

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092624\
 Data File : VN084191.D
 Acq On : 26 Sep 2024 21:04
 Operator : JC\MD
 Sample : P4189-03 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 27 01:15:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 06 23:42:47 2024
 Response via : Initial Calibration

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

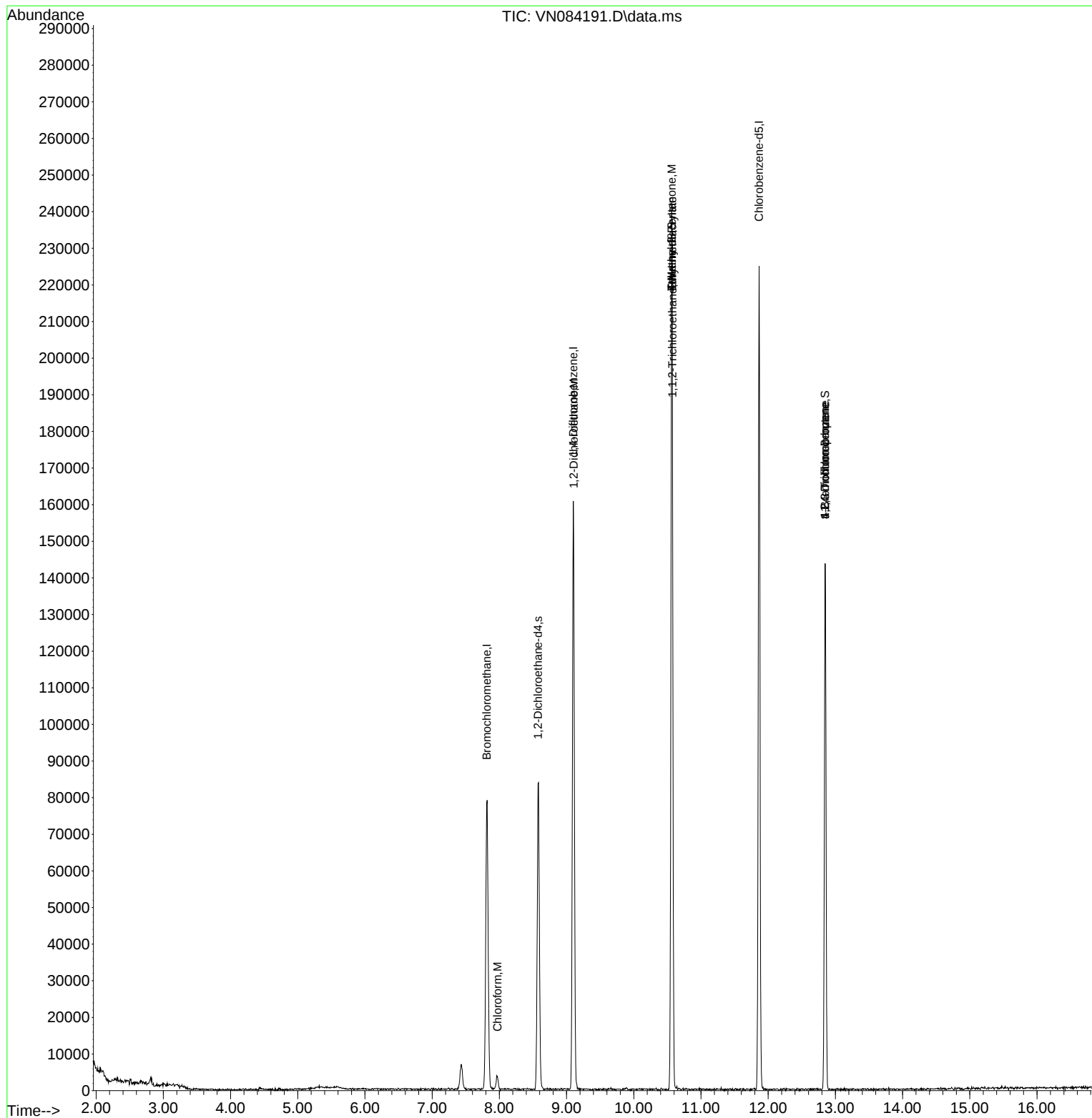
Internal Standards						
1) Bromochloromethane	7.812	128	27224	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	131497	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	122299	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	70173	28.199	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	94.000%
60) 4-Bromofluorobenzene	12.847	95	50569	23.991	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	79.967%
63) Toluene-d8	10.565	98	165746	29.269	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.567%
Target Compounds						
					Qvalue	
25) Chloroform	7.971	83	3691	1.018	ug/l	84
36) 1,2-Dichloroethane	9.106	62	5391	2.291	ug/l #	72
50) 1,1,2-Trichloroethane	10.577	97	5739	4.095	ug/l #	1
51) Ethyl methacrylate	10.571	69	579	0.242	ug/l	83
58) 4-Methyl-2-Pentanone	10.565	43	713	0.368	ug/l #	1
72) 1,2,3-Trichloropropane	12.847	75	27929	15.527	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	27929	36.733	ug/l #	12

