

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
 Data File : VN084979.D
 Acq On : 20 Nov 2024 19:22
 Operator : JC\MD
 Sample : P4925-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MH-741

Quant Time: Nov 21 00:46:24 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)

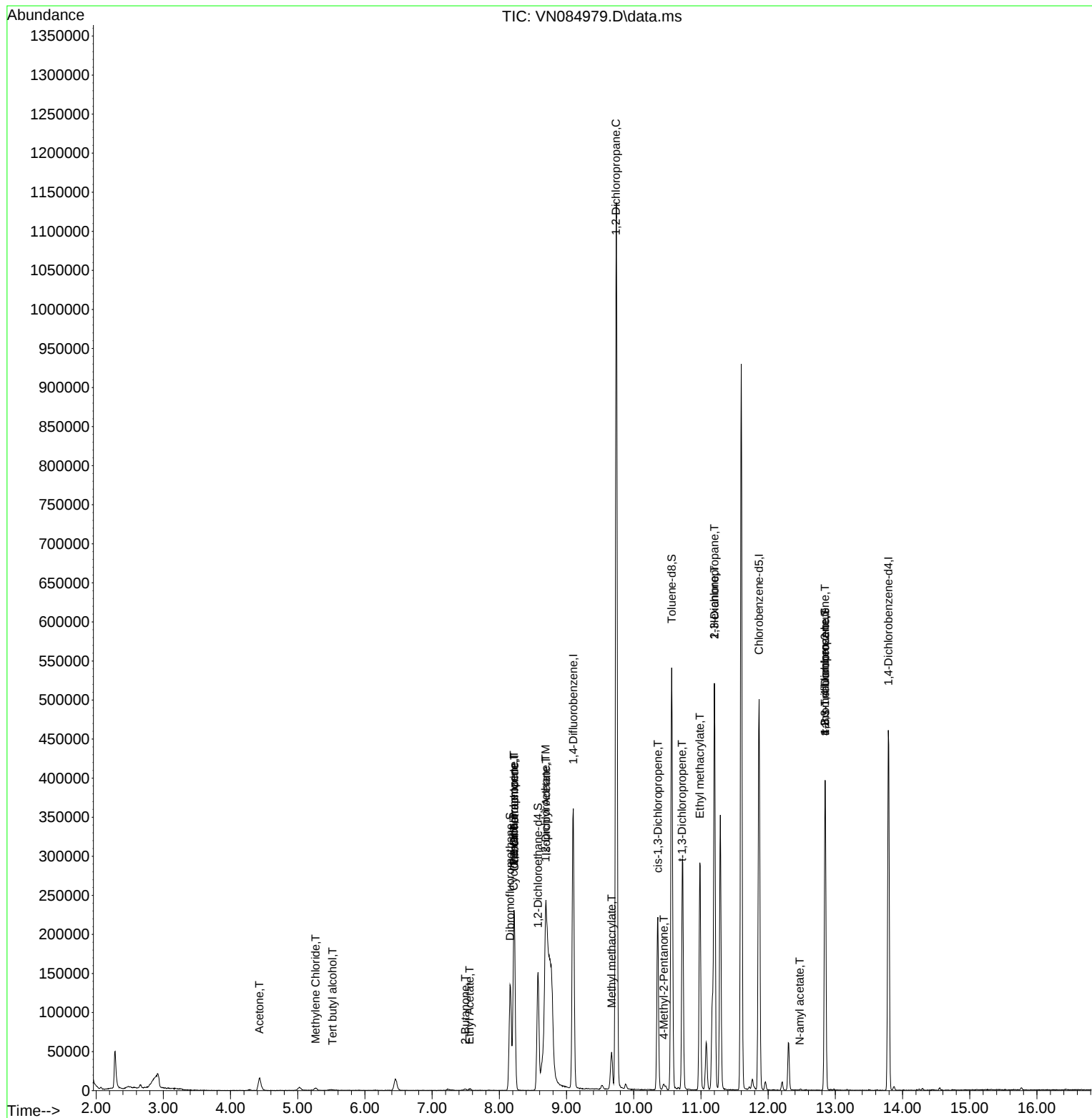
Internal Standards						
1) Pentafluorobenzene	8.218	168	163448	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	307088	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	282958	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	124904	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	126255	53.481	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.960%			
35) Dibromofluoromethane	8.159	113	97960	47.128	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.260%			
50) Toluene-d8	10.565	98	366289	47.837	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.680%			
62) 4-Bromofluorobenzene	12.847	95	141159	49.328	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.660%			
Target Compounds						Qvalue
3) Chloromethane	2.354	50	592	Below Cal	#	41
6) Chloroethane	3.060	64	233	Below Cal	#	45
11) Tert butyl alcohol	5.518	59	164	0.526	ug/l #	73
16) Acetone	4.430	43	30263	42.005	ug/l	99
18) Methyl Acetate	5.024	43	8503	Below Cal		96
20) Methylene Chloride	5.265	84	2214	1.066	ug/l #	56
25) 2-Butanone	7.495	43	3174	2.882	ug/l #	81
31) Cyclohexane	8.212	56	3807	1.168	ug/l #	17
36) 1,1-Dichloropropene	8.218	75	14015	4.862	ug/l #	50
37) Ethyl Acetate	7.559	43	3039	1.162	ug/l #	80
38) Carbon Tetrachloride	8.224	117	17443	5.413	ug/l #	14
42) 1,2-Dichloroethane	8.689	62	1313	0.438	ug/l #	75
43) Isopropyl Acetate	8.695	43	617075	129.236	ug/l #	64
45) 1,2-Dichloropropane	9.736	63	1310	0.603	ug/l #	44
48) Methyl methacrylate	9.671	41	3202	1.573	ug/l #	13
51) 4-Methyl-2-Pentanone	10.447	43	8918	3.577	ug/l #	68
53) t-1,3-Dichloropropene	10.718	75	810	0.242	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	39847	11.260	ug/l #	63
56) Ethyl methacrylate	10.983	69	1579	0.535	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5926	1.693	ug/l #	42
59) 2-Hexanone	11.200	43	61511	33.892	ug/l #	55
74) N-amyl acetate	12.471	43	1443	0.387	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	72840	29.174	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	72840	69.212	ug/l #	11
88) 1,4-Dichlorobenzene	13.800	146	57	Below Cal	#	1

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

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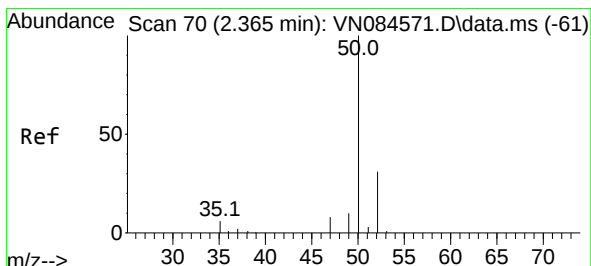
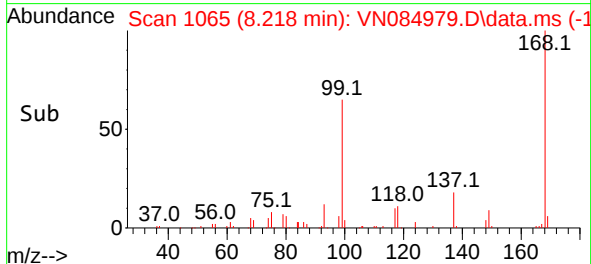
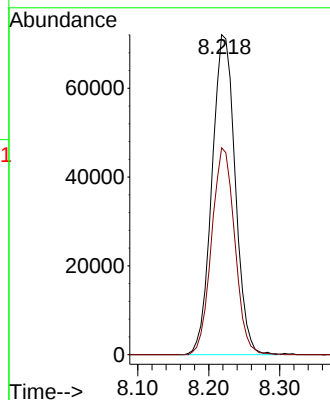
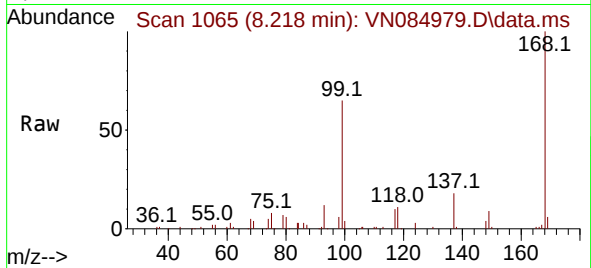




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084979.D
Acq: 20 Nov 2024 19:22

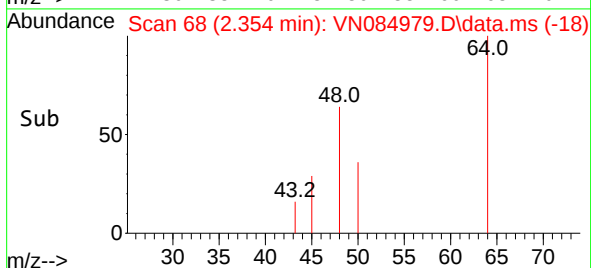
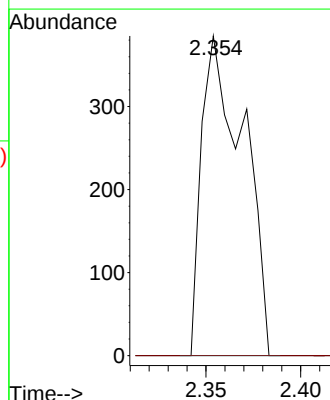
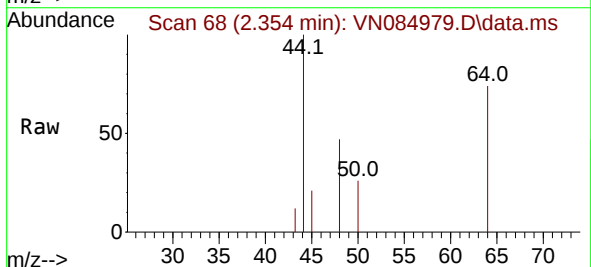
Instrument :
MSVOA_N
ClientSampleId :
MH-741

