

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111524\
 Data File : VN084873.D
 Acq On : 15 Nov 2024 16:48
 Operator : JC\MD
 Sample : P4867-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 15 22:26:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 01 02:38:04 2024
 Response via : Initial Calibration

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

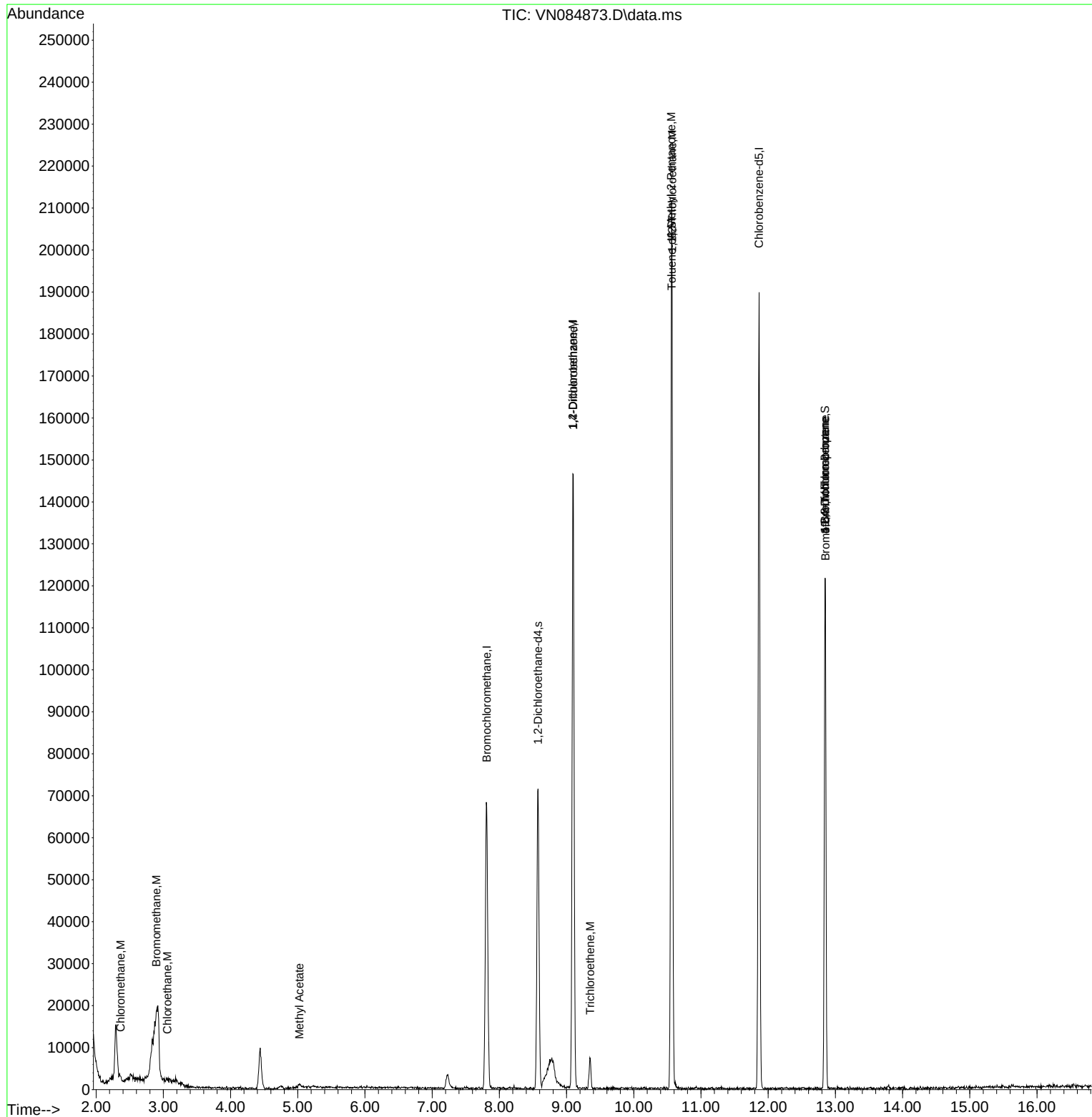
Internal Standards						
1) Bromochloromethane	7.812	128	25557	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	125147	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	108897	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	60280	29.339	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	97.800%		
60) 4-Bromofluorobenzene	12.847	95	43609	23.258	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	77.533%		
63) Toluene-d8	10.565	98	146534	28.424	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	94.733%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	493	0.275	ug/l #	59
5) Bromomethane	2.895	94	246	0.292	ug/l #	4
6) Chloroethane	3.059	64	615	0.564	ug/l #	47
12) Methyl Acetate	5.024	43	629	0.271	ug/l #	32
36) 1,2-Dichloroethane	9.094	62	4646	2.242	ug/l #	74
37) Trichloroethene	9.353	130	2902	2.065	ug/l	95
50) 1,1,2-Trichloroethane	10.571	97	5070	3.602	ug/l #	1
56) Bromoform	12.853	173	464	0.420	ug/l #	1
58) 4-Methyl-2-Pentanone	10.559	43	614	0.357	ug/l #	15
72) 1,2,3-Trichloropropane	12.847	75	22739	13.739	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.847	75	22739	33.499	ug/l #	7

