

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042522\
 Data File : VN072186.D
 Acq On : 25 Apr 2022 17:52
 Operator : JC\MD
 Sample : N2548-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MH-8S

Quant Time: Apr 26 05:40:45 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)

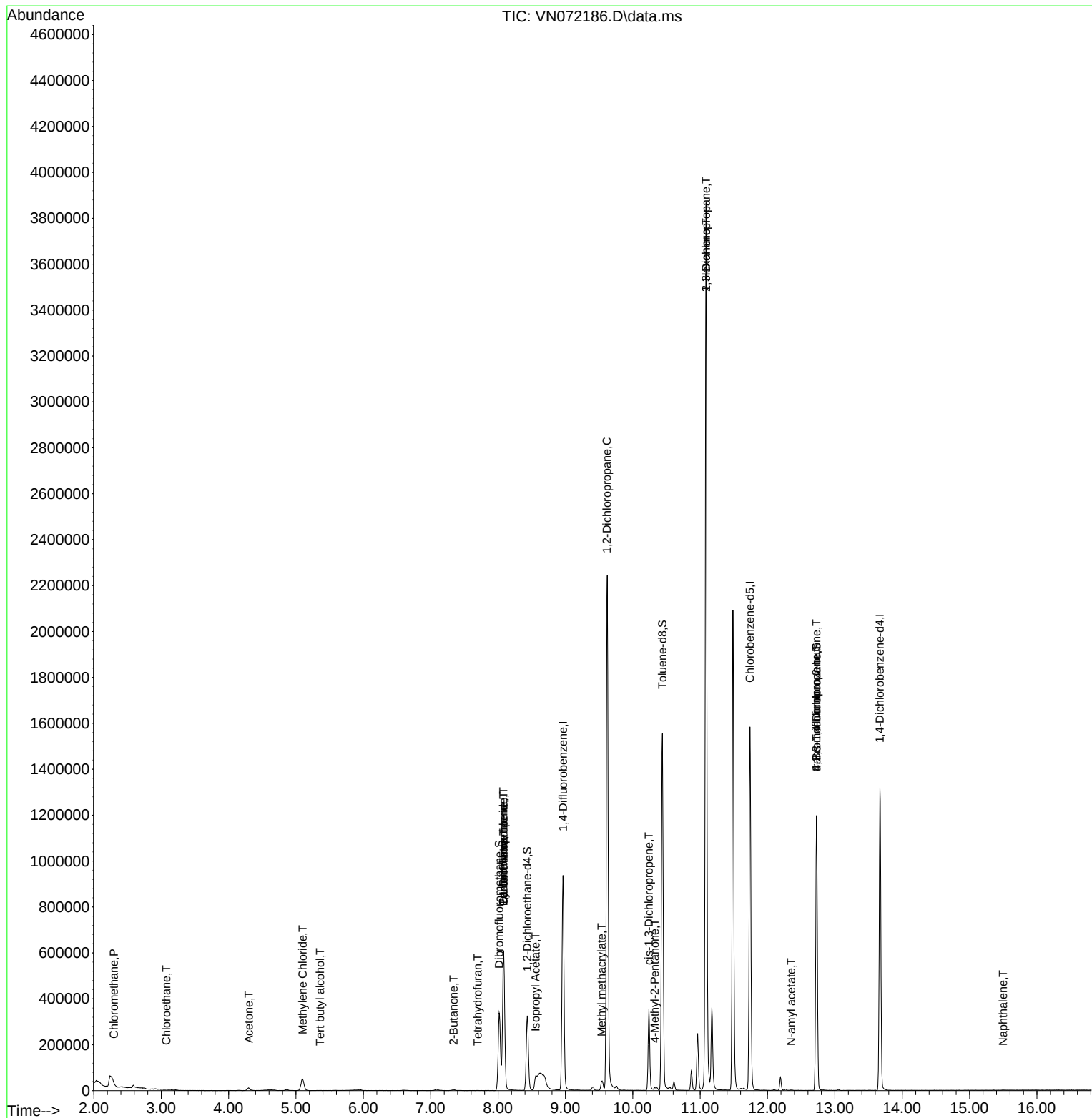
Internal Standards						
1) Pentafluorobenzene	8.081	168	516747	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	903348	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1023795	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	406431	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	265980	45.087	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	90.180%		
35) Dibromofluoromethane	8.016	113	255985	48.157	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.320%		
50) Toluene-d8	10.439	98	1165435	53.595	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	107.180%		
62) 4-Bromofluorobenzene	12.727	95	427846	60.836	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	121.680%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	1766	0.339	ug/l	89
6) Chloroethane	3.075	64	1217	0.296	ug/l #	81
11) Tert butyl alcohol	5.357	59	484	0.506	ug/l #	72
16) Acetone	4.298	43	19008	7.539	ug/l	92
18) Methyl Acetate	4.857	43	8520	Below Cal		96
20) Methylene Chloride	5.098	84	44675	8.407	ug/l	91
25) 2-Butanone	7.339	43	6936	1.908	ug/l #	83
29) Tetrahydrofuran	7.698	42	545	0.232	ug/l #	38
31) Cyclohexane	8.081	56	7347	0.916	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	31889	4.296	ug/l #	48
38) Carbon Tetrachloride	8.081	117	45230	6.217	ug/l #	19
43) Isopropyl Acetate	8.557	43	77983	5.770	ug/l #	77
45) 1,2-Dichloropropane	9.616	63	3454	0.590	ug/l #	44
48) Methyl methacrylate	9.539	41	9808	1.749	ug/l #	10
49) 1,4-Dioxane	9.622	88	197	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.327	43	5706	0.734	ug/l #	79
54) cis-1,3-Dichloropropene	10.239	75	74955	8.267	ug/l #	58
57) 1,3-Dichloropropane	11.086	76	46646	4.573	ug/l #	42
59) 2-Hexanone	11.086	43	499251	91.264	ug/l #	50
74) N-amyl acetate	12.351	43	2233	0.228	ug/l #	39
76) 1,2,3-Trichloropropane	12.727	75	193701	20.573	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	193701	63.755	ug/l #	10
95) Naphthalene	15.498	128	849	3.845	ug/l #	69

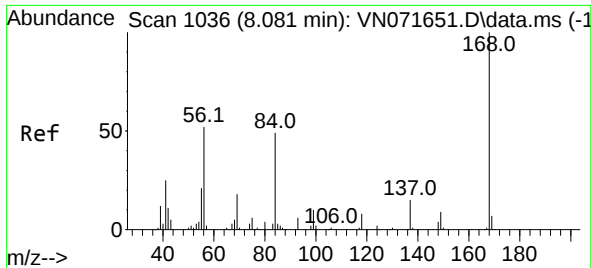
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042522\
Data File : VN072186.D
Acq On : 25 Apr 2022 17:52
Operator : JC\MD
Sample : N2548-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MH-8S

Quant Time: Apr 26 05:40:45 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

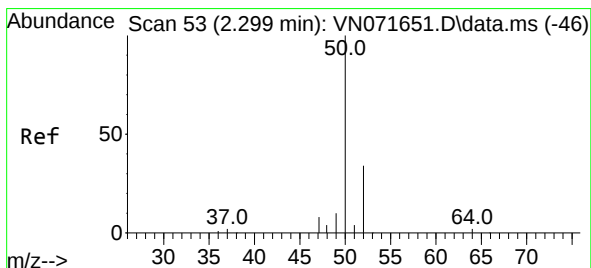
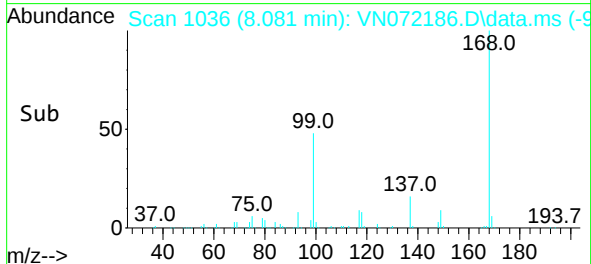
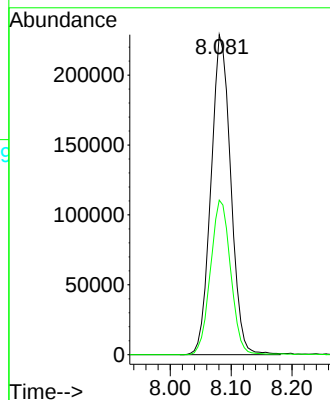
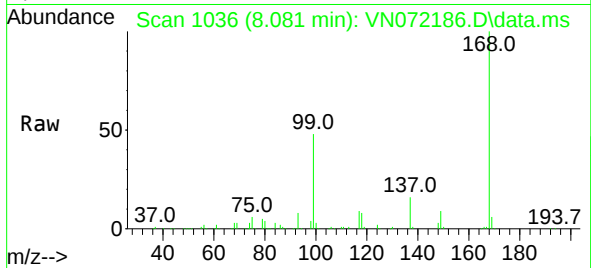




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN072186.D
Acq: 25 Apr 2022 17:52

