

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042522\
 Data File : VN072187.D
 Acq On : 25 Apr 2022 18:16
 Operator : JC\MD
 Sample : N2548-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MH-8D

Quant Time: Apr 26 05:40:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

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

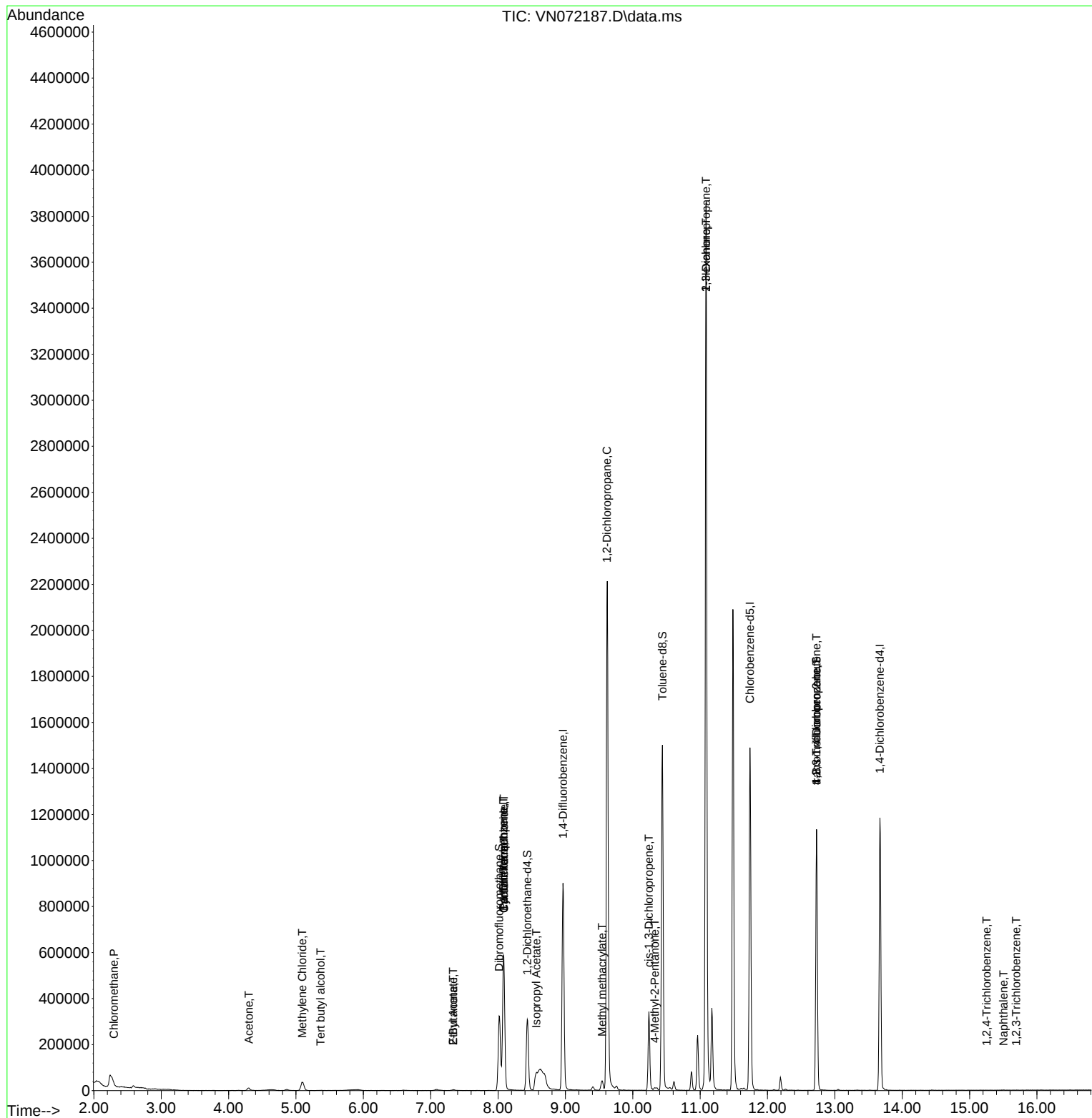
Internal Standards						
1) Pentafluorobenzene	8.081	168	511249	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	872704	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	963972	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	369941	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	256592	43.963	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	87.920%		
35) Dibromofluoromethane	8.016	113	246395	47.980	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.960%		
50) Toluene-d8	10.439	98	1122210	53.419	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	106.840%		
62) 4-Bromofluorobenzene	12.727	95	401547	59.102	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	118.200%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	1377	0.267	ug/l #	80
11) Tert butyl alcohol	5.363	59	1223	1.291	ug/l #	72
16) Acetone	4.299	43	17377	6.967	ug/l #	83
20) Methylene Chloride	5.093	84	35141	6.684	ug/l #	85
25) 2-Butanone	7.334	43	6698	1.863	ug/l	90
31) Cyclohexane	8.087	56	7336	0.924	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	31635	4.411	ug/l #	49
37) Ethyl Acetate	7.334	43	6698	0.853	ug/l #	67
38) Carbon Tetrachloride	8.087	117	43793	6.231	ug/l #	17
43) Isopropyl Acetate	8.569	43	82226	6.298	ug/l #	76
45) 1,2-Dichloropropane	9.616	63	3413	0.603	ug/l #	44
48) Methyl methacrylate	9.545	41	10663	1.969	ug/l #	10
49) 1,4-Dioxane	9.616	88	232	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.328	43	6628	0.883	ug/l	98
54) cis-1,3-Dichloropropene	10.239	75	74310	8.484	ug/l #	54
57) 1,3-Dichloropropane	11.086	76	47994	4.871	ug/l #	42
59) 2-Hexanone	11.086	43	488295	92.395	ug/l #	51
76) 1,2,3-Trichloropropane	12.727	75	184123	21.485	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	184123	66.580	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.251	180	58	2.095	ug/l #	78
95) Naphthalene	15.504	128	1132	3.865	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.692	180	59	2.424	ug/l #	12

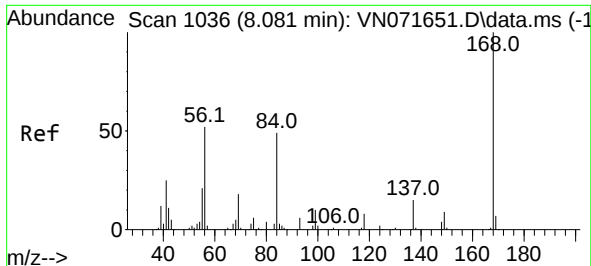
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Mar 31 01:57:54 2022
Response via : Initial Calibration

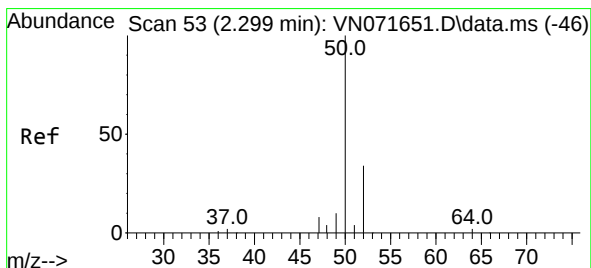
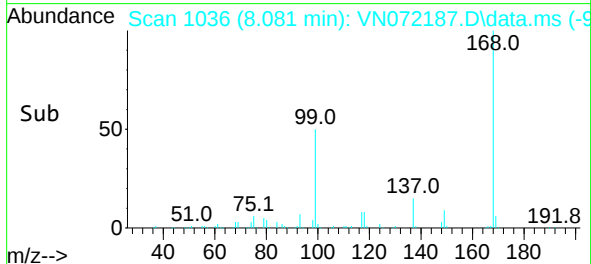
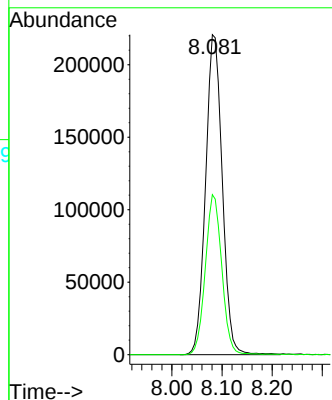
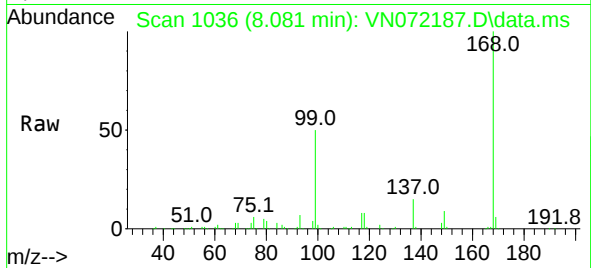




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN072187.D
Acq: 25 Apr 2022 18:16

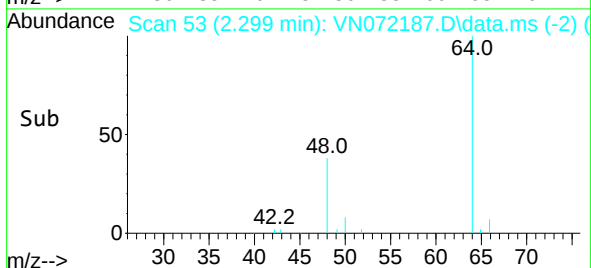
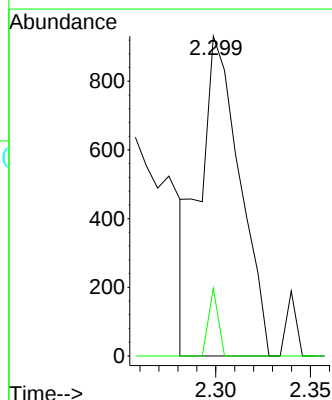
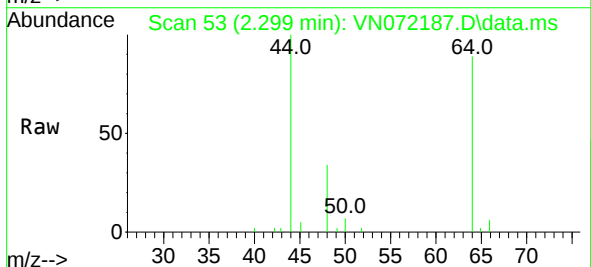
Instrument :
MSVOA_N
ClientSampleId :
MH-8D

