

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021722\
 Data File : VN070983.D
 Acq On : 17 Feb 2022 16:43
 Operator : JC\MD
 Sample : N1581-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MH-117T-20220215

Quant Time: Feb 18 00:47:11 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)

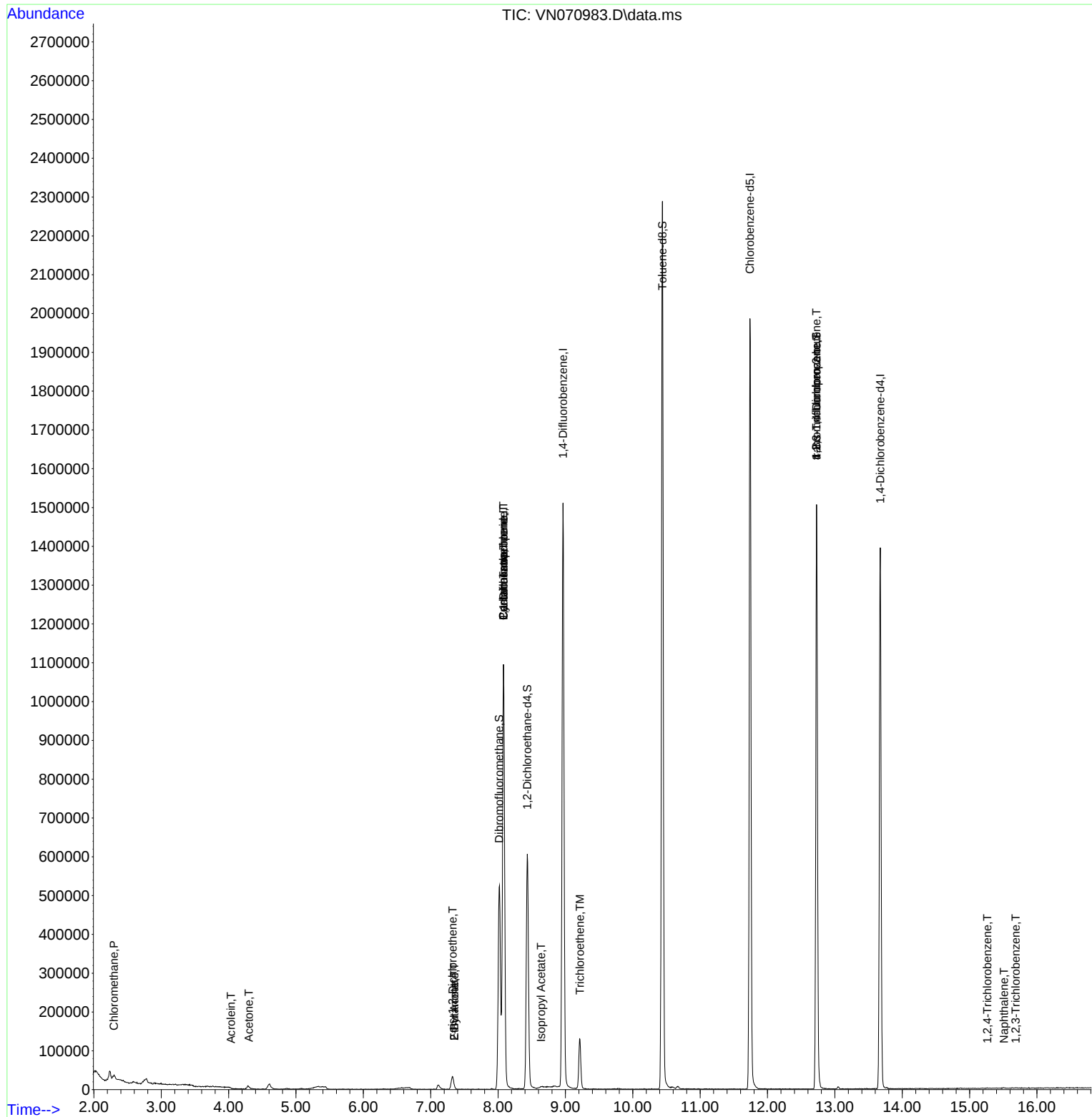
Internal Standards						
1) Pentafluorobenzene	8.081	168	849021	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1335164	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1199032	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	411720	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	495942	51.136	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	=	102.280%	
35) Dibromofluoromethane	8.016	113	395296	49.776	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	=	99.560%	
50) Toluene-d8	10.439	98	1591154	49.891	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	=	99.780%	
62) 4-Bromofluorobenzene	12.727	95	530854	46.567	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	=	93.140%	
Target Compounds						
						Qvalue
3) Chloromethane	2.299	50	2751	0.248	ug/l	92
13) Acrolein	4.034	56	688	0.436	ug/l #	80
16) Acetone	4.298	43	7770	1.455	ug/l	98
18) Methyl Acetate	4.851	43	3850	Below Cal	#	69
25) 2-Butanone	7.351	43	3545	0.499	ug/l #	88
27) cis-1,2-Dichloroethene	7.328	96	18914	1.845	ug/l	93
31) Cyclohexane	8.081	56	16142	0.962	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	63050	4.846	ug/l #	49
37) Ethyl Acetate	7.351	43	3545	0.254	ug/l #	68
38) Carbon Tetrachloride	8.081	117	80200	6.256	ug/l #	16
43) Isopropyl Acetate	8.639	43	4612	0.210	ug/l #	55
44) Trichloroethene	9.216	130	49090	4.844	ug/l	100
76) 1,2,3-Trichloropropane	12.727	75	268289	27.676	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	268289	89.682	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.262	180	593	2.074	ug/l #	65
95) Naphthalene	15.510	128	1850	5.080	ug/l #	77
96) 1,2,3-Trichlorobenzene	15.686	180	405	2.571	ug/l #	77

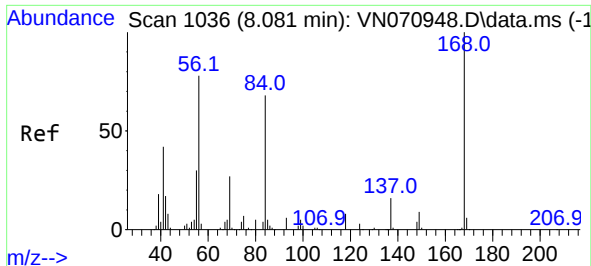
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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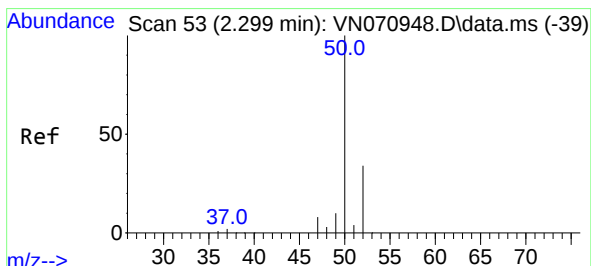
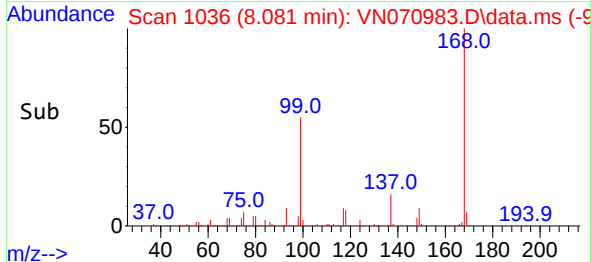
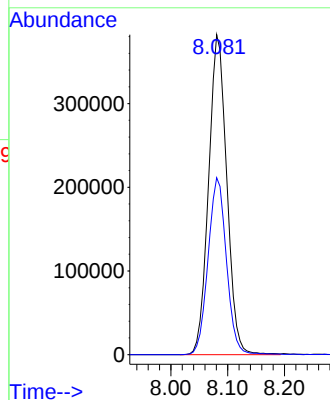
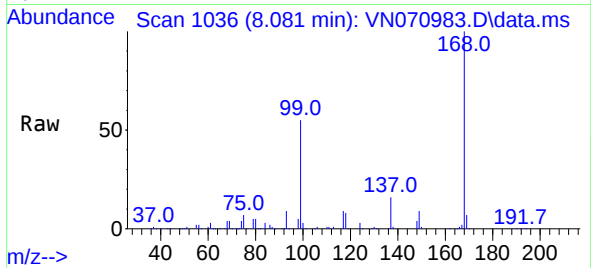




