

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111524\
 Data File : VN084872.D
 Acq On : 15 Nov 2024 16:24
 Operator : JC\MD
 Sample : P4867-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT-TB-20241113

Quant Time: Nov 15 22:26:26 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)

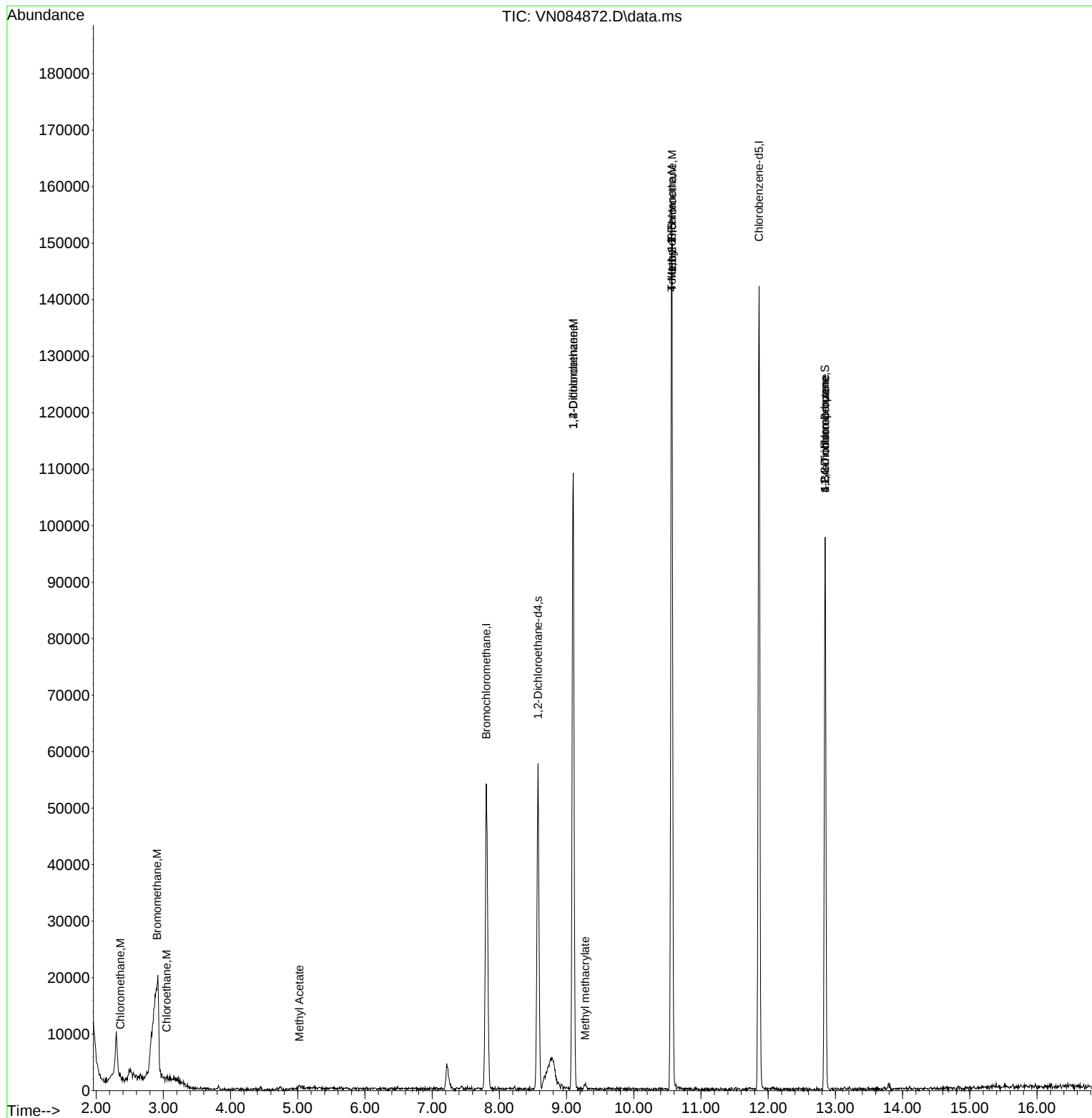
Internal Standards						
1) Bromochloromethane	7.806	128	19504	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	93607	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	81933	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	45306	28.894	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	96.300%
60) 4-Bromofluorobenzene	12.847	95	33986	24.091	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	80.300%
63) Toluene-d8	10.565	98	108719	28.030	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	93.433%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	589	0.431	ug/l #	76
5) Bromomethane	2.906	94	211	0.328	ug/l #	4
6) Chloroethane	3.048	64	275	0.330	ug/l #	47
12) Methyl Acetate	5.024	43	1084	0.612	ug/l #	52
36) 1,2-Dichloroethane	9.100	62	3499	2.258	ug/l #	74
46) Methyl methacrylate	9.277	41	228	0.205	ug/l #	14
50) 1,1,2-Trichloroethane	10.571	97	3798	3.608	ug/l #	1
58) 4-Methyl-2-Pentanone	10.565	43	490	0.379	ug/l #	1
72) 1,2,3-Trichloropropane	12.847	75	17694	14.209	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.847	75	17694	34.645	ug/l #	7

