

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111224\
 Data File : VN084790.D
 Acq On : 12 Nov 2024 12:49
 Operator : JC\MD
 Sample : VN1112MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112MBL01

Quant Time: Nov 12 23:32:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

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

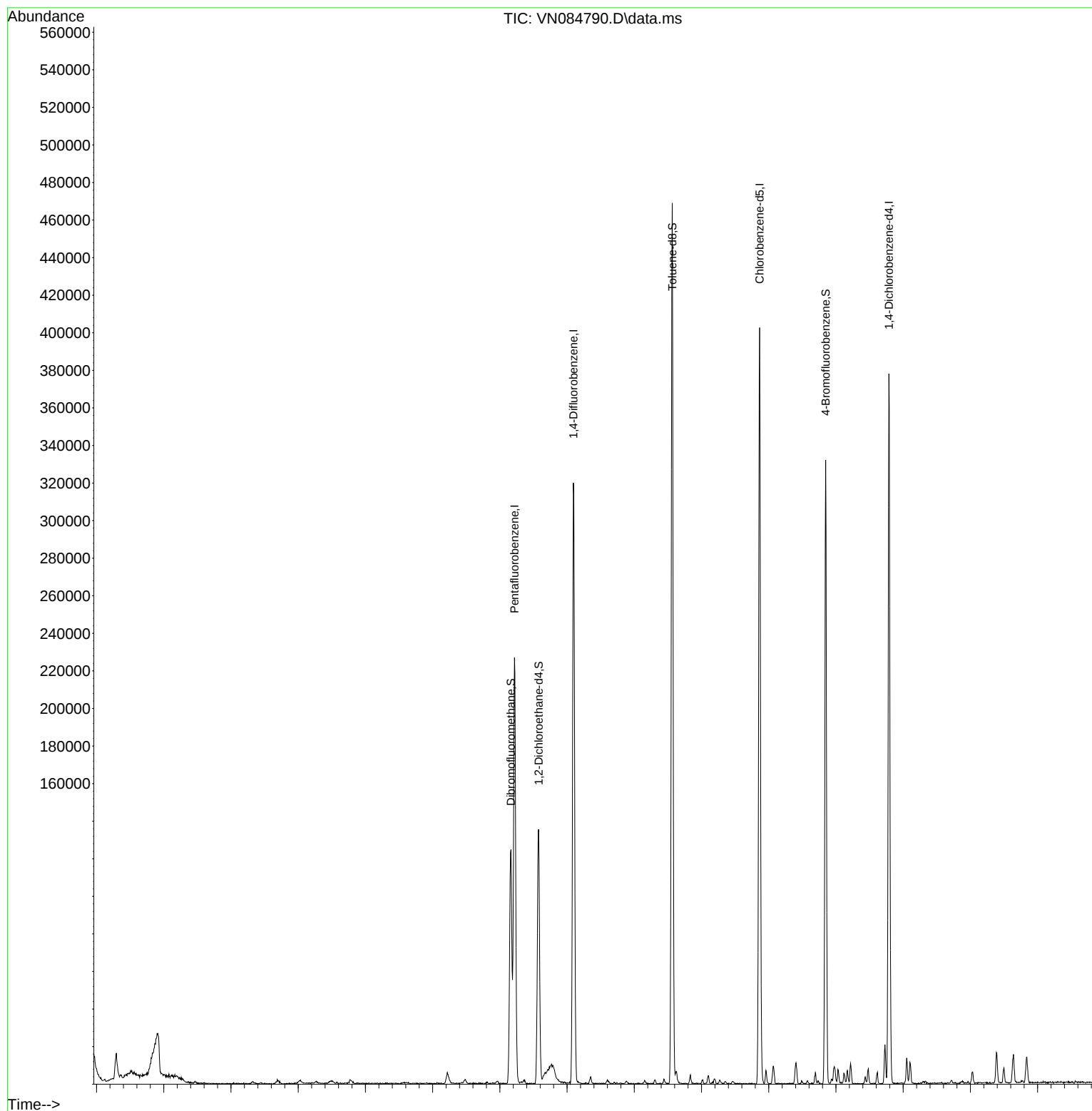
Internal Standards						
1) Pentafluorobenzene	8.218	168	162907	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	282931	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	238655	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	102801	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	113676	48.313	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.620%		
35) Dibromofluoromethane	8.165	113	91524	47.791	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.580%		
50) Toluene-d8	10.565	98	329969	46.773	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.540%		
62) 4-Bromofluorobenzene	12.847	95	117606	44.606	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	89.220%		
Target Compounds						
					Qvalue	
59) 2-Hexanone	11.194	43	1869	1.118	ug/l	94
77) Bromobenzene	12.976	156	2311	1.193	ug/l	74
82) 4-Chlorotoluene	13.217	91	7061	1.216	ug/l	94
87) 1,3-Dichlorobenzene	13.735	146	6431	1.702	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	8297	1.551	ug/l	87
89) n-Butylbenzene	14.053	91	7710	1.440	ug/l	96
91) 1,2-Dichlorobenzene	14.111	146	5241	1.443	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	645	1.324	ug/l	88
93) 1,2,4-Trichlorobenzene	15.394	180	5900	2.968	ug/l	98
94) Hexachlorobutadiene	15.494	225	1653	1.894	ug/l	88
95) Naphthalene	15.641	128	15236	2.561	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	6132	3.178	ug/l	93

