

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062323\
 Data File : VN078372.D
 Acq On : 23 Jun 2023 12:21
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Jun 24 01:04:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062323W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jun 24 00:59:50 2023
 Response via : Initial Calibration

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

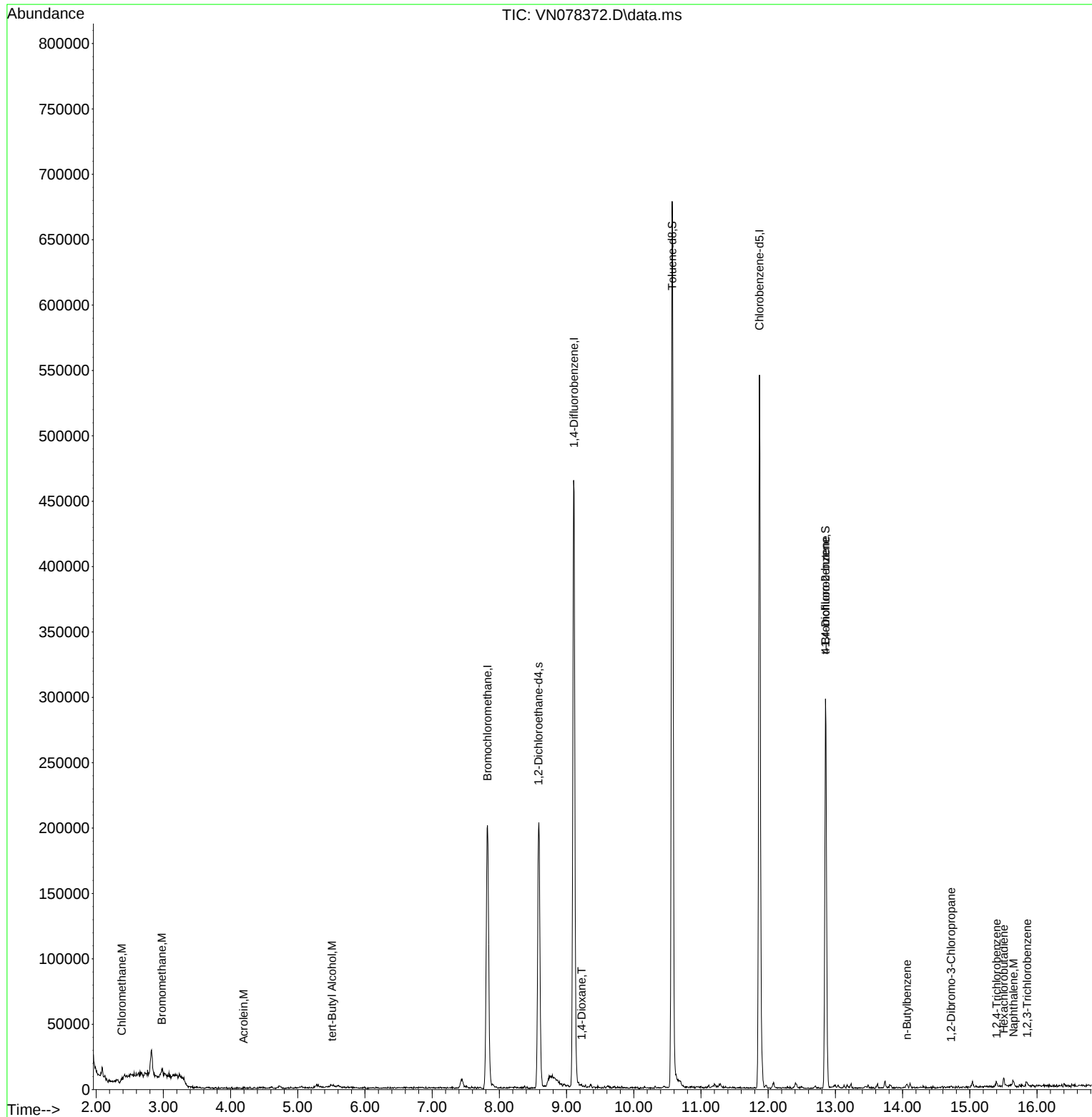
Internal Standards						
1) Bromochloromethane	7.824	128	73668	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.112	114	419200	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	326235	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	173257	31.232	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.100%
60) 4-Bromofluorobenzene	12.853	95	107723	23.437	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	78.133%
63) Toluene-d8	10.571	98	501335	31.716	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	105.733%
Target Compounds						
					Qvalue	
3) Chloromethane	2.383	50	1317	0.245	ug/l #	44
5) Bromomethane	2.977	94	1712	0.318	ug/l #	53
13) Acrolein	4.195	56	255	0.316	ug/l #	66
23) tert-Butyl Alcohol	5.512	59	306	0.469	ug/l #	100
45) 1,4-Dioxane	9.224	88	128	1.675	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.853	75	55090	36.124	ug/l #	15
85) n-Butylbenzene	14.065	91	2090	0.237	ug/l	89
88) 1,2-Dibromo-3-Chloropr...	14.723	75	222	0.260	ug/l #	43
89) 1,2,4-Trichlorobenzene	15.400	180	955	0.479	ug/l	94
90) Hexachlorobutadiene	15.506	225	1251	0.923	ug/l	76
91) Naphthalene	15.653	128	4253	0.651	ug/l #	69
92) 1,2,3-Trichlorobenzene	15.853	180	904	0.392	ug/l	67

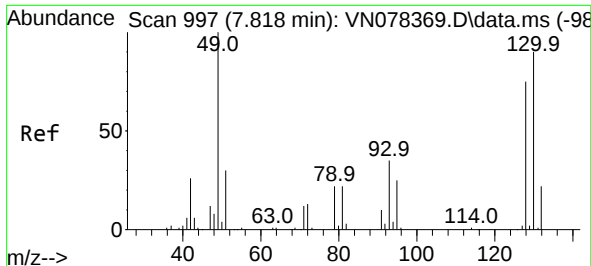
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062323\
Data File : VN078372.D
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Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Quant Time: Jun 24 01:04:57 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062323W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Jun 24 00:59:50 2023
Response via : Initial Calibration

