

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
 Data File : VN084973.D
 Acq On : 20 Nov 2024 16:58
 Operator : JC\MD
 Sample : P4910-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

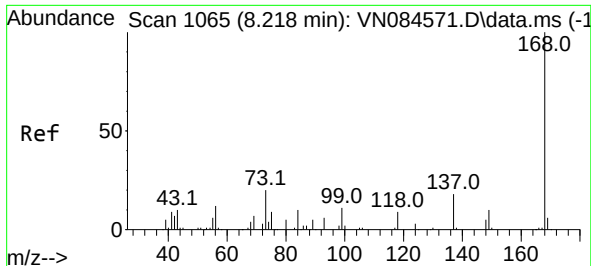
Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 21 00:42:49 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	166019	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	304711	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	281487	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	121559	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	120679	50.327	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.660%			
35) Dibromofluoromethane	8.159	113	99176	48.085	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.160%			
50) Toluene-d8	10.565	98	359508	47.318	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.640%			
62) 4-Bromofluorobenzene	12.847	95	139237	49.036	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.080%			
Target Compounds					Qvalue	
3) Chloromethane	2.365	50	616	Below Cal	#	41
6) Chloroethane	3.112	64	554	Below Cal	#	45
11) Tert butyl alcohol	5.547	59	180	0.569	ug/l #	73
16) Acetone	4.436	43	19398	25.443	ug/l	100
18) Methyl Acetate	5.036	43	5186	Below Cal	#	59
20) Methylene Chloride	5.271	84	2076	0.984	ug/l #	64
25) 2-Butanone	7.477	43	2458	2.197	ug/l #	84
29) Tetrahydrofuran	7.830	42	440	0.593	ug/l #	34
31) Cyclohexane	8.224	56	3985	1.204	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	14418	5.040	ug/l #	52
37) Ethyl Acetate	7.565	43	2998	1.155	ug/l #	81
38) Carbon Tetrachloride	8.218	117	18168	5.682	ug/l #	14
41) Methacrylonitrile	7.853	41	288	0.206	ug/l #	24
43) Isopropyl Acetate	8.688	43	326091	68.367	ug/l #	67
45) 1,2-Dichloropropane	9.735	63	656	0.304	ug/l #	44
48) Methyl methacrylate	9.659	41	2679	1.326	ug/l #	42
51) 4-Methyl-2-Pentanone	10.441	43	4834	1.954	ug/l	88
54) cis-1,3-Dichloropropene	10.359	75	32019	9.118	ug/l #	63
56) Ethyl methacrylate	10.982	69	1005	0.343	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	4414	1.271	ug/l #	42
59) 2-Hexanone	11.200	43	47573	26.417	ug/l #	57
71) Bromoform	12.847	173	487	0.295	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	71724	29.517	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	71724	70.027	ug/l #	11
88) 1,4-Dichlorobenzene	13.806	146	404	Below Cal	#	1

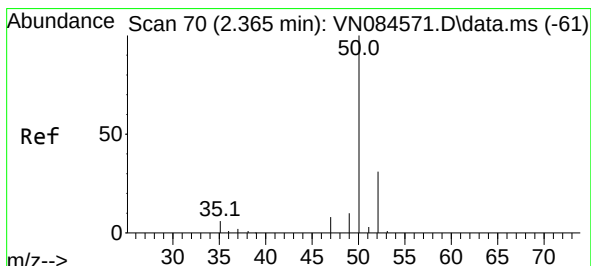
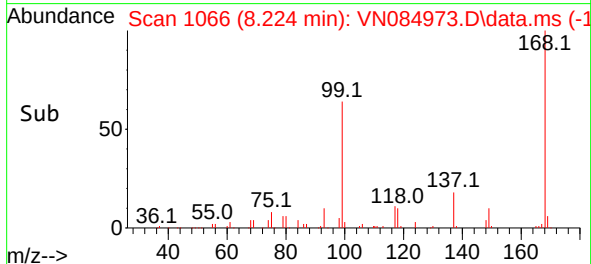
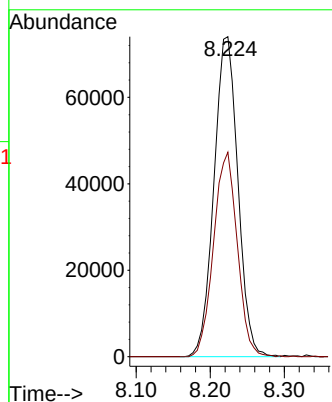
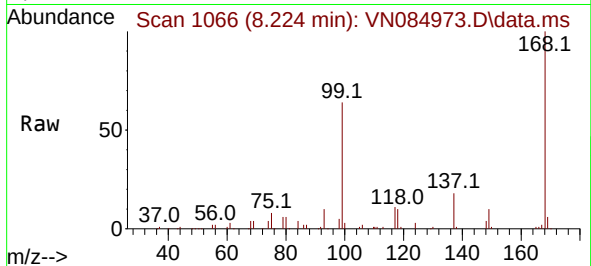
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084973.D
Acq: 20 Nov 2024 16:58

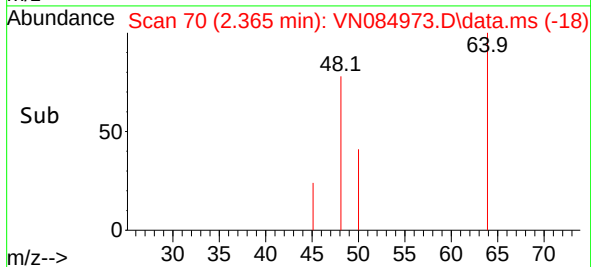
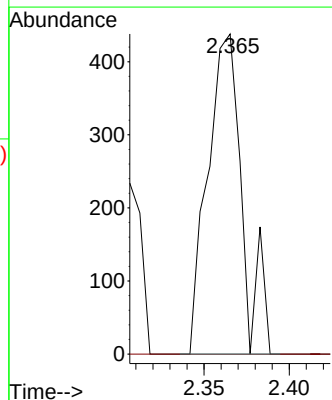
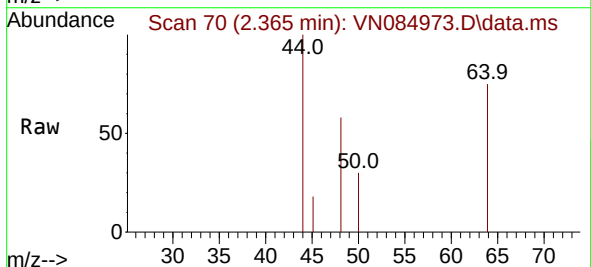
Instrument :
MSVOA_N
ClientSampleId :

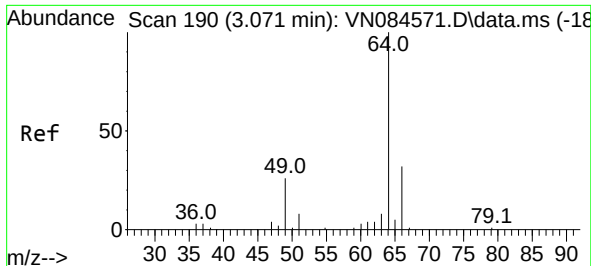
Tgt Ion:168 Resp: 166019
Ion Ratio Lower Upper
168 100
99 63.9 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084973.D
Acq: 20 Nov 2024 16:58

Tgt Ion: 50 Resp: 616
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

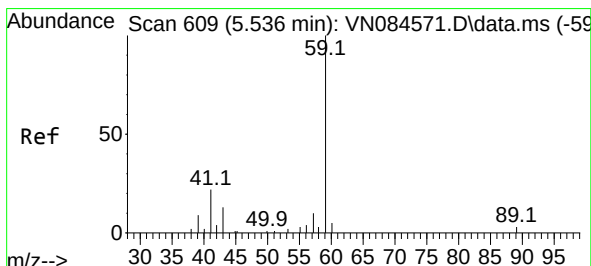
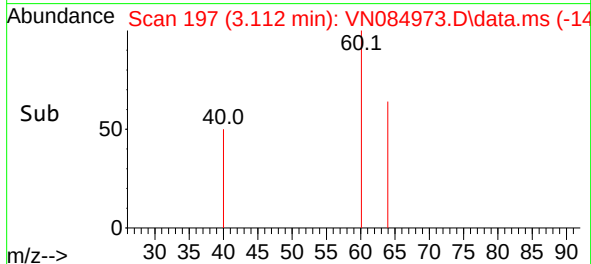
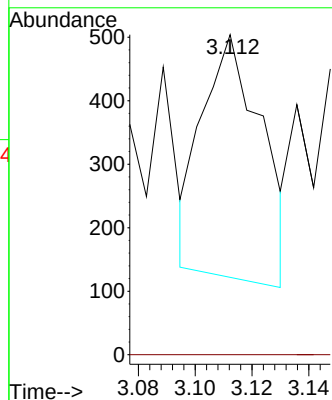
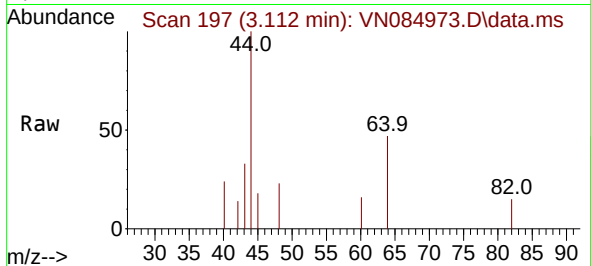




#6
Chloroethane
Concen: Below Cal
RT: 3.112 min Scan# 190
Delta R.T. -0.006 min
Lab File: VN084973.D
Acq: 20 Nov 2024 16:58