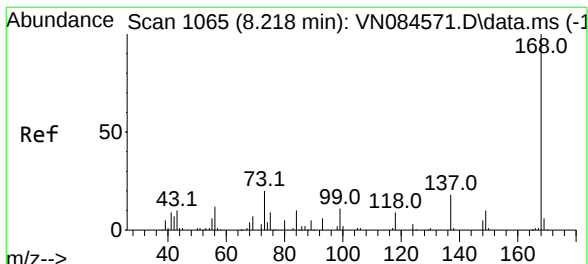
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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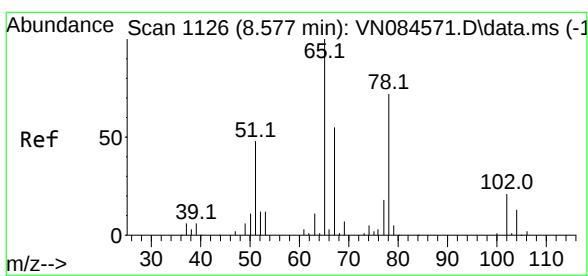
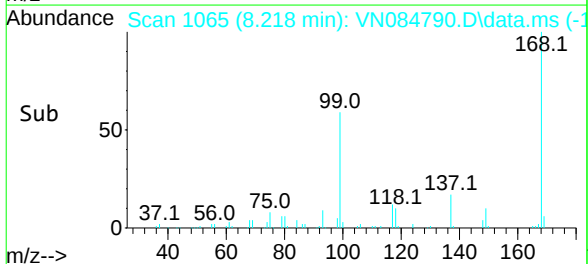
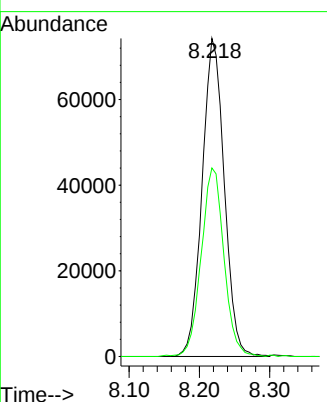
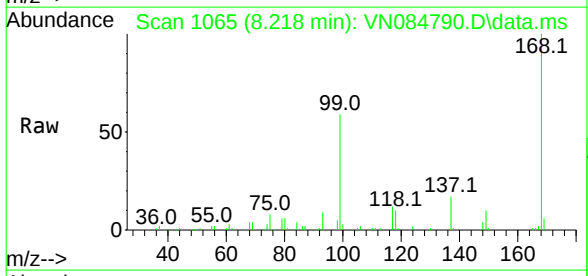




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN084790.D
Acq: 12 Nov 2024 12:49

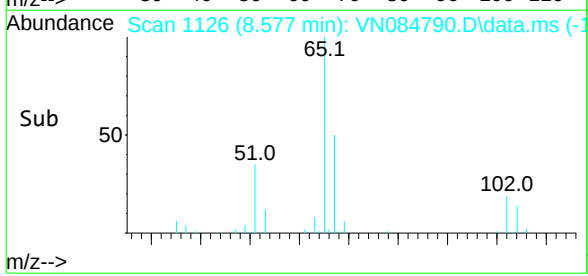
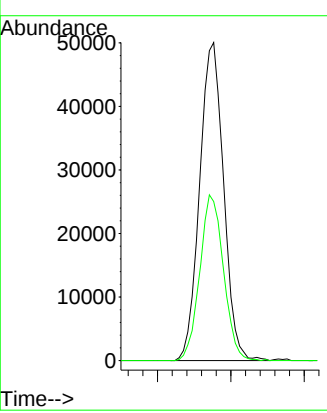
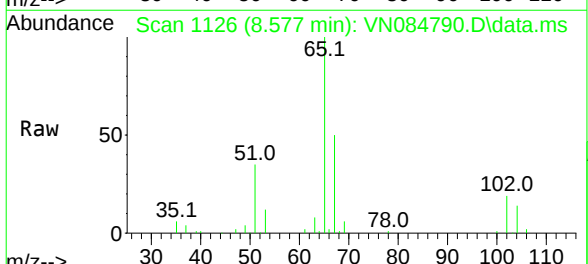
Instrument :
MSVOA_N
ClientSampleId :
VN1112MBL01

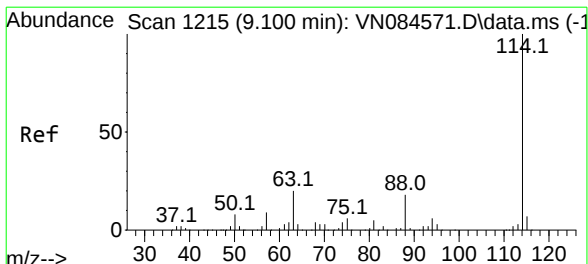
Tgt Ion:168 Resp: 162907
Ion Ratio Lower Upper
168 100
99 59.0 54.2 81.2



#33
1,2-Dichloroethane-d4
Concen: 48.313 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084790.D
Acq: 12 Nov 2024 12:49

Tgt Ion: 65 Resp: 113676
Ion Ratio Lower Upper
65 100
67 51.5 0.0 102.0

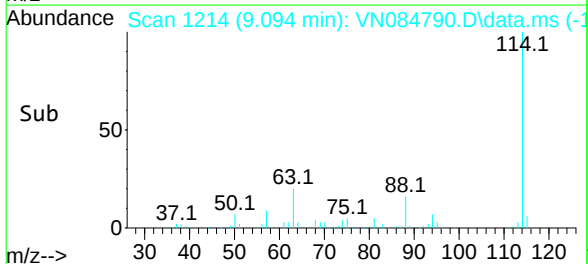
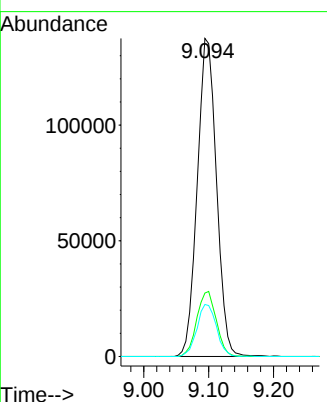
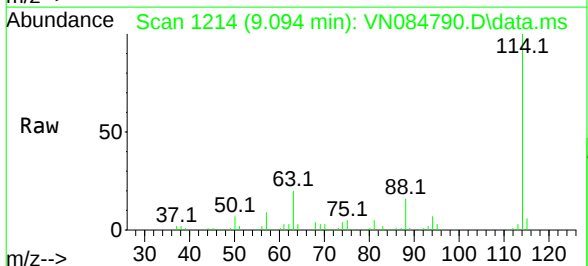




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.094 min Scan# 1215
 Delta R.T. -0.006 min
 Lab File: VN084790.D
 Acq: 12 Nov 2024 12:49