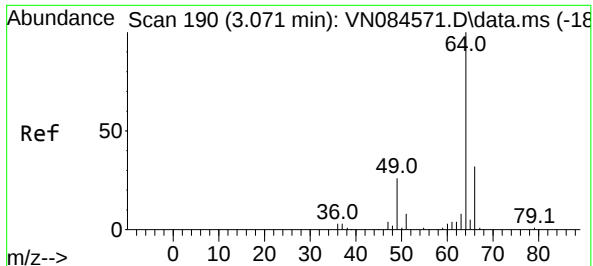
Tgt Ion:168 Resp: 163448
Ion Ratio Lower Upper
168 100
99 64.7 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.354 min Scan# 68
Delta R.T. -0.005 min
Lab File: VN084979.D
Acq: 20 Nov 2024 19:22

Tgt Ion: 50 Resp: 592
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

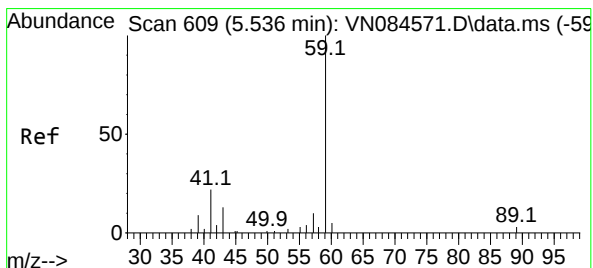
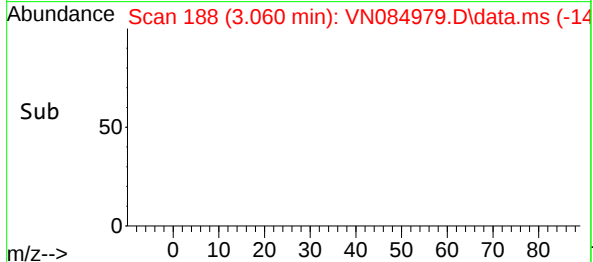
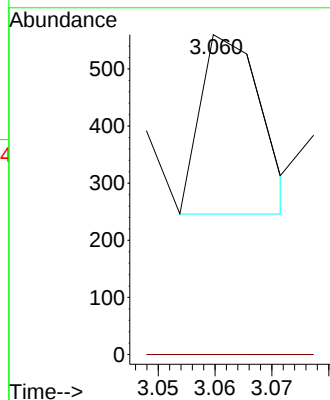
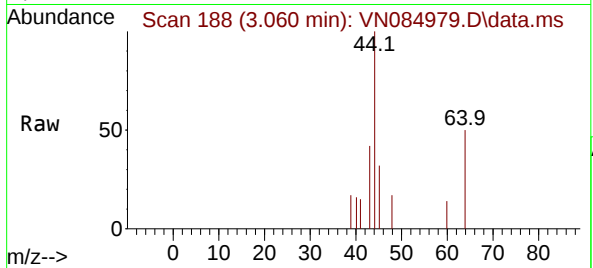




#6
Chloroethane
Concen: Below Cal
RT: 3.060 min Scan# 11
Delta R.T. -0.058 min
Lab File: VN084979.D
Acq: 20 Nov 2024 19:22

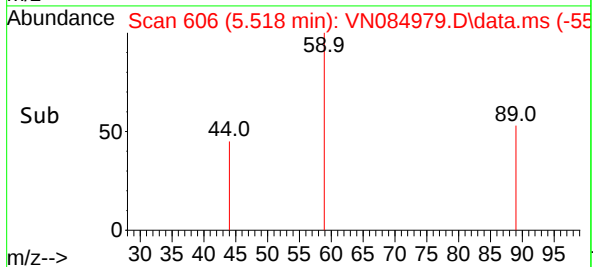
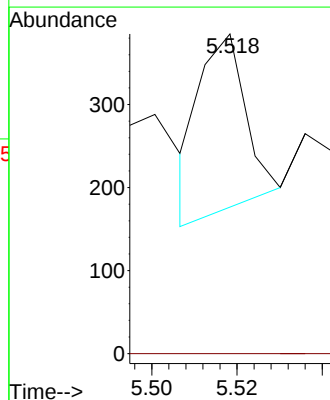
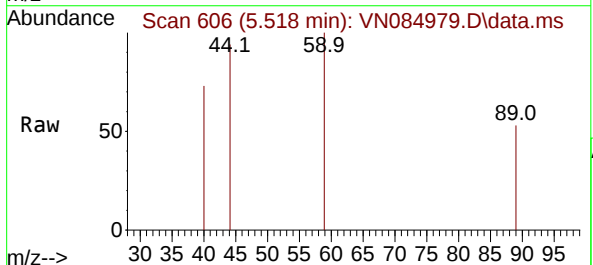
Instrument :
MSVOA_N
ClientSampleId :
MH-741

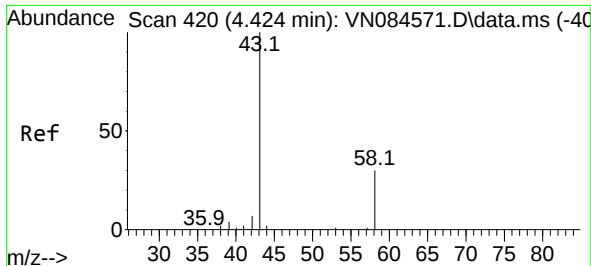
Tgt Ion: 64 Resp: 233
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 0.526 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.006 min
Lab File: VN084979.D
Acq: 20 Nov 2024 19:22

Tgt Ion: 59 Resp: 164
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#16

Acetone

Concen: 42.005 ug/l

RT: 4.430 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN084979.D

Acq: 20 Nov 2024 19:22

Instrument :

MSVOA_N

ClientSampleId :

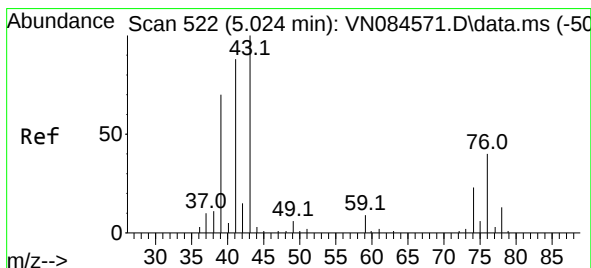
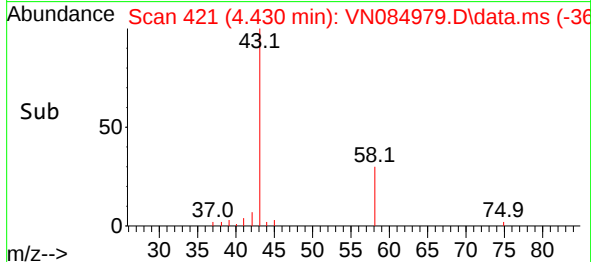
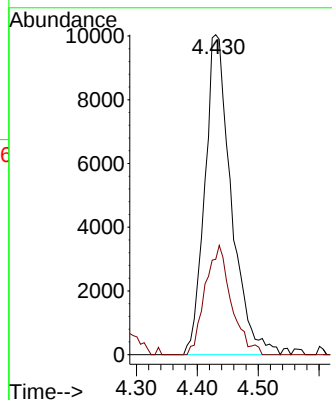
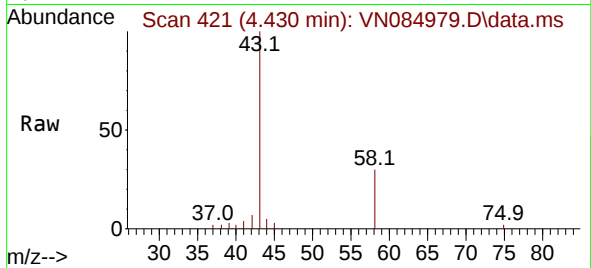
MH-741

Tgt Ion: 43 Resp: 30263

Ion Ratio Lower Upper

43 100

58 29.8 24.4 36.6



#18

Methyl Acetate

Concen: Below Cal

RT: 5.024 min Scan# 522

Delta R.T. 0.006 min

Lab File: VN084979.D

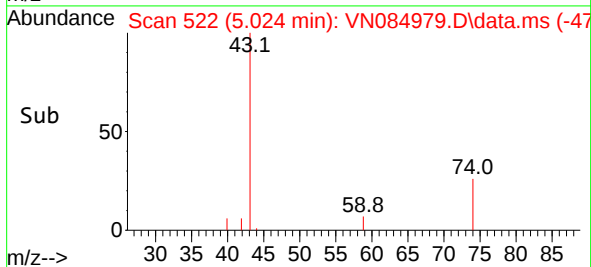
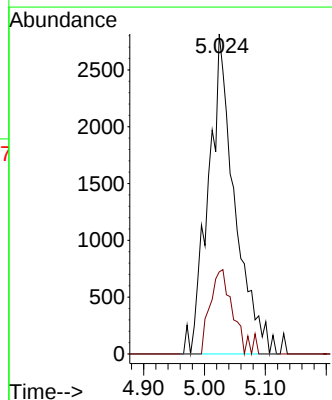
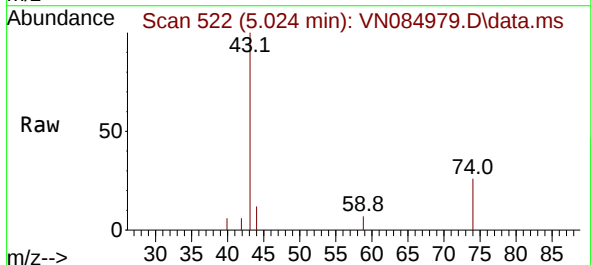
Acq: 20 Nov 2024 19:22

Tgt Ion: 43 Resp: 8503

Ion Ratio Lower Upper

43 100

74 22.1 19.2 28.8

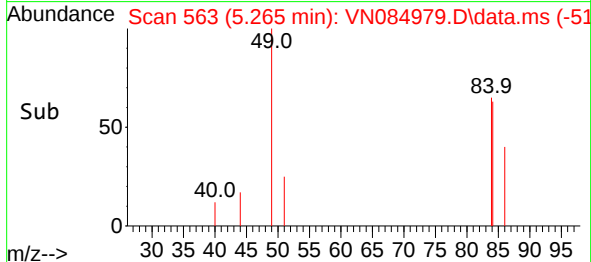
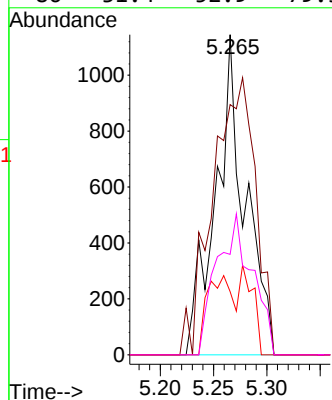
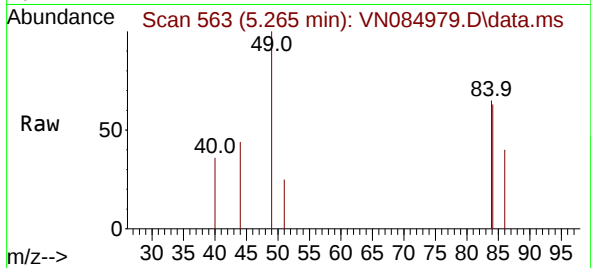