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN070983.D
Acq: 17 Feb 2022 16:43

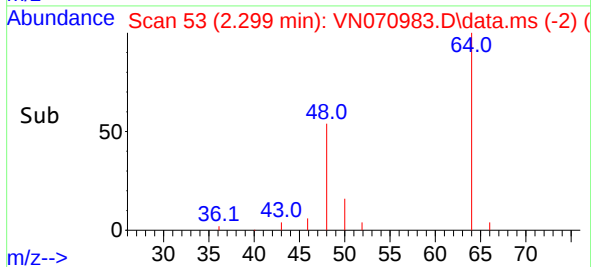
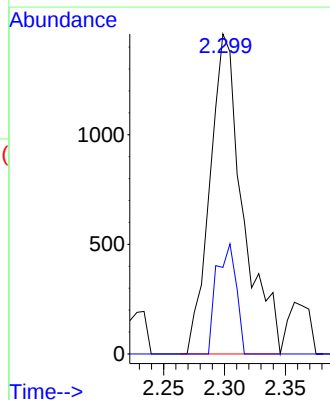
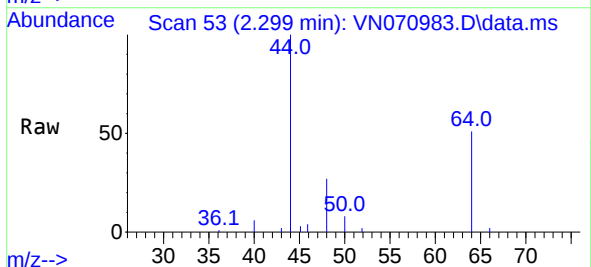
Instrument :
MSVOA_N
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MH-117T-20220215

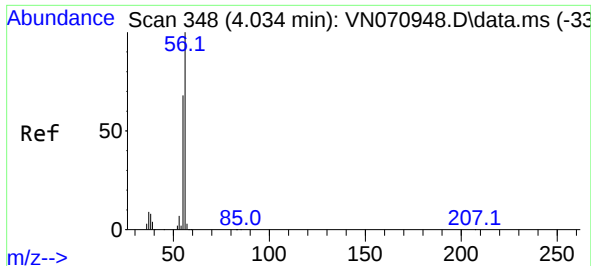
Tgt Ion:168 Resp: 849021
Ion Ratio Lower Upper
168 100
99 55.3 41.3 61.9



#3
Chloromethane
Concen: 0.248 ug/l
RT: 2.299 min Scan# 53
Delta R.T. 0.000 min
Lab File: VN070983.D
Acq: 17 Feb 2022 16:43

Tgt Ion: 50 Resp: 2751
Ion Ratio Lower Upper
50 100
52 27.1 25.4 38.0

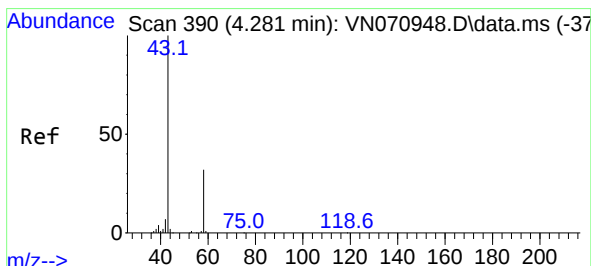
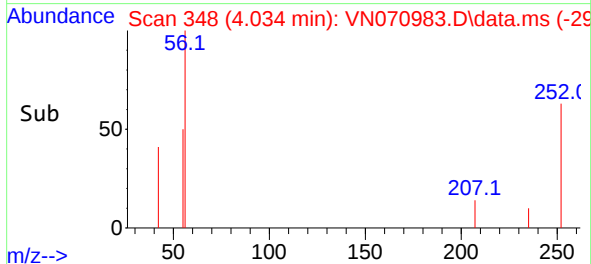
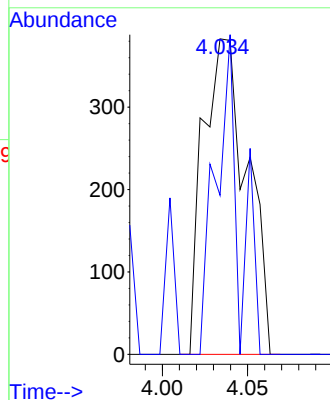
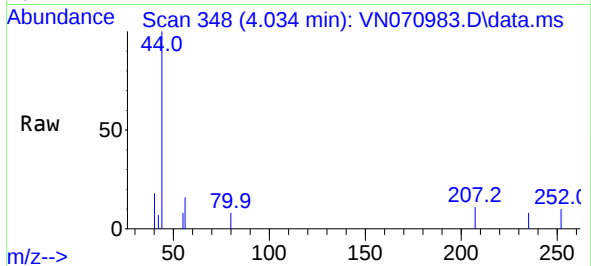




#13
Acrolein
Concen: 0.436 ug/l
RT: 4.034 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN070983.D
Acq: 17 Feb 2022 16:43

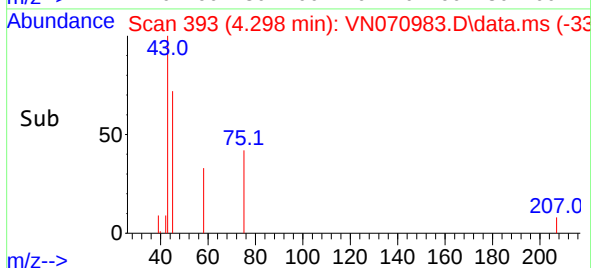
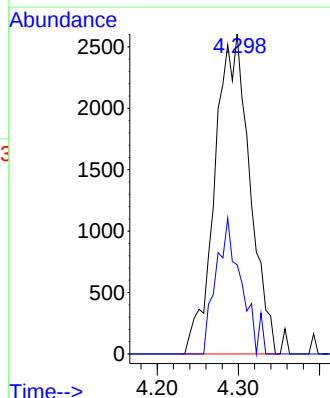
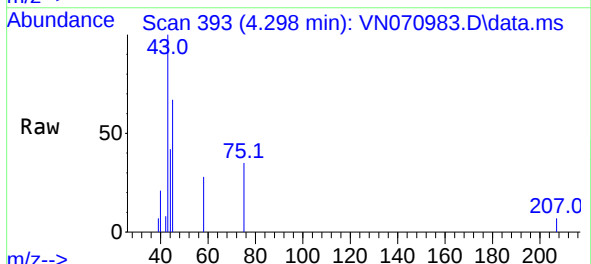
Instrument :
MSVOA_N
ClientSampleId :
MH-117T-20220215

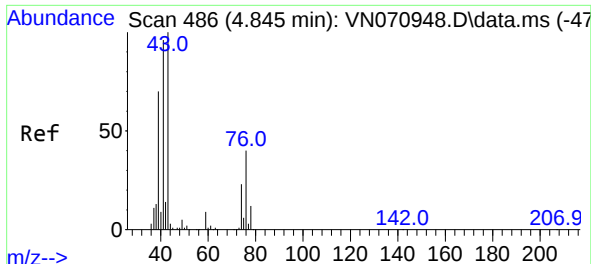
Tgt Ion: 56 Resp: 688
Ion Ratio Lower Upper
56 100
55 54.5 56.6 85.0#



#16
Acetone
Concen: 1.455 ug/l
RT: 4.298 min Scan# 393
Delta R.T. 0.018 min
Lab File: VN070983.D
Acq: 17 Feb 2022 16:43

Tgt Ion: 43 Resp: 7770
Ion Ratio Lower Upper
43 100
58 27.9 23.1 34.7





#18

Methyl Acetate

Concen: Below Cal

RT: 4.851 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN070983.D

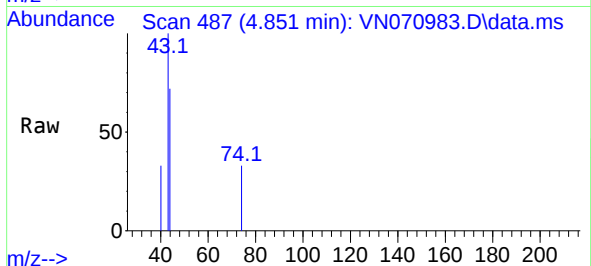
Acq: 17 Feb 2022 16:43

Instrument :

