

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102022\
 Data File : VN074949.D
 Acq On : 20 Oct 2022 18:04
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Oct 21 04:20:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102022W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 21 04:14:20 2022
 Response via : Initial Calibration

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

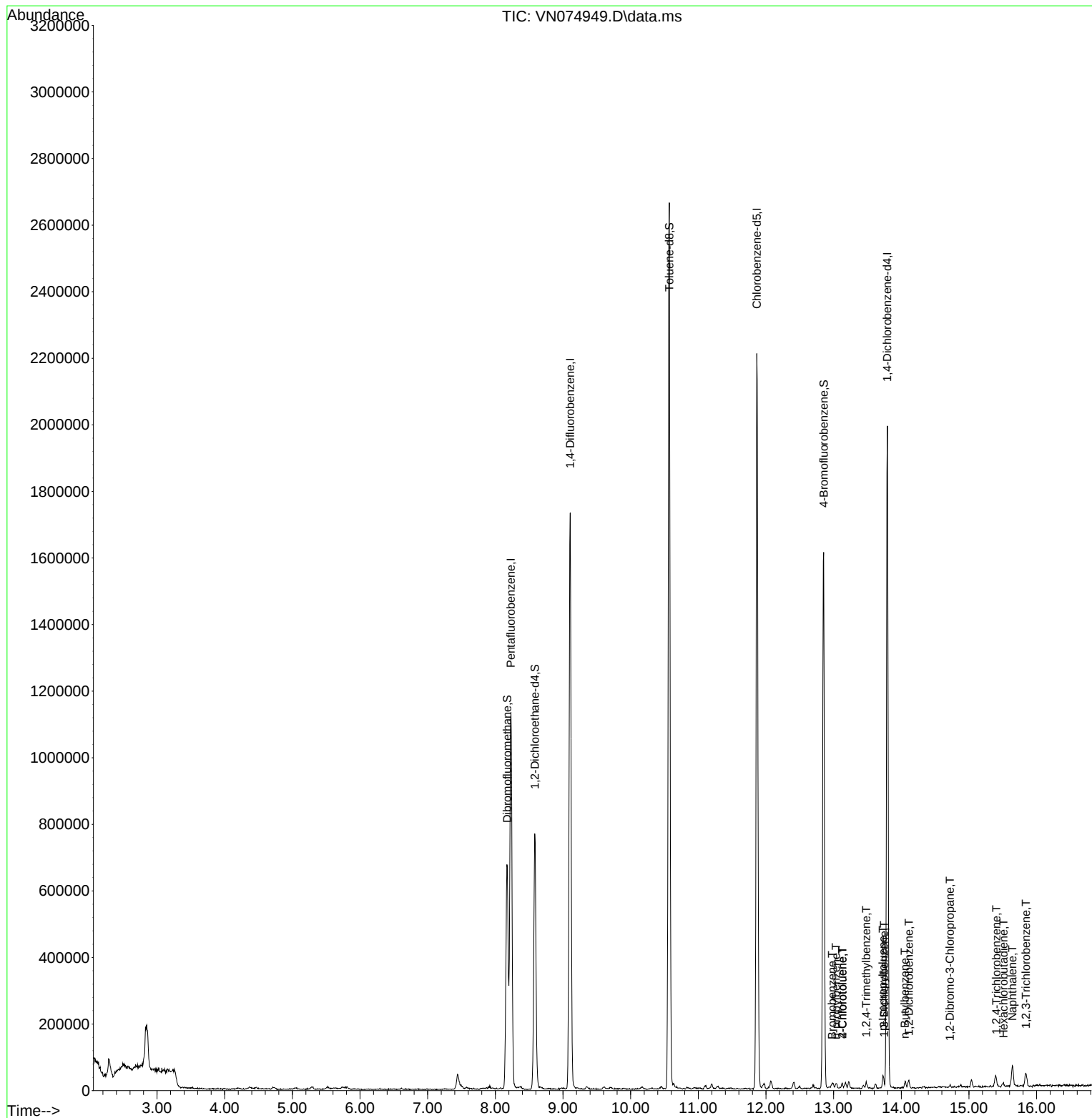
Internal Standards						
1) Pentafluorobenzene	8.230	168	789302	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	1517029	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	1282886	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	528585	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	633574	30.212	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	60.420%#		
35) Dibromofluoromethane	8.177	113	475820	26.352	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	52.700%#		
50) Toluene-d8	10.571	98	1852329	26.737	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	53.480%#		
62) 4-Bromofluorobenzene	12.853	95	568988	23.284	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	46.560%#		
Target Compounds					Qvalue	
77) Bromobenzene	12.976	156	3627	0.366	ug/l	79
78) n-propylbenzene	13.035	91	13182	0.261	ug/l	84
79) 2-Chlorotoluene	13.129	91	7743	0.247	ug/l	91
82) 4-Chlorotoluene	13.129	91	7743	0.247	ug/l	91
84) 1,2,4-Trimethylbenzene	13.482	105	9256	0.246	ug/l	99
86) p-Isopropyltoluene	13.729	119	9052	0.237	ug/l	96
87) 1,3-Dichlorobenzene	13.747	146	9114	0.481	ug/l	93
89) n-Butylbenzene	14.053	91	10708	0.329	ug/l	96
91) 1,2-Dichlorobenzene	14.112	146	9064	0.467	ug/l	90
92) 1,2-Dibromo-3-Chloropr...	14.717	75	1785	0.533	ug/l	89
93) 1,2,4-Trichlorobenzene	15.406	180	11213	1.327	ug/l	91
94) Hexachlorobutadiene	15.512	225	2136	0.490	ug/l	91
95) Naphthalene	15.641	128	57816	1.800	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	12402	1.458	ug/l	91

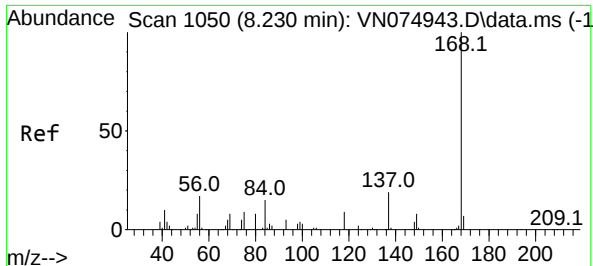
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Oct 21 04:14:20 2022
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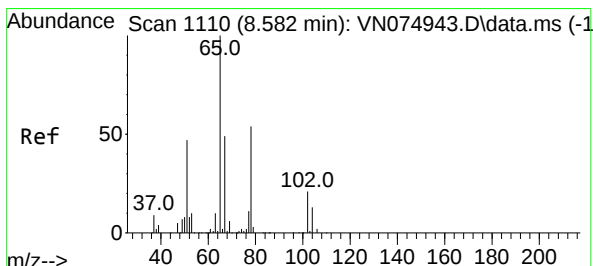
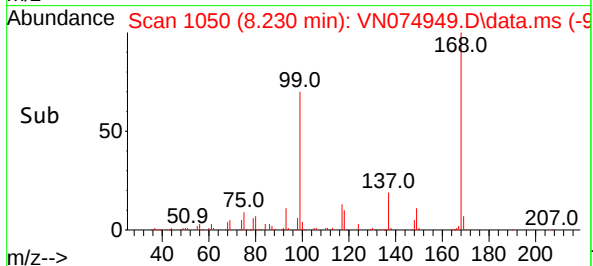
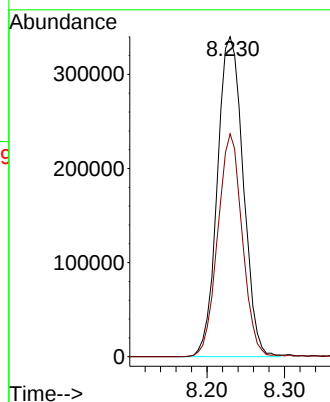
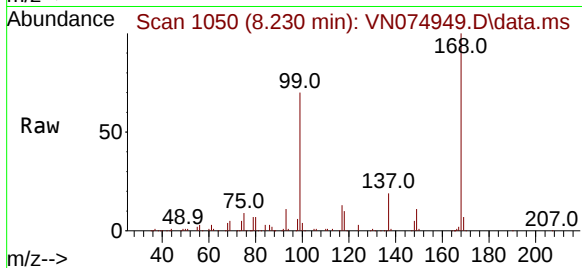




