

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102022\
 Data File : VN074946.D
 Acq On : 20 Oct 2022 16:52
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Oct 21 04:19:46 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)

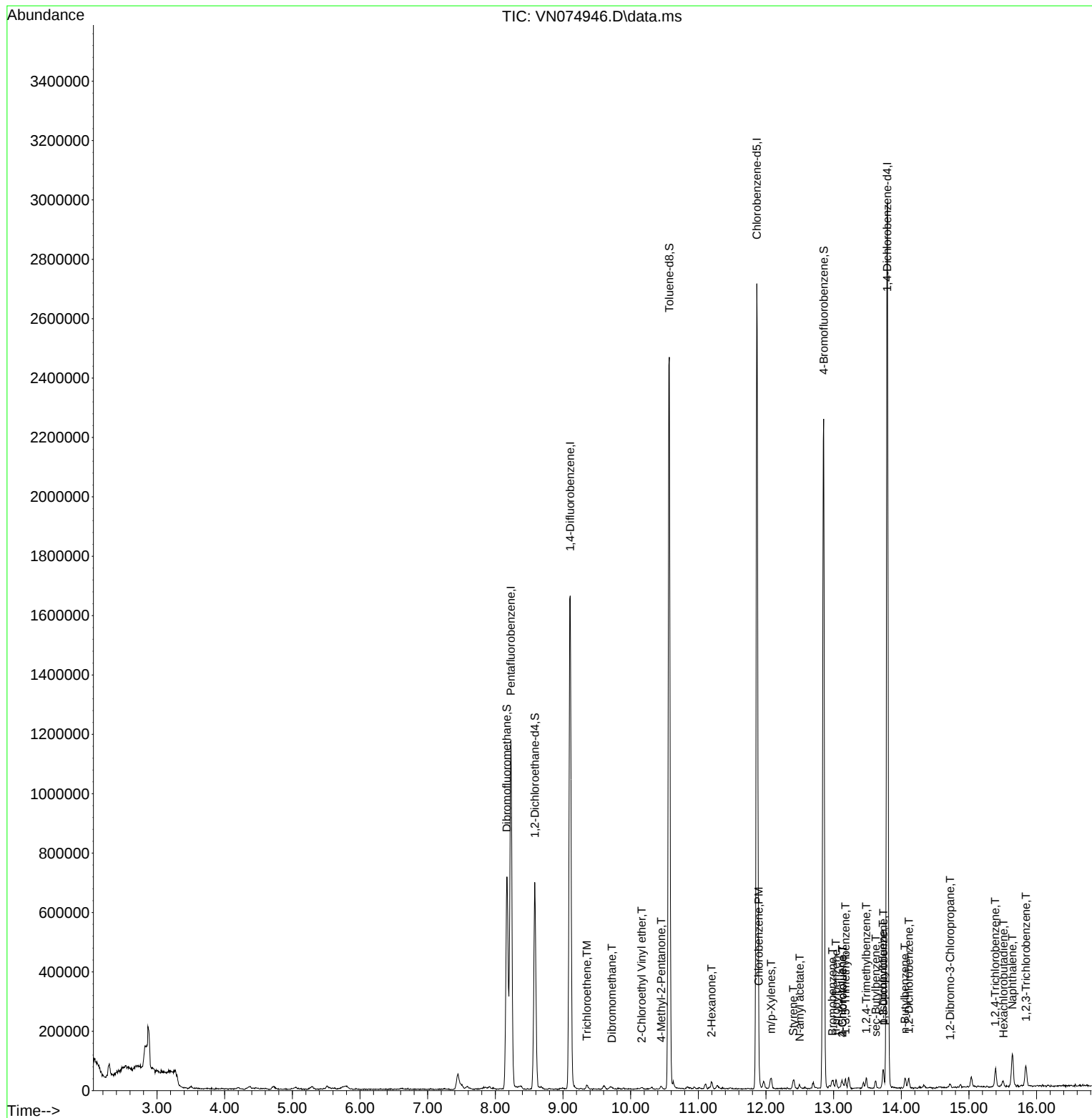
Internal Standards						
1) Pentafluorobenzene	8.230	168	804647	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	1511233	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	1527031	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	777488	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	540011	25.259	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	50.520%#		
35) Dibromofluoromethane	8.171	113	499211	27.753	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	55.500%#		
50) Toluene-d8	10.571	98	1733890	25.124	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	50.240%#		
62) 4-Bromofluorobenzene	12.853	95	797844	32.774	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	65.540%#		
Target Compounds					Qvalue	
44) Trichloroethene	9.353	130	4680	0.273	ug/l	97
46) Dibromomethane	9.724	93	2671	0.203	ug/l	93
51) 4-Methyl-2-Pentanone	10.453	43	7155	0.261	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	2999	3.837	ug/l #	88
59) 2-Hexanone	11.194	43	13913	0.669	ug/l	100
65) Chlorobenzene	11.894	112	11088	0.240	ug/l #	74
68) m/p-Xylenes	12.076	106	12376	0.387	ug/l	98
70) Styrene	12.406	104	11174	0.220	ug/l	97
74) N-amyl acetate	12.500	43	7666	0.300	ug/l #	86
77) Bromobenzene	12.982	156	5756	0.395	ug/l	89
78) n-propylbenzene	13.035	91	22118	0.298	ug/l	96
79) 2-Chlorotoluene	13.129	91	15181	0.330	ug/l	78
80) 1,3,5-Trimethylbenzene	13.176	105	12490	0.228	ug/l	97
82) 4-Chlorotoluene	13.129	91	15181	0.330	ug/l	78
84) 1,2,4-Trimethylbenzene	13.482	105	17636	0.318	ug/l	88
85) sec-Butylbenzene	13.623	105	15271	0.224	ug/l	94
86) p-Isopropyltoluene	13.729	119	14082	0.251	ug/l	95
87) 1,3-Dichlorobenzene	13.735	146	15364	0.551	ug/l	92
89) n-Butylbenzene	14.053	91	19317	0.403	ug/l	94
91) 1,2-Dichlorobenzene	14.112	146	13219	0.463	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	14.723	75	3467	0.704	ug/l	60
93) 1,2,4-Trichlorobenzene	15.388	180	16918	1.361	ug/l	89
94) Hexachlorobutadiene	15.511	225	3402	0.530	ug/l	90
95) Naphthalene	15.641	128	107718	2.280	ug/l	97
96) 1,2,3-Trichlorobenzene	15.841	180	23226	1.857	ug/l	92

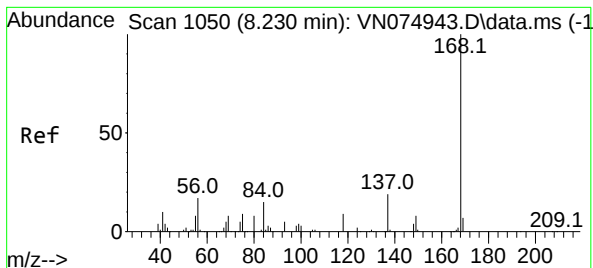
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102022\
Data File : VN074946.D
Acq On : 20 Oct 2022 16:52
Operator : JC\MD
Sample : IBLK
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Quant Time: Oct 21 04:19:46 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

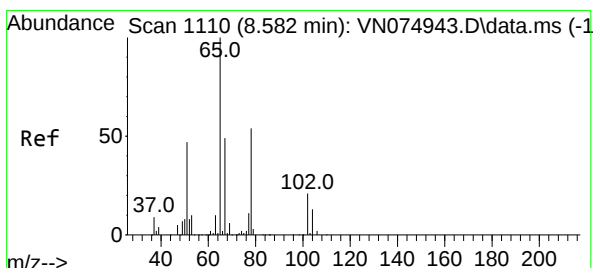
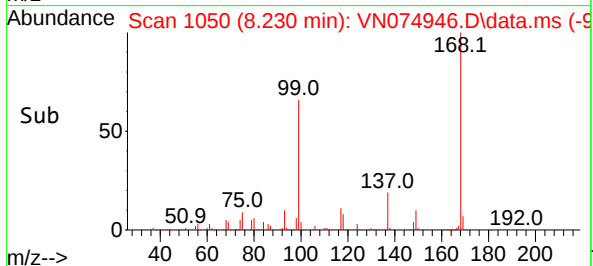
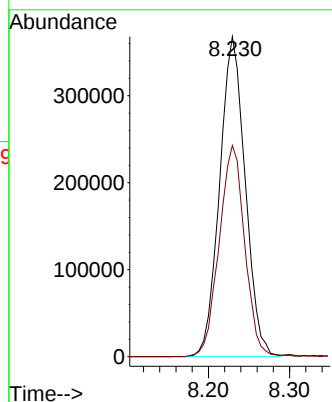
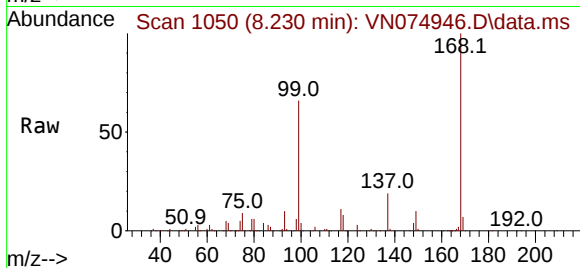




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN074946.D
Acq: 20 Oct 2022 16:52

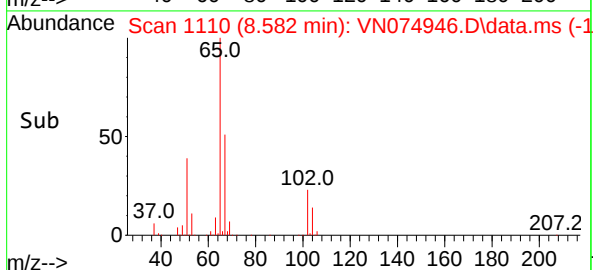
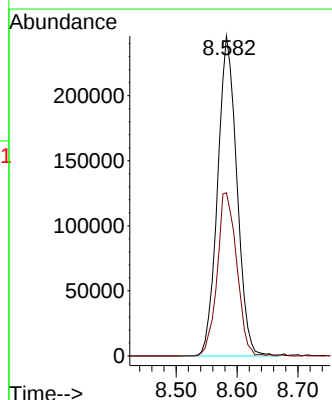
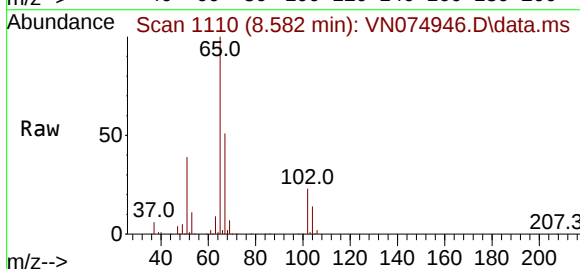
Instrument :
MSVOA_N
ClientSampleId :
IBLK