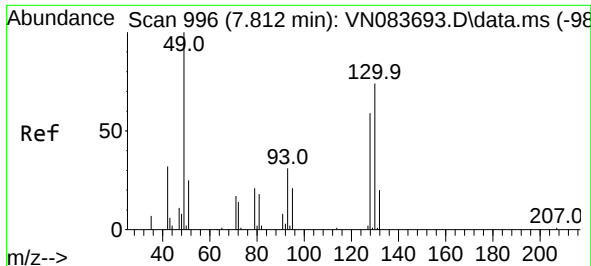
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 06 23:42:47 2024
Response via : Initial Calibration

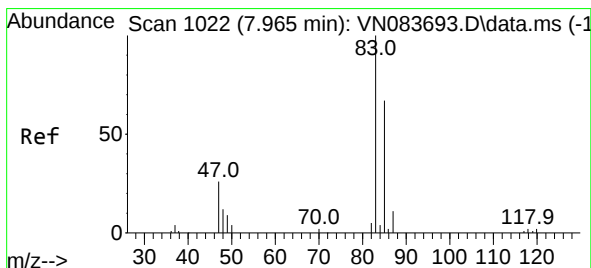
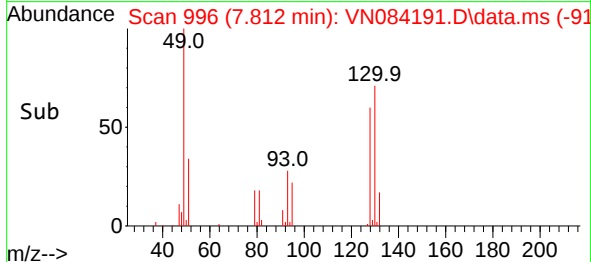
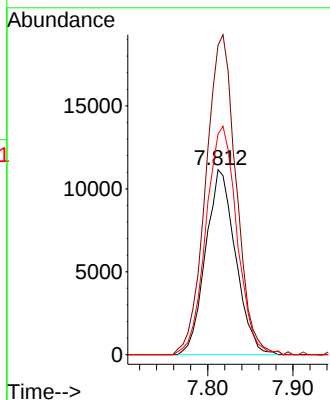
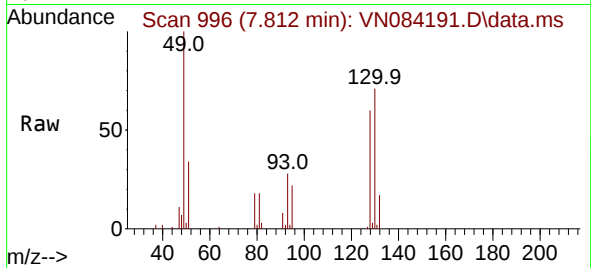




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN084191.D
Acq: 26 Sep 2024 21:04

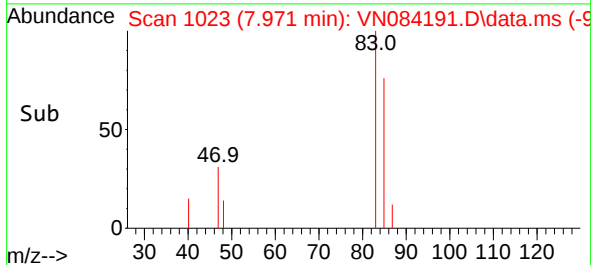
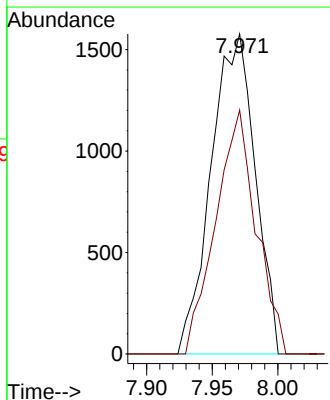
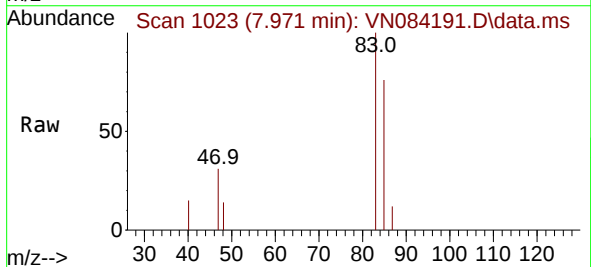
Instrument :
MSVOA_N
ClientSampleId :