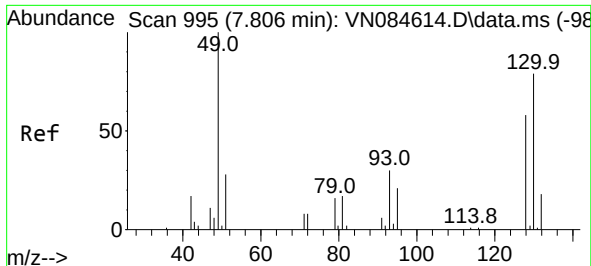
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
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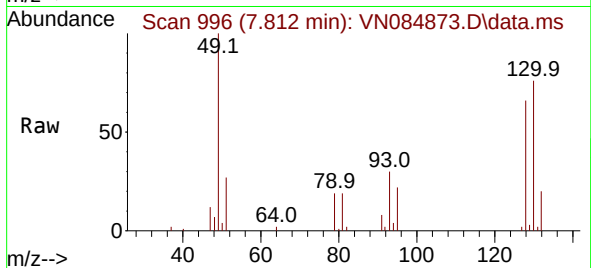
Quant Time: Nov 15 22:26:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 01 02:38:04 2024
Response via : Initial Calibration



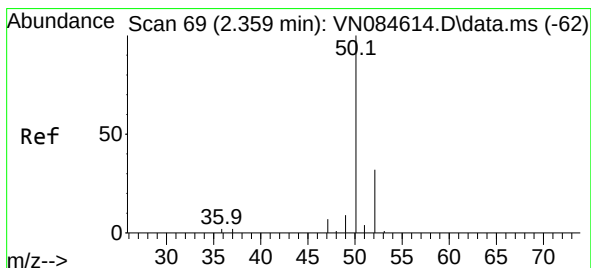
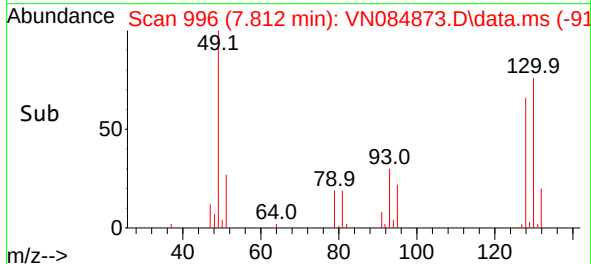
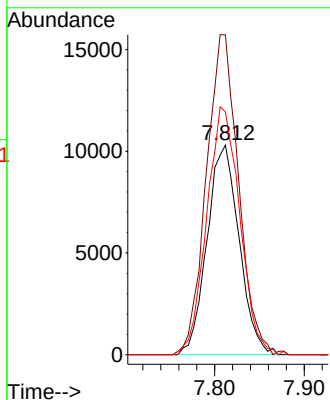


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN084873.D
Acq: 15 Nov 2024 16:48

Instrument :
MSVOA_N
ClientSampleId :

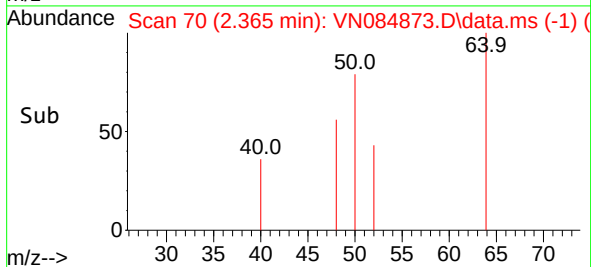
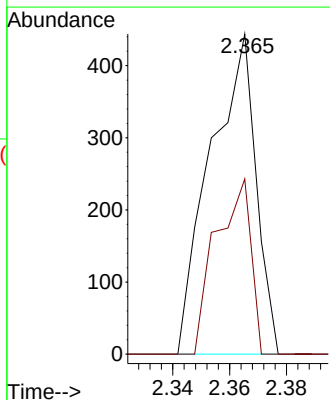
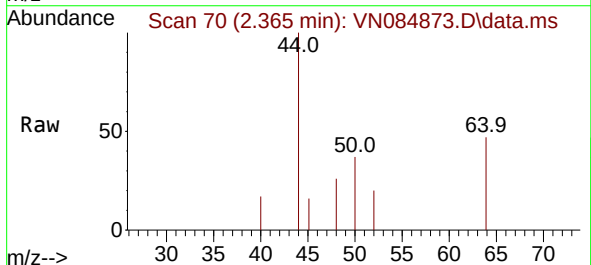


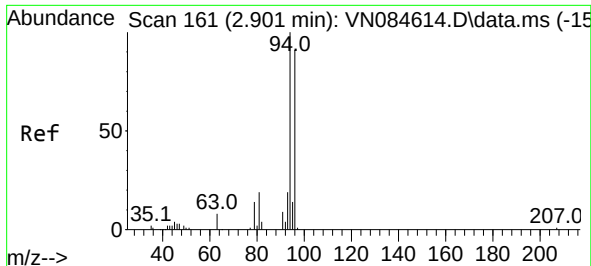
Tgt Ion:	128	Resp:	25557
Ion	Ratio	Lower	Upper
128	100		
49	152.9	0.0	427.0
130	122.0	0.0	322.2



#3
Chloromethane
Concen: 0.275 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084873.D
Acq: 15 Nov 2024 16:48