#20
Methylene Chloride
Concen: 1.066 ug/l
RT: 5.265 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN084979.D
Acq: 20 Nov 2024 19:22

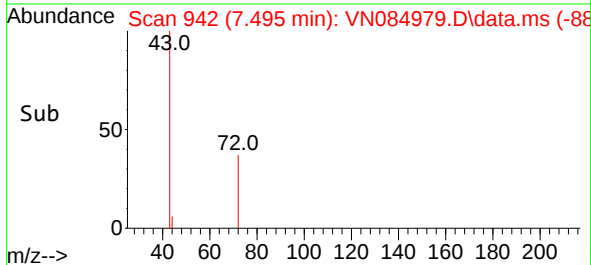
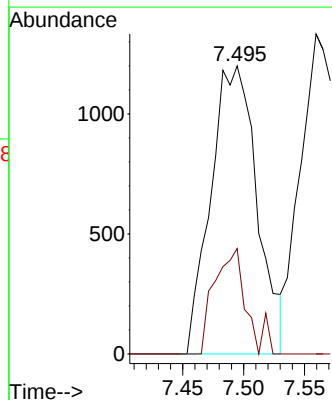
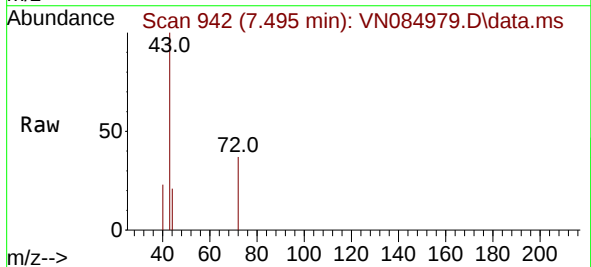
Instrument :
MSVOA_N
ClientSampleId :
MH-741

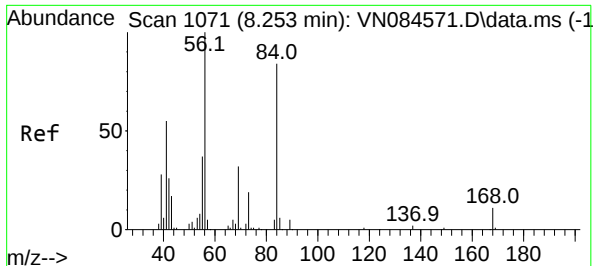
Tgt Ion: 84	Resp: 2214
Ion Ratio	Lower Upper
84 100	
49 78.2	107.2 160.8#
51 19.7	31.8 47.8#
86 31.4	52.9 79.3#



#25
2-Butanone
Concen: 2.882 ug/l
RT: 7.495 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN084979.D
Acq: 20 Nov 2024 19:22

Tgt Ion: 43	Resp: 3174		
Ion Ratio	Lower	Upper	
43 100			
72 36.6	21.4	32.2#	

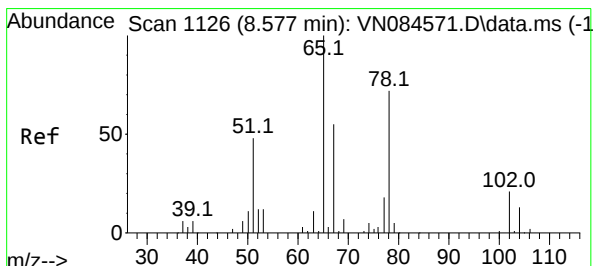
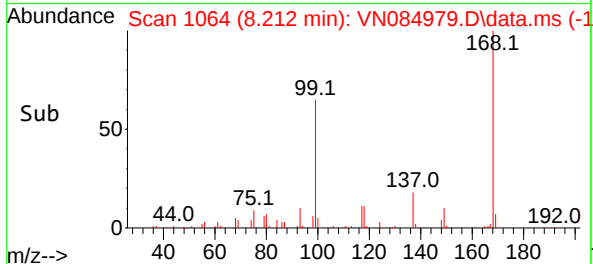
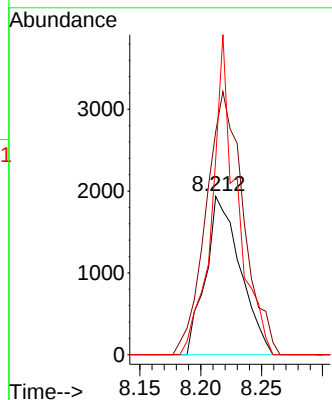
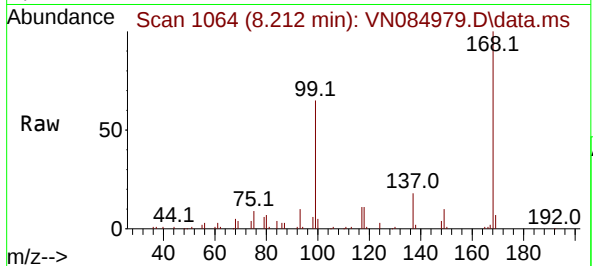




#31
Cyclohexane
Concen: 1.168 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.041 min
Lab File: VN084979.D
Acq: 20 Nov 2024 19:22

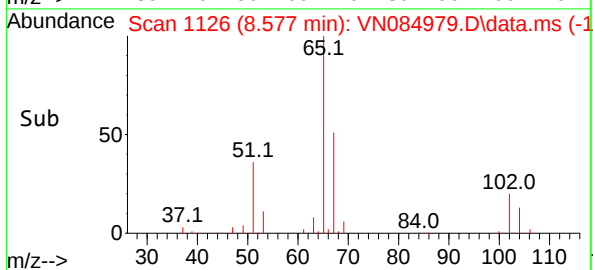
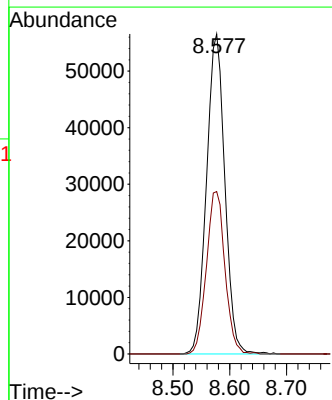
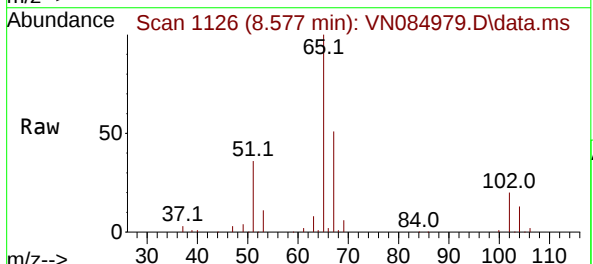
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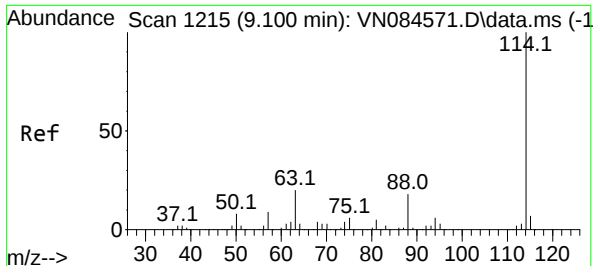
Tgt Ion: 56 Resp: 3807
Ion Ratio Lower Upper
56 100
69 141.0 23.8 35.6#
84 123.7 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 53.481 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084979.D
Acq: 20 Nov 2024 19:22

Tgt Ion: 65 Resp: 126255
Ion Ratio Lower Upper
65 100
67 51.3 0.0 102.0

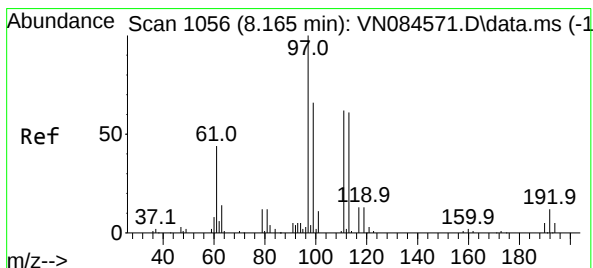
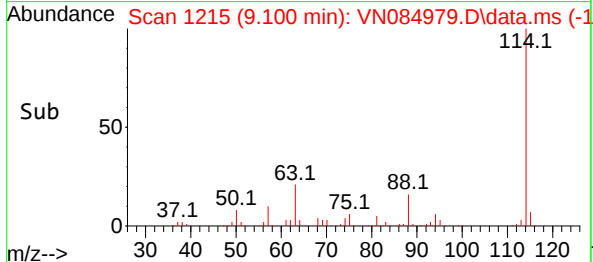
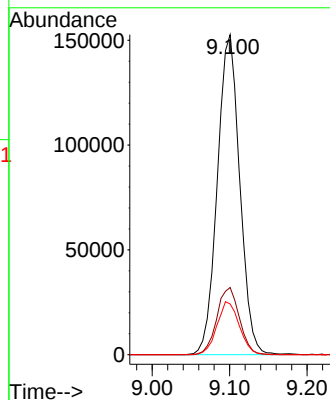
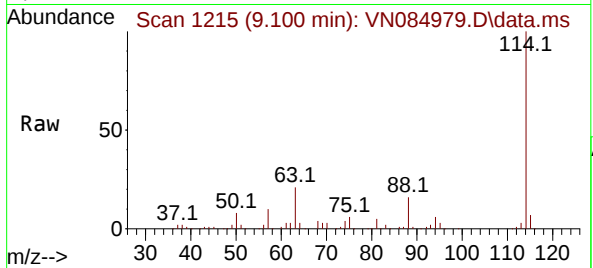




