

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112624\
 Data File : VN085046.D
 Acq On : 26 Nov 2024 16:35
 Operator : JC\MD
 Sample : P5000-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MH-733

Quant Time: Nov 27 05:17:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

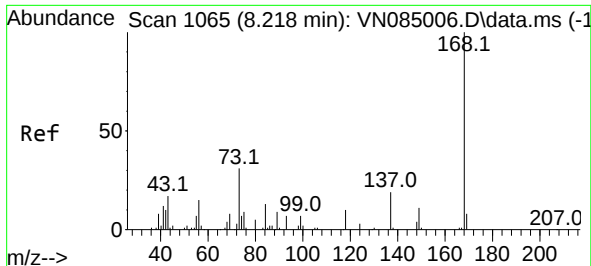
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.218	168	156639	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	285590	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	259624	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	105556	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	118192	52.972	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.940%			
35) Dibromofluoromethane	8.165	113	94793	49.220	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.440%			
50) Toluene-d8	10.565	98	338992	49.115	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.220%			
62) 4-Bromofluorobenzene	12.847	95	120921	46.848	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.700%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.354	50	582	0.283	ug/l #	40
11) Tert butyl alcohol	5.553	59	1356	4.548	ug/l #	75
13) Acrolein	4.183	56	389	1.955	ug/l #	56
16) Acetone	4.430	43	65433	100.695	ug/l	96
18) Methyl Acetate	5.024	43	6650	2.103	ug/l #	82
20) Methylene Chloride	5.259	84	2573	1.298	ug/l #	80
23) Vinyl Acetate	6.471	43	1597	0.410	ug/l #	71
25) 2-Butanone	7.489	43	7464	7.026	ug/l	92
29) Tetrahydrofuran	7.847	42	138	0.209	ug/l #	31
31) Cyclohexane	8.224	56	3494	1.176	ug/l #	8
36) 1,1-Dichloropropene	8.218	75	13926	5.338	ug/l #	50
37) Ethyl Acetate	7.565	43	3061	1.291	ug/l #	80
38) Carbon Tetrachloride	8.218	117	17031	5.656	ug/l #	15
40) Benzene	8.606	78	2793	0.339	ug/l	100
42) 1,2-Dichloroethane	8.683	62	666	0.236	ug/l #	75
43) Isopropyl Acetate	8.688	43	316730	64.296	ug/l #	69
45) 1,2-Dichloropropane	9.735	63	1299	0.639	ug/l #	45
48) Methyl methacrylate	9.659	41	3223	1.758	ug/l #	37
51) 4-Methyl-2-Pentanone	10.441	43	11776	5.234	ug/l #	72
54) cis-1,3-Dichloropropene	10.359	75	34527	10.847	ug/l #	69
56) Ethyl methacrylate	10.982	69	1519	0.571	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4927	1.539	ug/l #	42
59) 2-Hexanone	11.200	43	55139	32.766	ug/l #	55
74) N-amyl acetate	12.482	43	890	0.290	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	64778	33.739	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	64778	74.481	ug/l #	10

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

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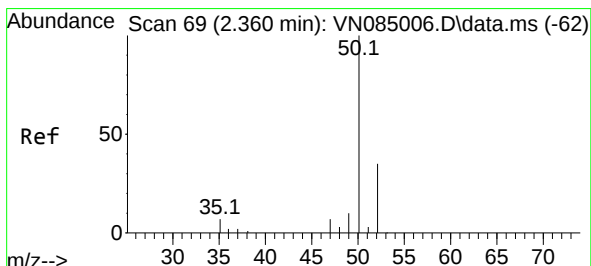
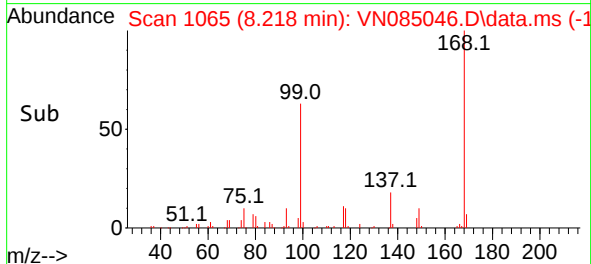
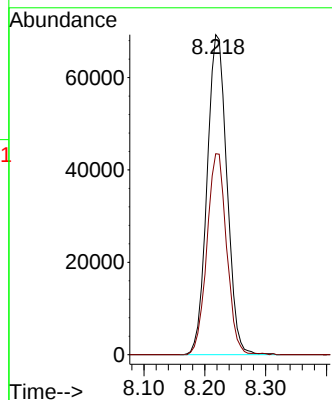
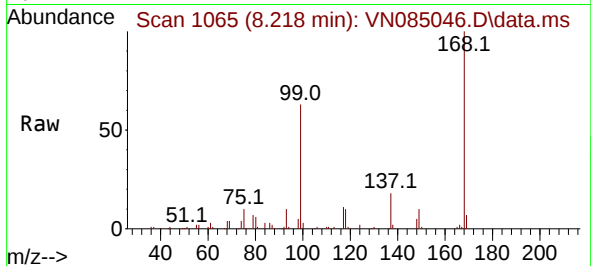




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN085046.D
Acq: 26 Nov 2024 16:35

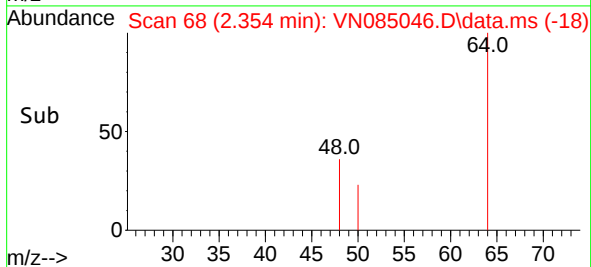
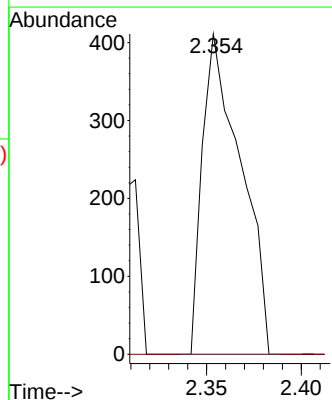
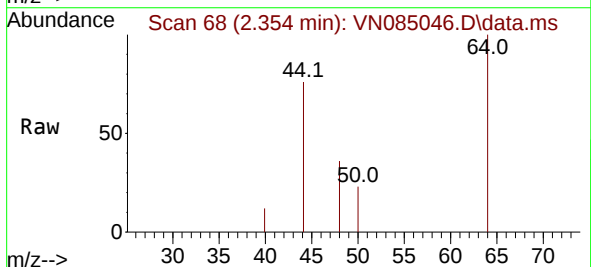
Instrument :
MSVOA_N
ClientSampleId :
MH-733

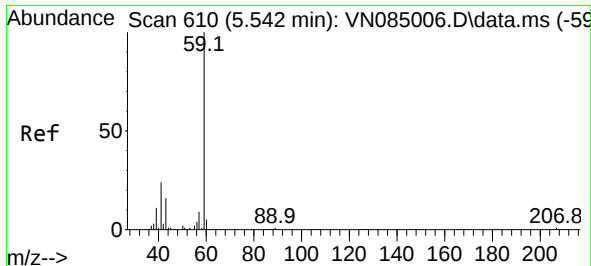
Tgt Ion:168 Resp: 156639
Ion Ratio Lower Upper
168 100
99 62.8 51.2 76.8



#3
Chloromethane
Concen: 0.283 ug/l
RT: 2.354 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN085046.D
Acq: 26 Nov 2024 16:35

Tgt Ion: 50 Resp: 582
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.8#

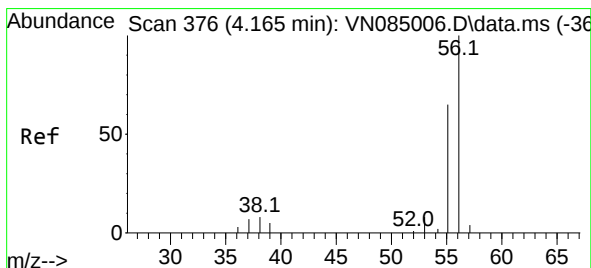
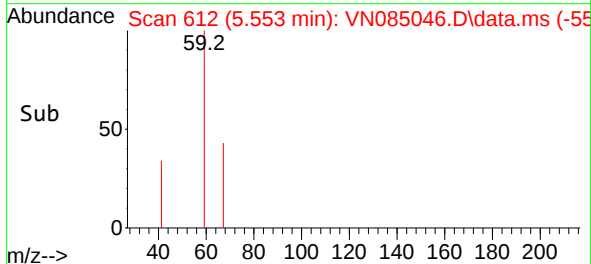
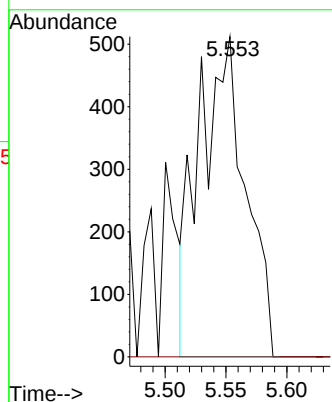
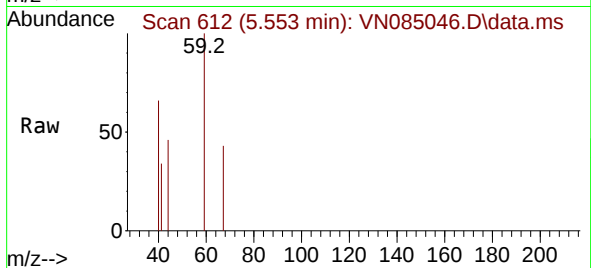




#11
Tert butyl alcohol
Concen: 4.548 ug/l
RT: 5.553 min Scan# 610
Delta R.T. 0.012 min
Lab File: VN085046.D
Acq: 26 Nov 2024 16:35