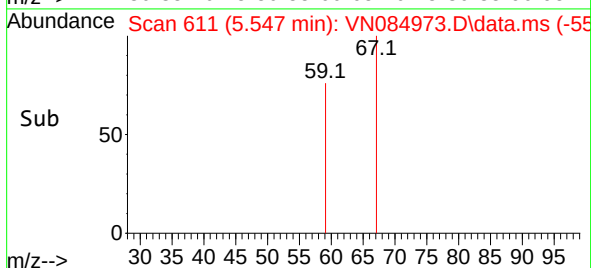
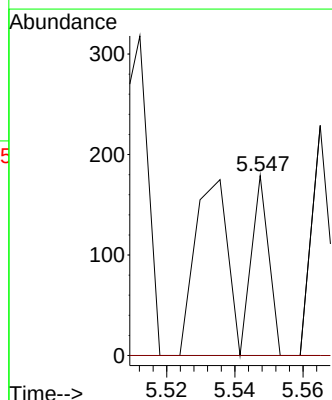
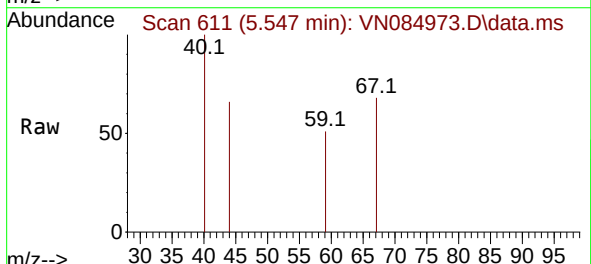
Instrument :
MSVOA_N
ClientSampleId :

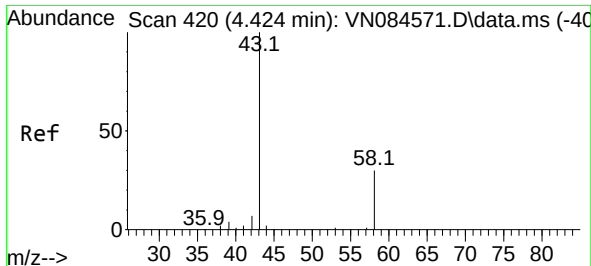
Tgt Ion: 64 Resp: 554
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 0.569 ug/l
RT: 5.547 min Scan# 611
Delta R.T. 0.024 min
Lab File: VN084973.D
Acq: 20 Nov 2024 16:58

Tgt Ion: 59 Resp: 180
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

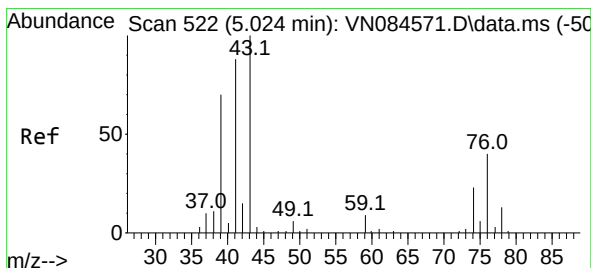
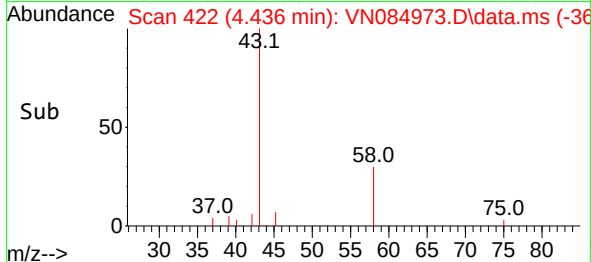
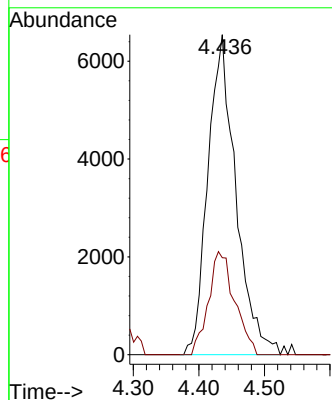
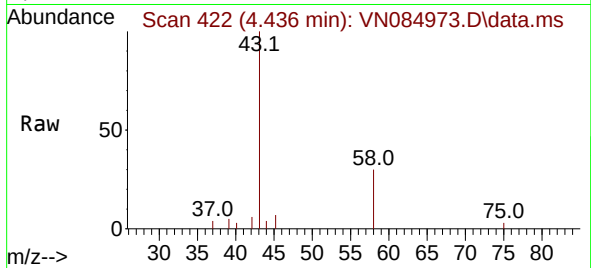




#16
Acetone
Concen: 25.443 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN084973.D
Acq: 20 Nov 2024 16:58

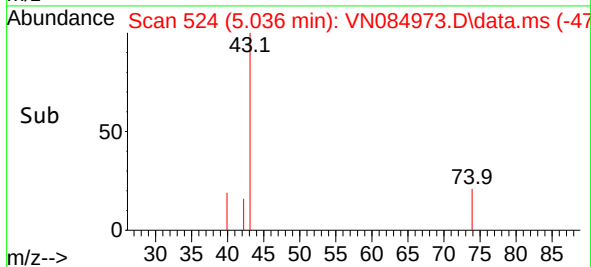
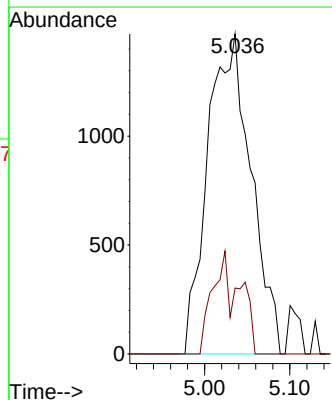
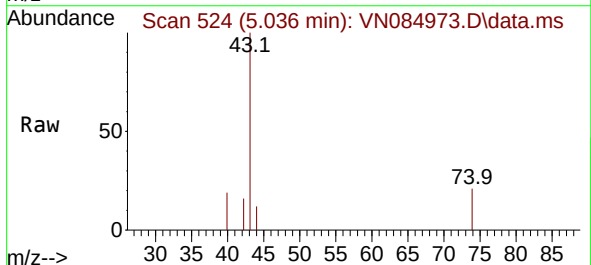
Instrument :
MSVOA_N
ClientSampleId :

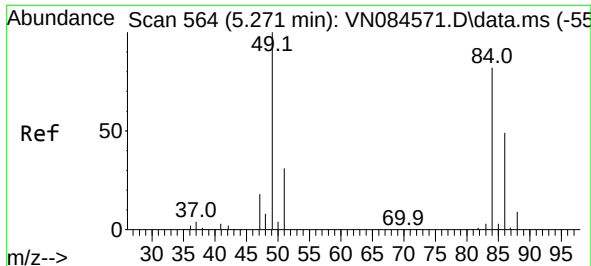
Tgt Ion: 43 Resp: 19398
Ion Ratio Lower Upper
43 100
58 30.3 24.4 36.6



#18
Methyl Acetate
Concen: Below Cal
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN084973.D
Acq: 20 Nov 2024 16:58

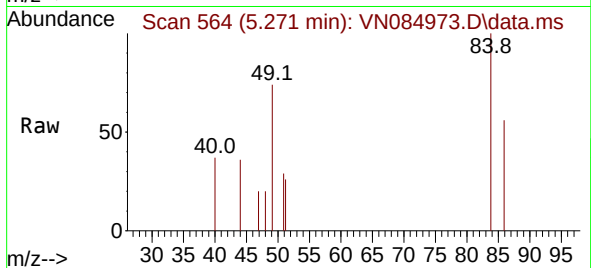
Tgt Ion: 43 Resp: 5186
Ion Ratio Lower Upper
43 100
74 3.9 19.2 28.8#



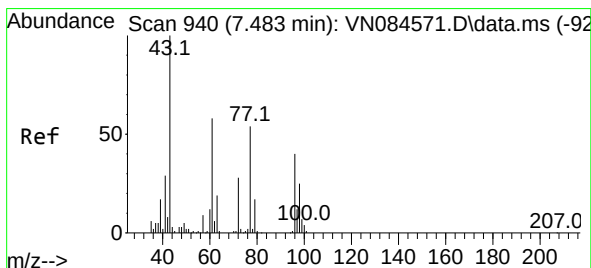
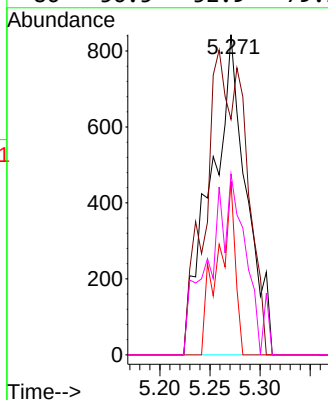
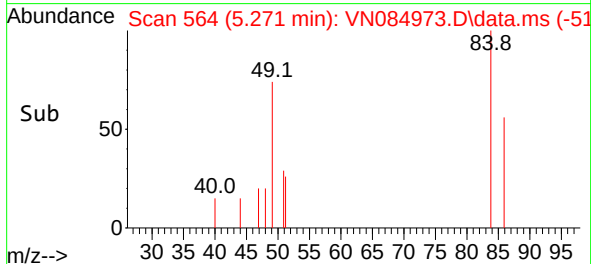


#20
Methylene Chloride
Concen: 0.984 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN084973.D
Acq: 20 Nov 2024 16:58

Instrument :
MSVOA_N
ClientSampleId :

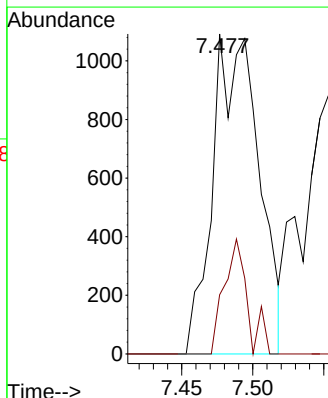
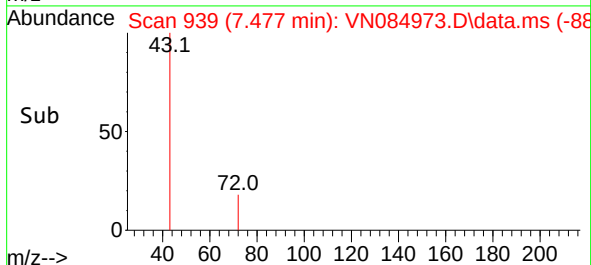
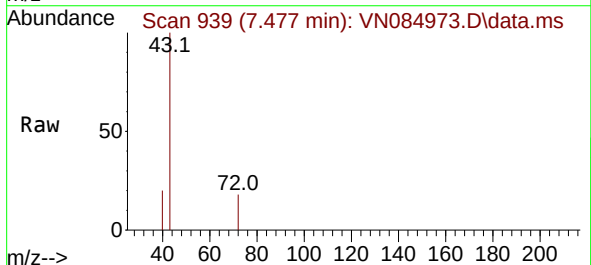


