

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100224\
 Data File : VN084258.D
 Acq On : 02 Oct 2024 11:49
 Operator : JC\MD
 Sample : VN1002MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002MBL01

Quant Time: Oct 03 01:56:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 01 07:11:01 2024
 Response via : Initial Calibration

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

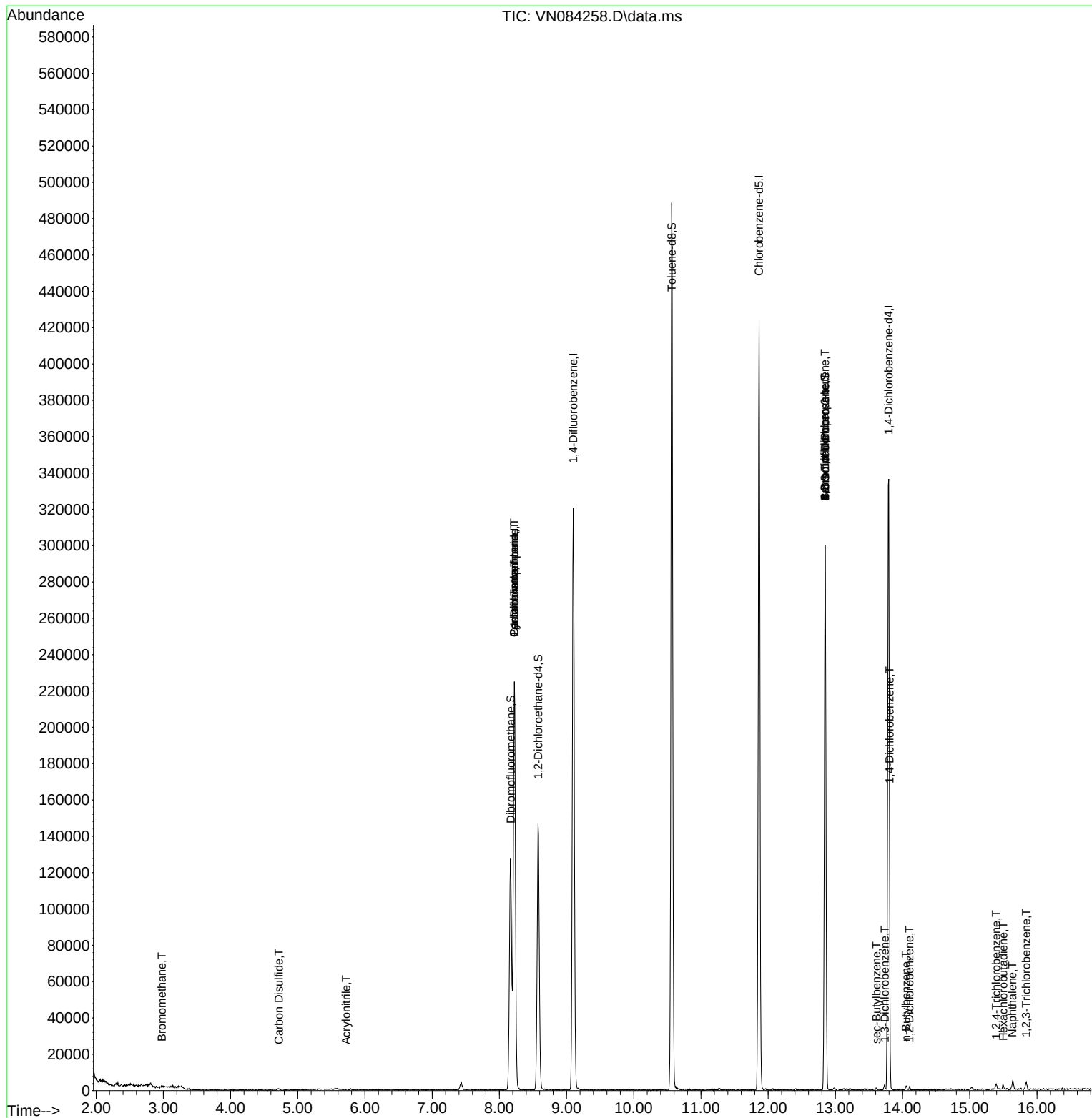
Internal Standards						
1) Pentafluorobenzene	8.224	168	156268	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	271625	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	232144	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	90750	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	118560	51.170	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.340%			
35) Dibromofluoromethane	8.171	113	90862	50.740	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.480%			
50) Toluene-d8	10.565	98	328411	49.848	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.700%			
62) 4-Bromofluorobenzene	12.847	95	101264	42.190	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 84.380%			
Target Compounds						Qvalue
5) Bromomethane	2.977	94	327	0.242	ug/l	83
15) Acrylonitrile	5.718	53	224	0.232	ug/l #	78
17) Carbon Disulfide	4.718	76	1908	0.343	ug/l #	75
31) Cyclohexane	8.224	56	3780	1.101	ug/l #	3
36) 1,1-Dichloropropene	8.224	75	13414	5.157	ug/l #	48
38) Carbon Tetrachloride	8.224	117	17348	6.080	ug/l #	15
71) Bromoform	12.847	173	709	0.543	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	54427	29.377	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	54427	70.431	ug/l #	11
85) sec-Butylbenzene	13.612	105	1370	0.204	ug/l	80
87) 1,3-Dichlorobenzene	13.735	146	873	0.279	ug/l #	79
88) 1,4-Dichlorobenzene	13.806	146	1281	0.405	ug/l #	23
89) n-Butylbenzene	14.053	91	1576	0.314	ug/l	97
91) 1,2-Dichlorobenzene	14.100	146	859	0.280	ug/l	89
93) 1,2,4-Trichlorobenzene	15.394	180	1377	0.910	ug/l	86
94) Hexachlorobutadiene	15.500	225	848	1.124	ug/l	80
95) Naphthalene	15.635	128	5287	1.054	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.841	180	1778	1.174	ug/l	81

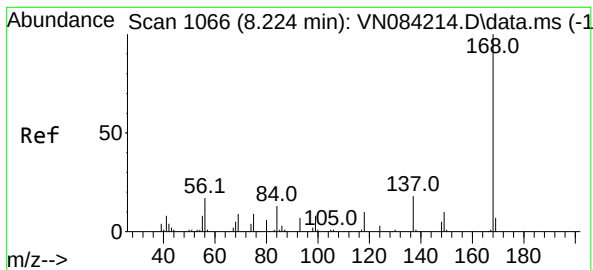
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

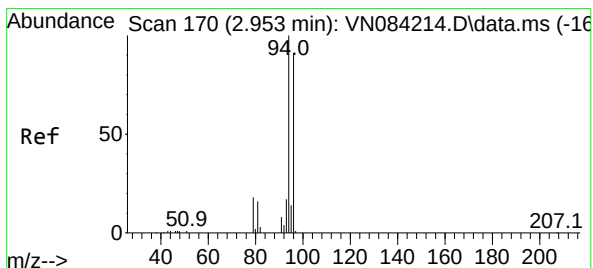
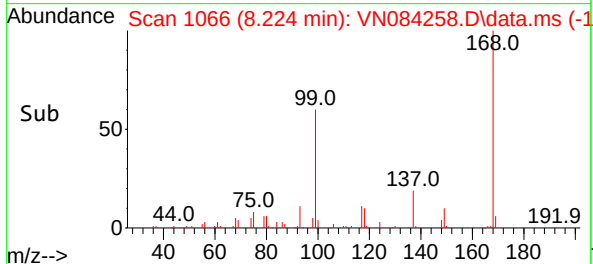
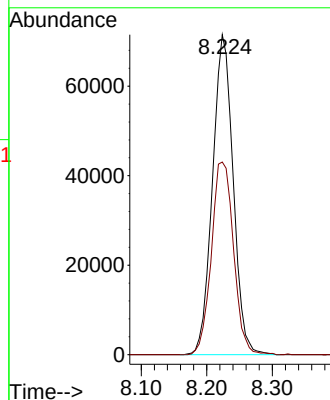
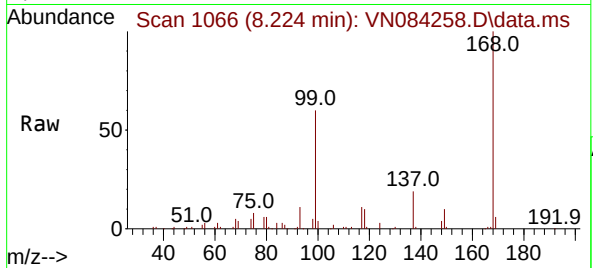