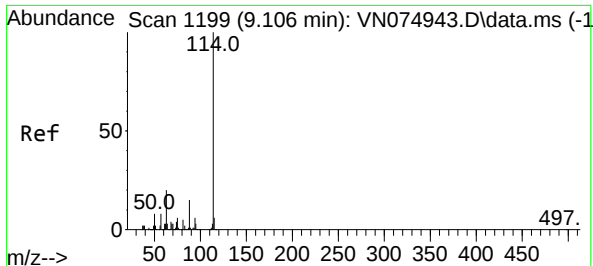
Tgt Ion:168 Resp: 804647
Ion Ratio Lower Upper
168 100
99 65.9 52.2 78.4



#33
1,2-Dichloroethane-d4
Concen: 25.259 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. 0.000 min
Lab File: VN074946.D
Acq: 20 Oct 2022 16:52

Tgt Ion: 65 Resp: 540011
Ion Ratio Lower Upper
65 100
67 51.9 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: VN074946.D

Acq: 20 Oct 2022 16:52

Instrument :

MSVOA_N

ClientSampleId :

IBLK

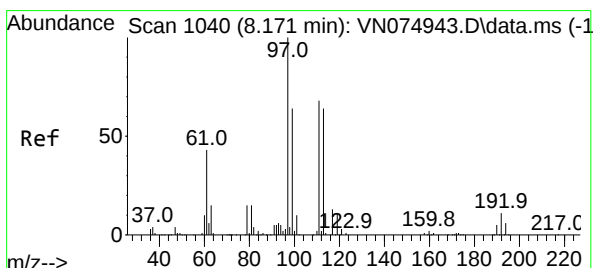
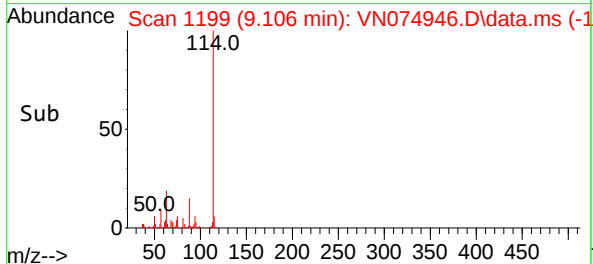
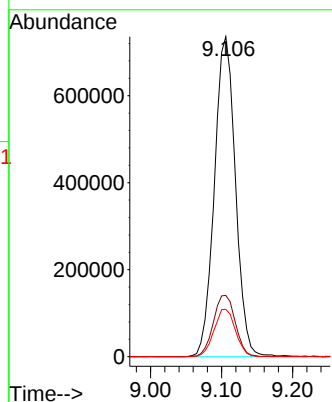
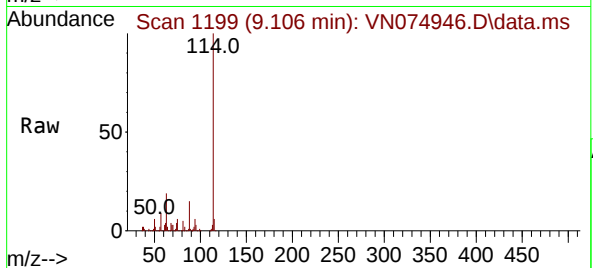
Tgt Ion:114 Resp: 1511233

Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.8

88 14.8 0.0 30.4



#35

Dibromofluoromethane

Concen: 27.753 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN074946.D

Acq: 20 Oct 2022 16:52

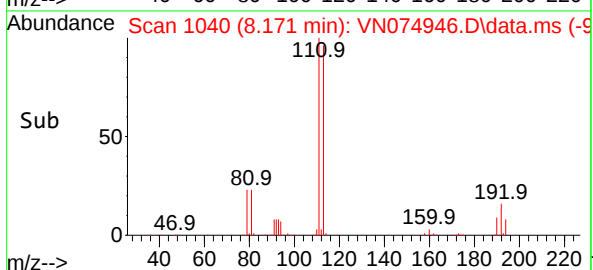
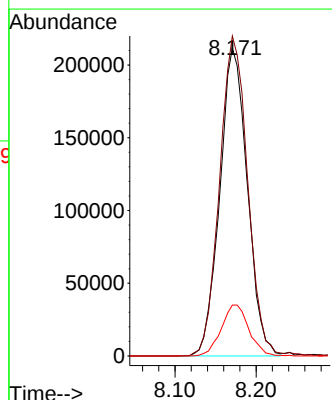
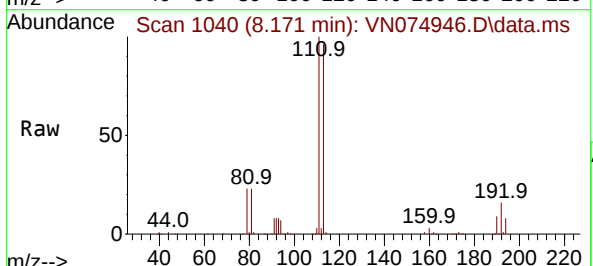
Tgt Ion:113 Resp: 499211

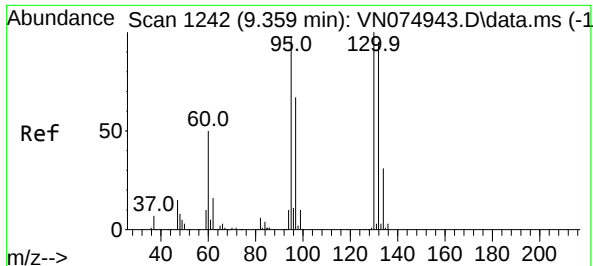
Ion Ratio Lower Upper

113 100

111 105.4 83.4 125.2

192 16.6 13.3 19.9

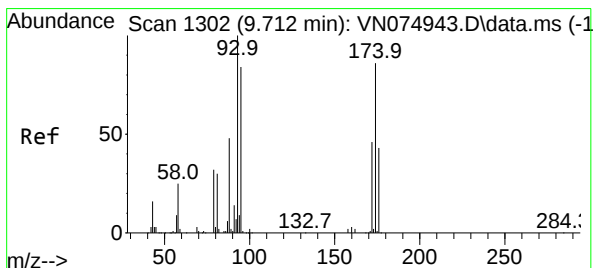
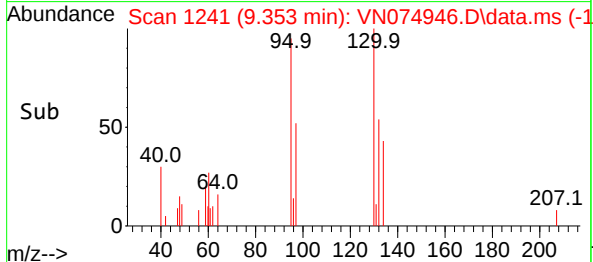
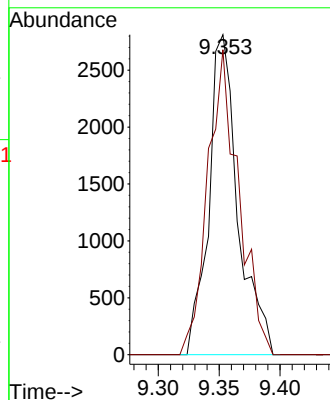
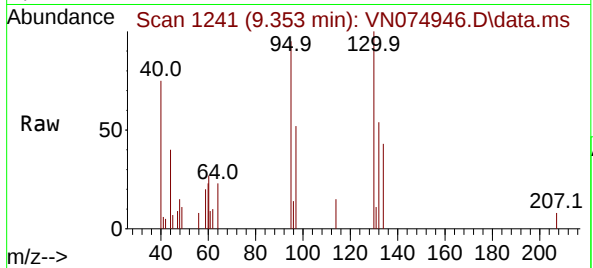




#44
Trichloroethene
Concen: 0.273 ug/l
RT: 9.353 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN074946.D
Acq: 20 Oct 2022 16:52

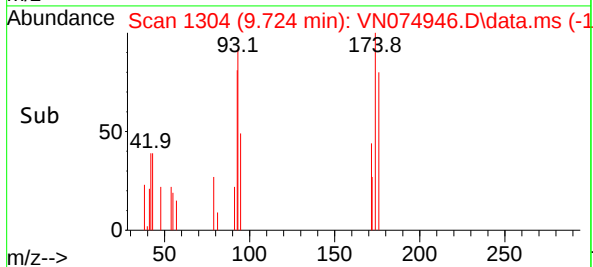
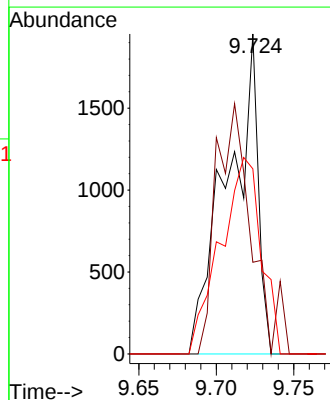
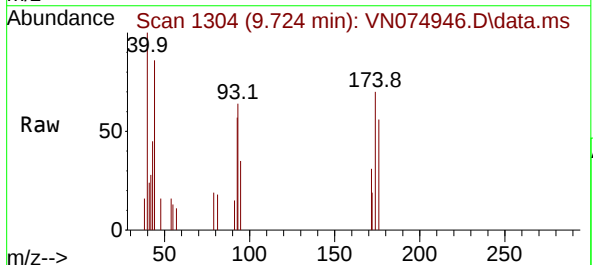
Instrument :
MSVOA_N
ClientSampleId :
IBLK

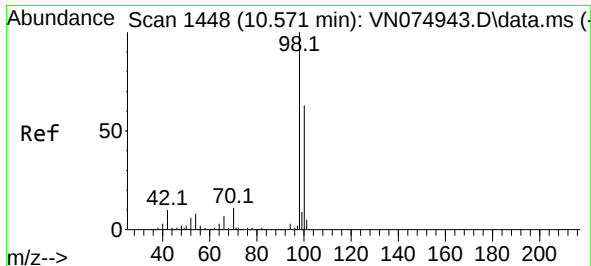
Tgt Ion:130 Resp: 4680
Ion Ratio Lower Upper
130 100
95 95.3 0.0 195.8



#46
Dibromomethane
Concen: 0.203 ug/l
RT: 9.724 min Scan# 1304
Delta R.T. 0.012 min
Lab File: VN074946.D
Acq: 20 Oct 2022 16:52

