

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
 Data File : VN084974.D
 Acq On : 20 Nov 2024 17:22
 Operator : JC\MD
 Sample : P4910-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MH-759

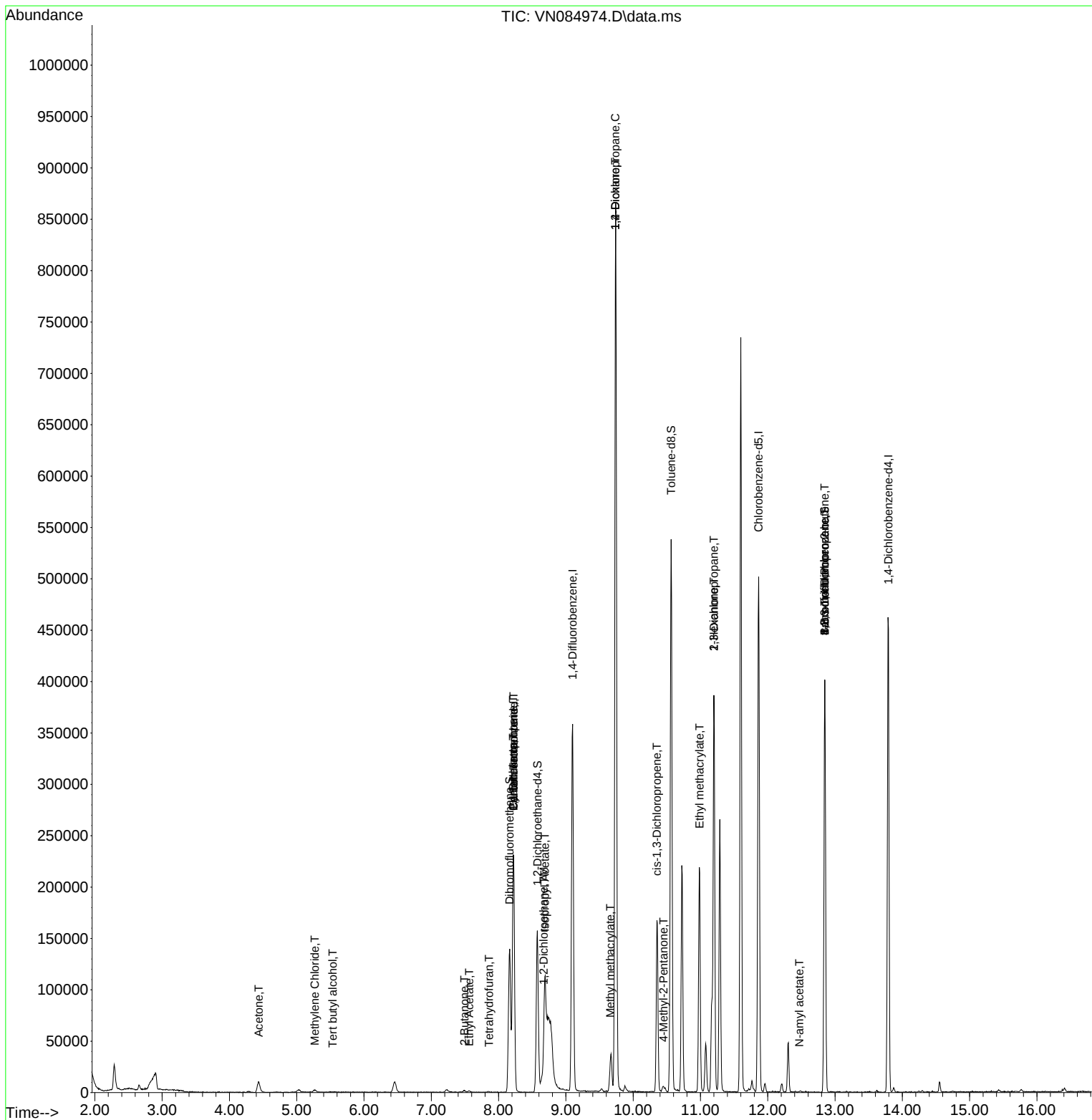
Quant Time: Nov 21 00:43:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

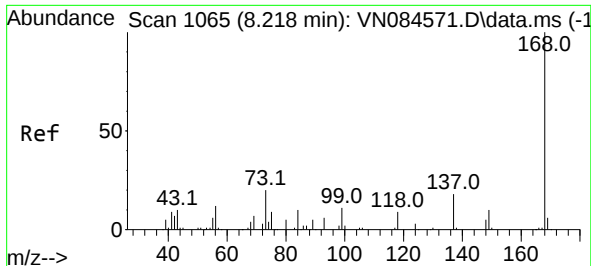
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	167654	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	308160	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	286228	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	122831	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	125704	51.912	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.820%			
35) Dibromofluoromethane	8.165	113	100903	48.375	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.740%			
50) Toluene-d8	10.565	98	365667	47.590	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.180%			
62) 4-Bromofluorobenzene	12.847	95	142382	49.582	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.160%			
Target Compounds						Qvalue
3) Chloromethane	2.359	50	528	Below Cal	#	68
6) Chloroethane	3.071	64	183	Below Cal	#	45
11) Tert butyl alcohol	5.536	59	113	0.354	ug/l #	73
16) Acetone	4.436	43	18948	24.516	ug/l	100
18) Methyl Acetate	5.041	43	5312	Below Cal		91
20) Methylene Chloride	5.271	84	1646	0.773	ug/l #	86
25) 2-Butanone	7.494	43	3028	2.680	ug/l #	78
29) Tetrahydrofuran	7.859	42	514	0.686	ug/l #	61
31) Cyclohexane	8.218	56	3793	1.135	ug/l #	8
36) 1,1-Dichloropropene	8.218	75	14241	4.923	ug/l #	52
37) Ethyl Acetate	7.565	43	2580	0.983	ug/l #	77
38) Carbon Tetrachloride	8.224	117	18911	5.849	ug/l #	15
42) 1,2-Dichloroethane	8.671	62	665	0.221	ug/l #	75
43) Isopropyl Acetate	8.688	43	277287	57.327	ug/l #	69
45) 1,2-Dichloropropane	9.735	63	1159	0.532	ug/l #	44
48) Methyl methacrylate	9.659	41	2298	1.125	ug/l #	44
49) 1,4-Dioxane	9.735	88	53	1.464	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	3525	1.409	ug/l	94
54) cis-1,3-Dichloropropene	10.353	75	30750	8.659	ug/l #	66
56) Ethyl methacrylate	10.988	69	1280	0.432	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4100	1.167	ug/l #	42
59) 2-Hexanone	11.200	43	46825	25.711	ug/l #	59
71) Bromoform	12.847	173	405	0.242	ug/l #	1
74) N-amyl acetate	12.470	43	767	0.209	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	73913	30.103	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	73913	71.416	ug/l #	11
88) 1,4-Dichlorobenzene	13.811	146	328	Below Cal	#	1

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

Quant Time: Nov 21 00:43:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
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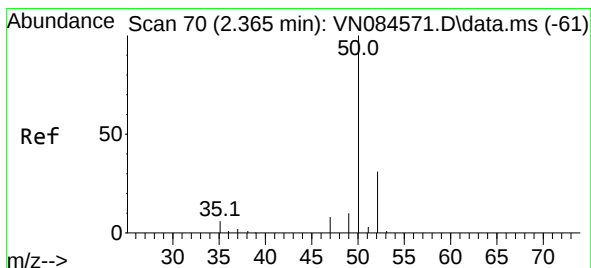
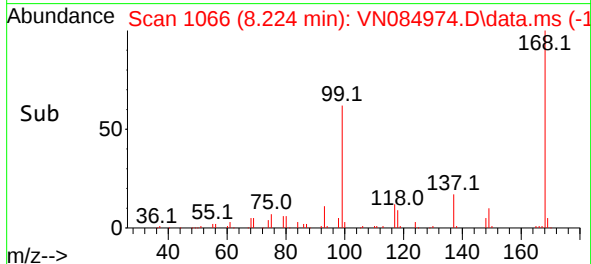
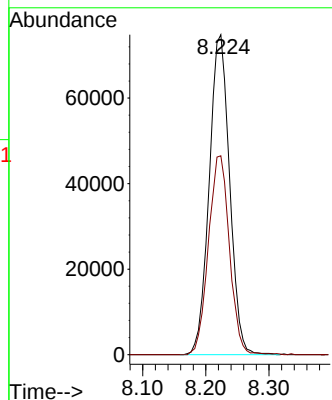
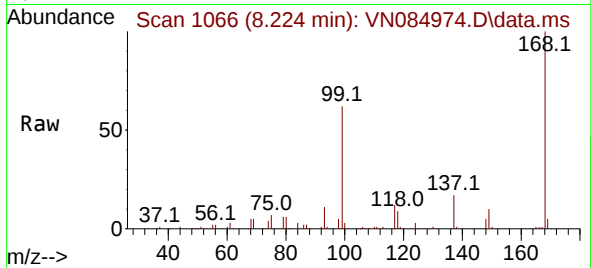




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084974.D
Acq: 20 Nov 2024 17:22

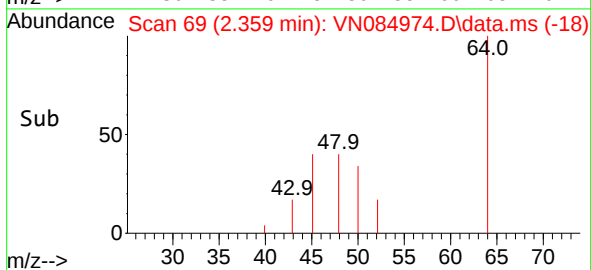
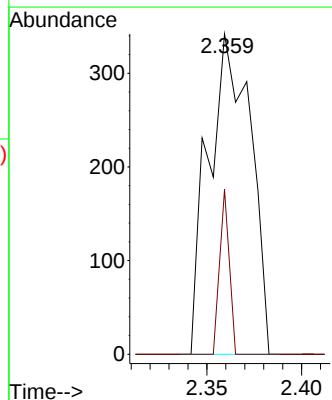
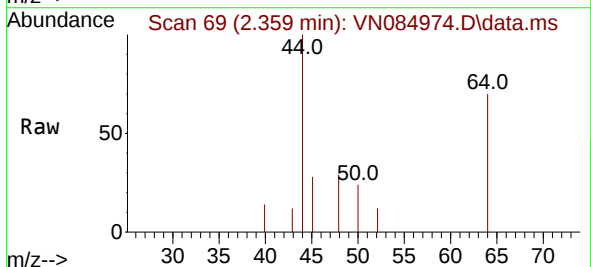
Instrument :
MSVOA_N
ClientSampleId :
MH-759