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084258.D
Acq: 02 Oct 2024 11:49

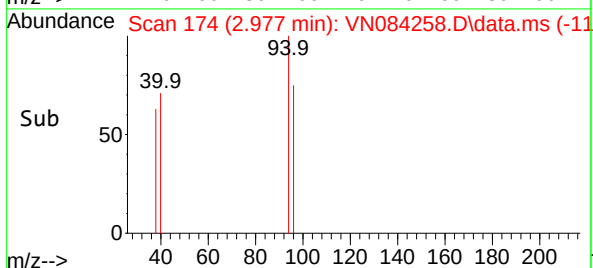
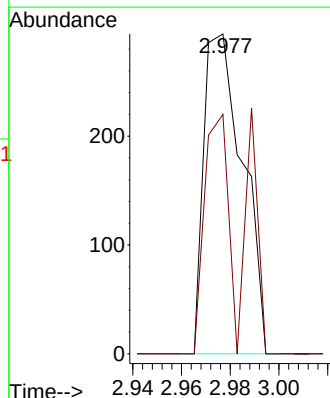
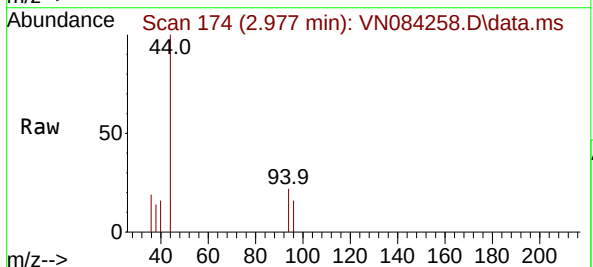
Instrument :
MSVOA_N
ClientSampleId :
VN1002MBL01

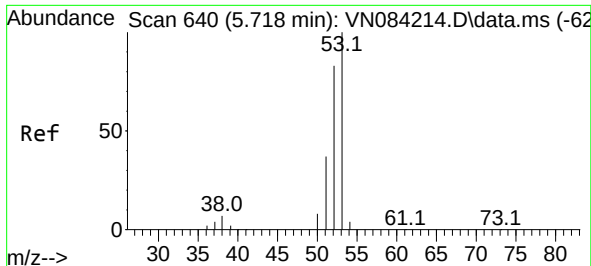
Tgt Ion:168 Resp: 156268
Ion Ratio Lower Upper
168 100
99 60.2 54.2 81.2



#5
Bromomethane
Concen: 0.242 ug/l
RT: 2.977 min Scan# 174
Delta R.T. 0.024 min
Lab File: VN084258.D
Acq: 02 Oct 2024 11:49

Tgt Ion: 94 Resp: 327
Ion Ratio Lower Upper
94 100
96 74.8 72.9 109.3

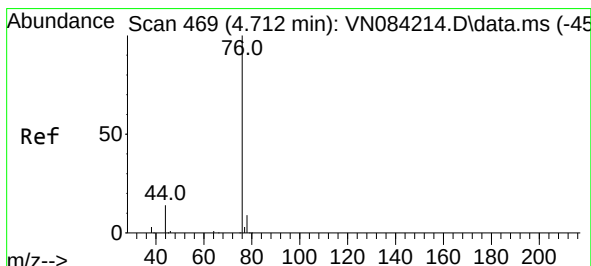
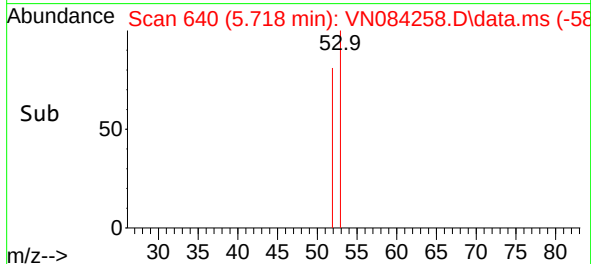
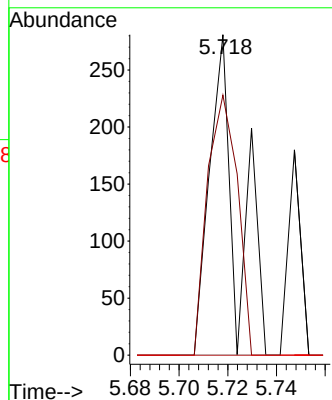
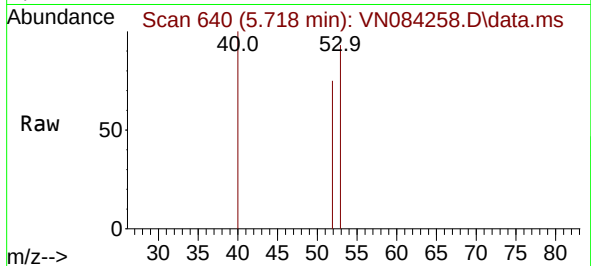




#15
Acrylonitrile
Concen: 0.232 ug/l
RT: 5.718 min Scan# 640
Delta R.T. 0.000 min
Lab File: VN084258.D
Acq: 02 Oct 2024 11:49

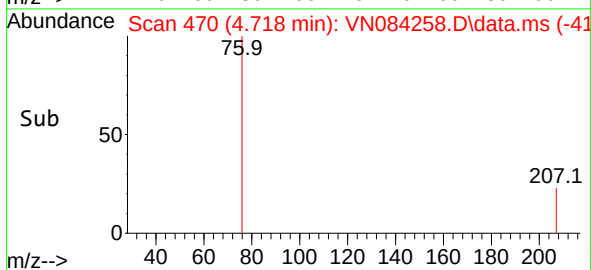
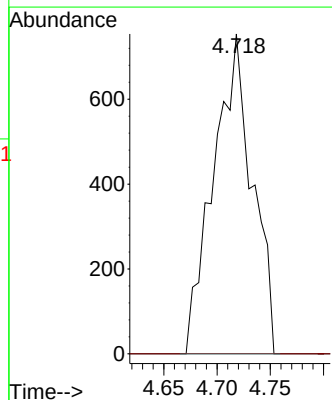
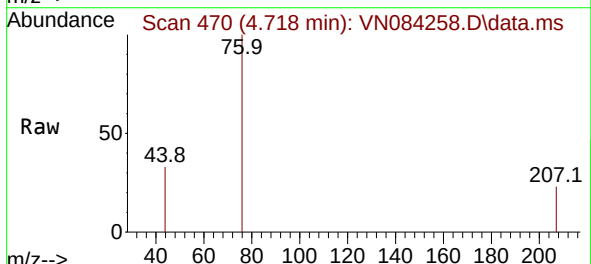
Instrument :
MSVOA_N
ClientSampleId :
VN1002MBL01

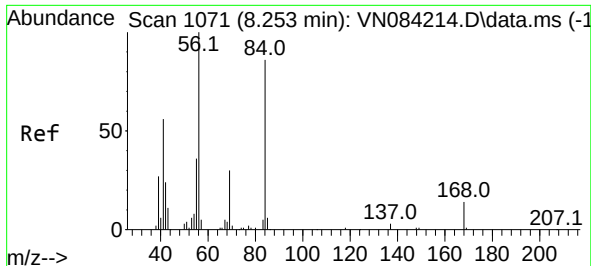
Tgt Ion: 53	Resp:	224	
Ion	Ratio	Lower	Upper
53	100		
52	87.1	66.2	99.4
51	0.0	28.8	43.2#



#17
Carbon Disulfide
Concen: 0.343 ug/l
RT: 4.718 min Scan# 470
Delta R.T. 0.006 min
Lab File: VN084258.D
Acq: 02 Oct 2024 11:49