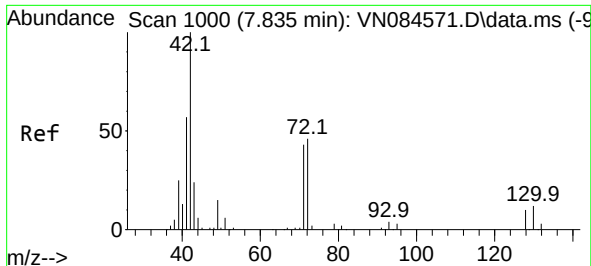
Tgt Ion:	84	Resp:	2076
Ion	Ratio	Lower	Upper
84	100		
49	73.5	107.2	160.8#
51	54.2	31.8	47.8#
86	56.5	52.9	79.3



#25
2-Butanone
Concen: 2.197 ug/l
RT: 7.477 min Scan# 939
Delta R.T. -0.006 min
Lab File: VN084973.D
Acq: 20 Nov 2024 16:58

Tgt Ion:	43	Resp:	2458
Ion	Ratio	Lower	Upper
43	100		
72	18.5	21.4	32.2#

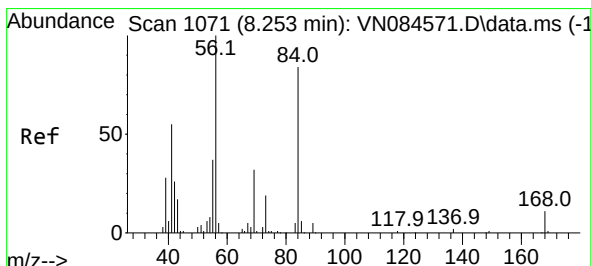
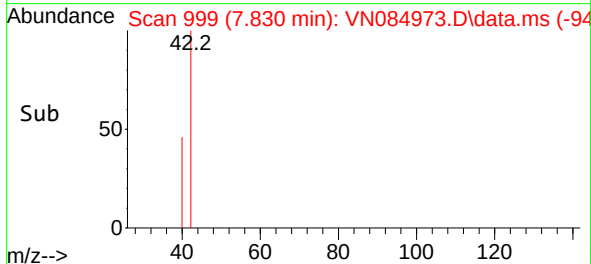
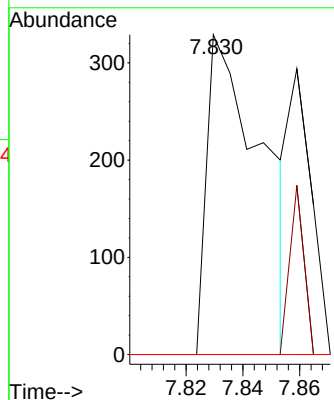
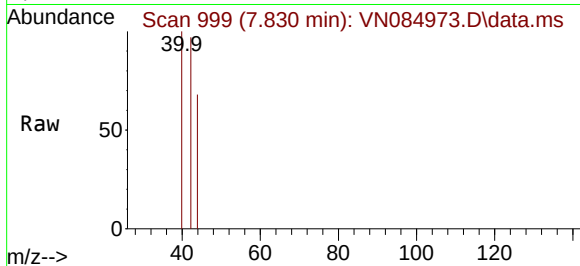




#29
Tetrahydrofuran
Concen: 0.593 ug/l
RT: 7.830 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN084973.D
Acq: 20 Nov 2024 16:58

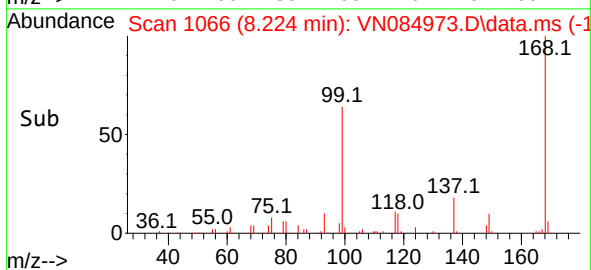
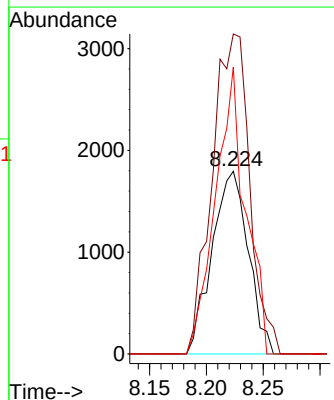
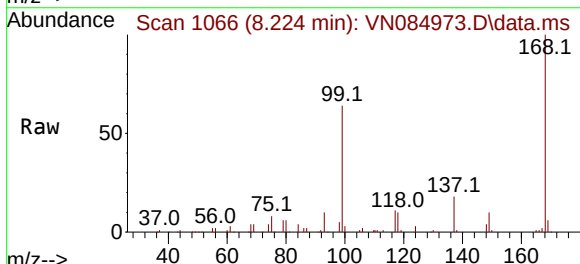
Instrument :
MSVOA_N
ClientSampleId :

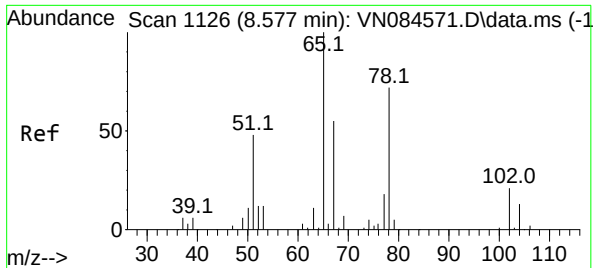
Tgt Ion: 42 Resp: 440
Ion Ratio Lower Upper
42 100
72 0.0 34.6 51.8#
71 0.0 32.2 48.4#



#31
Cyclohexane
Concen: 1.204 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN084973.D
Acq: 20 Nov 2024 16:58

Tgt Ion: 56 Resp: 3985
Ion Ratio Lower Upper
56 100
69 175.1 23.8 35.6#
84 156.9 68.8 103.2#

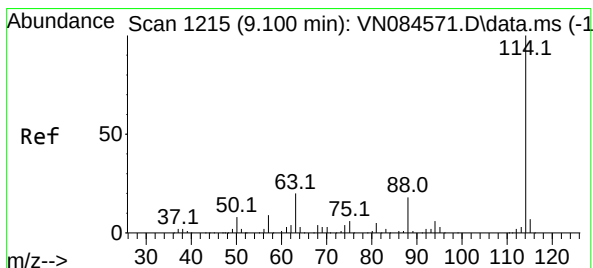
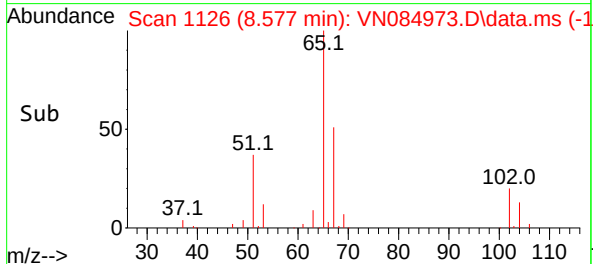
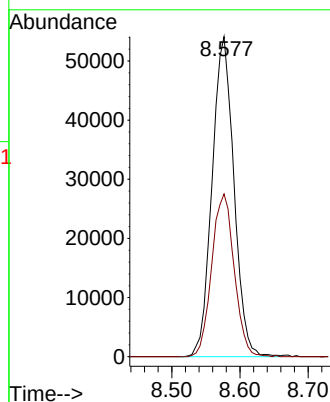
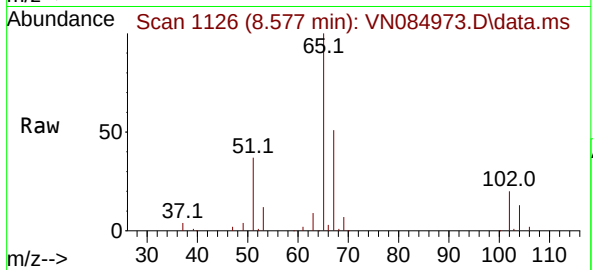




#33
1,2-Dichloroethane-d4
Concen: 50.327 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084973.D
Acq: 20 Nov 2024 16:58

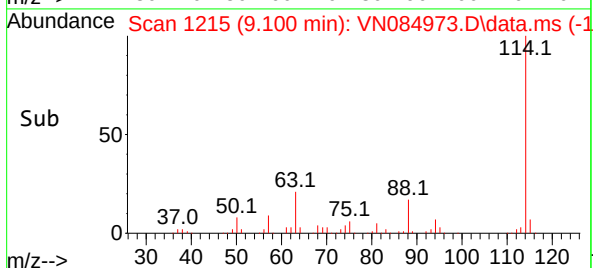
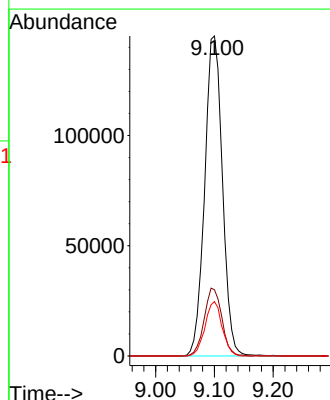
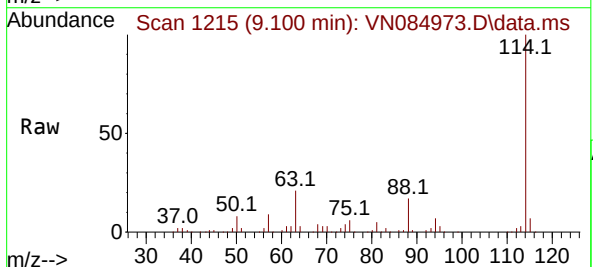
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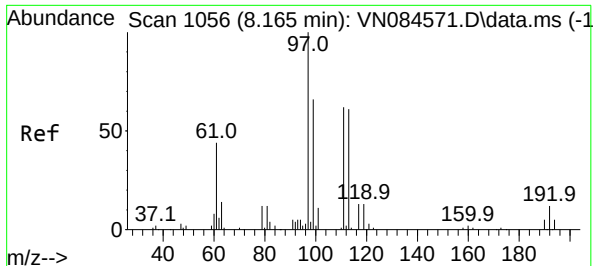
Tgt Ion: 65 Resp: 120679
Ion Ratio Lower Upper
65 100
67 52.3 0.0 102.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084973.D
Acq: 20 Nov 2024 16:58

