

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111124\
 Data File : VN084784.D
 Acq On : 11 Nov 2024 20:06
 Operator : JC\MD
 Sample : P4798-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MH-6

Quant Time: Nov 12 00:38:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

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

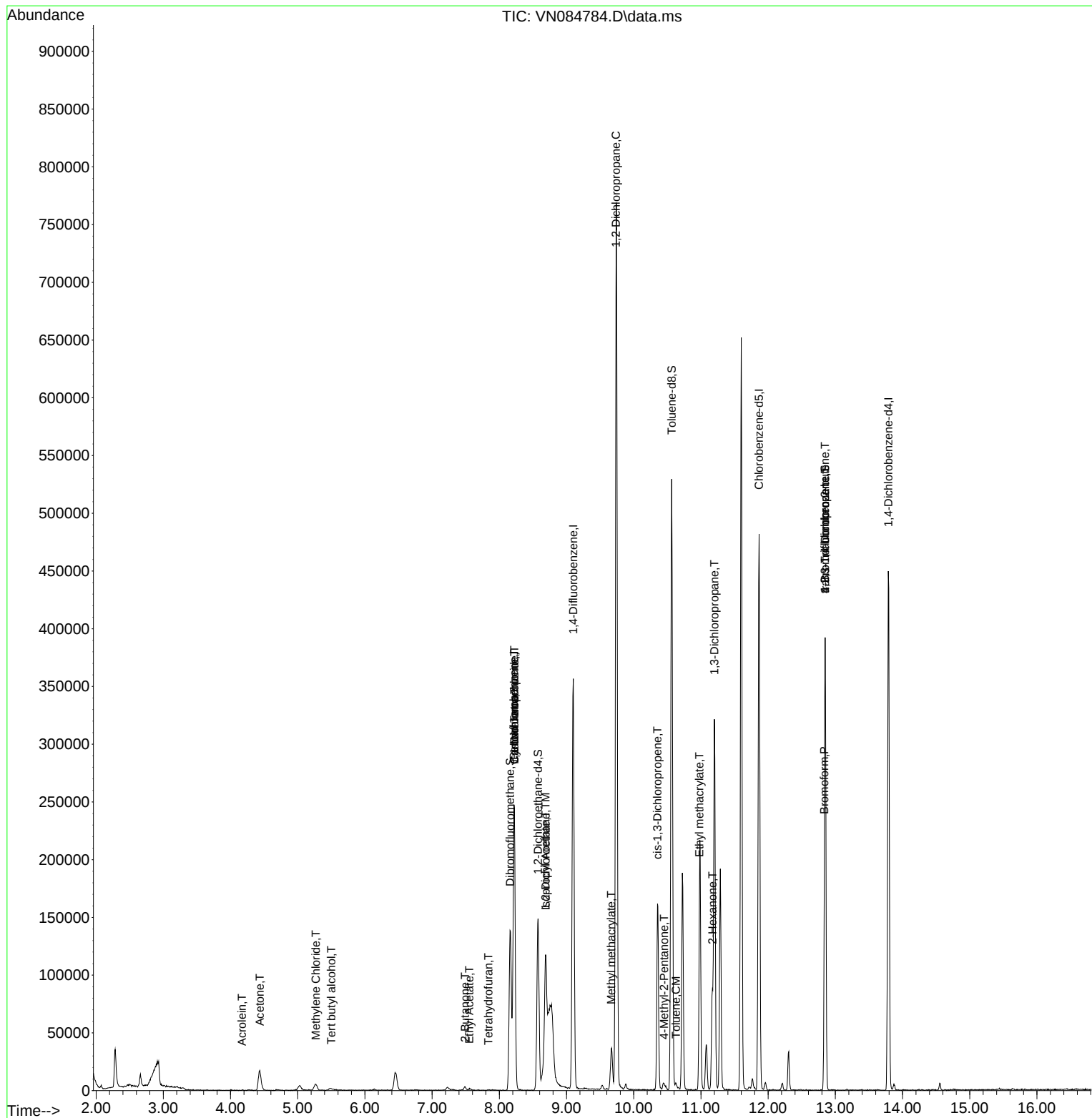
Internal Standards						
1) Pentafluorobenzene	8.218	168	177598	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	312230	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	278937	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	123856	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	126246	49.217	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.440%		
35) Dibromofluoromethane	8.159	113	102663	48.577	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.160%		
50) Toluene-d8	10.565	98	365951	47.006	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.020%		
62) 4-Bromofluorobenzene	12.847	95	135559	46.591	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	93.180%		
Target Compounds					Qvalue	
3) Chloromethane	2.348	50	524	Below Cal	#	41
6) Chloroethane	3.112	64	331	Below Cal	#	45
11) Tert butyl alcohol	5.500	59	1487	4.392	ug/l #	73
13) Acrolein	4.171	56	119	0.352	ug/l #	71
16) Acetone	4.436	43	33392	42.700	ug/l	96
18) Methyl Acetate	5.024	43	8914	Below Cal	#	86
20) Methylene Chloride	5.271	84	4367	1.936	ug/l #	85
25) 2-Butanone	7.489	43	4758	3.976	ug/l	97
29) Tetrahydrofuran	7.836	42	174	0.219	ug/l #	60
31) Cyclohexane	8.224	56	3851	1.087	ug/l #	14
36) 1,1-Dichloropropene	8.224	75	14800	5.049	ug/l #	49
37) Ethyl Acetate	7.553	43	2518	0.947	ug/l #	79
38) Carbon Tetrachloride	8.224	117	18710	5.711	ug/l #	14
42) 1,2-Dichloroethane	8.688	62	758	0.249	ug/l #	75
43) Isopropyl Acetate	8.688	43	164671	33.194	ug/l #	77
45) 1,2-Dichloropropane	9.735	63	923	0.418	ug/l #	44
48) Methyl methacrylate	9.665	41	2315	1.119	ug/l #	42
51) 4-Methyl-2-Pentanone	10.453	43	7157	2.823	ug/l #	70
52) Toluene	10.630	92	2065	0.375	ug/l	92
54) cis-1,3-Dichloropropene	10.353	75	29796	8.281	ug/l #	62
56) Ethyl methacrylate	10.977	69	1033	0.344	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	3600	1.012	ug/l #	42
59) 2-Hexanone	11.171	43	70182	38.033	ug/l #	24
71) Bromoform	12.835	173	516	0.316	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	71229	28.770	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	71229	68.254	ug/l #	11

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

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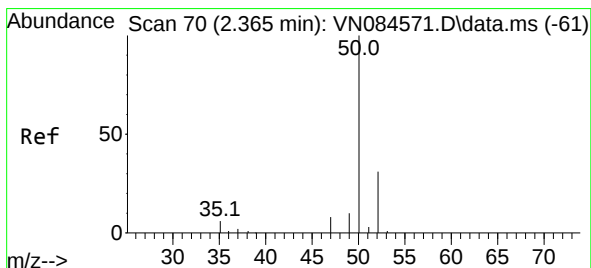
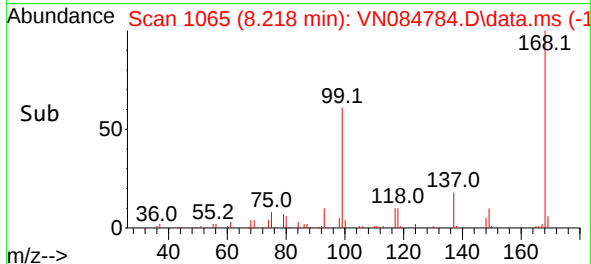
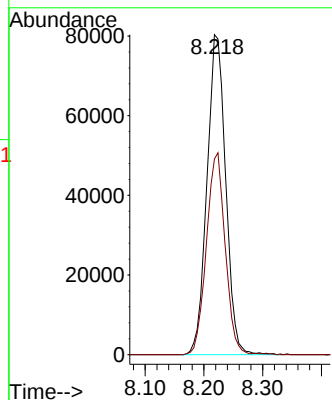
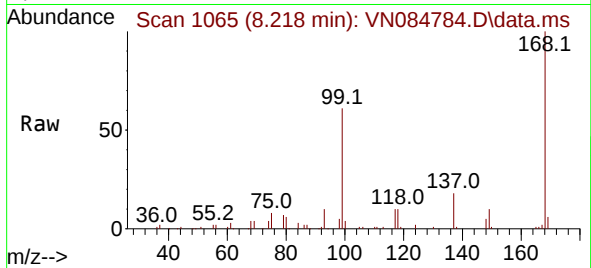




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN084784.D
Acq: 11 Nov 2024 20:06

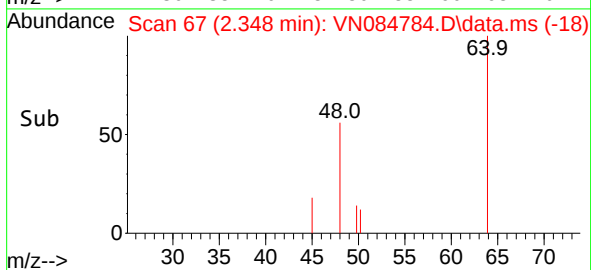
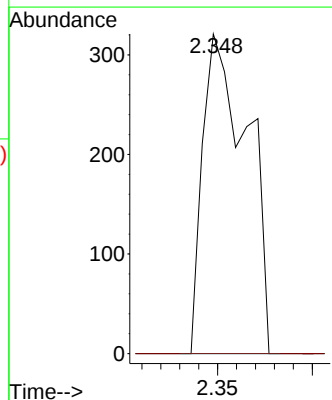
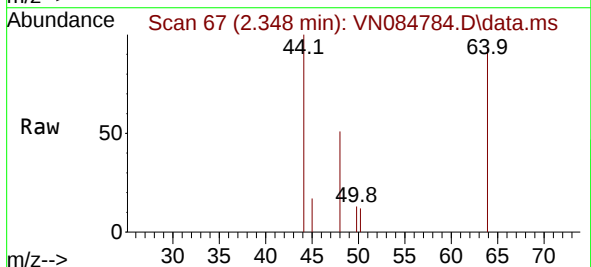
Instrument :
MSVOA_N
ClientSampleId :
MH-6