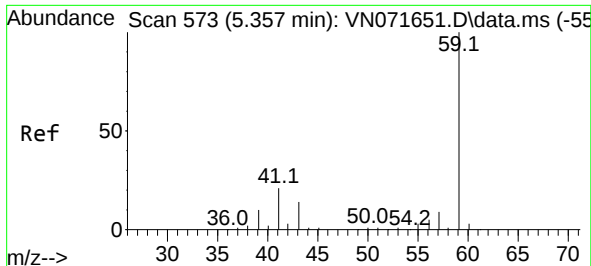
Tgt Ion:168 Resp: 511249
Ion Ratio Lower Upper
168 100
99 50.0 42.3 63.5



#3
Chloromethane
Concen: 0.267 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN072187.D
Acq: 25 Apr 2022 18:16

Tgt Ion: 50 Resp: 1377
Ion Ratio Lower Upper
50 100
52 21.1 25.7 38.5

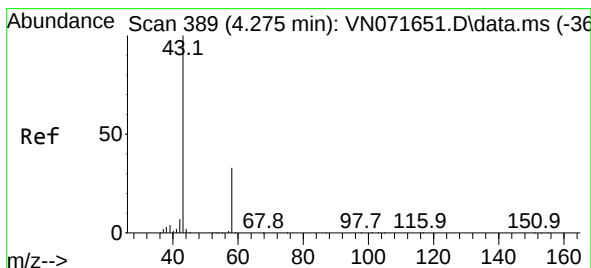
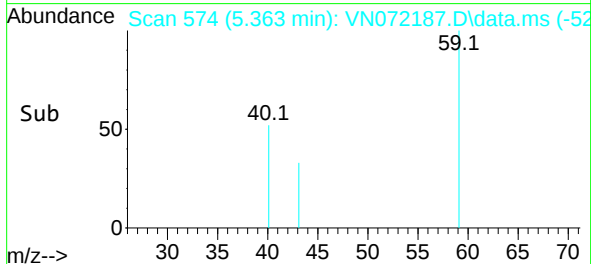
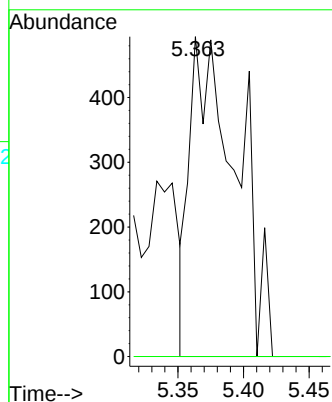
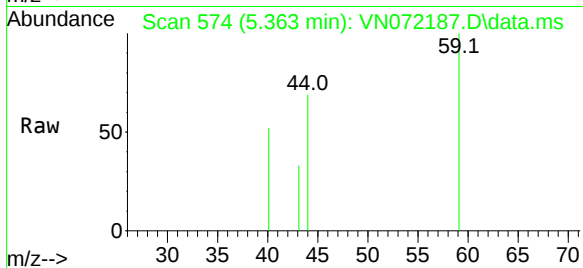




#11
Tert butyl alcohol
Concen: 1.291 ug/l
RT: 5.363 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN072187.D
Acq: 25 Apr 2022 18:16

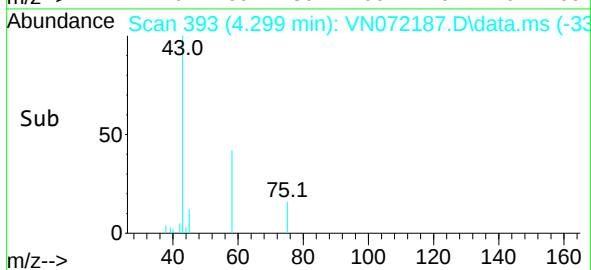
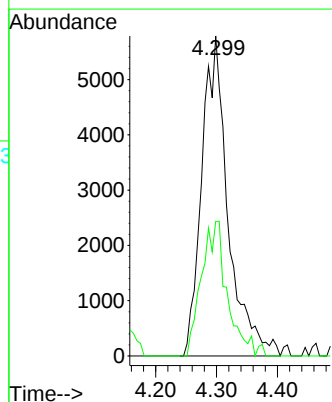
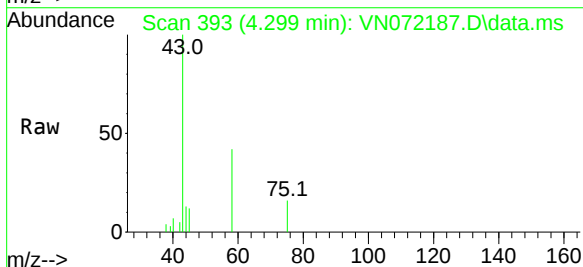
Instrument :
MSVOA_N
ClientSampleId :
MH-8D

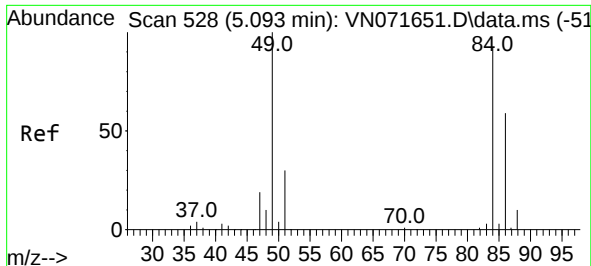
Tgt Ion: 59 Resp: 1223
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 6.967 ug/l
RT: 4.299 min Scan# 393
Delta R.T. 0.024 min
Lab File: VN072187.D
Acq: 25 Apr 2022 18:16

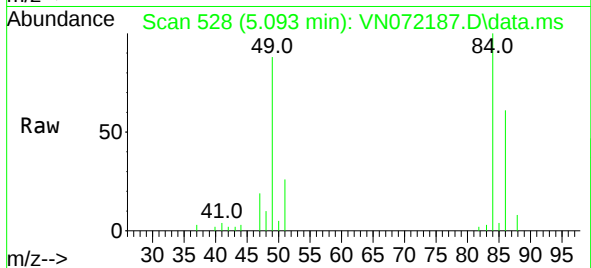
Tgt Ion: 43 Resp: 17377
Ion Ratio Lower Upper
43 100
58 42.1 26.0 39.0#



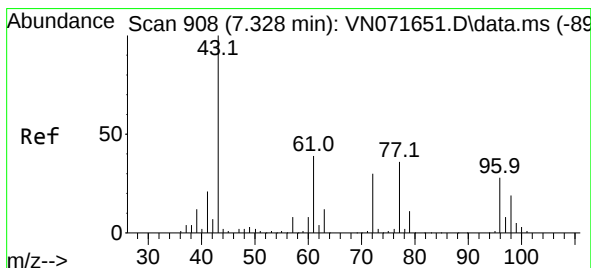
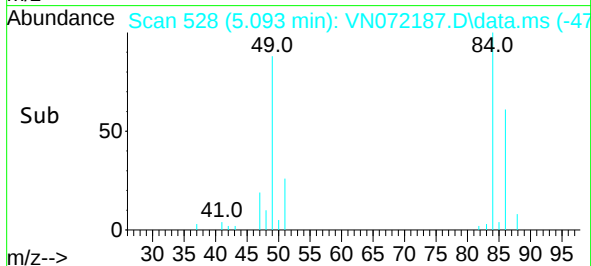
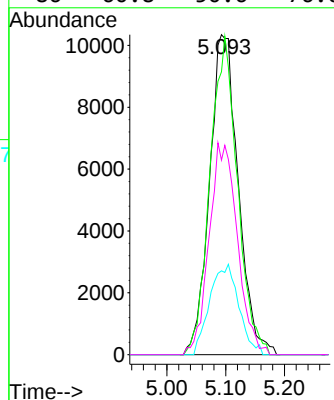


#20
Methylene Chloride
Concen: 6.684 ug/l
RT: 5.093 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN072187.D
Acq: 25 Apr 2022 18:16

Instrument :
MSVOA_N
ClientSampleId :
MH-8D

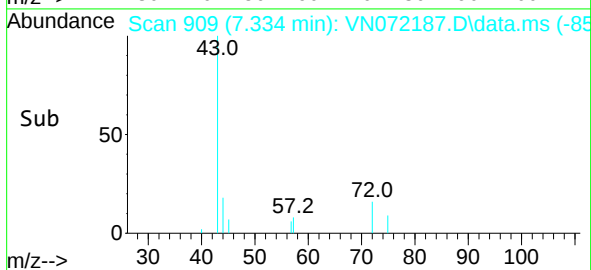
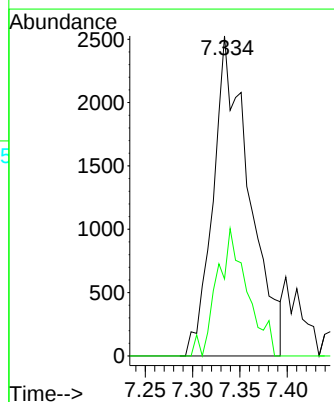
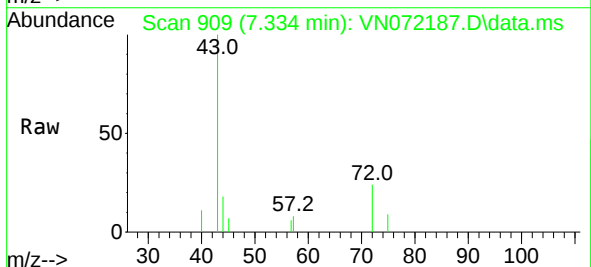