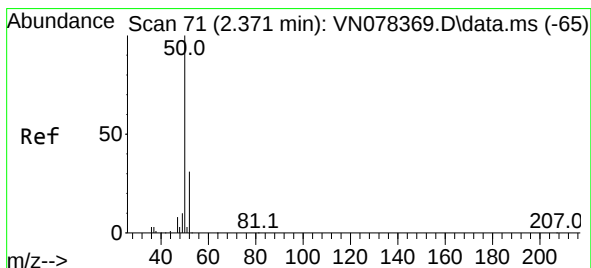
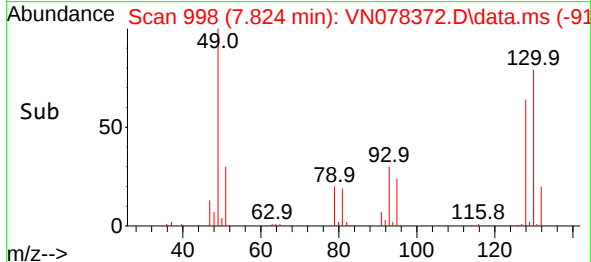
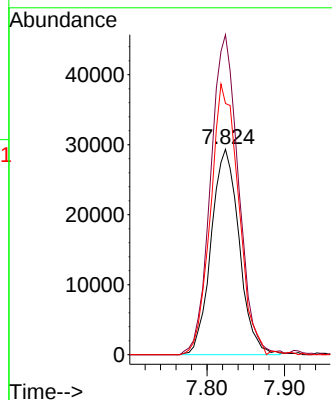
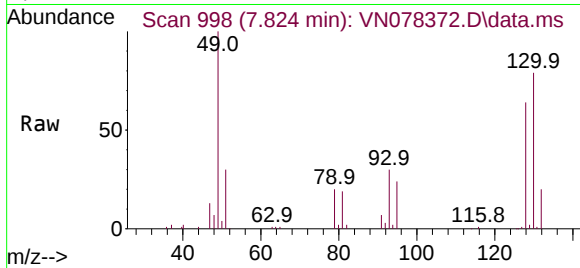




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN078372.D
Acq: 23 Jun 2023 12:21

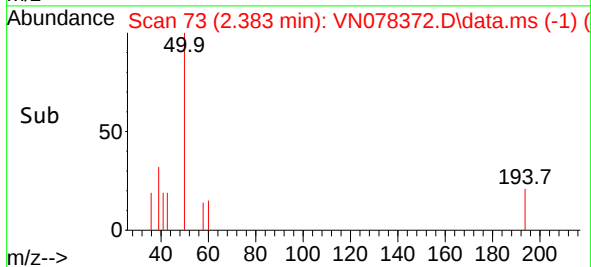
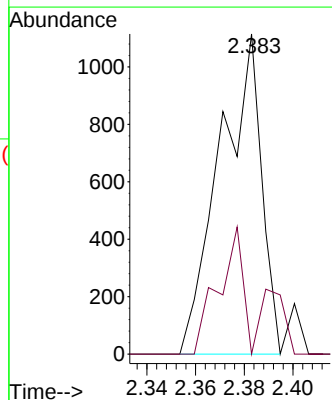
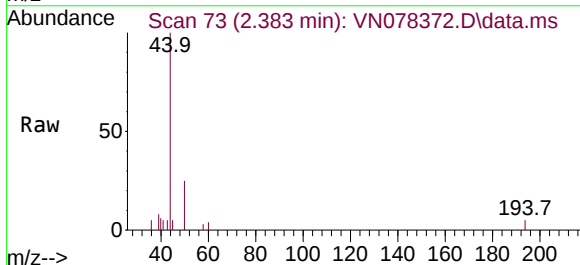
Instrument :
MSVOA_N
ClientSampleId :
IBLK

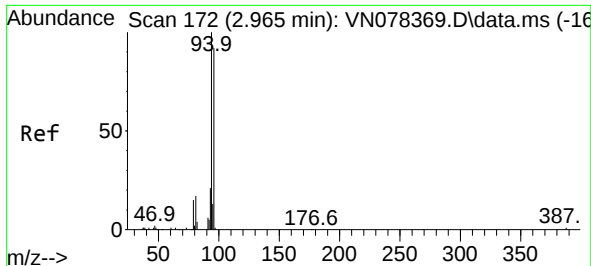
Tgt Ion:128 Resp: 73668
Ion Ratio Lower Upper
128 100
49 154.7 0.0 370.8
130 131.8 0.0 307.0



#3
Chloromethane
Concen: 0.245 ug/l
RT: 2.383 min Scan# 73
Delta R.T. 0.012 min
Lab File: VN078372.D
Acq: 23 Jun 2023 12:21