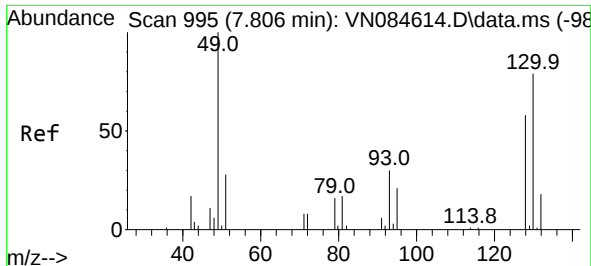
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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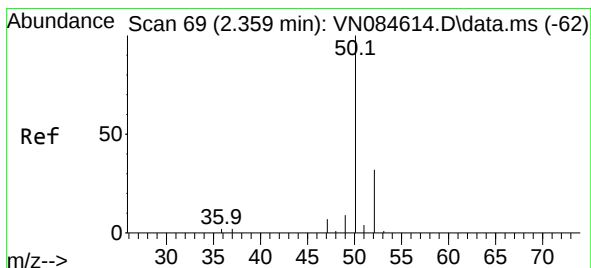
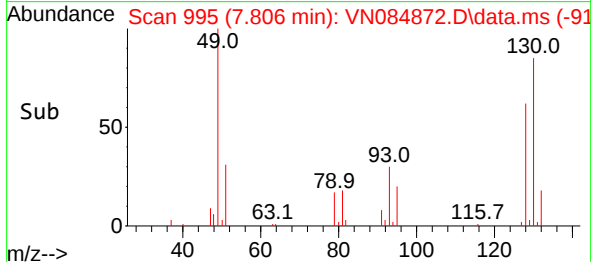
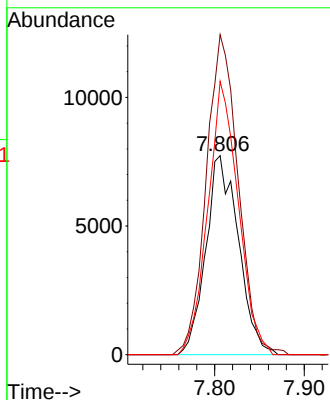
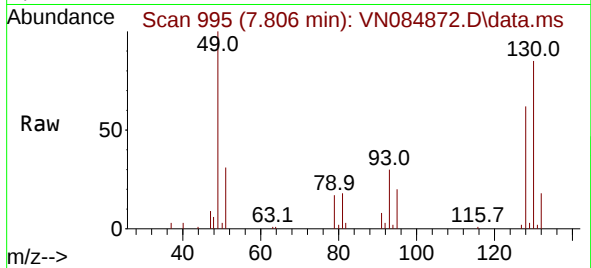




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.806 min Scan# 995
Delta R.T. 0.000 min
Lab File: VN084872.D
Acq: 15 Nov 2024 16:24

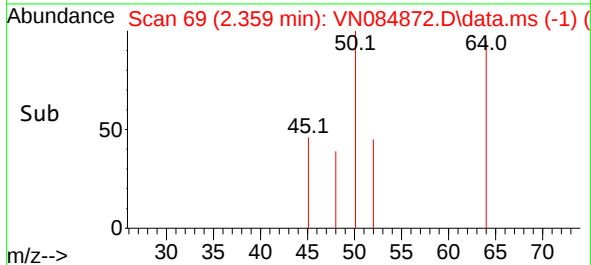
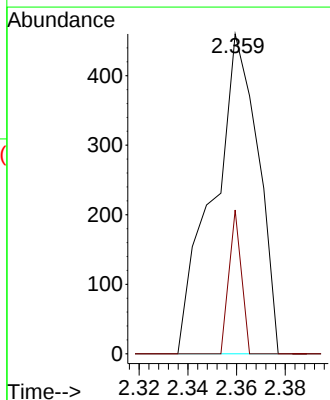
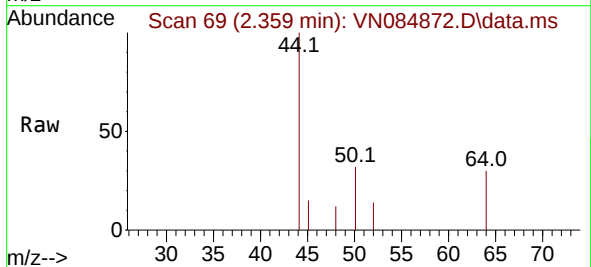
Instrument :
MSVOA_N
ClientSampleId :
TT-TB-20241113

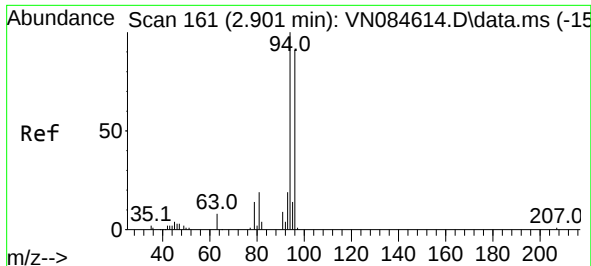
Tgt Ion:	128	Resp:	19504
Ion	Ratio	Lower	Upper
128	100		
49	156.8	0.0	427.0
130	128.8	0.0	322.2



#3
Chloromethane
Concen: 0.431 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN084872.D
Acq: 15 Nov 2024 16:24