MSVOA_N

ClientSampleId :

MH-117T-20220215

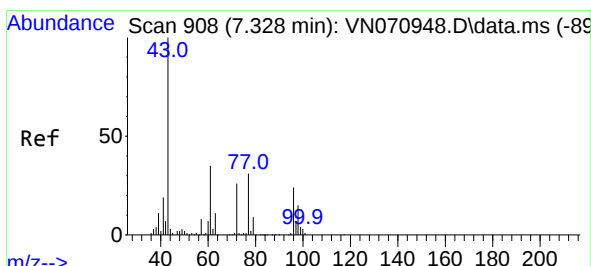
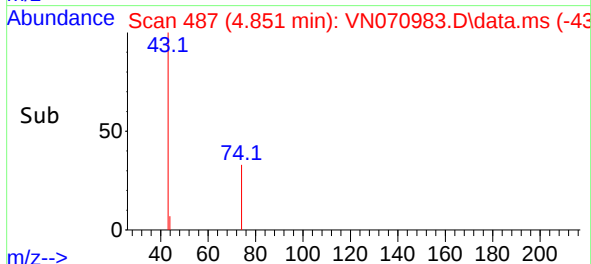
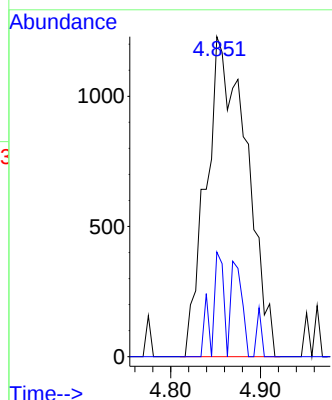


Tgt Ion: 43 Resp: 3850

Ion Ratio Lower Upper

43 100

74 9.2 19.4 29.2#



#25

2-Butanone

Concen: 0.499 ug/l

RT: 7.351 min Scan# 912

Delta R.T. 0.024 min

Lab File: VN070983.D

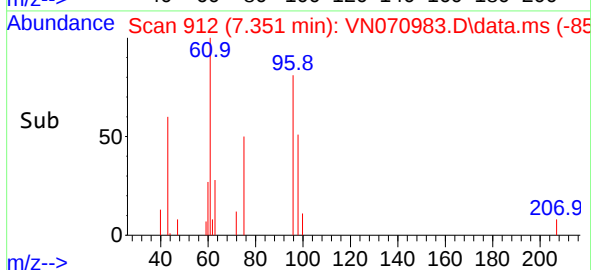
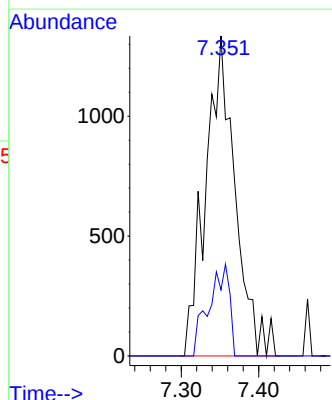
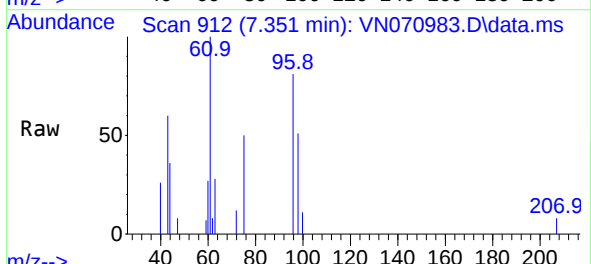
Acq: 17 Feb 2022 16:43

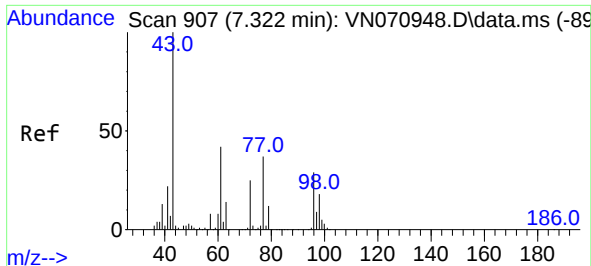
Tgt Ion: 43 Resp: 3545

Ion Ratio Lower Upper

43 100

72 20.7 21.7 32.5#





#27

cis-1,2-Dichloroethene

Concen: 1.845 ug/l

RT: 7.328 min Scan# 907

Delta R.T. 0.006 min

Lab File: VN070983.D

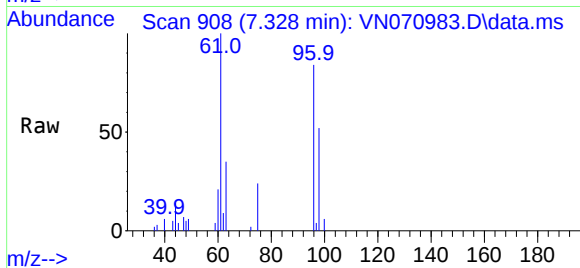
Acq: 17 Feb 2022 16:43

Instrument :

MSVOA_N

ClientSampleId :

MH-117T-20220215



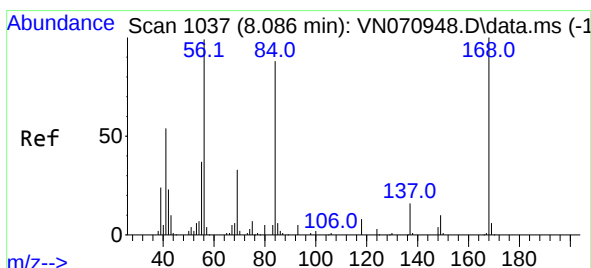
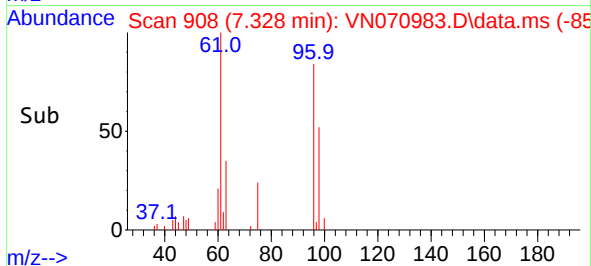
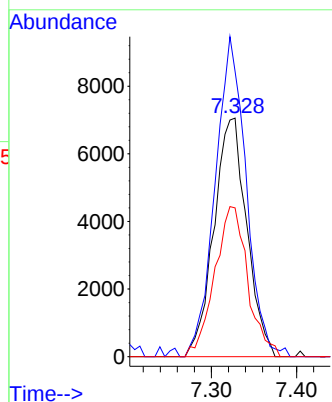
Tgt Ion: 96 Resp: 18914

Ion Ratio Lower Upper

96 100

61 126.4 0.0 275.0

98 63.5 0.0 129.6



#31

Cyclohexane

Concen: 0.962 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VN070983.D

Acq: 17 Feb 2022 16:43

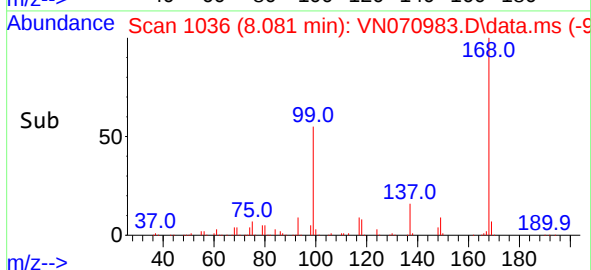
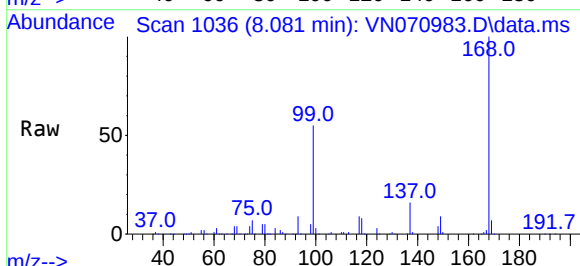
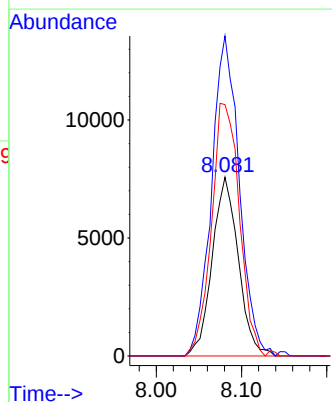
Tgt Ion: 56 Resp: 16142