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084979.D
Acq: 20 Nov 2024 19:22

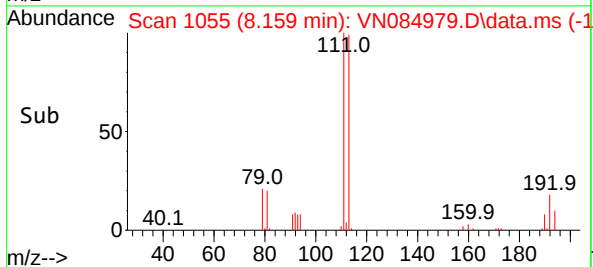
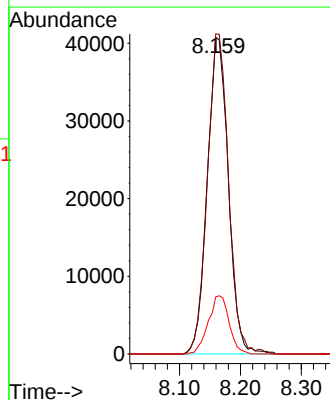
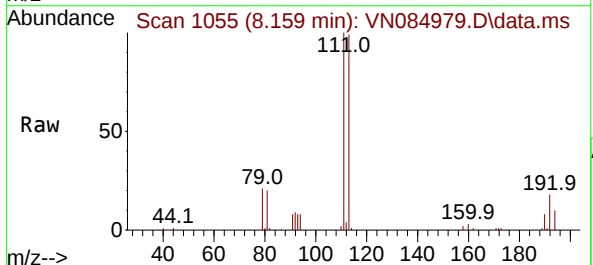
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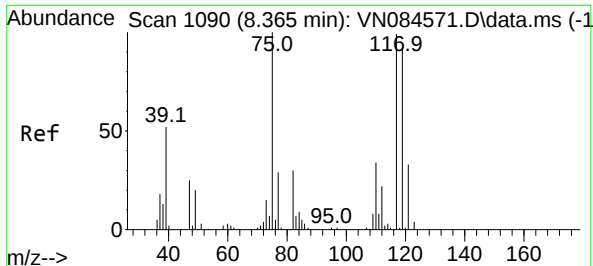
Tgt Ion:114 Resp: 307088
Ion Ratio Lower Upper
114 100
63 21.0 0.0 43.8
88 15.9 0.0 31.6



#35
Dibromofluoromethane
Concen: 47.128 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN084979.D
Acq: 20 Nov 2024 19:22

Tgt Ion:113 Resp: 97960
Ion Ratio Lower Upper
113 100
111 101.7 83.3 124.9
192 18.2 13.5 20.3





#36

1,1-Dichloropropene

Concen: 4.862 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN084979.D

Acq: 20 Nov 2024 19:22

Instrument :

MSVOA_N

ClientSampleId :

MH-741

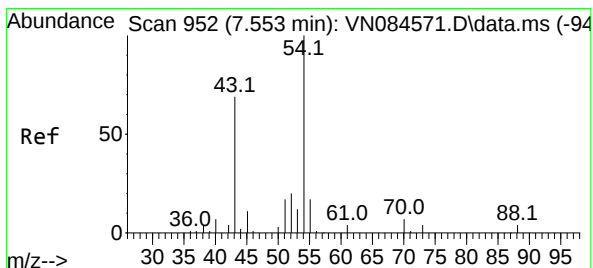
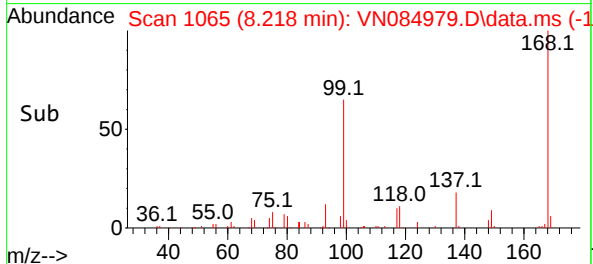
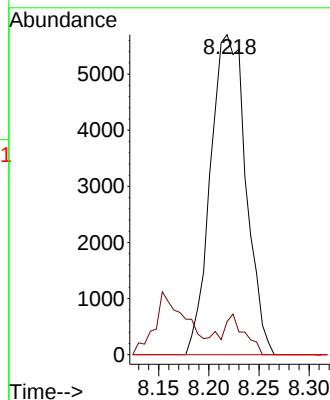
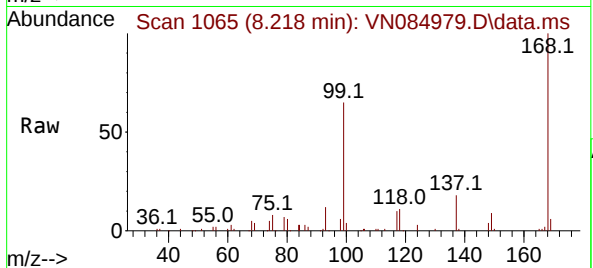
Tgt Ion: 75 Resp: 14015

Ion Ratio Lower Upper

75 100

110 8.3 16.9 50.7#

77 0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 1.162 ug/l

RT: 7.559 min Scan# 953

Delta R.T. 0.000 min

Lab File: VN084979.D

Acq: 20 Nov 2024 19:22

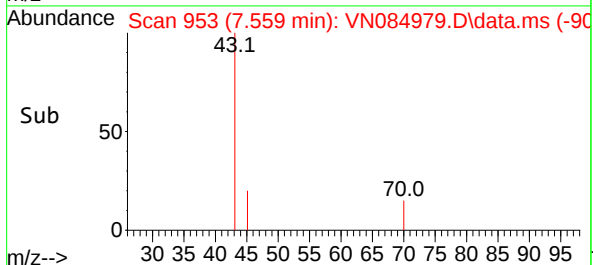
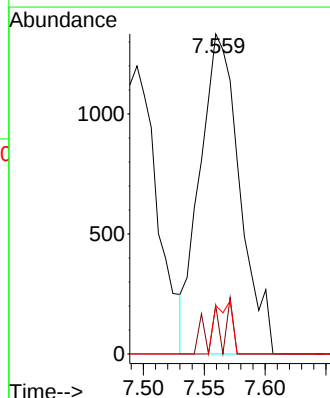
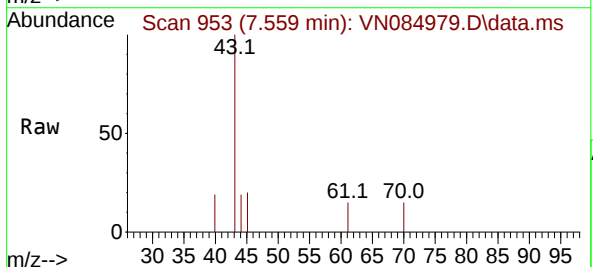
Tgt Ion: 43 Resp: 3039

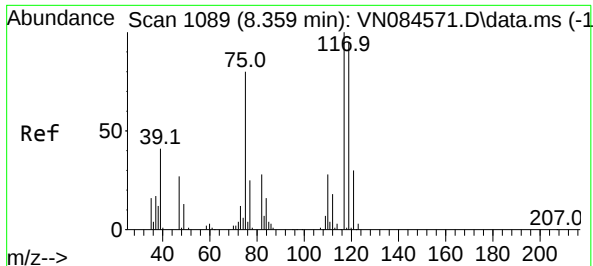
Ion Ratio Lower Upper

43 100

61 2.3 10.7 16.1#

70 6.9 8.8 13.2#

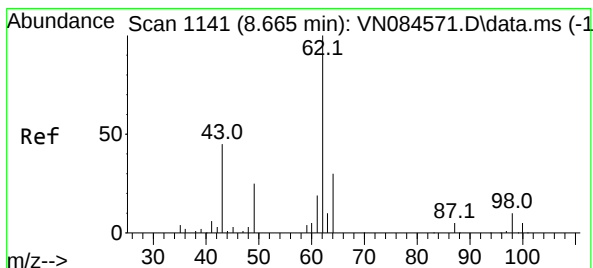
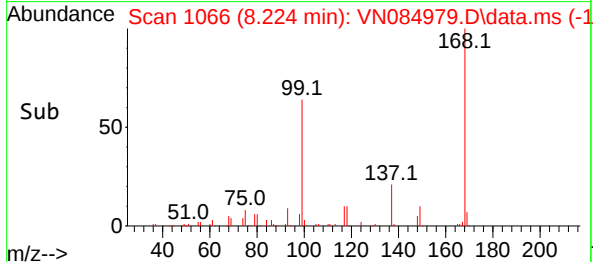
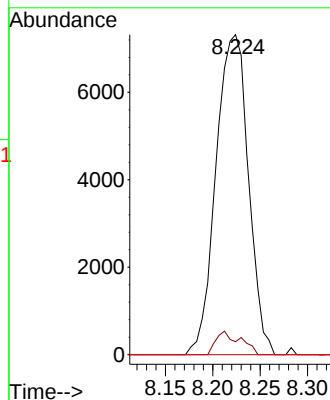
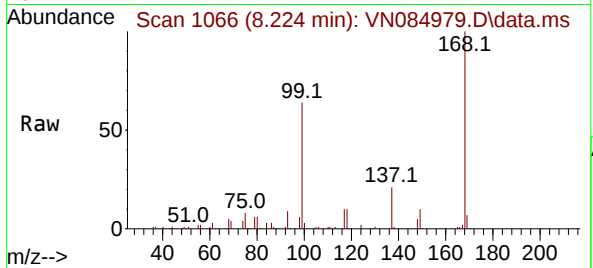




#38
Carbon Tetrachloride
Concen: 5.413 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. -0.135 min
Lab File: VN084979.D
Acq: 20 Nov 2024 19:22

