

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021722\
 Data File : VN070987.D
 Acq On : 17 Feb 2022 18:23
 Operator : JC\MD
 Sample : N1581-14
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MH-121.5T-20220215

Quant Time: Feb 18 00:49:19 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)

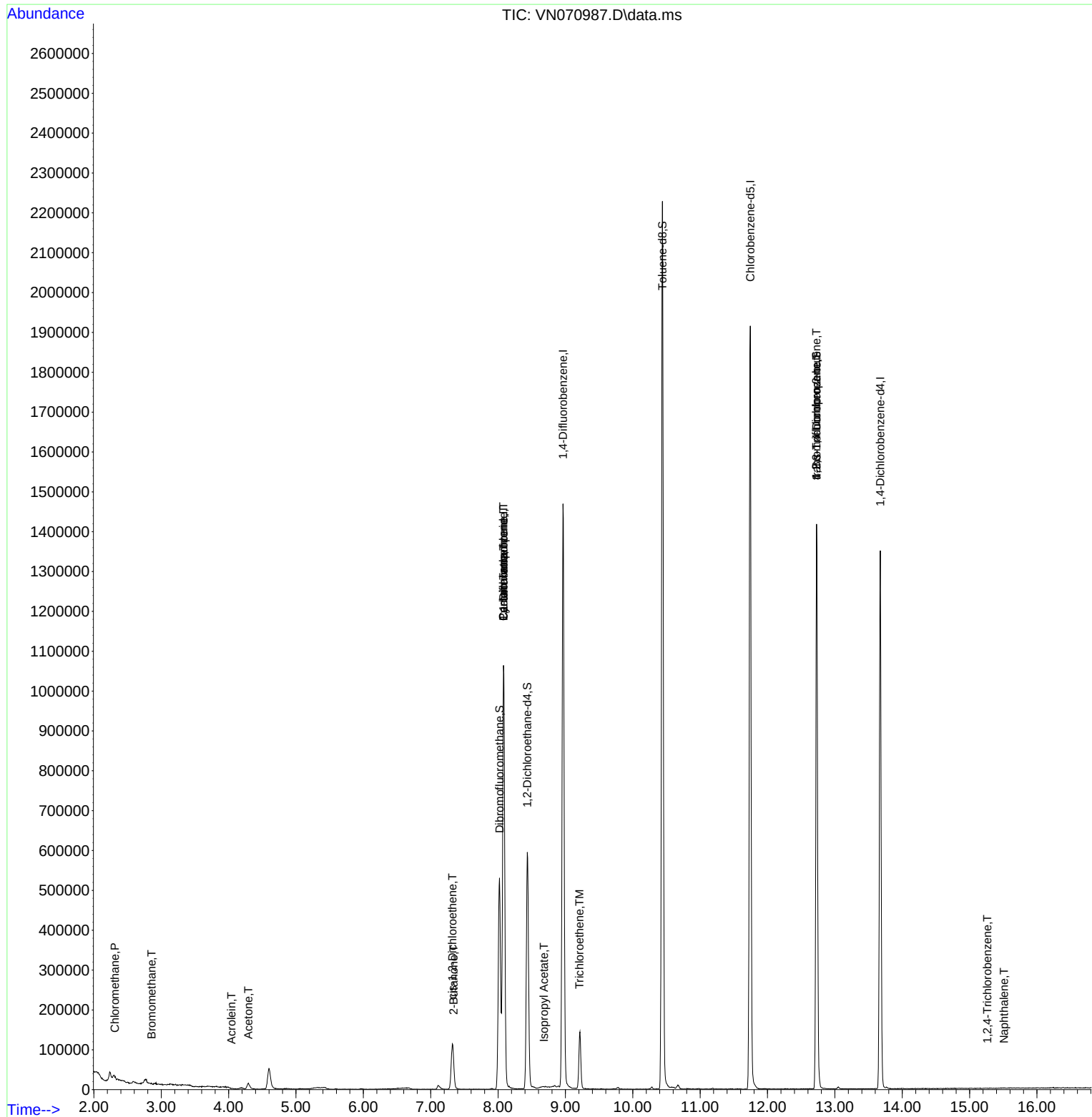
Internal Standards						
1) Pentafluorobenzene	8.081	168	839163	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1300496	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.745	117	1149866	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	385377	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	489095	51.022	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 102.040%		
35) Dibromofluoromethane	8.022	113	389824	50.395	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 100.800%		
50) Toluene-d8	10.439	98	1557980	50.153	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 100.300%		
62) 4-Bromofluorobenzene	12.727	95	495882	44.659	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 89.320%		
Target Compounds						
						Qvalue
3) Chloromethane	2.310	50	2684	0.245	ug/l	94
5) Bromomethane	2.857	94	1248	0.200	ug/l	81
13) Acrolein	4.040	56	488	0.313	ug/l	89
16) Acetone	4.293	43	22206	4.206	ug/l	99
18) Methyl Acetate	4.869	43	4732	Below Cal	#	60
25) 2-Butanone	7.340	43	1723	0.245	ug/l #	76
27) cis-1,2-Dichloroethene	7.322	96	70582	6.964	ug/l	96
31) Cyclohexane	8.081	56	17351	1.047	ug/l #	2
36) 1,1-Dichloropropene	8.081	75	62579	4.938	ug/l #	49
38) Carbon Tetrachloride	8.081	117	79993	6.406	ug/l #	17
43) Isopropyl Acetate	8.681	43	8369	0.391	ug/l #	55
44) Trichloroethene	9.210	130	52814	5.350	ug/l	99
76) 1,2,3-Trichloropropane	12.727	75	250604	27.618	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	250604	89.497	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.263	180	59	2.007	ug/l #	12
95) Naphthalene	15.510	128	866	5.035	ug/l #	69

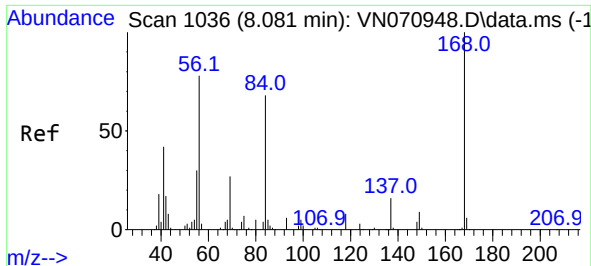
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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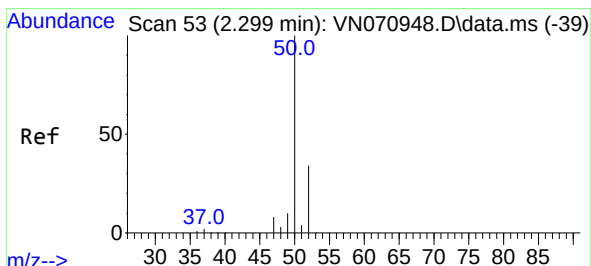
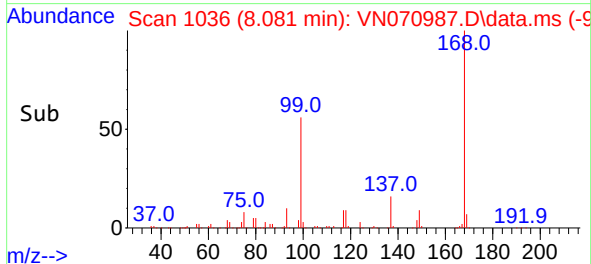
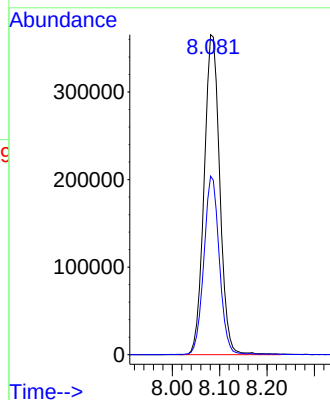
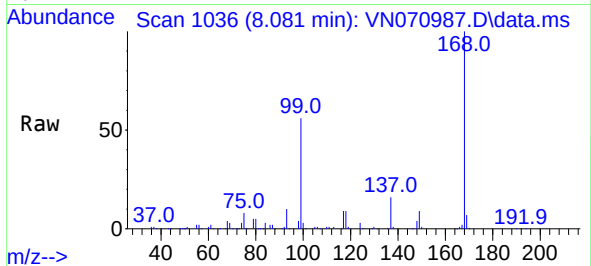