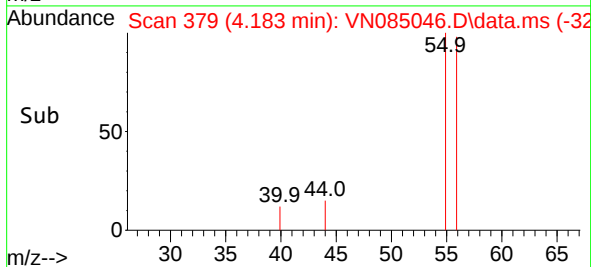
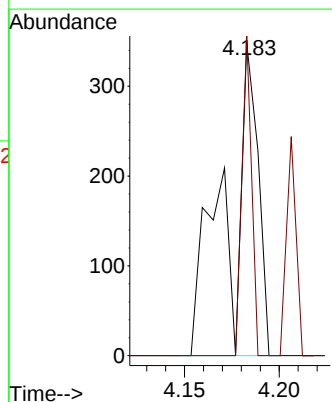
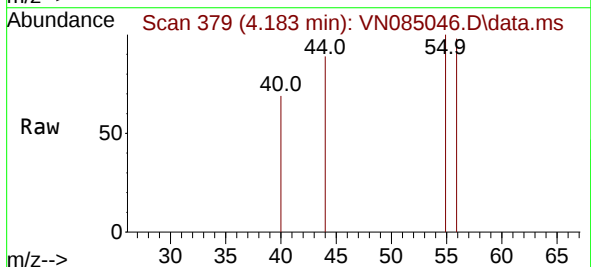
Instrument :
MSVOA_N
ClientSampleId :
MH-733

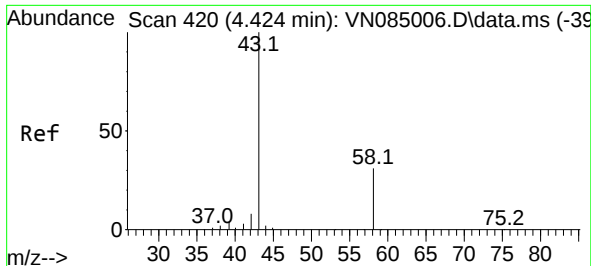
Tgt Ion: 59 Resp: 1356
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#



#13
Acrolein
Concen: 1.955 ug/l
RT: 4.183 min Scan# 379
Delta R.T. 0.018 min
Lab File: VN085046.D
Acq: 26 Nov 2024 16:35

Tgt Ion: 56 Resp: 389
Ion Ratio Lower Upper
56 100
55 32.4 54.5 81.7#

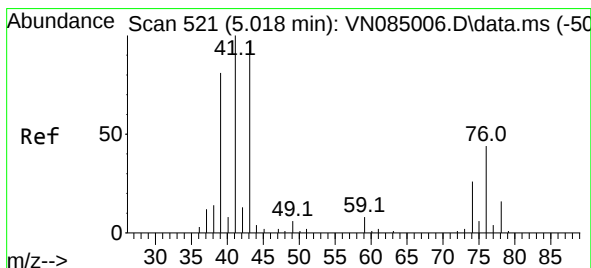
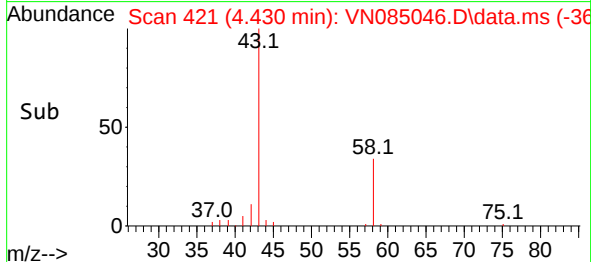
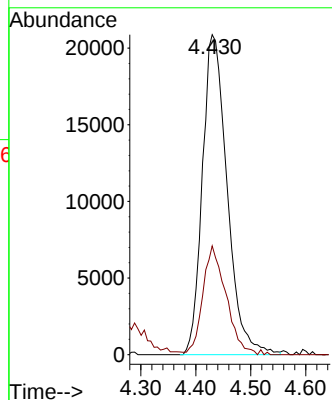
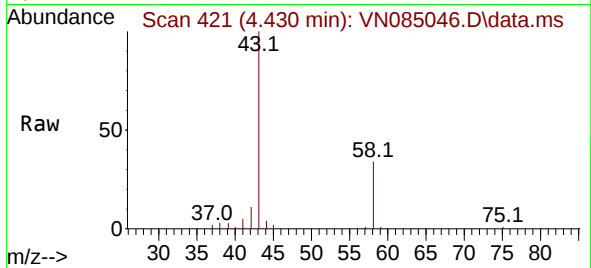




#16
Acetone
Concen: 100.695 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN085046.D
Acq: 26 Nov 2024 16:35

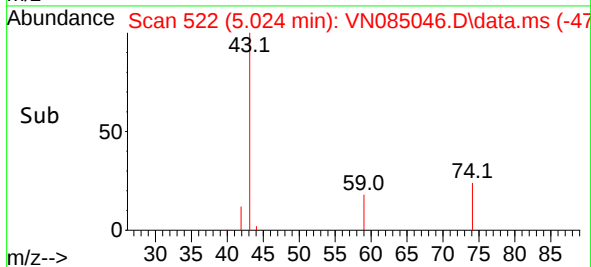
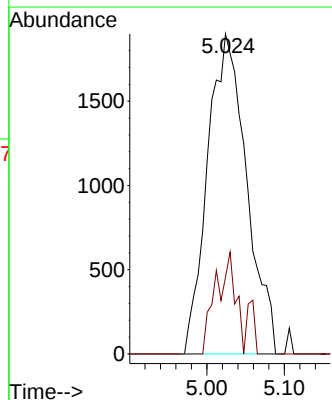
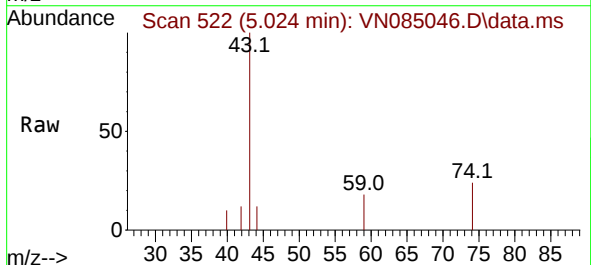
Instrument :
MSVOA_N
ClientSampleId :
MH-733

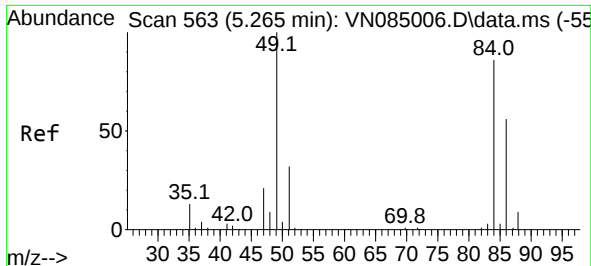
Tgt Ion: 43 Resp: 65433
Ion Ratio Lower Upper
43 100
58 34.0 25.4 38.2



#18
Methyl Acetate
Concen: 2.103 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085046.D
Acq: 26 Nov 2024 16:35

Tgt Ion: 43 Resp: 6650
Ion Ratio Lower Upper
43 100
74 16.2 20.1 30.1#



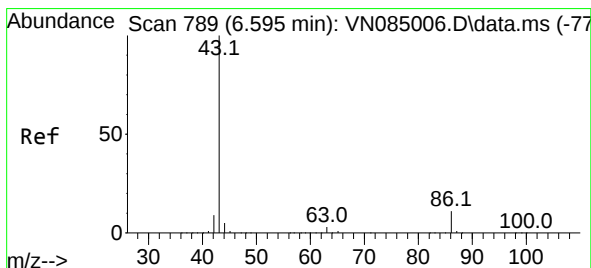
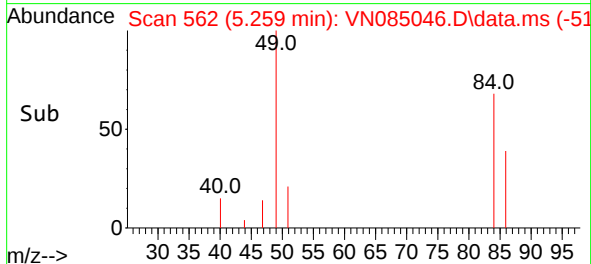
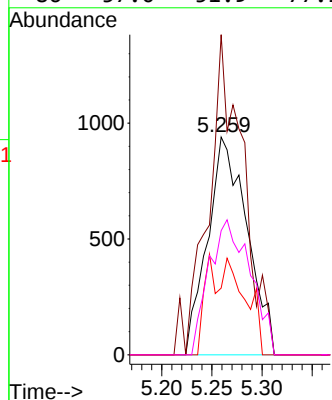
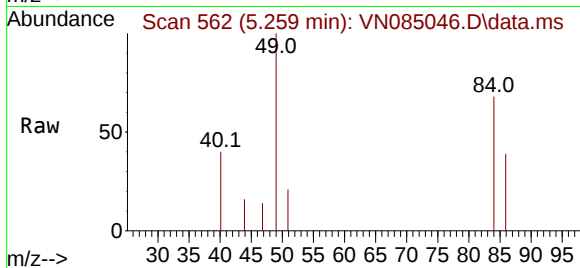


#20
Methylene Chloride
Concen: 1.298 ug/l
RT: 5.259 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN085046.D
Acq: 26 Nov 2024 16:35

Instrument :
MSVOA_N
ClientSampleId :
MH-733

Tgt Ion: 84 Resp: 2573

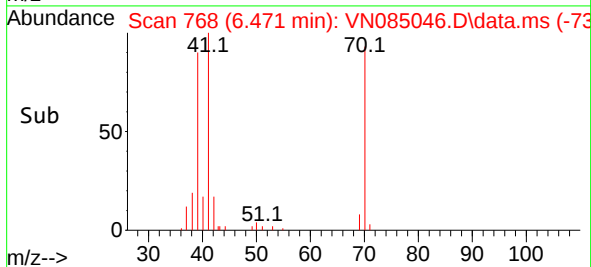
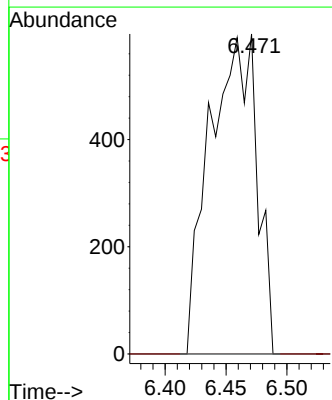
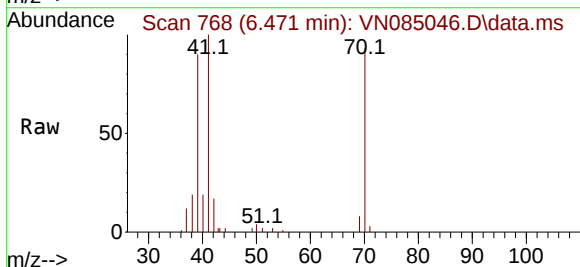
Ion	Ratio	Lower	Upper
84	100		
49	147.0	92.7	139.1#
51	30.6	29.4	44.2
86	57.0	51.9	77.9

