

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081123\
 Data File : VN078865.D
 Acq On : 11 Aug 2023 16:03
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Aug 12 01:42:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 09 05:05:47 2023
 Response via : Initial Calibration

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

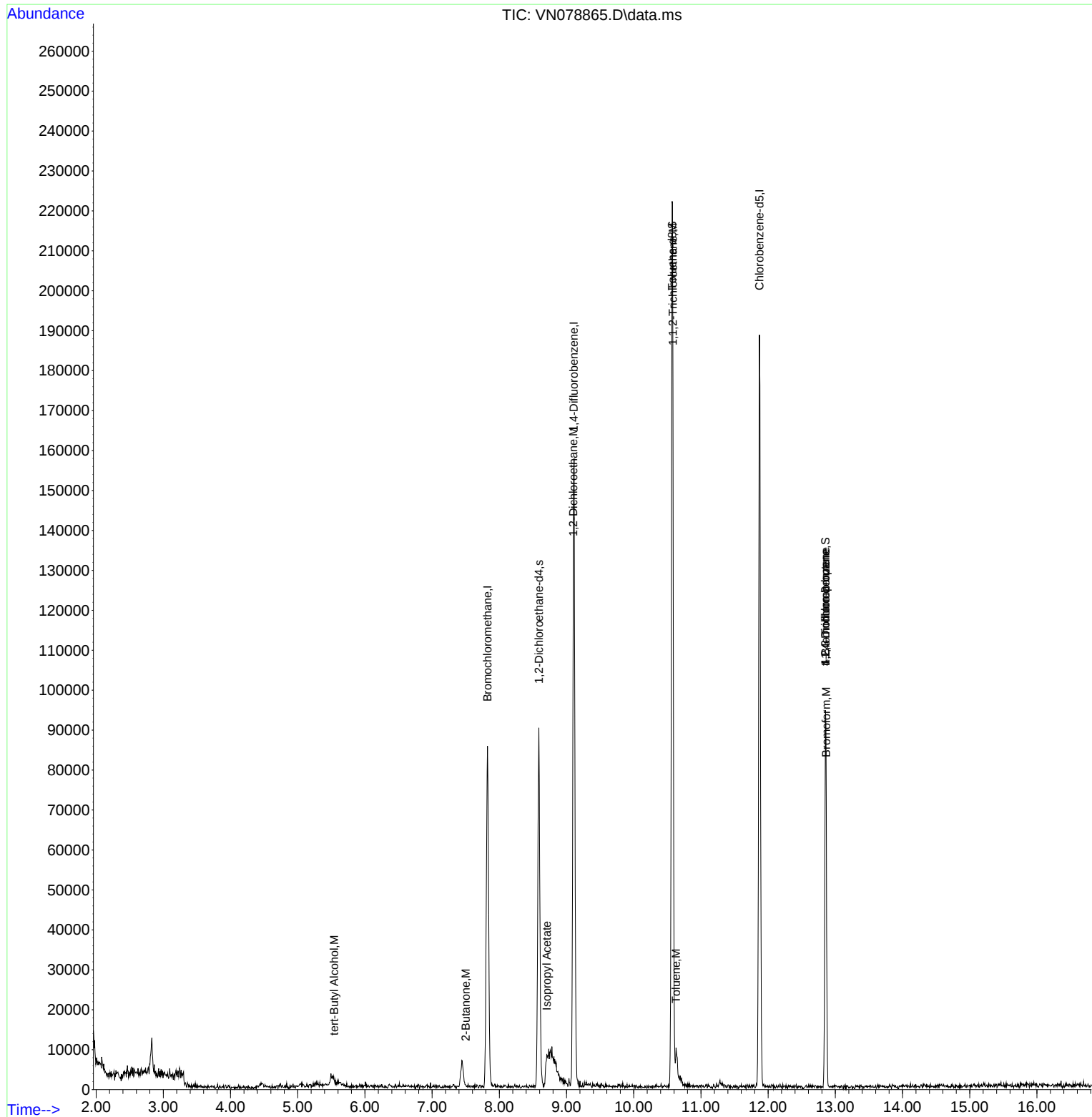
Internal Standards						
1) Bromochloromethane	7.824	128	25627	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	125068	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	103147	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.589	65	65895	31.938	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 106.467%	
60) 4-Bromofluorobenzene	12.853	95	31039	21.438	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 71.467%	
63) Toluene-d8	10.571	98	151635	30.000	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 100.000%	
Target Compounds						
					Qvalue	
23) tert-Butyl Alcohol	5.542	59	127	0.418	ug/l #	100
30) 2-Butanone	7.500	43	205	0.206	ug/l #	52
36) 1,2-Dichloroethane	9.100	62	2688	1.244	ug/l #	75
44) Isopropyl Acetate	8.706	43	4308	1.160	ug/l	100
50) 1,1,2-Trichloroethane	10.583	97	6109	4.128	ug/l #	1
56) Bromoform	12.865	173	518	0.536	ug/l #	1
62) Toluene	10.630	91	6271	1.033	ug/l #	83
72) 1,2,3-Trichloropropane	12.853	75	17764	10.563	ug/l	1
77) t-1,4-Dichloro-2-butene	12.853	75	17764	33.652	ug/l #	15

