

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101422\
 Data File : VN074906.D
 Acq On : 14 Oct 2022 12:23
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Oct 17 01:56:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101422W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 17 01:40:20 2022
 Response via : Initial Calibration

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

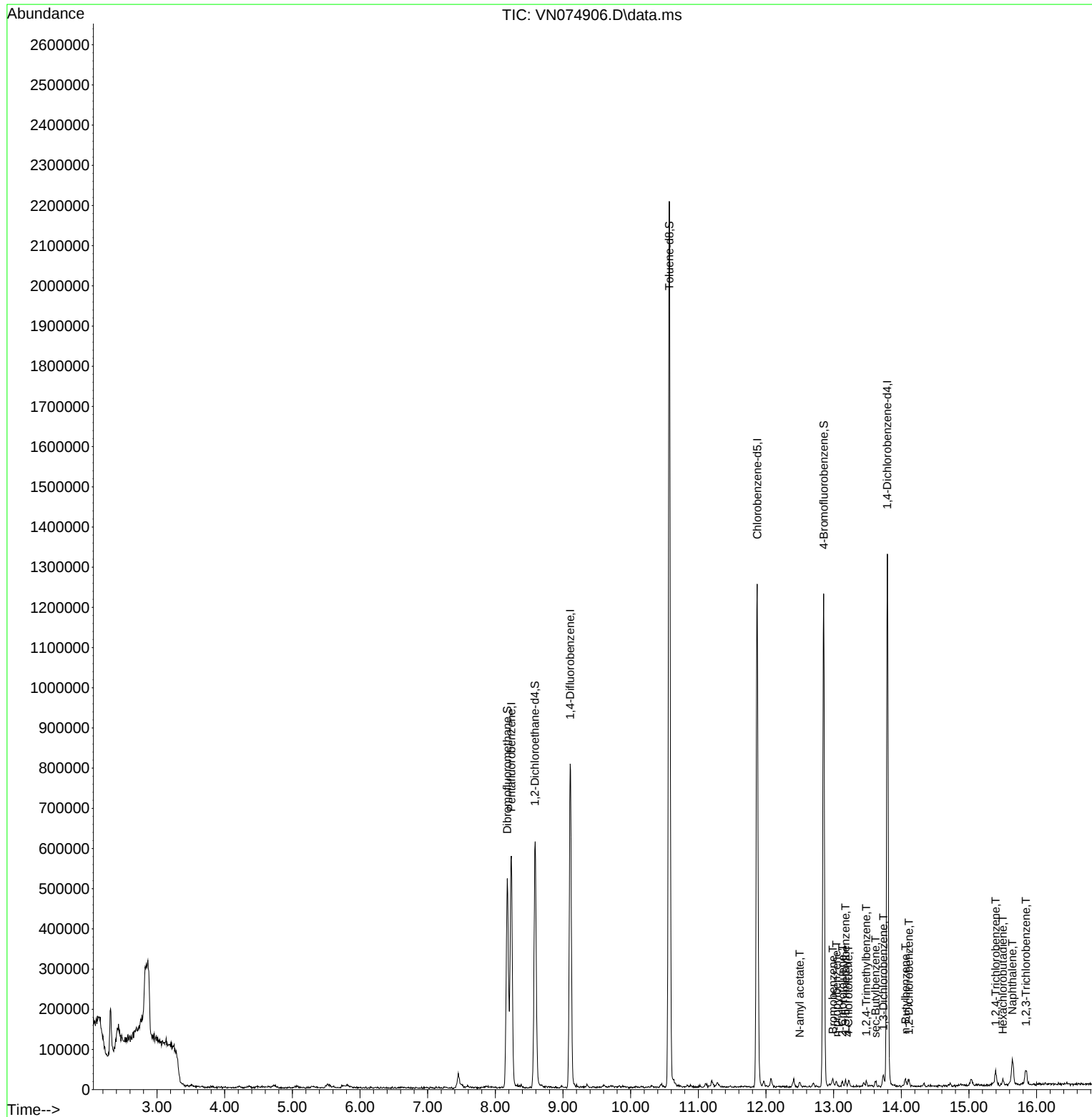
Internal Standards						
1) Pentafluorobenzene	8.236	168	401764	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	698873	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	682728	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	324626	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	461184	47.405	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.820%		
35) Dibromofluoromethane	8.177	113	350671	46.195	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.380%		
50) Toluene-d8	10.571	98	1474366	47.079	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.160%		
62) 4-Bromofluorobenzene	12.853	95	379545	37.205	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	74.400%#		
Target Compounds						Qvalue
74) N-amyl acetate	12.500	43	8355	0.533	ug/l #	95
77) Bromobenzene	12.988	156	4088	0.639	ug/l	56
78) n-propylbenzene	13.041	91	13280	0.403	ug/l	94
79) 2-Chlorotoluene	13.129	91	7533	0.382	ug/l	82
80) 1,3,5-Trimethylbenzene	13.176	105	6121	0.261	ug/l	78
82) 4-Chlorotoluene	13.218	91	8802	0.478	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	7360	0.319	ug/l	98
85) sec-Butylbenzene	13.618	105	8016	0.274	ug/l	91
87) 1,3-Dichlorobenzene	13.735	146	7210	0.601	ug/l	72
89) n-Butylbenzene	14.065	91	10619	0.536	ug/l	96
91) 1,2-Dichlorobenzene	14.112	146	7957	0.639	ug/l	88
93) 1,2,4-Trichlorobenzene	15.394	180	11588	2.058	ug/l	95
94) Hexachlorobutadiene	15.500	225	2091	0.773	ug/l	73
95) Naphthalene	15.641	128	69463	3.447	ug/l	97
96) 1,2,3-Trichlorobenzene	15.841	180	14874	2.789	ug/l	65

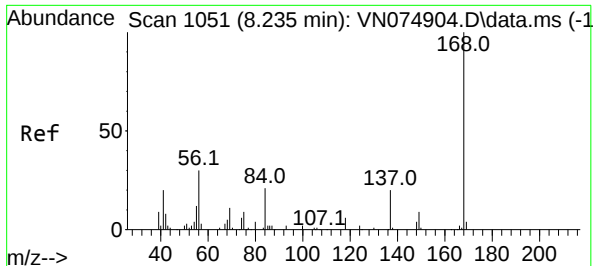
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101422W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 17 01:40:20 2022
Response via : Initial Calibration

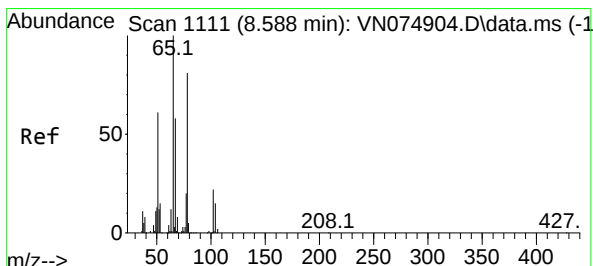
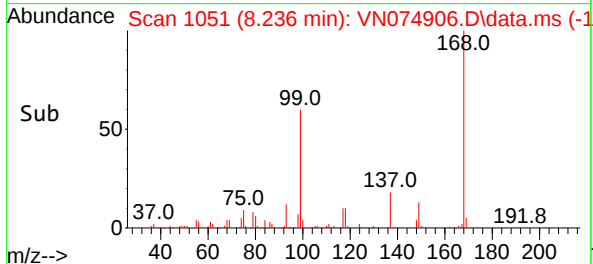
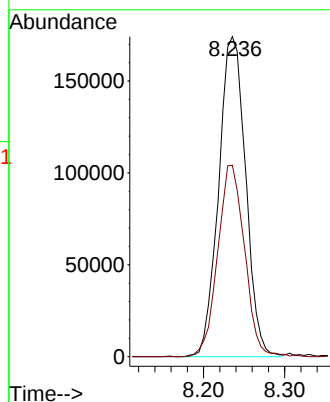
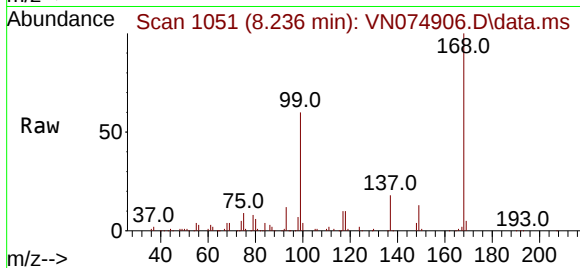




