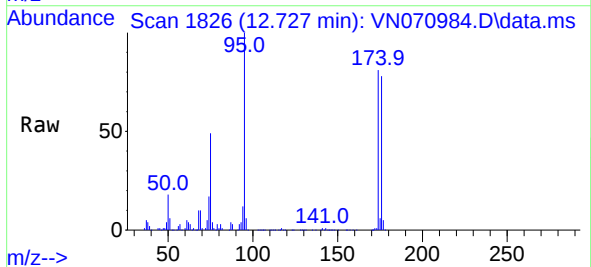
Instrument :
MSVOA_N
ClientSampleId :
MH-118.5N-20220215

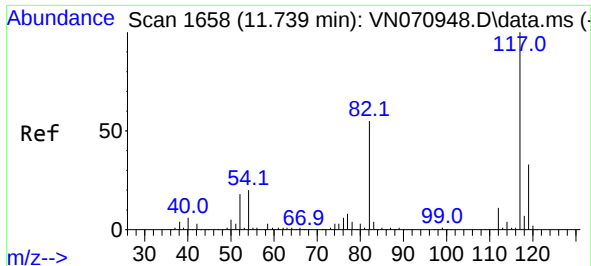
Tgt Ion: 98 Resp: 1542911
Ion Ratio Lower Upper
98 100
100 65.5 50.4 75.6



#62
4-Bromofluorobenzene
Concen: 43.026 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.006 min
Lab File: VN070984.D
Acq: 17 Feb 2022 17:08

Tgt Ion: 95 Resp: 477479
Ion Ratio Lower Upper
95 100
174 83.8 0.0 187.2
176 80.9 0.0 181.4



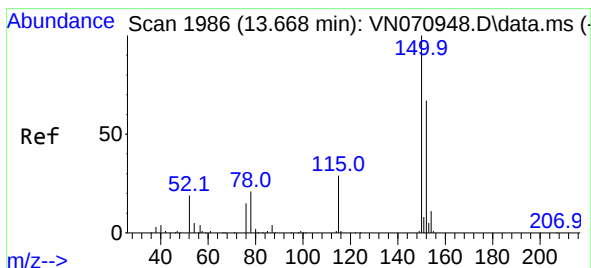
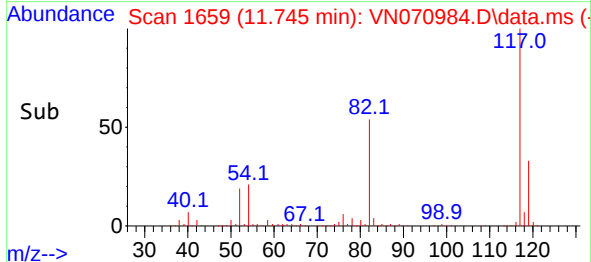
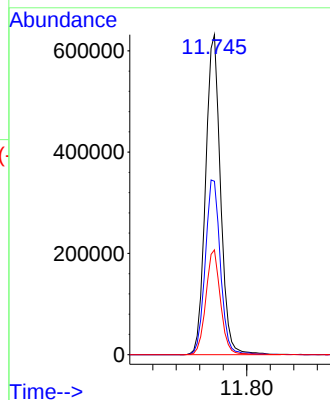
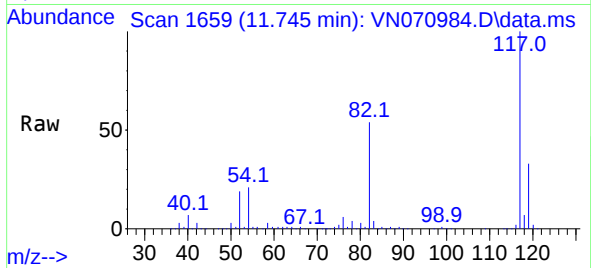


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.745 min Scan# 1116728
Delta R.T. 0.006 min
Lab File: VN070984.D
Acq: 17 Feb 2022 17:08