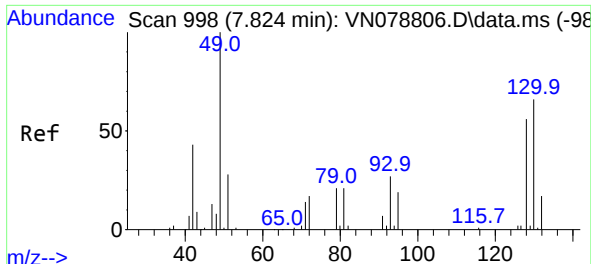
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 09 05:05:47 2023
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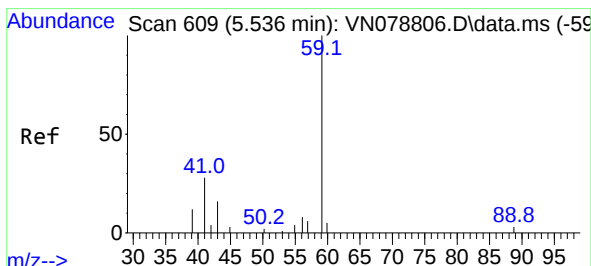
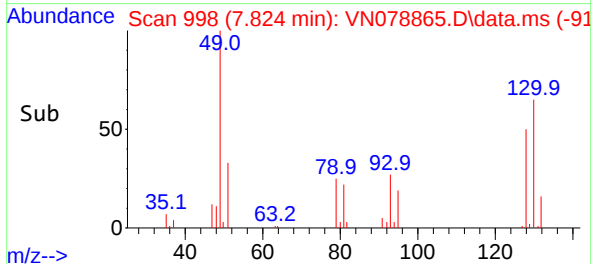
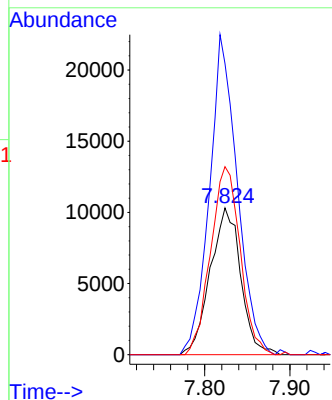
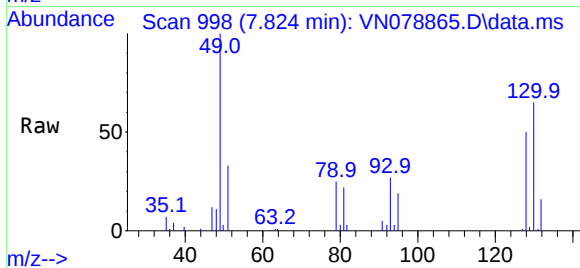




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN078865.D
Acq: 11 Aug 2023 16:03

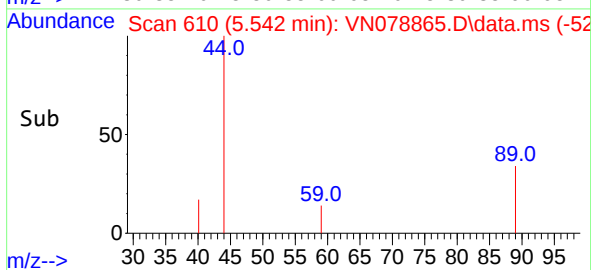
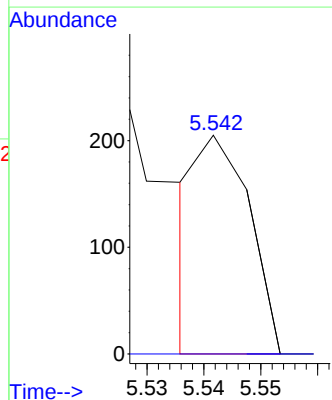
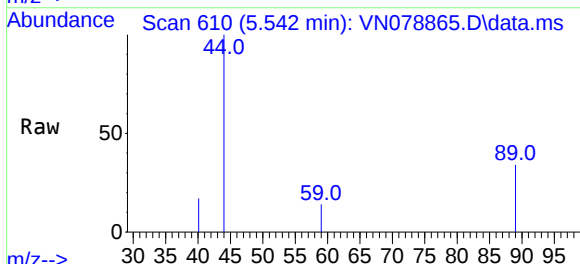
Instrument :
MSVOA_N
ClientSampleId :
IBLK

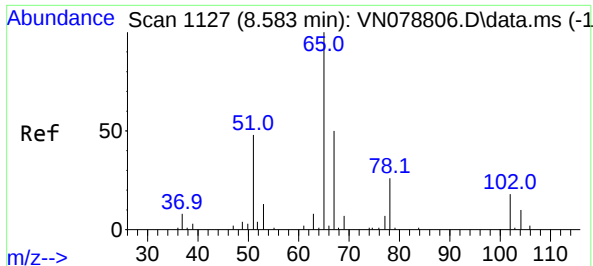
Tgt Ion:128 Resp: 25627
Ion Ratio Lower Upper
128 100
49 199.0 0.0 370.8
130 124.6 0.0 307.0



