

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081123\
 Data File : VN078857.D
 Acq On : 11 Aug 2023 11:32
 Operator : JC\MD
 Sample : 03960-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 230809056-01-TRIP-BLANK

Quant Time: Aug 12 01:39:48 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)

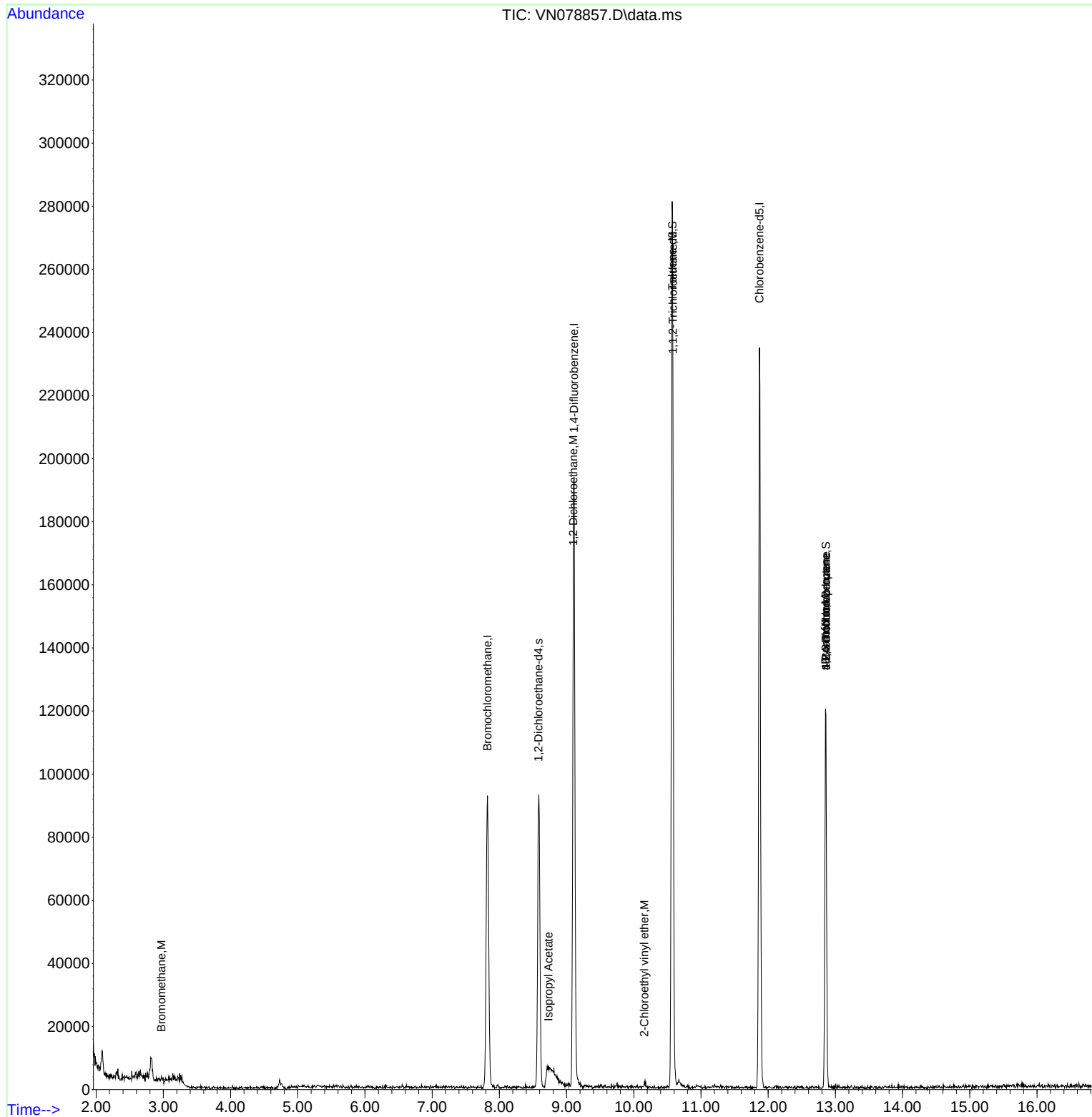
Internal Standards						
1) Bromochloromethane	7.824	128	31127	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.112	114	157617	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	133313	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	74924	29.898	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.667%		
60) 4-Bromofluorobenzene	12.859	95	39595	21.159	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	70.533%		
63) Toluene-d8	10.576	98	199205	30.493	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	101.633%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.971	94	412	0.233	ug/l #	69
36) 1,2-Dichloroethane	9.100	62	3380	1.241	ug/l #	75
44) Isopropyl Acetate	8.730	43	3197	0.683	ug/l #	46
50) 1,1,2-Trichloroethane	10.582	97	4781	2.563	ug/l #	11
55) 2-Chloroethyl vinyl ether	10.159	63	293	0.304	ug/l #	43
56) Bromoform	12.853	173	277	0.227	ug/l #	1
72) 1,2,3-Trichloropropane	12.859	75	22073	10.155	ug/l	1
77) t-1,4-Dichloro-2-butene	12.859	75	22073	32.353	ug/l #	15