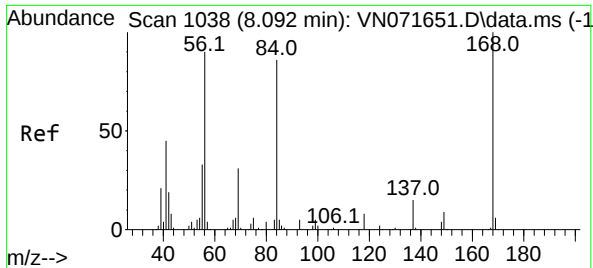
Tgt Ion: 84	Resp: 35141
Ion Ratio	Lower Upper
84 100	
49 88.4	88.3 132.5
51 26.2	28.2 42.2#
86 60.8	50.6 76.0



#25
2-Butanone
Concen: 1.863 ug/l
RT: 7.334 min Scan# 909
Delta R.T. 0.006 min
Lab File: VN072187.D
Acq: 25 Apr 2022 18:16

Tgt Ion: 43	Resp: 6698		
Ion Ratio	Lower	Upper	
43 100			
72 24.0	23.7	35.5	

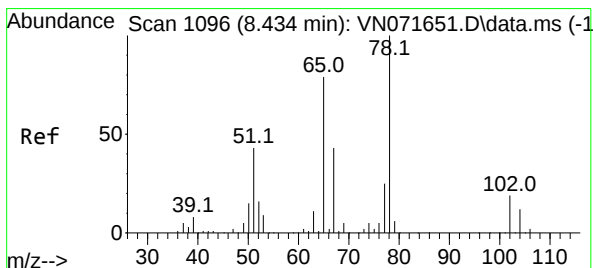
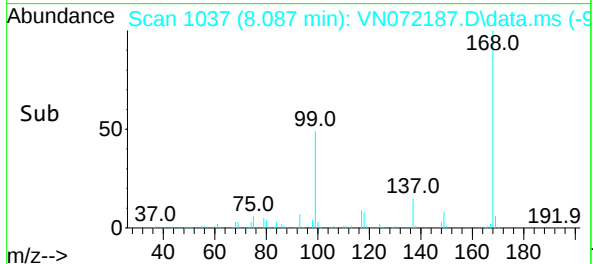
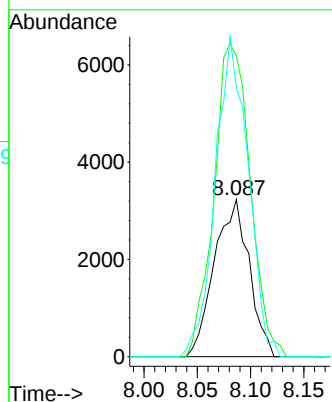
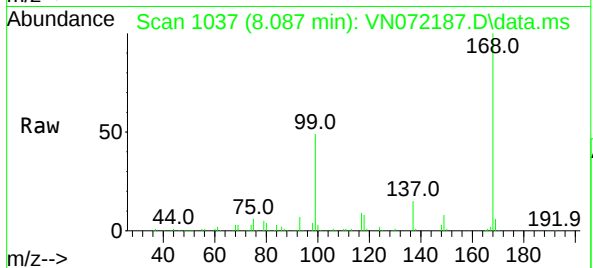




#31
Cyclohexane
Concen: 0.924 ug/l
RT: 8.087 min Scan# 1037
Delta R.T. -0.005 min
Lab File: VN072187.D
Acq: 25 Apr 2022 18:16

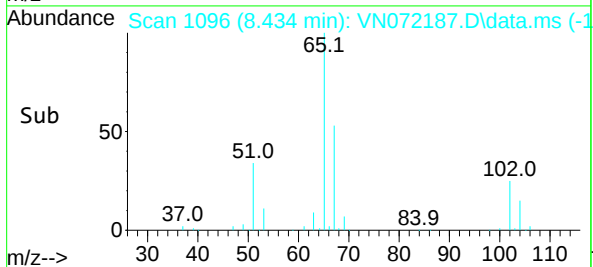
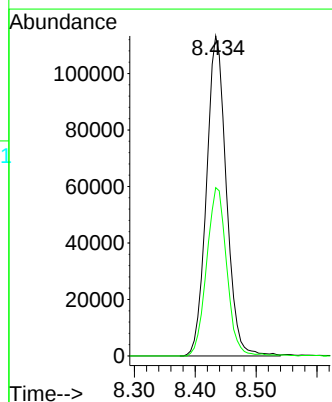
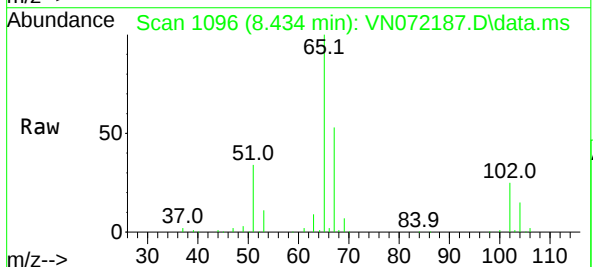
Instrument :
MSVOA_N
ClientSampleId :
MH-8D

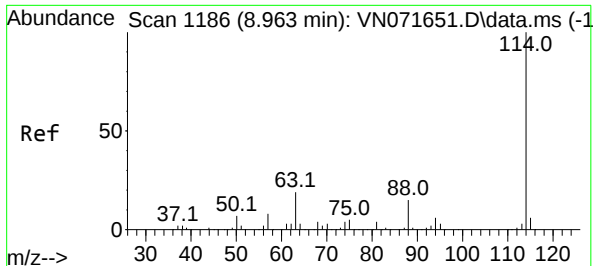
Tgt Ion: 56 Resp: 7336
Ion Ratio Lower Upper
56 100
69 191.4 27.8 41.8#
84 171.3 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 43.963 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN072187.D
Acq: 25 Apr 2022 18:16

Tgt Ion: 65 Resp: 256592
Ion Ratio Lower Upper
65 100
67 53.4 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN072187.D

Acq: 25 Apr 2022 18:16

Instrument :

MSVOA_N

ClientSampleId :

MH-8D

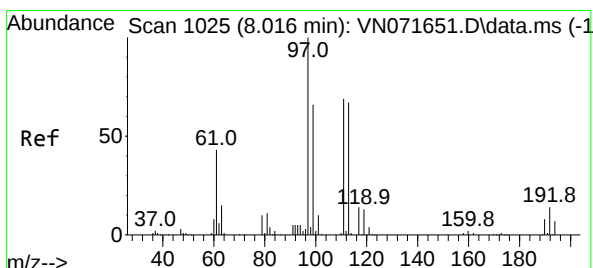
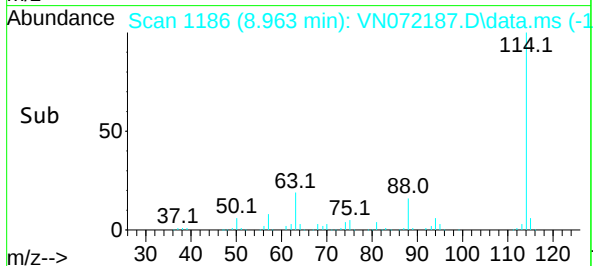
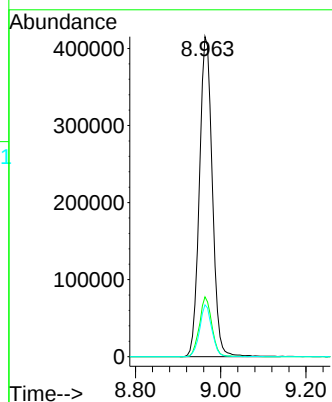
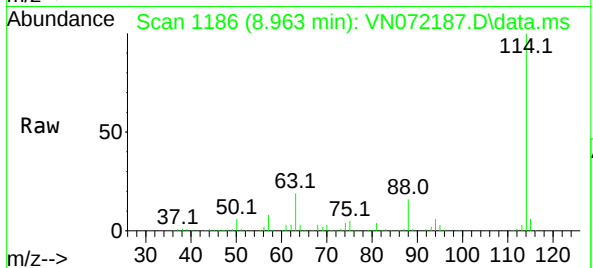
Tgt Ion:114 Resp: 872704