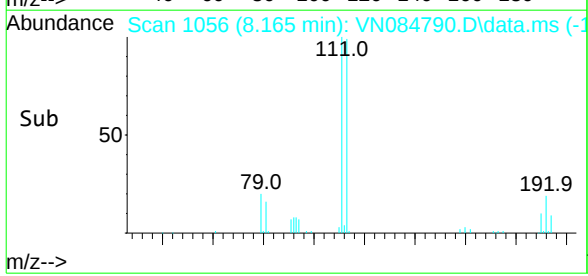
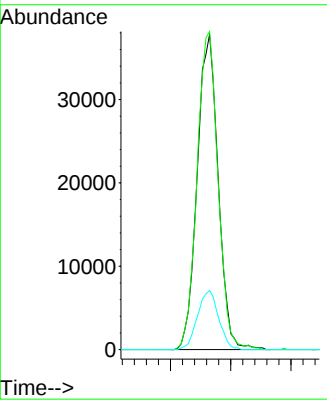
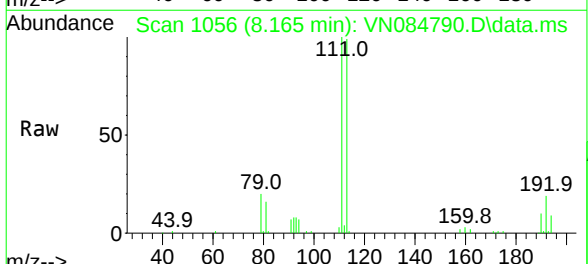
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112MBL01

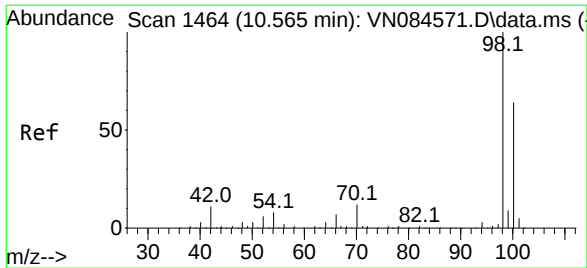
Tgt Ion:	114	Resp:	282931
Ion Ratio	Lower	Upper	
114	100		
63	19.9	0.0	43.8
88	16.4	0.0	31.6



#35
 Dibromofluoromethane
 Concen: 47.791 ug/l
 RT: 8.165 min Scan# 1056
 Delta R.T. -0.000 min
 Lab File: VN084790.D
 Acq: 12 Nov 2024 12:49

Tgt Ion:	113	Resp:	91524
Ion Ratio	Lower	Upper	
113	100		
111	100.8	83.3	124.9
192	18.8	13.5	20.3





#50

Toluene-d8

Concen: 46.773 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084790.D

Acq: 12 Nov 2024 12:49

Instrument :

MSVOA_N

ClientSampleId :

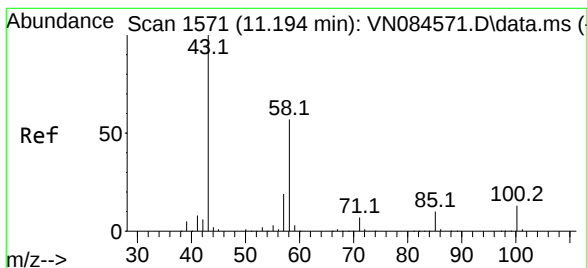
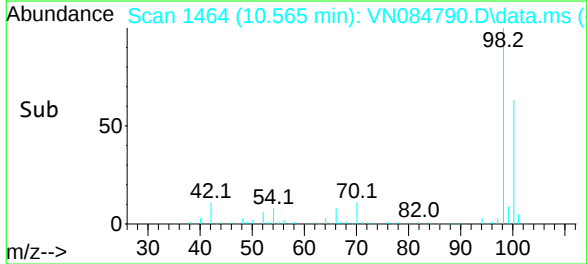
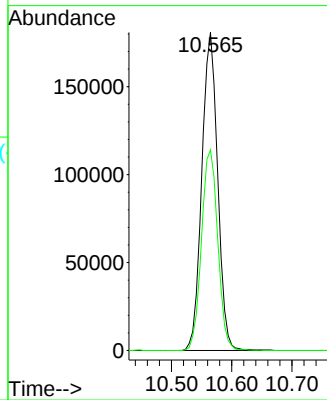
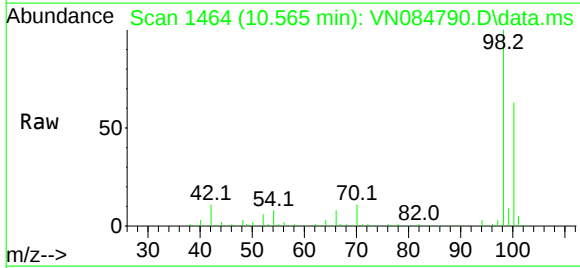
VN1112MBL01

Tgt Ion: 98 Resp: 329969

Ion Ratio Lower Upper

98 100

100 64.8 52.7 79.1



#59

2-Hexanone

Concen: 1.118 ug/l

RT: 11.194 min Scan# 1571

Delta R.T. -0.000 min

Lab File: VN084790.D

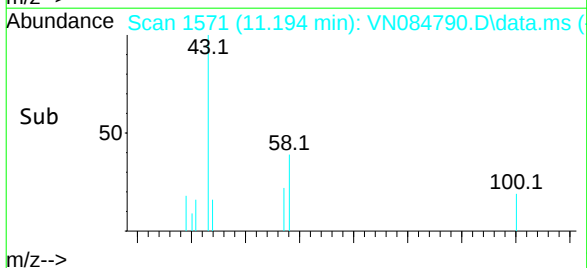
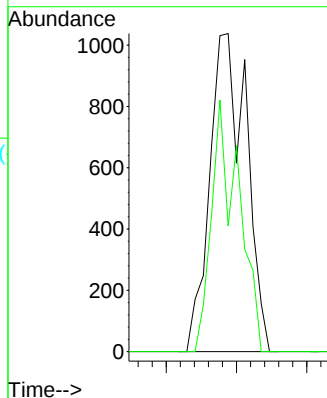
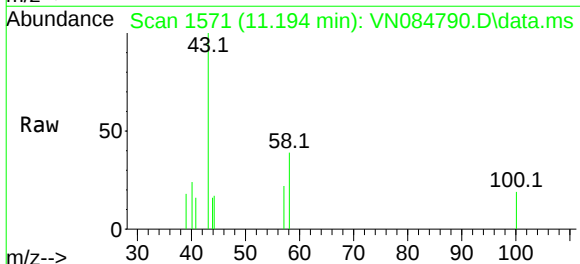
Acq: 12 Nov 2024 12:49