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN070987.D
Acq: 17 Feb 2022 18:23

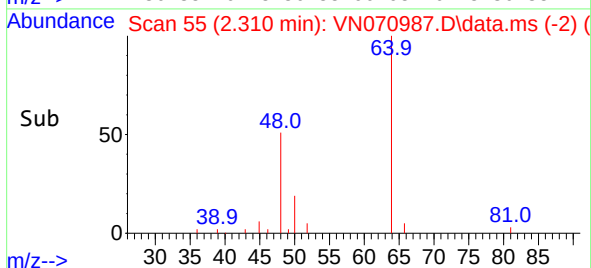
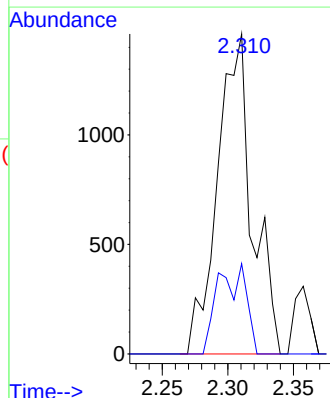
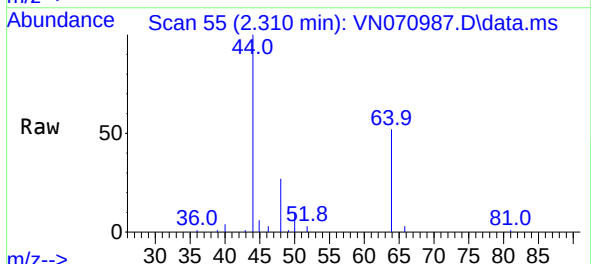
Instrument :
MSVOA_N
ClientSampleId :
MH-121.5T-20220215

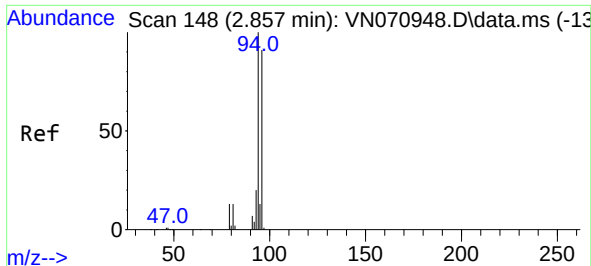
Tgt Ion:168 Resp: 839163
Ion Ratio Lower Upper
168 100
99 55.7 41.3 61.9



#3
Chloromethane
Concen: 0.245 ug/l
RT: 2.310 min Scan# 55
Delta R.T. 0.012 min
Lab File: VN070987.D
Acq: 17 Feb 2022 18:23

Tgt Ion: 50 Resp: 2684
Ion Ratio Lower Upper
50 100
52 28.2 25.4 38.0

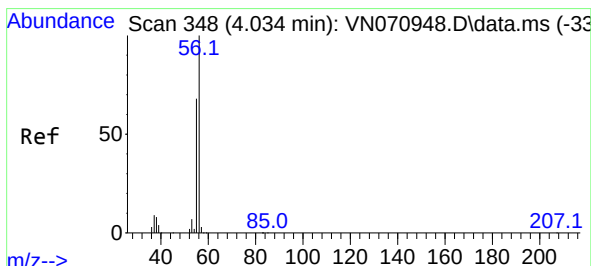
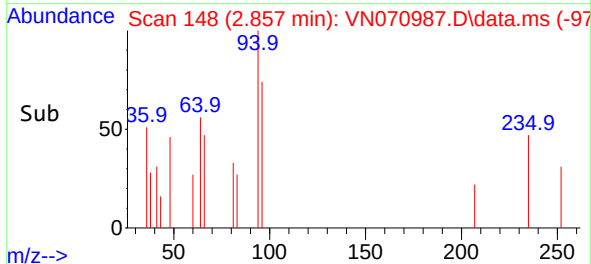
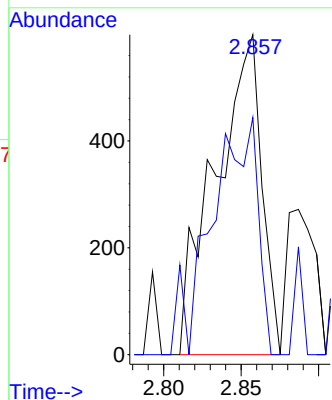
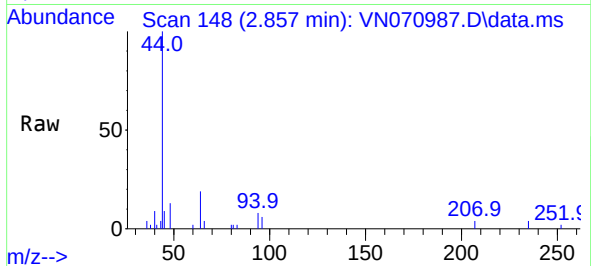




#5
Bromomethane
Concen: 0.200 ug/l
RT: 2.857 min Scan# 148
Delta R.T. 0.000 min
Lab File: VN070987.D
Acq: 17 Feb 2022 18:23

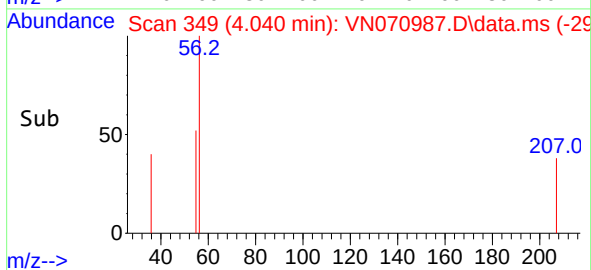
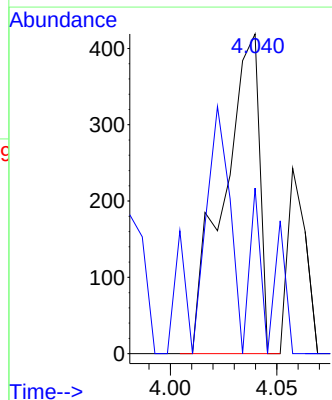
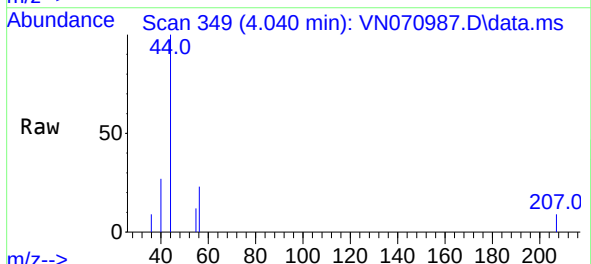
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ClientSampleId :
MH-121.5T-20220215

