

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062623\
 Data File : VN078403.D
 Acq On : 26 Jun 2023 15:36
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Jun 27 02:17:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

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

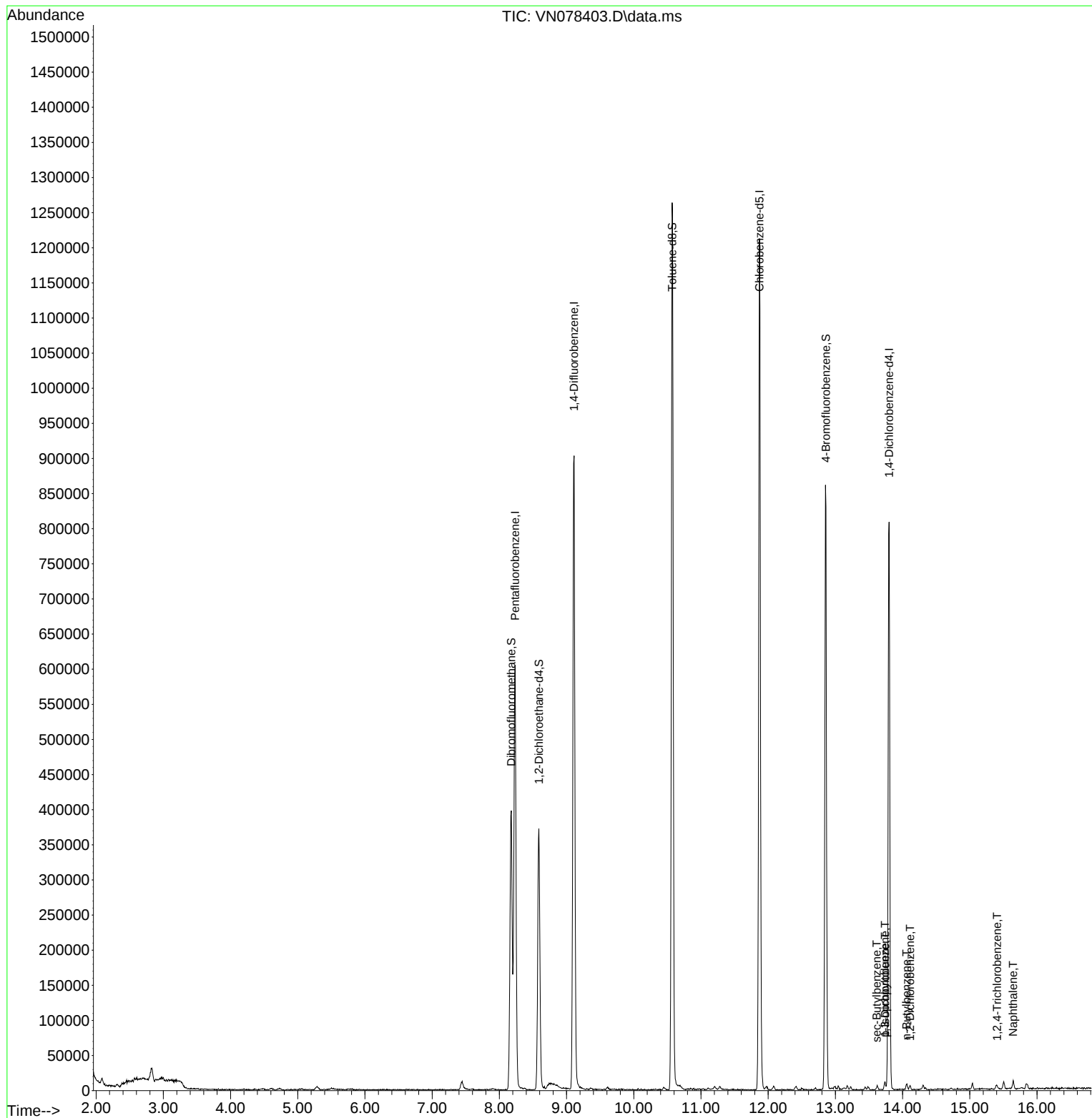
Internal Standards						
1) Pentafluorobenzene	8.236	168	434456	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	800034	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	722836	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	220424	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	301832	52.106	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.220%	
35) Dibromofluoromethane	8.177	113	290277	57.384	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 114.760%	
50) Toluene-d8	10.571	98	928559	47.616	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 95.240%	
62) 4-Bromofluorobenzene	12.859	95	298873	49.299	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 98.600%	
Target Compounds						
						Qvalue
85) sec-Butylbenzene	13.618	105	4151	0.216	ug/l	98
86) p-Isopropyltoluene	13.741	119	3208	0.206	ug/l	92
87) 1,3-Dichlorobenzene	13.741	146	2344	0.286	ug/l	84
89) n-Butylbenzene	14.059	91	5243	0.427	ug/l	89
91) 1,2-Dichlorobenzene	14.112	146	2270	0.284	ug/l	86
93) 1,2,4-Trichlorobenzene	15.406	180	2340	0.821	ug/l	95
95) Naphthalene	15.647	128	8741	0.912	ug/l #	92