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN074949.D
Acq: 20 Oct 2022 18:04

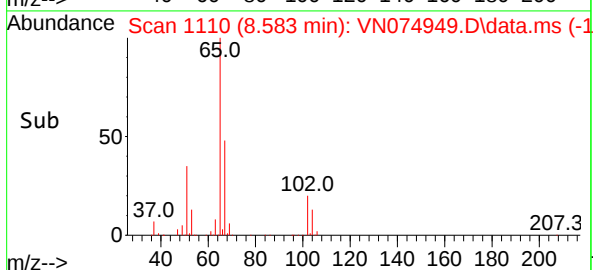
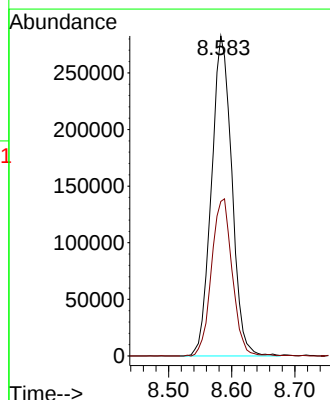
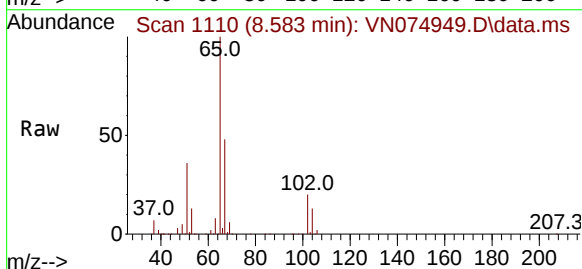
Instrument :
MSVOA_N
ClientSampleId :
IBLK

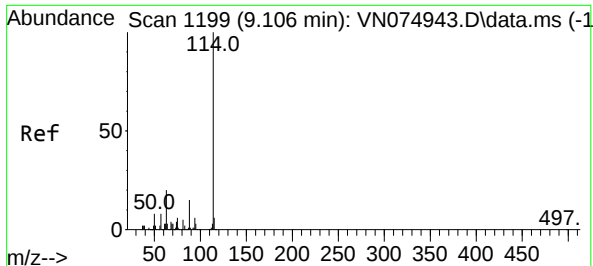
Tgt Ion:168 Resp: 789302
Ion Ratio Lower Upper
168 100
99 69.7 52.2 78.4



#33
1,2-Dichloroethane-d4
Concen: 30.212 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. 0.000 min
Lab File: VN074949.D
Acq: 20 Oct 2022 18:04

Tgt Ion: 65 Resp: 633574
Ion Ratio Lower Upper
65 100
67 50.0 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN074949.D

Acq: 20 Oct 2022 18:04

Instrument :

MSVOA_N

ClientSampleId :

IBLK

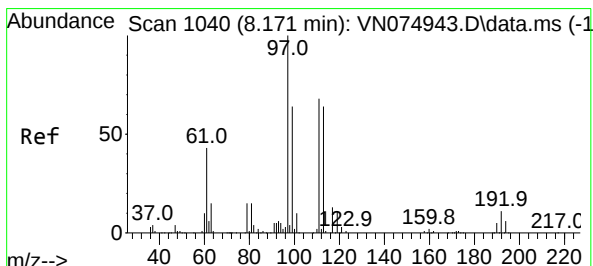
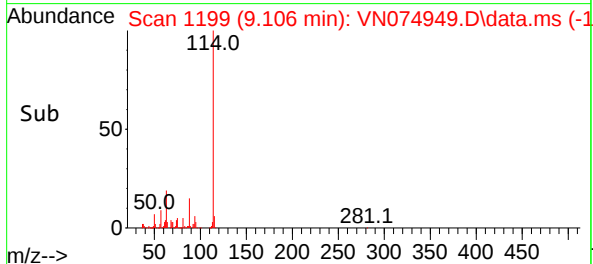
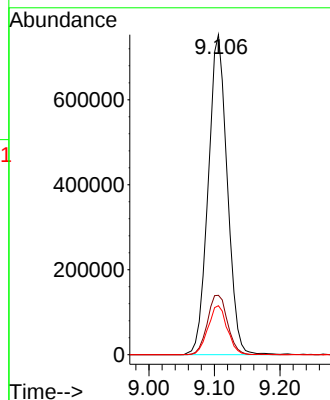
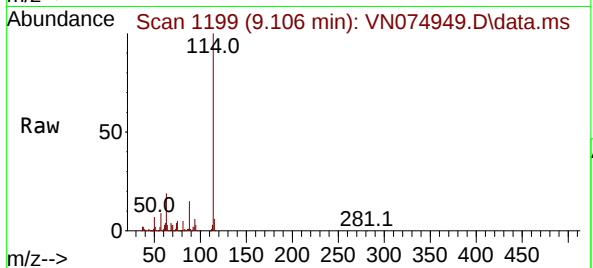
Tgt Ion:114 Resp: 1517029

Ion Ratio Lower Upper

114 100

63 18.5 0.0 39.8

88 15.3 0.0 30.4



#35

Dibromofluoromethane

Concen: 26.352 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN074949.D

Acq: 20 Oct 2022 18:04

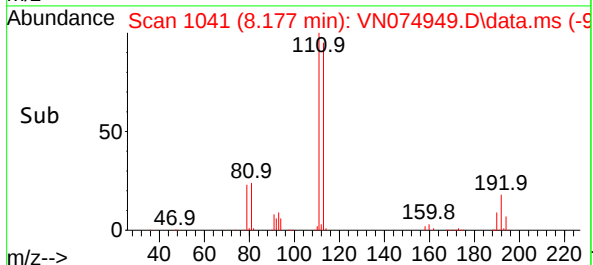
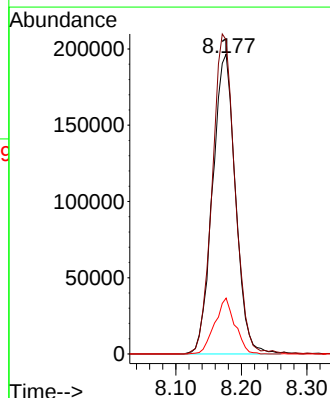
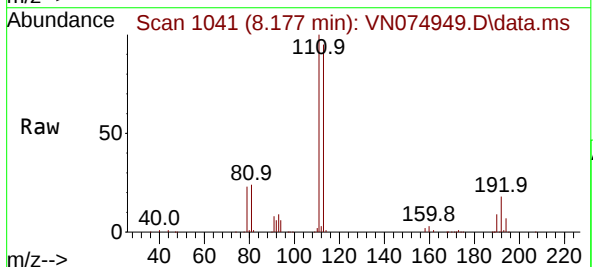
Tgt Ion:113 Resp: 475820