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 110
Delta R.T. 0.001 min
Lab File: VN074906.D
Acq: 14 Oct 2022 12:23

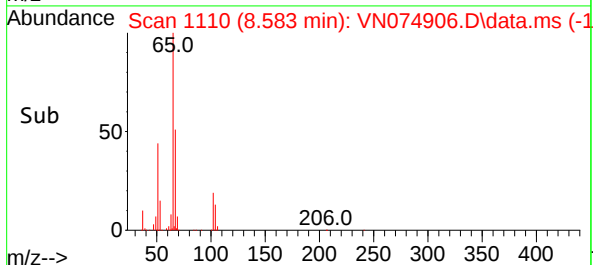
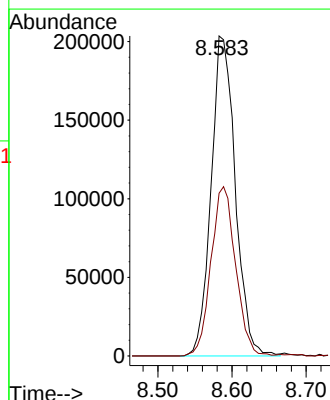
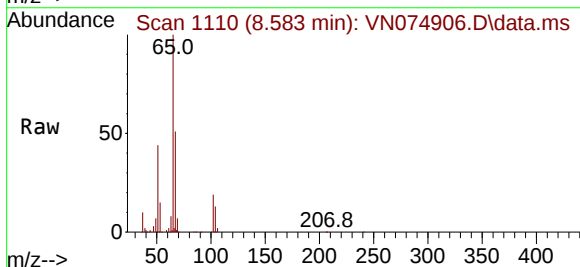
Instrument :
MSVOA_N
ClientSampleId :
IBLK

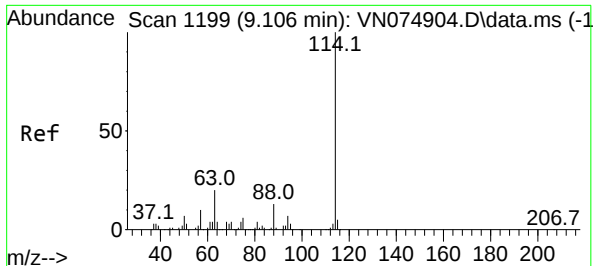
Tgt Ion:168 Resp: 401764
Ion Ratio Lower Upper
168 100
99 59.9 45.8 68.8



#33
1,2-Dichloroethane-d4
Concen: 47.405 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. -0.006 min
Lab File: VN074906.D
Acq: 14 Oct 2022 12:23

Tgt Ion: 65 Resp: 461184
Ion Ratio Lower Upper
65 100
67 53.9 0.0 108.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN074906.D

Acq: 14 Oct 2022 12:23

Instrument :

MSVOA_N

ClientSampleId :

IBLK

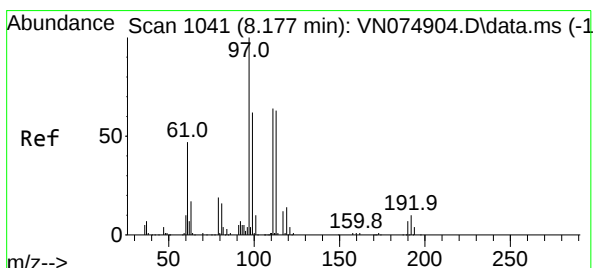
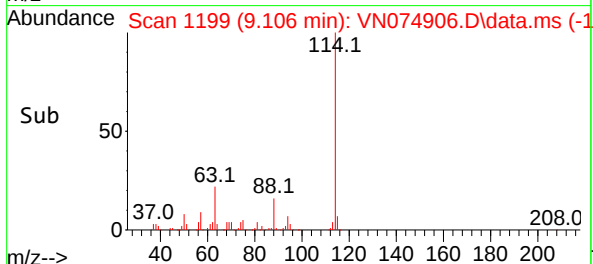
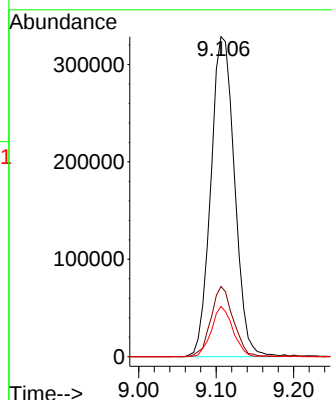
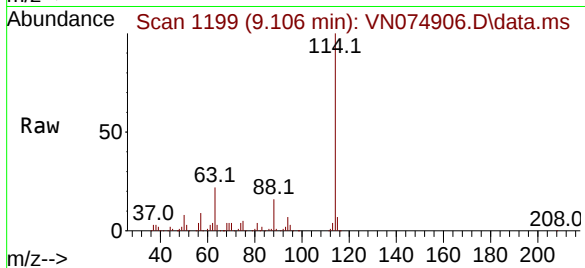
Tgt Ion:114 Resp: 698873

Ion Ratio Lower Upper

114 100

63 22.0 0.0 40.8

88 15.7 0.0 25.8



#35

Dibromofluoromethane

Concen: 46.195 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.000 min

Lab File: VN074906.D

Acq: 14 Oct 2022 12:23

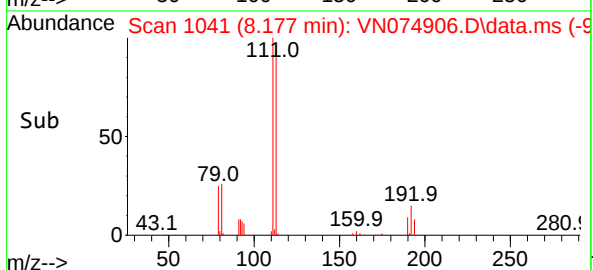
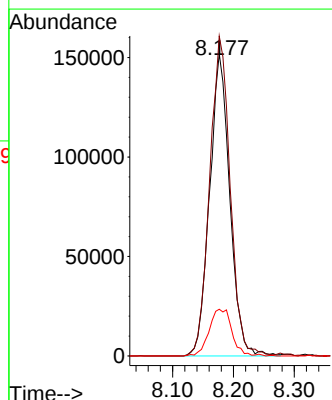
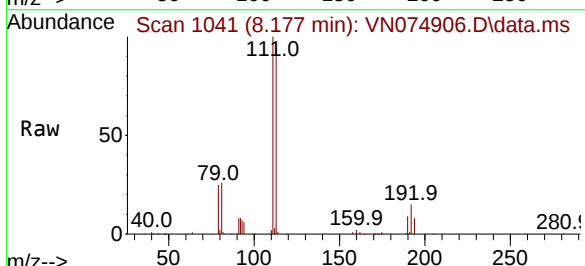
Tgt Ion:113 Resp: 350671

