

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101222\
 Data File : VN074877.D
 Acq On : 12 Oct 2022 15:42
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Oct 13 07:56:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101222W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 13 07:52:24 2022
 Response via : Initial Calibration

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

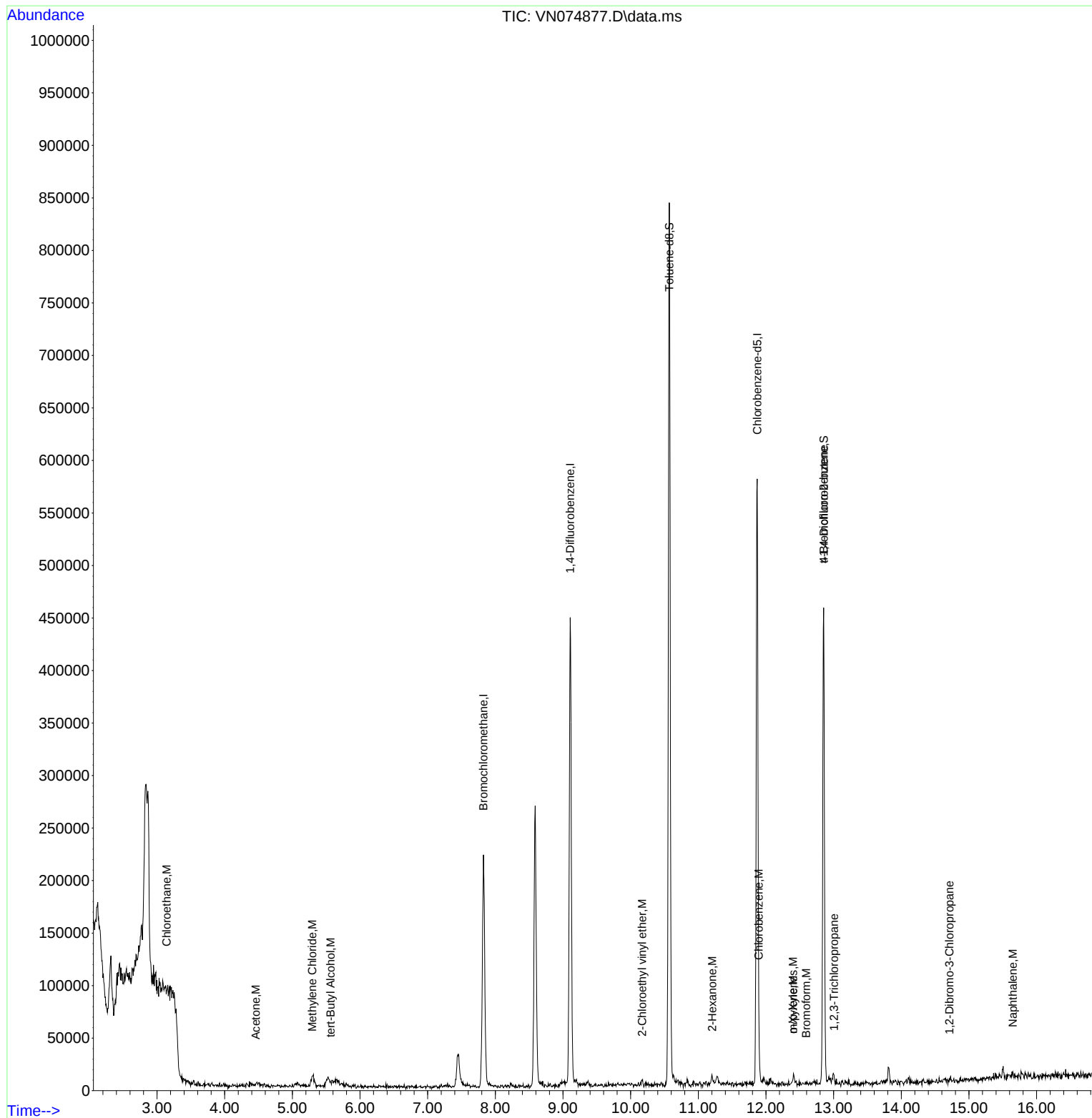
Internal Standards						
1) Bromochloromethane	7.824	128	67584	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	370808	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	323548	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.771	65	264	0.042	ug/l	0.18
Spiked Amount	30.000	Range	91 - 110	Recovery	=	0.133%#
60) 4-Bromofluorobenzene	12.853	95	139777	24.361	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	81.200%
63) Toluene-d8	10.571	98	573946	30.736	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.467%
Target Compounds						
					Qvalue	
6) Chloroethane	3.142	64	2765	0.412	ug/l #	61
15) Acetone	4.459	58	566	0.557	ug/l #	1
18) Methylene Chloride	5.295	84	2324	0.435	ug/l #	30
23) tert-Butyl Alcohol	5.565	59	492	0.315	ug/l #	100
55) 2-Chloroethyl vinyl ether	10.171	63	1427	0.384	ug/l #	46
56) Bromoform	12.594	173	865	0.219	ug/l #	62
59) 2-Hexanone	11.206	43	5684	0.734	ug/l	93
64) Chlorobenzene	11.894	112	4994	0.393	ug/l #	62
67) m/p-Xylenes	12.400	106	2277	0.249	ug/l	82
68) o-Xylene	12.400	106	2277	0.245	ug/l	75
72) 1,2,3-Trichloropropane	13.006	75	3691	0.491	ug/l	1
77) t-1,4-Dichloro-2-butene	12.853	75	82440	26.375	ug/l #	15
88) 1,2-Dibromo-3-Chloropr...	14.712	75	489	0.271	ug/l #	62
91) Naphthalene	15.647	128	3910	0.222	ug/l #	86