Tgt Ion: 76	Resp:	1908	
Ion	Ratio	Lower	Upper
76	100		
78	0.0	7.3	10.9#

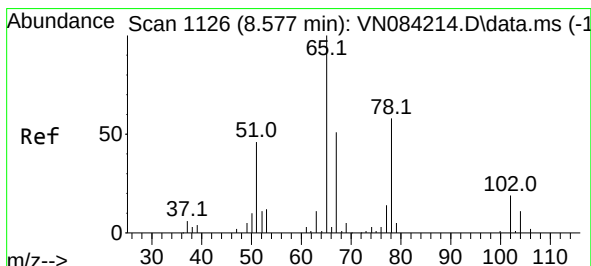
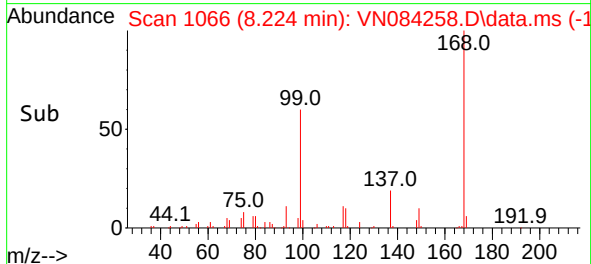
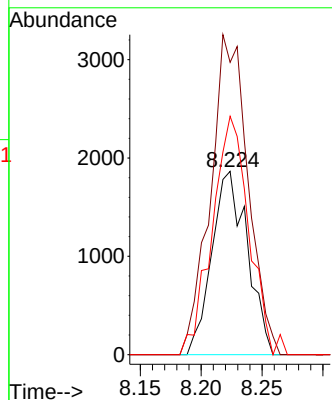
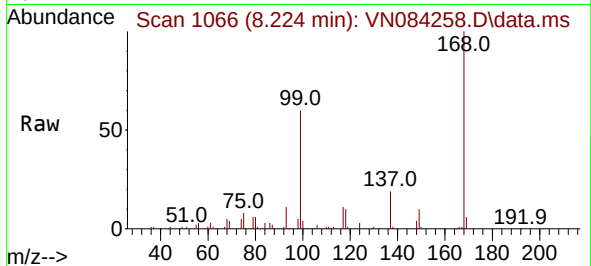




#31
Cyclohexane
Concen: 1.101 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN084258.D
Acq: 02 Oct 2024 11:49

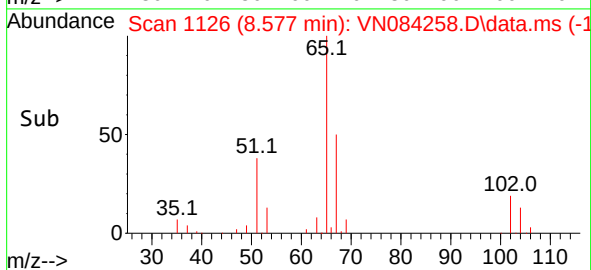
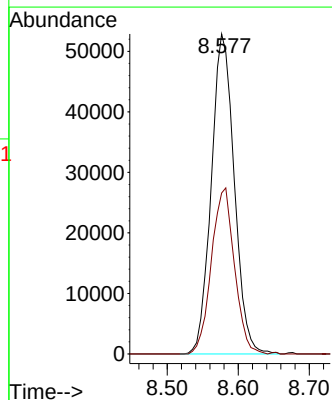
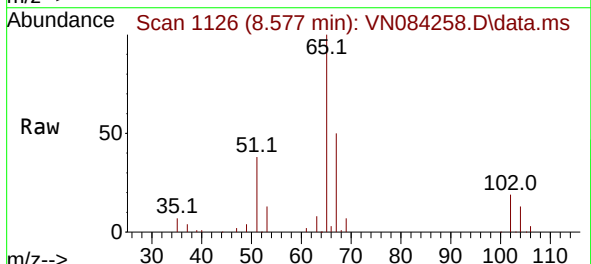
Instrument :
MSVOA_N
ClientSampleId :
VN1002MBL01

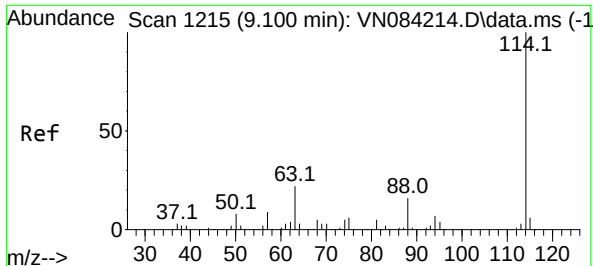
Tgt Ion: 56 Resp: 3780
Ion Ratio Lower Upper
56 100
69 159.4 23.8 35.6#
84 130.1 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 51.170 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084258.D
Acq: 02 Oct 2024 11:49

Tgt Ion: 65 Resp: 118560
Ion Ratio Lower Upper
65 100
67 52.1 0.0 102.0

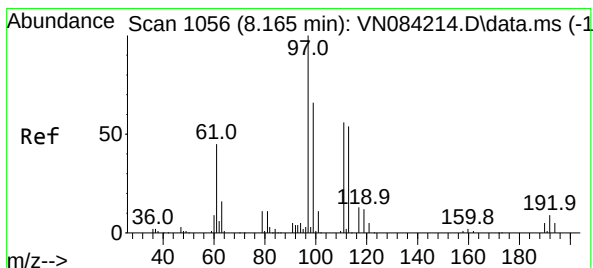
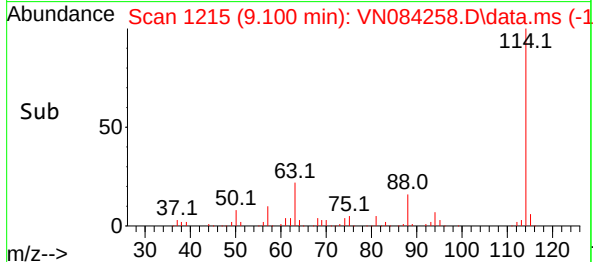
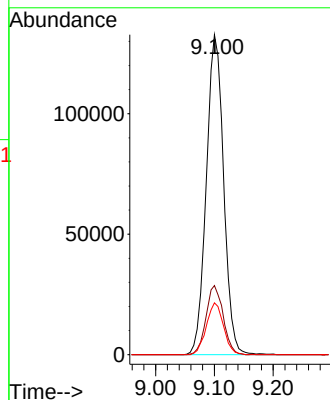
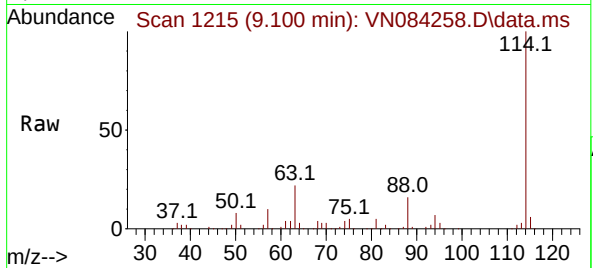




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084258.D
Acq: 02 Oct 2024 11:49

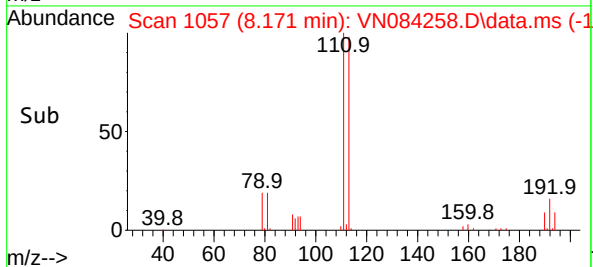
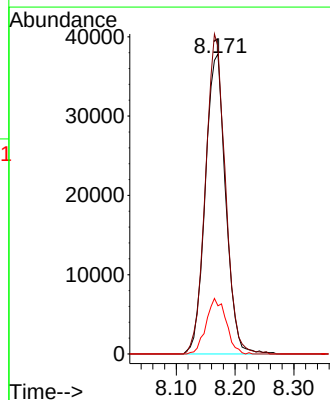
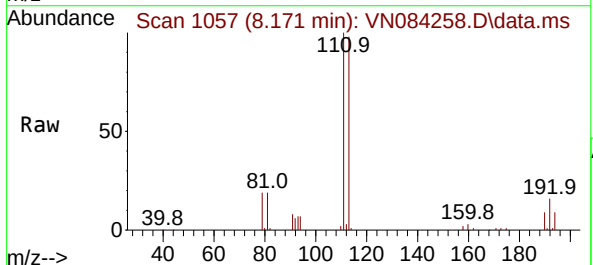
Instrument :
MSVOA_N
ClientSampleId :
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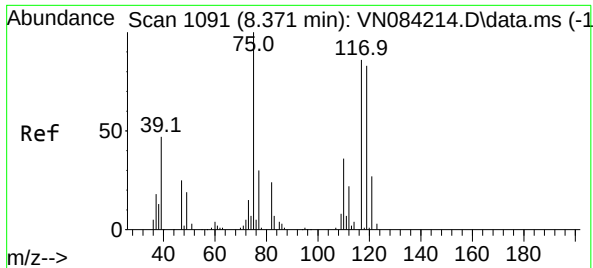
Tgt Ion:114 Resp: 271625
Ion Ratio Lower Upper
114 100
63 21.6 0.0 43.8
88 16.2 0.0 31.6