Tgt Ion: 93 Resp: 2671
Ion Ratio Lower Upper
93 100
95 90.9 66.0 99.0
174 82.2 68.8 103.2

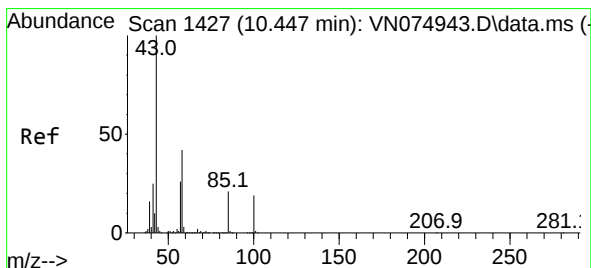
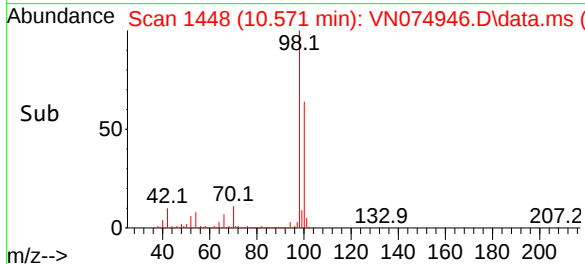
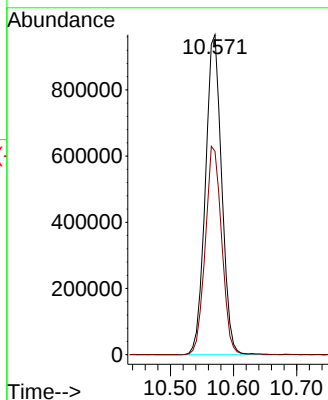
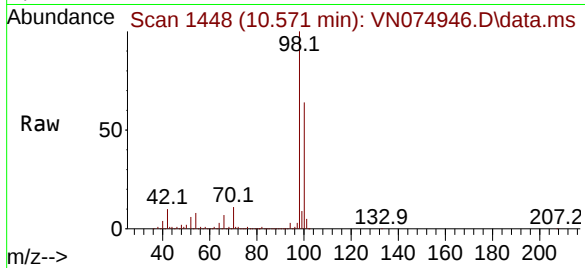




#50
Toluene-d8
Concen: 25.124 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN074946.D
Acq: 20 Oct 2022 16:52

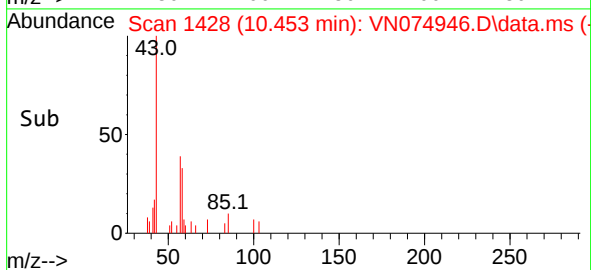
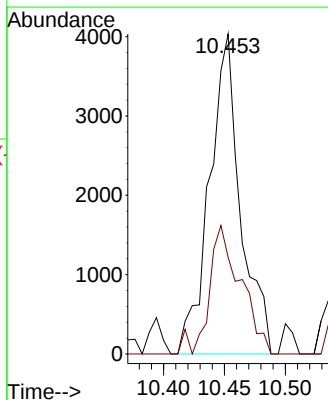
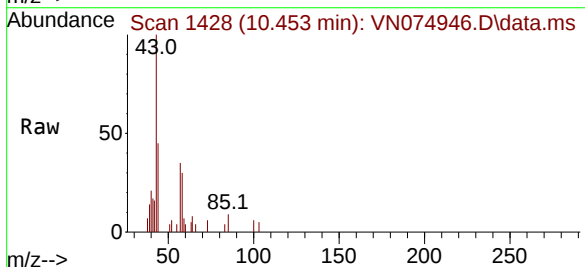
Instrument :
MSVOA_N
ClientSampleId :
IBLK

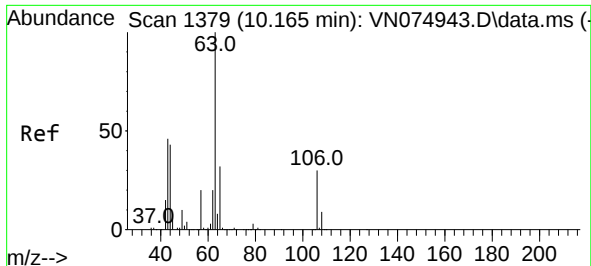
Tgt Ion: 98 Resp: 1733890
Ion Ratio Lower Upper
98 100
100 65.6 51.4 77.2



#51
4-Methyl-2-Pentanone
Concen: 0.261 ug/l
RT: 10.453 min Scan# 1428
Delta R.T. 0.006 min
Lab File: VN074946.D
Acq: 20 Oct 2022 16:52

Tgt Ion: 43 Resp: 7155
Ion Ratio Lower Upper
43 100
58 40.7 33.6 50.4

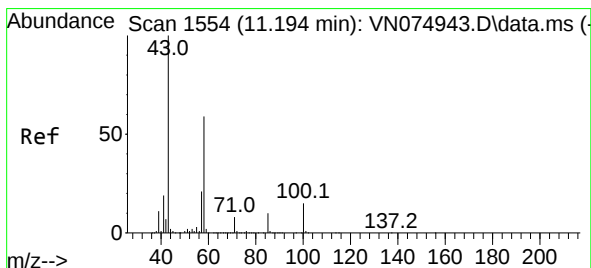
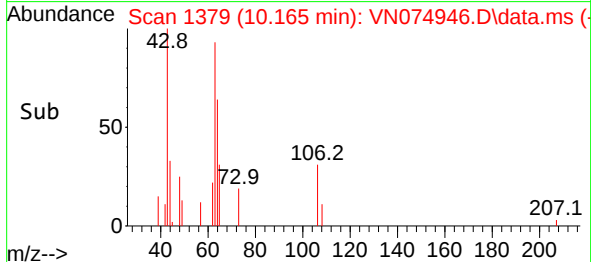
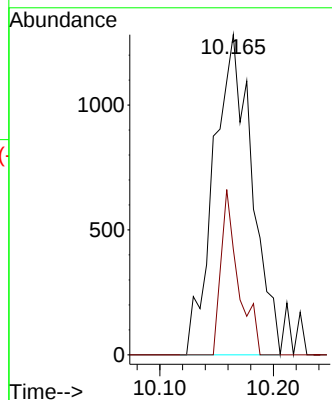
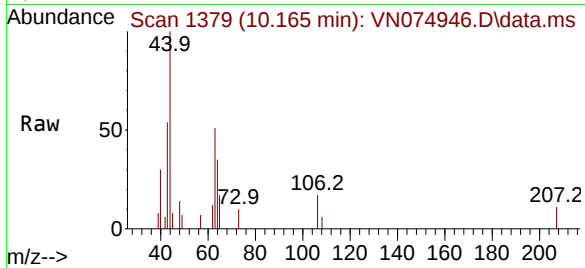




#58
2-Chloroethyl Vinyl ether
Concen: 3.837 ug/l
RT: 10.165 min Scan# 1379
Delta R.T. -0.000 min
Lab File: VN074946.D
Acq: 20 Oct 2022 16:52

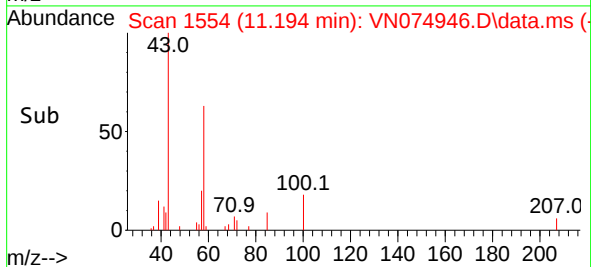
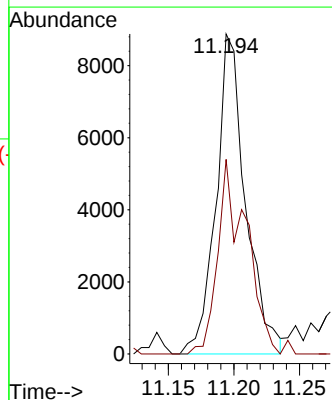
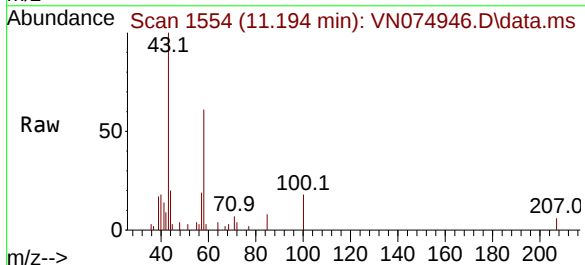
Instrument :
MSVOA_N
ClientSampleId :
IBLK

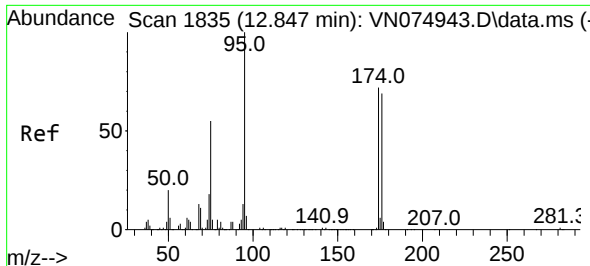
Tgt Ion: 63 Resp: 2999
Ion Ratio Lower Upper
63 100
106 23.5 24.1 36.1#



#59
2-Hexanone
Concen: 0.669 ug/l
RT: 11.194 min Scan# 1554
Delta R.T. -0.000 min
Lab File: VN074946.D
Acq: 20 Oct 2022 16:52

