

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081123\
 Data File : VN078860.D
 Acq On : 11 Aug 2023 13:13
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Aug 12 01:40:42 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)

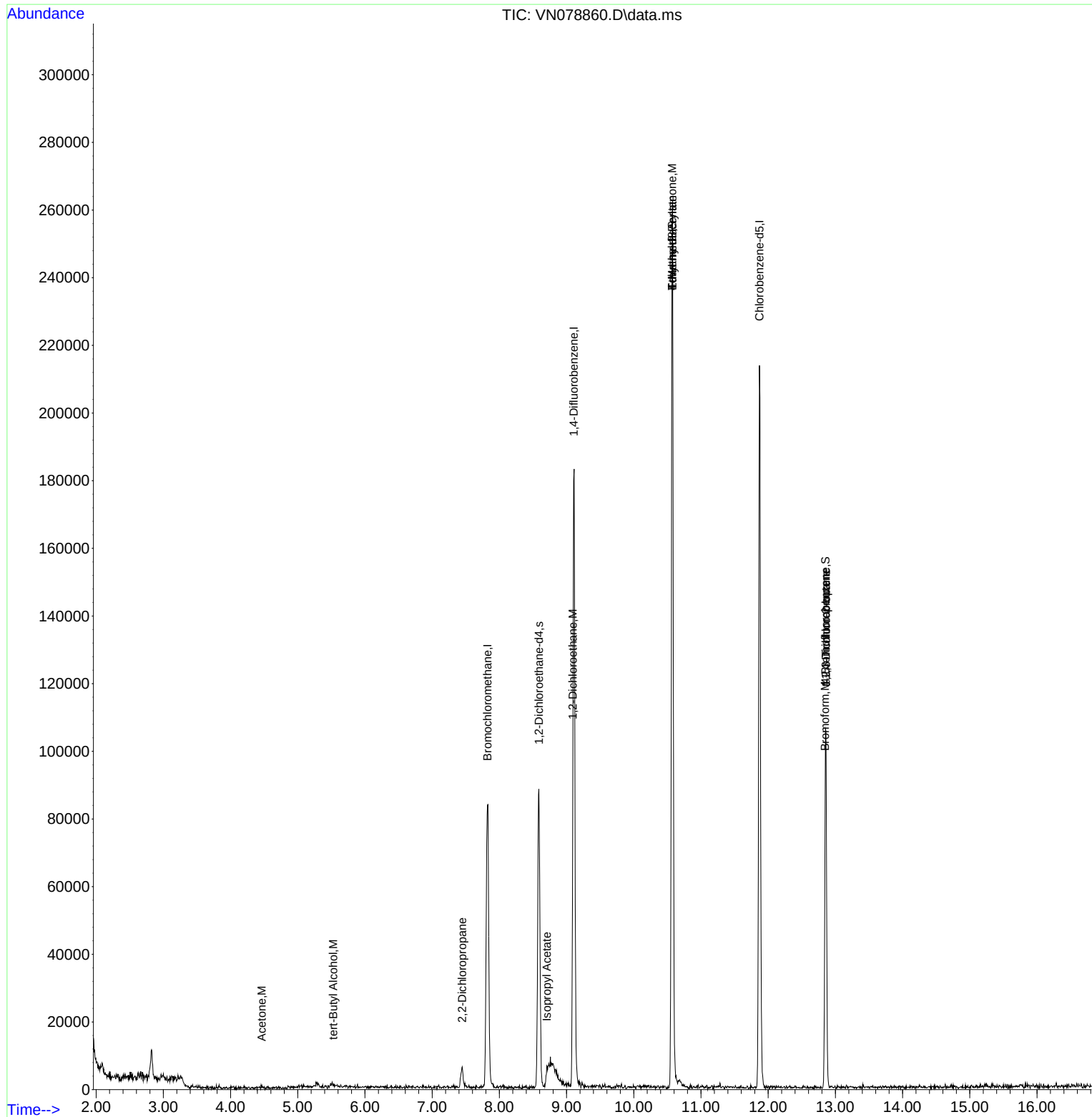
Internal Standards						
1) Bromochloromethane	7.824	128	28315	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	146880	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	118702	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	70418	30.891	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.967%
60) 4-Bromofluorobenzene	12.853	95	35717	21.436	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	71.467%
63) Toluene-d8	10.570	98	181057	31.127	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	103.767%
Target Compounds						
					Qvalue	
15) Acetone	4.465	58	247	1.061	ug/l #	2
23) tert-Butyl Alcohol	5.530	59	260	0.775	ug/l #	100
31) 2,2-Dichloropropane	7.447	77	531	0.216	ug/l #	52
36) 1,2-Dichloroethane	9.094	62	2246	0.885	ug/l #	75
44) Isopropyl Acetate	8.706	43	3128	0.717	ug/l #	46
51) Ethyl methacrylate	10.576	69	827	0.339	ug/l	92
56) Bromoform	12.847	173	361	0.318	ug/l #	34
58) 4-Methyl-2-Pentanone	10.570	43	795	0.348	ug/l #	1
72) 1,2,3-Trichloropropane	12.859	75	21540	11.130	ug/l	1
77) t-1,4-Dichloro-2-butene	12.859	75	21540	35.458	ug/l #	15

