

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041124\
 Data File : VN081703.D
 Acq On : 11 Apr 2024 17:49
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Apr 12 06:04:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041024W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 11 09:25:01 2024
 Response via : Initial Calibration

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

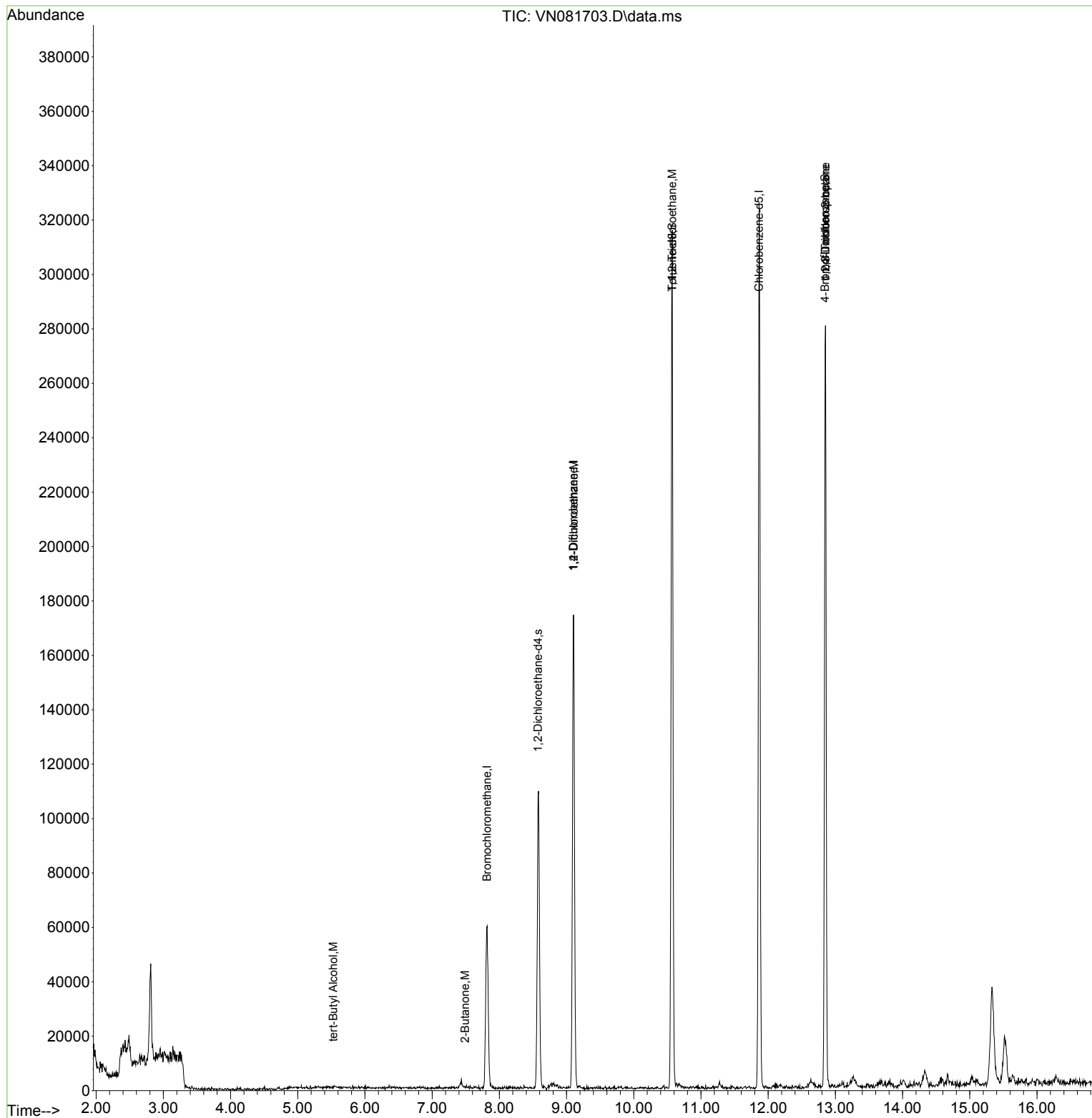
Internal Standards						
1) Bromochloromethane	7.818	128	21568	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	152963	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	189779	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	89043	33.606	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	112.033%#
60) 4-Bromofluorobenzene	12.847	95	94452	25.315	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	84.367%
63) Toluene-d8	10.571	98	213174	28.003	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	93.333%
Target Compounds						
					Qvalue	
23) tert-Butyl Alcohol	5.530	59	171	0.379	ug/l #	100
30) 2-Butanone	7.488	43	352	0.229	ug/l #	52
36) 1,2-Dichloroethane	9.106	62	6325	1.489	ug/l #	72
50) 1,1,2-Trichloroethane	10.571	97	8446	2.620	ug/l #	1
72) 1,2,3-Trichloropropane	12.853	75	51937	15.080	ug/l	1
77) t-1,4-Dichloro-2-butene	12.853	75	51937	36.414	ug/l #	12