#35
Dibromofluoromethane
Concen: 50.740 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN084258.D
Acq: 02 Oct 2024 11:49

Tgt Ion:113 Resp: 90862
Ion Ratio Lower Upper
113 100
111 103.9 83.3 124.9
192 18.2 13.5 20.3

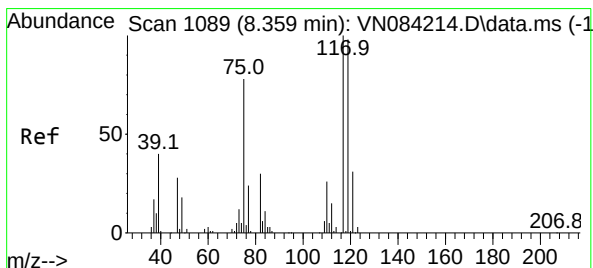
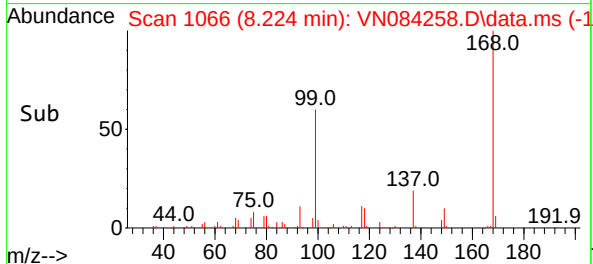
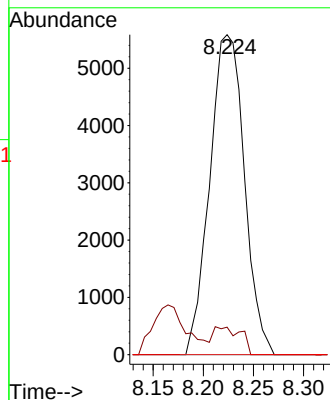
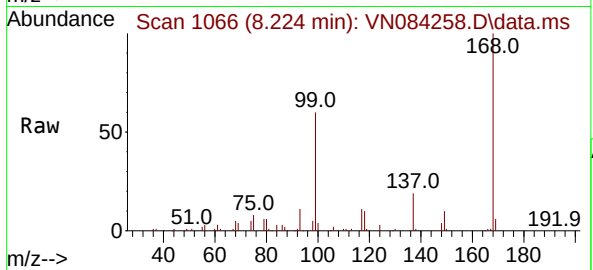




#36
 1,1-Dichloropropene
 Concen: 5.157 ug/l
 RT: 8.224 min Scan# 1066
 Delta R.T. -0.147 min
 Lab File: VN084258.D
 Acq: 02 Oct 2024 11:49

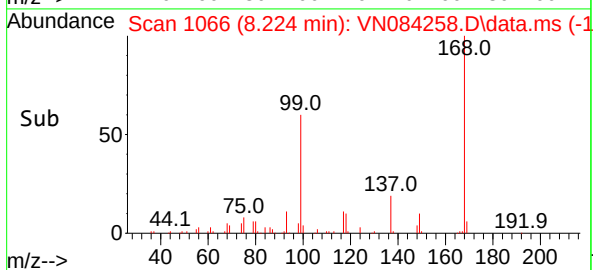
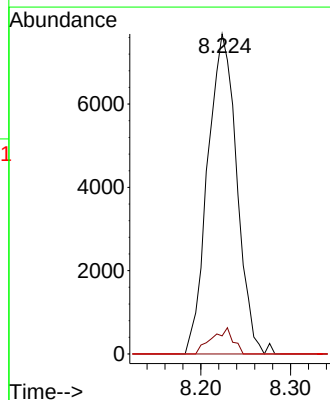
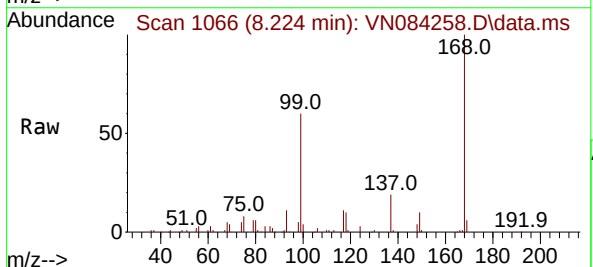
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002MBL01

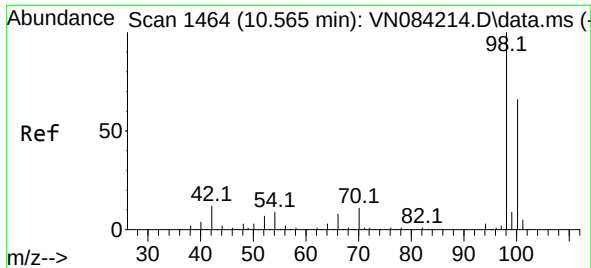
Tgt Ion: 75 Resp: 13414
 Ion Ratio Lower Upper
 75 100
 110 6.7 16.9 50.7#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.080 ug/l
 RT: 8.224 min Scan# 1066
 Delta R.T. -0.135 min
 Lab File: VN084258.D
 Acq: 02 Oct 2024 11:49

Tgt Ion: 117 Resp: 17348
 Ion Ratio Lower Upper
 117 100
 119 5.6 78.7 118.1#
 121 0.0 24.4 36.6#

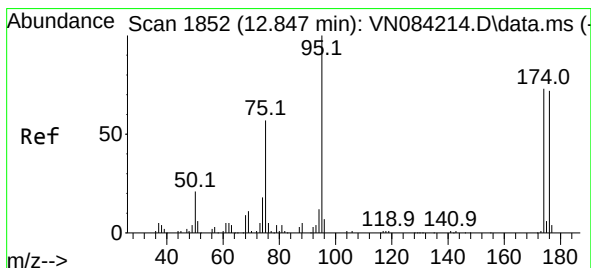
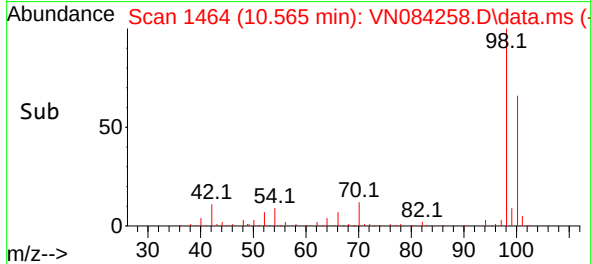
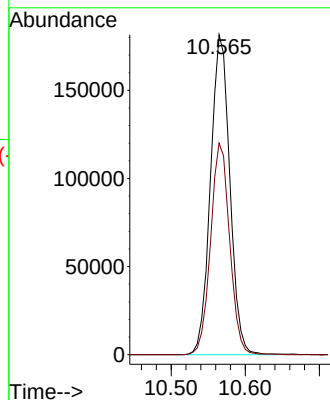
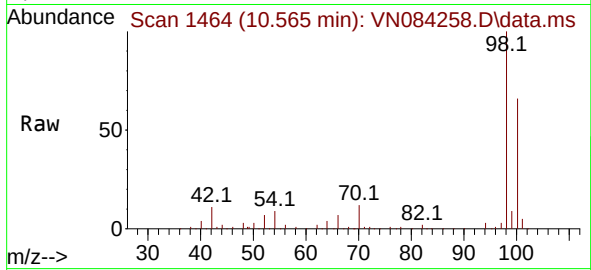




#50
Toluene-d8
Concen: 49.848 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084258.D
Acq: 02 Oct 2024 11:49

