

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111124\
 Data File : VN084773.D
 Acq On : 11 Nov 2024 15:42
 Operator : JC\MD
 Sample : P4722-18RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-2(2)

Quant Time: Nov 12 00:33:17 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)

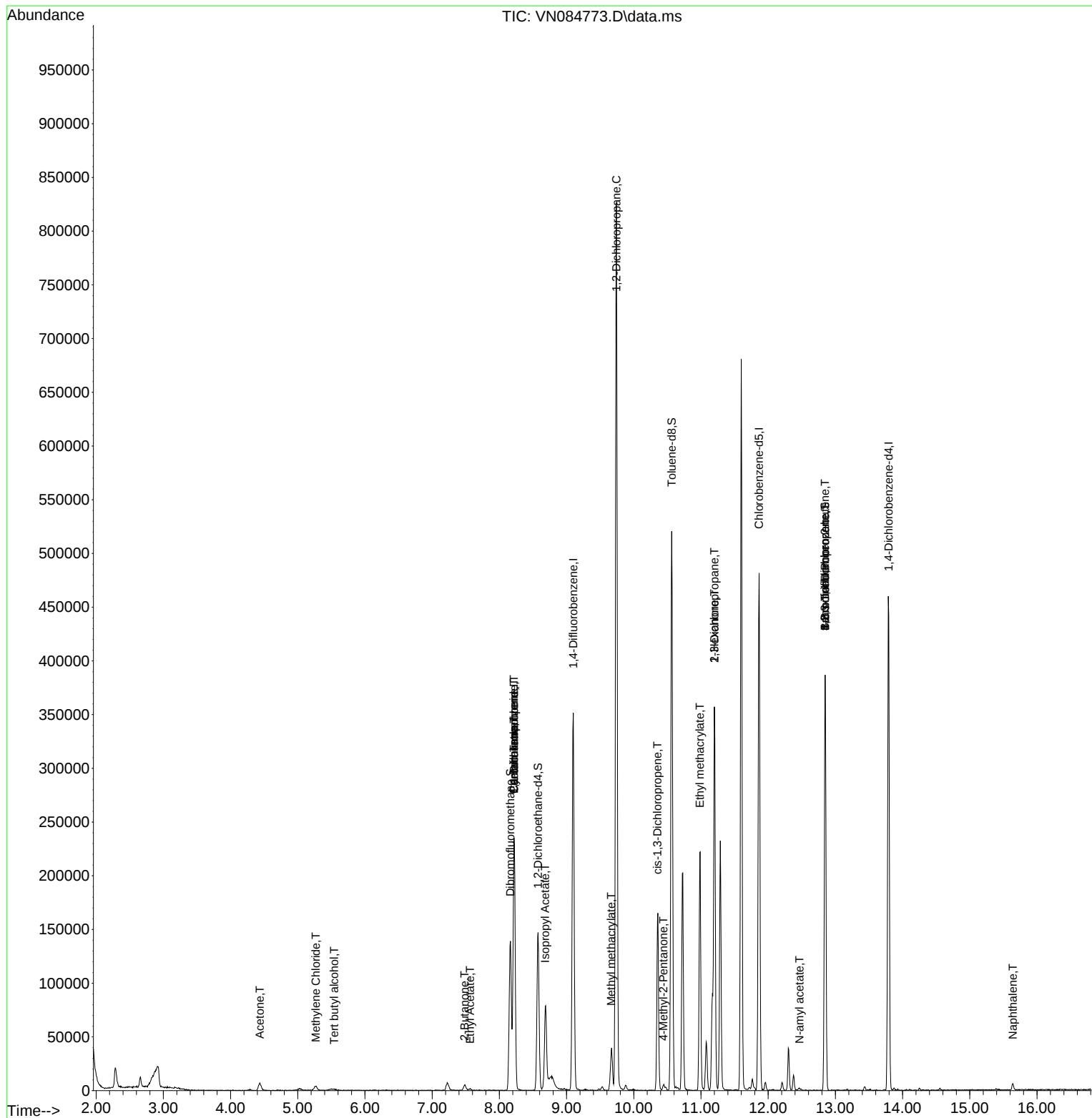
Internal Standards						
1) Pentafluorobenzene	8.218	168	171996	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	301059	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	280468	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	127677	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	121045	48.726	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.460%		
35) Dibromofluoromethane	8.165	113	100566	49.350	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.700%		
50) Toluene-d8	10.565	98	364159	48.512	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.020%		
62) 4-Bromofluorobenzene	12.847	95	137389	48.972	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	97.940%		
Target Compounds					Qvalue	
3) Chloromethane	2.365	50	629	Below Cal	#	41
6) Chloroethane	3.059	64	211	Below Cal	#	45
11) Tert butyl alcohol	5.541	59	2694	8.216	ug/l #	73
16) Acetone	4.436	43	13805	16.575	ug/l	96
18) Methyl Acetate	5.024	43	3860	Below Cal	#	80
20) Methylene Chloride	5.271	84	3239	1.482	ug/l #	84
25) 2-Butanone	7.482	43	8580	7.403	ug/l	97
31) Cyclohexane	8.218	56	3651	1.065	ug/l #	13
36) 1,1-Dichloropropene	8.218	75	14004	4.955	ug/l #	50
37) Ethyl Acetate	7.565	43	2456	0.958	ug/l #	77
38) Carbon Tetrachloride	8.218	117	18532	5.867	ug/l #	16
43) Isopropyl Acetate	8.682	43	95568	19.587	ug/l #	89
45) 1,2-Dichloropropane	9.741	63	752	0.353	ug/l #	44
48) Methyl methacrylate	9.665	41	3131	1.569	ug/l #	39
51) 4-Methyl-2-Pentanone	10.441	43	3257	1.332	ug/l	98
54) cis-1,3-Dichloropropene	10.353	75	30836	8.888	ug/l #	60
56) Ethyl methacrylate	10.982	69	1171	0.405	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	3824	1.114	ug/l #	42
59) 2-Hexanone	11.200	43	45582	25.618	ug/l #	61
71) Bromoform	12.847	173	795	0.484	ug/l #	1
74) N-amyl acetate	12.464	43	1633	0.429	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	70866	27.767	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	70866	65.873	ug/l #	11
88) 1,4-Dichlorobenzene	13.823	146	619	Below Cal	#	65
95) Naphthalene	15.641	128	6301	0.853	ug/l	99

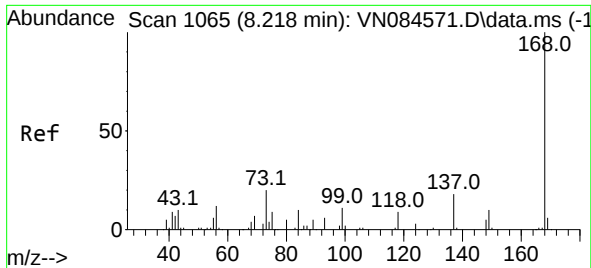
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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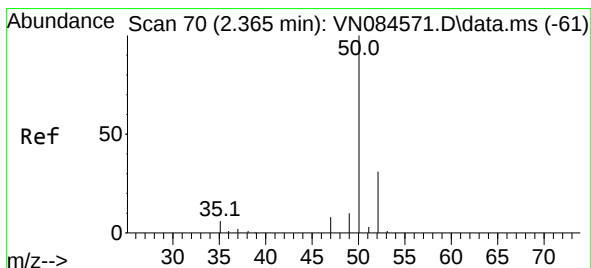
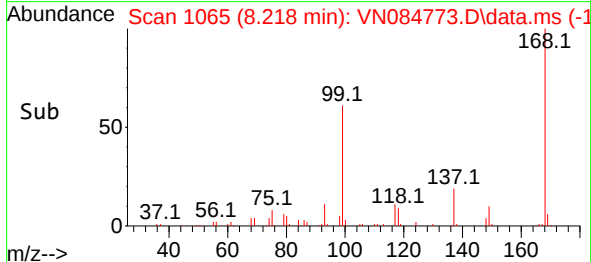
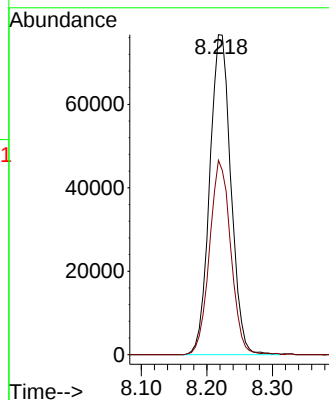
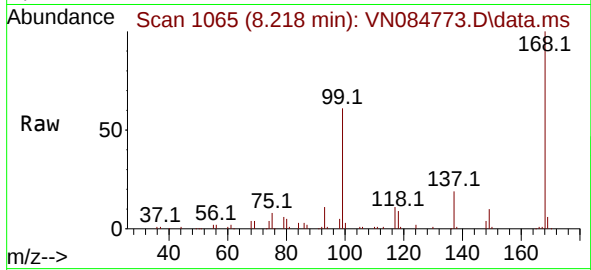




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084773.D
Acq: 11 Nov 2024 15:42

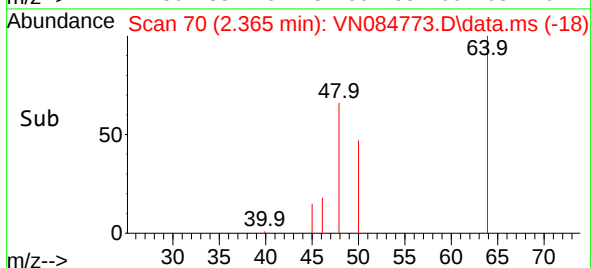
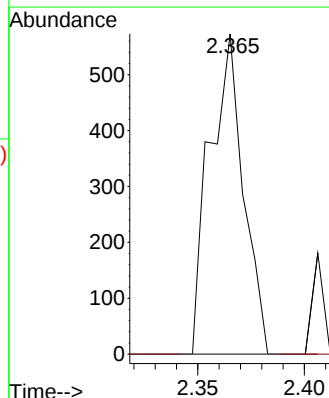
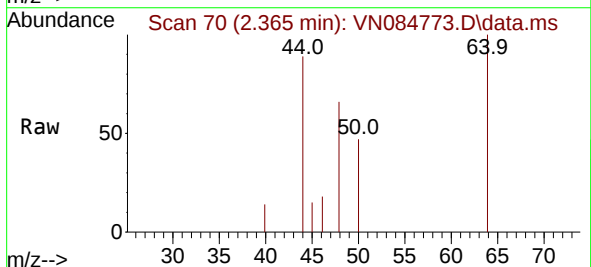
Instrument :
MSVOA_N
ClientSampleId :
WC-2(2)

