

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110823\
 Data File : VN079986.D
 Acq On : 08 Nov 2023 12:19
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 09 04:07:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N110823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Nov 09 04:02:05 2023
 Response via : Initial Calibration

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

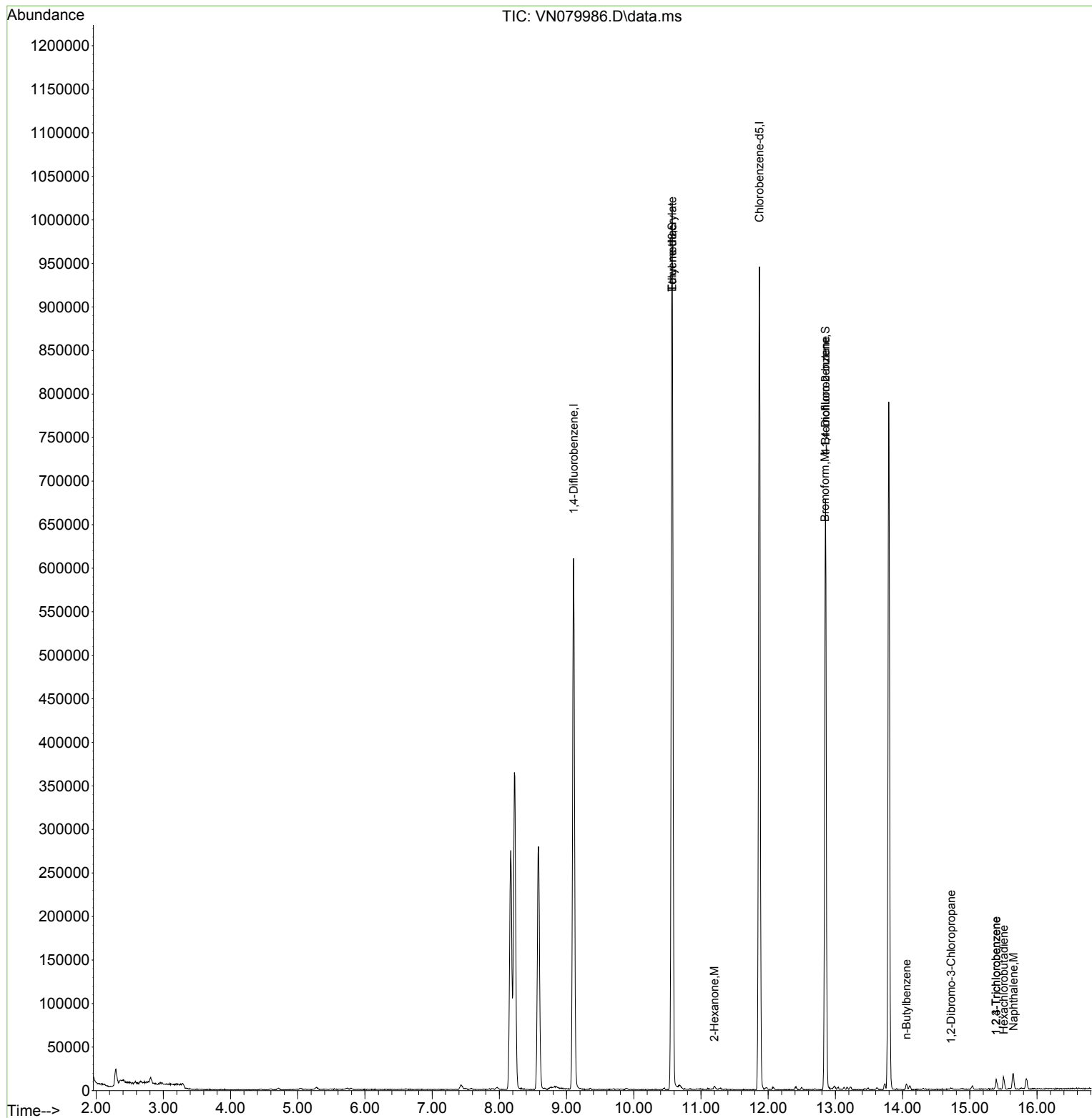
Internal Standards						
1) Bromochloromethane	0.000	128	0	0.000	ug/l	-7.82
28) 1,4-Difluorobenzene	9.106	114	510728	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	535489	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	237528	0.000	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	0.000%#
60) 4-Bromofluorobenzene	12.853	95	233736	27.295	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	91.000%
63) Toluene-d8	10.571	98	676871	26.677	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	88.933%#
Target Compounds						
					Qvalue	
51) Ethyl methacrylate	10.571	69	2093	0.240	ug/l	94
56) Bromoform	12.847	173	1919	0.450	ug/l #	1
59) 2-Hexanone	11.200	43	2959	0.434	ug/l #	89
77) t-1,4-Dichloro-2-butene	12.853	75	125827	41.915	ug/l #	8
85) n-Butylbenzene	14.059	91	4123	0.229	ug/l	84
88) 1,2-Dibromo-3-Chloropr...	14.723	75	399	0.221	ug/l #	53
89) 1,2,4-Trichlorobenzene	15.394	180	3593	0.626	ug/l	97
90) Hexachlorobutadiene	15.506	225	2721	0.961	ug/l	95
91) Naphthalene	15.653	128	16526	0.897	ug/l #	96
92) 1,2,3-Trichlorobenzene	15.394	180	3593	0.626	ug/l	97