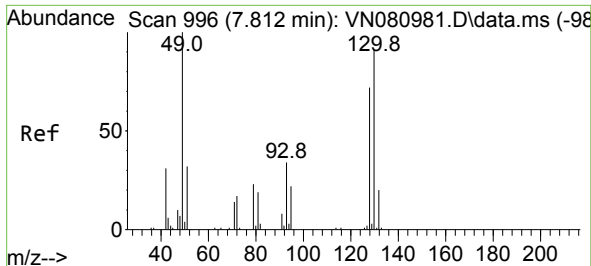
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041024W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 11 09:25:01 2024
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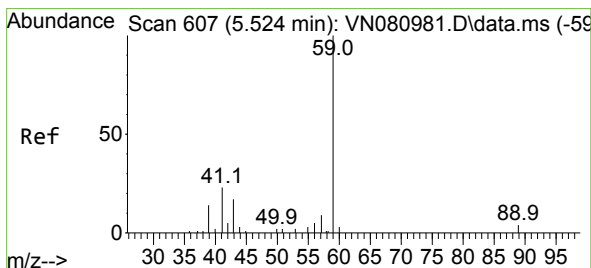
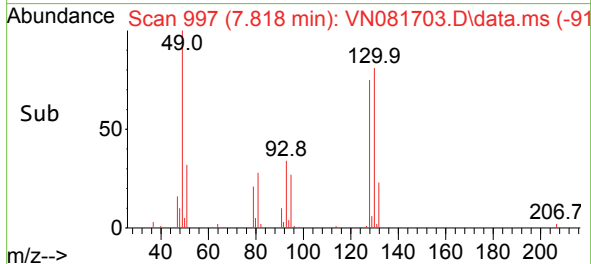
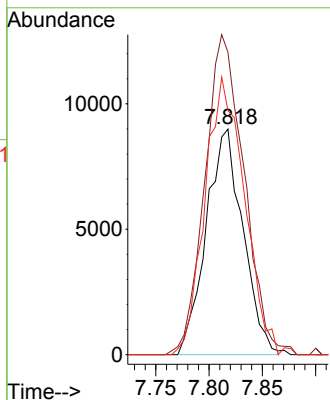
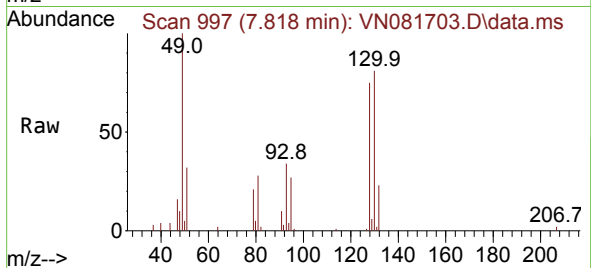




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 996
Delta R.T. -0.006 min
Lab File: VN081703.D
Acq: 11 Apr 2024 17:49