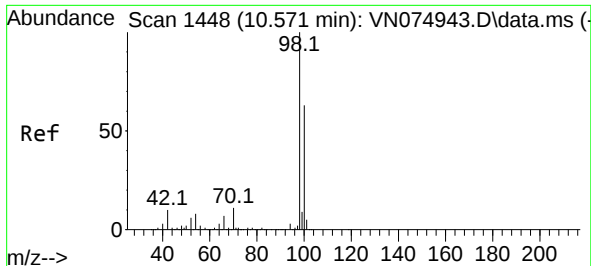
Ion Ratio Lower Upper

113 100

111 105.6 83.4 125.2

192 16.5 13.3 19.9

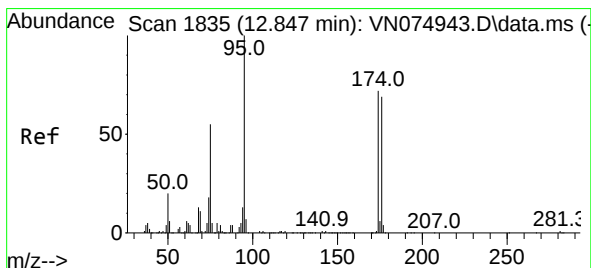
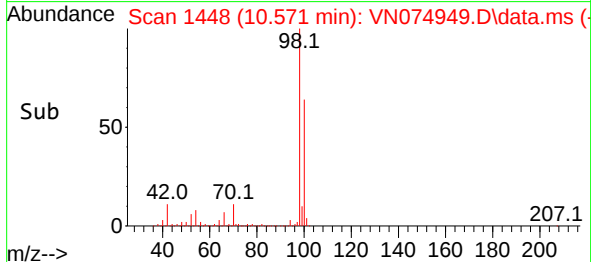
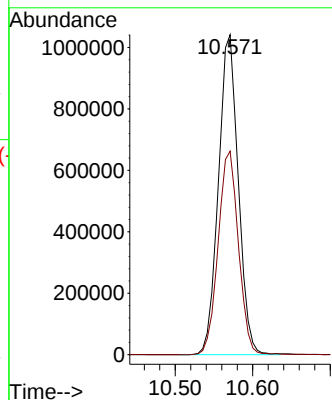
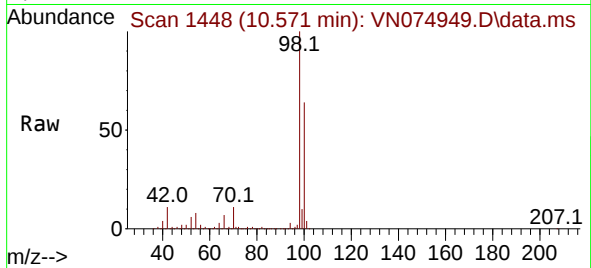




#50
Toluene-d8
Concen: 26.737 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN074949.D
Acq: 20 Oct 2022 18:04

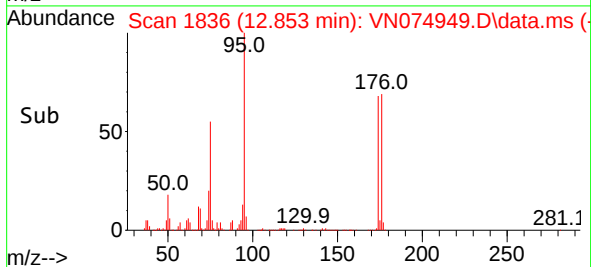
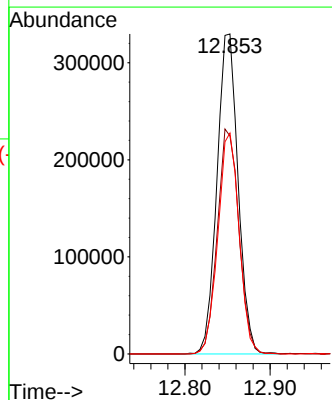
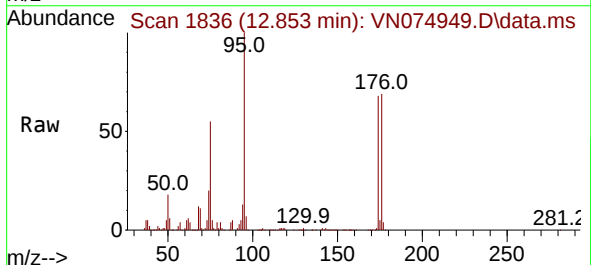
Instrument :
MSVOA_N
ClientSampleId :
IBLK

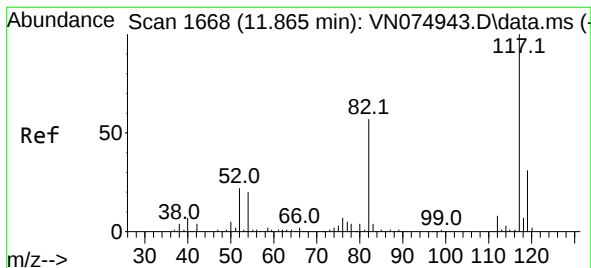
Tgt Ion: 98 Resp: 1852329
Ion Ratio Lower Upper
98 100
100 65.1 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 23.284 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN074949.D
Acq: 20 Oct 2022 18:04

Tgt Ion: 95 Resp: 568988
Ion Ratio Lower Upper
95 100
174 71.9 0.0 143.0
176 69.2 0.0 138.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN074949.D

Acq: 20 Oct 2022 18:04

Instrument :

MSVOA_N

ClientSampleId :