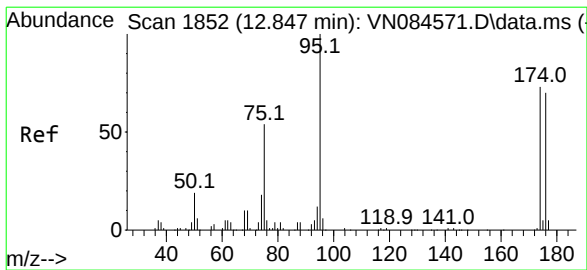
Tgt Ion: 43 Resp: 1869

Ion Ratio Lower Upper

43 100

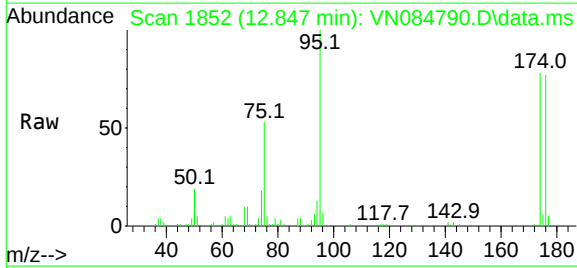
58 58.6 27.3 81.8



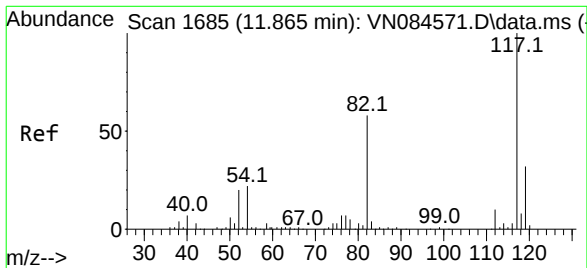
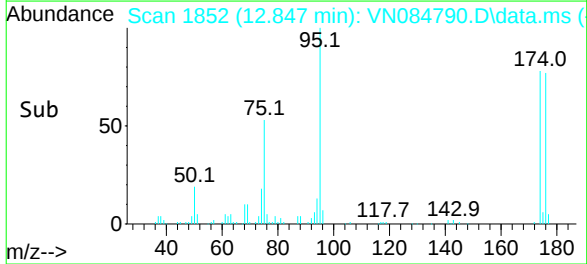
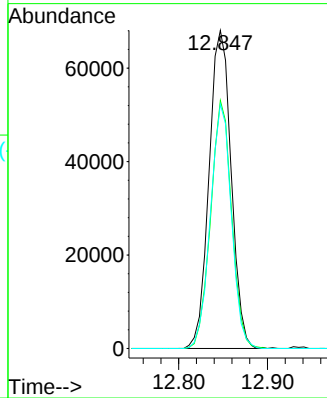


#62
4-Bromofluorobenzene
Concen: 44.606 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084790.D
Acq: 12 Nov 2024 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN1112MBL01

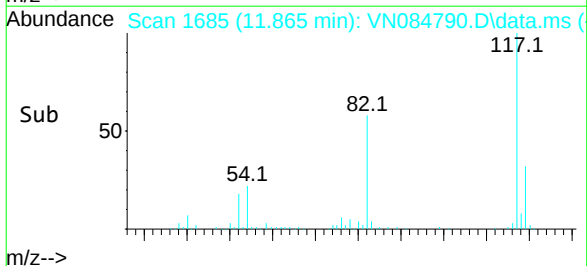
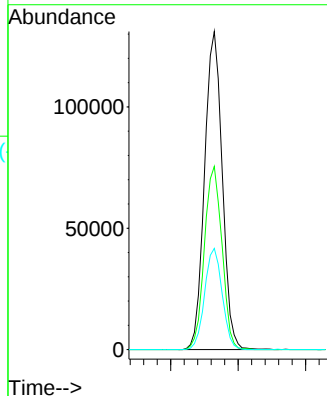
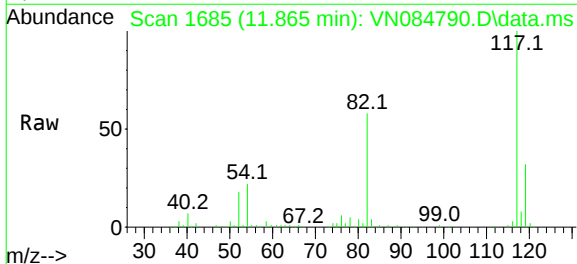


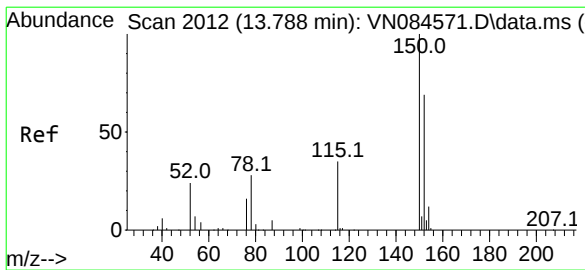
Tgt Ion: 95 Resp: 117606
Ion Ratio Lower Upper
95 100
174 74.0 0.0 145.2
176 72.9 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084790.D
Acq: 12 Nov 2024 12:49

Tgt Ion: 117 Resp: 238655
Ion Ratio Lower Upper
117 100
82 57.6 47.2 70.8
119 31.8 25.4 38.0

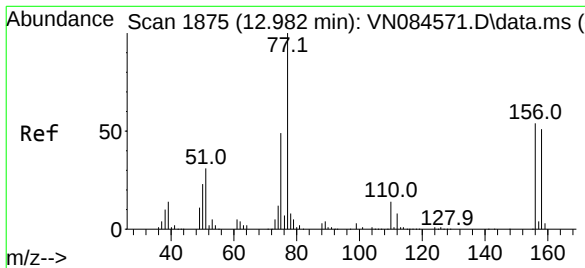
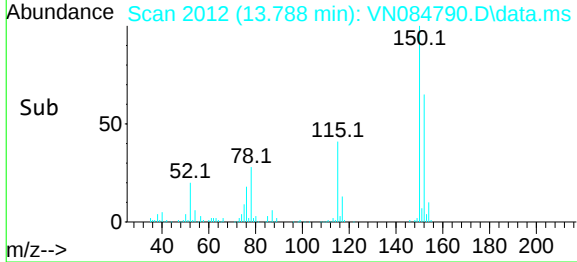
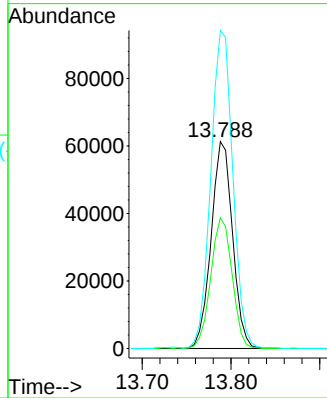
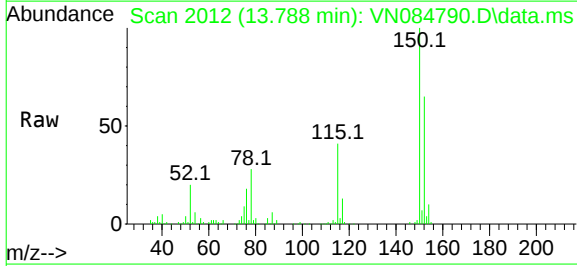