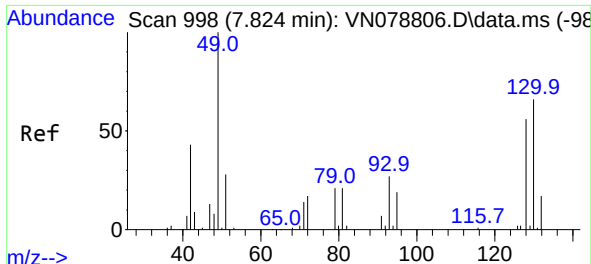
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Aug 09 05:05:47 2023
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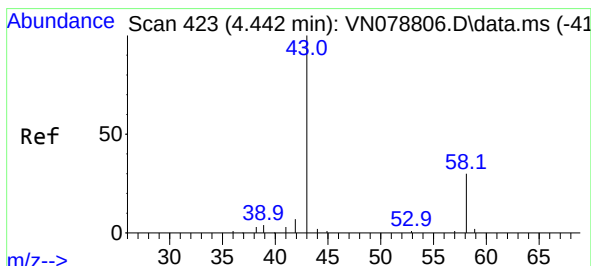
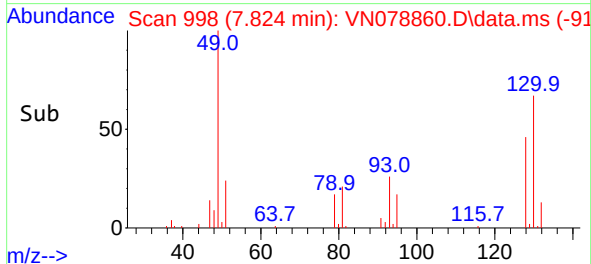
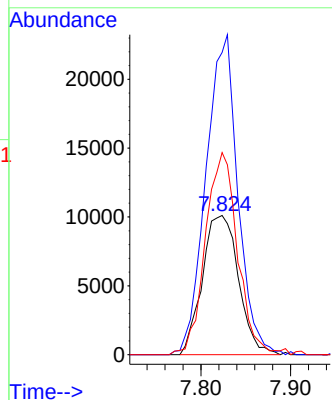
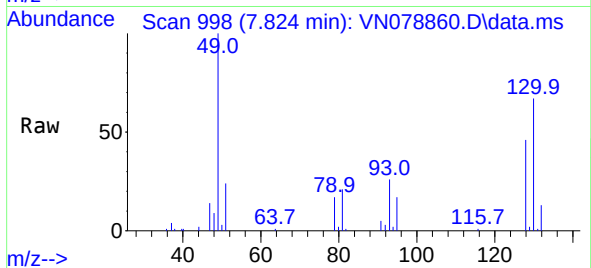




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN078860.D
Acq: 11 Aug 2023 13:13

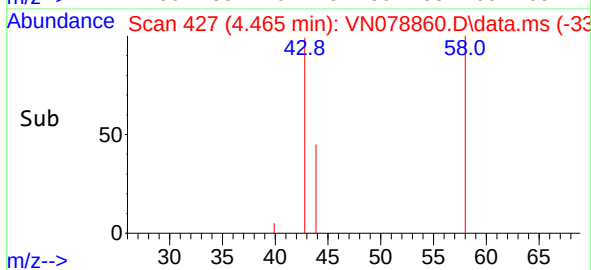
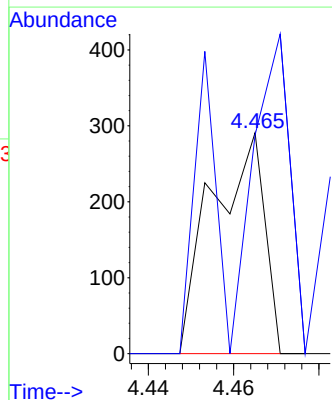
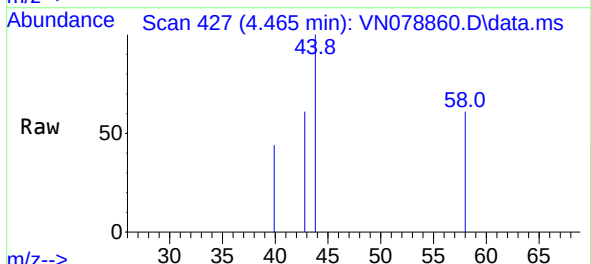
Instrument :
MSVOA_N
ClientSampleId :
IBLK

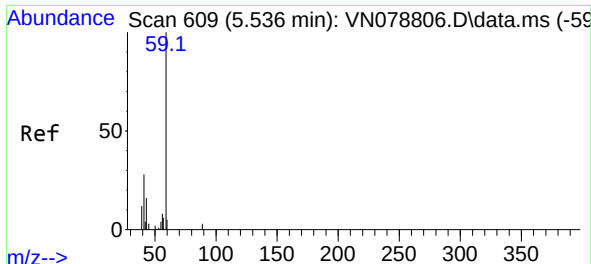
Tgt Ion:128 Resp: 28315
Ion Ratio Lower Upper
128 100
49 202.8 0.0 370.8
130 123.3 0.0 307.0



#15
Acetone
Concen: 1.061 ug/l
RT: 4.465 min Scan# 427
Delta R.T. 0.023 min
Lab File: VN078860.D
Acq: 11 Aug 2023 13:13