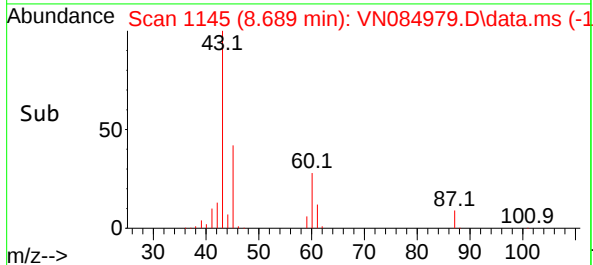
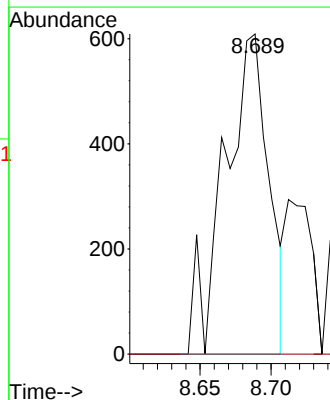
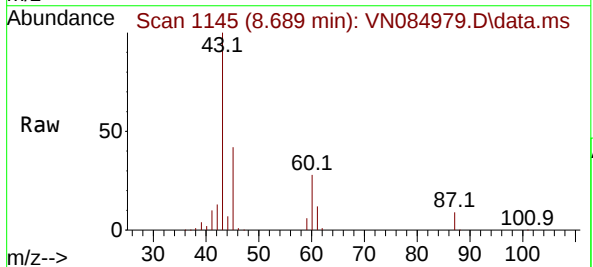
Instrument :
MSVOA_N
ClientSampleId :
MH-741

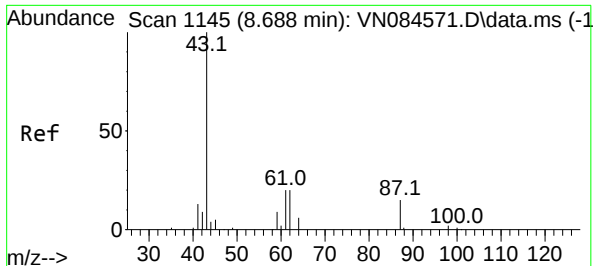
Tgt Ion:117 Resp: 17443
Ion Ratio Lower Upper
117 100
119 4.0 78.7 118.1#
121 0.0 24.4 36.6#



#42
1,2-Dichloroethane
Concen: 0.438 ug/l
RT: 8.689 min Scan# 1145
Delta R.T. 0.018 min
Lab File: VN084979.D
Acq: 20 Nov 2024 19:22

Tgt Ion: 62 Resp: 1313
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2

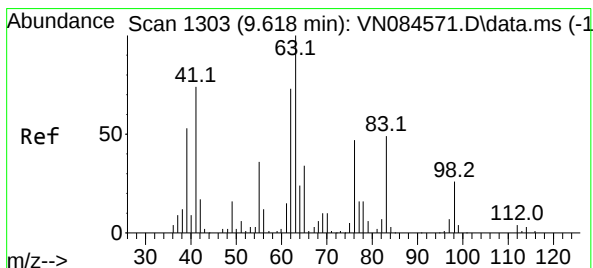
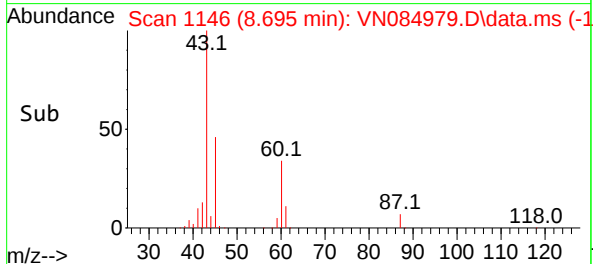
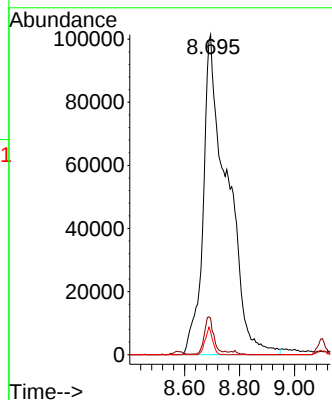
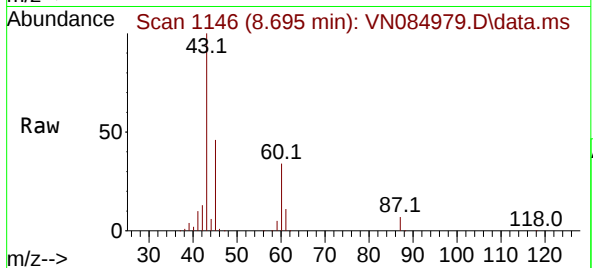




#43
Isopropyl Acetate
Concen: 129.236 ug/l
RT: 8.695 min Scan# 1146
Delta R.T. 0.007 min
Lab File: VN084979.D
Acq: 20 Nov 2024 19:22

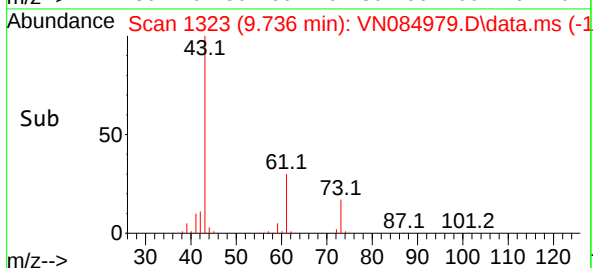
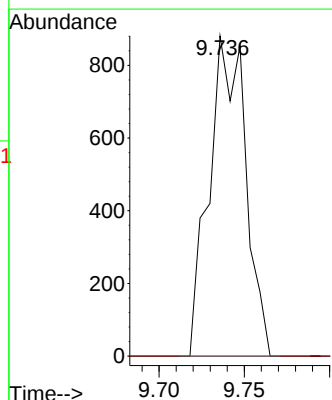
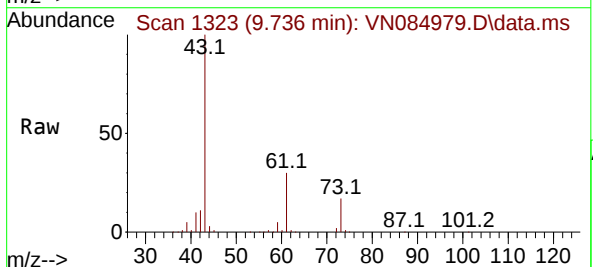
Instrument :
MSVOA_N
ClientSampleId :
MH-741

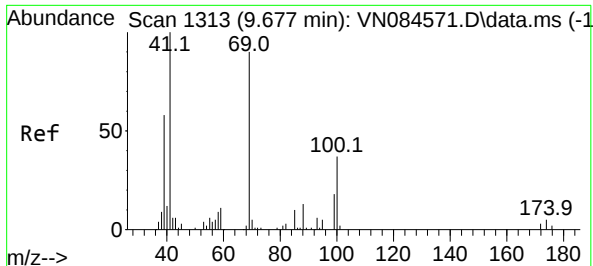
Tgt Ion: 43 Resp: 617075
Ion Ratio Lower Upper
43 100
61 4.7 20.4 30.6#
87 2.6 10.3 15.5#



#45
1,2-Dichloropropane
Concen: 0.603 ug/l
RT: 9.736 min Scan# 1323
Delta R.T. 0.118 min
Lab File: VN084979.D
Acq: 20 Nov 2024 19:22

Tgt Ion: 63 Resp: 1310
Ion Ratio Lower Upper
63 100
65 0.0 24.6 37.0#





#48

Methyl methacrylate

Concen: 1.573 ug/l

RT: 9.671 min Scan# 1312

Delta R.T. -0.006 min

Lab File: VN084979.D

Acq: 20 Nov 2024 19:22

Instrument :

MSVOA_N

ClientSampleId :

MH-741

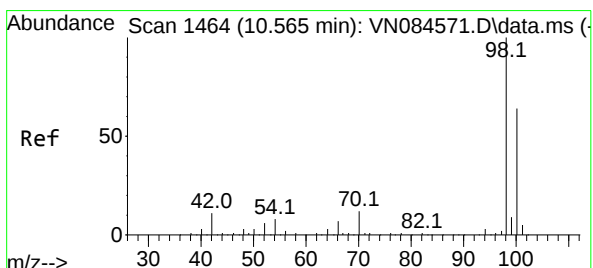
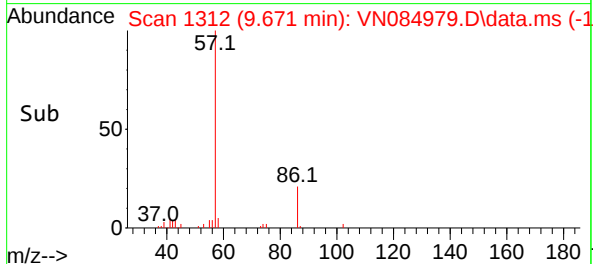
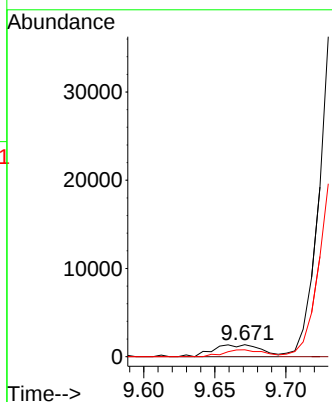
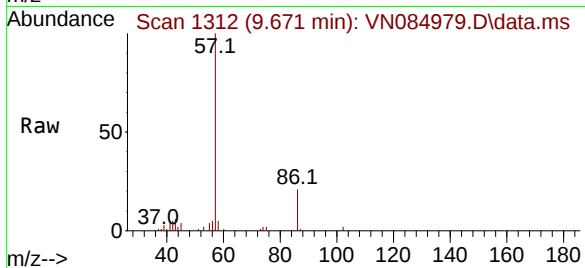
Tgt Ion: 41 Resp: 3202

Ion Ratio Lower Upper

41 100

69 0.0 67.1 100.7#

39 0.0 45.8 68.6#



#50

Toluene-d8

Concen: 47.837 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN084979.D

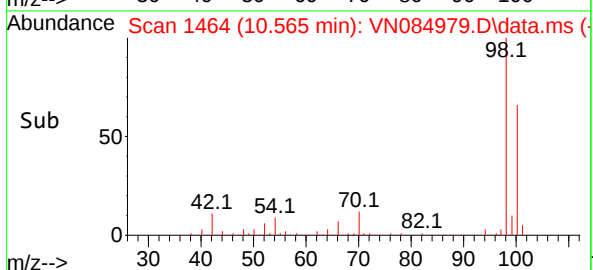
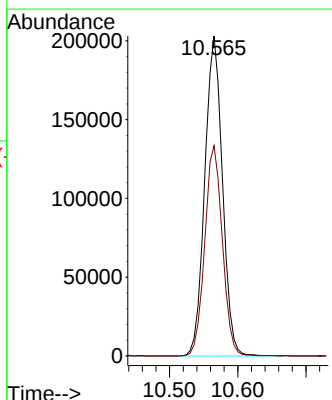
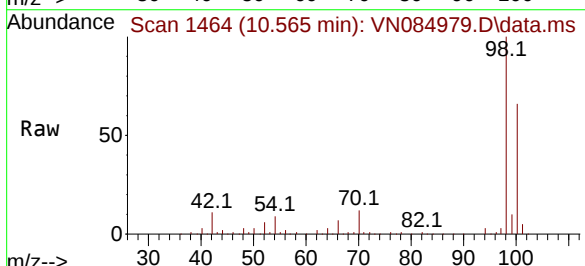
Acq: 20 Nov 2024 19:22