#23
tert-Butyl Alcohol
Concen: 0.418 ug/l
RT: 5.542 min Scan# 610
Delta R.T. 0.006 min
Lab File: VN078865.D
Acq: 11 Aug 2023 16:03

Tgt Ion: 59 Resp: 127
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1#

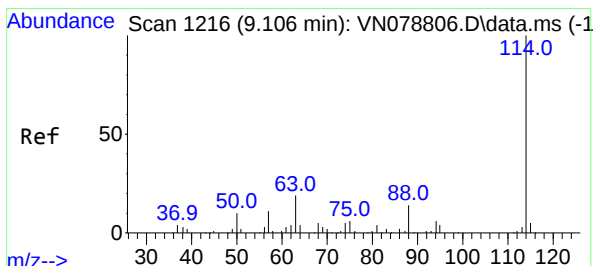
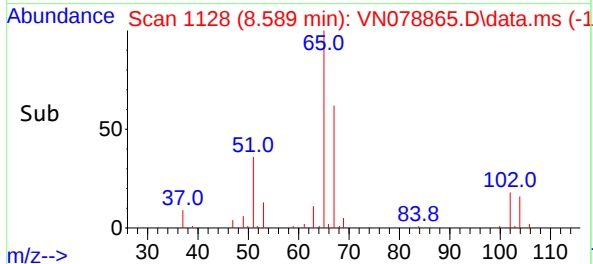
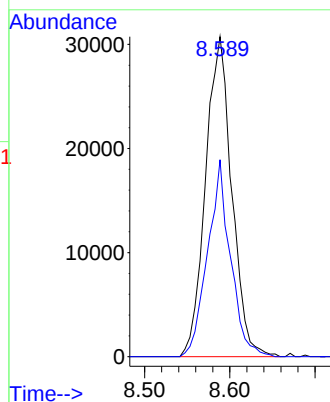
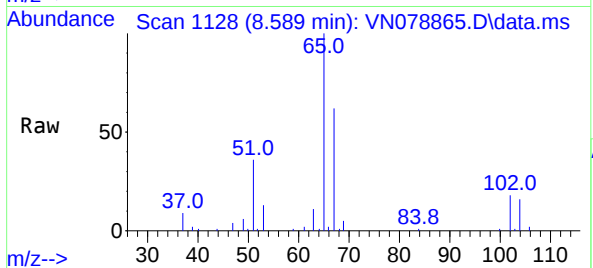




#27
1,2-Dichloroethane-d4
Concen: 31.938 ug/l
RT: 8.589 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN078865.D
Acq: 11 Aug 2023 16:03

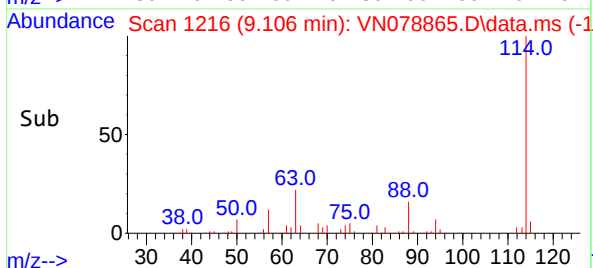
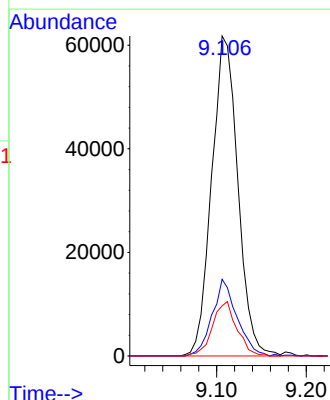
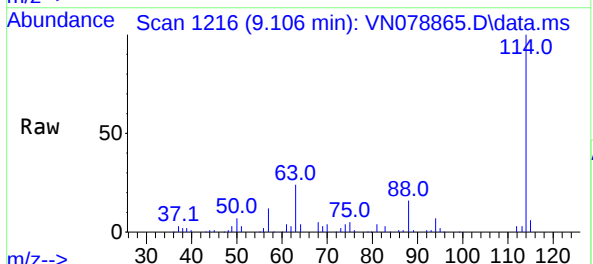
Instrument :
MSVOA_N
ClientSampleId :
IBLK

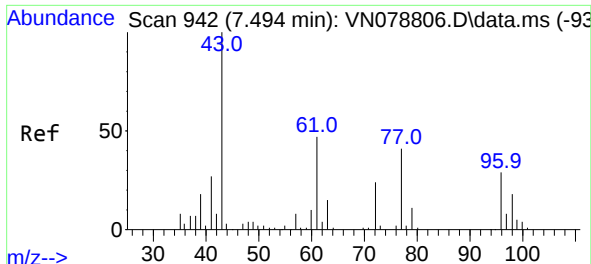
Tgt Ion: 65 Resp: 65895
Ion Ratio Lower Upper
65 100
67 53.6 42.9 64.3



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN078865.D
Acq: 11 Aug 2023 16:03

