

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020122\
 Data File : VN070869.D
 Acq On : 1 Feb 2022 13:32
 Operator : JC/MD
 Sample : VN0201MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0201MBL01

Quant Time: Feb 02 00:34:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 18 13:32:07 2022
 Response via : Initial Calibration

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

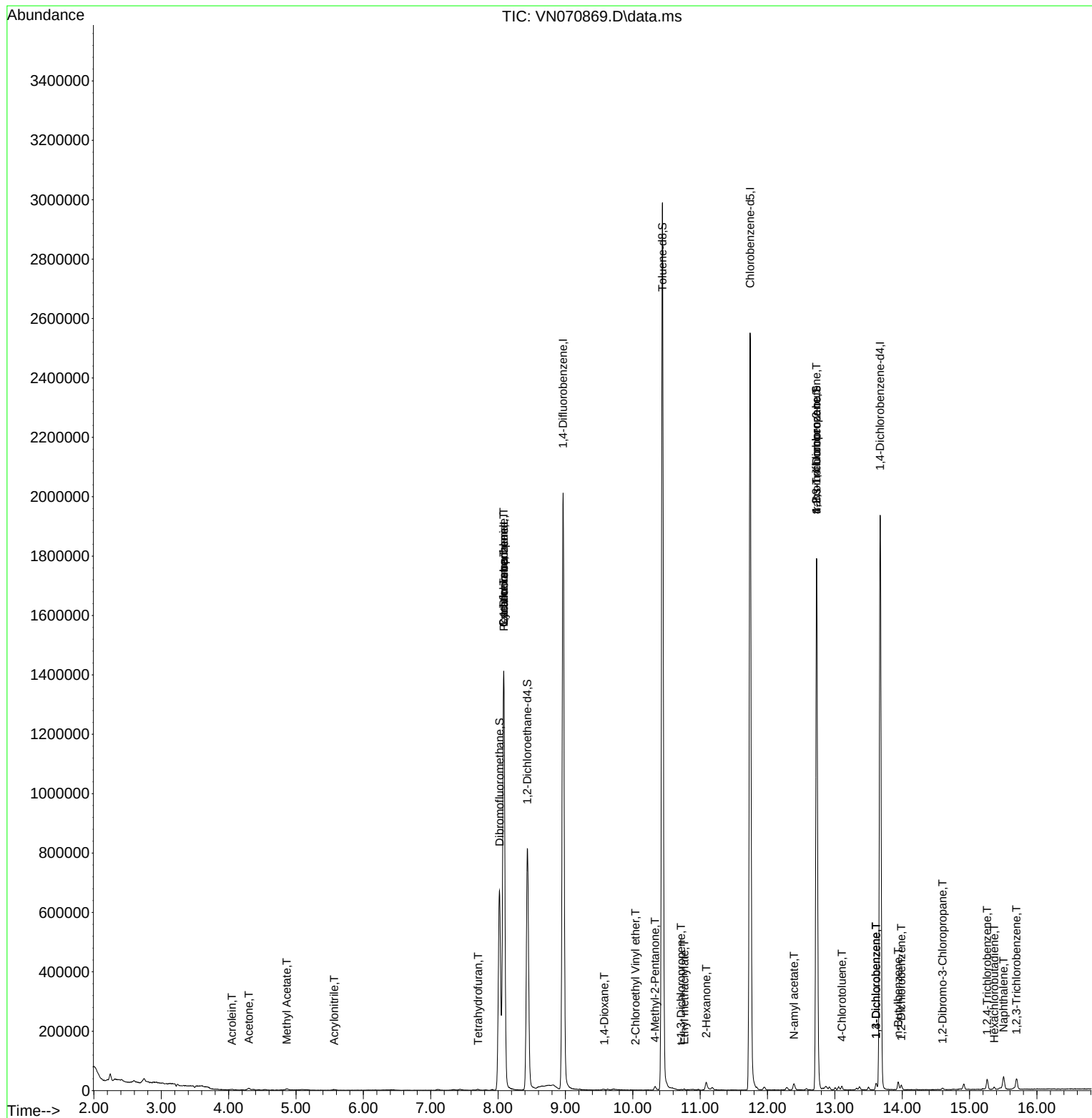
Internal Standards						
1) Pentafluorobenzene	8.086	168	1091725	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1742912	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.741	117	1503974	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	548816	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	704083	45.000	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	90.000%		
35) Dibromofluoromethane	8.021	113	509362	47.114	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	94.220%		
50) Toluene-d8	10.440	98	2102884	46.171	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	92.340%		
62) 4-Bromofluorobenzene	12.728	95	678225	41.789	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	83.580%		
Target Compounds						Qvalue
13) Acrolein	4.049	56	2524	0.623	ug/l #	75
15) Acrylonitrile	5.567	53	2977	0.332	ug/l #	56
16) Acetone	4.299	43	7901	0.728	ug/l	93
18) Methyl Acetate	4.865	43	8082	0.378	ug/l #	59
29) Tetrahydrofuran	7.705	42	2544	0.304	ug/l #	54
30) Chloroform	7.825	83	562	Below Cal		91
31) Cyclohexane	8.083	56	24359	0.884	ug/l #	1
36) 1,1-Dichloropropene	8.083	75	87082	4.785	ug/l #	49
38) Carbon Tetrachloride	8.083	117	106256	6.562	ug/l #	17
49) 1,4-Dioxane	9.577	88	344	1.302	ug/l #	79
51) 4-Methyl-2-Pentanone	10.330	43	10494	0.446	ug/l	99
53) t-1,3-Dichloropropene	10.717	75	881	2.442	ug/l	89
56) Ethyl methacrylate	10.768	69	2289	2.388	ug/l	85
58) 2-Chloroethyl Vinyl ether	10.041	63	156	21.259	ug/l #	45
59) 2-Hexanone	11.089	43	24418	1.427	ug/l	90
74) N-amyl acetate	12.393	43	15825	0.745	ug/l	96
76) 1,2,3-Trichloropropane	12.728	75	351867	24.173	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.728	75	351867	72.016	ug/l #	5
82) 4-Chlorotoluene	13.106	91	8218	0.239	ug/l	85
87) 1,3-Dichlorobenzene	13.611	146	6298	0.325	ug/l	94
88) 1,4-Dichlorobenzene	13.611	146	6298	0.327	ug/l	94
89) n-Butylbenzene	13.940	91	15993	0.497	ug/l	99
91) 1,2-Dichlorobenzene	13.986	146	6633	0.347	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.597	75	1441	0.484	ug/l	79
93) 1,2,4-Trichlorobenzene	15.260	180	11797	4.509	ug/l	98
94) Hexachlorobutadiene	15.367	225	1768	0.312	ug/l	95
95) Naphthalene	15.504	128	42364	6.290	ug/l	100
96) 1,2,3-Trichlorobenzene	15.697	180	16017	4.762	ug/l	98