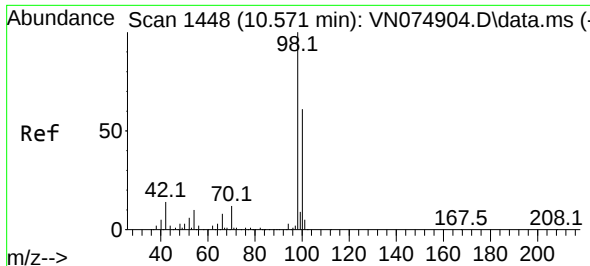
Ion Ratio Lower Upper

113 100

111 107.1 81.1 121.7

192 17.3 13.1 19.7

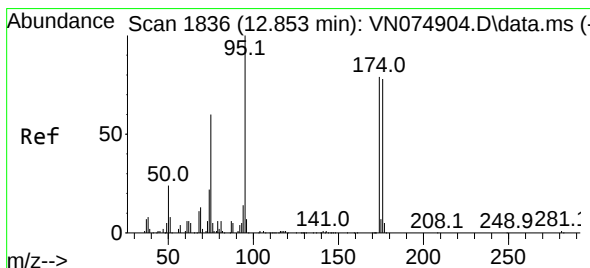
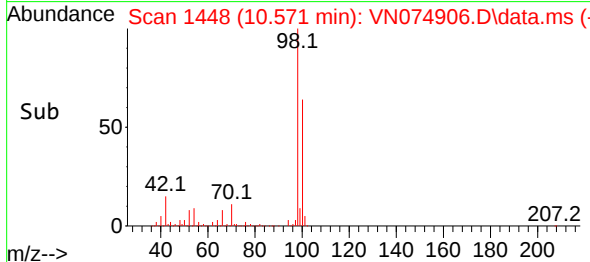
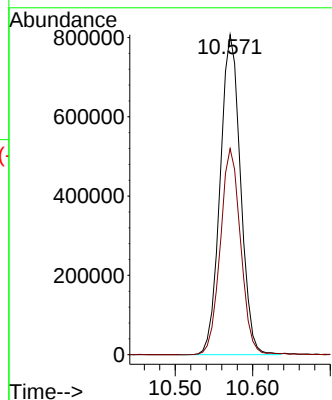
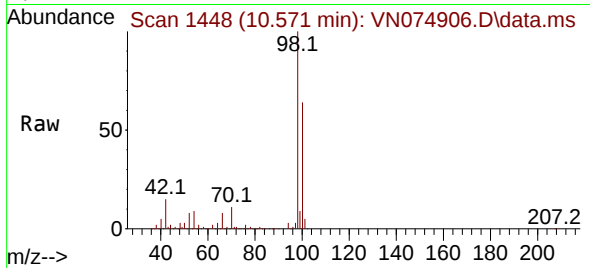




#50
Toluene-d8
Concen: 47.079 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN074906.D
Acq: 14 Oct 2022 12:23

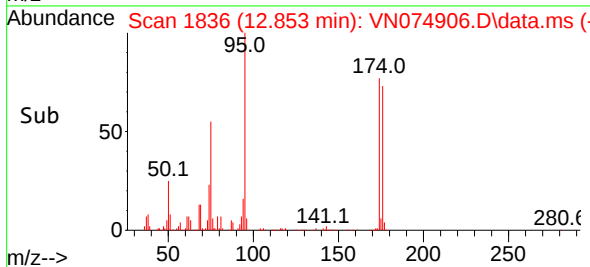
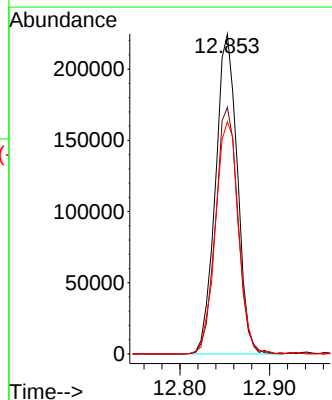
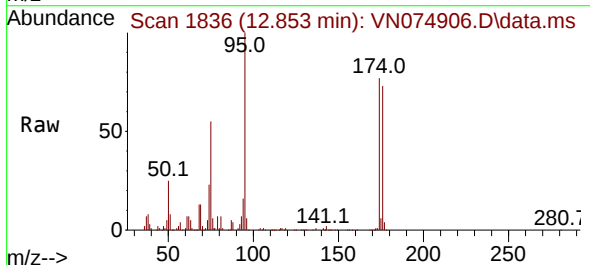
Instrument :
MSVOA_N
ClientSampleId :
IBLK

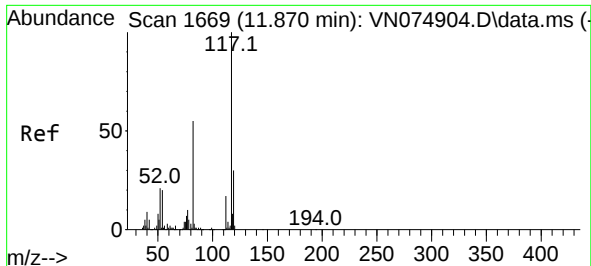
Tgt Ion: 98 Resp: 1474366
Ion Ratio Lower Upper
98 100
100 64.3 49.8 74.6



#62
4-Bromofluorobenzene
Concen: 37.205 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN074906.D
Acq: 14 Oct 2022 12:23

Tgt Ion: 95 Resp: 379545
Ion Ratio Lower Upper
95 100
174 78.7 0.0 159.4
176 76.6 0.0 152.4

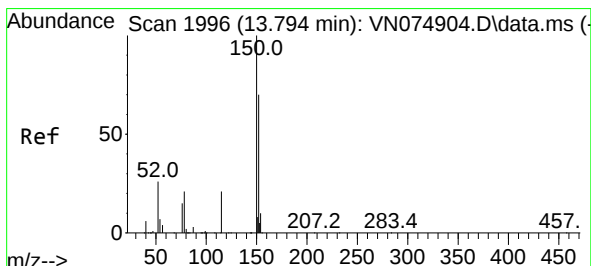
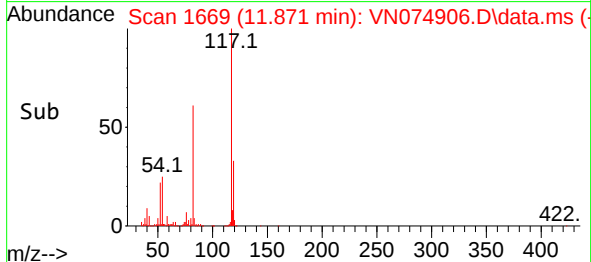
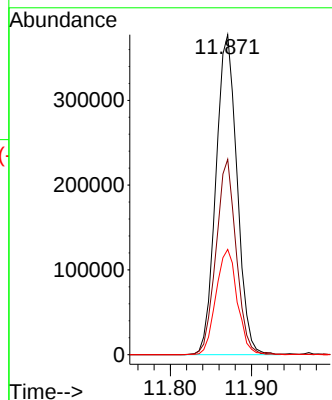
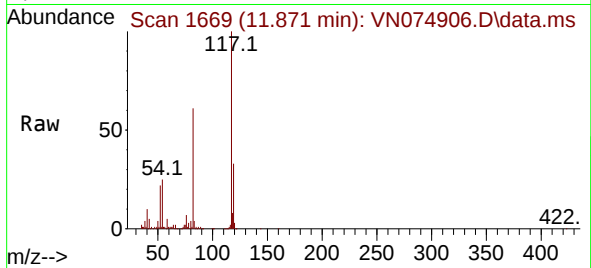




