

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100224\
 Data File : VN084271.D
 Acq On : 02 Oct 2024 17:45
 Operator : JC\MD
 Sample : P4226-14
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 03 02:02:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 01 07:11:01 2024
 Response via : Initial Calibration

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

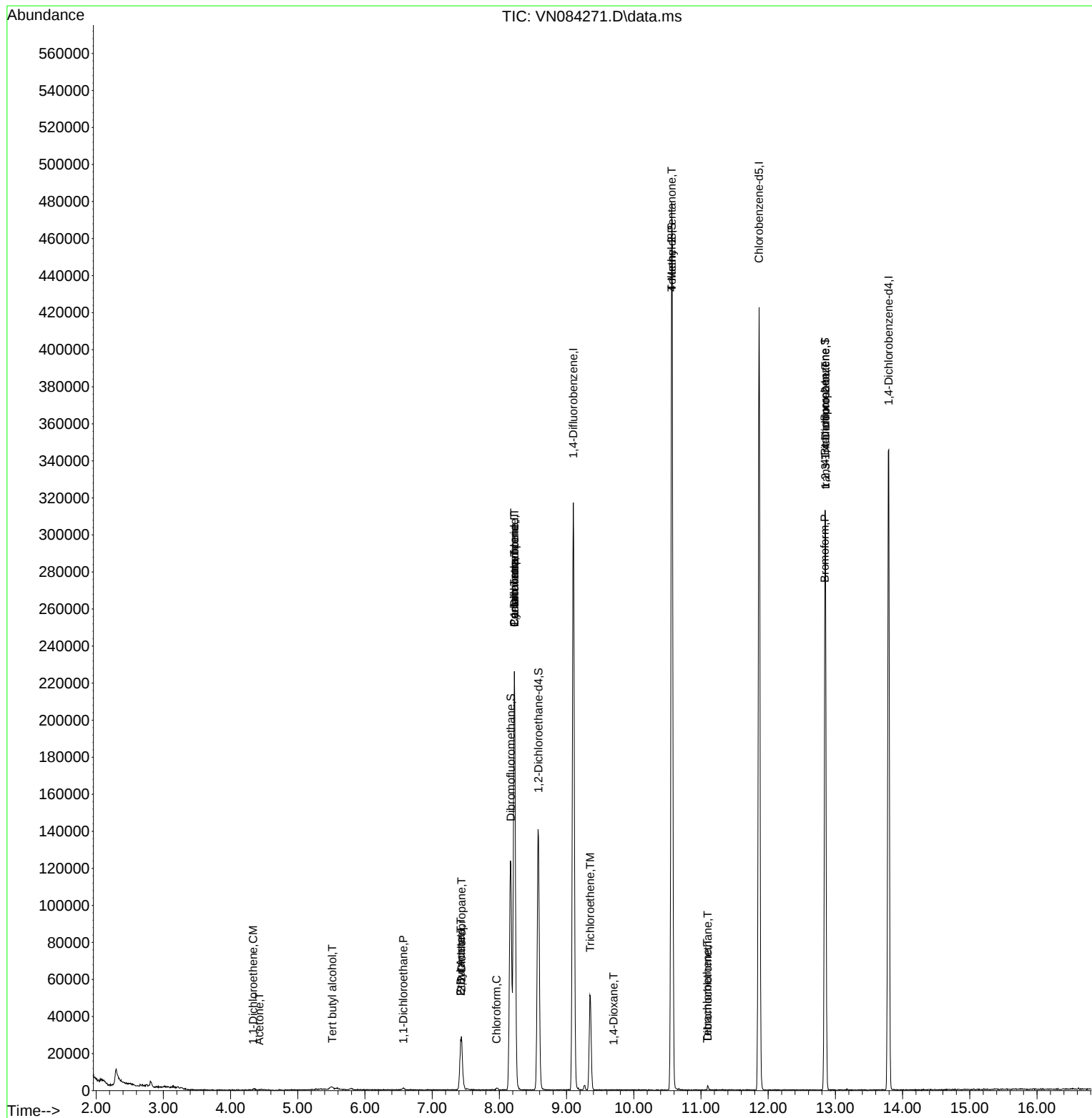
Internal Standards						
1) Pentafluorobenzene	8.224	168	155781	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	268067	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	231021	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	93723	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	116683	50.518	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 101.040%	
35) Dibromofluoromethane	8.171	113	91062	51.527	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.060%	
50) Toluene-d8	10.565	98	325573	50.073	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.140%	
62) 4-Bromofluorobenzene	12.847	95	111650	47.135	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 94.280%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.512	59	1729	4.540	ug/l #	73
12) 1,1-Dichloroethene	4.336	96	367	0.209	ug/l #	45
16) Acetone	4.430	43	280	0.282	ug/l #	44
24) 1,1-Dichloroethane	6.571	63	1776	0.504	ug/l #	83
25) 2-Butanone	7.424	43	1408	1.042	ug/l #	48
26) 2,2-Dichloropropane	7.435	77	1730	0.545	ug/l #	54
30) Chloroform	7.959	83	1210	0.331	ug/l #	72
31) Cyclohexane	8.224	56	3634	1.062	ug/l #	16
36) 1,1-Dichloropropene	8.224	75	14132	5.505	ug/l #	50
37) Ethyl Acetate	7.424	43	1408	0.535	ug/l #	1
38) Carbon Tetrachloride	8.224	117	16852	5.985	ug/l #	15
44) Trichloroethene	9.353	130	18821	10.075	ug/l	100
49) 1,4-Dioxane	9.700	88	54	1.428	ug/l #	23
51) 4-Methyl-2-Pentanone	10.565	43	1548	0.617	ug/l #	1
60) Dibromochloromethane	11.100	129	705	0.341	ug/l #	11
64) Tetrachloroethene	11.094	164	555	0.345	ug/l #	51
71) Bromoform	12.841	173	468	0.360	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	59238	30.960	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	59238	74.225	ug/l #	11

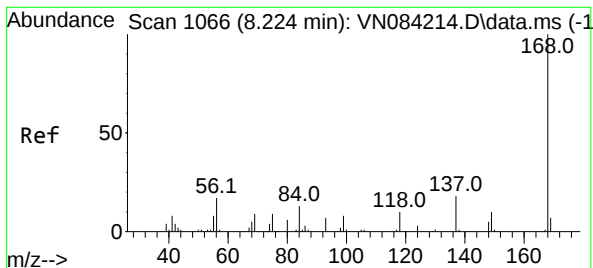
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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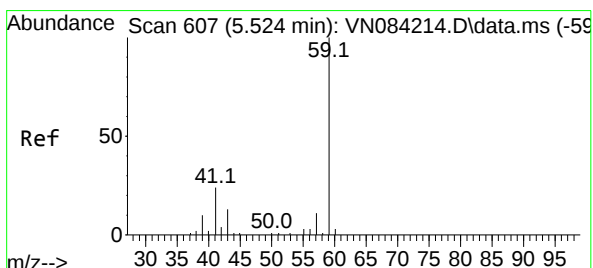
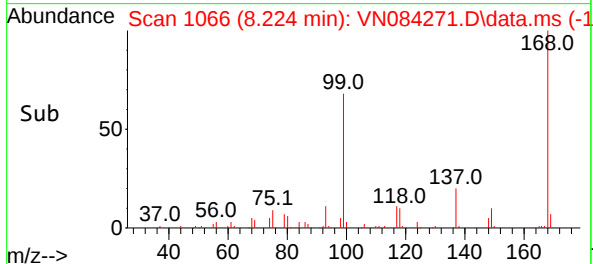
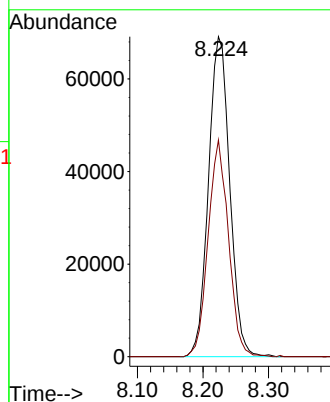
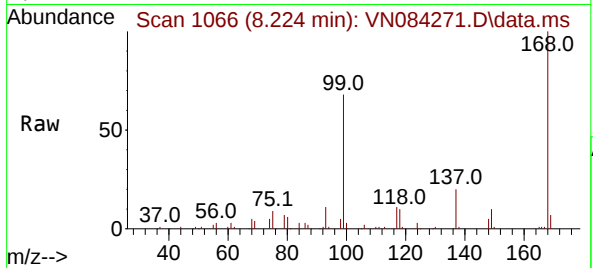




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084271.D
Acq: 02 Oct 2024 17:45