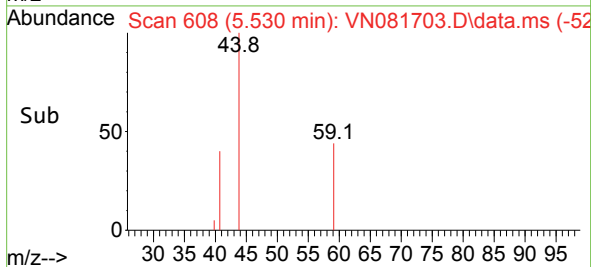
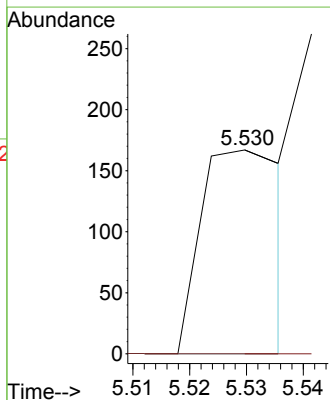
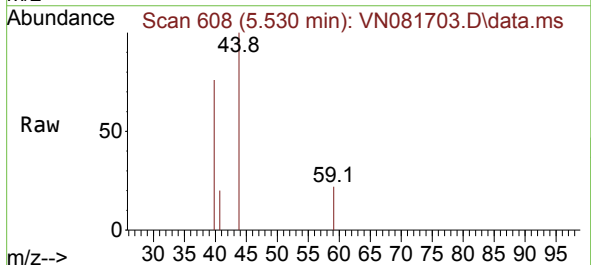
Instrument :
MSVOA_N
ClientSampleId :
IBLK

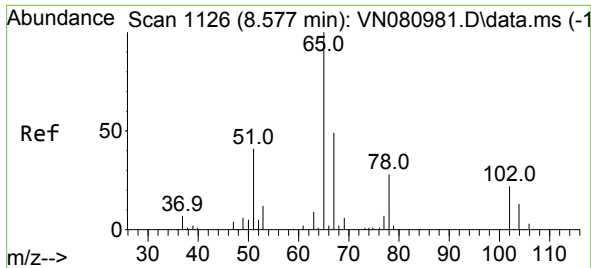
Tgt Ion:128 Resp: 21568
Ion Ratio Lower Upper
128 100
49 151.1 0.0 403.7
130 131.9 0.0 323.3



#23
tert-Butyl Alcohol
Concen: 0.379 ug/l
RT: 5.530 min Scan# 608
Delta R.T. 0.018 min
Lab File: VN081703.D
Acq: 11 Apr 2024 17:49

Tgt Ion: 59 Resp: 171
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

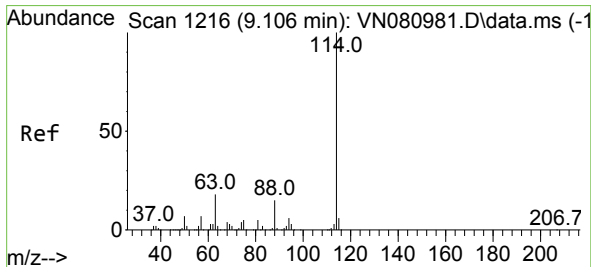
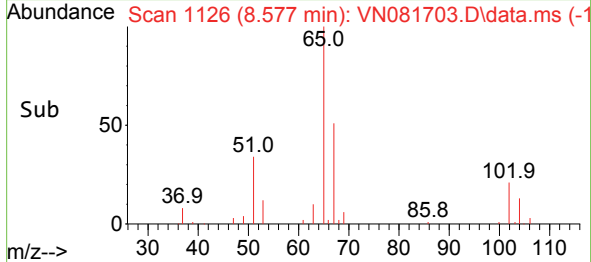
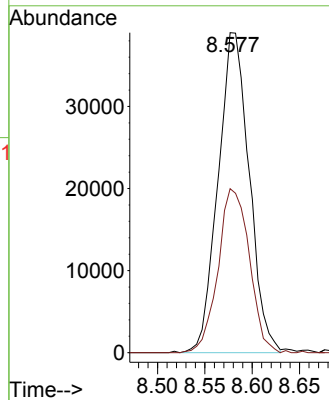
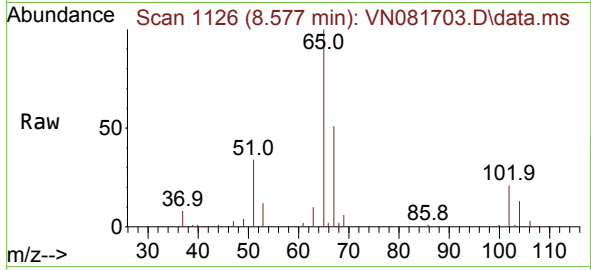