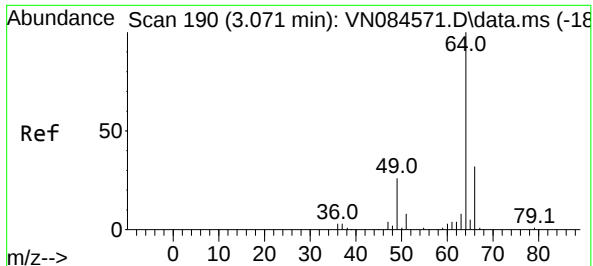
Tgt Ion:168 Resp: 177598
Ion Ratio Lower Upper
168 100
99 61.1 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.348 min Scan# 67
Delta R.T. -0.011 min
Lab File: VN084784.D
Acq: 11 Nov 2024 20:06

Tgt Ion: 50 Resp: 524
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

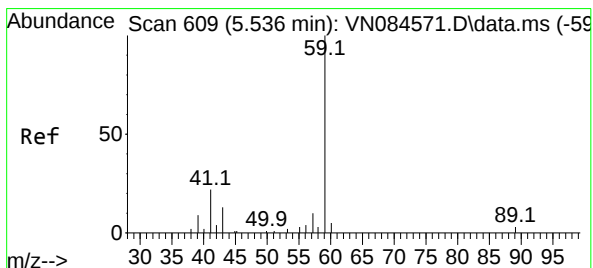
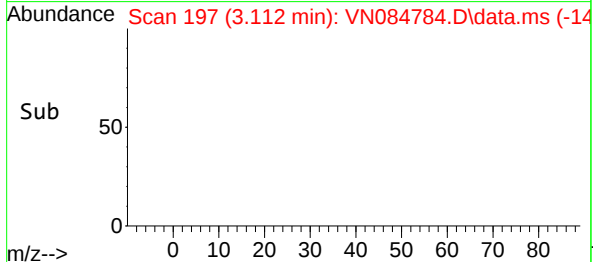
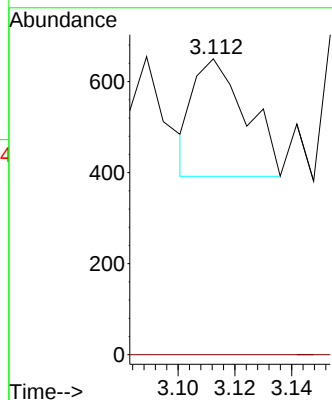
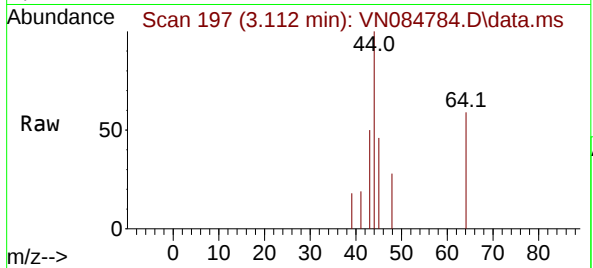




#6
Chloroethane
Concen: Below Cal
RT: 3.112 min Scan# 190
Delta R.T. -0.006 min
Lab File: VN084784.D
Acq: 11 Nov 2024 20:06

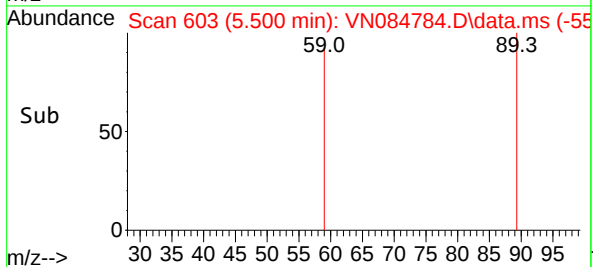
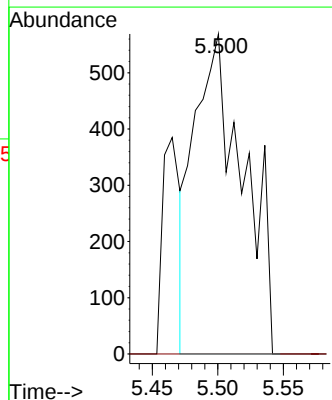
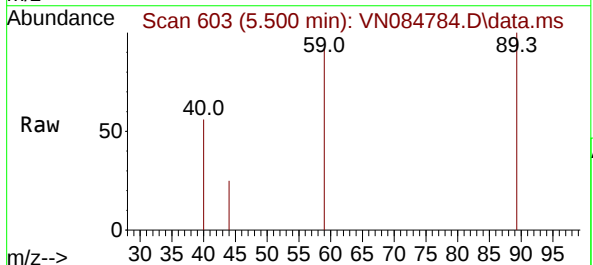
Instrument :
MSVOA_N
ClientSampleId :
MH-6

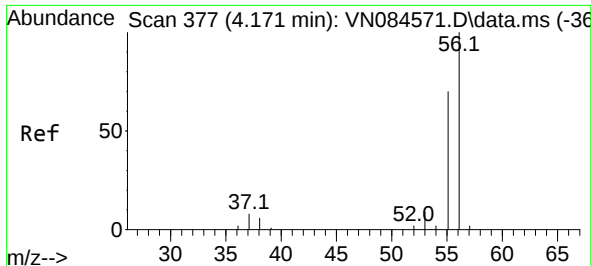
Tgt Ion: 64 Resp: 331
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 4.392 ug/l
RT: 5.500 min Scan# 603
Delta R.T. -0.023 min
Lab File: VN084784.D
Acq: 11 Nov 2024 20:06

Tgt Ion: 59 Resp: 1487
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#13

Acrolein

Concen: 0.352 ug/l

RT: 4.171 min Scan# 31

Delta R.T. -0.006 min

Lab File: VN084784.D

Acq: 11 Nov 2024 20:06

Instrument :

MSVOA_N

ClientSampleId :

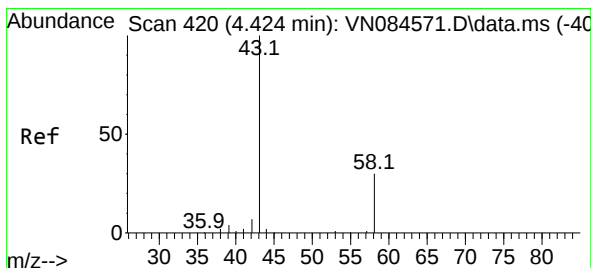
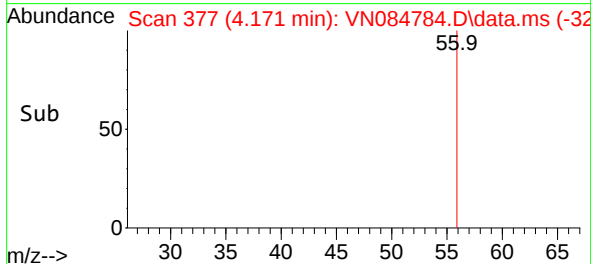
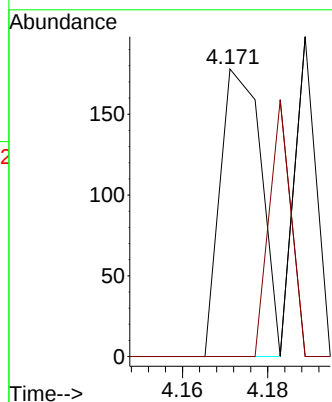
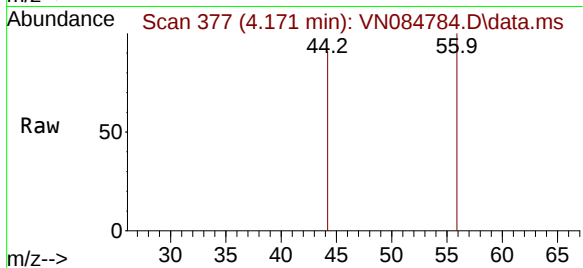
MH-6

Tgt Ion: 56 Resp: 119

Ion Ratio Lower Upper

56 100

55 47.1 57.2 85.8#



#16

Acetone

Concen: 42.700 ug/l

RT: 4.436 min Scan# 422

Delta R.T. 0.012 min

Lab File: VN084784.D

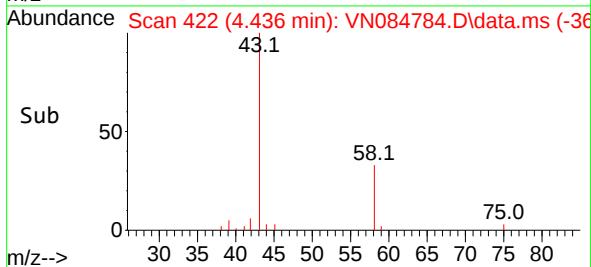
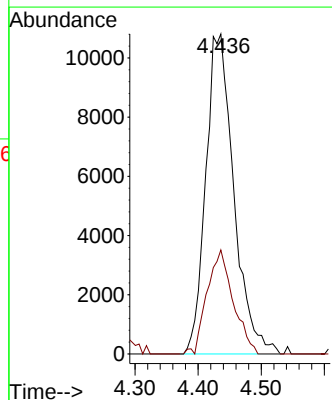
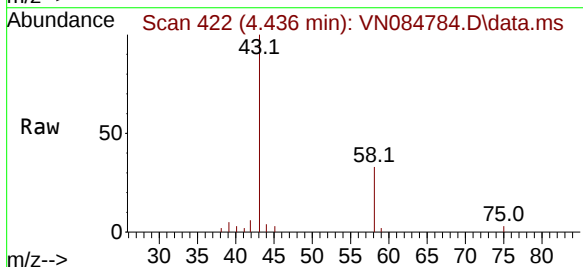
Acq: 11 Nov 2024 20:06