IBLK

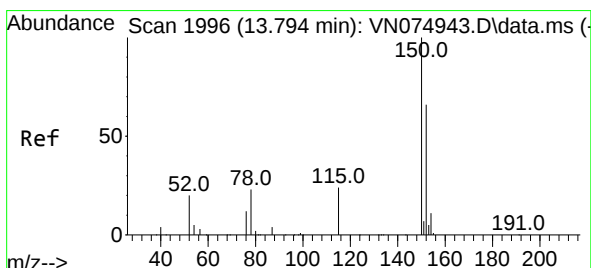
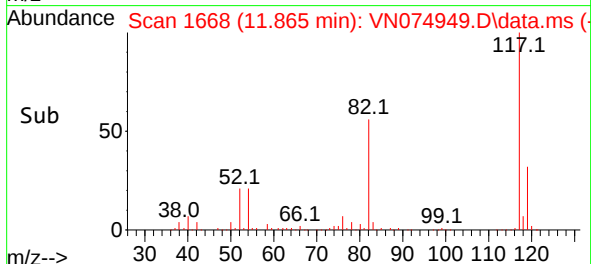
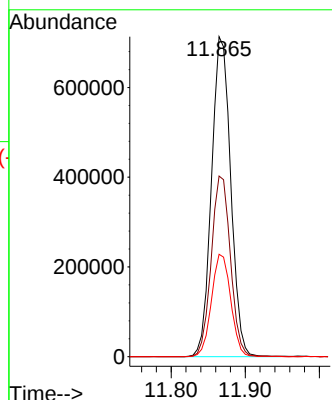
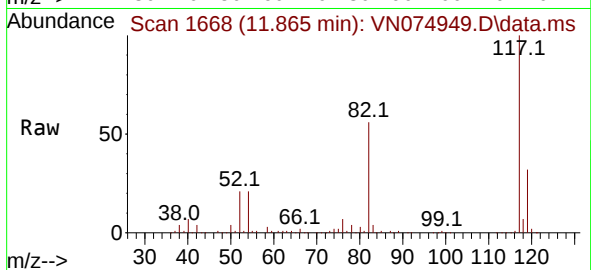
Tgt Ion:117 Resp: 1282886

Ion Ratio Lower Upper

117 100

82 56.4 45.6 68.4

119 32.0 25.1 37.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 1996

Delta R.T. 0.000 min

Lab File: VN074949.D

Acq: 20 Oct 2022 18:04

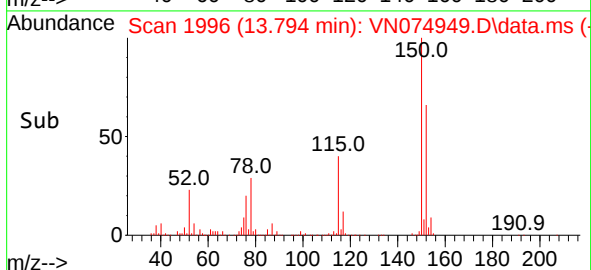
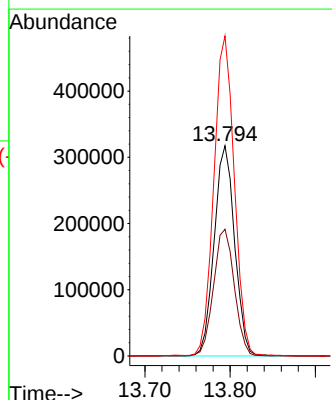
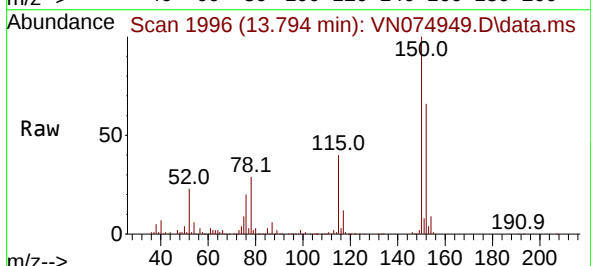
Tgt Ion:152 Resp: 528585

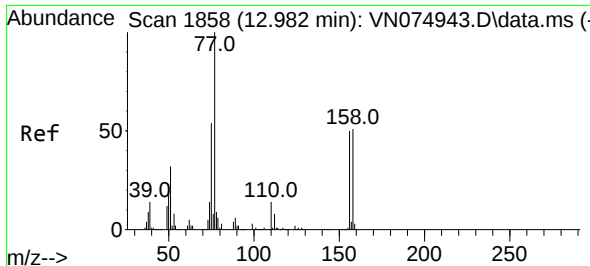
Ion Ratio Lower Upper

152 100

115 61.2 31.3 93.8

150 152.4 0.0 349.6

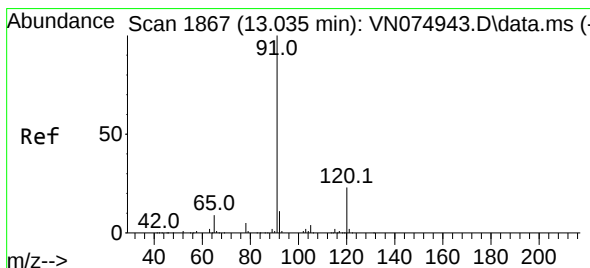
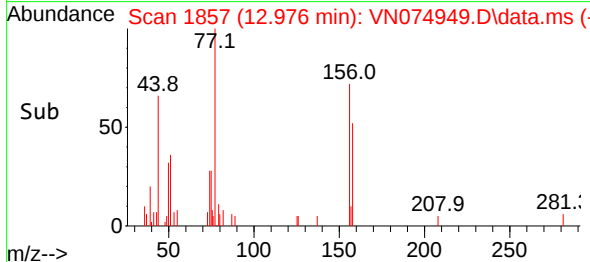
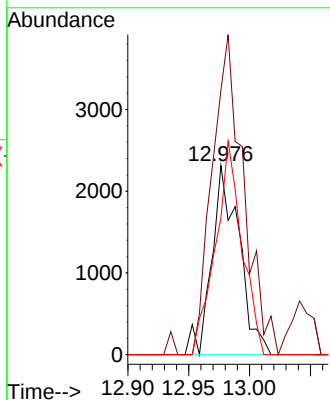
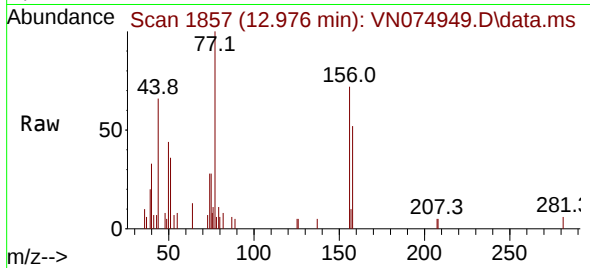




#77
Bromobenzene
Concen: 0.366 ug/l
RT: 12.976 min Scan# 1857
Delta R.T. -0.006 min
Lab File: VN074949.D
Acq: 20 Oct 2022 18:04

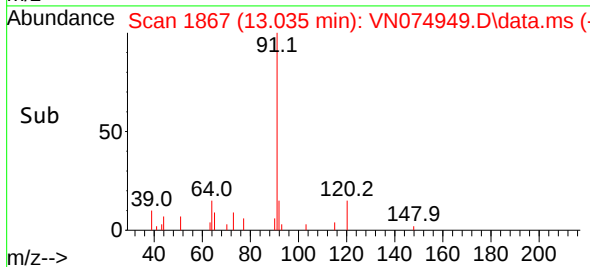
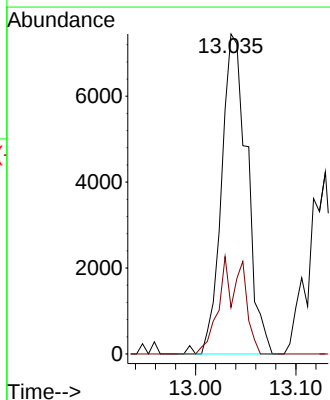
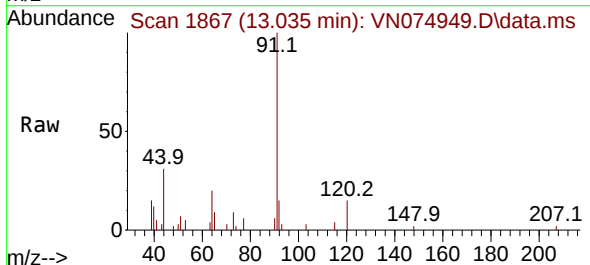
Instrument :
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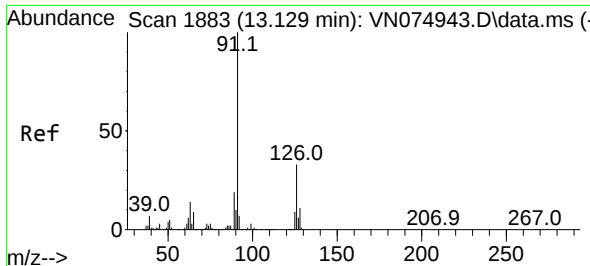
Tgt Ion:156 Resp: 3627
Ion Ratio Lower Upper
156 100
77 193.9 117.1 351.3
158 109.0 48.3 144.9