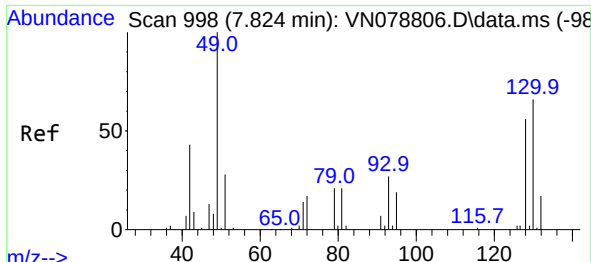
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
ClientSampleId :
230809056-01-TRIP-BLANK

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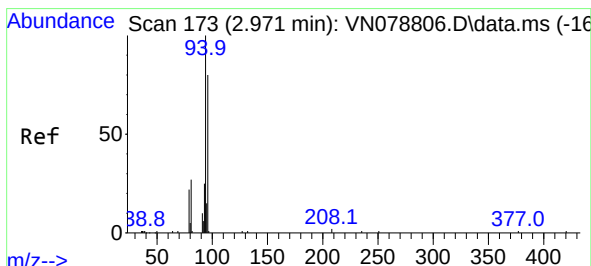
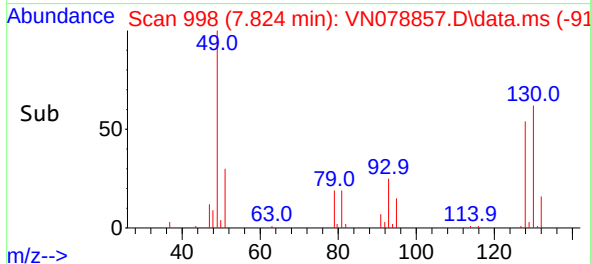
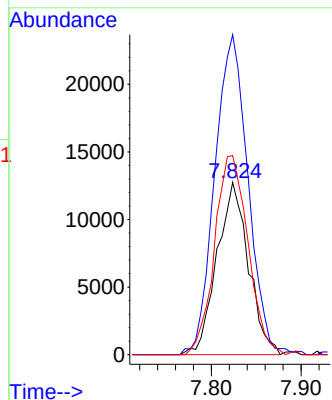
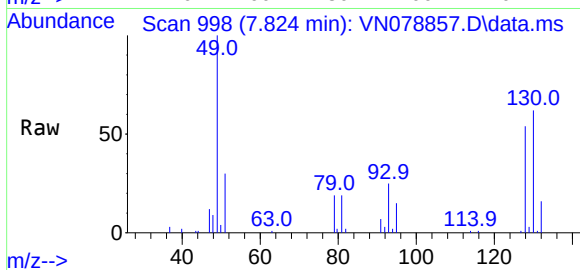




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN078857.D
Acq: 11 Aug 2023 11:32

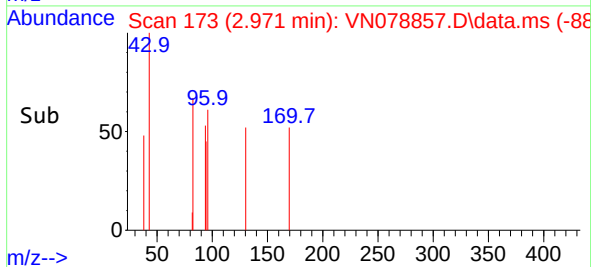
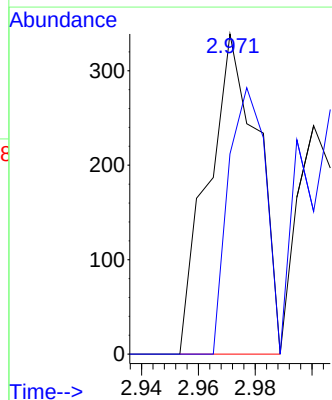
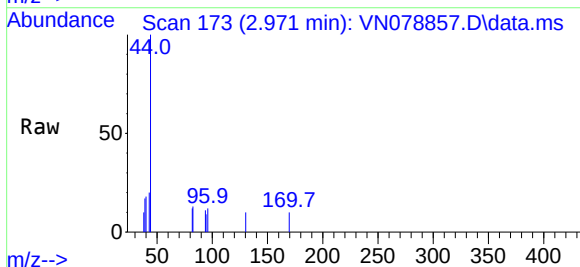
Instrument :
MSVOA_N
ClientSampleId :
230809056-01-TRIP-BLANK