Tgt Ion: 50 Resp: 1317
Ion Ratio Lower Upper
50 100
52 0.0 24.6 36.8#

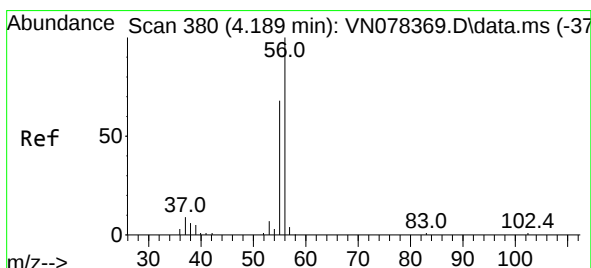
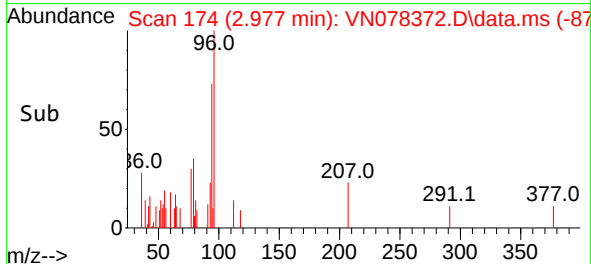
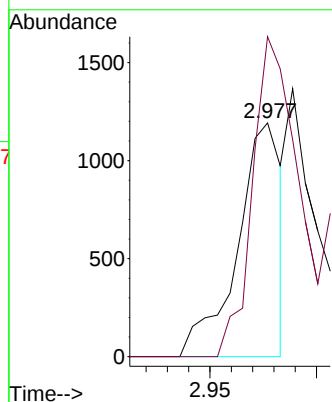
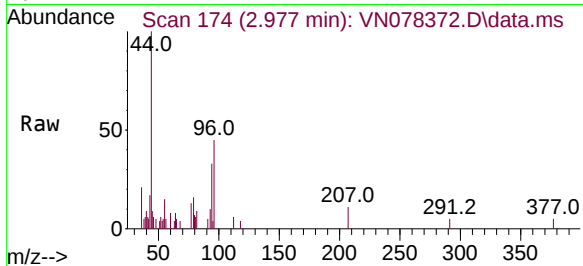




#5
Bromomethane
Concen: 0.318 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN078372.D
Acq: 23 Jun 2023 12:21

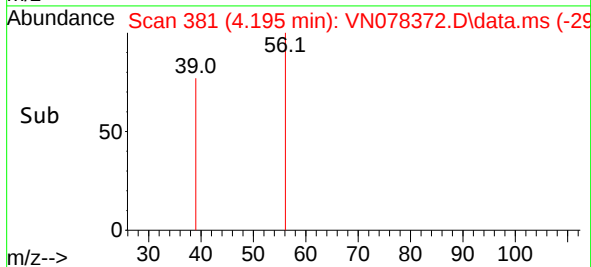
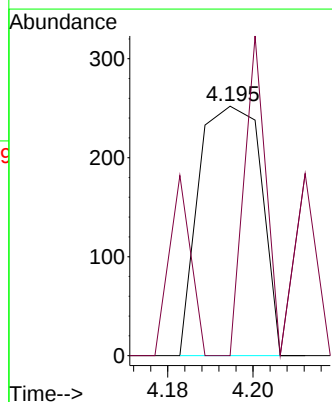
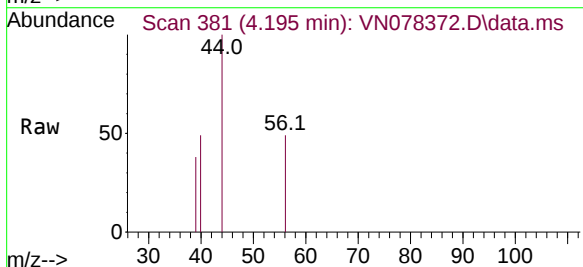
Instrument :
MSVOA_N
ClientSampleId :
IBLK

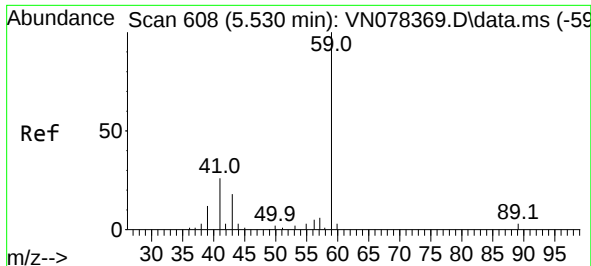
Tgt Ion: 94 Resp: 1712
Ion Ratio Lower Upper
94 100
96 136.9 73.9 110.9#



#13
Acrolein
Concen: 0.316 ug/l
RT: 4.195 min Scan# 381
Delta R.T. 0.006 min
Lab File: VN078372.D
Acq: 23 Jun 2023 12:21

Tgt Ion: 56 Resp: 255
Ion Ratio Lower Upper
56 100
55 44.7 59.0 88.4#

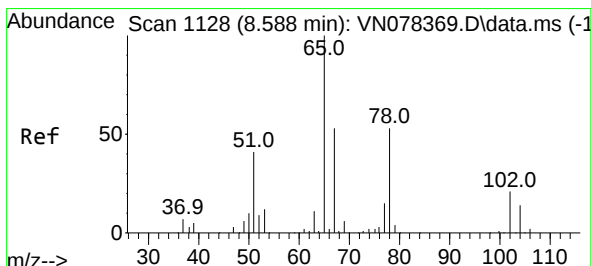
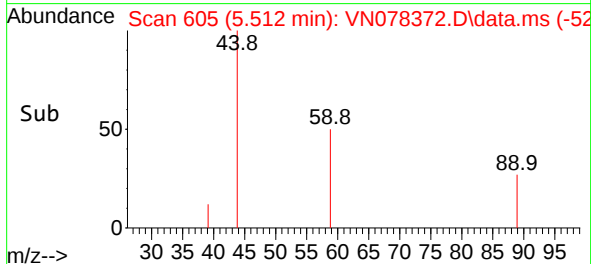
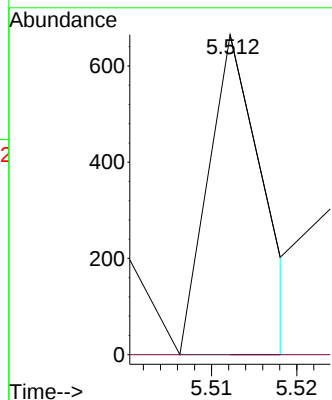
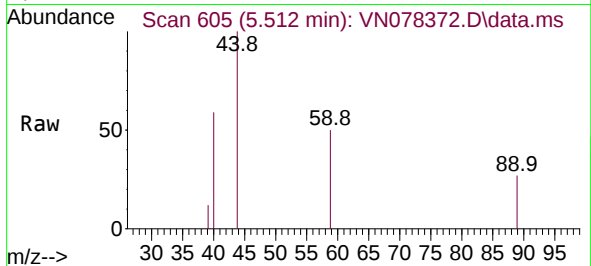