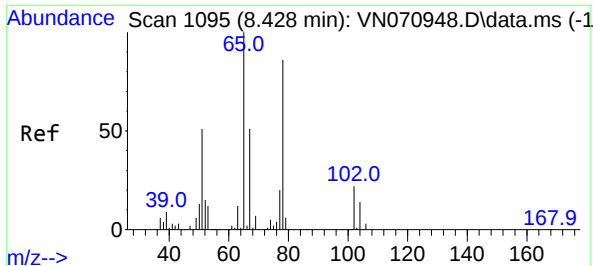
Ion Ratio Lower Upper

56 100

69 179.1 27.1 40.7#

84 140.6 73.4 110.0#

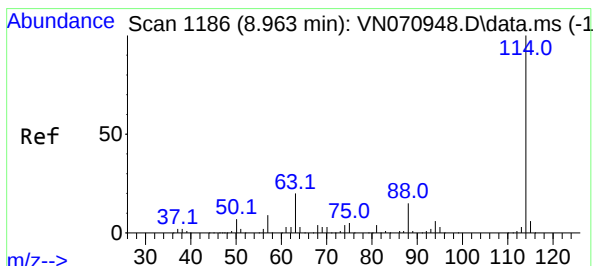
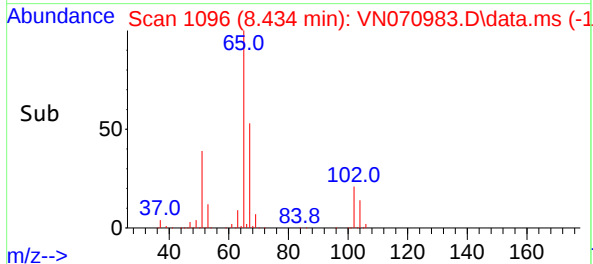
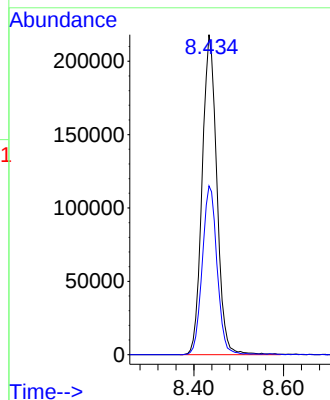
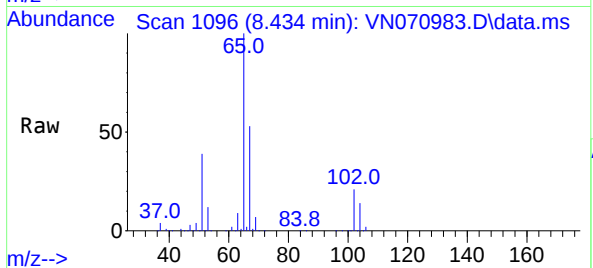




#33
1,2-Dichloroethane-d4
Concen: 51.136 ug/l
RT: 8.434 min Scan# 1095
Delta R.T. 0.006 min
Lab File: VN070983.D
Acq: 17 Feb 2022 16:43

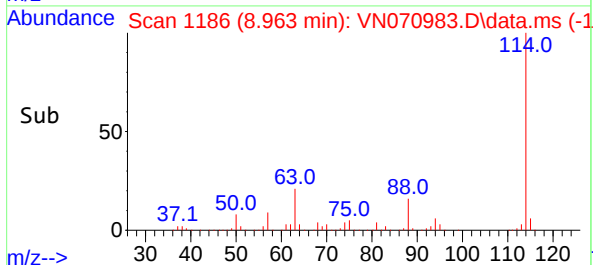
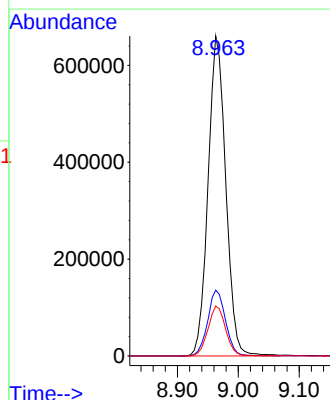
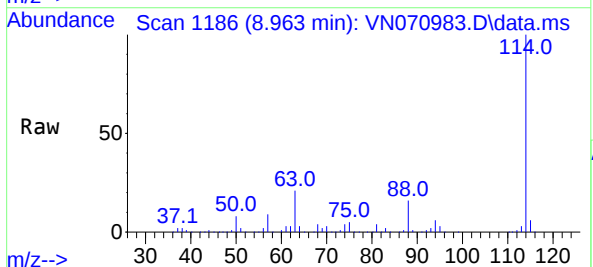
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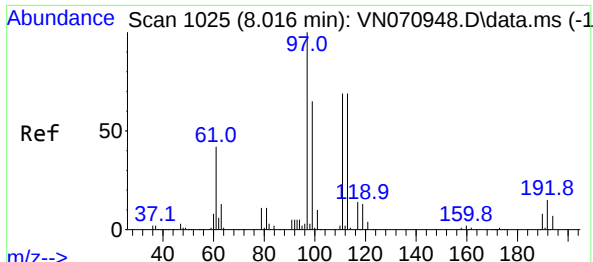
Tgt Ion: 65 Resp: 495942
Ion Ratio Lower Upper
65 100
67 53.0 0.0 103.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. 0.000 min
Lab File: VN070983.D
Acq: 17 Feb 2022 16:43

Tgt Ion: 114 Resp: 1335164
Ion Ratio Lower Upper
114 100
63 20.6 0.0 37.8
88 15.6 0.0 27.4

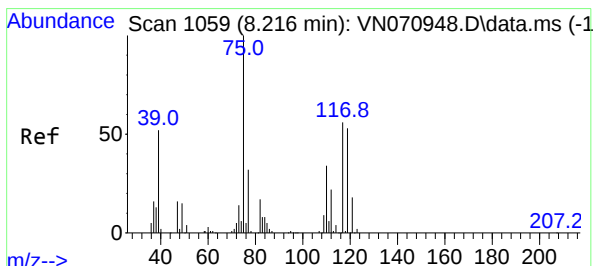
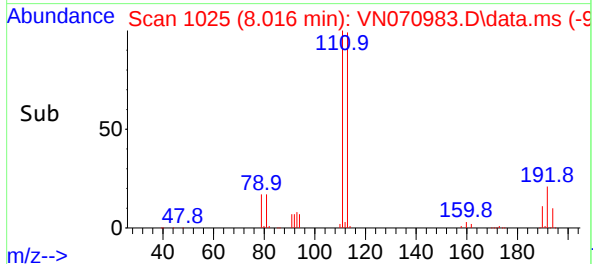
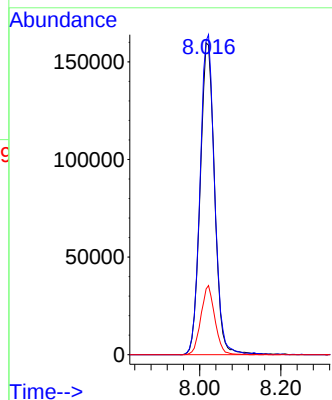
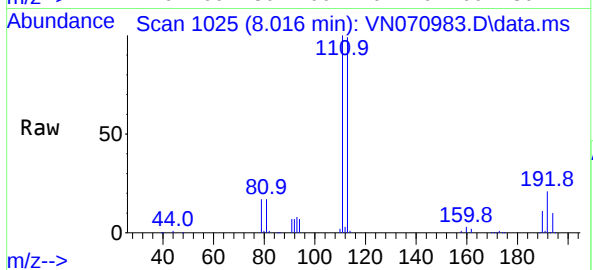