Tgt Ion: 43 Resp: 33392

Ion Ratio Lower Upper

43 100

58 32.5 24.4 36.6

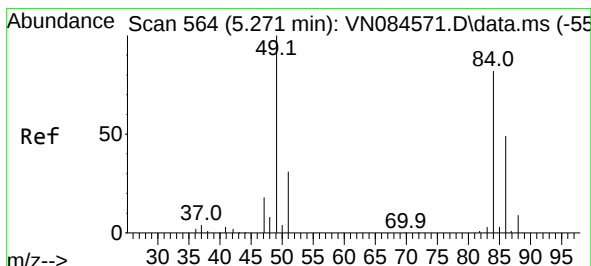
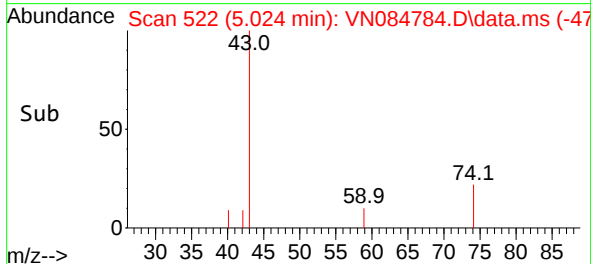
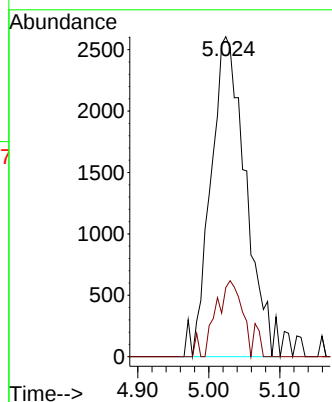
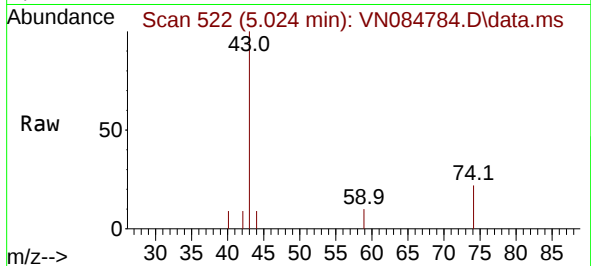




#18
Methyl Acetate
Concen: Below Cal
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN084784.D
Acq: 11 Nov 2024 20:06

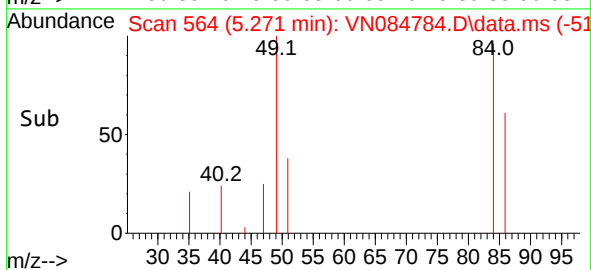
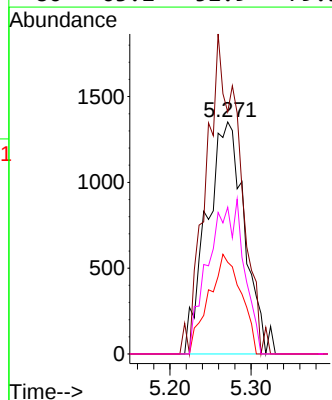
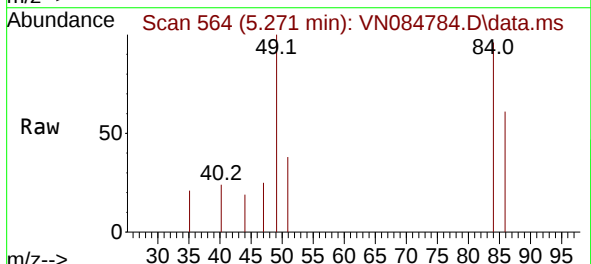
Instrument :
MSVOA_N
ClientSampleId :
MH-6

Tgt Ion: 43 Resp: 8914
Ion Ratio Lower Upper
43 100
74 17.0 19.2 28.8#



#20
Methylene Chloride
Concen: 1.936 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084784.D
Acq: 11 Nov 2024 20:06

Tgt Ion: 84 Resp: 4367
Ion Ratio Lower Upper
84 100
49 104.4 107.2 160.8#
51 39.5 31.8 47.8
86 63.2 52.9 79.3

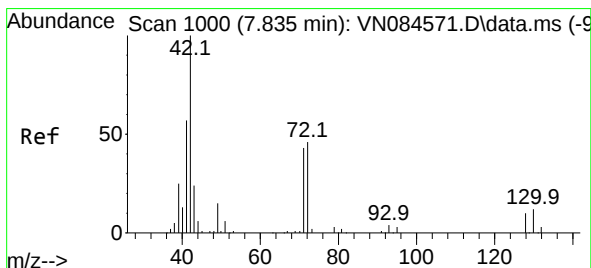
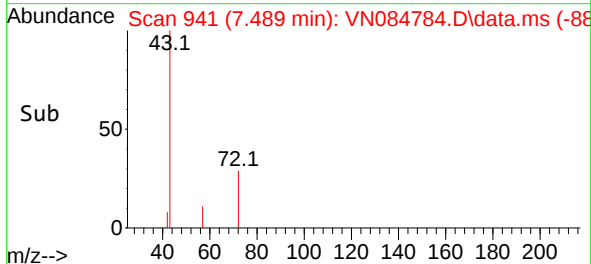
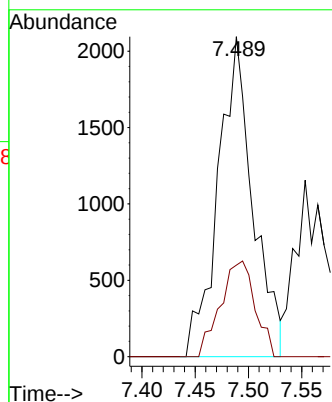
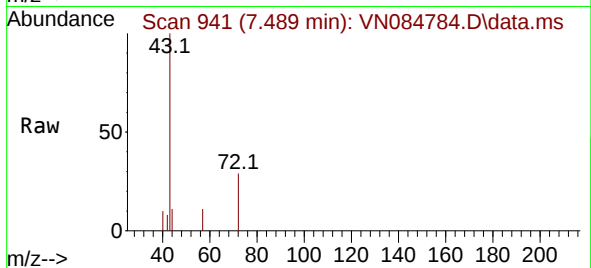




#25
2-Butanone
Concen: 3.976 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN084784.D
Acq: 11 Nov 2024 20:06

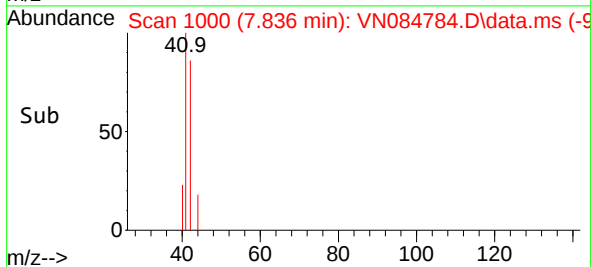
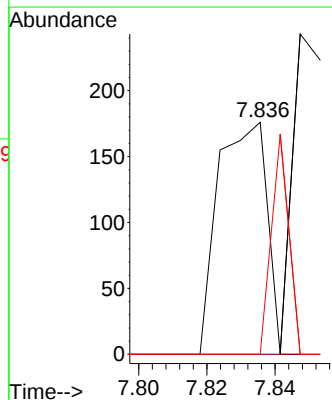
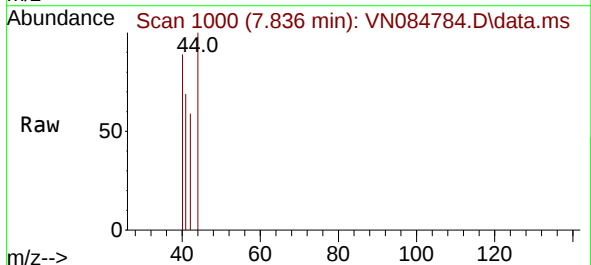
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ClientSampleId :
MH-6

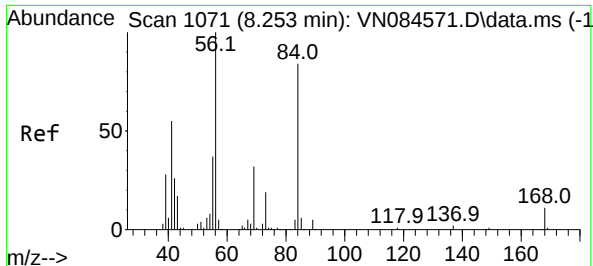
Tgt Ion: 43 Resp: 4758
Ion Ratio Lower Upper
43 100
72 28.6 21.4 32.2



#29
Tetrahydrofuran
Concen: 0.219 ug/l
RT: 7.836 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VN084784.D
Acq: 11 Nov 2024 20:06

Tgt Ion: 42 Resp: 174
Ion Ratio Lower Upper
42 100
72 0.0 34.6 51.8#
71 33.9 32.2 48.4





#31

Cyclohexane

Concen: 1.087 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.029 min

Lab File: VN084784.D

Acq: 11 Nov 2024 20:06

Instrument :

MSVOA_N

ClientSampleId :

MH-6

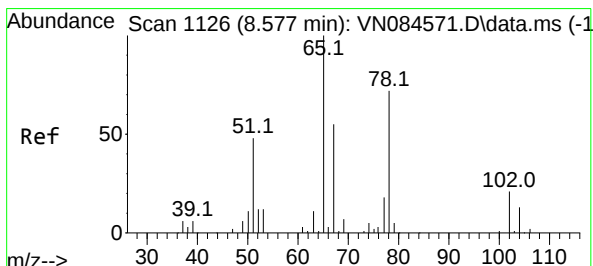
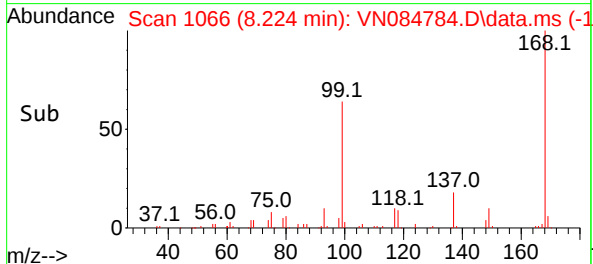
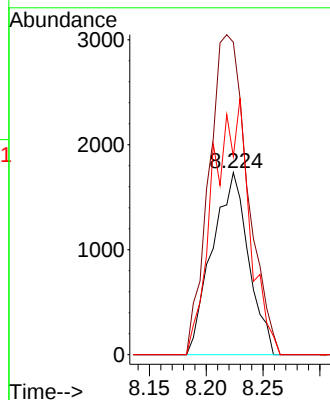
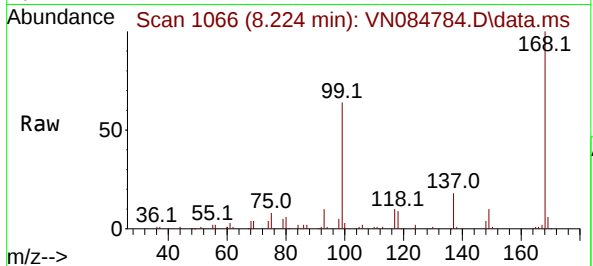
Tgt Ion: 56 Resp: 3851