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.001 min
Lab File: VN074906.D
Acq: 14 Oct 2022 12:23

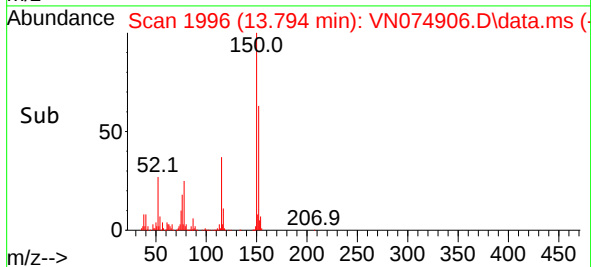
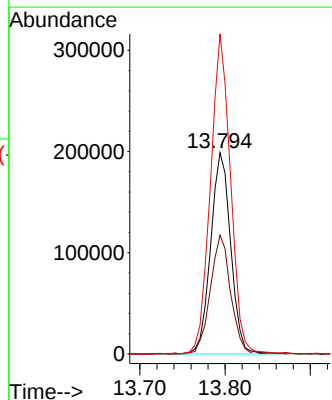
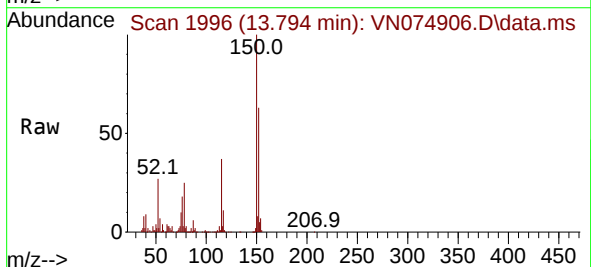
Instrument :
MSVOA_N
ClientSampleId :
IBLK

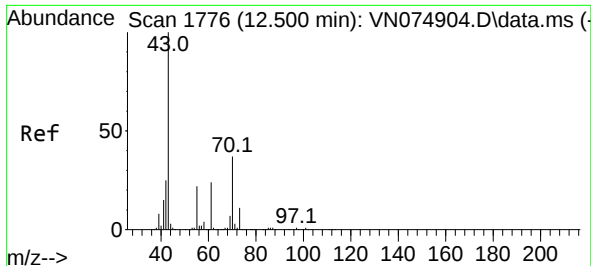
Tgt Ion:117 Resp: 682728
Ion Ratio Lower Upper
117 100
82 61.0 44.2 66.2
119 32.9 24.4 36.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN074906.D
Acq: 14 Oct 2022 12:23

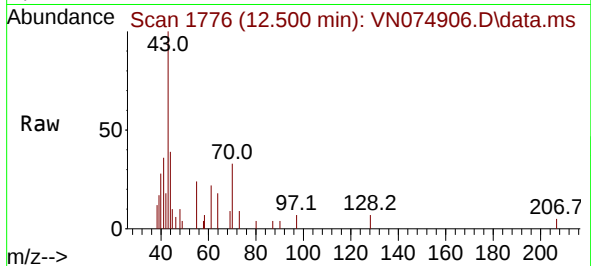
Tgt Ion:152 Resp: 324626
Ion Ratio Lower Upper
152 100
115 60.2 28.9 86.7
150 159.9 0.0 350.4



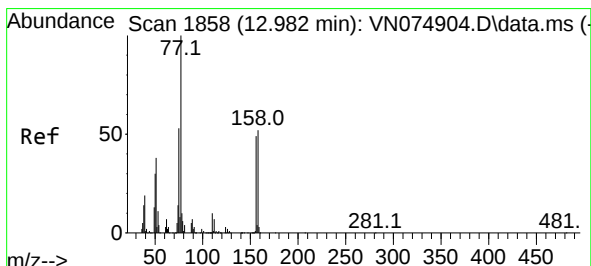
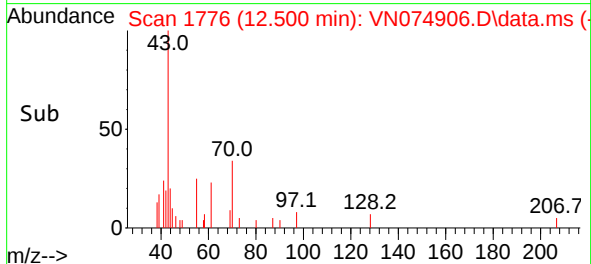
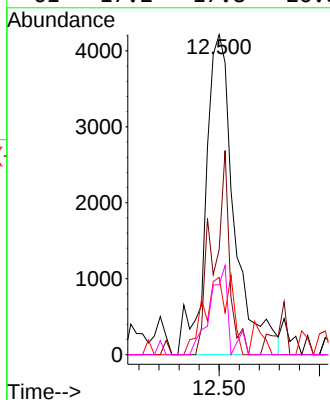


#74
N-amy1 acetate
Concen: 0.533 ug/l
RT: 12.500 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN074906.D
Acq: 14 Oct 2022 12:23

Instrument :
MSVOA_N
ClientSampleId :
IBLK

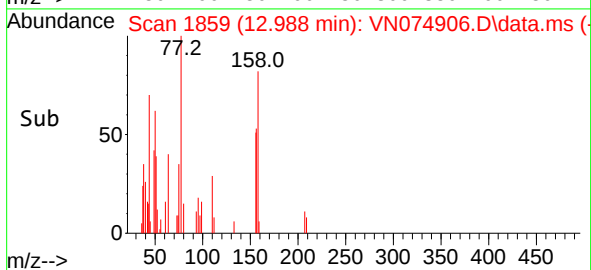
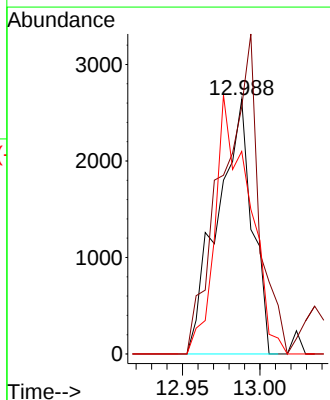
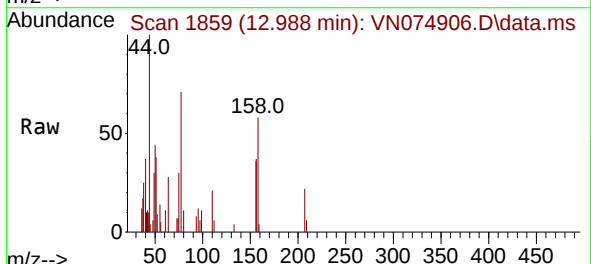


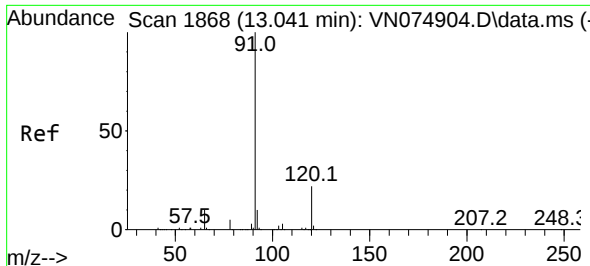
Tgt Ion:	43	Resp:	8355
Ion	Ratio	Lower	Upper
43	100		
70	36.3	31.5	47.3
55	23.2	18.2	27.4
61	17.2	17.8	26.8#



#77
Bromobenzene
Concen: 0.639 ug/l
RT: 12.988 min Scan# 1859
Delta R.T. 0.006 min
Lab File: VN074906.D
Acq: 14 Oct 2022 12:23