#35
Dibromofluoromethane
Concen: 49.776 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. 0.000 min
Lab File: VN070983.D
Acq: 17 Feb 2022 16:43

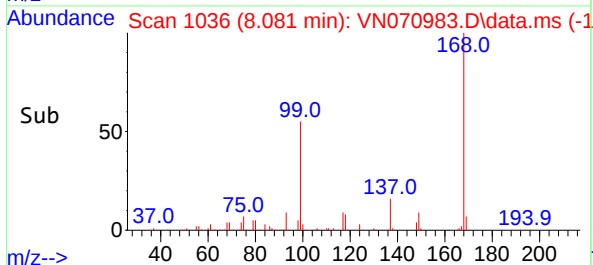
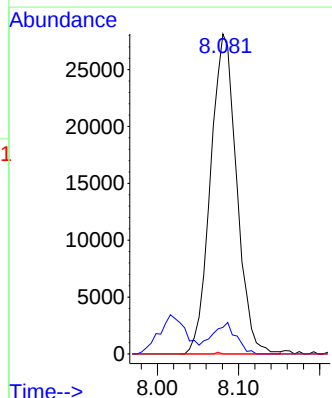
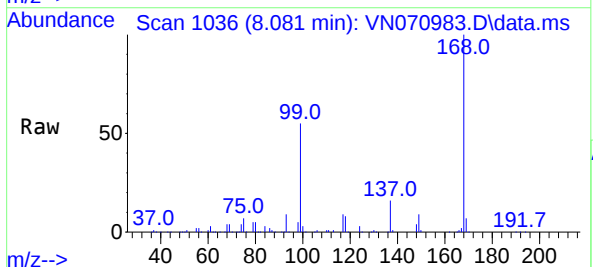
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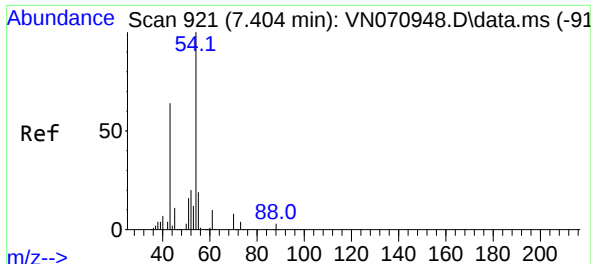
Tgt Ion:113 Resp: 395296
Ion Ratio Lower Upper
113 100
111 102.5 82.2 123.2
192 21.4 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.846 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN070983.D
Acq: 17 Feb 2022 16:43

Tgt Ion: 75 Resp: 63050
Ion Ratio Lower Upper
75 100
110 9.1 18.4 55.2#
77 0.1 24.4 36.6#

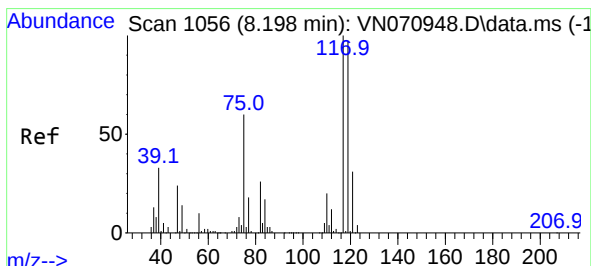
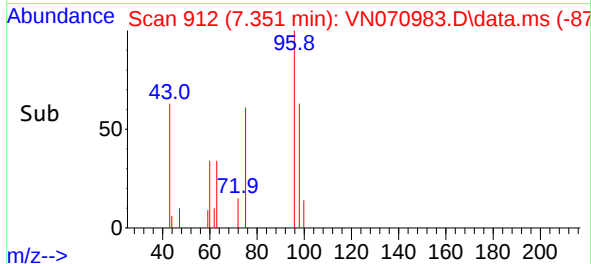
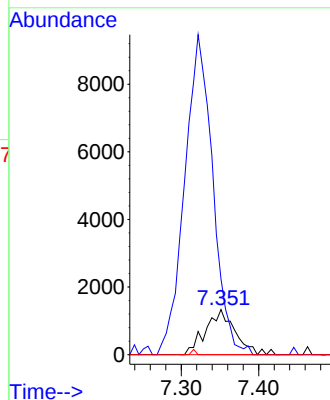
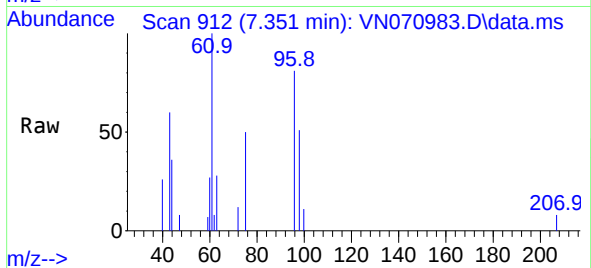




#37
Ethyl Acetate
Concen: 0.254 ug/l
RT: 7.351 min Scan# 91
Delta R.T. -0.053 min
Lab File: VN070983.D
Acq: 17 Feb 2022 16:43

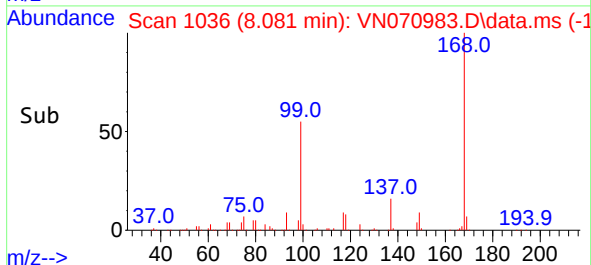
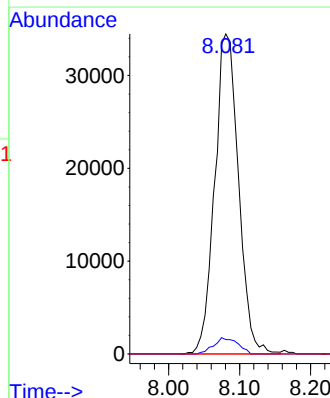
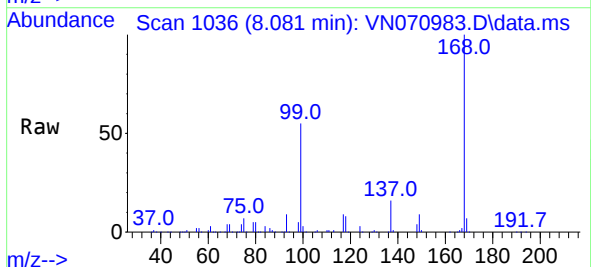
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MH-117T-20220215

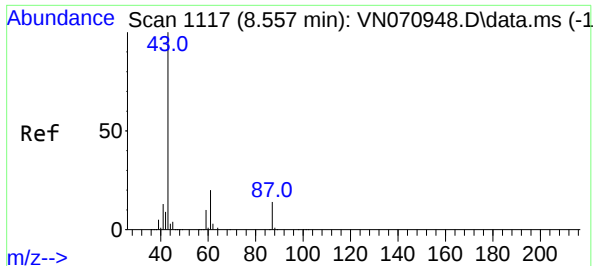
Tgt Ion: 43 Resp: 3545
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 6.256 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.118 min
Lab File: VN070983.D
Acq: 17 Feb 2022 16:43

Tgt Ion: 117 Resp: 80200
Ion Ratio Lower Upper
117 100
119 4.5 76.1 114.1#
121 0.0 24.2 36.2#