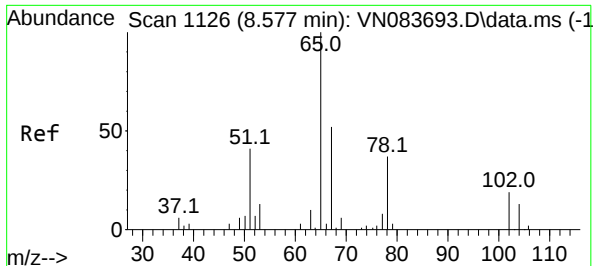
Tgt Ion:128 Resp: 27224
Ion Ratio Lower Upper
128 100
49 175.3 0.0 403.7
130 127.7 0.0 323.3



#25
Chloroform
Concen: 1.018 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.006 min
Lab File: VN084191.D
Acq: 26 Sep 2024 21:04

Tgt Ion: 83 Resp: 3691
Ion Ratio Lower Upper
83 100
85 76.2 50.9 76.3

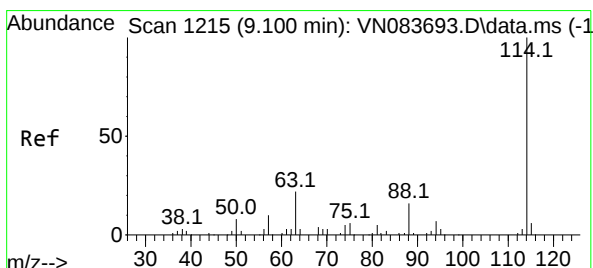
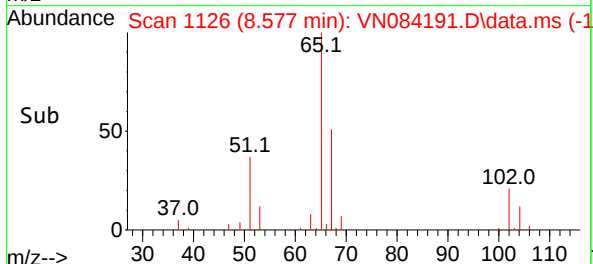
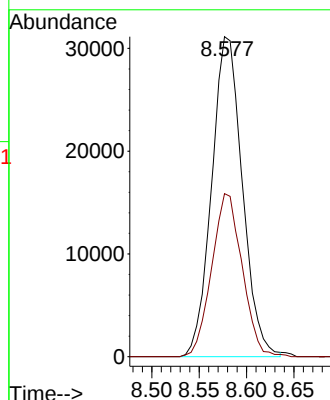
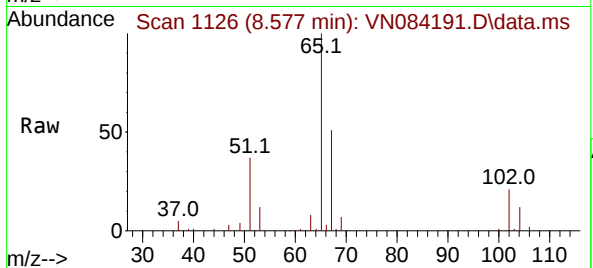




#27
1,2-Dichloroethane-d4
Concen: 28.199 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN084191.D
Acq: 26 Sep 2024 21:04