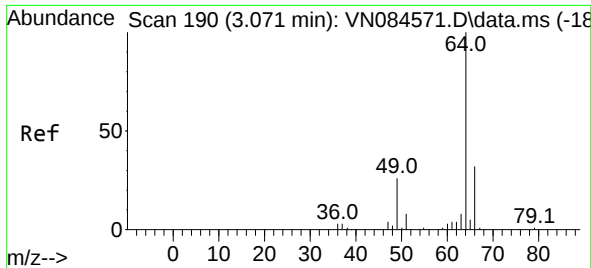
Tgt Ion:168 Resp: 167654
Ion Ratio Lower Upper
168 100
99 62.2 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084974.D
Acq: 20 Nov 2024 17:22

Tgt Ion: 50 Resp: 528
Ion Ratio Lower Upper
50 100
52 51.5 26.8 40.2#

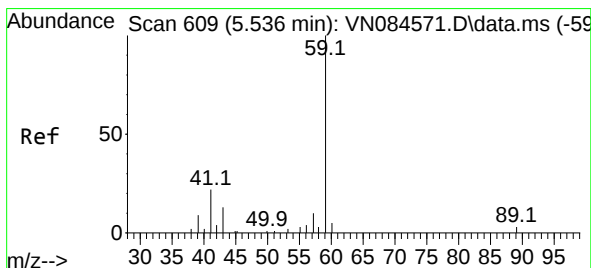
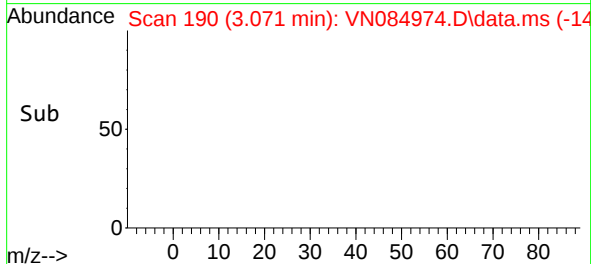
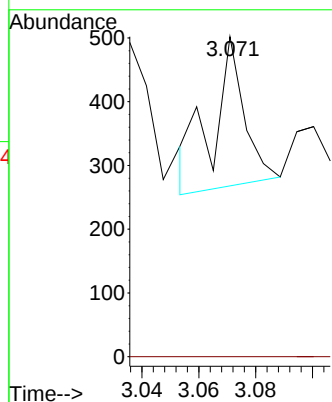
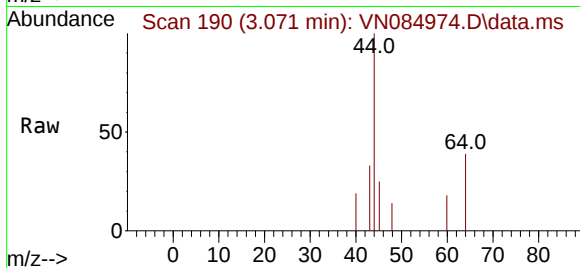




#6
Chloroethane
Concen: Below Cal
RT: 3.071 min Scan# 190
Delta R.T. -0.047 min
Lab File: VN084974.D
Acq: 20 Nov 2024 17:22

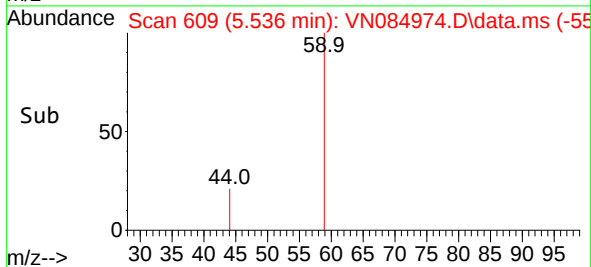
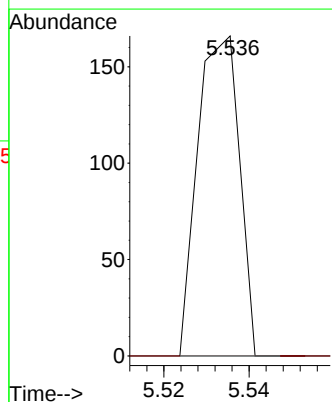
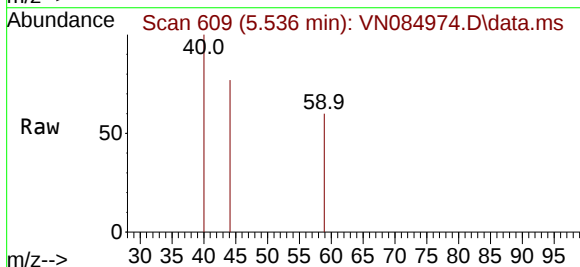
Instrument :
MSVOA_N
ClientSampleId :
MH-759

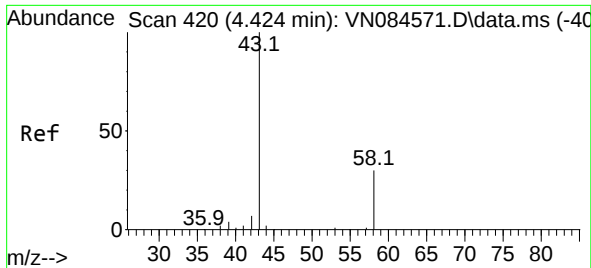
Tgt Ion: 64 Resp: 183
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 0.354 ug/l
RT: 5.536 min Scan# 609
Delta R.T. 0.012 min
Lab File: VN084974.D
Acq: 20 Nov 2024 17:22

Tgt Ion: 59 Resp: 113
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

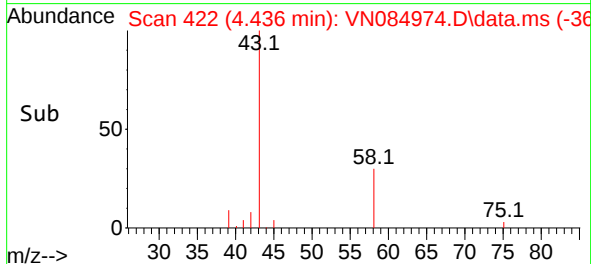
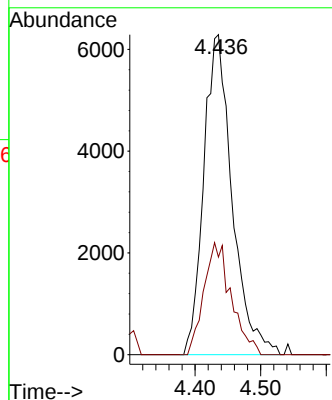
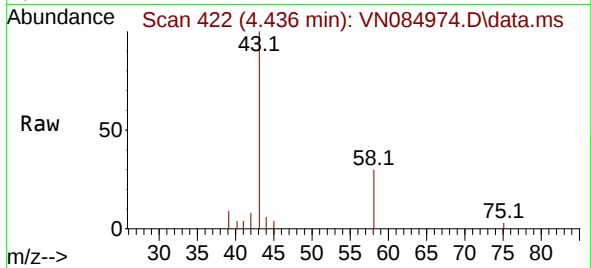




#16
Acetone
Concen: 24.516 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN084974.D
Acq: 20 Nov 2024 17:22

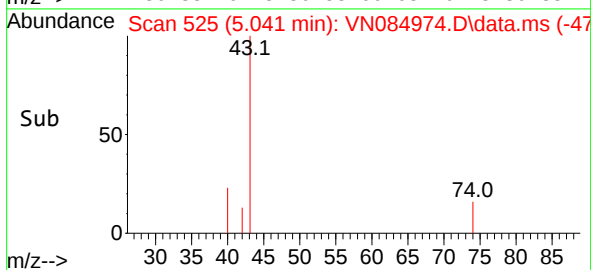
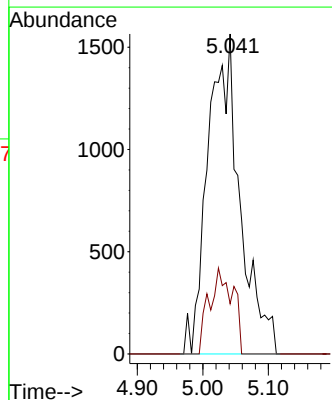
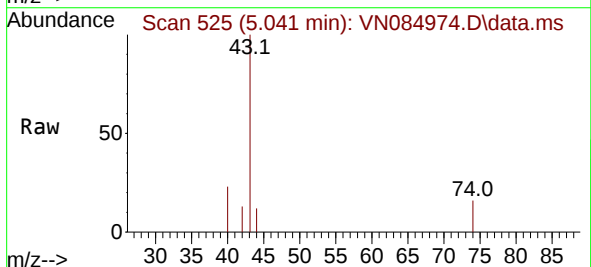
Instrument :
MSVOA_N
ClientSampleId :
MH-759

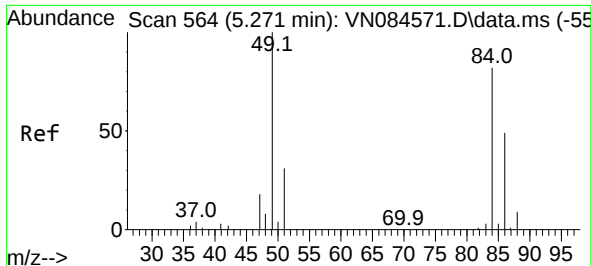
Tgt Ion: 43 Resp: 18948
Ion Ratio Lower Upper
43 100
58 30.5 24.4 36.6



#18
Methyl Acetate
Concen: Below Cal
RT: 5.041 min Scan# 525
Delta R.T. 0.023 min
Lab File: VN084974.D
Acq: 20 Nov 2024 17:22

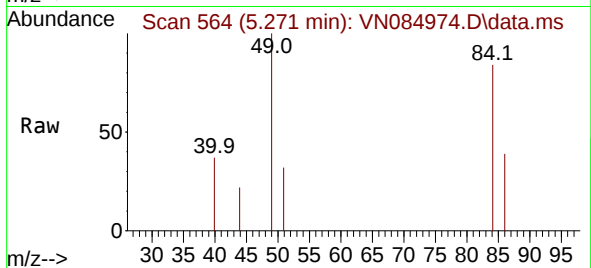
Tgt Ion: 43 Resp: 5312
Ion Ratio Lower Upper
43 100
74 19.7 19.2 28.8



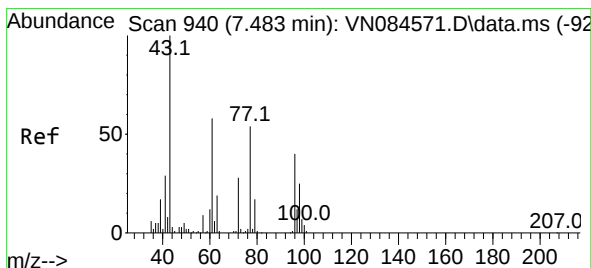
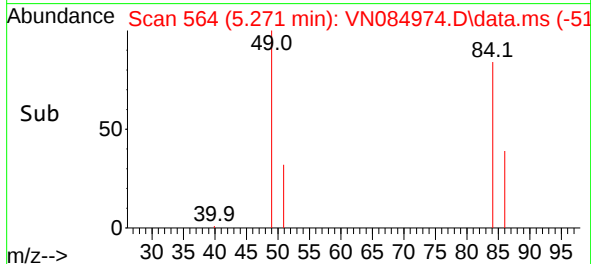
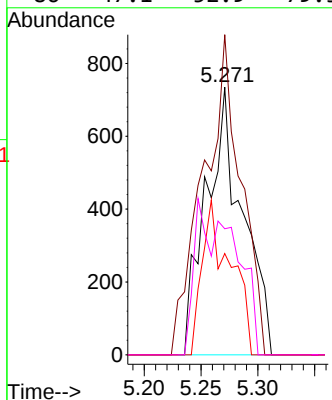