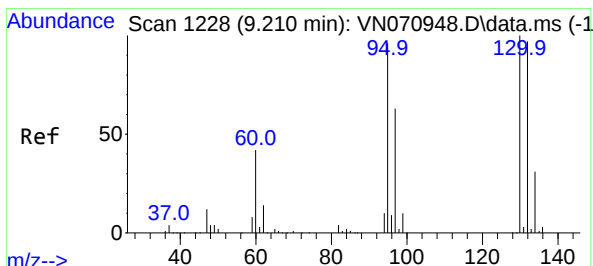
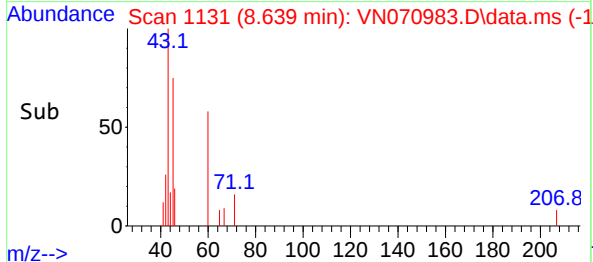
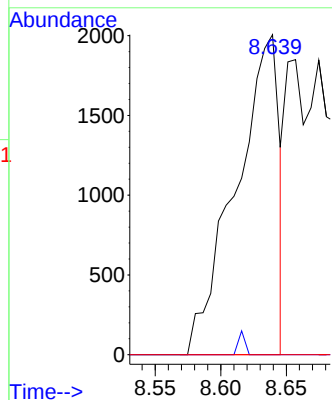
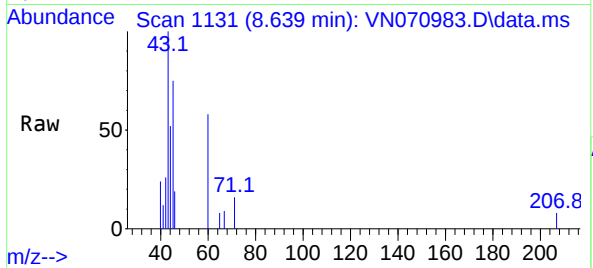




#43
Isopropyl Acetate
Concen: 0.210 ug/l
RT: 8.639 min Scan# 1117
Delta R.T. 0.082 min
Lab File: VN070983.D
Acq: 17 Feb 2022 16:43

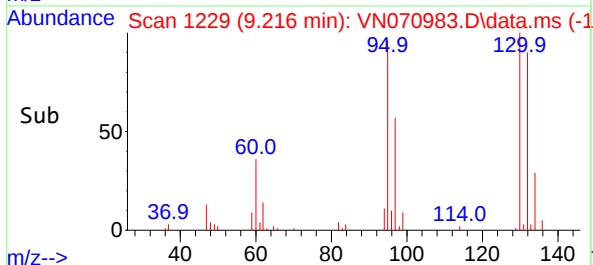
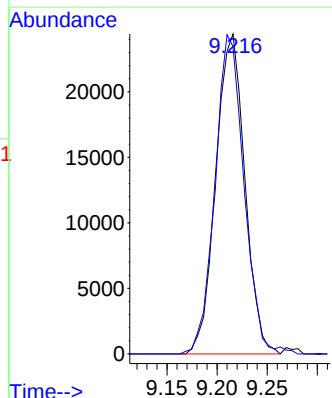
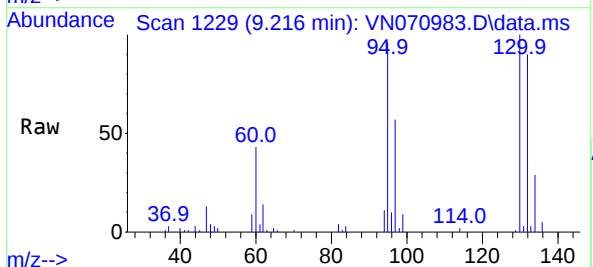
Instrument :
MSVOA_N
ClientSampleId :
MH-117T-20220215

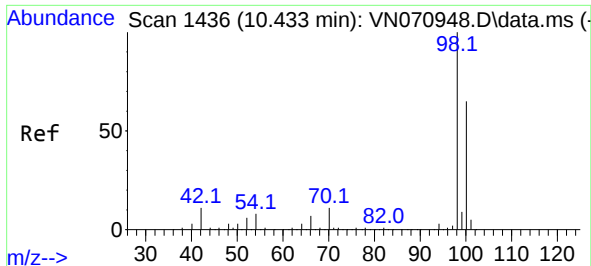
Tgt Ion: 43 Resp: 4612
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 11.2 16.8#



#44
Trichloroethene
Concen: 4.844 ug/l
RT: 9.216 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VN070983.D
Acq: 17 Feb 2022 16:43

Tgt Ion: 130 Resp: 49090
Ion Ratio Lower Upper
130 100
95 96.0 0.0 191.2

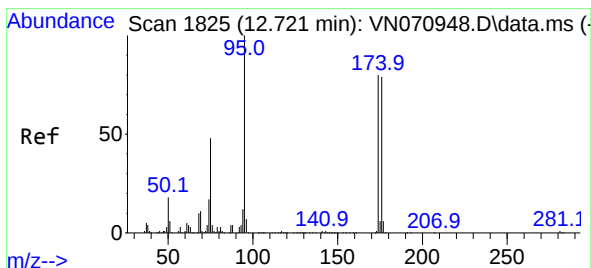
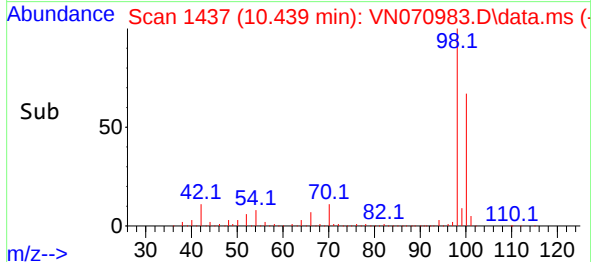
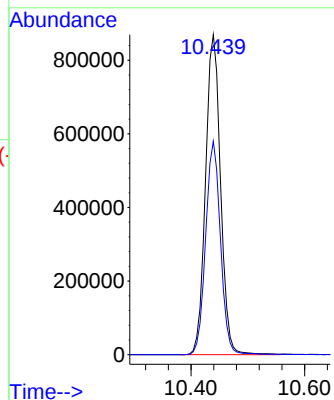
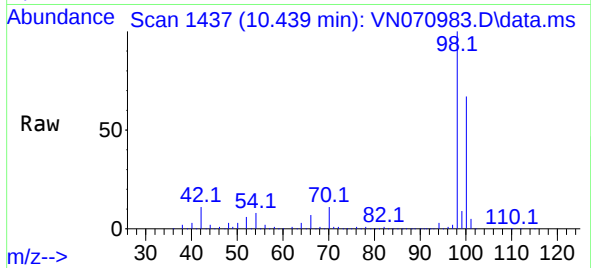




#50
Toluene-d8
Concen: 49.891 ug/l
RT: 10.439 min Scan# 1436
Delta R.T. 0.006 min
Lab File: VN070983.D
Acq: 17 Feb 2022 16:43

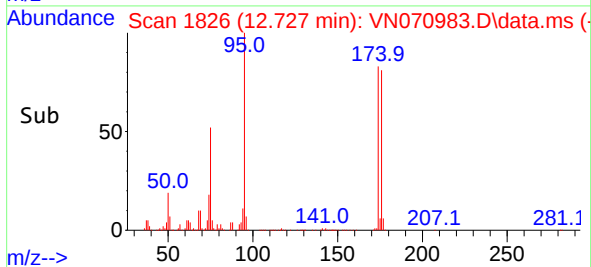
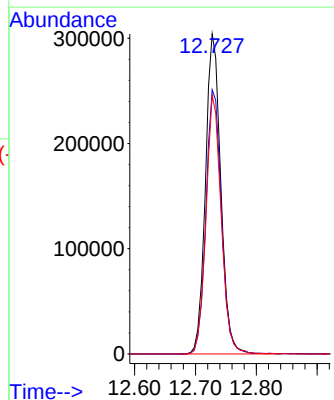
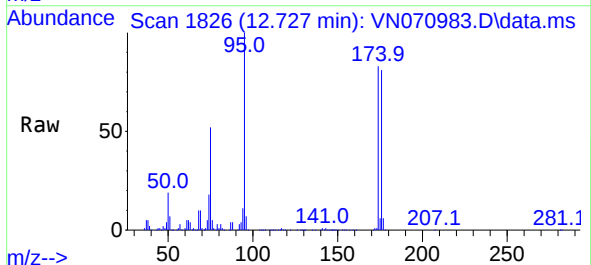
Instrument :
MSVOA_N
ClientSampleId :
MH-117T-20220215