Tgt Ion: 114 Resp: 125068
Ion Ratio Lower Upper
114 100
63 22.6 15.2 22.8
88 15.8 12.5 18.7





#30

2-Butanone

Concen: 0.206 ug/l

RT: 7.500 min Scan# 94

Delta R.T. 0.006 min

Lab File: VN078865.D

Acq: 11 Aug 2023 16:03

Instrument :

MSVOA_N

ClientSampleId :

IBLK

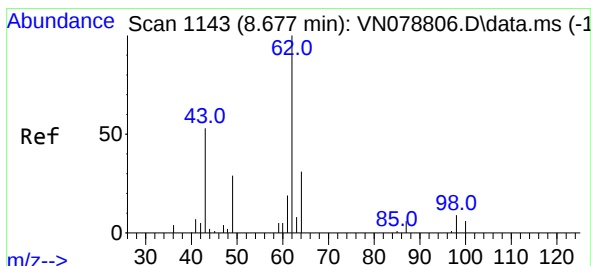
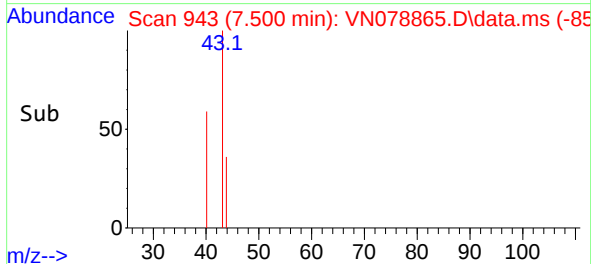
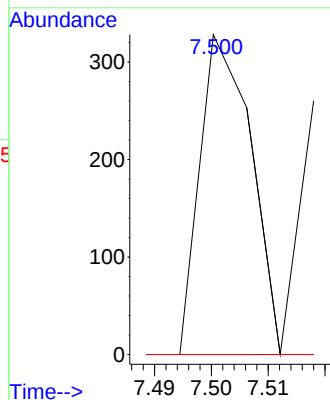
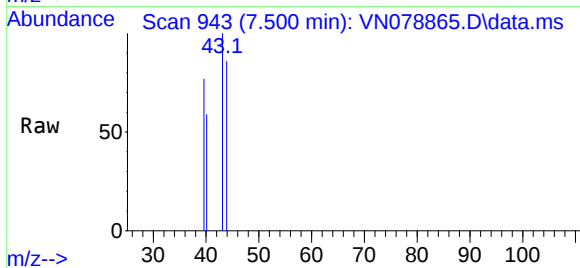
Tgt Ion: 43 Resp: 205

Ion Ratio Lower Upper

43 100

57 0.0 6.8 10.2#

72 0.0 23.8 35.6#



#36

1,2-Dichloroethane

Concen: 1.244 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.423 min

Lab File: VN078865.D

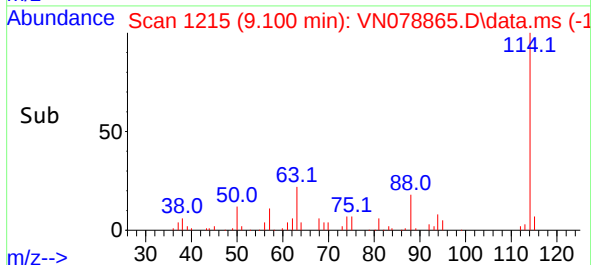
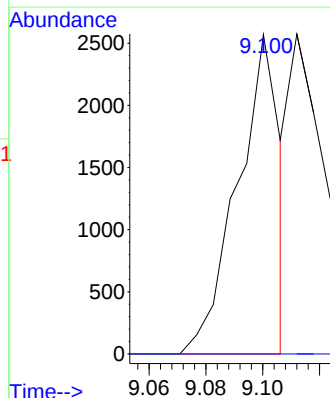
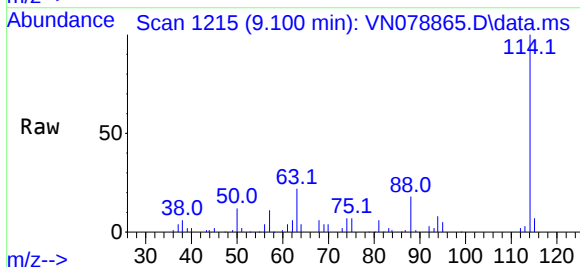
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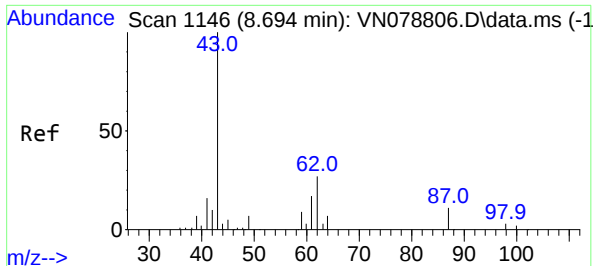
Tgt Ion: 62 Resp: 2688