Tgt Ion:	50	Resp:	589
Ion	Ratio	Lower	Upper
50	100		
52	45.0	25.5	38.3#





#5

Bromomethane

Concen: 0.328 ug/l

RT: 2.906 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN084872.D

Acq: 15 Nov 2024 16:24

Instrument :

MSVOA_N

ClientSampleId :

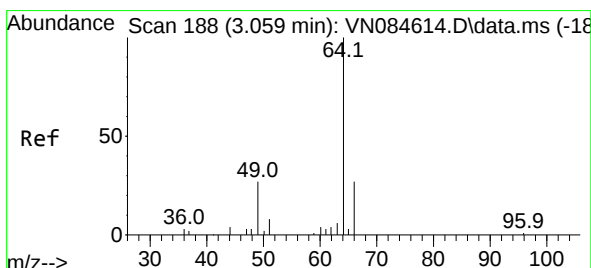
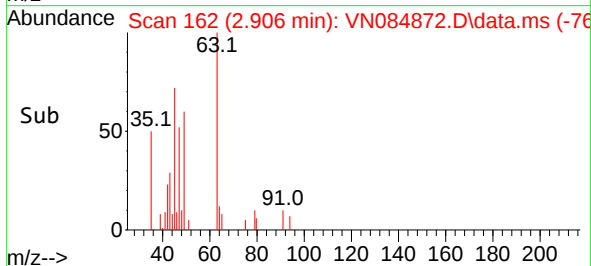
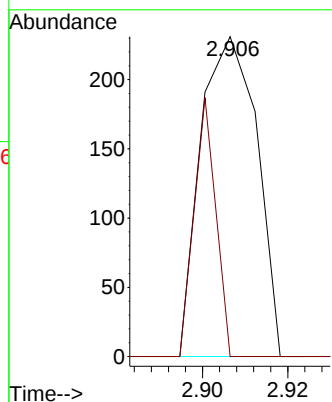
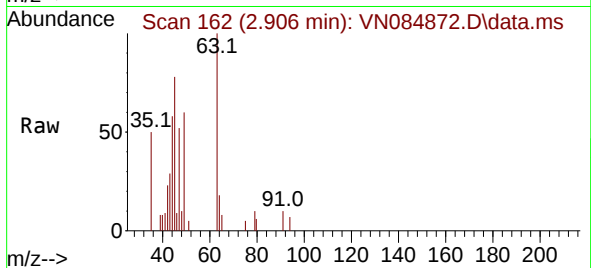
TT-TB-20241113

Tgt Ion: 94 Resp: 211

Ion Ratio Lower Upper

94 100

96 0.0 72.7 109.1#



#6

Chloroethane

Concen: 0.330 ug/l

RT: 3.048 min Scan# 186

Delta R.T. -0.012 min

Lab File: VN084872.D

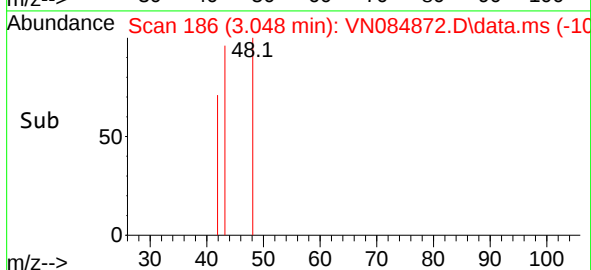
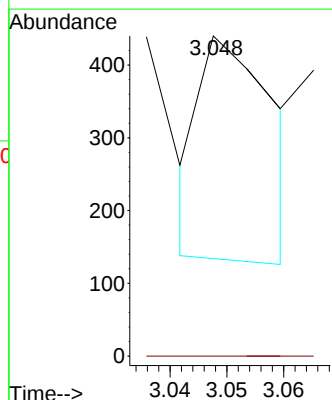
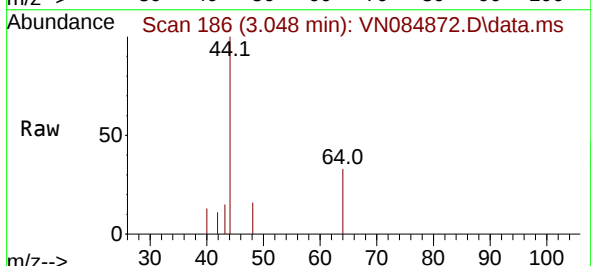
Acq: 15 Nov 2024 16:24