#78
n-propylbenzene
Concen: 0.261 ug/l
RT: 13.035 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VN074949.D
Acq: 20 Oct 2022 18:04

Tgt Ion: 91 Resp: 13182
Ion Ratio Lower Upper
91 100
120 15.0 11.5 34.4

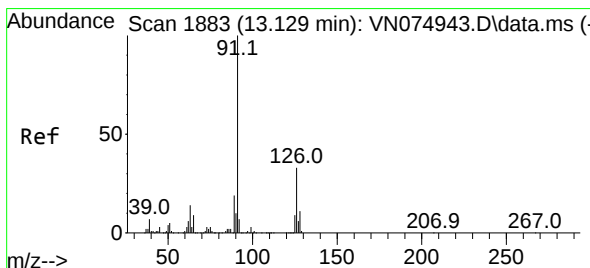
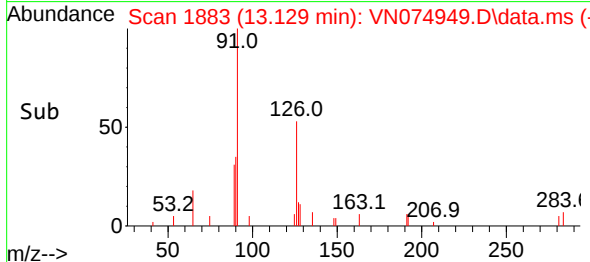
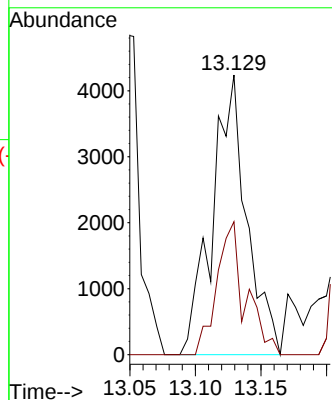
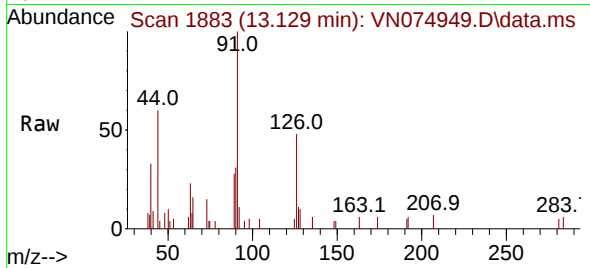




#79
2-Chlorotoluene
Concen: 0.247 ug/l
RT: 13.129 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VN074949.D
Acq: 20 Oct 2022 18:04

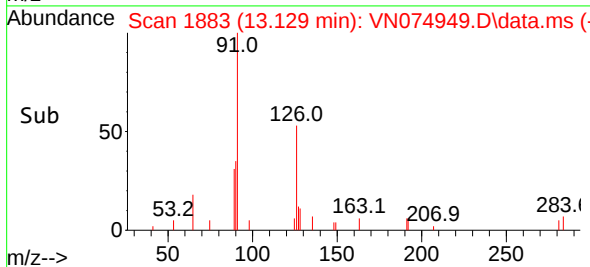
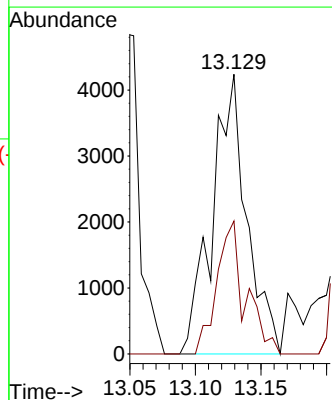
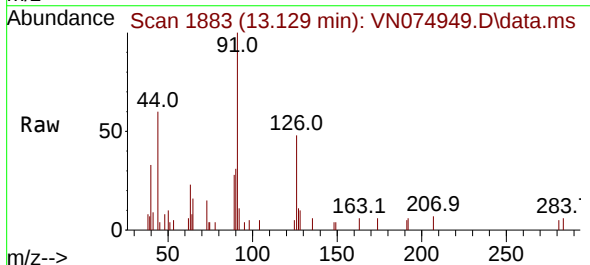
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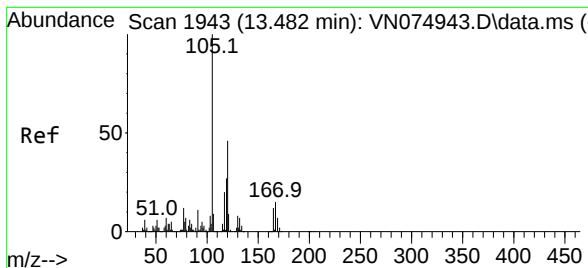
Tgt Ion: 91 Resp: 7743
Ion Ratio Lower Upper
91 100
126 39.0 17.0 51.0



#82
4-Chlorotoluene
Concen: 0.247 ug/l
RT: 13.129 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VN074949.D
Acq: 20 Oct 2022 18:04

Tgt Ion: 91 Resp: 7743
Ion Ratio Lower Upper
91 100
126 39.0 17.0 51.0





#84

1,2,4-Trimethylbenzene

Concen: 0.246 ug/l

RT: 13.482 min Scan# 1943

Delta R.T. 0.000 min

Lab File: VN074949.D

Acq: 20 Oct 2022 18:04

Instrument :

MSVOA_N

ClientSampleId :