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084790.D
Acq: 12 Nov 2024 12:49

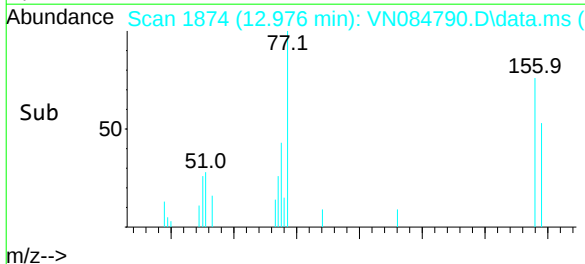
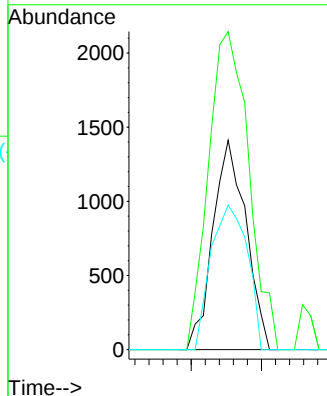
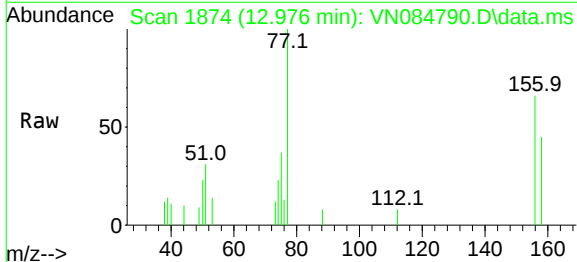
Instrument :
MSVOA_N
ClientSampleId :
VN1112MBL01

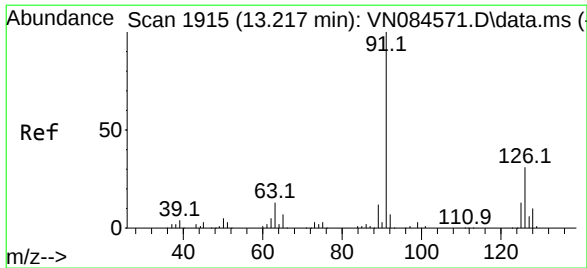
Tgt Ion:152 Resp: 102801
Ion Ratio Lower Upper
152 100
115 63.0 31.3 93.9
150 158.0 0.0 349.8



#77
Bromobenzene
Concen: 1.193 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.006 min
Lab File: VN084790.D
Acq: 12 Nov 2024 12:49

Tgt Ion:156 Resp: 2311
Ion Ratio Lower Upper
156 100
77 185.0 115.1 345.3
158 75.9 48.9 146.8





#82

4-Chlorotoluene

Concen: 1.216 ug/l

RT: 13.217 min Scan# 1915

Delta R.T. -0.000 min

Lab File: VN084790.D

Acq: 12 Nov 2024 12:49

Instrument :

MSVOA_N

ClientSampleId :

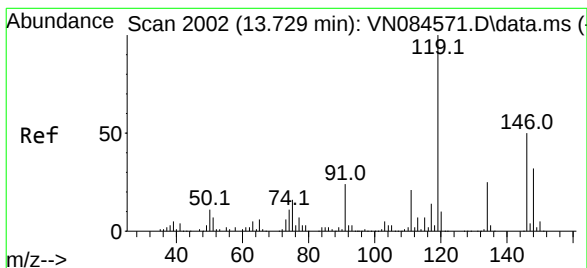
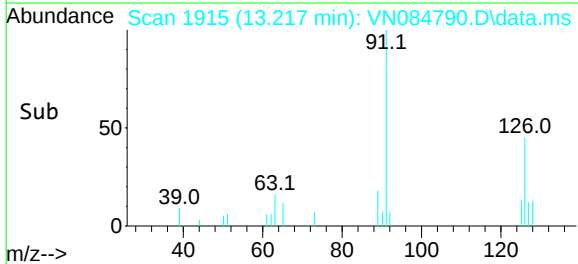
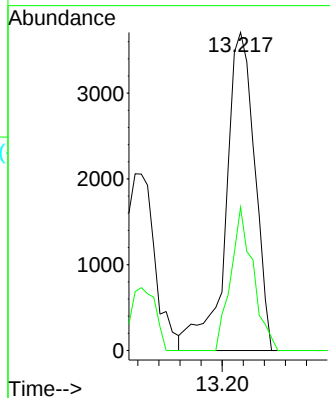
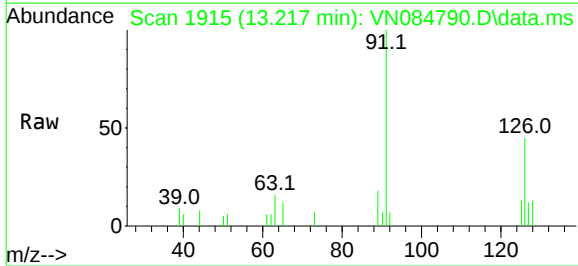
VN1112MBL01