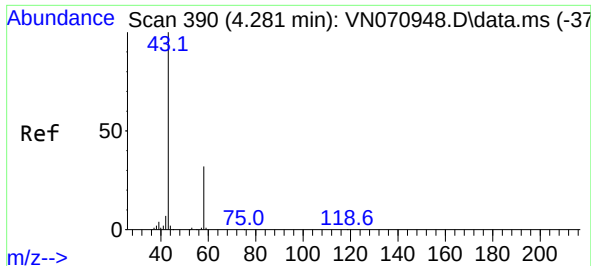
Tgt Ion: 94 Resp: 1248
Ion Ratio Lower Upper
94 100
96 74.1 73.8 110.8



#13
Acrolein
Concen: 0.313 ug/l
RT: 4.040 min Scan# 349
Delta R.T. 0.006 min
Lab File: VN070987.D
Acq: 17 Feb 2022 18:23

Tgt Ion: 56 Resp: 488
Ion Ratio Lower Upper
56 100
55 62.1 56.6 85.0

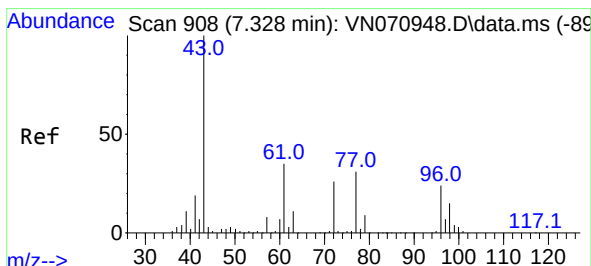
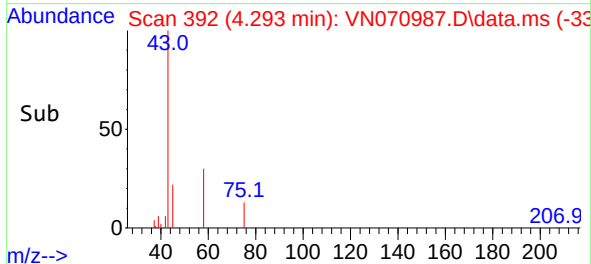
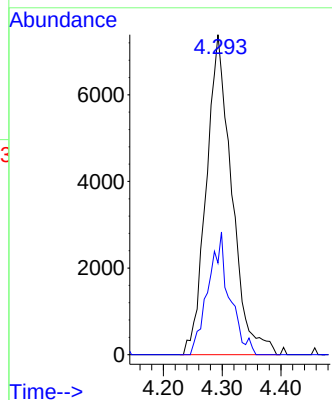
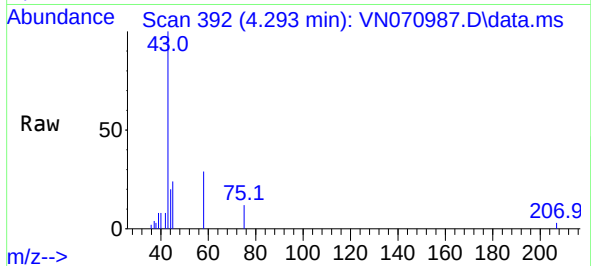




#16
Acetone
Concen: 4.206 ug/l
RT: 4.293 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN070987.D
Acq: 17 Feb 2022 18:23

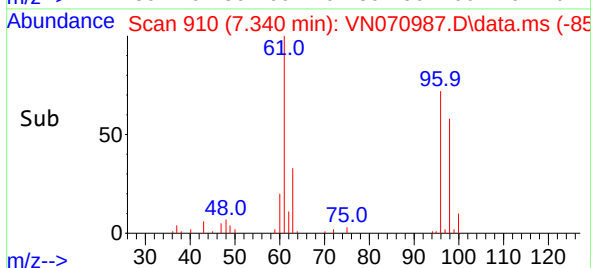
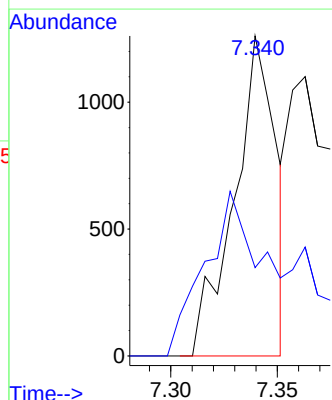
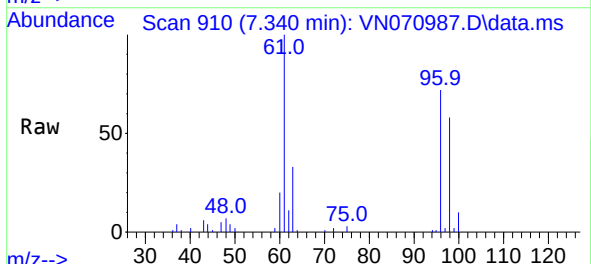
Instrument :
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ClientSampleId :
MH-121.5T-20220215

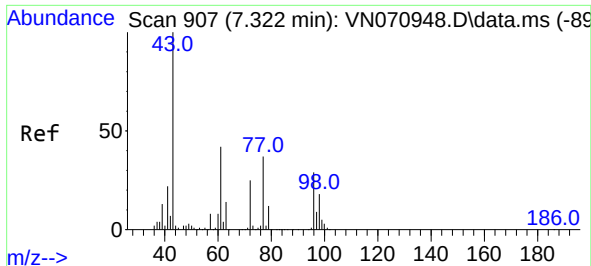
Tgt Ion: 43 Resp: 22206
Ion Ratio Lower Upper
43 100
58 28.6 23.1 34.7



#25
2-Butanone
Concen: 0.245 ug/l
RT: 7.340 min Scan# 910
Delta R.T. 0.012 min
Lab File: VN070987.D
Acq: 17 Feb 2022 18:23

Tgt Ion: 43 Resp: 1723
Ion Ratio Lower Upper
43 100
72 14.8 21.7 32.5#

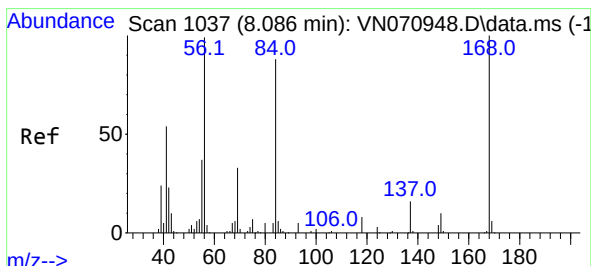
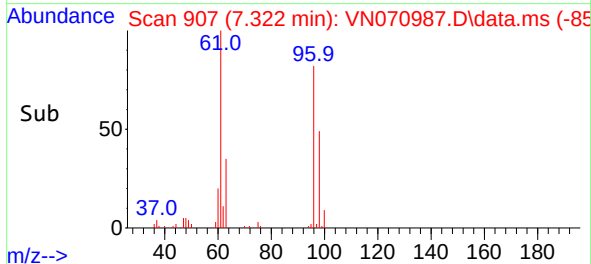
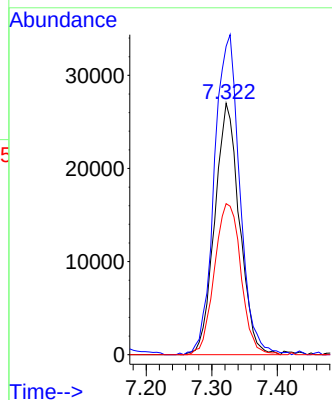
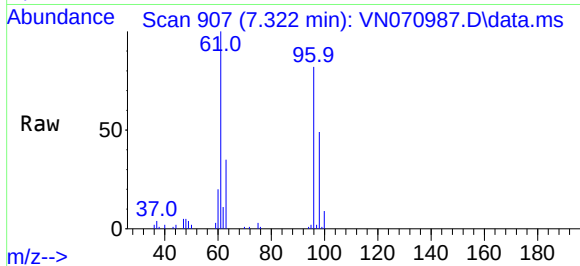