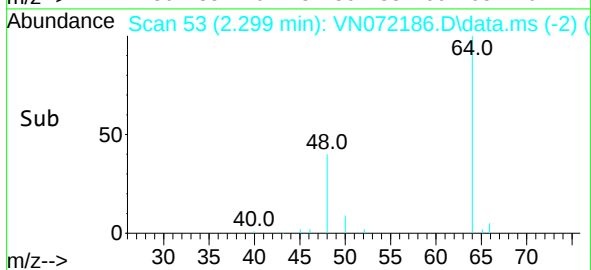
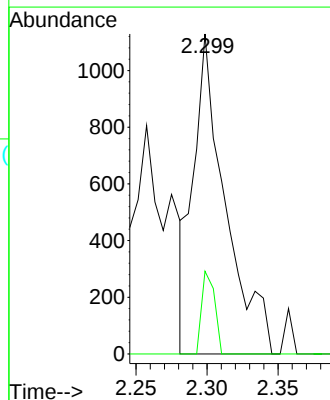
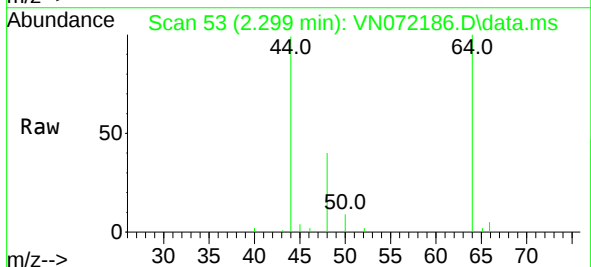
Instrument :
MSVOA_N
ClientSampleId :
MH-8S

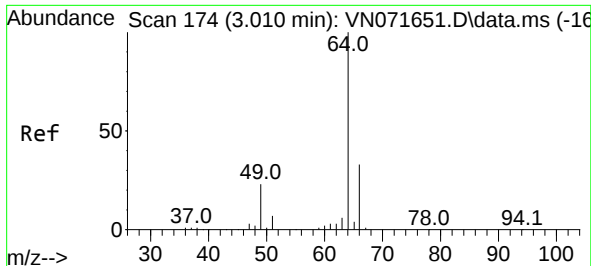
Tgt Ion:168 Resp: 516747
Ion Ratio Lower Upper
168 100
99 48.3 42.3 63.5



#3
Chloromethane
Concen: 0.339 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN072186.D
Acq: 25 Apr 2022 17:52

Tgt Ion: 50 Resp: 1766
Ion Ratio Lower Upper
50 100
52 25.9 25.7 38.5

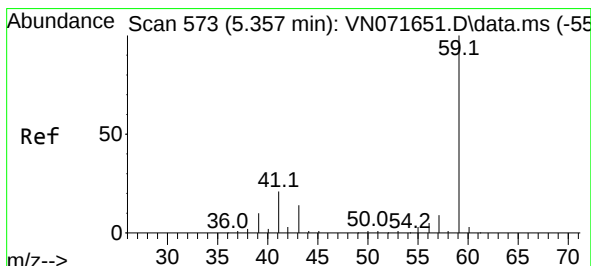
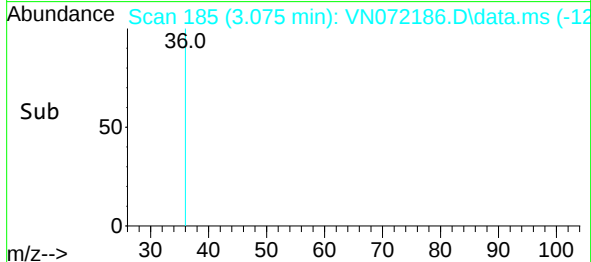
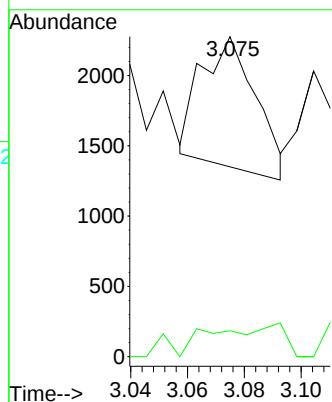
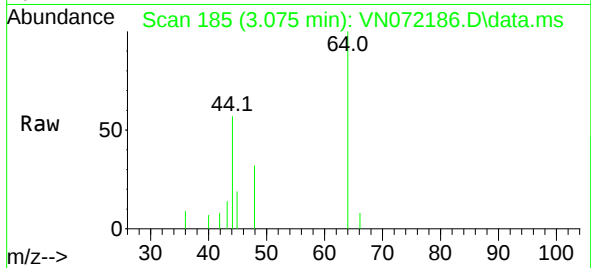




#6
Chloroethane
Concen: 0.296 ug/l
RT: 3.075 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN072186.D
Acq: 25 Apr 2022 17:52

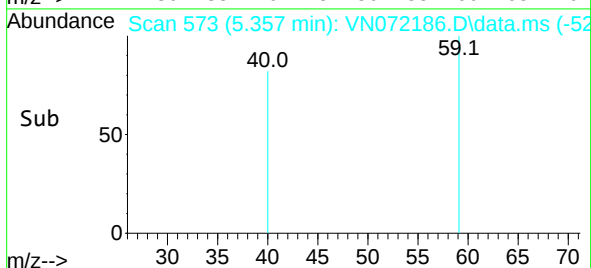
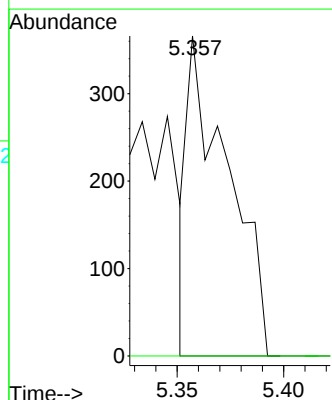
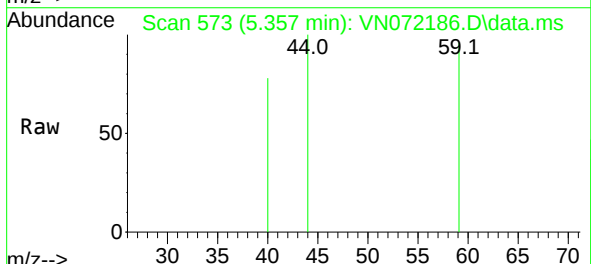
Instrument :
MSVOA_N
ClientSampleId :
MH-8S

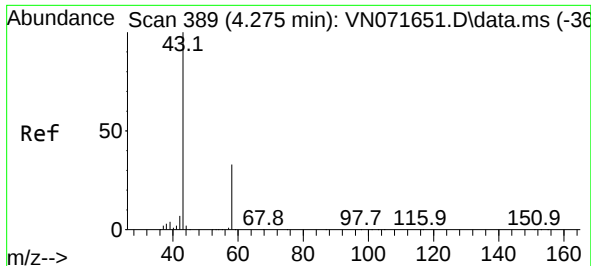
Tgt Ion: 64 Resp: 1217
Ion Ratio Lower Upper
64 100
66 22.2 26.2 39.4#



#11
Tert butyl alcohol
Concen: 0.506 ug/l
RT: 5.357 min Scan# 573
Delta R.T. 0.000 min
Lab File: VN072186.D
Acq: 25 Apr 2022 17:52

Tgt Ion: 59 Resp: 484
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

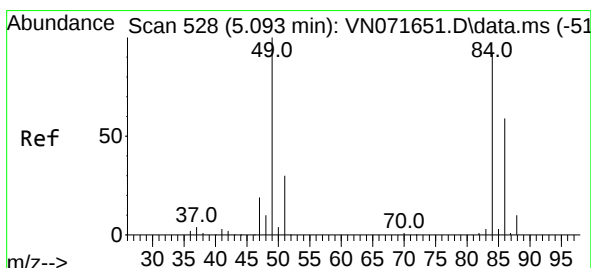
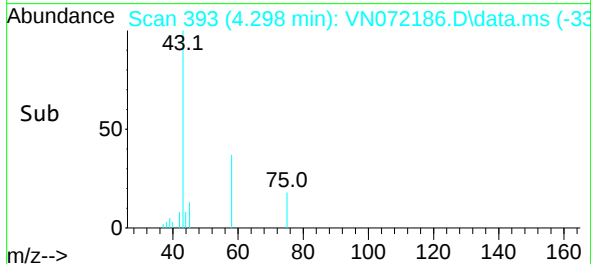
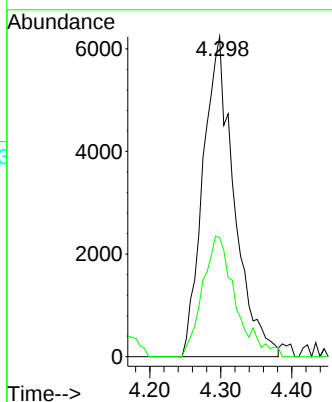
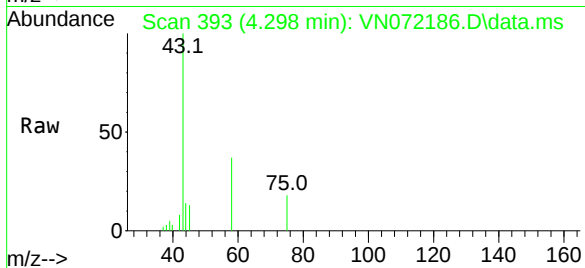




#16
Acetone
Concen: 7.539 ug/l
RT: 4.298 min Scan# 393
Delta R.T. 0.023 min
Lab File: VN072186.D
Acq: 25 Apr 2022 17:52