Ion Ratio Lower Upper

114 100

63 18.7 0.0 40.0

88 16.2 0.0 32.6



#35

Dibromofluoromethane

Concen: 47.980 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.000 min

Lab File: VN072187.D

Acq: 25 Apr 2022 18:16

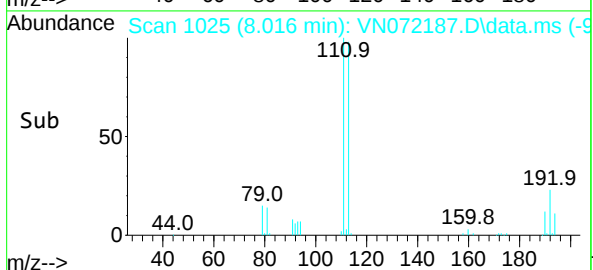
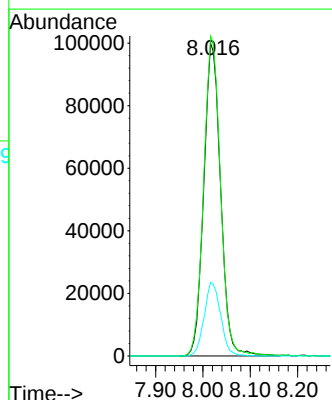
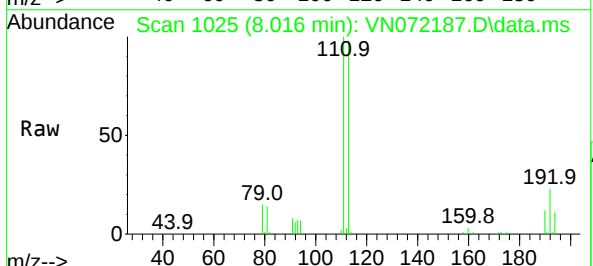
Tgt Ion:113 Resp: 246395

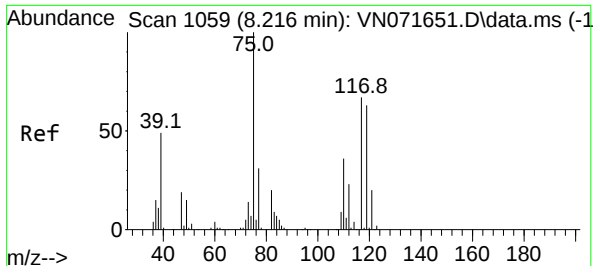
Ion Ratio Lower Upper

113 100

111 102.3 81.4 122.0

192 23.0 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.411 ug/l

RT: 8.081 min Scan# 1

Delta R.T. -0.135 min

Lab File: VN072187.D

Acq: 25 Apr 2022 18:16

Instrument :

MSVOA_N

ClientSampleId :

MH-8D

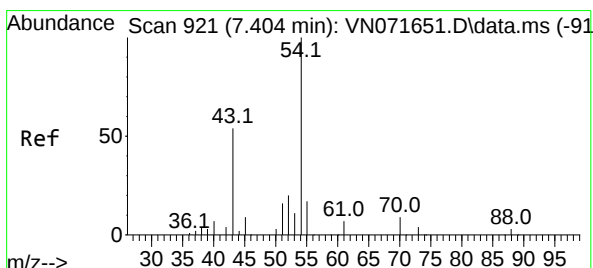
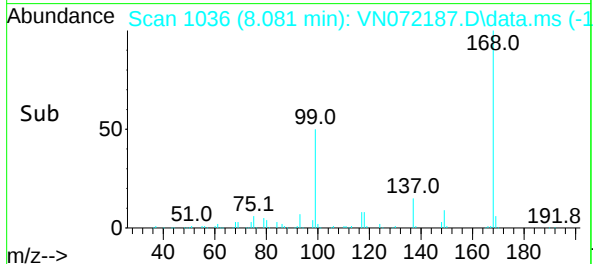
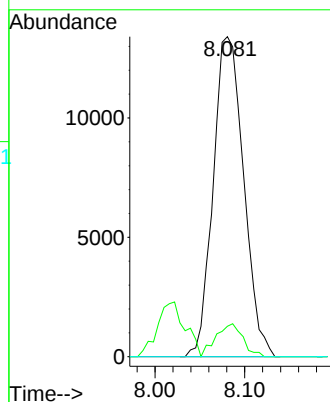
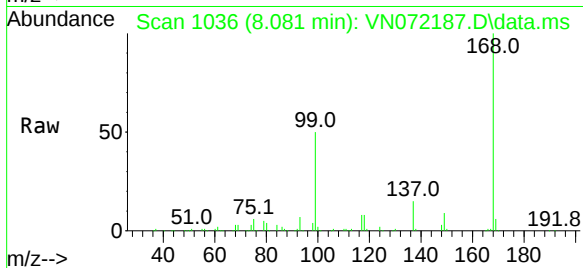
Tgt Ion: 75 Resp: 31635

Ion Ratio Lower Upper

75 100

110 9.1 18.3 54.8#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 0.853 ug/l

RT: 7.334 min Scan# 909

Delta R.T. -0.070 min

Lab File: VN072187.D

Acq: 25 Apr 2022 18:16

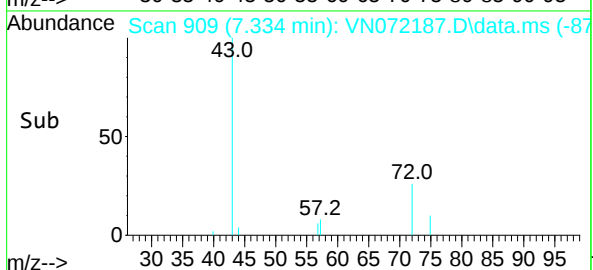
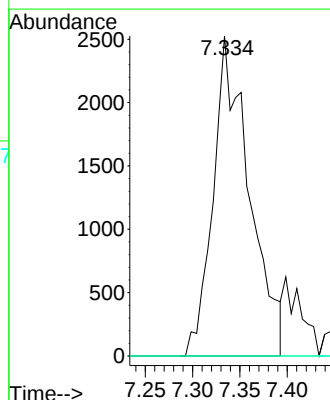
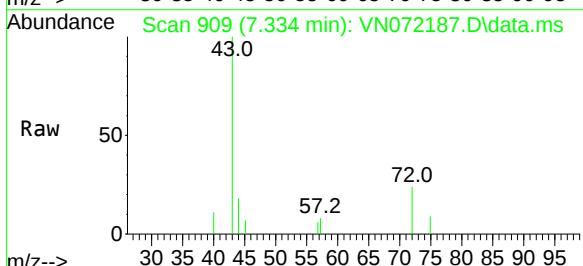
Tgt Ion: 43 Resp: 6698

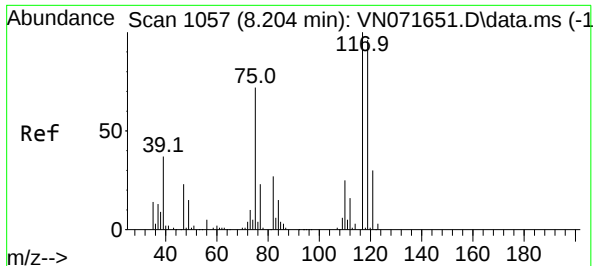
Ion Ratio Lower Upper

43 100

61 0.0 11.8 17.6#

70 0.0 9.3 13.9#

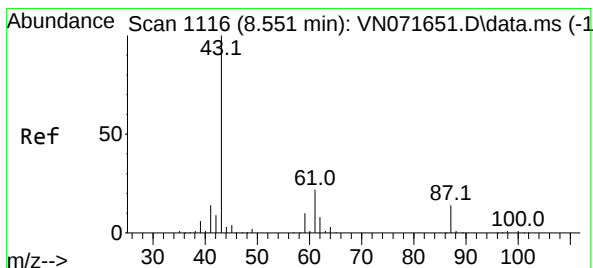
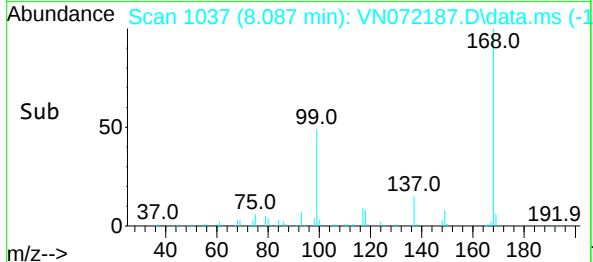
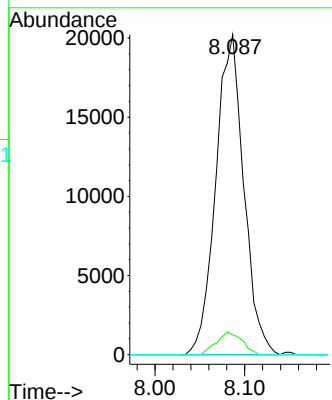
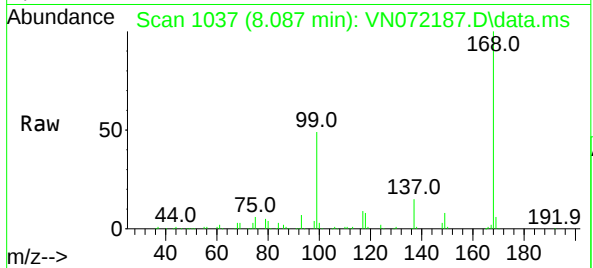




#38
Carbon Tetrachloride
Concen: 6.231 ug/l
RT: 8.087 min Scan# 1119
Delta R.T. -0.117 min
Lab File: VN072187.D
Acq: 25 Apr 2022 18:16

