

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081123\
 Data File : VN078859.D
 Acq On : 11 Aug 2023 12:30
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Aug 12 01:40:12 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)

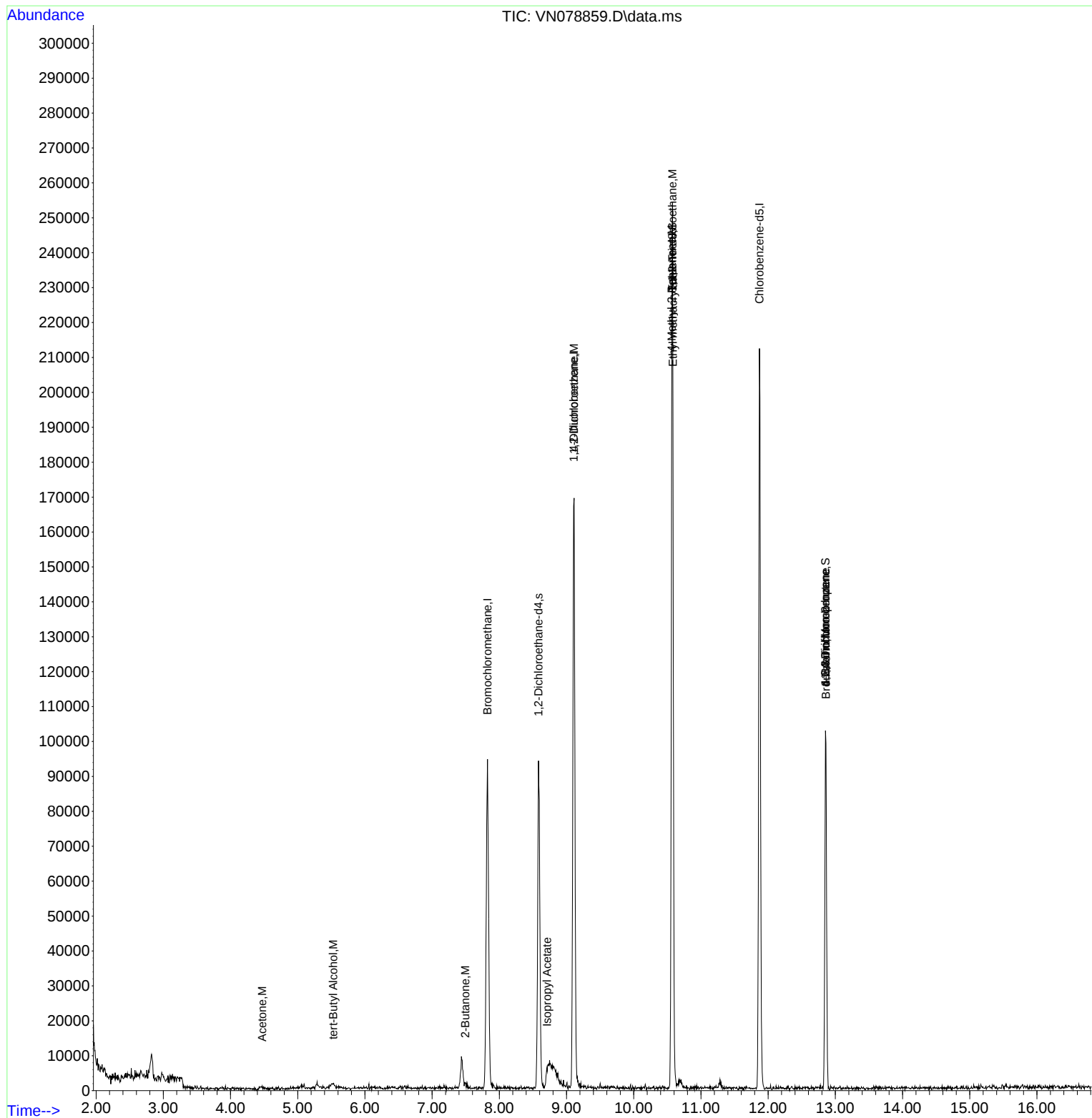
Internal Standards						
1) Bromochloromethane	7.824	128	29749	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	141525	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	119255	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	73923	30.865	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.867%			
60) 4-Bromofluorobenzene	12.853	95	33166	19.813	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 66.033%			
63) Toluene-d8	10.577	98	174274	29.822	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.400%			
Target Compounds						
					Qvalue	
15) Acetone	4.471	58	310	1.268	ug/l #	1
23) tert-Butyl Alcohol	5.530	59	769	2.181	ug/l #	100
30) 2-Butanone	7.494	43	443	0.393	ug/l #	93
36) 1,2-Dichloroethane	9.112	62	5368	2.195	ug/l #	75
44) Isopropyl Acetate	8.712	43	2961	0.705	ug/l #	52
50) 1,1,2-Trichloroethane	10.577	97	6461	3.858	ug/l #	1
51) Ethyl methacrylate	10.582	69	516	0.220	ug/l #	63
56) Bromoform	12.859	173	529	0.483	ug/l #	1
58) 4-Methyl-2-Pentanone	10.565	43	1049	0.458	ug/l #	1
72) 1,2,3-Trichloropropane	12.853	75	20057	10.315	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.853	75	20057	32.864	ug/l #	15

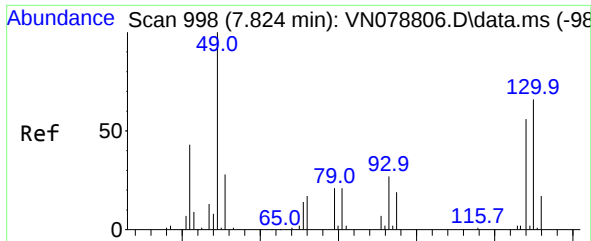
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081123\
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Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Quant Time: Aug 12 01:40:12 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