#20
Methylene Chloride
Concen: 0.773 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN084974.D
Acq: 20 Nov 2024 17:22

Instrument :
MSVOA_N
ClientSampleId :
MH-759

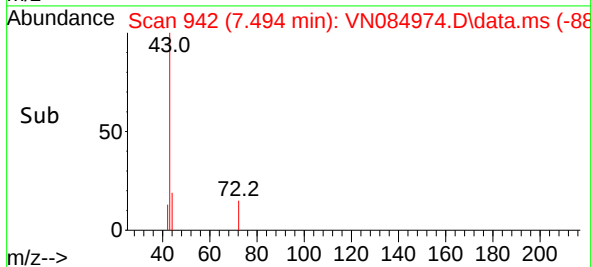
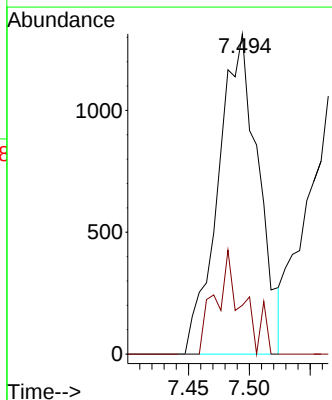
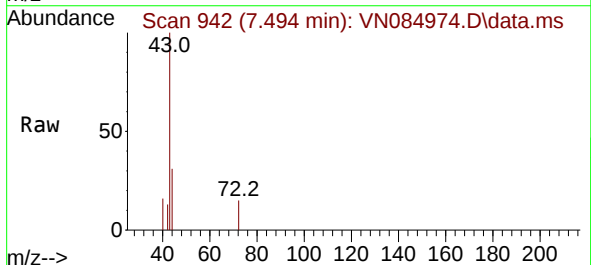


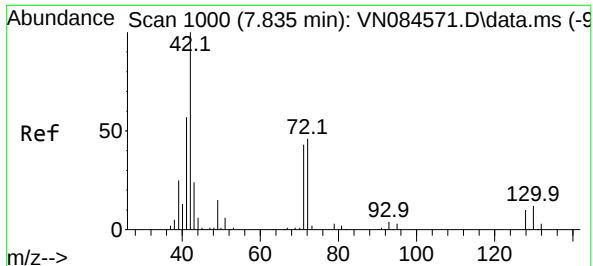
Tgt Ion:	84	Resp:	1646
Ion	Ratio	Lower	Upper
84	100		
49	119.6	107.2	160.8
51	37.8	31.8	47.8
86	47.1	52.9	79.3



#25
2-Butanone
Concen: 2.680 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN084974.D
Acq: 20 Nov 2024 17:22

Tgt Ion:	43	Resp:	3028
Ion	Ratio	Lower	Upper
43	100		
72	15.2	21.4	32.2





#29

Tetrahydrofuran

Concen: 0.686 ug/l

RT: 7.859 min Scan# 1004

Delta R.T. 0.023 min

Lab File: VN084974.D

Acq: 20 Nov 2024 17:22

Instrument :

MSVOA_N

ClientSampleId :

MH-759

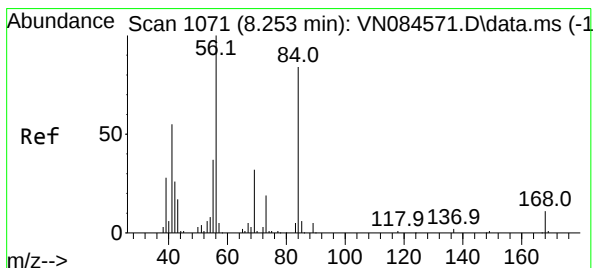
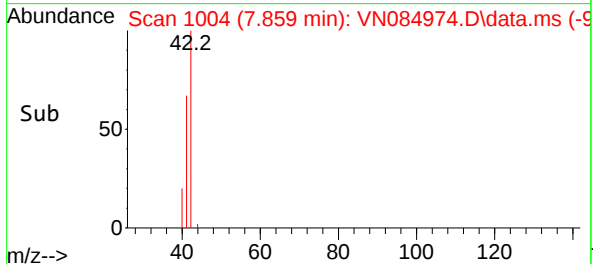
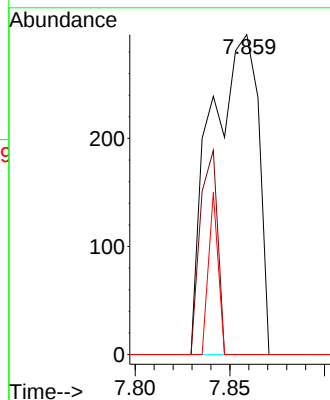
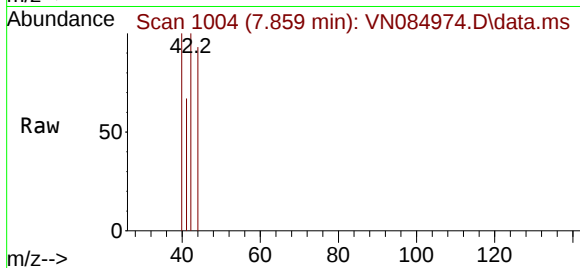
Tgt Ion: 42 Resp: 514

Ion Ratio Lower Upper

42 100

72 23.3 34.6 51.8#

71 10.3 32.2 48.4#



#31

Cyclohexane

Concen: 1.135 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.035 min

Lab File: VN084974.D

Acq: 20 Nov 2024 17:22

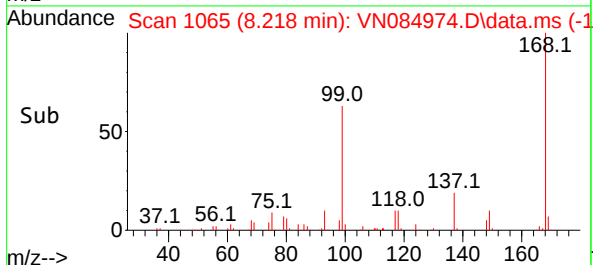
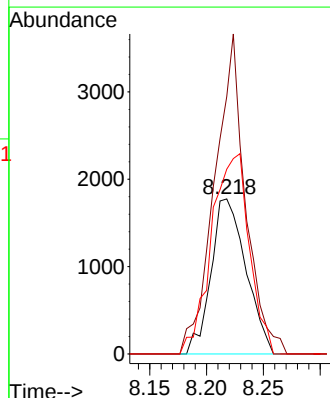
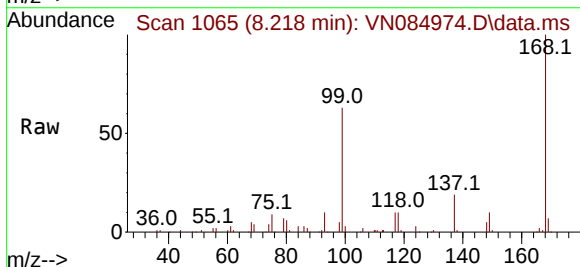
Tgt Ion: 56 Resp: 3793

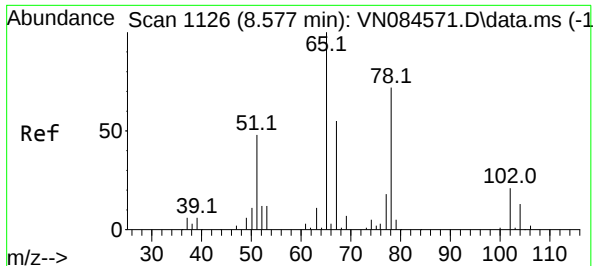
Ion Ratio Lower Upper

56 100

69 165.9 23.8 35.6#

84 119.1 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 51.912 ug/l

RT: 8.576 min Scan# 1126

Delta R.T. -0.001 min

Lab File: VN084974.D

Acq: 20 Nov 2024 17:22

Instrument :

MSVOA_N

ClientSampleId :

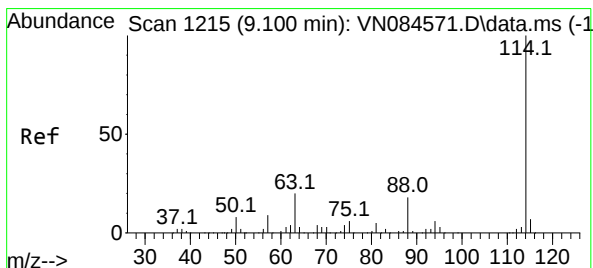
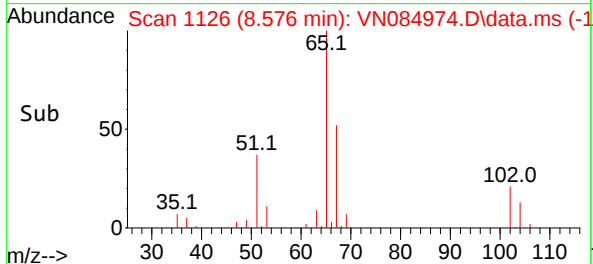
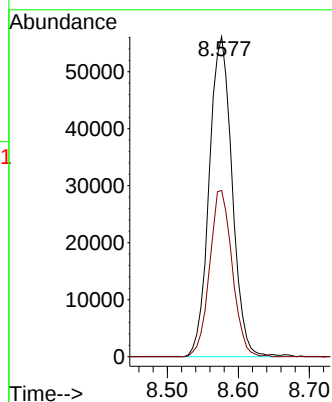
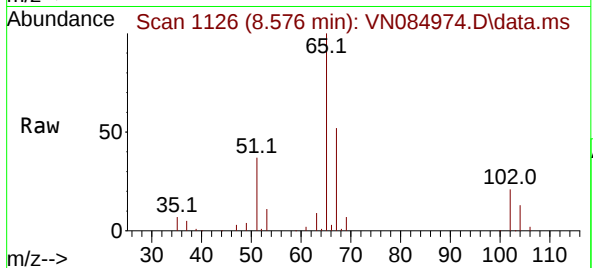
MH-759