Tgt Ion: 58 Resp: 247
Ion Ratio Lower Upper
58 100
43 99.0 227.5 341.3#

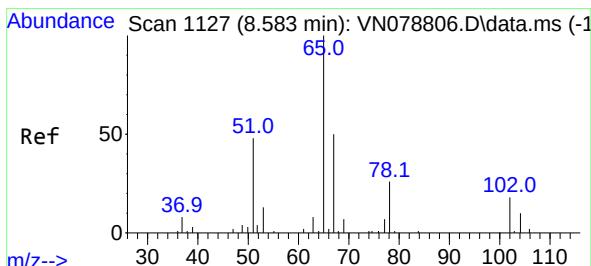
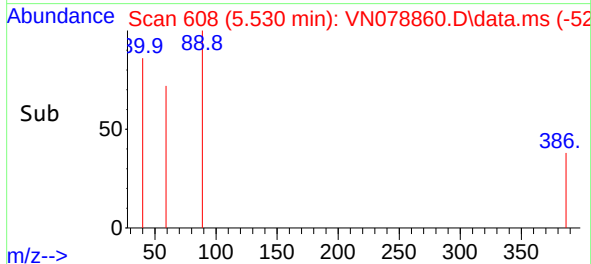
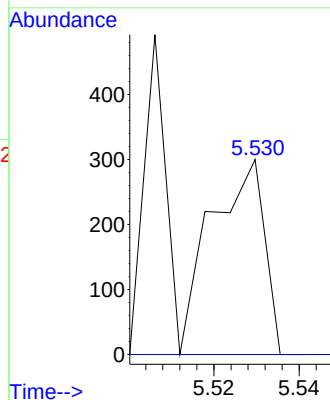
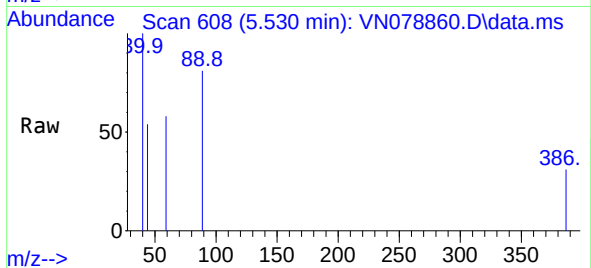




#23
tert-Butyl Alcohol
Concen: 0.775 ug/l
RT: 5.530 min Scan# 609
Delta R.T. -0.006 min
Lab File: VN078860.D
Acq: 11 Aug 2023 13:13

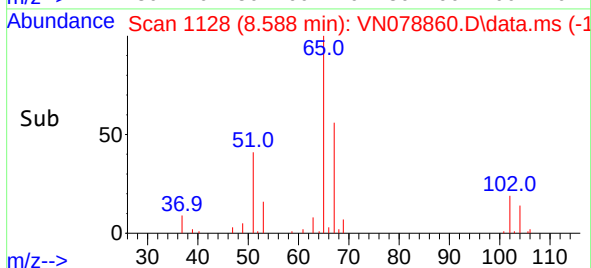
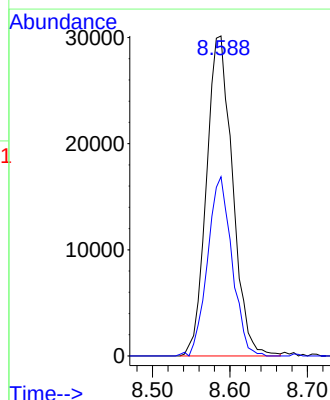
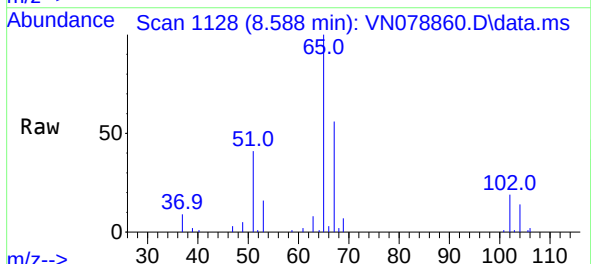
Instrument :
MSVOA_N
ClientSampleId :
IBLK

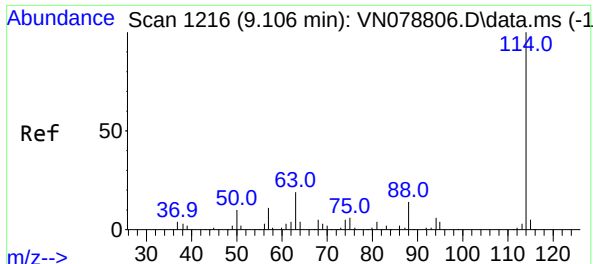
Tgt Ion: 59 Resp: 260
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1#



#27
1,2-Dichloroethane-d4
Concen: 30.891 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN078860.D
Acq: 11 Aug 2023 13:13