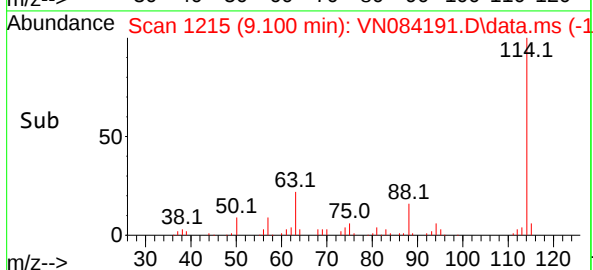
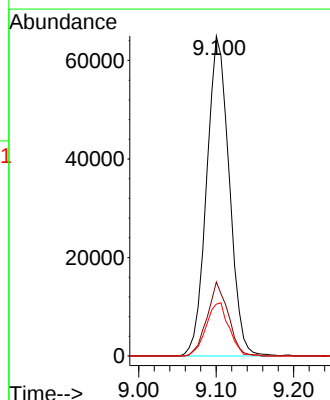
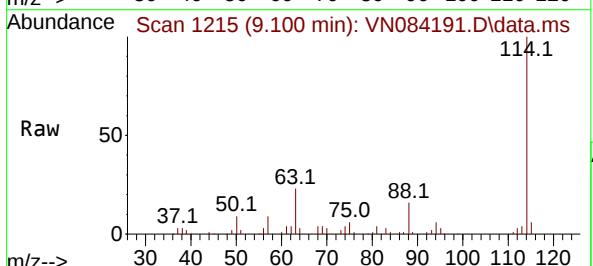
Instrument :
MSVOA_N
ClientSampleId :

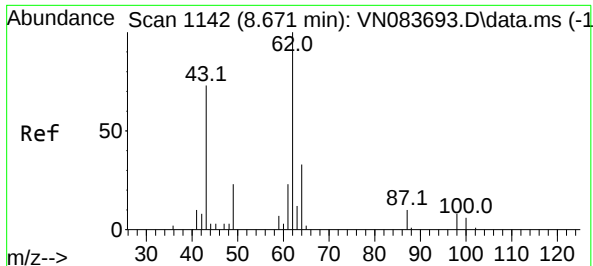
Tgt Ion: 65 Resp: 70173
Ion Ratio Lower Upper
65 100
67 50.5 43.2 64.8



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084191.D
Acq: 26 Sep 2024 21:04

Tgt Ion:114 Resp: 131497
Ion Ratio Lower Upper
114 100
63 21.6 15.9 23.9
88 16.7 12.7 19.1

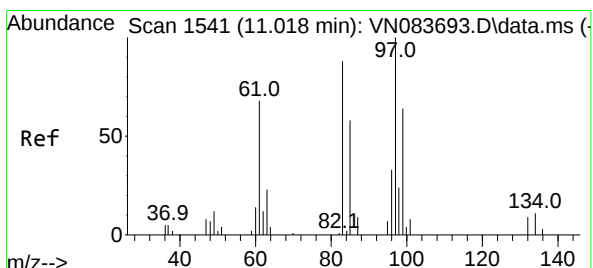
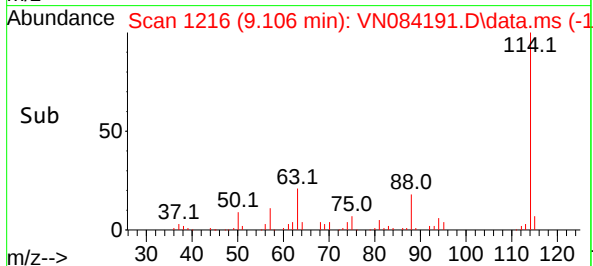
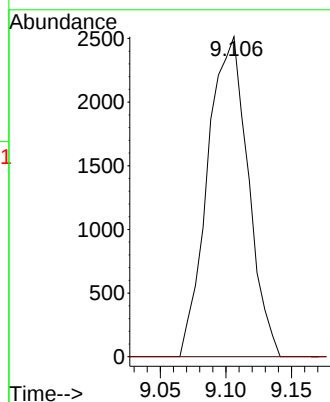
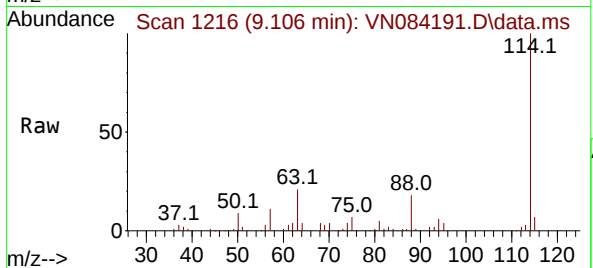




#36
 1,2-Dichloroethane
 Concen: 2.291 ug/l
 RT: 9.106 min Scan# 1142
 Delta R.T. 0.435 min
 Lab File: VN084191.D
 Acq: 26 Sep 2024 21:04