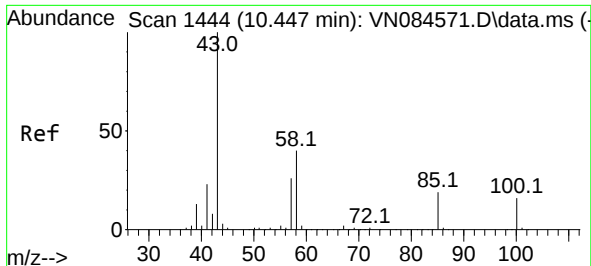
Tgt Ion: 98 Resp: 366289

Ion Ratio Lower Upper

98 100

100 65.4 52.7 79.1

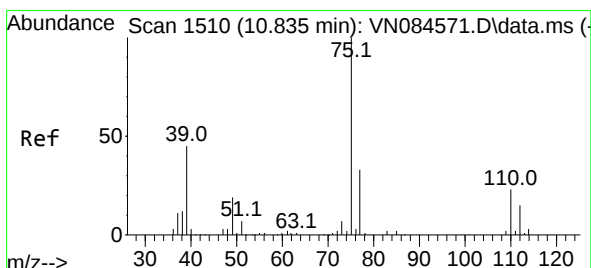
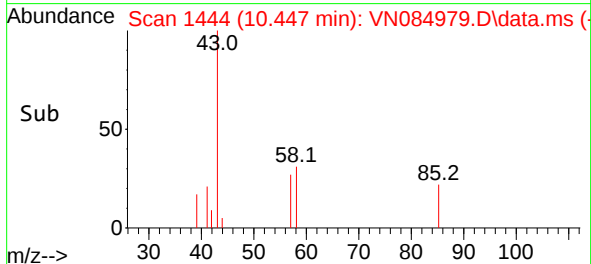
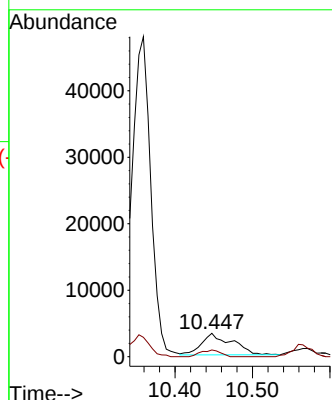
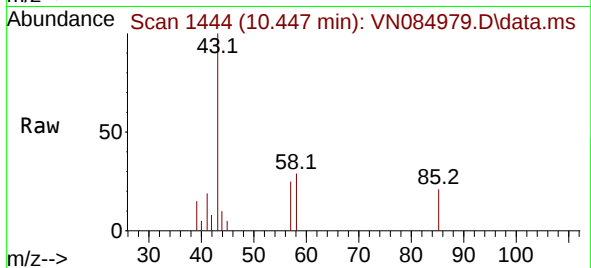




#51
4-Methyl-2-Pentanone
Concen: 3.577 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN084979.D
Acq: 20 Nov 2024 19:22

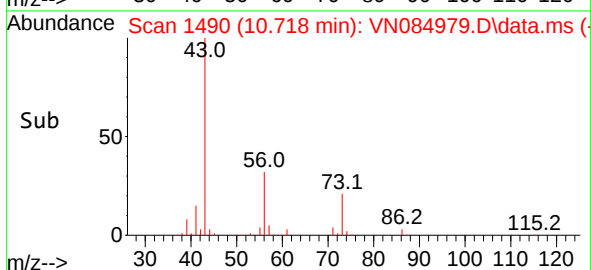
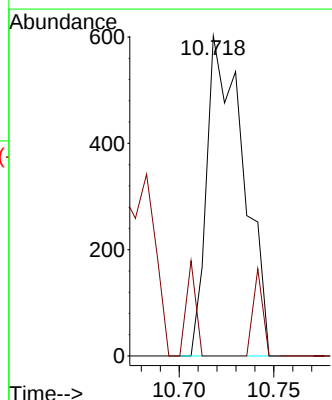
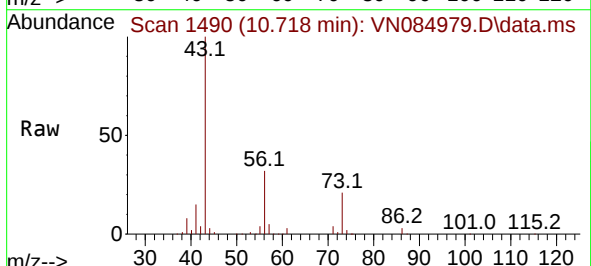
Instrument :
MSVOA_N
ClientSampleId :
MH-741

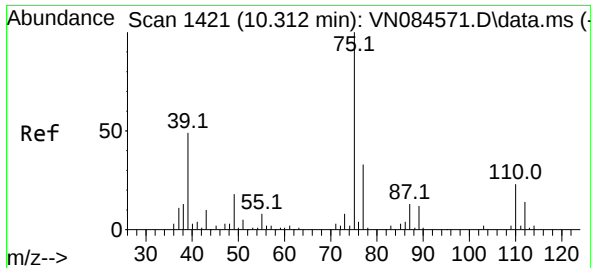
Tgt Ion: 43 Resp: 8918
Ion Ratio Lower Upper
43 100
58 20.0 31.6 47.4#



#53
t-1,3-Dichloropropene
Concen: 0.242 ug/l
RT: 10.718 min Scan# 1490
Delta R.T. -0.117 min
Lab File: VN084979.D
Acq: 20 Nov 2024 19:22

Tgt Ion: 75 Resp: 810
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

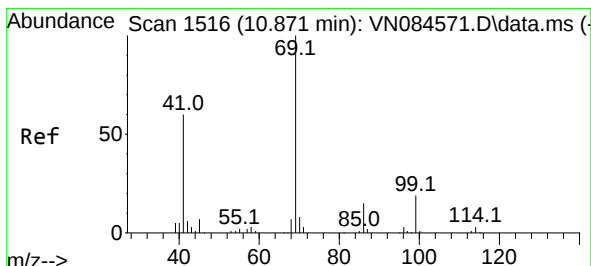
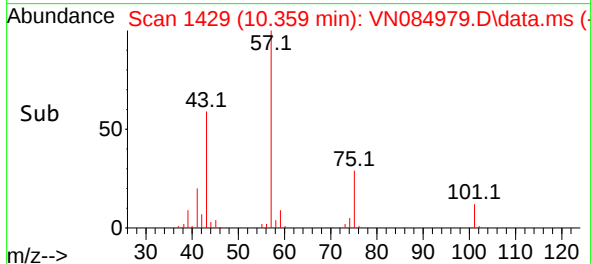
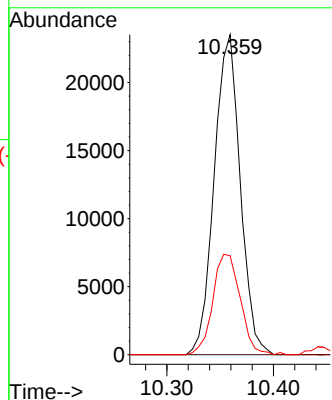
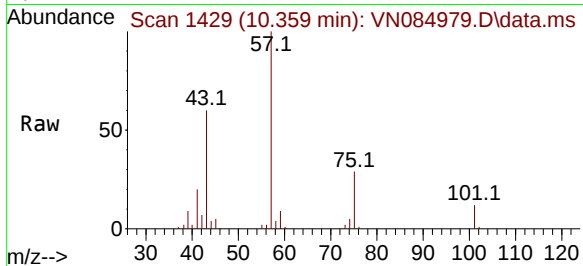




#54
 cis-1,3-Dichloropropene
 Concen: 11.260 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN084979.D
 Acq: 20 Nov 2024 19:22

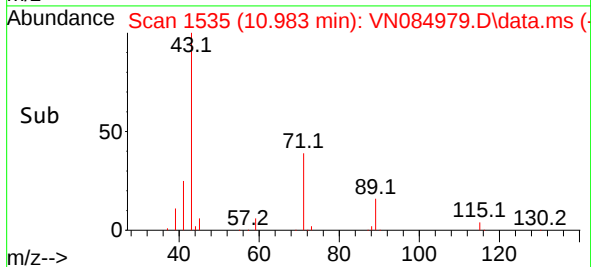
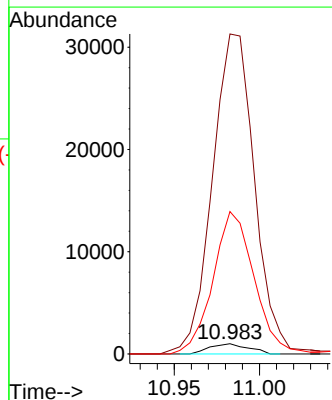
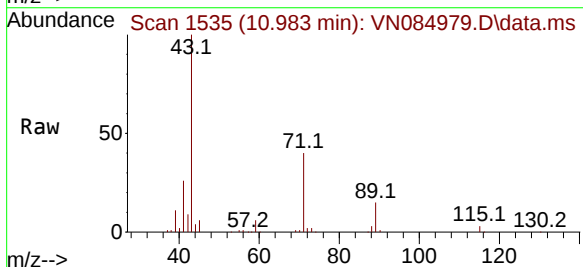
Instrument :
 MSVOA_N
 ClientSampleId :
 MH-741