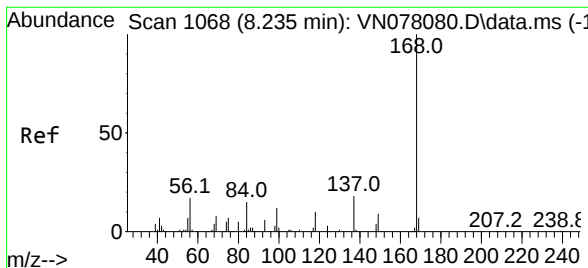
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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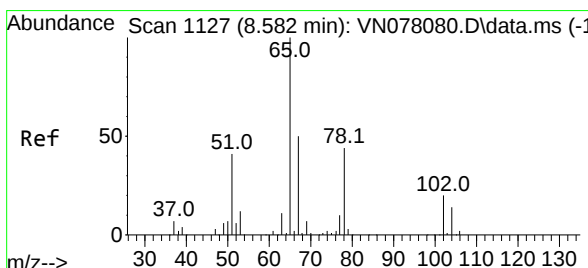
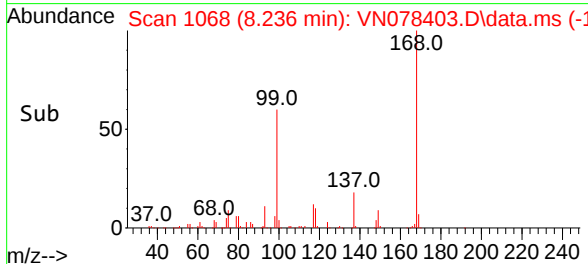
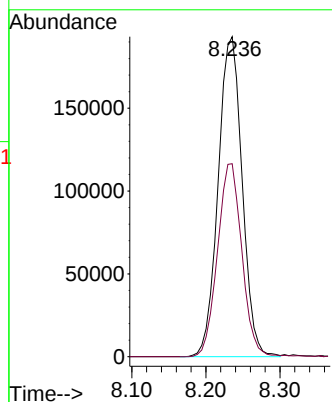
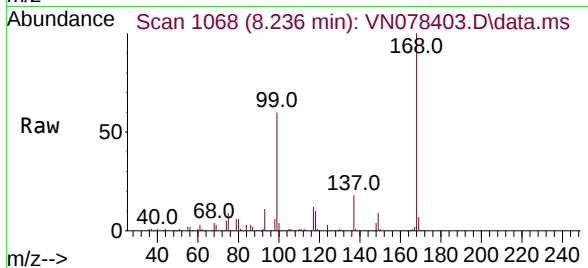




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1108
Delta R.T. 0.001 min
Lab File: VN078403.D
Acq: 26 Jun 2023 15:36

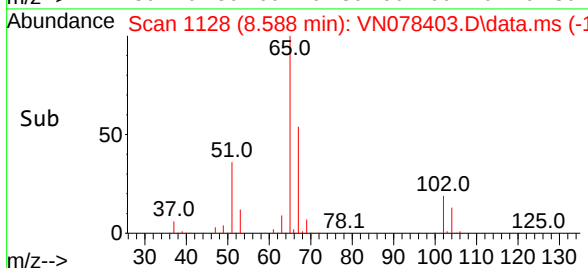
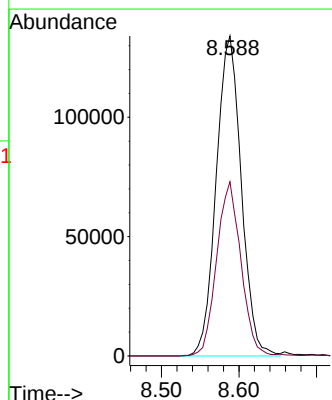
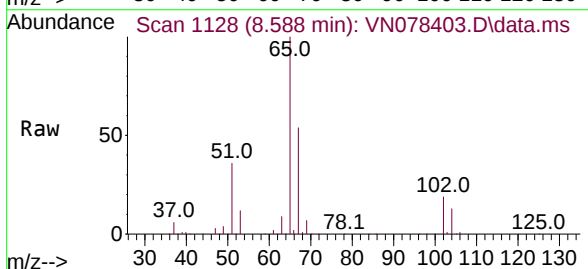
Instrument :
MSVOA_N
ClientSampleId :
IBLK

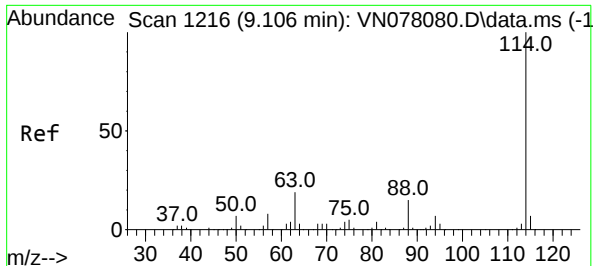
Tgt Ion:168 Resp: 434456
Ion Ratio Lower Upper
168 100
99 60.3 53.0 79.6