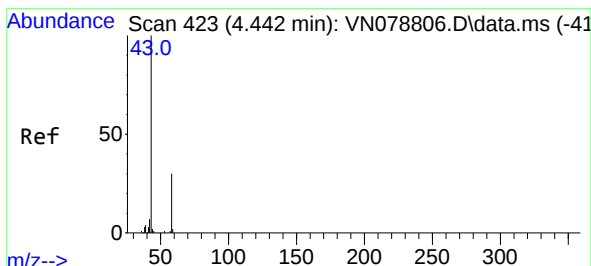
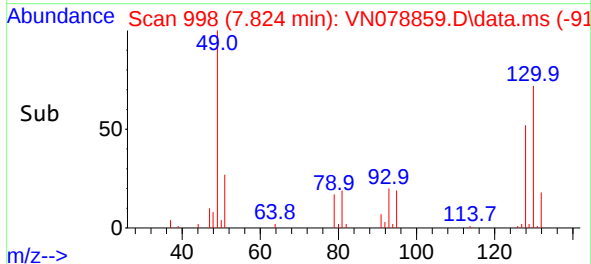
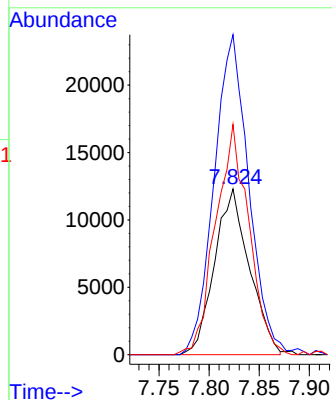
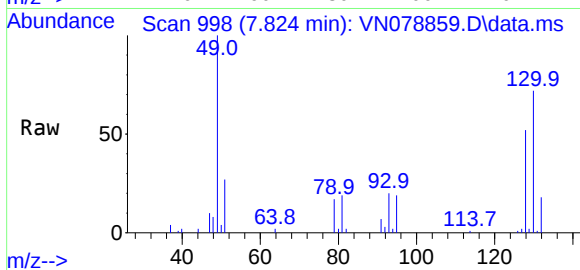




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN078859.D
Acq: 11 Aug 2023 12:30

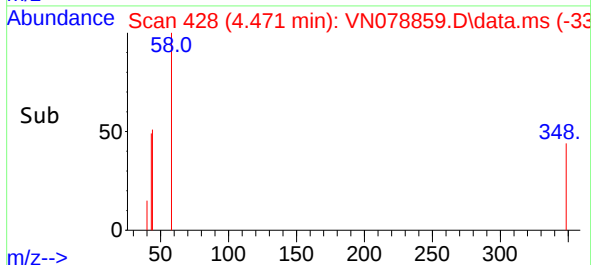
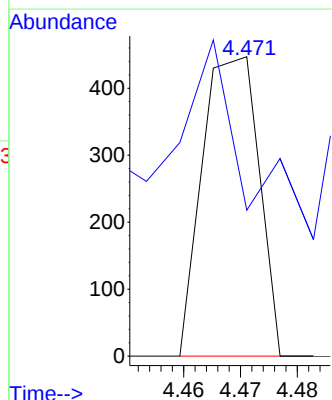
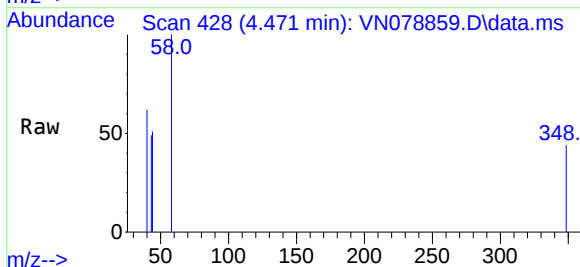
Instrument :
MSVOA_N
ClientSampleId :
IBLK

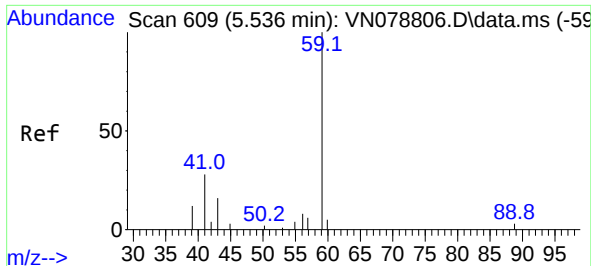
Tgt Ion:128 Resp: 29749
Ion Ratio Lower Upper
128 100
49 191.2 0.0 370.8
130 132.9 0.0 307.0



#15
Acetone
Concen: 1.268 ug/l
RT: 4.471 min Scan# 428
Delta R.T. 0.029 min
Lab File: VN078859.D
Acq: 11 Aug 2023 12:30

