

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021722\
 Data File : VN070989.D
 Acq On : 17 Feb 2022 19:13
 Operator : JC\MD
 Sample : N1581-16
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MH-318.9-20220215

Quant Time: Feb 18 00:50:25 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)

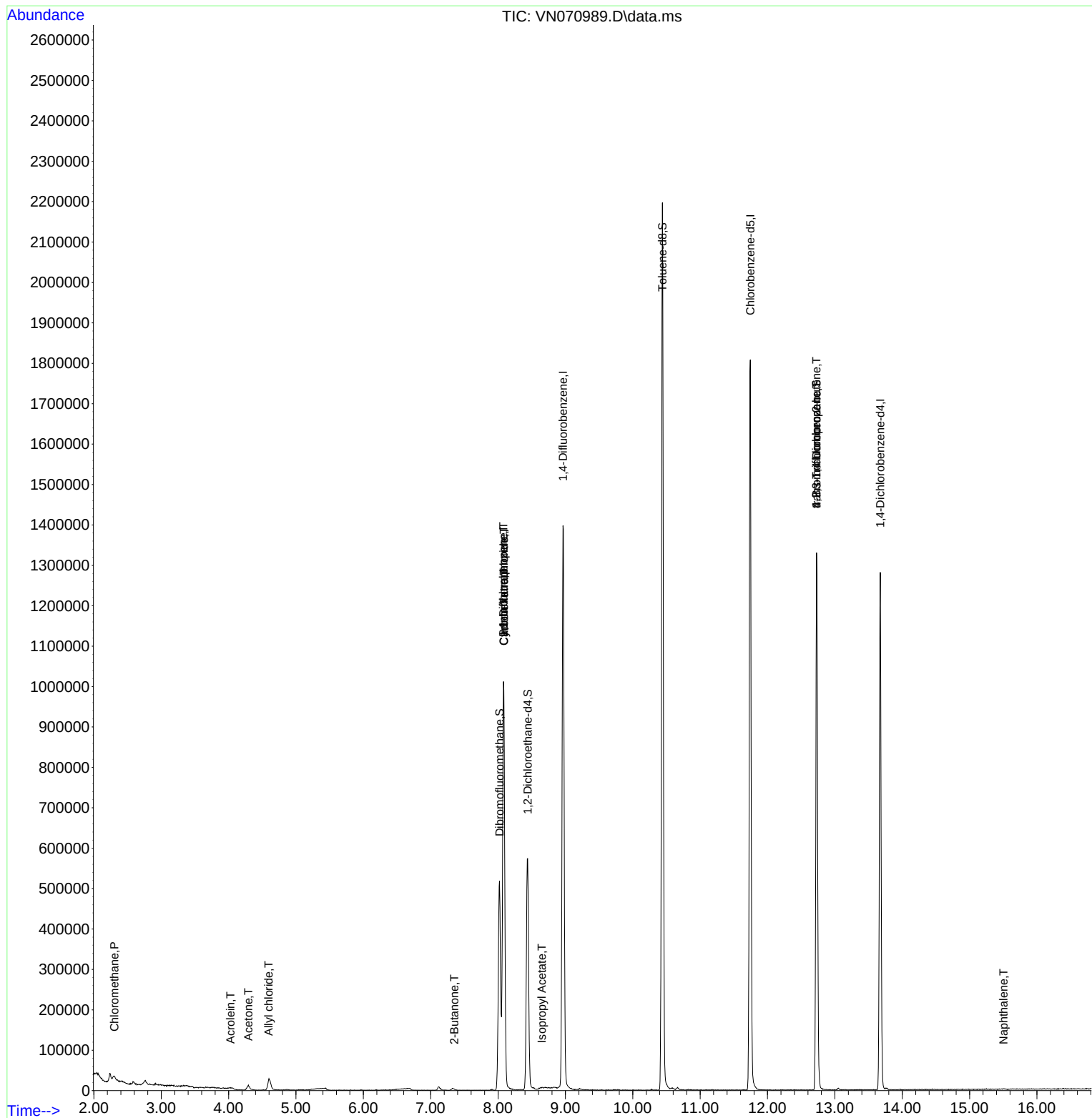
Internal Standards						
1) Pentafluorobenzene	8.081	168	800285	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1262310	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.745	117	1110703	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	369690	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.439	65	479402	52.441	ug/l	0.01
Spiked Amount	50.000	Range	61 - 141	Recovery	= 104.880%	
35) Dibromofluoromethane	8.022	113	376564	50.154	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 100.300%	
50) Toluene-d8	10.439	98	1519789	50.404	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 100.800%	
62) 4-Bromofluorobenzene	12.727	95	480394	44.573	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 89.140%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.304	50	2749	0.263	ug/l #	84
13) Acrolein	4.028	56	377	0.253	ug/l #	1
14) Allyl chloride	4.593	41	5034	0.337	ug/l #	76
16) Acetone	4.293	43	17046	3.386	ug/l #	87
18) Methyl Acetate	4.857	43	3491	Below Cal		91
25) 2-Butanone	7.351	43	2687	0.401	ug/l #	48
31) Cyclohexane	8.086	56	15190	0.961	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	60862	4.948	ug/l #	49
38) Carbon Tetrachloride	8.086	117	76226	6.289	ug/l #	16
43) Isopropyl Acetate	8.651	43	6503	0.313	ug/l #	55
76) 1,2,3-Trichloropropane	12.727	75	243174	27.937	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	243174	90.529	ug/l #	5
95) Naphthalene	15.504	128	1034	5.046	ug/l #	69

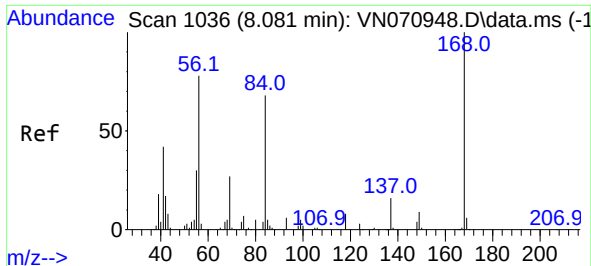
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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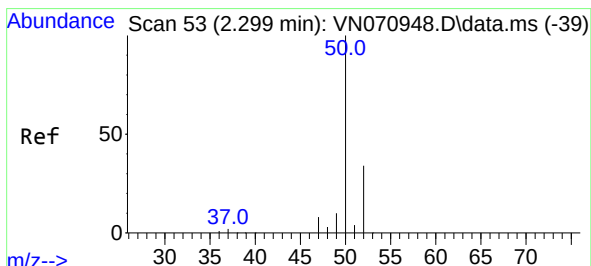
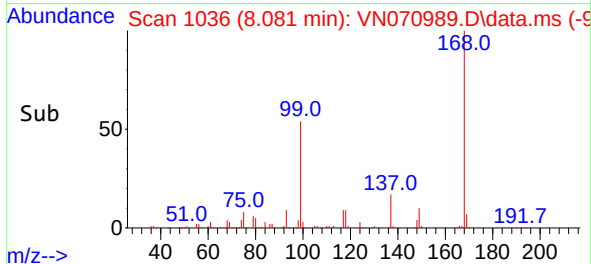
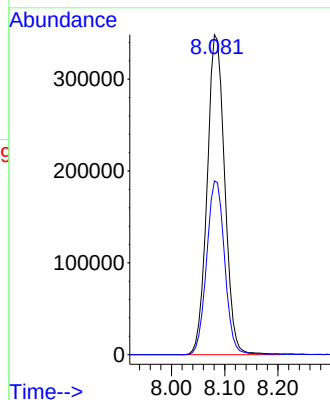
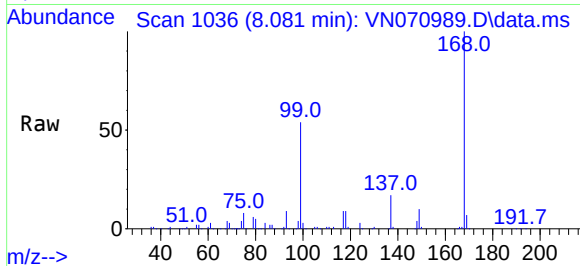