Tgt Ion: 65 Resp: 125704

Ion Ratio Lower Upper

65 100

67 51.4 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN084974.D

Acq: 20 Nov 2024 17:22

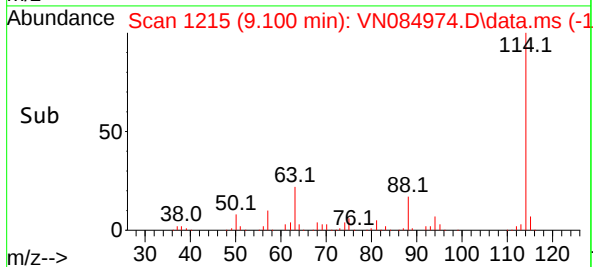
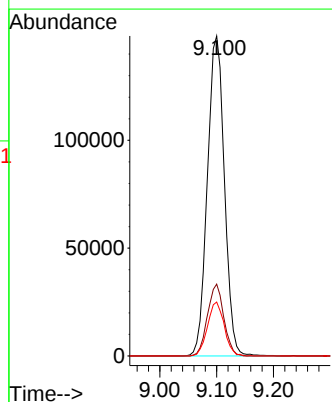
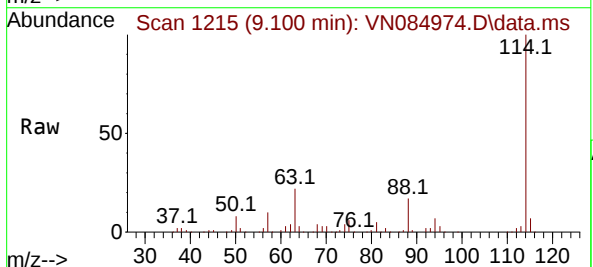
Tgt Ion: 114 Resp: 308160

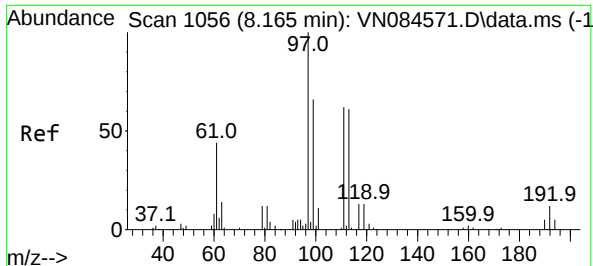
Ion Ratio Lower Upper

114 100

63 22.4 0.0 43.8

88 16.8 0.0 31.6

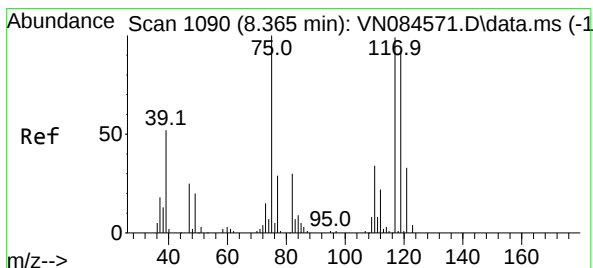
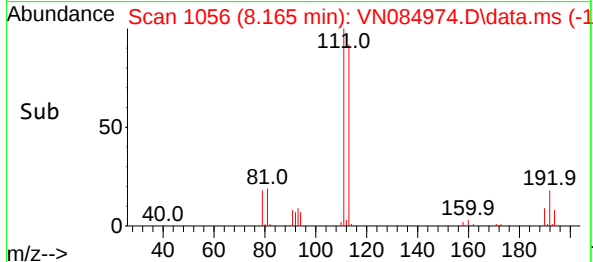
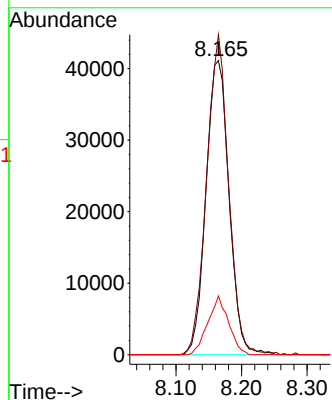
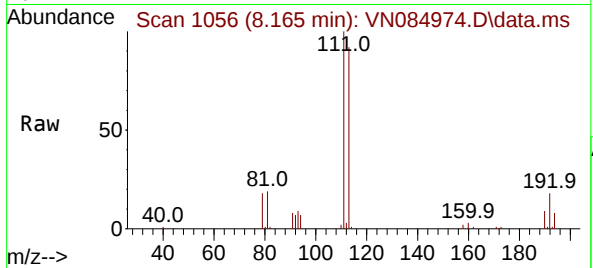




#35
Dibromofluoromethane
Concen: 48.375 ug/l
RT: 8.165 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN084974.D
Acq: 20 Nov 2024 17:22

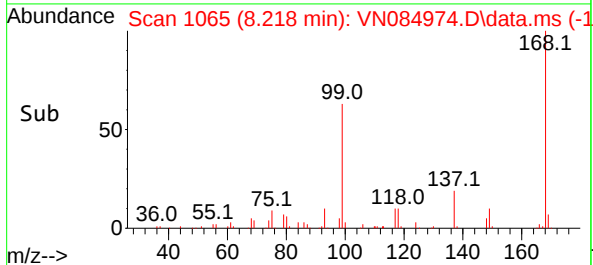
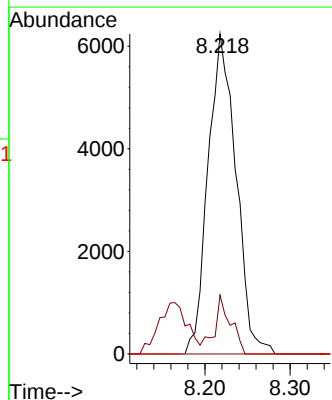
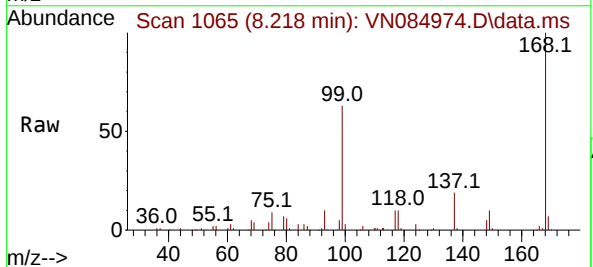
Instrument :
MSVOA_N
ClientSampleId :
MH-759

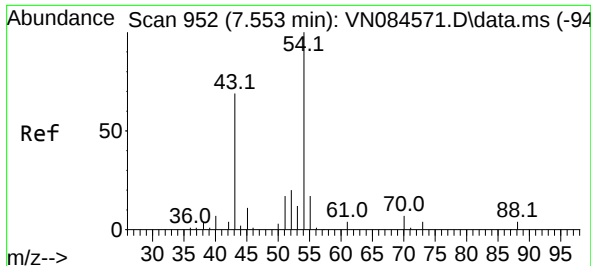
Tgt Ion:113 Resp: 100903
Ion Ratio Lower Upper
113 100
111 103.5 83.3 124.9
192 17.8 13.5 20.3



#36
1,1-Dichloropropene
Concen: 4.923 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN084974.D
Acq: 20 Nov 2024 17:22

Tgt Ion: 75 Resp: 14241
Ion Ratio Lower Upper
75 100
110 10.7 16.9 50.7#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.983 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN084974.D

Acq: 20 Nov 2024 17:22

Instrument :

MSVOA_N

ClientSampleId :

MH-759

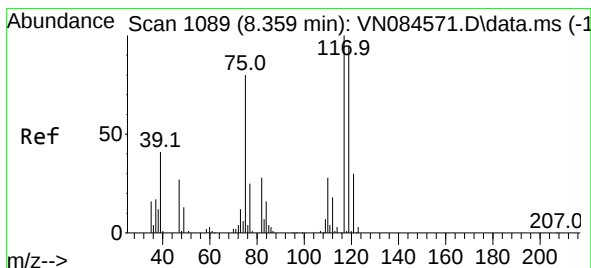
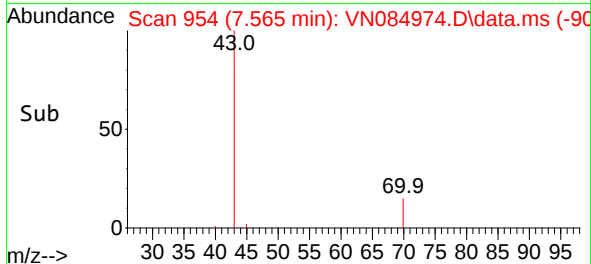
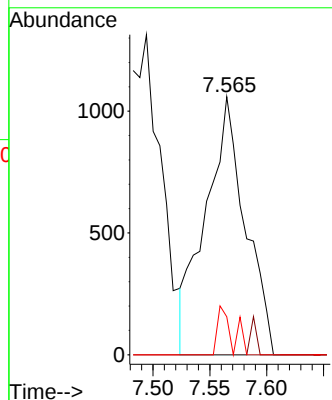
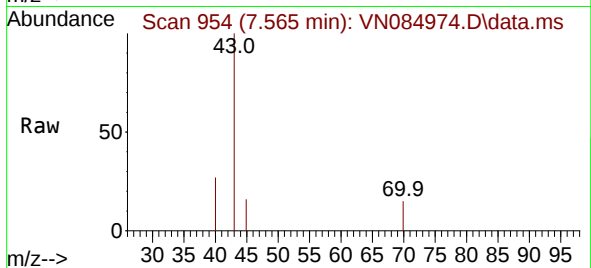
Tgt Ion: 43 Resp: 2580

Ion Ratio Lower Upper

43 100

61 0.0 10.7 16.1#

70 7.0 8.8 13.2#



#38

Carbon Tetrachloride

Concen: 5.849 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN084974.D

Acq: 20 Nov 2024 17:22

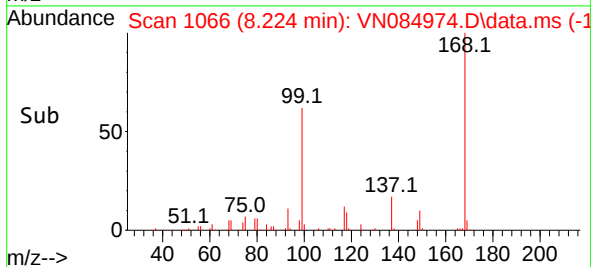
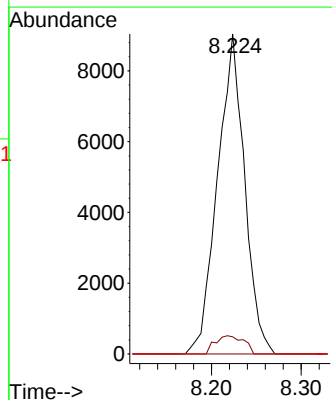
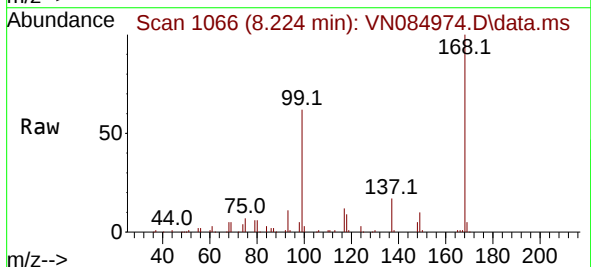
Tgt Ion: 117 Resp: 18911