Tgt Ion: 65 Resp: 70418
Ion Ratio Lower Upper
65 100
67 52.2 42.9 64.3

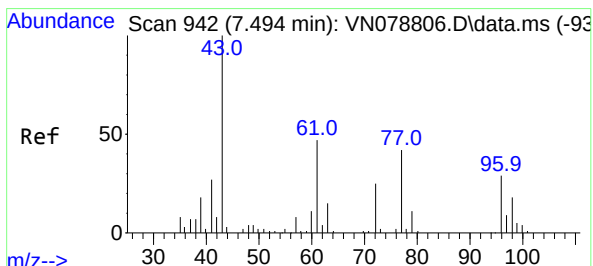
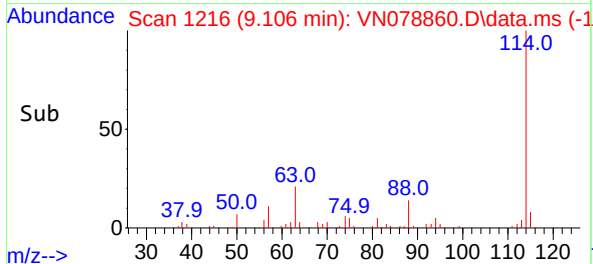
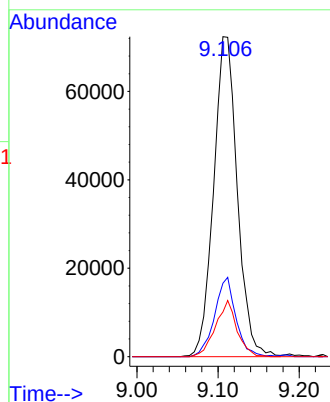
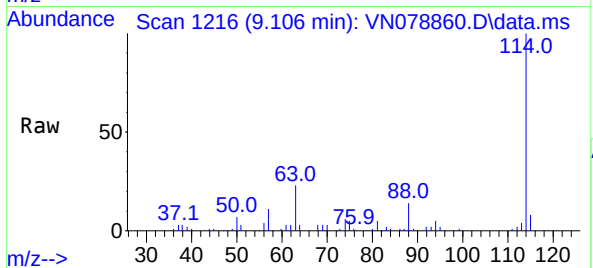




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN078860.D
Acq: 11 Aug 2023 13:13

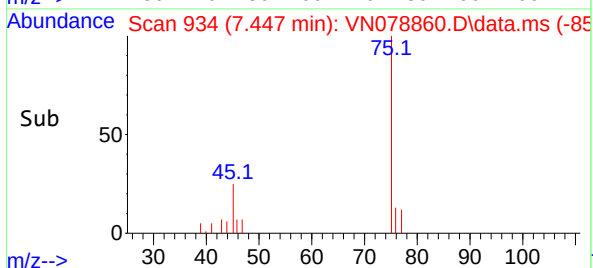
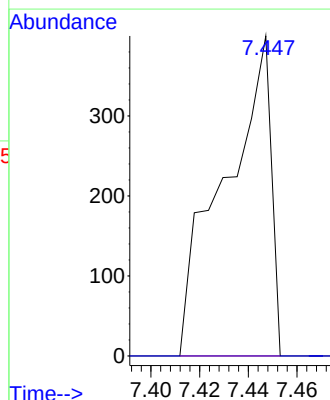
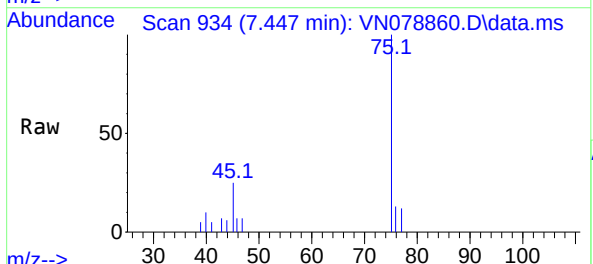
Instrument :
MSVOA_N
ClientSampleId :
IBLK

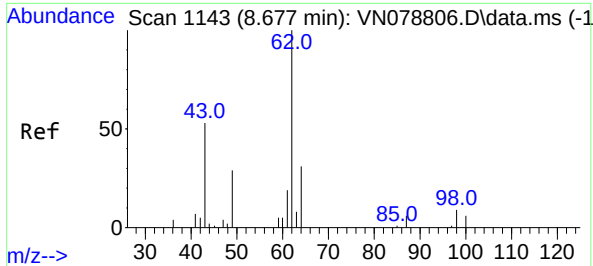
Tgt Ion:114 Resp: 146880
Ion Ratio Lower Upper
114 100
63 22.3 15.2 22.8
88 15.8 12.5 18.7



#31
2,2-Dichloropropane
Concen: 0.216 ug/l
RT: 7.447 min Scan# 934
Delta R.T. -0.047 min
Lab File: VN078860.D
Acq: 11 Aug 2023 13:13