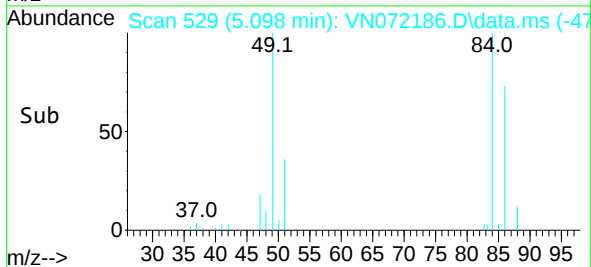
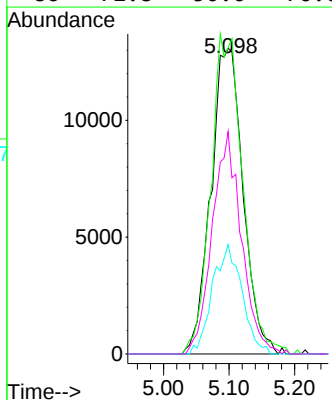
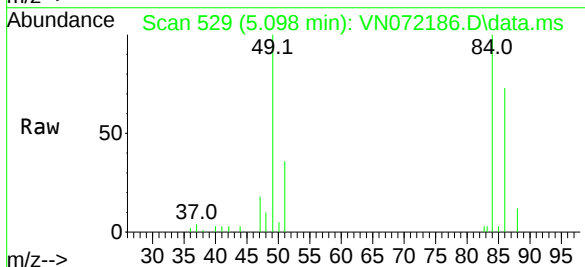
Instrument :
MSVOA_N
ClientSampleId :
MH-8S

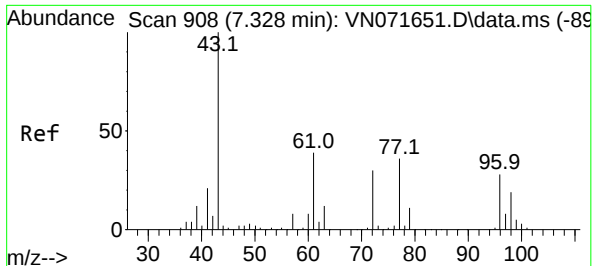
Tgt Ion: 43 Resp: 19008
Ion Ratio Lower Upper
43 100
58 37.3 26.0 39.0



#20
Methylene Chloride
Concen: 8.407 ug/l
RT: 5.098 min Scan# 529
Delta R.T. 0.005 min
Lab File: VN072186.D
Acq: 25 Apr 2022 17:52

Tgt Ion: 84 Resp: 44675
Ion Ratio Lower Upper
84 100
49 100.3 88.3 132.5
51 35.8 28.2 42.2
86 72.8 50.6 76.0





#25

2-Butanone

Concen: 1.908 ug/l

RT: 7.339 min Scan# 910

Delta R.T. 0.011 min

Lab File: VN072186.D

Acq: 25 Apr 2022 17:52

Instrument :

MSVOA_N

ClientSampleId :

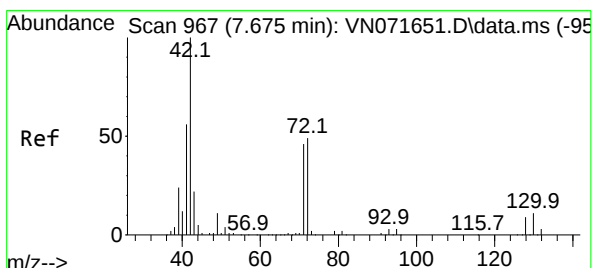
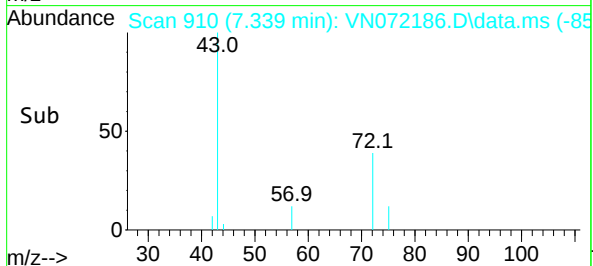
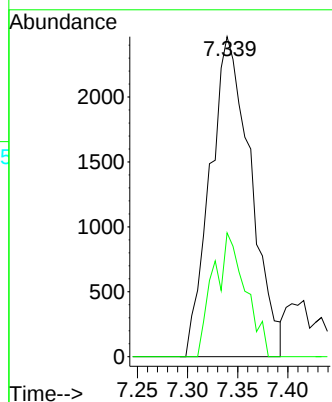
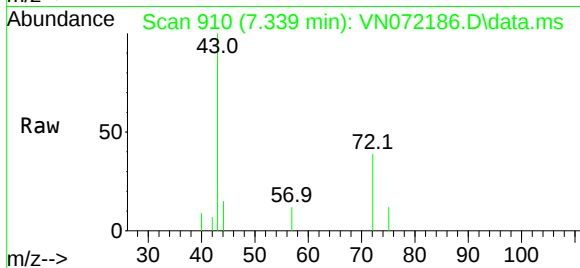
MH-8S

Tgt Ion: 43 Resp: 6936

Ion Ratio Lower Upper

43 100

72 38.7 23.7 35.5#



#29

Tetrahydrofuran

Concen: 0.232 ug/l

RT: 7.698 min Scan# 971

Delta R.T. 0.023 min

Lab File: VN072186.D

Acq: 25 Apr 2022 17:52

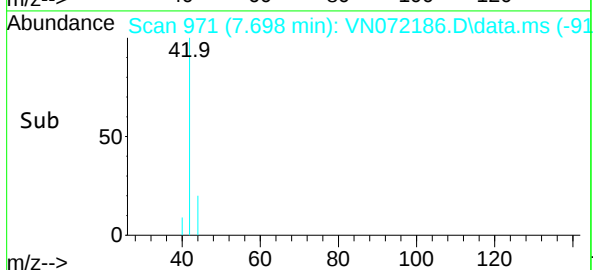
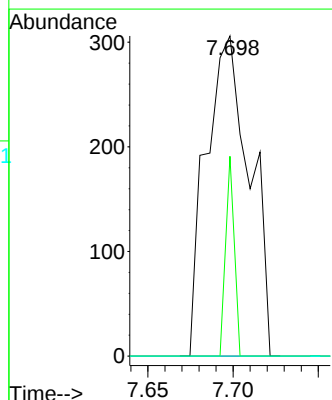
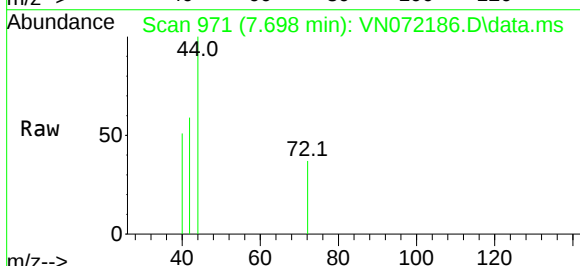
Tgt Ion: 42 Resp: 545

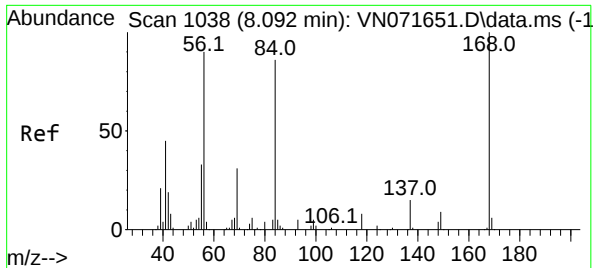
Ion Ratio Lower Upper

42 100

72 12.3 39.7 59.5#

71 0.0 36.6 55.0#

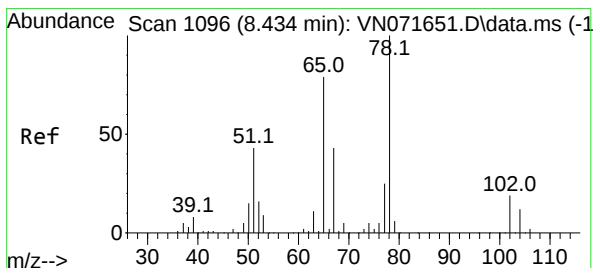
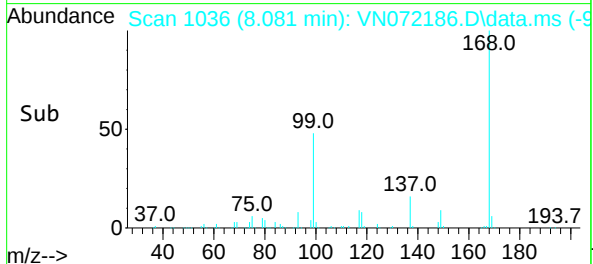
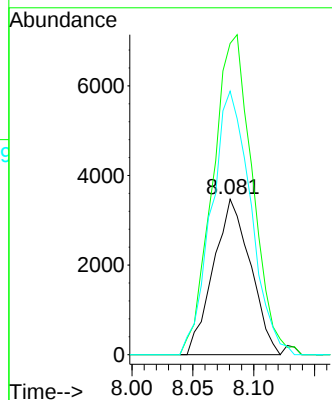
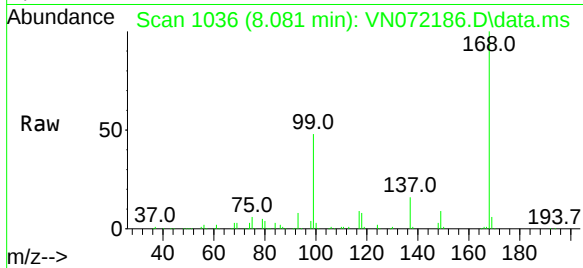




#31
Cyclohexane
Concen: 0.916 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.011 min
Lab File: VN072186.D
Acq: 25 Apr 2022 17:52