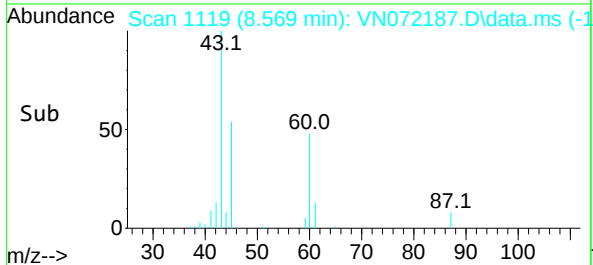
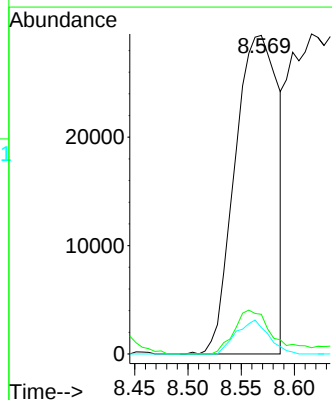
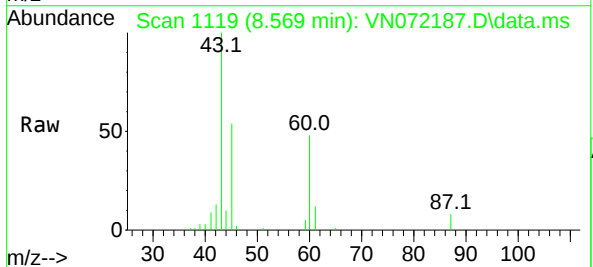
Instrument :
MSVOA_N
ClientSampleId :
MH-8D

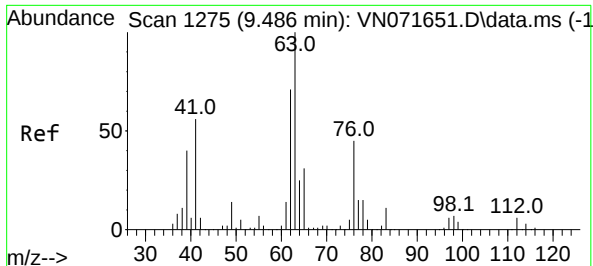
Tgt Ion:117 Resp: 43793
Ion Ratio Lower Upper
117 100
119 6.2 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 6.298 ug/l
RT: 8.569 min Scan# 1119
Delta R.T. 0.018 min
Lab File: VN072187.D
Acq: 25 Apr 2022 18:16

Tgt Ion: 43 Resp: 82226
Ion Ratio Lower Upper
43 100
61 12.5 21.9 32.9#
87 8.0 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.603 ug/l

RT: 9.616 min Scan# 1

Delta R.T. 0.130 min

Lab File: VN072187.D

Acq: 25 Apr 2022 18:16

Instrument :

MSVOA_N

ClientSampleId :

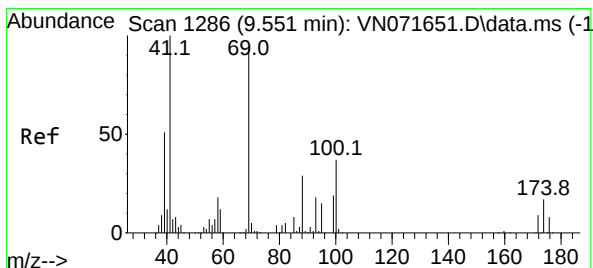
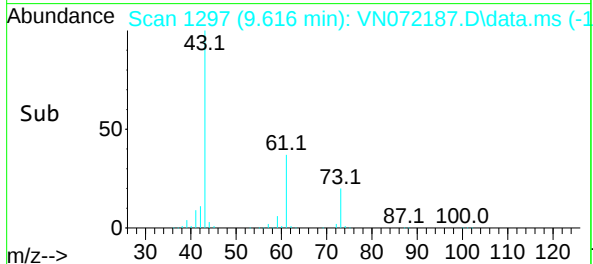
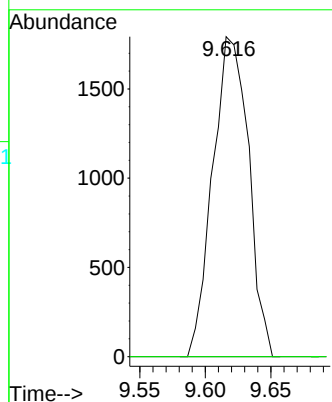
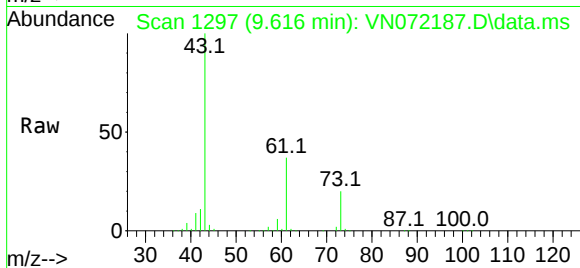
MH-8D

Tgt Ion: 63 Resp: 3413

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#



#48

Methyl methacrylate

Concen: 1.969 ug/l

RT: 9.545 min Scan# 1285

Delta R.T. -0.006 min

Lab File: VN072187.D

Acq: 25 Apr 2022 18:16

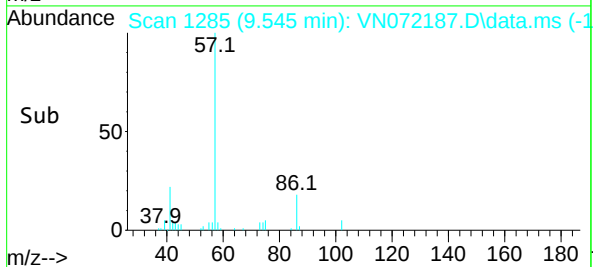
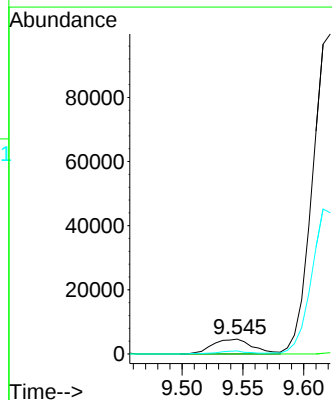
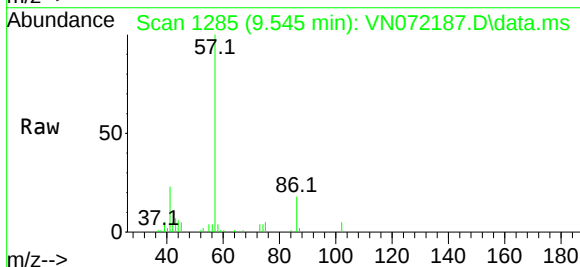
Tgt Ion: 41 Resp: 10663

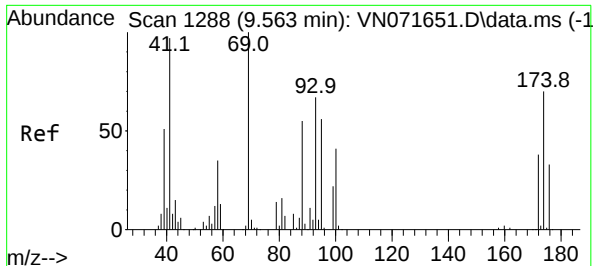
Ion Ratio Lower Upper

41 100

69 0.0 74.7 112.1#

39 0.0 45.6 68.4#





#49

1,4-Dioxane

Concen: Below Cal

RT: 9.616 min Scan# 1288

Delta R.T. 0.053 min

Lab File: VN072187.D

Acq: 25 Apr 2022 18:16

Instrument :

MSVOA_N

ClientSampleId :

MH-8D

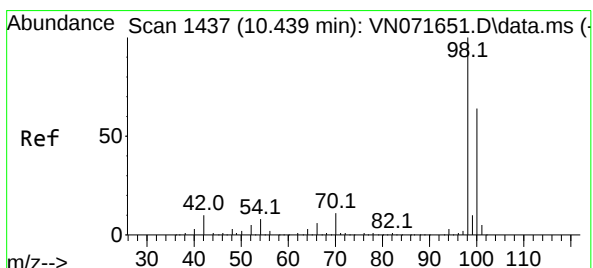
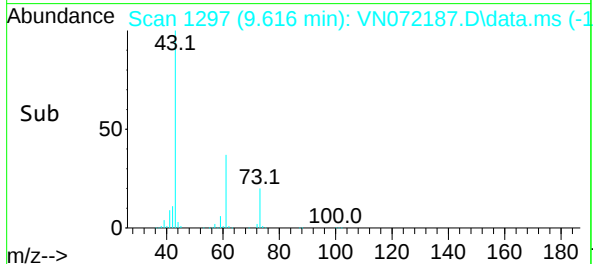
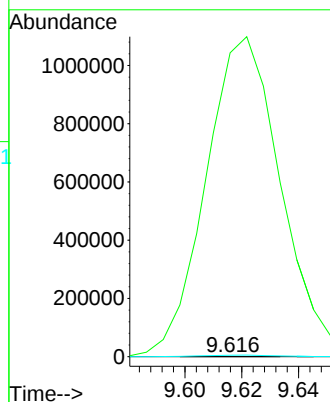
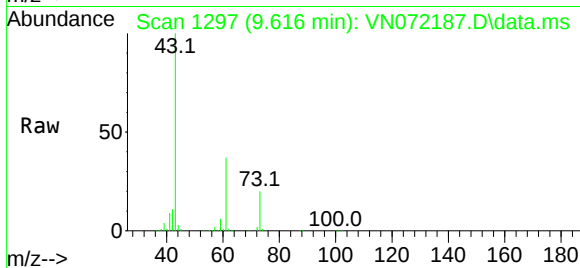
Tgt Ion: 88 Resp: 232