Instrument :
MSVOA_N
ClientSampleId :
MH-118.5N-20220215

Tgt Ion:117 Resp: 1116728

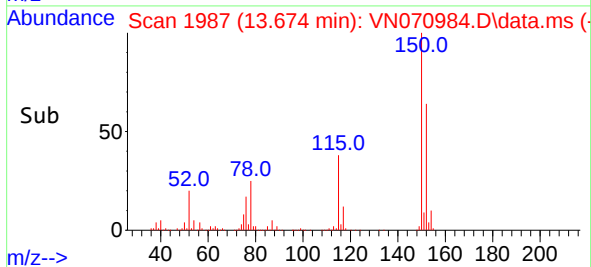
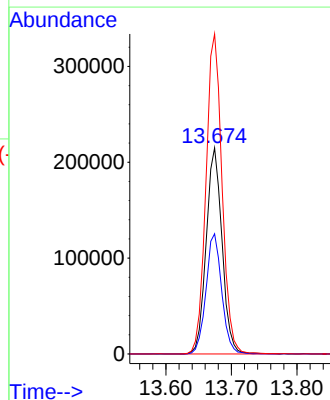
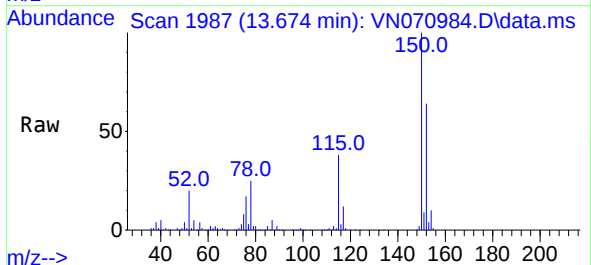
Ion	Ratio	Lower	Upper
117	100		
82	54.2	42.4	63.6
119	32.7	25.4	38.2

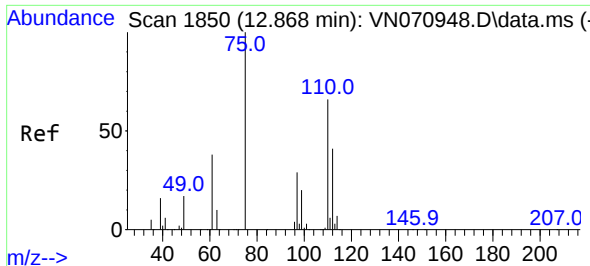


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.006 min
Lab File: VN070984.D
Acq: 17 Feb 2022 17:08

Tgt Ion:152 Resp: 362183

Ion	Ratio	Lower	Upper
152	100		
115	58.0	27.5	82.5
150	157.4	0.0	344.4

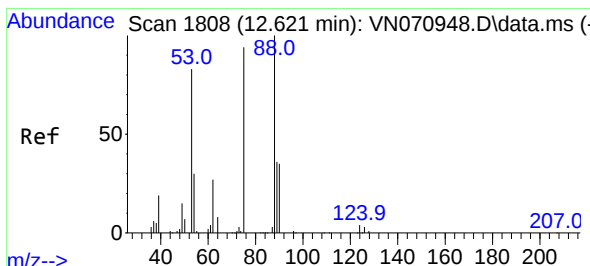
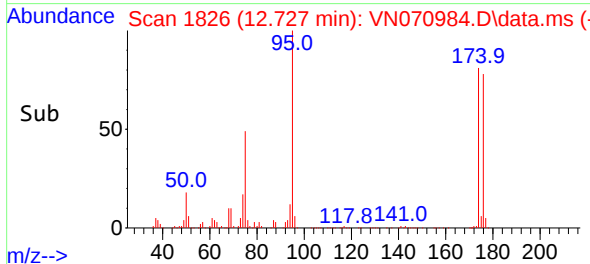
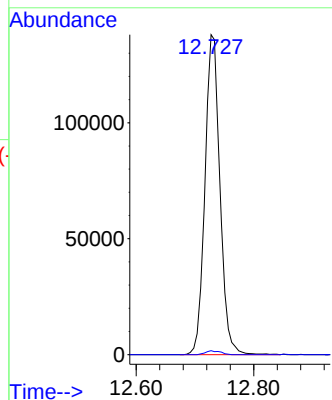
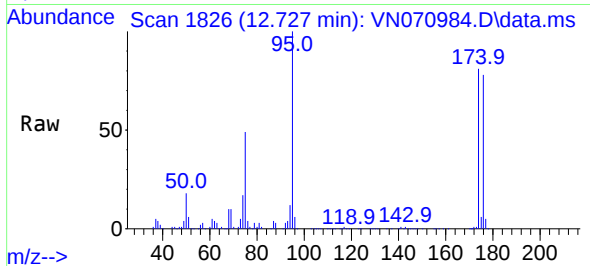