Tgt Ion: 43 Resp: 13913
Ion Ratio Lower Upper
43 100
58 59.1 29.5 88.5

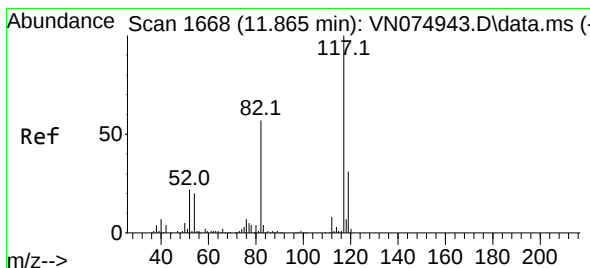
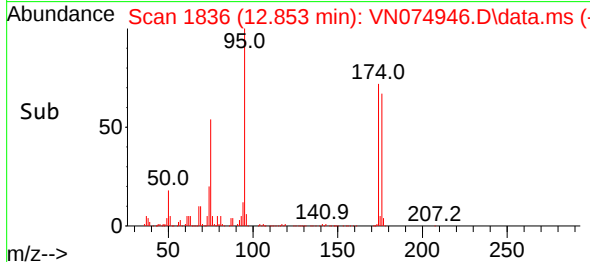
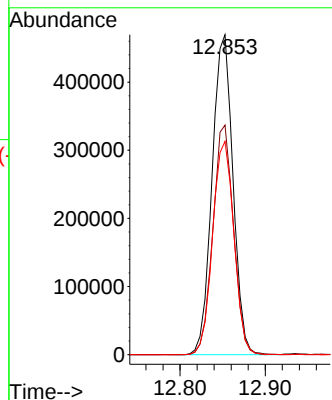
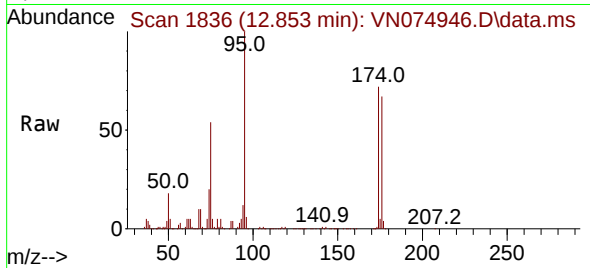




#62
4-Bromofluorobenzene
Concen: 32.774 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN074946.D
Acq: 20 Oct 2022 16:52

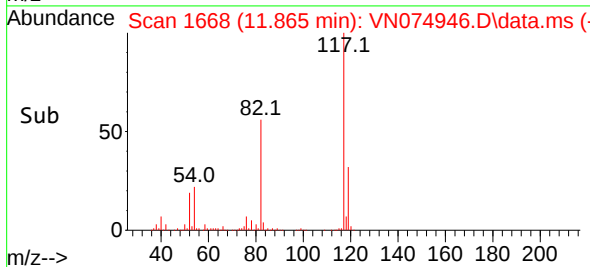
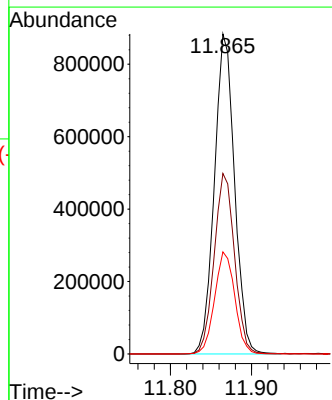
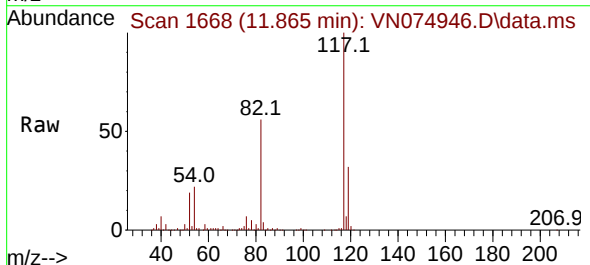
Instrument :
MSVOA_N
ClientSampleId :
IBLK

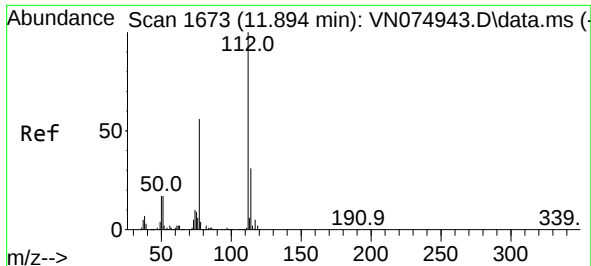
Tgt Ion: 95 Resp: 797844
Ion Ratio Lower Upper
95 100
174 71.1 0.0 143.0
176 68.1 0.0 138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.000 min
Lab File: VN074946.D
Acq: 20 Oct 2022 16:52

Tgt Ion: 117 Resp: 1527031
Ion Ratio Lower Upper
117 100
82 56.4 45.6 68.4
119 31.9 25.1 37.7

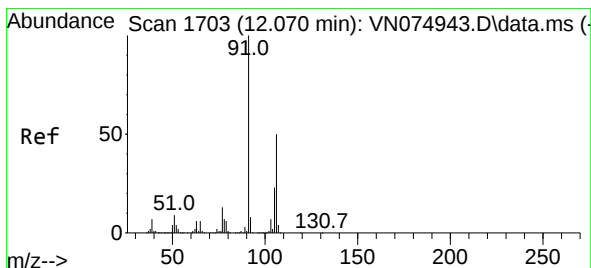
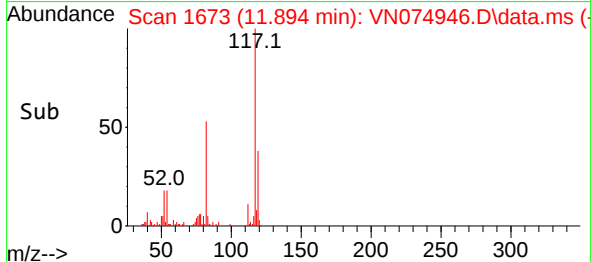
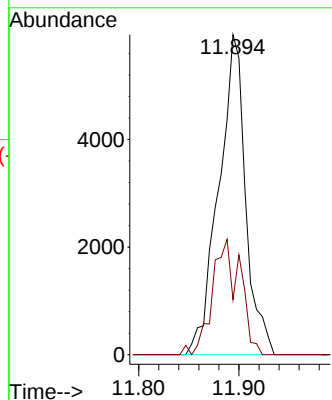
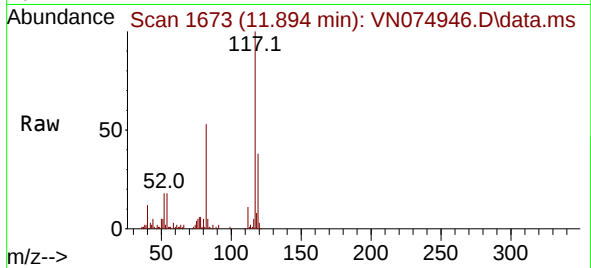




#65
Chlorobenzene
Concen: 0.240 ug/l
RT: 11.894 min Scan# 11088
Delta R.T. 0.000 min
Lab File: VN074946.D
Acq: 20 Oct 2022 16:52

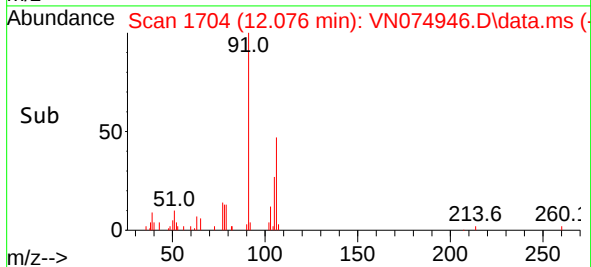
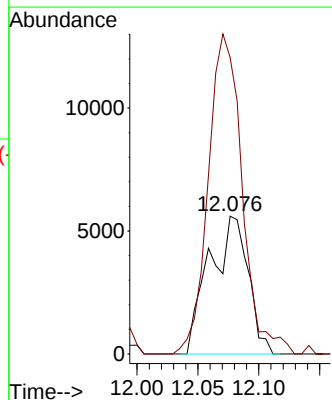
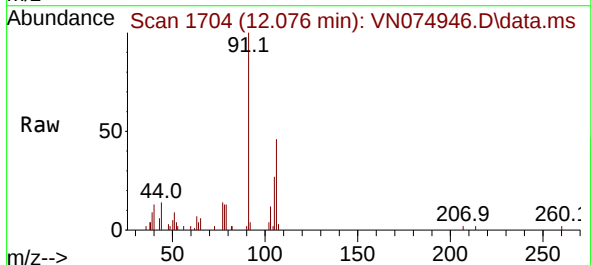
Instrument :
MSVOA_N
ClientSampleId :
IBLK

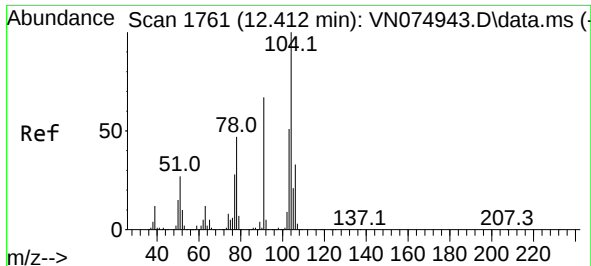
Tgt Ion:112 Resp: 11088
Ion Ratio Lower Upper
112 100
114 17.2 25.0 37.6#



#68
m/p-Xylenes
Concen: 0.387 ug/l
RT: 12.076 min Scan# 1704
Delta R.T. 0.006 min
Lab File: VN074946.D
Acq: 20 Oct 2022 16:52

Tgt Ion:106 Resp: 12376
Ion Ratio Lower Upper
106 100
91 203.4 159.7 239.5

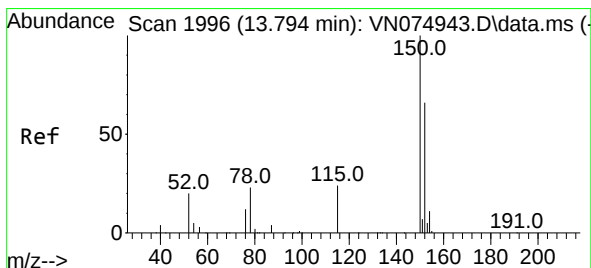
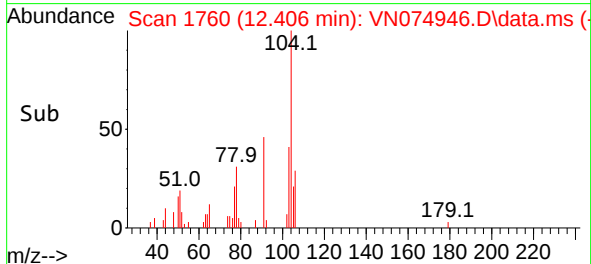
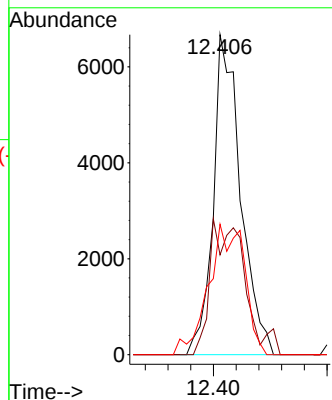
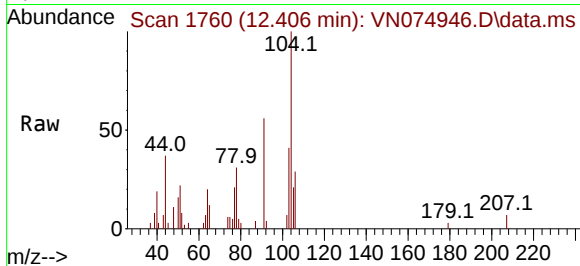