Ion Ratio Lower Upper

62 100

98 0.0 7.4 11.0#

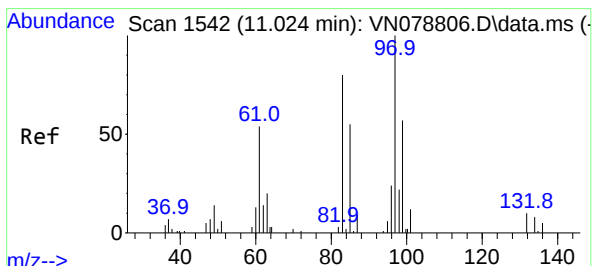
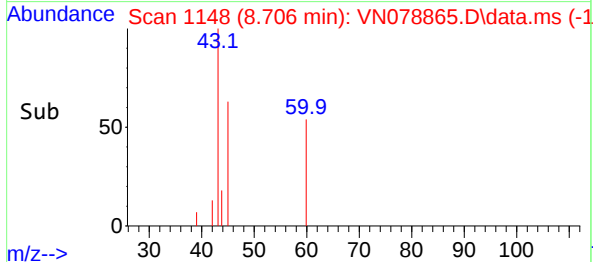
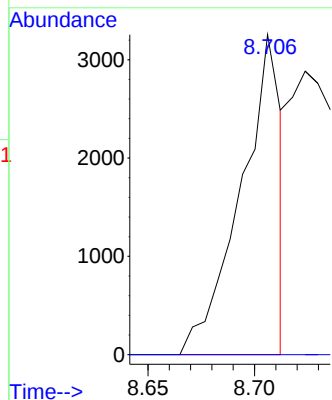
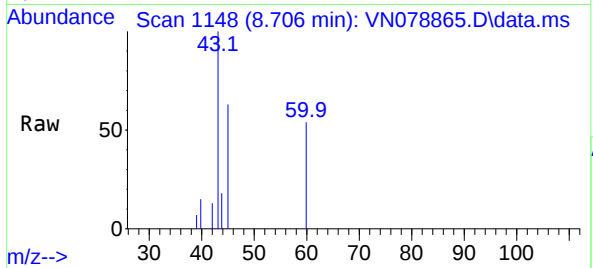




#44
Isopropyl Acetate
Concen: 1.160 ug/l
RT: 8.706 min Scan# 1146
Delta R.T. 0.012 min
Lab File: VN078865.D
Acq: 11 Aug 2023 16:03

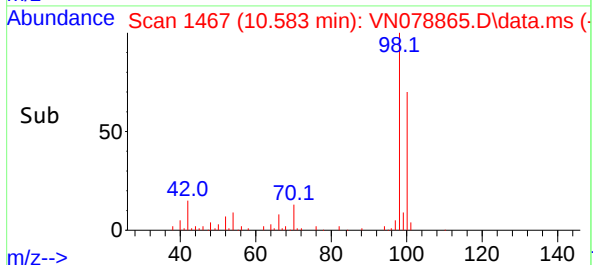
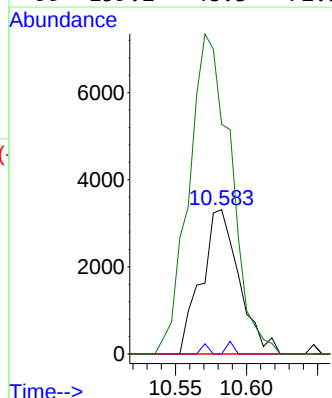
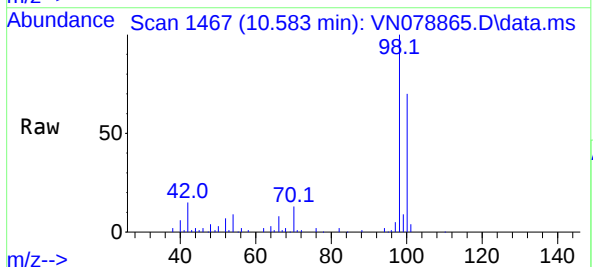
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ClientSampleId :
IBLK

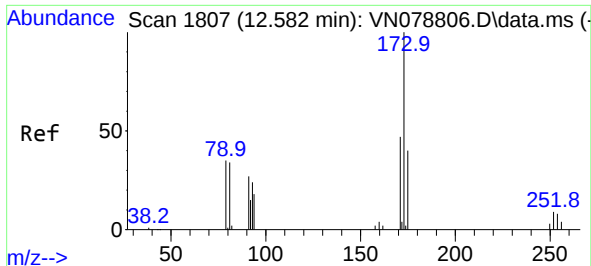
Tgt Ion: 43 Resp: 4308
Ion Ratio Lower Upper
43 100
61 28.6 23.0 34.6



#50
1,1,2-Trichloroethane
Concen: 4.128 ug/l
RT: 10.583 min Scan# 1467
Delta R.T. -0.441 min
Lab File: VN078865.D
Acq: 11 Aug 2023 16:03

Tgt Ion: 97 Resp: 6109
Ion Ratio Lower Upper
97 100
83 0.0 66.8 100.2#
85 0.0 42.5 63.7#
99 159.2 48.3 72.5#