Tgt Ion: 58 Resp: 310
Ion Ratio Lower Upper
58 100
43 0.0 227.5 341.3#

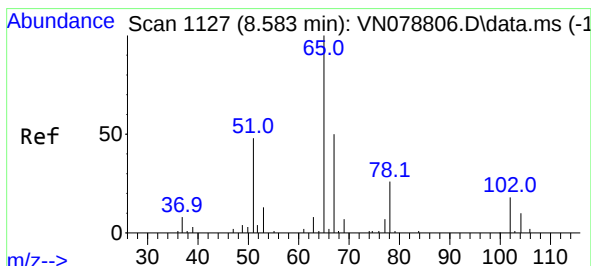
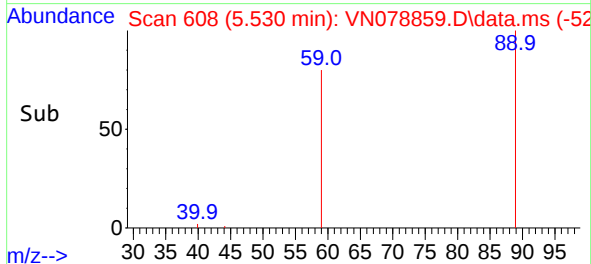
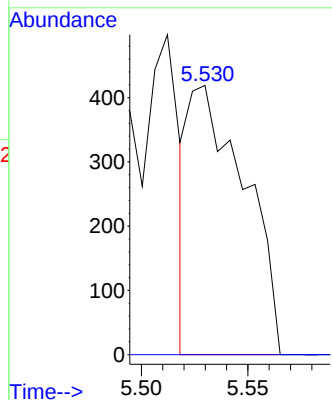
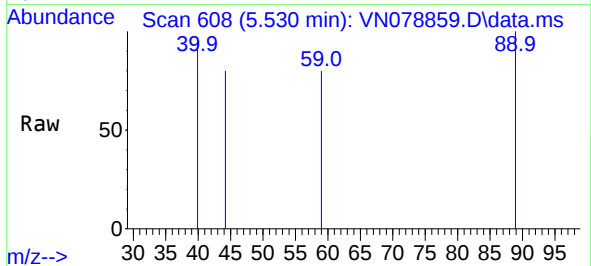




#23
tert-Butyl Alcohol
Concen: 2.181 ug/l
RT: 5.530 min Scan# 609
Delta R.T. -0.006 min
Lab File: VN078859.D
Acq: 11 Aug 2023 12:30

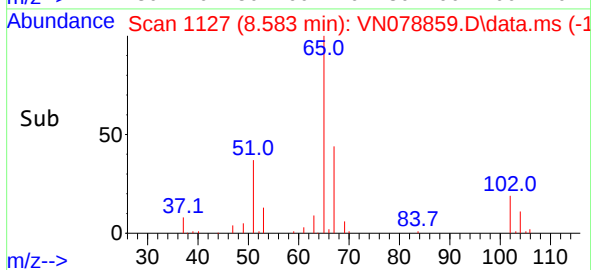
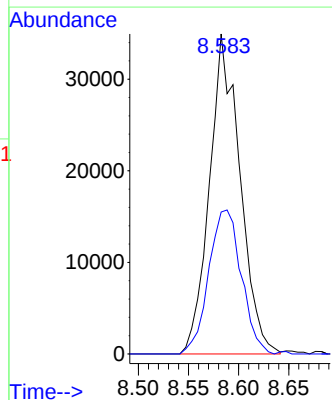
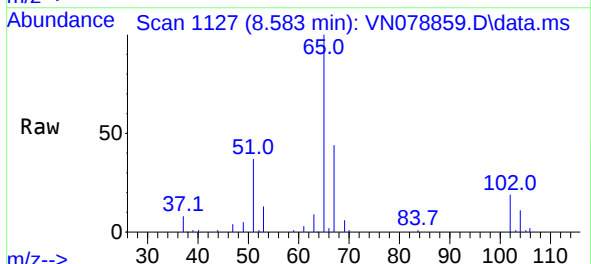
Instrument :
MSVOA_N
ClientSampleId :
IBLK

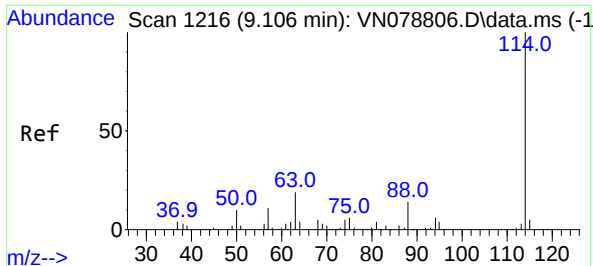
Tgt Ion: 59 Resp: 769
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1#



#27
1,2-Dichloroethane-d4
Concen: 30.865 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN078859.D
Acq: 11 Aug 2023 12:30

Tgt Ion: 65 Resp: 73923
Ion Ratio Lower Upper
65 100
67 48.1 42.9 64.3

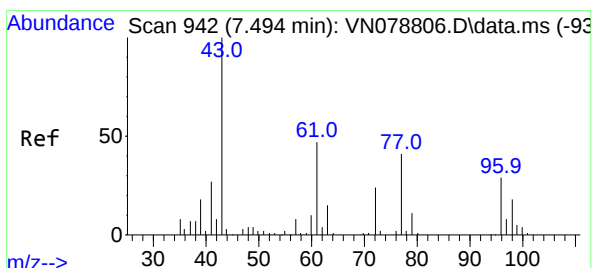
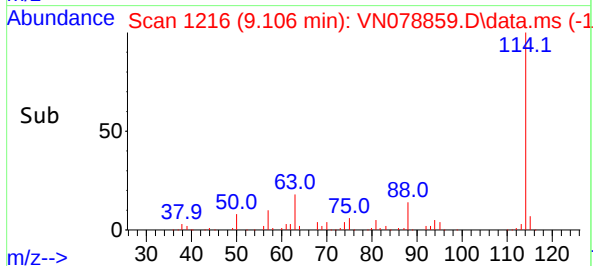
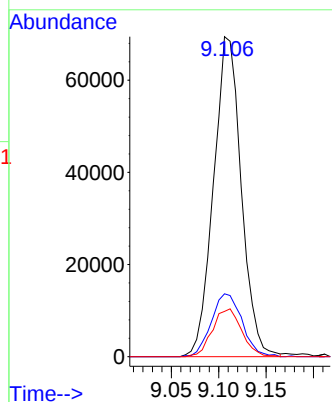
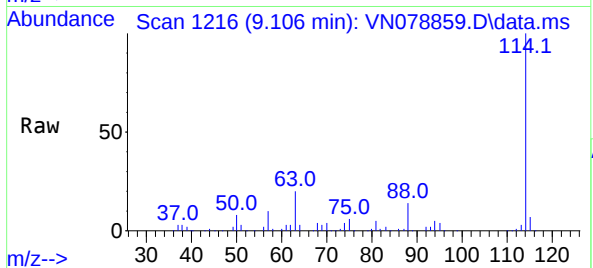