Ion Ratio Lower Upper

56 100

69 171.5 23.8 35.6#

84 108.8 68.8 103.2#



#33

1,2-Dichloroethane-d4

Concen: 49.217 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN084784.D

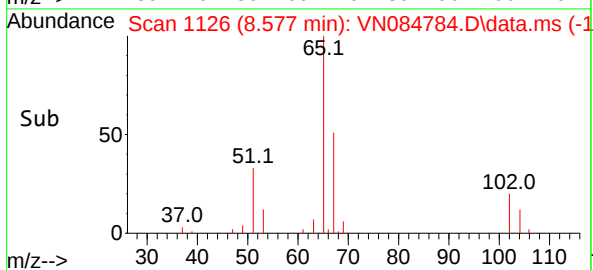
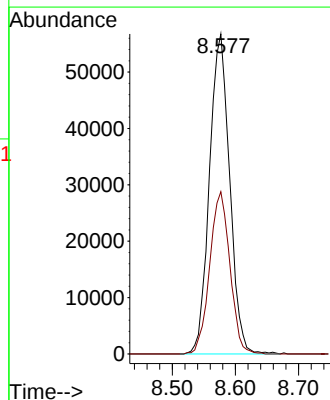
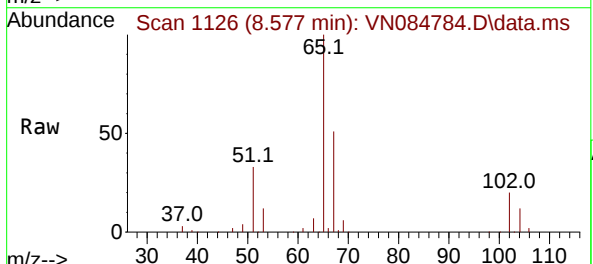
Acq: 11 Nov 2024 20:06

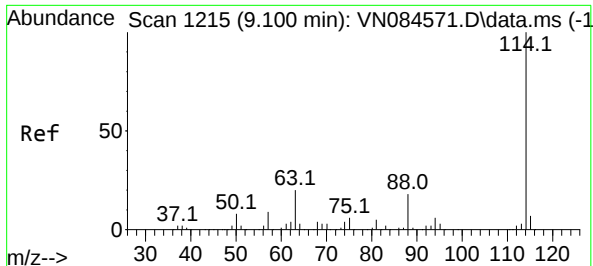
Tgt Ion: 65 Resp: 126246

Ion Ratio Lower Upper

65 100

67 50.6 0.0 102.0

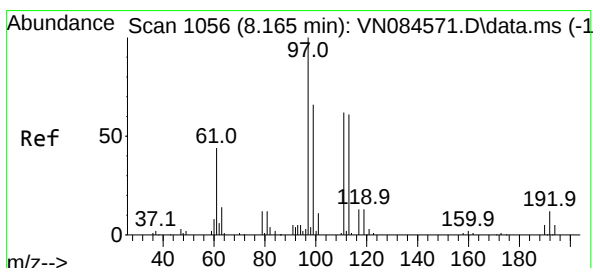
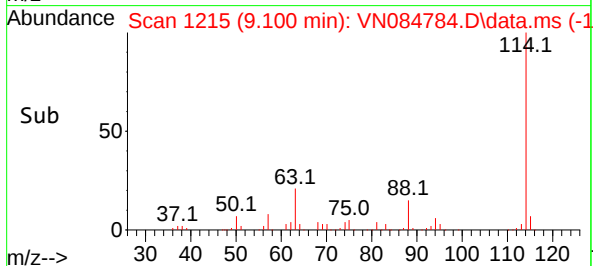
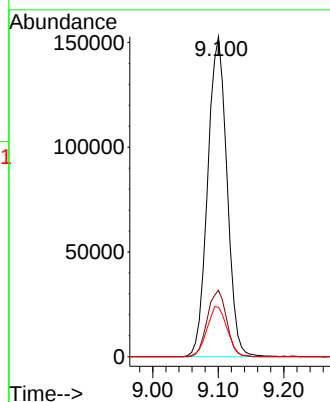
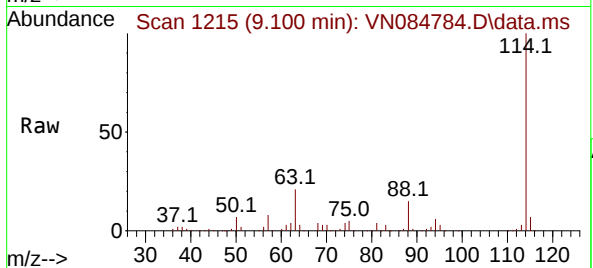




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084784.D
Acq: 11 Nov 2024 20:06

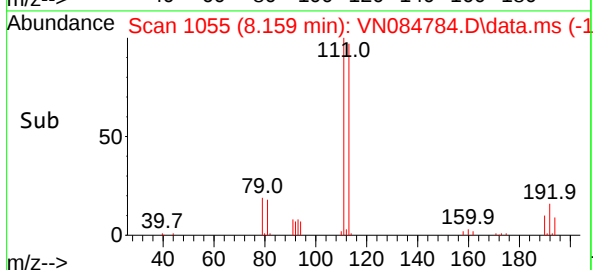
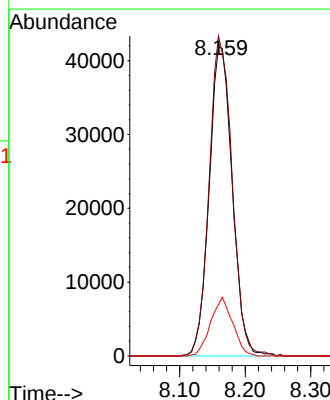
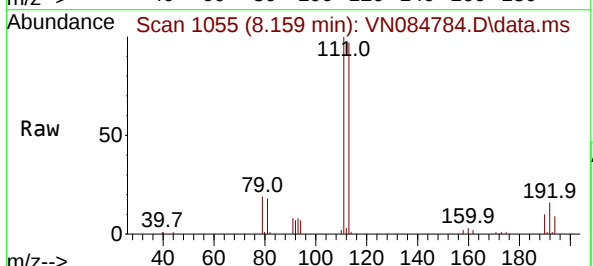
Instrument :
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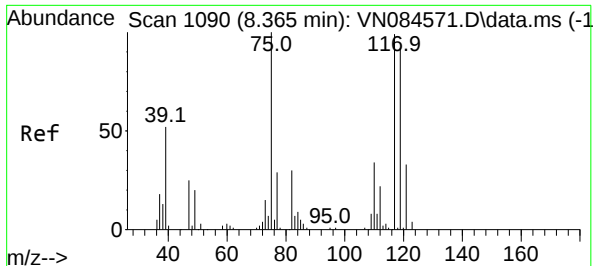
Tgt Ion:114 Resp: 312230
Ion Ratio Lower Upper
114 100
63 20.8 0.0 43.8
88 15.5 0.0 31.6



#35
Dibromofluoromethane
Concen: 48.577 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN084784.D
Acq: 11 Nov 2024 20:06

Tgt Ion:113 Resp: 102663
Ion Ratio Lower Upper
113 100
111 102.6 83.3 124.9
192 18.2 13.5 20.3





#36

1,1-Dichloropropene

Concen: 5.049 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN084784.D

Acq: 11 Nov 2024 20:06

Instrument :

MSVOA_N

ClientSampleId :

MH-6

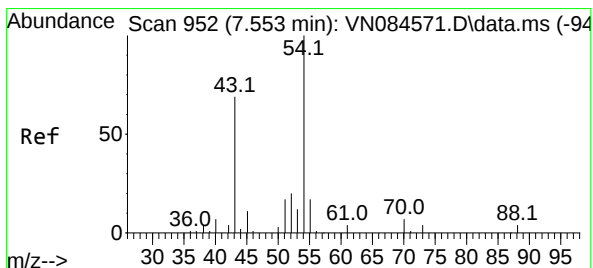
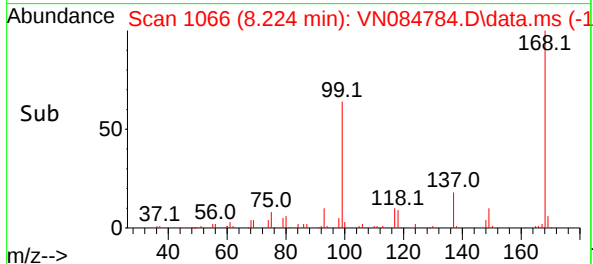
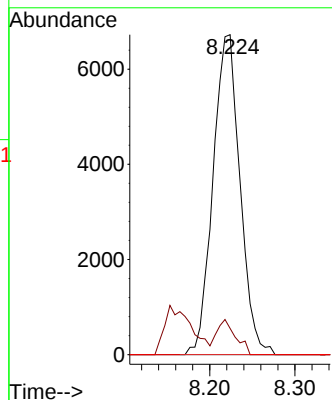
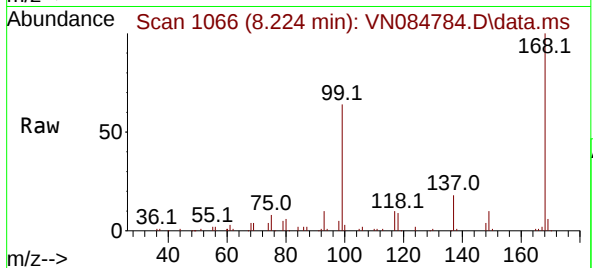
Tgt Ion: 75 Resp: 14800

Ion Ratio Lower Upper

75 100

110 7.7 16.9 50.7#

77 0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 0.947 ug/l

RT: 7.553 min Scan# 952

Delta R.T. -0.006 min

Lab File: VN084784.D

Acq: 11 Nov 2024 20:06

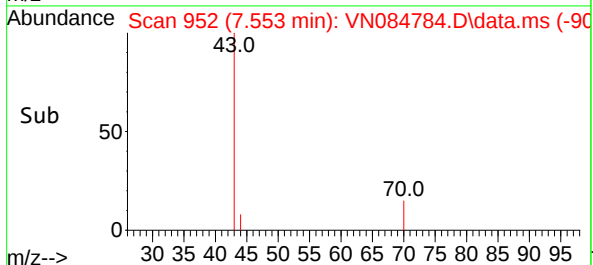
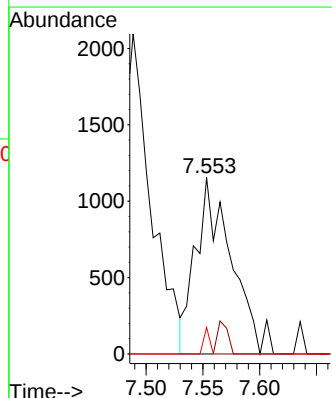
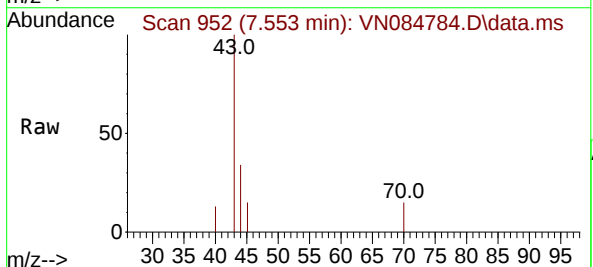
Tgt Ion: 43 Resp: 2518