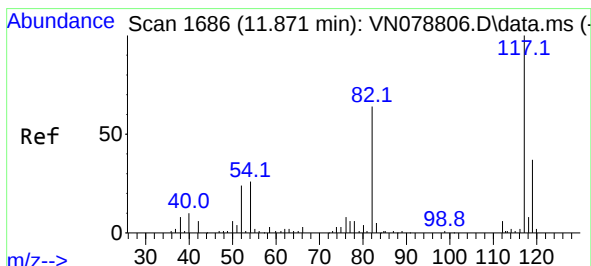
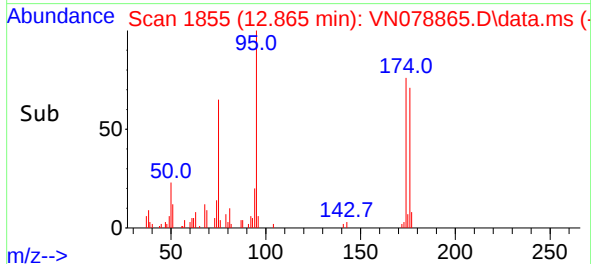
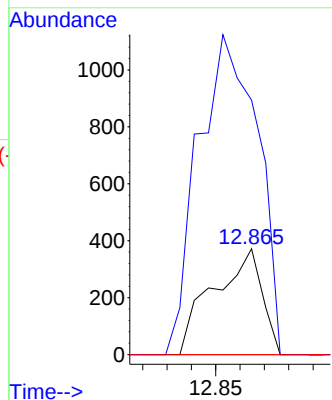
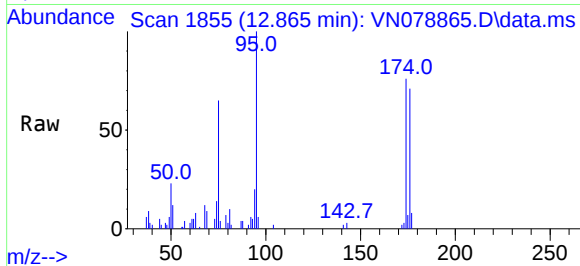




#56
Bromoform
Concen: 0.536 ug/l
RT: 12.865 min Scan# 1855
Delta R.T. 0.282 min
Lab File: VN078865.D
Acq: 11 Aug 2023 16:03

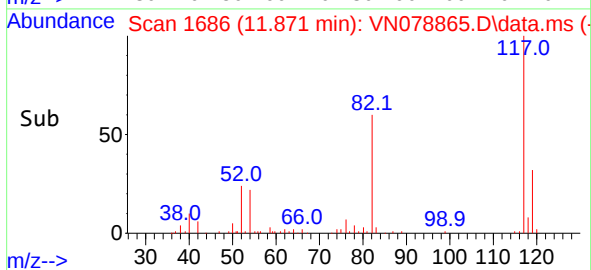
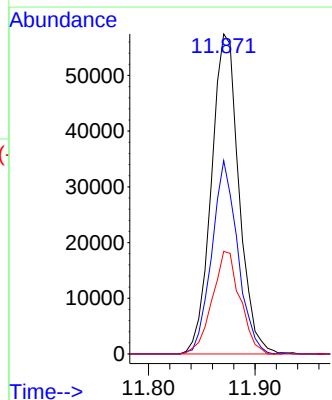
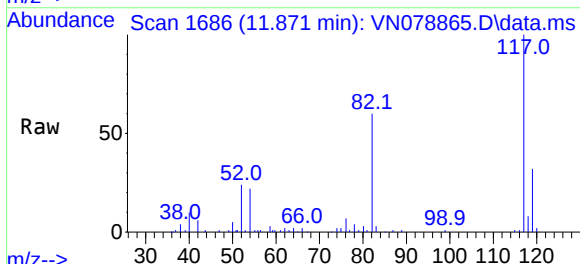
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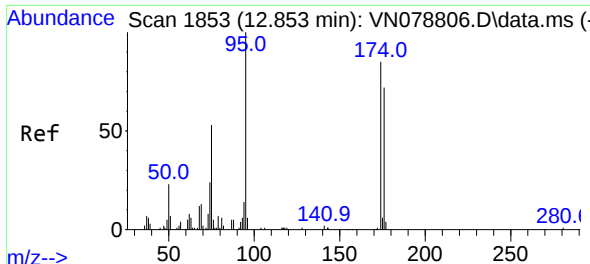
Tgt Ion:173 Resp: 518
Ion Ratio Lower Upper
173 100
175 366.6 40.7 61.1#
254 0.0 6.5 9.7#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN078865.D
Acq: 11 Aug 2023 16:03

Tgt Ion:117 Resp: 103147
Ion Ratio Lower Upper
117 100
82 56.8 43.9 65.9
119 32.5 26.2 39.4