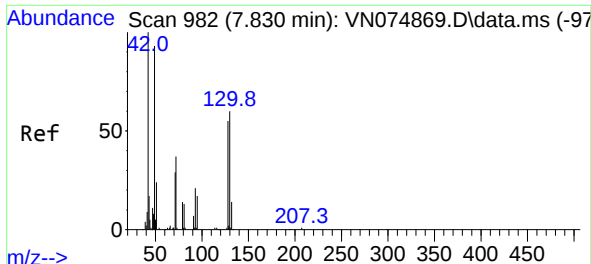
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101222\
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QLast Update : Thu Oct 13 07:52:24 2022
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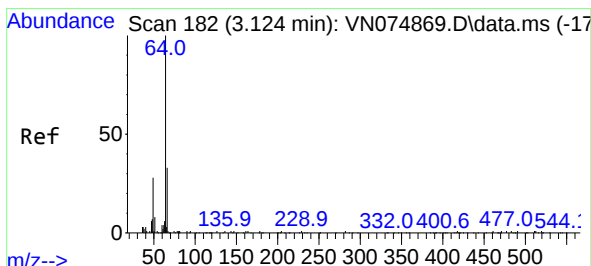
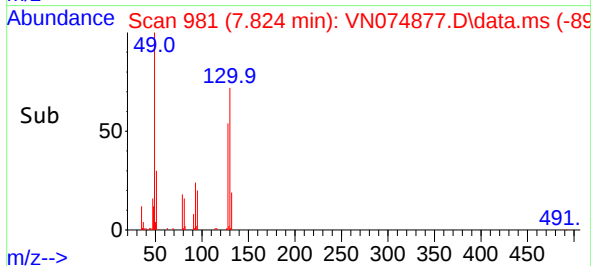
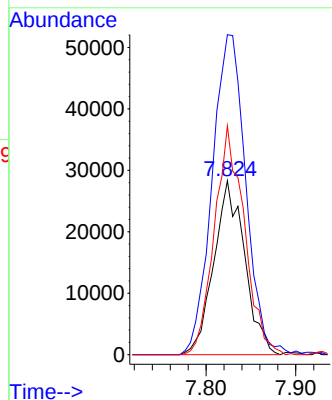
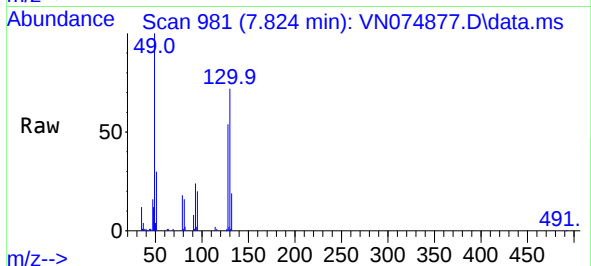




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN074877.D
Acq: 12 Oct 2022 15:42

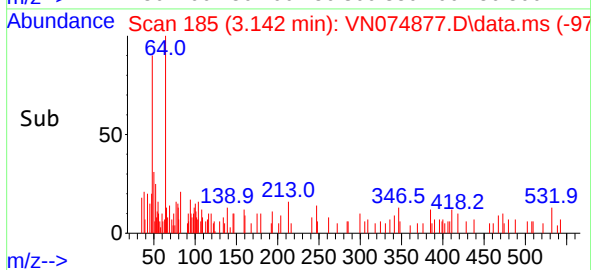
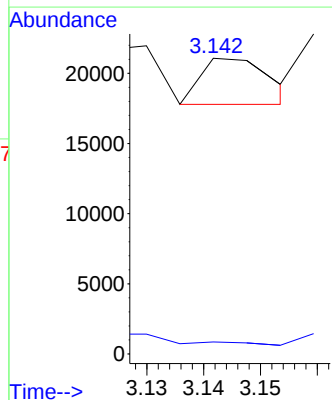
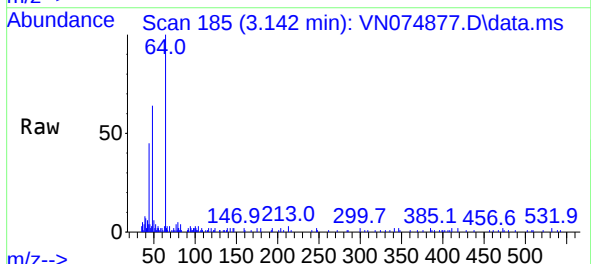
Instrument :
MSVOA_N
ClientSampleId :
IBLK

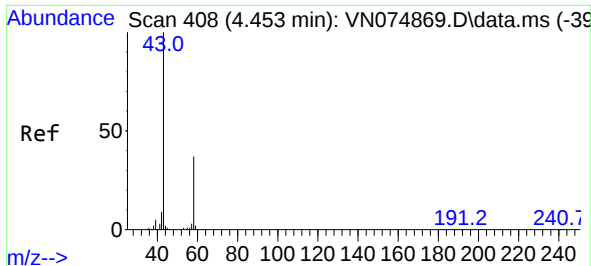
Tgt Ion:128 Resp: 67584
Ion Ratio Lower Upper
128 100
49 198.9 0.0 492.0
130 127.4 0.0 313.3



#6
Chloroethane
Concen: 0.412 ug/l
RT: 3.142 min Scan# 185
Delta R.T. 0.018 min
Lab File: VN074877.D
Acq: 12 Oct 2022 15:42

Tgt Ion: 64 Resp: 2765
Ion Ratio Lower Upper
64 100
66 7.2 21.8 32.8#

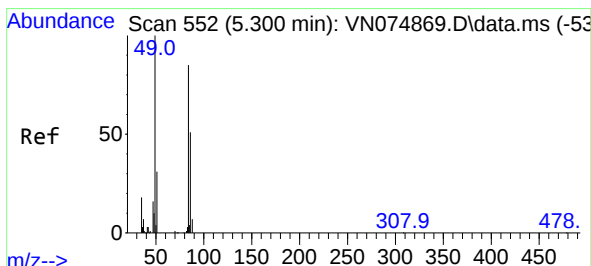
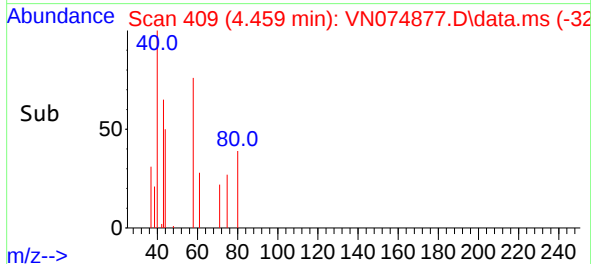
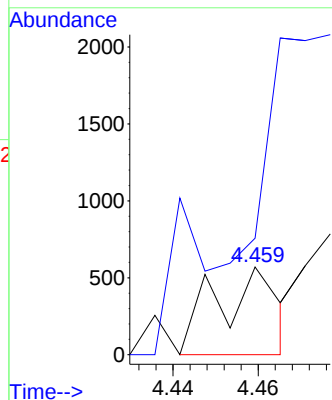
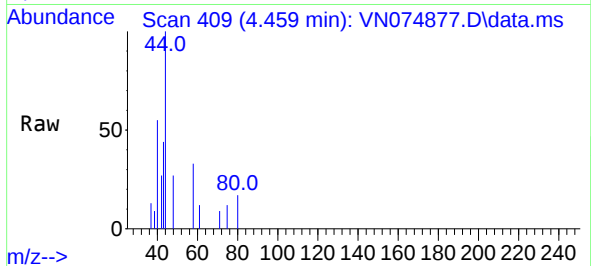