Ion Ratio Lower Upper

43 100

61 5.4 10.7 16.1#

70 2.4 8.8 13.2#

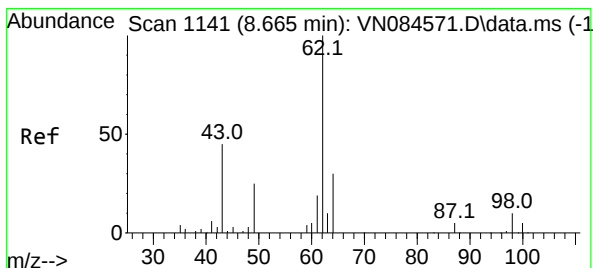
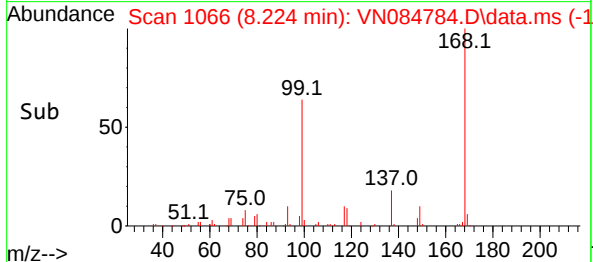
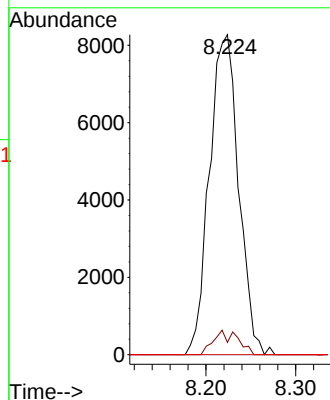
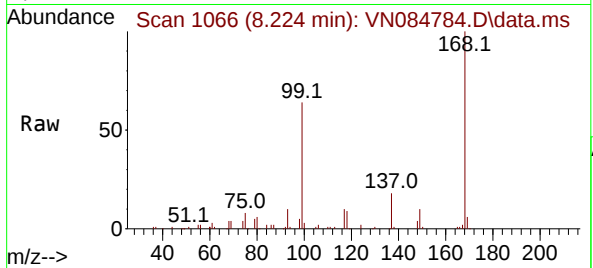




#38
Carbon Tetrachloride
Concen: 5.711 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN084784.D
Acq: 11 Nov 2024 20:06

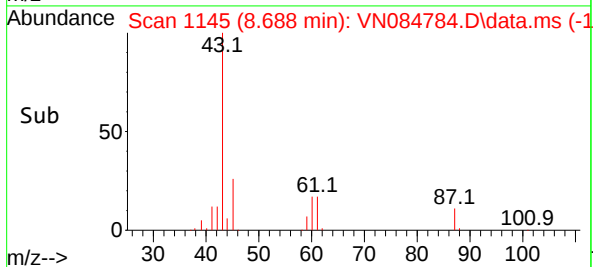
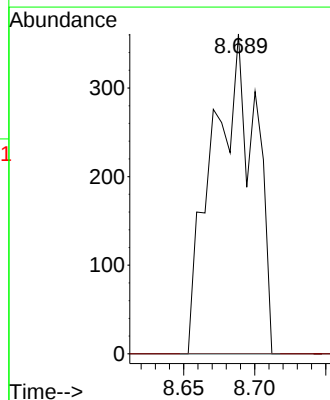
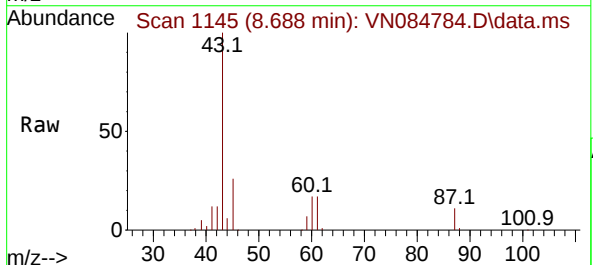
Instrument :
MSVOA_N
ClientSampleId :
MH-6

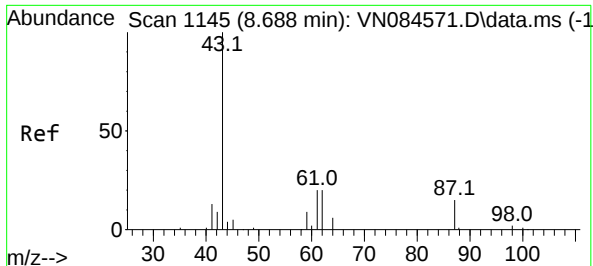
Tgt Ion:117 Resp: 18710
Ion Ratio Lower Upper
117 100
119 3.9 78.7 118.1#
121 0.0 24.4 36.6#



#42
1,2-Dichloroethane
Concen: 0.249 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.018 min
Lab File: VN084784.D
Acq: 11 Nov 2024 20:06

Tgt Ion: 62 Resp: 758
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2

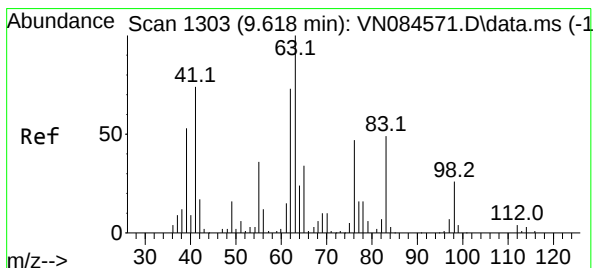
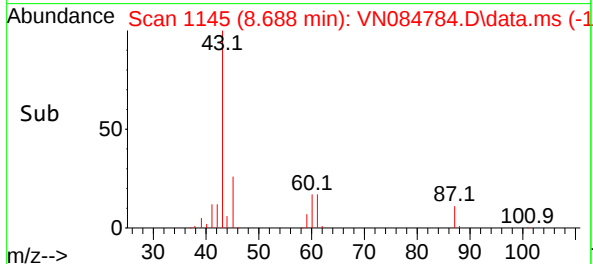
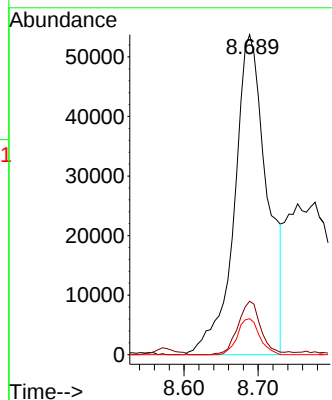
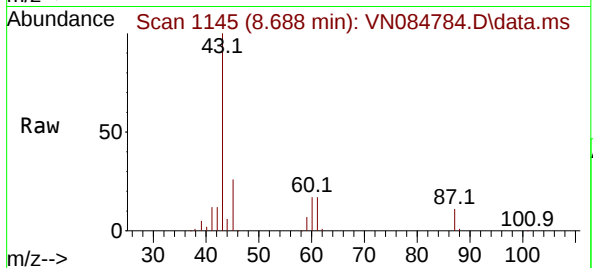




#43
Isopropyl Acetate
Concen: 33.194 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084784.D
Acq: 11 Nov 2024 20:06

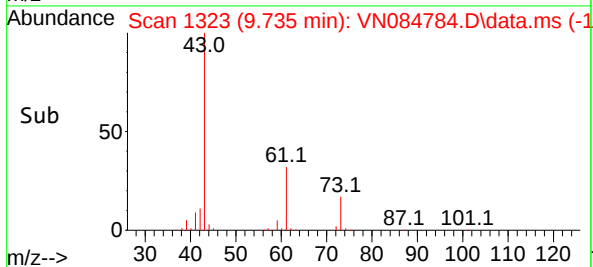
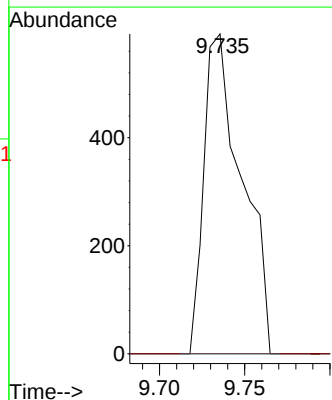
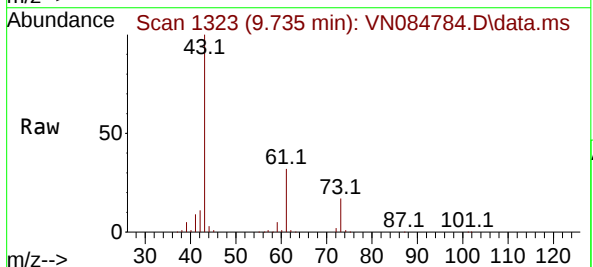
Instrument :
MSVOA_N
ClientSampleId :
MH-6

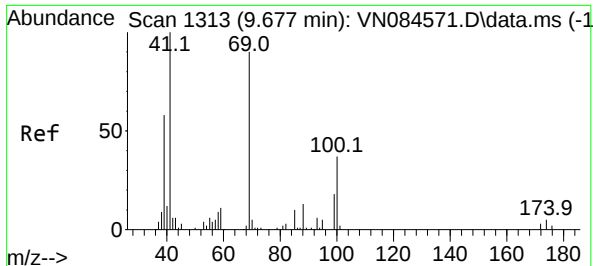
Tgt Ion: 43 Resp: 164671
Ion Ratio Lower Upper
43 100
61 11.7 20.4 30.6#
87 7.6 10.3 15.5#



#45
1,2-Dichloropropane
Concen: 0.418 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.117 min
Lab File: VN084784.D
Acq: 11 Nov 2024 20:06

Tgt Ion: 63 Resp: 923
Ion Ratio Lower Upper
63 100
65 0.0 24.6 37.0#





#48

Methyl methacrylate

Concen: 1.119 ug/l

RT: 9.665 min Scan# 1

Delta R.T. -0.012 min

Lab File: VN084784.D

Acq: 11 Nov 2024 20:06

Instrument :