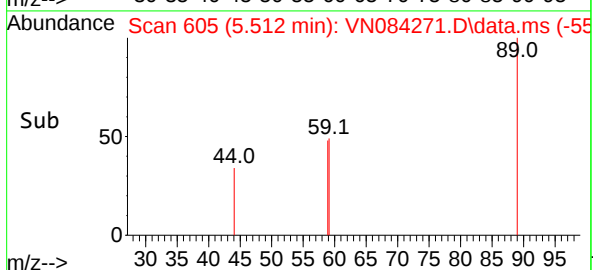
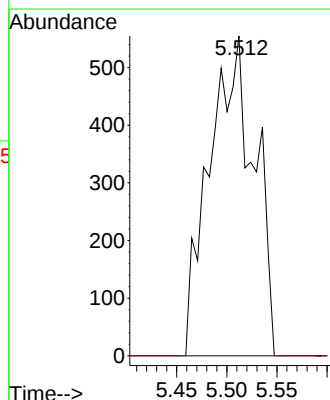
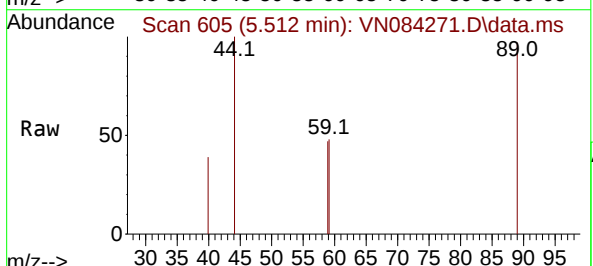
Instrument :
MSVOA_N
ClientSampleId :

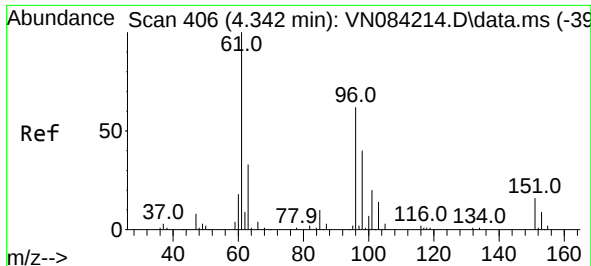
Tgt Ion:168 Resp: 155781
Ion Ratio Lower Upper
168 100
99 67.7 54.2 81.2



#11
Tert butyl alcohol
Concen: 4.540 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.012 min
Lab File: VN084271.D
Acq: 02 Oct 2024 17:45

Tgt Ion: 59 Resp: 1729
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#12

1,1-Dichloroethene

Concen: 0.209 ug/l

RT: 4.336 min Scan# 406

Delta R.T. -0.006 min

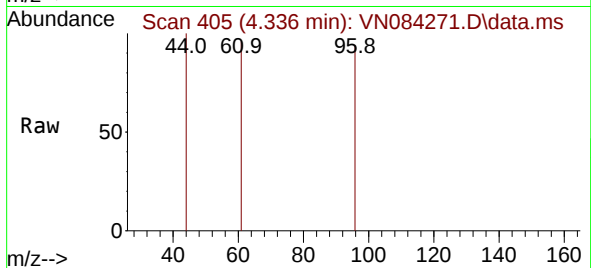
Lab File: VN084271.D

Acq: 02 Oct 2024 17:45

Instrument :

MSVOA_N

ClientSampleId :



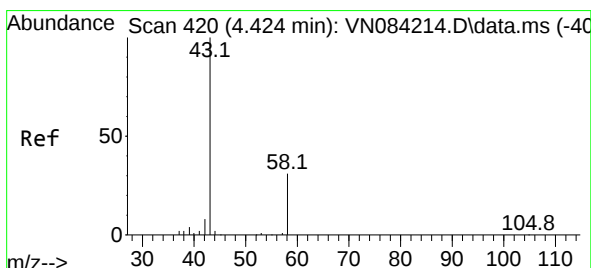
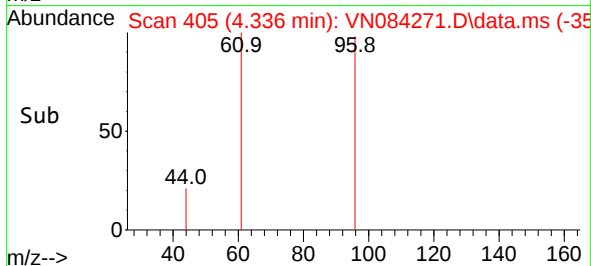
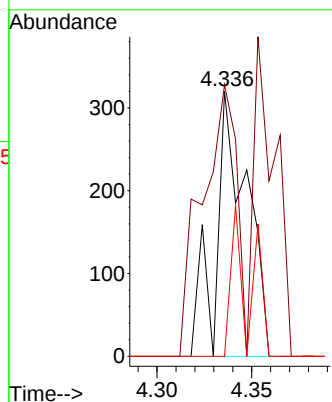
Tgt Ion: 96 Resp: 367

Ion Ratio Lower Upper

96 100

61 102.5 128.6 192.8#

98 0.0 51.7 77.5#



#16

Acetone

Concen: 0.282 ug/l

RT: 4.430 min Scan# 421

Delta R.T. 0.006 min

Lab File: VN084271.D

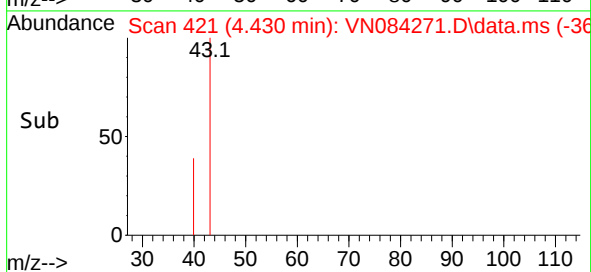
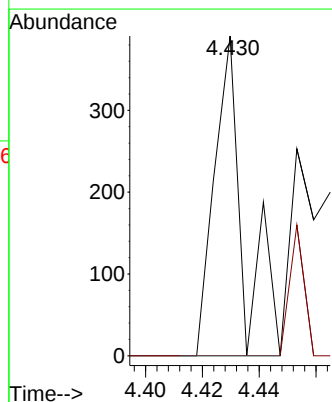
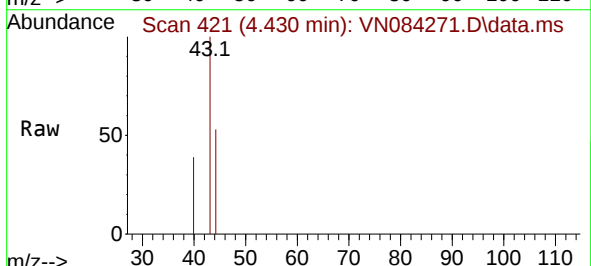
Acq: 02 Oct 2024 17:45

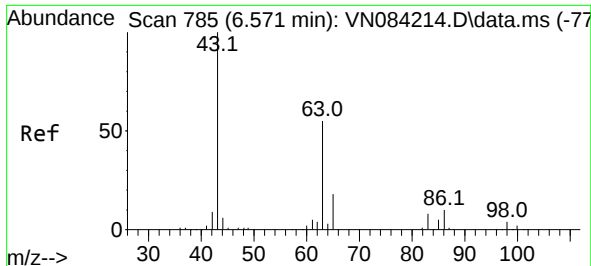
Tgt Ion: 43 Resp: 280

Ion Ratio Lower Upper

43 100

58 0.0 24.4 36.6#

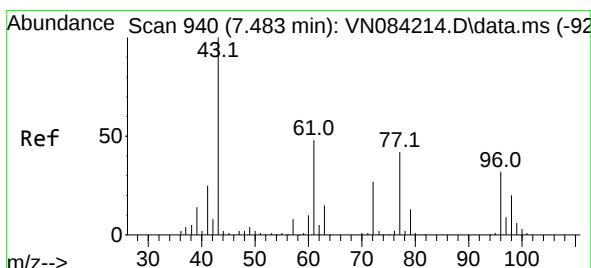
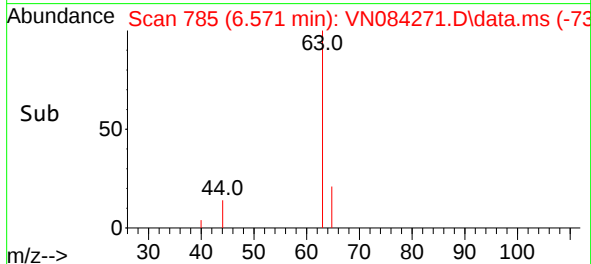
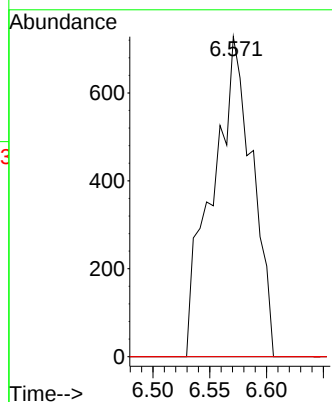
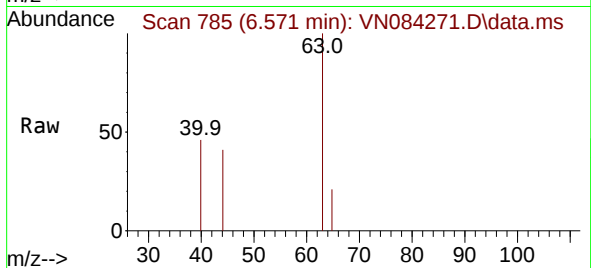