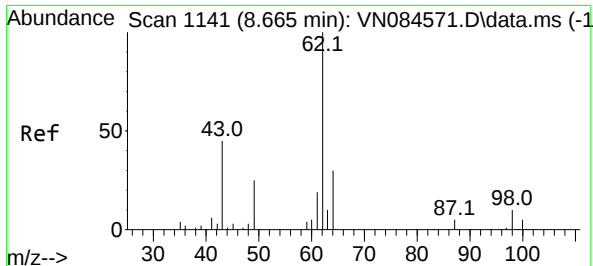
Ion Ratio Lower Upper

117 100

119 5.3 78.7 118.1#

121 0.0 24.4 36.6#





#42

1,2-Dichloroethane

Concen: 0.221 ug/l

RT: 8.671 min Scan# 1142

Delta R.T. -0.000 min

Lab File: VN084974.D

Acq: 20 Nov 2024 17:22

Instrument :

MSVOA_N

ClientSampleId :

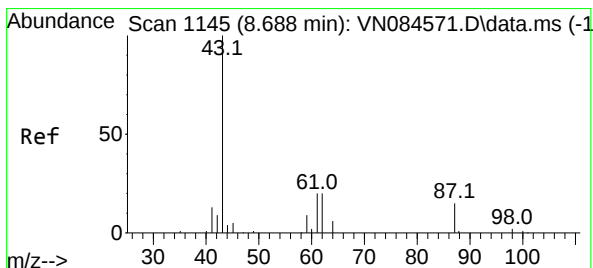
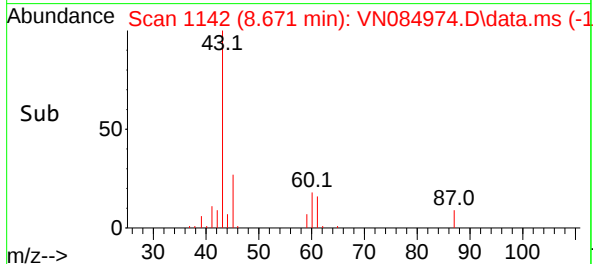
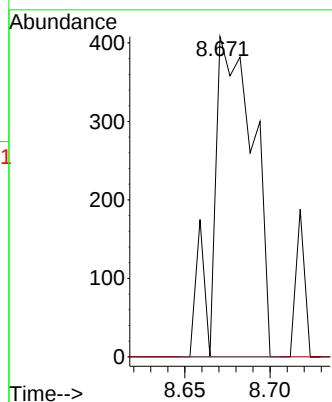
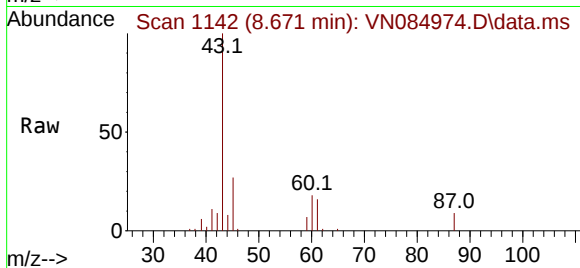
MH-759

Tgt Ion: 62 Resp: 665

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



#43

Isopropyl Acetate

Concen: 57.327 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN084974.D

Acq: 20 Nov 2024 17:22

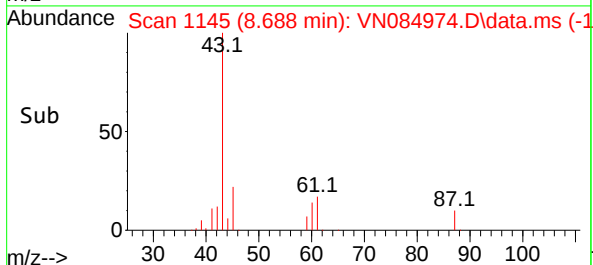
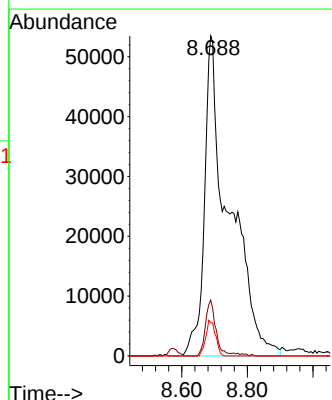
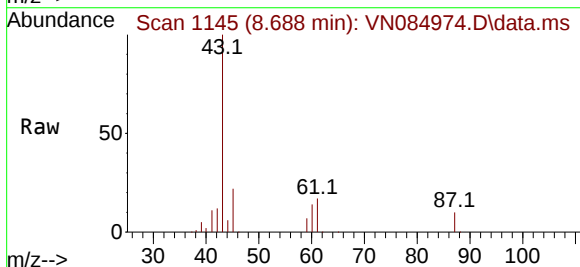
Tgt Ion: 43 Resp: 277287

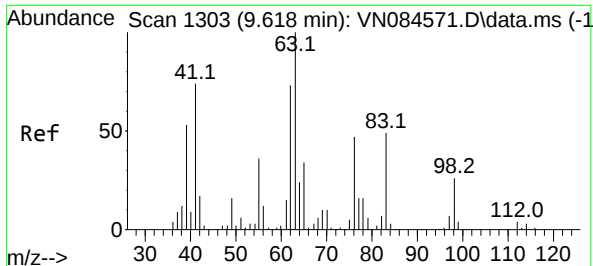
Ion Ratio Lower Upper

43 100

61 7.3 20.4 30.6#

87 4.4 10.3 15.5#





#45

1,2-Dichloropropane

Concen: 0.532 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.117 min

Lab File: VN084974.D

Acq: 20 Nov 2024 17:22

Instrument :

MSVOA_N

ClientSampleId :

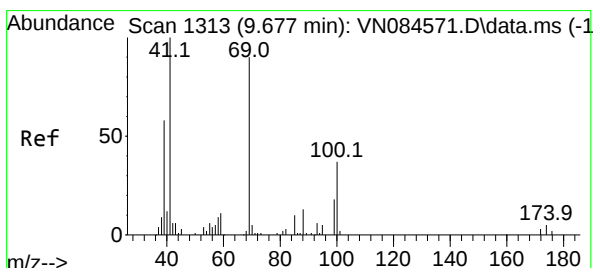
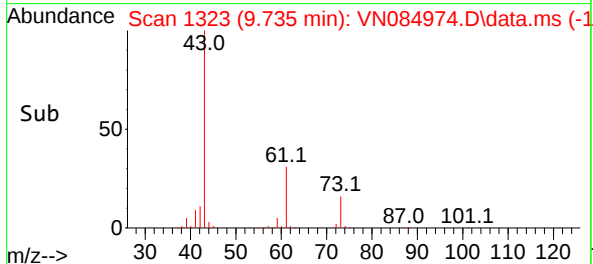
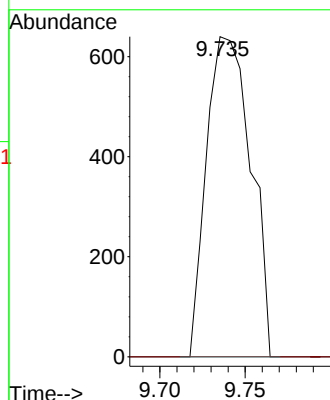
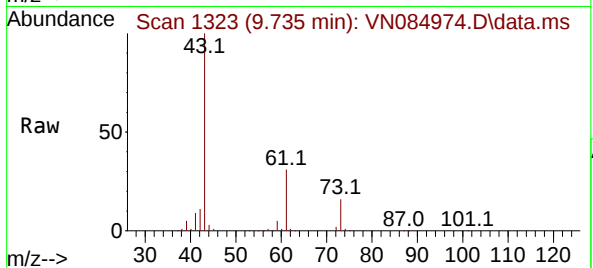
MH-759

Tgt Ion: 63 Resp: 1159

Ion Ratio Lower Upper

63 100

65 0.0 24.6 37.0#



#48

Methyl methacrylate

Concen: 1.125 ug/l

RT: 9.659 min Scan# 1310

Delta R.T. -0.018 min

Lab File: VN084974.D

Acq: 20 Nov 2024 17:22

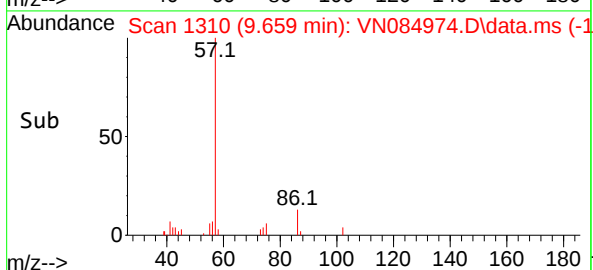
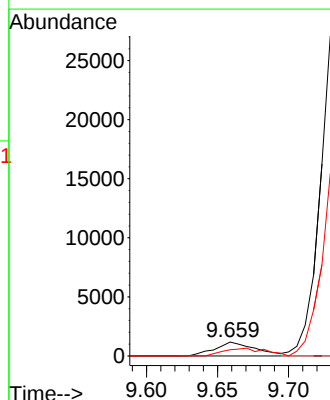
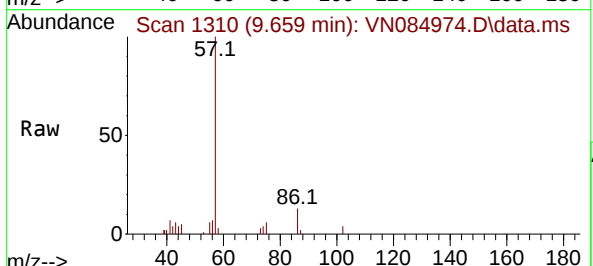
Tgt Ion: 41 Resp: 2298

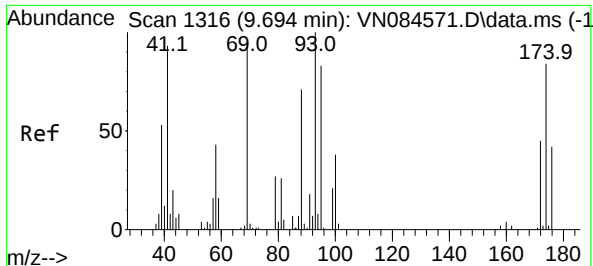
Ion Ratio Lower Upper

41 100

69 0.0 67.1 100.7#

39 58.9 45.8 68.6

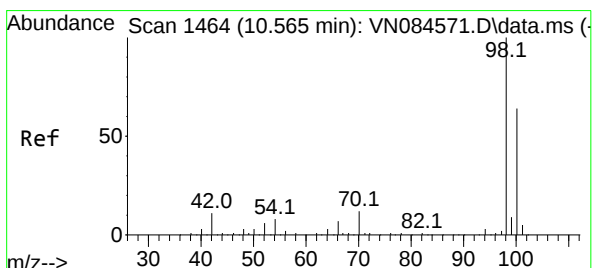
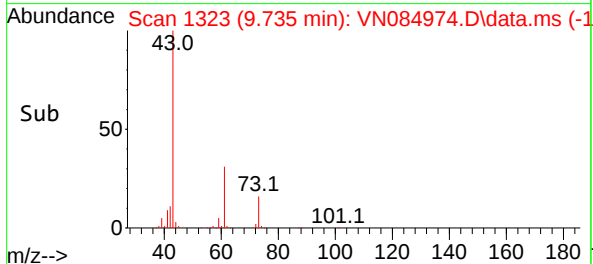
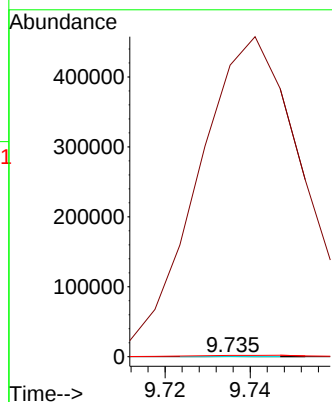
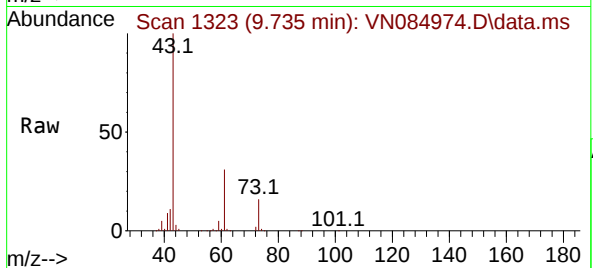