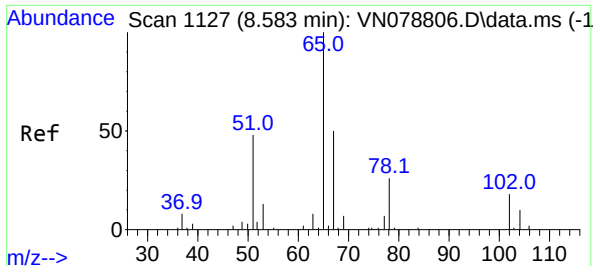
Tgt Ion:	128	Resp:	31127
Ion	Ratio	Lower	Upper
128	100		
49	194.6	0.0	370.8
130	122.5	0.0	307.0



#5
Bromomethane
Concen: 0.233 ug/l
RT: 2.971 min Scan# 173
Delta R.T. -0.000 min
Lab File: VN078857.D
Acq: 11 Aug 2023 11:32

Tgt Ion:	94	Resp:	412
Ion	Ratio	Lower	Upper
94	100		
96	62.5	73.9	110.9





#27

1,2-Dichloroethane-d4

Concen: 29.898 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN078857.D

Acq: 11 Aug 2023 11:32

Instrument :

MSVOA_N

ClientSampleId :

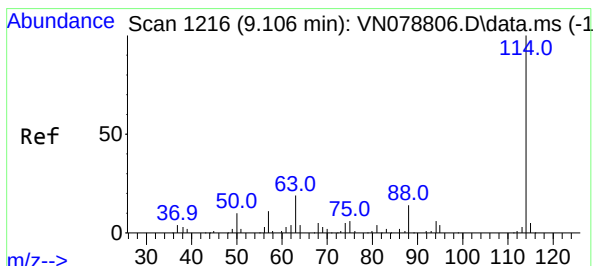
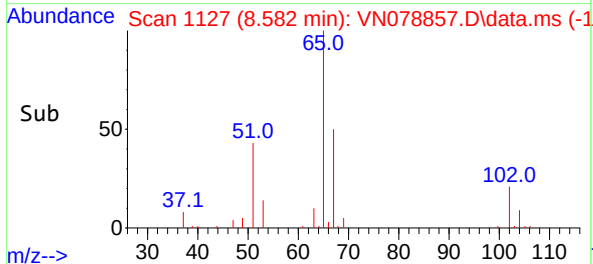
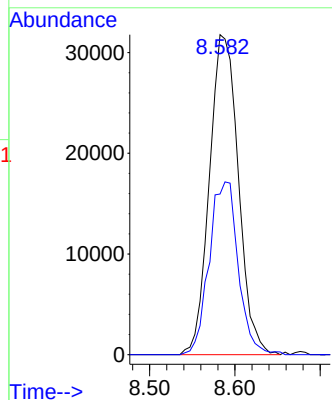
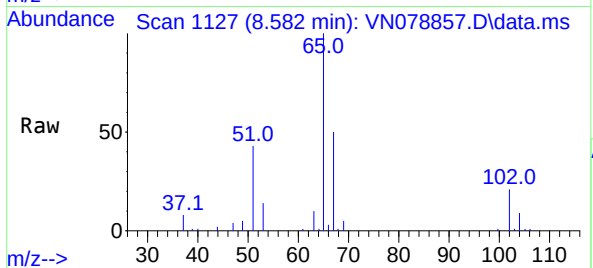
230809056-01-TRIP-BLANK

Tgt Ion: 65 Resp: 74924

Ion Ratio Lower Upper

65 100

67 54.0 42.9 64.3



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.112 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VN078857.D

Acq: 11 Aug 2023 11:32

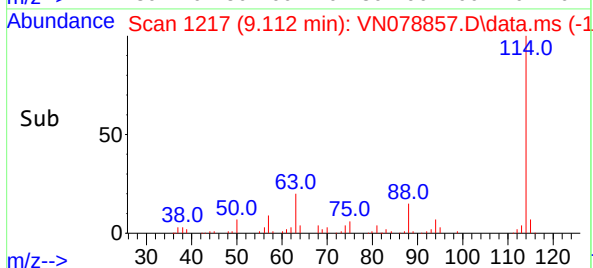
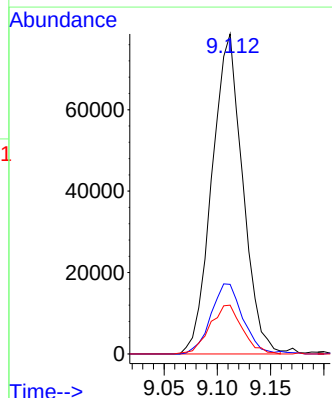
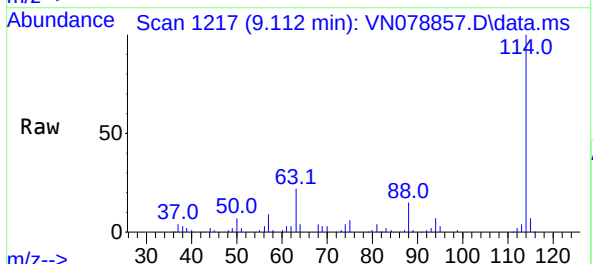
Tgt Ion: 114 Resp: 157617