#33
1,2-Dichloroethane-d4
Concen: 52.106 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN078403.D
Acq: 26 Jun 2023 15:36

Tgt Ion: 65 Resp: 301832
Ion Ratio Lower Upper
65 100
67 52.9 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN078403.D

Acq: 26 Jun 2023 15:36

Instrument :

MSVOA_N

ClientSampleId :

IBLK

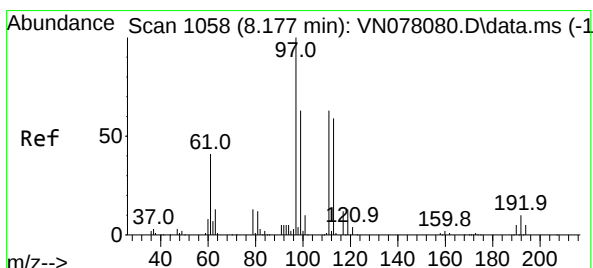
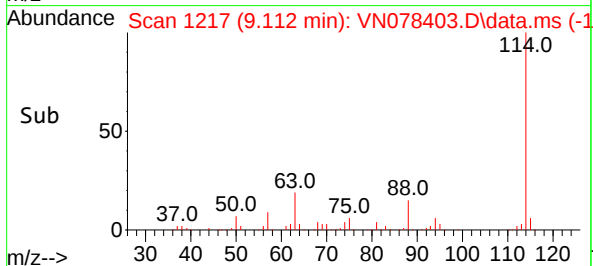
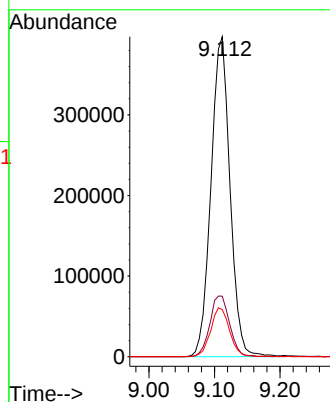
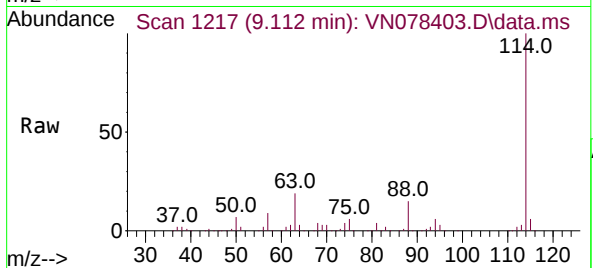
Tgt Ion:114 Resp: 800034

Ion Ratio Lower Upper

114 100

63 18.9 0.0 36.4

88 14.7 0.0 30.6



#35

Dibromofluoromethane

Concen: 57.384 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VN078403.D

Acq: 26 Jun 2023 15:36

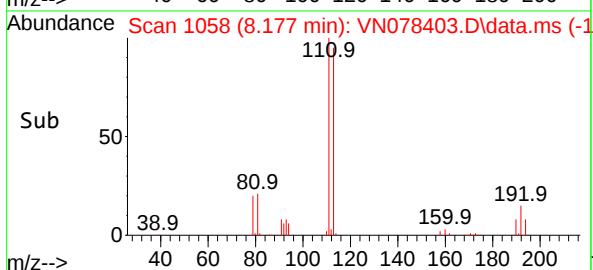
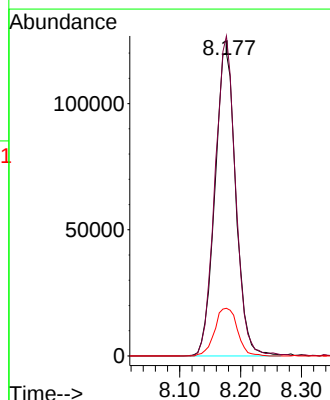
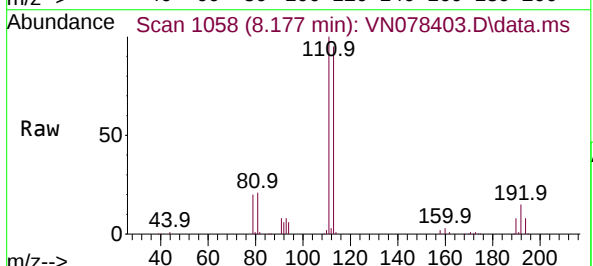
Tgt Ion:113 Resp: 290277

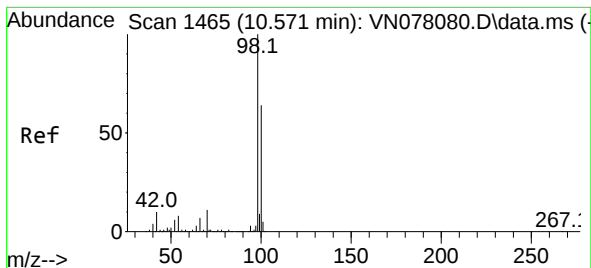
Ion Ratio Lower Upper

113 100

111 102.3 82.6 123.8

192 16.8 12.7 19.1





#50

Toluene-d8

Concen: 47.616 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN078403.D

Acq: 26 Jun 2023 15:36

Instrument :