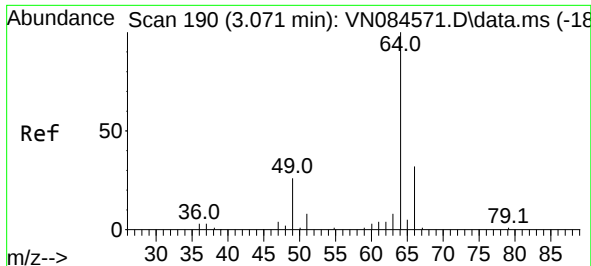
Tgt Ion:168 Resp: 171996
Ion Ratio Lower Upper
168 100
99 60.8 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084773.D
Acq: 11 Nov 2024 15:42

Tgt Ion: 50 Resp: 629
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

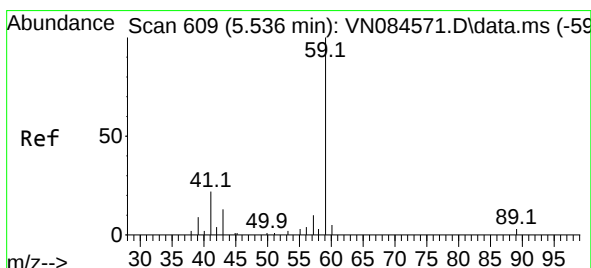
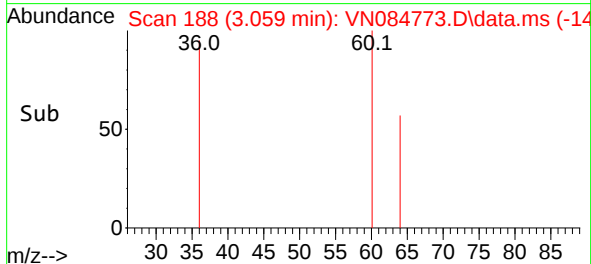
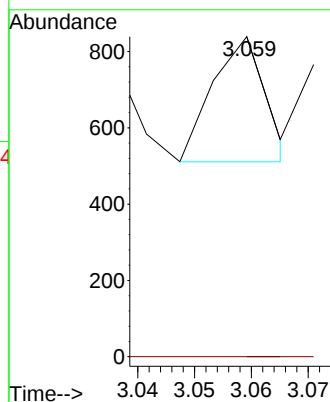
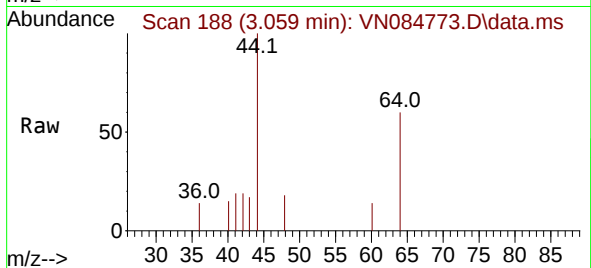




#6
Chloroethane
Concen: Below Cal
RT: 3.059 min Scan# 11
Delta R.T. -0.059 min
Lab File: VN084773.D
Acq: 11 Nov 2024 15:42

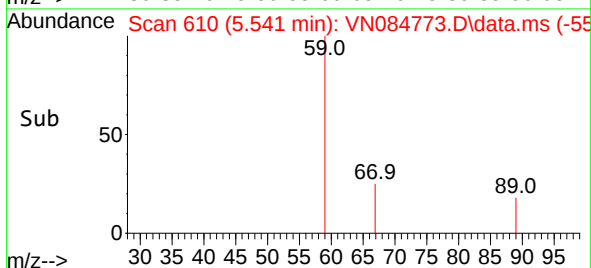
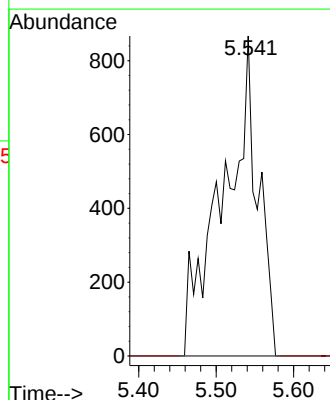
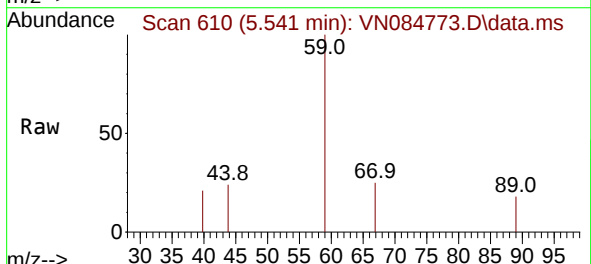
Instrument :
MSVOA_N
ClientSampleId :
WC-2(2)

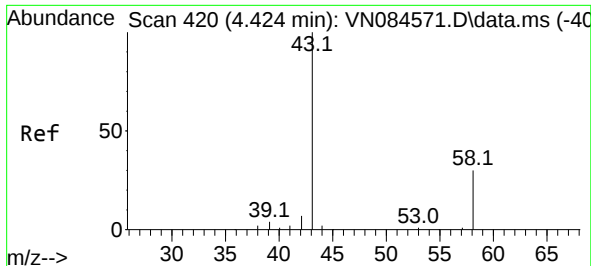
Tgt Ion: 64 Resp: 211
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 8.216 ug/l
RT: 5.541 min Scan# 610
Delta R.T. 0.018 min
Lab File: VN084773.D
Acq: 11 Nov 2024 15:42

Tgt Ion: 59 Resp: 2694
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

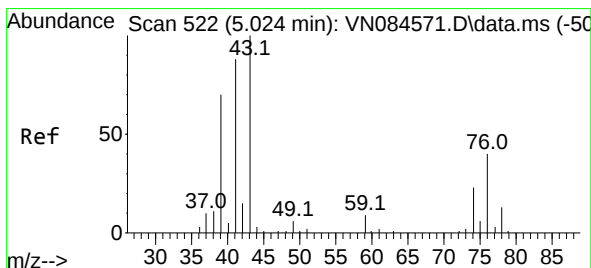
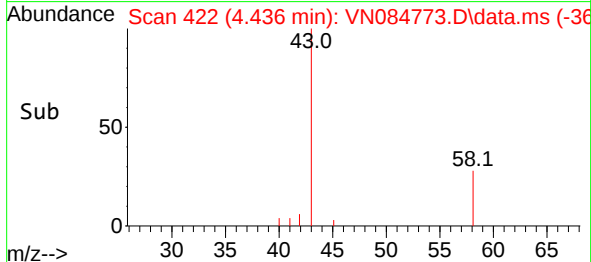
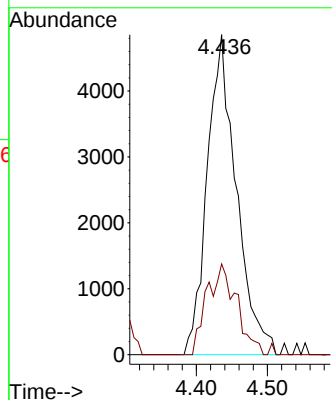
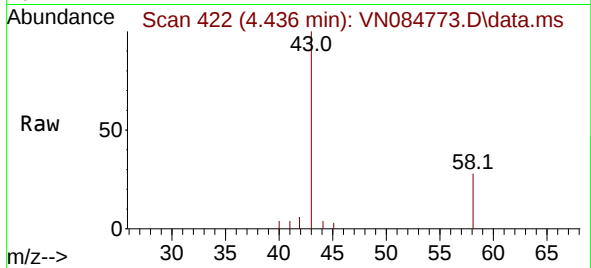




#16
Acetone
Concen: 16.575 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN084773.D
Acq: 11 Nov 2024 15:42

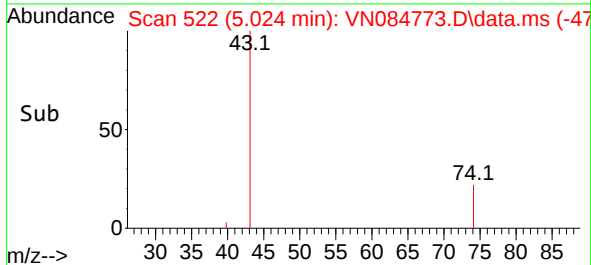
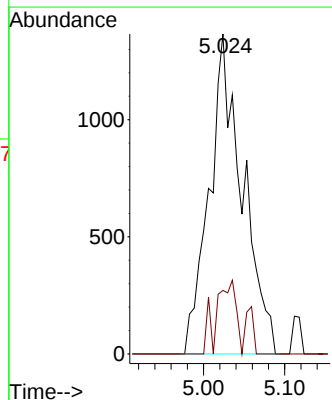
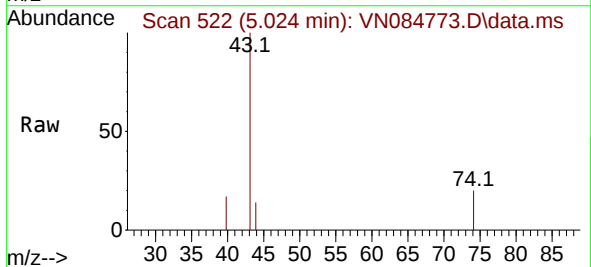
Instrument :
MSVOA_N
ClientSampleId :
WC-2(2)

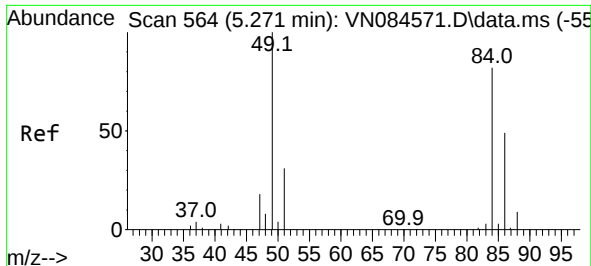
Tgt Ion: 43 Resp: 13805
Ion Ratio Lower Upper
43 100
58 28.3 24.4 36.6



#18
Methyl Acetate
Concen: Below Cal
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084773.D
Acq: 11 Nov 2024 15:42