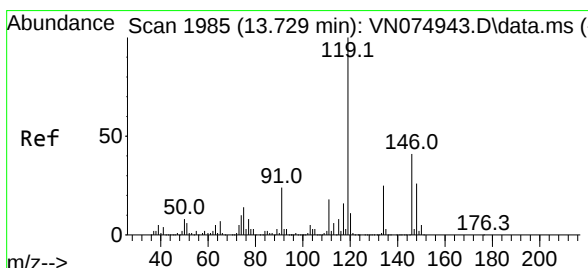
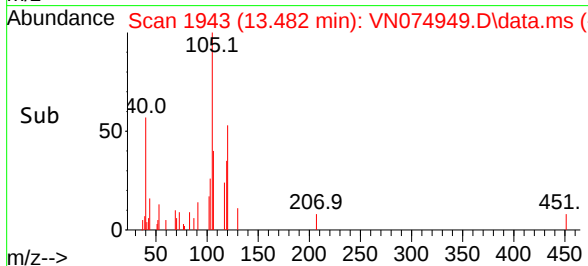
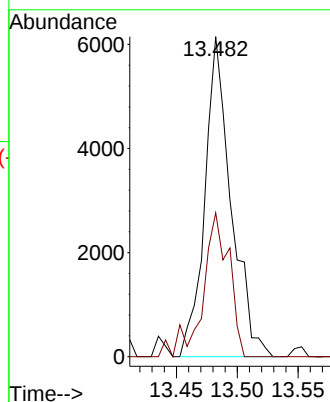
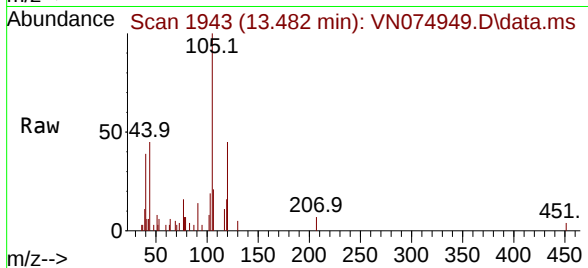
IBLK

Tgt Ion:105 Resp: 9256

Ion Ratio Lower Upper

105 100

120 44.9 22.9 68.5



#86

p-Isopropyltoluene

Concen: 0.237 ug/l

RT: 13.729 min Scan# 1985

Delta R.T. 0.000 min

Lab File: VN074949.D

Acq: 20 Oct 2022 18:04

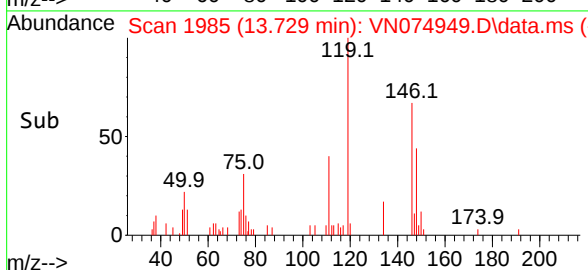
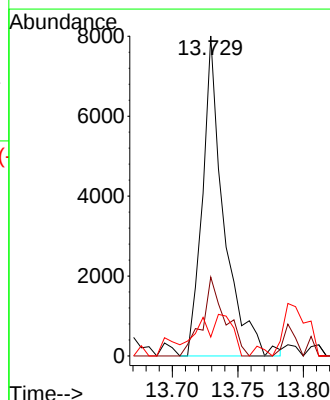
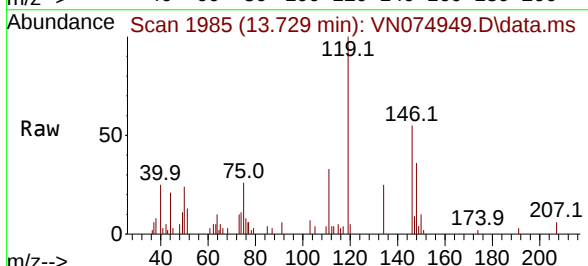
Tgt Ion:119 Resp: 9052

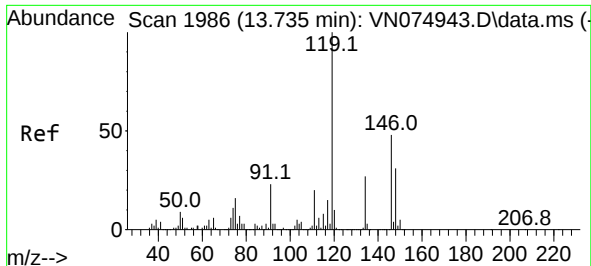
Ion Ratio Lower Upper

119 100

134 26.6 12.9 38.7

91 19.9 11.9 35.5





#87

1,3-Dichlorobenzene

Concen: 0.481 ug/l

RT: 13.747 min Scan# 1986

Delta R.T. 0.012 min

Lab File: VN074949.D

Acq: 20 Oct 2022 18:04

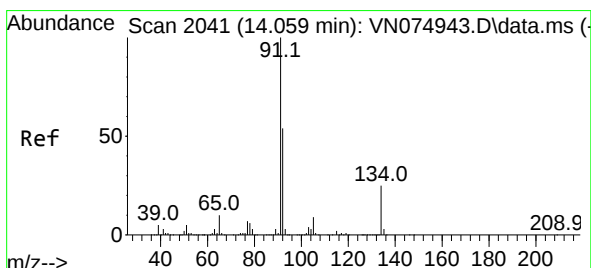
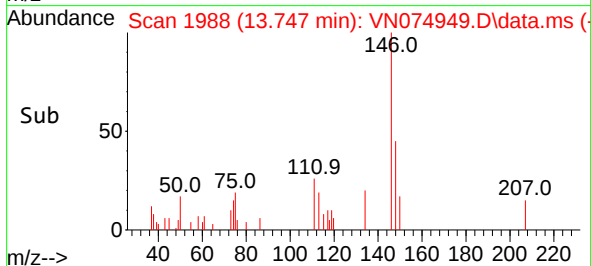
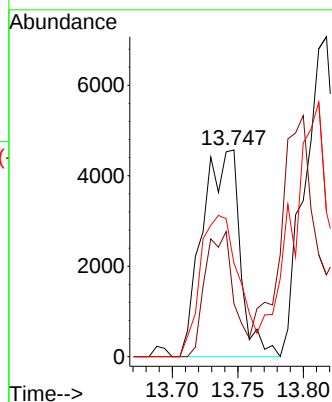
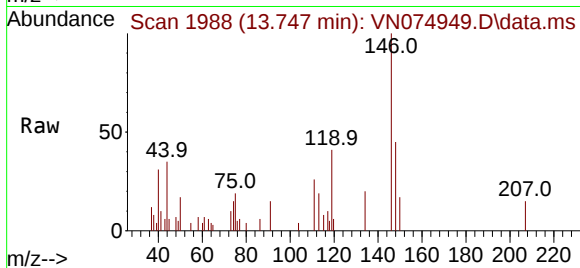
Instrument :

MSVOA_N

ClientSampleId :

IBLK

Tgt Ion:146	Resp:	9114
Ion	Ratio	Lower Upper
146	100	
111	46.0	21.5 64.5
148	70.7	31.7 95.1



#89

n-Butylbenzene

Concen: 0.329 ug/l

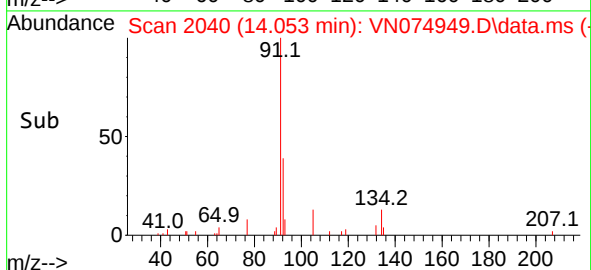
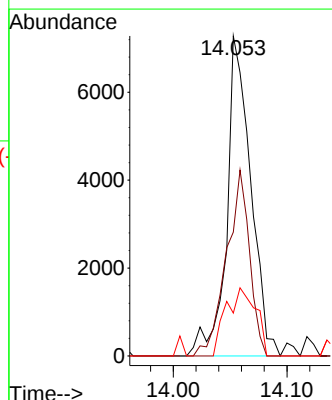
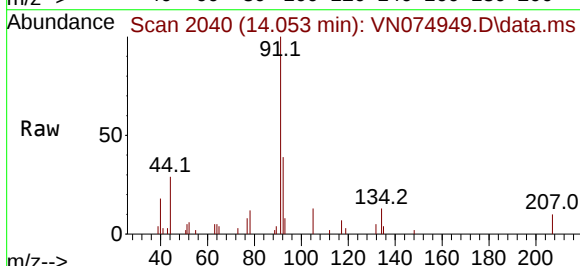
RT: 14.053 min Scan# 2040