#15
Acetone
Concen: 0.557 ug/l
RT: 4.459 min Scan# 408
Delta R.T. 0.006 min
Lab File: VN074877.D
Acq: 12 Oct 2022 15:42

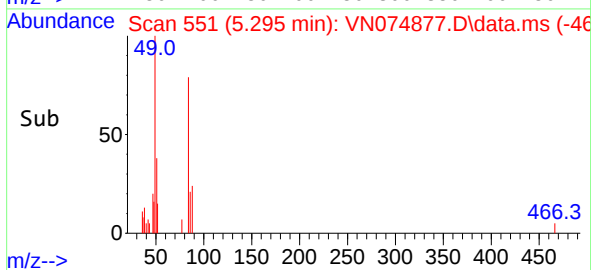
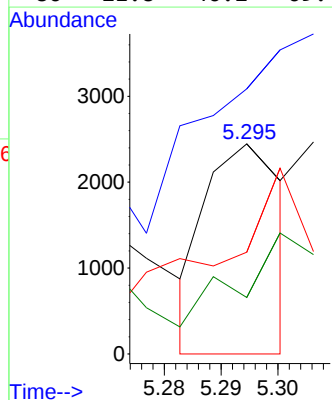
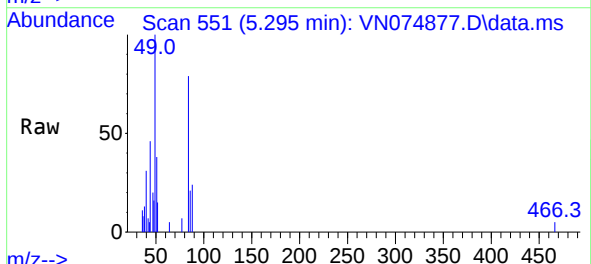
Instrument :
MSVOA_N
ClientSampleId :
IBLK

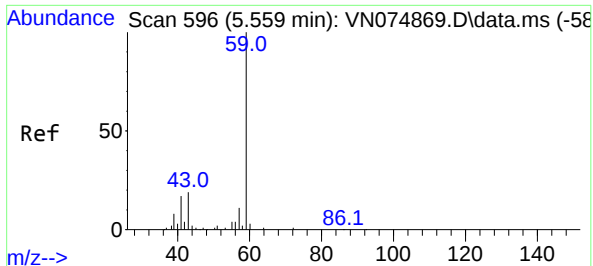
Tgt Ion: 58 Resp: 566
Ion Ratio Lower Upper
58 100
43 0.0 232.2 348.4#



#18
Methylene Chloride
Concen: 0.435 ug/l
RT: 5.295 min Scan# 551
Delta R.T. -0.006 min
Lab File: VN074877.D
Acq: 12 Oct 2022 15:42

Tgt Ion: 84 Resp: 2324
Ion Ratio Lower Upper
84 100
49 27.4 99.6 149.4#
51 4.7 28.2 42.2#
86 21.8 46.2 69.4#





#23

tert-Butyl Alcohol

Concen: 0.315 ug/l

RT: 5.565 min Scan# 59

Delta R.T. 0.006 min

Lab File: VN074877.D

Acq: 12 Oct 2022 15:42

Instrument :

MSVOA_N

ClientSampleId :

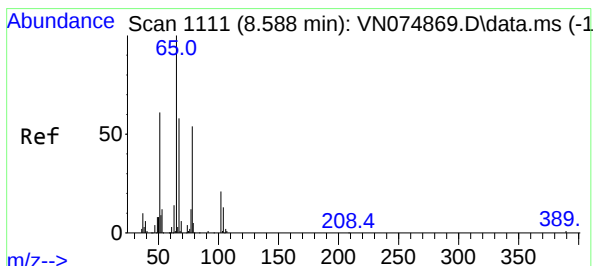
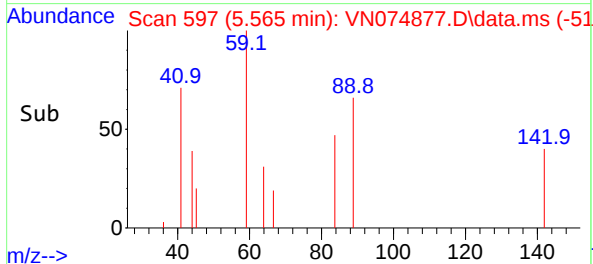
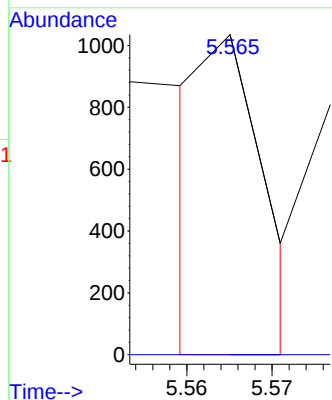
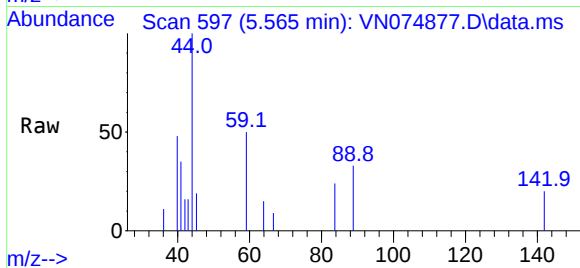
IBLK