Tgt Ion: 43 Resp: 3860
Ion Ratio Lower Upper
43 100
74 13.9 19.2 28.8#

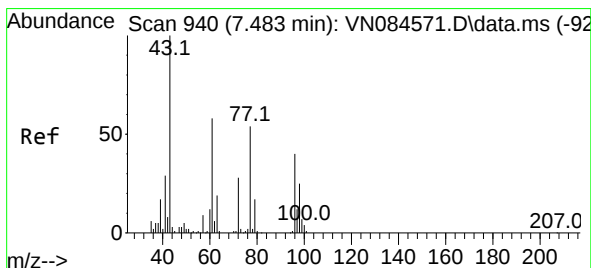
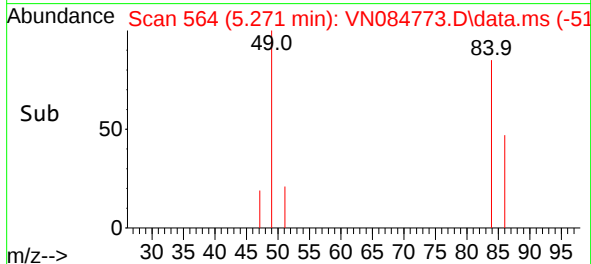
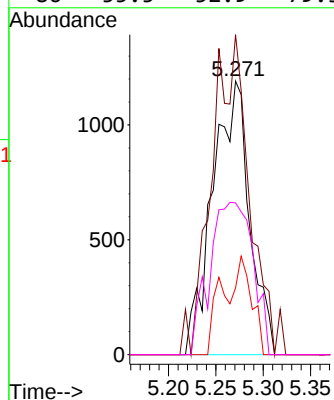
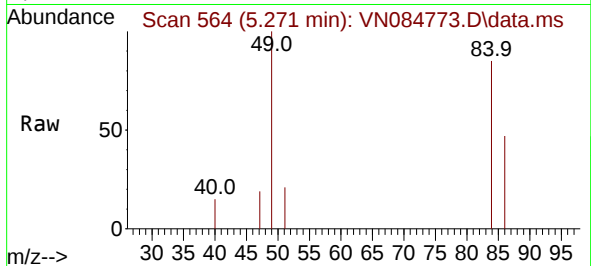




#20
Methylene Chloride
Concen: 1.482 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN084773.D
Acq: 11 Nov 2024 15:42

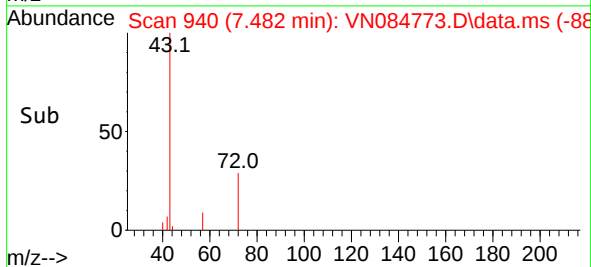
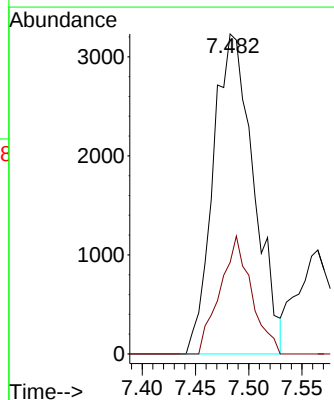
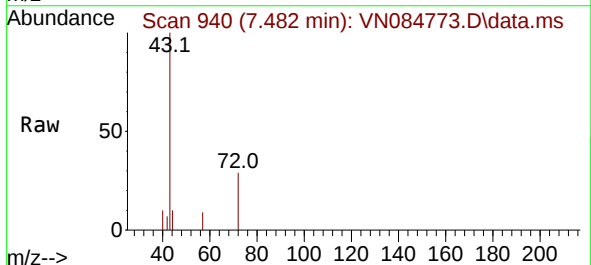
Instrument :
MSVOA_N
ClientSampleId :
WC-2(2)

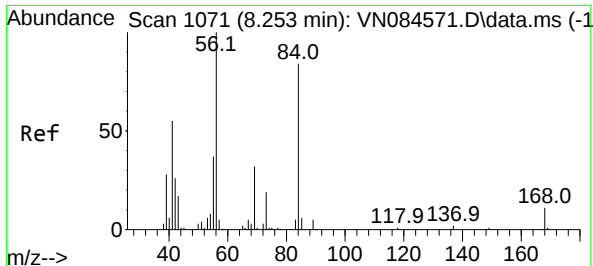
Tgt Ion:	84	Resp:	3239
Ion	Ratio	Lower	Upper
84	100		
49	117.0	107.2	160.8
51	24.4	31.8	47.8#
86	55.5	52.9	79.3



#25
2-Butanone
Concen: 7.403 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN084773.D
Acq: 11 Nov 2024 15:42

Tgt Ion:	43	Resp:	8580
Ion	Ratio	Lower	Upper
43	100		
72	28.6	21.4	32.2

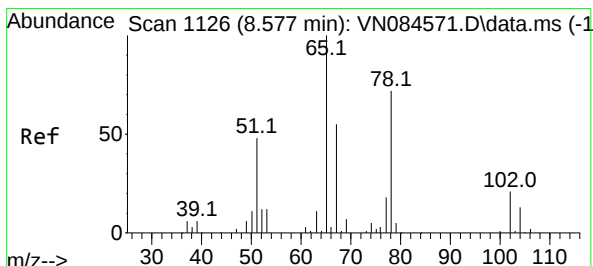
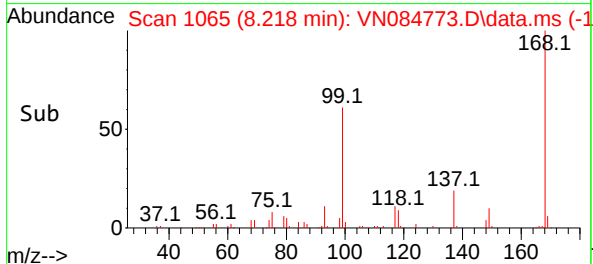
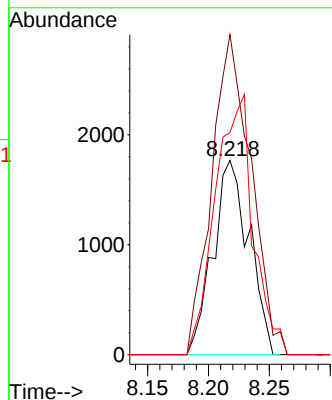
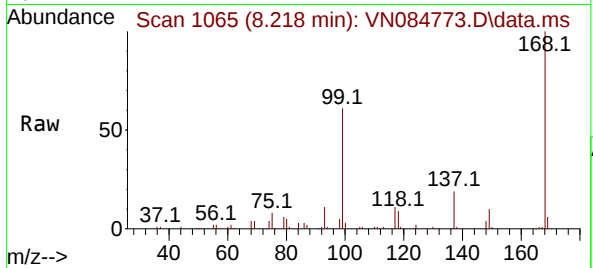




#31
Cyclohexane
Concen: 1.065 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN084773.D
Acq: 11 Nov 2024 15:42

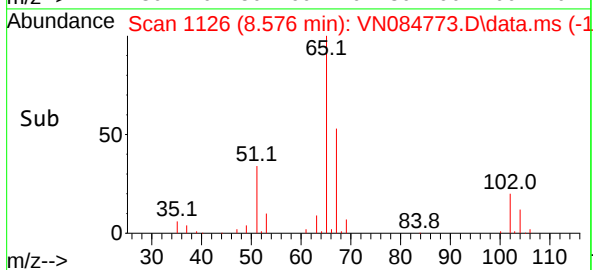
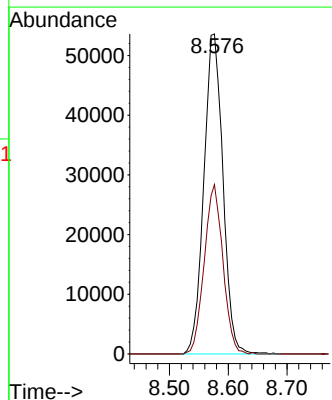
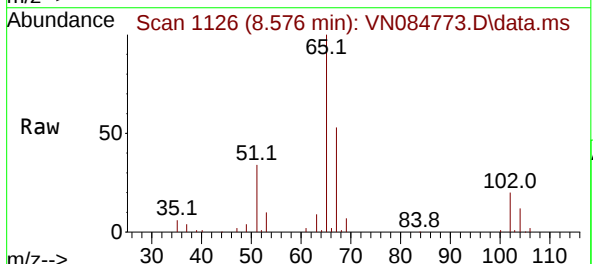
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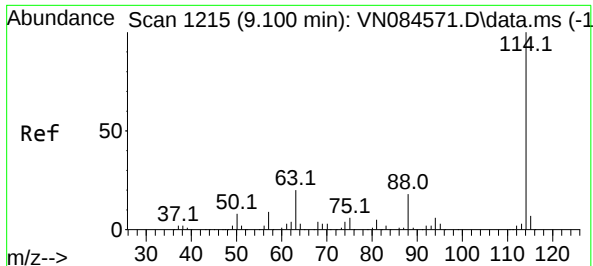
Tgt Ion: 56 Resp: 3651
Ion Ratio Lower Upper
56 100
69 164.7 23.8 35.6#
84 114.4 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 48.726 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. -0.001 min
Lab File: VN084773.D
Acq: 11 Nov 2024 15:42

Tgt Ion: 65 Resp: 121045
Ion Ratio Lower Upper
65 100
67 51.7 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN084773.D

Acq: 11 Nov 2024 15:42

Instrument :

MSVOA_N

ClientSampleId :

WC-2(2)