#27
 cis-1,2-Dichloroethene
 Concen: 6.964 ug/l
 RT: 7.322 min Scan# 907
 Delta R.T. 0.000 min
 Lab File: VN070987.D
 Acq: 17 Feb 2022 18:23

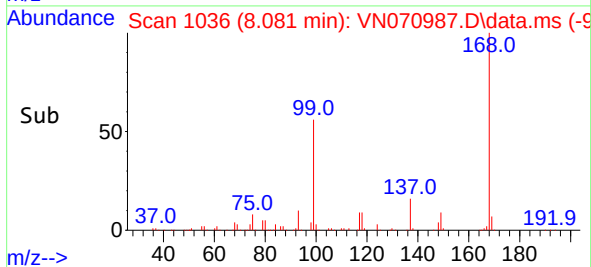
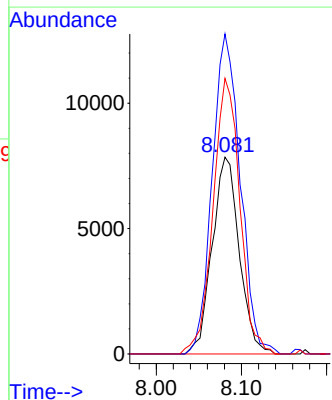
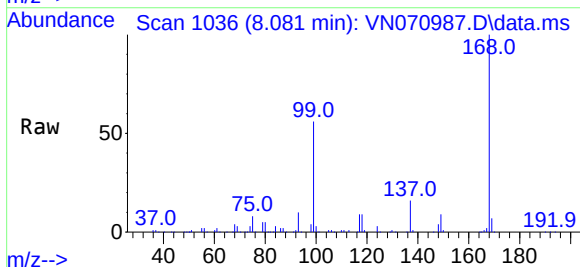
Instrument :
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 MH-121.5T-20220215

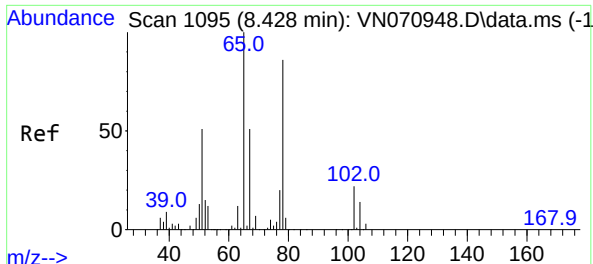
Tgt Ion: 96 Resp: 70582
 Ion Ratio Lower Upper
 96 100
 61 131.0 0.0 275.0
 98 64.5 0.0 129.6



#31
 Cyclohexane
 Concen: 1.047 ug/l
 RT: 8.081 min Scan# 1036
 Delta R.T. -0.006 min
 Lab File: VN070987.D
 Acq: 17 Feb 2022 18:23

Tgt Ion: 56 Resp: 17351
 Ion Ratio Lower Upper
 56 100
 69 162.6 27.1 40.7#
 84 140.0 73.4 110.0#

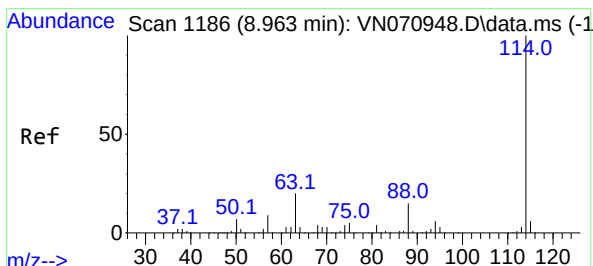
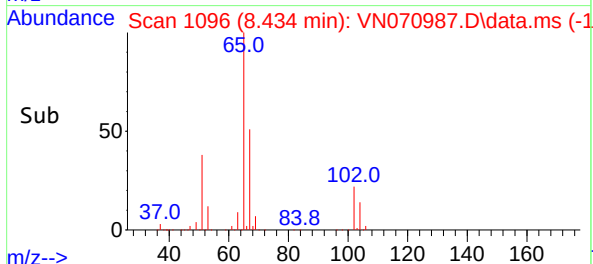
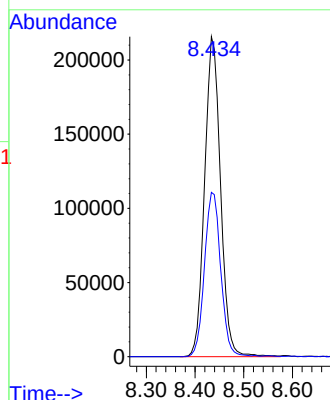
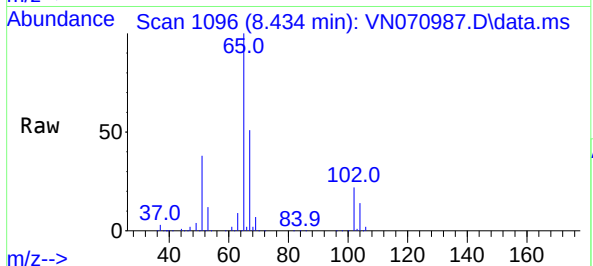




#33
1,2-Dichloroethane-d4
Concen: 51.022 ug/l
RT: 8.434 min Scan# 1095
Delta R.T. 0.006 min
Lab File: VN070987.D
Acq: 17 Feb 2022 18:23

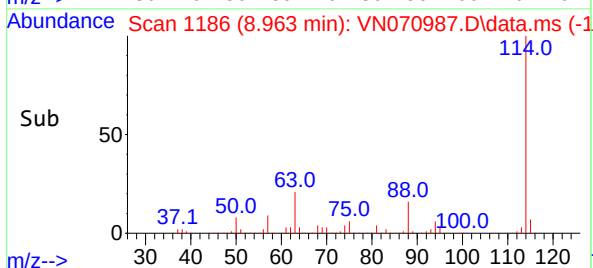
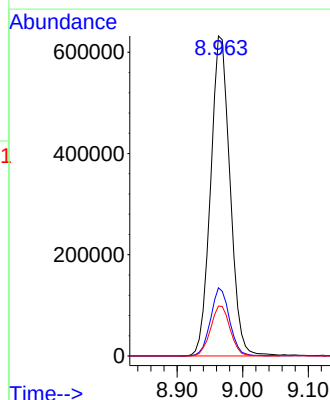
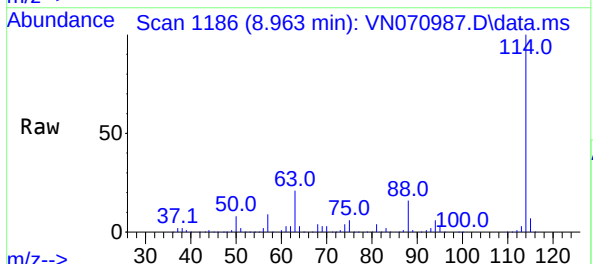
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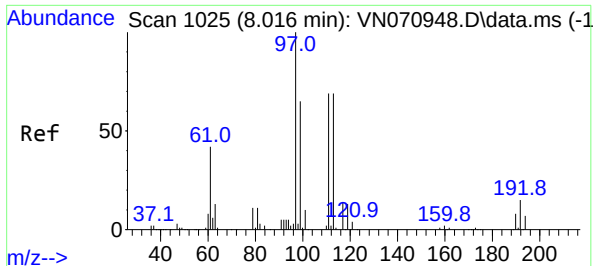
Tgt Ion: 65 Resp: 489095
Ion Ratio Lower Upper
65 100
67 52.4 0.0 103.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. 0.000 min
Lab File: VN070987.D
Acq: 17 Feb 2022 18:23