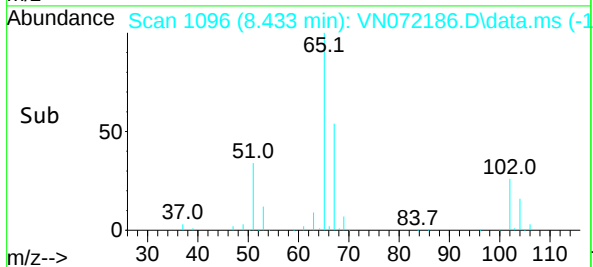
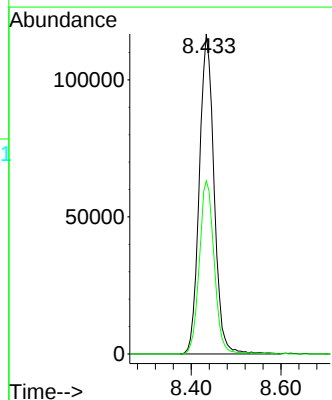
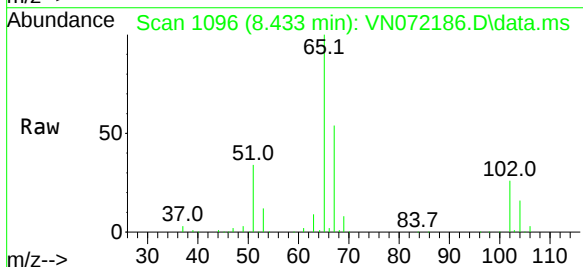
Instrument :
MSVOA_N
ClientSampleId :
MH-8S

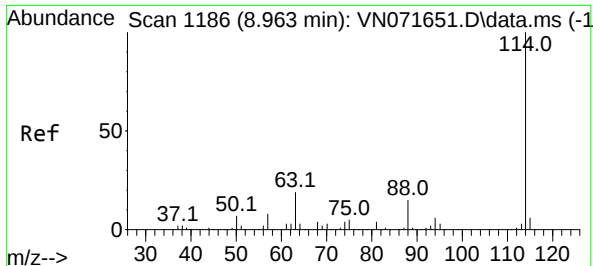
Tgt Ion: 56 Resp: 7347
Ion Ratio Lower Upper
56 100
69 200.2 27.8 41.8#
84 169.5 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 45.087 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.001 min
Lab File: VN072186.D
Acq: 25 Apr 2022 17:52

Tgt Ion: 65 Resp: 265980
Ion Ratio Lower Upper
65 100
67 54.4 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: VN072186.D

Acq: 25 Apr 2022 17:52

Instrument :

MSVOA_N

ClientSampleId :

MH-8S

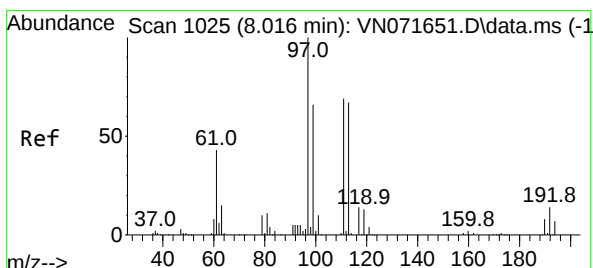
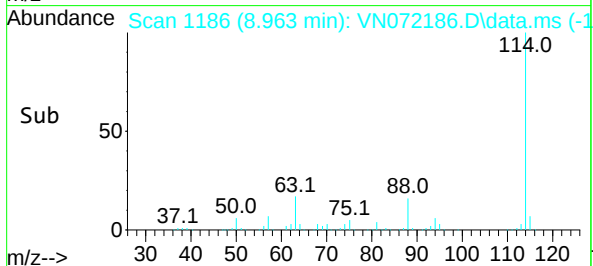
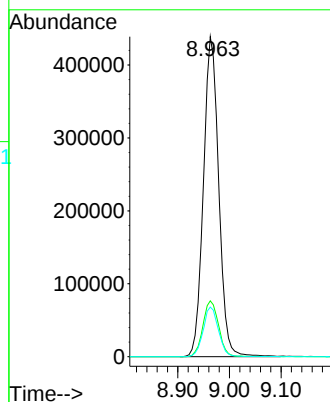
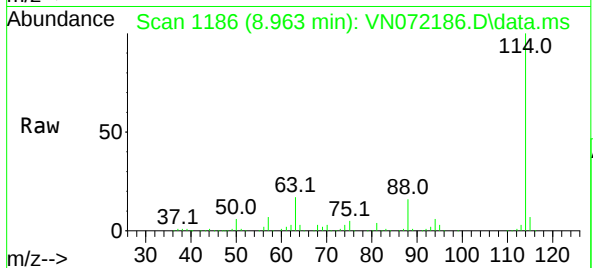
Tgt Ion:114 Resp: 903348

Ion Ratio Lower Upper

114 100

63 17.5 0.0 40.0

88 15.5 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.157 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.000 min

Lab File: VN072186.D

Acq: 25 Apr 2022 17:52

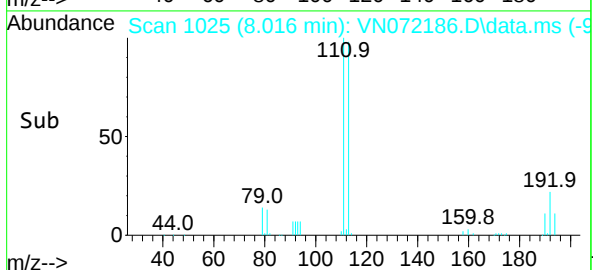
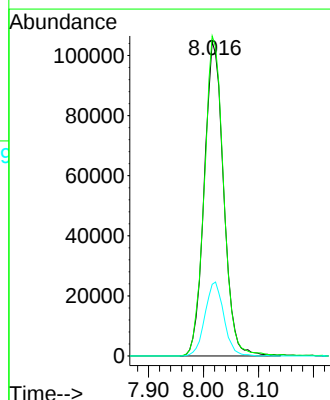
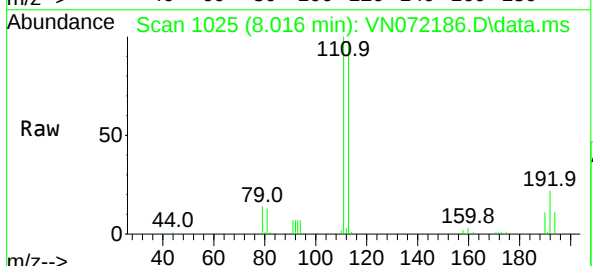
Tgt Ion:113 Resp: 255985

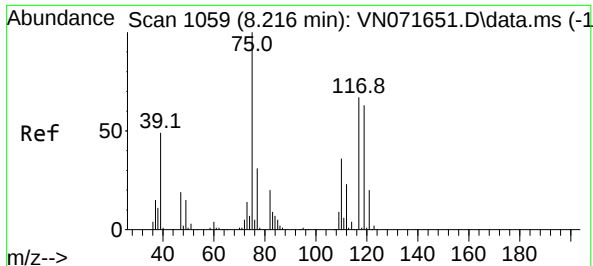
Ion Ratio Lower Upper

113 100

111 101.3 81.4 122.0

192 23.0 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.296 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.135 min

Lab File: VN072186.D

Acq: 25 Apr 2022 17:52

Instrument :

MSVOA_N

ClientSampleId :

MH-8S

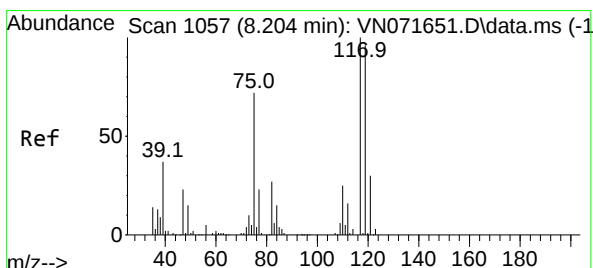
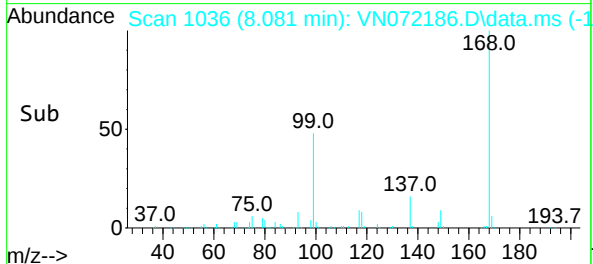
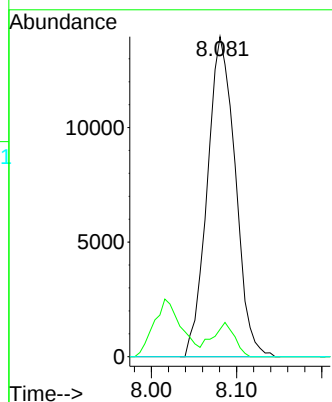
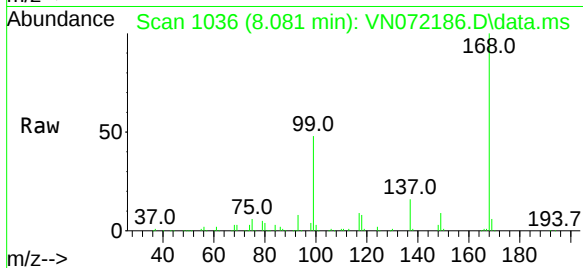
Tgt Ion: 75 Resp: 31889

Ion Ratio Lower Upper

75 100

110 8.5 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.217 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.123 min