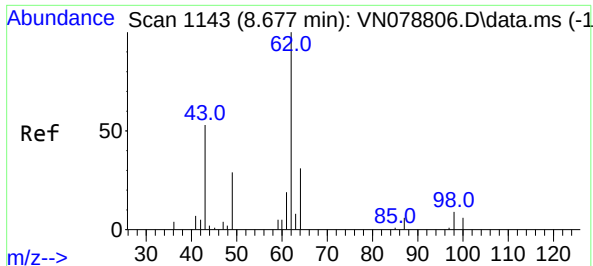
Ion Ratio Lower Upper

114 100

63 22.6 15.2 22.8

88 16.1 12.5 18.7

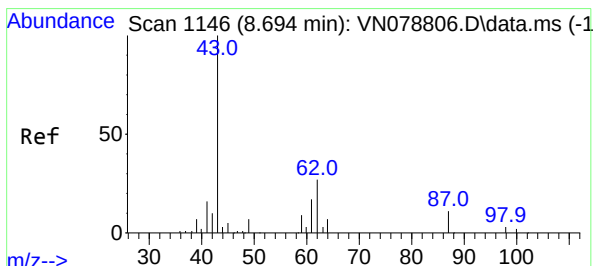
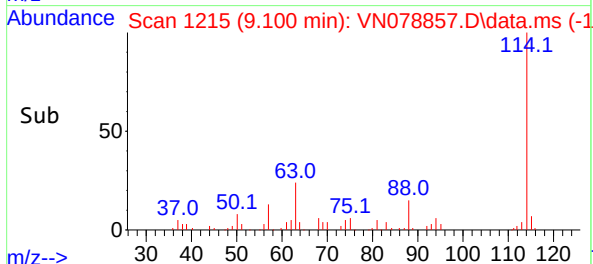
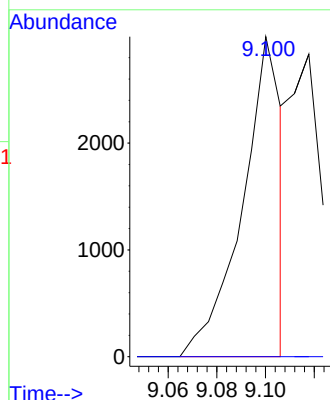
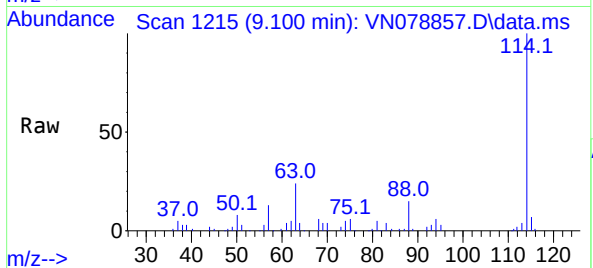




#36
1,2-Dichloroethane
Concen: 1.241 ug/l
RT: 9.100 min Scan# 1152
Delta R.T. 0.423 min
Lab File: VN078857.D
Acq: 11 Aug 2023 11:32

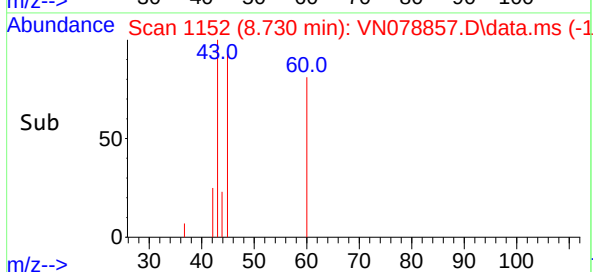
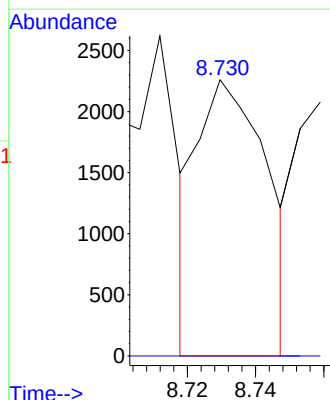
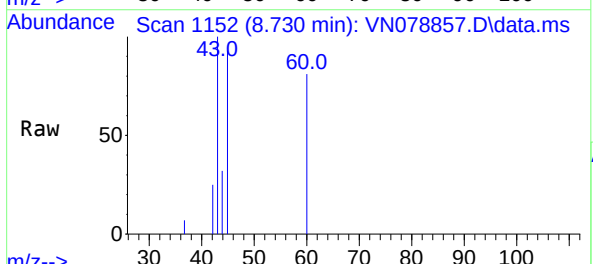
Instrument :
MSVOA_N
ClientSampleId :
230809056-01-TRIP-BLANK