Tgt Ion:114 Resp: 1300496
Ion Ratio Lower Upper
114 100
63 21.3 0.0 37.8
88 15.6 0.0 27.4

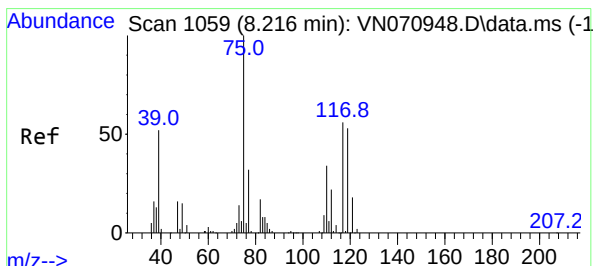
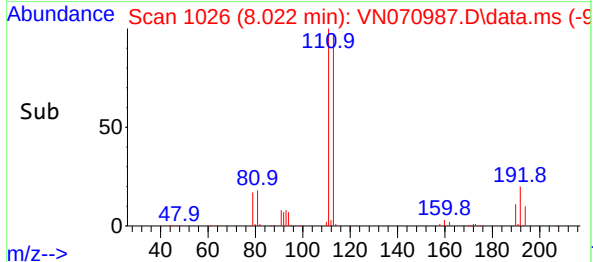
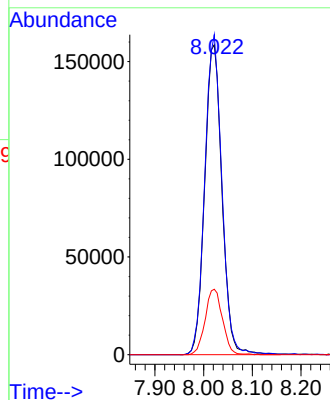
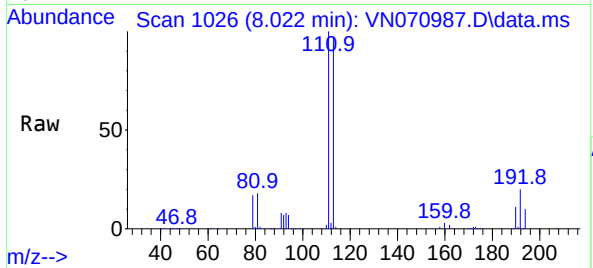




#35
Dibromofluoromethane
Concen: 50.395 ug/l
RT: 8.022 min Scan# 1036
Delta R.T. 0.006 min
Lab File: VN070987.D
Acq: 17 Feb 2022 18:23

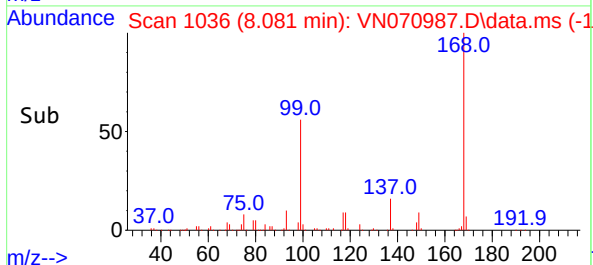
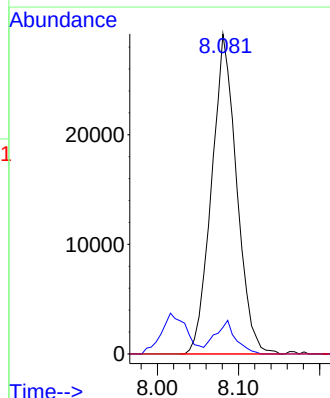
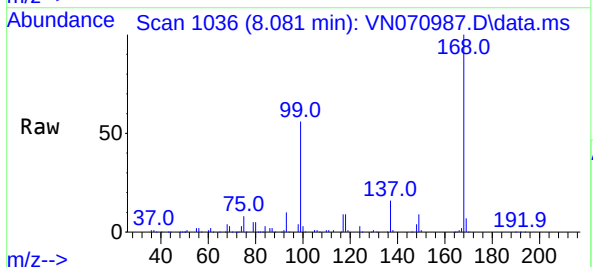
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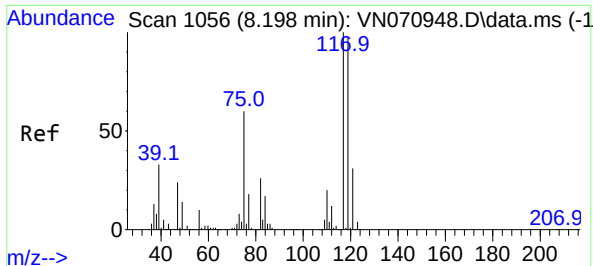
Tgt Ion:113 Resp: 389824
Ion Ratio Lower Upper
113 100
111 102.1 82.2 123.2
192 21.2 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.938 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN070987.D
Acq: 17 Feb 2022 18:23

Tgt Ion: 75 Resp: 62579
Ion Ratio Lower Upper
75 100
110 8.5 18.4 55.2#
77 0.0 24.4 36.6#

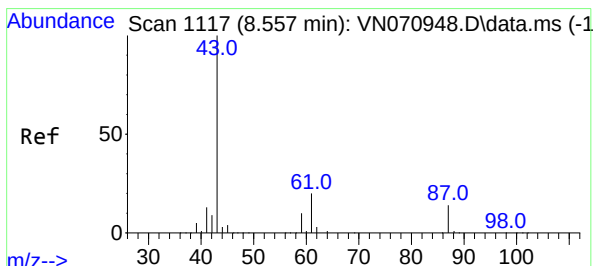
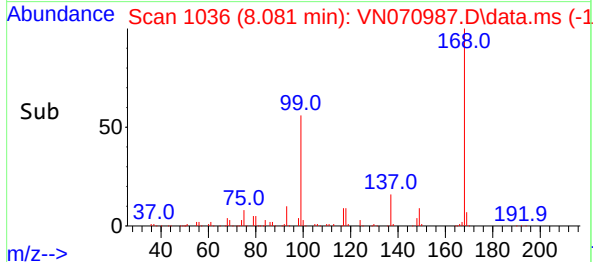
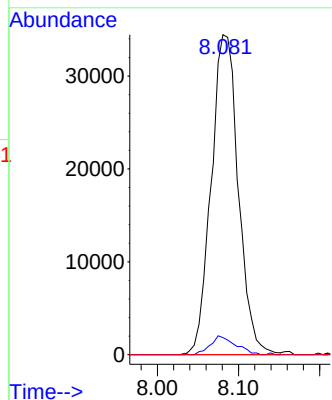
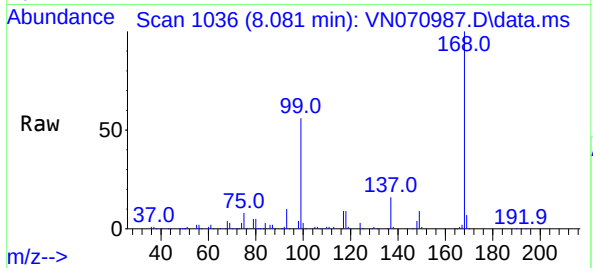