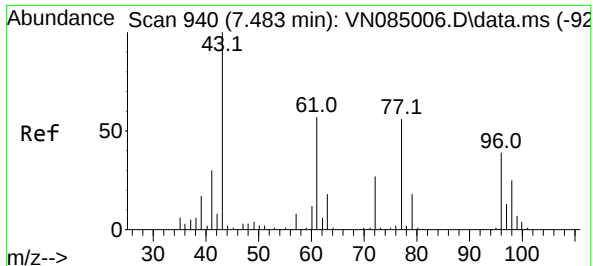


#23
Vinyl Acetate
Concen: 0.410 ug/l
RT: 6.471 min Scan# 768
Delta R.T. -0.124 min
Lab File: VN085046.D
Acq: 26 Nov 2024 16:35

Tgt Ion: 43 Resp: 1597

Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.9	13.3#





#25

2-Butanone

Concen: 7.026 ug/l

RT: 7.489 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN085046.D

Acq: 26 Nov 2024 16:35

Instrument :

MSVOA_N

ClientSampleId :

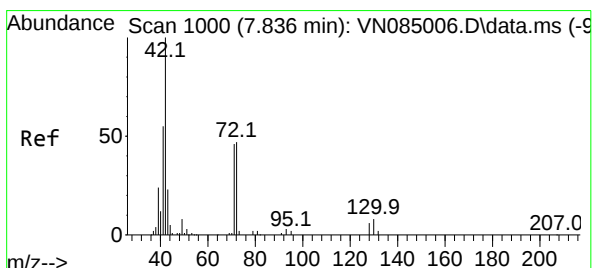
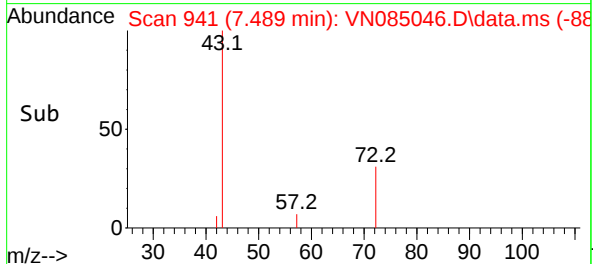
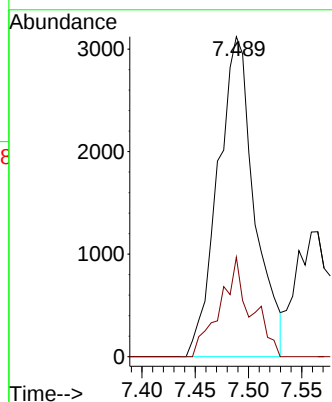
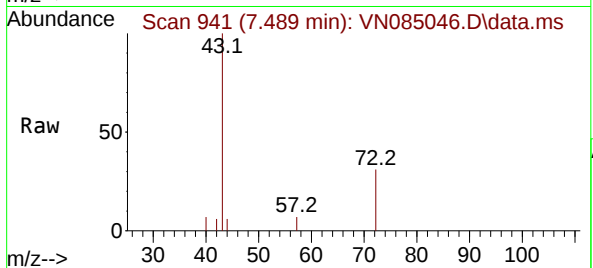
MH-733

Tgt Ion: 43 Resp: 7464

Ion Ratio Lower Upper

43 100

72 31.1 21.4 32.0



#29

Tetrahydrofuran

Concen: 0.209 ug/l

RT: 7.847 min Scan# 1002

Delta R.T. 0.012 min

Lab File: VN085046.D

Acq: 26 Nov 2024 16:35

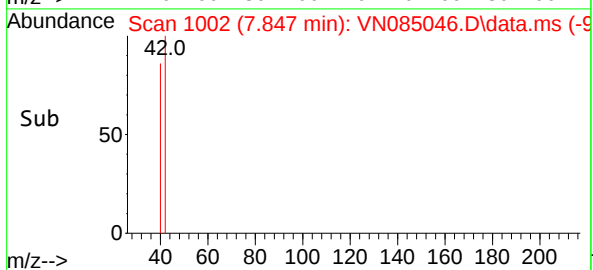
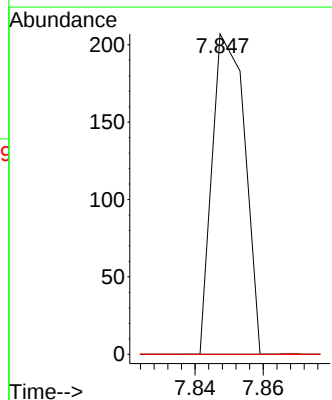
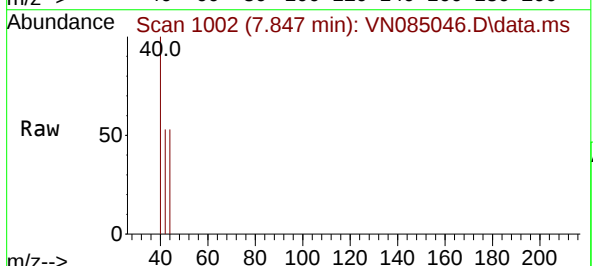
Tgt Ion: 42 Resp: 138

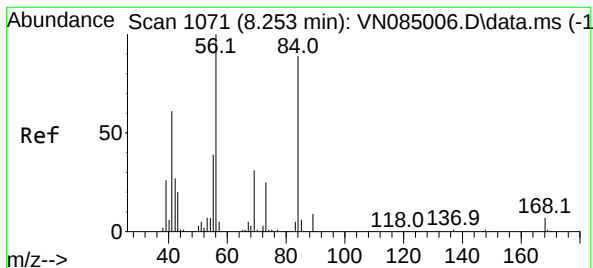
Ion Ratio Lower Upper

42 100

72 0.0 37.0 55.4#

71 0.0 35.0 52.4#





#31

Cyclohexane

Concen: 1.176 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.029 min

Lab File: VN085046.D

Acq: 26 Nov 2024 16:35

Instrument :

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ClientSampleId :

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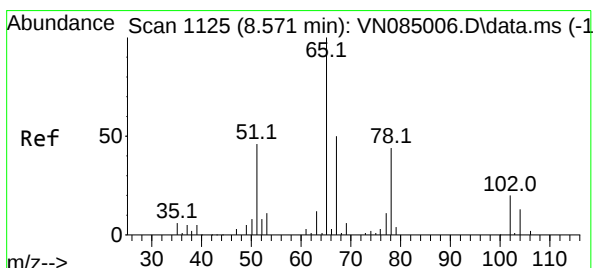
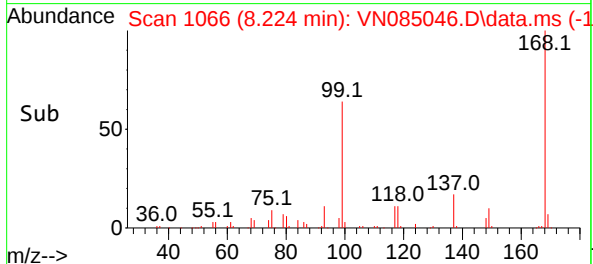
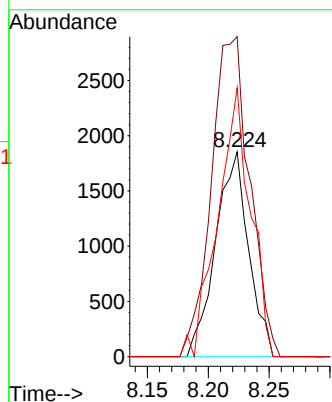
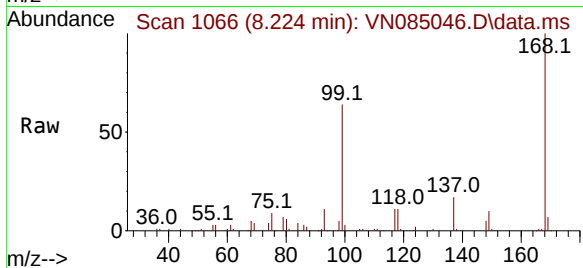
Tgt Ion: 56 Resp: 3494

Ion Ratio Lower Upper

56 100

69 156.3 24.6 36.8#

84 131.4 71.4 107.2#



#33

1,2-Dichloroethane-d4

Concen: 52.972 ug/l

RT: 8.571 min Scan# 1125

Delta R.T. -0.000 min

Lab File: VN085046.D

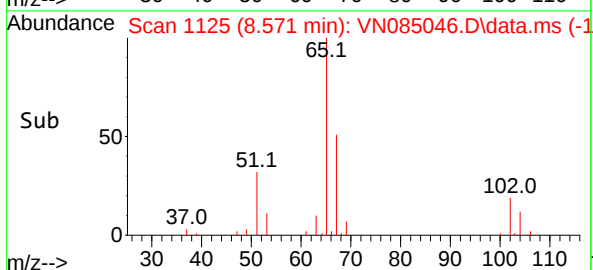
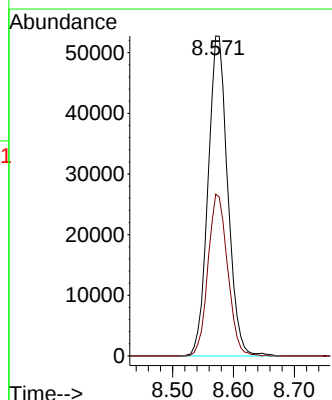
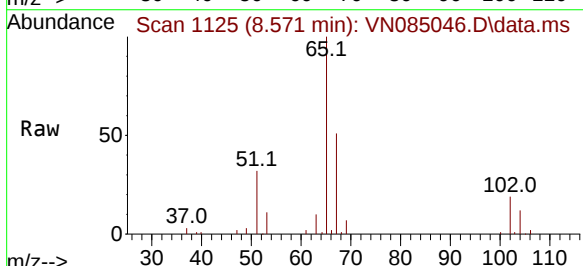
Acq: 26 Nov 2024 16:35