Ion Ratio Lower Upper

88 100

43 889746.1 20.2 30.4#

58 4768.5 54.2 81.4#



#50

Toluene-d8

Concen: 53.419 ug/l

RT: 10.439 min Scan# 1437

Delta R.T. 0.000 min

Lab File: VN072187.D

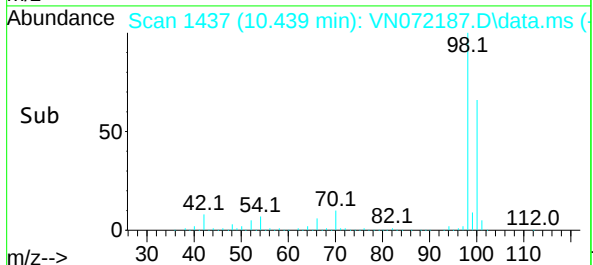
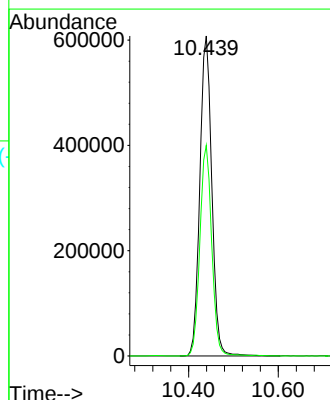
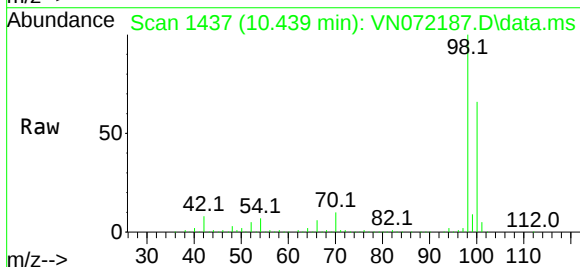
Acq: 25 Apr 2022 18:16

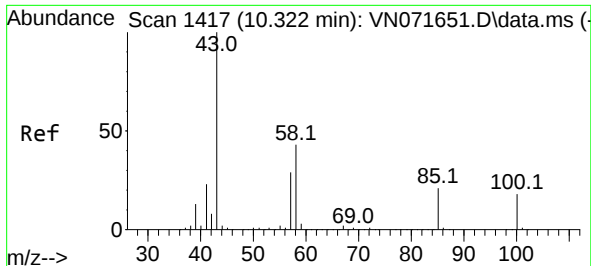
Tgt Ion: 98 Resp: 1122210

Ion Ratio Lower Upper

98 100

100 65.3 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 0.883 ug/l

RT: 10.328 min Scan# 1417

Delta R.T. 0.006 min

Lab File: VN072187.D

Acq: 25 Apr 2022 18:16

Instrument :

MSVOA_N

ClientSampleId :

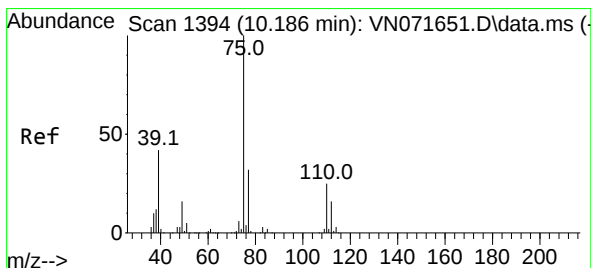
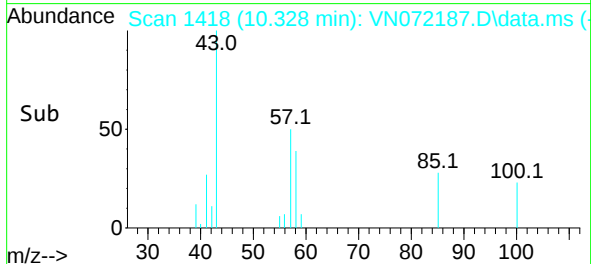
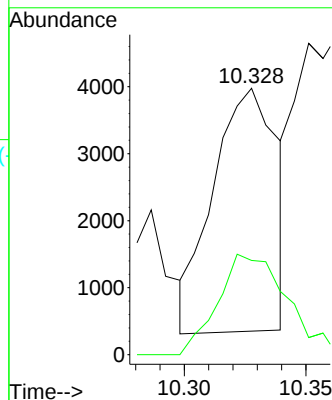
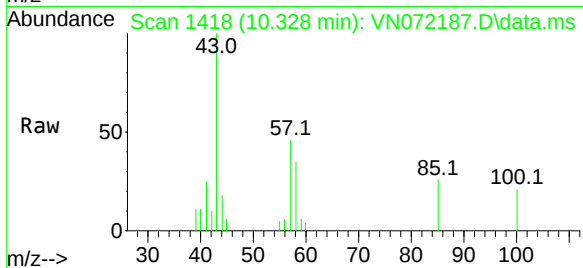
MH-8D

Tgt Ion: 43 Resp: 6628

Ion Ratio Lower Upper

43 100

58 44.2 34.1 51.1



#54

cis-1,3-Dichloropropene

Concen: 8.484 ug/l

RT: 10.239 min Scan# 1403

Delta R.T. 0.053 min

Lab File: VN072187.D

Acq: 25 Apr 2022 18:16

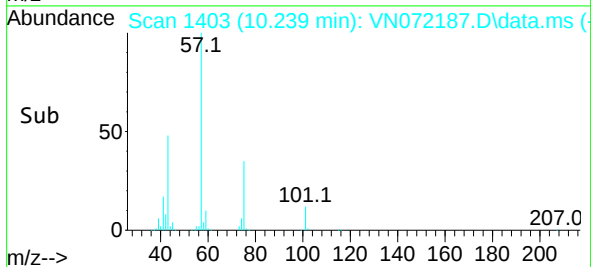
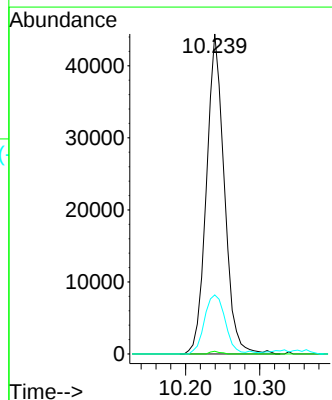
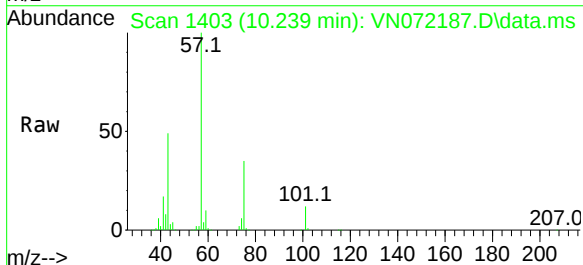
Tgt Ion: 75 Resp: 74310

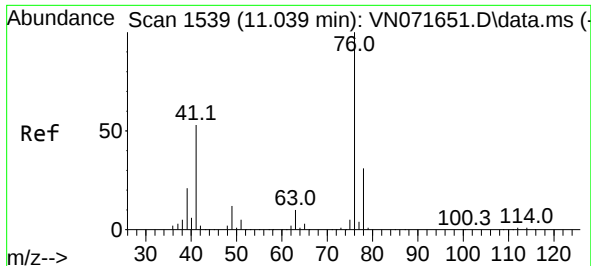
Ion Ratio Lower Upper

75 100

77 0.8 25.2 37.8#

39 18.5 35.7 53.5#





#57

1,3-Dichloropropane

Concen: 4.871 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.047 min

Lab File: VN072187.D

Acq: 25 Apr 2022 18:16

Instrument :

MSVOA_N

ClientSampleId :

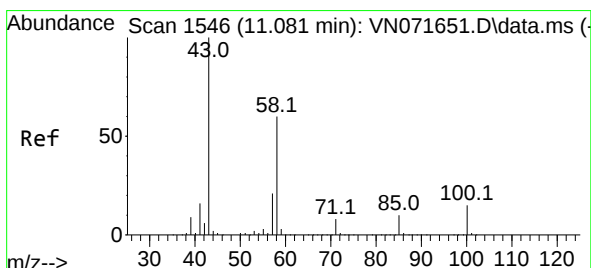
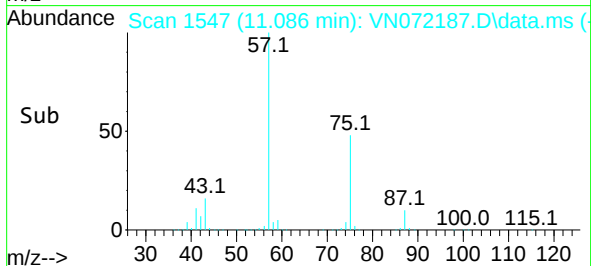
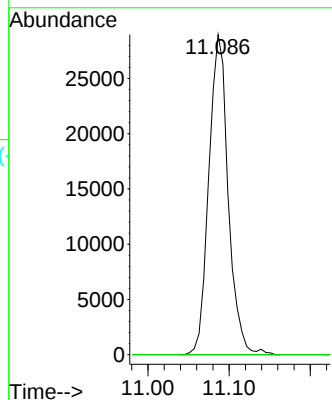
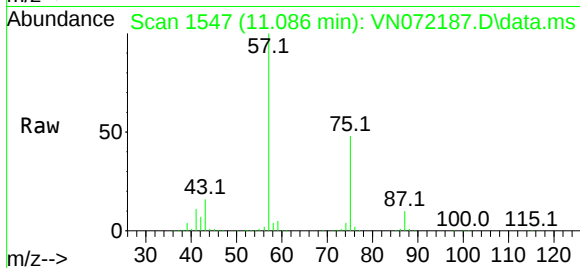
MH-8D