Tgt Ion:	50	Resp:	493
Ion	Ratio	Lower	Upper
50	100		
52	54.7	25.5	38.3#

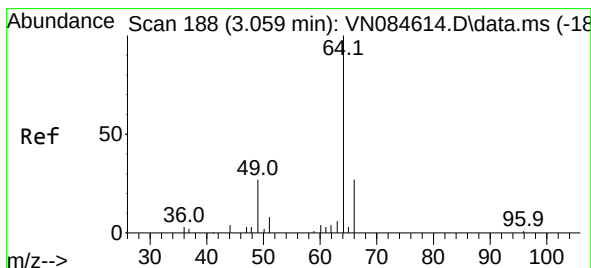
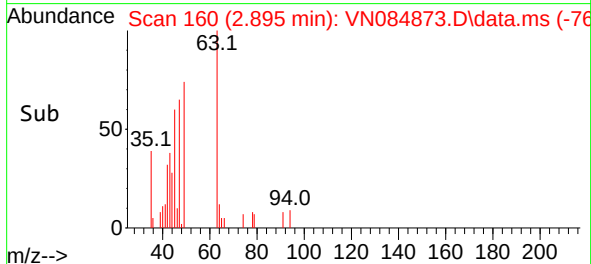
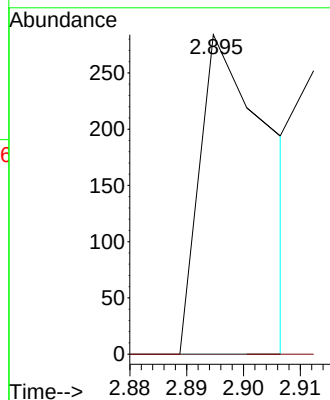
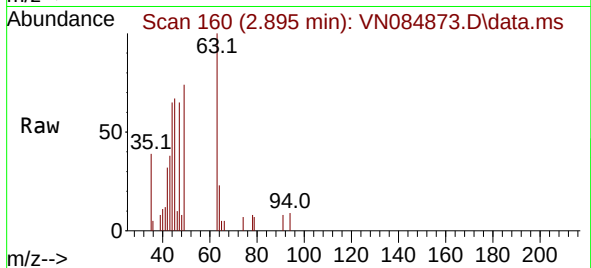




#5
Bromomethane
Concen: 0.292 ug/l
RT: 2.895 min Scan# 161
Delta R.T. -0.006 min
Lab File: VN084873.D
Acq: 15 Nov 2024 16:48

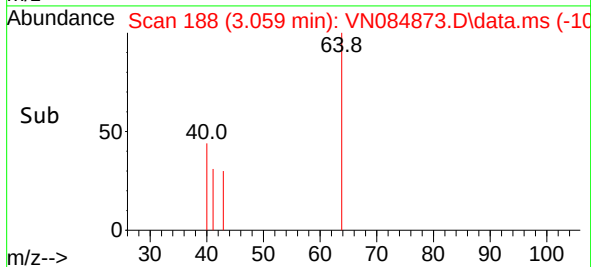
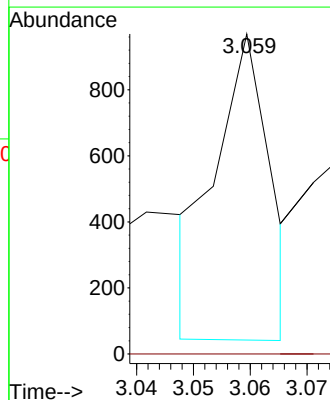
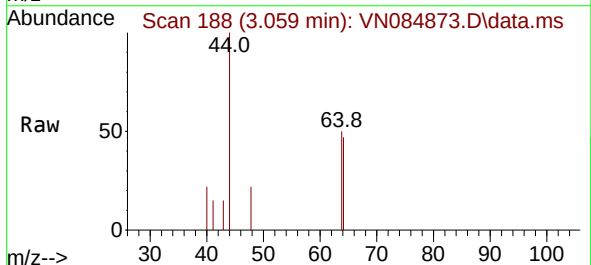
Instrument :
MSVOA_N
ClientSampleId :

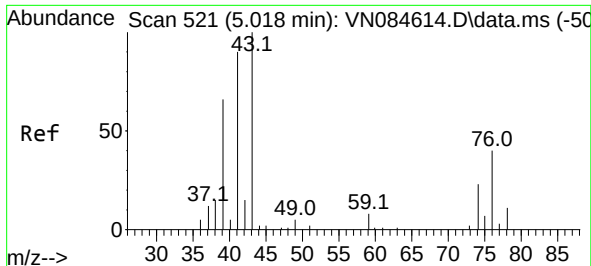
Tgt Ion: 94 Resp: 246
Ion Ratio Lower Upper
94 100
96 0.0 72.7 109.1#



#6
Chloroethane
Concen: 0.564 ug/l
RT: 3.059 min Scan# 188
Delta R.T. -0.000 min
Lab File: VN084873.D
Acq: 15 Nov 2024 16:48

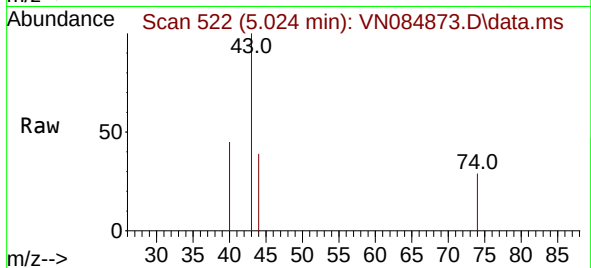
Tgt Ion: 64 Resp: 615
Ion Ratio Lower Upper
64 100
66 0.0 22.1 33.1#



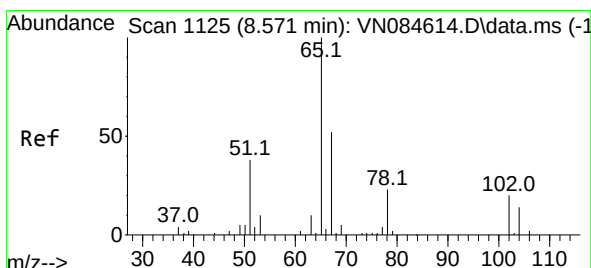
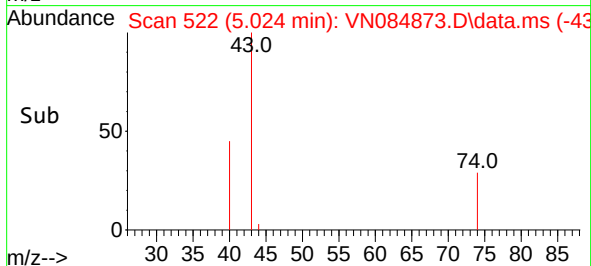
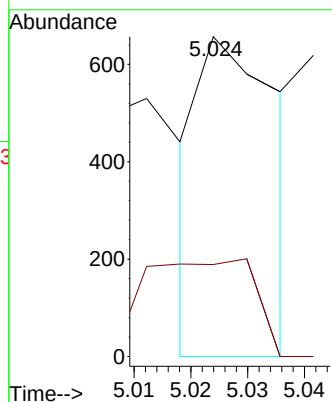