Tgt Ion:114 Resp: 304711
Ion Ratio Lower Upper
114 100
63 20.7 0.0 43.8
88 17.0 0.0 31.6





#35

Dibromofluoromethane

Concen: 48.085 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

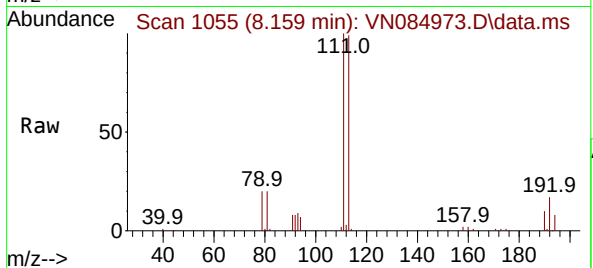
Lab File: VN084973.D

Acq: 20 Nov 2024 16:58

Instrument :

MSVOA_N

ClientSampleId :



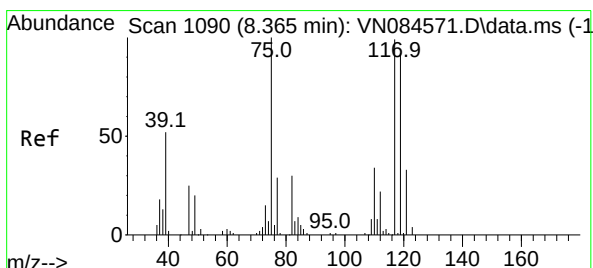
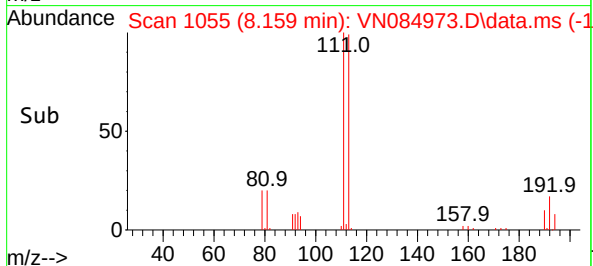
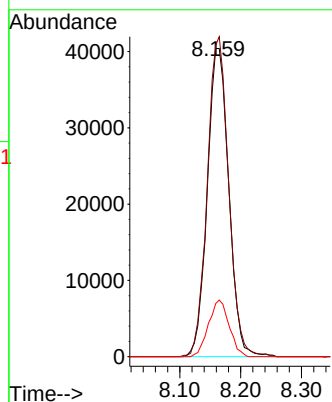
Tgt Ion:113 Resp: 99176

Ion Ratio Lower Upper

113 100

111 103.1 83.3 124.9

192 17.6 13.5 20.3



#36

1,1-Dichloropropene

Concen: 5.040 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN084973.D

Acq: 20 Nov 2024 16:58

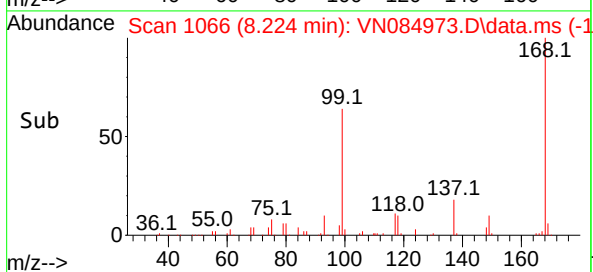
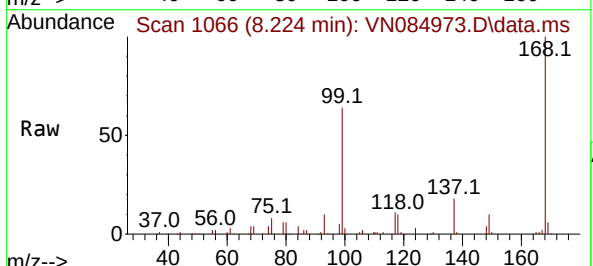
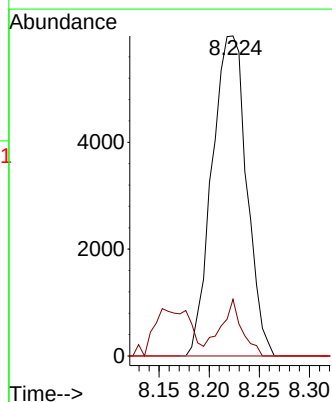
Tgt Ion: 75 Resp: 14418

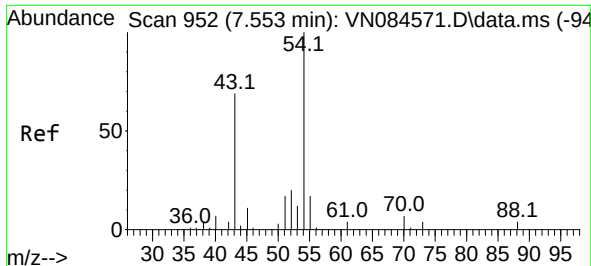
Ion Ratio Lower Upper

75 100

110 10.9 16.9 50.7#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.155 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.006 min

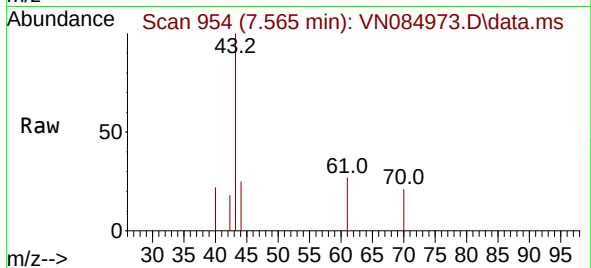
Lab File: VN084973.D

Acq: 20 Nov 2024 16:58

Instrument :

MSVOA_N

ClientSampleId :



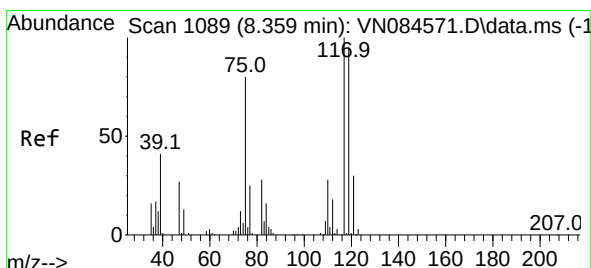
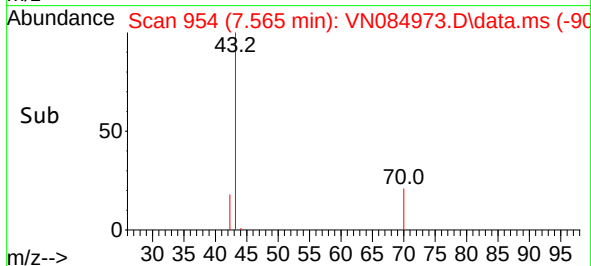
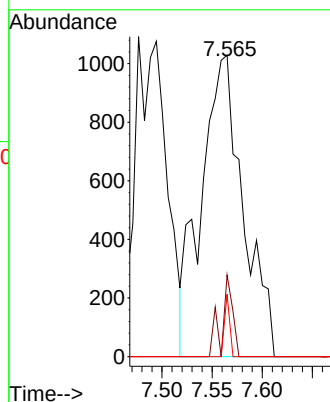
Tgt Ion: 43 Resp: 2998

Ion Ratio Lower Upper

43 100

61 7.1 10.7 16.1#

70 2.5 8.8 13.2#



#38

Carbon Tetrachloride

Concen: 5.682 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.141 min

Lab File: VN084973.D

Acq: 20 Nov 2024 16:58

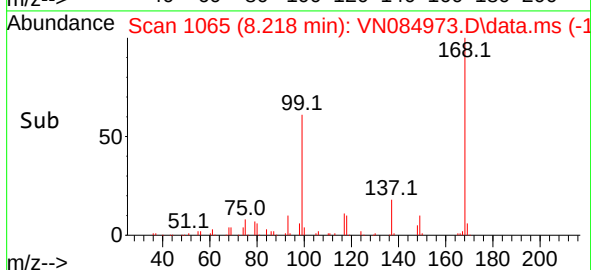
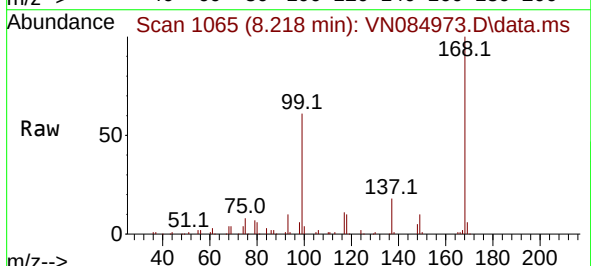
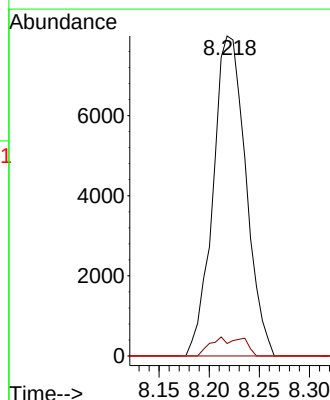
Tgt Ion: 117 Resp: 18168