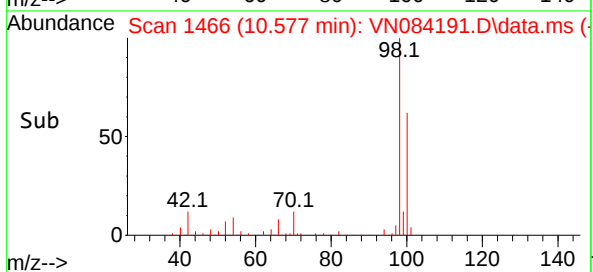
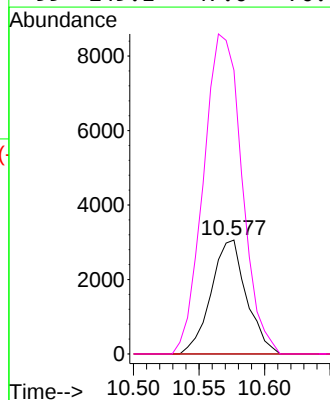
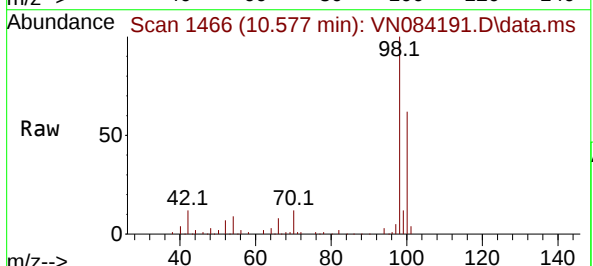
Instrument :
 MSVOA_N
 ClientSampleId :

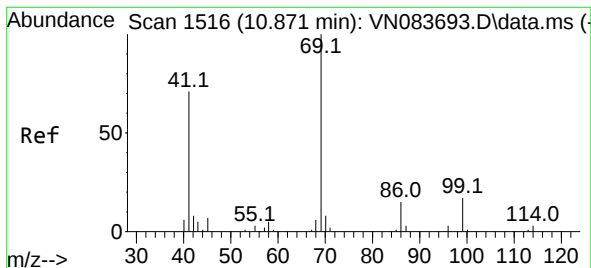
Tgt Ion: 62 Resp: 5391
 Ion Ratio Lower Upper
 62 100
 98 0.0 8.2 12.4#



#50
 1,1,2-Trichloroethane
 Concen: 4.095 ug/l
 RT: 10.577 min Scan# 1466
 Delta R.T. -0.441 min
 Lab File: VN084191.D
 Acq: 26 Sep 2024 21:04

Tgt Ion: 97 Resp: 5739
 Ion Ratio Lower Upper
 97 100
 83 0.0 68.1 102.1#
 85 0.0 41.8 62.6#
 99 249.1 47.0 70.4#





#51

Ethyl methacrylate

Concen: 0.242 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.300 min

Lab File: VN084191.D

Acq: 26 Sep 2024 21:04

Instrument :

MSVOA_N

ClientSampleId :

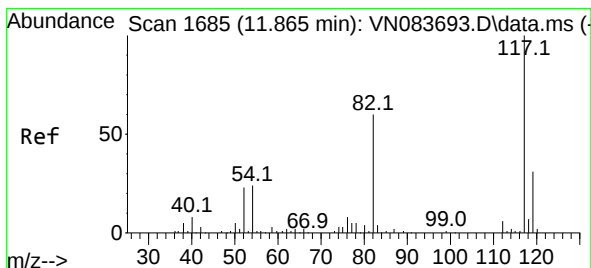
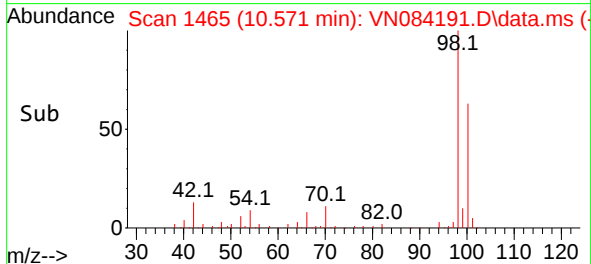
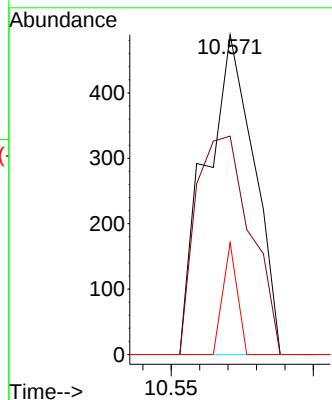
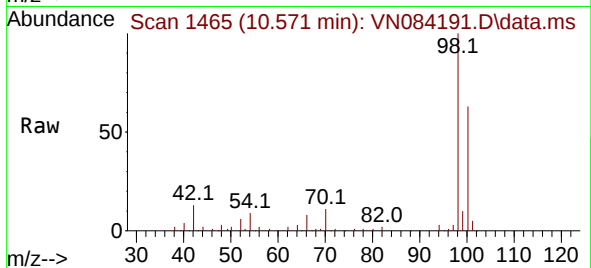
Tgt Ion: 69 Resp: 579