Tgt Ion: 59 Resp: 492

Ion Ratio Lower Upper

59 100

52 0.0 0.2 0.4#



#27

1,2-Dichloroethane-d4

Concen: 0.042 ug/l

RT: 8.771 min Scan# 1142

Delta R.T. 0.182 min

Lab File: VN074877.D

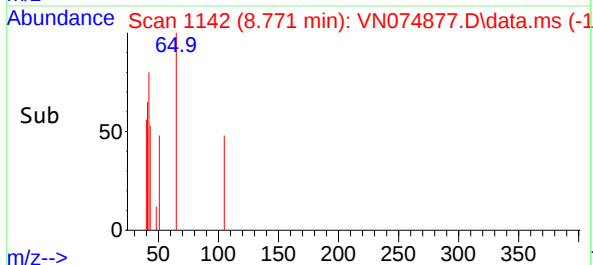
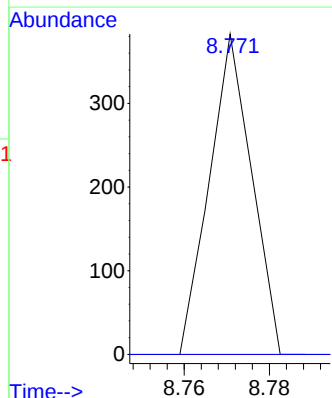
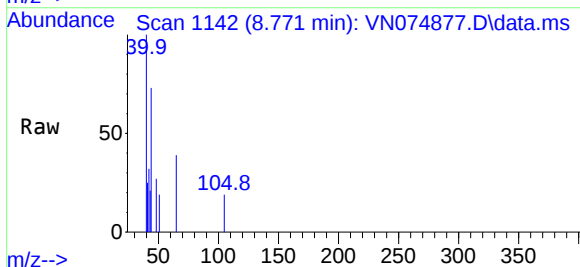
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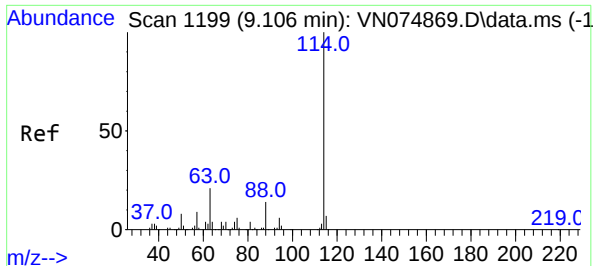
Tgt Ion: 65 Resp: 264

Ion Ratio Lower Upper

65 100

67 59.5 45.2 67.8

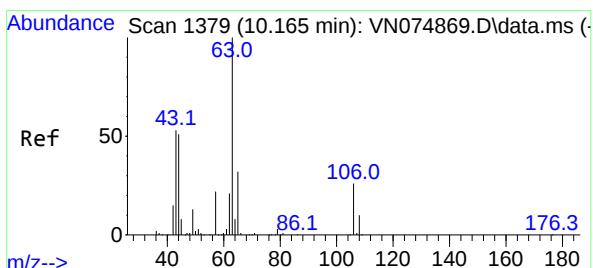
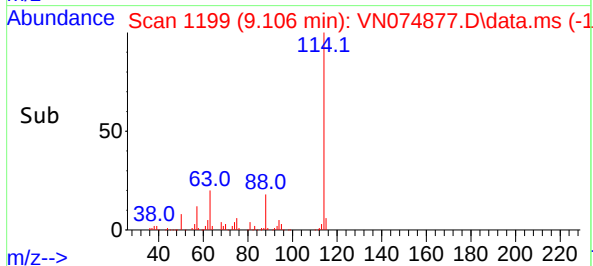
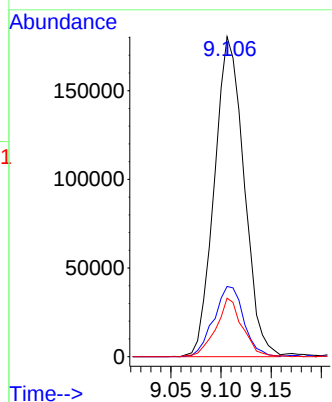
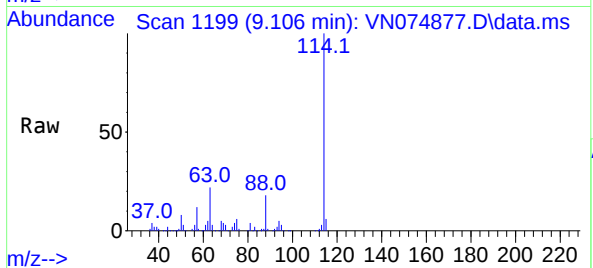




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN074877.D
Acq: 12 Oct 2022 15:42

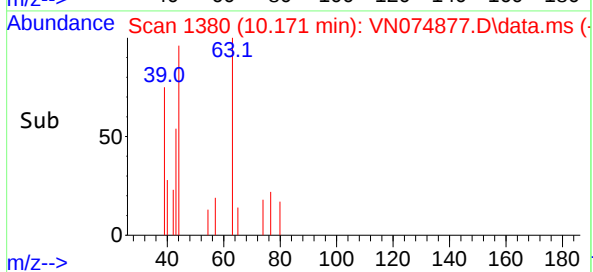
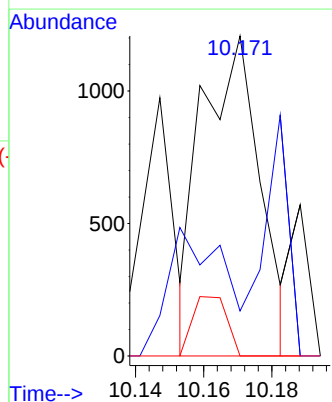
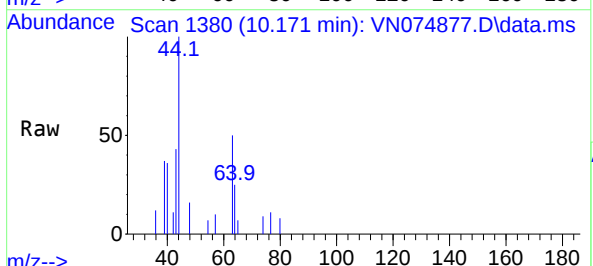
Instrument :
MSVOA_N
ClientSampleId :
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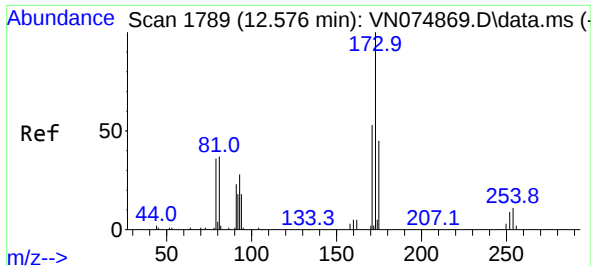
Tgt Ion:114 Resp: 370808
Ion Ratio Lower Upper
114 100
63 22.2 16.6 25.0
88 16.3 12.2 18.4



#55
2-Chloroethyl vinyl ether
Concen: 0.384 ug/l
RT: 10.171 min Scan# 1380
Delta R.T. 0.006 min
Lab File: VN074877.D
Acq: 12 Oct 2022 15:42

Tgt Ion: 63 Resp: 1427
Ion Ratio Lower Upper
63 100
65 0.0 24.6 36.8#
106 0.0 21.3 31.9#