#23
tert-Butyl Alcohol
Concen: 0.469 ug/l
RT: 5.512 min Scan# 608
Delta R.T. -0.017 min
Lab File: VN078372.D
Acq: 23 Jun 2023 12:21

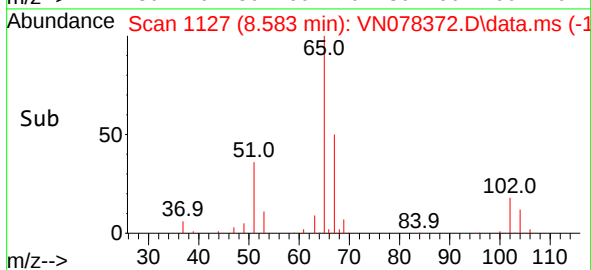
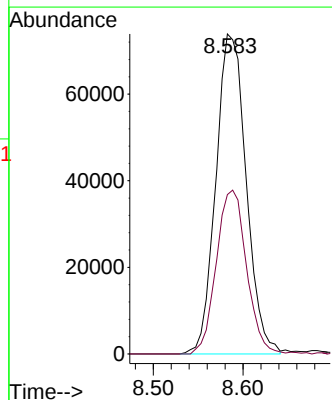
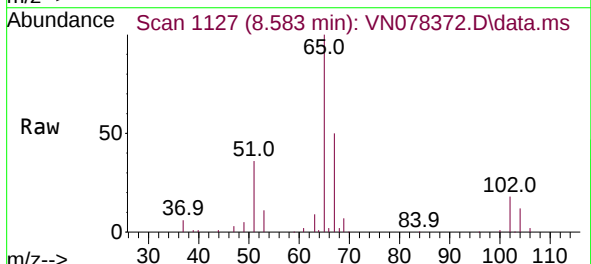
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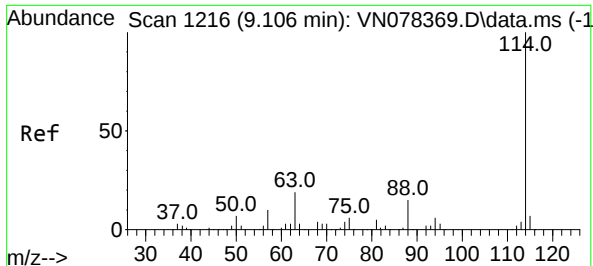
Tgt Ion: 59 Resp: 306
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1#



#27
1,2-Dichloroethane-d4
Concen: 31.232 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN078372.D
Acq: 23 Jun 2023 12:21

Tgt Ion: 65 Resp: 173257
Ion Ratio Lower Upper
65 100
67 51.0 42.9 64.3

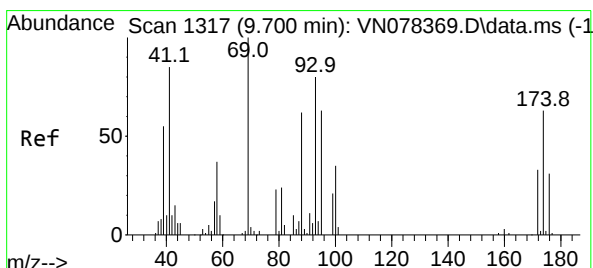
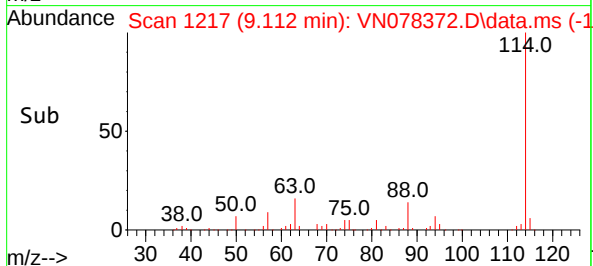
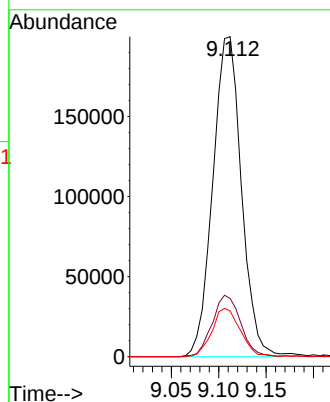
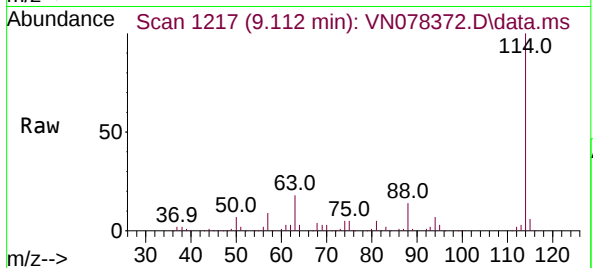




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.112 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN078372.D
Acq: 23 Jun 2023 12:21

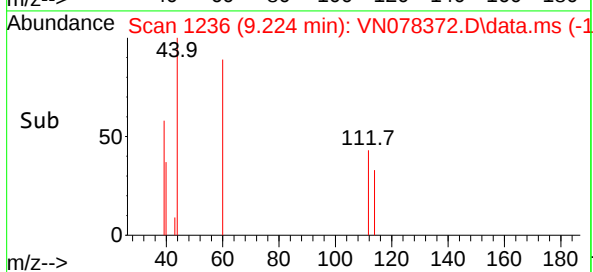
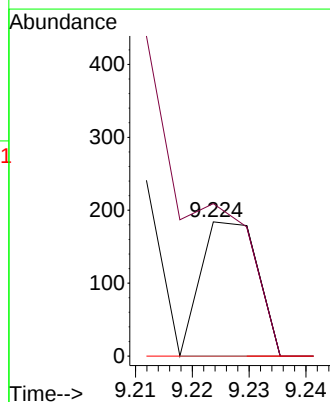
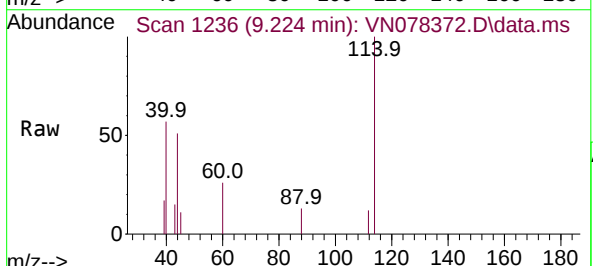
Instrument :
MSVOA_N
ClientSampleId :
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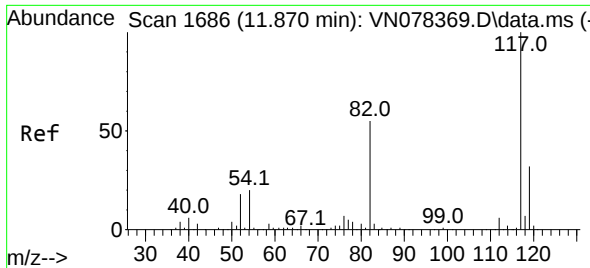
Tgt Ion:114 Resp: 419200
Ion Ratio Lower Upper
114 100
63 19.2 15.2 22.8
88 14.8 12.5 18.7