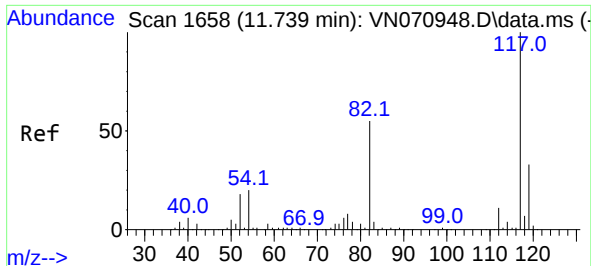
Tgt Ion: 98 Resp: 1591154
Ion Ratio Lower Upper
98 100
100 66.0 50.4 75.6



#62
4-Bromofluorobenzene
Concen: 46.567 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.006 min
Lab File: VN070983.D
Acq: 17 Feb 2022 16:43

Tgt Ion: 95 Resp: 530854
Ion Ratio Lower Upper
95 100
174 84.1 0.0 187.2
176 80.0 0.0 181.4

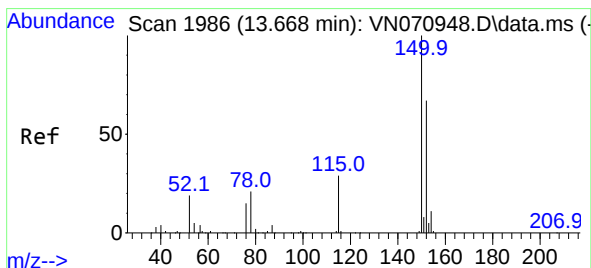
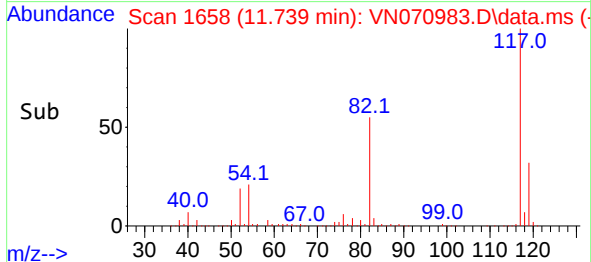
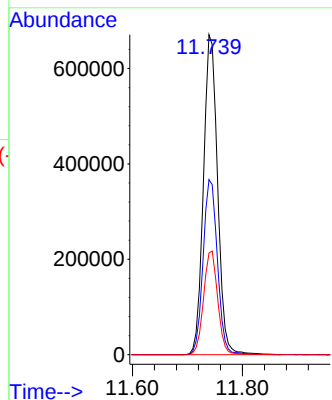
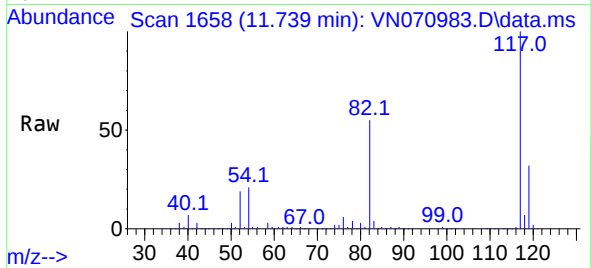




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN070983.D
Acq: 17 Feb 2022 16:43

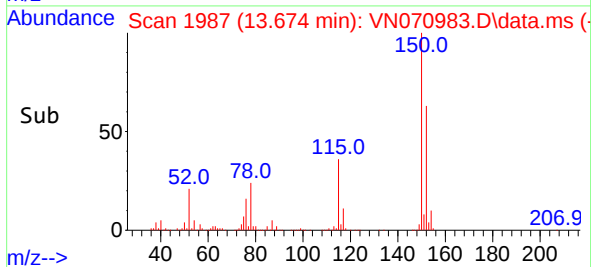
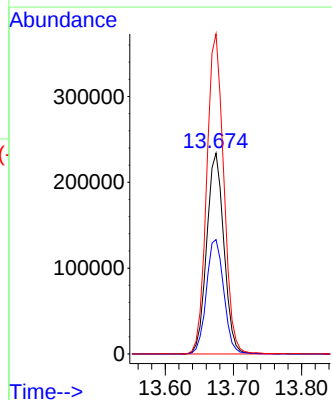
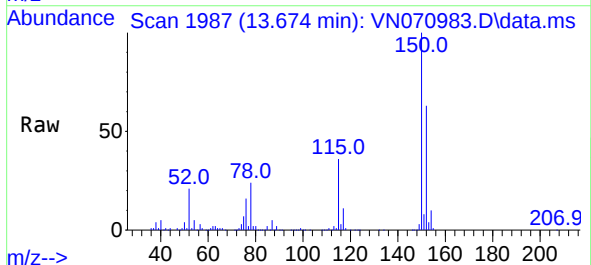
Instrument :
MSVOA_N
ClientSampleId :
MH-117T-20220215

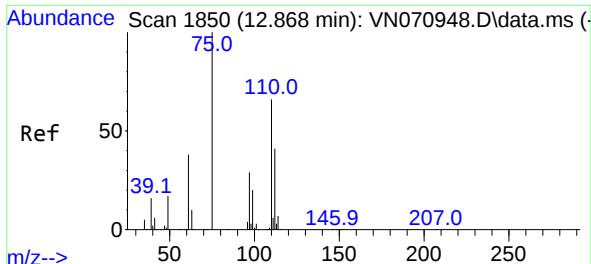
Tgt Ion:117 Resp: 1199032
Ion Ratio Lower Upper
117 100
82 54.7 42.4 63.6
119 31.7 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.006 min
Lab File: VN070983.D
Acq: 17 Feb 2022 16:43

Tgt Ion:152 Resp: 411720
Ion Ratio Lower Upper
152 100
115 57.7 27.5 82.5
150 157.5 0.0 344.4

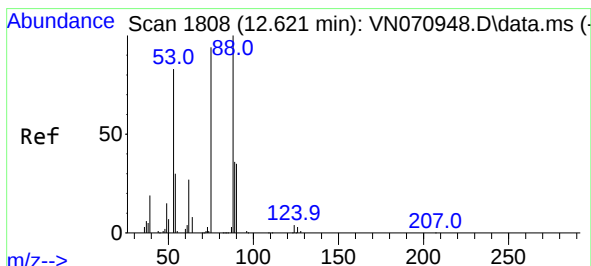
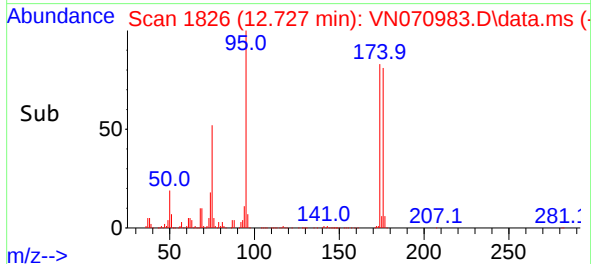
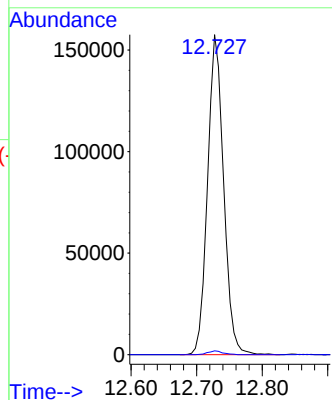
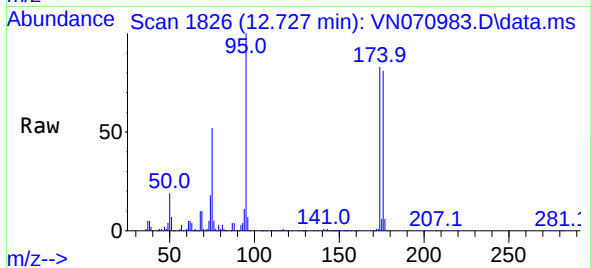




#76
1,2,3-Trichloropropane
Concen: 27.676 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.141 min
Lab File: VN070983.D
Acq: 17 Feb 2022 16:43