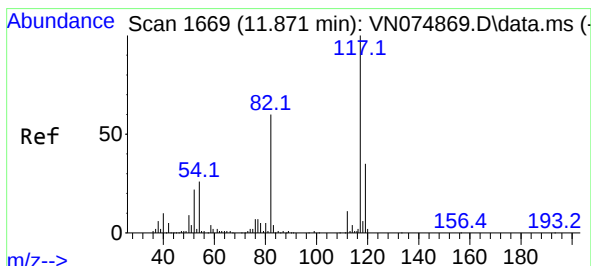
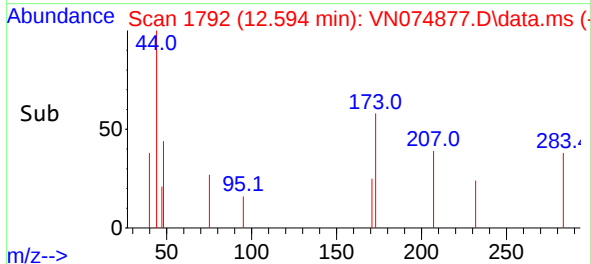
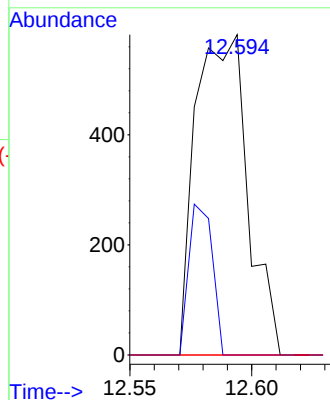
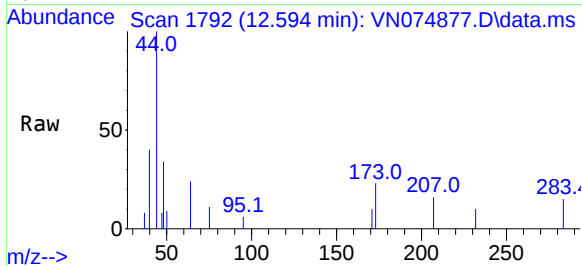




#56
Bromoform
Concen: 0.219 ug/l
RT: 12.594 min Scan# 1792
Delta R.T. 0.018 min
Lab File: VN074877.D
Acq: 12 Oct 2022 15:42

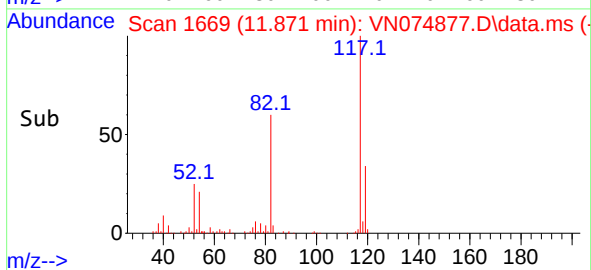
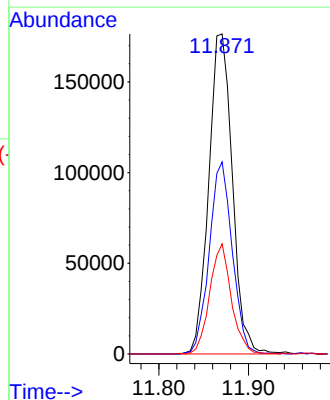
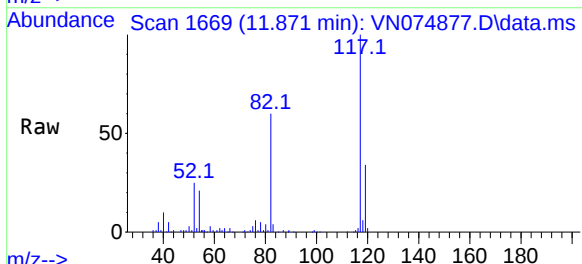
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IBLK

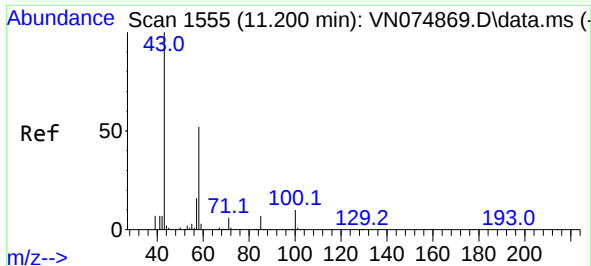
Tgt Ion:173 Resp: 865
Ion Ratio Lower Upper
173 100
175 21.3 39.1 58.7#
254 0.0 7.0 10.6#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VN074877.D
Acq: 12 Oct 2022 15:42

Tgt Ion:117 Resp: 323548
Ion Ratio Lower Upper
117 100
82 58.3 44.6 67.0
119 31.4 25.6 38.4



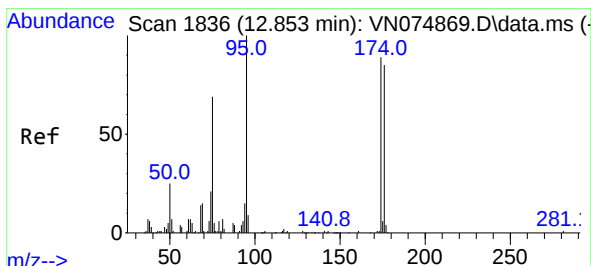
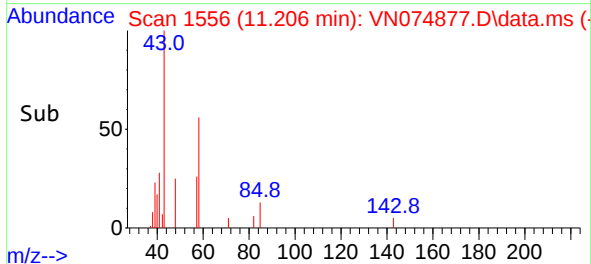
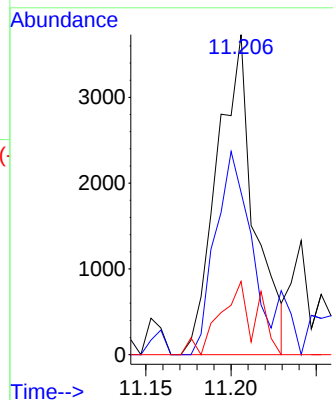
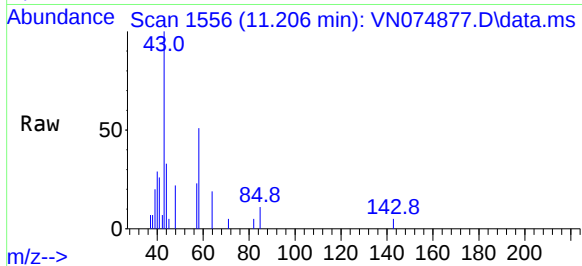


#59
2-Hexanone
Concen: 0.734 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN074877.D
Acq: 12 Oct 2022 15:42