#49
1,4-Dioxane
Concen: 1.464 ug/l
RT: 9.735 min Scan# 1316
Delta R.T. 0.041 min
Lab File: VN084974.D
Acq: 20 Nov 2024 17:22

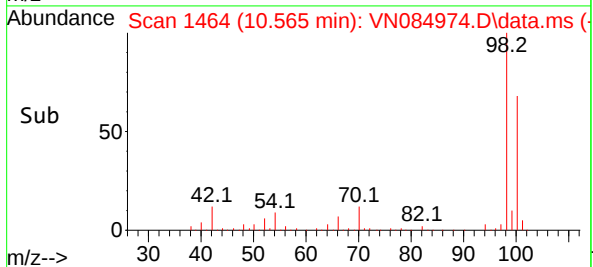
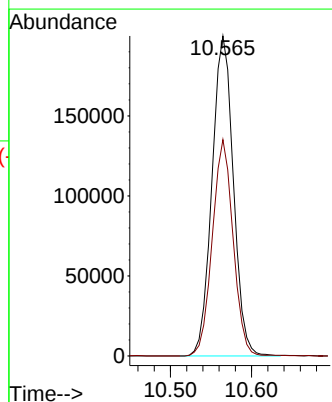
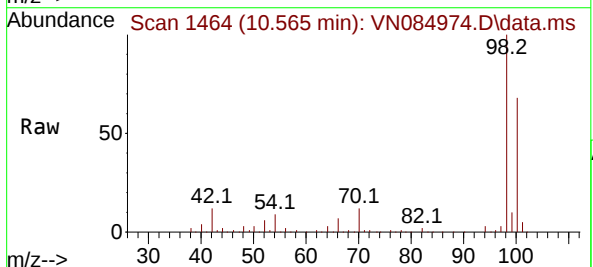
Instrument :
MSVOA_N
ClientSampleId :
MH-759

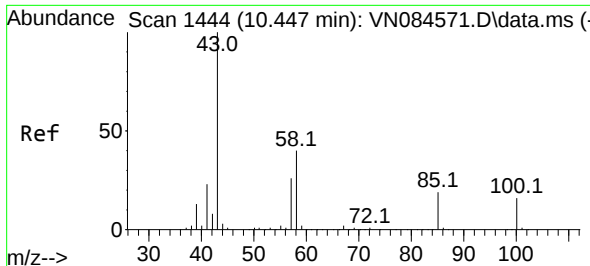
Tgt Ion: 88 Resp: 53
Ion Ratio Lower Upper
88 100
43 1532388.7 25.3 37.9#
58 7669.8 56.4 84.6#



#50
Toluene-d8
Concen: 47.590 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084974.D
Acq: 20 Nov 2024 17:22

Tgt Ion: 98 Resp: 365667
Ion Ratio Lower Upper
98 100
100 65.8 52.7 79.1

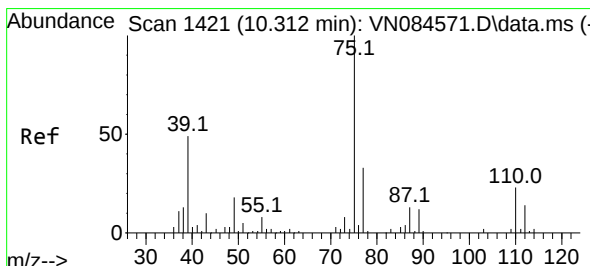
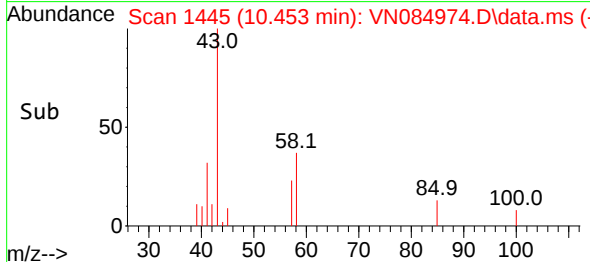
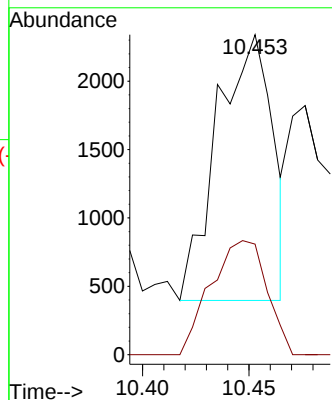
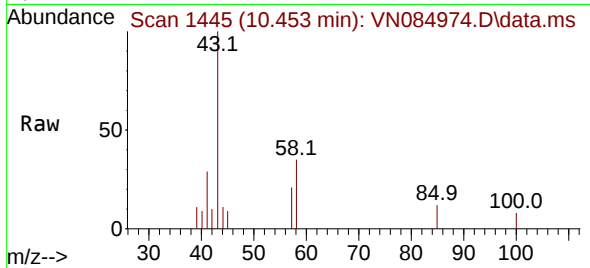




#51
4-Methyl-2-Pentanone
Concen: 1.409 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.012 min
Lab File: VN084974.D
Acq: 20 Nov 2024 17:22

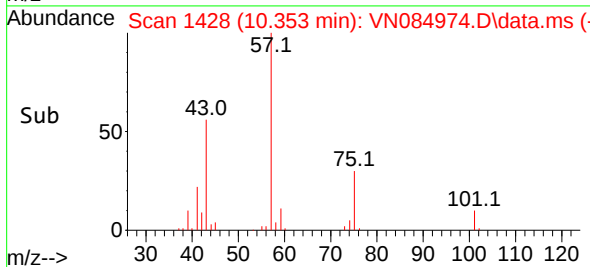
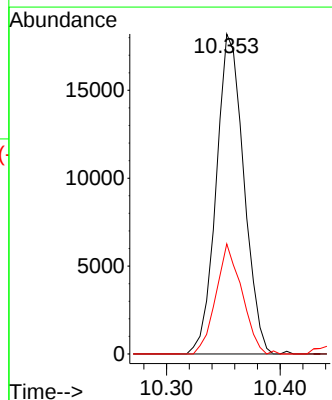
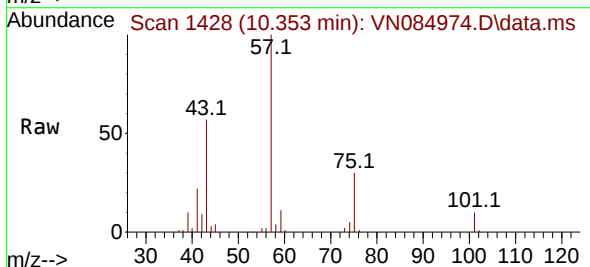
Instrument :
MSVOA_N
ClientSampleId :
MH-759

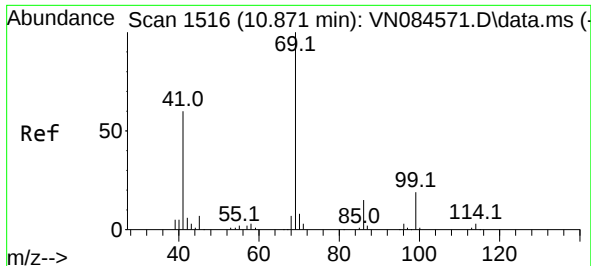
Tgt Ion: 43 Resp: 3525
Ion Ratio Lower Upper
43 100
58 43.3 31.6 47.4



#54
cis-1,3-Dichloropropene
Concen: 8.659 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.041 min
Lab File: VN084974.D
Acq: 20 Nov 2024 17:22

Tgt Ion: 75 Resp: 30750
Ion Ratio Lower Upper
75 100
77 0.0 24.2 36.2#
39 34.4 38.7 58.1#

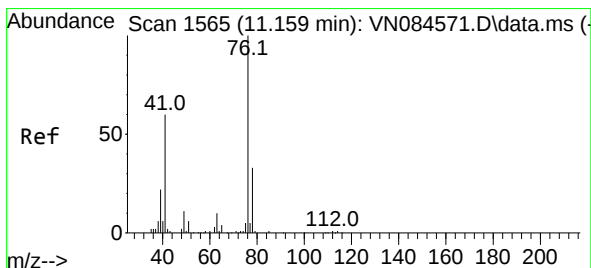
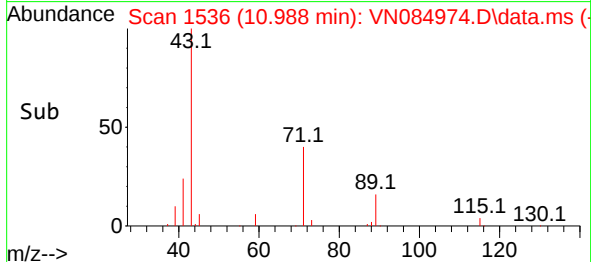
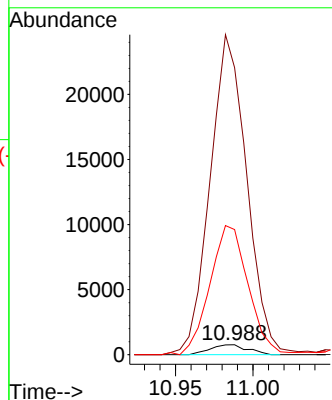
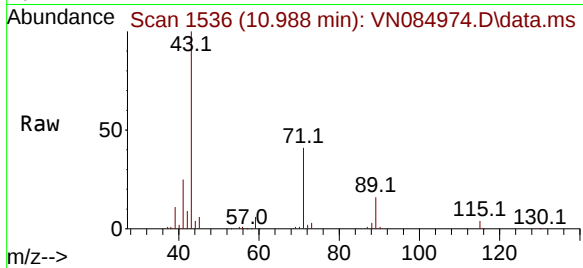