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN070989.D
Acq: 17 Feb 2022 19:13

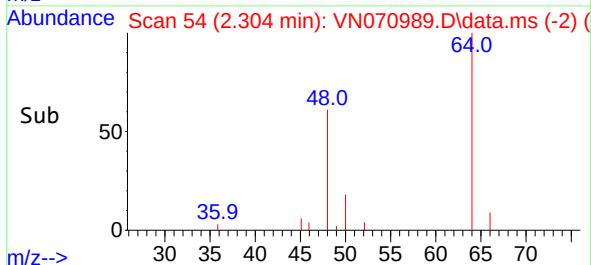
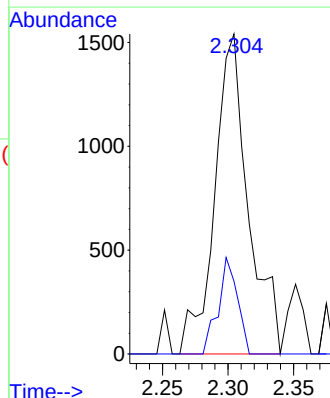
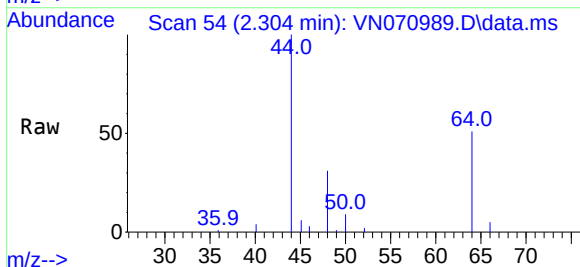
Instrument :
MSVOA_N
ClientSampleId :
MH-318.9-20220215

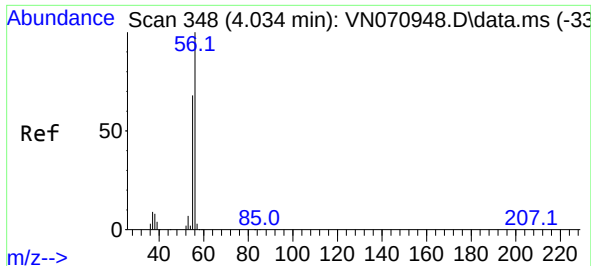
Tgt Ion:168 Resp: 800285
Ion Ratio Lower Upper
168 100
99 54.3 41.3 61.9



#3
Chloromethane
Concen: 0.263 ug/l
RT: 2.304 min Scan# 54
Delta R.T. 0.006 min
Lab File: VN070989.D
Acq: 17 Feb 2022 19:13

Tgt Ion: 50 Resp: 2749
Ion Ratio Lower Upper
50 100
52 22.8 25.4 38.0#

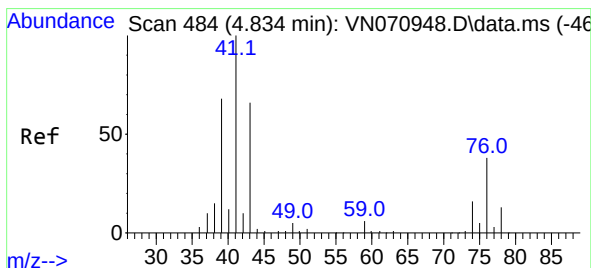
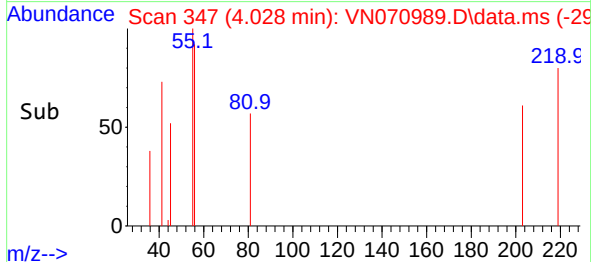
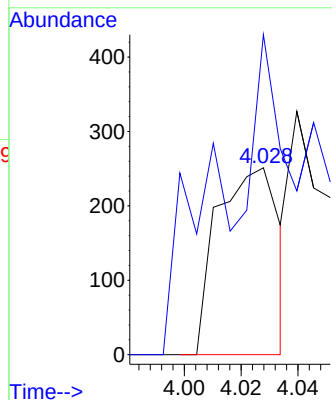
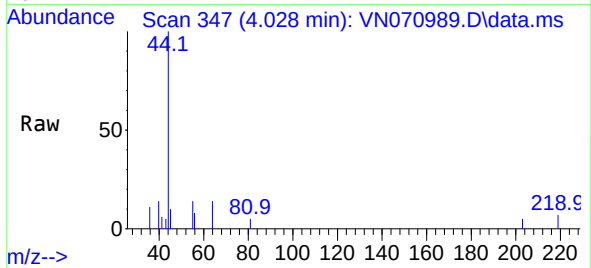




#13
Acrolein
Concen: 0.253 ug/l
RT: 4.028 min Scan# 34
Delta R.T. -0.006 min
Lab File: VN070989.D
Acq: 17 Feb 2022 19:13