Tgt Ion: 77 Resp: 531
Ion Ratio Lower Upper
77 100
97 0.0 18.8 28.2#

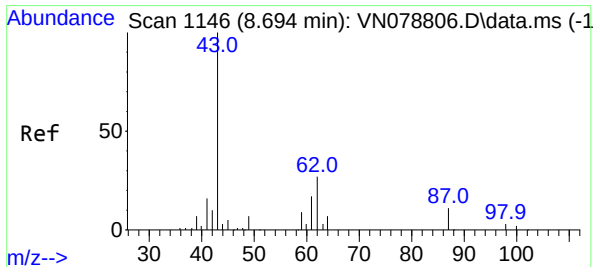
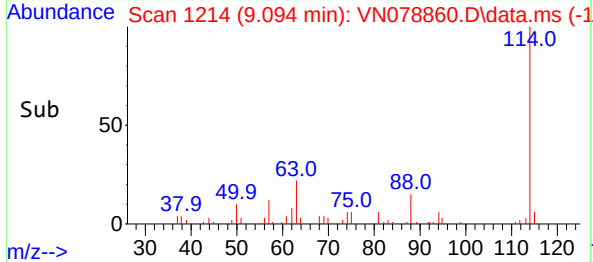
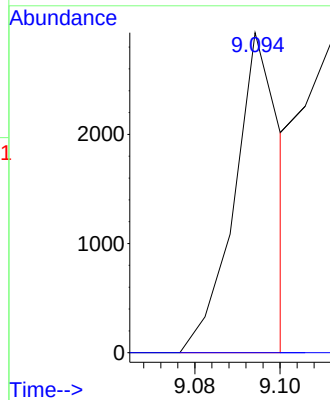
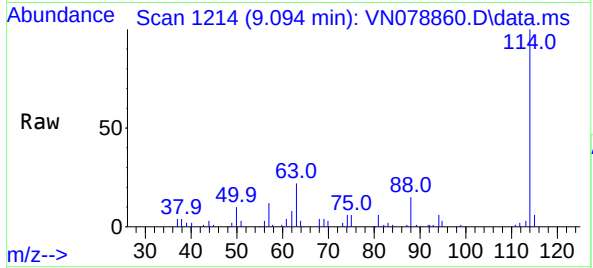




#36
1,2-Dichloroethane
Concen: 0.885 ug/l
RT: 9.094 min Scan# 1143
Delta R.T. 0.417 min
Lab File: VN078860.D
Acq: 11 Aug 2023 13:13

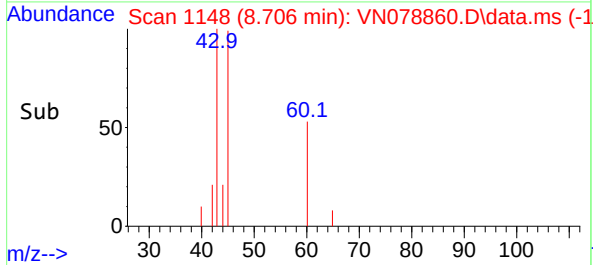
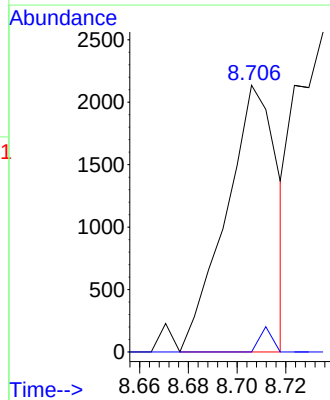
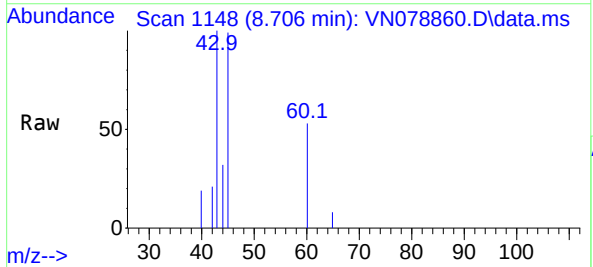
Instrument :
MSVOA_N
ClientSampleId :
IBLK

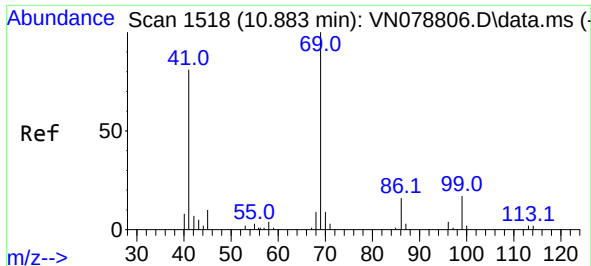
Tgt Ion: 62 Resp: 2246
Ion Ratio Lower Upper
62 100
98 0.0 7.4 11.0#



#44
Isopropyl Acetate
Concen: 0.717 ug/l
RT: 8.706 min Scan# 1148
Delta R.T. 0.012 min
Lab File: VN078860.D
Acq: 11 Aug 2023 13:13

Tgt Ion: 43 Resp: 3128
Ion Ratio Lower Upper
43 100
61 0.0 23.0 34.6#

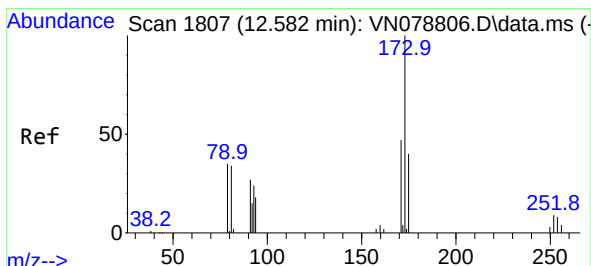
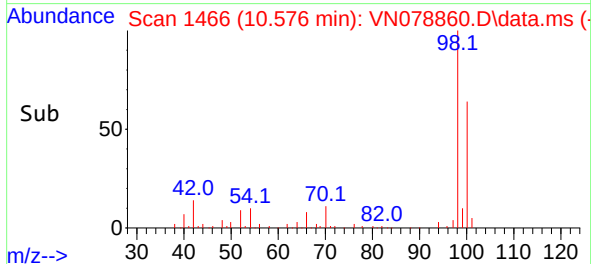
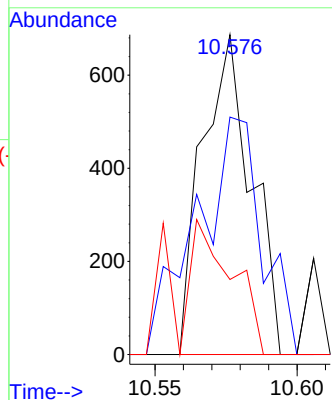
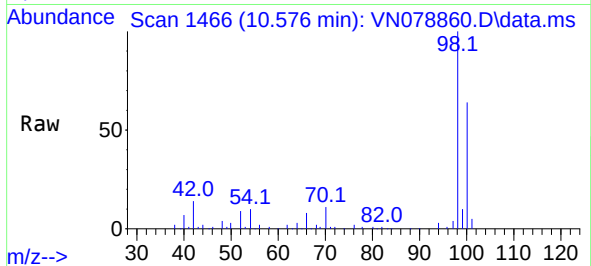