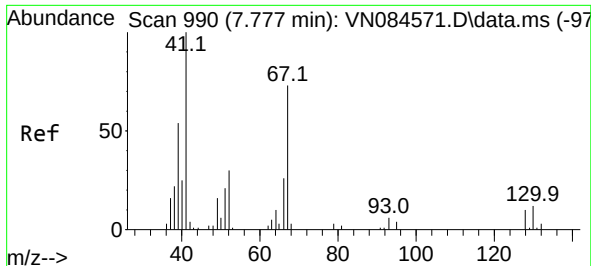
Ion Ratio Lower Upper

117 100

119 3.9 78.7 118.1#

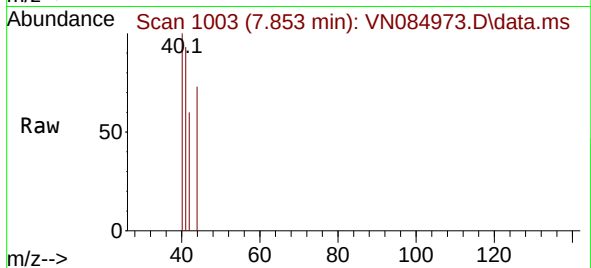
121 0.0 24.4 36.6#



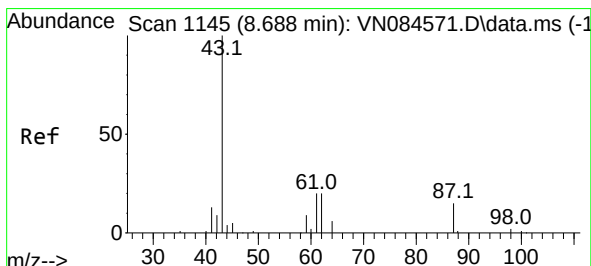
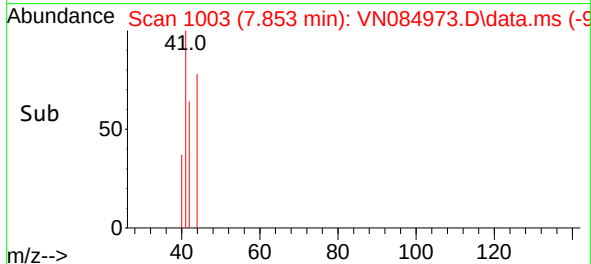
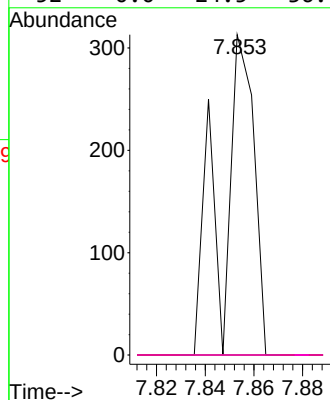


#41
Methacrylonitrile
Concen: 0.206 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.076 min
Lab File: VN084973.D
Acq: 20 Nov 2024 16:58

Instrument :
MSVOA_N
ClientSampleId :

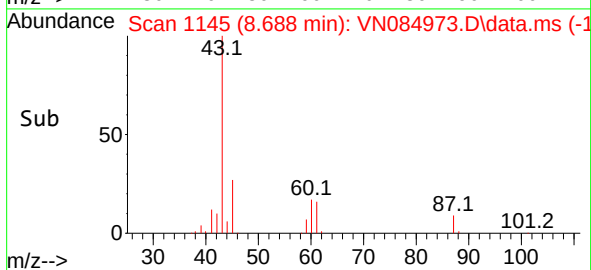
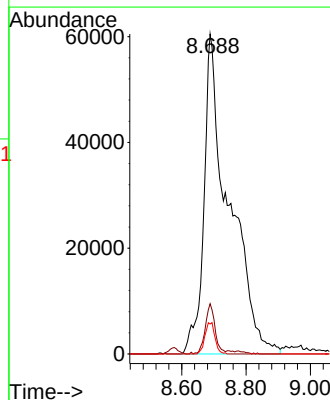
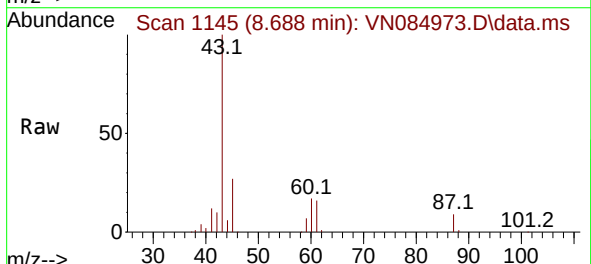


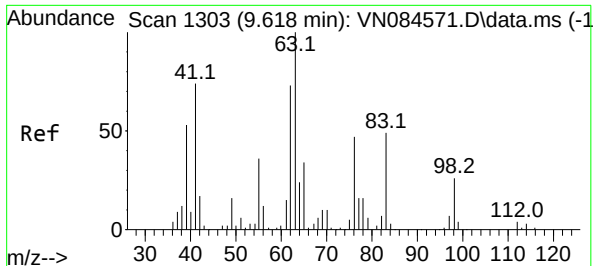
Tgt Ion:	41	Resp:	288
Ion	Ratio	Lower	Upper
41	100		
39	0.0	43.3	64.9#
67	0.0	56.1	84.1#
52	0.0	24.5	36.7#



#43
Isopropyl Acetate
Concen: 68.367 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084973.D
Acq: 20 Nov 2024 16:58

Tgt Ion:	43	Resp:	326091
Ion	Ratio	Lower	Upper
43	100		
61	6.1	20.4	30.6#
87	3.9	10.3	15.5#

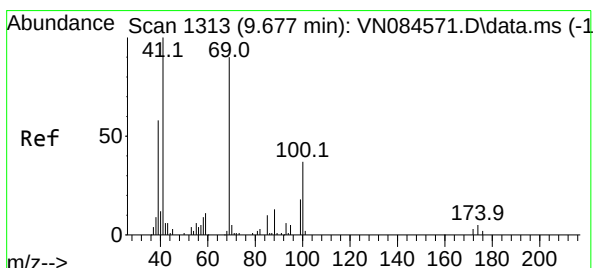
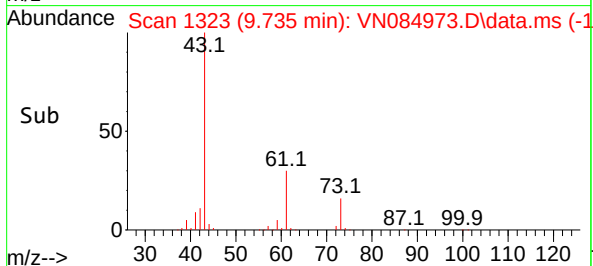
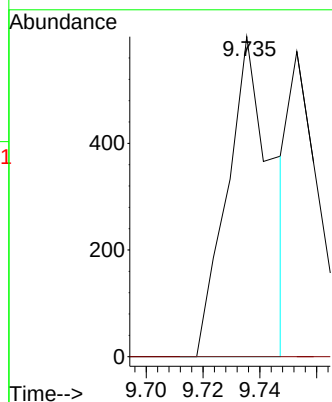
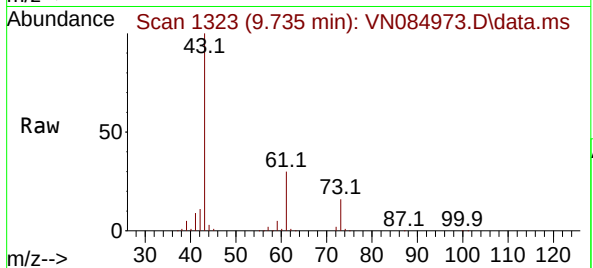




#45
1,2-Dichloropropane
Concen: 0.304 ug/l
RT: 9.735 min Scan# 11
Delta R.T. 0.117 min
Lab File: VN084973.D
Acq: 20 Nov 2024 16:58

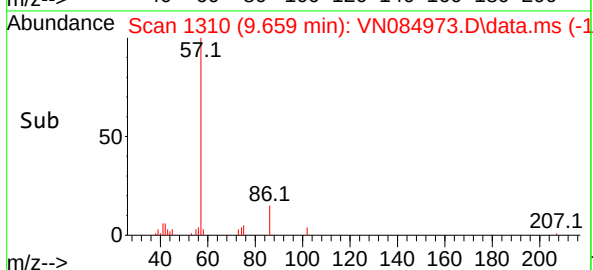
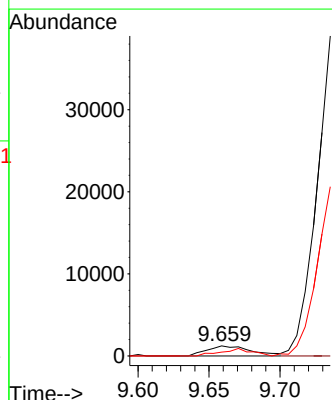
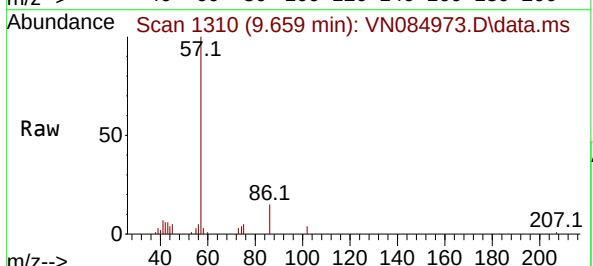
Instrument :
MSVOA_N
ClientSampleId :