#45
1,4-Dioxane
Concen: 1.675 ug/l
RT: 9.224 min Scan# 1236
Delta R.T. -0.476 min
Lab File: VN078372.D
Acq: 23 Jun 2023 12:21

Tgt Ion: 88 Resp: 128
Ion Ratio Lower Upper
88 100
43 106.3 19.0 28.6#
58 0.0 48.2 72.2#

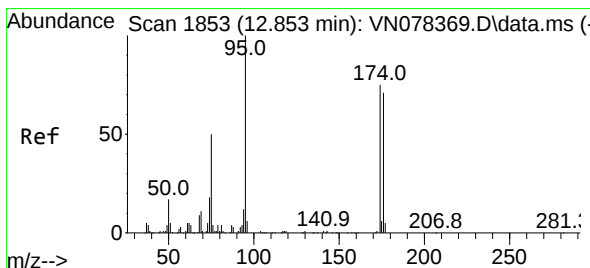
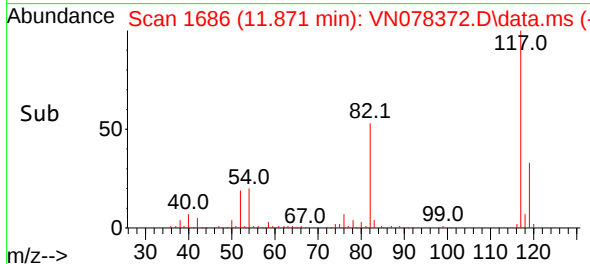
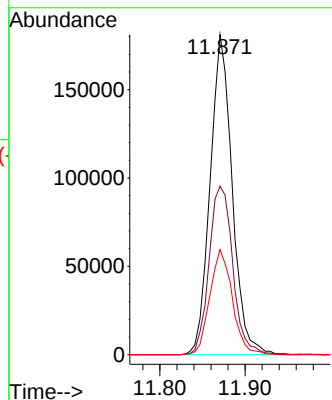
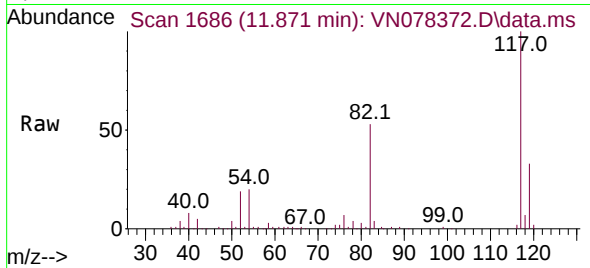




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN078372.D
Acq: 23 Jun 2023 12:21

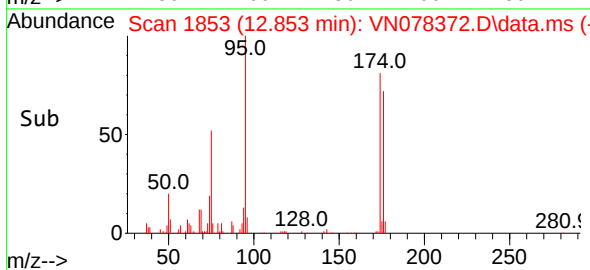
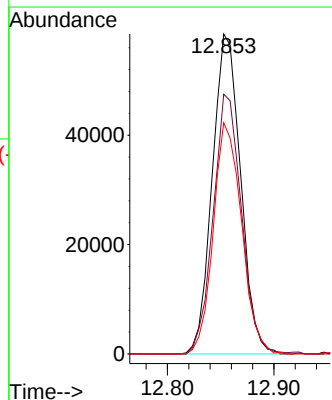
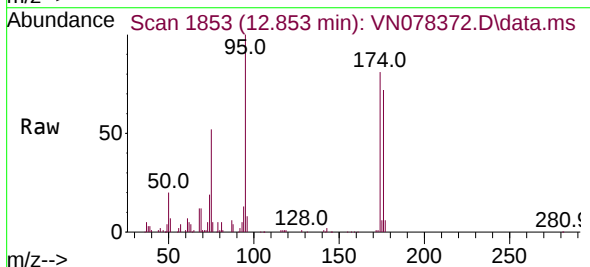
Instrument :
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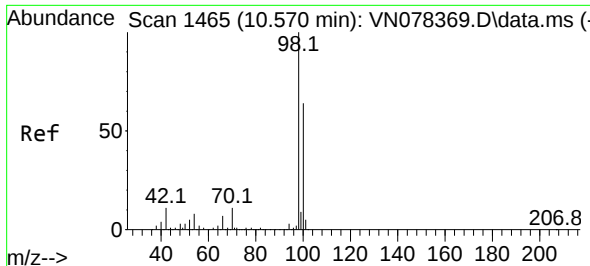
Tgt Ion:117 Resp: 326235
Ion Ratio Lower Upper
117 100
82 56.6 43.9 65.9
119 33.5 26.2 39.4