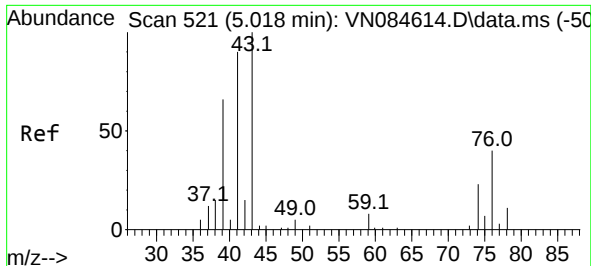
Tgt Ion: 64 Resp: 275

Ion Ratio Lower Upper

64 100

66 0.0 22.1 33.1#

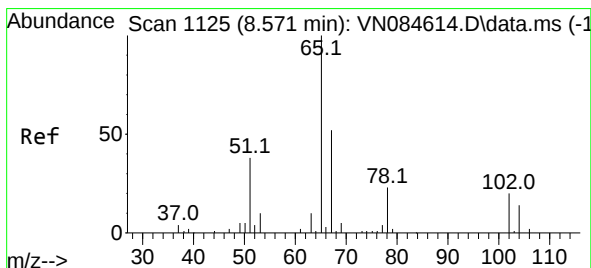
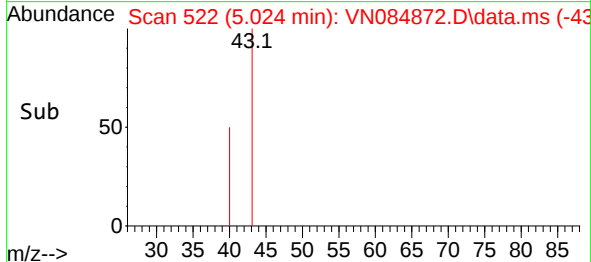
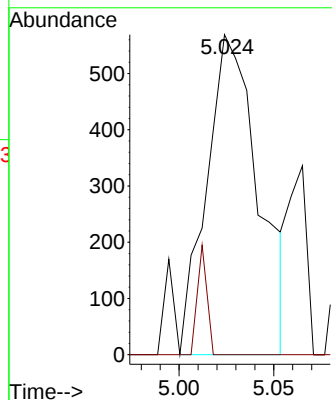
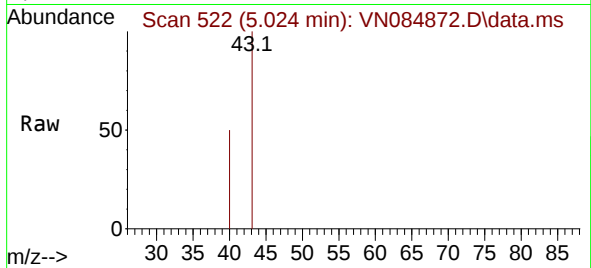




#12
Methyl Acetate
Concen: 0.612 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN084872.D
Acq: 15 Nov 2024 16:24

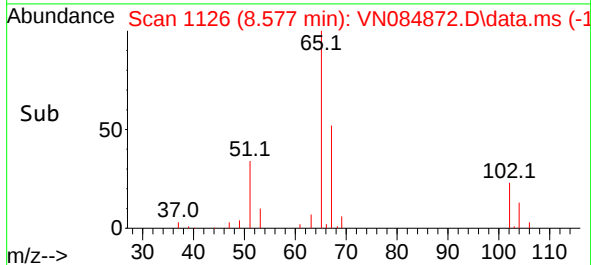
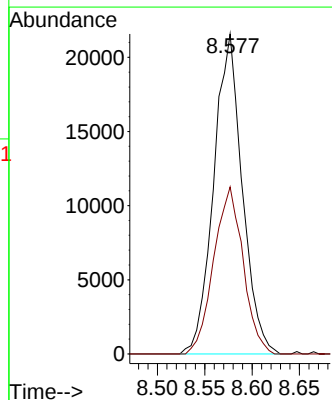
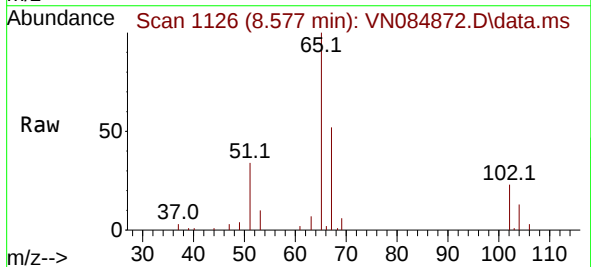
Instrument :
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TT-TB-20241113

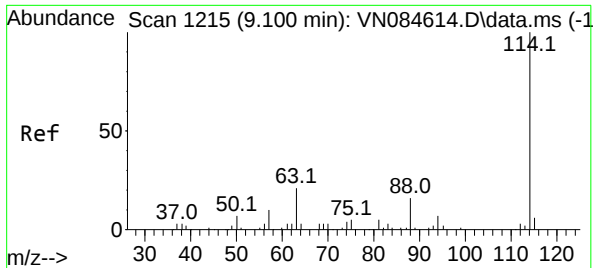
Tgt Ion: 43 Resp: 1084
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.4#



#27
1,2-Dichloroethane-d4
Concen: 28.894 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN084872.D
Acq: 15 Nov 2024 16:24