Ion Ratio Lower Upper

69 100

41 68.3 25.5 76.5

39 35.0 16.0 47.9



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VN084191.D

Acq: 26 Sep 2024 21:04

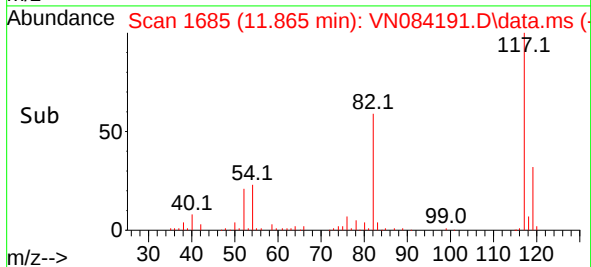
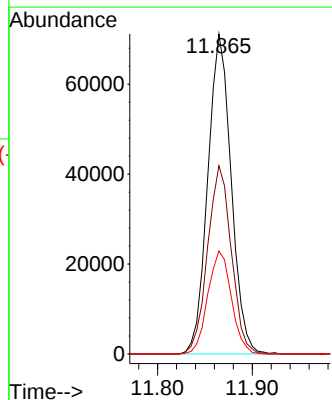
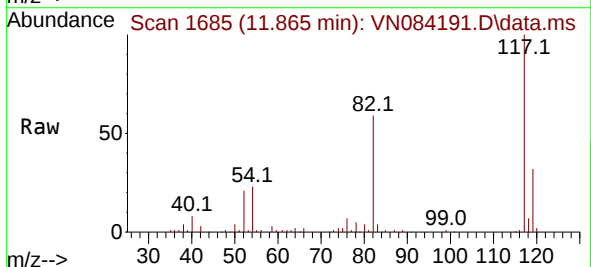
Tgt Ion: 117 Resp: 122299

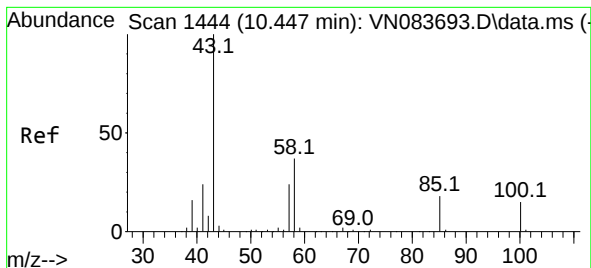
Ion Ratio Lower Upper

117 100

82 59.7 46.6 69.8

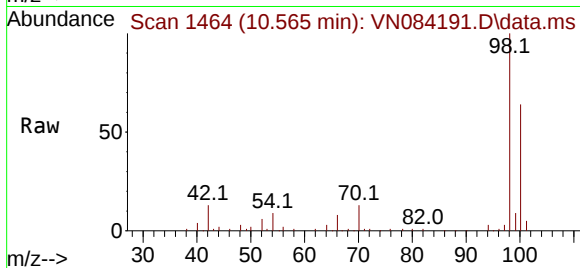
119 32.4 25.4 38.2



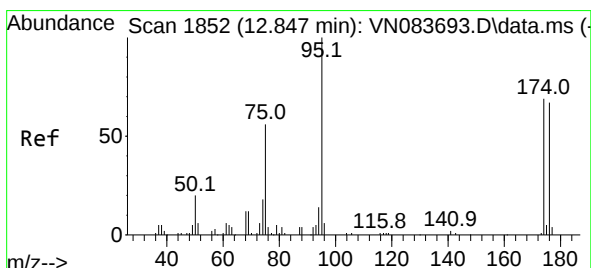
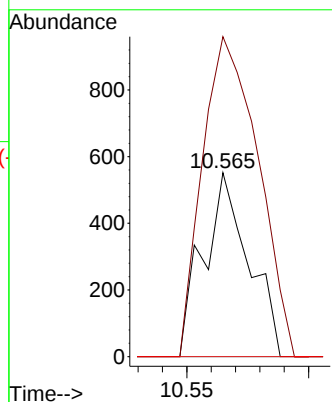
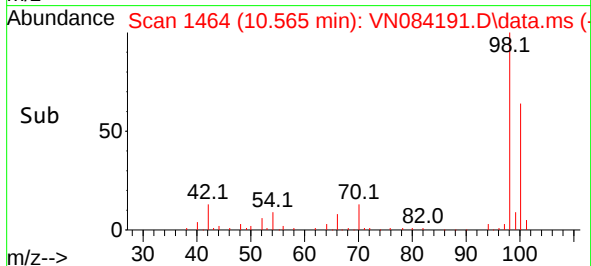