#76
1,2,3-Trichloropropane
Concen: 28.688 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.141 min
Lab File: VN070984.D
Acq: 17 Feb 2022 17:08

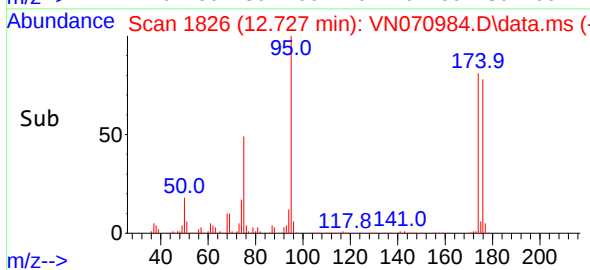
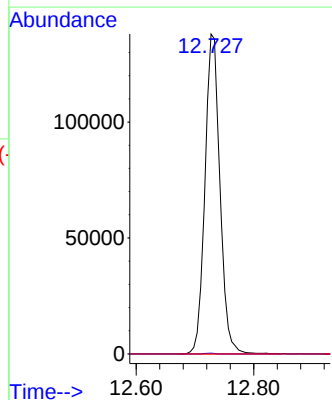
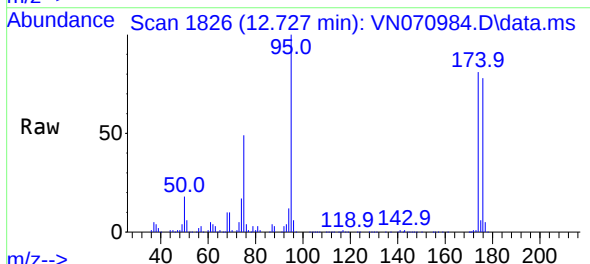
Instrument :
MSVOA_N
ClientSampleId :
MH-118.5N-20220215

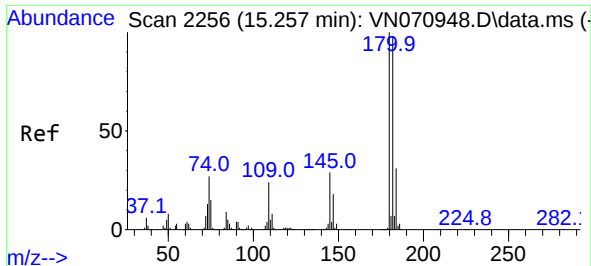
Tgt Ion: 75 Resp: 244638
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.961 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN070984.D
Acq: 17 Feb 2022 17:08

Tgt Ion: 75 Resp: 244638
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

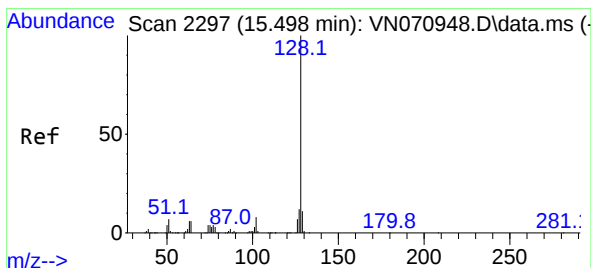
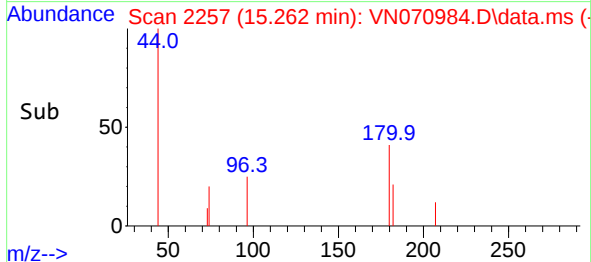
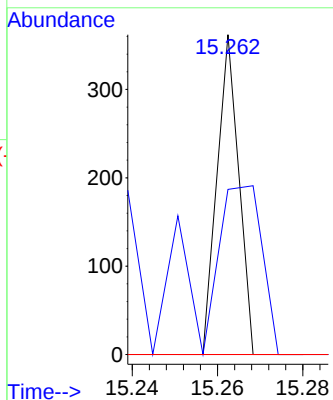
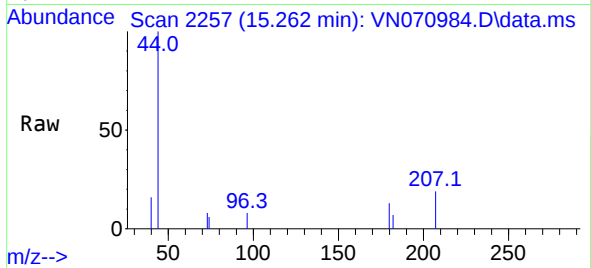