#27
1,2-Dichloroethane-d4
Concen: 33.606 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VN081703.D
Acq: 11 Apr 2024 17:49

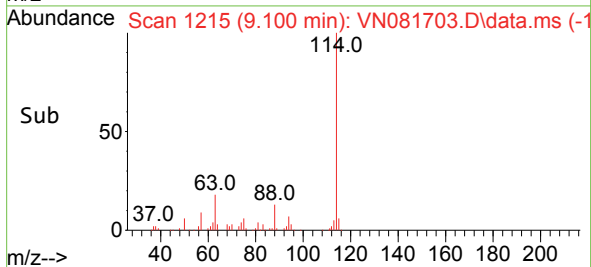
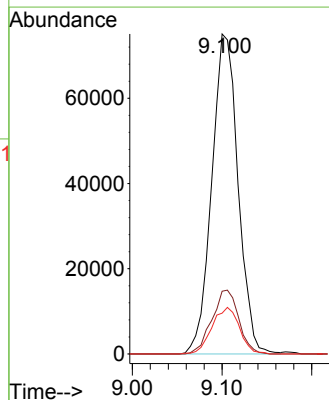
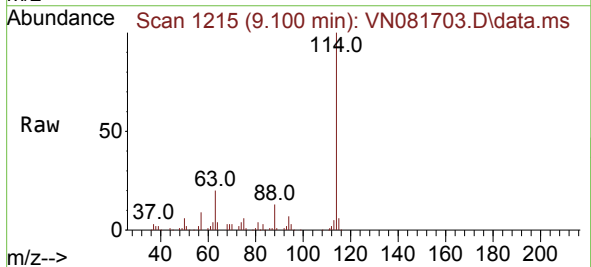
Instrument :
MSVOA_N
ClientSampleId :
IBLK

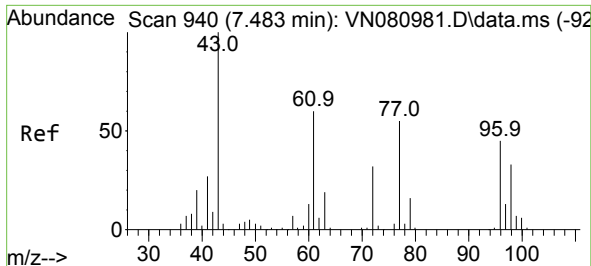
Tgt Ion: 65 Resp: 89043
Ion Ratio Lower Upper
65 100
67 51.5 43.2 64.8



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN081703.D
Acq: 11 Apr 2024 17:49

Tgt Ion: 114 Resp: 152963
Ion Ratio Lower Upper
114 100
63 20.3 15.9 23.9
88 15.2 12.7 19.1





#30

2-Butanone

Concen: 0.229 ug/l

RT: 7.488 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN081703.D

Acq: 11 Apr 2024 17:49

Instrument :

MSVOA_N

ClientSampleId :