Lab File: VN072186.D

Acq: 25 Apr 2022 17:52

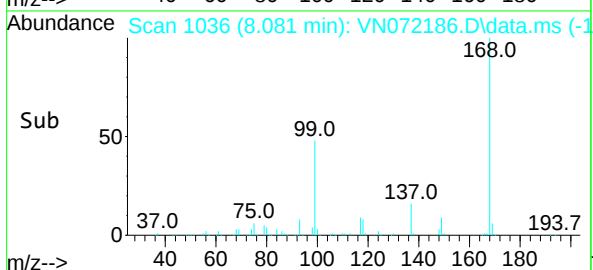
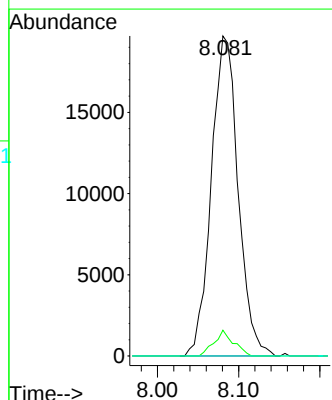
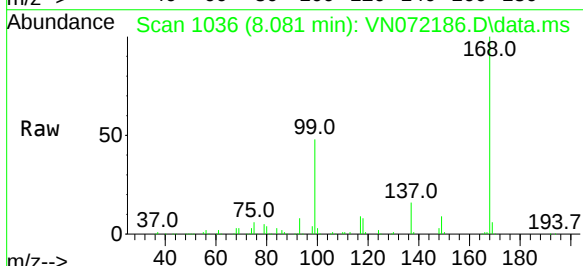
Tgt Ion: 117 Resp: 45230

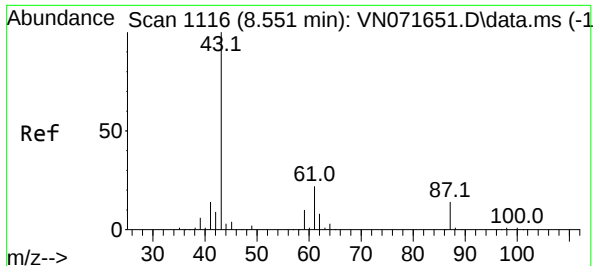
Ion Ratio Lower Upper

117 100

119 8.0 75.8 113.8#

121 0.0 24.6 37.0#





#43

Isopropyl Acetate

Concen: 5.770 ug/l

RT: 8.557 min Scan# 1116

Delta R.T. 0.006 min

Lab File: VN072186.D

Acq: 25 Apr 2022 17:52

Instrument :

MSVOA_N

ClientSampleId :

MH-8S

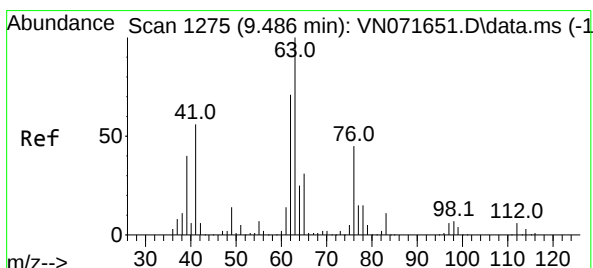
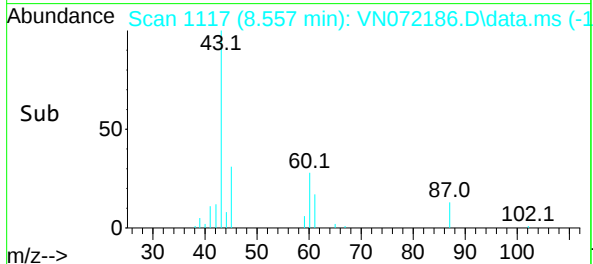
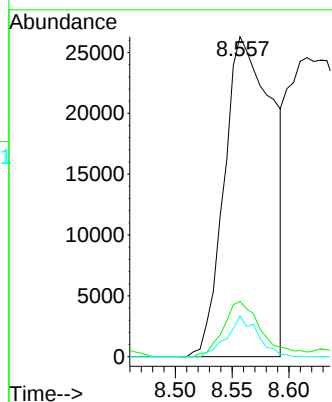
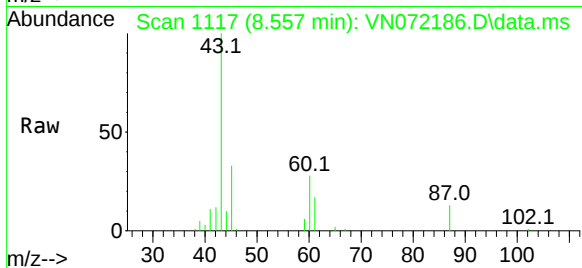
Tgt Ion: 43 Resp: 77983

Ion Ratio Lower Upper

43 100

61 13.7 21.9 32.9#

87 8.0 12.0 18.0#



#45

1,2-Dichloropropane

Concen: 0.590 ug/l

RT: 9.616 min Scan# 1297

Delta R.T. 0.130 min

Lab File: VN072186.D

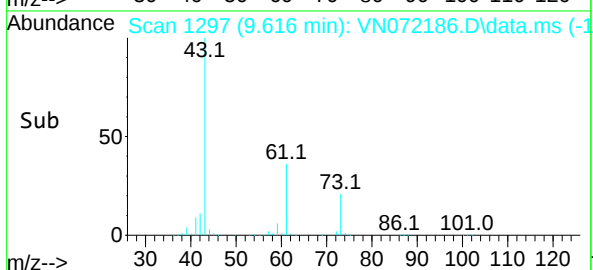
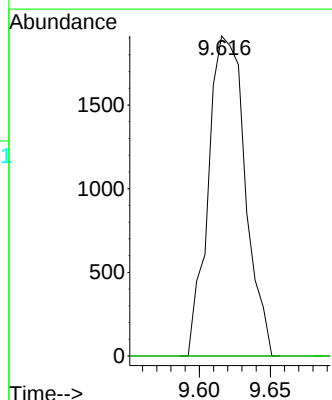
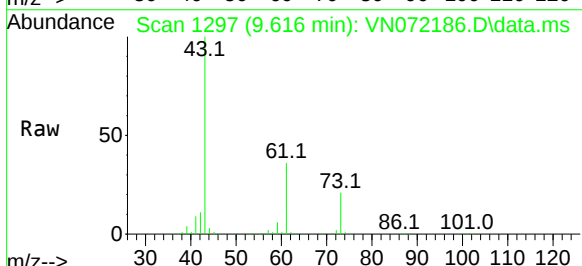
Acq: 25 Apr 2022 17:52

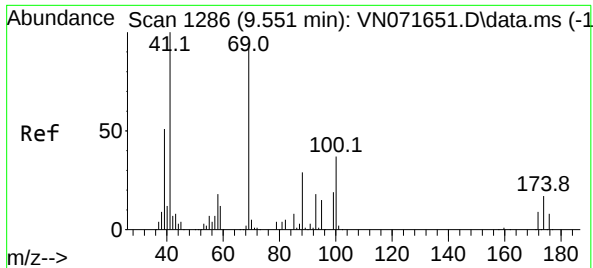
Tgt Ion: 63 Resp: 3454

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#

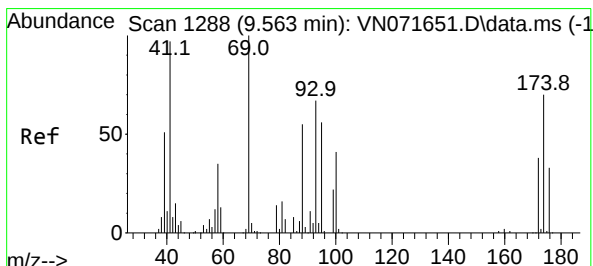
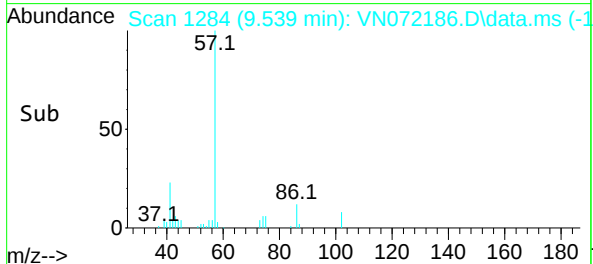
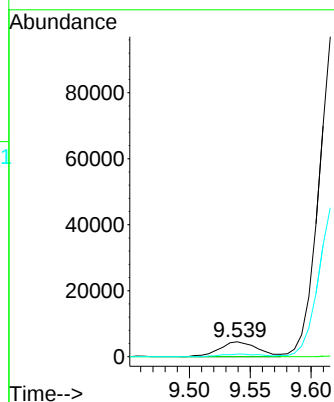
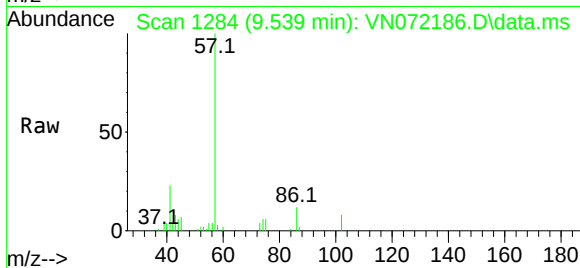




#48
Methyl methacrylate
Concen: 1.749 ug/l
RT: 9.539 min Scan# 1284
Delta R.T. -0.012 min
Lab File: VN072186.D
Acq: 25 Apr 2022 17:52