#24
1,1-Dichloroethane
Concen: 0.504 ug/l
RT: 6.571 min Scan# 71
Delta R.T. -0.000 min
Lab File: VN084271.D
Acq: 02 Oct 2024 17:45

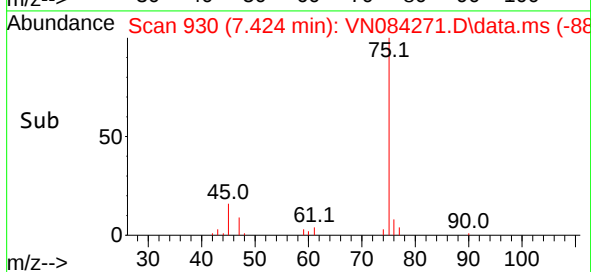
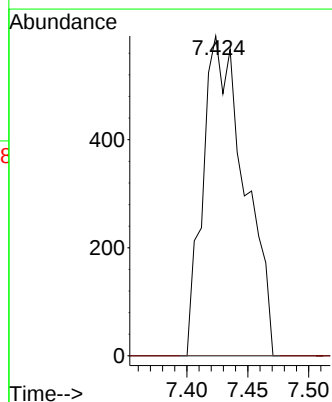
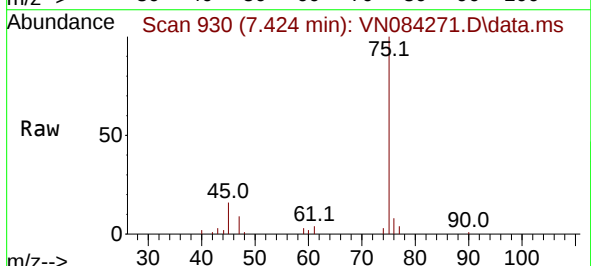
Instrument :
MSVOA_N
ClientSampleId :

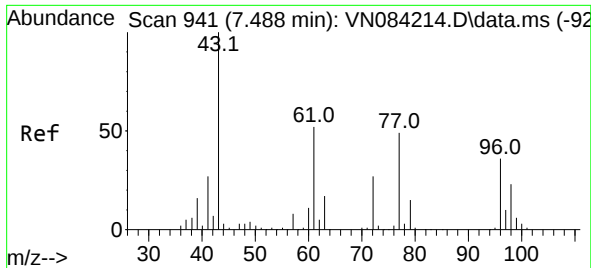
Tgt Ion: 63 Resp: 1776
Ion Ratio Lower Upper
63 100
98 0.0 3.4 10.2#
100 0.0 2.0 5.8#



#25
2-Butanone
Concen: 1.042 ug/l
RT: 7.424 min Scan# 930
Delta R.T. -0.059 min
Lab File: VN084271.D
Acq: 02 Oct 2024 17:45

Tgt Ion: 43 Resp: 1408
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.2#

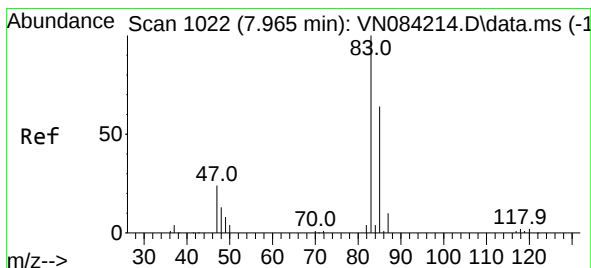
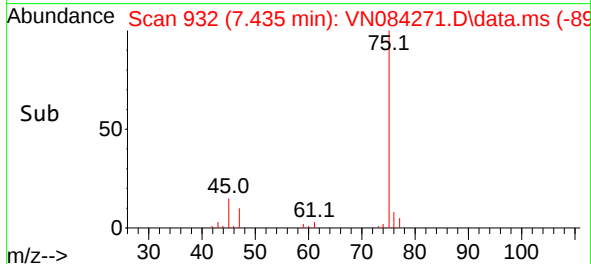
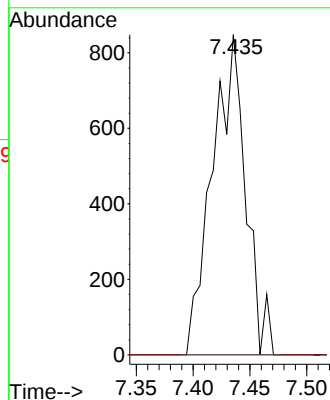
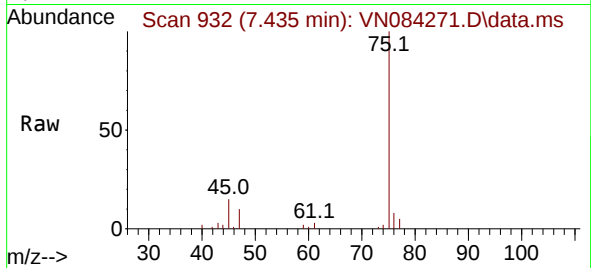




#26
2,2-Dichloropropane
Concen: 0.545 ug/l
RT: 7.435 min Scan# 91
Delta R.T. -0.053 min
Lab File: VN084271.D
Acq: 02 Oct 2024 17:45

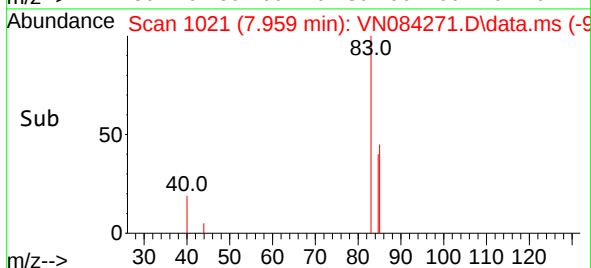
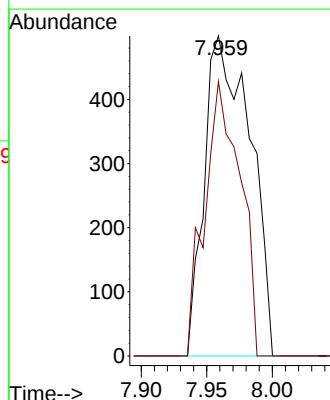
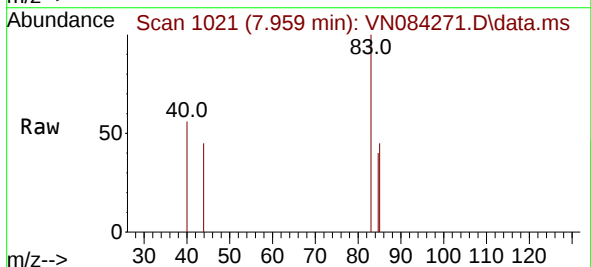
Instrument :
MSVOA_N
ClientSampleId :

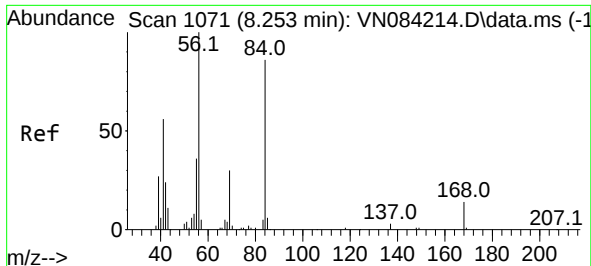
Tgt Ion: 77 Resp: 1730
Ion Ratio Lower Upper
77 100
97 0.0 10.8 32.3#



#30
Chloroform
Concen: 0.331 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VN084271.D
Acq: 02 Oct 2024 17:45

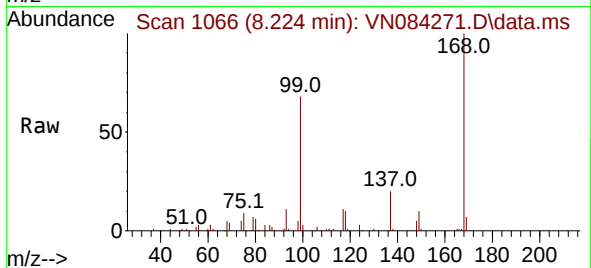
Tgt Ion: 83 Resp: 1210
Ion Ratio Lower Upper
83 100
85 85.8 51.0 76.4#