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 114
Delta R.T. -0.000 min
Lab File: VN078859.D
Acq: 11 Aug 2023 12:30

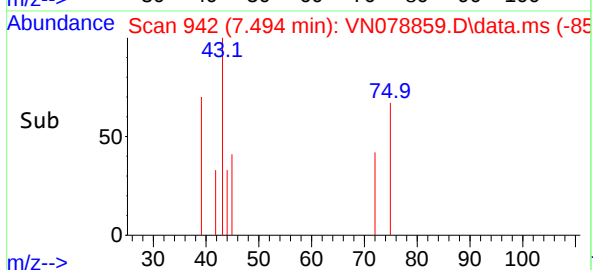
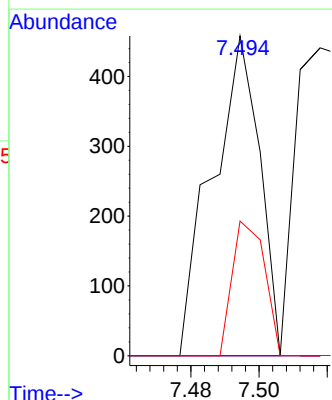
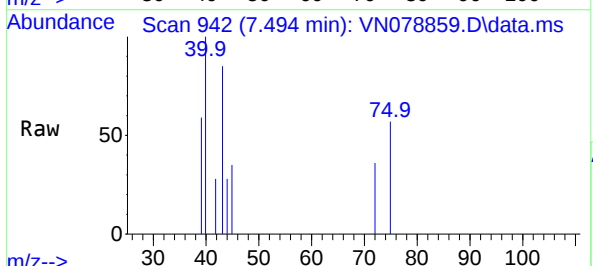
Instrument :
MSVOA_N
ClientSampleId :
IBLK

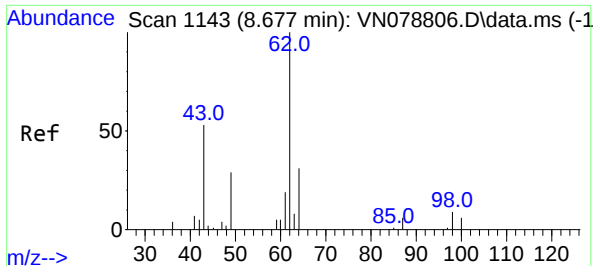
Tgt Ion:114 Resp: 141525
Ion Ratio Lower Upper
114 100
63 21.8 15.2 22.8
88 15.7 12.5 18.7



#30
2-Butanone
Concen: 0.393 ug/l
RT: 7.494 min Scan# 942
Delta R.T. -0.000 min
Lab File: VN078859.D
Acq: 11 Aug 2023 12:30

Tgt Ion: 43 Resp: 443
Ion Ratio Lower Upper
43 100
57 0.0 6.8 10.2#
72 28.7 23.8 35.6

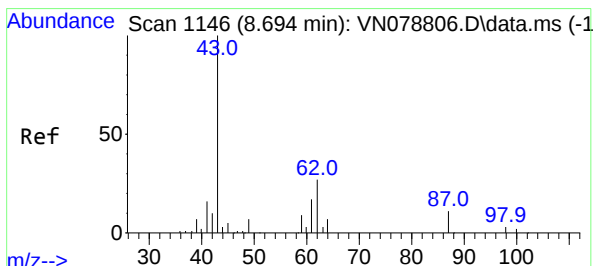
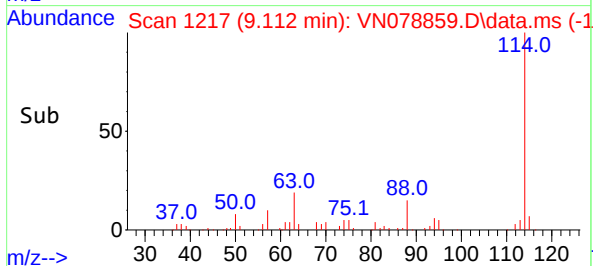
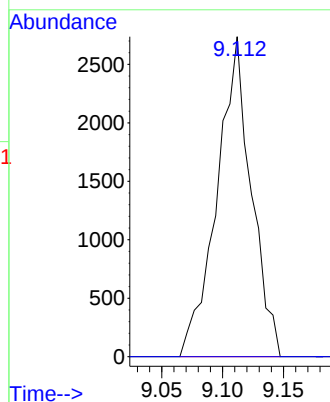
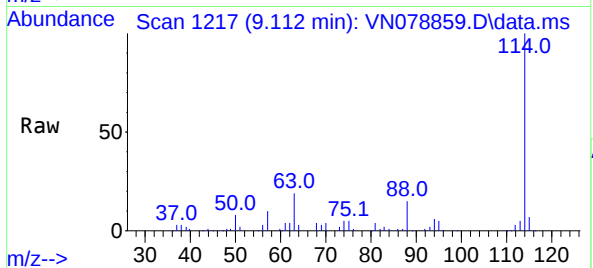