MSVOA_N

ClientSampleId :

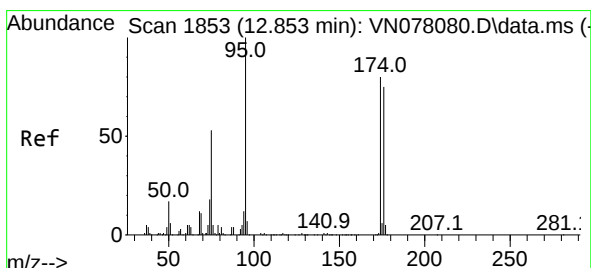
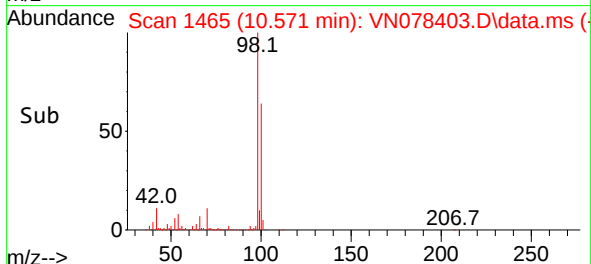
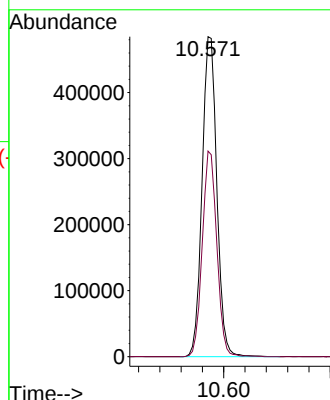
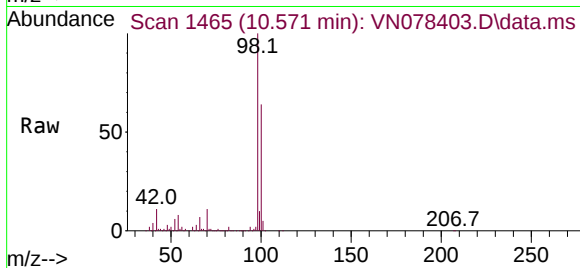
IBLK

Tgt Ion: 98 Resp: 928559

Ion Ratio Lower Upper

98 100

100 63.5 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 49.299 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. 0.006 min

Lab File: VN078403.D

Acq: 26 Jun 2023 15:36

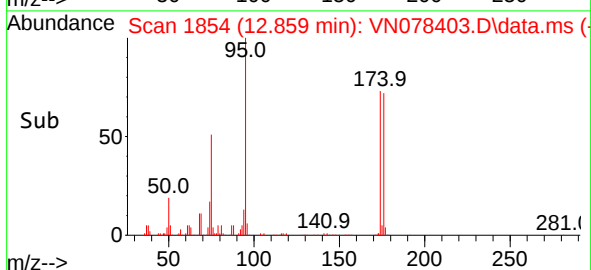
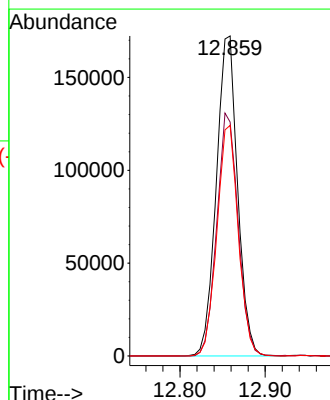
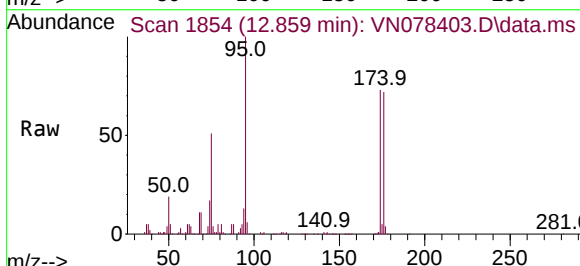
Tgt Ion: 95 Resp: 298873

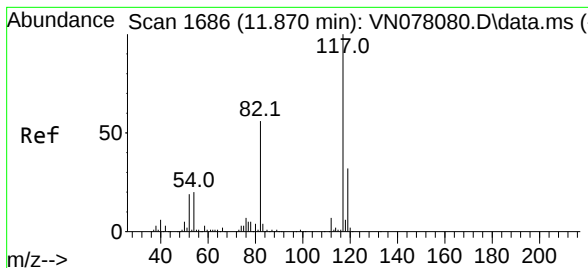
Ion Ratio Lower Upper

95 100

174 75.9 0.0 143.8

176 72.4 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN078403.D

Acq: 26 Jun 2023 15:36

Instrument :