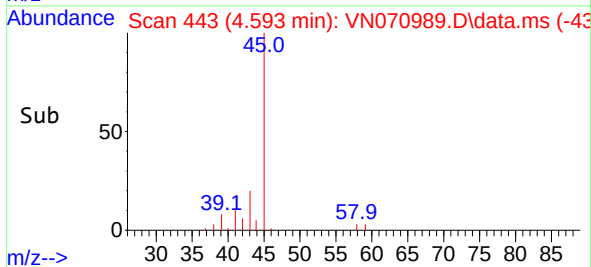
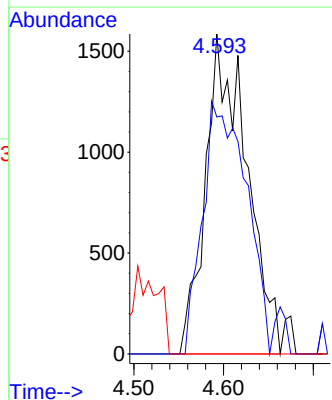
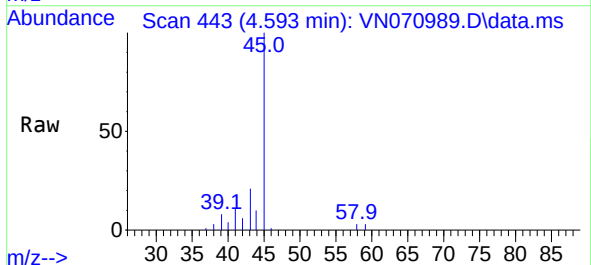
Instrument :
MSVOA_N
ClientSampleId :
MH-318.9-20220215

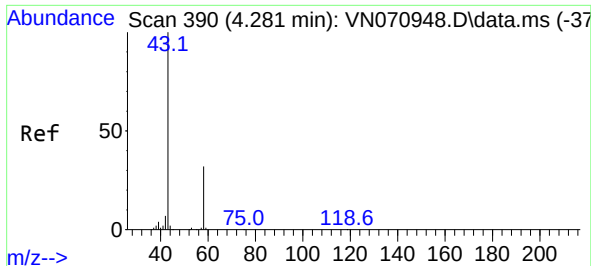
Tgt Ion: 56 Resp: 377
Ion Ratio Lower Upper
56 100
55 185.1 56.6 85.0#



#14
Allyl chloride
Concen: 0.337 ug/l
RT: 4.593 min Scan# 443
Delta R.T. -0.241 min
Lab File: VN070989.D
Acq: 17 Feb 2022 19:13

Tgt Ion: 41 Resp: 5034
Ion Ratio Lower Upper
41 100
39 84.4 61.2 91.8
76 0.0 26.0 39.0#

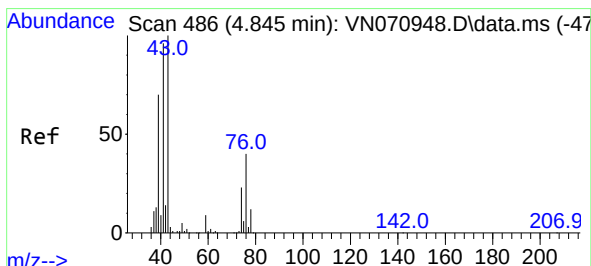
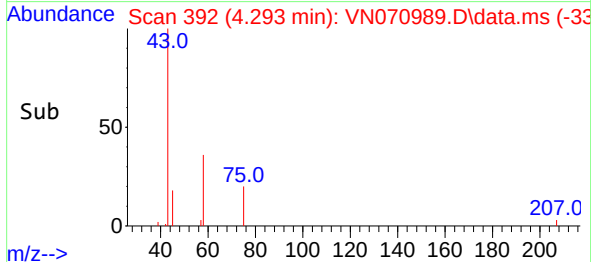
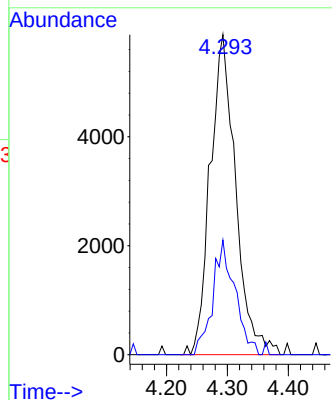
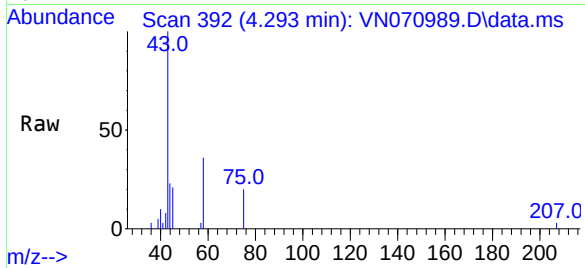




#16
Acetone
Concen: 3.386 ug/l
RT: 4.293 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN070989.D
Acq: 17 Feb 2022 19:13

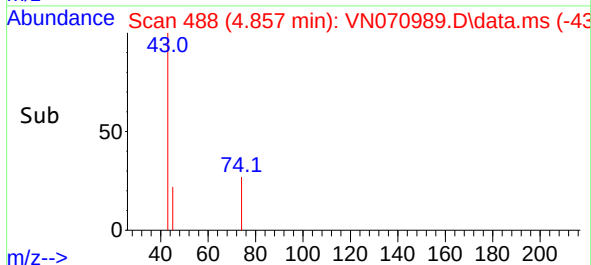
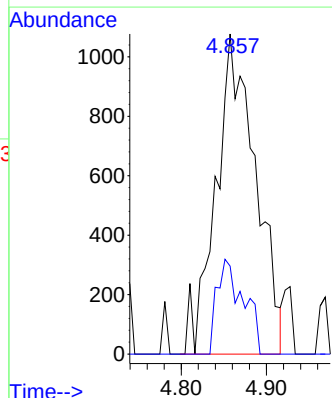
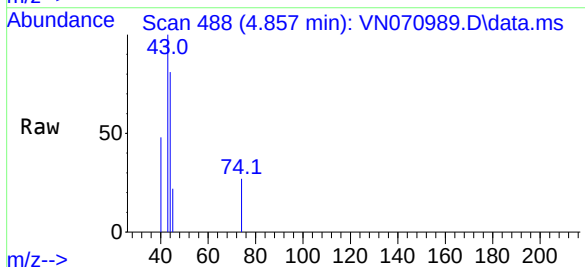
Instrument :
MSVOA_N
ClientSampleId :
MH-318.9-20220215

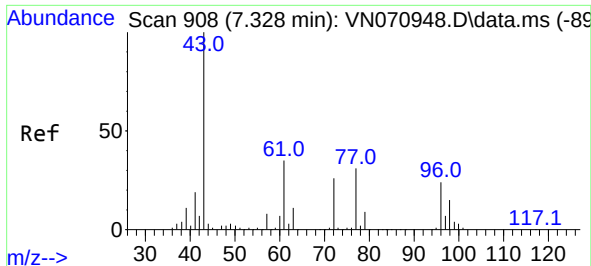
Tgt Ion: 43 Resp: 17046
Ion Ratio Lower Upper
43 100
58 35.8 23.1 34.7#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.857 min Scan# 488
Delta R.T. 0.012 min
Lab File: VN070989.D
Acq: 17 Feb 2022 19:13