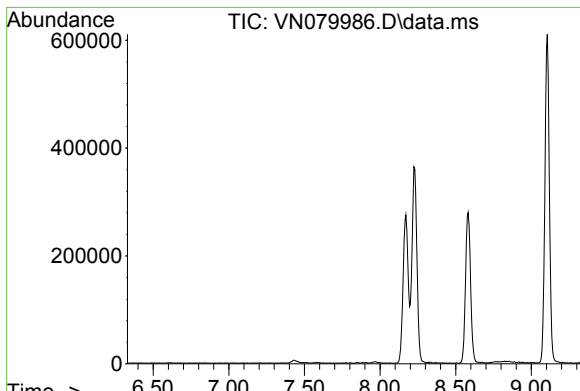
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 09 04:07:51 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N110823W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Nov 09 04:02:05 2023
Response via : Initial Calibration



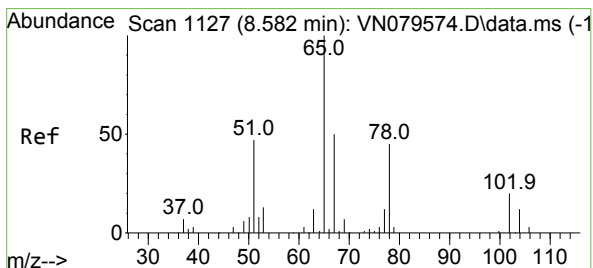
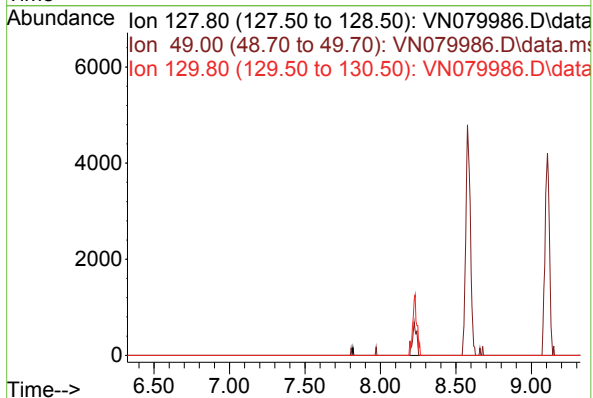


#1
 Bromochloromethane
 Concen: 0.000 ug/l
 Expected RT: 7.82 min
 Lab File: VN079986.D
 Acq: 08 Nov 2023 12:19

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion: 128

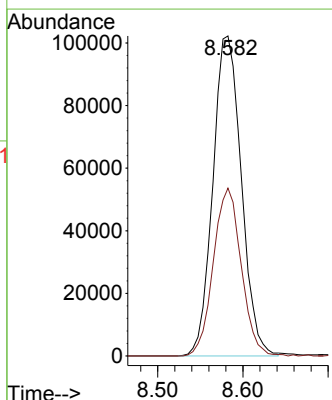
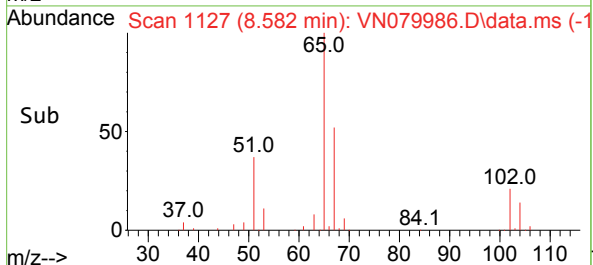
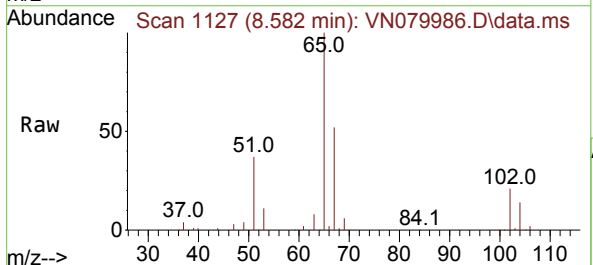
Sig	Exp Ratio
128	100
49	187.4
130	128.3

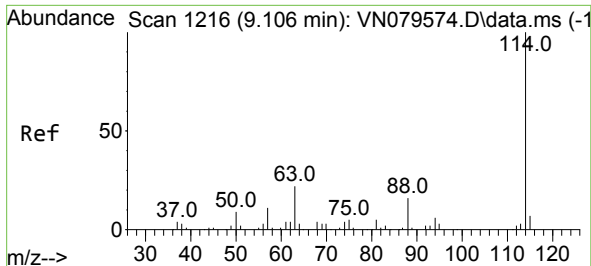


#27
 1,2-Dichloroethane-d4
 Concen: 0.000 ug/l
 RT: 8.582 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VN079986.D
 Acq: 08 Nov 2023 12:19