IBLK

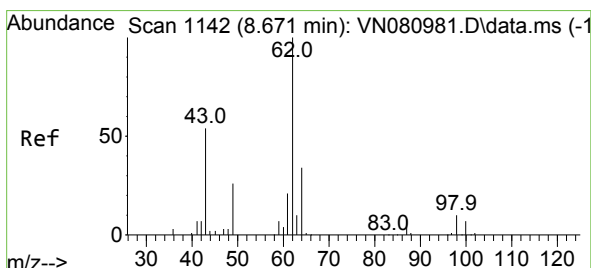
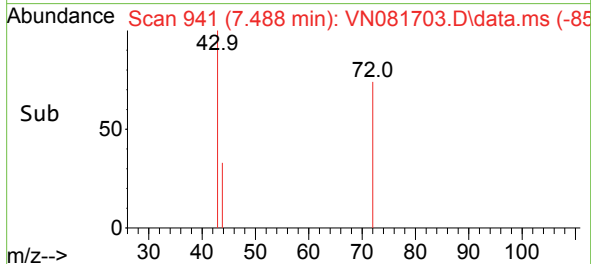
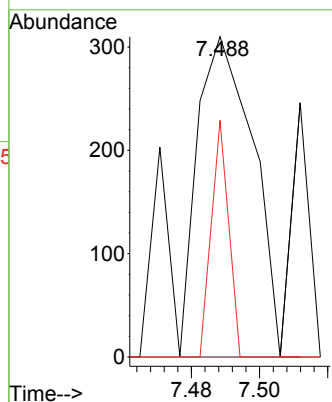
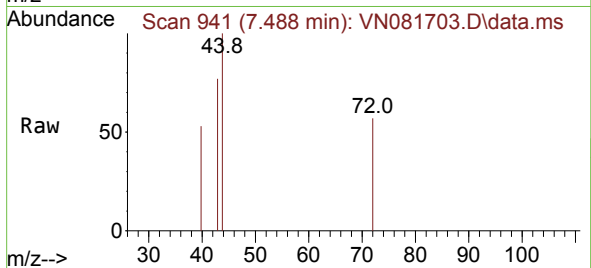
Tgt Ion: 43 Resp: 352

Ion Ratio Lower Upper

43 100

57 0.0 6.7 10.1#

72 0.0 24.0 36.0#



#36

1,2-Dichloroethane

Concen: 1.489 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.435 min

Lab File: VN081703.D

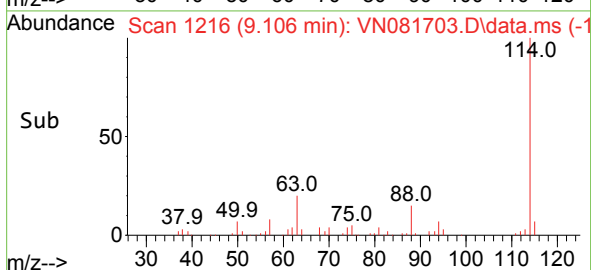
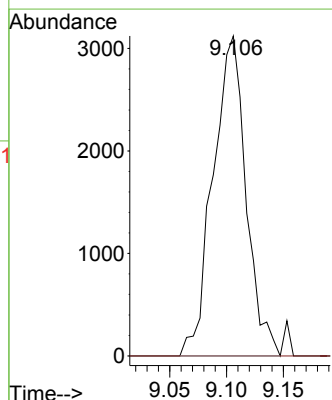
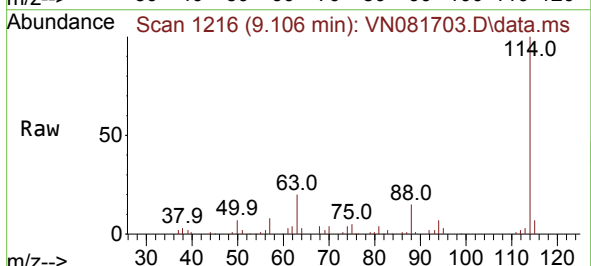
Acq: 11 Apr 2024 17:49