Tgt Ion: 43 Resp: 3491
Ion Ratio Lower Upper
43 100
74 19.7 19.4 29.2

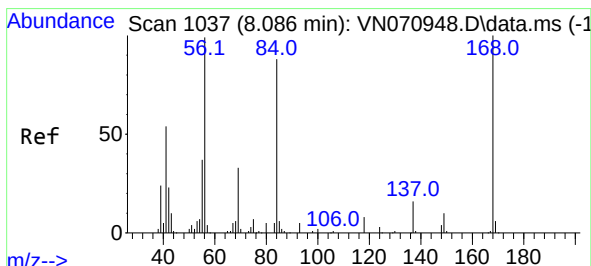
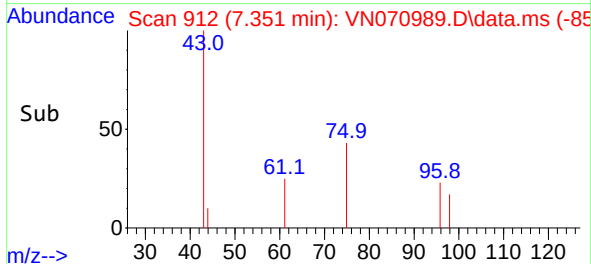
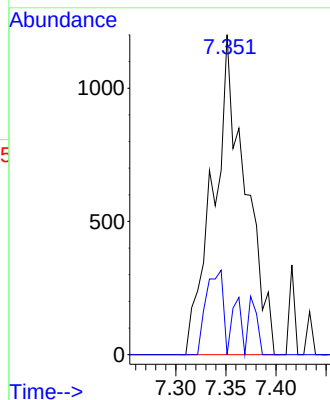
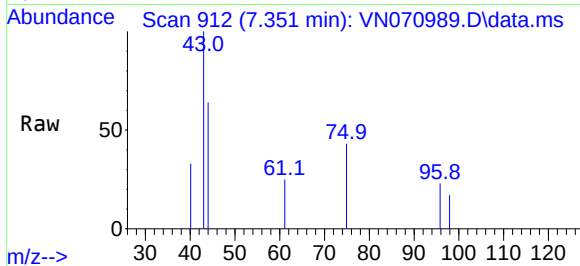




#25
2-Butanone
Concen: 0.401 ug/l
RT: 7.351 min Scan# 912
Delta R.T. 0.023 min
Lab File: VN070989.D
Acq: 17 Feb 2022 19:13

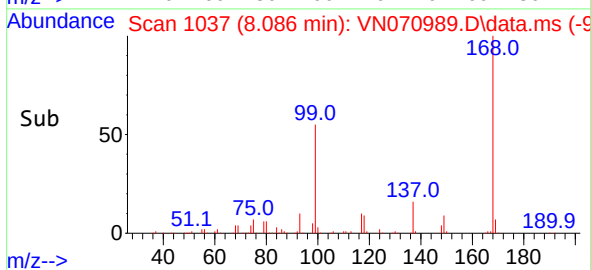
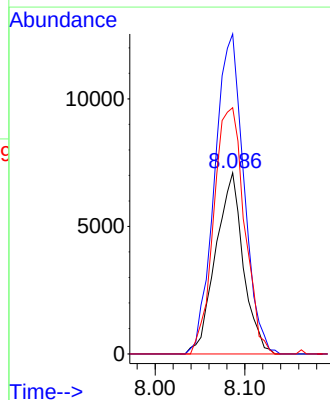
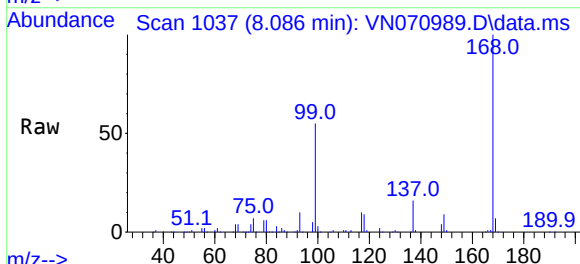
Instrument :
MSVOA_N
ClientSampleId :
MH-318.9-20220215

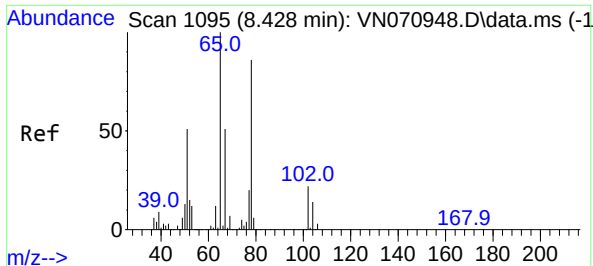
Tgt Ion: 43 Resp: 2687
Ion Ratio Lower Upper
43 100
72 0.0 21.7 32.5#



#31
Cyclohexane
Concen: 0.961 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VN070989.D
Acq: 17 Feb 2022 19:13

Tgt Ion: 56 Resp: 15190
Ion Ratio Lower Upper
56 100
69 176.7 27.1 40.7#
84 135.9 73.4 110.0#

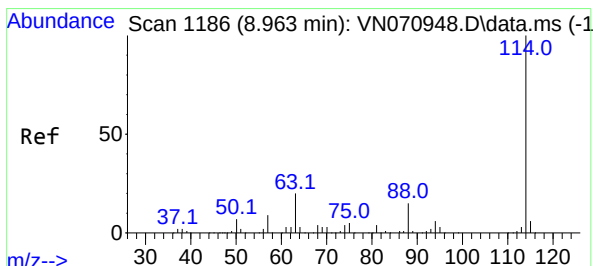
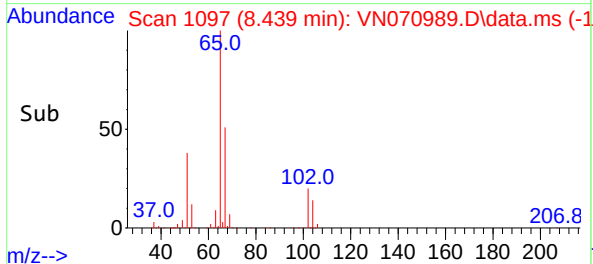
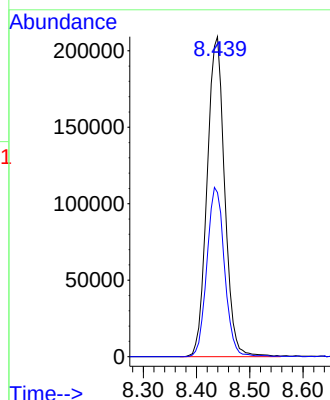
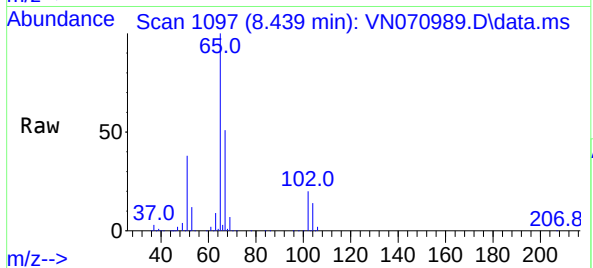