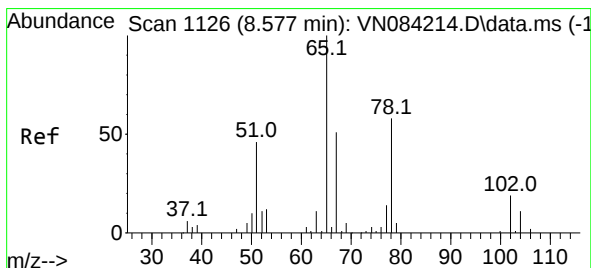
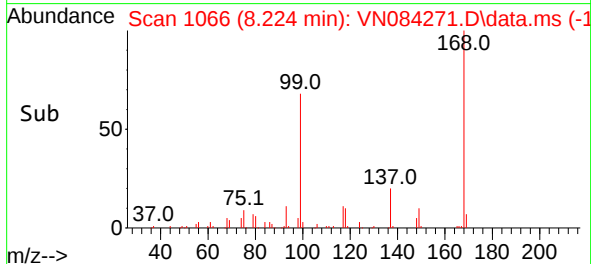
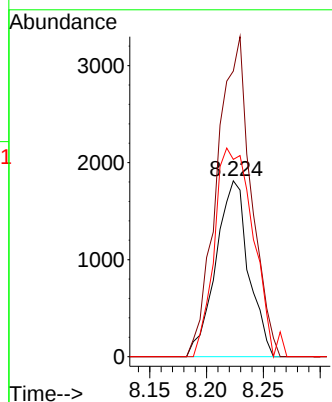


#31
Cyclohexane
Concen: 1.062 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. -0.030 min
Lab File: VN084271.D
Acq: 02 Oct 2024 17:45

Instrument :
MSVOA_N
ClientSampleId :

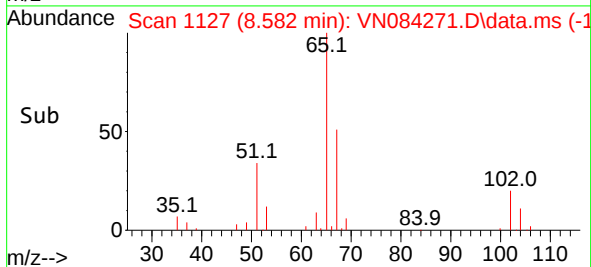
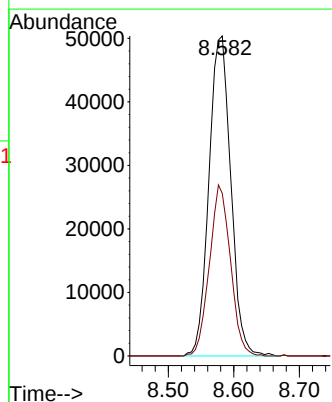
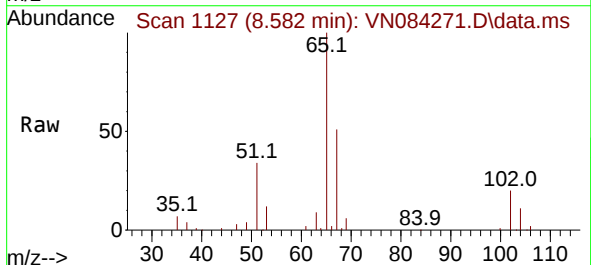


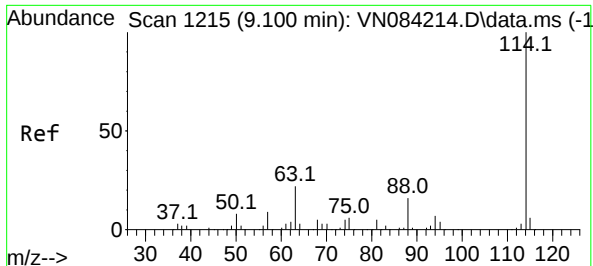
Tgt Ion: 56 Resp: 3634
Ion Ratio Lower Upper
56 100
69 162.3 23.8 35.6#
84 112.2 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 50.518 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN084271.D
Acq: 02 Oct 2024 17:45

Tgt Ion: 65 Resp: 116683
Ion Ratio Lower Upper
65 100
67 51.5 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN084271.D

Acq: 02 Oct 2024 17:45

Instrument :

MSVOA_N

ClientSampleId :

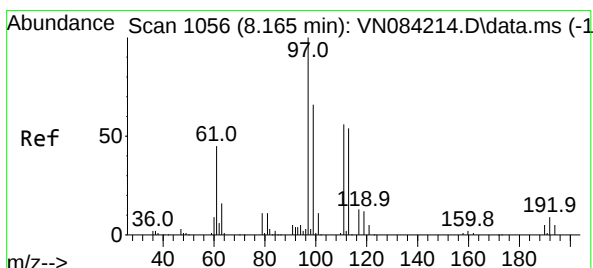
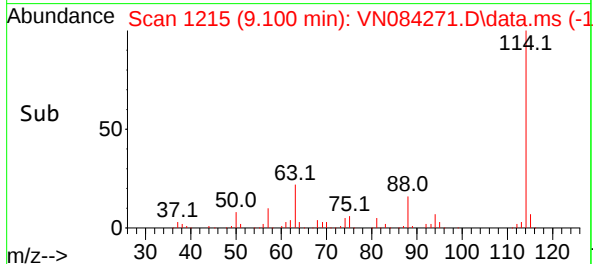
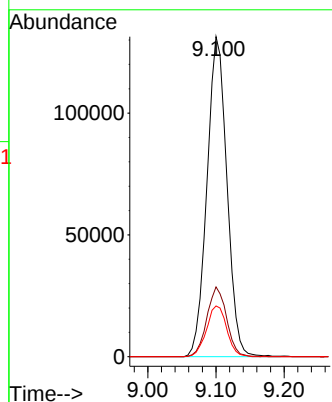
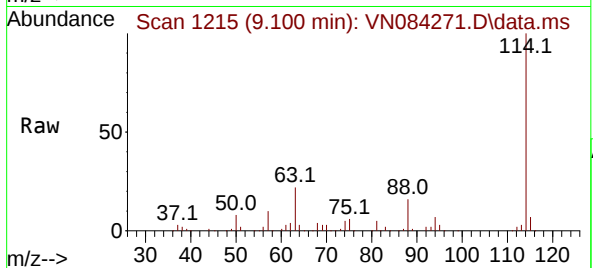
Tgt Ion:114 Resp: 268067

Ion Ratio Lower Upper

114 100

63 21.8 0.0 43.8

88 15.9 0.0 31.6



#35

Dibromofluoromethane

Concen: 51.527 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN084271.D

Acq: 02 Oct 2024 17:45

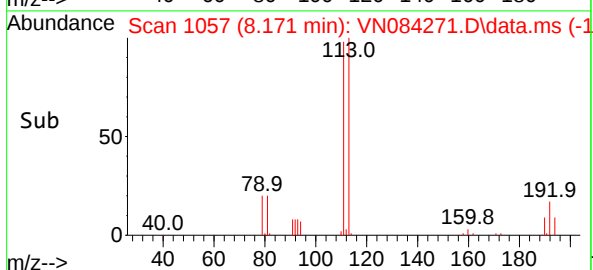
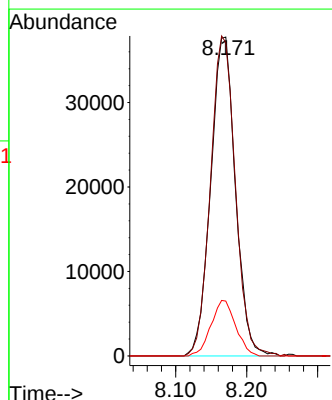
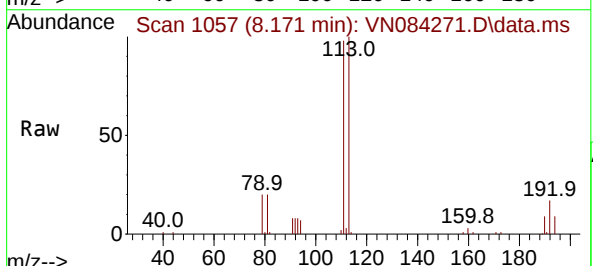
Tgt Ion:113 Resp: 91062