#70
Styrene
Concen: 0.220 ug/l
RT: 12.406 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN074946.D
Acq: 20 Oct 2022 16:52

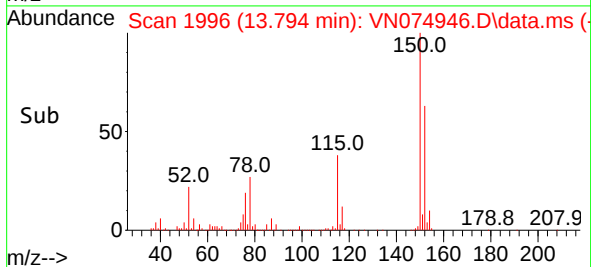
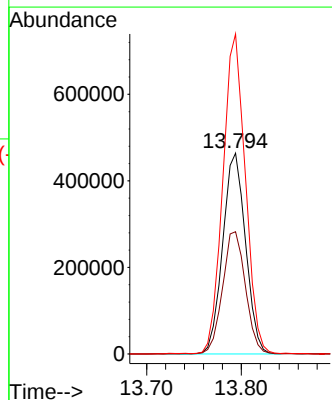
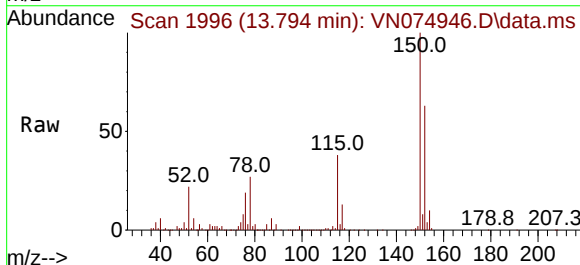
Instrument :
MSVOA_N
ClientSampleId :
IBLK

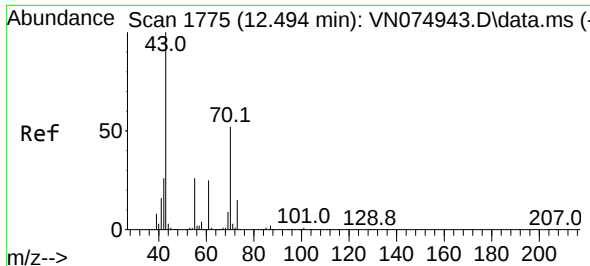
Tgt Ion:104 Resp: 11174
Ion Ratio Lower Upper
104 100
78 52.8 39.4 59.2
103 53.4 43.0 64.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN074946.D
Acq: 20 Oct 2022 16:52

Tgt Ion:152 Resp: 777488
Ion Ratio Lower Upper
152 100
115 61.2 31.3 93.8
150 157.0 0.0 349.6

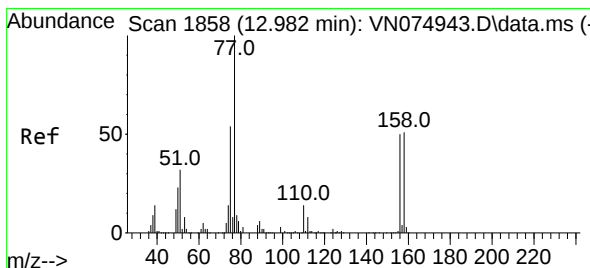
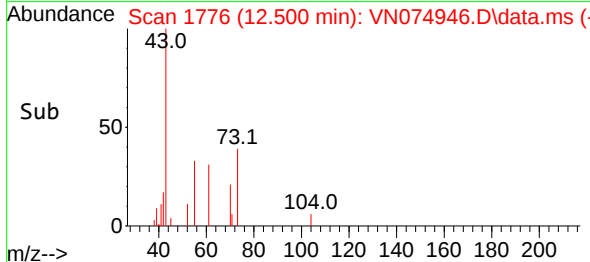
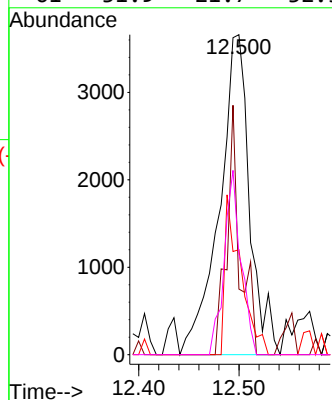
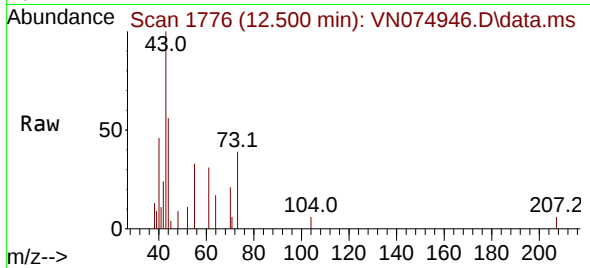




#74
N-amy1 acetate
Concen: 0.300 ug/l
RT: 12.500 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VN074946.D
Acq: 20 Oct 2022 16:52

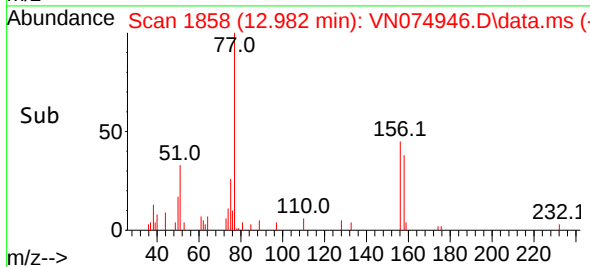
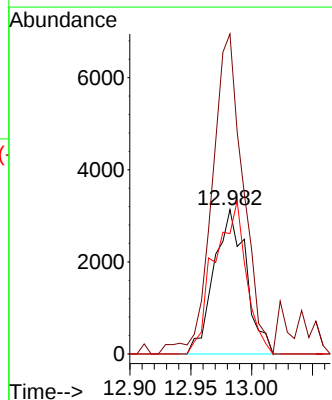
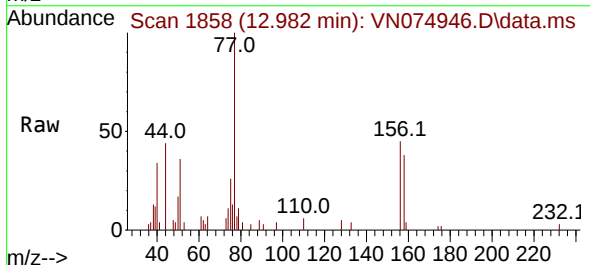
Instrument :
MSVOA_N
ClientSampleId :
IBLK

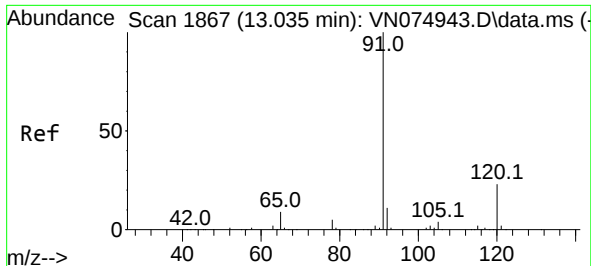
Tgt Ion: 43	Resp: 7666
Ion Ratio	Lower Upper
43	100
70	33.7 40.2 60.2#
55	26.5 20.6 31.0
61	31.9 21.7 32.5



#77
Bromobenzene
Concen: 0.395 ug/l
RT: 12.982 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VN074946.D
Acq: 20 Oct 2022 16:52

Tgt Ion: 156	Resp: 5756
Ion Ratio	Lower Upper
156	100
77	214.1 117.1 351.3
158	105.1 48.3 144.9

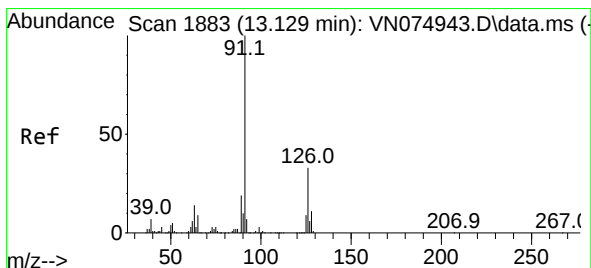
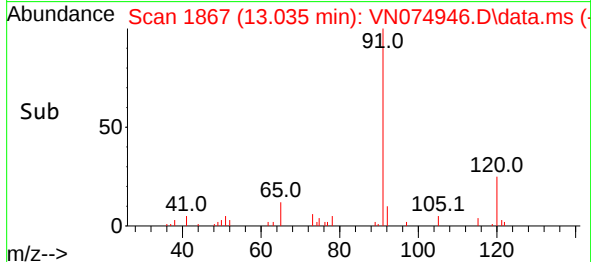
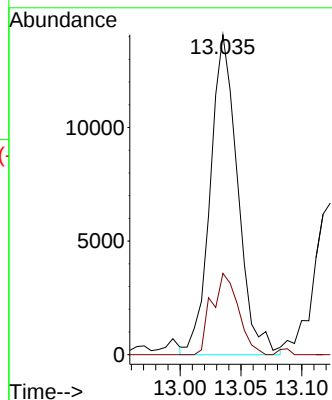
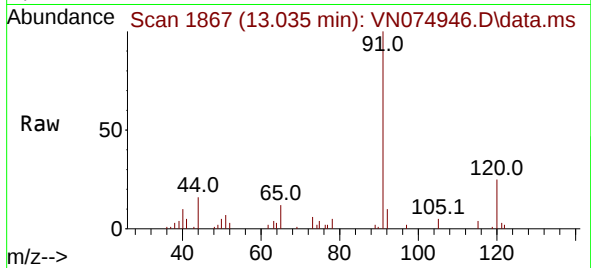




#78
n-propylbenzene
Concen: 0.298 ug/l
RT: 13.035 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VN074946.D
Acq: 20 Oct 2022 16:52