#12
Methyl Acetate
Concen: 0.271 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN084873.D
Acq: 15 Nov 2024 16:48

Instrument :
MSVOA_N
ClientSampleId :

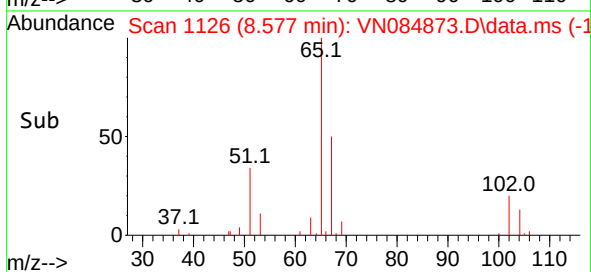
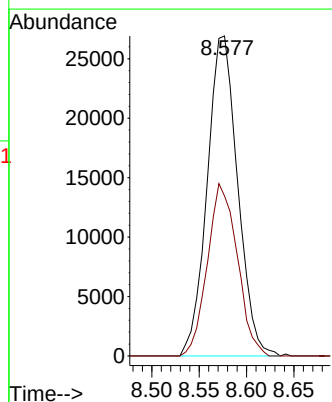
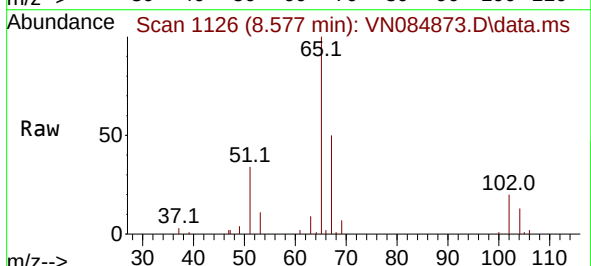


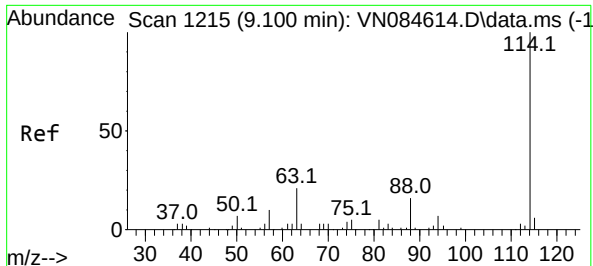
Tgt Ion: 43 Resp: 629
Ion Ratio Lower Upper
43 100
74 57.1 19.0 28.4#



#27
1,2-Dichloroethane-d4
Concen: 29.339 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN084873.D
Acq: 15 Nov 2024 16:48

Tgt Ion: 65 Resp: 60280
Ion Ratio Lower Upper
65 100
67 52.7 40.7 61.1

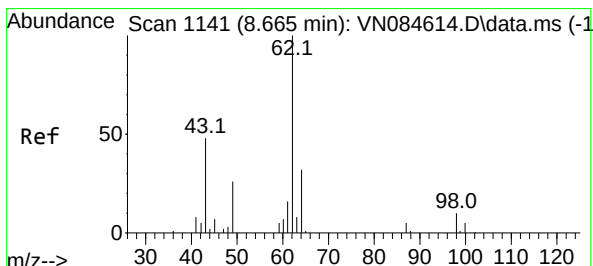
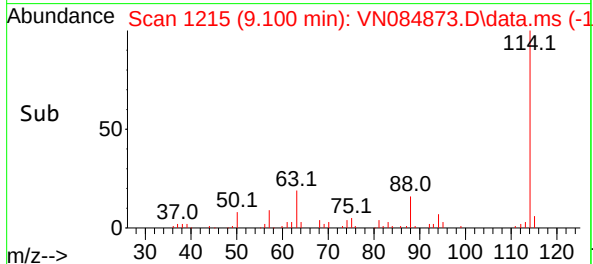
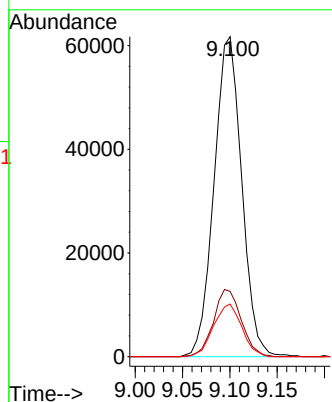
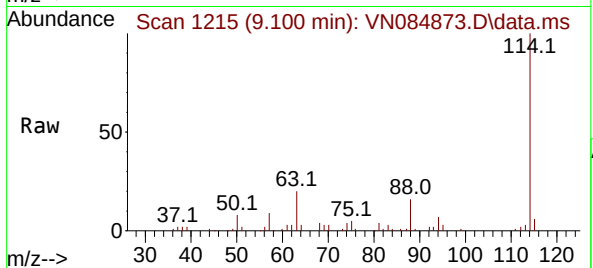




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084873.D
Acq: 15 Nov 2024 16:48