#33
1,2-Dichloroethane-d4
Concen: 52.441 ug/l
RT: 8.439 min Scan# 1095
Delta R.T. 0.012 min
Lab File: VN070989.D
Acq: 17 Feb 2022 19:13

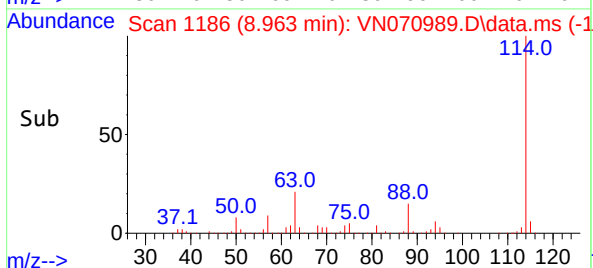
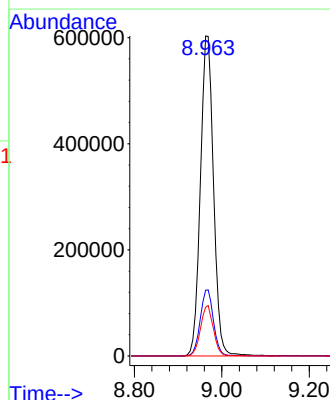
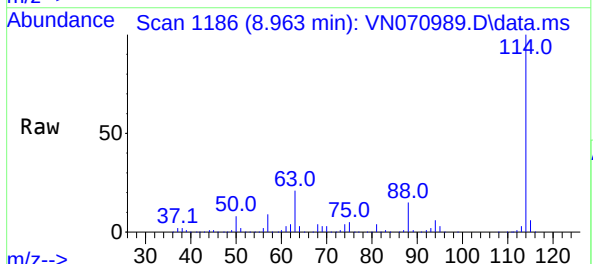
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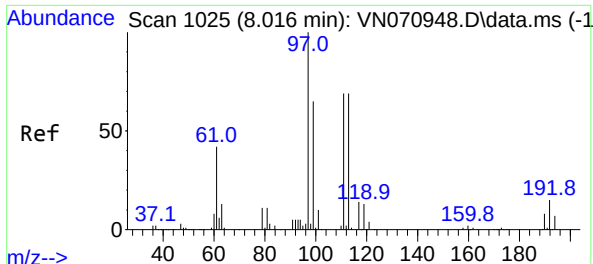
Tgt Ion: 65 Resp: 479402
Ion Ratio Lower Upper
65 100
67 52.8 0.0 103.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN070989.D
Acq: 17 Feb 2022 19:13

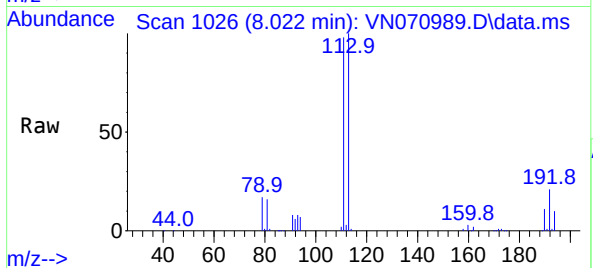
Tgt Ion:114 Resp: 1262310
Ion Ratio Lower Upper
114 100
63 20.6 0.0 37.8
88 15.2 0.0 27.4



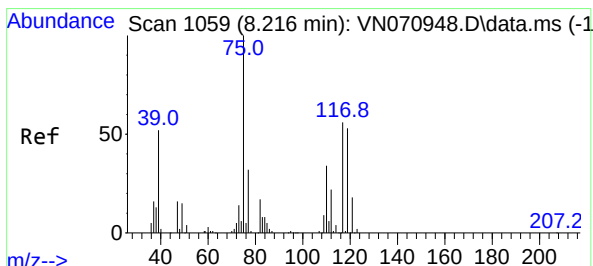
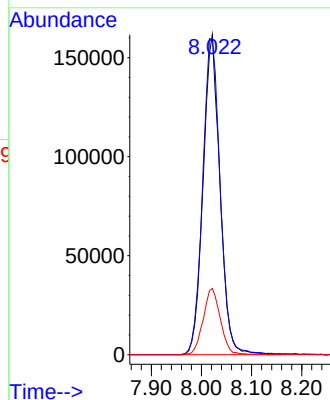
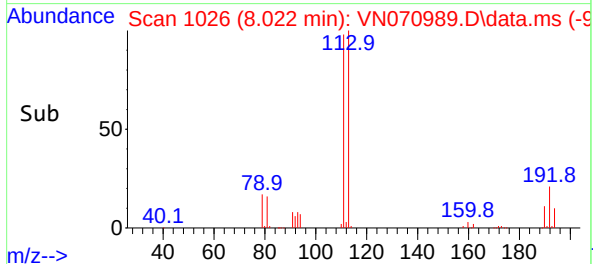


#35
Dibromofluoromethane
Concen: 50.154 ug/l
RT: 8.022 min Scan# 1036
Delta R.T. 0.006 min
Lab File: VN070989.D
Acq: 17 Feb 2022 19:13

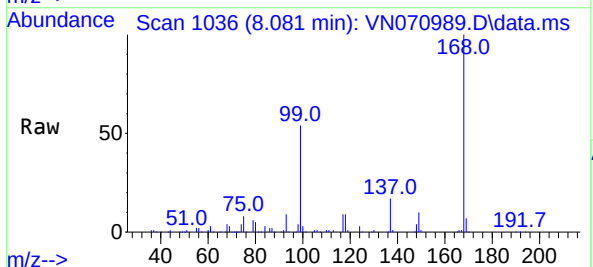
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MH-318.9-20220215



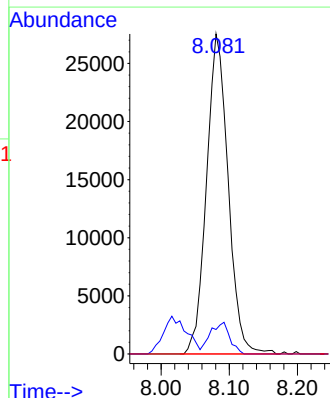
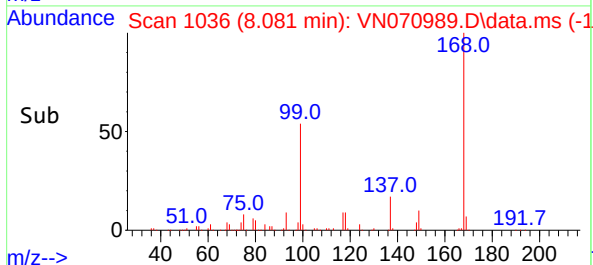
Tgt Ion:113 Resp: 376564
Ion Ratio Lower Upper
113 100
111 103.6 82.2 123.2
192 21.1 16.9 25.3