MSVOA_N

ClientSampleId :

IBLK

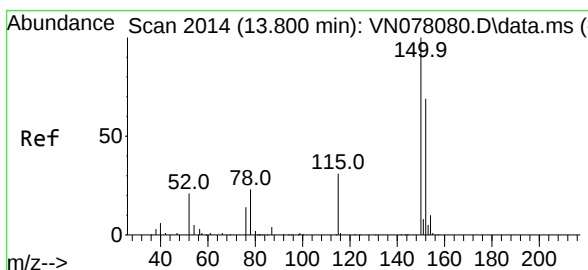
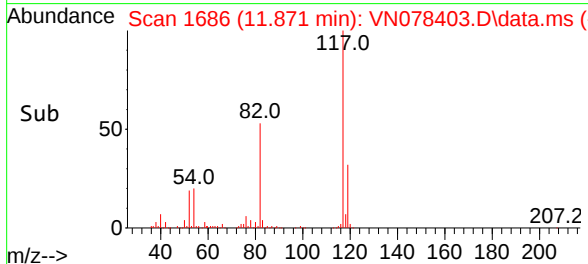
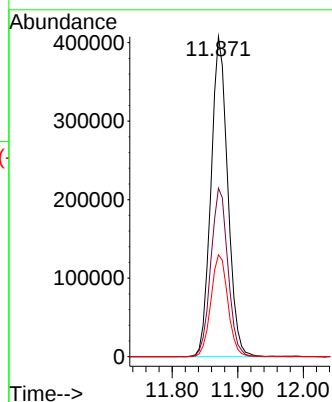
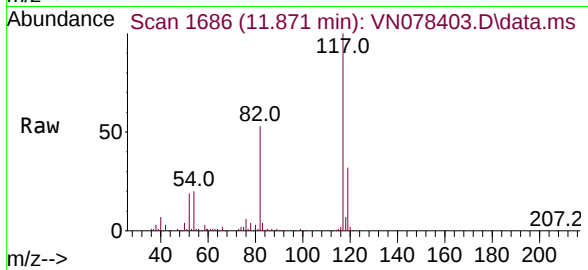
Tgt Ion:117 Resp: 722836

Ion Ratio Lower Upper

117 100

82 52.6 44.0 66.0

119 31.8 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. 0.000 min

Lab File: VN078403.D

Acq: 26 Jun 2023 15:36

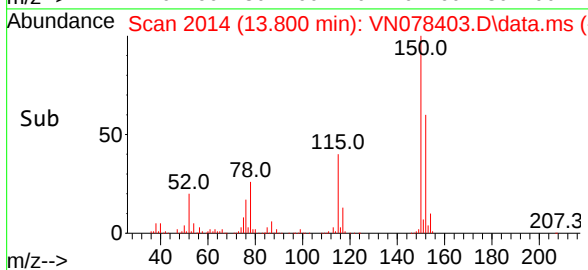
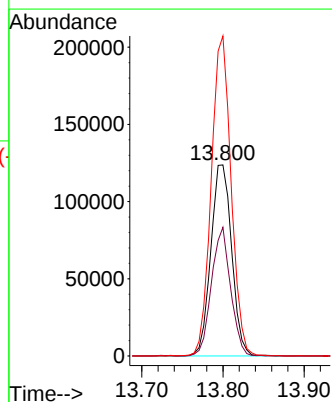
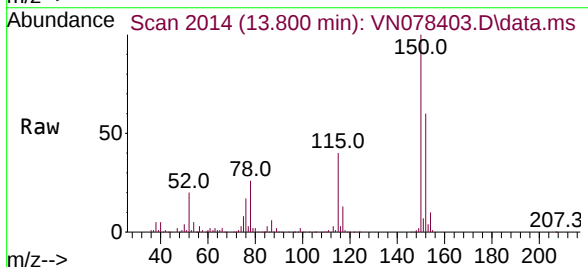
Tgt Ion:152 Resp: 220424