Tgt Ion: 65 Resp: 237528

Ion	Ratio	Lower	Upper
65	100		
67	51.3	42.1	63.1

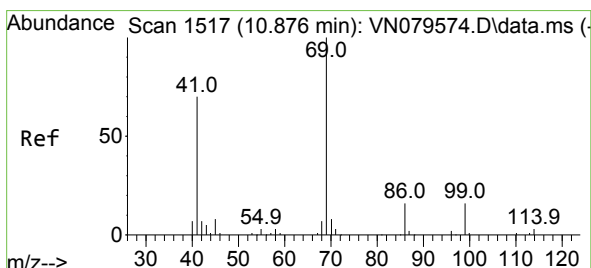
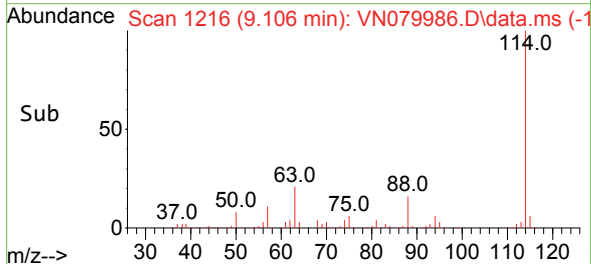
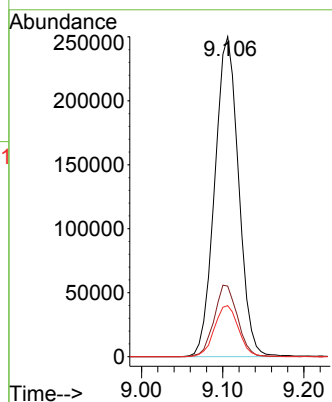
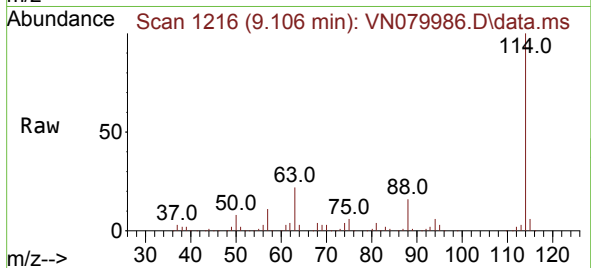




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN079986.D
Acq: 08 Nov 2023 12:19

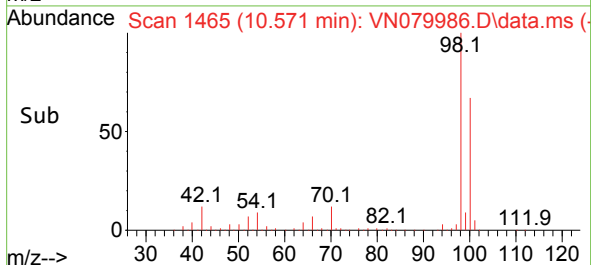
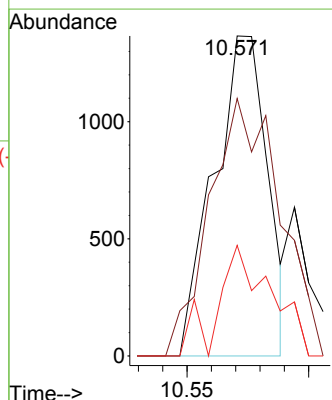
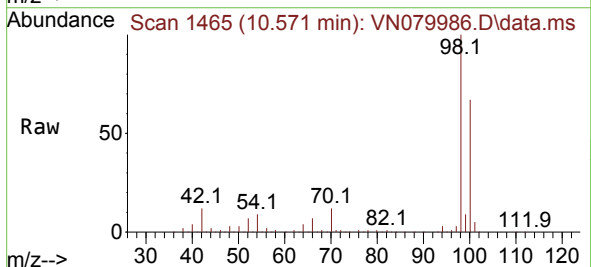
Instrument :
MSVOA_N
ClientSampleId :

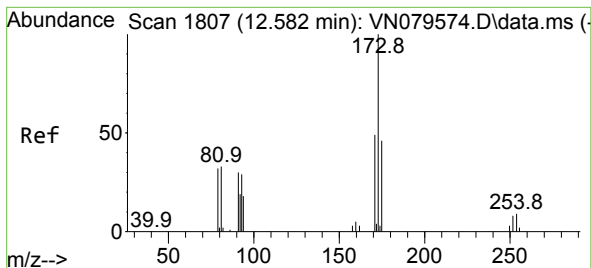
Tgt Ion:114 Resp: 510728
Ion Ratio Lower Upper
114 100
63 21.9 18.1 27.1
88 16.1 12.2 18.2



#51
Ethyl methacrylate
Concen: 0.240 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.305 min
Lab File: VN079986.D
Acq: 08 Nov 2023 12:19

Tgt Ion: 69 Resp: 2093
Ion Ratio Lower Upper
69 100
41 66.3 33.8 101.3
39 34.6 21.3 63.9





#56

Bromoform

Concen: 0.450 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.265 min

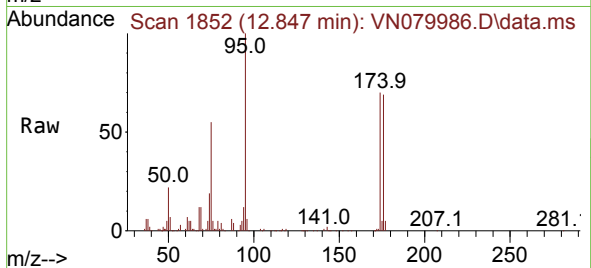
Lab File: VN079986.D

Acq: 08 Nov 2023 12:19

Instrument :

MSVOA_N

ClientSampleId :