Tgt Ion: 65 Resp: 45306
Ion Ratio Lower Upper
65 100
67 53.5 40.7 61.1

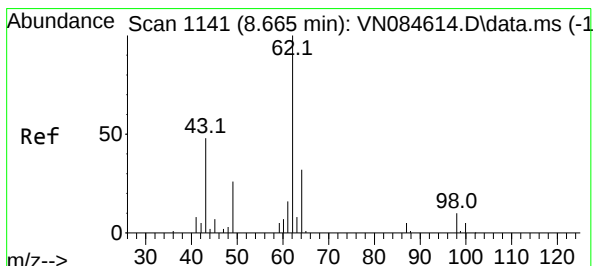
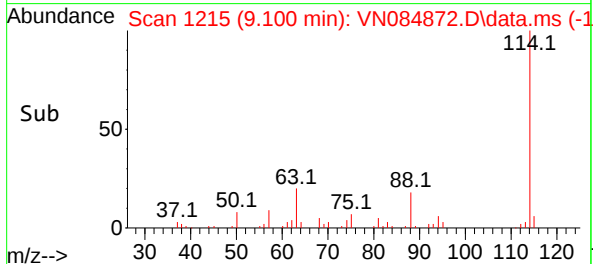
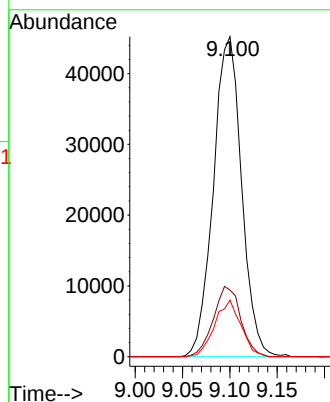
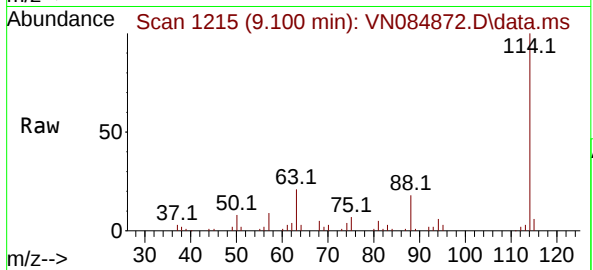




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. -0.000 min
 Lab File: VN084872.D
 Acq: 15 Nov 2024 16:24

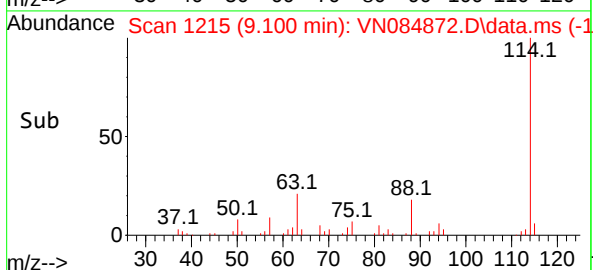
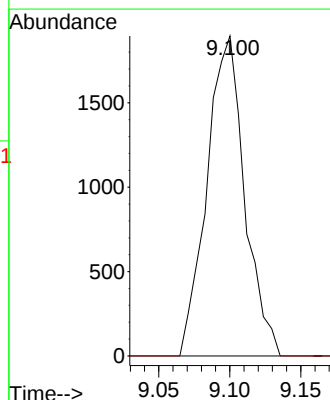
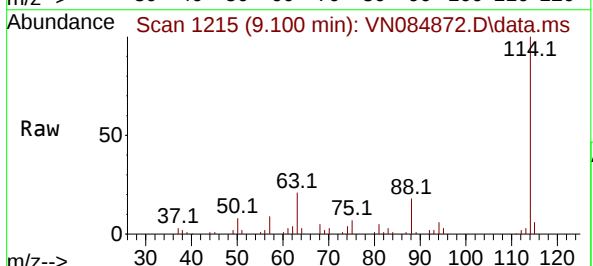
Instrument :
 MSVOA_N
 ClientSampleId :
 TT-TB-20241113

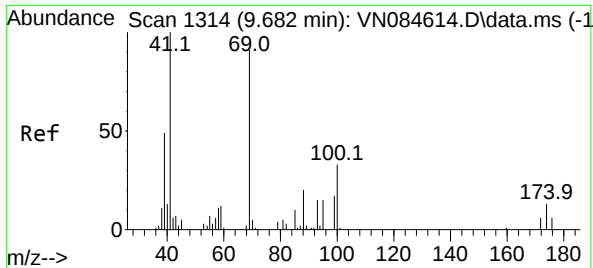
Tgt Ion:114 Resp: 93607
 Ion Ratio Lower Upper
 114 100
 63 21.3 16.8 25.2
 88 16.5 12.9 19.3



#36
 1,2-Dichloroethane
 Concen: 2.258 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.435 min
 Lab File: VN084872.D
 Acq: 15 Nov 2024 16:24

Tgt Ion: 62 Resp: 3499
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.8 11.6#

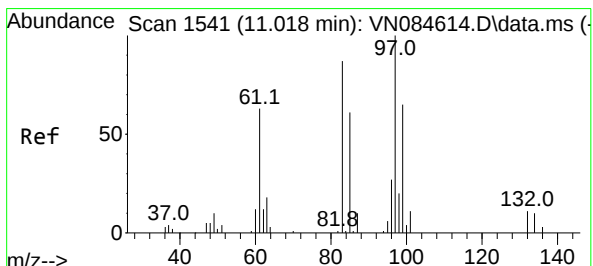
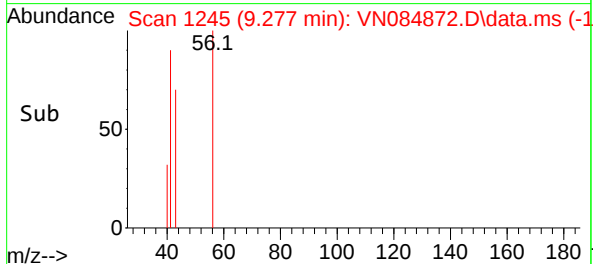
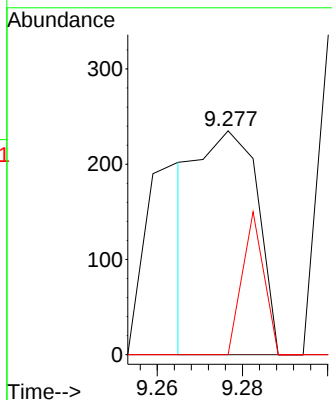
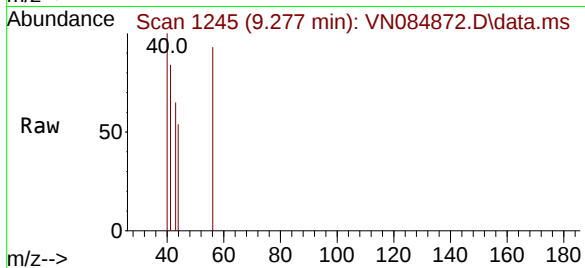