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 43 Resp: 5684

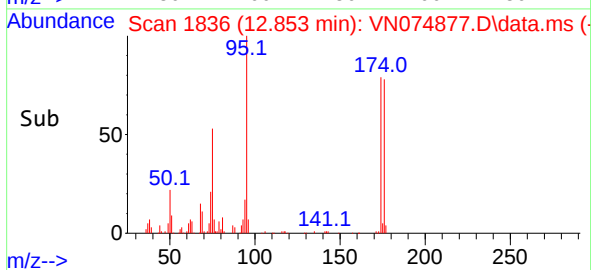
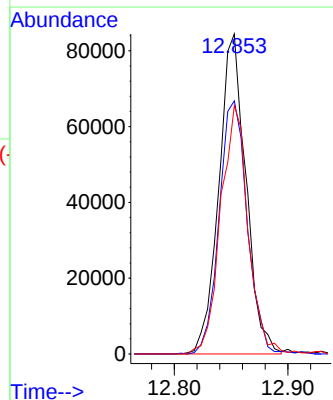
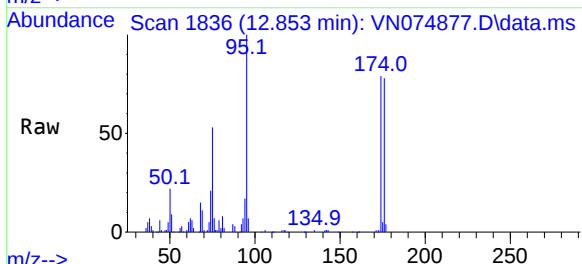
Ion	Ratio	Lower	Upper
43	100		
58	60.1	43.6	65.4
57	15.1	14.3	21.5

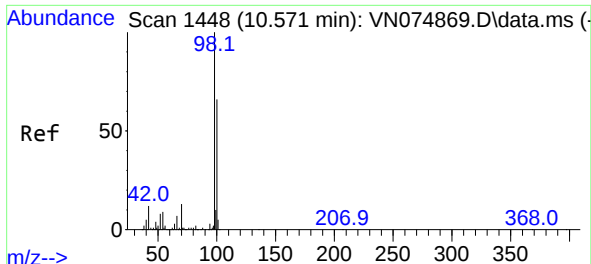


#60
4-Bromofluorobenzene
Concen: 24.361 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN074877.D
Acq: 12 Oct 2022 15:42

Tgt Ion: 95 Resp: 139777

Ion	Ratio	Lower	Upper
95	100		
174	81.5	57.8	86.8
176	78.4	57.0	85.4

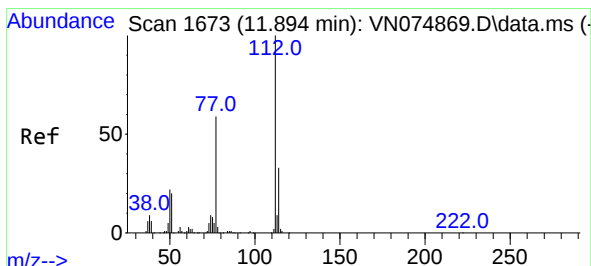
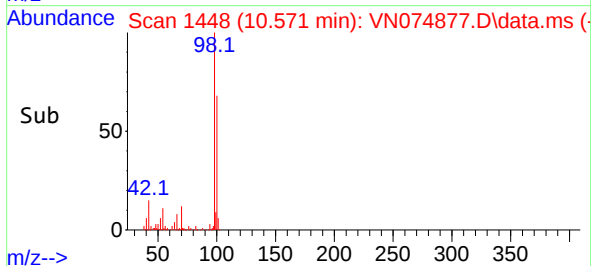
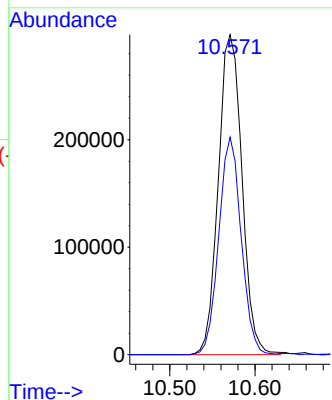
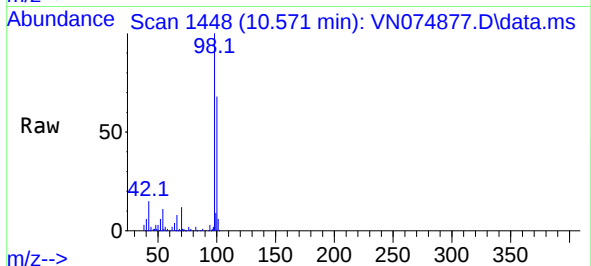




#63
Toluene-d8
Concen: 30.736 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN074877.D
Acq: 12 Oct 2022 15:42

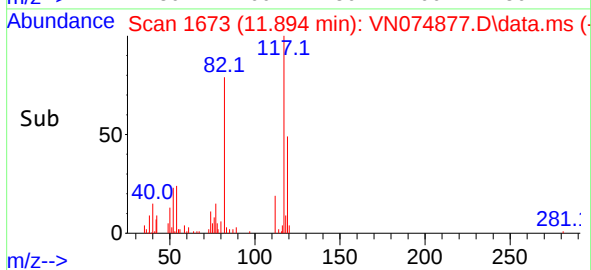
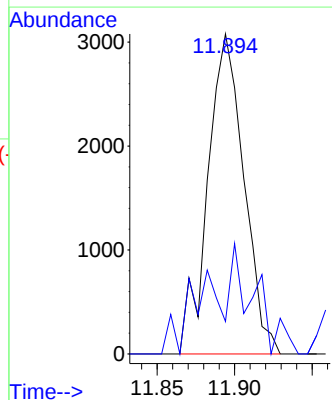
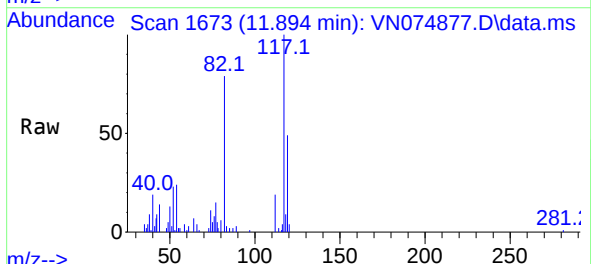
Instrument :
MSVOA_N
ClientSampleId :
IBLK

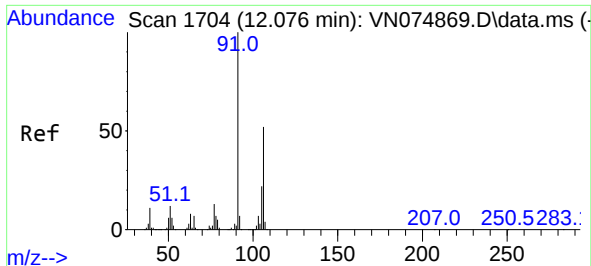
Tgt Ion: 98 Resp: 573946
Ion Ratio Lower Upper
98 100
100 64.4 52.7 79.1