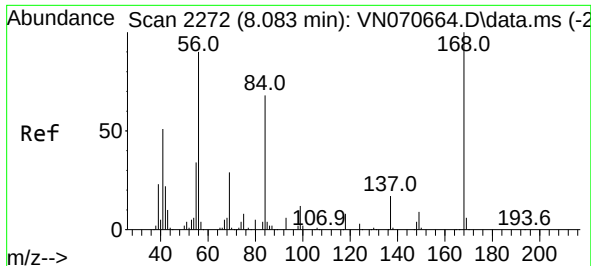
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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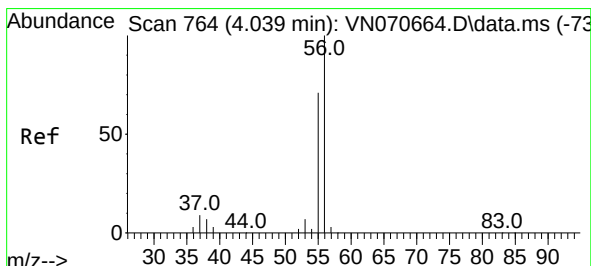
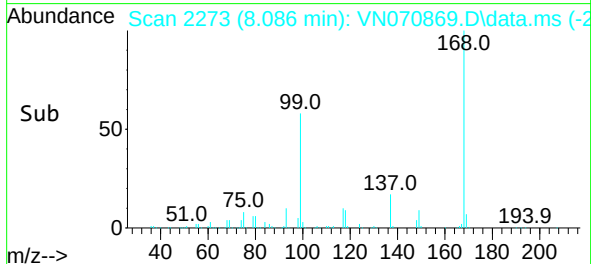
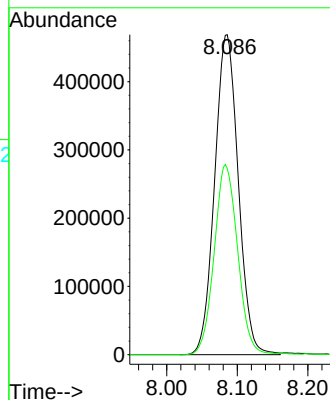
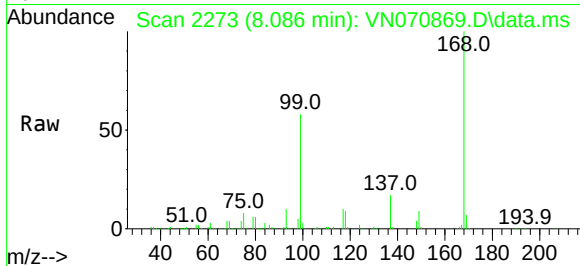