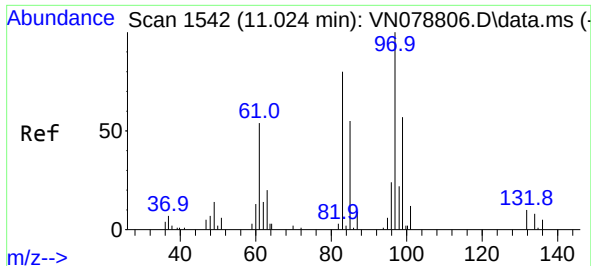
Tgt Ion: 62 Resp: 3380
Ion Ratio Lower Upper
62 100
98 0.0 7.4 11.0#



#44
Isopropyl Acetate
Concen: 0.683 ug/l
RT: 8.730 min Scan# 1152
Delta R.T. 0.035 min
Lab File: VN078857.D
Acq: 11 Aug 2023 11:32

Tgt Ion: 43 Resp: 3197
Ion Ratio Lower Upper
43 100
61 0.0 23.0 34.6#





#50

1,1,2-Trichloroethane

Concen: 2.563 ug/l

RT: 10.582 min Scan# 1467

Delta R.T. -0.441 min

Lab File: VN078857.D

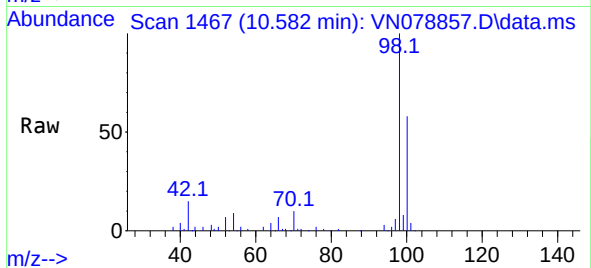
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Instrument :

MSVOA_N

ClientSampleId :

230809056-01-TRIP-BLANK



Tgt Ion: 97 Resp: 4781

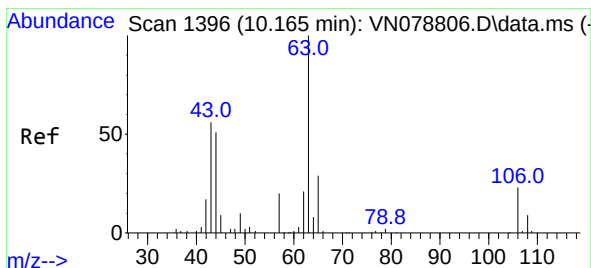
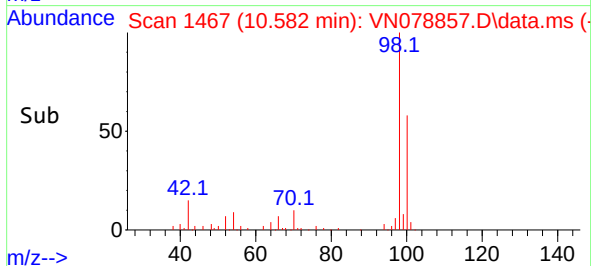
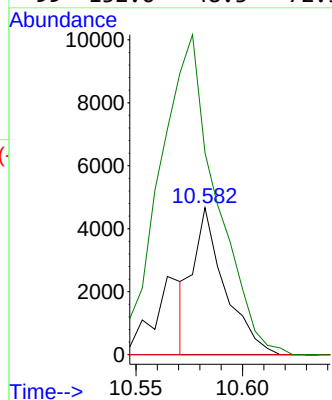
Ion Ratio Lower Upper