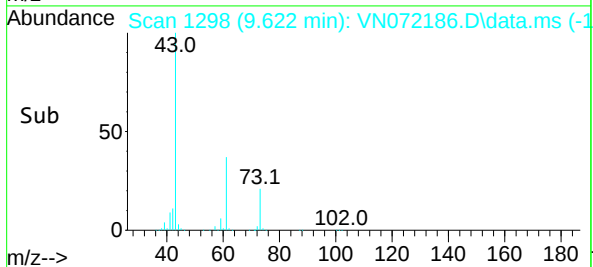
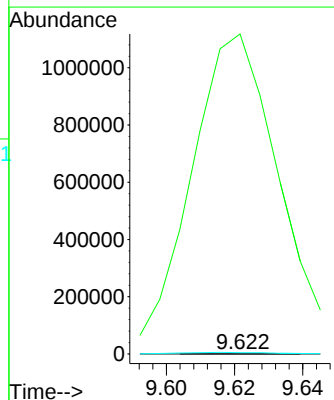
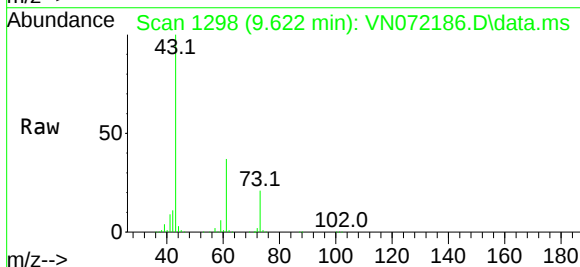
Instrument :
MSVOA_N
ClientSampleId :
MH-8S

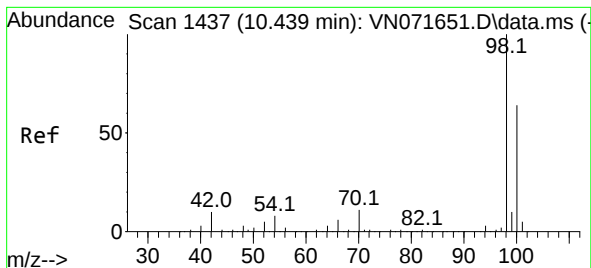
Tgt Ion: 41 Resp: 9808
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 0.0 45.6 68.4#



#49
1,4-Dioxane
Concen: Below Cal
RT: 9.622 min Scan# 1298
Delta R.T. 0.059 min
Lab File: VN072186.D
Acq: 25 Apr 2022 17:52

Tgt Ion: 88 Resp: 197
Ion Ratio Lower Upper
88 100
43 1057294.4 20.2 30.4#
58 5680.2 54.2 81.4#





#50

Toluene-d8

Concen: 53.595 ug/l

RT: 10.439 min Scan# 1437

Delta R.T. 0.000 min

Lab File: VN072186.D

Acq: 25 Apr 2022 17:52

Instrument :

MSVOA_N

ClientSampleId :

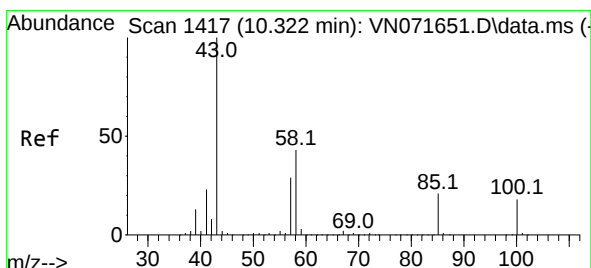
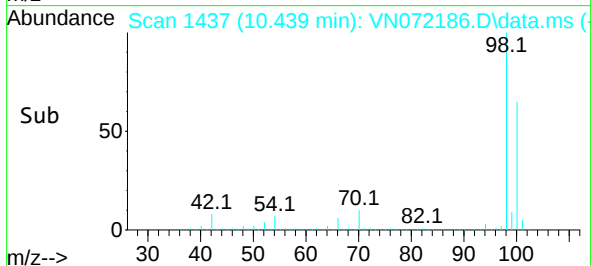
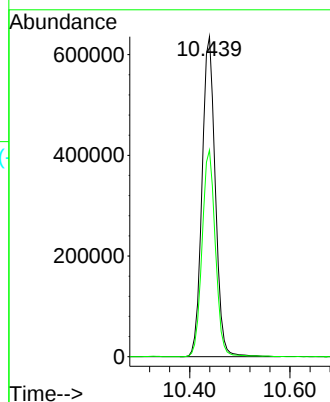
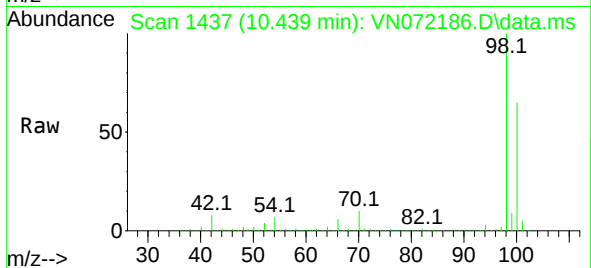
MH-8S

Tgt Ion: 98 Resp: 1165435

Ion Ratio Lower Upper

98 100

100 65.1 52.6 78.8



#51

4-Methyl-2-Pentanone

Concen: 0.734 ug/l

RT: 10.327 min Scan# 1418

Delta R.T. 0.005 min

Lab File: VN072186.D

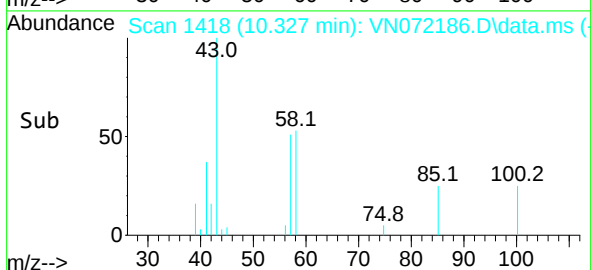
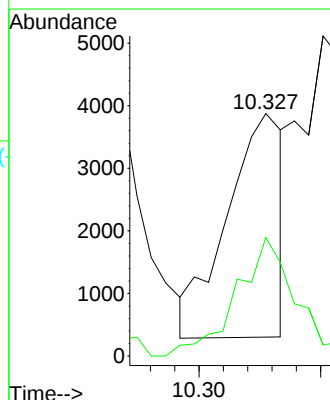
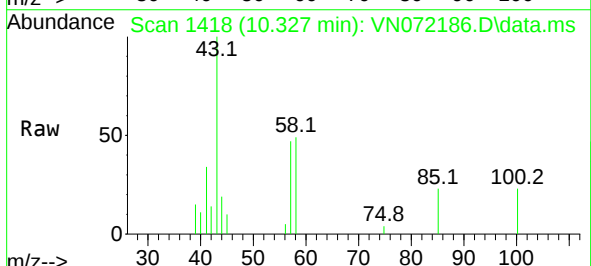
Acq: 25 Apr 2022 17:52

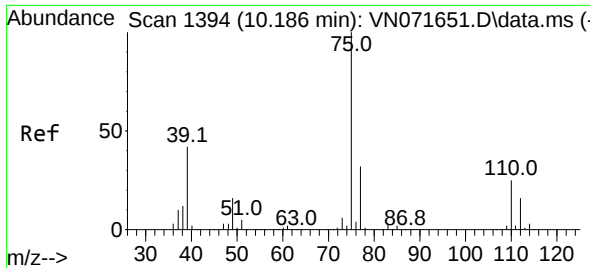
Tgt Ion: 43 Resp: 5706

Ion Ratio Lower Upper

43 100

58 56.0 34.1 51.1#

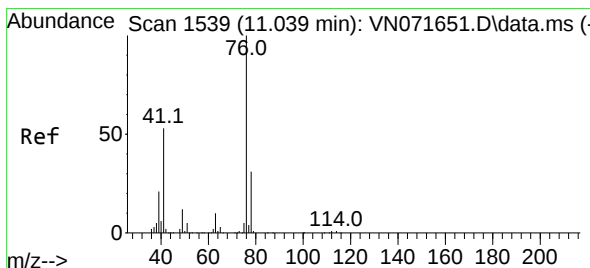
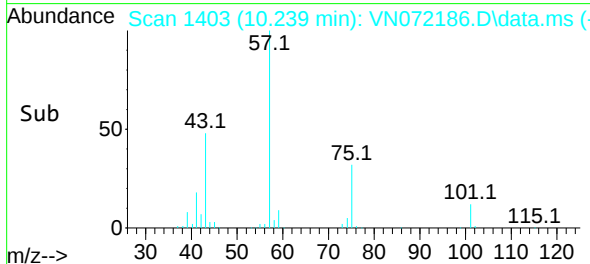
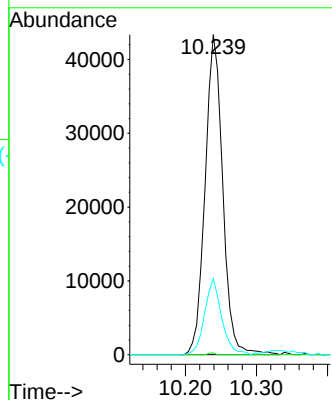
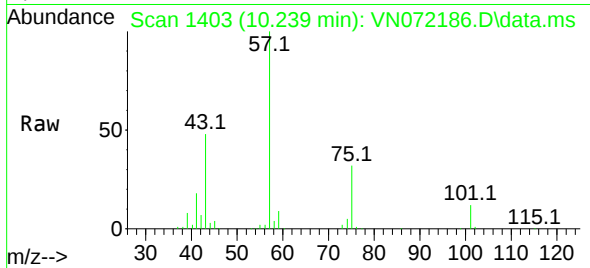




#54
 cis-1,3-Dichloropropene
 Concen: 8.267 ug/l
 RT: 10.239 min Scan# 1403
 Delta R.T. 0.053 min
 Lab File: VN072186.D
 Acq: 25 Apr 2022 17:52