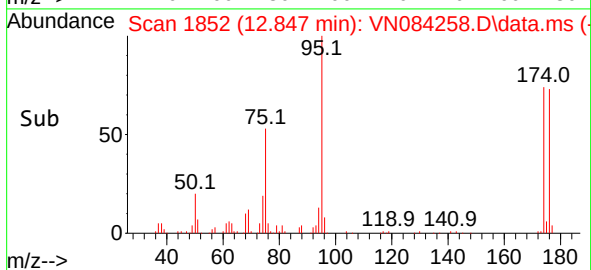
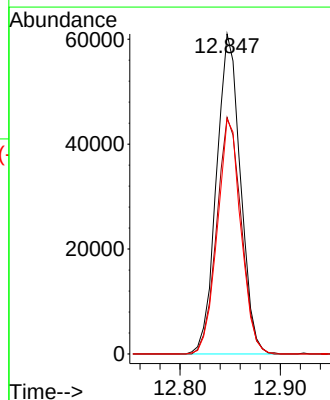
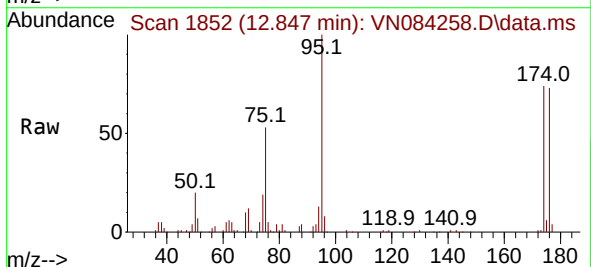
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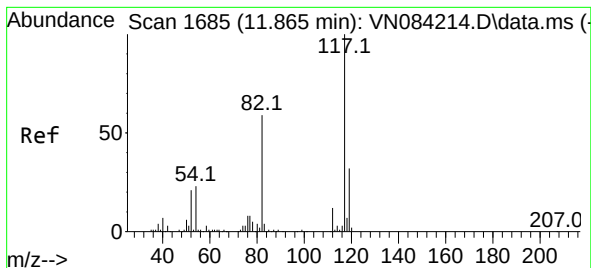
Tgt Ion: 98 Resp: 328411
Ion Ratio Lower Upper
98 100
100 65.3 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 42.190 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084258.D
Acq: 02 Oct 2024 11:49

Tgt Ion: 95 Resp: 101264
Ion Ratio Lower Upper
95 100
174 75.9 0.0 145.2
176 72.2 0.0 140.0

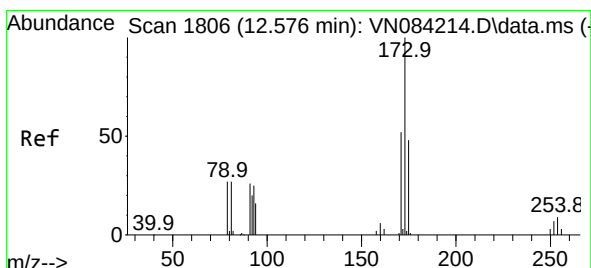
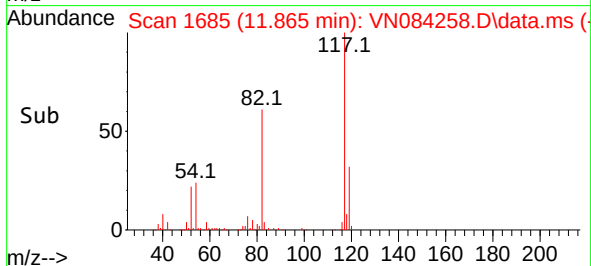
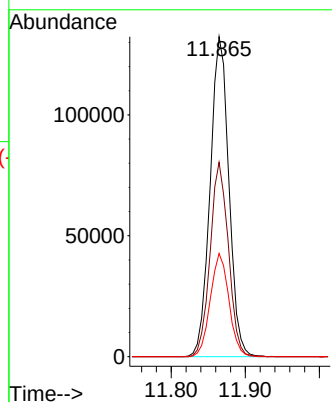
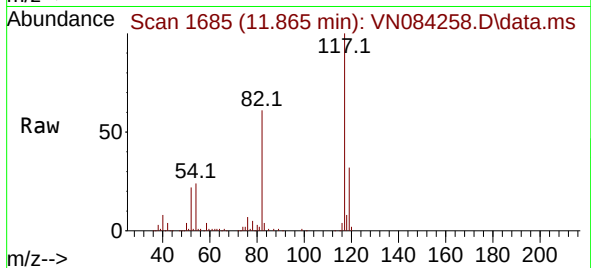




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084258.D
Acq: 02 Oct 2024 11:49

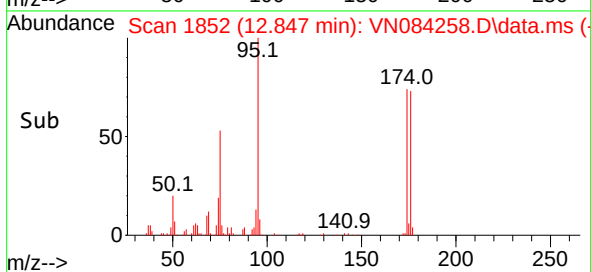
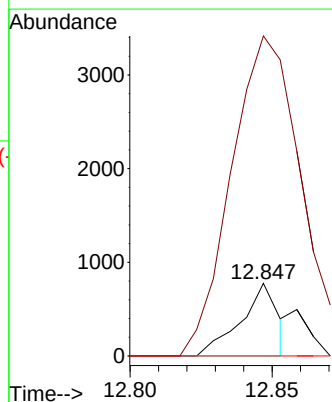
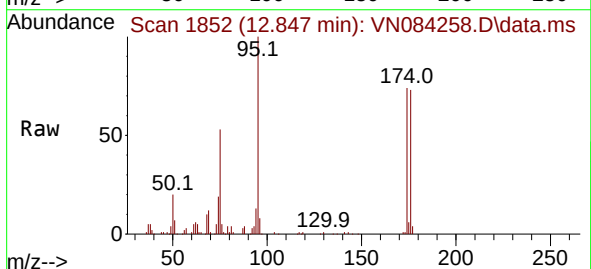
Instrument :
MSVOA_N
ClientSampleId :
VN1002MBL01

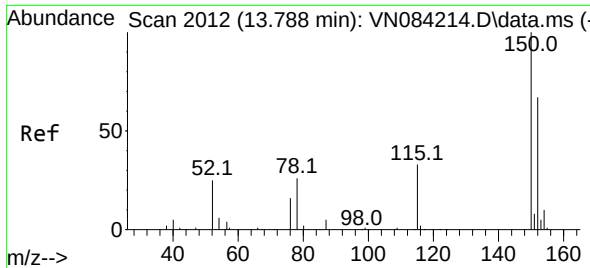
Tgt Ion:117 Resp: 232144
Ion Ratio Lower Upper
117 100
82 60.7 47.2 70.8
119 32.2 25.4 38.0



#71
Bromoform
Concen: 0.543 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN084258.D
Acq: 02 Oct 2024 11:49

Tgt Ion:173 Resp: 709
Ion Ratio Lower Upper
173 100
175 620.6 23.5 70.6#
254 0.0 0.0 0.0

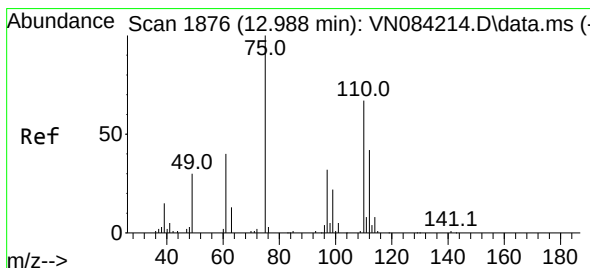
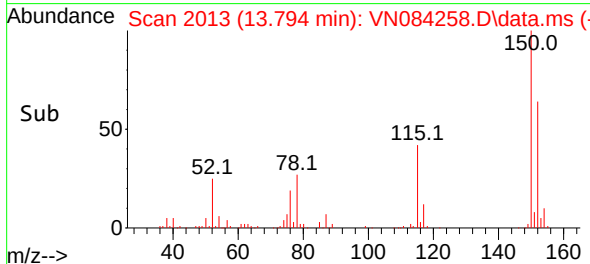
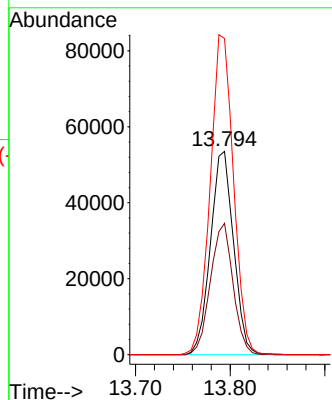
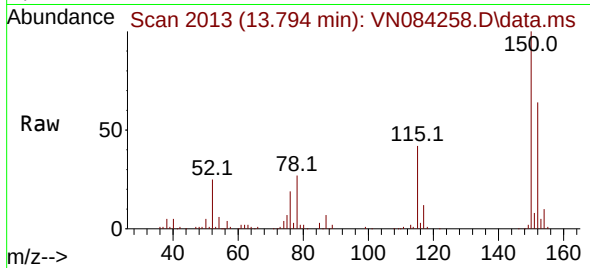