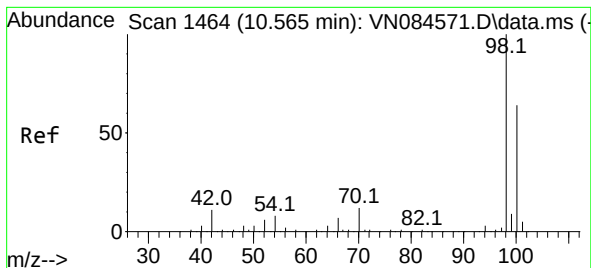
Tgt Ion: 63 Resp: 656
Ion Ratio Lower Upper
63 100
65 0.0 24.6 37.0#



#48
Methyl methacrylate
Concen: 1.326 ug/l
RT: 9.659 min Scan# 1310
Delta R.T. -0.018 min
Lab File: VN084973.D
Acq: 20 Nov 2024 16:58

Tgt Ion: 41 Resp: 2679
Ion Ratio Lower Upper
41 100
69 0.0 67.1 100.7#
39 51.0 45.8 68.6

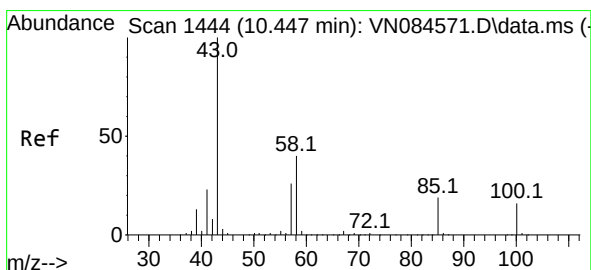
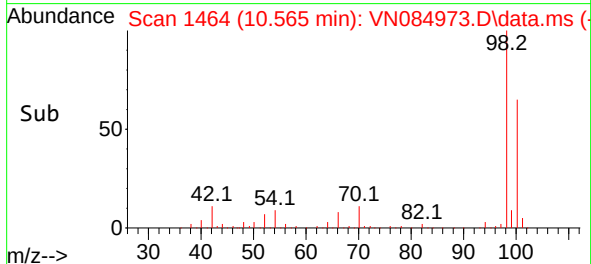
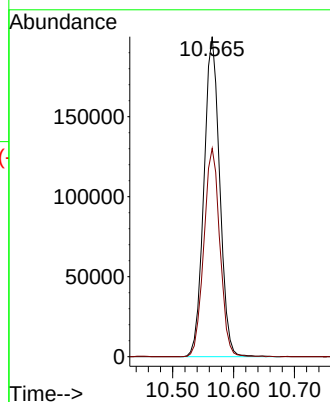
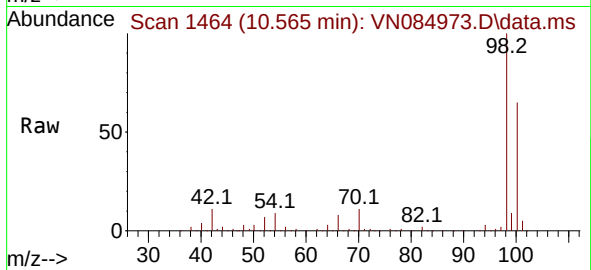




#50
Toluene-d8
Concen: 47.318 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084973.D
Acq: 20 Nov 2024 16:58

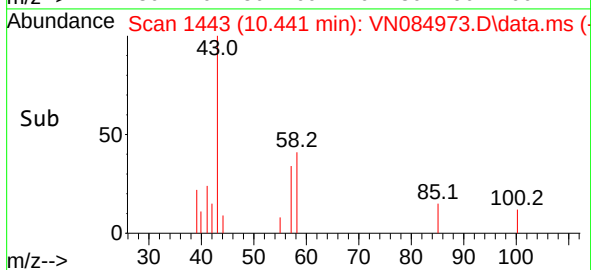
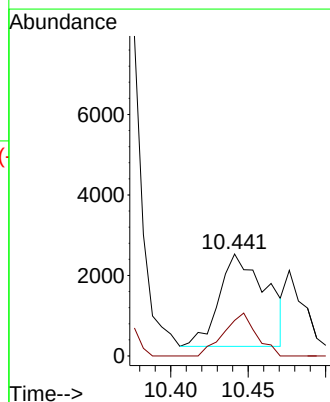
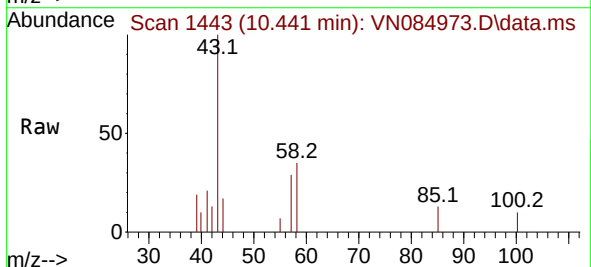
Instrument :
MSVOA_N
ClientSampleId :

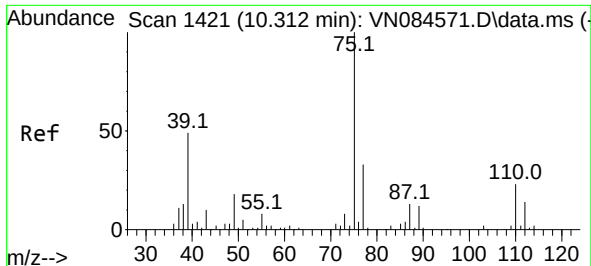
Tgt Ion: 98 Resp: 359508
Ion Ratio Lower Upper
98 100
100 66.0 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 1.954 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN084973.D
Acq: 20 Nov 2024 16:58

Tgt Ion: 43 Resp: 4834
Ion Ratio Lower Upper
43 100
58 32.1 31.6 47.4

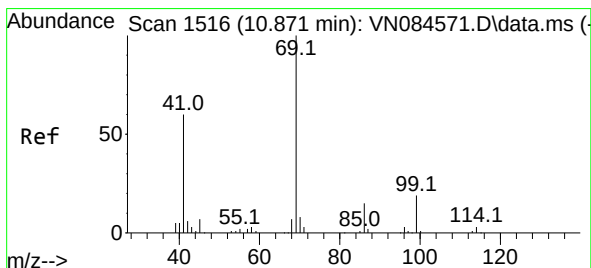
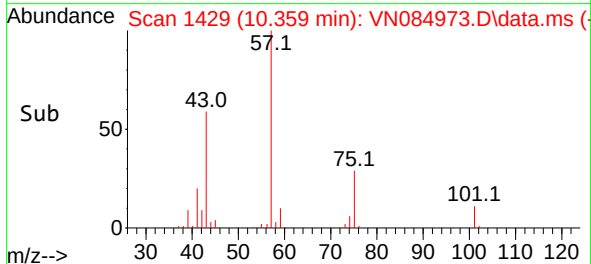
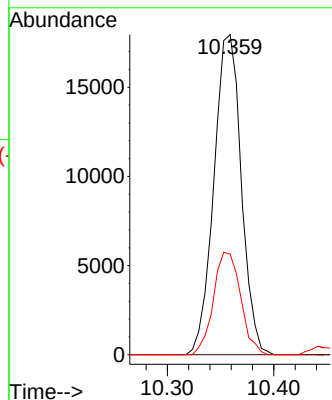
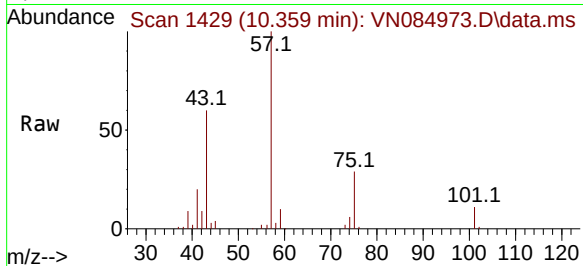




#54
cis-1,3-Dichloropropene
Concen: 9.118 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN084973.D
Acq: 20 Nov 2024 16:58

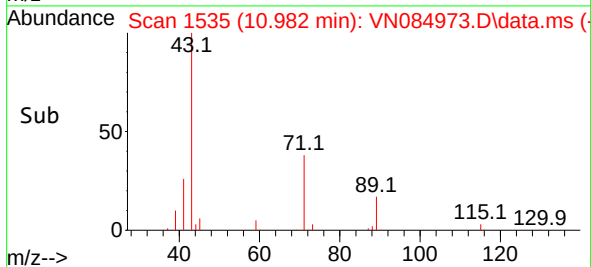
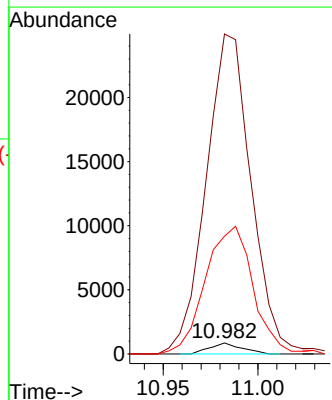
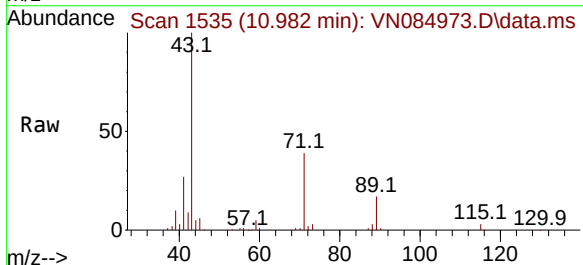
Instrument :
MSVOA_N
ClientSampleId :

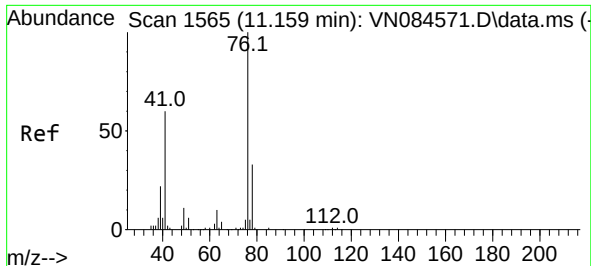
Tgt Ion: 75 Resp: 32019
Ion Ratio Lower Upper
75 100
77 0.0 24.2 36.2#
39 31.5 38.7 58.1#