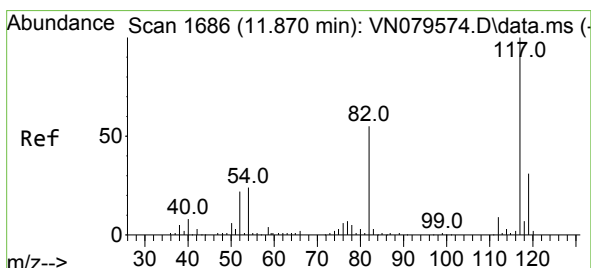
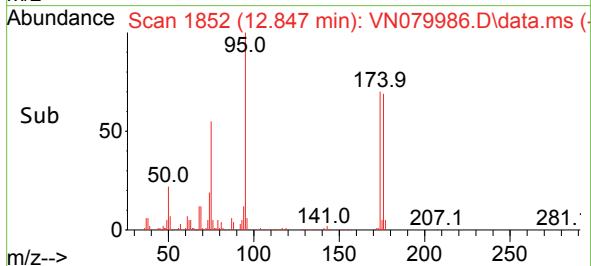
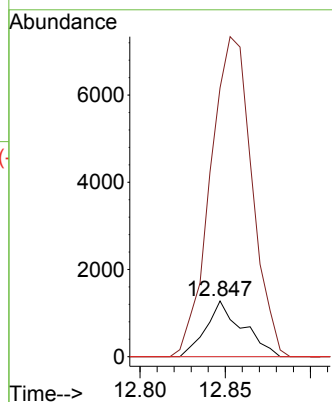
Tgt Ion:173 Resp: 1919

Ion Ratio Lower Upper

173 100

175 651.8 37.9 56.9#

254 0.0 7.3 10.9#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.871 min Scan# 1686

Delta R.T. 0.001 min

Lab File: VN079986.D

Acq: 08 Nov 2023 12:19

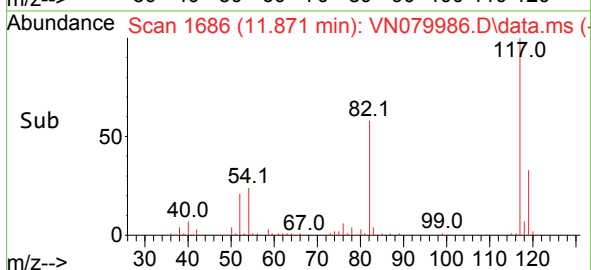
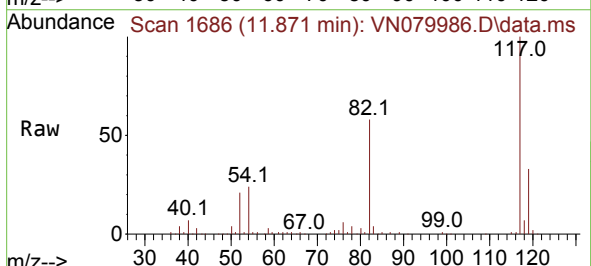
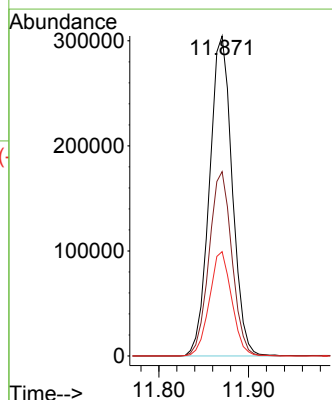
Tgt Ion:117 Resp: 535489

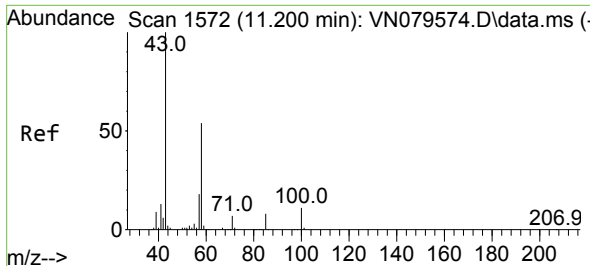
Ion Ratio Lower Upper

117 100

82 58.0 46.2 69.2

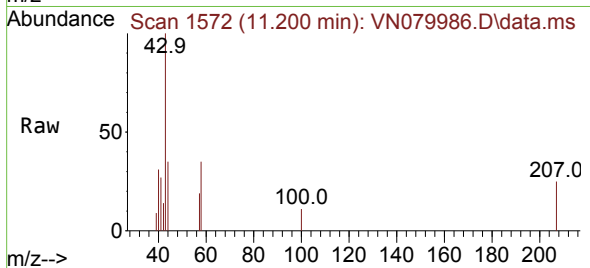
119 32.1 25.2 37.8



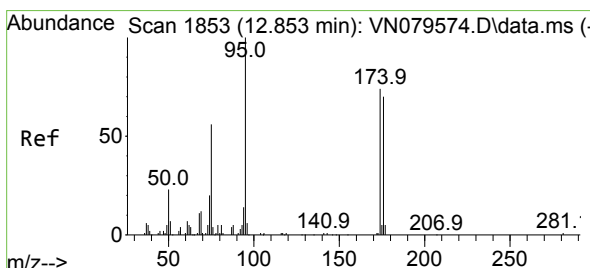
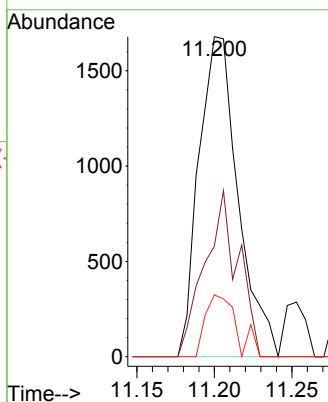
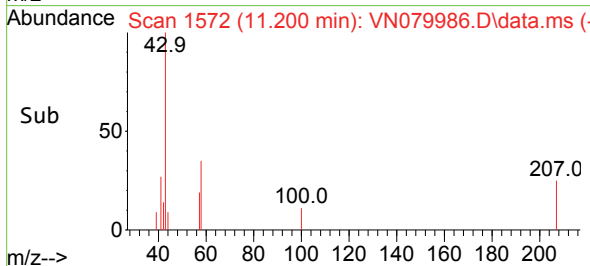