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2012
 Delta R.T. 0.006 min
 Lab File: VN084258.D
 Acq: 02 Oct 2024 11:49

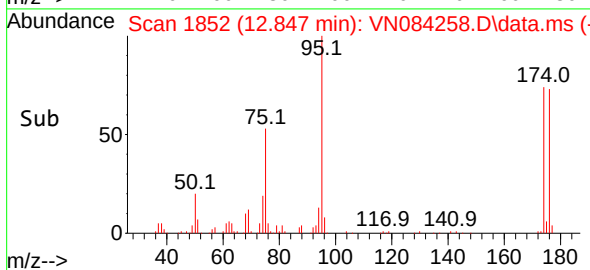
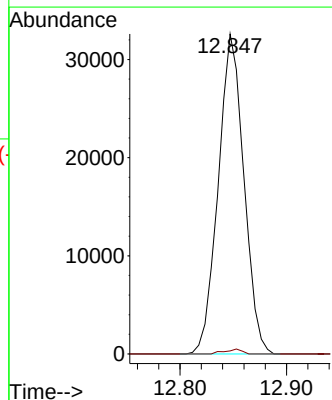
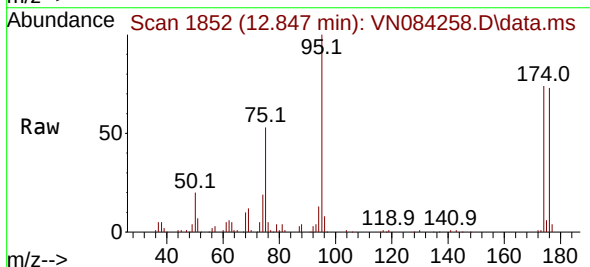
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002MBL01

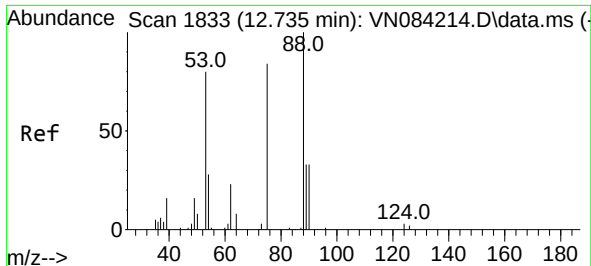
Tgt Ion:152 Resp: 90750
 Ion Ratio Lower Upper
 152 100
 115 63.3 31.3 93.9
 150 158.9 0.0 349.8



#76
 1,2,3-Trichloropropane
 Concen: 29.377 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.141 min
 Lab File: VN084258.D
 Acq: 02 Oct 2024 11:49

Tgt Ion: 75 Resp: 54427
 Ion Ratio Lower Upper
 75 100
 77 1.0 96.9 290.7#

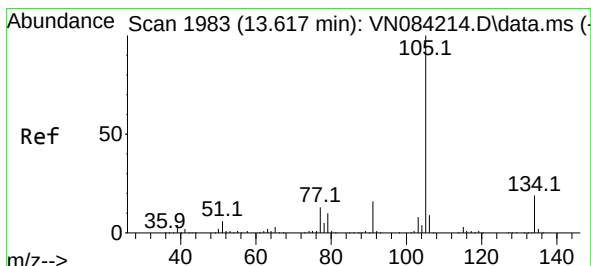
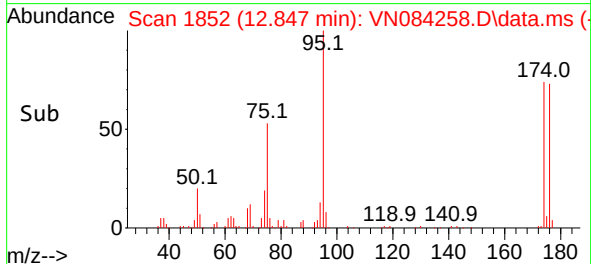
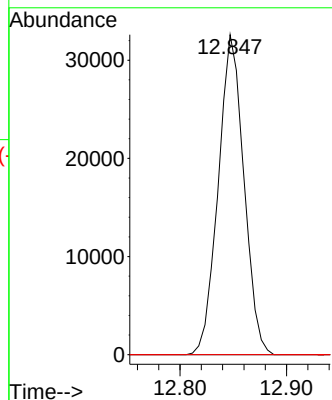
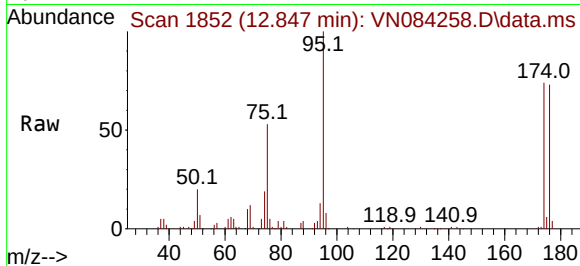




#81
trans-1,4-Dichloro-2-butene
Concen: 70.431 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084258.D
Acq: 02 Oct 2024 11:49

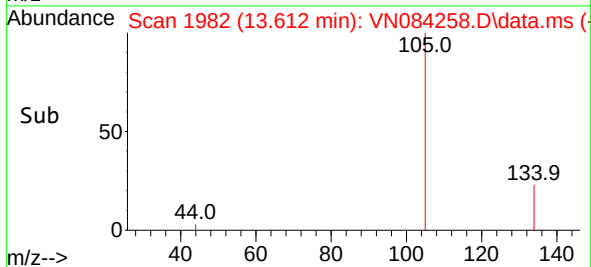
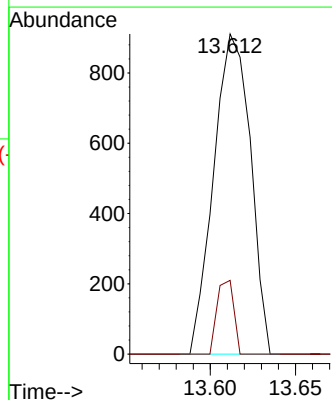
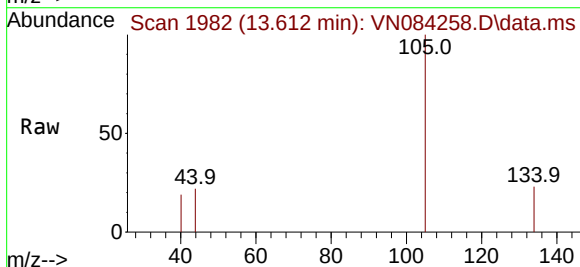
Instrument :
MSVOA_N
ClientSampleId :
VN1002MBL01

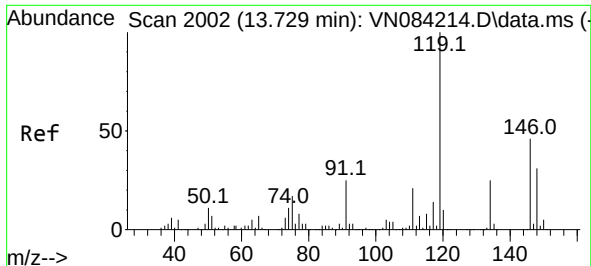
Tgt Ion: 75 Resp: 54427
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#



#85
sec-Butylbenzene
Concen: 0.204 ug/l
RT: 13.612 min Scan# 1982
Delta R.T. -0.006 min
Lab File: VN084258.D
Acq: 02 Oct 2024 11:49

Tgt Ion: 105 Resp: 1370
Ion Ratio Lower Upper
105 100
134 10.4 9.8 29.4





#87

1,3-Dichlorobenzene

Concen: 0.279 ug/l

RT: 13.735 min Scan# 2002

Delta R.T. 0.006 min

Lab File: VN084258.D

Acq: 02 Oct 2024 11:49

Instrument :

MSVOA_N

ClientSampleId :