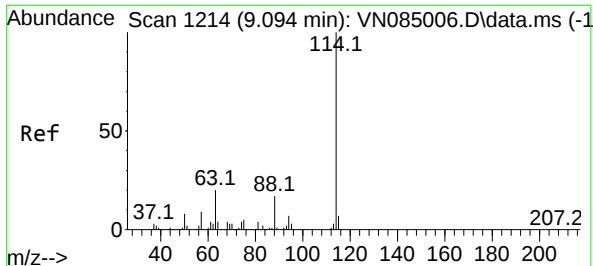
Tgt Ion: 65 Resp: 118192

Ion Ratio Lower Upper

65 100

67 50.6 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN085046.D

Acq: 26 Nov 2024 16:35

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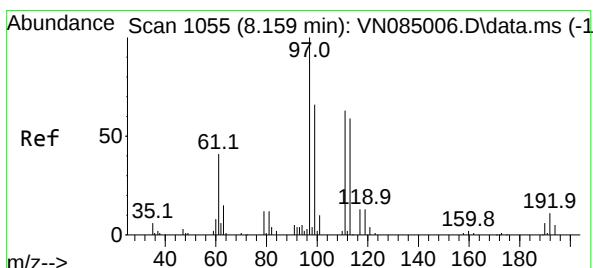
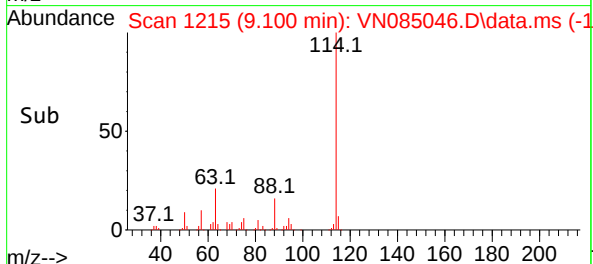
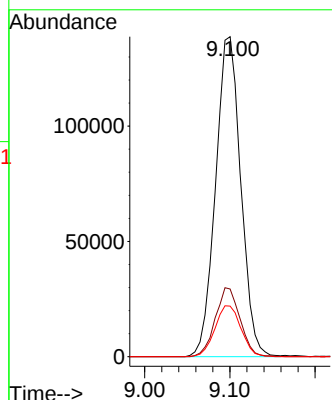
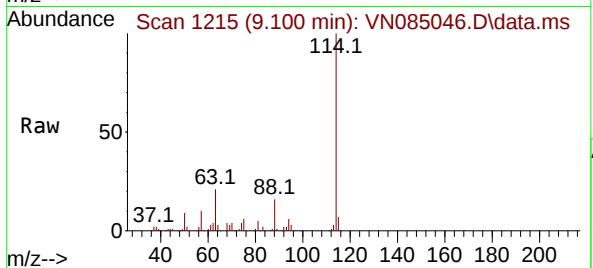
Tgt Ion:114 Resp: 285590

Ion Ratio Lower Upper

114 100

63 21.2 0.0 41.0

88 15.8 0.0 34.8



#35

Dibromofluoromethane

Concen: 49.220 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085046.D

Acq: 26 Nov 2024 16:35

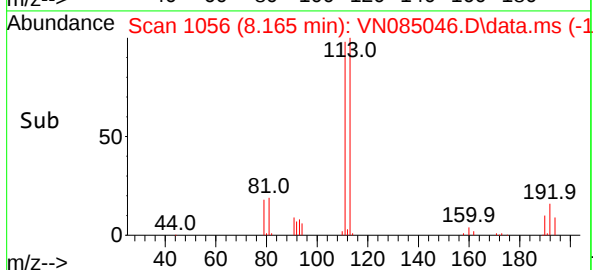
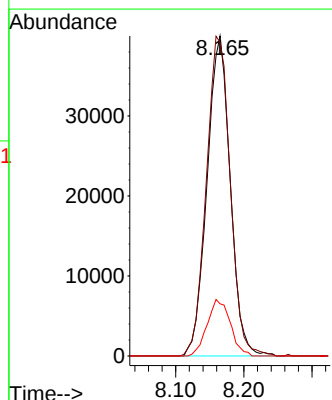
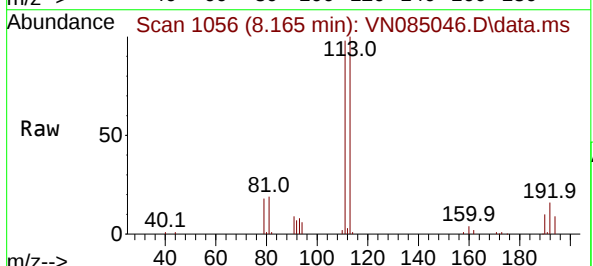
Tgt Ion:113 Resp: 94793

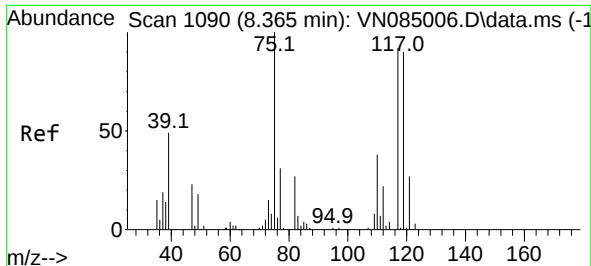
Ion Ratio Lower Upper

113 100

111 103.0 82.0 123.0

192 17.6 14.8 22.2





#36

1,1-Dichloropropene

Concen: 5.338 ug/l

RT: 8.218 min Scan# 1

Delta R.T. -0.147 min

Lab File: VN085046.D

Acq: 26 Nov 2024 16:35

Instrument :

MSVOA_N

ClientSampleId :

MH-733

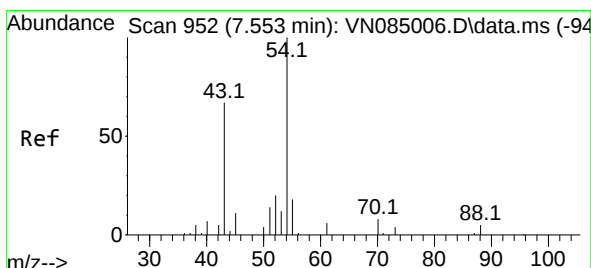
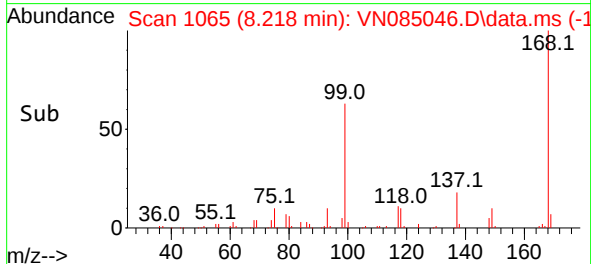
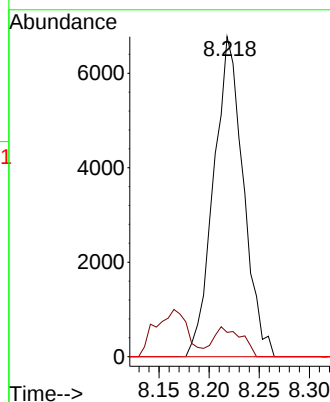
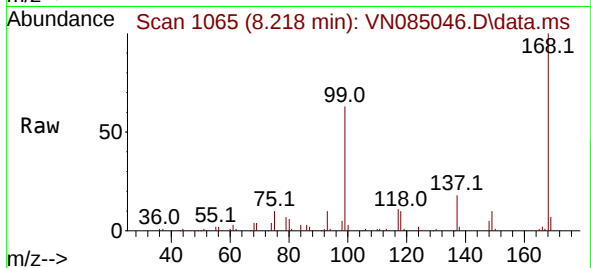
Tgt Ion: 75 Resp: 13926

Ion Ratio Lower Upper

75 100

110 8.8 17.2 51.6#

77 0.0 24.2 36.4#



#37

Ethyl Acetate

Concen: 1.291 ug/l

RT: 7.565 min Scan# 954

Delta R.T. 0.012 min

Lab File: VN085046.D

Acq: 26 Nov 2024 16:35

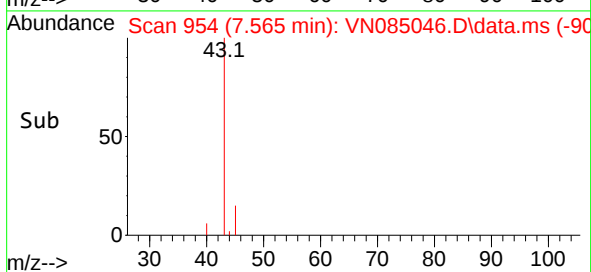
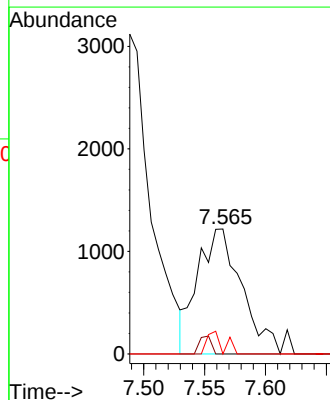
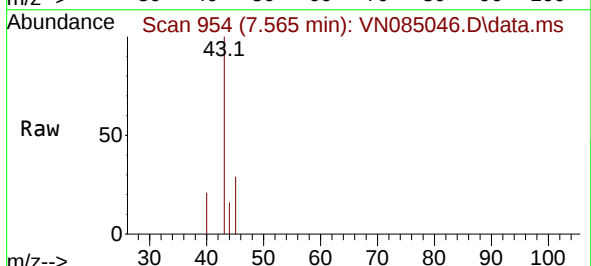
Tgt Ion: 43 Resp: 3061