#59
2-Hexanone
Concen: 0.434 ug/l
RT: 11.200 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN079986.D
Acq: 08 Nov 2023 12:19

Instrument :
MSVOA_N
ClientSampleId :

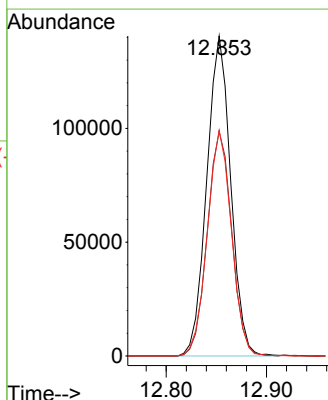
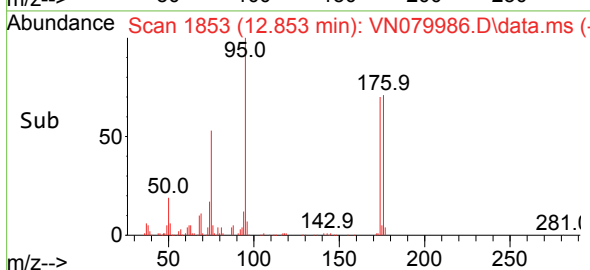
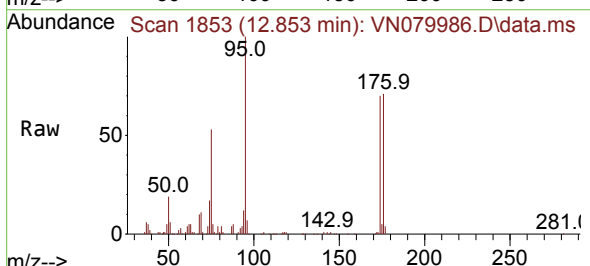


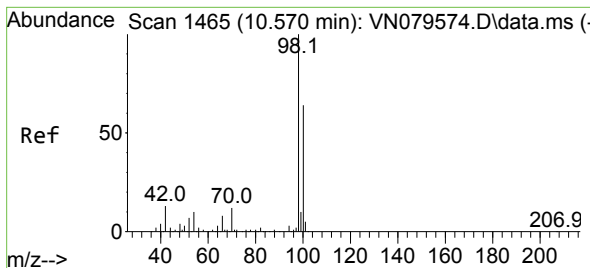
Tgt Ion: 43 Resp: 2959
Ion Ratio Lower Upper
43 100
58 44.4 42.3 63.5
57 13.2 13.9 20.9#



#60
4-Bromofluorobenzene
Concen: 27.295 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079986.D
Acq: 08 Nov 2023 12:19

Tgt Ion: 95 Resp: 233736
Ion Ratio Lower Upper
95 100
174 71.4 60.5 90.7
176 71.0 57.2 85.8





#63

Toluene-d8

Concen: 26.677 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.001 min

Lab File: VN079986.D

Acq: 08 Nov 2023 12:19

Instrument :

MSVOA_N

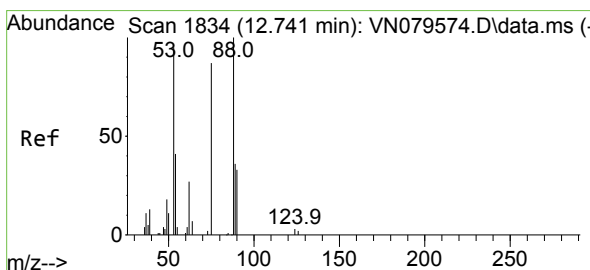
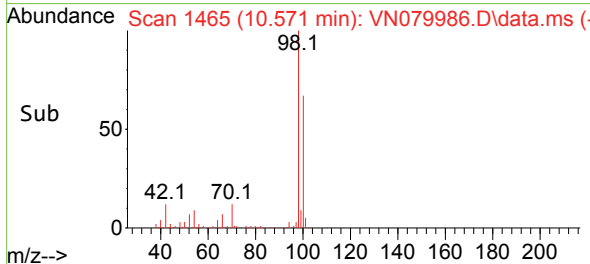
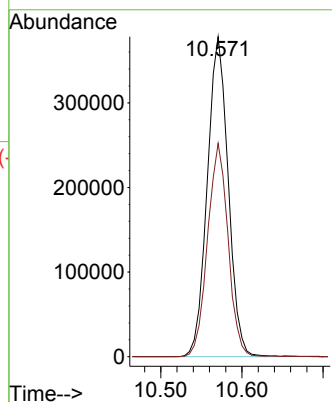
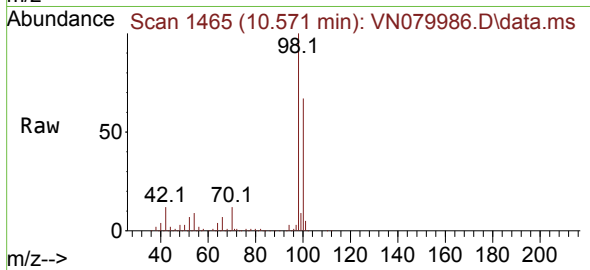
ClientSampleId :