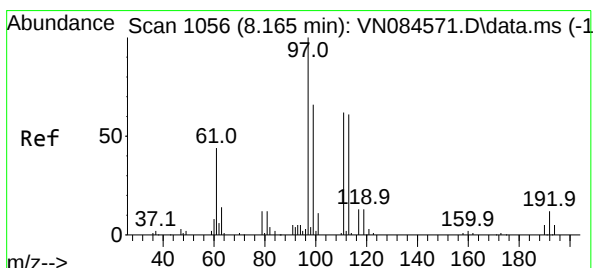
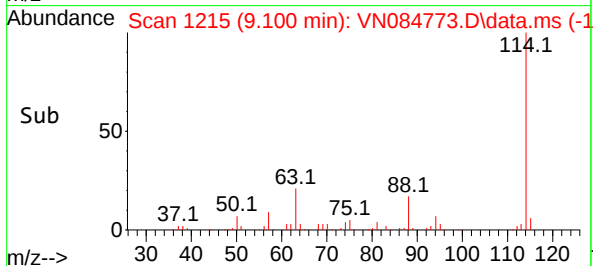
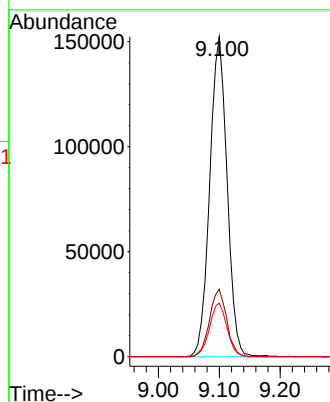
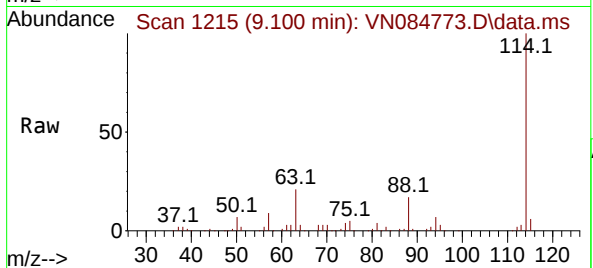
Tgt Ion:114 Resp: 301059

Ion Ratio Lower Upper

114 100

63 21.1 0.0 43.8

88 16.7 0.0 31.6



#35

Dibromofluoromethane

Concen: 49.350 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN084773.D

Acq: 11 Nov 2024 15:42

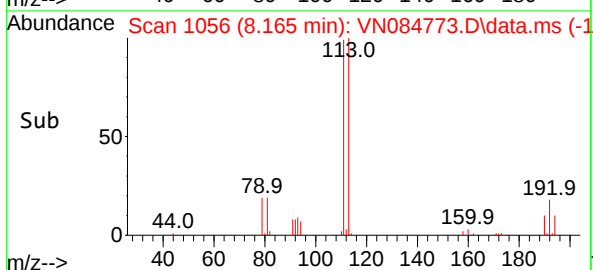
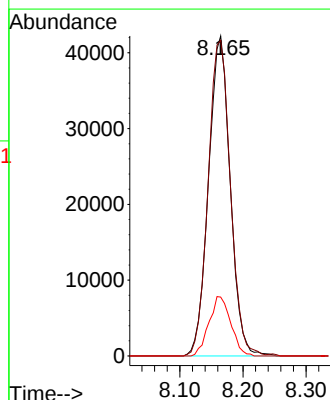
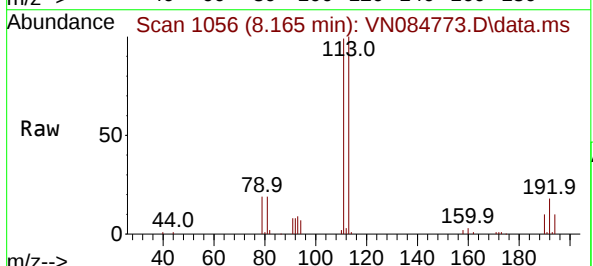
Tgt Ion:113 Resp: 100566

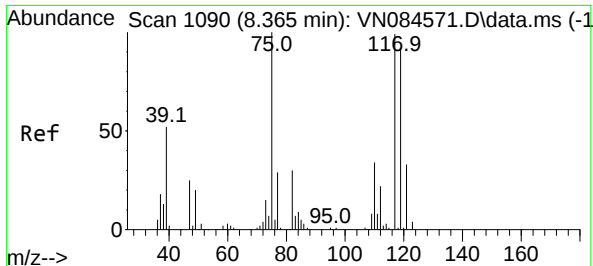
Ion Ratio Lower Upper

113 100

111 101.2 83.3 124.9

192 18.7 13.5 20.3





#36

1,1-Dichloropropene

Concen: 4.955 ug/l

RT: 8.218 min Scan# 1

Delta R.T. -0.153 min

Lab File: VN084773.D

Acq: 11 Nov 2024 15:42

Instrument :

MSVOA_N

ClientSampleId :

WC-2(2)

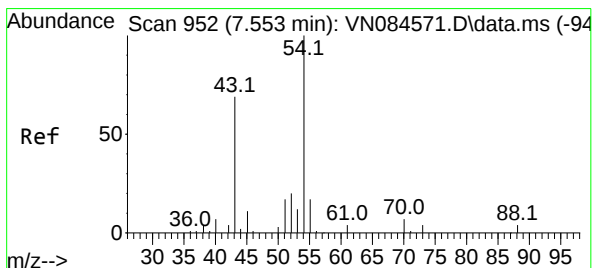
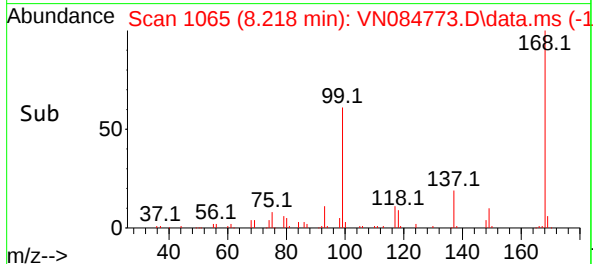
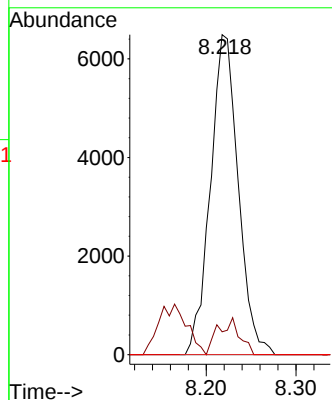
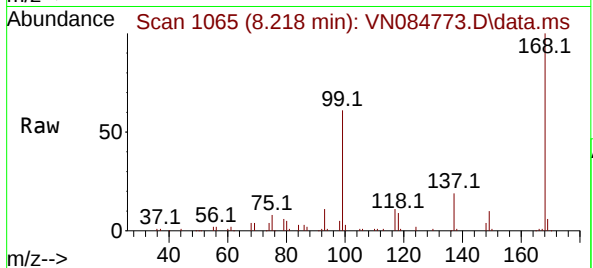
Tgt Ion: 75 Resp: 14004

Ion Ratio Lower Upper

75 100

110 8.8 16.9 50.7#

77 0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 0.958 ug/l

RT: 7.565 min Scan# 954

Delta R.T. 0.006 min

Lab File: VN084773.D

Acq: 11 Nov 2024 15:42

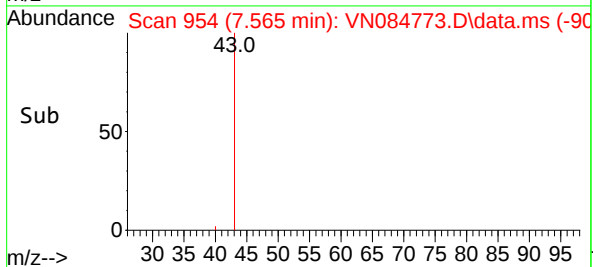
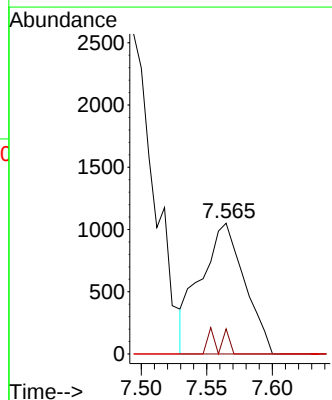
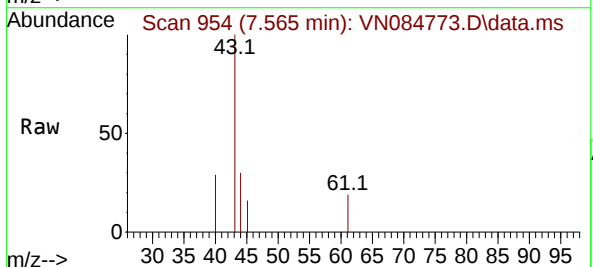
Tgt Ion: 43 Resp: 2456

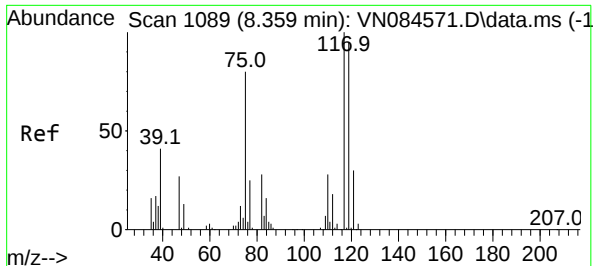
Ion Ratio Lower Upper

43 100

61 5.9 10.7 16.1#

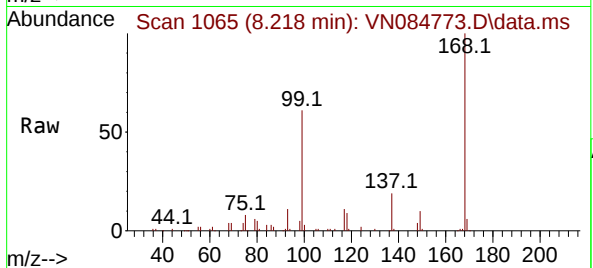
70 0.0 8.8 13.2#



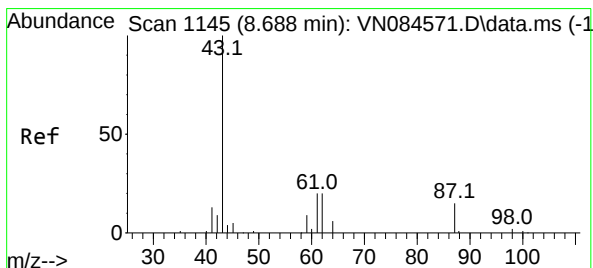
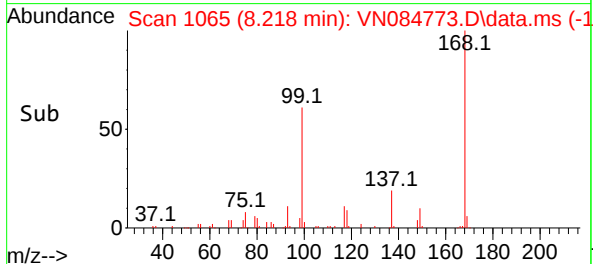
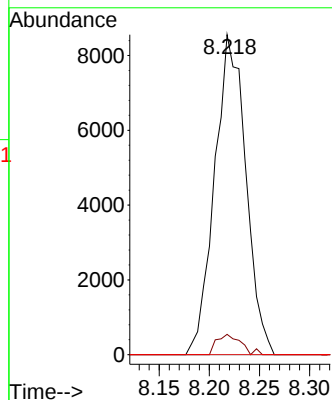