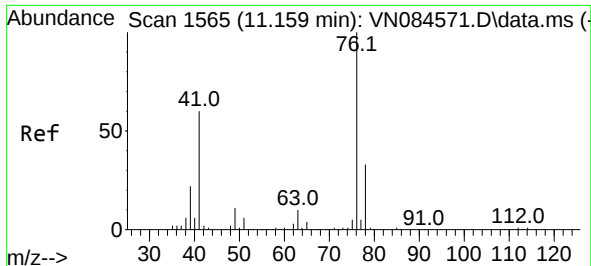
Tgt Ion: 75 Resp: 39847
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.2 36.2#
 39 30.9 38.7 58.1#



#56
 Ethyl methacrylate
 Concen: 0.535 ug/l
 RT: 10.983 min Scan# 1535
 Delta R.T. 0.112 min
 Lab File: VN084979.D
 Acq: 20 Nov 2024 19:22

Tgt Ion: 69 Resp: 1579
 Ion Ratio Lower Upper
 69 100
 41 3427.3 53.3 79.9#
 39 1484.4 28.8 43.2#

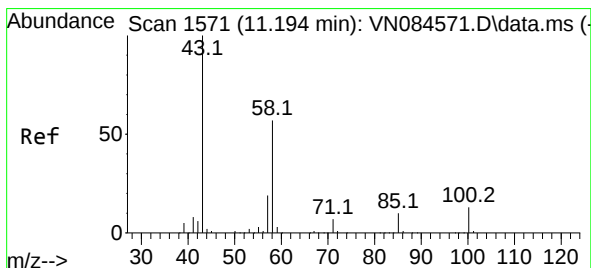
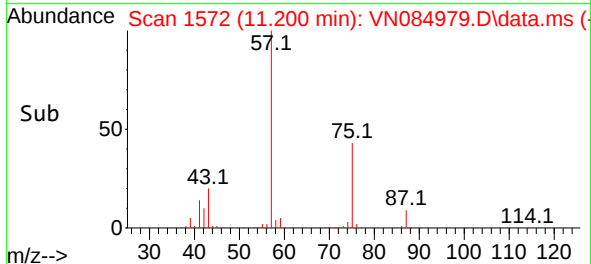
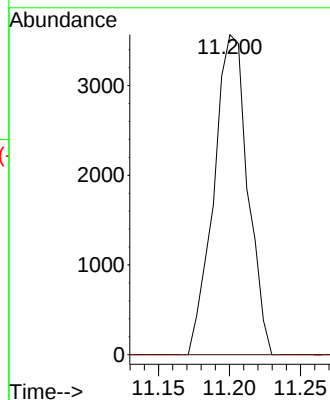
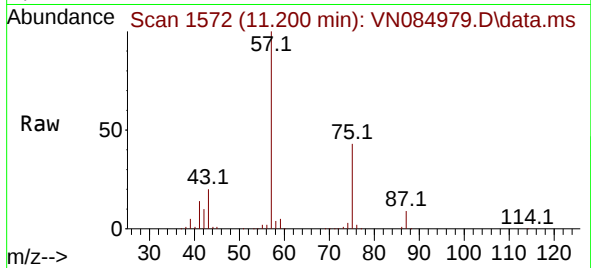




#57
1,3-Dichloropropane
Concen: 1.693 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.042 min
Lab File: VN084979.D
Acq: 20 Nov 2024 19:22

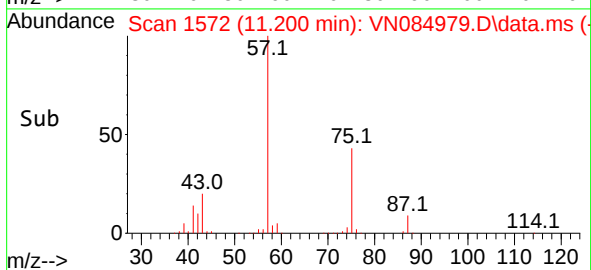
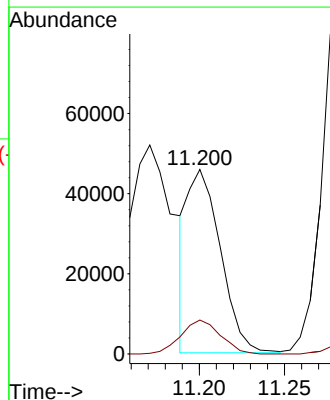
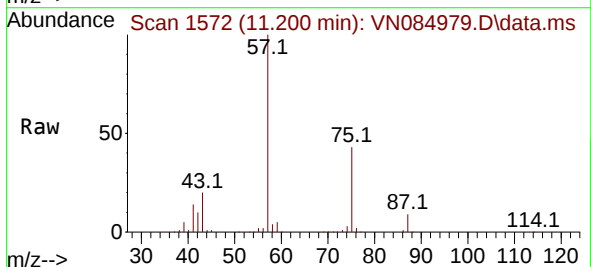
Instrument :
MSVOA_N
ClientSampleId :
MH-741

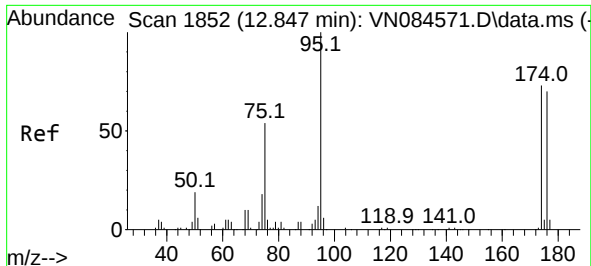
Tgt Ion: 76 Resp: 5926
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#



#59
2-Hexanone
Concen: 33.892 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN084979.D
Acq: 20 Nov 2024 19:22

Tgt Ion: 43 Resp: 61511
Ion Ratio Lower Upper
43 100
58 22.2 27.3 81.8#

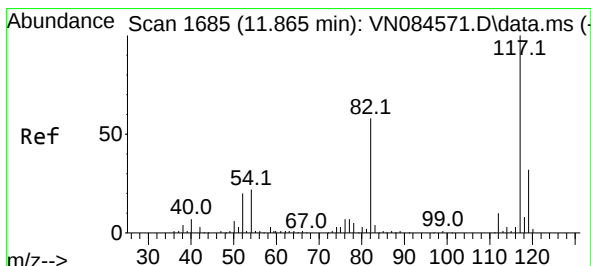
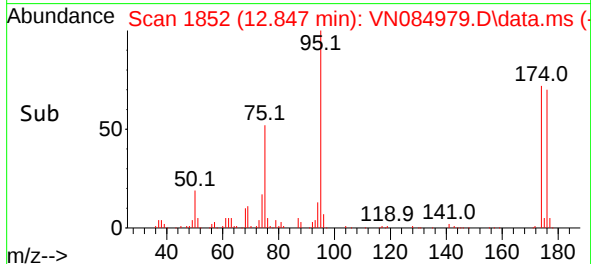
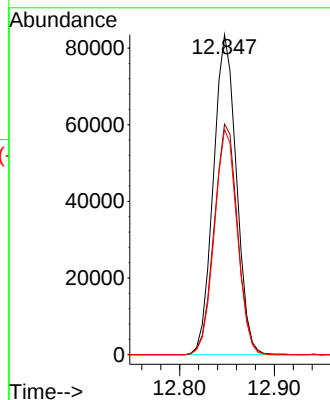
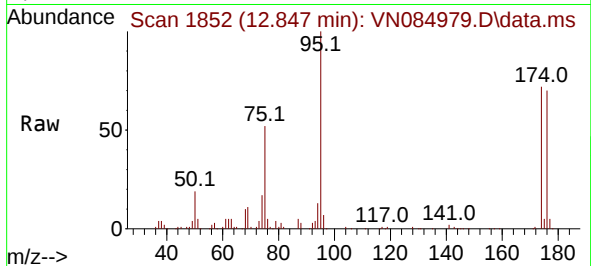




#62
4-Bromofluorobenzene
Concen: 49.328 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084979.D
Acq: 20 Nov 2024 19:22

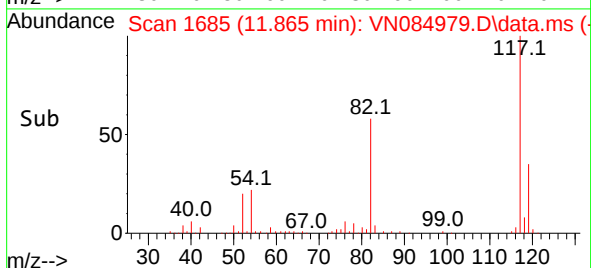
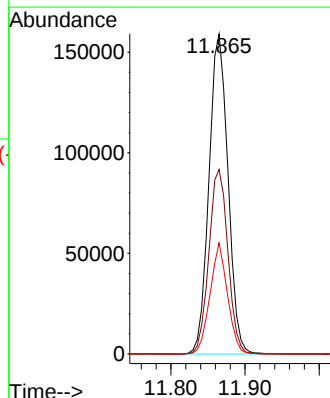
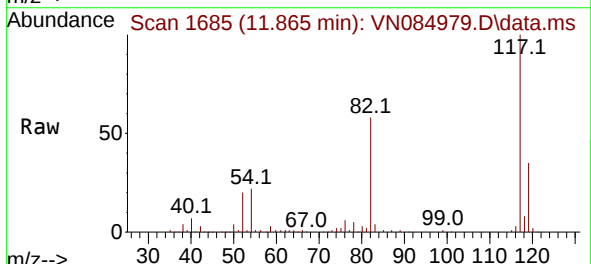
Instrument :
MSVOA_N
ClientSampleId :
MH-741

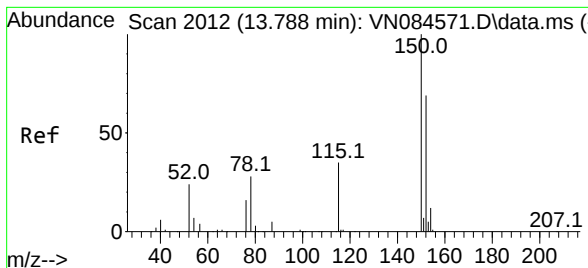
Tgt Ion: 95 Resp: 141159
Ion Ratio Lower Upper
95 100
174 73.5 0.0 145.2
176 70.2 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN084979.D
Acq: 20 Nov 2024 19:22

Tgt Ion: 117 Resp: 282958
Ion Ratio Lower Upper
117 100
82 57.6 47.2 70.8
119 34.7 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. 0.000 min