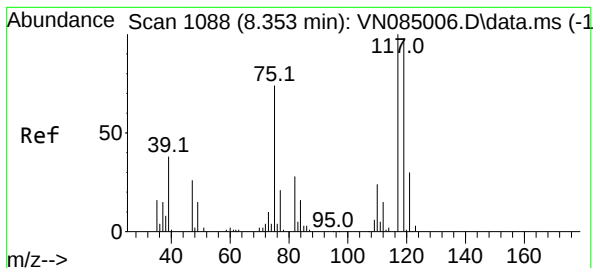
Ion Ratio Lower Upper

43 100

61 3.9 11.7 17.5#

70 6.6 9.3 13.9#





#38

Carbon Tetrachloride

Concen: 5.656 ug/l

RT: 8.218 min Scan# 1106

Delta R.T. -0.135 min

Lab File: VN085046.D

Acq: 26 Nov 2024 16:35

Instrument :

MSVOA_N

ClientSampleId :

MH-733

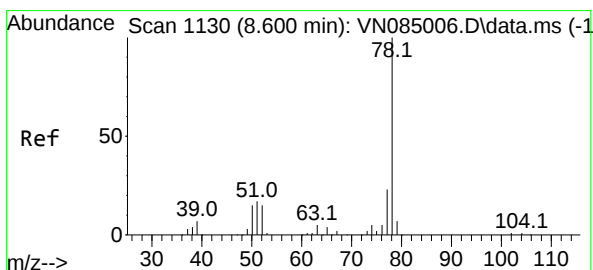
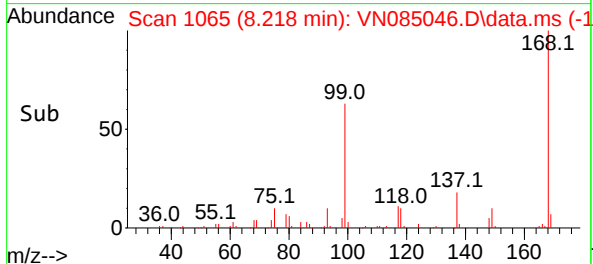
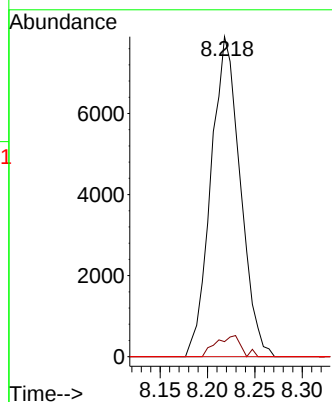
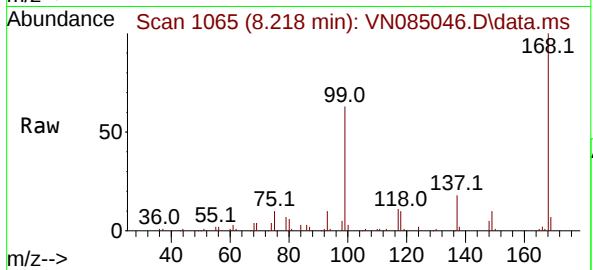
Tgt Ion:117 Resp: 17031

Ion Ratio Lower Upper

117 100

119 4.7 78.6 117.8#

121 0.0 24.2 36.2#



#40

Benzene

Concen: 0.339 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VN085046.D

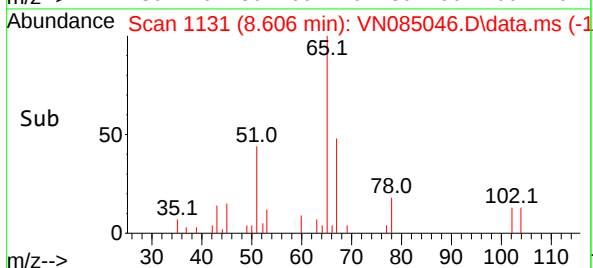
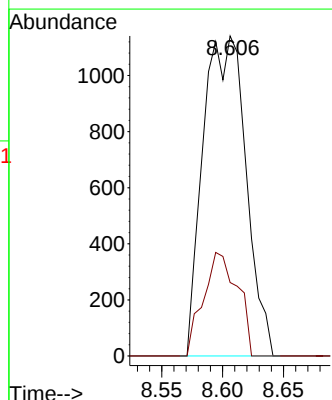
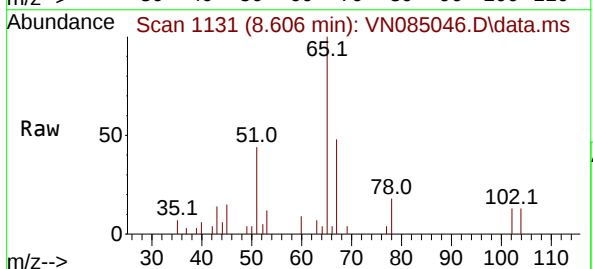
Acq: 26 Nov 2024 16:35

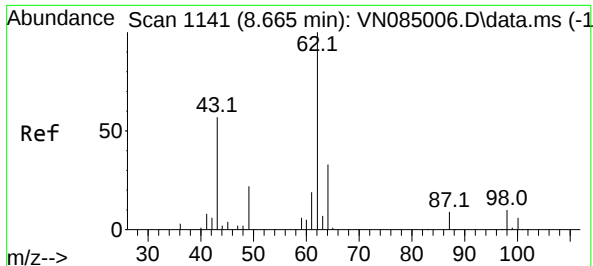
Tgt Ion: 78 Resp: 2793

Ion Ratio Lower Upper

78 100

77 23.0 18.5 27.7





#42

1,2-Dichloroethane

Concen: 0.236 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. 0.018 min

Lab File: VN085046.D

Acq: 26 Nov 2024 16:35

Instrument :

MSVOA_N

ClientSampleId :

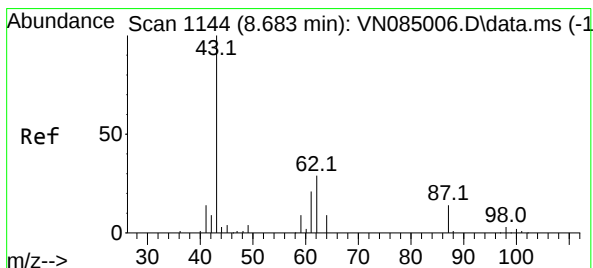
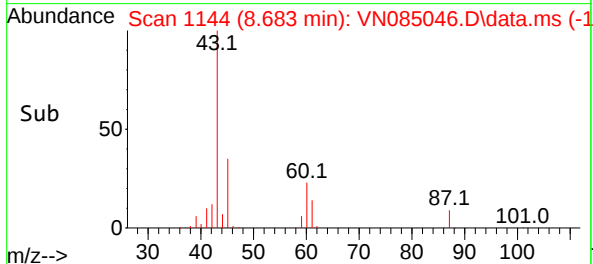
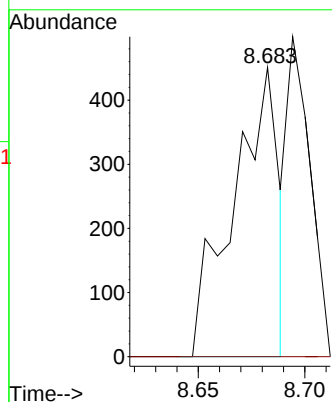
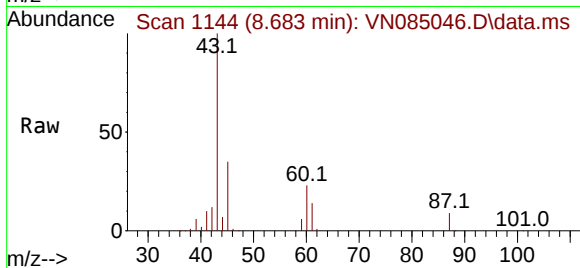
MH-733

Tgt Ion: 62 Resp: 666

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



#43

Isopropyl Acetate

Concen: 64.296 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.006 min

Lab File: VN085046.D

Acq: 26 Nov 2024 16:35

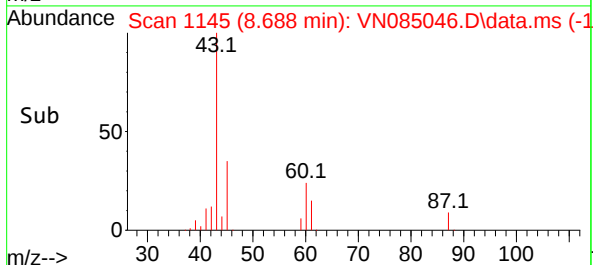
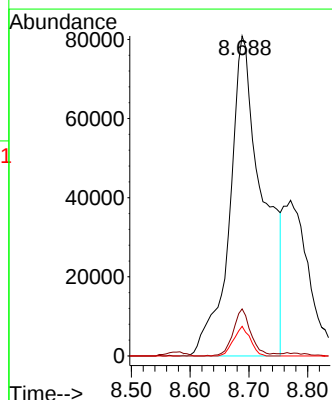
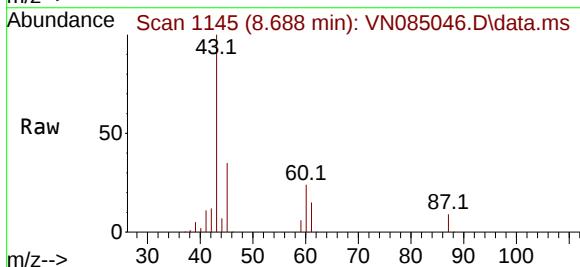
Tgt Ion: 43 Resp: 316730

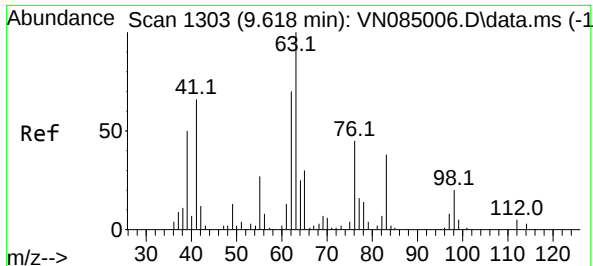
Ion Ratio Lower Upper

43 100

61 7.8 20.6 30.8#

87 4.6 11.0 16.4#





#45

1,2-Dichloropropane

Concen: 0.639 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN085046.D

Acq: 26 Nov 2024 16:35

Instrument :

MSVOA_N

ClientSampleId :