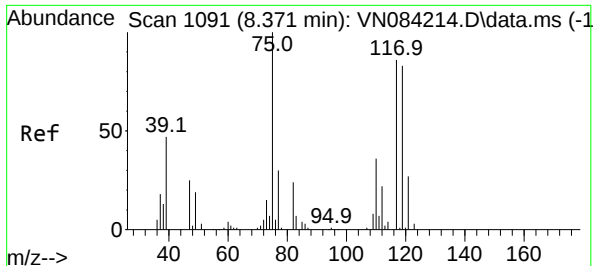
Ion Ratio Lower Upper

113 100

111 100.7 83.3 124.9

192 17.4 13.5 20.3





#36

1,1-Dichloropropene

Concen: 5.505 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

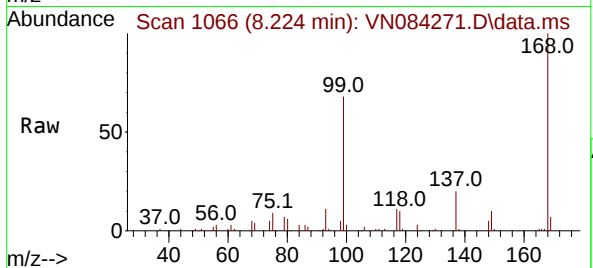
Lab File: VN084271.D

Acq: 02 Oct 2024 17:45

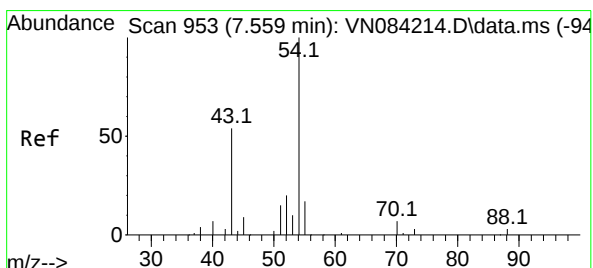
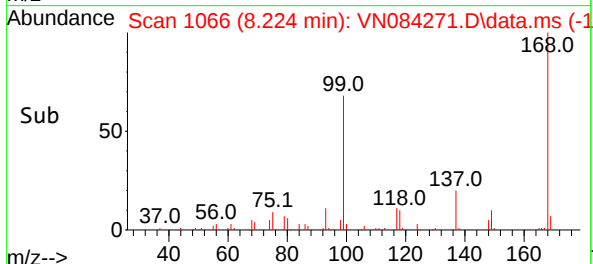
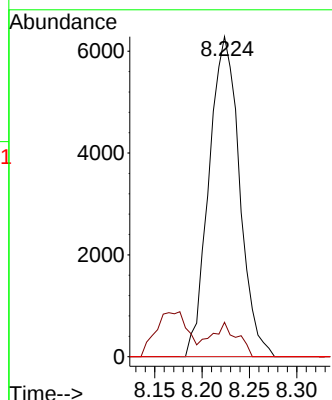
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 75	Resp: 14132
Ion Ratio	Lower Upper
75	100
110	8.5 16.9 50.7#
77	0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 0.535 ug/l

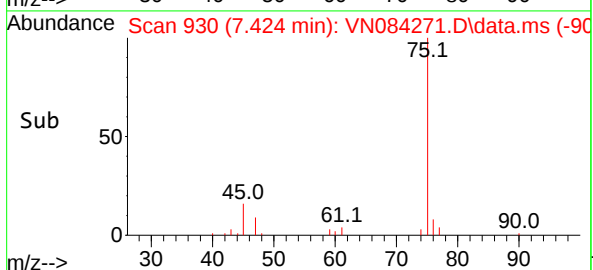
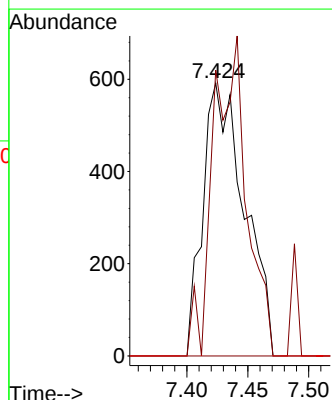
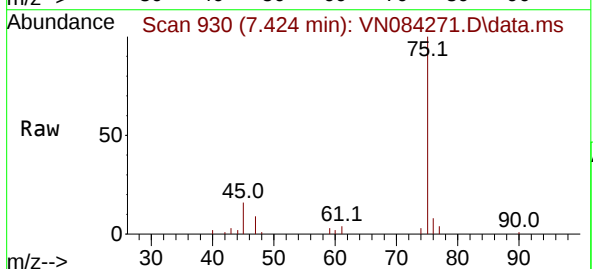
RT: 7.424 min Scan# 930

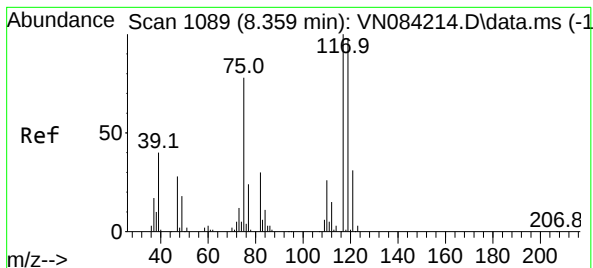
Delta R.T. -0.135 min

Lab File: VN084271.D

Acq: 02 Oct 2024 17:45

Tgt Ion: 43	Resp: 1408
Ion Ratio	Lower Upper
43	100
61	94.0 10.7 16.1#
70	0.0 8.8 13.2#





#38

Carbon Tetrachloride

Concen: 5.985 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

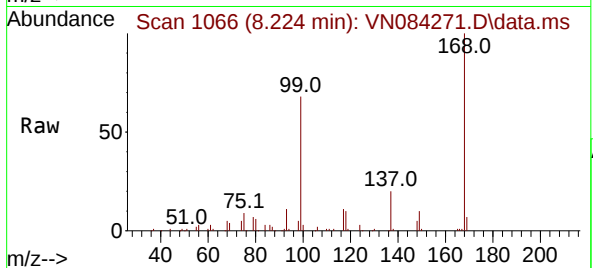
Lab File: VN084271.D

Acq: 02 Oct 2024 17:45

Instrument :

MSVOA_N

ClientSampleId :



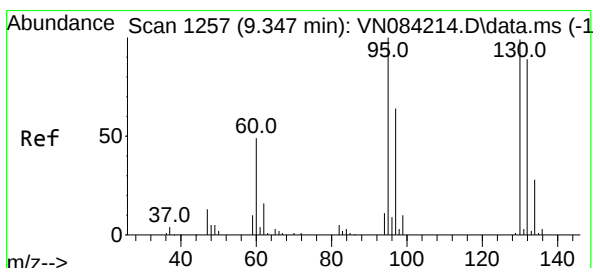
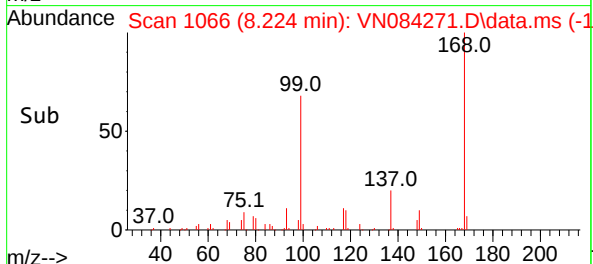
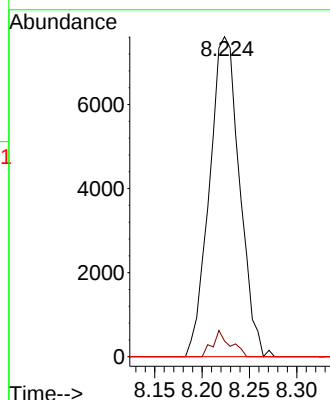
Tgt Ion:117 Resp: 16852

Ion Ratio Lower Upper

117 100

119 4.9 78.7 118.1#

121 0.0 24.4 36.6#



#44

Trichloroethene

Concen: 10.075 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. 0.006 min

Lab File: VN084271.D

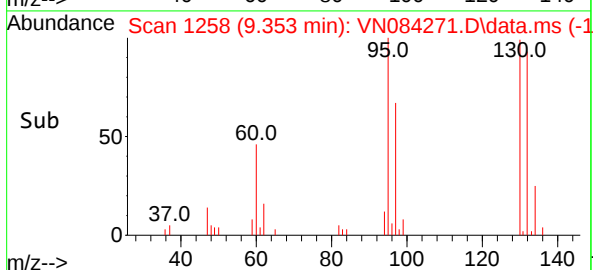
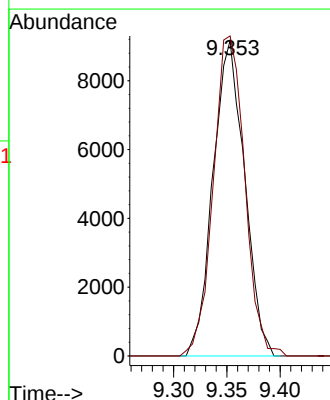
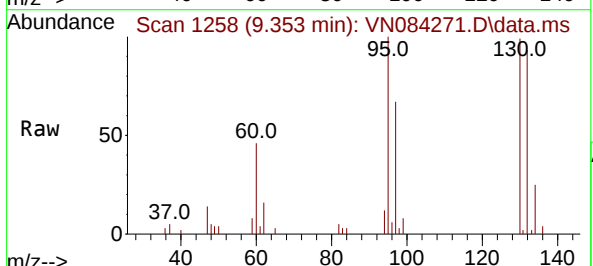
Acq: 02 Oct 2024 17:45