#36
1,2-Dichloroethane
Concen: 2.195 ug/l
RT: 9.112 min Scan# 1143
Delta R.T. 0.435 min
Lab File: VN078859.D
Acq: 11 Aug 2023 12:30

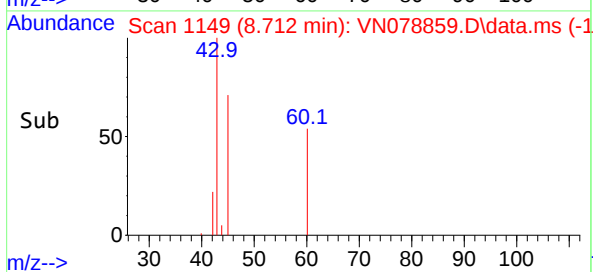
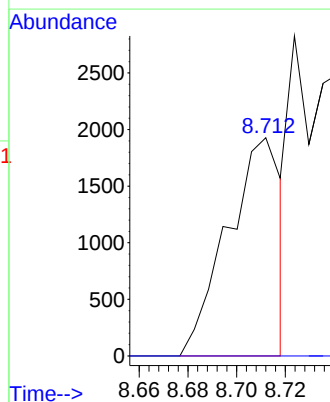
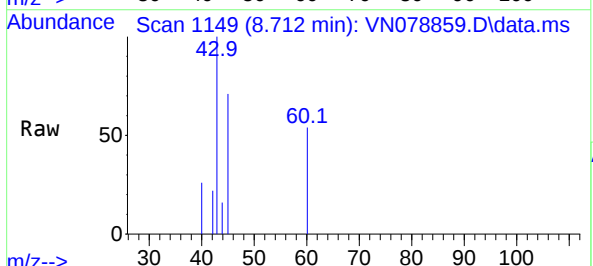
Instrument :
MSVOA_N
ClientSampleId :
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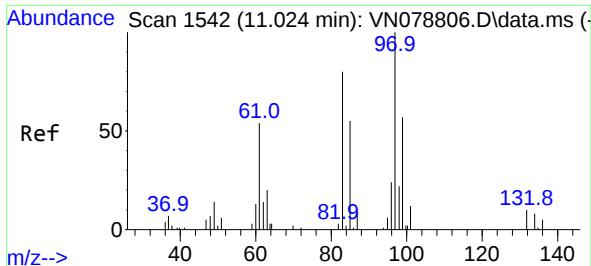
Tgt Ion: 62 Resp: 5368
Ion Ratio Lower Upper
62 100
98 0.0 7.4 11.0#



#44
Isopropyl Acetate
Concen: 0.705 ug/l
RT: 8.712 min Scan# 1149
Delta R.T. 0.018 min
Lab File: VN078859.D
Acq: 11 Aug 2023 12:30

Tgt Ion: 43 Resp: 2961
Ion Ratio Lower Upper
43 100
61 3.0 23.0 34.6#

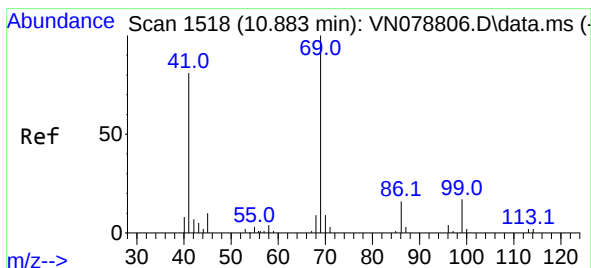
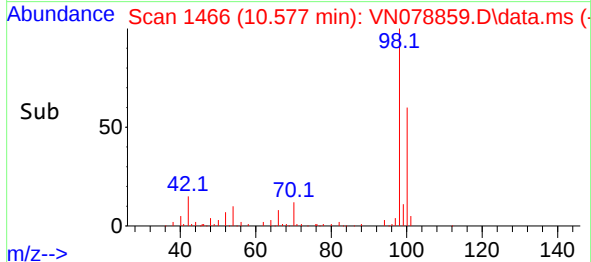
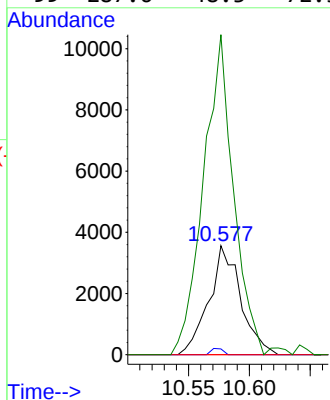
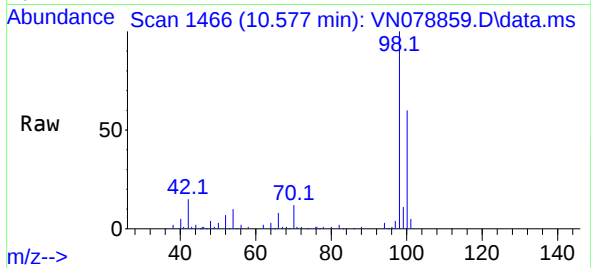




#50
1,1,2-Trichloroethane
Concen: 3.858 ug/l
RT: 10.577 min Scan# 1466
Delta R.T. -0.447 min
Lab File: VN078859.D
Acq: 11 Aug 2023 12:30