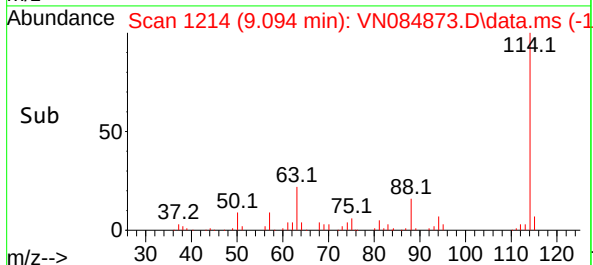
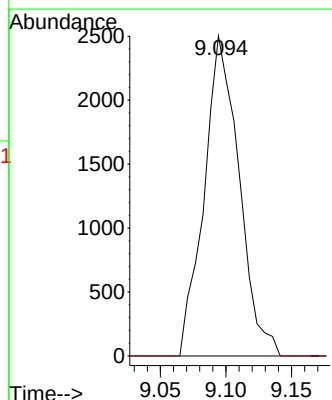
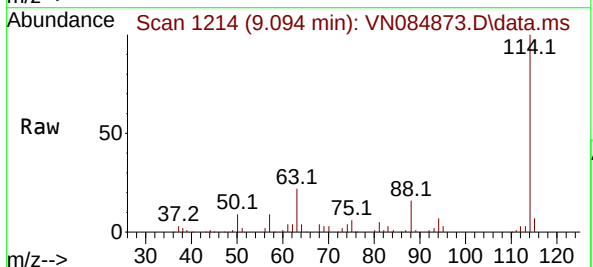
Instrument :
MSVOA_N
ClientSampleId :

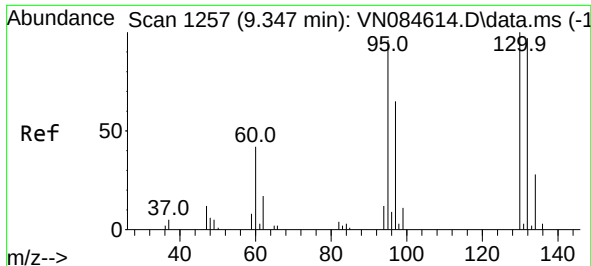
Tgt Ion:114 Resp: 125147
Ion Ratio Lower Upper
114 100
63 21.1 16.8 25.2
88 16.8 12.9 19.3



#36
1,2-Dichloroethane
Concen: 2.242 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. 0.429 min
Lab File: VN084873.D
Acq: 15 Nov 2024 16:48

Tgt Ion: 62 Resp: 4646
Ion Ratio Lower Upper
62 100
98 0.0 7.8 11.6#





#37

Trichloroethene

Concen: 2.065 ug/l

RT: 9.353 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN084873.D

Acq: 15 Nov 2024 16:48

Instrument :

MSVOA_N

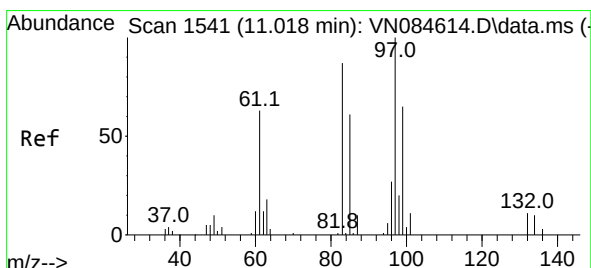
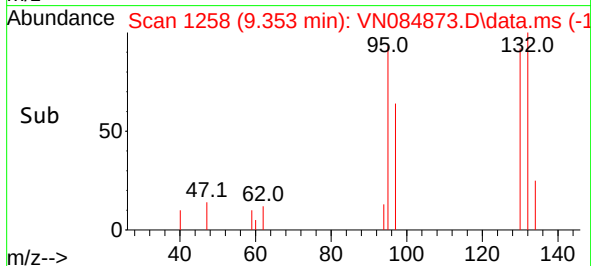
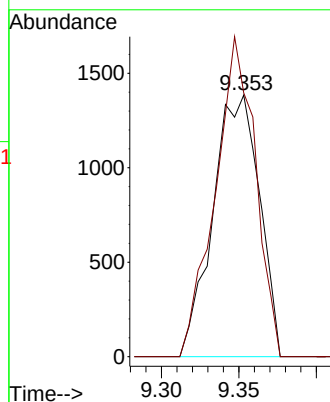
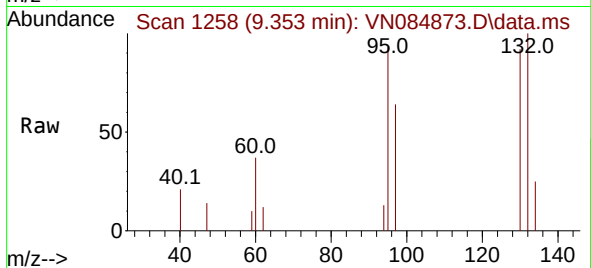
ClientSampleId :