#64
Chlorobenzene
Concen: 0.393 ug/l
RT: 11.894 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VN074877.D
Acq: 12 Oct 2022 15:42

Tgt Ion: 112 Resp: 4994
Ion Ratio Lower Upper
112 100
114 10.1 24.7 37.1#





#67

m/p-Xylenes

Concen: 0.249 ug/l

RT: 12.400 min Scan# 1704

Delta R.T. 0.323 min

Lab File: VN074877.D

Acq: 12 Oct 2022 15:42

Instrument :

MSVOA_N

ClientSampleId :

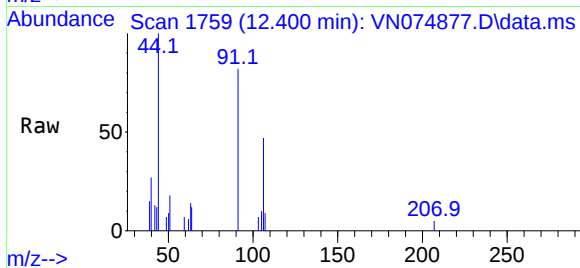
IBLK

Tgt Ion:106 Resp: 2277

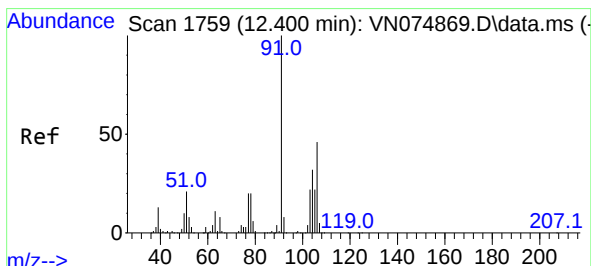
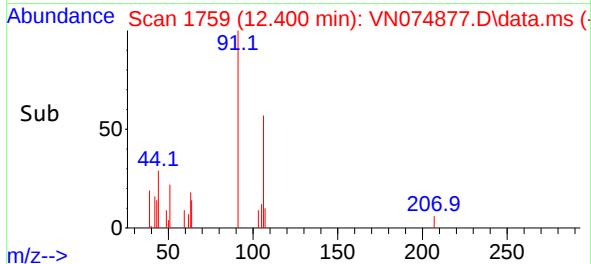
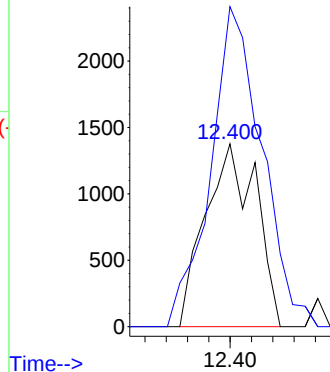
Ion Ratio Lower Upper

106 100

91 177.0 164.2 246.4



Abundance



#68

o-Xylene

Concen: 0.245 ug/l

RT: 12.400 min Scan# 1759

Delta R.T. -0.000 min

Lab File: VN074877.D

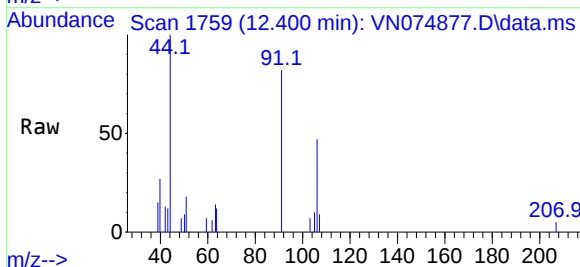
Acq: 12 Oct 2022 15:42

Tgt Ion:106 Resp: 2277

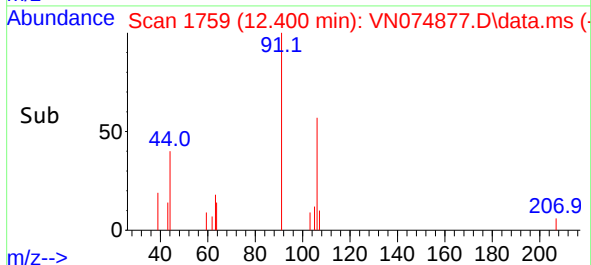
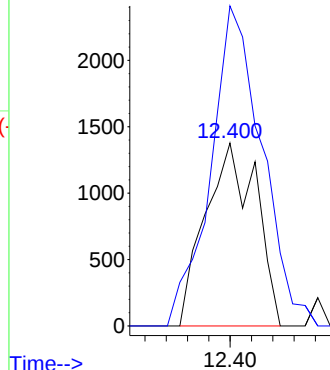
Ion Ratio Lower Upper

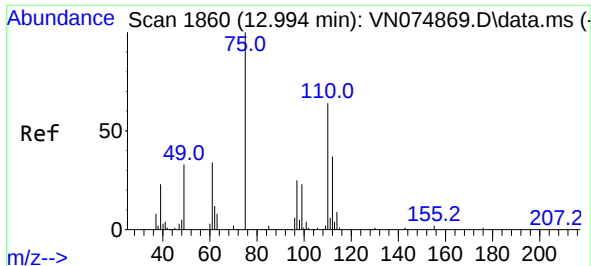
106 100

91 177.0 108.5 325.5



Abundance

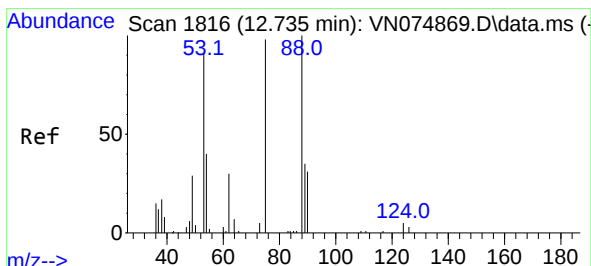
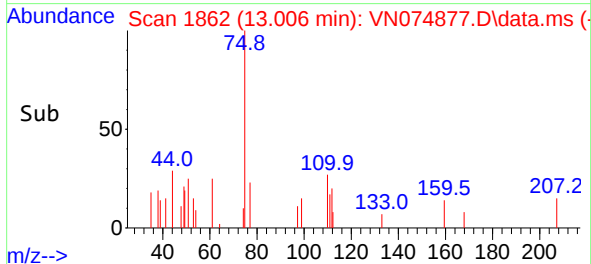
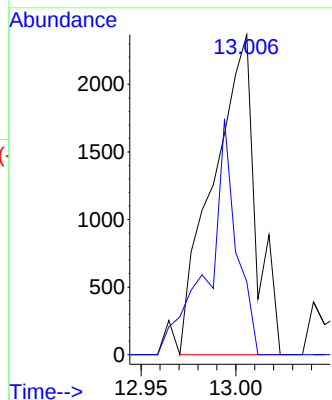
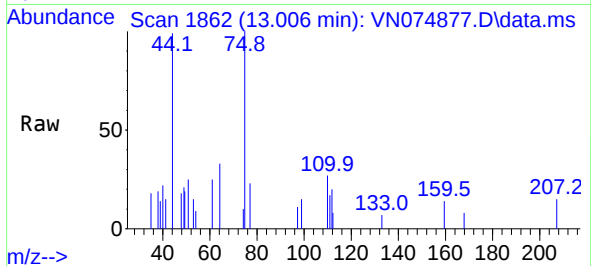