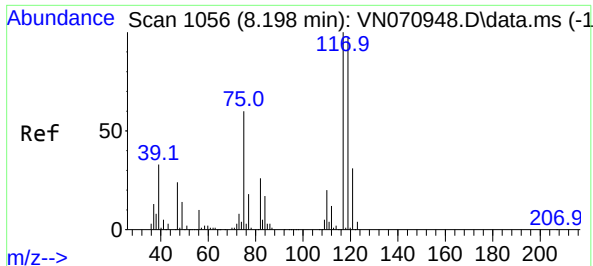


#36
1,1-Dichloropropene
Concen: 4.948 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN070989.D
Acq: 17 Feb 2022 19:13



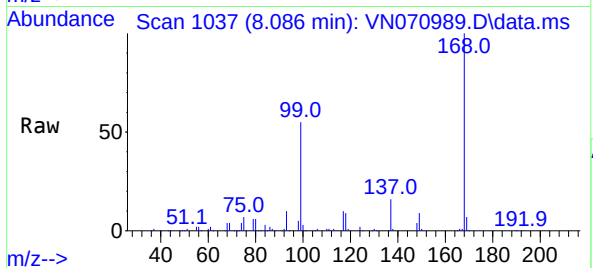
Tgt Ion: 75 Resp: 60862
Ion Ratio Lower Upper
75 100
110 8.9 18.4 55.2#
77 0.0 24.4 36.6#



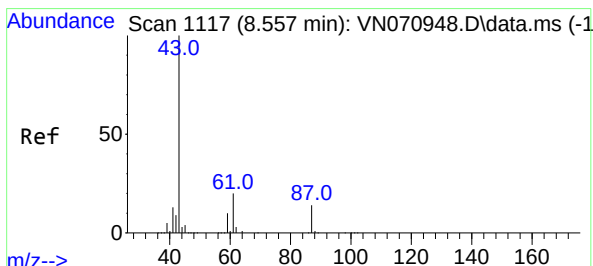
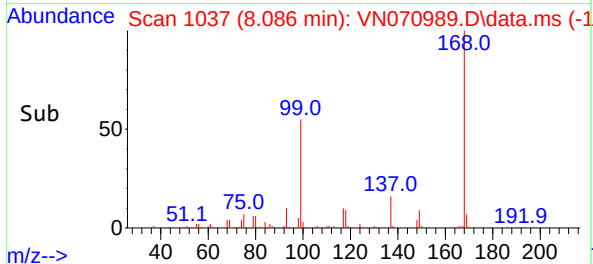
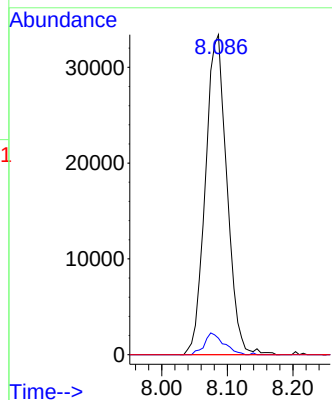


#38
Carbon Tetrachloride
Concen: 6.289 ug/l
RT: 8.086 min Scan# 1103
Delta R.T. -0.112 min
Lab File: VN070989.D
Acq: 17 Feb 2022 19:13

Instrument :
MSVOA_N
ClientSampleId :
MH-318.9-20220215

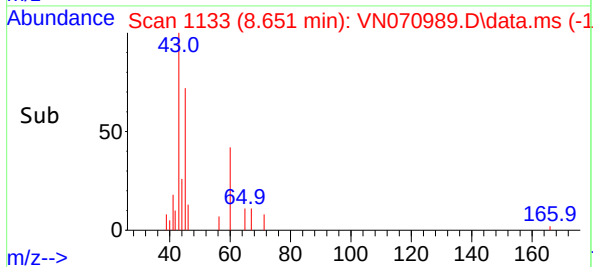
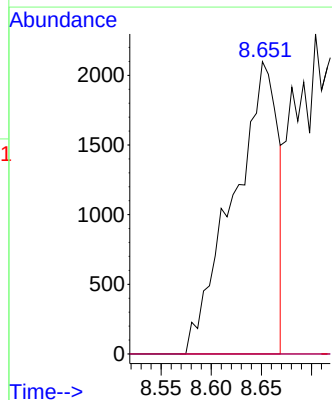
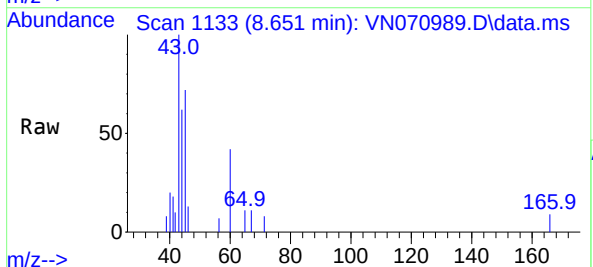


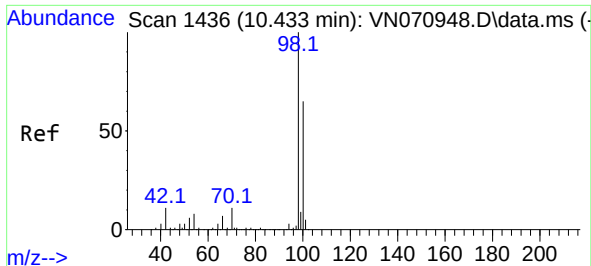
Tgt Ion:117 Resp: 76226
Ion Ratio Lower Upper
117 100
119 5.2 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 0.313 ug/l
RT: 8.651 min Scan# 1133
Delta R.T. 0.094 min
Lab File: VN070989.D
Acq: 17 Feb 2022 19:13

Tgt Ion: 43 Resp: 6503
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 11.2 16.8#

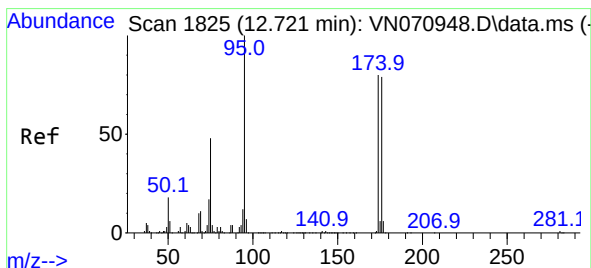
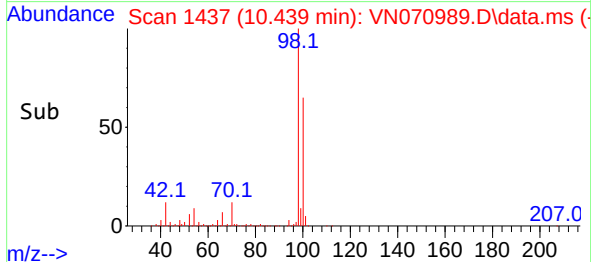
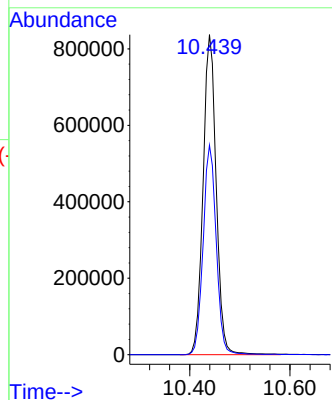
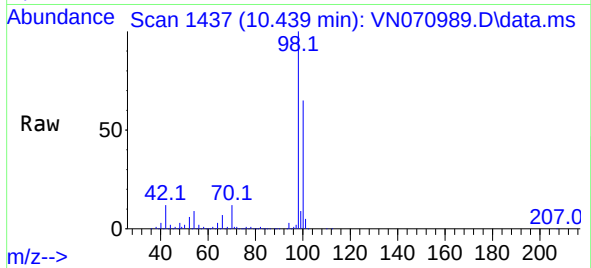