97 100

83 0.0 66.8 100.2#

85 0.0 42.5 63.7#

99 132.6 48.3 72.5#



#55

2-Chloroethyl vinyl ether

Concen: 0.304 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. -0.006 min

Lab File: VN078857.D

Acq: 11 Aug 2023 11:32

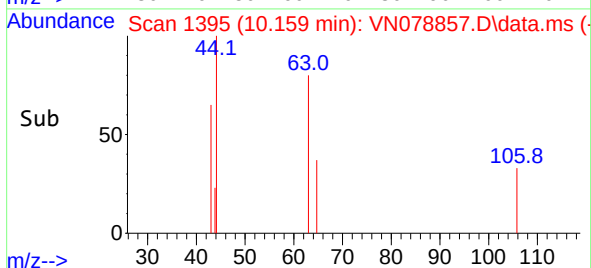
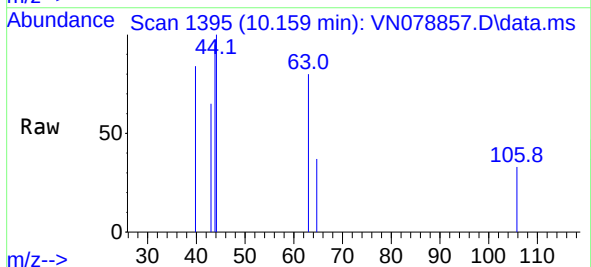
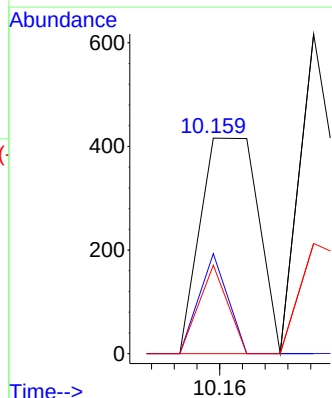
Tgt Ion: 63 Resp: 293

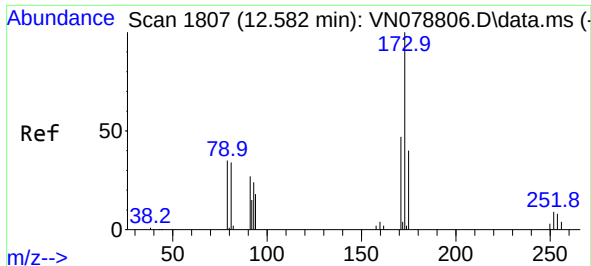
Ion Ratio Lower Upper

63 100

65 0.0 26.3 39.5#

106 0.0 23.8 35.6#

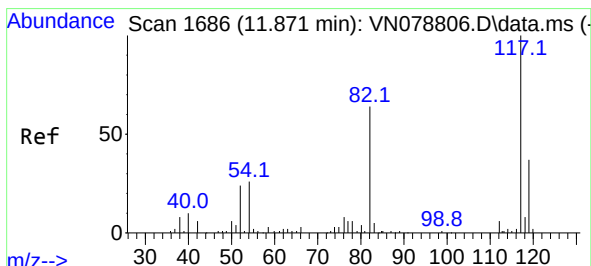
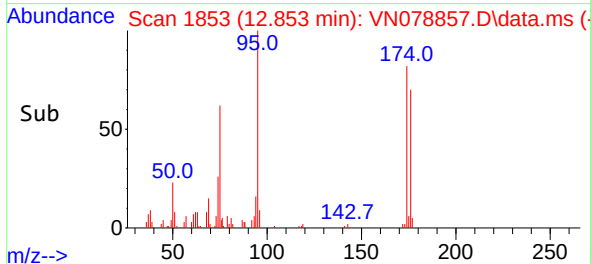
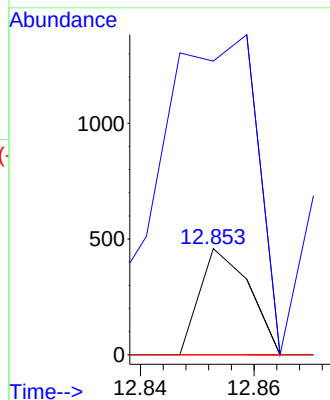
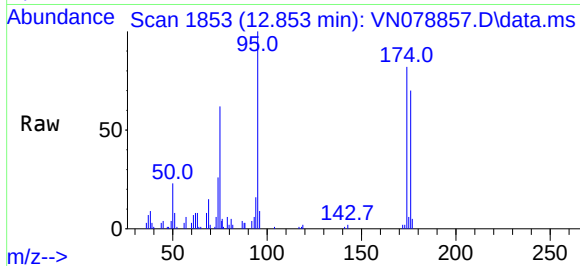




#56
Bromoform
Concen: 0.227 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.270 min
Lab File: VN078857.D
Acq: 11 Aug 2023 11:32