Tgt Ion: 98 Resp: 676871

Ion Ratio Lower Upper

98 100

100 65.2 51.6 77.4



#77

t-1,4-Dichloro-2-butene

Concen: 41.915 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN079986.D

Acq: 08 Nov 2023 12:19

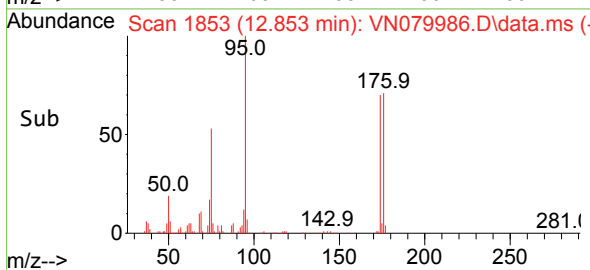
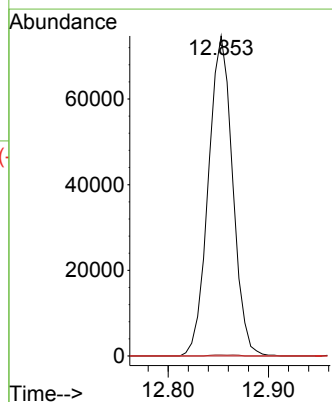
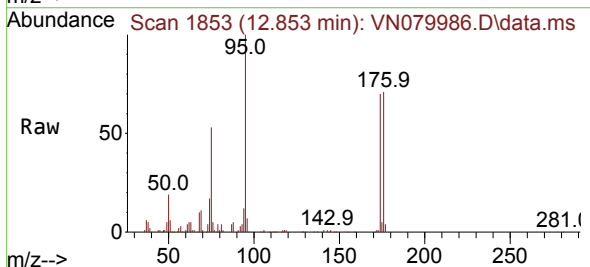
Tgt Ion: 75 Resp: 125827

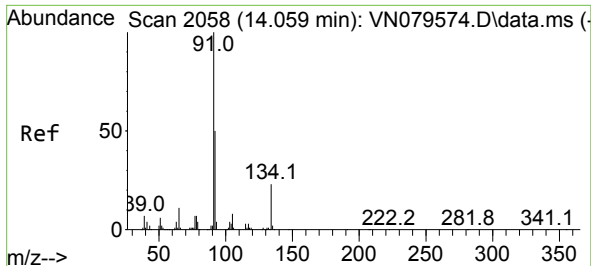
Ion Ratio Lower Upper

75 100

53 0.3 53.0 159.1#

89 0.0 22.6 67.7#

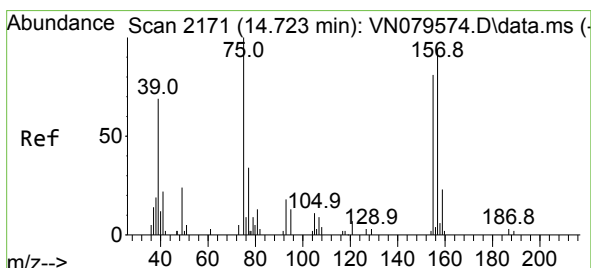
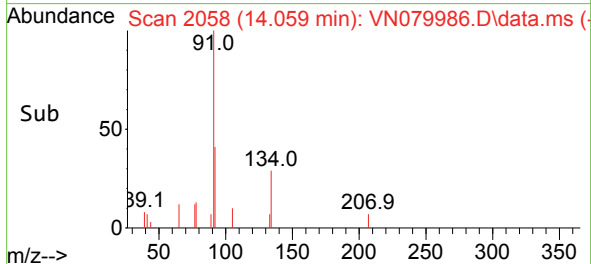
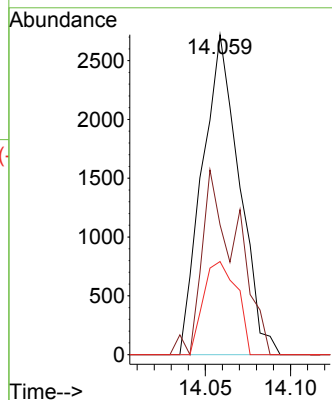
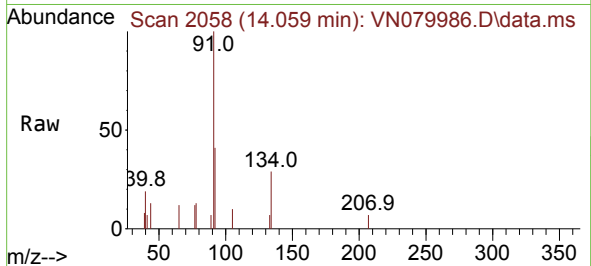




#85
n-Butylbenzene
Concen: 0.229 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. -0.000 min
Lab File: VN079986.D
Acq: 08 Nov 2023 12:19