#50
Toluene-d8
Concen: 50.404 ug/l
RT: 10.439 min Scan# 1436
Delta R.T. 0.006 min
Lab File: VN070989.D
Acq: 17 Feb 2022 19:13

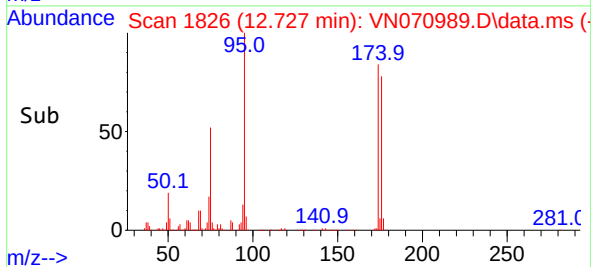
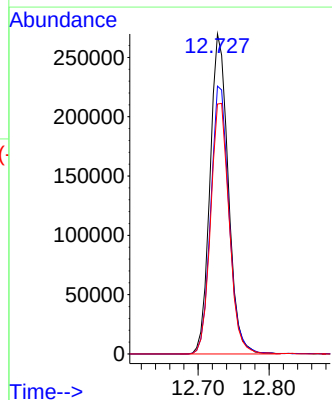
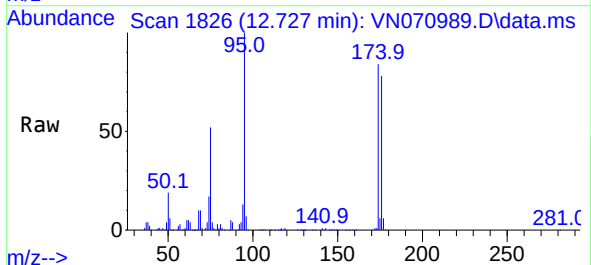
Instrument :
MSVOA_N
ClientSampleId :
MH-318.9-20220215

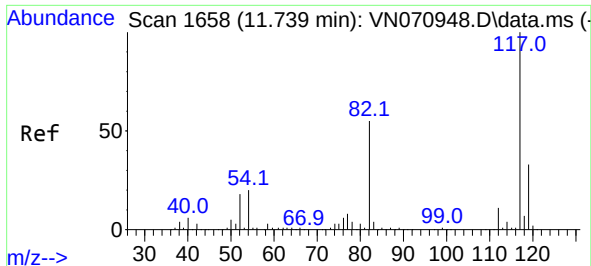
Tgt Ion: 98 Resp: 1519789
Ion Ratio Lower Upper
98 100
100 65.3 50.4 75.6



#62
4-Bromofluorobenzene
Concen: 44.573 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.006 min
Lab File: VN070989.D
Acq: 17 Feb 2022 19:13

Tgt Ion: 95 Resp: 480394
Ion Ratio Lower Upper
95 100
174 84.0 0.0 187.2
176 79.6 0.0 181.4

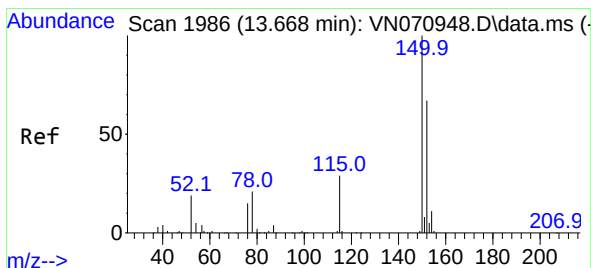
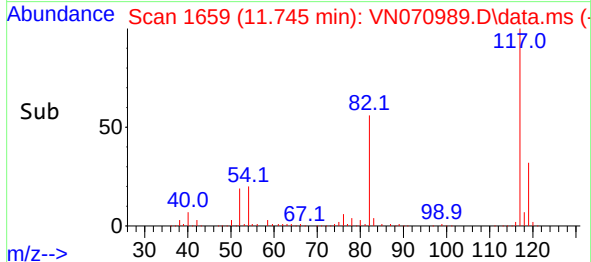
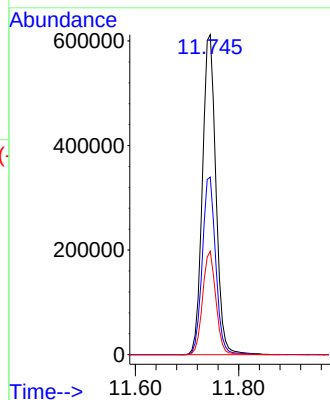
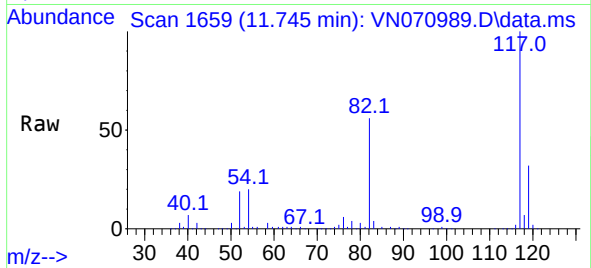




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.745 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN070989.D
Acq: 17 Feb 2022 19:13

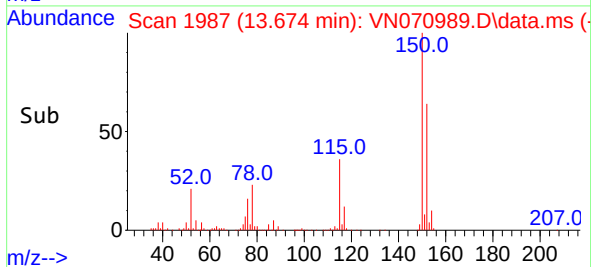
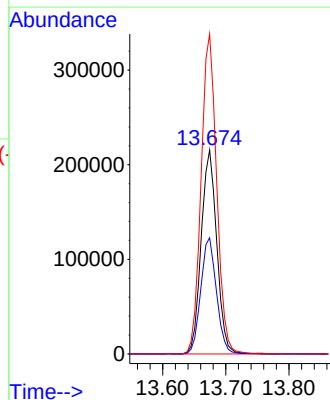
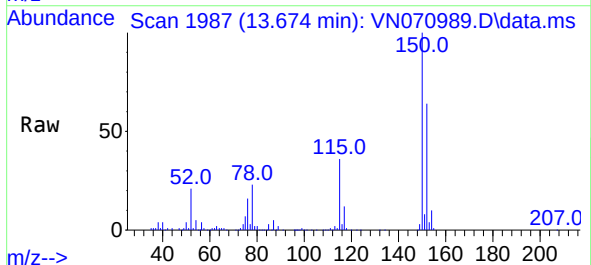
Instrument :
MSVOA_N
ClientSampleId :
MH-318.9-20220215