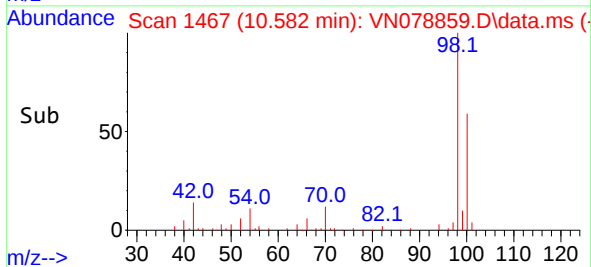
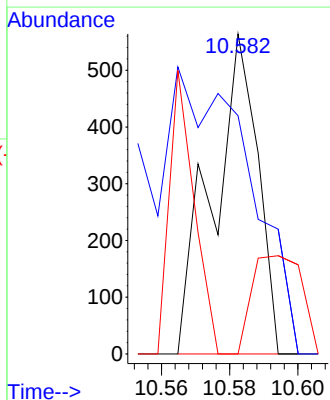
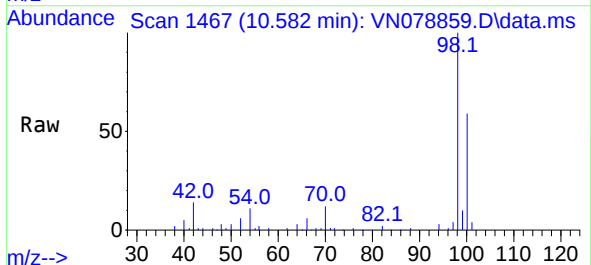
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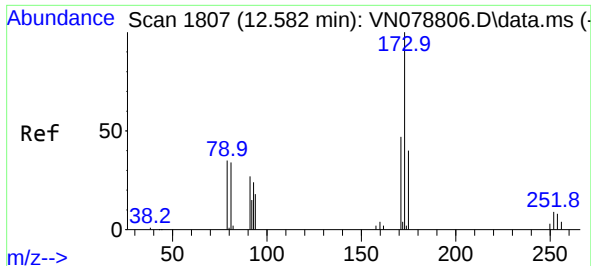
Tgt Ion: 97 Resp: 6461
Ion Ratio Lower Upper
97 100
83 5.3 66.8 100.2#
85 0.0 42.5 63.7#
99 287.6 48.3 72.5#



#51
Ethyl methacrylate
Concen: 0.220 ug/l
RT: 10.582 min Scan# 1467
Delta R.T. -0.300 min
Lab File: VN078859.D
Acq: 11 Aug 2023 12:30

Tgt Ion: 69 Resp: 516
Ion Ratio Lower Upper
69 100
41 35.5 26.0 78.0
39 0.0 16.3 48.9#

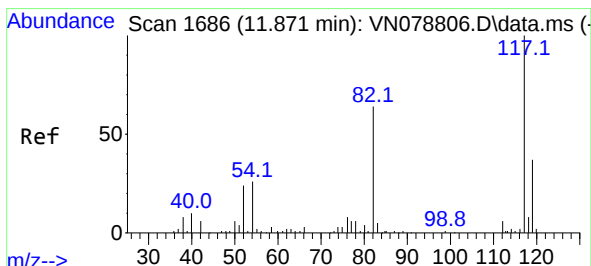
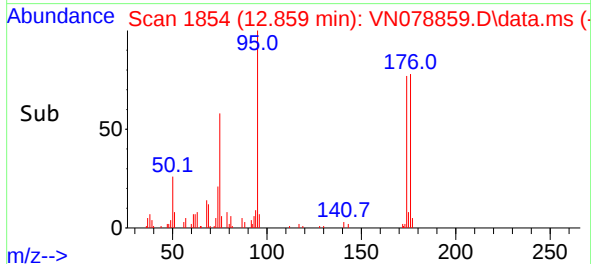
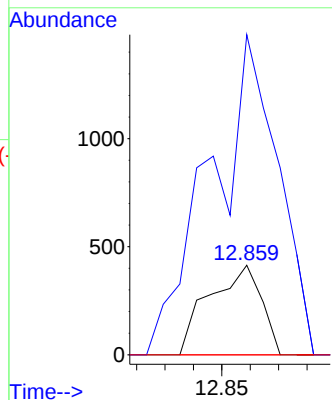
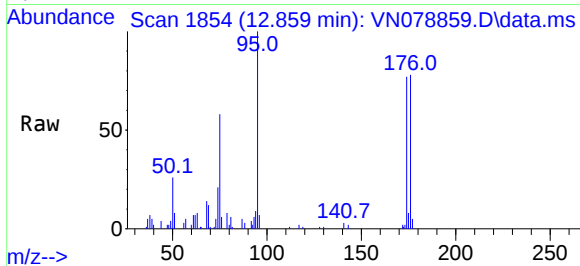




#56
Bromoform
Concen: 0.483 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.276 min
Lab File: VN078859.D
Acq: 11 Aug 2023 12:30

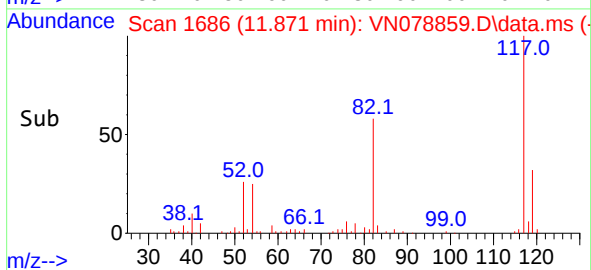
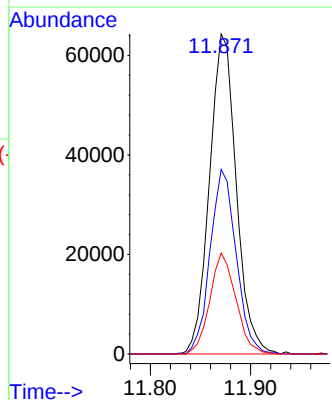
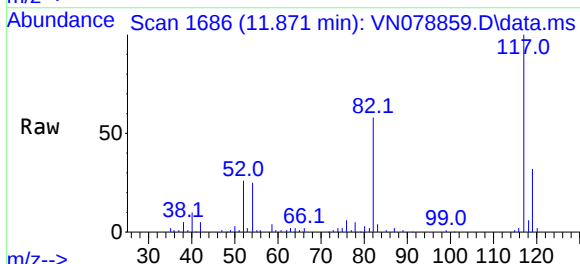
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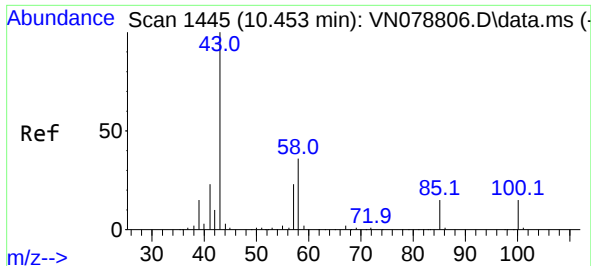
Tgt Ion:173 Resp: 529
Ion Ratio Lower Upper
173 100
175 263.7 40.7 61.1#
254 0.0 6.5 9.7#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN078859.D
Acq: 11 Aug 2023 12:30