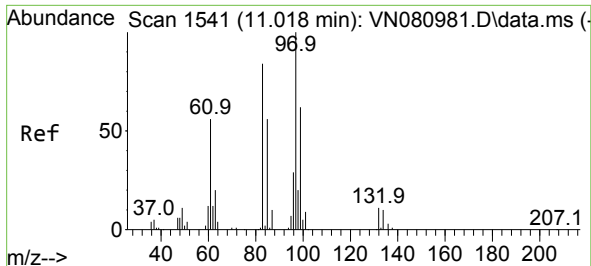
Tgt Ion: 62 Resp: 6325

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.4#

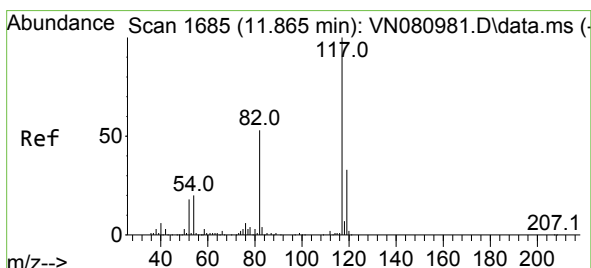
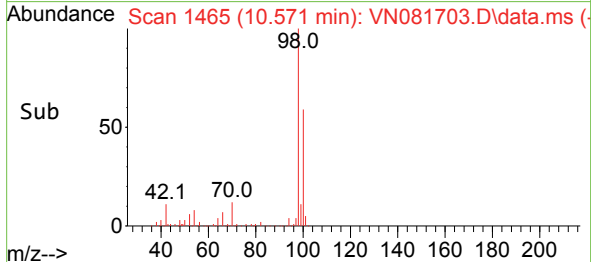
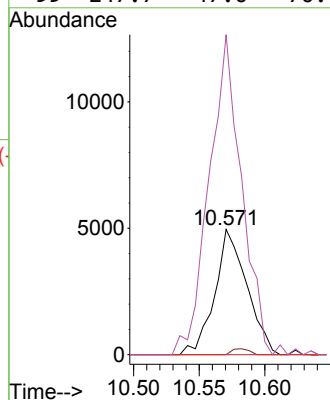
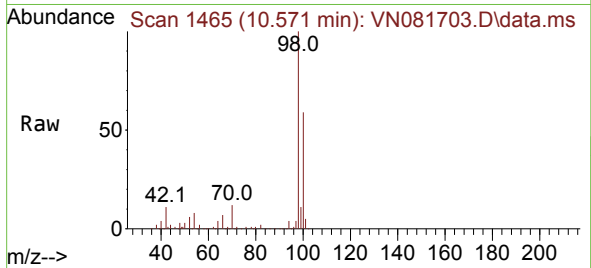




#50
1,1,2-Trichloroethane
Concen: 2.620 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.447 min
Lab File: VN081703.D
Acq: 11 Apr 2024 17:49

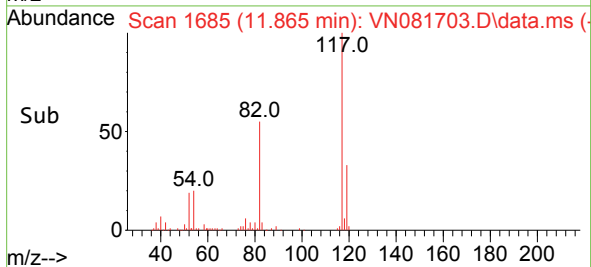
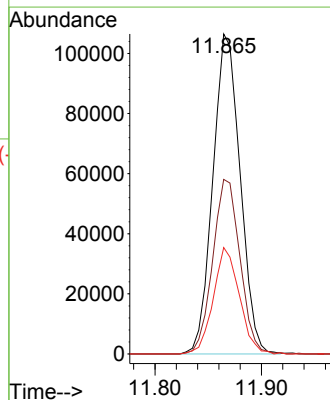
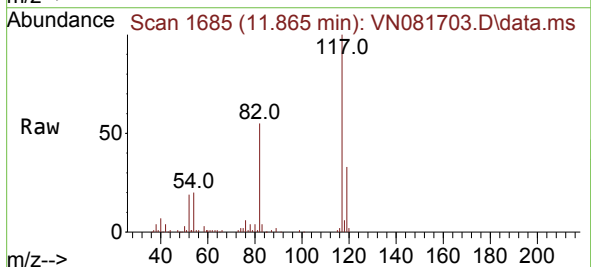
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IBLK