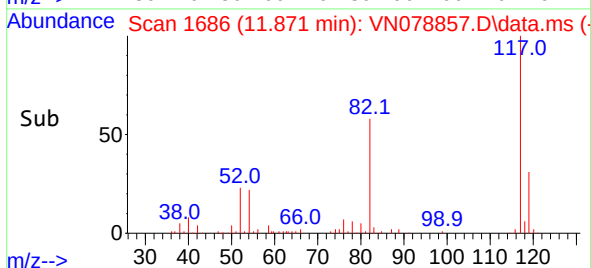
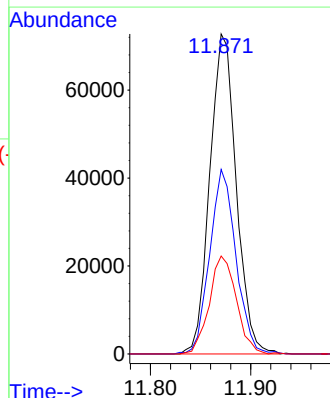
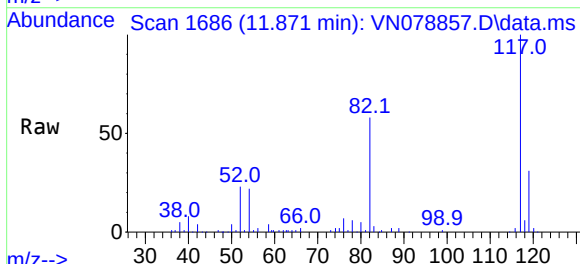
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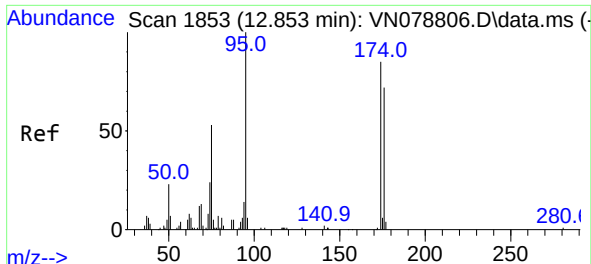
Tgt Ion:173 Resp: 277
Ion Ratio Lower Upper
173 100
175 605.1 40.7 61.1#
254 0.0 6.5 9.7#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN078857.D
Acq: 11 Aug 2023 11:32

Tgt Ion:117 Resp: 133313
Ion Ratio Lower Upper
117 100
82 57.4 43.9 65.9
119 31.4 26.2 39.4

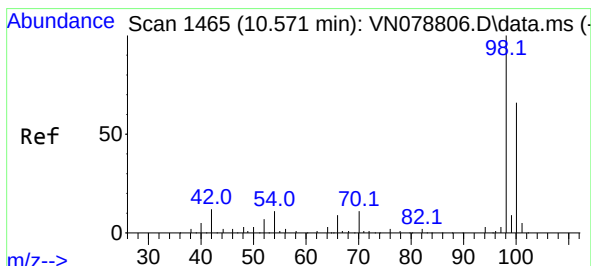
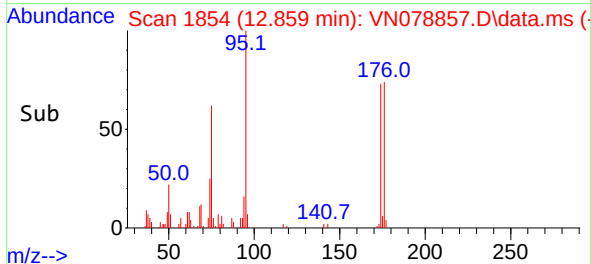
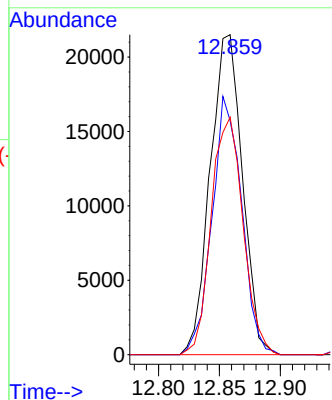
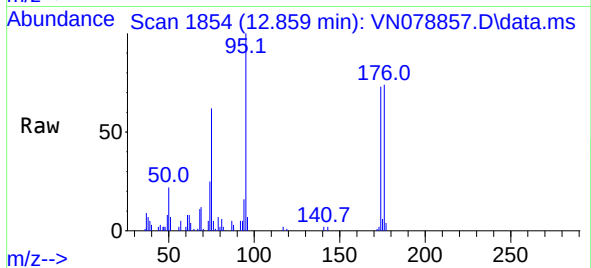




#60
4-Bromofluorobenzene
Concen: 21.159 ug/l
RT: 12.859 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078857.D
Acq: 11 Aug 2023 11:32