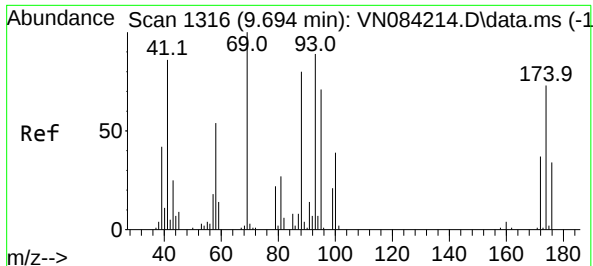
Tgt Ion:130 Resp: 18821

Ion Ratio Lower Upper

130 100

95 101.4 0.0 203.0





#49

1,4-Dioxane

Concen: 1.428 ug/l

RT: 9.700 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN084271.D

Acq: 02 Oct 2024 17:45

Instrument :

MSVOA_N

ClientSampleId :

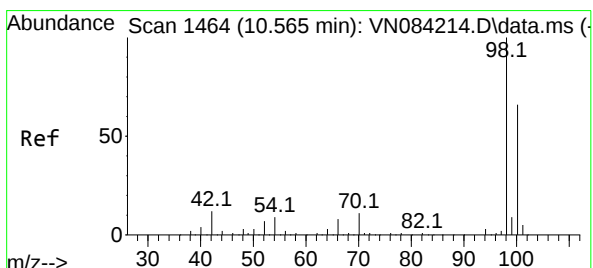
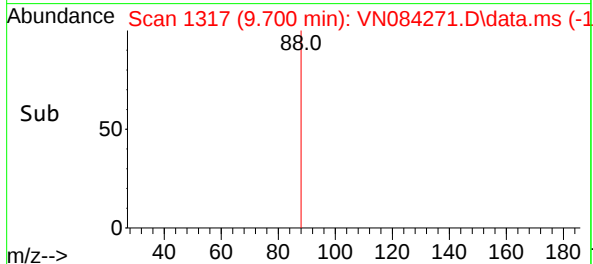
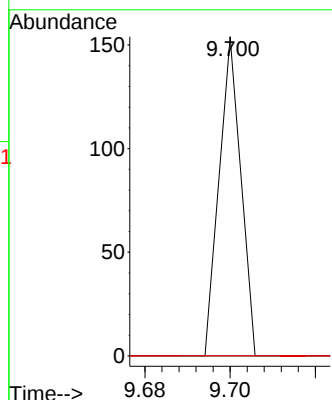
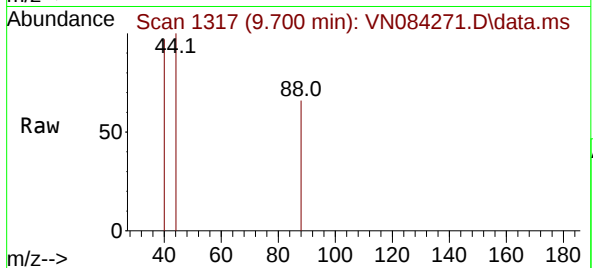
Tgt Ion: 88 Resp: 54

Ion Ratio Lower Upper

88 100

43 0.0 25.3 37.9#

58 0.0 56.4 84.6#



#50

Toluene-d8

Concen: 50.073 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084271.D

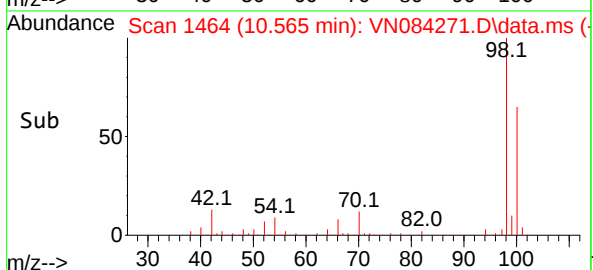
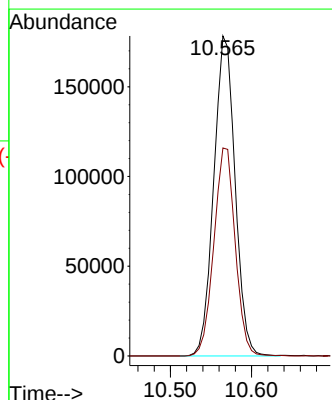
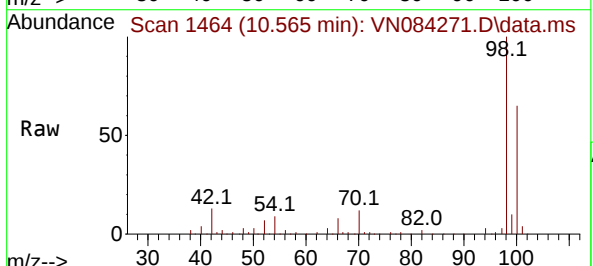
Acq: 02 Oct 2024 17:45

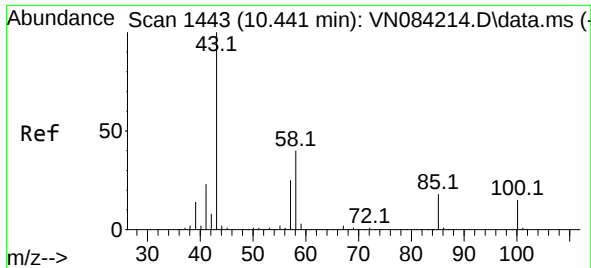
Tgt Ion: 98 Resp: 325573

Ion Ratio Lower Upper

98 100

100 65.1 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 0.617 ug/l

RT: 10.565 min Scan# 14

Delta R.T. 0.123 min

Lab File: VN084271.D

Acq: 02 Oct 2024 17:45

Instrument :

MSVOA_N

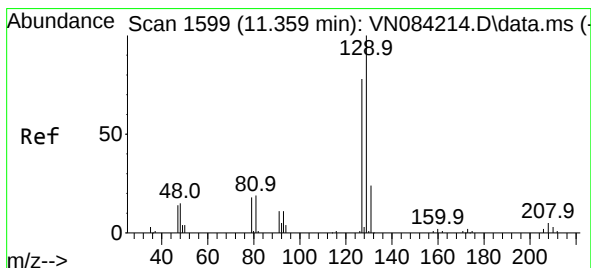
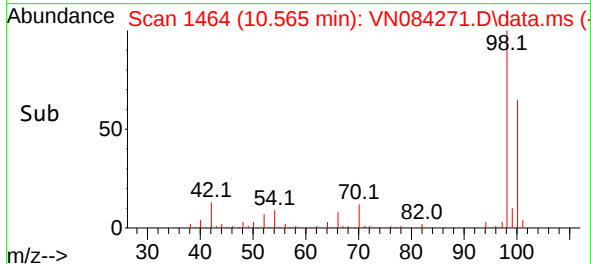
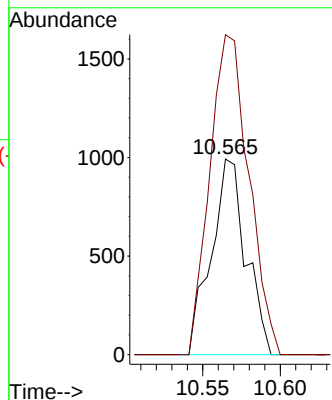
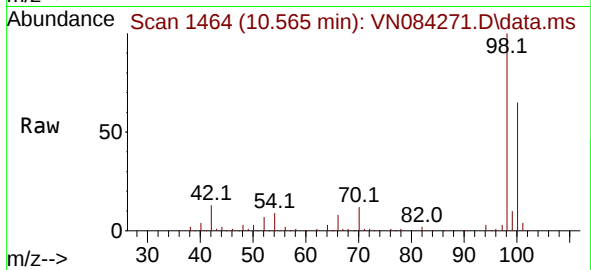
ClientSampleId :