#38
Carbon Tetrachloride
Concen: 5.867 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN084773.D
Acq: 11 Nov 2024 15:42

Instrument :
MSVOA_N
ClientSampleId :
WC-2(2)

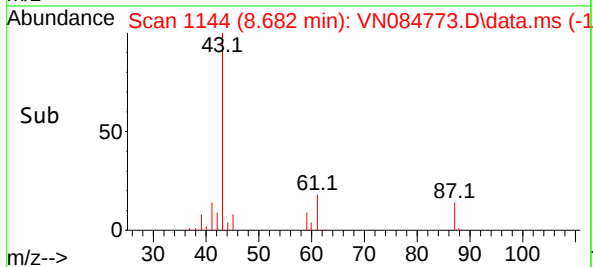
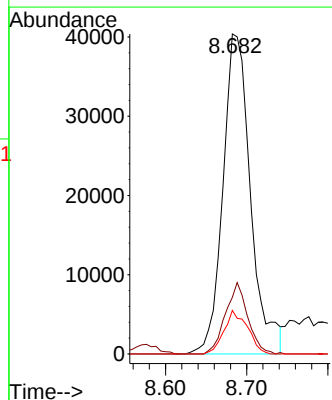
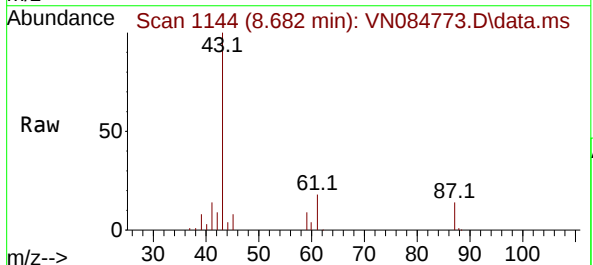


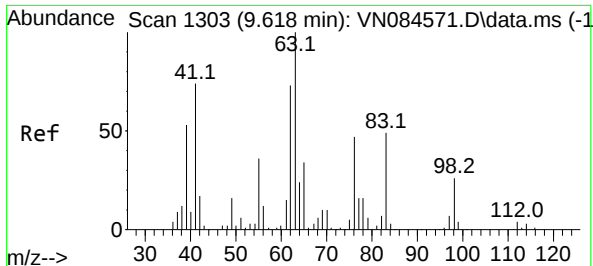
Tgt Ion:117 Resp: 18532
Ion Ratio Lower Upper
117 100
119 6.3 78.7 118.1#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 19.587 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.006 min
Lab File: VN084773.D
Acq: 11 Nov 2024 15:42

Tgt Ion: 43 Resp: 95568
Ion Ratio Lower Upper
43 100
61 18.1 20.4 30.6#
87 11.5 10.3 15.5





#45

1,2-Dichloropropane

Concen: 0.353 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.123 min

Lab File: VN084773.D

Acq: 11 Nov 2024 15:42

Instrument :

MSVOA_N

ClientSampleId :

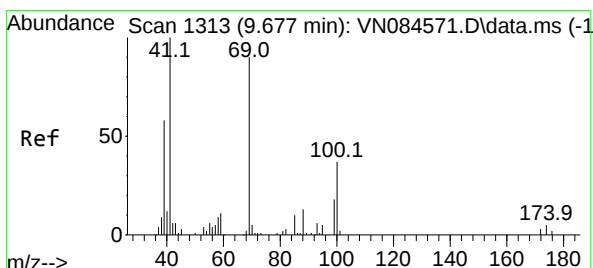
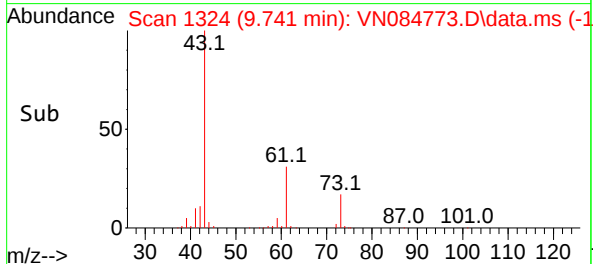
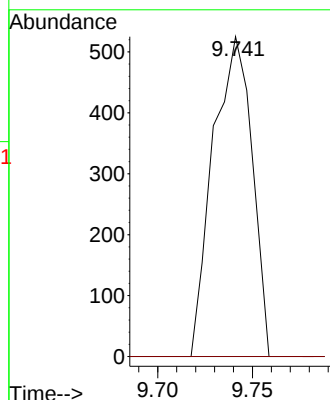
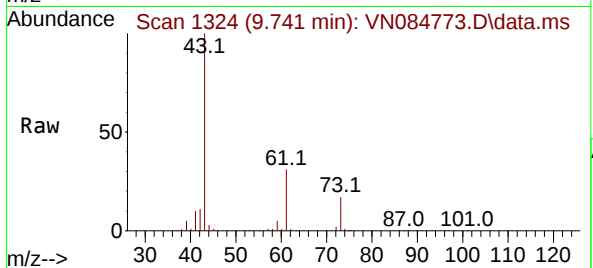
WC-2(2)

Tgt Ion: 63 Resp: 752

Ion Ratio Lower Upper

63 100

65 0.0 24.6 37.0#



#48

Methyl methacrylate

Concen: 1.569 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.012 min

Lab File: VN084773.D

Acq: 11 Nov 2024 15:42

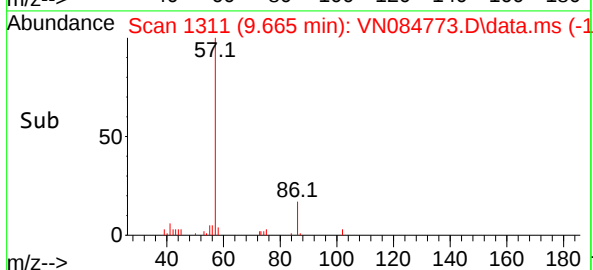
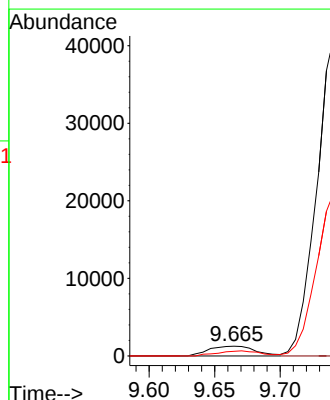
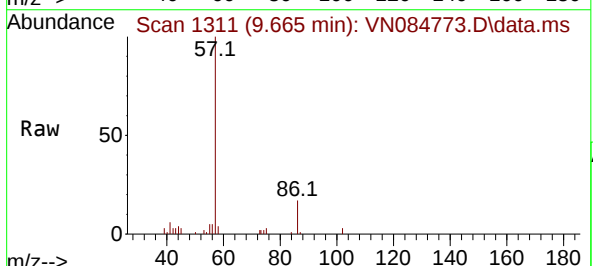
Tgt Ion: 41 Resp: 3131

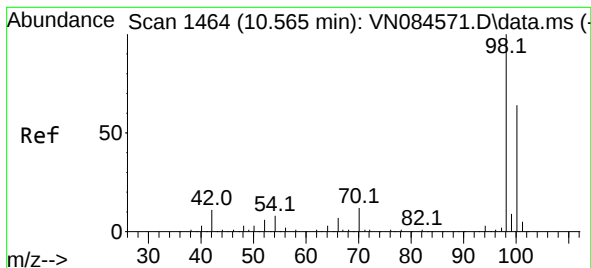
Ion Ratio Lower Upper

41 100

69 0.0 67.1 100.7#

39 46.0 45.8 68.6

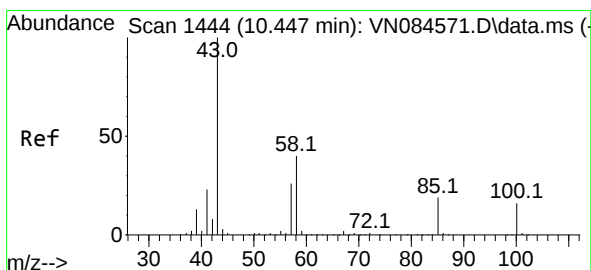
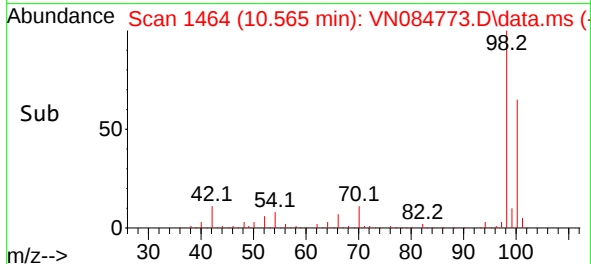
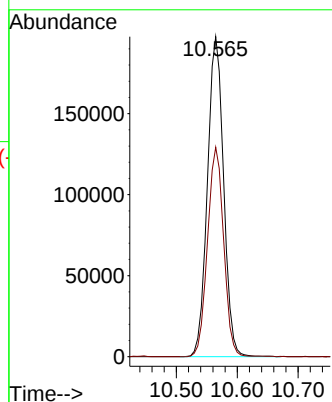
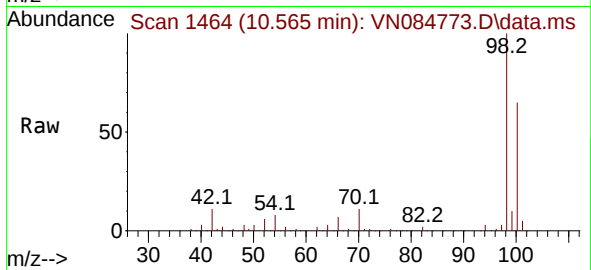




#50
Toluene-d8
Concen: 48.512 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084773.D
Acq: 11 Nov 2024 15:42