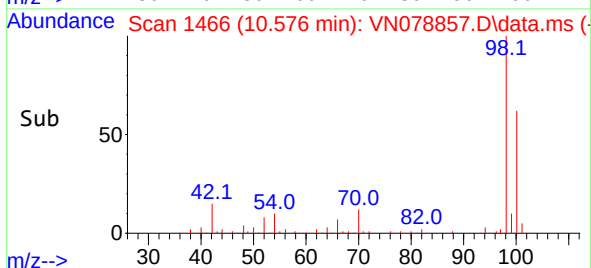
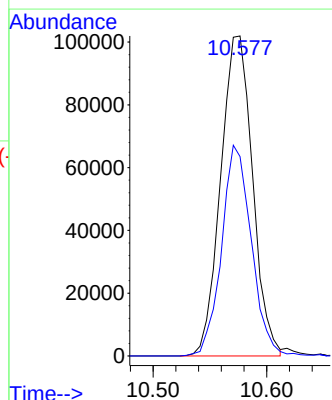
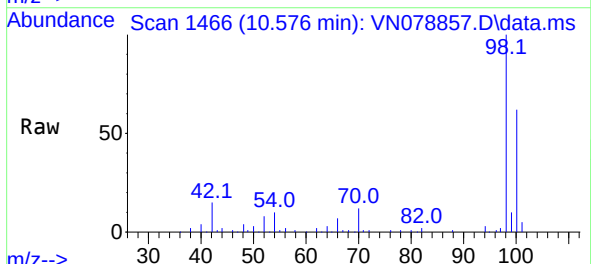
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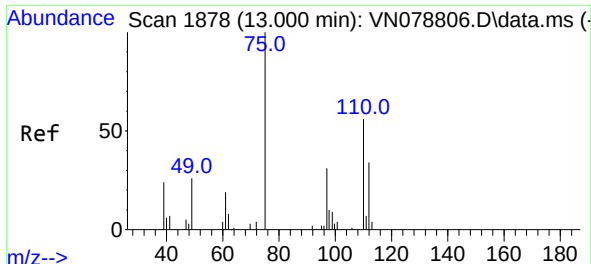
Tgt Ion: 95 Resp: 39595
Ion Ratio Lower Upper
95 100
174 74.1 61.7 92.5
176 73.4 58.1 87.1



#63
Toluene-d8
Concen: 30.493 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VN078857.D
Acq: 11 Aug 2023 11:32

Tgt Ion: 98 Resp: 199205
Ion Ratio Lower Upper
98 100
100 61.4 49.7 74.5

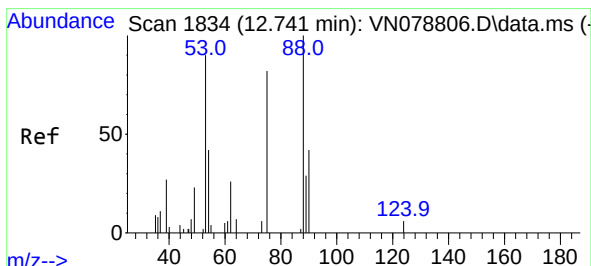
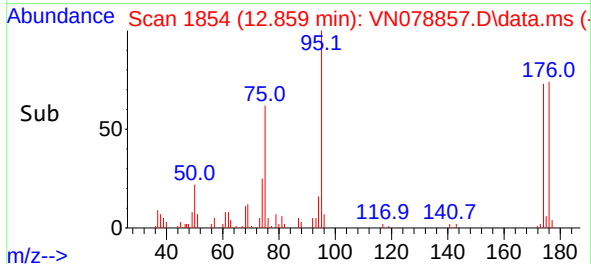
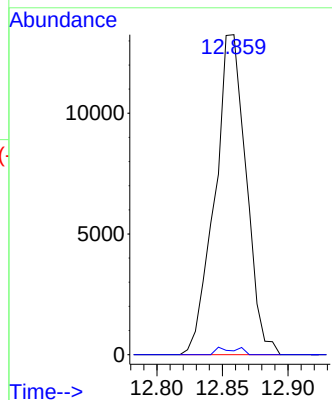
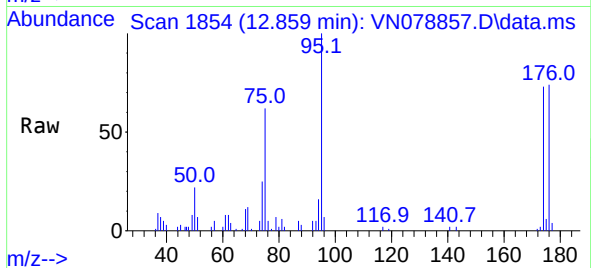




#72
1,2,3-Trichloropropane
Concen: 10.155 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. -0.141 min
Lab File: VN078857.D
Acq: 11 Aug 2023 11:32

Instrument :
MSVOA_N
ClientSampleId :
230809056-01-TRIP-BLANK

Tgt Ion: 75 Resp: 22073
Ion Ratio Lower Upper
75 100
77 0.5 0.0 387.4



#77
t-1,4-Dichloro-2-butene
Concen: 32.353 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.118 min
Lab File: VN078857.D
Acq: 11 Aug 2023 11:32

Tgt Ion: 75 Resp: 22073
Ion Ratio Lower Upper
75 100
53 0.0 41.6 124.9#
89 0.0 25.1 75.4#