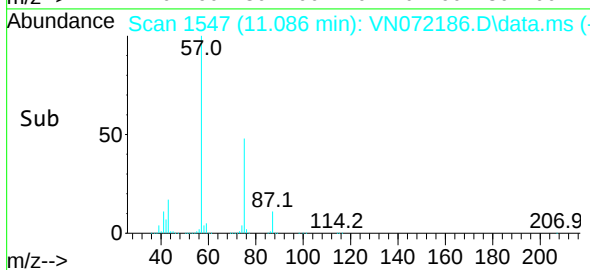
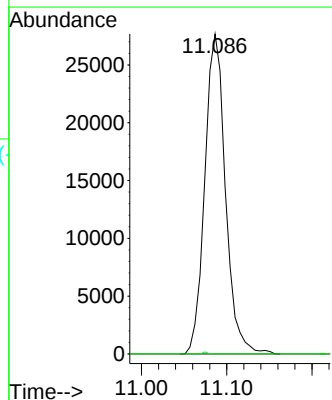
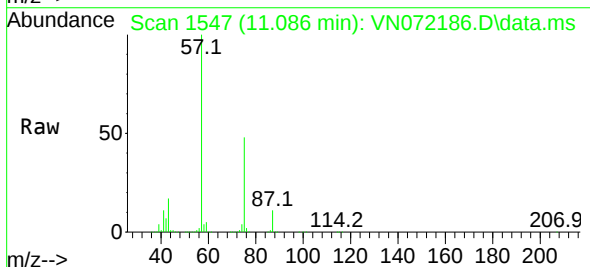
Instrument :
 MSVOA_N
 ClientSampleId :
 MH-8S

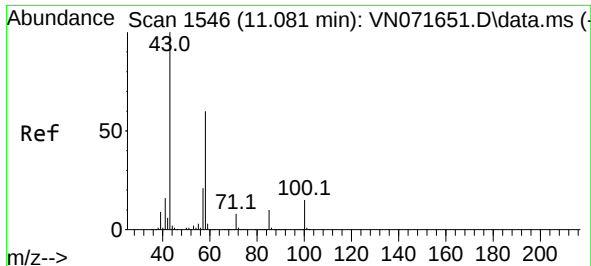
Tgt Ion: 75 Resp: 74955
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.2 37.8#
 39 23.8 35.7 53.5#



#57
 1,3-Dichloropropane
 Concen: 4.573 ug/l
 RT: 11.086 min Scan# 1547
 Delta R.T. 0.047 min
 Lab File: VN072186.D
 Acq: 25 Apr 2022 17:52

Tgt Ion: 76 Resp: 46646
 Ion Ratio Lower Upper
 76 100
 78 0.1 26.2 39.2#

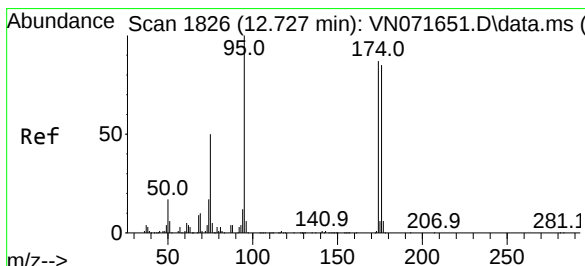
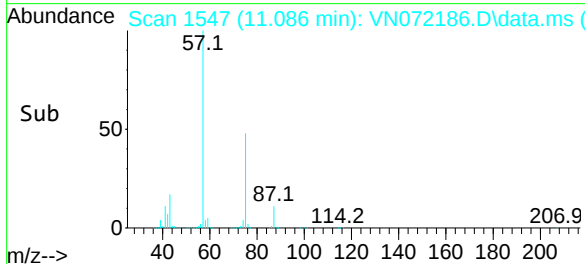
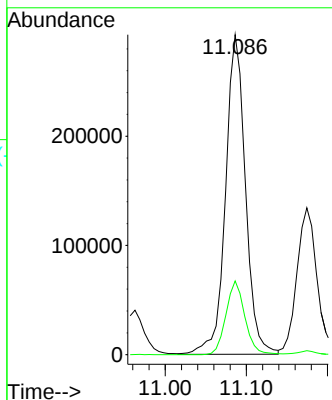
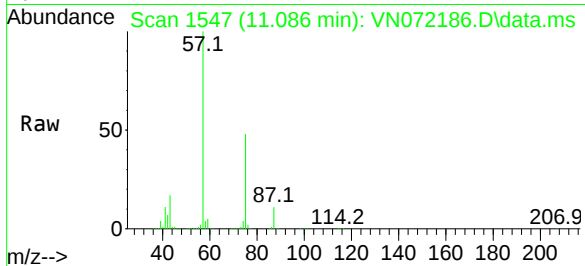




#59
2-Hexanone
Concen: 91.264 ug/l
RT: 11.086 min Scan# 1546
Delta R.T. 0.005 min
Lab File: VN072186.D
Acq: 25 Apr 2022 17:52

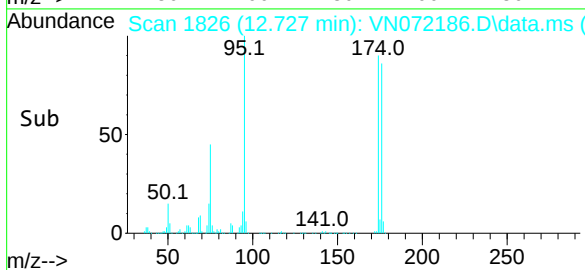
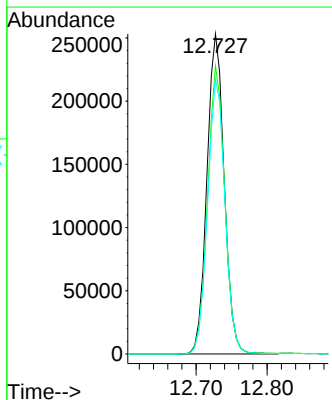
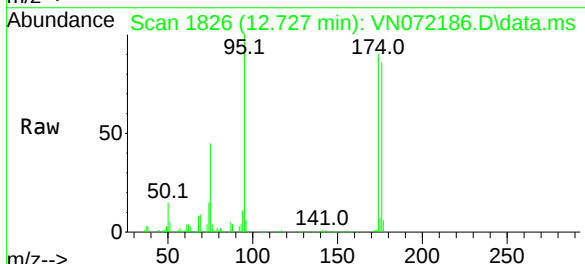
Instrument :
MSVOA_N
ClientSampleId :
MH-8S

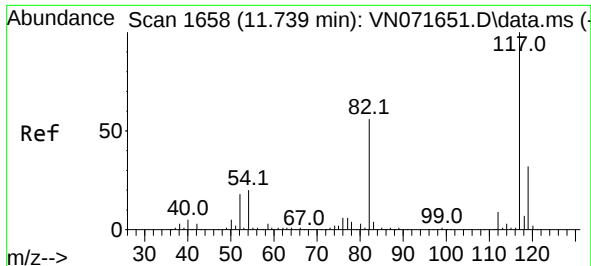
Tgt Ion: 43 Resp: 499251
Ion Ratio Lower Upper
43 100
58 21.9 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 60.836 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072186.D
Acq: 25 Apr 2022 17:52

Tgt Ion: 95 Resp: 427846
Ion Ratio Lower Upper
95 100
174 90.0 0.0 167.6
176 86.2 0.0 163.4

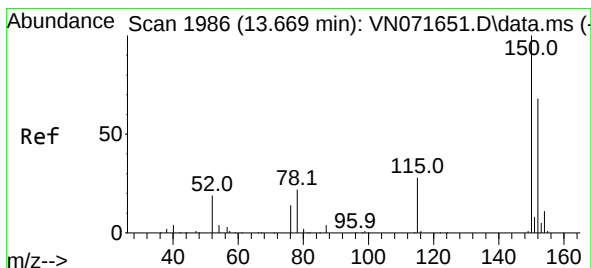
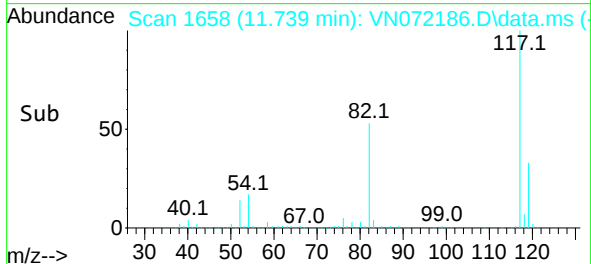
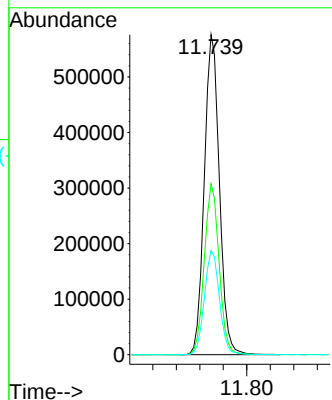
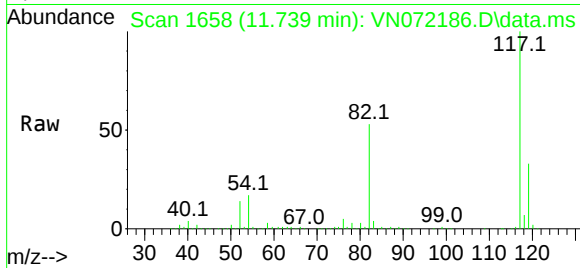




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN072186.D
Acq: 25 Apr 2022 17:52