#58
4-Methyl-2-Pentanone
Concen: 0.368 ug/l
RT: 10.565 min Scan# 1444
Delta R.T. 0.118 min
Lab File: VN084191.D
Acq: 26 Sep 2024 21:04

Instrument :
MSVOA_N
ClientSampleId :

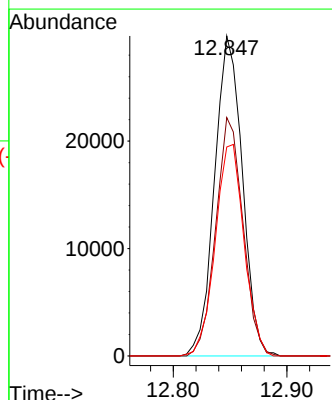
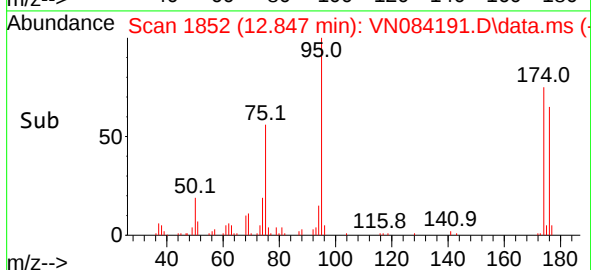
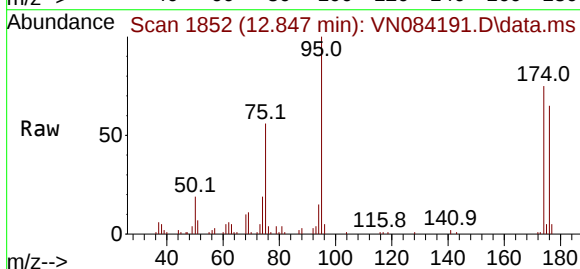


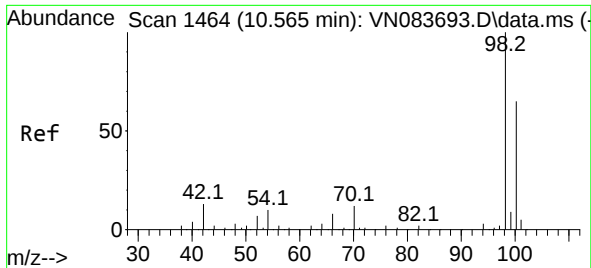
Tgt Ion: 43 Resp: 713
Ion Ratio Lower Upper
43 100
58 214.2 36.5 54.7#
85 0.0 19.5 29.3#



#60
4-Bromofluorobenzene
Concen: 23.991 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084191.D
Acq: 26 Sep 2024 21:04

Tgt Ion: 95 Resp: 50569
Ion Ratio Lower Upper
95 100
174 73.2 60.5 90.7
176 68.7 57.8 86.6

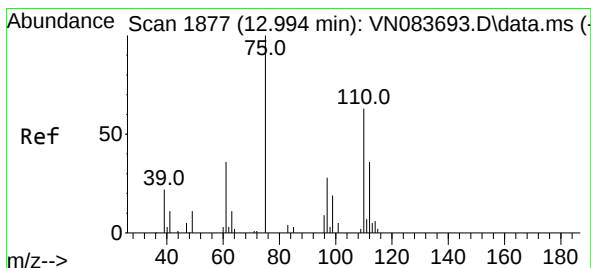
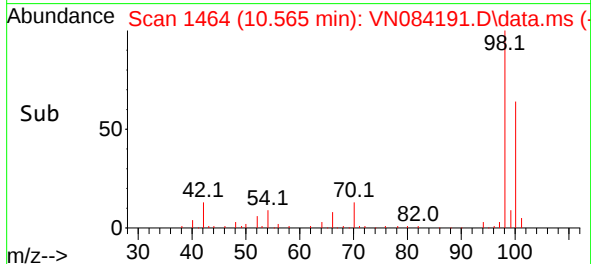
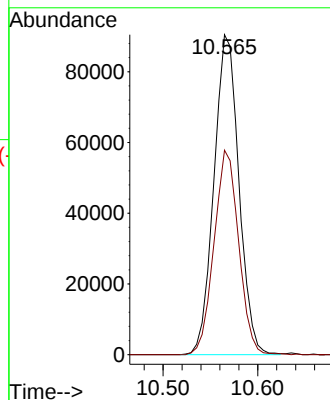
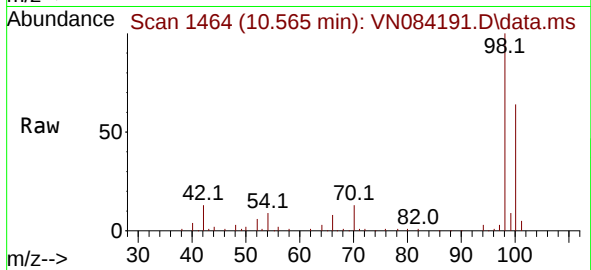