#38
Carbon Tetrachloride
Concen: 6.406 ug/l
RT: 8.081 min Scan# 1138
Delta R.T. -0.118 min
Lab File: VN070987.D
Acq: 17 Feb 2022 18:23

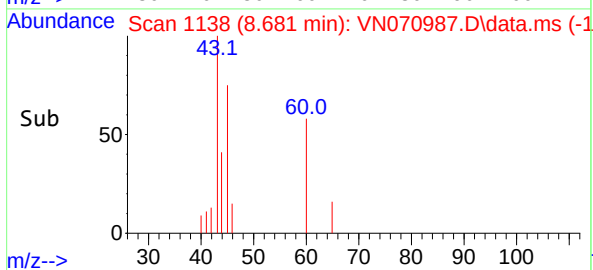
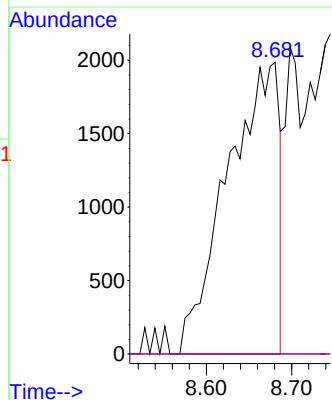
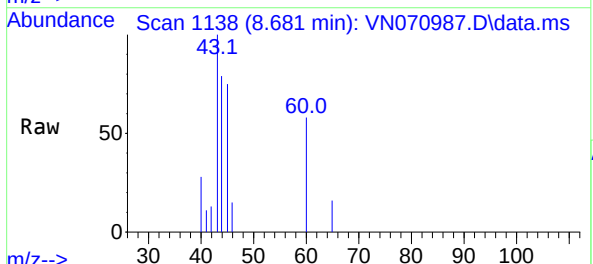
Instrument :
MSVOA_N
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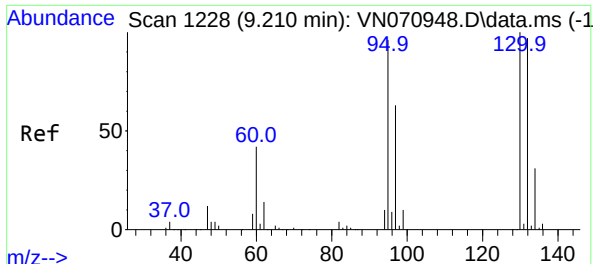
Tgt Ion:117 Resp: 79993
Ion Ratio Lower Upper
117 100
119 5.4 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 0.391 ug/l
RT: 8.681 min Scan# 1138
Delta R.T. 0.124 min
Lab File: VN070987.D
Acq: 17 Feb 2022 18:23

Tgt Ion: 43 Resp: 8369
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 11.2 16.8#

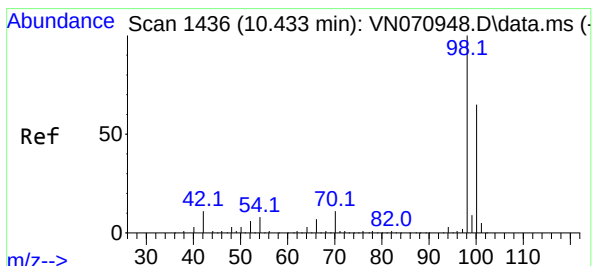
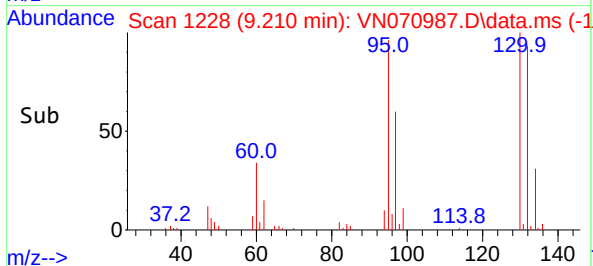
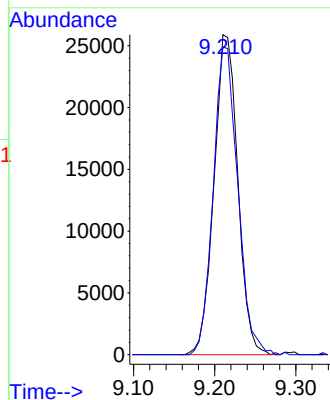
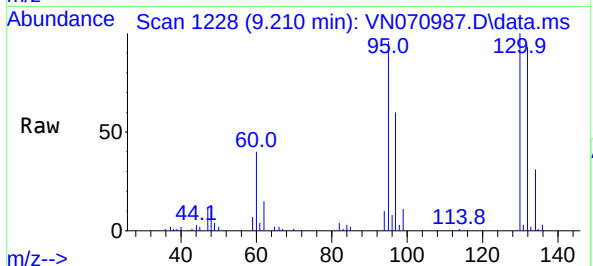




#44
Trichloroethene
Concen: 5.350 ug/l
RT: 9.210 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN070987.D
Acq: 17 Feb 2022 18:23

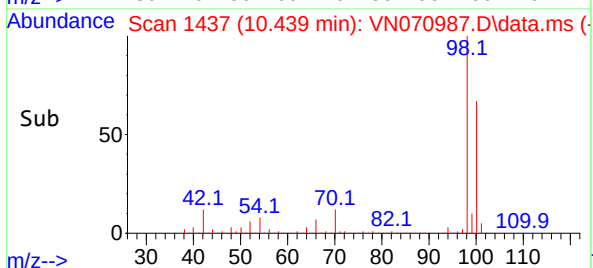
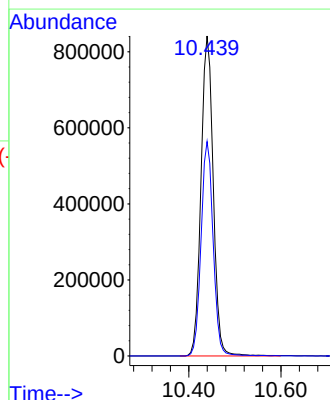
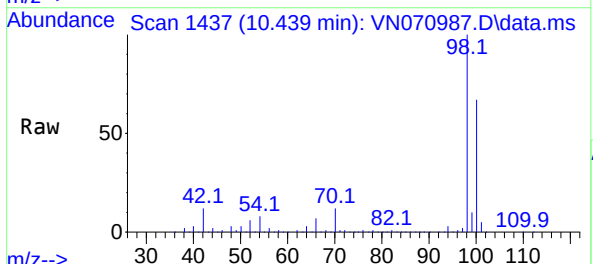
Instrument :
MSVOA_N
ClientSampleId :
MH-121.5T-20220215

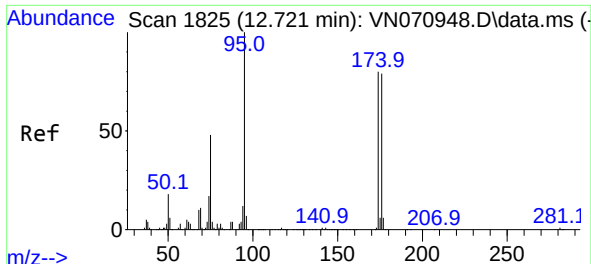
Tgt Ion:130 Resp: 52814
Ion Ratio Lower Upper
130 100
95 96.1 0.0 191.2



#50
Toluene-d8
Concen: 50.153 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.006 min
Lab File: VN070987.D
Acq: 17 Feb 2022 18:23