MSVOA_N

ClientSampleId :

MH-6

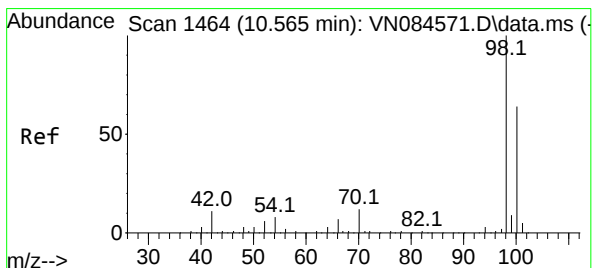
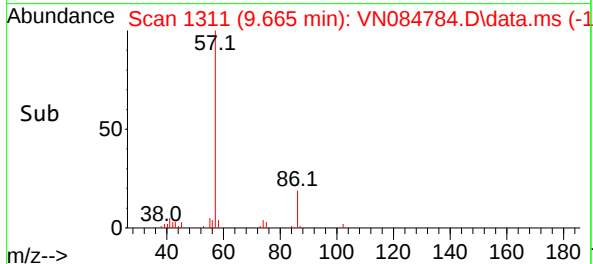
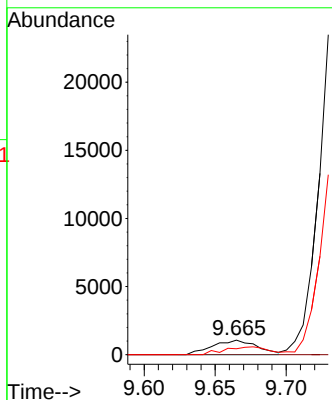
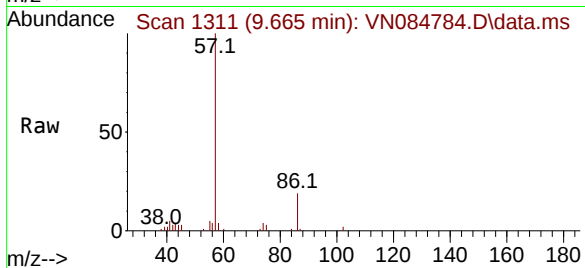
Tgt Ion: 41 Resp: 2315

Ion Ratio Lower Upper

41 100

69 0.0 67.1 100.7#

39 52.4 45.8 68.6



#50

Toluene-d8

Concen: 47.006 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084784.D

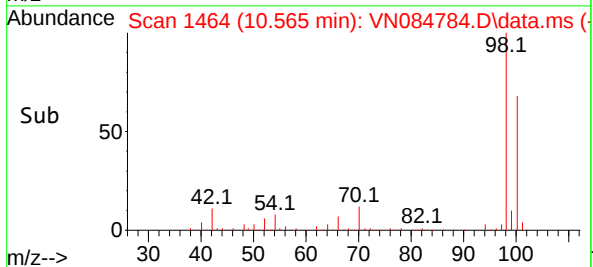
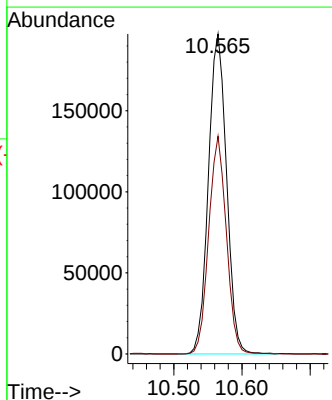
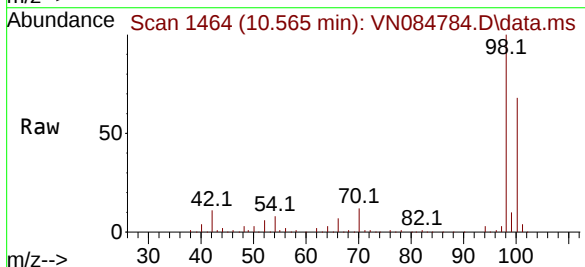
Acq: 11 Nov 2024 20:06

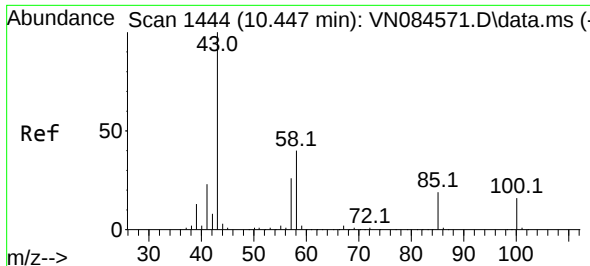
Tgt Ion: 98 Resp: 365951

Ion Ratio Lower Upper

98 100

100 66.2 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 2.823 ug/l

RT: 10.453 min Scan# 1444

Delta R.T. 0.012 min

Lab File: VN084784.D

Acq: 11 Nov 2024 20:06

Instrument :

MSVOA_N

ClientSampleId :

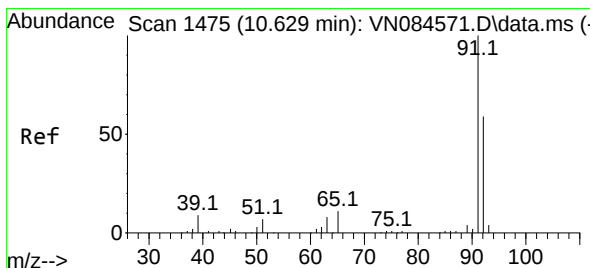
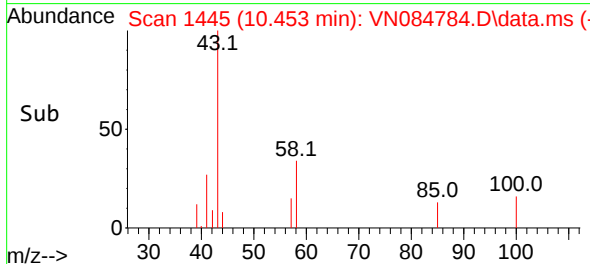
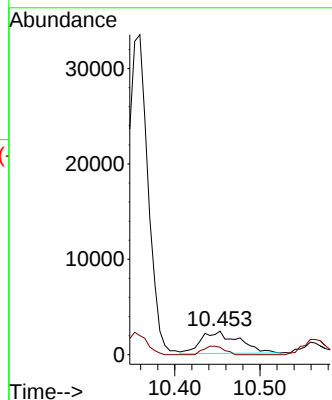
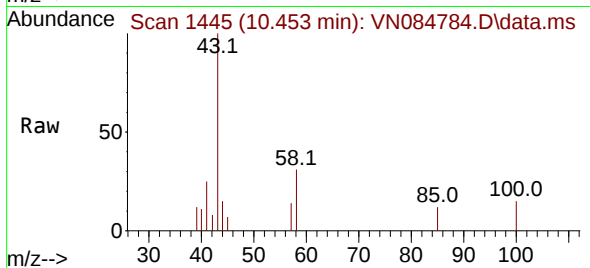
MH-6

Tgt Ion: 43 Resp: 7157

Ion Ratio Lower Upper

43 100

58 21.3 31.6 47.4#



#52

Toluene

Concen: 0.375 ug/l

RT: 10.630 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VN084784.D

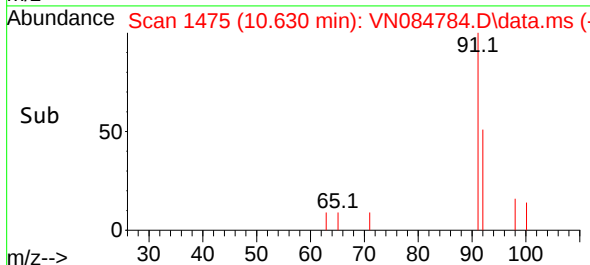
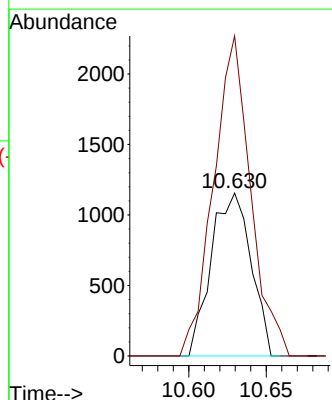
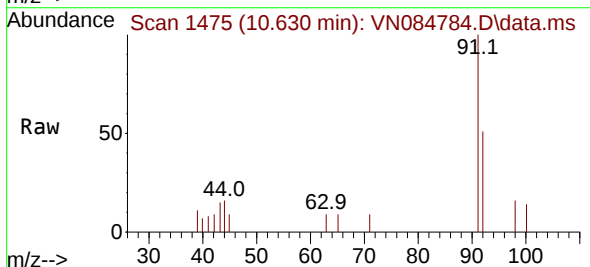
Acq: 11 Nov 2024 20:06

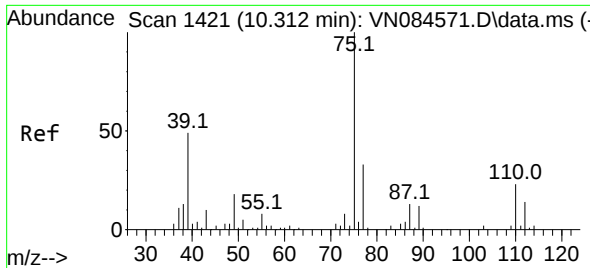
Tgt Ion: 92 Resp: 2065

Ion Ratio Lower Upper

92 100

91 182.5 137.3 205.9

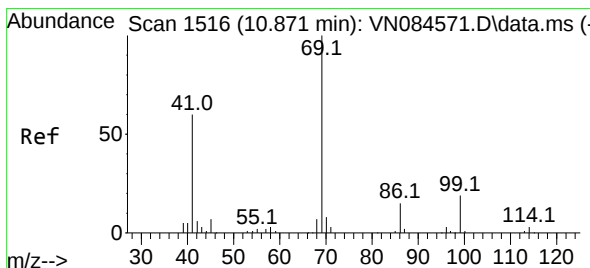
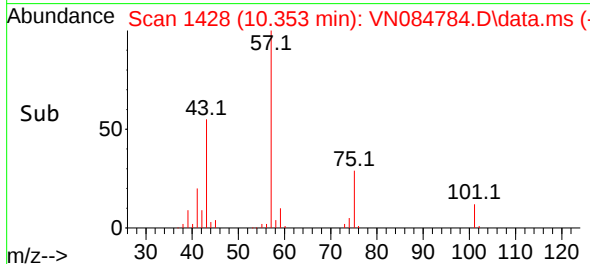
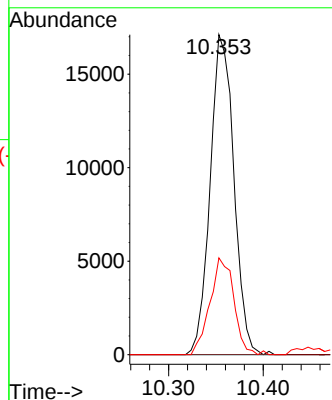
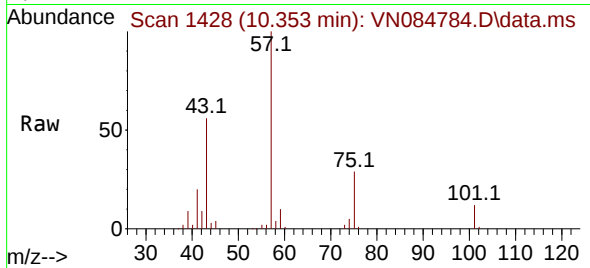