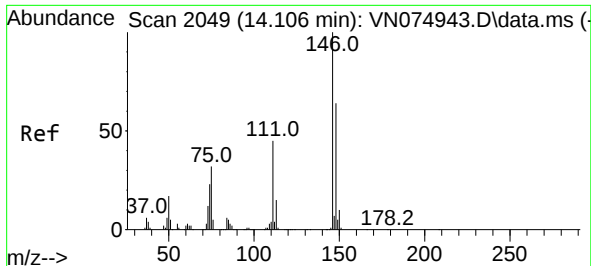
Delta R.T. -0.006 min

Lab File: VN074949.D

Acq: 20 Oct 2022 18:04

Tgt Ion: 91	Resp:	10708
Ion	Ratio	Lower Upper
91	100	
92	55.7	26.3 78.9
134	26.4	12.6 37.6





#91

1,2-Dichlorobenzene

Concen: 0.467 ug/l

RT: 14.112 min Scan# 2049

Delta R.T. 0.006 min

Lab File: VN074949.D

Acq: 20 Oct 2022 18:04

Instrument :

MSVOA_N

ClientSampleId :

IBLK

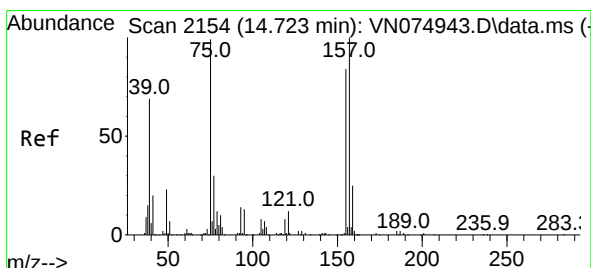
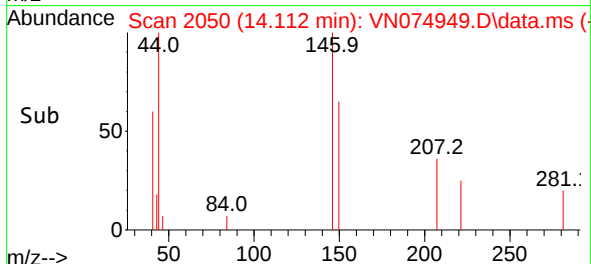
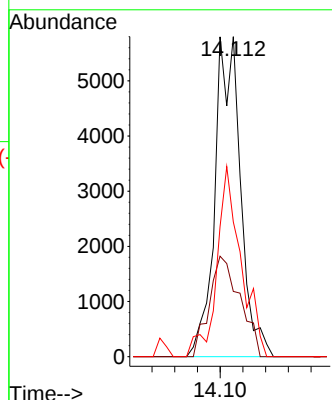
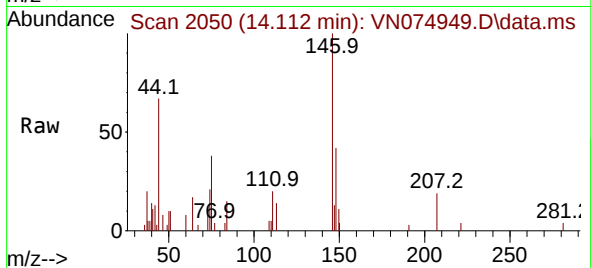
Tgt Ion:146 Resp: 9064

Ion Ratio Lower Upper

146 100

111 37.7 22.2 66.6

148 56.5 31.9 95.5



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.533 ug/l

RT: 14.717 min Scan# 2153

Delta R.T. -0.006 min

Lab File: VN074949.D

Acq: 20 Oct 2022 18:04

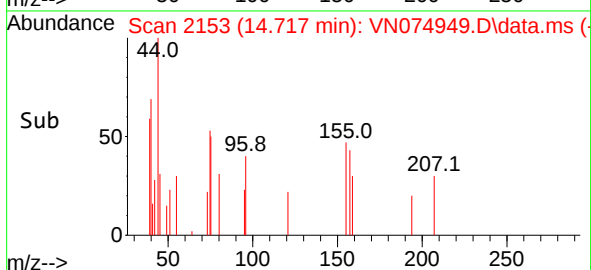
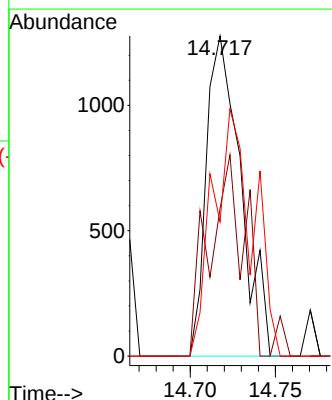
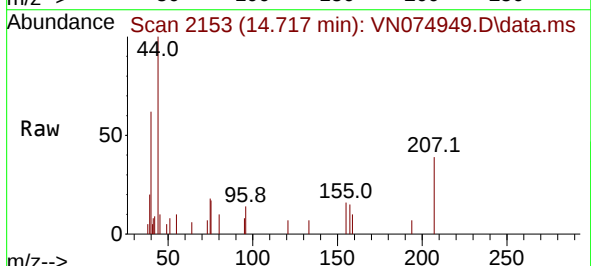
Tgt Ion: 75 Resp: 1785