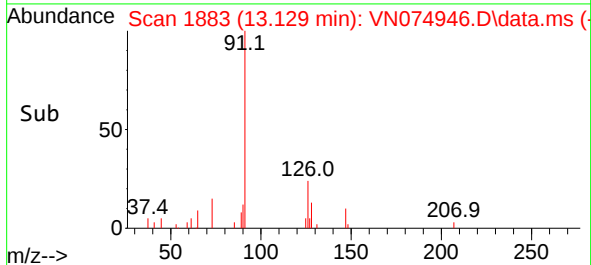
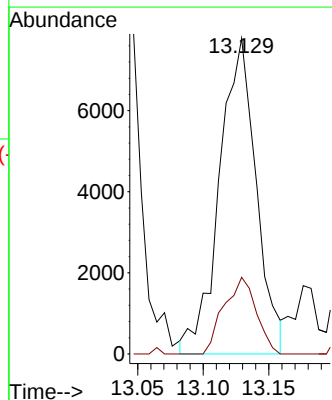
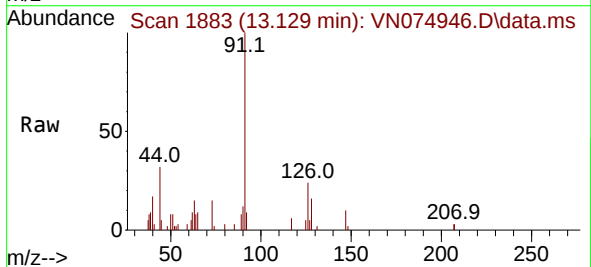
Instrument :
MSVOA_N
ClientSampleId :
IBLK

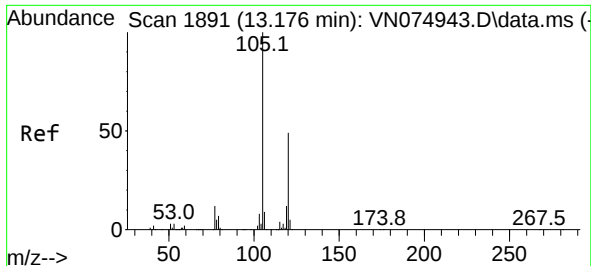
Tgt Ion: 91 Resp: 22118
Ion Ratio Lower Upper
91 100
120 24.7 11.5 34.4



#79
2-Chlorotoluene
Concen: 0.330 ug/l
RT: 13.129 min Scan# 1883
Delta R.T. -0.000 min
Lab File: VN074946.D
Acq: 20 Oct 2022 16:52

Tgt Ion: 91 Resp: 15181
Ion Ratio Lower Upper
91 100
126 21.3 17.0 51.0

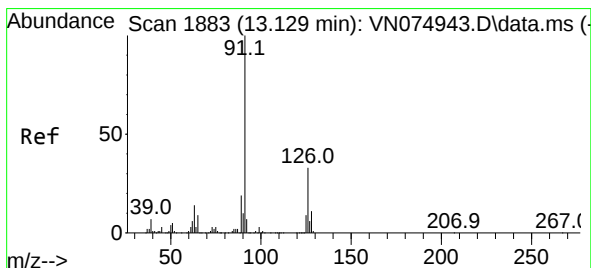
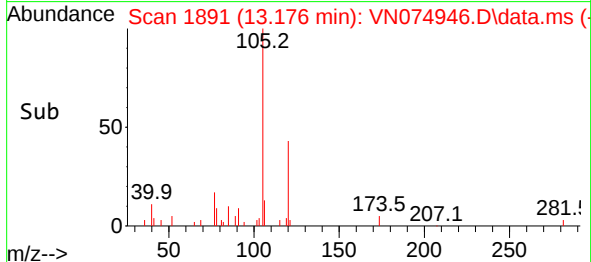
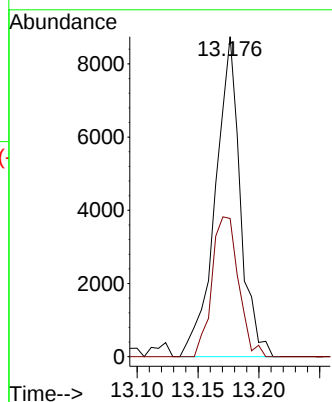
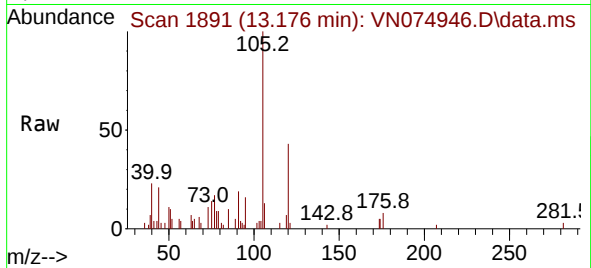




#80
 1,3,5-Trimethylbenzene
 Concen: 0.228 ug/l
 RT: 13.176 min Scan# 1891
 Delta R.T. -0.000 min
 Lab File: VN074946.D
 Acq: 20 Oct 2022 16:52

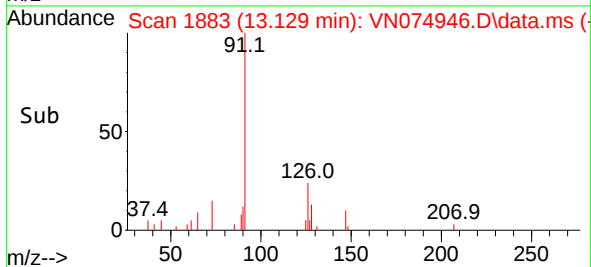
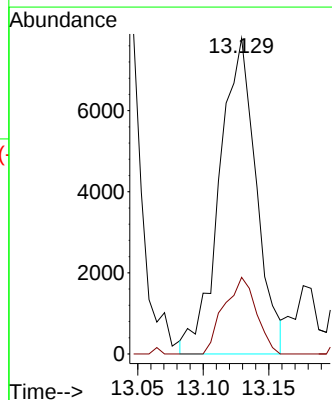
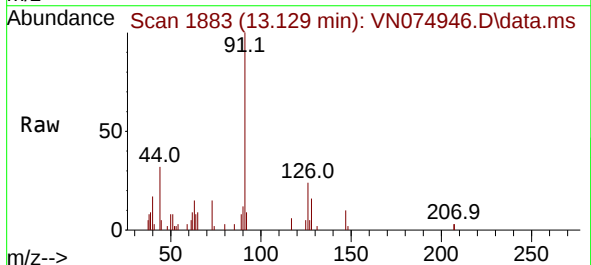
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

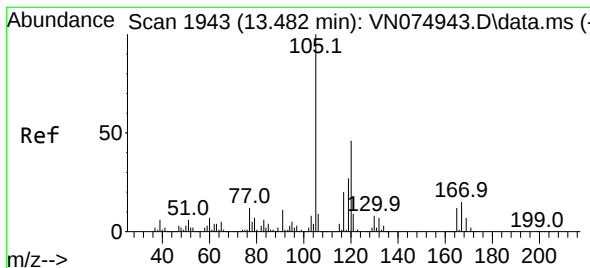
Tgt Ion:105 Resp: 12490
 Ion Ratio Lower Upper
 105 100
 120 46.4 24.3 72.9



#82
 4-Chlorotoluene
 Concen: 0.330 ug/l
 RT: 13.129 min Scan# 1883
 Delta R.T. -0.000 min
 Lab File: VN074946.D
 Acq: 20 Oct 2022 16:52

Tgt Ion: 91 Resp: 15181
 Ion Ratio Lower Upper
 91 100
 126 21.3 17.0 51.0





#84

1,2,4-Trimethylbenzene

Concen: 0.318 ug/l

RT: 13.482 min Scan# 1943

Delta R.T. -0.000 min

Lab File: VN074946.D

Acq: 20 Oct 2022 16:52

Instrument :

MSVOA_N

ClientSampleId :

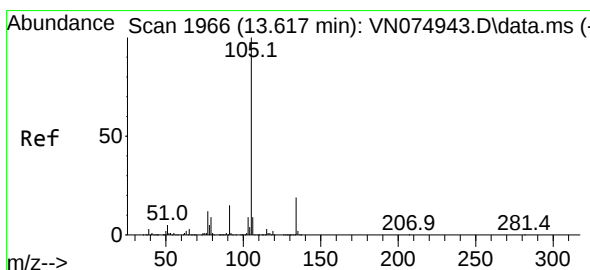
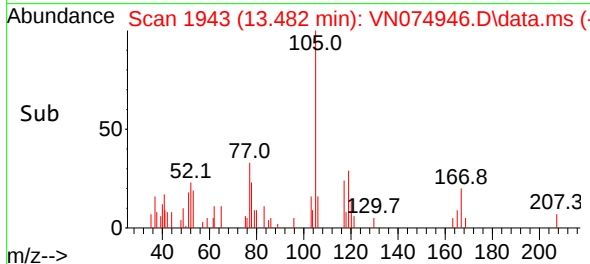
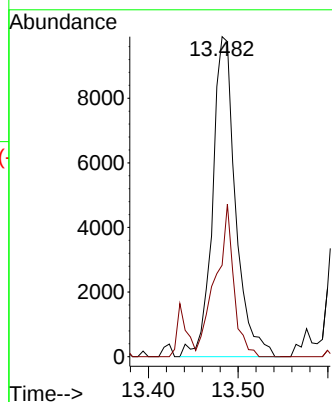
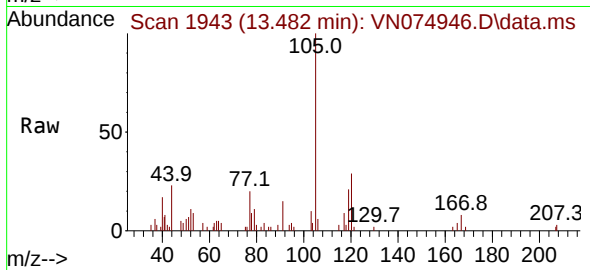
IBLK

Tgt Ion:105 Resp: 17636

Ion Ratio Lower Upper

105 100

120 37.7 22.9 68.5



#85

sec-Butylbenzene

Concen: 0.224 ug/l

RT: 13.623 min Scan# 1967

Delta R.T. 0.006 min

Lab File: VN074946.D

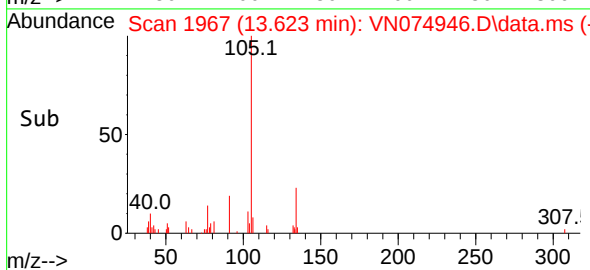
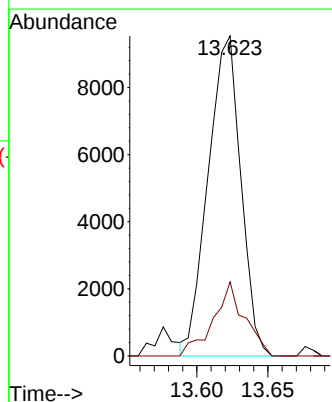
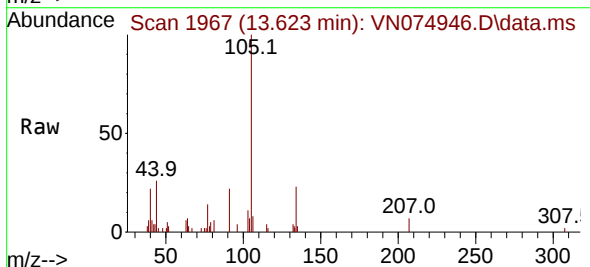
Acq: 20 Oct 2022 16:52