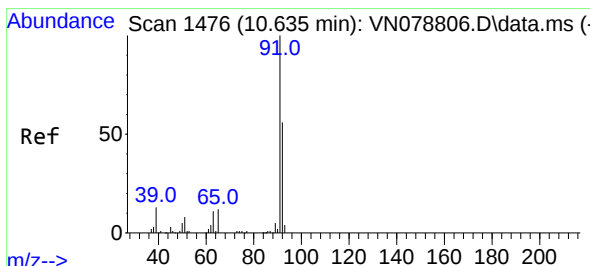
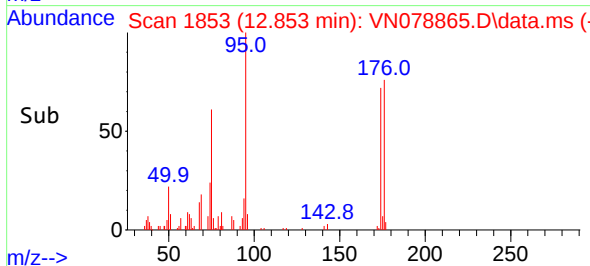
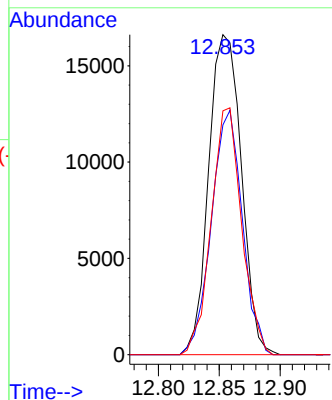
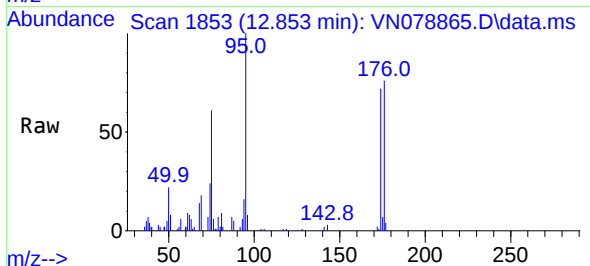




#60
4-Bromofluorobenzene
Concen: 21.438 ug/l
RT: 12.853 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN078865.D
Acq: 11 Aug 2023 16:03

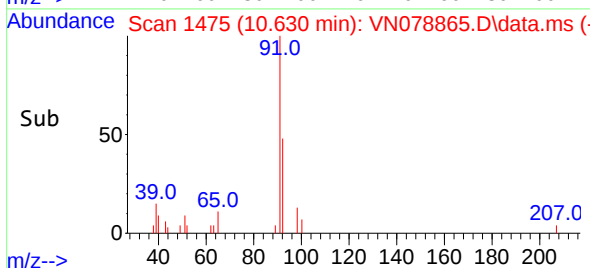
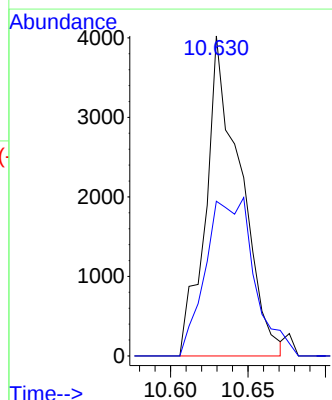
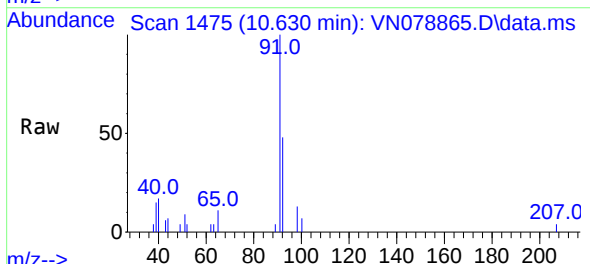
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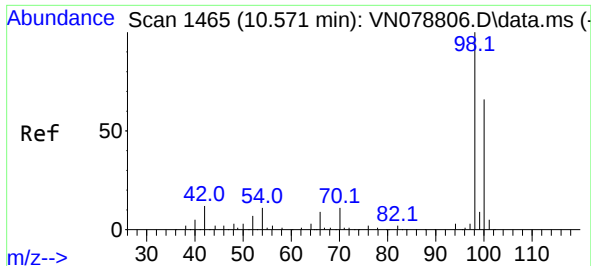
Tgt Ion: 95 Resp: 31039
Ion Ratio Lower Upper
95 100
174 72.2 61.7 92.5
176 71.9 58.1 87.1



#62
Toluene
Concen: 1.033 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN078865.D
Acq: 11 Aug 2023 16:03