#56
Ethyl methacrylate
Concen: 0.432 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.117 min
Lab File: VN084974.D
Acq: 20 Nov 2024 17:22

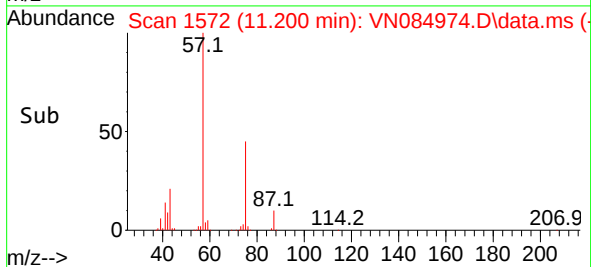
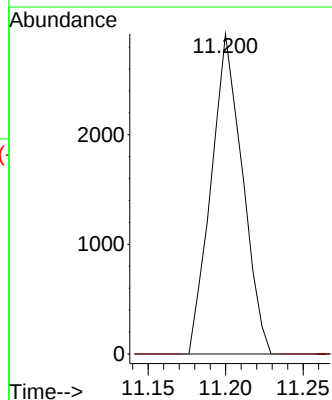
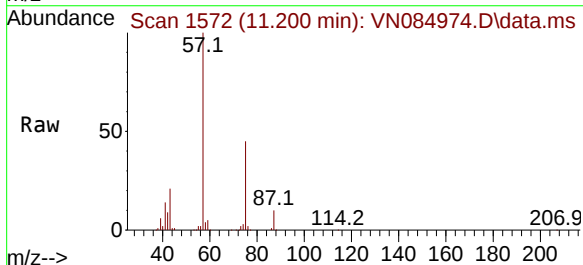
Instrument :
MSVOA_N
ClientSampleId :
MH-759

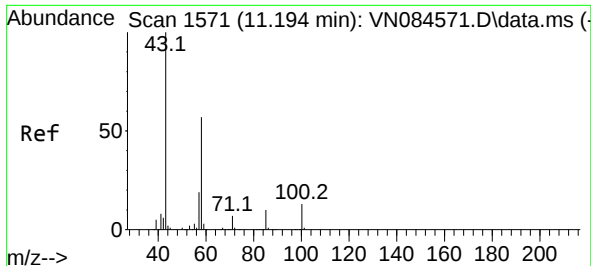
Tgt Ion: 69 Resp: 1280
Ion Ratio Lower Upper
69 100
41 3179.7 53.3 79.9#
39 1334.0 28.8 43.2#



#57
1,3-Dichloropropane
Concen: 1.167 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN084974.D
Acq: 20 Nov 2024 17:22

Tgt Ion: 76 Resp: 4100
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

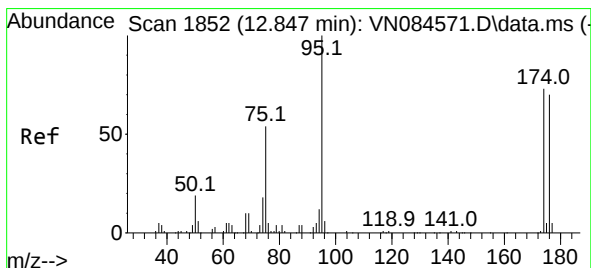
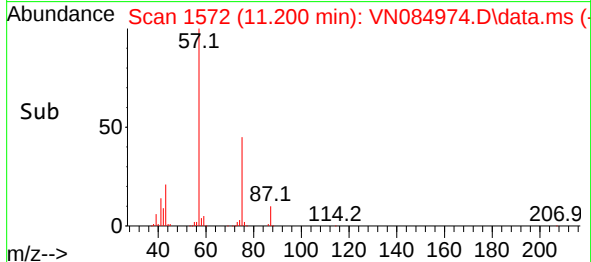
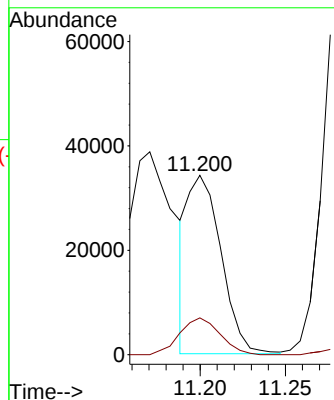
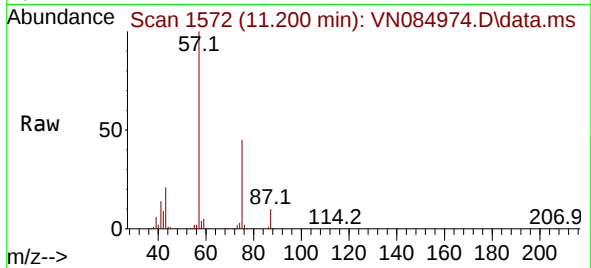




#59
2-Hexanone
Concen: 25.711 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN084974.D
Acq: 20 Nov 2024 17:22

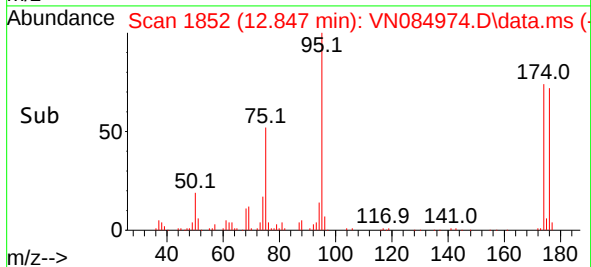
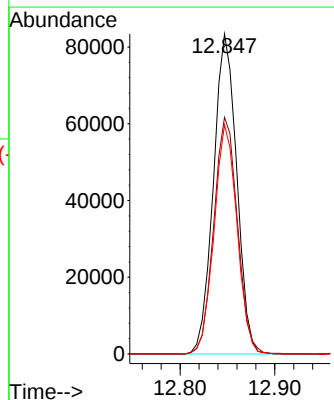
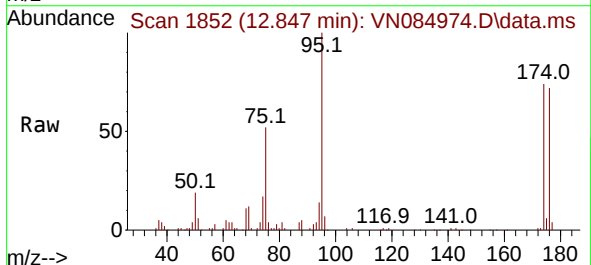
Instrument :
MSVOA_N
ClientSampleId :
MH-759

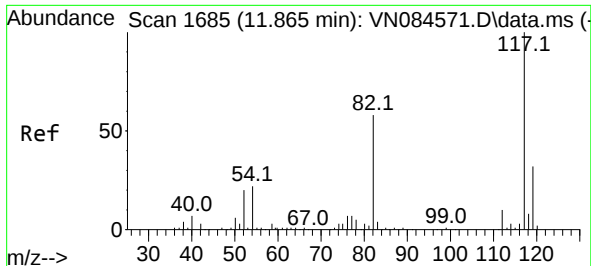
Tgt Ion: 43 Resp: 46825
Ion Ratio Lower Upper
43 100
58 24.8 27.3 81.8#



#62
4-Bromofluorobenzene
Concen: 49.582 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084974.D
Acq: 20 Nov 2024 17:22

Tgt Ion: 95 Resp: 142382
Ion Ratio Lower Upper
95 100
174 75.1 0.0 145.2
176 70.9 0.0 140.0

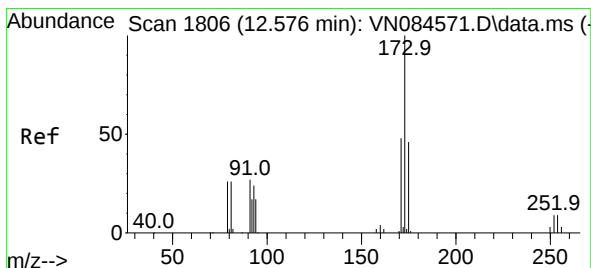
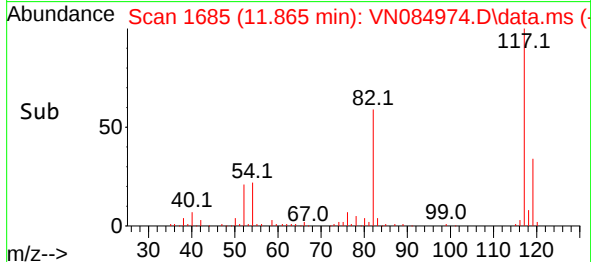
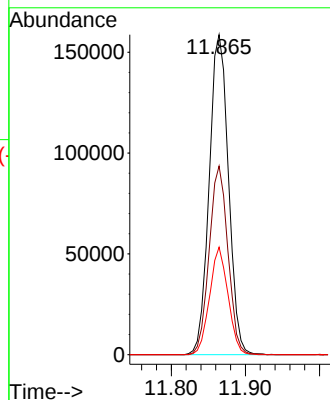
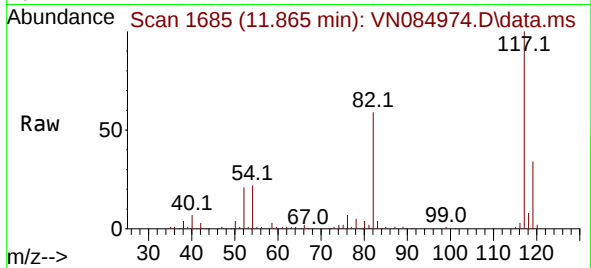




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN084974.D
Acq: 20 Nov 2024 17:22

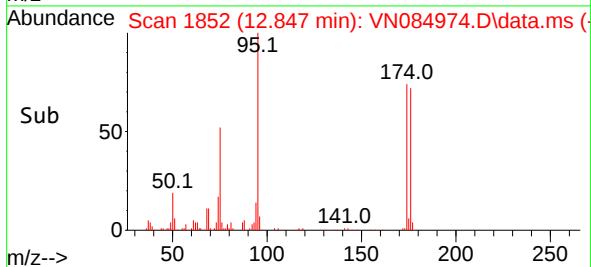
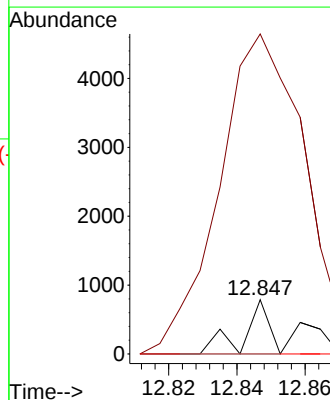
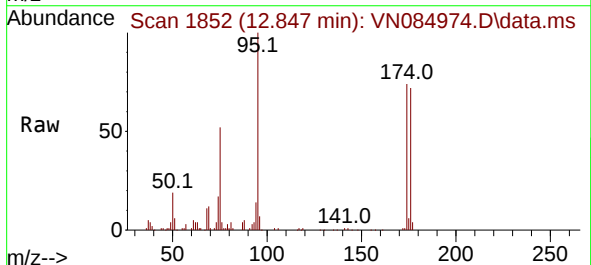
Instrument :
MSVOA_N
ClientSampleId :
MH-759