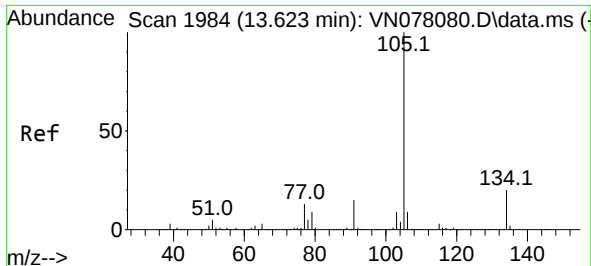
Ion Ratio Lower Upper

152 100

115 61.8 32.3 96.8

150 159.8 0.0 355.8

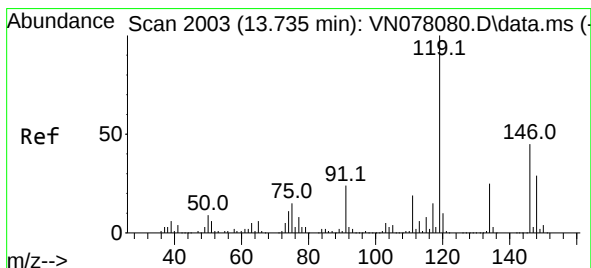
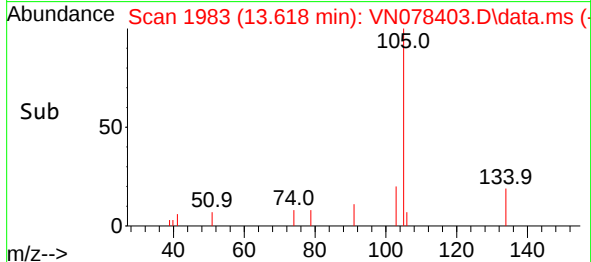
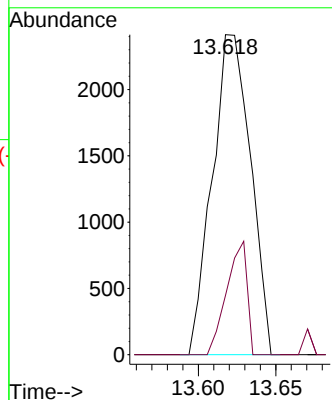
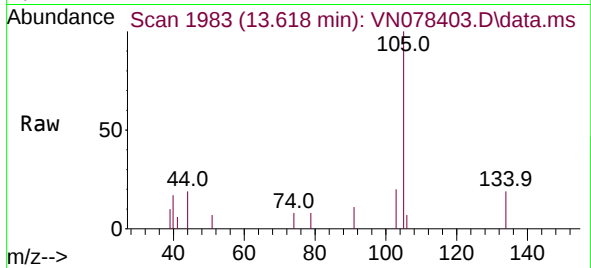




#85
 sec-Butylbenzene
 Concen: 0.216 ug/l
 RT: 13.618 min Scan# 1984
 Delta R.T. -0.006 min
 Lab File: VN078403.D
 Acq: 26 Jun 2023 15:36

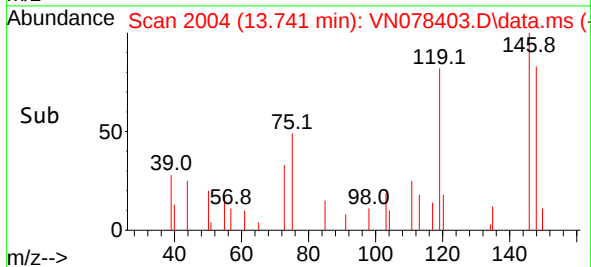
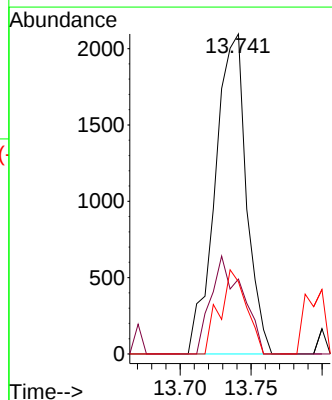
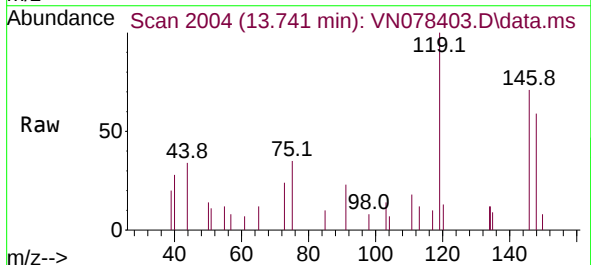
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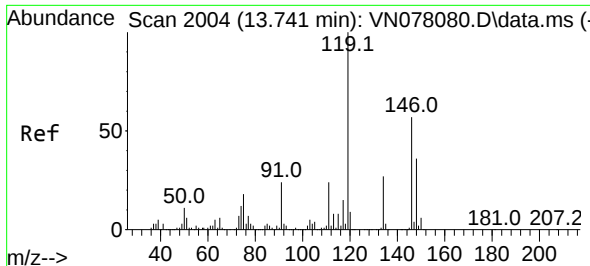
Tgt Ion:105 Resp: 4151
 Ion Ratio Lower Upper
 105 100
 134 18.8 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 0.206 ug/l
 RT: 13.741 min Scan# 2004
 Delta R.T. 0.006 min
 Lab File: VN078403.D
 Acq: 26 Jun 2023 15:36

Tgt Ion:119 Resp: 3208
 Ion Ratio Lower Upper
 119 100
 134 30.6 12.6 37.8
 91 22.6 12.4 37.2