Tgt Ion: 91 Resp: 6271
Ion Ratio Lower Upper
91 100
92 44.0 45.2 67.8#

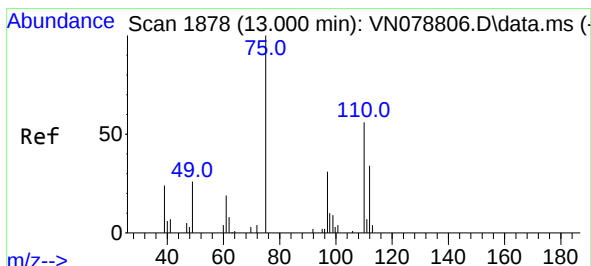
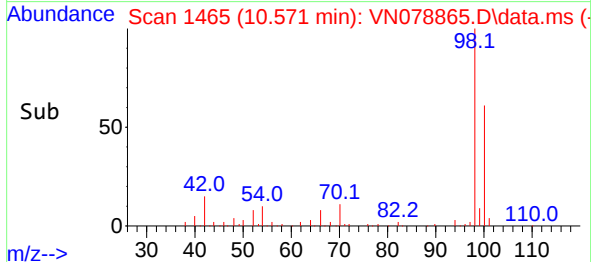
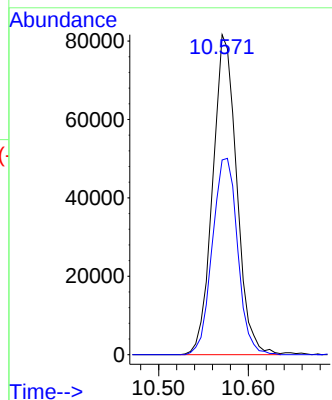
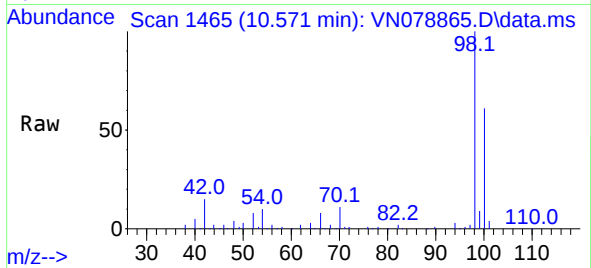




#63
Toluene-d8
Concen: 30.000 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078865.D
Acq: 11 Aug 2023 16:03

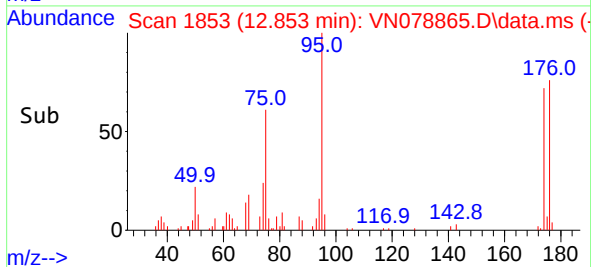
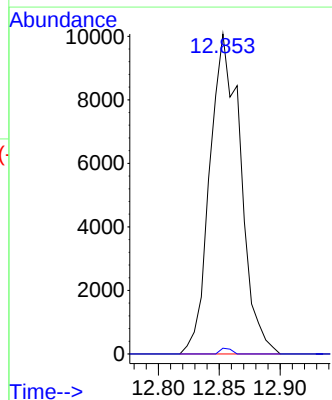
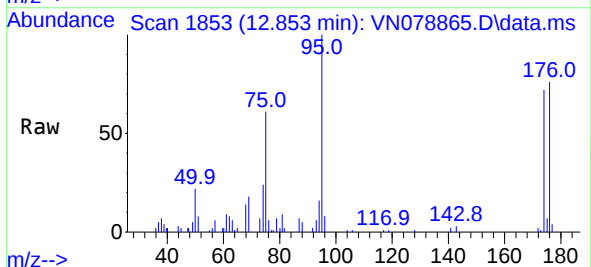
Instrument :
MSVOA_N
ClientSampleId :
IBLK

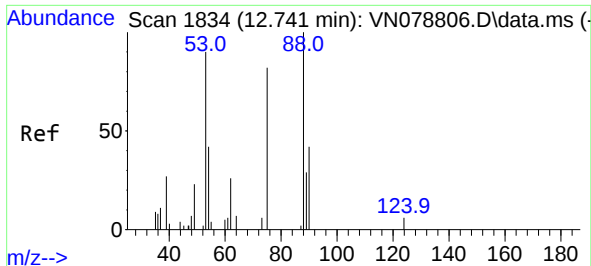
Tgt Ion: 98 Resp: 151635
Ion Ratio Lower Upper
98 100
100 64.6 49.7 74.5



#72
1,2,3-Trichloropropane
Concen: 10.563 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078865.D
Acq: 11 Aug 2023 16:03

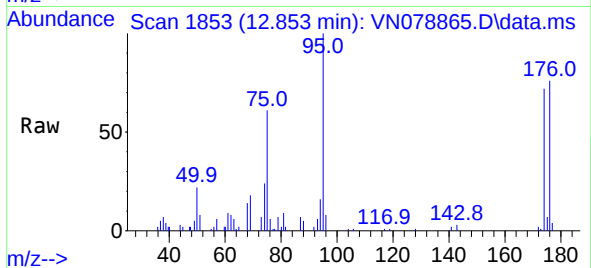
Tgt Ion: 75 Resp: 17764
Ion Ratio Lower Upper
75 100
77 0.7 0.0 387.4





#77
t-1,4-Dichloro-2-butene
Concen: 33.652 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN078865.D
Acq: 11 Aug 2023 16:03

Instrument :
MSVOA_N
ClientSampleId :
IBLK



Tgt Ion: 75 Resp: 17764
Ion Ratio Lower Upper
75 100
53 0.0 41.6 124.9#
89 0.0 25.1 75.4#