VN1002MBL01

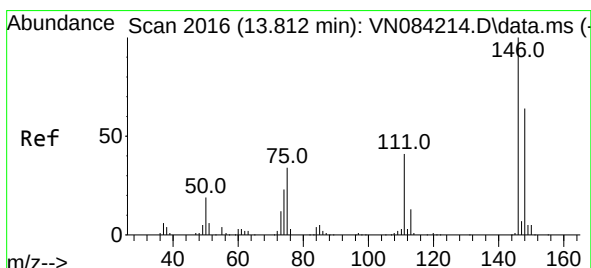
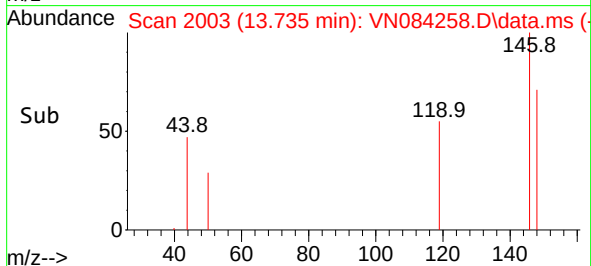
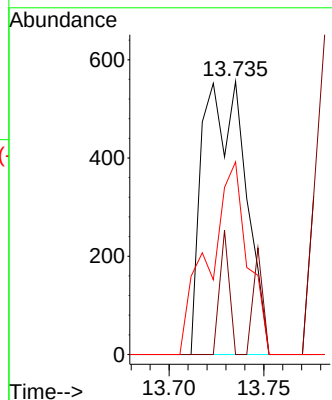
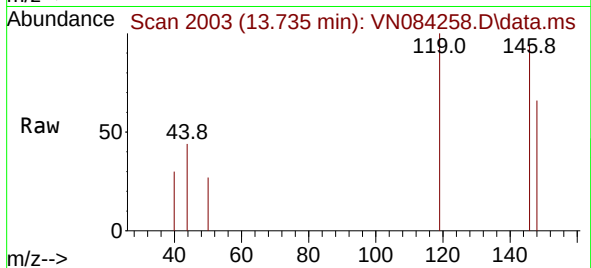
Tgt Ion:146 Resp: 873

Ion Ratio Lower Upper

146 100

111 10.2 21.8 65.3#

148 64.1 31.9 95.7



#88

1,4-Dichlorobenzene

Concen: 0.405 ug/l

RT: 13.806 min Scan# 2015

Delta R.T. -0.006 min

Lab File: VN084258.D

Acq: 02 Oct 2024 11:49

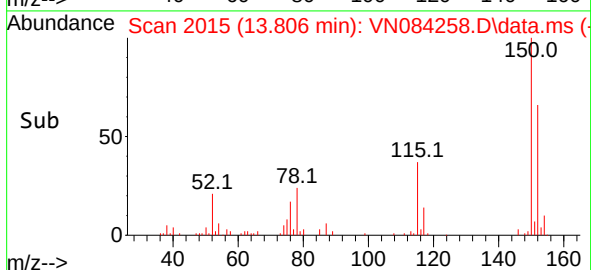
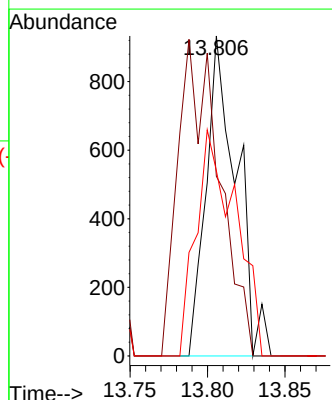
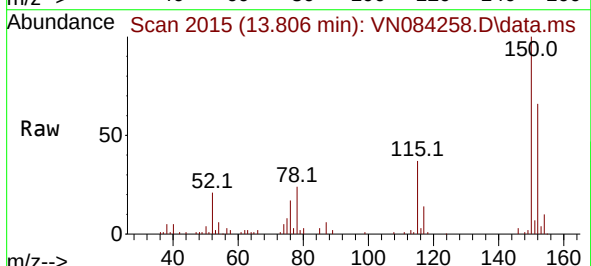
Tgt Ion:146 Resp: 1281

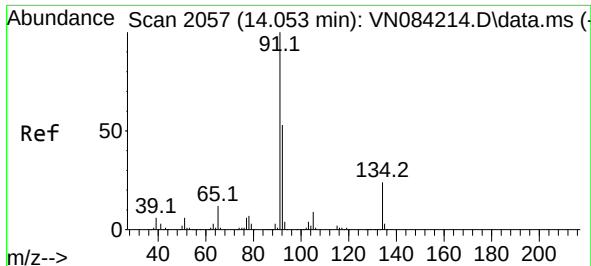
Ion Ratio Lower Upper

146 100

111 132.3 21.2 63.6#

148 91.3 31.9 95.9

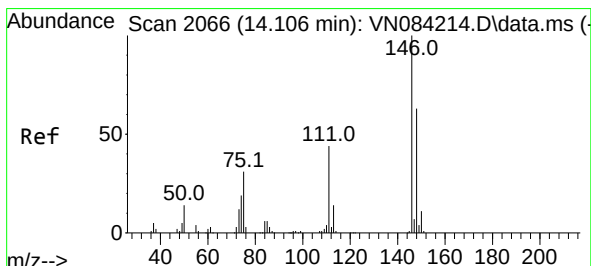
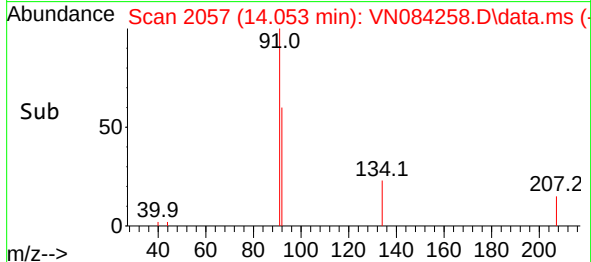
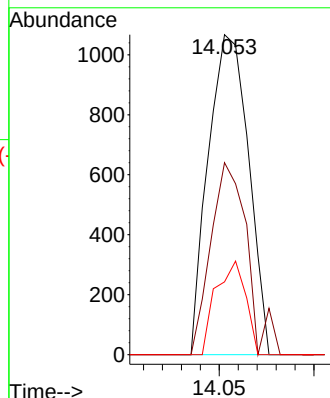
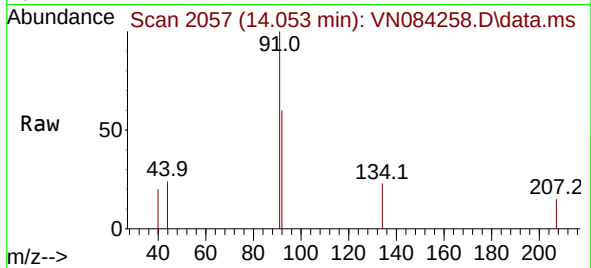




#89
n-Butylbenzene
Concen: 0.314 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN084258.D
Acq: 02 Oct 2024 11:49

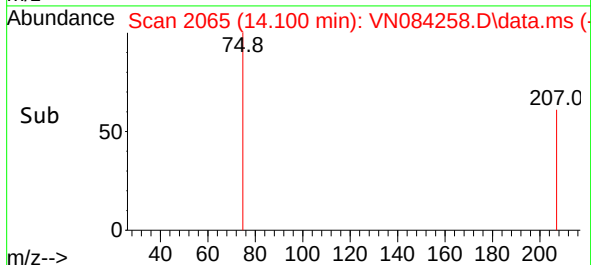
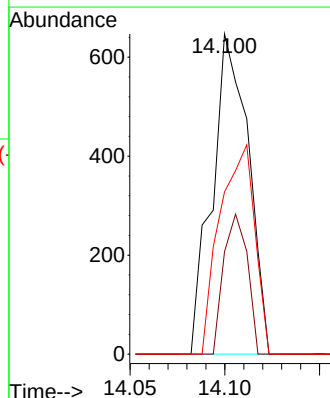
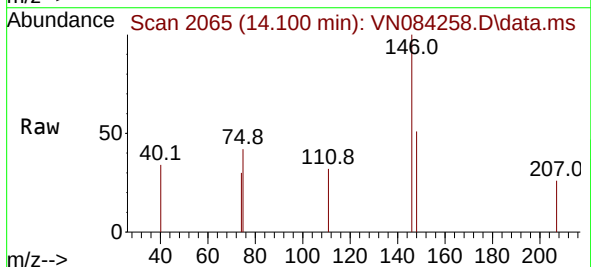
Instrument :
MSVOA_N
ClientSampleId :
VN1002MBL01