#46
Methyl methacrylate
Concen: 0.205 ug/l
RT: 9.277 min Scan# 11
Delta R.T. -0.406 min
Lab File: VN084872.D
Acq: 15 Nov 2024 16:24

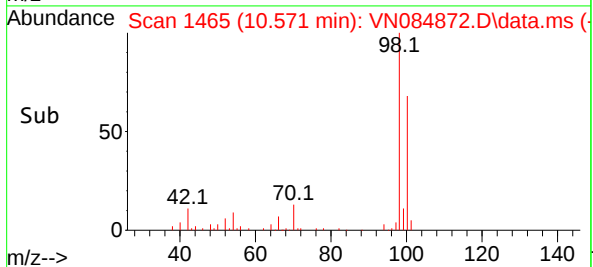
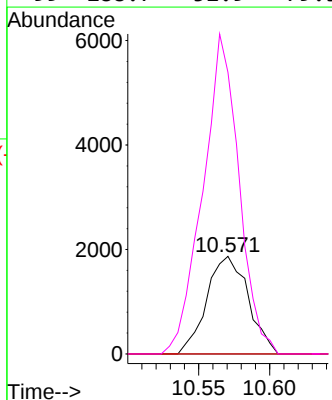
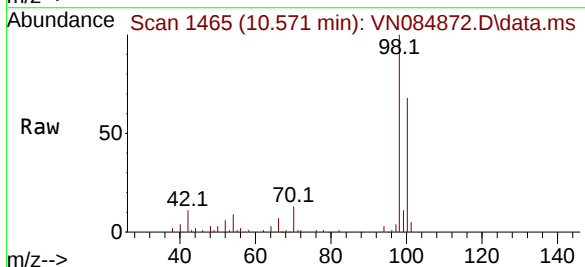
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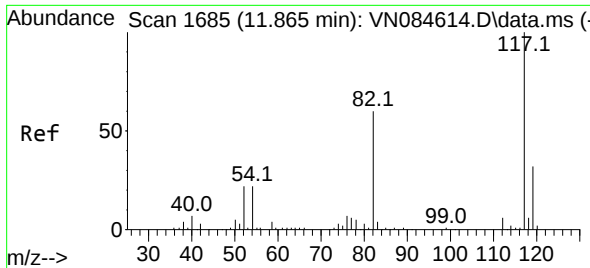
Tgt Ion: 41 Resp: 228
Ion Ratio Lower Upper
41 100
69 0.0 43.4 130.2#
39 0.0 24.7 74.1#



#50
1,1,2-Trichloroethane
Concen: 3.608 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.447 min
Lab File: VN084872.D
Acq: 15 Nov 2024 16:24

Tgt Ion: 97 Resp: 3798
Ion Ratio Lower Upper
97 100
83 0.0 69.8 104.8#
85 0.0 48.6 73.0#
99 288.7 52.9 79.3#

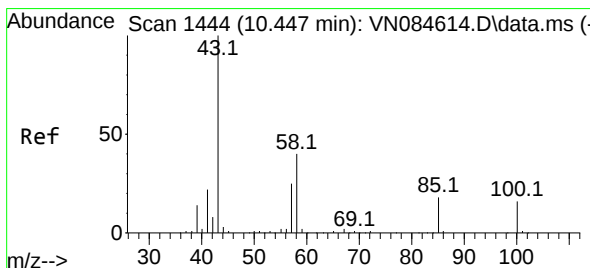
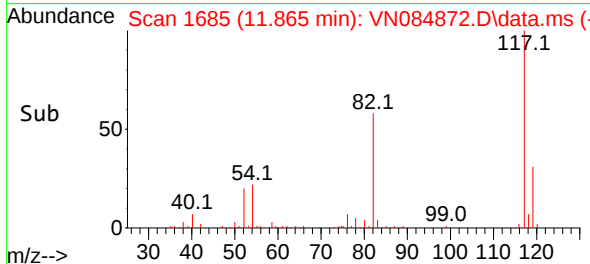
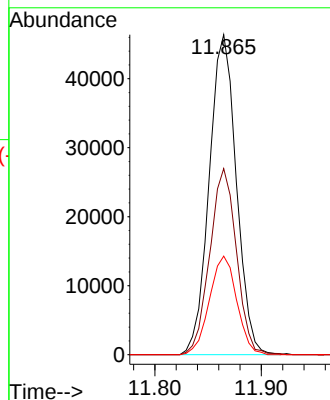
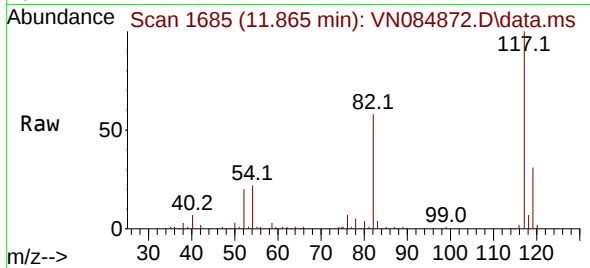