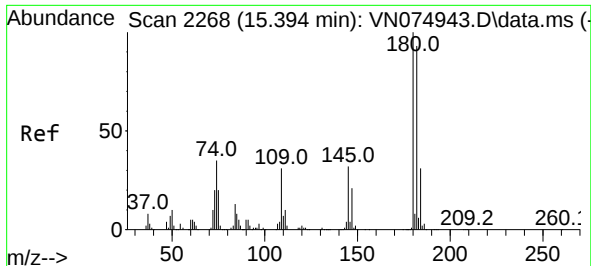
Ion Ratio Lower Upper

75 100

155 64.3 39.6 118.8

157 89.0 47.8 143.4

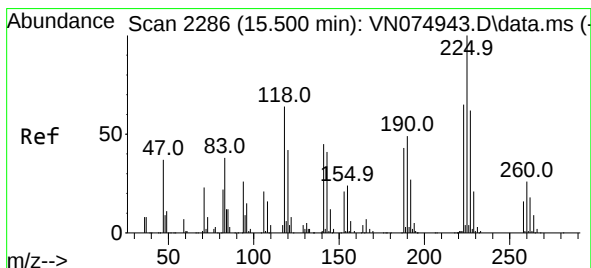
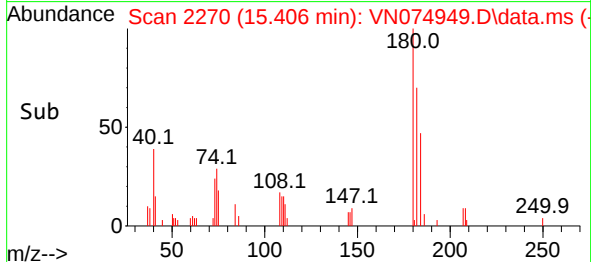
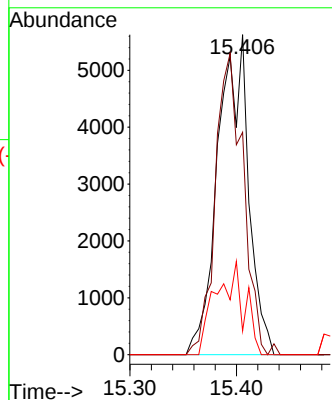
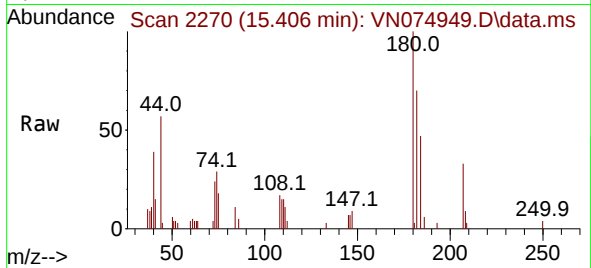




#93
1,2,4-Trichlorobenzene
Concen: 1.327 ug/l
RT: 15.406 min Scan# 21
Delta R.T. 0.012 min
Lab File: VN074949.D
Acq: 20 Oct 2022 18:04

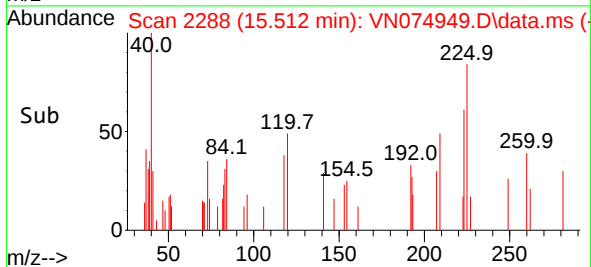
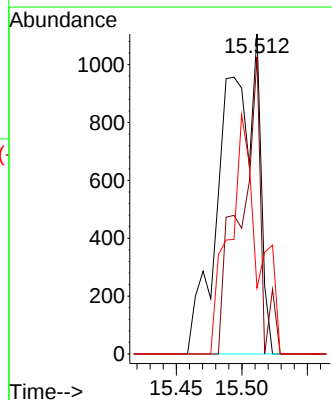
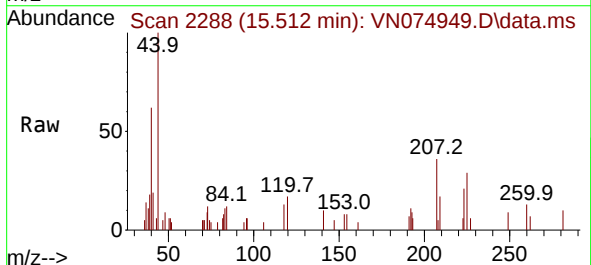
Instrument :
MSVOA_N
ClientSampleId :
IBLK

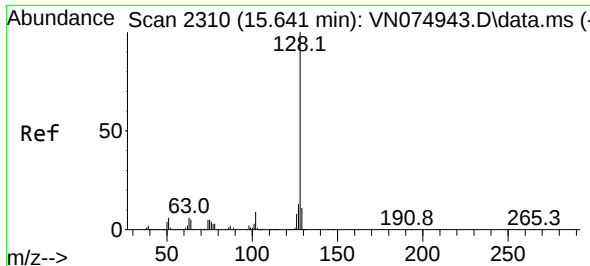
Tgt Ion:180 Resp: 11213
Ion Ratio Lower Upper
180 100
182 85.8 46.6 139.7
145 26.8 16.7 50.0



#94
Hexachlorobutadiene
Concen: 0.490 ug/l
RT: 15.512 min Scan# 2288
Delta R.T. 0.012 min
Lab File: VN074949.D
Acq: 20 Oct 2022 18:04

Tgt Ion:225 Resp: 2136
Ion Ratio Lower Upper
225 100
223 53.4 31.9 95.5
227 59.0 31.4 94.0

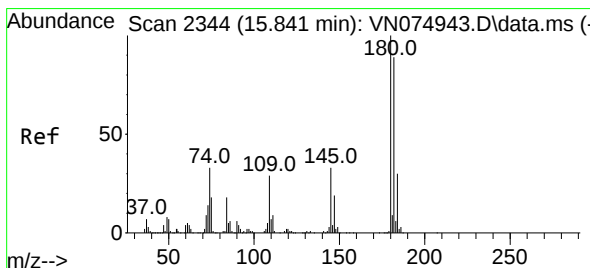
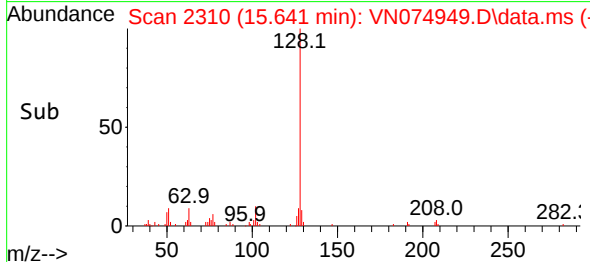
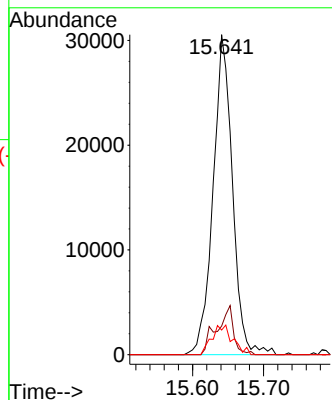
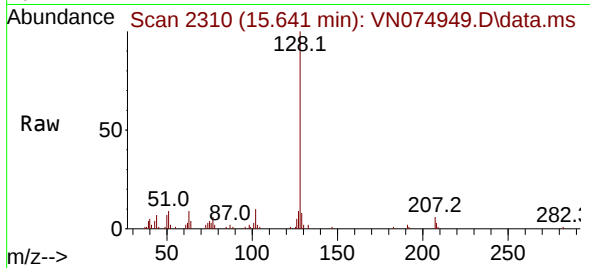




#95
Naphthalene
Concen: 1.800 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. 0.000 min
Lab File: VN074949.D
Acq: 20 Oct 2022 18:04

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:	128	Resp:	57816
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.4	15.6
129	10.0	8.6	12.8



#96
1,2,3-Trichlorobenzene
Concen: 1.458 ug/l
RT: 15.841 min Scan# 2344
Delta R.T. 0.000 min
Lab File: VN074949.D
Acq: 20 Oct 2022 18:04

Tgt Ion:	180	Resp:	12402
Ion Ratio	Lower	Upper	
180	100		
182	88.8	46.7	140.1
145	21.9	17.2	51.5