#51
Ethyl methacrylate
Concen: 0.339 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. -0.306 min
Lab File: VN078860.D
Acq: 11 Aug 2023 13:13

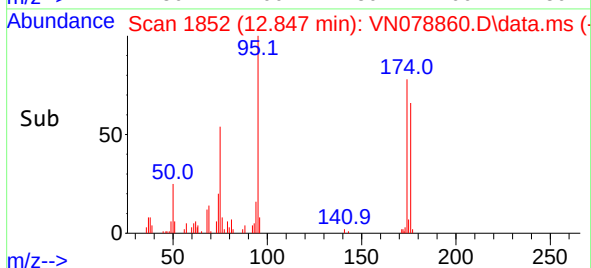
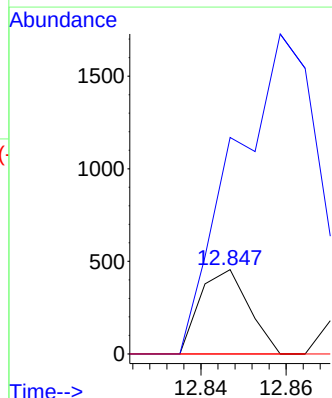
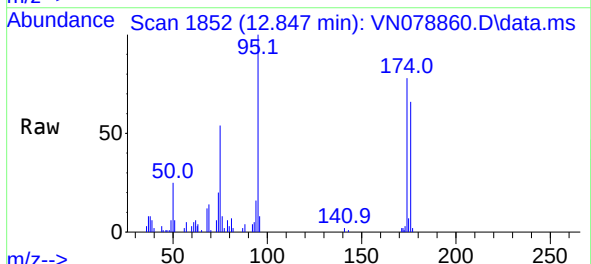
Instrument :
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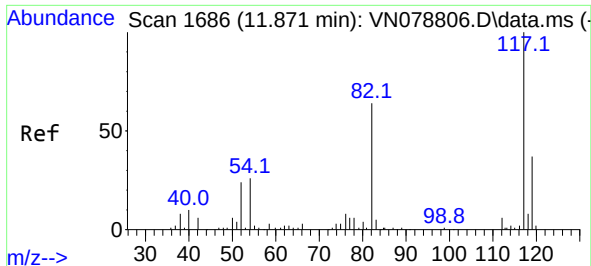
Tgt Ion: 69 Resp: 827
Ion Ratio Lower Upper
69 100
41 50.2 26.0 78.0
39 23.4 16.3 48.9



#56
Bromoform
Concen: 0.318 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.264 min
Lab File: VN078860.D
Acq: 11 Aug 2023 13:13

Tgt Ion: 173 Resp: 361
Ion Ratio Lower Upper
173 100
175 0.0 40.7 61.1#
254 0.0 6.5 9.7#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.870 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN078860.D

Acq: 11 Aug 2023 13:13

Instrument :

MSVOA_N

ClientSampleId :

IBLK

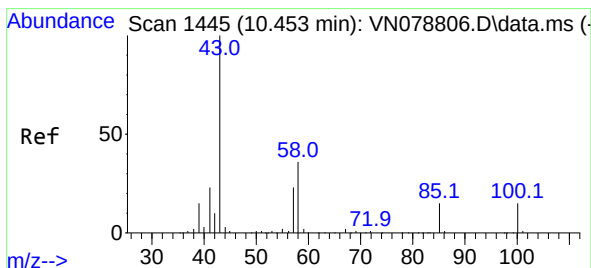
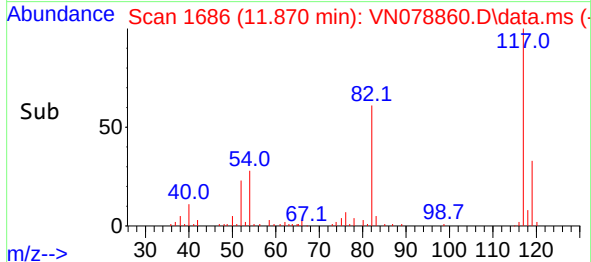
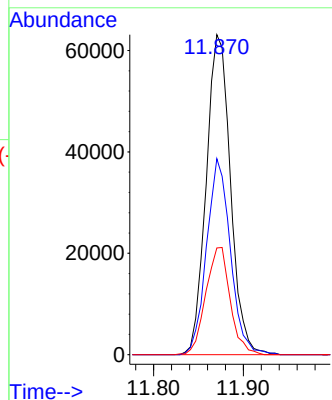
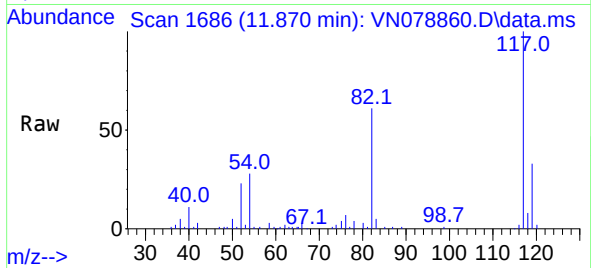
Tgt Ion:117 Resp: 118702