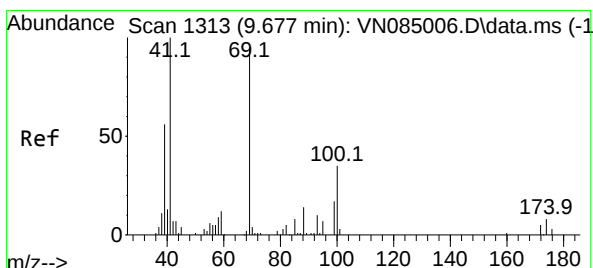
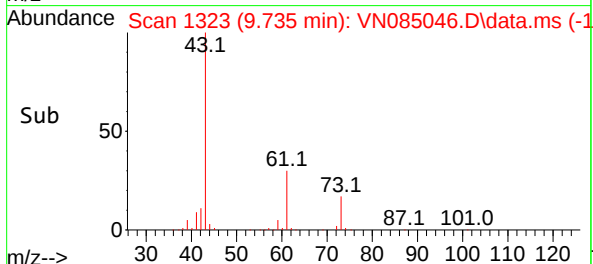
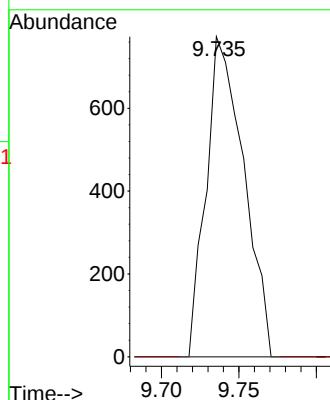
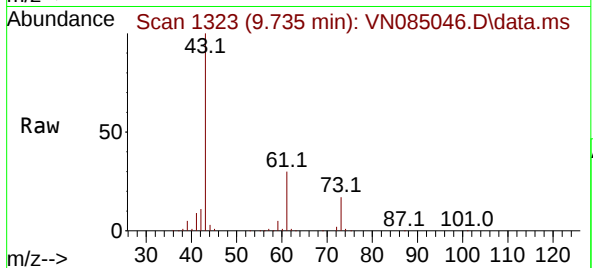
MH-733

Tgt Ion: 63 Resp: 1299

Ion Ratio Lower Upper

63 100

65 0.0 24.0 36.0#



#48

Methyl methacrylate

Concen: 1.758 ug/l

RT: 9.659 min Scan# 1310

Delta R.T. -0.018 min

Lab File: VN085046.D

Acq: 26 Nov 2024 16:35

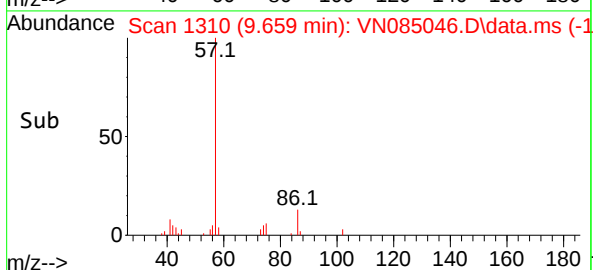
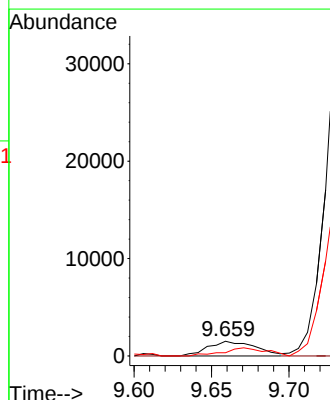
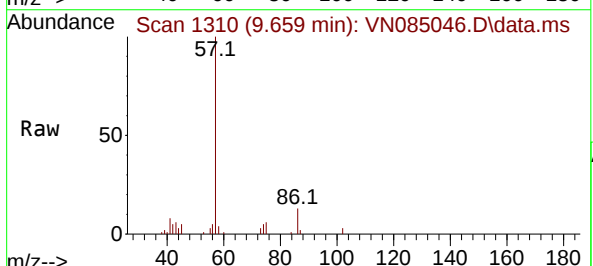
Tgt Ion: 41 Resp: 3223

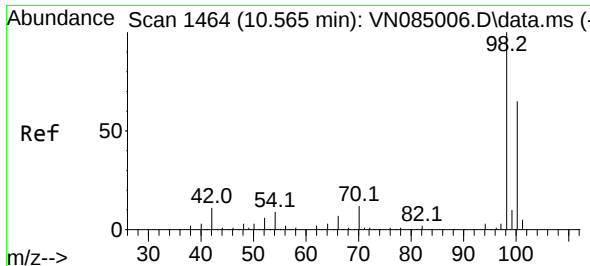
Ion Ratio Lower Upper

41 100

69 0.0 73.2 109.8#

39 50.0 46.2 69.4

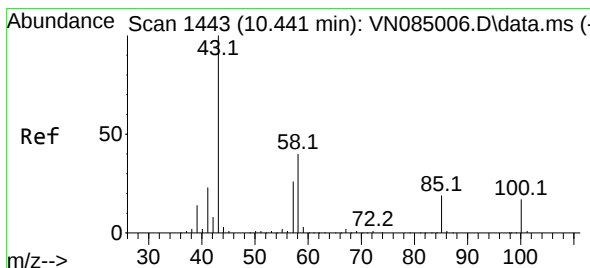
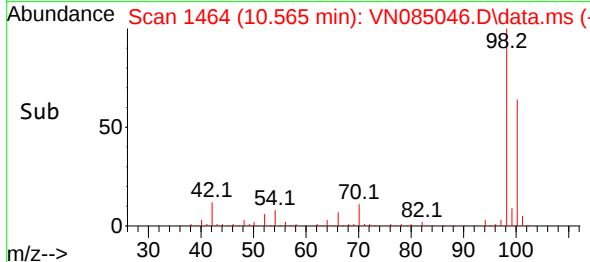
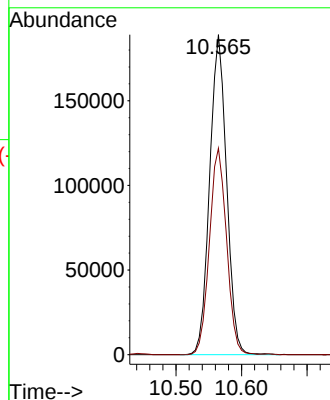
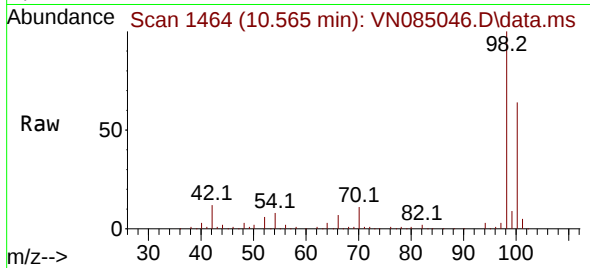




#50
Toluene-d8
Concen: 49.115 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085046.D
Acq: 26 Nov 2024 16:35

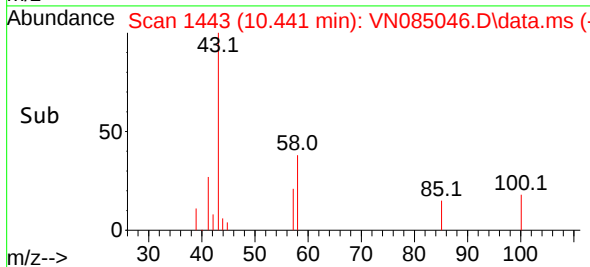
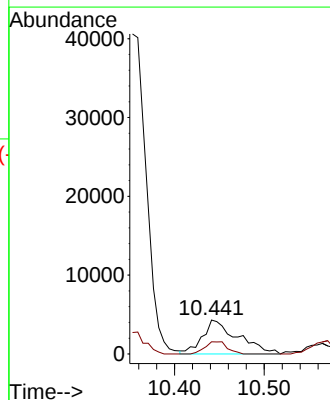
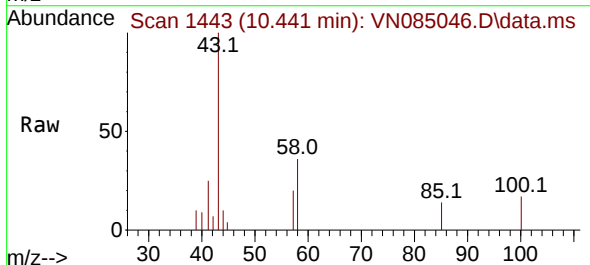
Instrument :
MSVOA_N
ClientSampleId :
MH-733

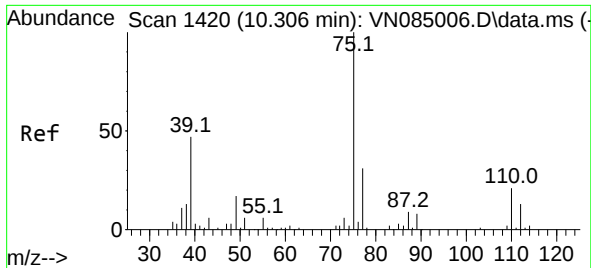
Tgt Ion: 98 Resp: 338992
Ion Ratio Lower Upper
98 100
100 65.3 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 5.234 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN085046.D
Acq: 26 Nov 2024 16:35

Tgt Ion: 43 Resp: 11776
Ion Ratio Lower Upper
43 100
58 22.7 32.1 48.1#

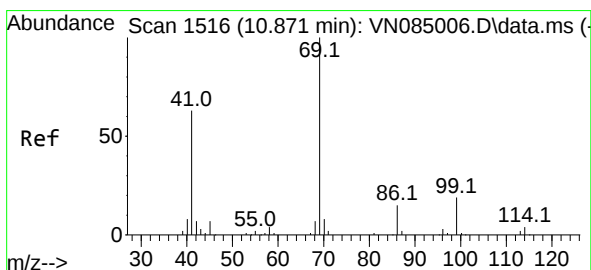
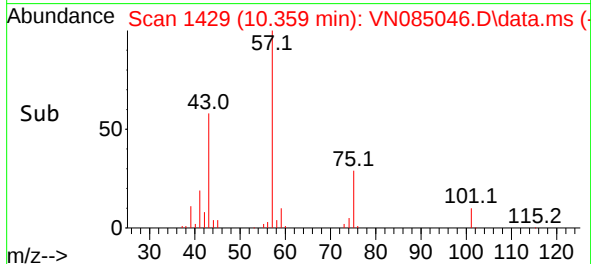
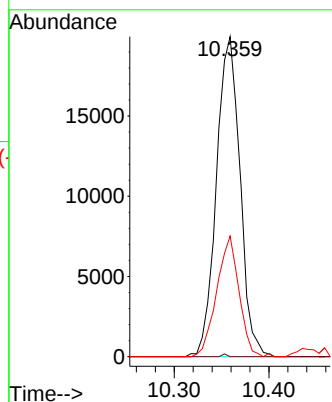
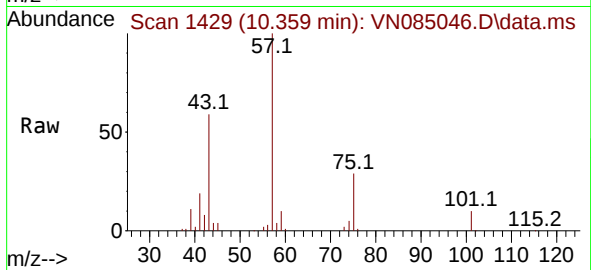