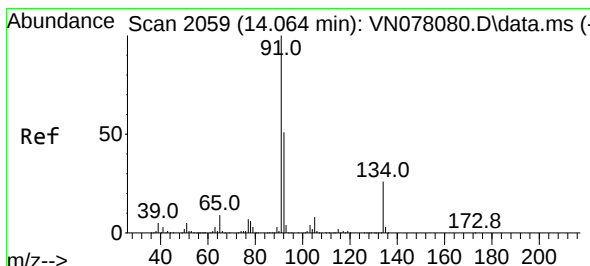
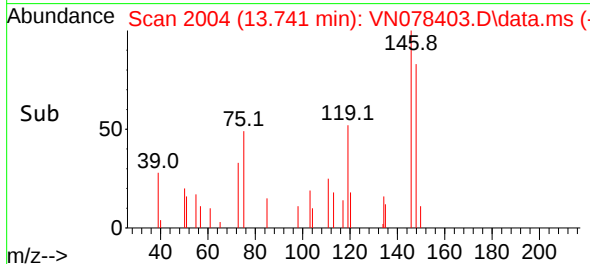
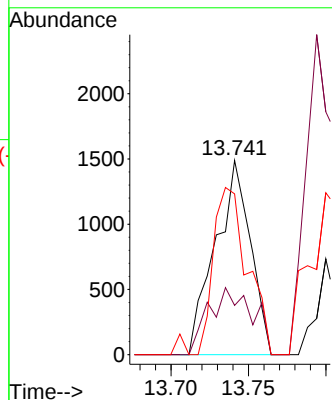
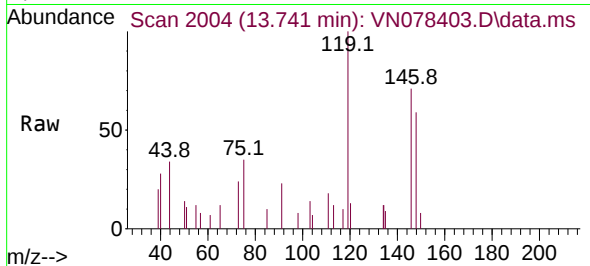




#87
1,3-Dichlorobenzene
Concen: 0.286 ug/l
RT: 13.741 min Scan# 2004
Delta R.T. 0.000 min
Lab File: VN078403.D
Acq: 26 Jun 2023 15:36

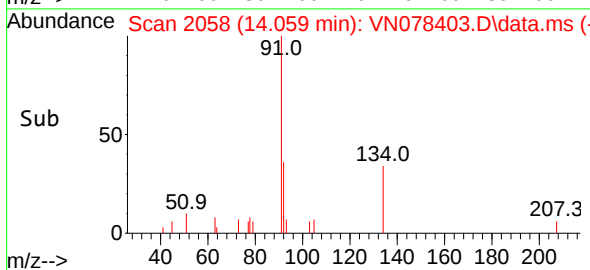
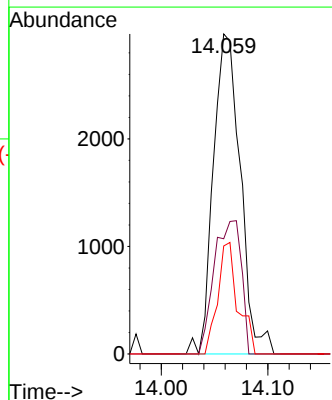
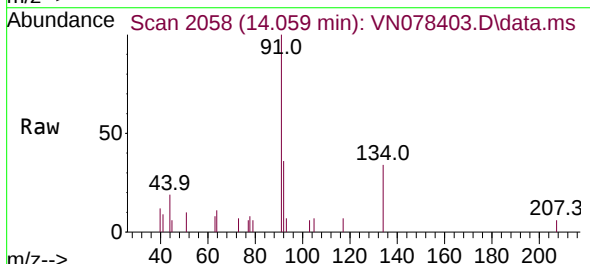
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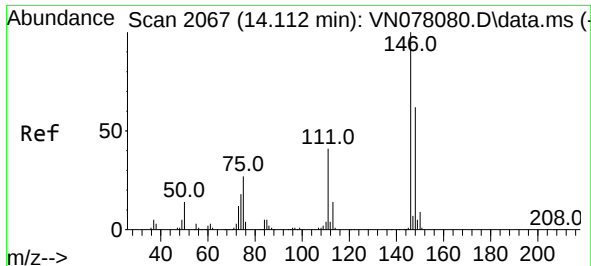
Tgt Ion:	146	Resp:	2344
Ion	Ratio	Lower	Upper
146	100		
111	43.0	22.1	66.3
148	83.6	32.0	96.0



#89
n-Butylbenzene
Concen: 0.427 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. -0.006 min
Lab File: VN078403.D
Acq: 26 Jun 2023 15:36

Tgt Ion:	91	Resp:	5243
Ion	Ratio	Lower	Upper
91	100		
92	41.8	26.4	79.0
134	26.1	12.6	37.6