Ion Ratio Lower Upper

117 100

82 60.2 43.9 65.9

119 33.7 26.2 39.4



#58

4-Methyl-2-Pentanone

Concen: 0.348 ug/l

RT: 10.570 min Scan# 1465

Delta R.T. 0.117 min

Lab File: VN078860.D

Acq: 11 Aug 2023 13:13

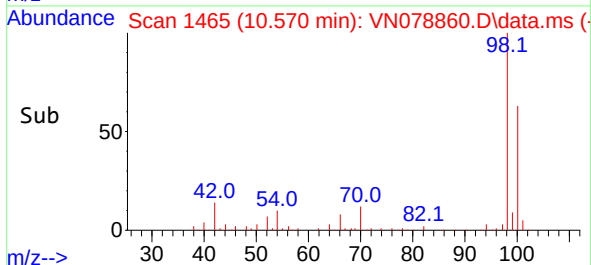
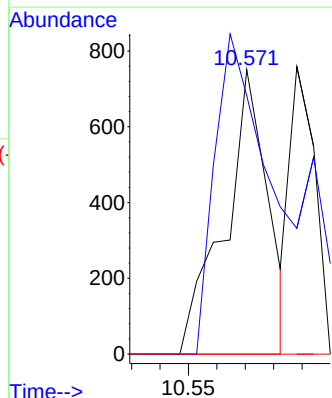
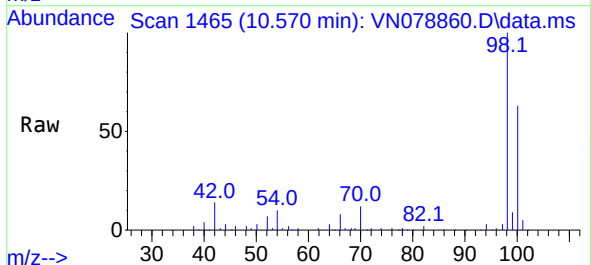
Tgt Ion: 43 Resp: 795

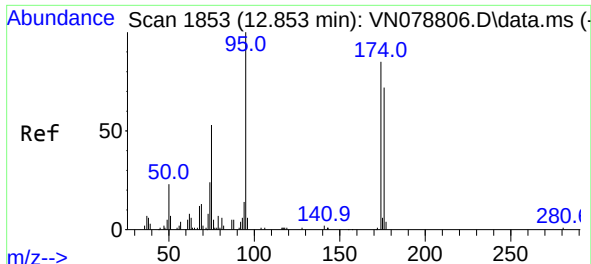
Ion Ratio Lower Upper

43 100

58 144.0 32.6 48.8#

85 0.0 16.2 24.2#

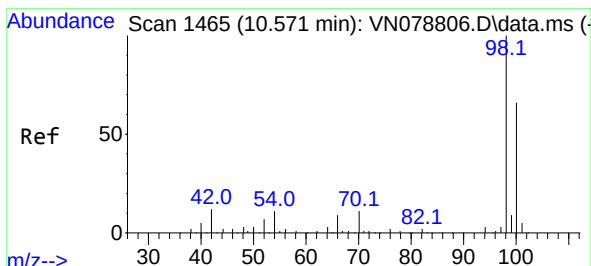
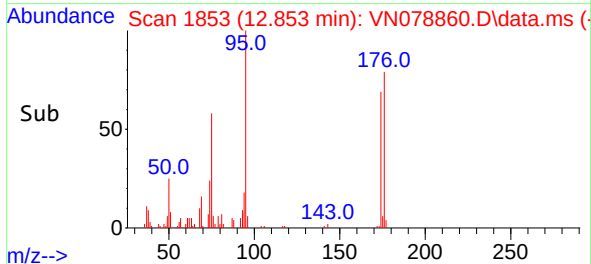
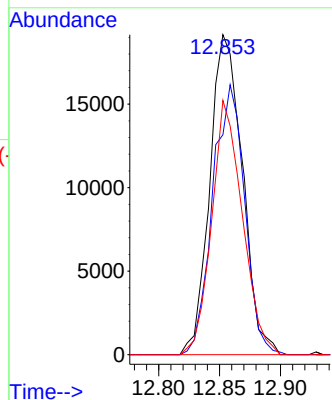
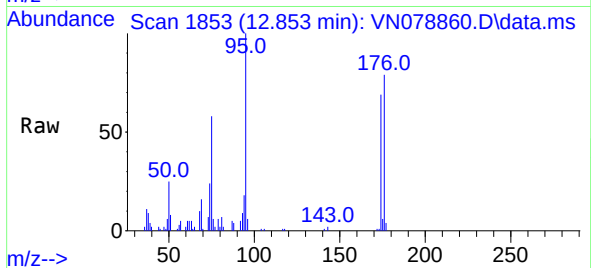




#60
4-Bromofluorobenzene
Concen: 21.436 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078860.D
Acq: 11 Aug 2023 13:13