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. 0.003 min
Lab File: VN070869.D
Acq: 1 Feb 2022 13:32

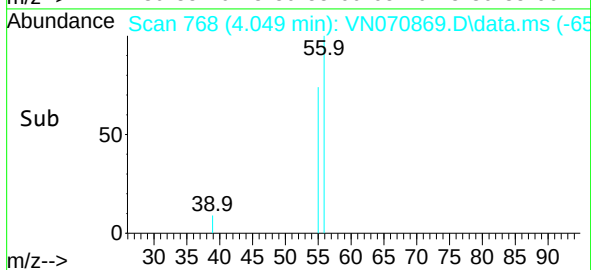
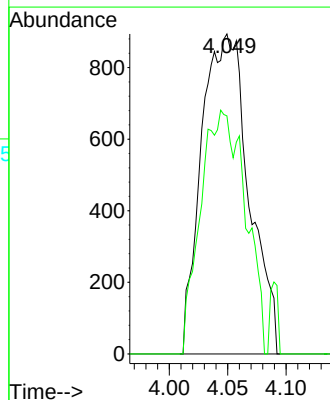
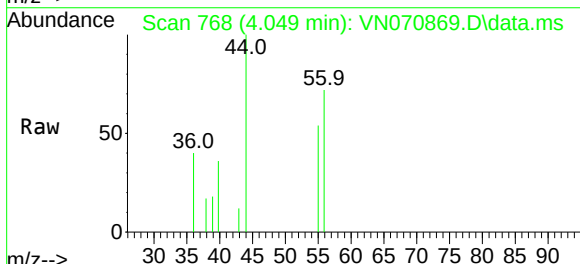
Instrument :
MSVOA_N
ClientSampleId :
VN0201MBL01

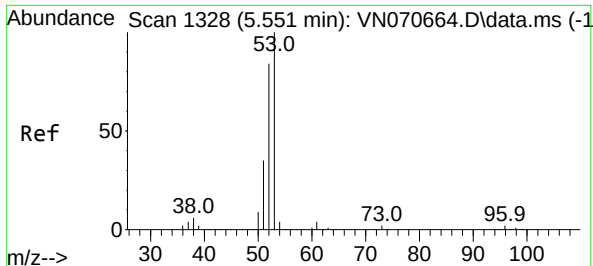
Tgt Ion:168 Resp: 1091725
Ion Ratio Lower Upper
168 100
99 58.2 41.3 61.9



#13
Acrolein
Concen: 0.623 ug/l
RT: 4.049 min Scan# 768
Delta R.T. 0.010 min
Lab File: VN070869.D
Acq: 1 Feb 2022 13:32