#54
cis-1,3-Dichloropropene
Concen: 10.847 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.053 min
Lab File: VN085046.D
Acq: 26 Nov 2024 16:35

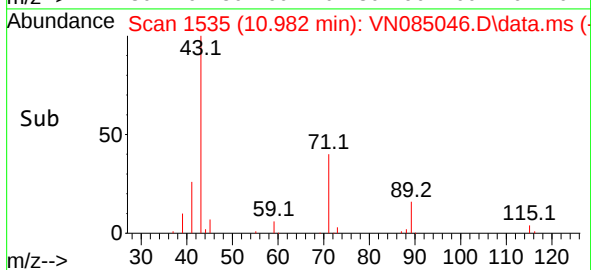
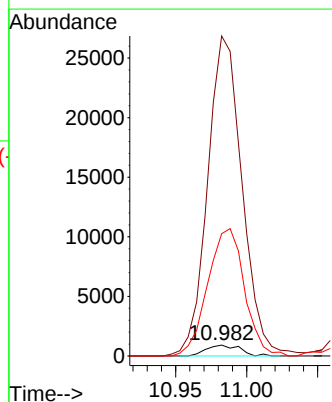
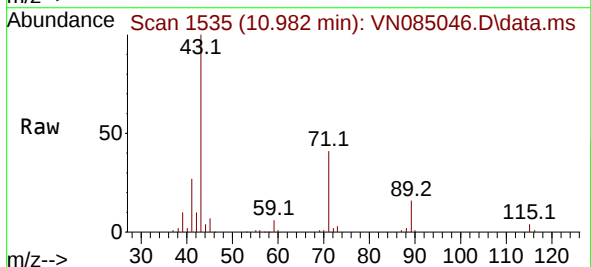
Instrument :
MSVOA_N
ClientSampleId :
MH-733

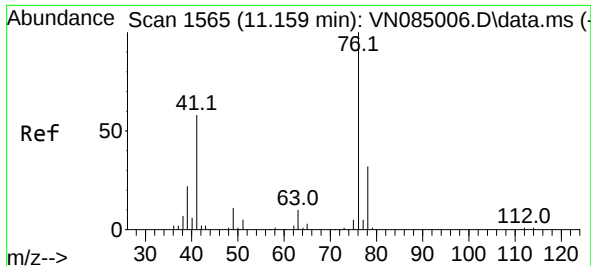
Tgt Ion: 75 Resp: 34527
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.4#
39 37.7 37.6 56.4



#56
Ethyl methacrylate
Concen: 0.571 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.112 min
Lab File: VN085046.D
Acq: 26 Nov 2024 16:35

Tgt Ion: 69 Resp: 1519
Ion Ratio Lower Upper
69 100
41 2998.9 50.0 75.0#
39 1263.2 27.0 40.6#





#57

1,3-Dichloropropane

Concen: 1.539 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN085046.D

Acq: 26 Nov 2024 16:35

Instrument :

MSVOA_N

ClientSampleId :

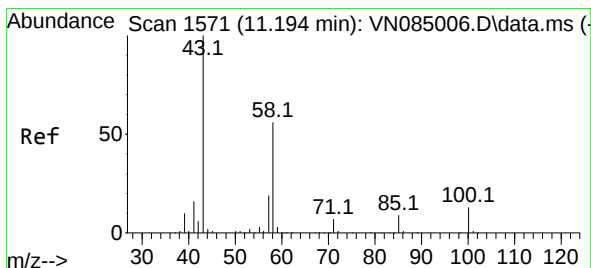
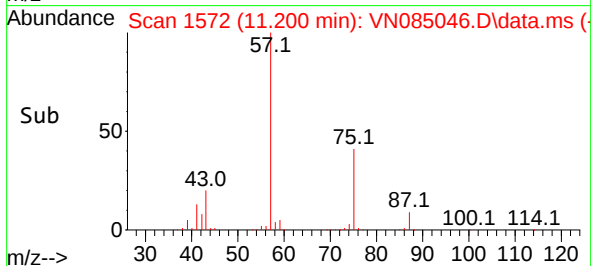
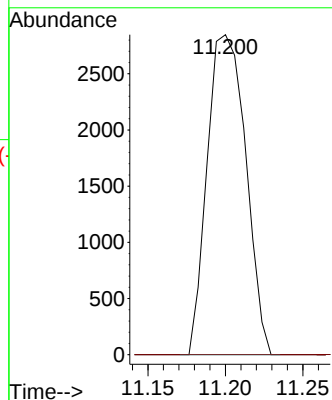
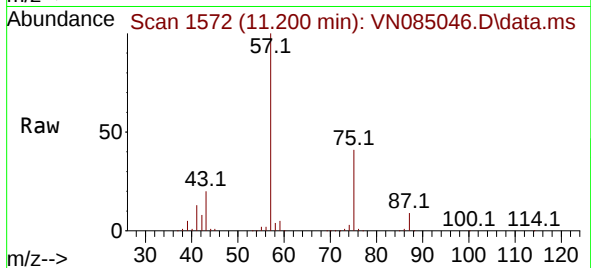
MH-733

Tgt Ion: 76 Resp: 4927

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 32.766 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN085046.D

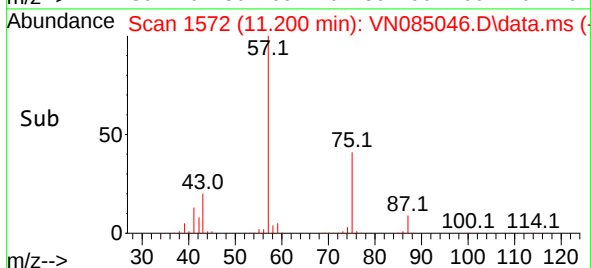
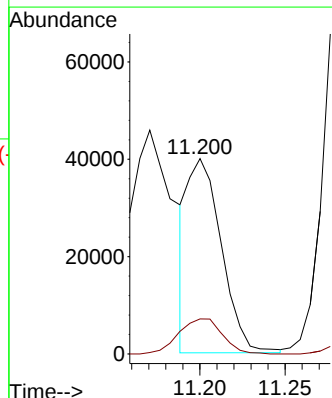
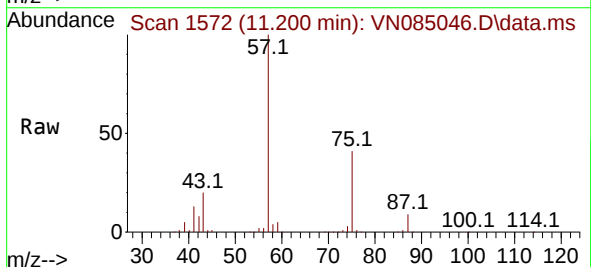
Acq: 26 Nov 2024 16:35

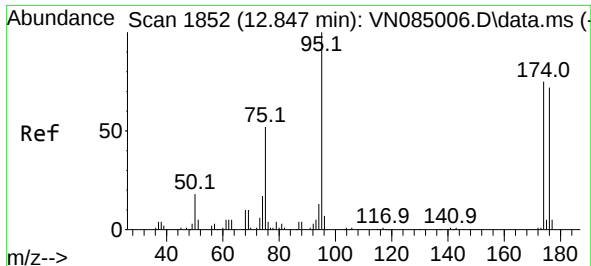
Tgt Ion: 43 Resp: 55139

Ion Ratio Lower Upper

43 100

58 23.4 28.3 85.0#

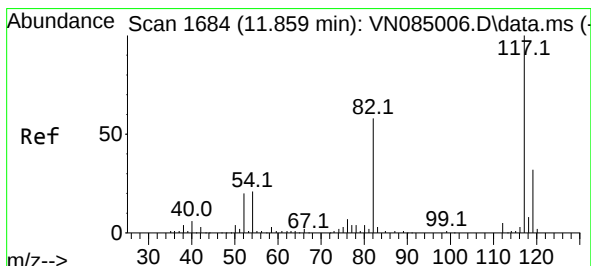
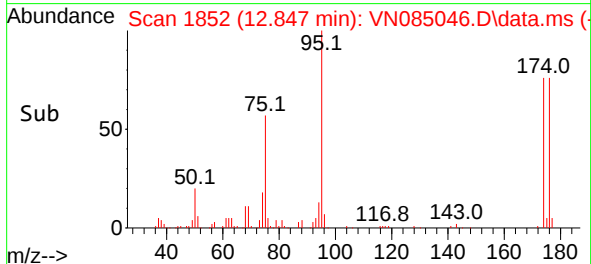
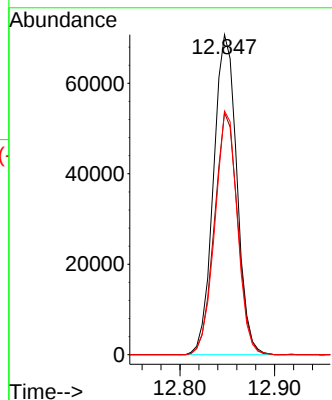
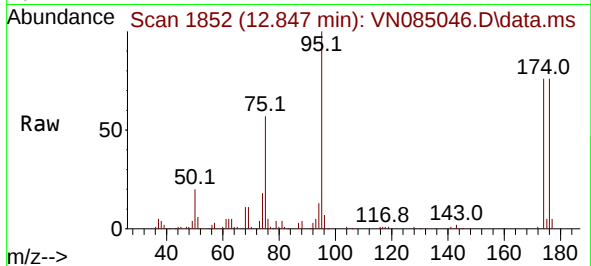