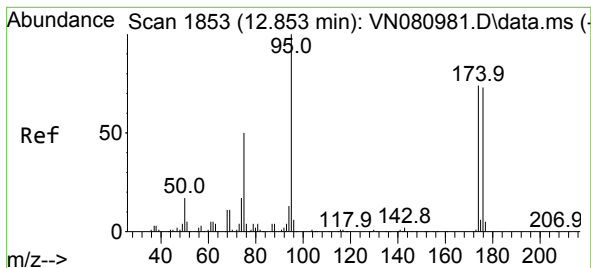
Tgt Ion: 97	Resp:	8446
Ion Ratio	Lower	Upper
97	100	
83	0.0	68.1 102.1#
85	0.0	41.8 62.6#
99	247.7	47.0 70.4#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN081703.D
Acq: 11 Apr 2024 17:49

Tgt Ion: 117	Resp:	189779
Ion Ratio	Lower	Upper
117	100	
82	54.5	46.6 69.8
119	31.7	25.4 38.2

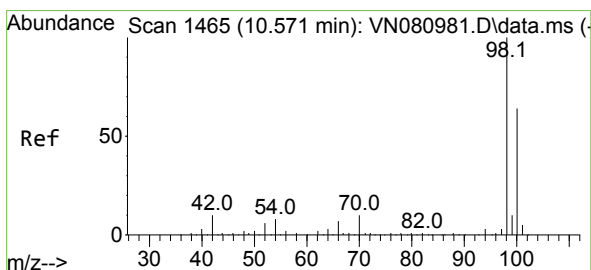
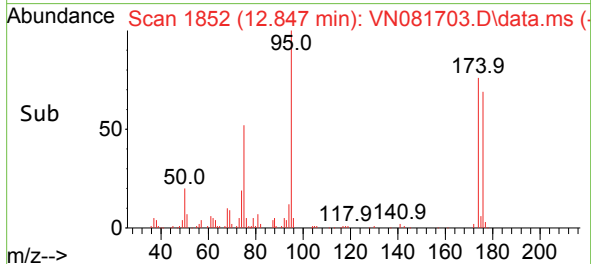
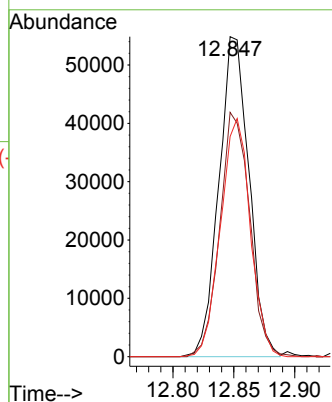
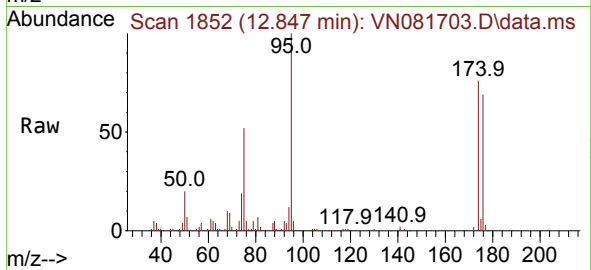




#60
4-Bromofluorobenzene
Concen: 25.315 ug/l
RT: 12.847 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN081703.D
Acq: 11 Apr 2024 17:49