Tgt Ion: 56 Resp: 2524
Ion Ratio Lower Upper
56 100
55 50.1 56.6 85.0#





#15

Acrylonitrile

Concen: 0.332 ug/l

RT: 5.567 min Scan# 11

Delta R.T. 0.016 min

Lab File: VN070869.D

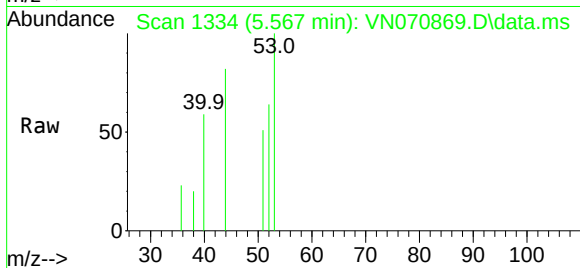
Acq: 1 Feb 2022 13:32

Instrument :

MSVOA_N

ClientSampleId :

VN0201MBL01



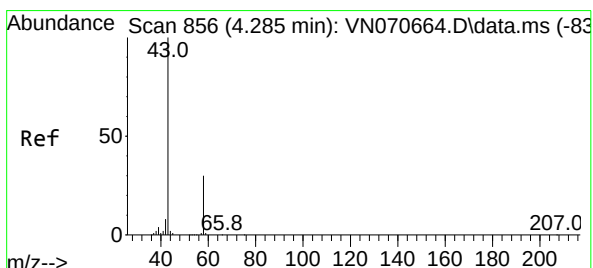
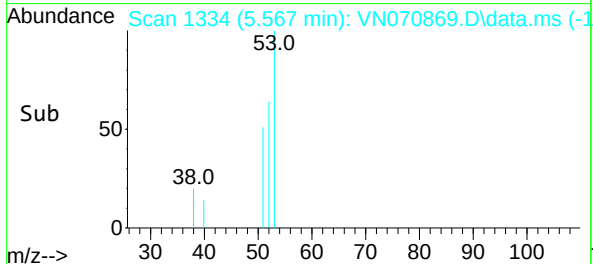
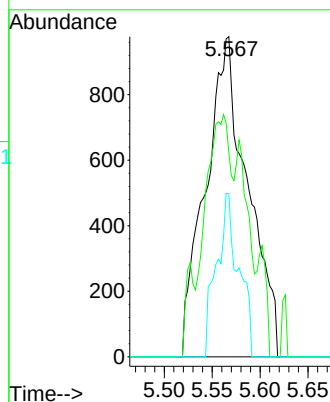
Tgt Ion: 53 Resp: 2977

Ion Ratio Lower Upper

53 100

52 31.7 66.2 99.2#

51 26.7 29.6 44.4#



#16

Acetone

Concen: 0.728 ug/l

RT: 4.299 min Scan# 861

Delta R.T. 0.014 min

Lab File: VN070869.D

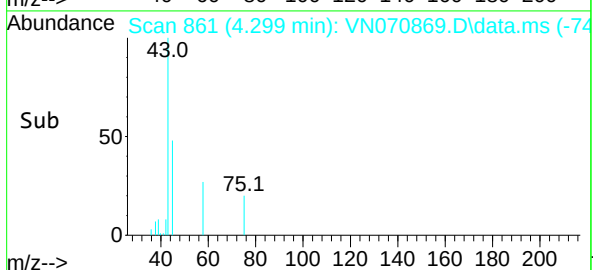
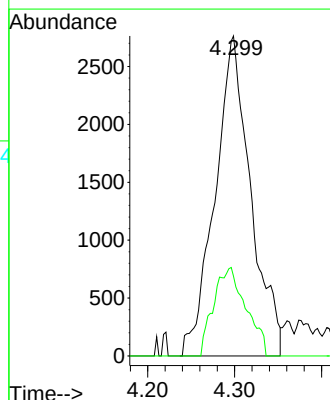
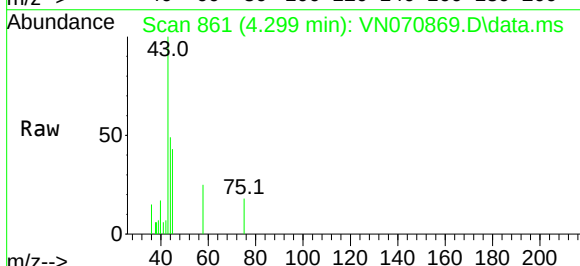
Acq: 1 Feb 2022 13:32