#62
4-Bromofluorobenzene
Concen: 46.848 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085046.D
Acq: 26 Nov 2024 16:35

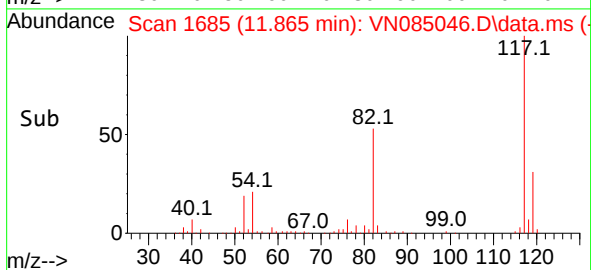
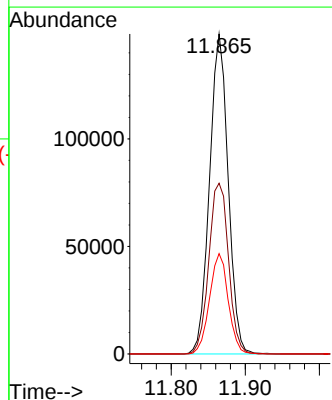
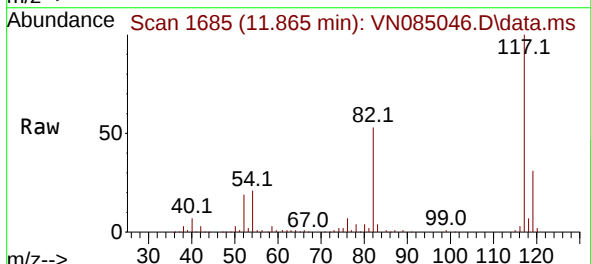
Instrument :
MSVOA_N
ClientSampleId :
MH-733

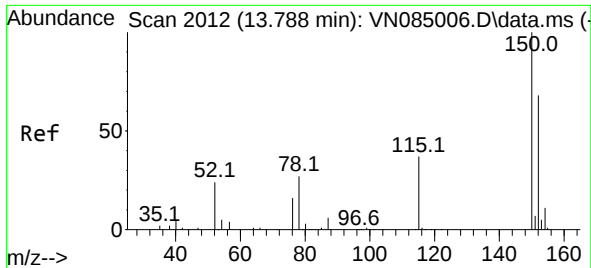
Tgt Ion: 95 Resp: 120921
Ion Ratio Lower Upper
95 100
174 75.5 0.0 146.6
176 73.7 0.0 141.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085046.D
Acq: 26 Nov 2024 16:35

Tgt Ion: 117 Resp: 259624
Ion Ratio Lower Upper
117 100
82 53.4 46.0 69.0
119 31.4 25.6 38.4

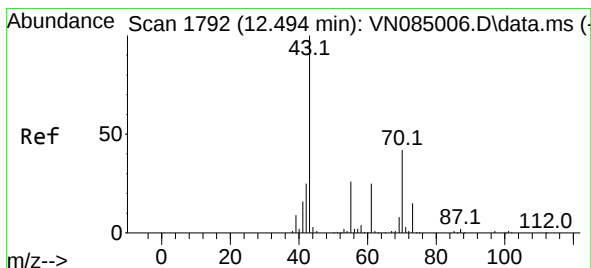
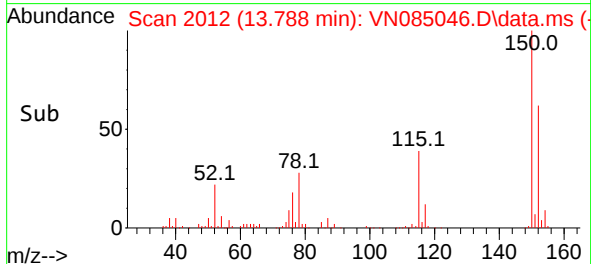
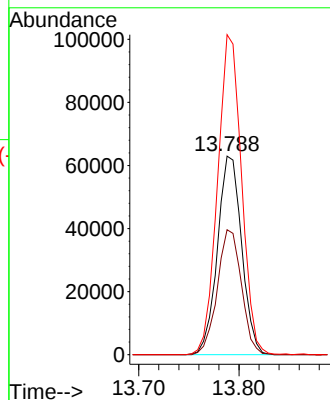
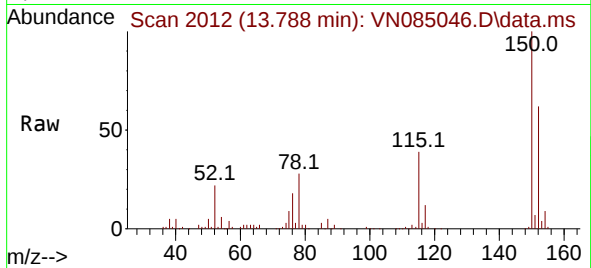




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085046.D
Acq: 26 Nov 2024 16:35

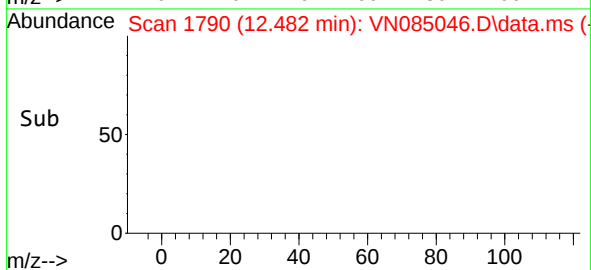
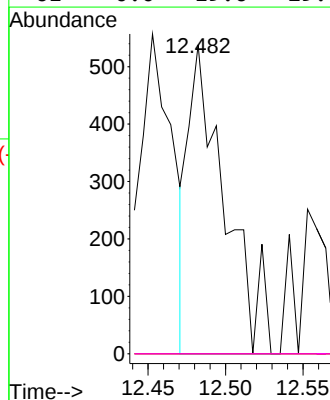
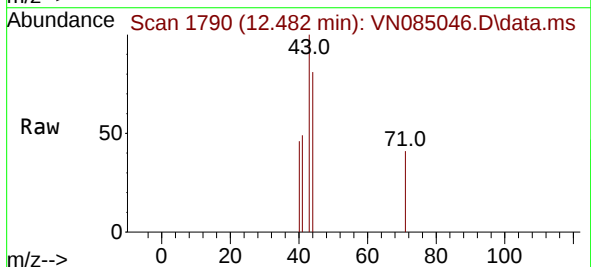
Instrument :
MSVOA_N
ClientSampleId :
MH-733

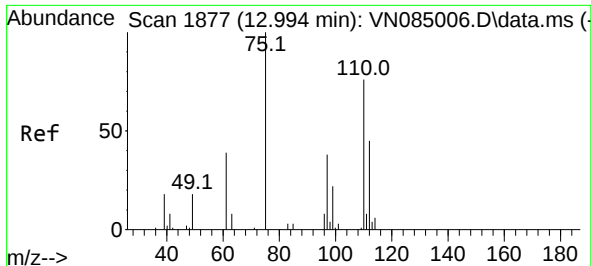
Tgt Ion:152 Resp: 105556
Ion Ratio Lower Upper
152 100
115 62.5 31.7 95.1
150 159.4 0.0 351.4



#74
N-ethyl acetate
Concen: 0.290 ug/l
RT: 12.482 min Scan# 1790
Delta R.T. -0.012 min
Lab File: VN085046.D
Acq: 26 Nov 2024 16:35

Tgt Ion: 43 Resp: 890
Ion Ratio Lower Upper
43 100
70 0.0 34.6 51.8#
55 0.0 20.5 30.7#
61 0.0 19.6 29.4#

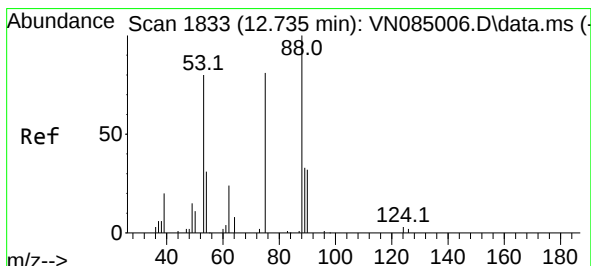
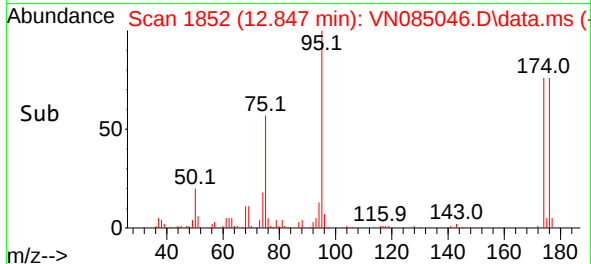
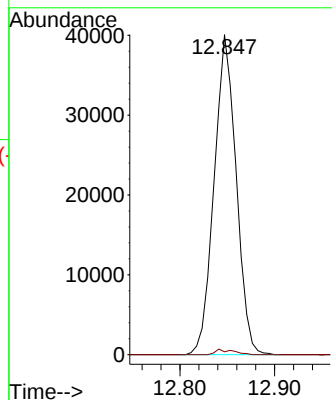
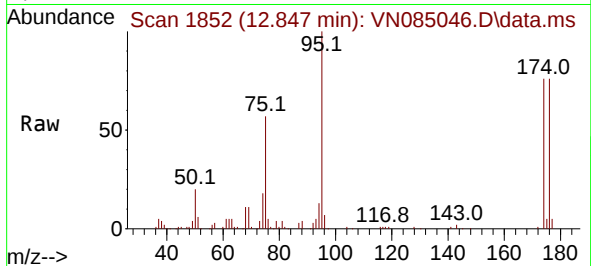




#76
1,2,3-Trichloropropane
Concen: 33.739 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN085046.D
Acq: 26 Nov 2024 16:35

Instrument :
MSVOA_N
ClientSampleId :
MH-733

Tgt Ion: 75 Resp: 64778
Ion Ratio Lower Upper
75 100
77 1.4 109.1 327.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.481 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085046.D
Acq: 26 Nov 2024 16:35

Tgt Ion: 75 Resp: 64778
Ion Ratio Lower Upper
75 100
53 0.1 78.2 117.4#
89 0.0 37.9 56.9#