Tgt Ion:	156	Resp:	4088
Ion	Ratio	Lower	Upper
156	100		
77	131.0	116.3	348.9
158	99.7	47.9	143.7

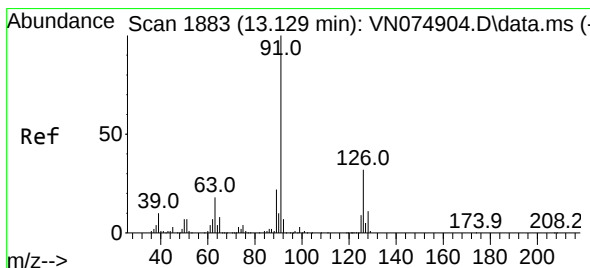
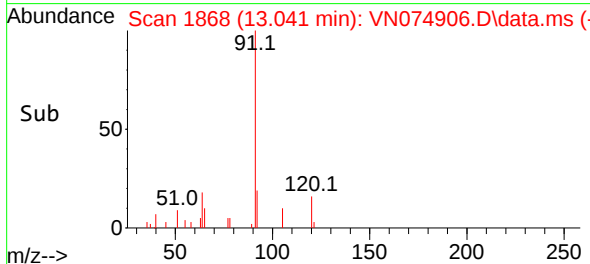
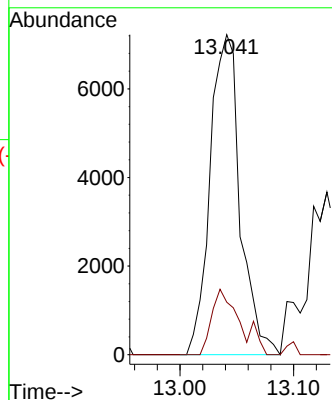
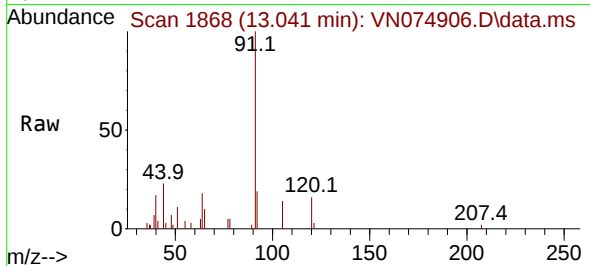




#78
n-propylbenzene
Concen: 0.403 ug/l
RT: 13.041 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VN074906.D
Acq: 14 Oct 2022 12:23

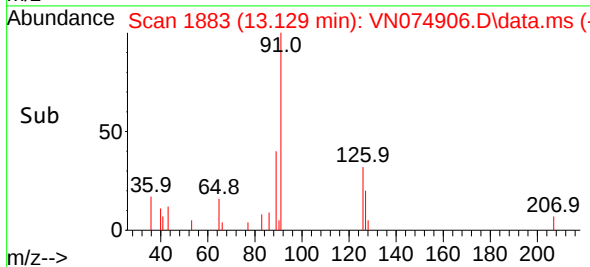
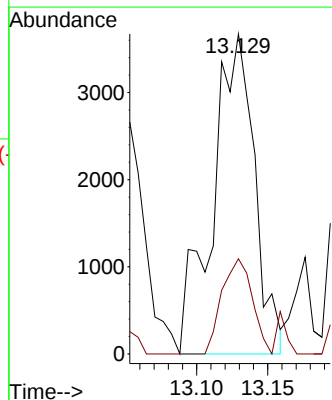
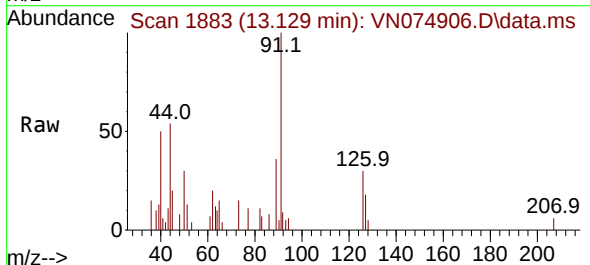
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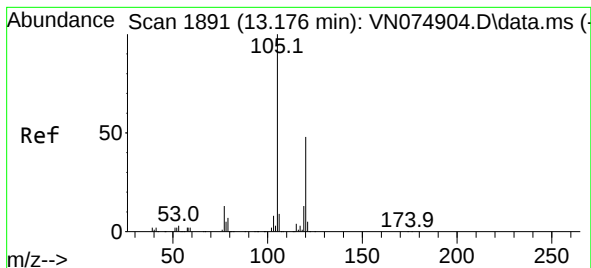
Tgt Ion: 91 Resp: 13280
Ion Ratio Lower Upper
91 100
120 19.1 10.9 32.9



#79
2-Chlorotoluene
Concen: 0.382 ug/l
RT: 13.129 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VN074906.D
Acq: 14 Oct 2022 12:23

Tgt Ion: 91 Resp: 7533
Ion Ratio Lower Upper
91 100
126 21.6 15.8 47.3





#80

1,3,5-Trimethylbenzene

Concen: 0.261 ug/l

RT: 13.176 min Scan# 1891

Delta R.T. 0.000 min

Lab File: VN074906.D

Acq: 14 Oct 2022 12:23

Instrument :

MSVOA_N

ClientSampleId :

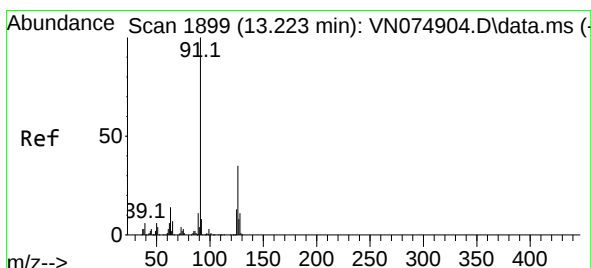
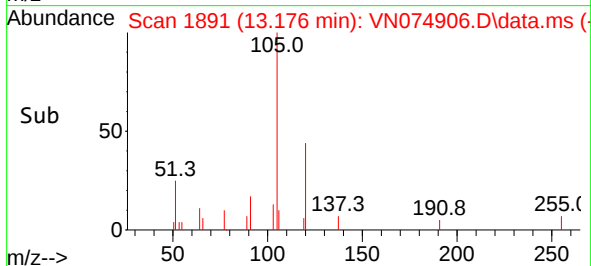
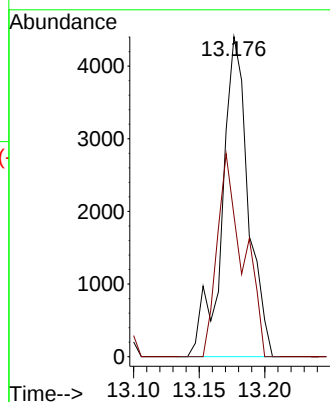
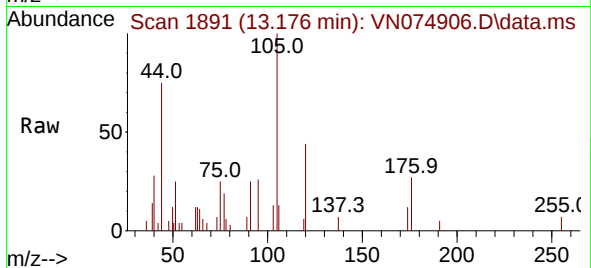
IBLK