Tgt Ion:117 Resp: 119255
Ion Ratio Lower Upper
117 100
82 56.2 43.9 65.9
119 30.7 26.2 39.4

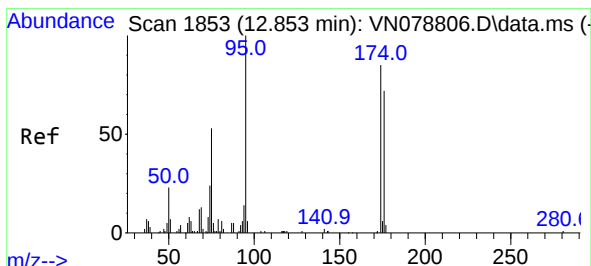
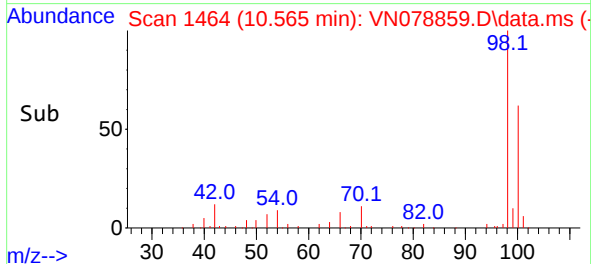
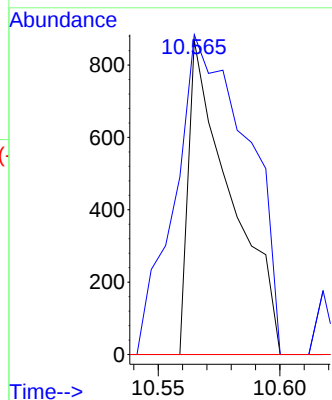
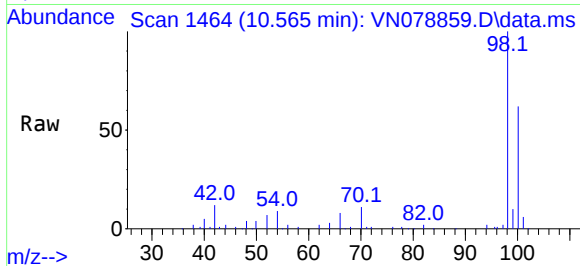




#58
4-Methyl-2-Pentanone
Concen: 0.458 ug/l
RT: 10.565 min Scan# 1445
Delta R.T. 0.112 min
Lab File: VN078859.D
Acq: 11 Aug 2023 12:30

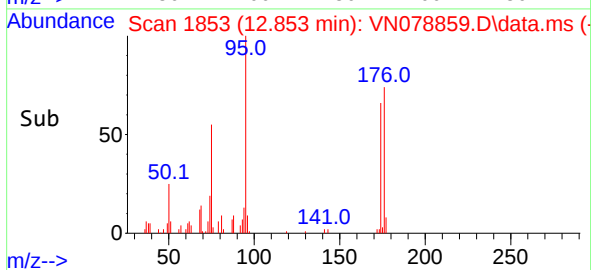
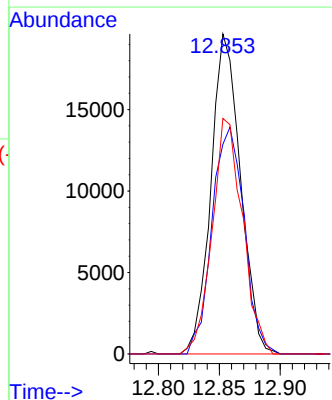
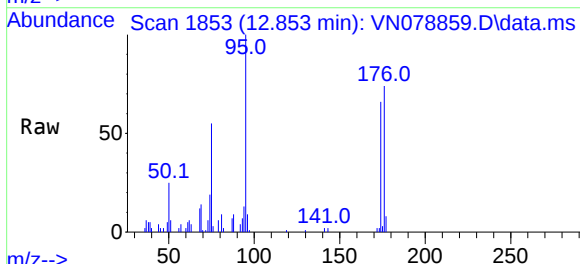
Instrument :
MSVOA_N
ClientSampleId :
IBLK

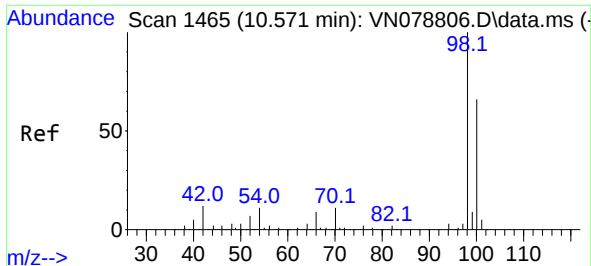
Tgt Ion: 43 Resp: 1049
Ion Ratio Lower Upper
43 100
58 174.7 32.6 48.8#
85 0.0 16.2 24.2#