#60
4-Bromofluorobenzene
Concen: 23.437 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078372.D
Acq: 23 Jun 2023 12:21

Tgt Ion: 95 Resp: 107723
Ion Ratio Lower Upper
95 100
174 81.1 61.7 92.5
176 72.3 58.1 87.1

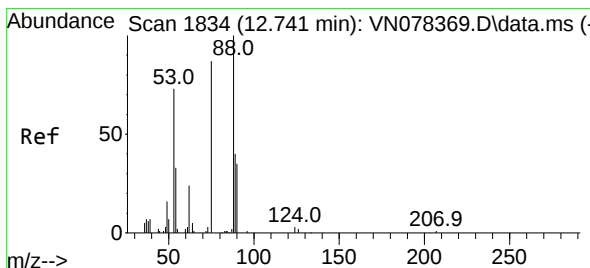
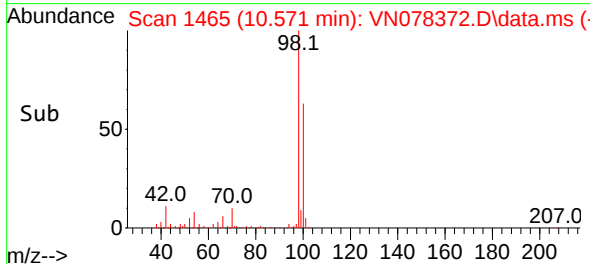
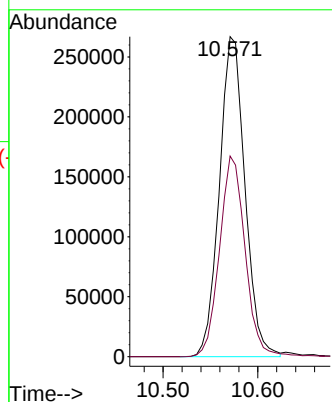
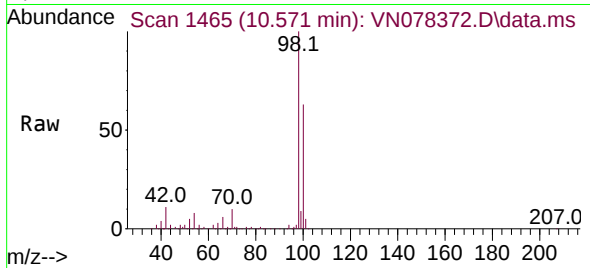




#63
Toluene-d8
Concen: 31.716 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN078372.D
Acq: 23 Jun 2023 12:21

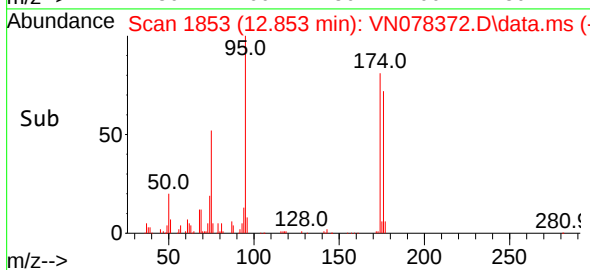
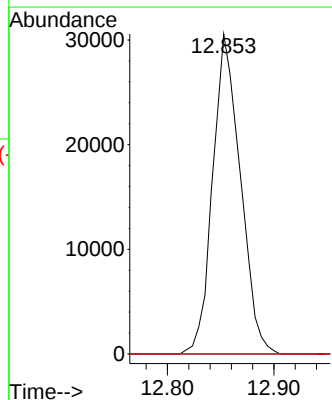
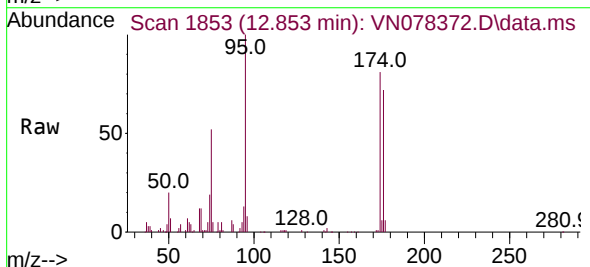
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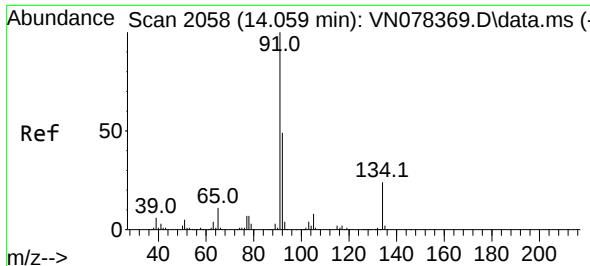
Tgt Ion: 98 Resp: 501335
Ion Ratio Lower Upper
98 100
100 62.6 49.7 74.5



#77
t-1,4-Dichloro-2-butene
Concen: 36.124 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078372.D
Acq: 23 Jun 2023 12:21

Tgt Ion: 75 Resp: 55090
Ion Ratio Lower Upper
75 100
53 0.0 41.6 124.9#
89 0.0 25.1 75.4#