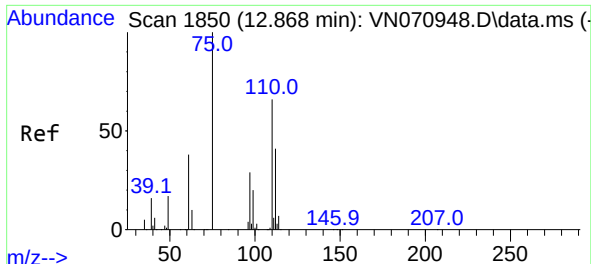
Tgt Ion:117 Resp: 1110703
Ion Ratio Lower Upper
117 100
82 55.5 42.4 63.6
119 32.3 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.006 min
Lab File: VN070989.D
Acq: 17 Feb 2022 19:13

Tgt Ion:152 Resp: 369690
Ion Ratio Lower Upper
152 100
115 57.4 27.5 82.5
150 157.0 0.0 344.4

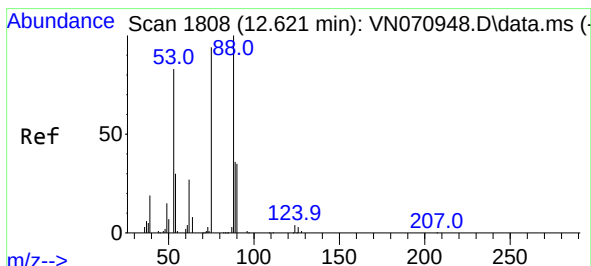
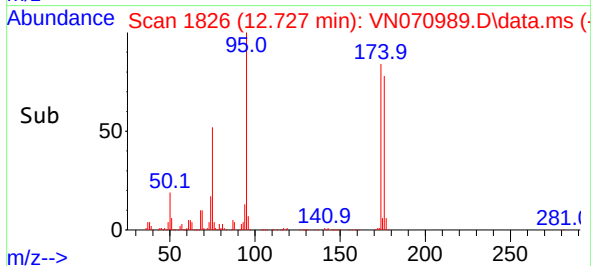
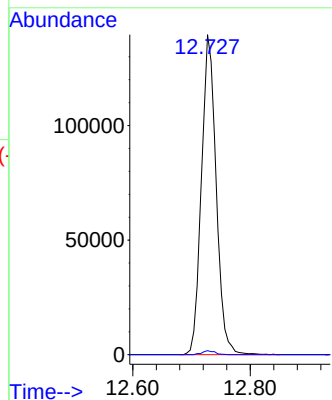
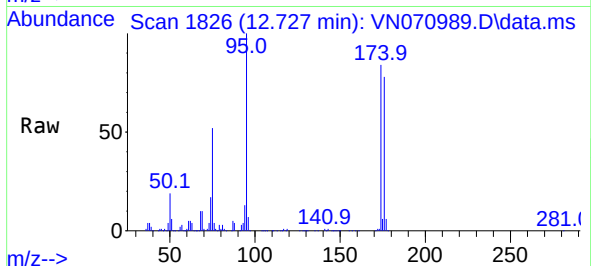




#76
1,2,3-Trichloropropane
Concen: 27.937 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.141 min
Lab File: VN070989.D
Acq: 17 Feb 2022 19:13

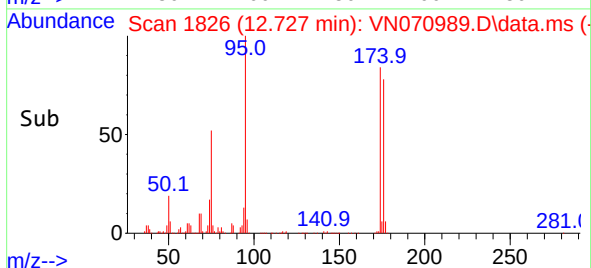
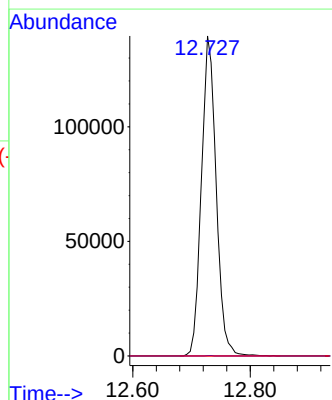
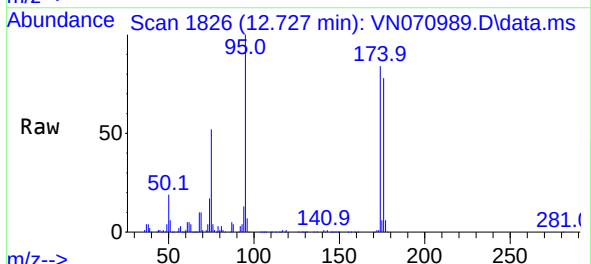
Instrument :
MSVOA_N
ClientSampleId :
MH-318.9-20220215

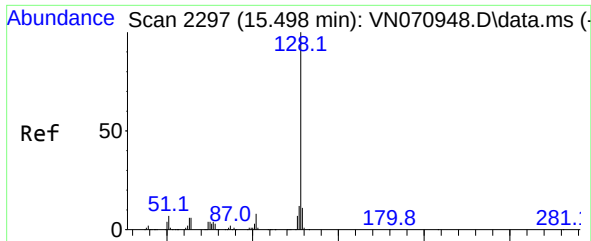
Tgt Ion: 75 Resp: 243174
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.529 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN070989.D
Acq: 17 Feb 2022 19:13

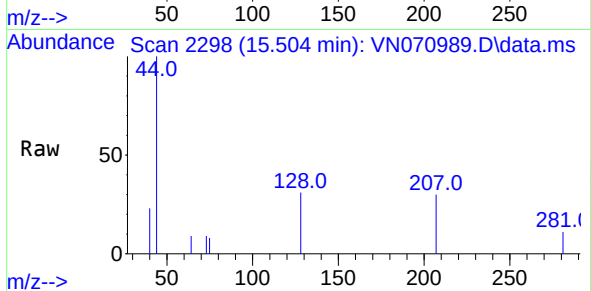
Tgt Ion: 75 Resp: 243174
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#





#95
Naphthalene
Concen: 5.046 ug/l
RT: 15.504 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN070989.D
Acq: 17 Feb 2022 19:13

Instrument :
MSVOA_N
ClientSampleId :
MH-318.9-20220215



Tgt Ion:128 Resp: 1034
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.7 13.1#