#56
Ethyl methacrylate
Concen: 0.343 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.112 min
Lab File: VN084973.D
Acq: 20 Nov 2024 16:58

Tgt Ion: 69 Resp: 1005
Ion Ratio Lower Upper
69 100
41 4132.1 53.3 79.9#
39 1739.8 28.8 43.2#





#57

1,3-Dichloropropane

Concen: 1.271 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.047 min

Lab File: VN084973.D

Acq: 20 Nov 2024 16:58

Instrument :

MSVOA_N

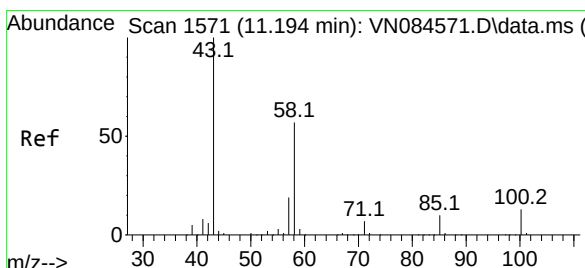
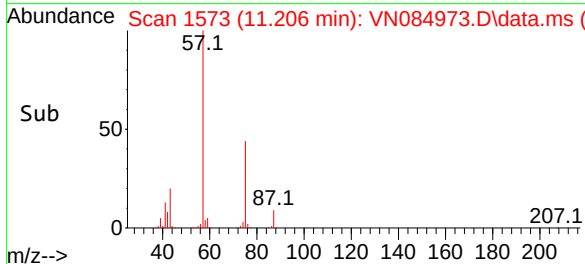
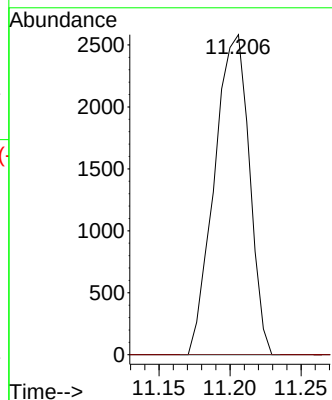
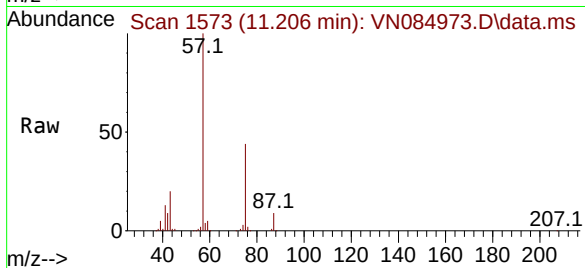
ClientSampleId :

Tgt Ion: 76 Resp: 4414

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 26.417 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN084973.D

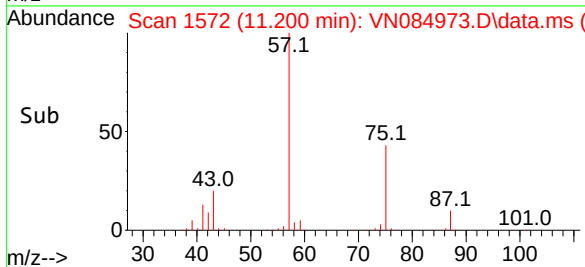
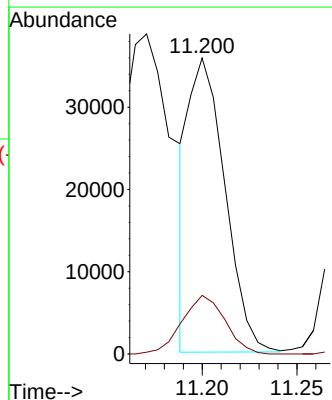
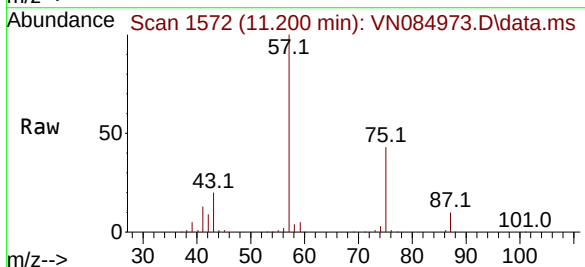
Acq: 20 Nov 2024 16:58

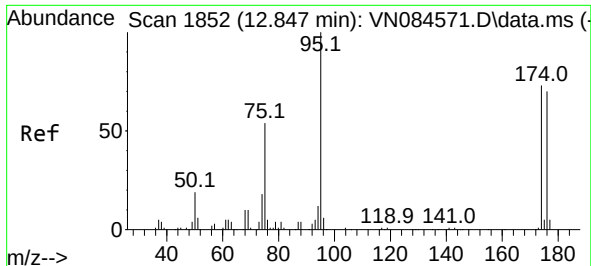
Tgt Ion: 43 Resp: 47573

Ion Ratio Lower Upper

43 100

58 23.6 27.3 81.8#

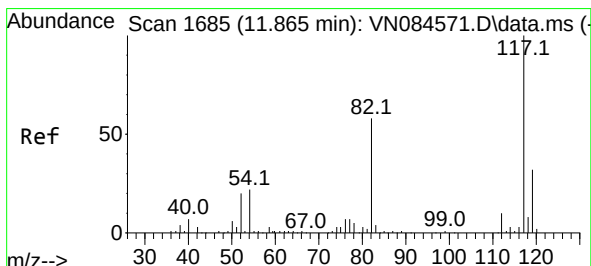
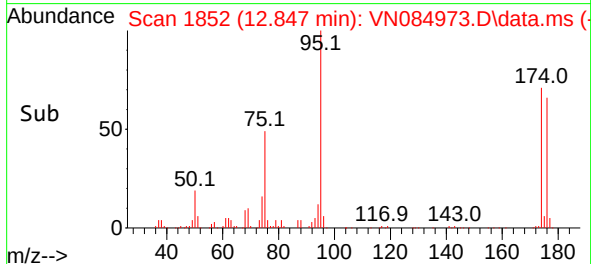
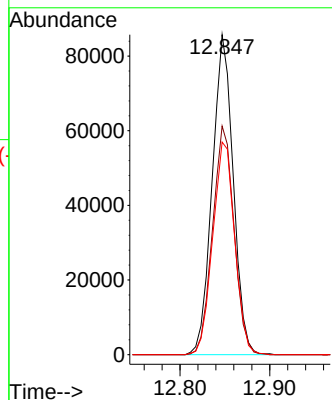
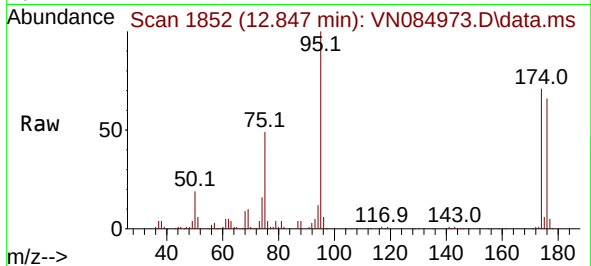




#62
4-Bromofluorobenzene
Concen: 49.036 ug/l
RT: 12.847 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084973.D
Acq: 20 Nov 2024 16:58

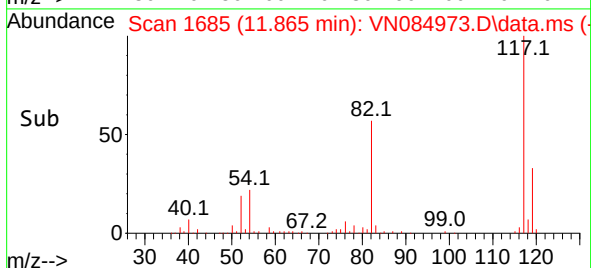
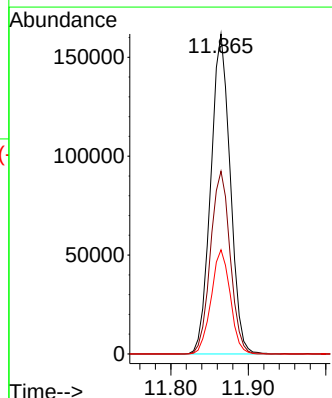
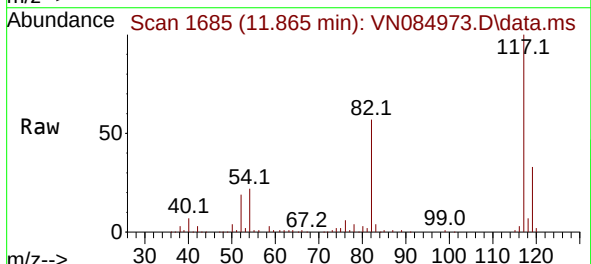
Instrument :
MSVOA_N
ClientSampleId :

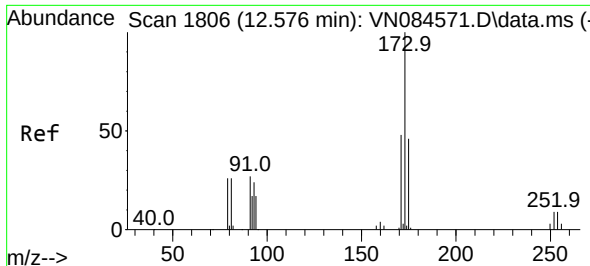
Tgt Ion: 95 Resp: 139237
Ion Ratio Lower Upper
95 100
174 73.1 0.0 145.2
176 69.5 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084973.D
Acq: 20 Nov 2024 16:58

Tgt Ion: 117 Resp: 281487
Ion Ratio Lower Upper
117 100
82 57.1 47.2 70.8
119 32.6 25.4 38.0