Tgt Ion: 91 Resp: 7061

Ion Ratio Lower Upper

91 100

126 34.8 15.7 47.1



#87

1,3-Dichlorobenzene

Concen: 1.702 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. 0.006 min

Lab File: VN084790.D

Acq: 12 Nov 2024 12:49

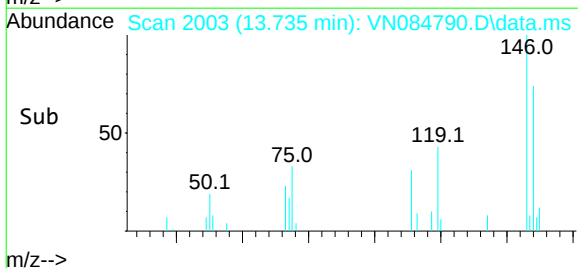
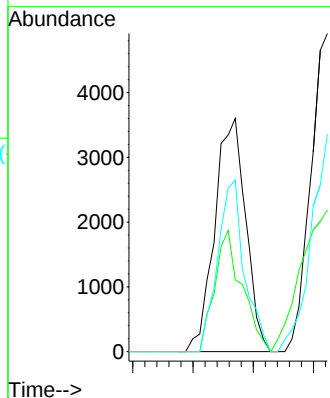
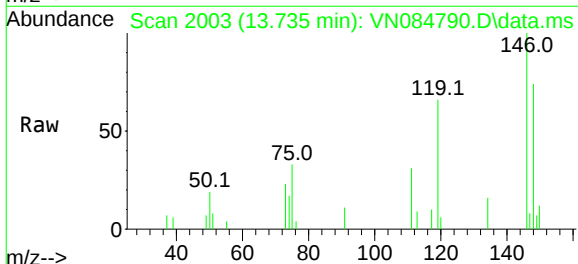
Tgt Ion: 146 Resp: 6431

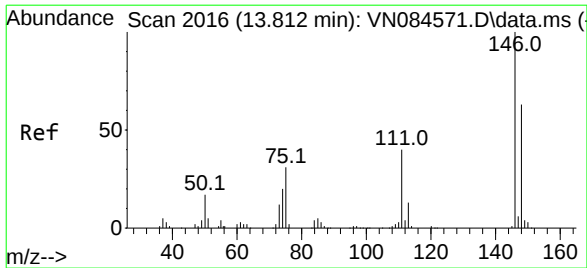
Ion Ratio Lower Upper

146 100

111 45.9 21.8 65.3

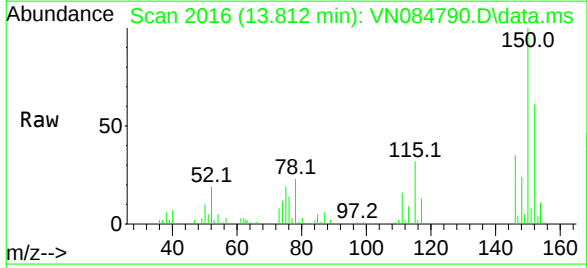
148 63.7 31.9 95.7



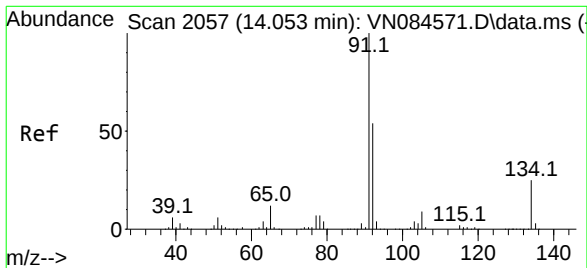
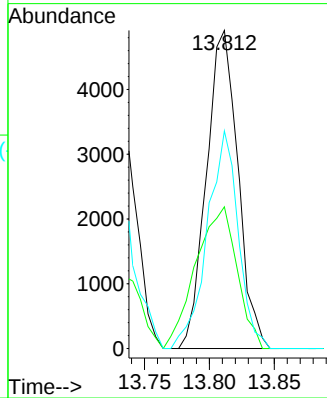
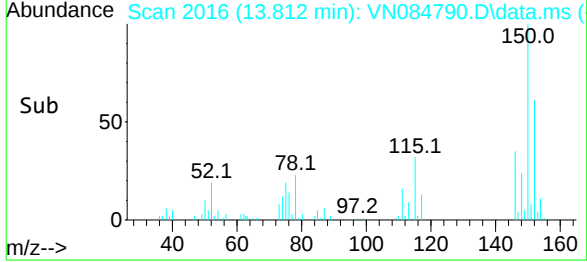


#88
1,4-Dichlorobenzene
Concen: 1.551 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084790.D
Acq: 12 Nov 2024 12:49

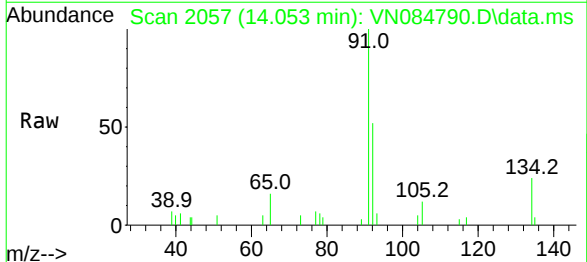
Instrument :
MSVOA_N
ClientSampleId :
VN1112MBL01



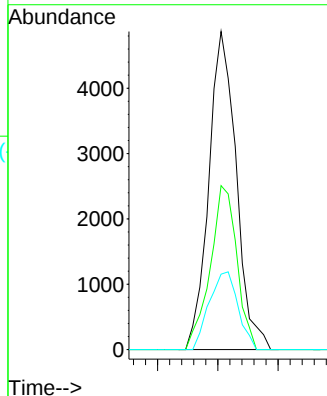
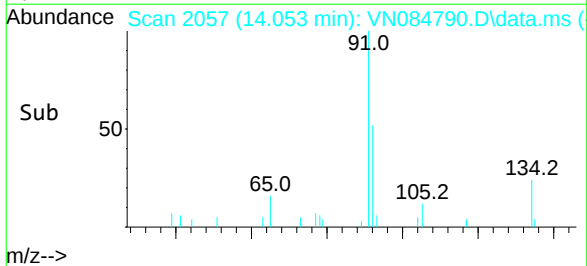
Tgt Ion:146 Resp: 8297
Ion Ratio Lower Upper
146 100
111 58.2 21.2 63.6
148 67.4 31.9 95.9

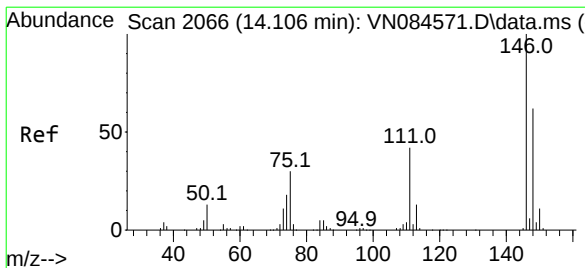


#89
n-Butylbenzene
Concen: 1.440 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN084790.D
Acq: 12 Nov 2024 12:49