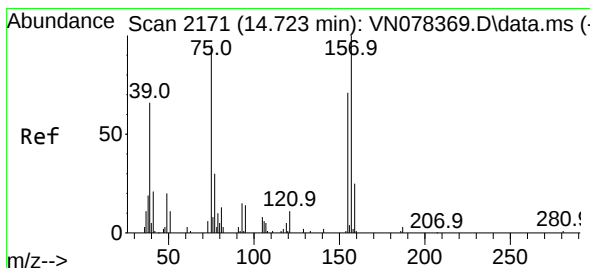
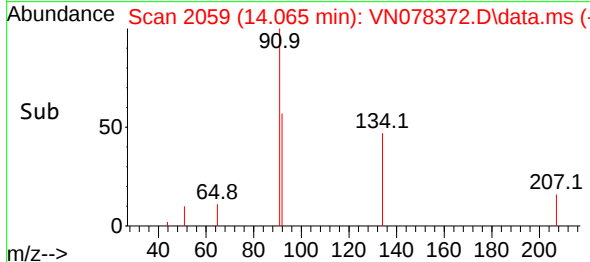
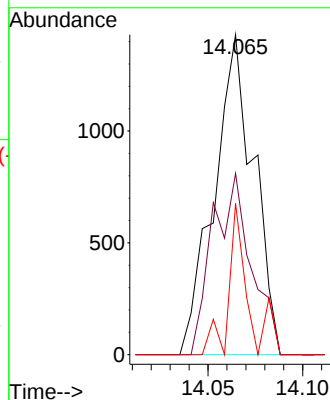
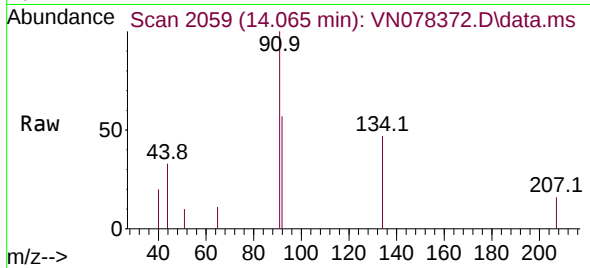




#85
n-Butylbenzene
Concen: 0.237 ug/l
RT: 14.065 min Scan# 2058
Delta R.T. 0.006 min
Lab File: VN078372.D
Acq: 23 Jun 2023 12:21

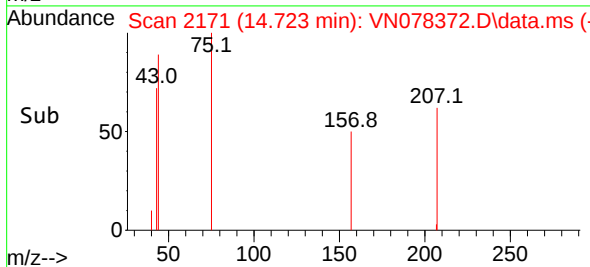
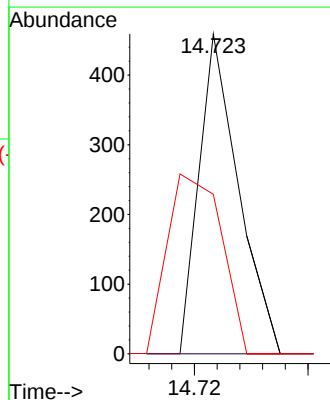
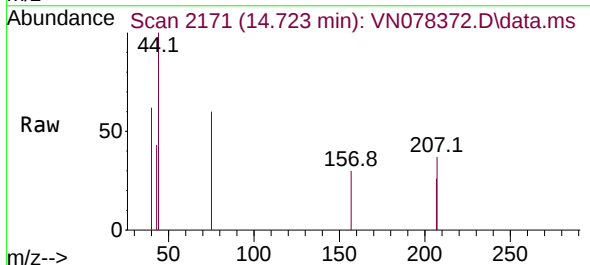
Instrument :
MSVOA_N
ClientSampleId :
IBLK

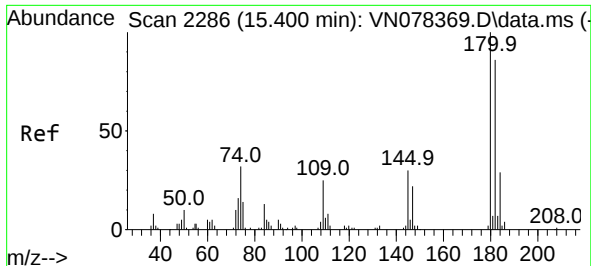
Tgt Ion: 91	Resp:	2090
Ion Ratio	Lower	Upper
91	100	
92	55.0	0.0 99.6
134	15.7	0.0 50.0



#88
1,2-Dibromo-3-Chloropropane
Concen: 0.260 ug/l
RT: 14.723 min Scan# 2171
Delta R.T. 0.000 min
Lab File: VN078372.D
Acq: 23 Jun 2023 12:21

Tgt Ion: 75	Resp:	222
Ion Ratio	Lower	Upper
75	100	
155	0.0	68.2 102.2#
157	77.5	84.7 127.1#

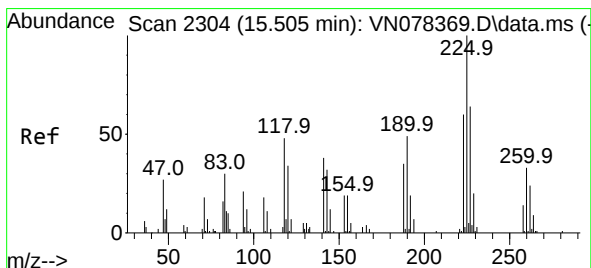
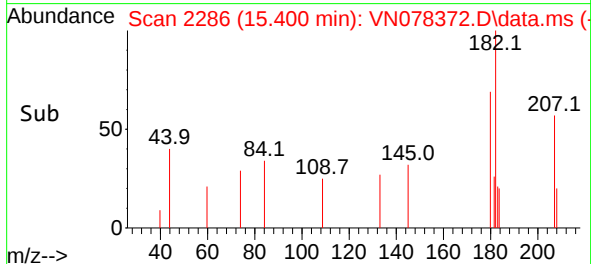
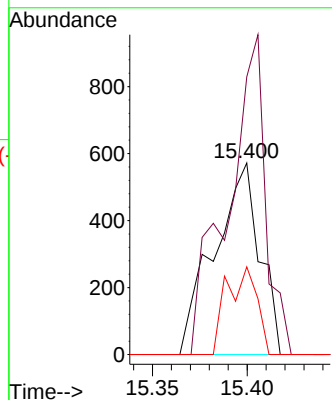
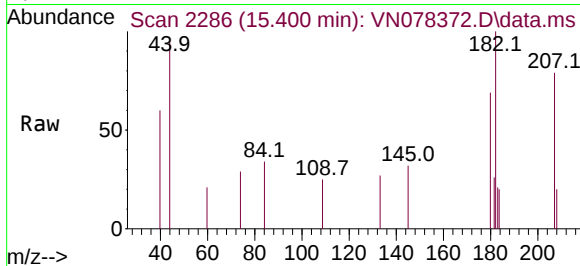