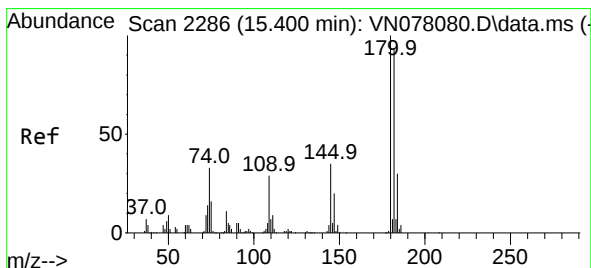
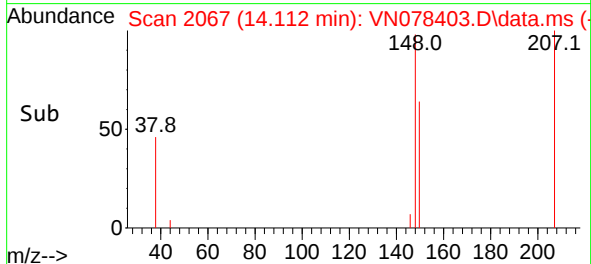
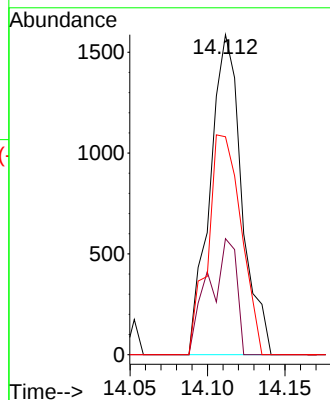
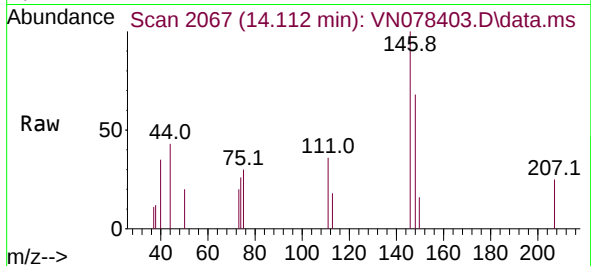




#91
1,2-Dichlorobenzene
Concen: 0.284 ug/l
RT: 14.112 min Scan# 2067
Delta R.T. 0.000 min
Lab File: VN078403.D
Acq: 26 Jun 2023 15:36

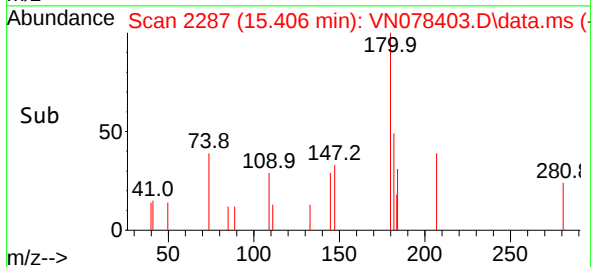
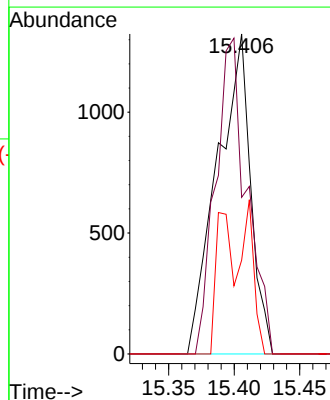
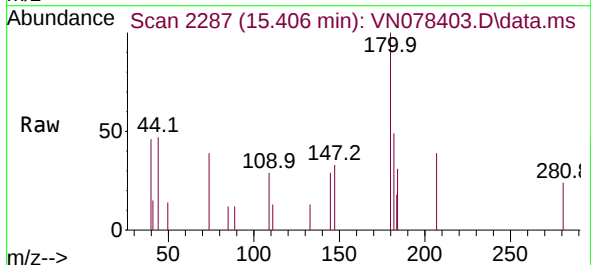
Instrument :
MSVOA_N
ClientSampleId :
IBLK

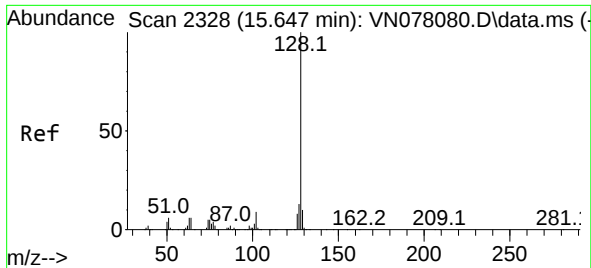
Tgt Ion:146	Resp:	2270
Ion	Ratio	Lower Upper
146	100	
111	31.5	22.0 66.0
148	71.9	31.8 95.3



#93
1,2,4-Trichlorobenzene
Concen: 0.821 ug/l
RT: 15.406 min Scan# 2287
Delta R.T. 0.006 min
Lab File: VN078403.D
Acq: 26 Jun 2023 15:36

Tgt Ion:180	Resp:	2340
Ion	Ratio	Lower Upper
180	100	
182	92.1	46.1 138.2
145	21.8	16.6 49.8





#95
Naphthalene
Concen: 0.912 ug/l
RT: 15.647 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN078403.D
Acq: 26 Jun 2023 15:36

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:128 Resp: 8741
Ion Ratio Lower Upper
128 100
127 16.0 10.0 15.0#
129 8.6 8.7 13.1#