Tgt Ion: 91 Resp: 7710
Ion Ratio Lower Upper
91 100
92 50.0 26.6 79.7
134 25.6 12.3 36.9





#91

1,2-Dichlorobenzene

Concen: 1.443 ug/l

RT: 14.111 min Scan# 2066

Delta R.T. 0.006 min

Lab File: VN084790.D

Acq: 12 Nov 2024 12:49

Instrument :

MSVOA_N

ClientSampleId :

VN1112MBL01

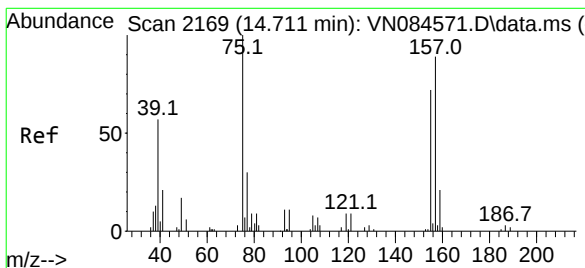
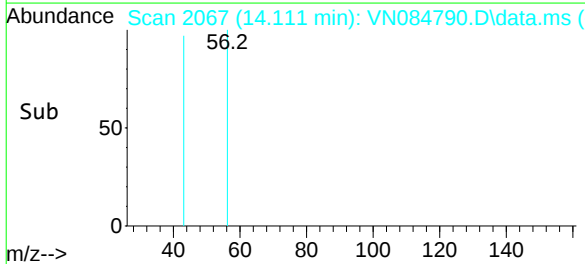
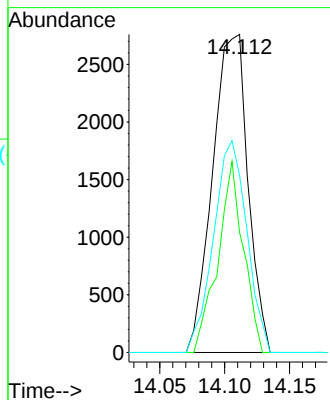
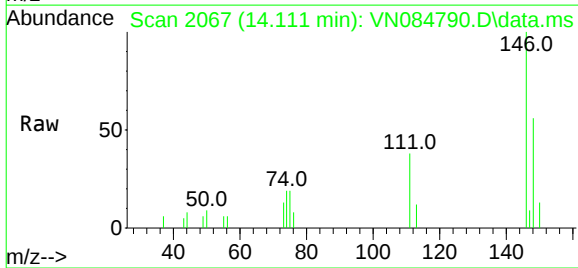
Tgt Ion:146 Resp: 5241

Ion Ratio Lower Upper

146 100

111 43.4 22.0 66.0

148 62.9 32.1 96.3



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.324 ug/l

RT: 14.717 min Scan# 2170

Delta R.T. -0.000 min

Lab File: VN084790.D

Acq: 12 Nov 2024 12:49

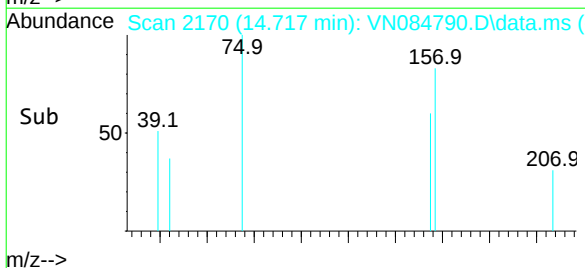
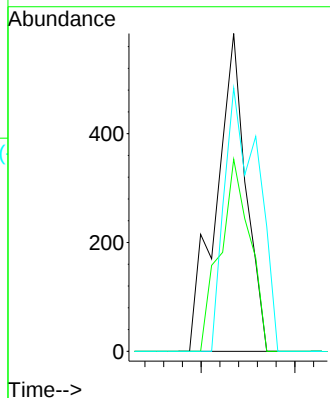
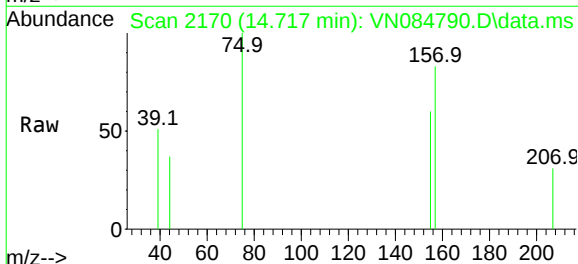
Tgt Ion: 75 Resp: 645

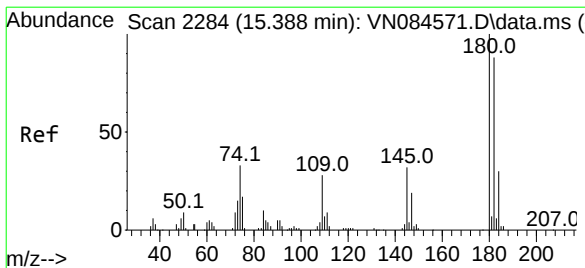
Ion Ratio Lower Upper

75 100

155 60.6 38.1 114.5

157 92.9 49.6 149.0





#93

1,2,4-Trichlorobenzene

Concen: 2.968 ug/l

RT: 15.394 min Scan# 2285

Delta R.T. 0.006 min

Lab File: VN084790.D

Acq: 12 Nov 2024 12:49

Instrument :

MSVOA_N

ClientSampleId :

VN1112MBL01

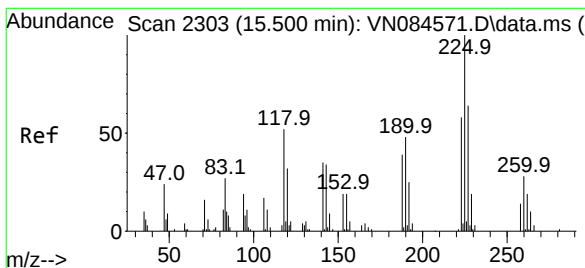
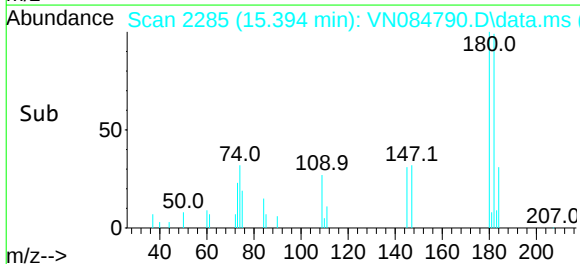
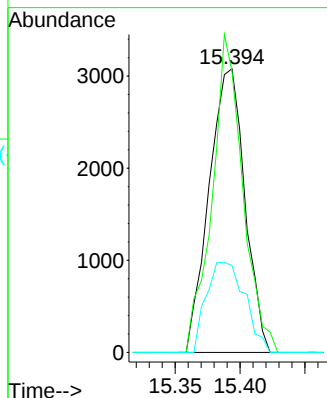
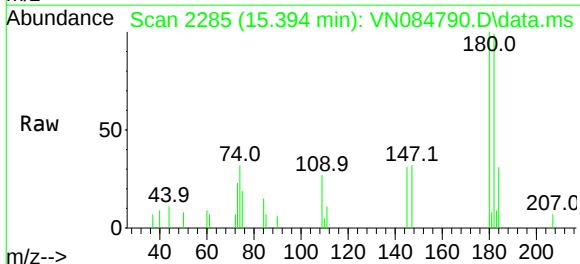
Tgt Ion:180 Resp: 5900