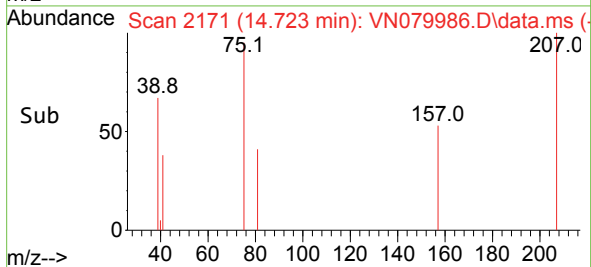
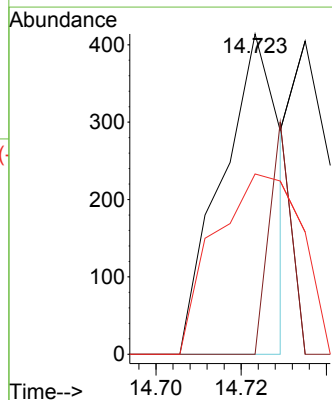
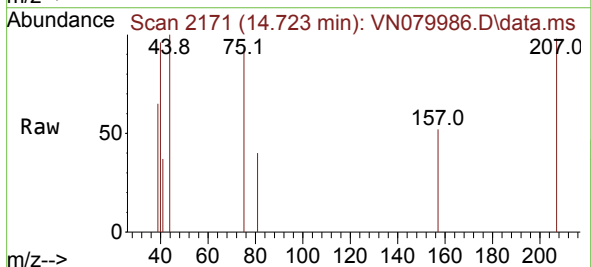
Instrument :
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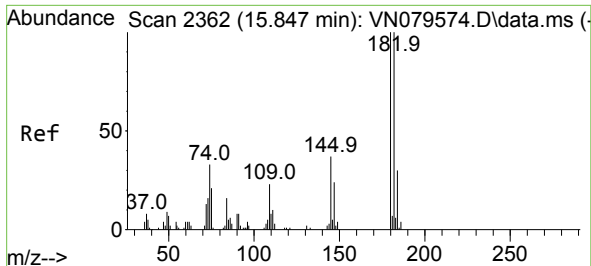
Tgt Ion: 91 Resp: 4123
Ion Ratio Lower Upper
91 100
92 35.5 0.0 99.6
134 26.2 0.0 46.2



#88
1,2-Dibromo-3-Chloropropane
Concen: 0.221 ug/l
RT: 14.723 min Scan# 2171
Delta R.T. 0.000 min
Lab File: VN079986.D
Acq: 08 Nov 2023 12:19

Tgt Ion: 75 Resp: 399
Ion Ratio Lower Upper
75 100
155 0.0 60.7 91.1#
157 82.7 76.8 115.2

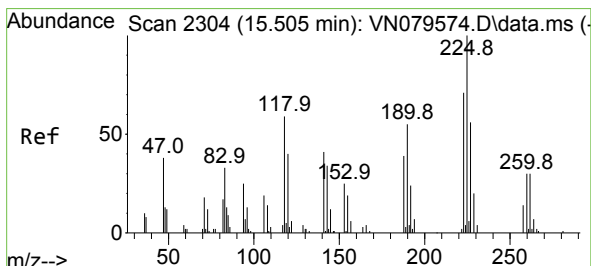
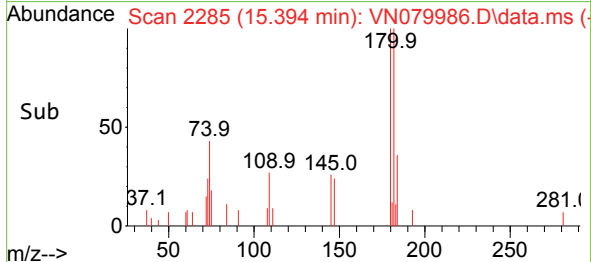
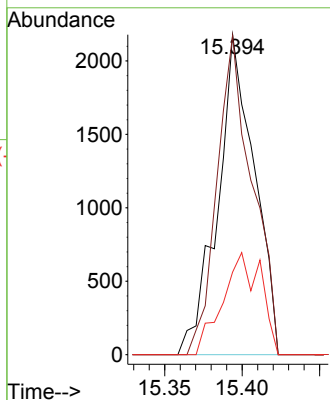
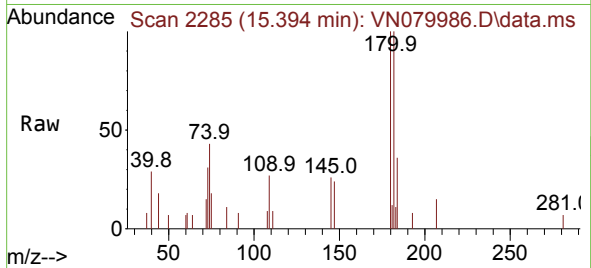




#89
1,2,4-Trichlorobenzene
Concen: 0.626 ug/l
RT: 15.394 min Scan# 21
Delta R.T. -0.453 min
Lab File: VN079986.D
Acq: 08 Nov 2023 12:19