#72
1,2,3-Trichloropropane
Concen: 0.491 ug/l
RT: 13.006 min Scan# 1862
Delta R.T. 0.012 min
Lab File: VN074877.D
Acq: 12 Oct 2022 15:42

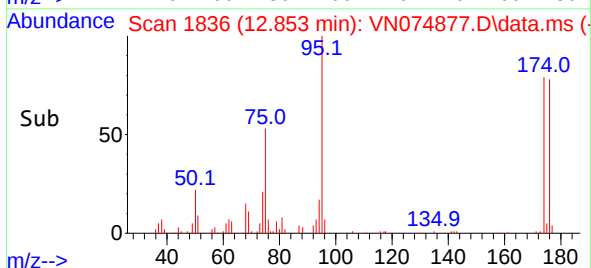
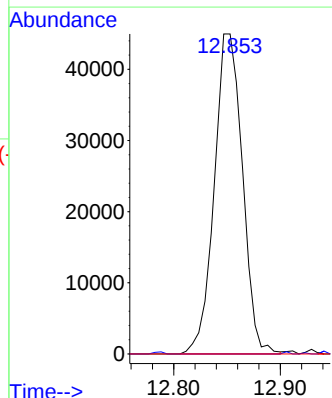
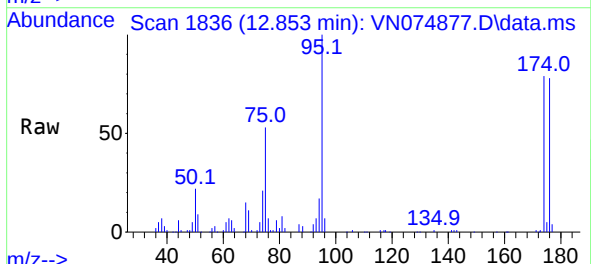
Instrument :
MSVOA_N
ClientSampleId :
IBLK

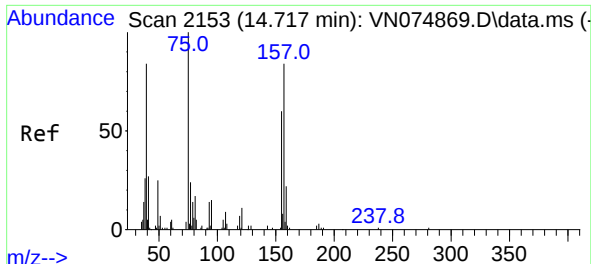
Tgt Ion: 75 Resp: 3691
Ion Ratio Lower Upper
75 100
77 29.1 0.0 372.4



#77
t-1,4-Dichloro-2-butene
Concen: 26.375 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN074877.D
Acq: 12 Oct 2022 15:42

Tgt Ion: 75 Resp: 82440
Ion Ratio Lower Upper
75 100
53 0.0 43.3 129.9#
89 0.0 21.1 63.1#

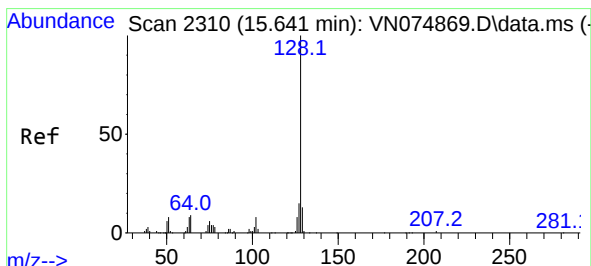
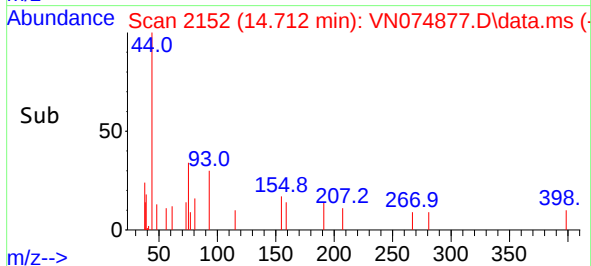
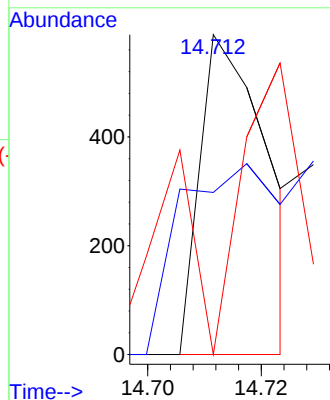
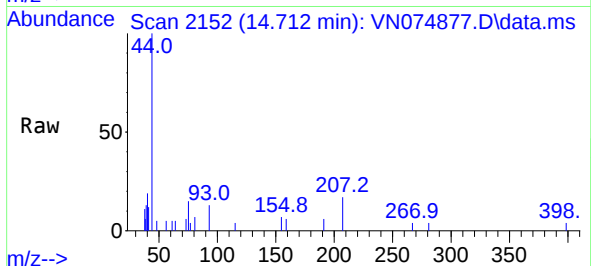




#88
1,2-Dibromo-3-Chloropropane
Concen: 0.271 ug/l
RT: 14.712 min Scan# 2153
Delta R.T. -0.006 min
Lab File: VN074877.D
Acq: 12 Oct 2022 15:42

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 75 Resp: 489
Ion Ratio Lower Upper
75 100
155 88.8 66.3 99.5
157 40.3 84.3 126.5#



#91
Naphthalene
Concen: 0.222 ug/l
RT: 15.647 min Scan# 2311
Delta R.T. 0.006 min
Lab File: VN074877.D
Acq: 12 Oct 2022 15:42

Tgt Ion: 128 Resp: 3910
Ion Ratio Lower Upper
128 100
127 6.4 10.7 16.1#
129 7.2 8.9 13.3#