#89
1,2,4-Trichlorobenzene
Concen: 0.479 ug/l
RT: 15.400 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN078372.D
Acq: 23 Jun 2023 12:21

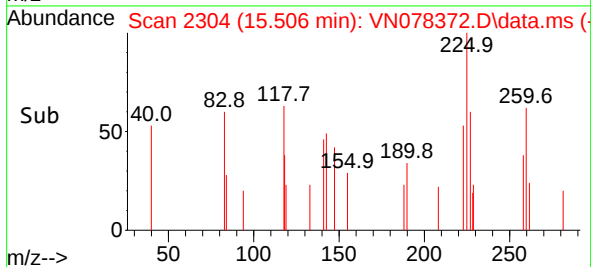
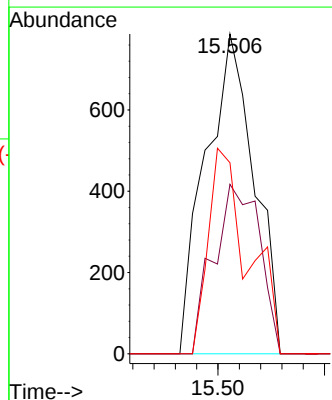
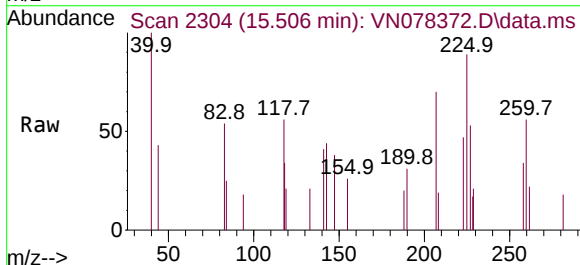
Instrument :
MSVOA_N
ClientSampleId :
IBLK

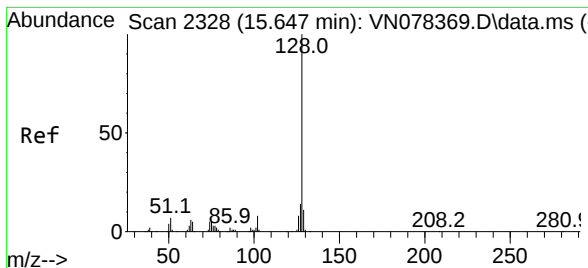
Tgt Ion:180 Resp: 955
Ion Ratio Lower Upper
180 100
182 98.6 73.7 110.5
145 30.4 25.0 37.6



#90
Hexachlorobutadiene
Concen: 0.923 ug/l
RT: 15.506 min Scan# 2304
Delta R.T. 0.000 min
Lab File: VN078372.D
Acq: 23 Jun 2023 12:21

Tgt Ion:225 Resp: 1251
Ion Ratio Lower Upper
225 100
223 50.2 0.0 130.0
227 38.6 0.0 124.0





#91

Naphthalene

Concen: 0.651 ug/l

RT: 15.653 min Scan# 2329

Delta R.T. 0.006 min

Lab File: VN078372.D

Acq: 23 Jun 2023 12:21

Instrument :

MSVOA_N

ClientSampleId :

IBLK

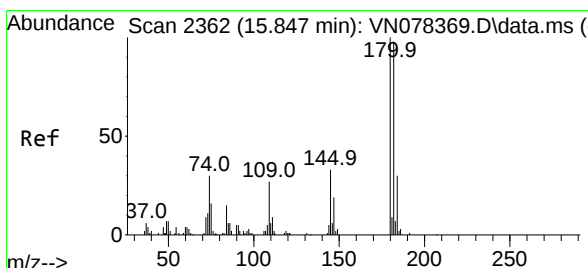
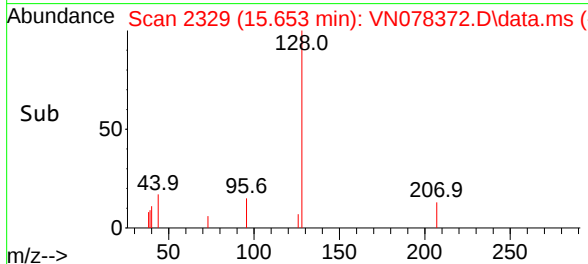
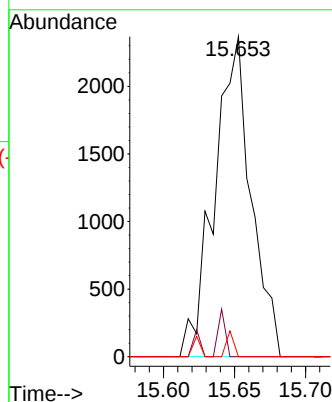
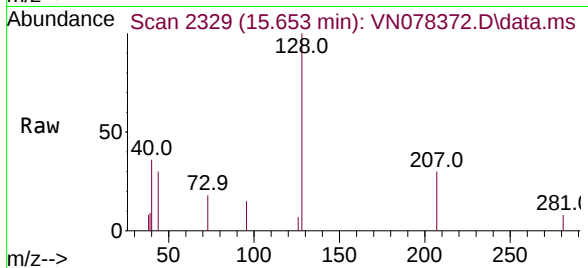
Tgt Ion:128 Resp: 4253

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 0.0 9.0 13.4#



#92

1,2,3-Trichlorobenzene

Concen: 0.392 ug/l

RT: 15.853 min Scan# 2363

Delta R.T. 0.006 min

Lab File: VN078372.D

Acq: 23 Jun 2023 12:21

Tgt Ion:180 Resp: 904

Ion Ratio Lower Upper

180 100

182 136.1 0.0 196.4

145 45.5 0.0 71.0