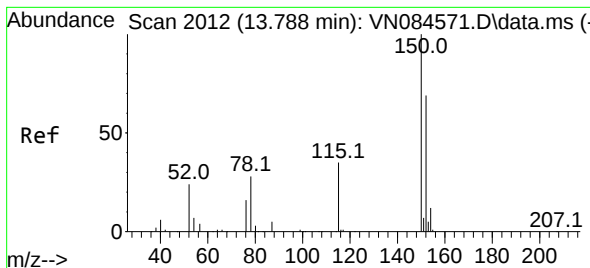
Tgt Ion:117 Resp: 286228
Ion Ratio Lower Upper
117 100
82 59.0 47.2 70.8
119 33.6 25.4 38.0



#71
Bromoform
Concen: 0.242 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.270 min
Lab File: VN084974.D
Acq: 20 Nov 2024 17:22

Tgt Ion:173 Resp: 405
Ion Ratio Lower Upper
173 100
175 1505.2 23.5 70.6#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. 0.006 min

Lab File: VN084974.D

Acq: 20 Nov 2024 17:22

Instrument :

MSVOA_N

ClientSampleId :

MH-759

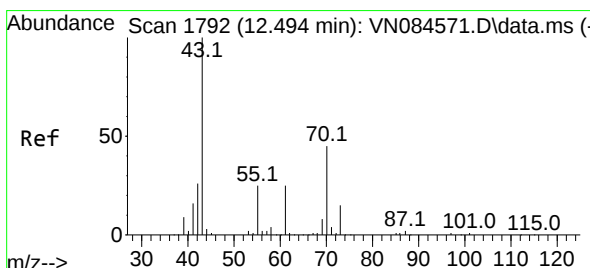
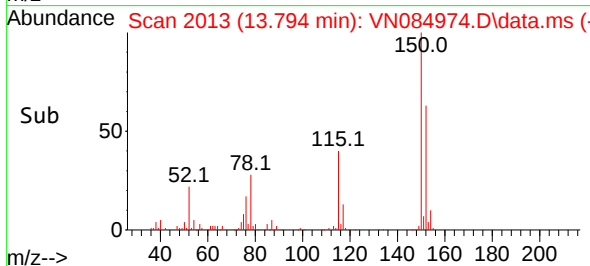
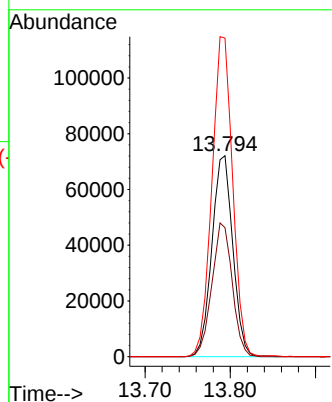
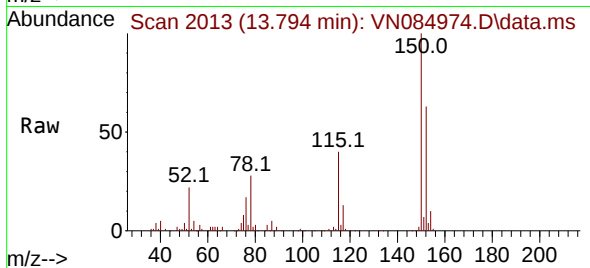
Tgt Ion:152 Resp: 122831

Ion Ratio Lower Upper

152 100

115 64.8 31.3 93.9

150 157.8 0.0 349.8



#74

N-ethyl acetate

Concen: 0.209 ug/l

RT: 12.470 min Scan# 1788

Delta R.T. -0.024 min

Lab File: VN084974.D

Acq: 20 Nov 2024 17:22

Tgt Ion: 43 Resp: 767

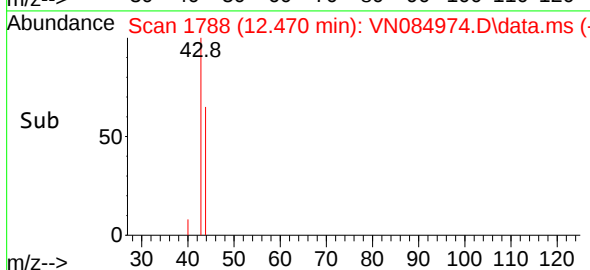
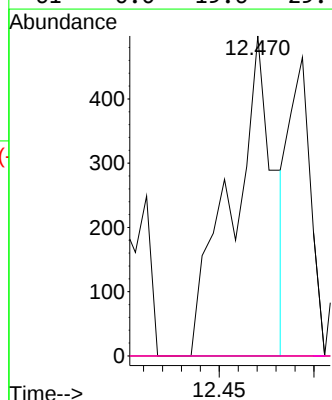
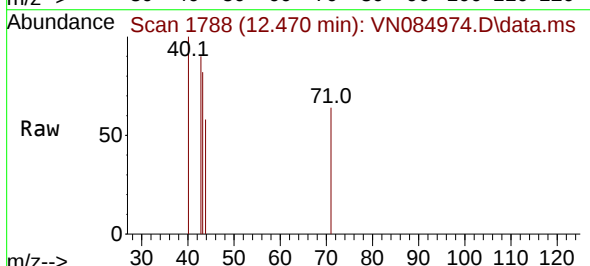
Ion Ratio Lower Upper

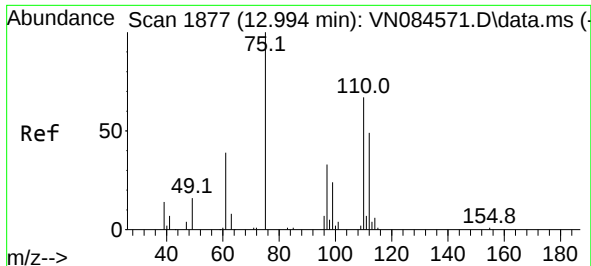
43 100

70 0.0 34.4 51.6#

55 0.0 19.6 29.4#

61 0.0 19.6 29.4#

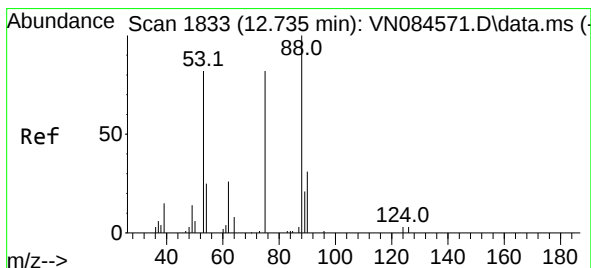
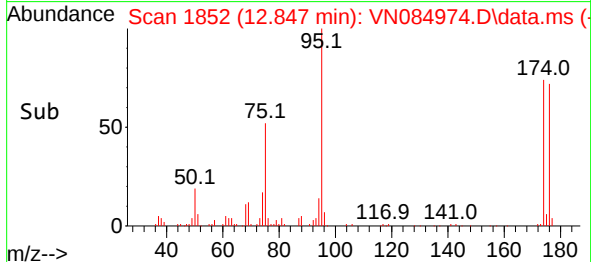
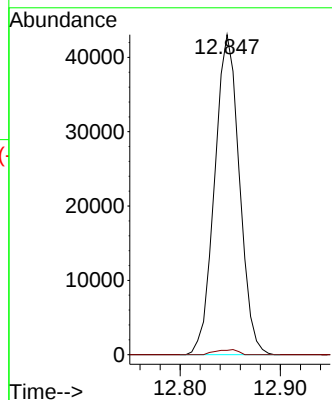
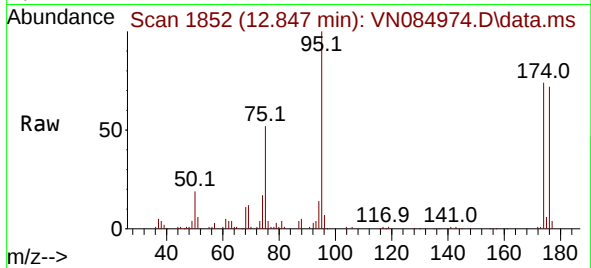




#76
1,2,3-Trichloropropane
Concen: 30.103 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084974.D
Acq: 20 Nov 2024 17:22

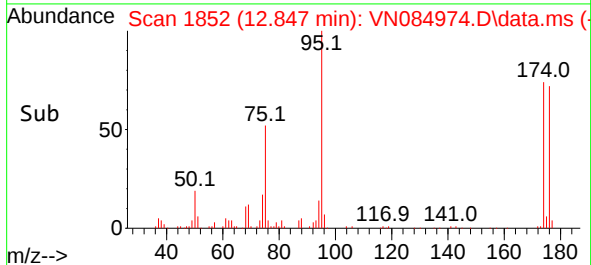
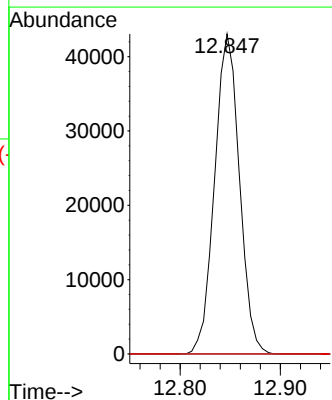
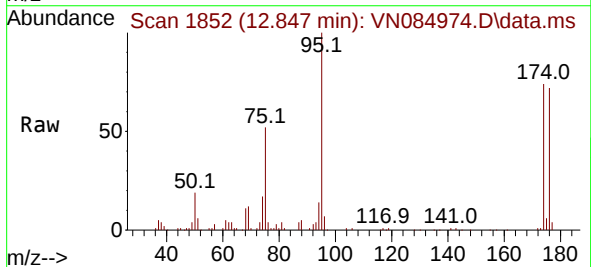
Instrument :
MSVOA_N
ClientSampleId :
MH-759

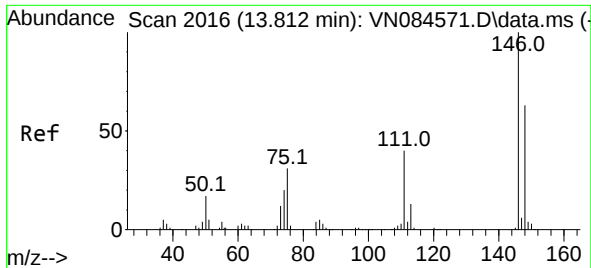
Tgt Ion: 75 Resp: 73913
Ion Ratio Lower Upper
75 100
77 1.4 96.9 290.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.416 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084974.D
Acq: 20 Nov 2024 17:22

Tgt Ion: 75 Resp: 73913
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#





#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.811 min Scan# 20
 Delta R.T. -0.001 min
 Lab File: VN084974.D
 Acq: 20 Nov 2024 17:22

Instrument :
 MSVOA_N
 ClientSampleId :
 MH-759

Tgt Ion:146 Resp: 328
 Ion Ratio Lower Upper
 146 100
 111 462.8 21.2 63.6#
 148 192.1 31.9 95.9#