Lab File: VN084979.D

Acq: 20 Nov 2024 19:22

Instrument :

MSVOA_N

ClientSampleId :

MH-741

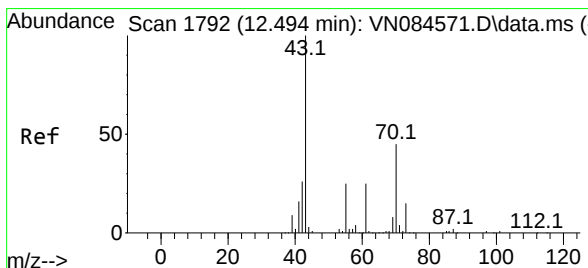
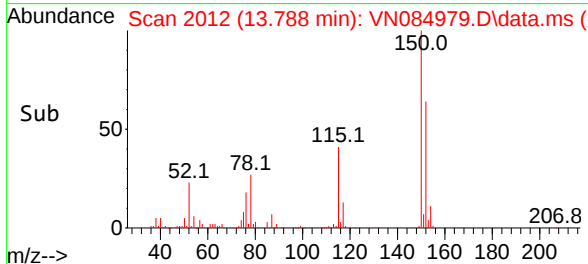
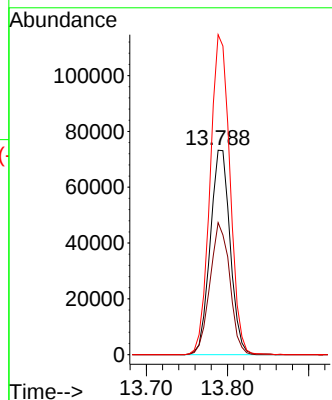
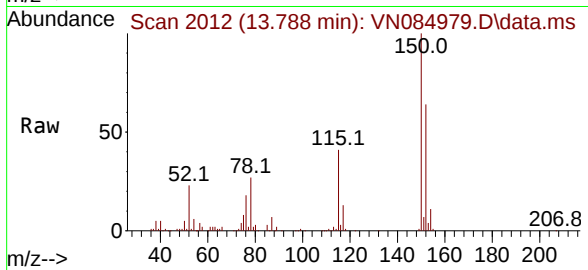
Tgt Ion:152 Resp: 124904

Ion Ratio Lower Upper

152 100

115 63.8 31.3 93.9

150 156.0 0.0 349.8



#74

N-ethyl acetate

Concen: 0.387 ug/l

RT: 12.471 min Scan# 1788

Delta R.T. -0.023 min

Lab File: VN084979.D

Acq: 20 Nov 2024 19:22

Tgt Ion: 43 Resp: 1443

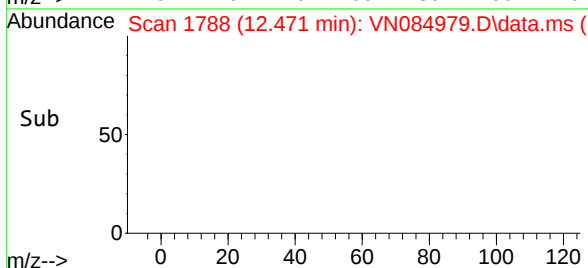
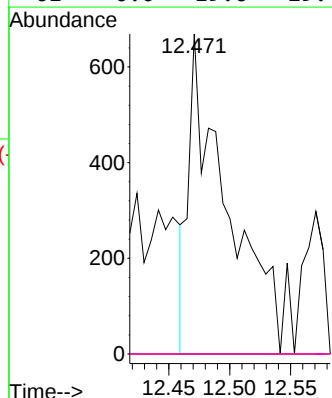
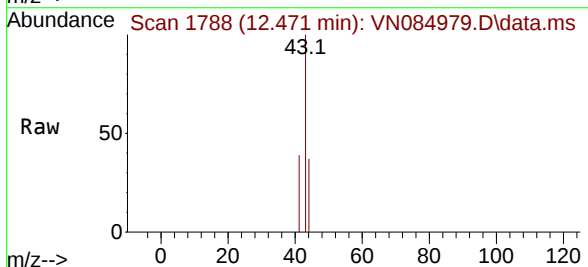
Ion Ratio Lower Upper

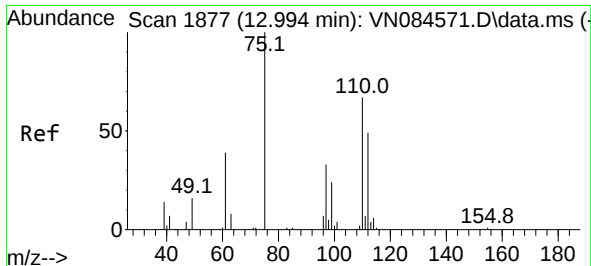
43 100

70 0.0 34.4 51.6#

55 0.0 19.6 29.4#

61 0.0 19.6 29.4#

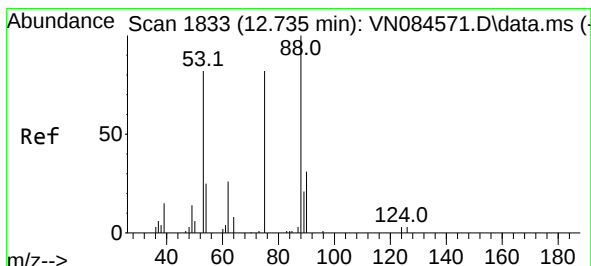
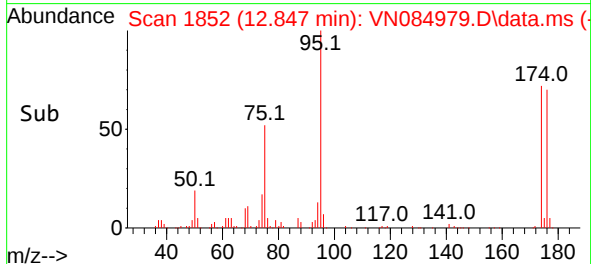
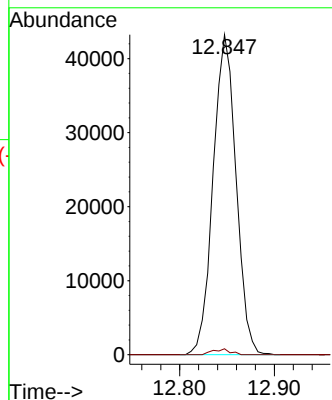
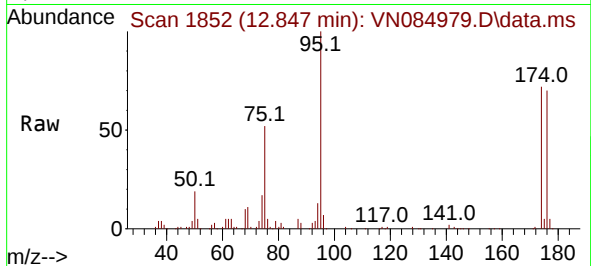




#76
1,2,3-Trichloropropane
Concen: 29.174 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084979.D
Acq: 20 Nov 2024 19:22

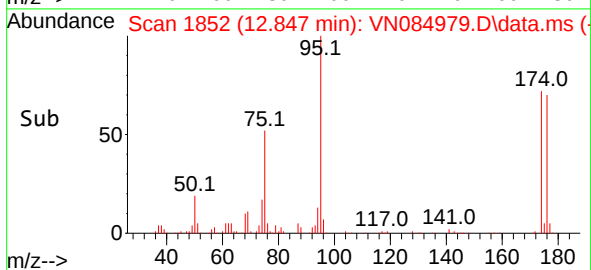
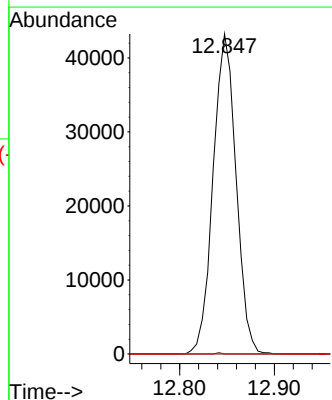
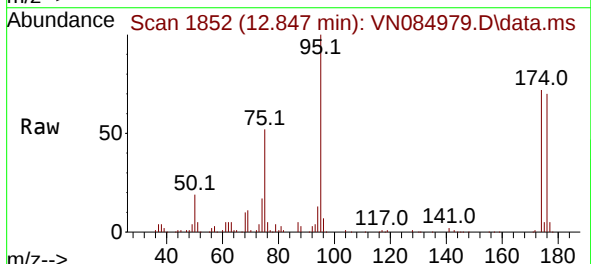
Instrument :
MSVOA_N
ClientSampleId :
MH-741

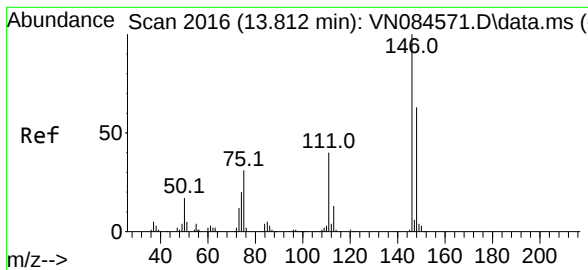
Tgt Ion: 75 Resp: 72840
Ion Ratio Lower Upper
75 100
77 1.4 96.9 290.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.212 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084979.D
Acq: 20 Nov 2024 19:22

Tgt Ion: 75 Resp: 72840
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 35.5 53.3#





#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 13.800 min Scan# 20

Delta R.T. -0.012 min

Lab File: VN084979.D

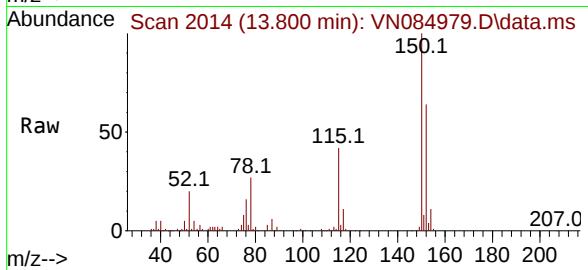
Acq: 20 Nov 2024 19:22

Instrument :

MSVOA_N

ClientSampleId :

MH-741



Tgt Ion:146 Resp: 57

Ion Ratio Lower Upper

146 100

111 3440.4 21.2 63.6#

148 363.2 31.9 95.9#