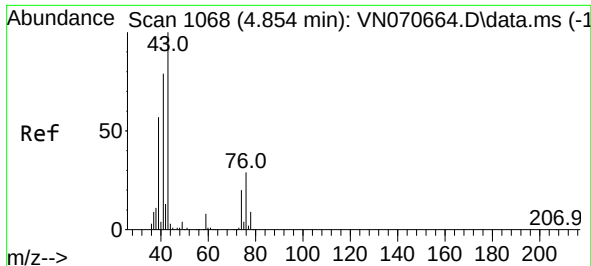
Tgt Ion: 43 Resp: 7901

Ion Ratio Lower Upper

43 100

58 25.0 23.1 34.7





#18

Methyl Acetate

Concen: 0.378 ug/l

RT: 4.865 min Scan# 11

Delta R.T. 0.011 min

Lab File: VN070869.D

Acq: 1 Feb 2022 13:32

Instrument :

MSVOA_N

ClientSampleId :

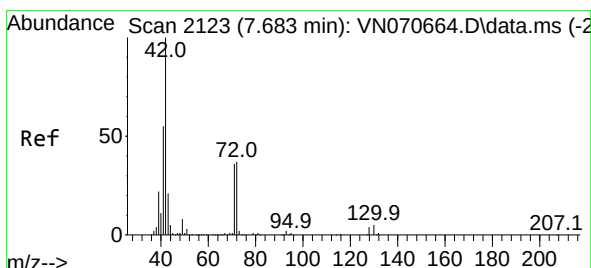
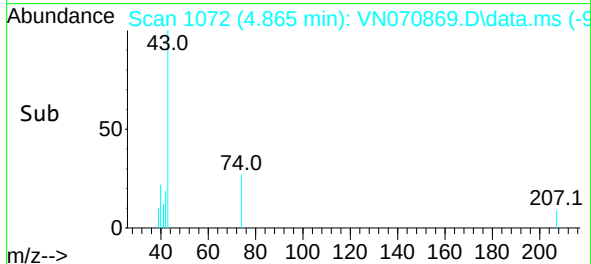
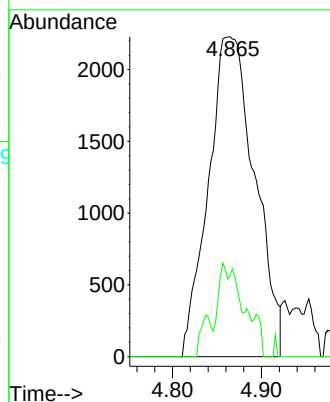
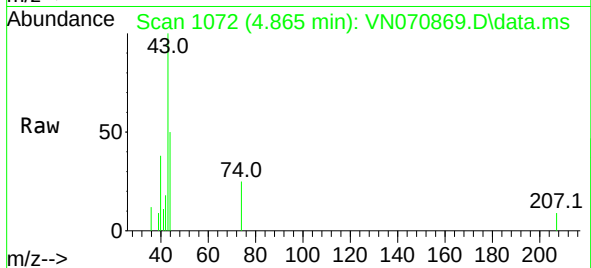
VN0201MBL01