#54
 cis-1,3-Dichloropropene
 Concen: 8.281 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.041 min
 Lab File: VN084784.D
 Acq: 11 Nov 2024 20:06

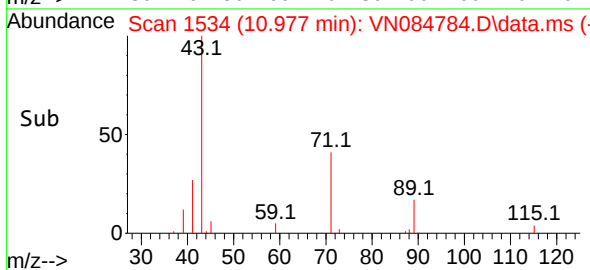
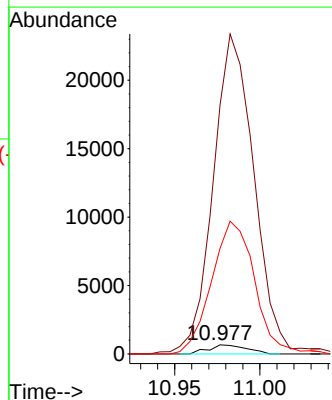
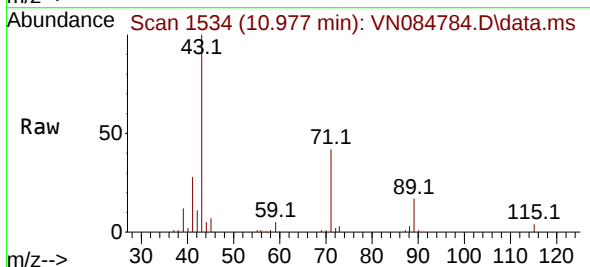
Instrument :
 MSVOA_N
 ClientSampleId :
 MH-6

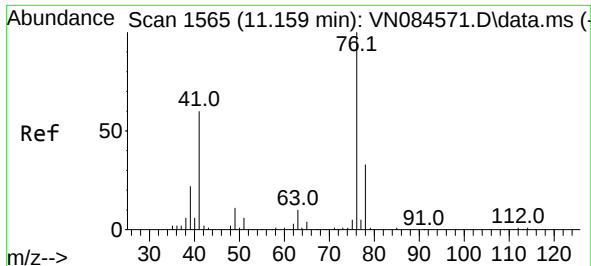
Tgt Ion: 75 Resp: 29796
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.2 36.2#
 39 30.3 38.7 58.1#



#56
 Ethyl methacrylate
 Concen: 0.344 ug/l
 RT: 10.977 min Scan# 1534
 Delta R.T. 0.106 min
 Lab File: VN084784.D
 Acq: 11 Nov 2024 20:06

Tgt Ion: 69 Resp: 1033
 Ion Ratio Lower Upper
 69 100
 41 3794.8 53.3 79.9#
 39 1653.0 28.8 43.2#





#57

1,3-Dichloropropane

Concen: 1.012 ug/l

RT: 11.200 min Scan# 1567

Delta R.T. 0.041 min

Lab File: VN084784.D

Acq: 11 Nov 2024 20:06

Instrument :

MSVOA_N

ClientSampleId :

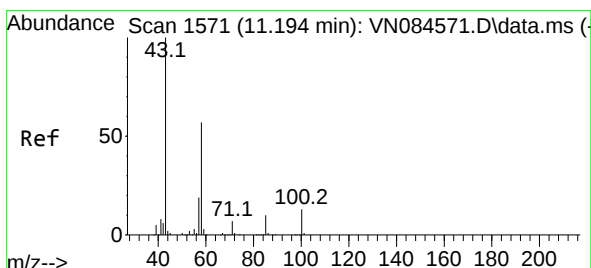
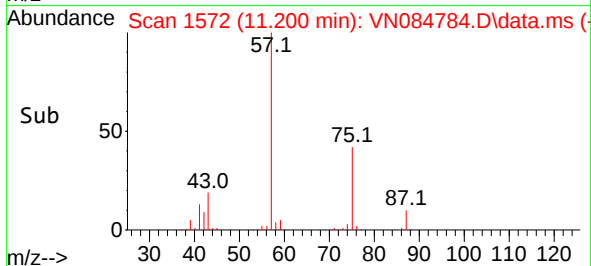
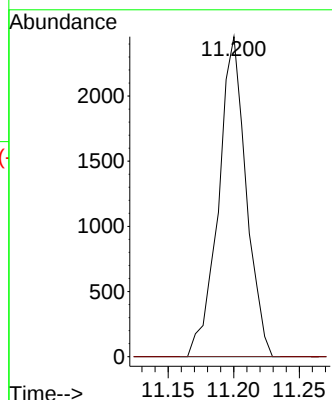
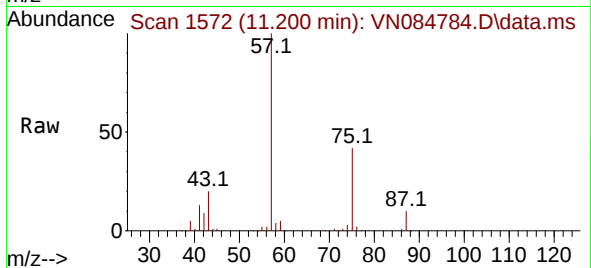
MH-6

Tgt Ion: 76 Resp: 3600

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 38.033 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.023 min

Lab File: VN084784.D

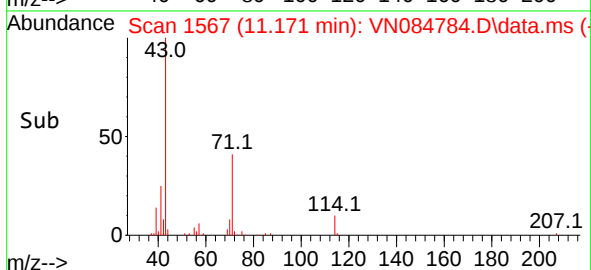
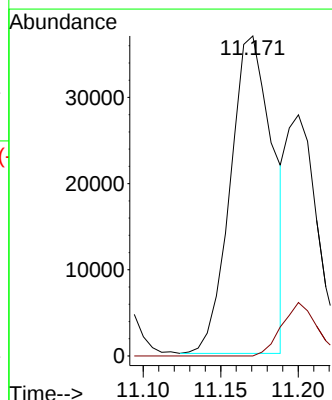
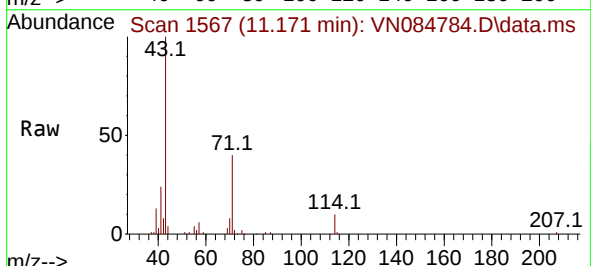
Acq: 11 Nov 2024 20:06

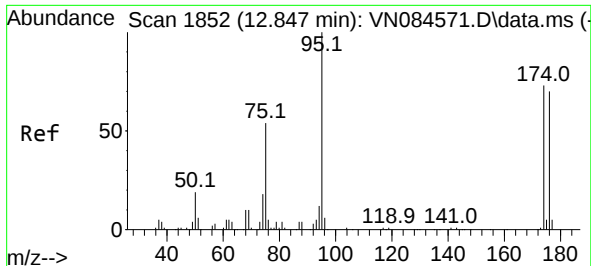
Tgt Ion: 43 Resp: 70182

Ion Ratio Lower Upper

43 100

58 0.0 27.3 81.8#

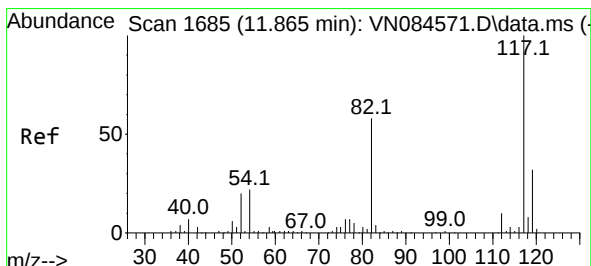
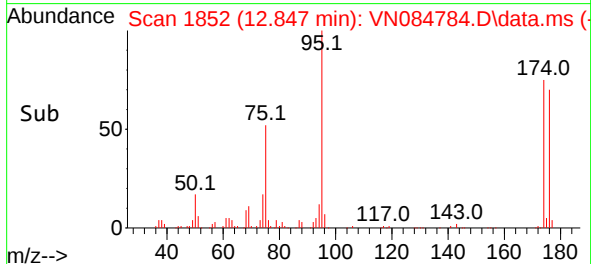
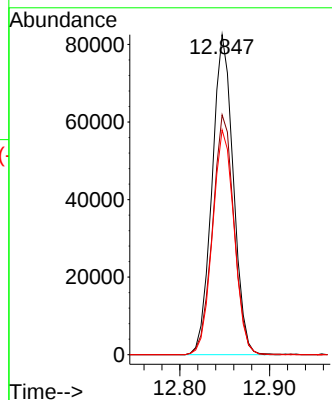
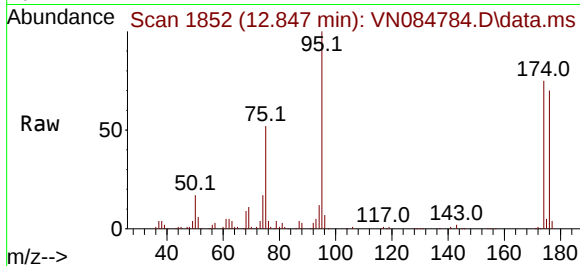