#93
1,2,4-Trichlorobenzene
Concen: 2.017 ug/l
RT: 15.262 min Scan# 21
Delta R.T. 0.005 min
Lab File: VN070984.D
Acq: 17 Feb 2022 17:08

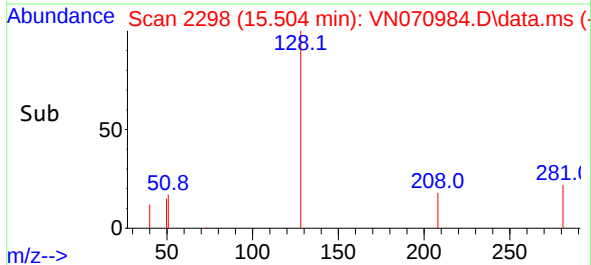
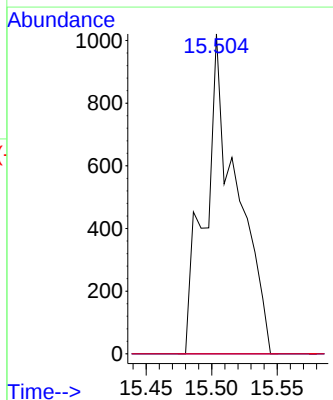
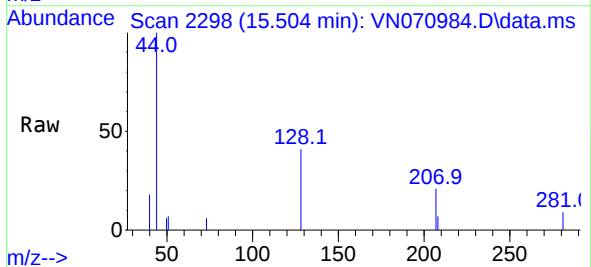
Instrument :
MSVOA_N
ClientSampleId :
MH-118.5N-20220215

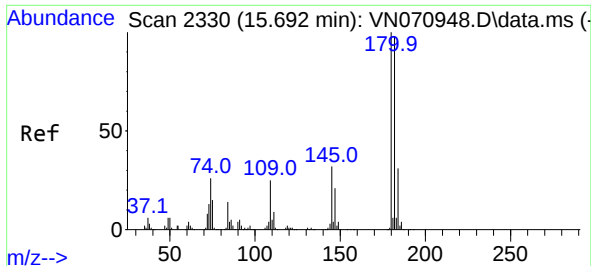
Tgt Ion:	180	Resp:	128
Ion	Ratio	Lower	Upper
180	100		
182	103.9	48.3	144.9
145	0.0	14.5	43.5#



#95
Naphthalene
Concen: 5.085 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VN070984.D
Acq: 17 Feb 2022 17:08

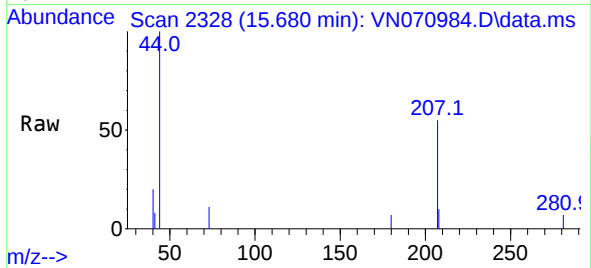
Tgt Ion:	128	Resp:	1717
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.5	15.7#
129	0.0	8.7	13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.525 ug/l
 RT: 15.680 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: VN070984.D
 Acq: 17 Feb 2022 17:08

Instrument :
 MSVOA_N
 ClientSampleId :
 MH-118.5N-20220215



Tgt Ion:180 Resp: 56
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.4 142.2#
 145 0.0 15.0 45.1#