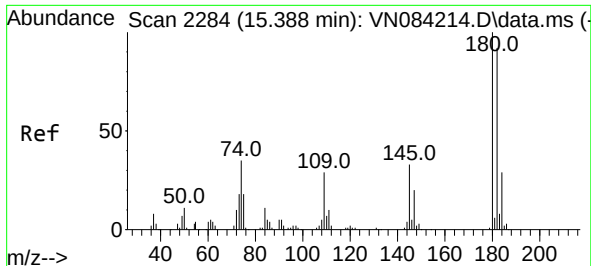
Tgt Ion: 91	Resp:	1576	
Ion	Ratio	Lower	Upper
91	100		
92	54.1	26.6	79.7
134	21.6	12.3	36.9



#91
1,2-Dichlorobenzene
Concen: 0.280 ug/l
RT: 14.100 min Scan# 2065
Delta R.T. -0.006 min
Lab File: VN084258.D
Acq: 02 Oct 2024 11:49

Tgt Ion:146	Resp:	859	
Ion	Ratio	Lower	Upper
146	100		
111	28.6	22.0	66.0
148	62.9	32.1	96.3





#93

1,2,4-Trichlorobenzene

Concen: 0.910 ug/l

RT: 15.394 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN084258.D

Acq: 02 Oct 2024 11:49

Instrument :

MSVOA_N

ClientSampleId :

VN1002MBL01

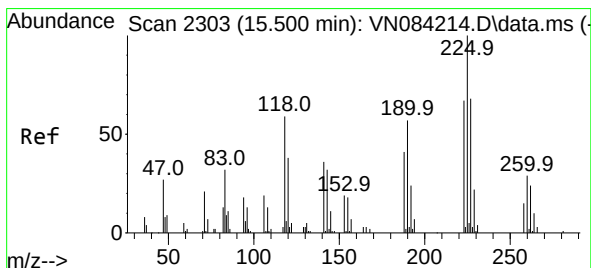
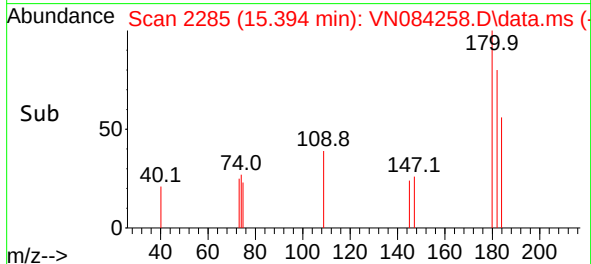
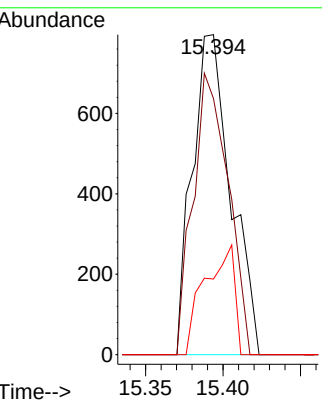
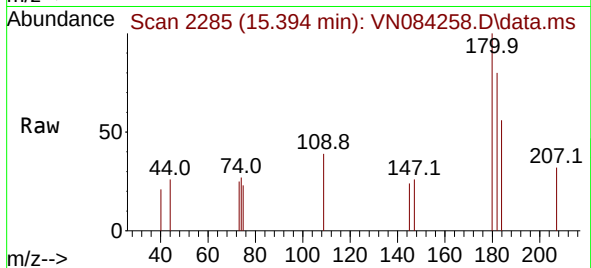
Tgt Ion:180 Resp: 1377

Ion Ratio Lower Upper

180 100

182 80.2 47.0 141.0

145 26.4 16.4 49.4



#94

Hexachlorobutadiene

Concen: 1.124 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. -0.000 min

Lab File: VN084258.D

Acq: 02 Oct 2024 11:49

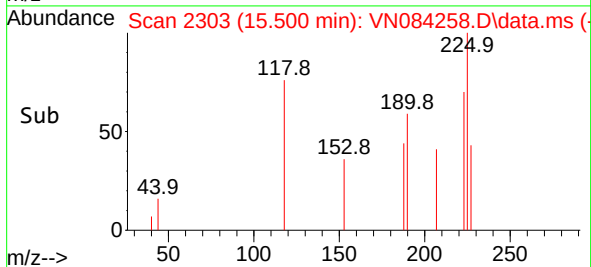
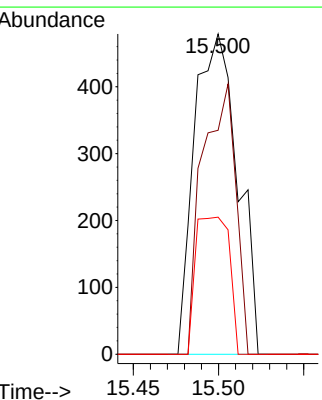
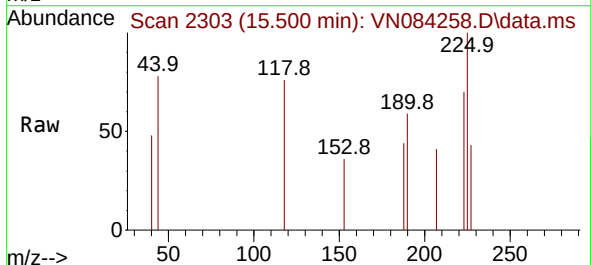
Tgt Ion:225 Resp: 848

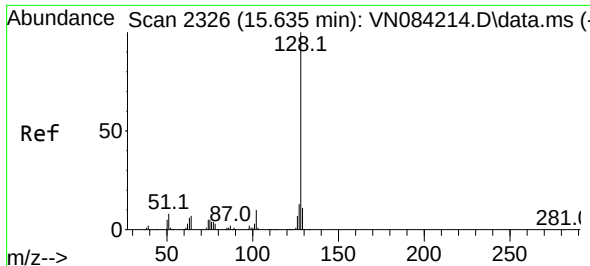
Ion Ratio Lower Upper

225 100

223 64.7 32.4 97.2

227 33.1 32.4 97.0

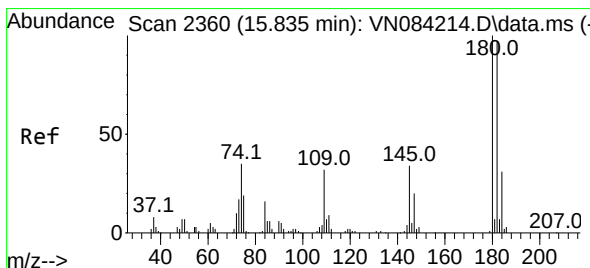
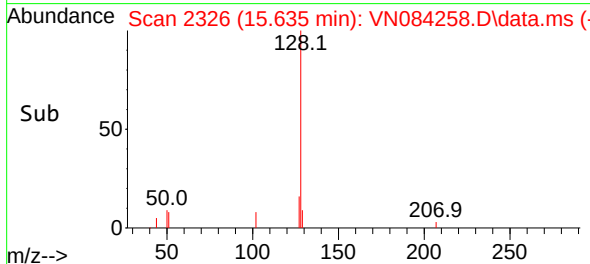
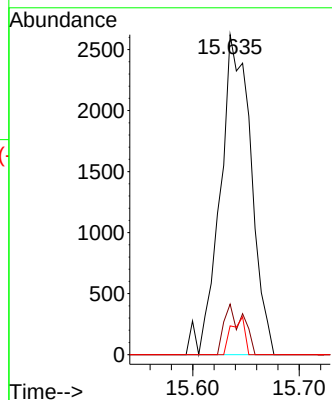
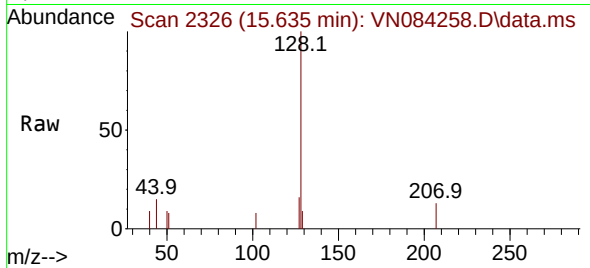




#95
Naphthalene
Concen: 1.054 ug/l
RT: 15.635 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN084258.D
Acq: 02 Oct 2024 11:49

Instrument :
MSVOA_N
ClientSampleId :
VN1002MBL01

Tgt Ion:128 Resp: 5287
Ion Ratio Lower Upper
128 100
127 9.6 10.5 15.7#
129 5.1 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 1.174 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084258.D
Acq: 02 Oct 2024 11:49

Tgt Ion:180 Resp: 1778
Ion Ratio Lower Upper
180 100
182 76.4 48.2 144.6
145 25.1 17.3 51.9