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN084872.D
Acq: 15 Nov 2024 16:24

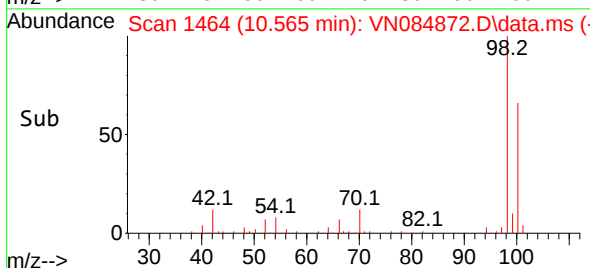
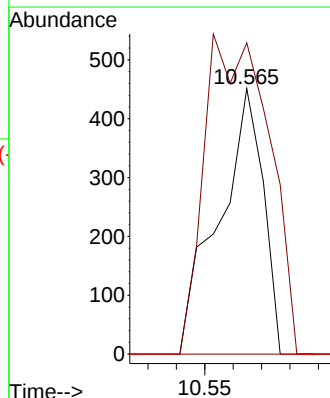
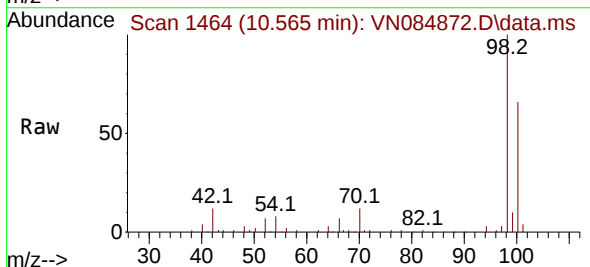
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TT-TB-20241113

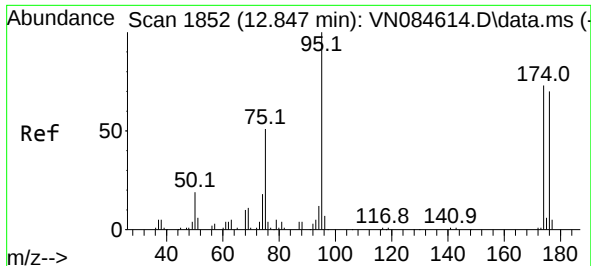
Tgt Ion:117	Resp:	81933
Ion	Ratio	Lower Upper
117	100	
82	57.3	45.5 68.3
119	31.1	25.3 37.9



#58
4-Methyl-2-Pentanone
Concen: 0.379 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.118 min
Lab File: VN084872.D
Acq: 15 Nov 2024 16:24

Tgt Ion: 43	Resp:	490
Ion	Ratio	Lower Upper
43	100	
58	174.7	31.2 46.8#
85	0.0	14.9 22.3#

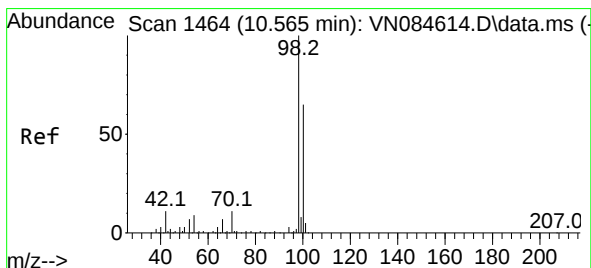
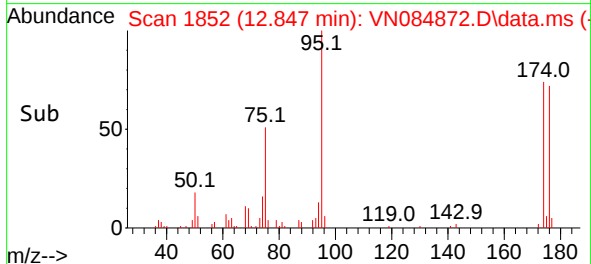
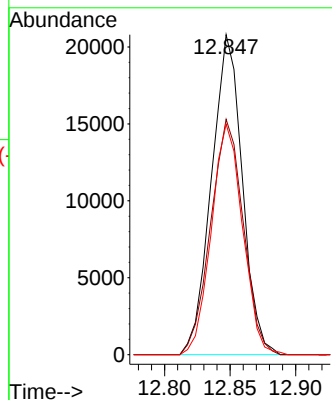
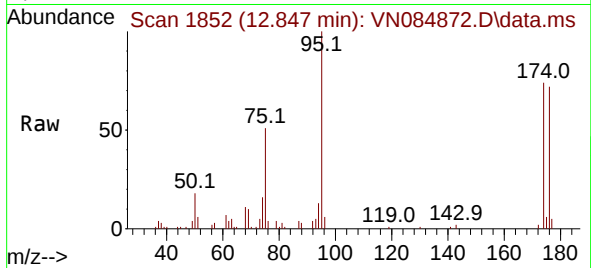




#60
4-Bromofluorobenzene
Concen: 24.091 ug/l
RT: 12.847 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084872.D
Acq: 15 Nov 2024 16:24