Tgt Ion: 76 Resp: 47994

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



#59

2-Hexanone

Concen: 92.395 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.005 min

Lab File: VN072187.D

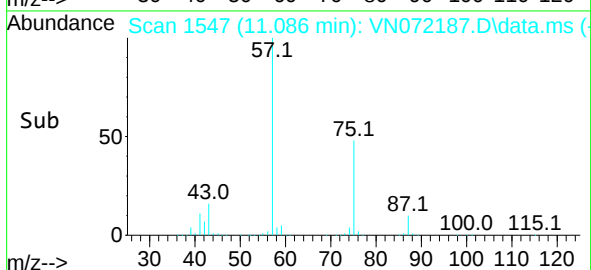
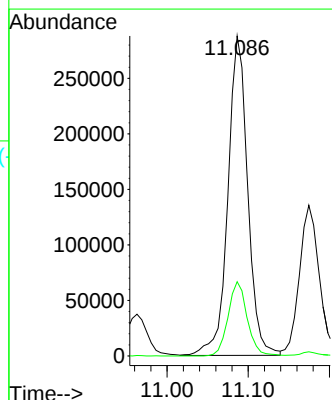
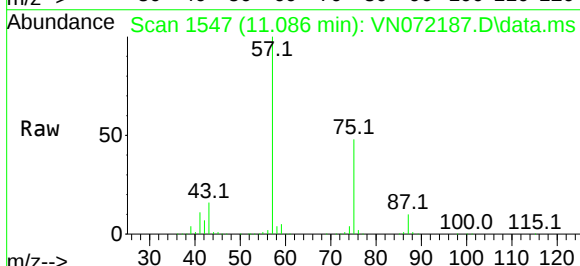
Acq: 25 Apr 2022 18:16

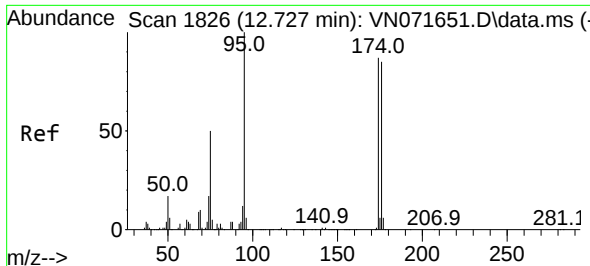
Tgt Ion: 43 Resp: 488295

Ion Ratio Lower Upper

43 100

58 22.5 29.7 89.1#

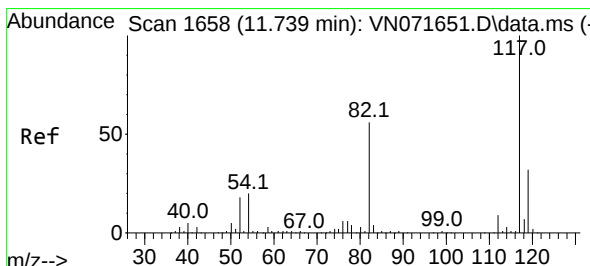
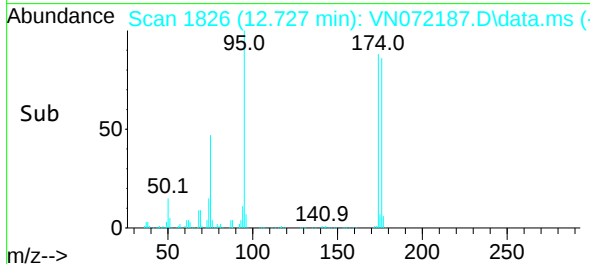
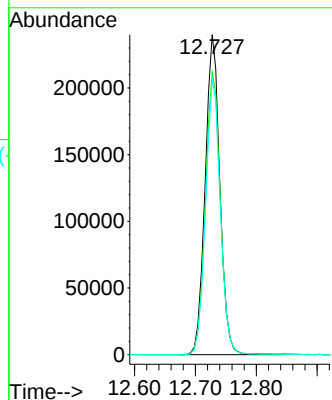
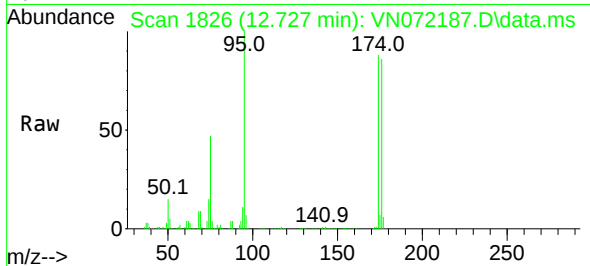




#62
4-Bromofluorobenzene
Concen: 59.102 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072187.D
Acq: 25 Apr 2022 18:16

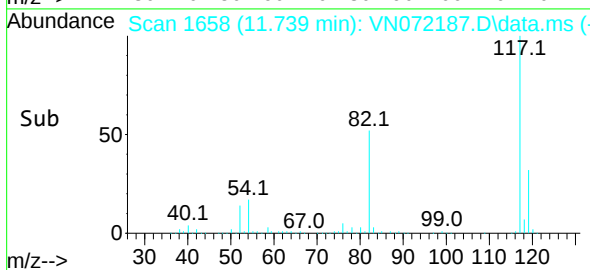
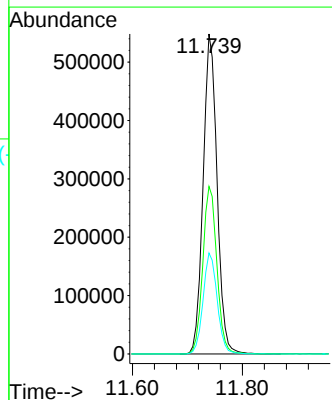
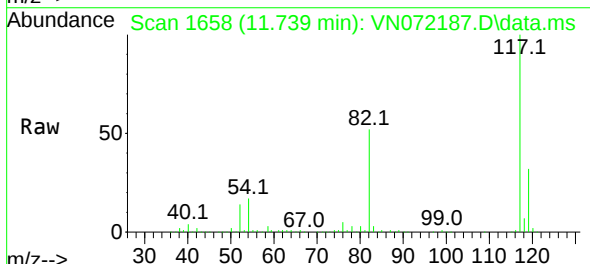
Instrument :
MSVOA_N
ClientSampleId :
MH-8D

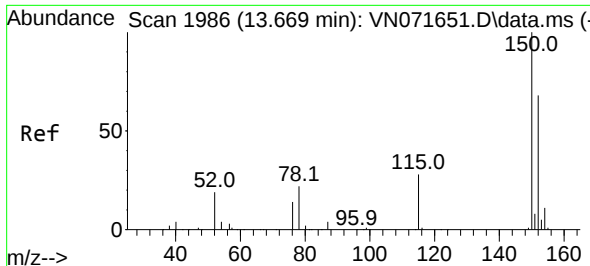
Tgt Ion: 95 Resp: 401547
Ion Ratio Lower Upper
95 100
174 90.5 0.0 167.6
176 86.1 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072187.D
Acq: 25 Apr 2022 18:16

Tgt Ion: 117 Resp: 963972
Ion Ratio Lower Upper
117 100
82 52.4 44.2 66.2
119 31.6 25.4 38.0

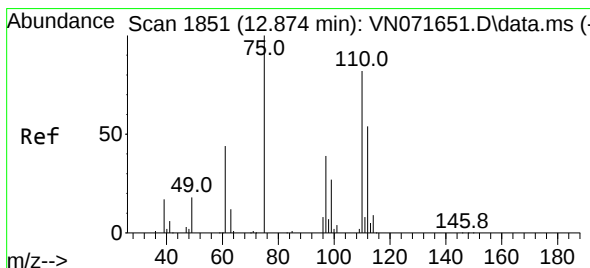
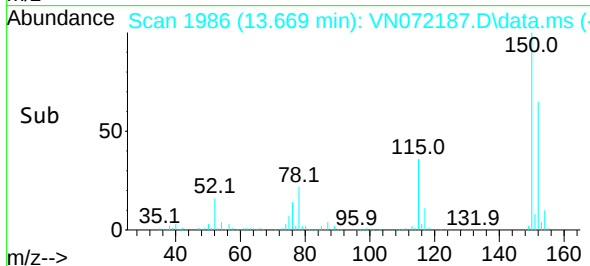
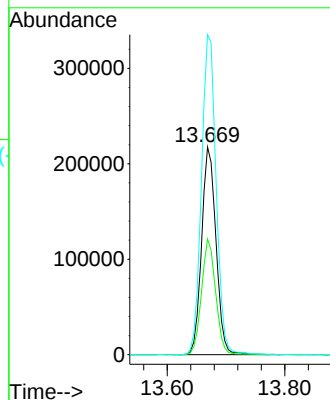
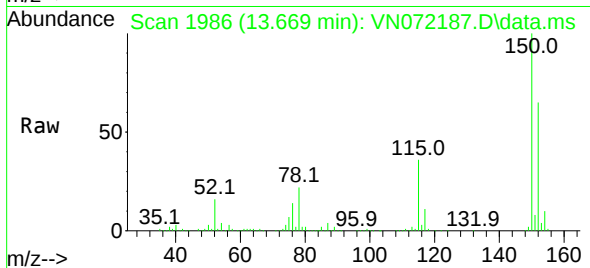




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN072187.D
Acq: 25 Apr 2022 18:16