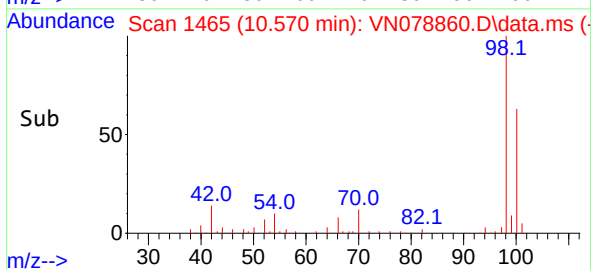
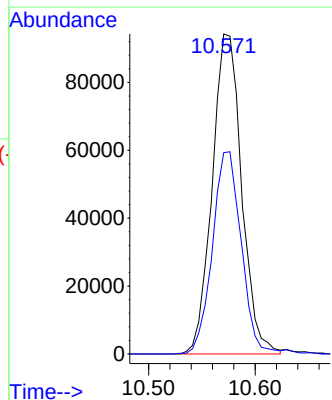
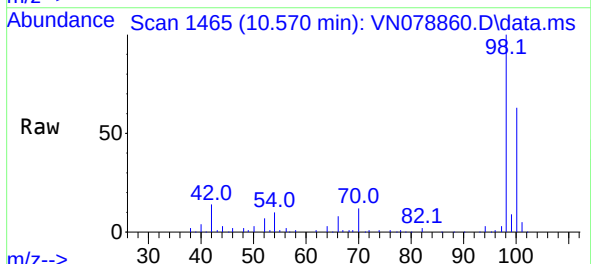
Instrument :
MSVOA_N
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IBLK

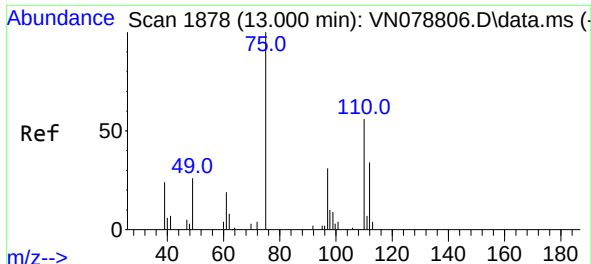
Tgt Ion: 95 Resp: 35717
Ion Ratio Lower Upper
95 100
174 82.5 61.7 92.5
176 74.8 58.1 87.1



#63
Toluene-d8
Concen: 31.127 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078860.D
Acq: 11 Aug 2023 13:13

Tgt Ion: 98 Resp: 181057
Ion Ratio Lower Upper
98 100
100 61.6 49.7 74.5

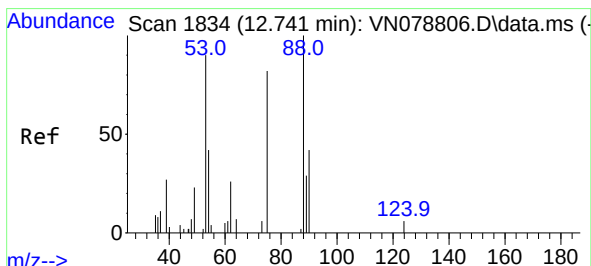
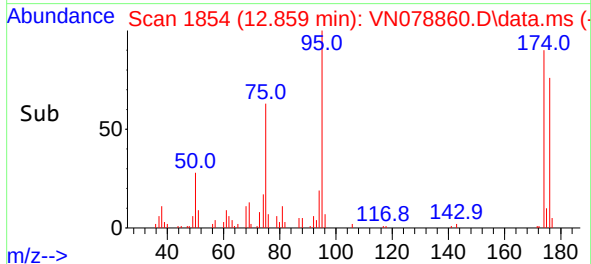
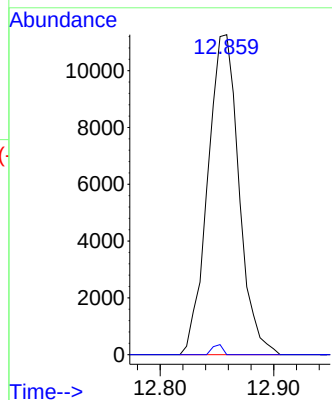
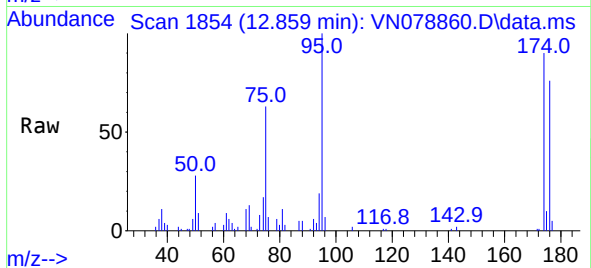




#72
1,2,3-Trichloropropane
Concen: 11.130 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. -0.141 min
Lab File: VN078860.D
Acq: 11 Aug 2023 13:13

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 75 Resp: 21540
Ion Ratio Lower Upper
75 100
77 1.0 0.0 387.4



#77
t-1,4-Dichloro-2-butene
Concen: 35.458 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.117 min
Lab File: VN078860.D
Acq: 11 Aug 2023 13:13

Tgt Ion: 75 Resp: 21540
Ion Ratio Lower Upper
75 100
53 0.0 41.6 124.9#
89 0.0 25.1 75.4#