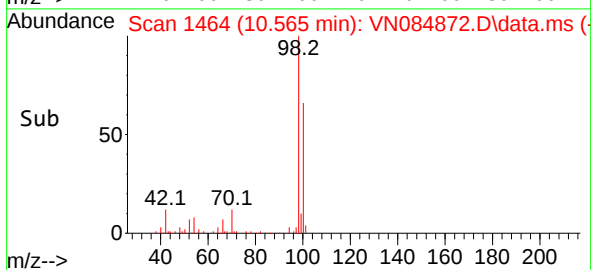
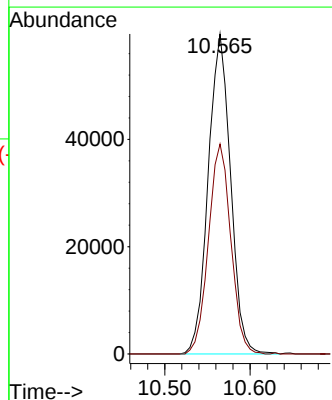
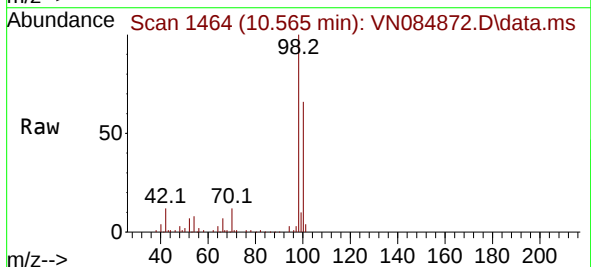
Instrument :
MSVOA_N
ClientSampleId :
TT-TB-20241113

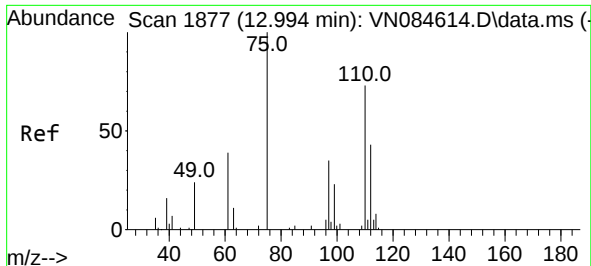
Tgt Ion: 95 Resp: 33986
Ion Ratio Lower Upper
95 100
174 77.9 59.6 89.4
176 73.2 58.6 88.0



#63
Toluene-d8
Concen: 28.030 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084872.D
Acq: 15 Nov 2024 16:24

Tgt Ion: 98 Resp: 108719
Ion Ratio Lower Upper
98 100
100 65.4 52.2 78.2

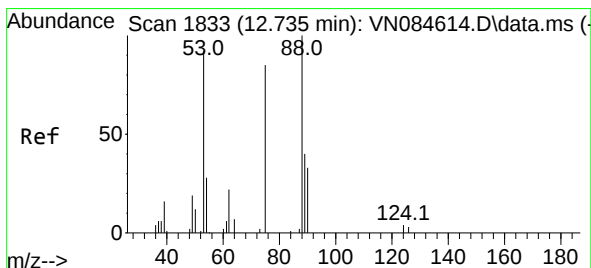
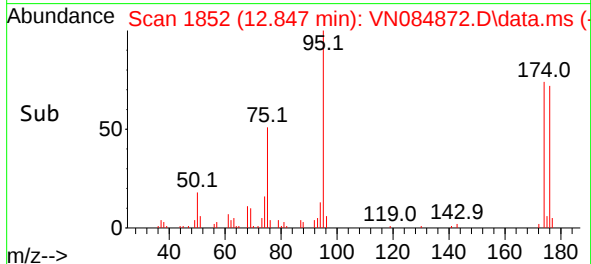
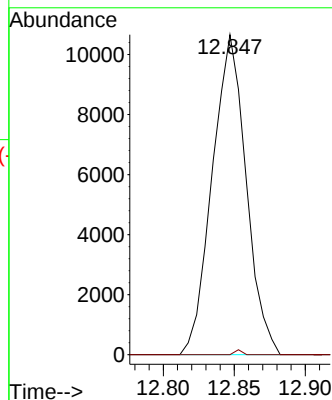
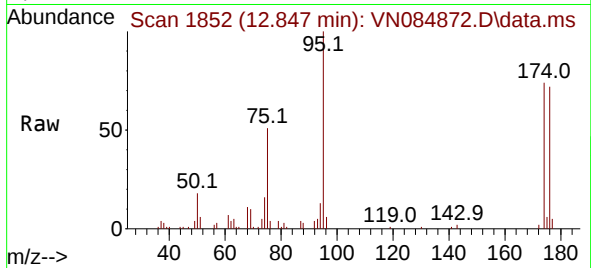




#72
1,2,3-Trichloropropane
Concen: 14.209 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN084872.D
Acq: 15 Nov 2024 16:24

Instrument :
MSVOA_N
ClientSampleId :
TT-TB-20241113

Tgt Ion: 75 Resp: 17694
Ion Ratio Lower Upper
75 100
77 0.0 0.0 358.4



#77
t-1,4-Dichloro-2-butene
Concen: 34.645 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084872.D
Acq: 15 Nov 2024 16:24

Tgt Ion: 75 Resp: 17694
Ion Ratio Lower Upper
75 100
53 0.0 52.4 157.2#
89 0.0 26.0 78.0#