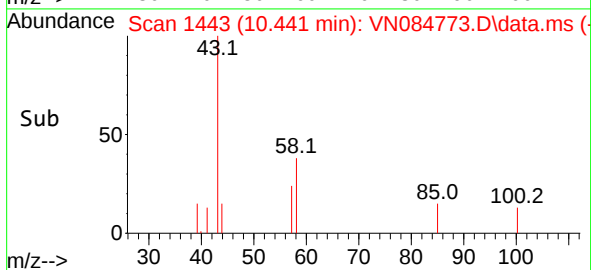
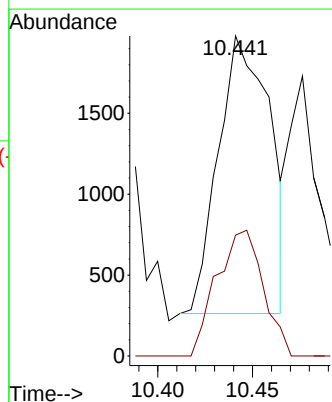
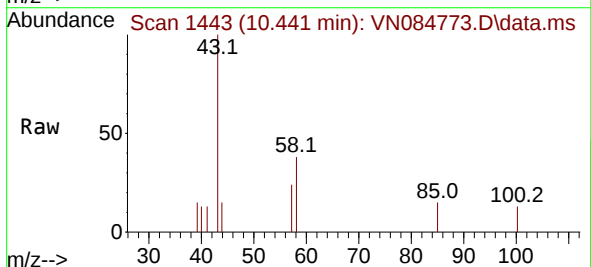
Instrument :
MSVOA_N
ClientSampleId :
WC-2(2)

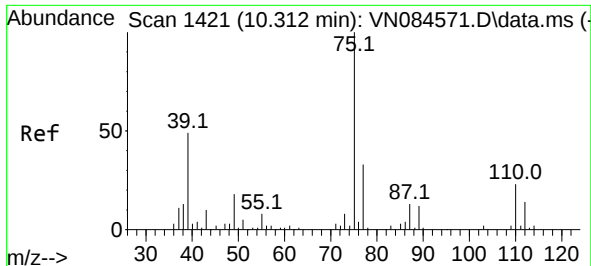
Tgt Ion: 98 Resp: 364159
Ion Ratio Lower Upper
98 100
100 65.4 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 1.332 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN084773.D
Acq: 11 Nov 2024 15:42

Tgt Ion: 43 Resp: 3257
Ion Ratio Lower Upper
43 100
58 40.7 31.6 47.4

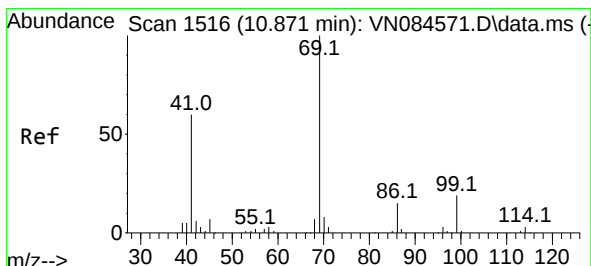
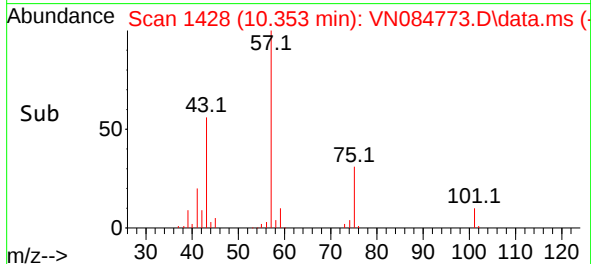
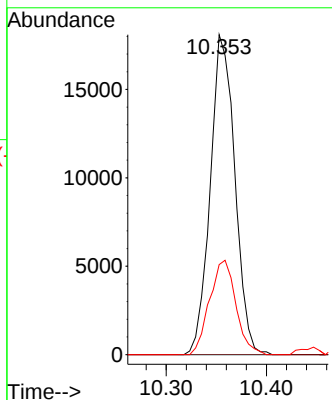
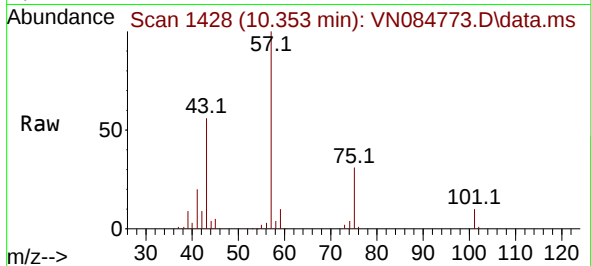




#54
cis-1,3-Dichloropropene
Concen: 8.888 ug/l
RT: 10.353 min Scan# 1421
Delta R.T. 0.041 min
Lab File: VN084773.D
Acq: 11 Nov 2024 15:42

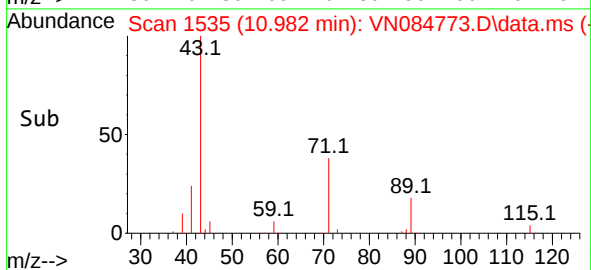
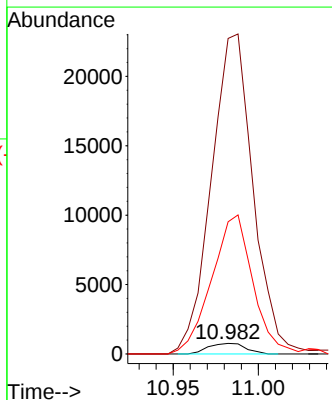
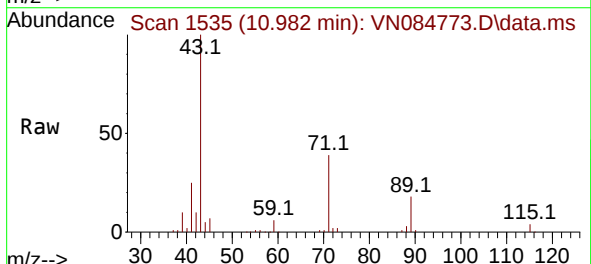
Instrument :
MSVOA_N
ClientSampleId :
WC-2(2)

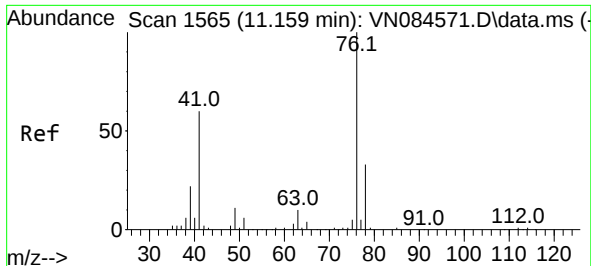
Tgt Ion: 75 Resp: 30836
Ion Ratio Lower Upper
75 100
77 0.0 24.2 36.2#
39 28.1 38.7 58.1#



#56
Ethyl methacrylate
Concen: 0.405 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.112 min
Lab File: VN084773.D
Acq: 11 Nov 2024 15:42

Tgt Ion: 69 Resp: 1171
Ion Ratio Lower Upper
69 100
41 3376.0 53.3 79.9#
39 1460.1 28.8 43.2#

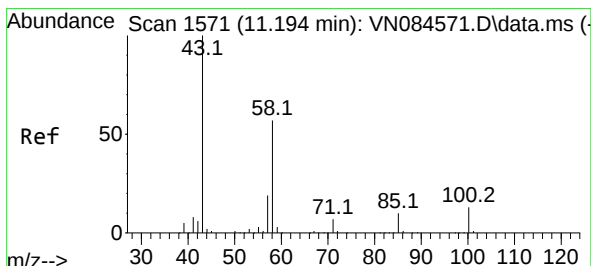
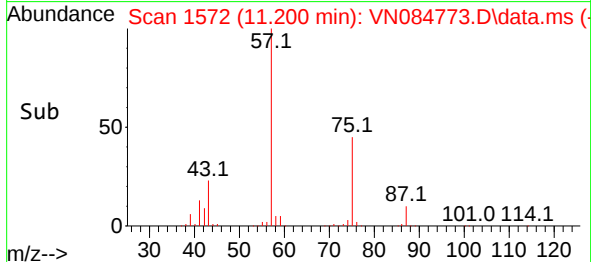
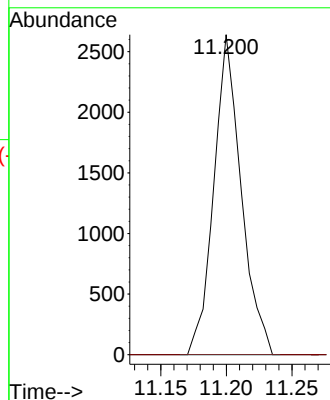
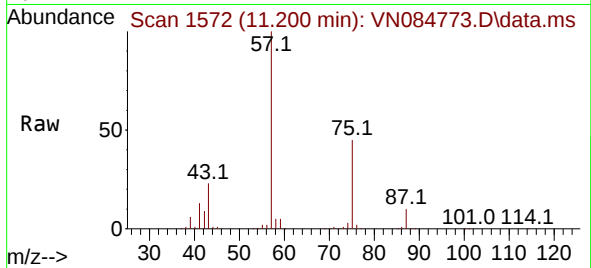




#57
1,3-Dichloropropane
Concen: 1.114 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN084773.D
Acq: 11 Nov 2024 15:42

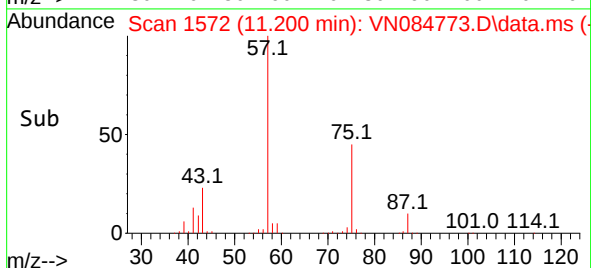
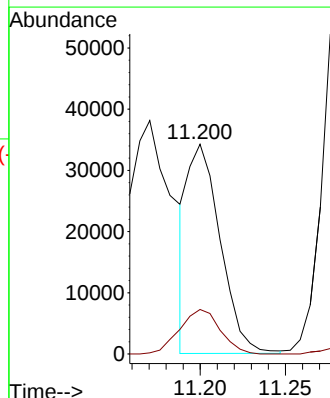
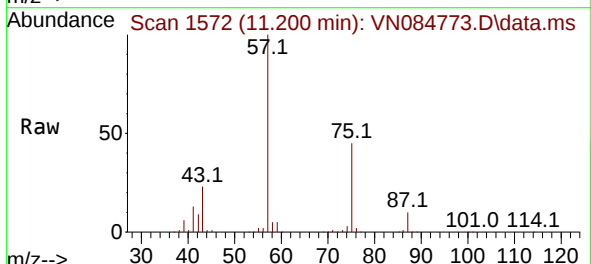
Instrument :
MSVOA_N
ClientSampleId :
WC-2(2)