Tgt Ion:130 Resp: 2902

Ion Ratio Lower Upper

130 100

95 100.9 76.6 115.0



#50

1,1,2-Trichloroethane

Concen: 3.602 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.447 min

Lab File: VN084873.D

Acq: 15 Nov 2024 16:48

Tgt Ion: 97 Resp: 5070

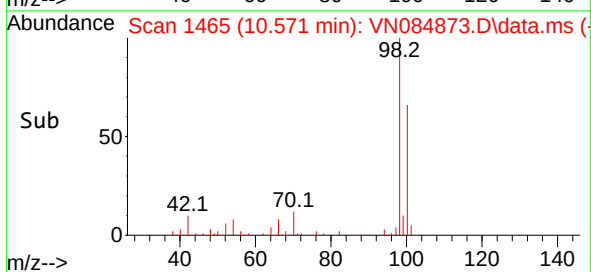
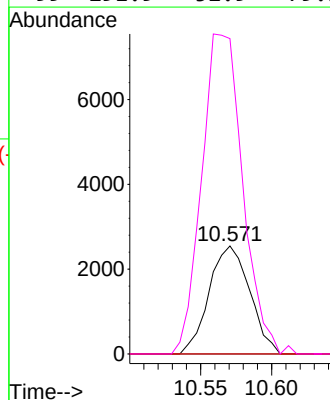
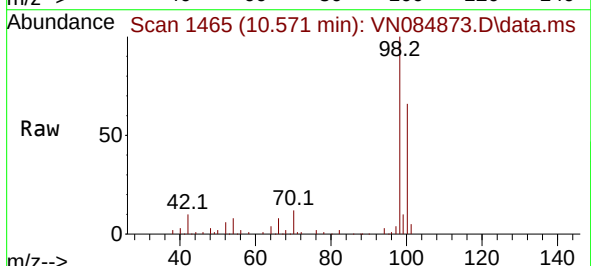
Ion Ratio Lower Upper

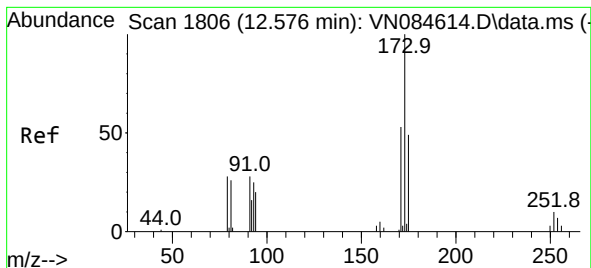
97 100

83 0.0 69.8 104.8#

85 0.0 48.6 73.0#

99 291.9 52.9 79.3#





#56

Bromoform

Concen: 0.420 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.276 min

Lab File: VN084873.D

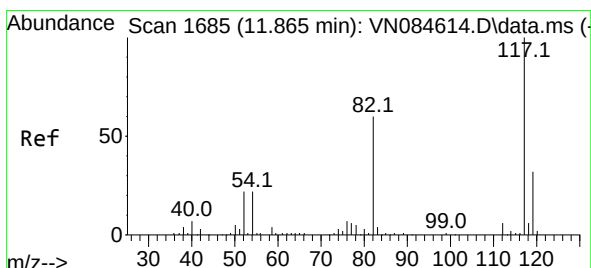
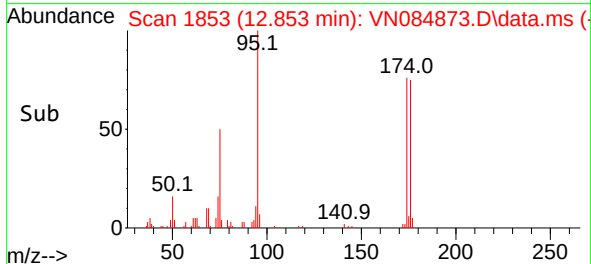
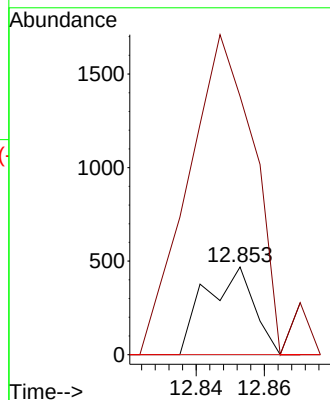
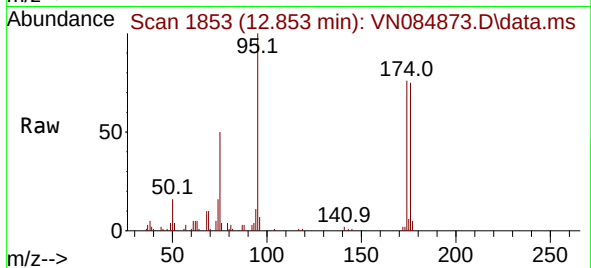
Acq: 15 Nov 2024 16:48

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	173	Resp:	464
Ion Ratio	Lower	Upper	
173	100		
175	490.1	39.4	59.2#
254	0.0	6.4	9.6#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

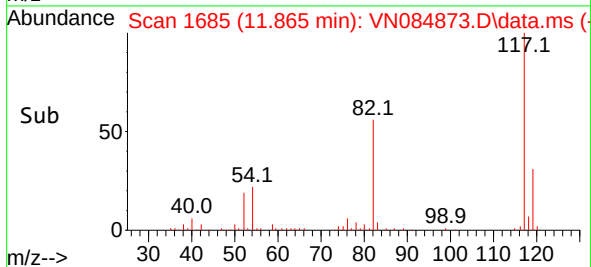
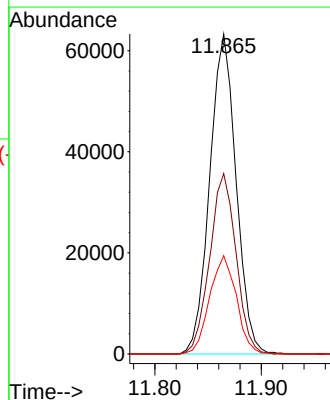
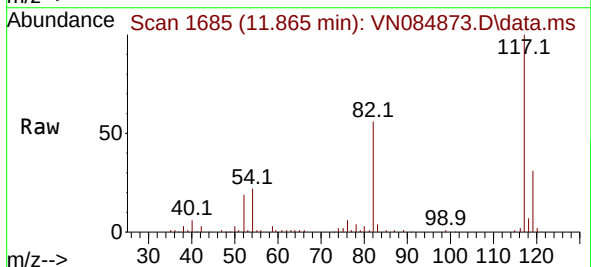
RT: 11.865 min Scan# 1685