Tgt Ion: 43 Resp: 1548

Ion Ratio Lower Upper

43 100

58 184.0 31.6 47.4#



#60

Dibromochloromethane

Concen: 0.341 ug/l

RT: 11.100 min Scan# 1555

Delta R.T. -0.259 min

Lab File: VN084271.D

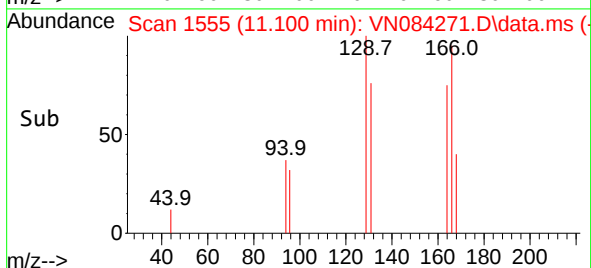
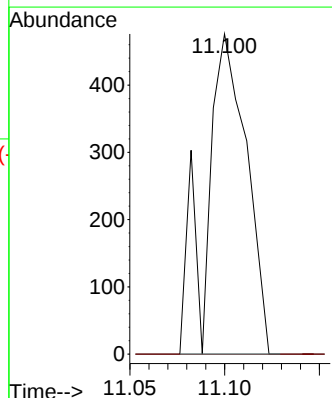
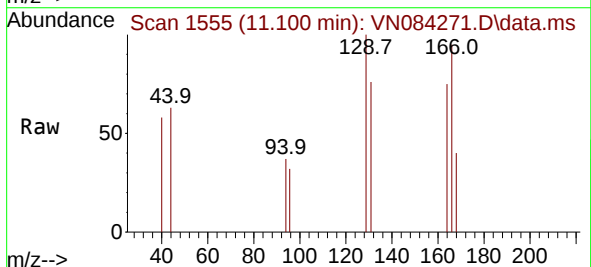
Acq: 02 Oct 2024 17:45

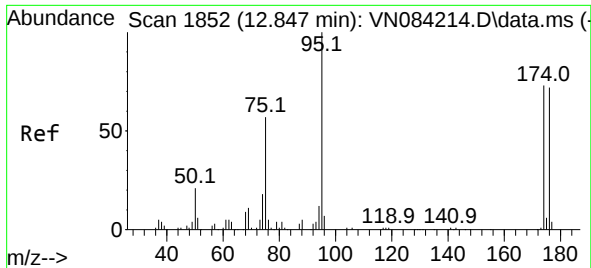
Tgt Ion: 129 Resp: 705

Ion Ratio Lower Upper

129 100

127 0.0 38.3 114.9#

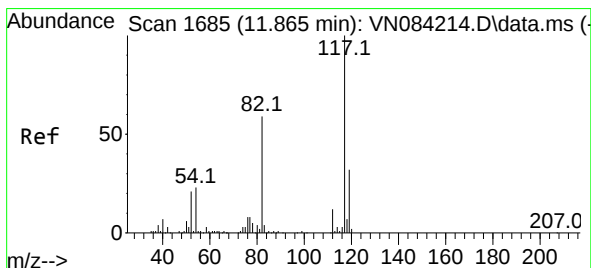
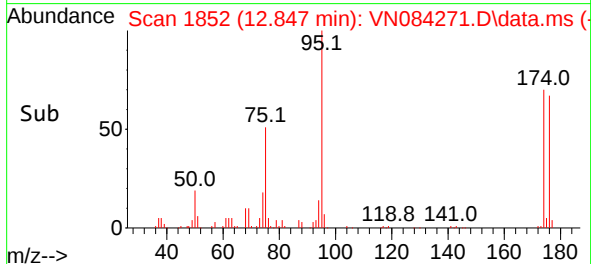
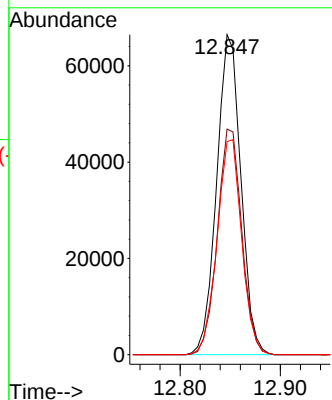
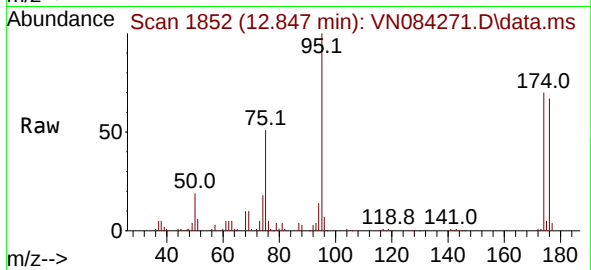




#62
4-Bromofluorobenzene
Concen: 47.135 ug/l
RT: 12.847 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084271.D
Acq: 02 Oct 2024 17:45

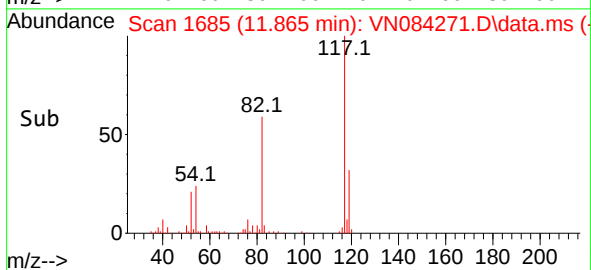
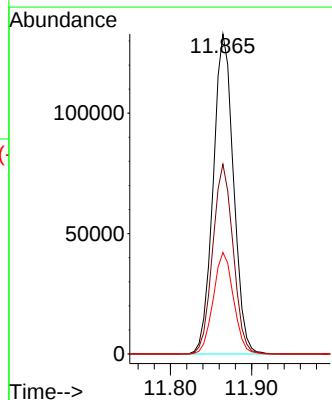
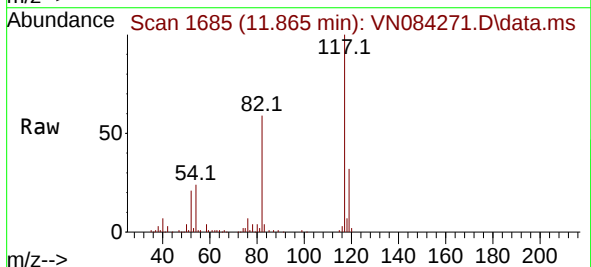
Instrument :
MSVOA_N
ClientSampleId :

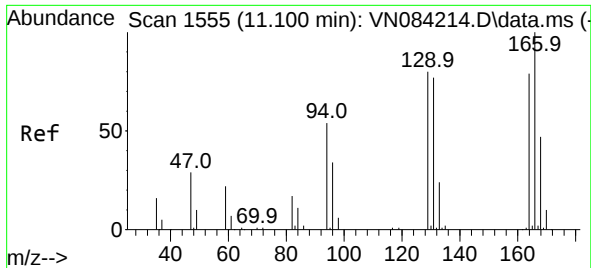
Tgt Ion: 95 Resp: 111650
Ion Ratio Lower Upper
95 100
174 70.9 0.0 145.2
176 68.1 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084271.D
Acq: 02 Oct 2024 17:45

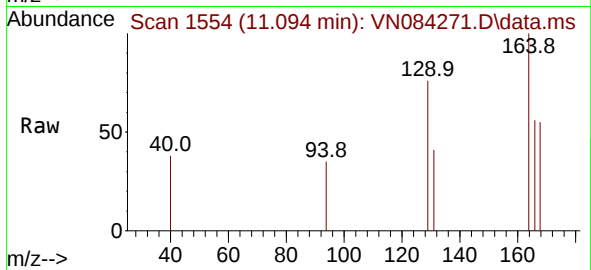
Tgt Ion: 117 Resp: 231021
Ion Ratio Lower Upper
117 100
82 59.3 47.2 70.8
119 31.7 25.4 38.0



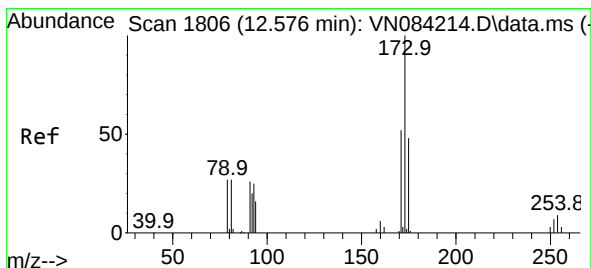
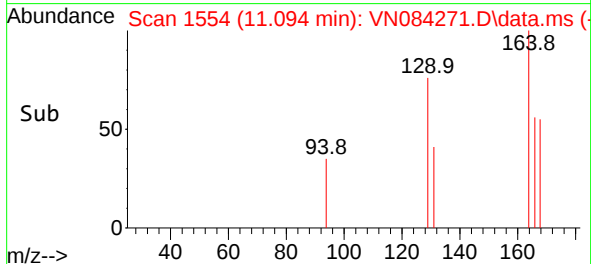
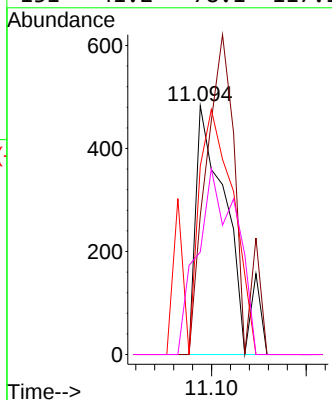