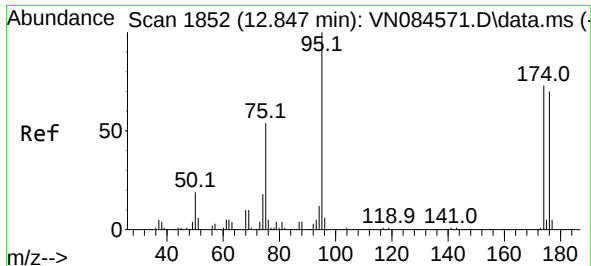
Tgt Ion: 76 Resp: 3824
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#



#59
2-Hexanone
Concen: 25.618 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN084773.D
Acq: 11 Nov 2024 15:42

Tgt Ion: 43 Resp: 45582
Ion Ratio Lower Upper
43 100
58 26.4 27.3 81.8#

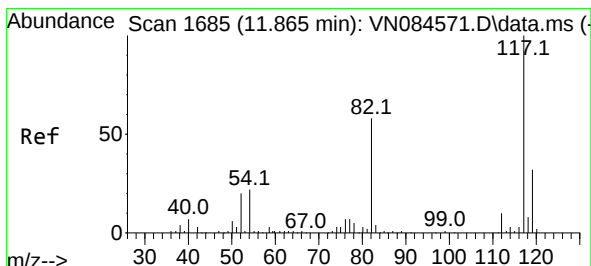
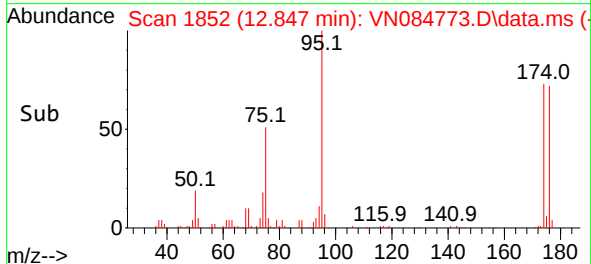
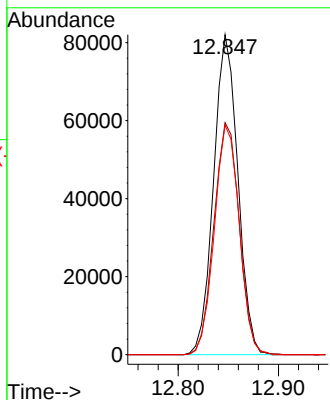
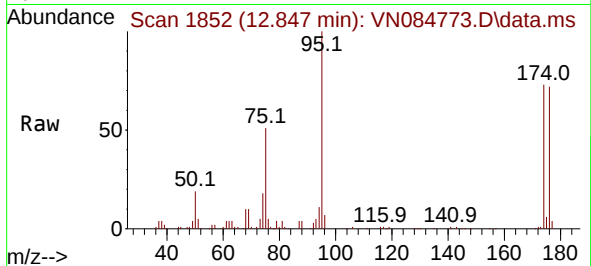




#62
4-Bromofluorobenzene
Concen: 48.972 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084773.D
Acq: 11 Nov 2024 15:42

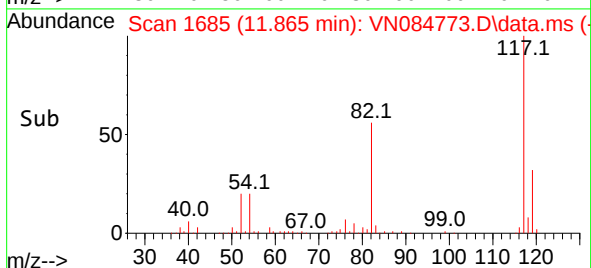
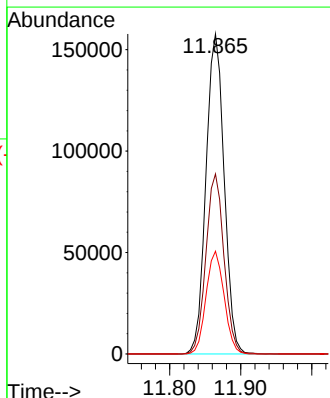
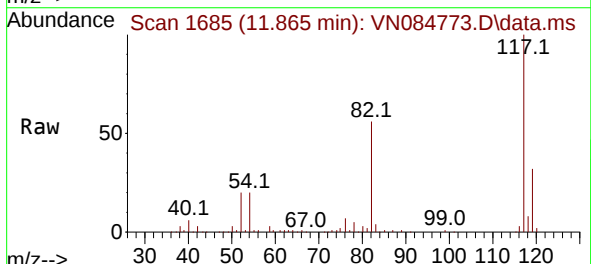
Instrument :
MSVOA_N
ClientSampleId :
WC-2(2)

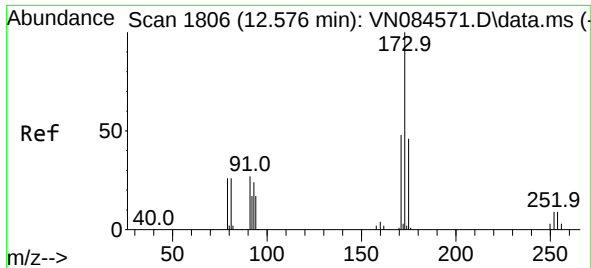
Tgt Ion: 95 Resp: 137389
Ion Ratio Lower Upper
95 100
174 75.8 0.0 145.2
176 73.8 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.001 min
Lab File: VN084773.D
Acq: 11 Nov 2024 15:42

Tgt Ion: 117 Resp: 280468
Ion Ratio Lower Upper
117 100
82 56.2 47.2 70.8
119 32.1 25.4 38.0

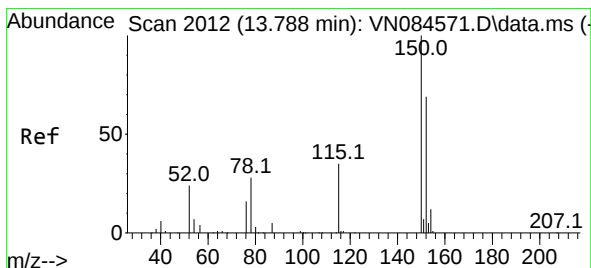
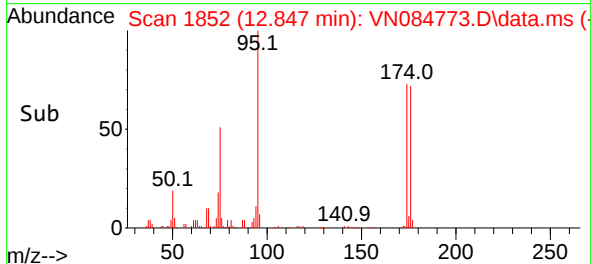
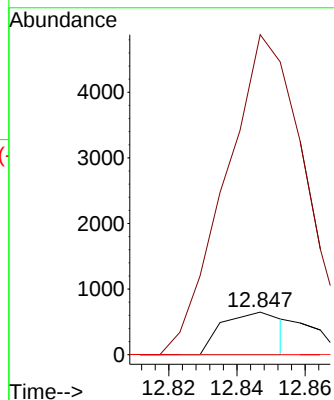
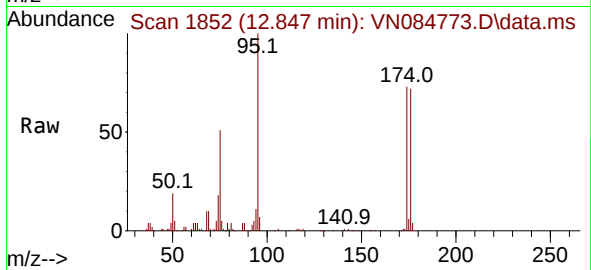




#71
Bromoform
Concen: 0.484 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.270 min
Lab File: VN084773.D
Acq: 11 Nov 2024 15:42

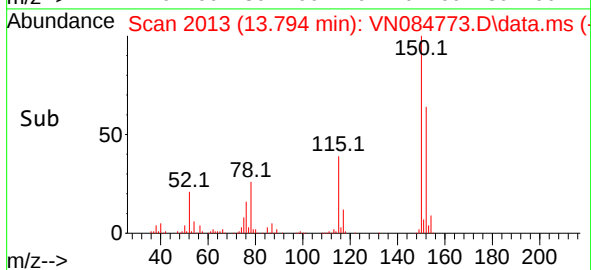
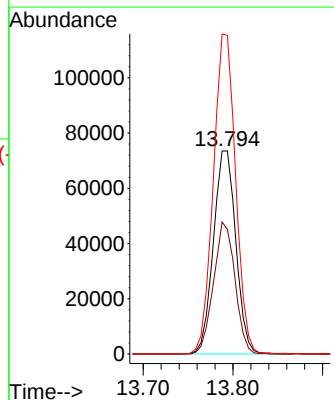
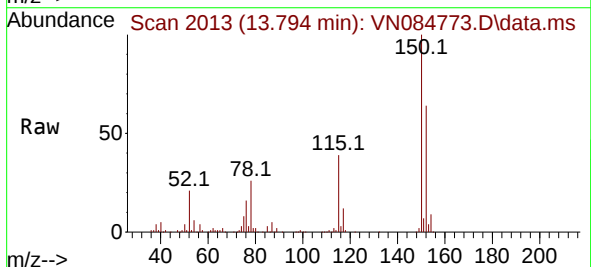
Instrument :
MSVOA_N
ClientSampleId :
WC-2(2)

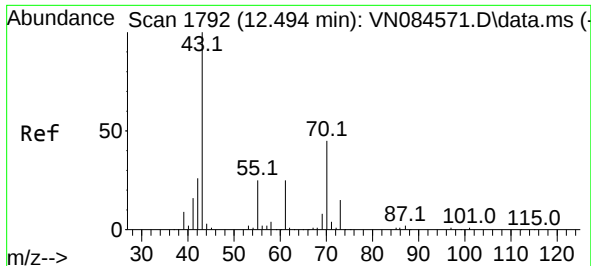
Tgt Ion:173 Resp: 795
Ion Ratio Lower Upper
173 100
175 744.4 23.5 70.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084773.D
Acq: 11 Nov 2024 15:42

Tgt Ion:152 Resp: 127677
Ion Ratio Lower Upper
152 100
115 62.1 31.3 93.9
150 156.4 0.0 349.8