Tgt Ion: 98 Resp: 1557980
Ion Ratio Lower Upper
98 100
100 66.0 50.4 75.6

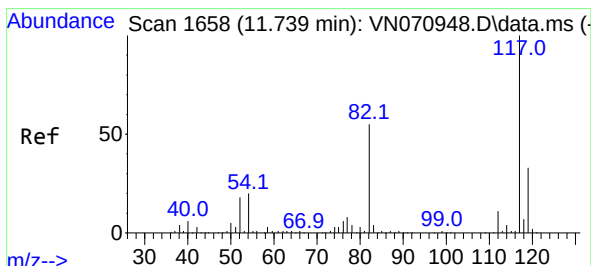
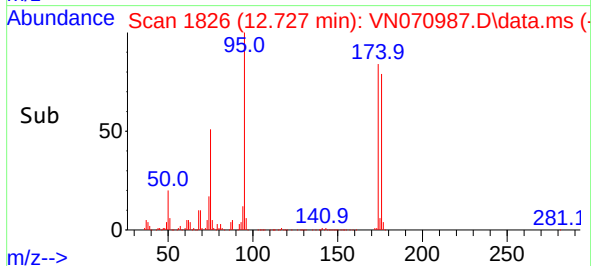
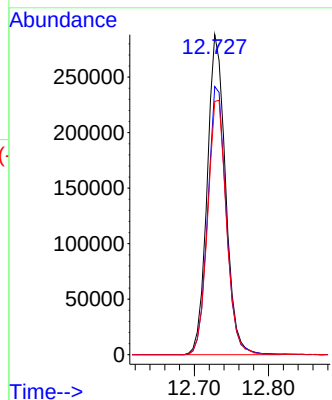
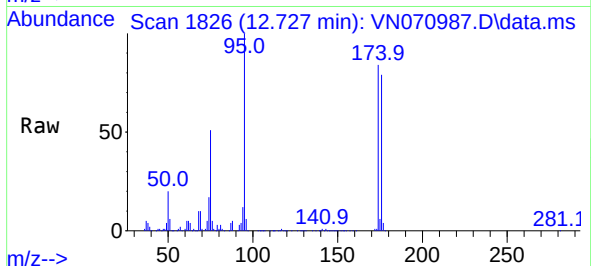




#62
4-Bromofluorobenzene
Concen: 44.659 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.006 min
Lab File: VN070987.D
Acq: 17 Feb 2022 18:23

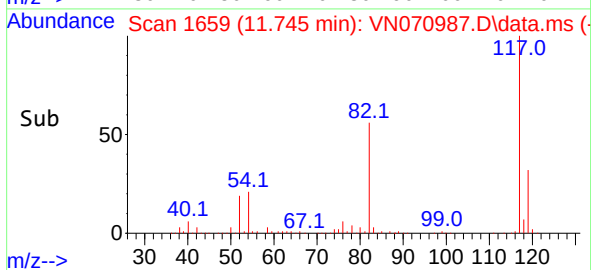
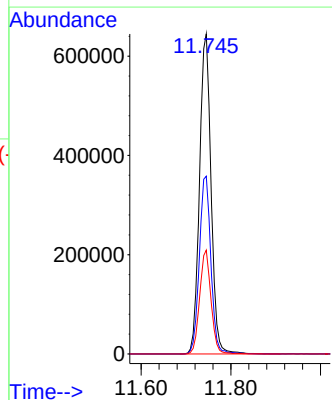
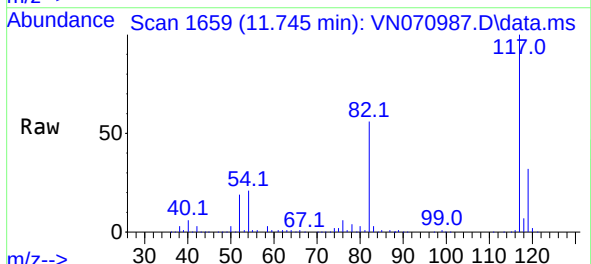
Instrument :
MSVOA_N
ClientSampleId :
MH-121.5T-20220215

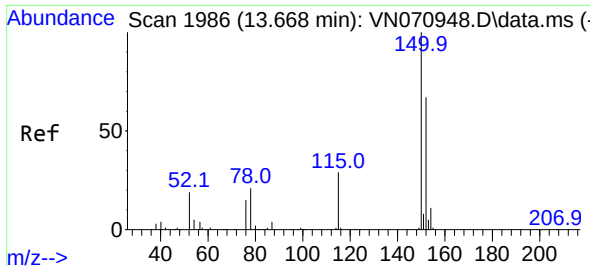
Tgt Ion: 95 Resp: 495882
Ion Ratio Lower Upper
95 100
174 84.4 0.0 187.2
176 81.6 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.745 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VN070987.D
Acq: 17 Feb 2022 18:23

Tgt Ion: 117 Resp: 1149866
Ion Ratio Lower Upper
117 100
82 55.6 42.4 63.6
119 32.4 25.4 38.2

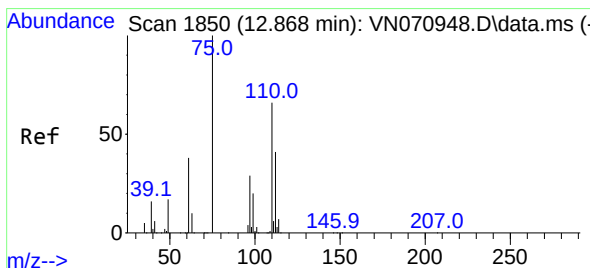
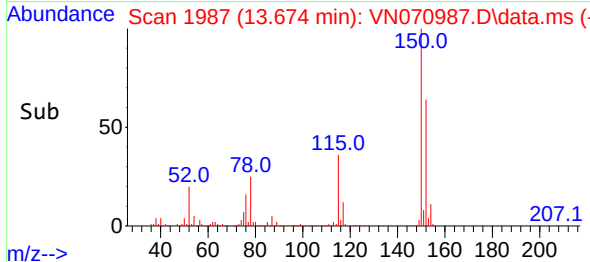
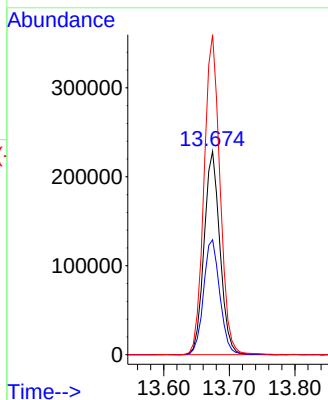
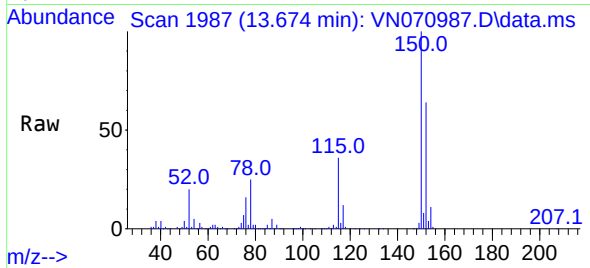




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1986
Delta R.T. 0.006 min
Lab File: VN070987.D
Acq: 17 Feb 2022 18:23