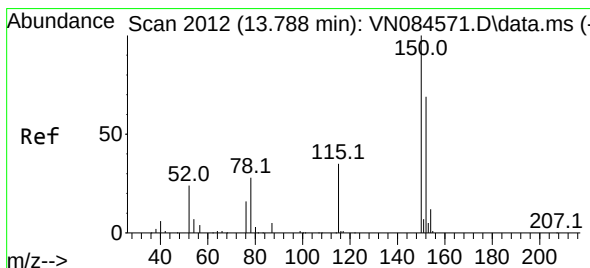
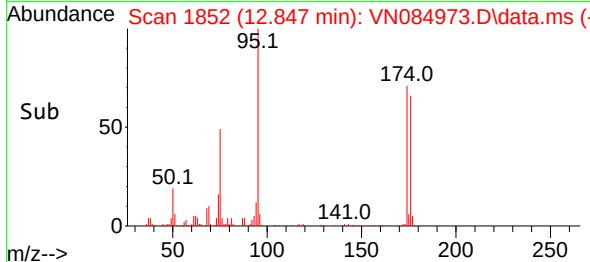
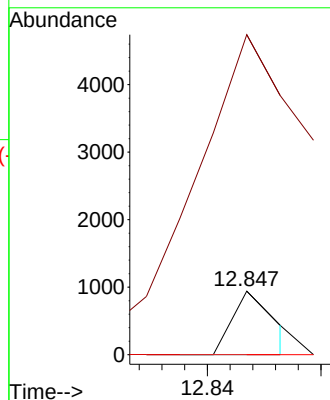
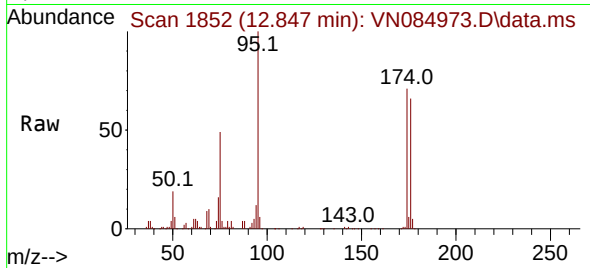




#71
Bromoform
Concen: 0.295 ug/l
RT: 12.847 min Scan# 1806
Delta R.T. 0.271 min
Lab File: VN084973.D
Acq: 20 Nov 2024 16:58

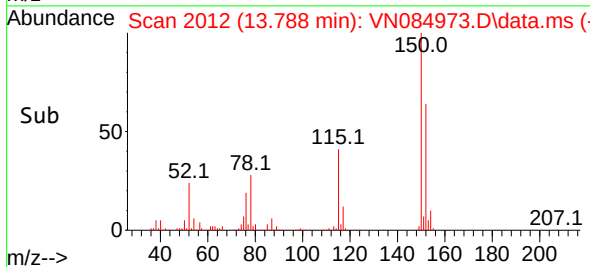
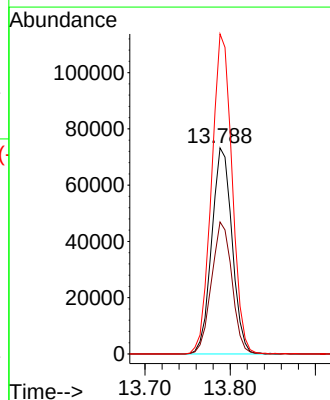
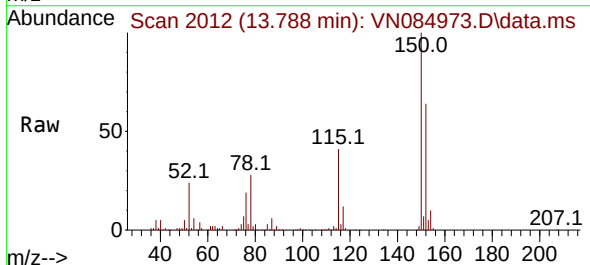
Instrument :
MSVOA_N
ClientSampleId :

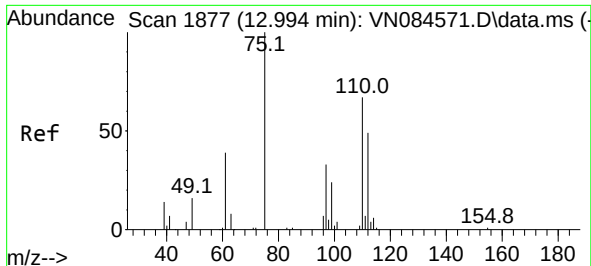
Tgt Ion:173 Resp: 487
Ion Ratio Lower Upper
173 100
175 1113.3 23.5 70.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VN084973.D
Acq: 20 Nov 2024 16:58

Tgt Ion:152 Resp: 121559
Ion Ratio Lower Upper
152 100
115 64.2 31.3 93.9
150 156.3 0.0 349.8

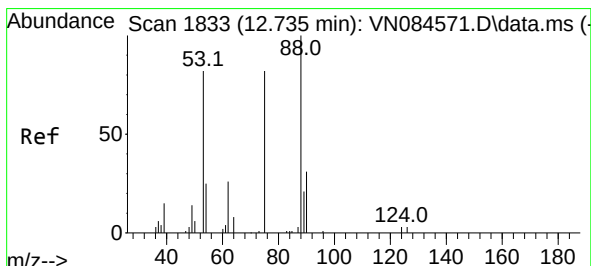
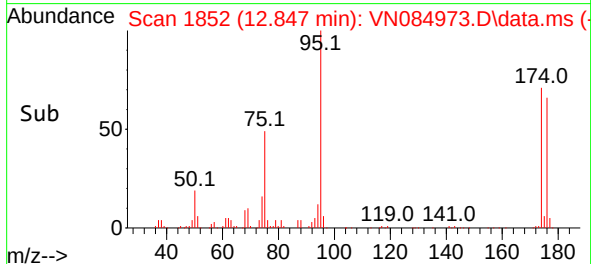
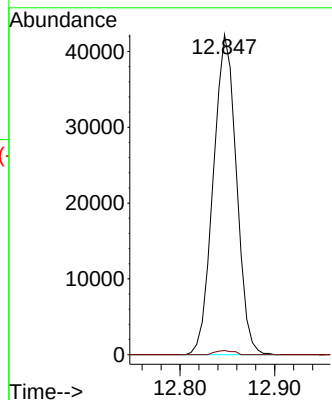
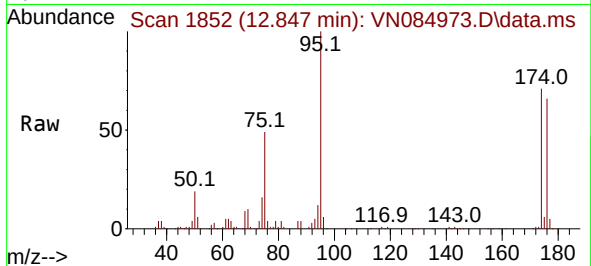




#76
1,2,3-Trichloropropane
Concen: 29.517 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084973.D
Acq: 20 Nov 2024 16:58

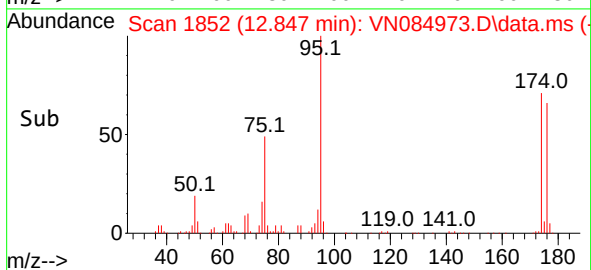
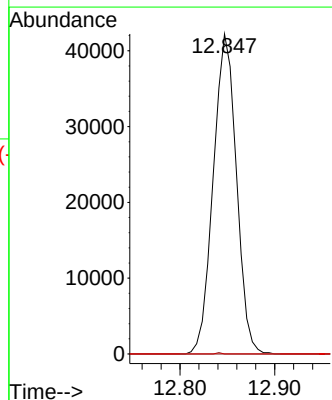
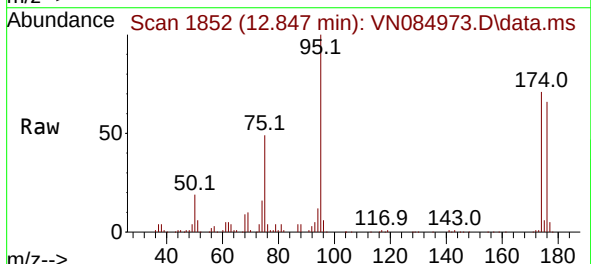
Instrument :
MSVOA_N
ClientSampleId :

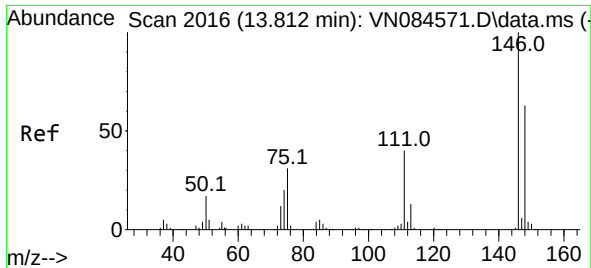
Tgt Ion: 75 Resp: 71724
Ion Ratio Lower Upper
75 100
77 1.0 96.9 290.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.027 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084973.D
Acq: 20 Nov 2024 16:58

Tgt Ion: 75 Resp: 71724
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 35.5 53.3#





#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 13.806 min Scan# 20

Delta R.T. -0.006 min

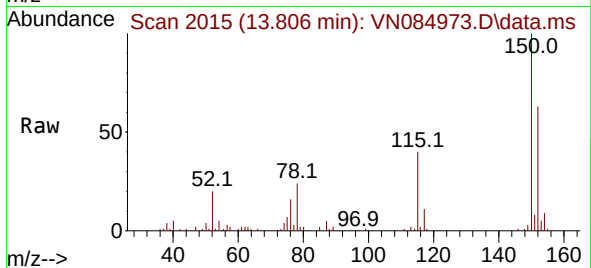
Lab File: VN084973.D

Acq: 20 Nov 2024 16:58

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	146	Resp:	404
Ion	Ratio	Lower	Upper
146	100		
111	426.7	21.2	63.6#
148	91.8	31.9	95.9