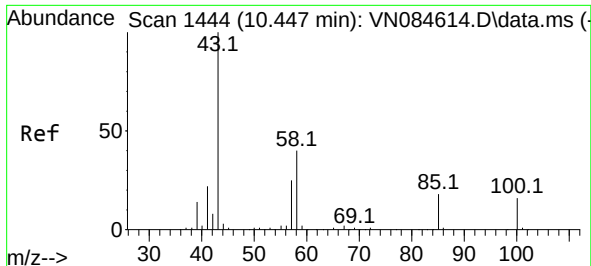
Delta R.T. -0.000 min

Lab File: VN084873.D

Acq: 15 Nov 2024 16:48

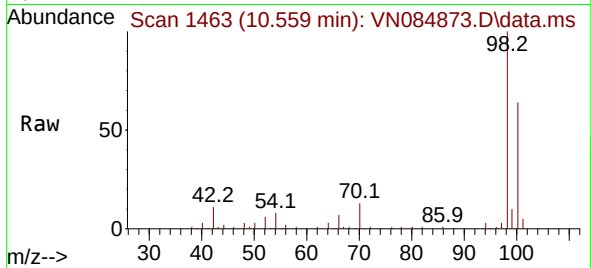
Tgt Ion:	117	Resp:	108897
Ion Ratio	Lower	Upper	
117	100		
82	56.2	45.5	68.3
119	31.1	25.3	37.9



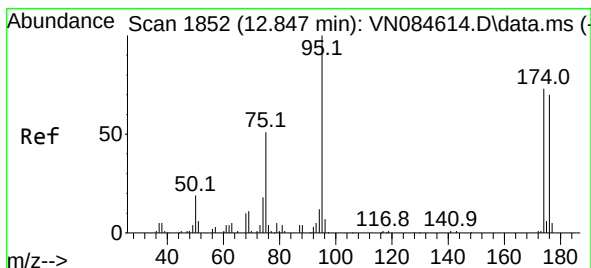
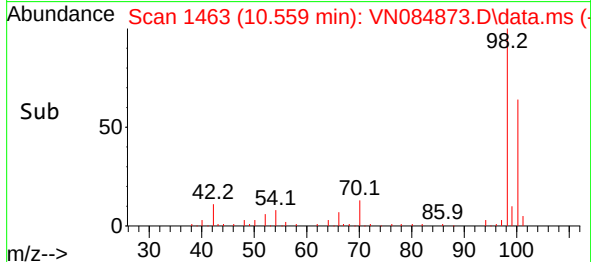
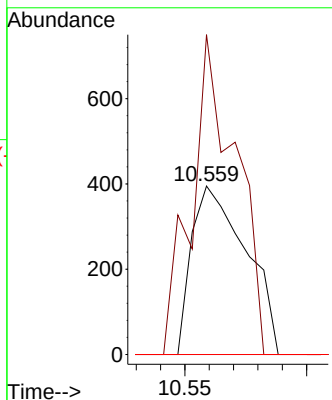


#58
4-Methyl-2-Pentanone
Concen: 0.357 ug/l
RT: 10.559 min Scan# 1444
Delta R.T. 0.112 min
Lab File: VN084873.D
Acq: 15 Nov 2024 16:48

Instrument :
MSVOA_N
ClientSampleId :

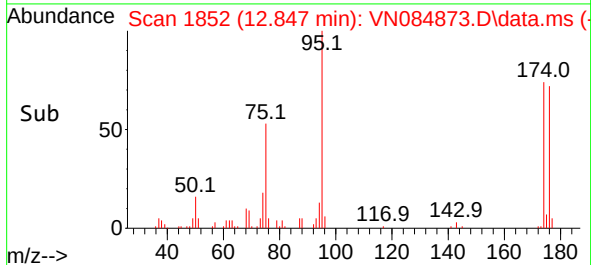
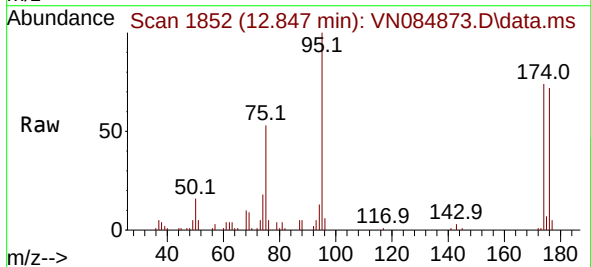
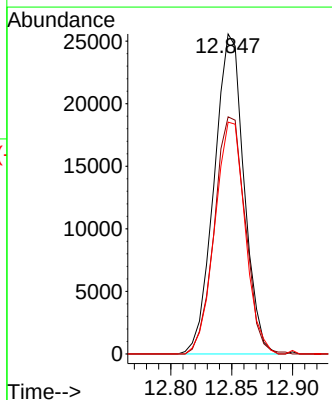


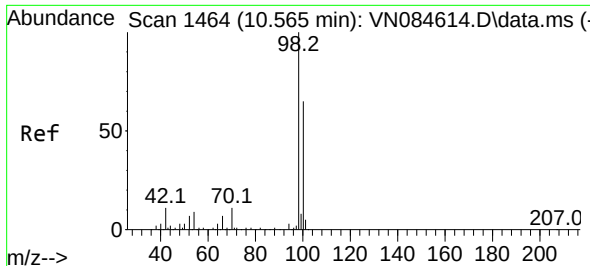
Tgt Ion: 43 Resp: 614
Ion Ratio Lower Upper
43 100
58 103.3 31.2 46.8#
85 0.0 14.9 22.3#



#60
4-Bromofluorobenzene
Concen: 23.258 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084873.D
Acq: 15 Nov 2024 16:48

Tgt Ion: 95 Resp: 43609
Ion Ratio Lower Upper
95 100
174 76.5 59.6 89.4
176 73.7 58.6 88.0