#64
Tetrachloroethene
Concen: 0.345 ug/l
RT: 11.094 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084271.D
Acq: 02 Oct 2024 17:45

Instrument :
MSVOA_N
ClientSampleId :

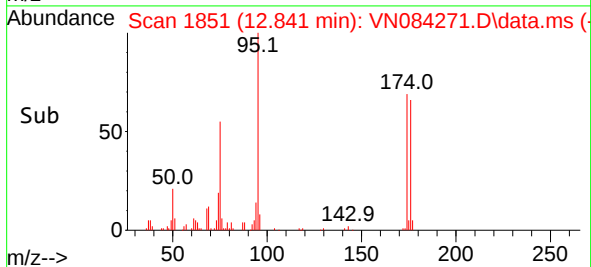
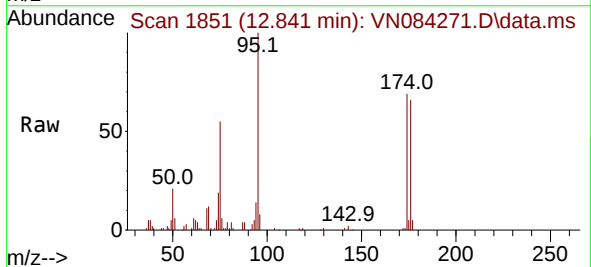
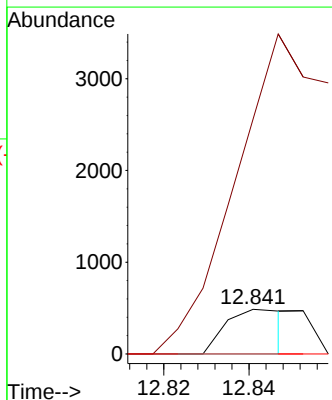


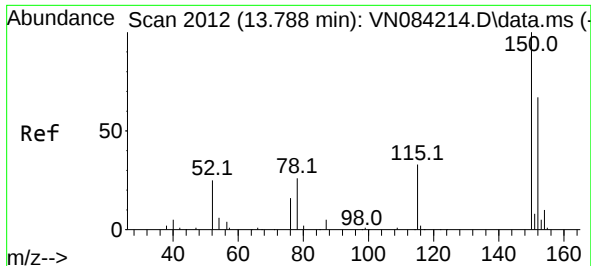
Tgt Ion:164 Resp: 555
Ion Ratio Lower Upper
164 100
166 55.9 101.0 151.4#
129 75.8 80.8 121.2#
131 41.2 78.1 117.1#



#71
Bromoform
Concen: 0.360 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN084271.D
Acq: 02 Oct 2024 17:45

Tgt Ion:173 Resp: 468
Ion Ratio Lower Upper
173 100
175 881.0 23.5 70.6#
254 0.0 0.0 0.0

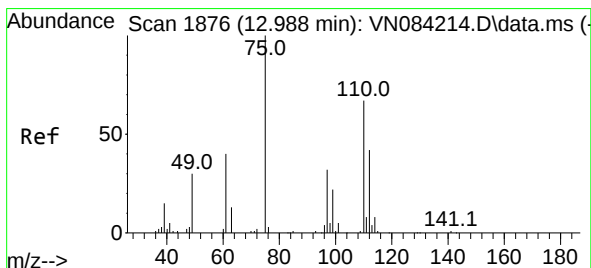
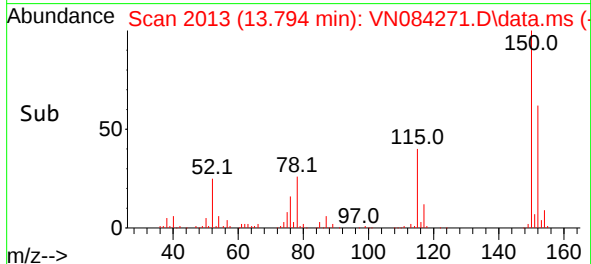
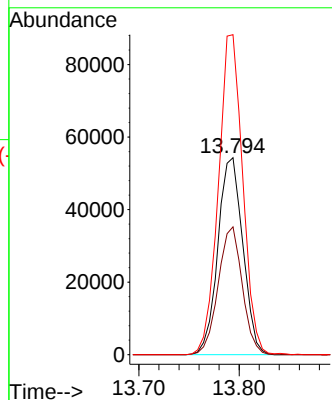
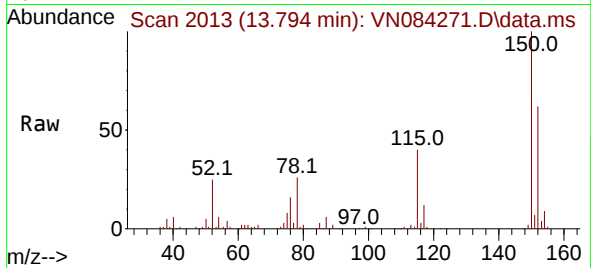




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN084271.D
Acq: 02 Oct 2024 17:45

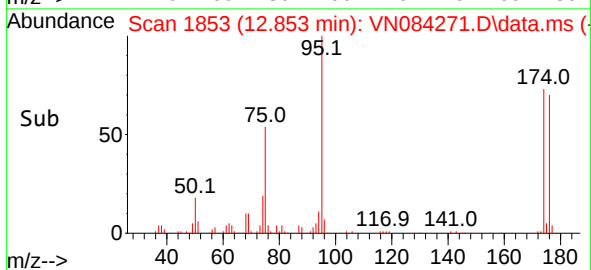
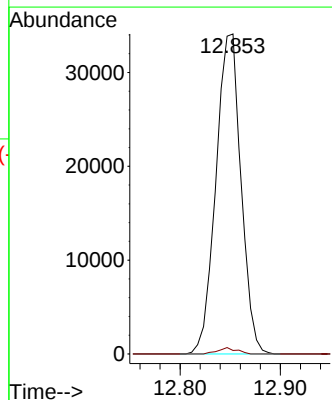
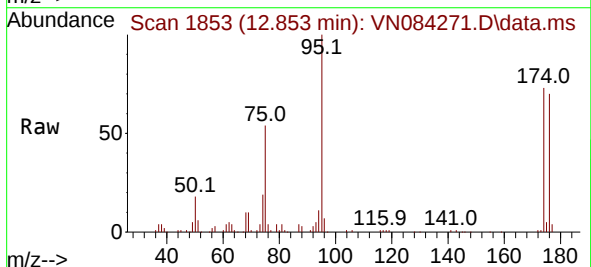
Instrument :
MSVOA_N
ClientSampleId :

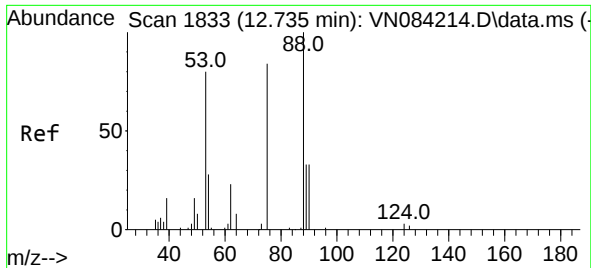
Tgt Ion:152 Resp: 93723
Ion Ratio Lower Upper
152 100
115 62.7 31.3 93.9
150 158.7 0.0 349.8



#76
1,2,3-Trichloropropane
Concen: 30.960 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.135 min
Lab File: VN084271.D
Acq: 02 Oct 2024 17:45

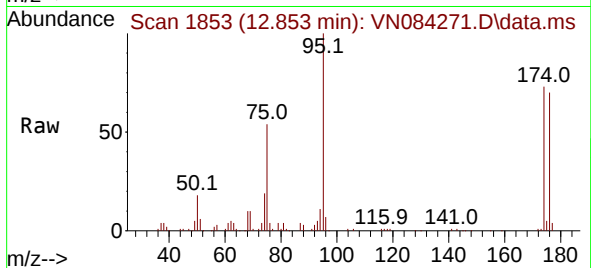
Tgt Ion: 75 Resp: 59238
Ion Ratio Lower Upper
75 100
77 1.5 96.9 290.7#





#81
trans-1,4-Dichloro-2-butene
Concen: 74.225 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN084271.D
Acq: 02 Oct 2024 17:45

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 59238
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#