Tgt Ion:105 Resp: 6121

Ion Ratio Lower Upper

105 100

120 62.4 23.9 71.8



#82

4-Chlorotoluene

Concen: 0.478 ug/l

RT: 13.218 min Scan# 1898

Delta R.T. -0.006 min

Lab File: VN074906.D

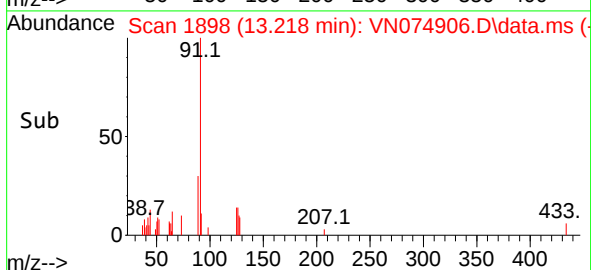
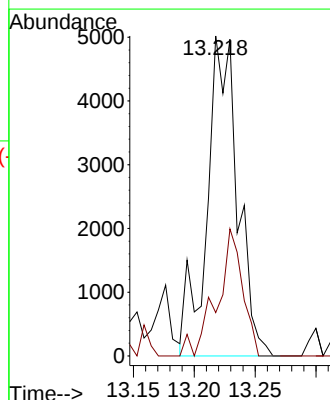
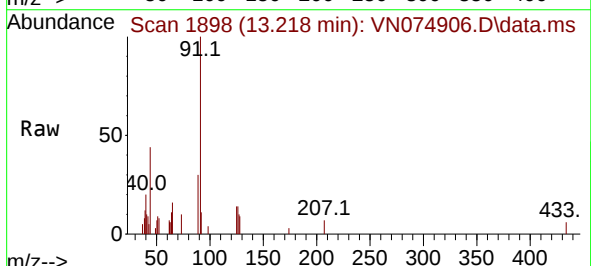
Acq: 14 Oct 2022 12:23

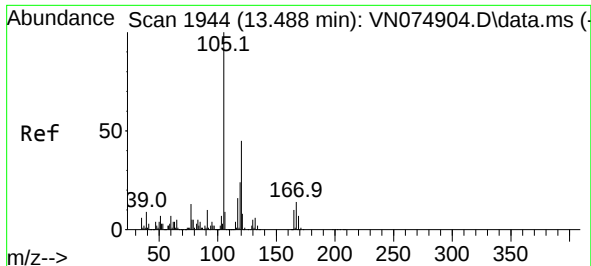
Tgt Ion: 91 Resp: 8802

Ion Ratio Lower Upper

91 100

126 33.1 16.7 50.1

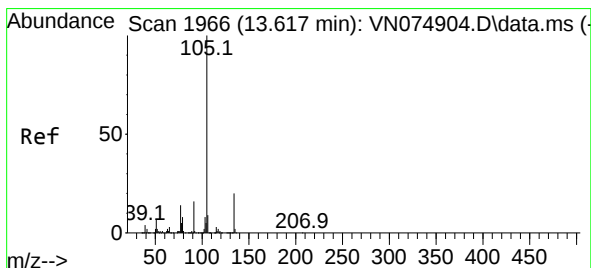
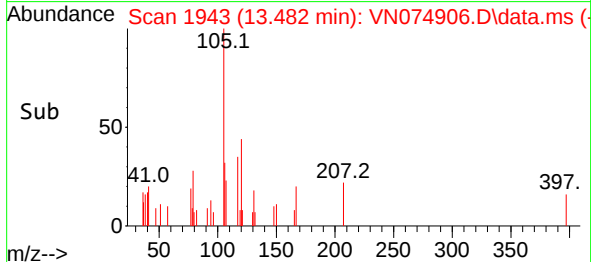
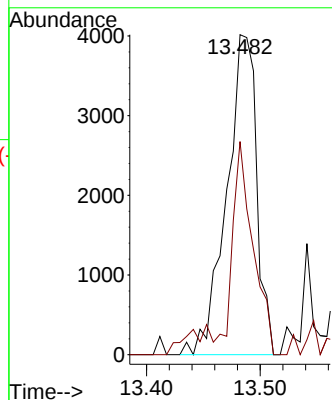
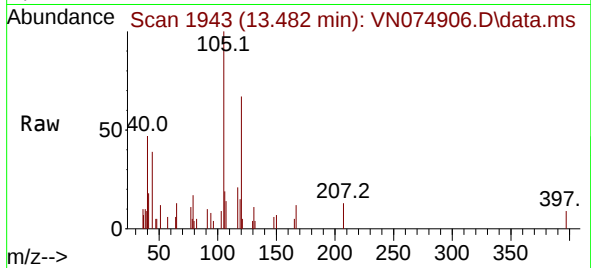




#84
1,2,4-Trimethylbenzene
Concen: 0.319 ug/l
RT: 13.482 min Scan# 1944
Delta R.T. -0.006 min
Lab File: VN074906.D
Acq: 14 Oct 2022 12:23

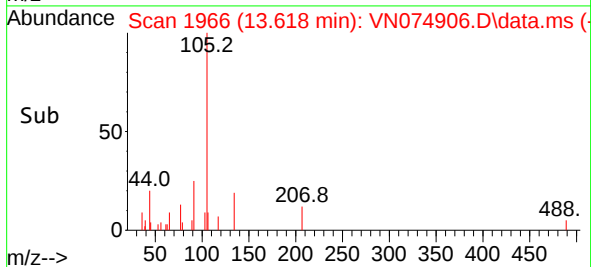
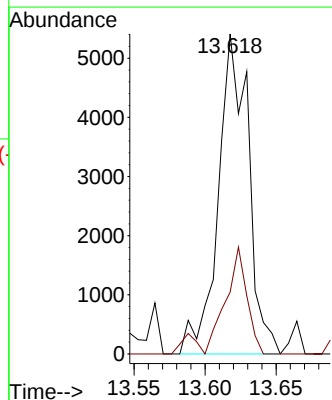
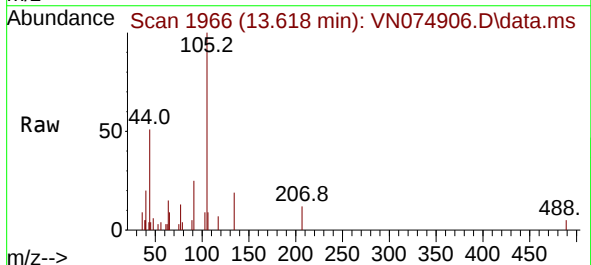
Instrument :
MSVOA_N
ClientSampleId :
IBLK

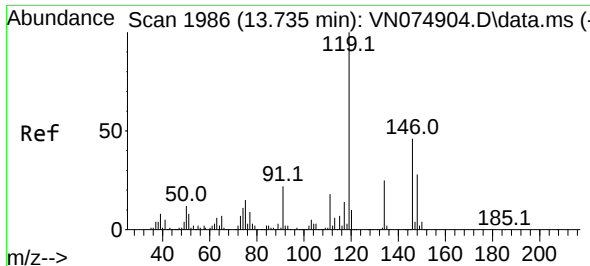
Tgt Ion:105 Resp: 7360
Ion Ratio Lower Upper
105 100
120 45.8 22.1 66.3



#85
sec-Butylbenzene
Concen: 0.274 ug/l
RT: 13.618 min Scan# 1966
Delta R.T. 0.000 min
Lab File: VN074906.D
Acq: 14 Oct 2022 12:23