#60
4-Bromofluorobenzene
Concen: 19.813 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078859.D
Acq: 11 Aug 2023 12:30

Tgt Ion: 95 Resp: 33166
Ion Ratio Lower Upper
95 100
174 77.1 61.7 92.5
176 75.7 58.1 87.1

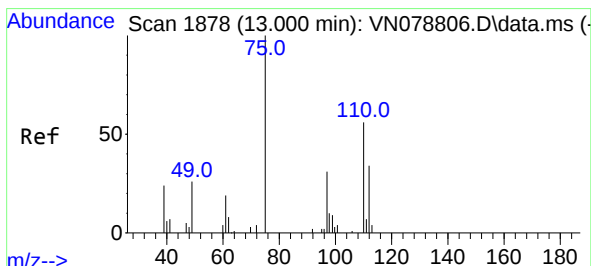
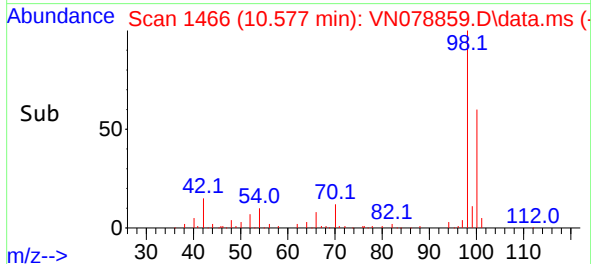
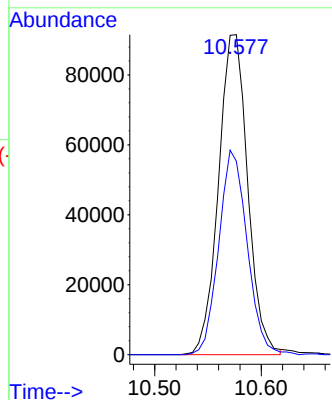
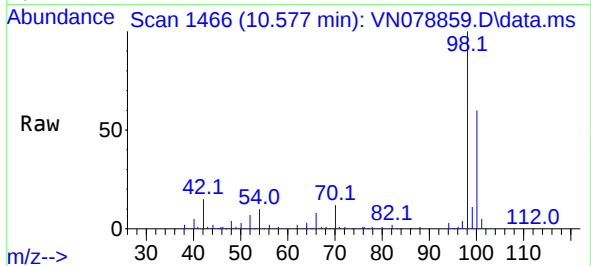




#63
Toluene-d8
Concen: 29.822 ug/l
RT: 10.577 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VN078859.D
Acq: 11 Aug 2023 12:30

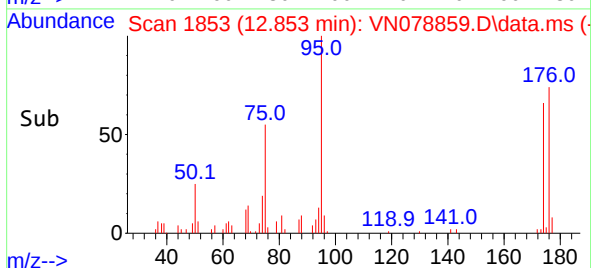
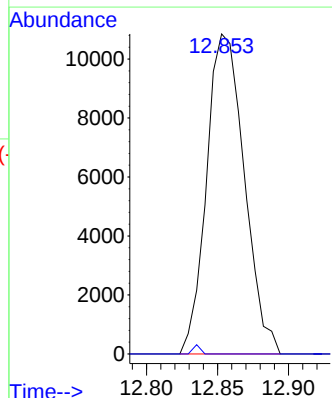
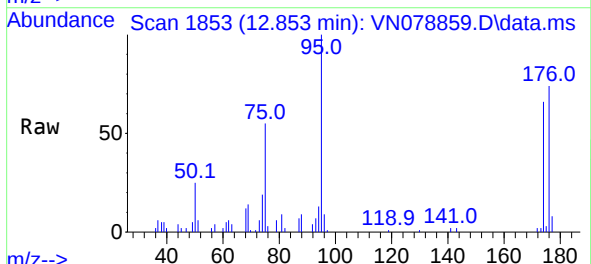
Instrument :
MSVOA_N
ClientSampleId :
IBLK

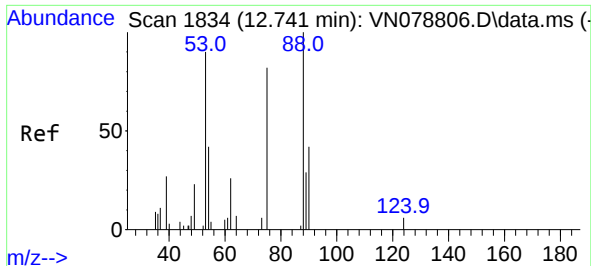
Tgt Ion: 98 Resp: 174274
Ion Ratio Lower Upper
98 100
100 62.2 49.7 74.5



#72
1,2,3-Trichloropropane
Concen: 10.315 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078859.D
Acq: 11 Aug 2023 12:30

Tgt Ion: 75 Resp: 20057
Ion Ratio Lower Upper
75 100
77 0.0 0.0 387.4





#77
 t-1,4-Dichloro-2-butene
 Concen: 32.864 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN078859.D
 Acq: 11 Aug 2023 12:30

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Tgt Ion:	75	Resp:	20057
Ion	Ratio	Lower	Upper
75	100		
53	0.0	41.6	124.9#
89	0.0	25.1	75.4#