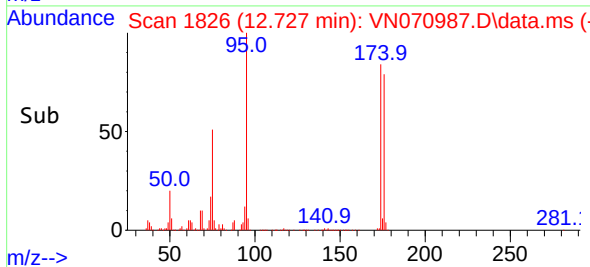
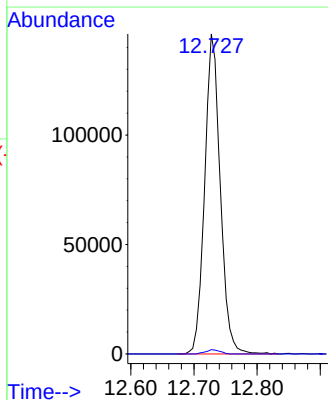
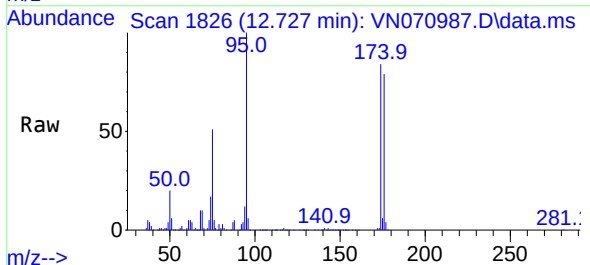
Instrument :
MSVOA_N
ClientSampleId :
MH-121.5T-20220215

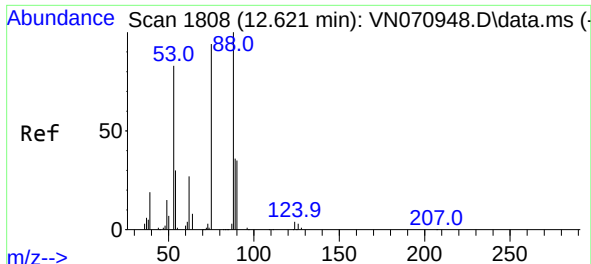
Tgt Ion:152 Resp: 385377
Ion Ratio Lower Upper
152 100
115 58.0 27.5 82.5
150 158.3 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 27.618 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.141 min
Lab File: VN070987.D
Acq: 17 Feb 2022 18:23

Tgt Ion: 75 Resp: 250604
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#

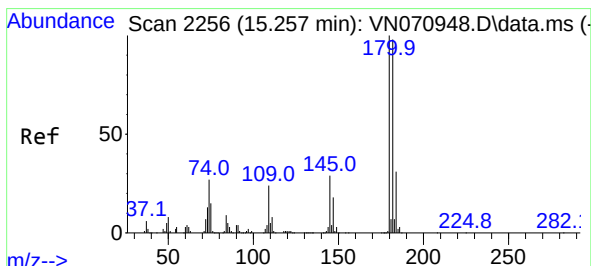
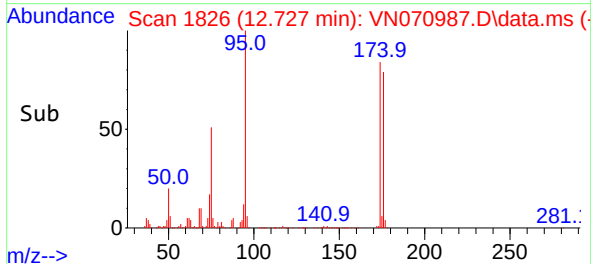
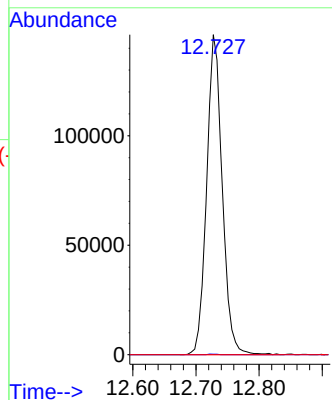
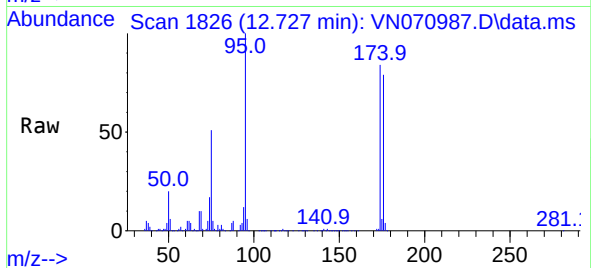




#81
trans-1,4-Dichloro-2-butene
Concen: 89.497 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN070987.D
Acq: 17 Feb 2022 18:23

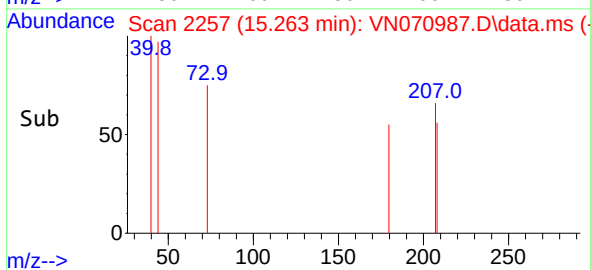
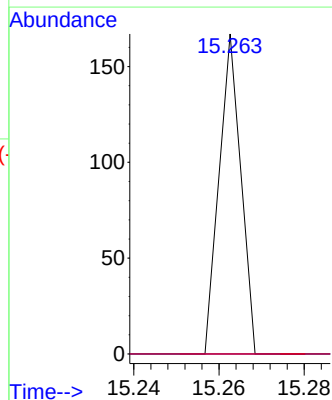
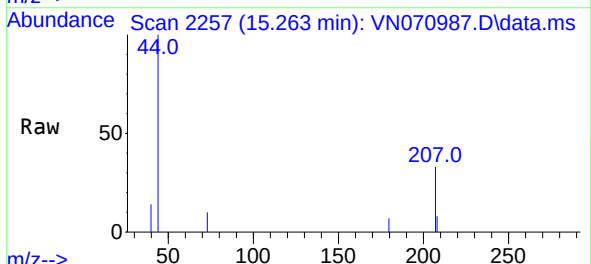
Instrument :
MSVOA_N
ClientSampleId :
MH-121.5T-20220215

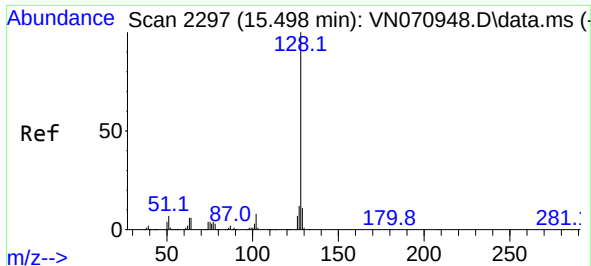
Tgt Ion: 75 Resp: 250604
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 2.007 ug/l
RT: 15.263 min Scan# 2257
Delta R.T. 0.006 min
Lab File: VN070987.D
Acq: 17 Feb 2022 18:23

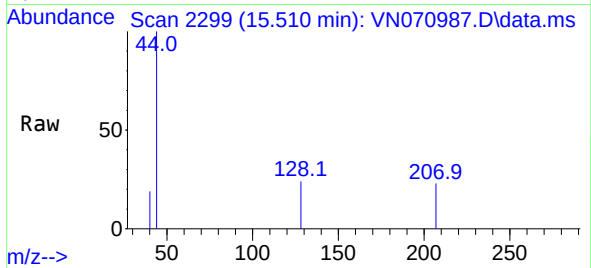
Tgt Ion: 180 Resp: 59
Ion Ratio Lower Upper
180 100
182 0.0 48.3 144.9#
145 0.0 14.5 43.5#





#95
Naphthalene
Concen: 5.035 ug/l
RT: 15.510 min Scan# 21
Delta R.T. 0.012 min
Lab File: VN070987.D
Acq: 17 Feb 2022 18:23

Instrument :
MSVOA_N
ClientSampleId :
MH-121.5T-20220215



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