Tgt Ion:105 Resp: 8016
Ion Ratio Lower Upper
105 100
134 23.4 9.7 28.9

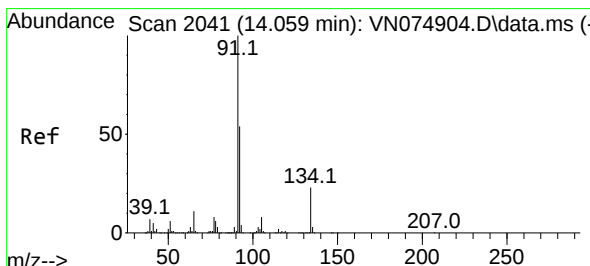
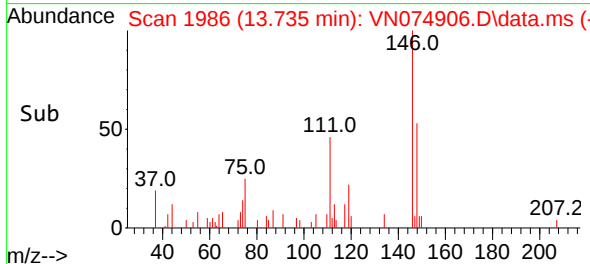
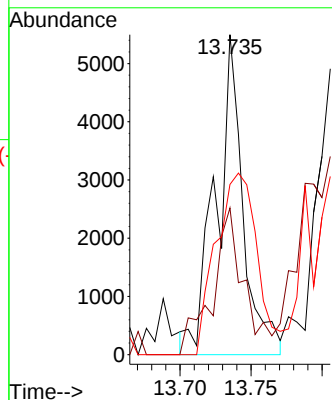
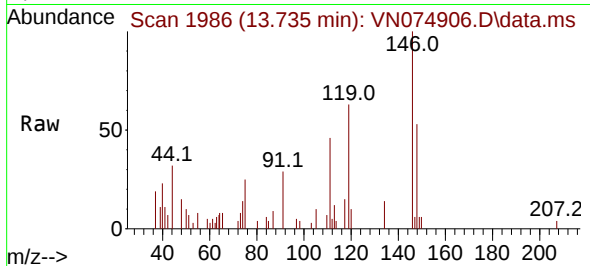




#87
1,3-Dichlorobenzene
Concen: 0.601 ug/l
RT: 13.735 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN074906.D
Acq: 14 Oct 2022 12:23

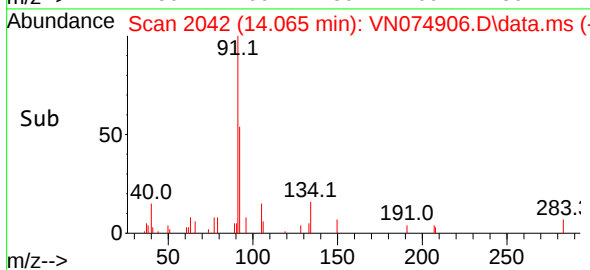
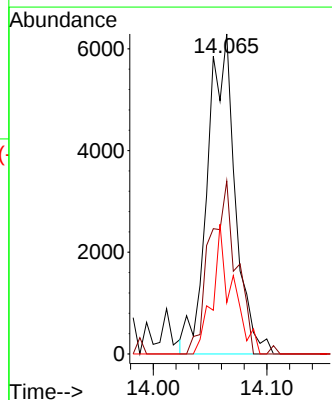
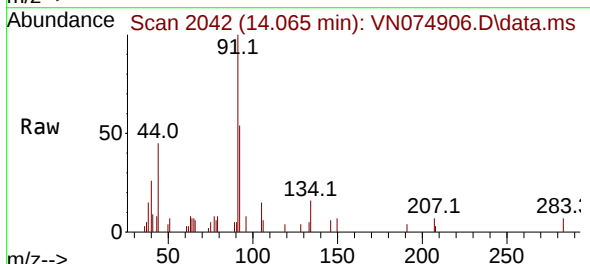
Instrument :
MSVOA_N
ClientSampleId :
IBLK

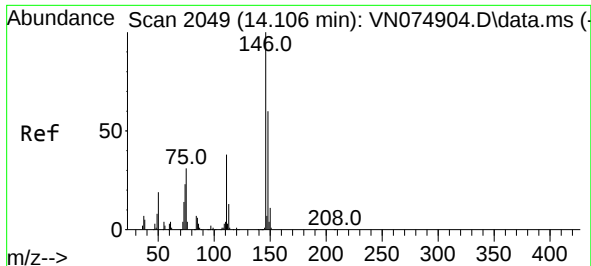
Tgt Ion:146 Resp: 7210
Ion Ratio Lower Upper
146 100
111 54.0 19.9 59.7
148 87.5 31.4 94.3



#89
n-Butylbenzene
Concen: 0.536 ug/l
RT: 14.065 min Scan# 2042
Delta R.T. 0.006 min
Lab File: VN074906.D
Acq: 14 Oct 2022 12:23

Tgt Ion: 91 Resp: 10619
Ion Ratio Lower Upper
91 100
92 51.8 25.9 77.8
134 29.5 11.6 34.7

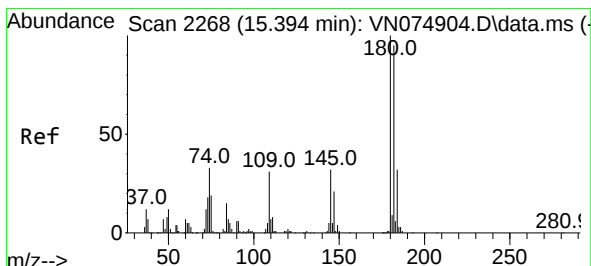
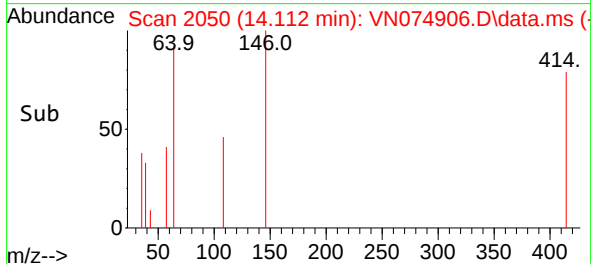
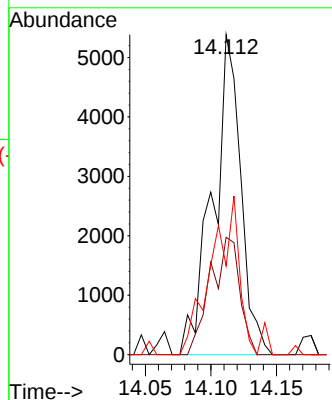
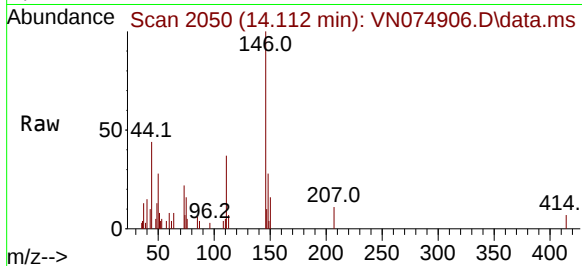




#91
1,2-Dichlorobenzene
Concen: 0.639 ug/l
RT: 14.112 min Scan# 2049
Delta R.T. 0.006 min
Lab File: VN074906.D
Acq: 14 Oct 2022 12:23