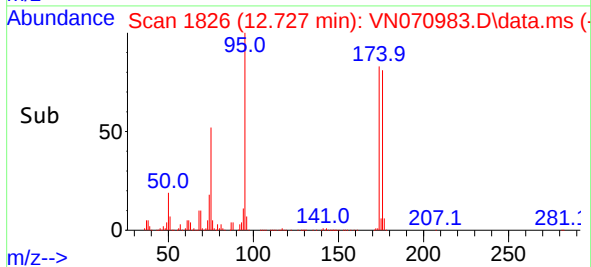
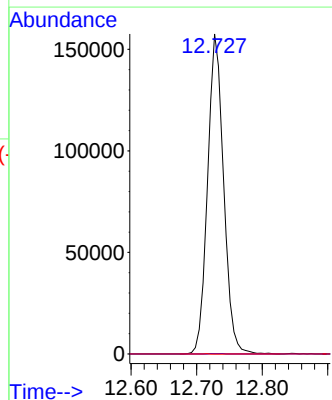
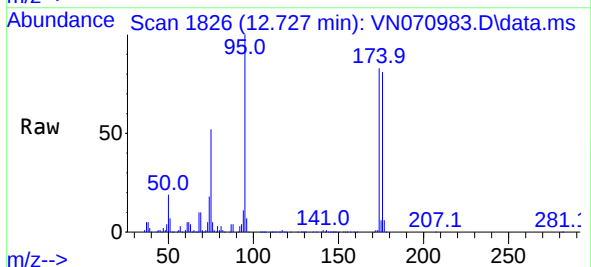
Instrument :
MSVOA_N
ClientSampleId :
MH-117T-20220215

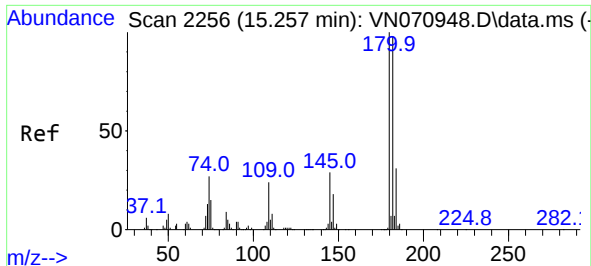
Tgt Ion: 75 Resp: 268289
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.682 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN070983.D
Acq: 17 Feb 2022 16:43

Tgt Ion: 75 Resp: 268289
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

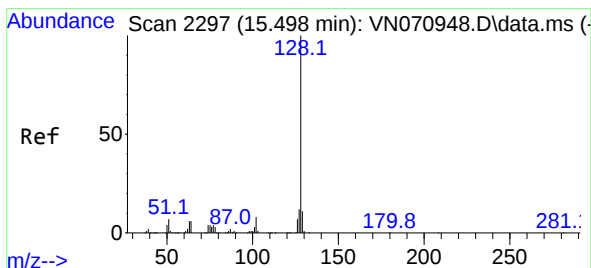
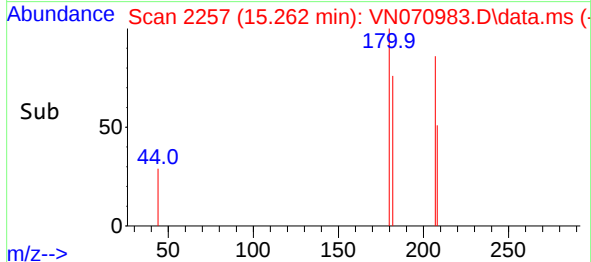
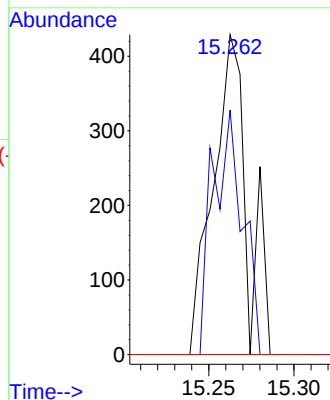
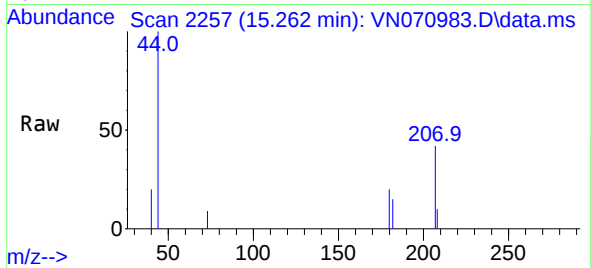




#93
1,2,4-Trichlorobenzene
Concen: 2.074 ug/l
RT: 15.262 min Scan# 21
Delta R.T. 0.005 min
Lab File: VN070983.D
Acq: 17 Feb 2022 16:43

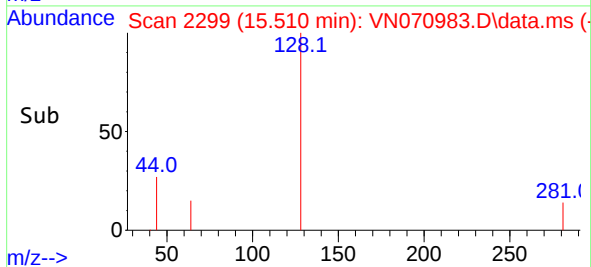
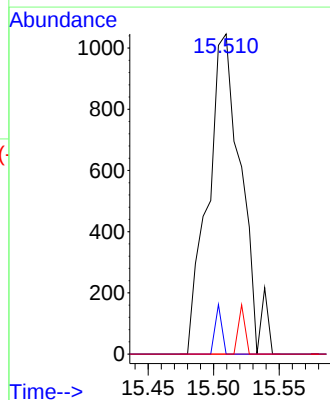
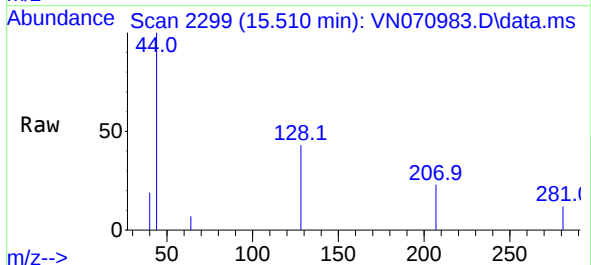
Instrument :
MSVOA_N
ClientSampleId :
MH-117T-20220215

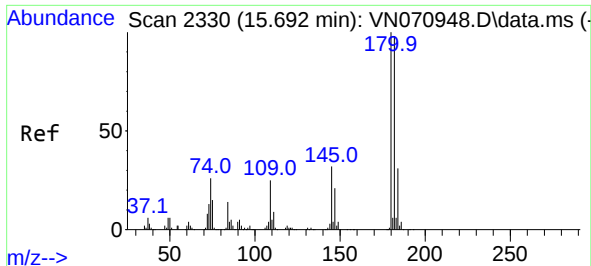
Tgt Ion:	180	Resp:	593
Ion	Ratio	Lower	Upper
180	100		
182	68.1	48.3	144.9
145	0.0	14.5	43.5#



#95
Naphthalene
Concen: 5.080 ug/l
RT: 15.510 min Scan# 2299
Delta R.T. 0.012 min
Lab File: VN070983.D
Acq: 17 Feb 2022 16:43

Tgt Ion:	128	Resp:	1850
Ion	Ratio	Lower	Upper
128	100		
127	3.1	10.5	15.7#
129	3.1	8.7	13.1#





#96

1,2,3-Trichlorobenzene

Concen: 2.571 ug/l

RT: 15.686 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN070983.D

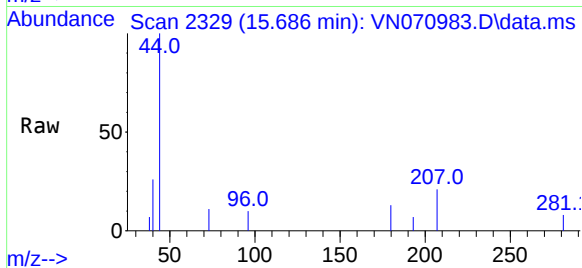
Acq: 17 Feb 2022 16:43

Instrument :

MSVOA_N

ClientSampleId :

MH-117T-20220215



Tgt Ion:180 Resp: 405

Ion Ratio Lower Upper

180 100

182 107.4 47.4 142.2

145 0.0 15.0 45.1#