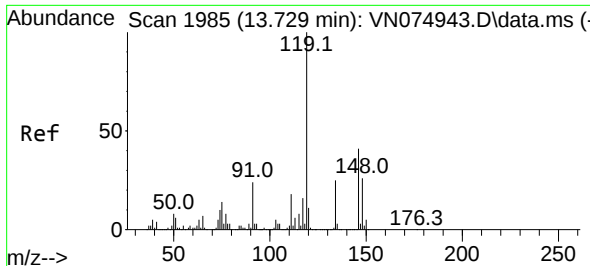
Tgt Ion:105 Resp: 15271

Ion Ratio Lower Upper

105 100

134 22.1 9.7 29.1

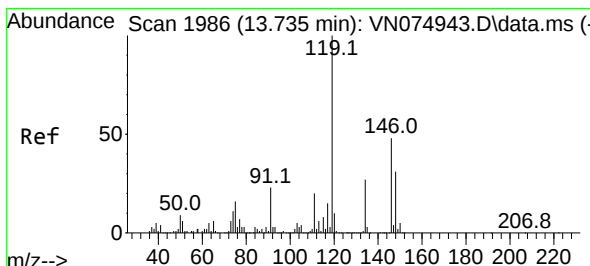
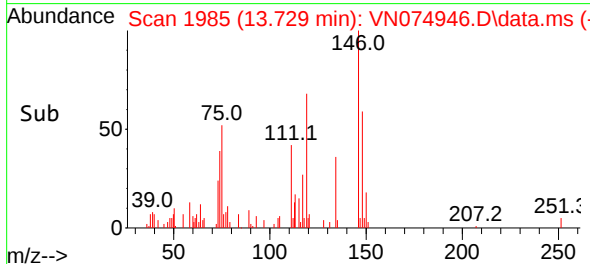
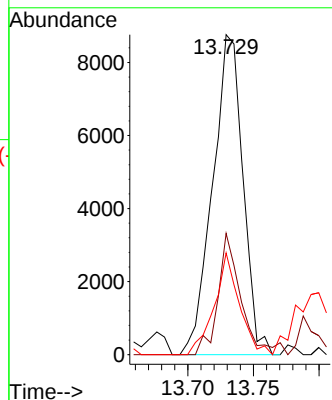
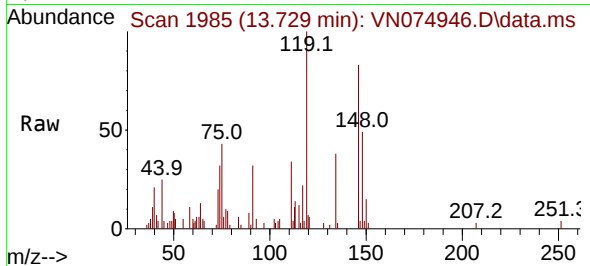




#86
 p-Isopropyltoluene
 Concen: 0.251 ug/l
 RT: 13.729 min Scan# 1985
 Delta R.T. -0.000 min
 Lab File: VN074946.D
 Acq: 20 Oct 2022 16:52

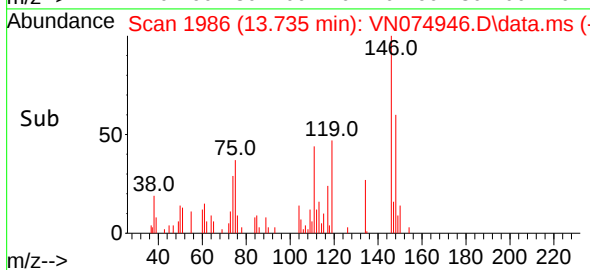
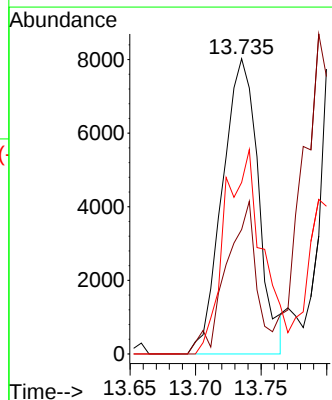
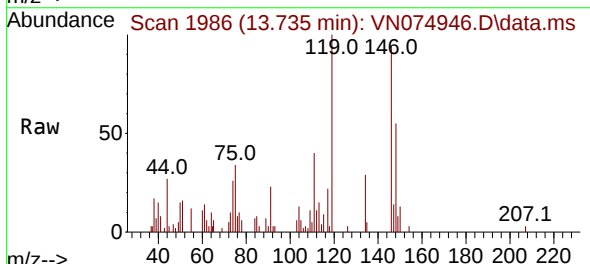
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

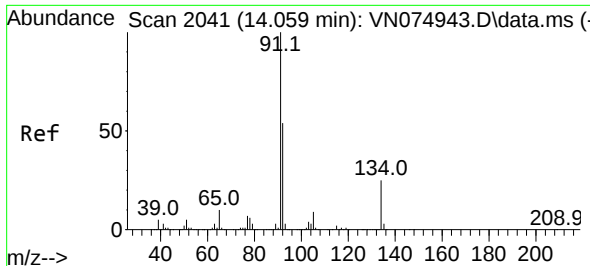
Tgt Ion:	119	Resp:	14082
Ion	Ratio	Lower	Upper
119	100		
134	28.6	12.9	38.7
91	26.3	11.9	35.5



#87
 1,3-Dichlorobenzene
 Concen: 0.551 ug/l
 RT: 13.735 min Scan# 1986
 Delta R.T. -0.000 min
 Lab File: VN074946.D
 Acq: 20 Oct 2022 16:52

Tgt Ion:	146	Resp:	15364
Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.5	64.5
148	73.0	31.7	95.1

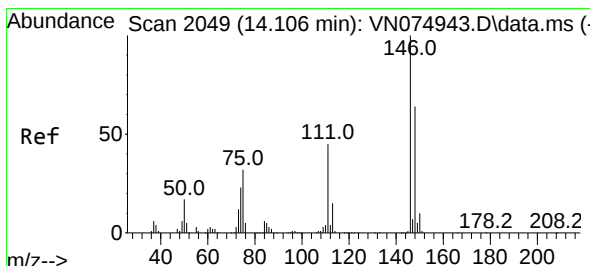
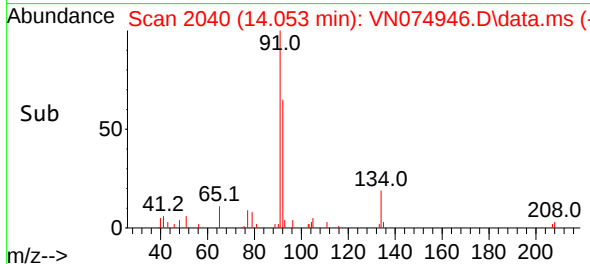
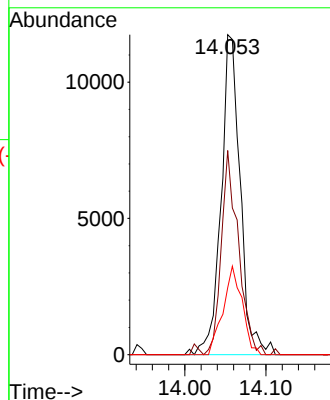
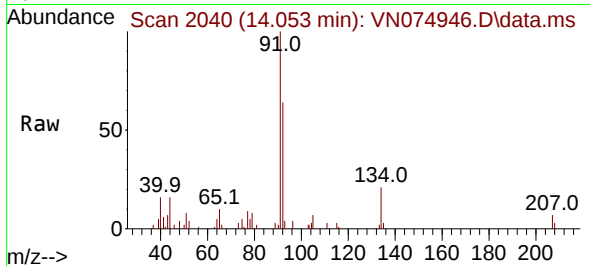




#89
n-Butylbenzene
Concen: 0.403 ug/l
RT: 14.053 min Scan# 2040
Delta R.T. -0.006 min
Lab File: VN074946.D
Acq: 20 Oct 2022 16:52

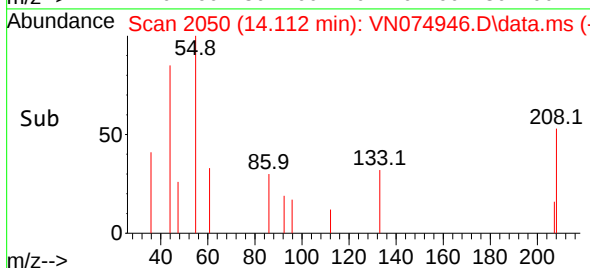
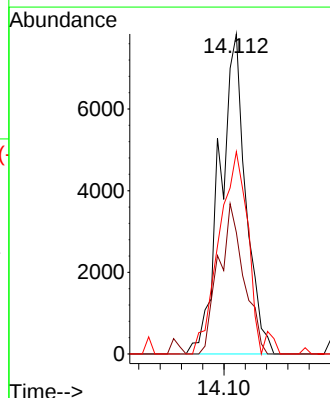
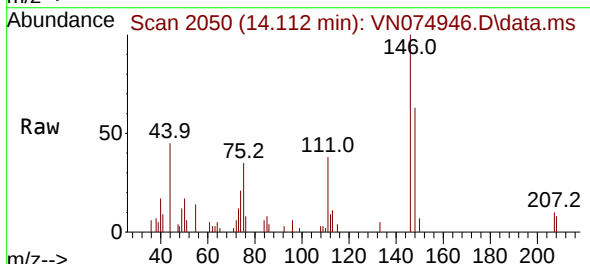
Instrument :
MSVOA_N
ClientSampleId :
IBLK

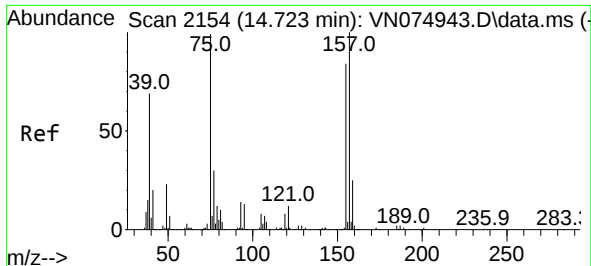
Tgt Ion: 91 Resp: 19317
Ion Ratio Lower Upper
91 100
92 56.9 26.3 78.9
134 27.5 12.6 37.6