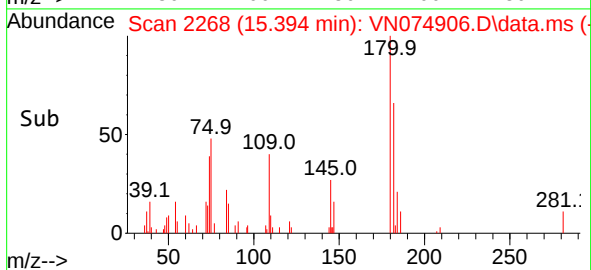
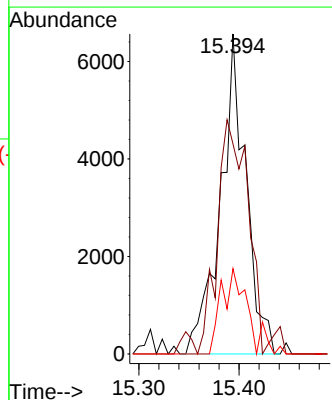
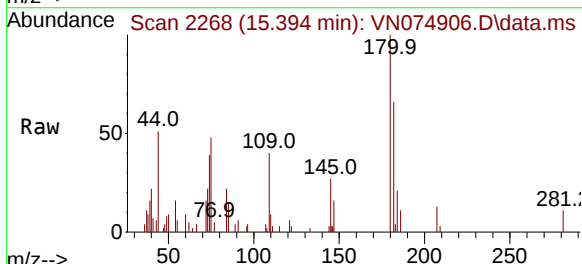
Instrument :
MSVOA_N
ClientSampleId :
IBLK

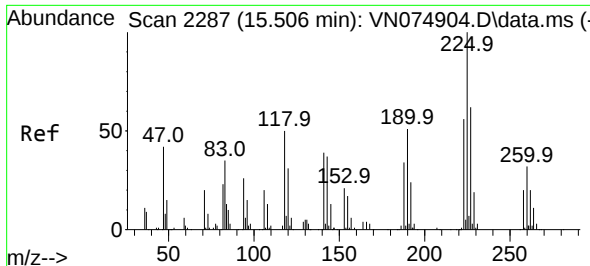
Tgt Ion:146 Resp: 7957
Ion Ratio Lower Upper
146 100
111 38.6 20.5 61.5
148 49.0 31.3 93.8



#93
1,2,4-Trichlorobenzene
Concen: 2.058 ug/l
RT: 15.394 min Scan# 2268
Delta R.T. 0.000 min
Lab File: VN074906.D
Acq: 14 Oct 2022 12:23

Tgt Ion:180 Resp: 11588
Ion Ratio Lower Upper
180 100
182 87.7 45.8 137.4
145 24.6 14.7 44.1

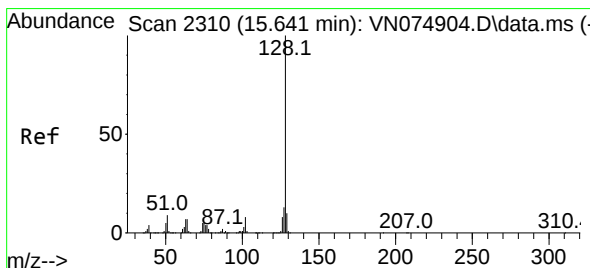
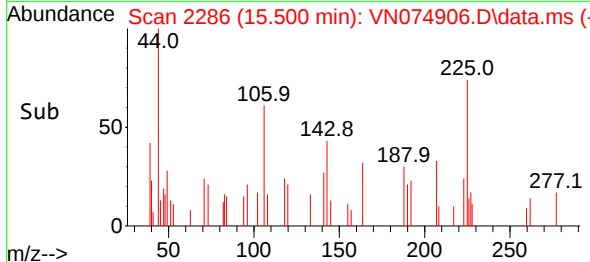
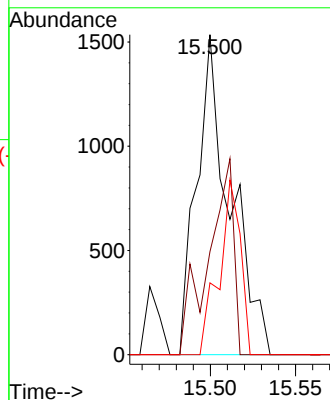
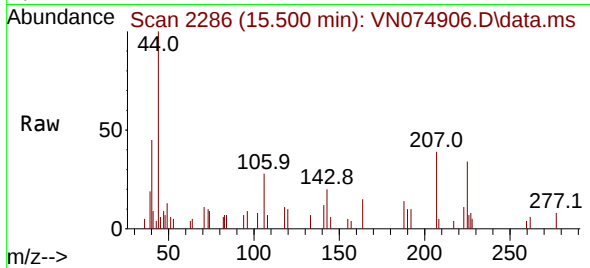




#94
Hexachlorobutadiene
Concen: 0.773 ug/l
RT: 15.500 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN074906.D
Acq: 14 Oct 2022 12:23

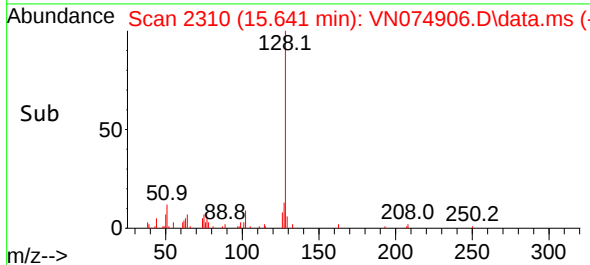
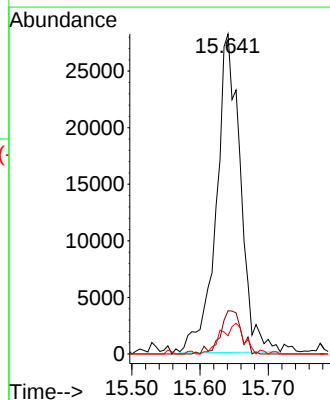
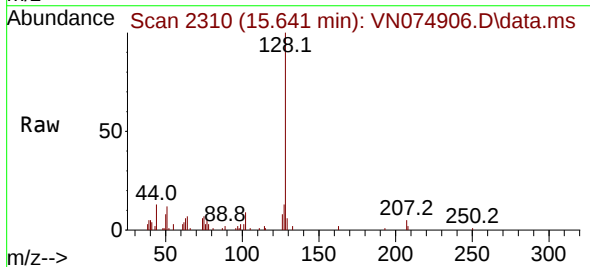
Instrument :
MSVOA_N
ClientSampleId :
IBLK

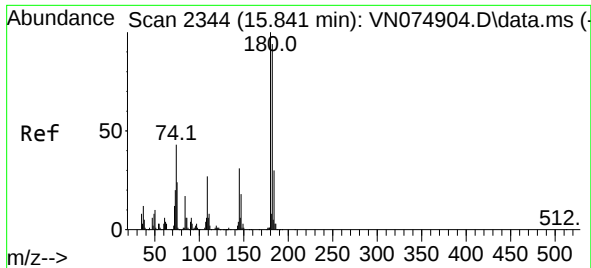
Tgt Ion:225	Resp:	2091
Ion Ratio	Lower	Upper
225	100	
223	46.7	30.1 90.5
227	35.0	31.4 94.0



#95
Naphthalene
Concen: 3.447 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. 0.000 min
Lab File: VN074906.D
Acq: 14 Oct 2022 12:23

Tgt Ion:128	Resp:	69463
Ion Ratio	Lower	Upper
128	100	
127	11.8	10.2 15.4
129	9.0	8.3 12.5





#96
 1,2,3-Trichlorobenzene
 Concen: 2.789 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN074906.D
 Acq: 14 Oct 2022 12:23

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Tgt Ion	Ratio	Lower	Upper
180	100		
182	51.4	48.0	144.0
145	30.9	15.7	47.0