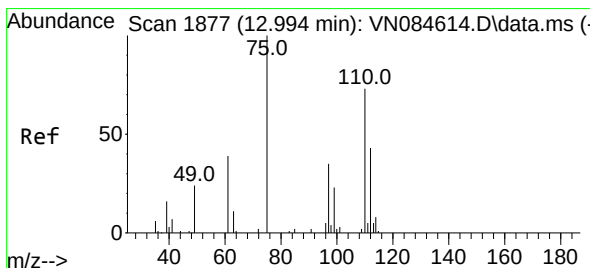
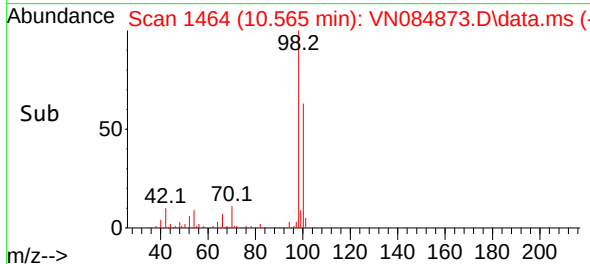
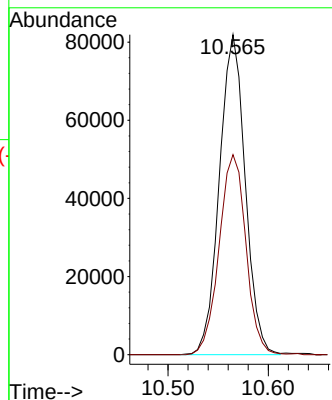
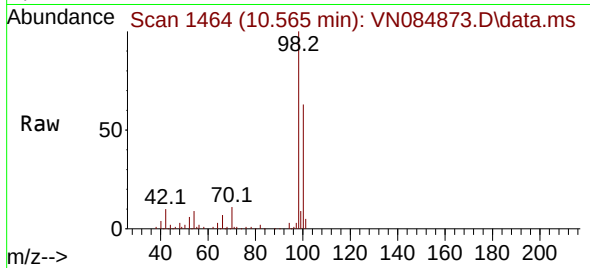




#63
Toluene-d8
Concen: 28.424 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084873.D
Acq: 15 Nov 2024 16:48

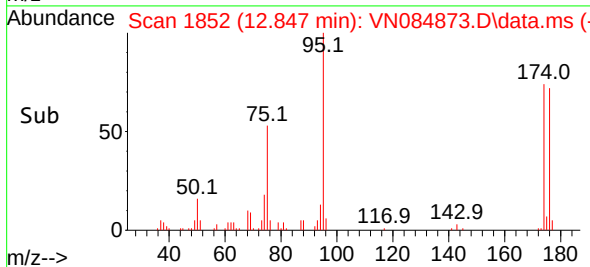
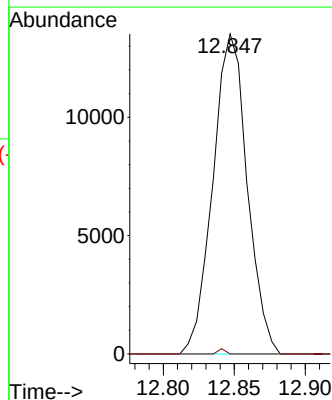
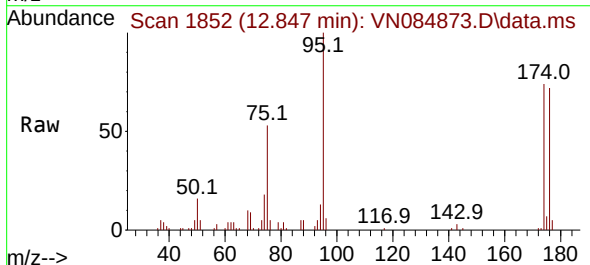
Instrument :
MSVOA_N
ClientSampleId :

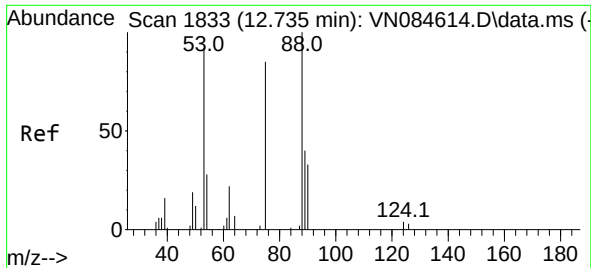
Tgt Ion: 98 Resp: 146534
Ion Ratio Lower Upper
98 100
100 64.8 52.2 78.2



#72
1,2,3-Trichloropropane
Concen: 13.739 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN084873.D
Acq: 15 Nov 2024 16:48

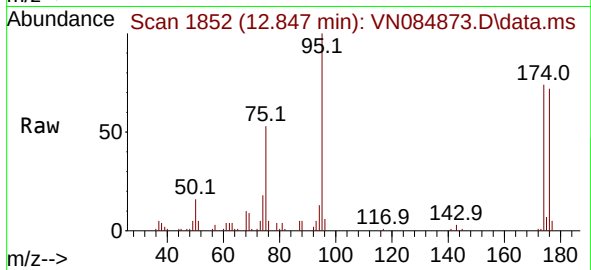
Tgt Ion: 75 Resp: 22739
Ion Ratio Lower Upper
75 100
77 0.0 0.0 358.4





#77
t-1,4-Dichloro-2-butene
Concen: 33.499 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084873.D
Acq: 15 Nov 2024 16:48

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	75	Resp:	22739
Ion	Ratio	Lower	Upper
75	100		
53	0.0	52.4	157.2#
89	0.0	26.0	78.0#