#91
1,2-Dichlorobenzene
Concen: 0.463 ug/l
RT: 14.112 min Scan# 2050
Delta R.T. 0.006 min
Lab File: VN074946.D
Acq: 20 Oct 2022 16:52

Tgt Ion: 146 Resp: 13219
Ion Ratio Lower Upper
146 100
111 46.1 22.2 66.6
148 72.1 31.9 95.5

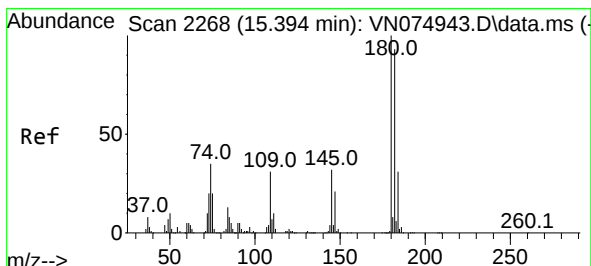
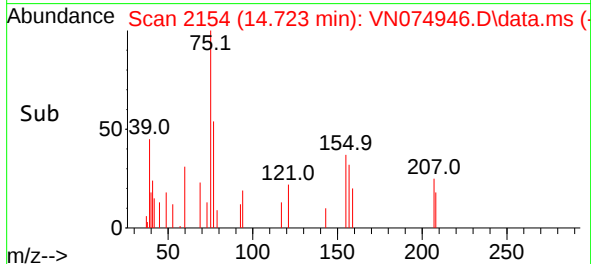
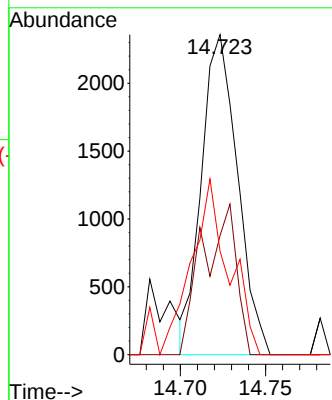
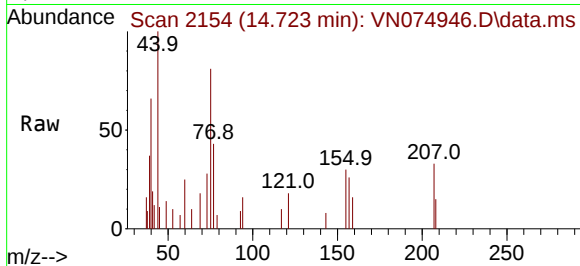




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.704 ug/l
 RT: 14.723 min Scan# 2154
 Delta R.T. -0.000 min
 Lab File: VN074946.D
 Acq: 20 Oct 2022 16:52

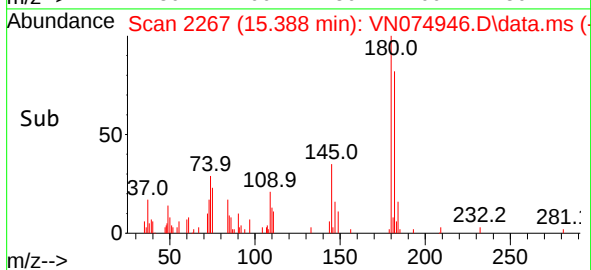
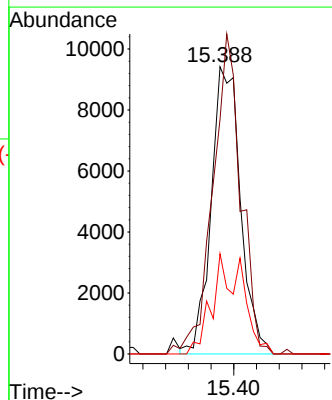
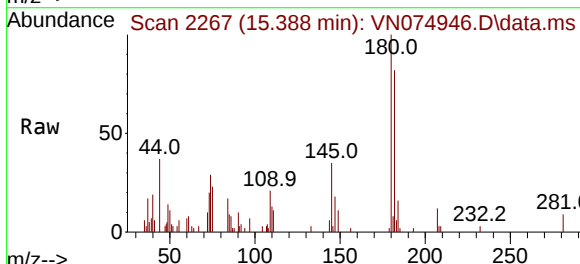
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

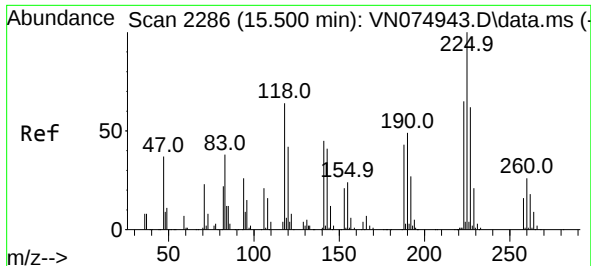
Tgt Ion: 75 Resp: 3467
 Ion Ratio Lower Upper
 75 100
 155 44.1 39.6 118.8
 157 56.7 47.8 143.4



#93
 1,2,4-Trichlorobenzene
 Concen: 1.361 ug/l
 RT: 15.388 min Scan# 2267
 Delta R.T. -0.006 min
 Lab File: VN074946.D
 Acq: 20 Oct 2022 16:52

Tgt Ion: 180 Resp: 16918
 Ion Ratio Lower Upper
 180 100
 182 106.2 46.6 139.7
 145 35.9 16.7 50.0

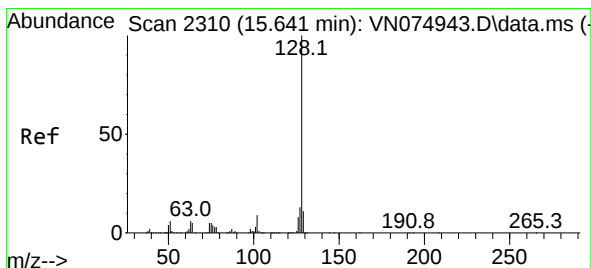
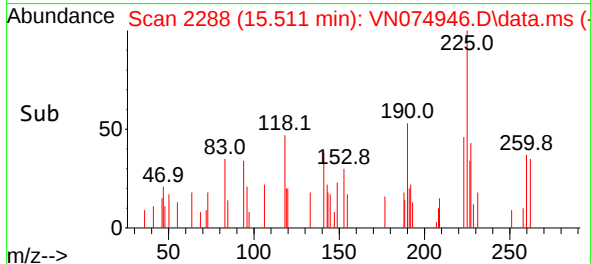
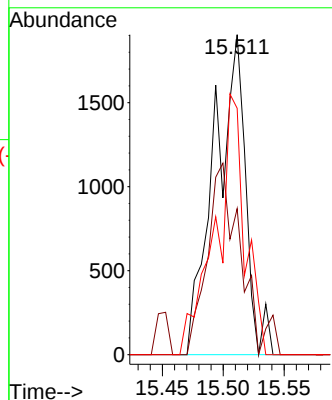
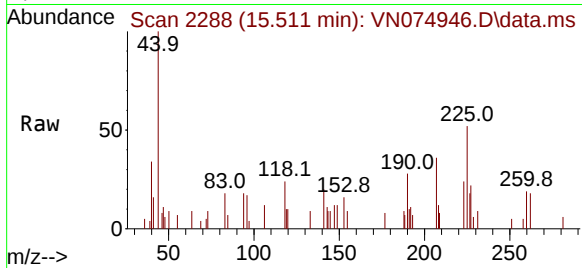




#94
Hexachlorobutadiene
Concen: 0.530 ug/l
RT: 15.511 min Scan# 21
Delta R.T. 0.012 min
Lab File: VN074946.D
Acq: 20 Oct 2022 16:52

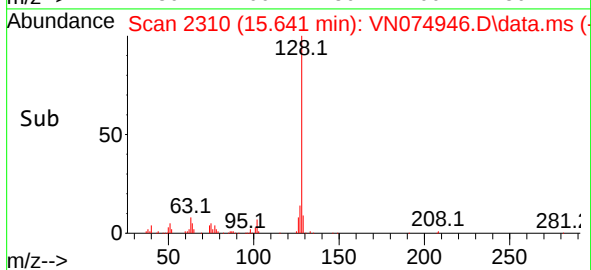
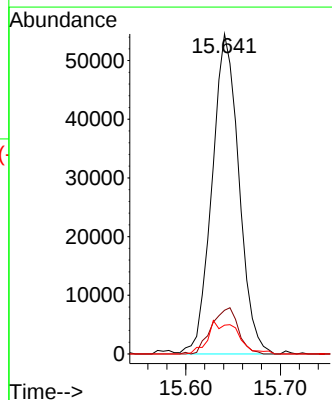
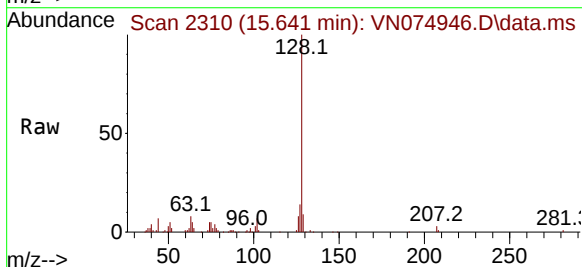
Instrument :
MSVOA_N
ClientSampleId :
IBLK

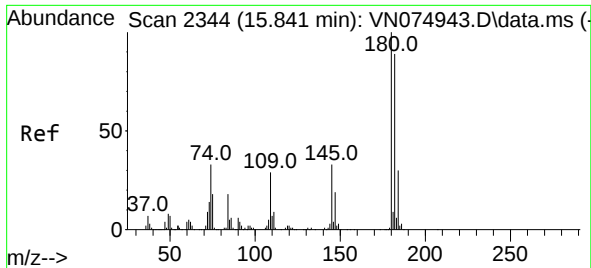
Tgt Ion:225 Resp: 3402
Ion Ratio Lower Upper
225 100
223 61.9 31.9 95.5
227 76.5 31.4 94.0



#95
Naphthalene
Concen: 2.280 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. -0.000 min
Lab File: VN074946.D
Acq: 20 Oct 2022 16:52

Tgt Ion:128 Resp: 107718
Ion Ratio Lower Upper
128 100
127 14.4 10.4 15.6
129 11.4 8.6 12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 1.857 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN074946.D
 Acq: 20 Oct 2022 16:52

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Tgt Ion:180	Resp:	23226
Ion Ratio	Lower	Upper
180	100	
182	92.1	46.7 140.1
145	18.7	17.2 51.5