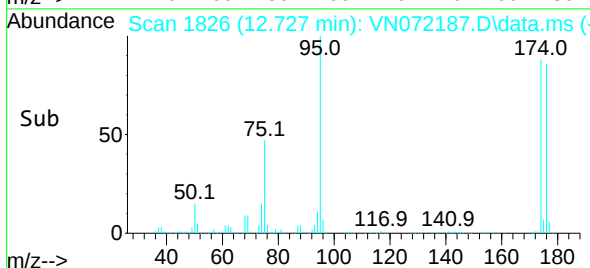
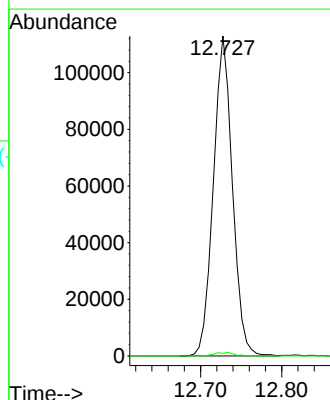
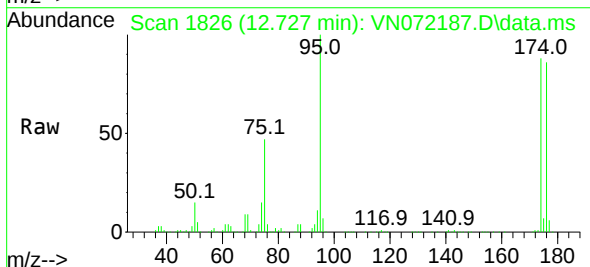
Instrument :
MSVOA_N
ClientSampleId :
MH-8D

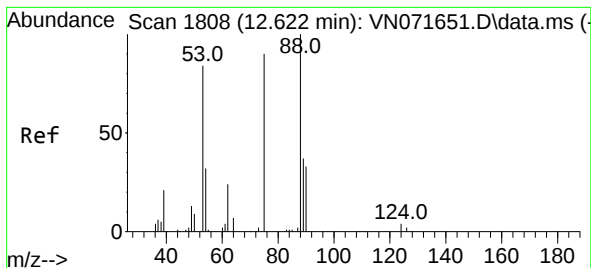
Tgt Ion:152 Resp: 369941
Ion Ratio Lower Upper
152 100
115 54.6 28.9 86.7
150 157.0 0.0 356.2



#76
1,2,3-Trichloropropane
Concen: 21.485 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072187.D
Acq: 25 Apr 2022 18:16

Tgt Ion: 75 Resp: 184123
Ion Ratio Lower Upper
75 100
77 1.1 98.5 295.5#

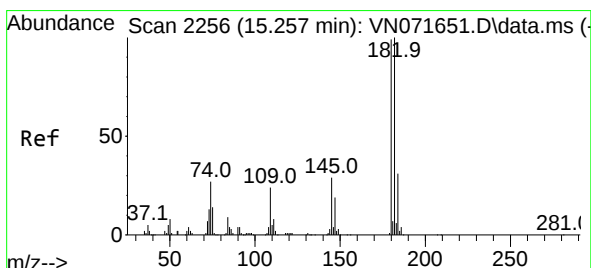
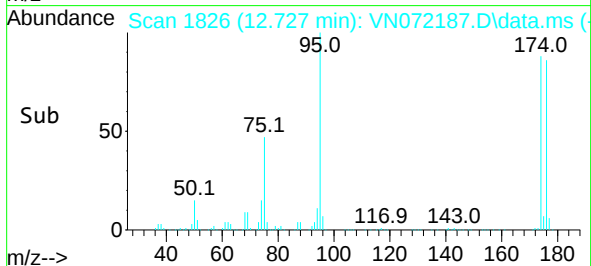
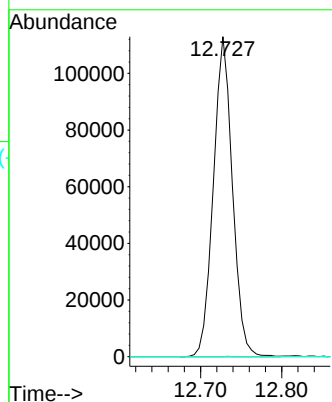
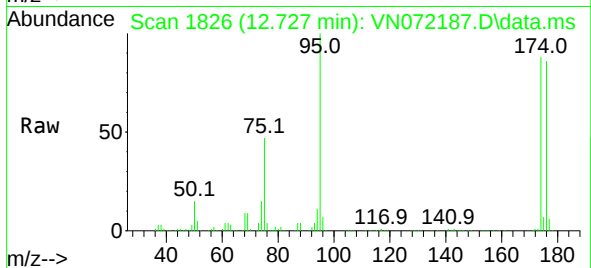




#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.580 ug/l
 RT: 12.727 min Scan# 1826
 Delta R.T. 0.105 min
 Lab File: VN072187.D
 Acq: 25 Apr 2022 18:16

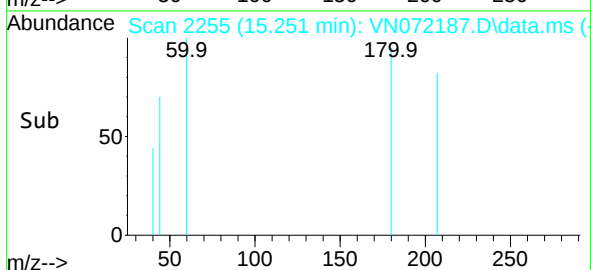
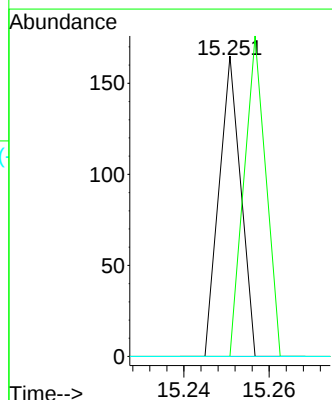
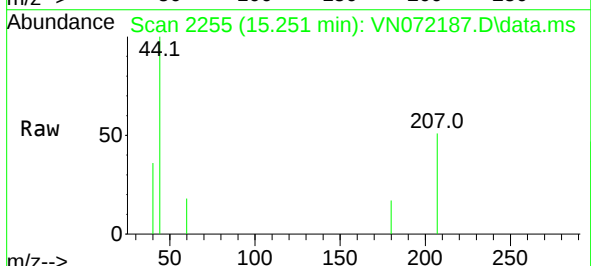
Instrument :
 MSVOA_N
 ClientSampleId :
 MH-8D

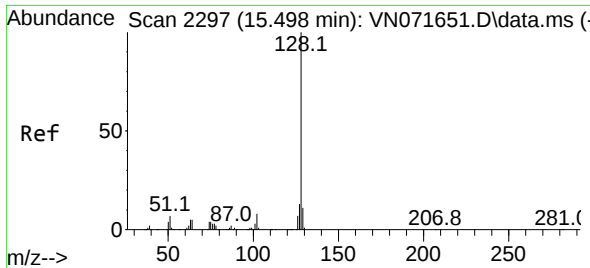
Tgt Ion: 75 Resp: 184123
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 37.2 55.8#



#93
 1,2,4-Trichlorobenzene
 Concen: 2.095 ug/l
 RT: 15.251 min Scan# 2255
 Delta R.T. -0.006 min
 Lab File: VN072187.D
 Acq: 25 Apr 2022 18:16

Tgt Ion:180 Resp: 58
 Ion Ratio Lower Upper
 180 100
 182 106.9 47.5 142.5
 145 0.0 14.5 43.5#

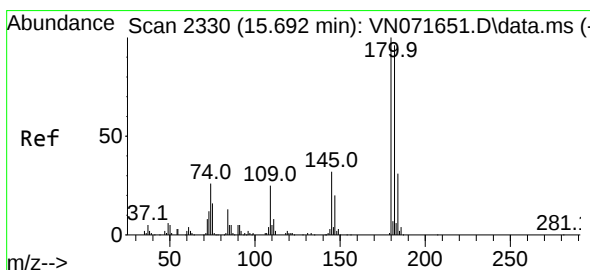
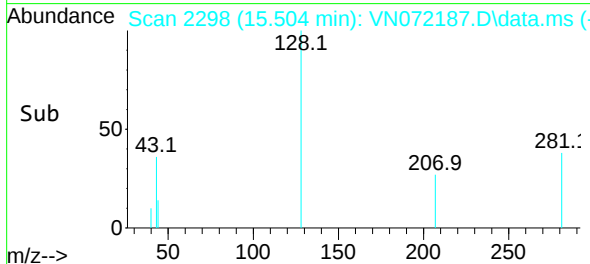
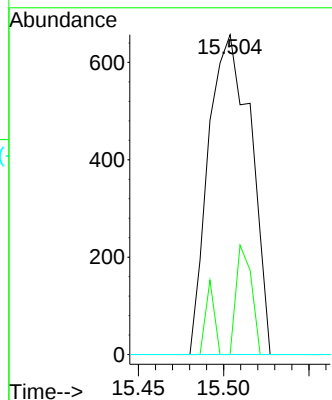
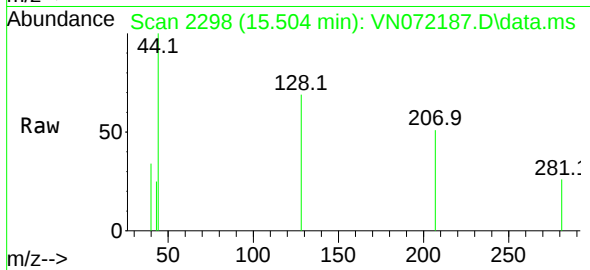




#95
Naphthalene
Concen: 3.865 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VN072187.D
Acq: 25 Apr 2022 18:16

Instrument :
MSVOA_N
ClientSampleId :
MH-8D

Tgt Ion:128 Resp: 1132
Ion Ratio Lower Upper
128 100
127 12.4 10.3 15.5
129 0.0 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 2.424 ug/l
RT: 15.692 min Scan# 2330
Delta R.T. -0.000 min
Lab File: VN072187.D
Acq: 25 Apr 2022 18:16

Tgt Ion:180 Resp: 59
Ion Ratio Lower Upper
180 100
182 0.0 47.8 143.3#
145 0.0 15.5 46.5#