#62
4-Bromofluorobenzene
Concen: 46.591 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084784.D
Acq: 11 Nov 2024 20:06

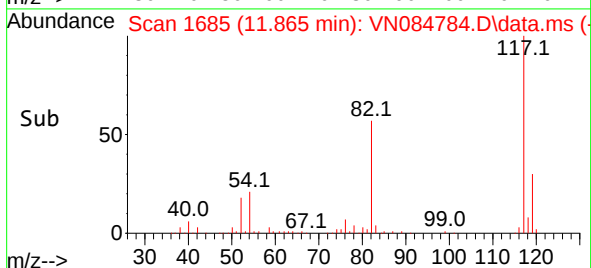
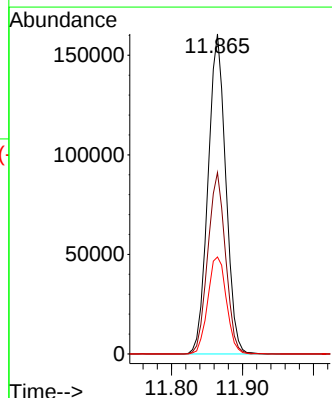
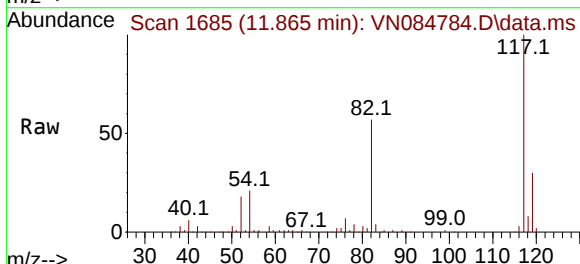
Instrument :
MSVOA_N
ClientSampleId :
MH-6

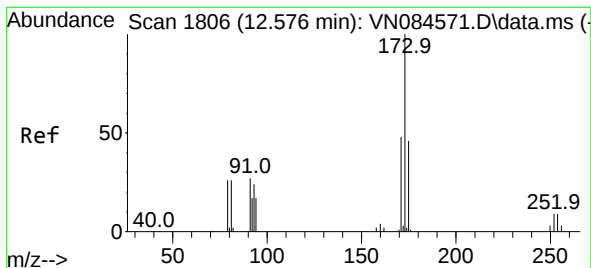
Tgt Ion: 95 Resp: 135559
Ion Ratio Lower Upper
95 100
174 75.7 0.0 145.2
176 71.5 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084784.D
Acq: 11 Nov 2024 20:06

Tgt Ion: 117 Resp: 278937
Ion Ratio Lower Upper
117 100
82 56.7 47.2 70.8
119 30.3 25.4 38.0





#71

Bromoform

Concen: 0.316 ug/l

RT: 12.835 min Scan# 1806

Delta R.T. 0.259 min

Lab File: VN084784.D

Acq: 11 Nov 2024 20:06

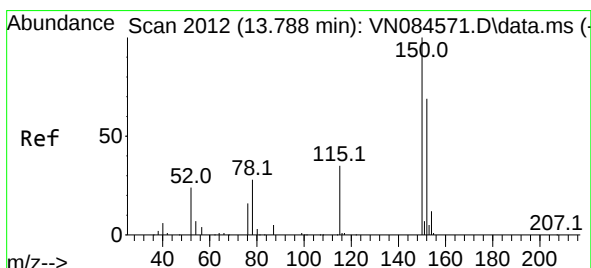
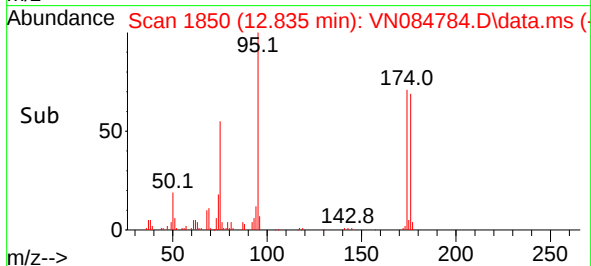
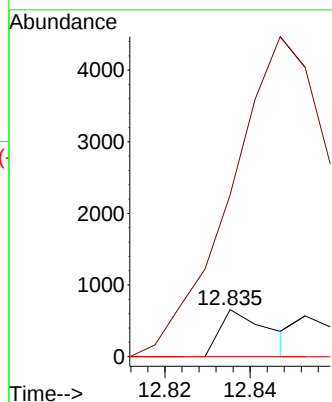
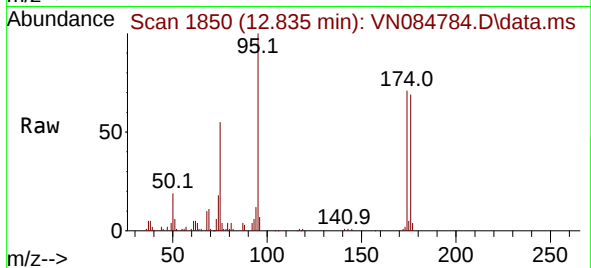
Instrument :

MSVOA_N

ClientSampleId :

MH-6

Tgt Ion:	173	Resp:	516
Ion Ratio	Lower	Upper	
173	100		
175	1125.0	23.5	70.6#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

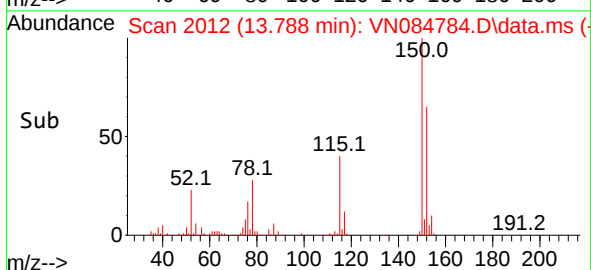
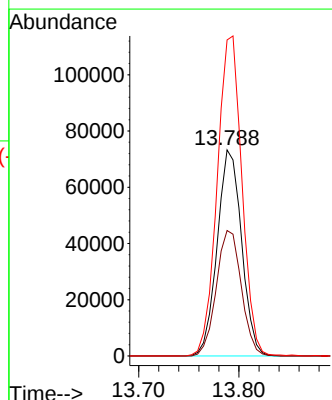
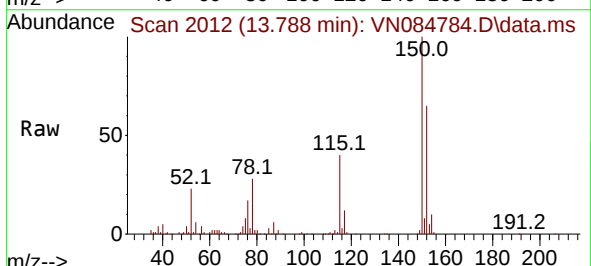
RT: 13.788 min Scan# 2012

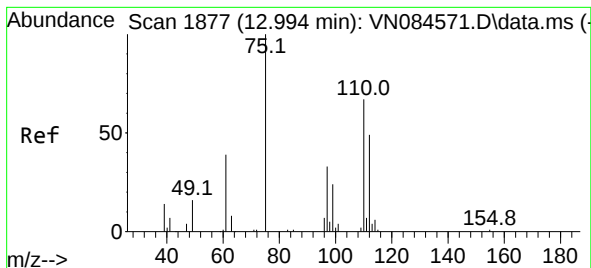
Delta R.T. 0.000 min

Lab File: VN084784.D

Acq: 11 Nov 2024 20:06

Tgt Ion:	152	Resp:	123856
Ion Ratio	Lower	Upper	
152	100		
115	62.3	31.3	93.9
150	157.3	0.0	349.8





#76

1,2,3-Trichloropropane

Concen: 28.770 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN084784.D

Acq: 11 Nov 2024 20:06

Instrument :

MSVOA_N

ClientSampleId :

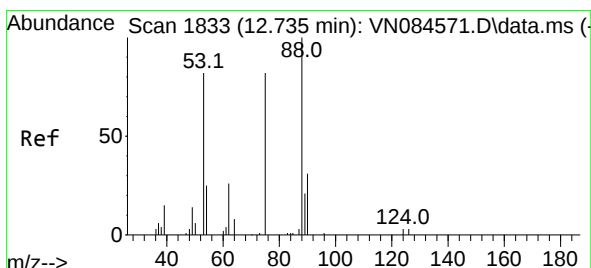
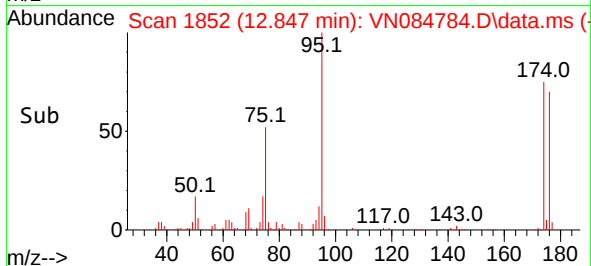
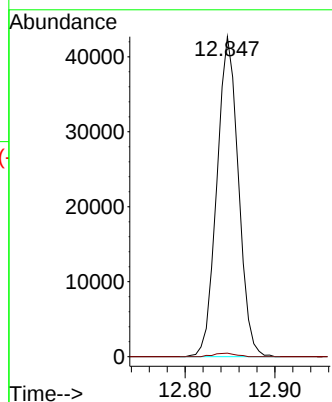
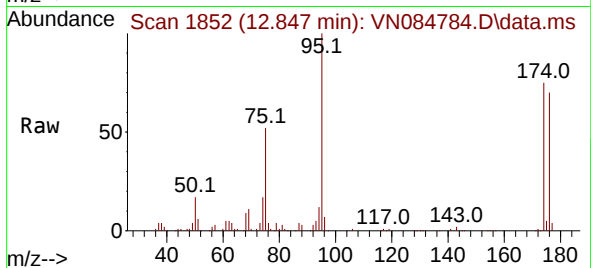
MH-6

Tgt Ion: 75 Resp: 71229

Ion Ratio Lower Upper

75 100

77 1.1 96.9 290.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 68.254 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN084784.D

Acq: 11 Nov 2024 20:06

Tgt Ion: 75 Resp: 71229

Ion Ratio Lower Upper

75 100

53 0.1 78.0 117.0#

89 0.0 35.5 53.3#