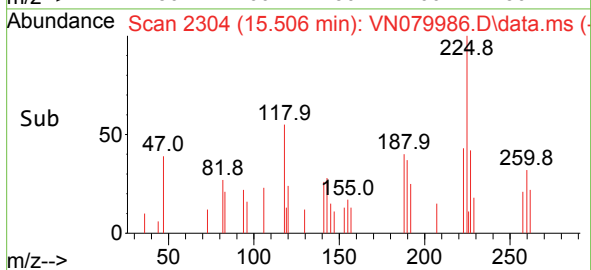
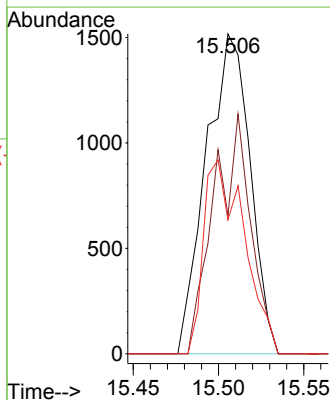
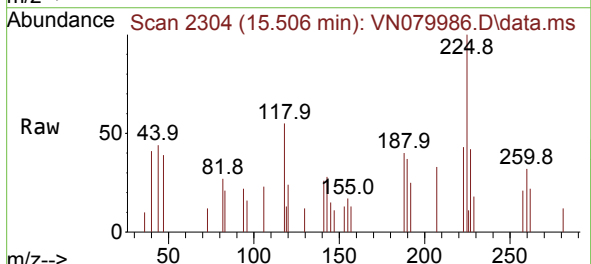
Instrument :
MSVOA_N
ClientSampleId :

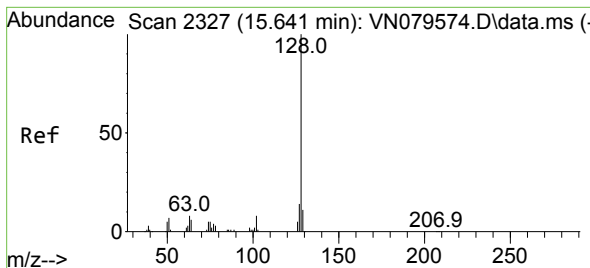
Tgt Ion:180 Resp: 3593
Ion Ratio Lower Upper
180 100
182 95.4 74.2 111.4
145 33.1 25.4 38.2



#90
Hexachlorobutadiene
Concen: 0.961 ug/l
RT: 15.506 min Scan# 2304
Delta R.T. 0.001 min
Lab File: VN079986.D
Acq: 08 Nov 2023 12:19

Tgt Ion:225 Resp: 2721
Ion Ratio Lower Upper
225 100
223 62.6 0.0 126.0
227 55.6 0.0 127.0





#91

Naphthalene

Concen: 0.897 ug/l

RT: 15.653 min Scan# 21

Delta R.T. 0.012 min

Lab File: VN079986.D

Acq: 08 Nov 2023 12:19

Instrument :

MSVOA_N

ClientSampleId :

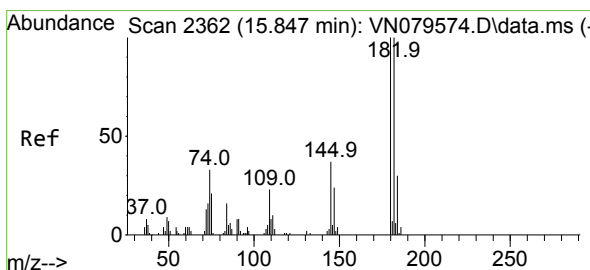
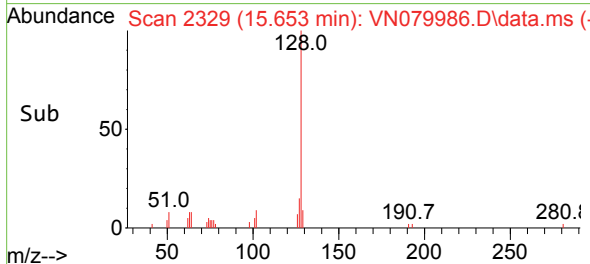
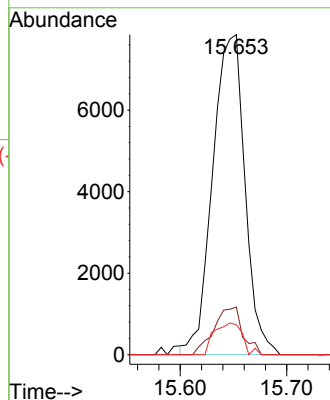
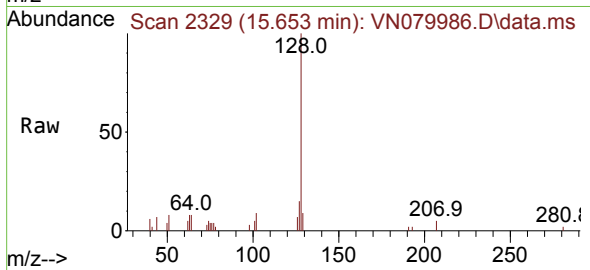
Tgt Ion:128 Resp: 16526

Ion Ratio Lower Upper

128 100

127 12.6 10.9 16.3

129 8.3 8.6 12.8#



#92

1,2,3-Trichlorobenzene

Concen: 0.626 ug/l

RT: 15.394 min Scan# 2285

Delta R.T. -0.453 min

Lab File: VN079986.D

Acq: 08 Nov 2023 12:19

Tgt Ion:180 Resp: 3593

Ion Ratio Lower Upper

180 100

182 95.4 0.0 185.6

145 33.1 0.0 63.6