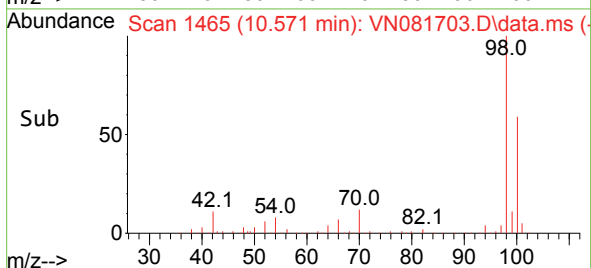
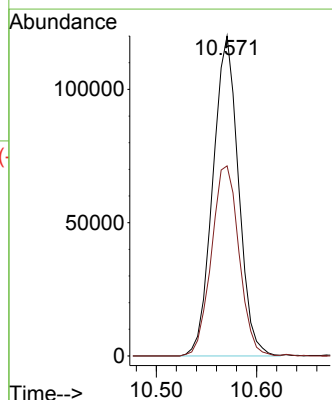
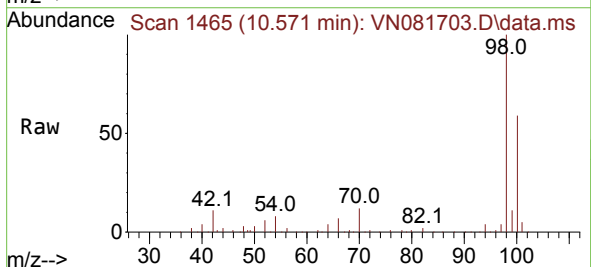
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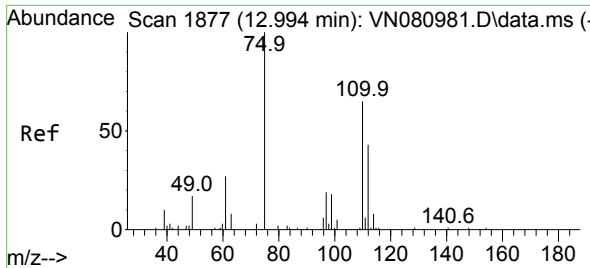
Tgt Ion: 95 Resp: 94452
Ion Ratio Lower Upper
95 100
174 75.8 60.5 90.7
176 73.9 57.8 86.6



#63
Toluene-d8
Concen: 28.003 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN081703.D
Acq: 11 Apr 2024 17:49

Tgt Ion: 98 Resp: 213174
Ion Ratio Lower Upper
98 100
100 63.8 52.7 79.1

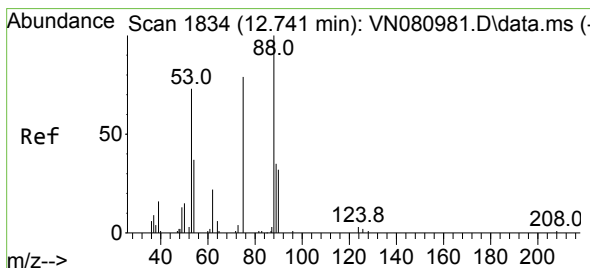
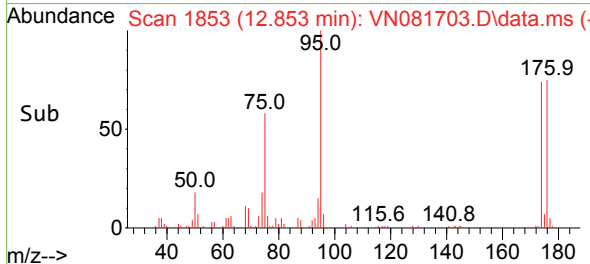
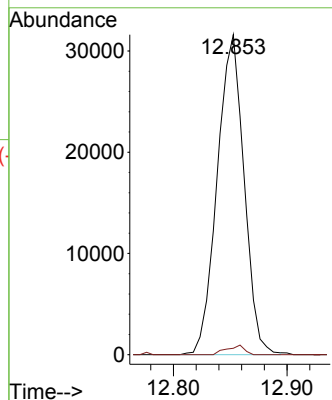
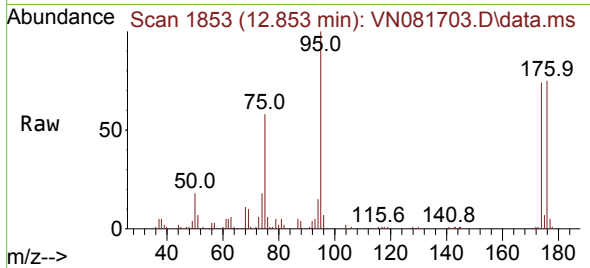




#72
1,2,3-Trichloropropane
Concen: 15.080 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN081703.D
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Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 75 Resp: 51937
Ion Ratio Lower Upper
75 100
77 2.0 0.0 367.6



#77
t-1,4-Dichloro-2-butene
Concen: 36.414 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN081703.D
Acq: 11 Apr 2024 17:49

Tgt Ion: 75 Resp: 51937
Ion Ratio Lower Upper
75 100
53 1.0 45.9 137.7#
89 0.0 25.9 77.7#