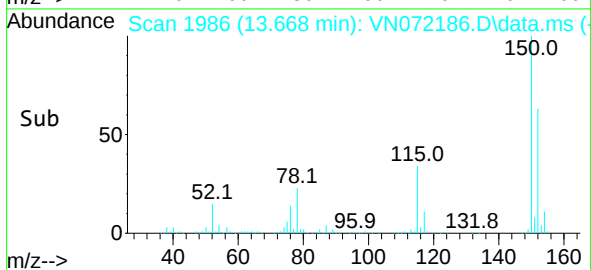
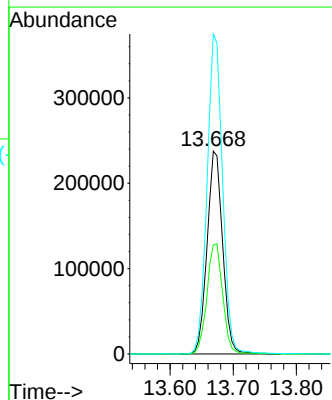
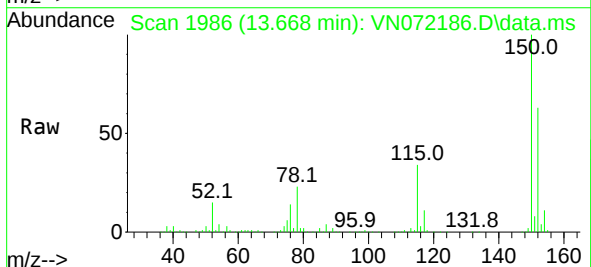
Instrument :
MSVOA_N
ClientSampleId :
MH-8S

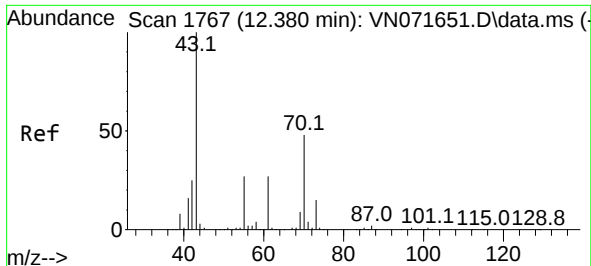
Tgt Ion:117 Resp: 1023795
Ion Ratio Lower Upper
117 100
82 53.4 44.2 66.2
119 32.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.001 min
Lab File: VN072186.D
Acq: 25 Apr 2022 17:52

Tgt Ion:152 Resp: 406431
Ion Ratio Lower Upper
152 100
115 55.0 28.9 86.7
150 156.9 0.0 356.2

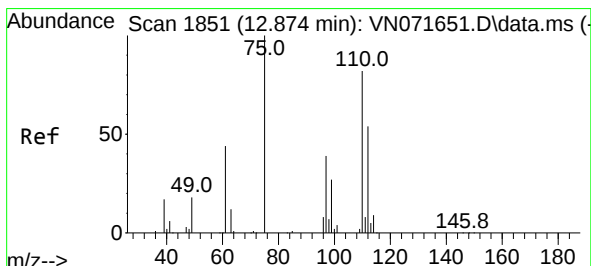
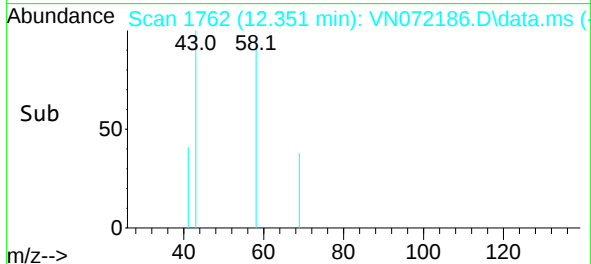
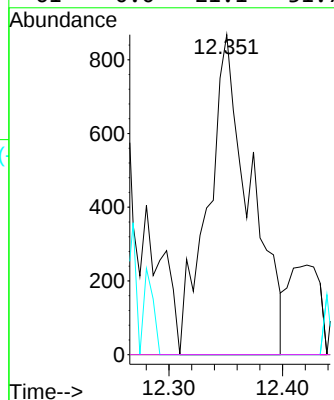
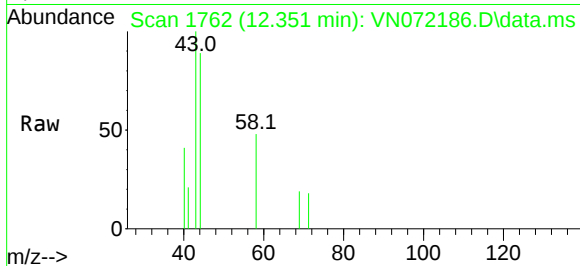




#74
N-amy1 acetate
Concen: 0.228 ug/l
RT: 12.351 min Scan# 11
Delta R.T. -0.029 min
Lab File: VN072186.D
Acq: 25 Apr 2022 17:52

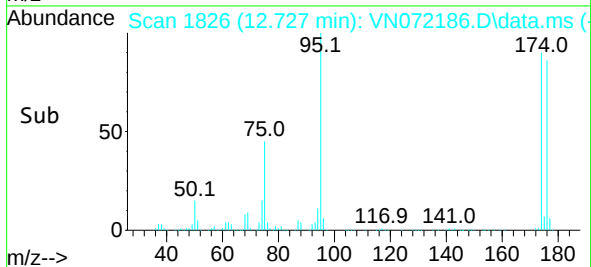
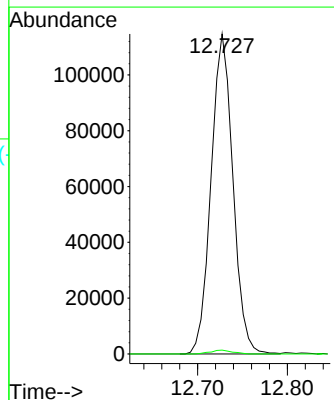
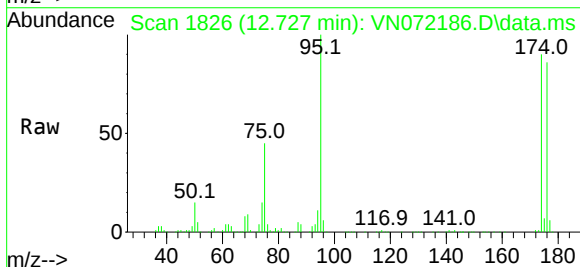
Instrument :
MSVOA_N
ClientSampleId :
MH-8S

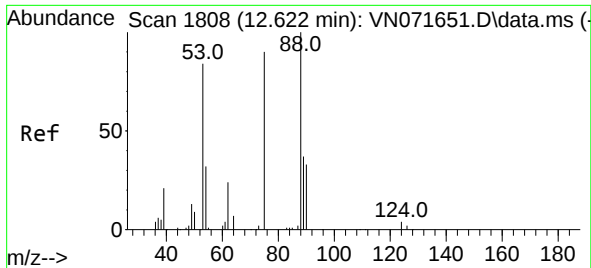
Tgt Ion: 43	Resp: 2233
Ion Ratio	Lower Upper
43 100	
70 0.0	39.0 58.4#
55 0.0	21.1 31.7#
61 0.0	21.1 31.7#



#76
1,2,3-Trichloropropane
Concen: 20.573 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072186.D
Acq: 25 Apr 2022 17:52

Tgt Ion: 75	Resp: 193701
Ion Ratio	Lower Upper
75 100	
77 1.2	98.5 295.5#

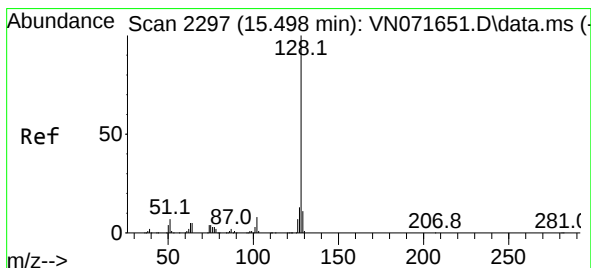
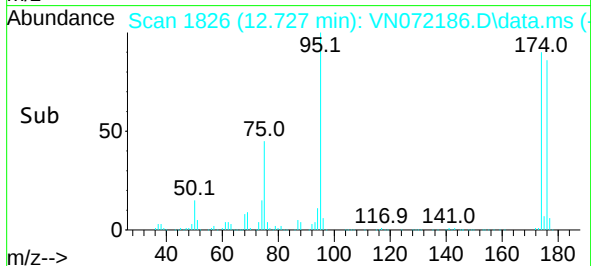
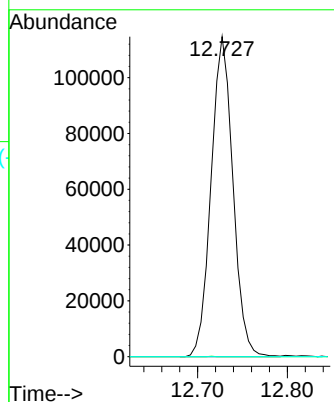
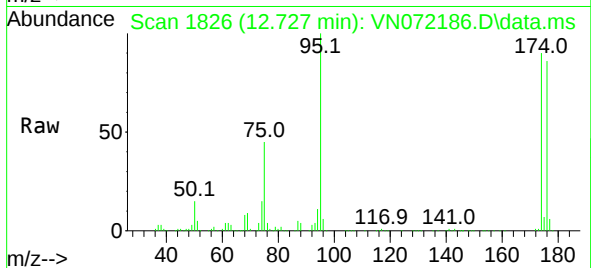




#81
trans-1,4-Dichloro-2-butene
Concen: 63.755 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.105 min
Lab File: VN072186.D
Acq: 25 Apr 2022 17:52

Instrument :
MSVOA_N
ClientSampleId :
MH-8S

Tgt Ion: 75 Resp: 193701
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 3.845 ug/l
RT: 15.498 min Scan# 2297
Delta R.T. -0.000 min
Lab File: VN072186.D
Acq: 25 Apr 2022 17:52

Tgt Ion: 128 Resp: 849
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#