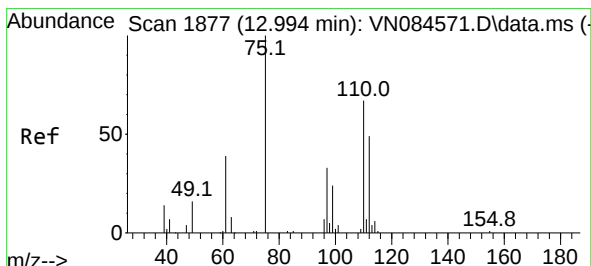
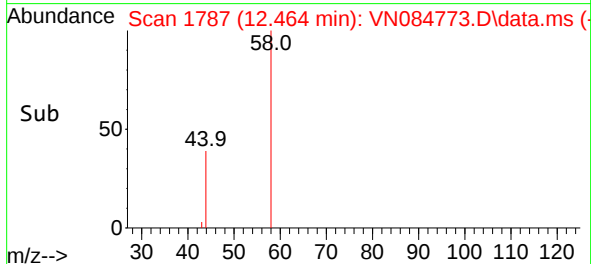
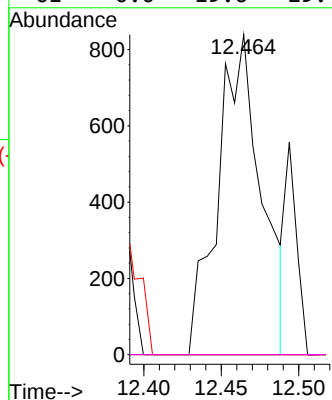
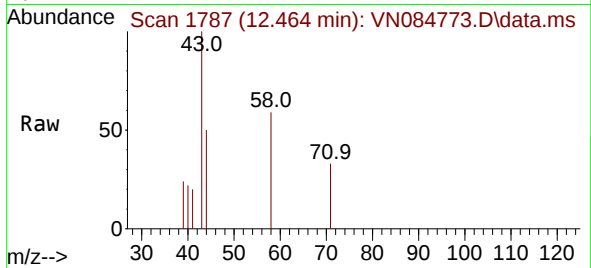




#74
N-amy1 acetate
Concen: 0.429 ug/l
RT: 12.464 min Scan# 1
Delta R.T. -0.030 min
Lab File: VN084773.D
Acq: 11 Nov 2024 15:42

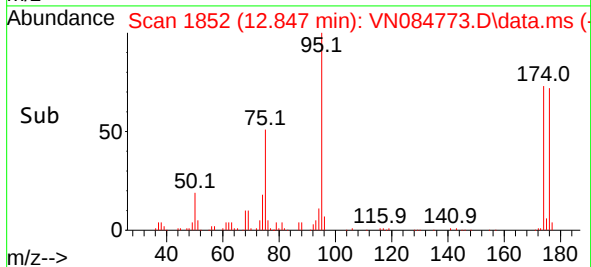
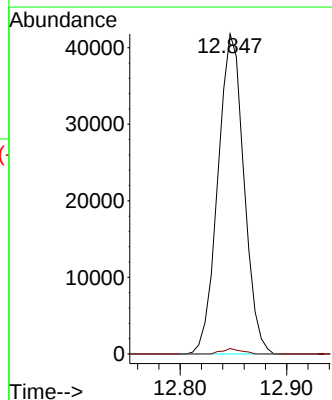
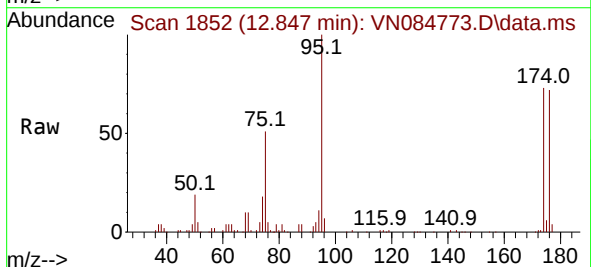
Instrument :
MSVOA_N
ClientSampleId :
WC-2(2)

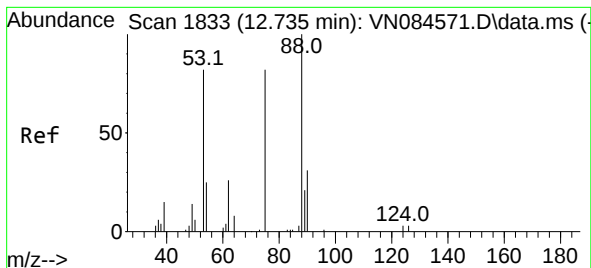
Tgt Ion: 43	Resp: 1633
Ion Ratio	Lower Upper
43 100	
70 0.0	34.4 51.6#
55 0.0	19.6 29.4#
61 0.0	19.6 29.4#



#76
1,2,3-Trichloropropane
Concen: 27.767 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084773.D
Acq: 11 Nov 2024 15:42

Tgt Ion: 75	Resp: 70866
Ion Ratio	Lower Upper
75 100	
77 1.3	96.9 290.7#

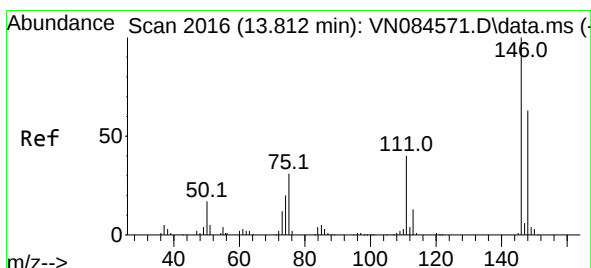
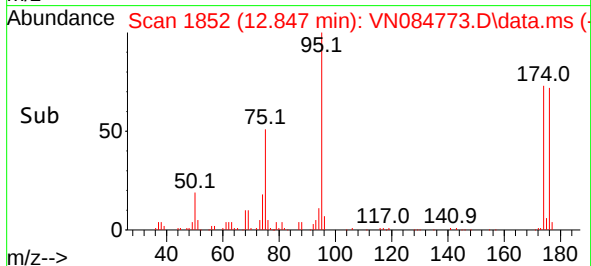
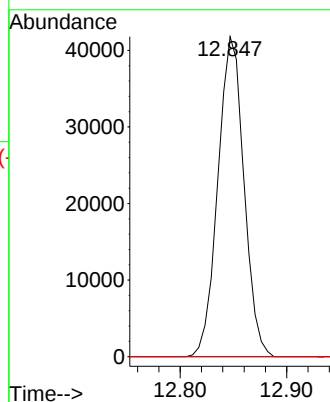
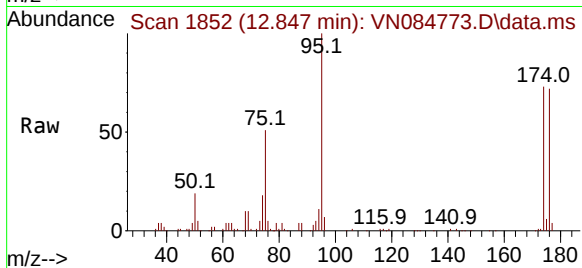




#81
trans-1,4-Dichloro-2-butene
Concen: 65.873 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN084773.D
Acq: 11 Nov 2024 15:42

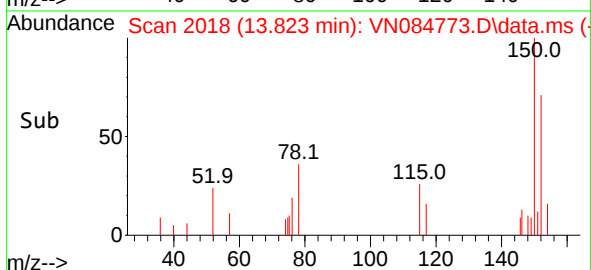
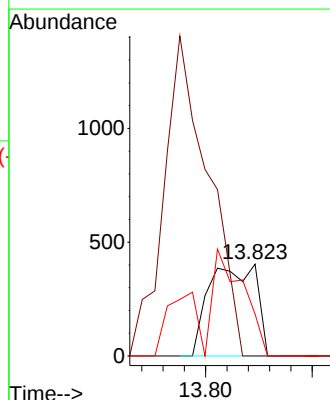
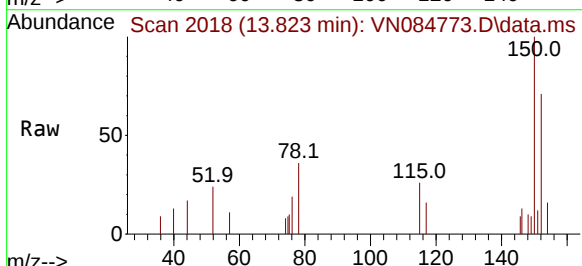
Instrument :
MSVOA_N
ClientSampleId :
WC-2(2)

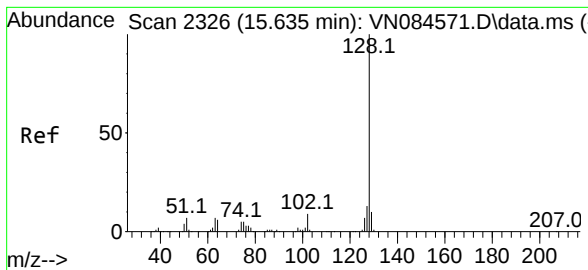
Tgt Ion: 75 Resp: 70866
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.823 min Scan# 2018
Delta R.T. 0.011 min
Lab File: VN084773.D
Acq: 11 Nov 2024 15:42

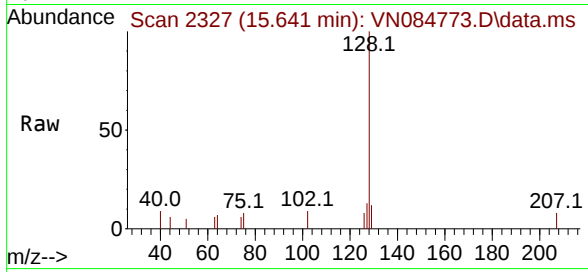
Tgt Ion:146 Resp: 619
Ion Ratio Lower Upper
146 100
111 0.0 21.2 63.6#
148 75.0 31.9 95.9





#95
Naphthalene
Concen: 0.853 ug/l
RT: 15.641 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN084773.D
Acq: 11 Nov 2024 15:42

Instrument :
MSVOA_N
ClientSampleId :
WC-2(2)



Tgt Ion:128 Resp: 6301
Ion Ratio Lower Upper
128 100
127 12.7 10.5 15.7
129 10.1 8.7 13.1