Ion Ratio Lower Upper

180 100

182 96.0 47.0 141.0

145 34.3 16.4 49.4



#94

Hexachlorobutadiene

Concen: 1.894 ug/l

RT: 15.494 min Scan# 2302

Delta R.T. -0.006 min

Lab File: VN084790.D

Acq: 12 Nov 2024 12:49

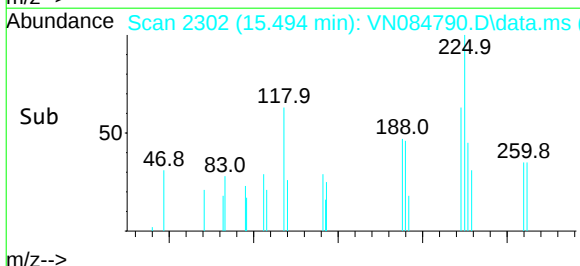
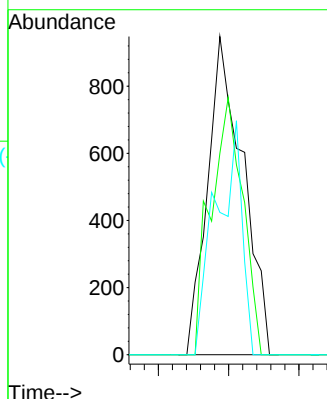
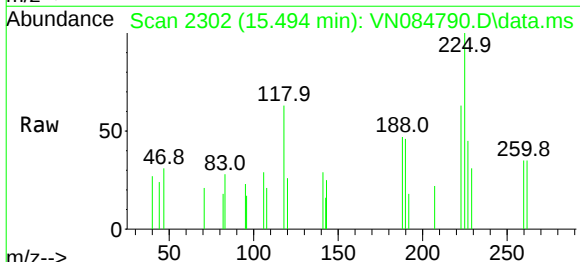
Tgt Ion:225 Resp: 1653

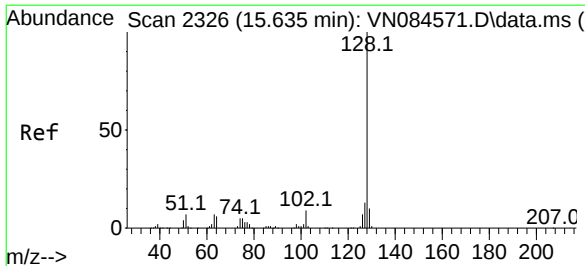
Ion Ratio Lower Upper

225 100

223 73.5 32.4 97.2

227 53.9 32.4 97.0





#95

Naphthalene

Concen: 2.561 ug/l

RT: 15.641 min Scan# 2326

Delta R.T. 0.006 min

Lab File: VN084790.D

Acq: 12 Nov 2024 12:49

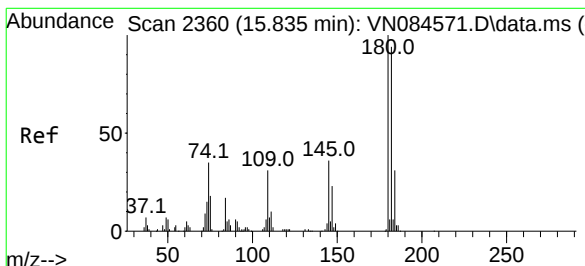
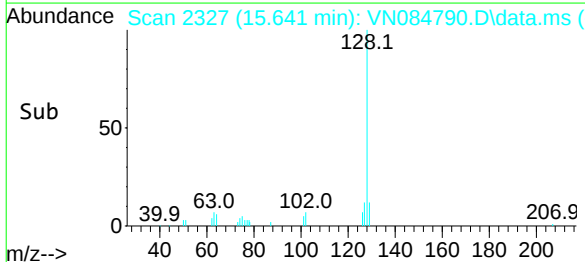
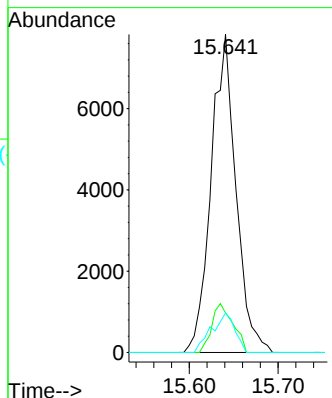
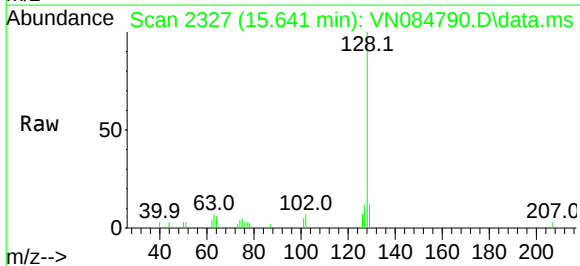
Instrument :

MSVOA_N

ClientSampleId :

VN1112MBL01

Tgt Ion:	128	Resp:	15236
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.5	15.7
129	11.7	8.7	13.1



#96

1,2,3-Trichlorobenzene

Concen: 3.178 ug/l

RT: 15.835 min Scan# 2360

Delta R.T. -0.000 min

Lab File: VN084790.D

Acq: 12 Nov 2024 12:49

Tgt Ion:	180	Resp:	6132
Ion Ratio	Lower	Upper	
180	100		
182	88.3	48.2	144.6
145	32.0	17.3	51.9