#63
Toluene-d8
Concen: 29.269 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084191.D
Acq: 26 Sep 2024 21:04

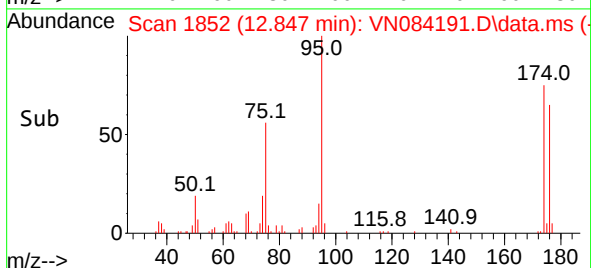
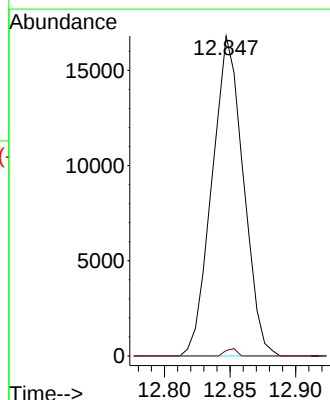
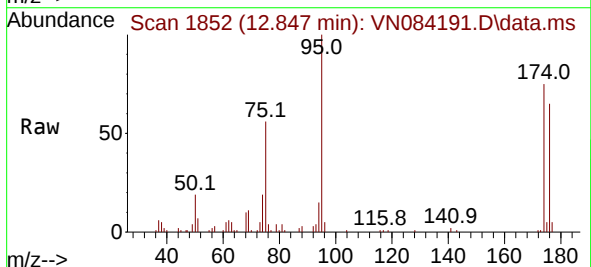
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MSVOA_N
ClientSampleId :

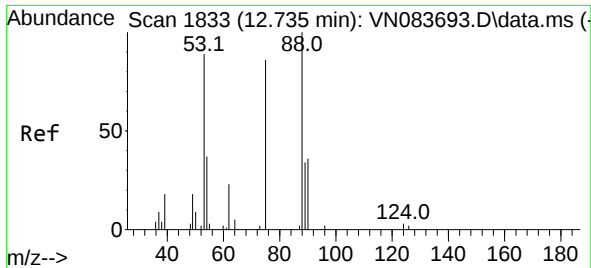
Tgt Ion: 98 Resp: 165746
Ion Ratio Lower Upper
98 100
100 63.0 52.7 79.1



#72
1,2,3-Trichloropropane
Concen: 15.527 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN084191.D
Acq: 26 Sep 2024 21:04

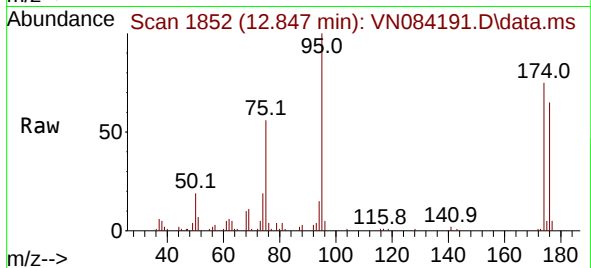
Tgt Ion: 75 Resp: 27929
Ion Ratio Lower Upper
75 100
77 0.9 0.0 367.6





#77
t-1,4-Dichloro-2-butene
Concen: 36.733 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN084191.D
Acq: 26 Sep 2024 21:04

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 27929
Ion Ratio Lower Upper
75 100
53 0.0 45.9 137.7#
89 0.0 25.9 77.7#