Tgt Ion: 43 Resp: 8082

Ion Ratio Lower Upper

43 100

74 3.9 19.4 29.2#



#29

Tetrahydrofuran

Concen: 0.304 ug/l

RT: 7.705 min Scan# 2131

Delta R.T. 0.022 min

Lab File: VN070869.D

Acq: 1 Feb 2022 13:32

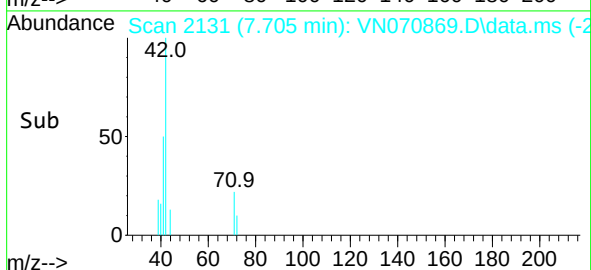
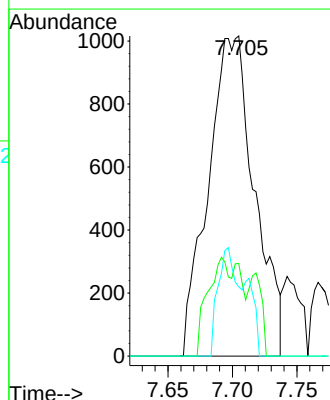
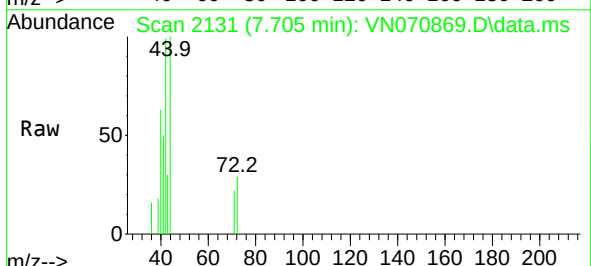
Tgt Ion: 42 Resp: 2544

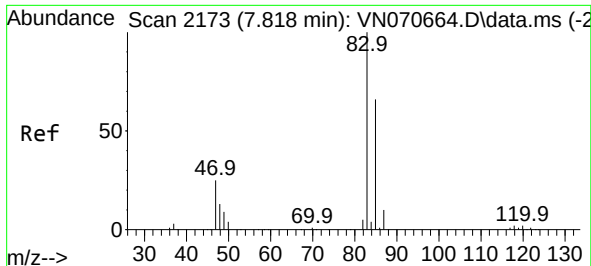
Ion Ratio Lower Upper

42 100

72 15.2 36.3 54.5#

71 14.5 34.7 52.1#





#30

Chloroform

Concen: Below Cal

RT: 7.825 min Scan# 2173

Delta R.T. 0.008 min

Lab File: VN070869.D

Acq: 1 Feb 2022 13:32

Instrument :

MSVOA_N

ClientSampleId :

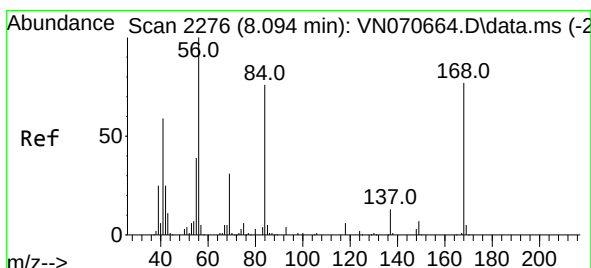
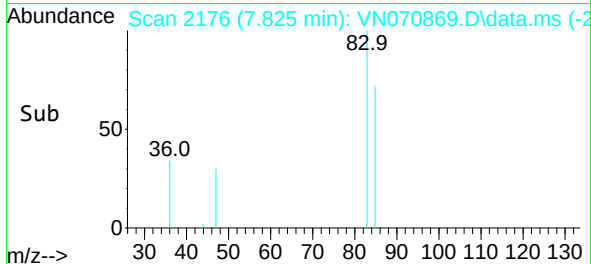
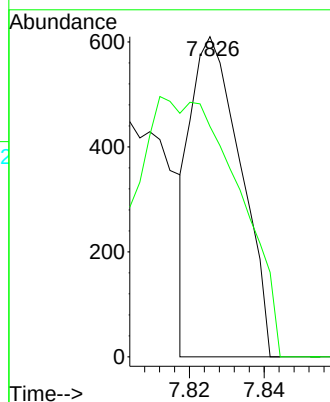
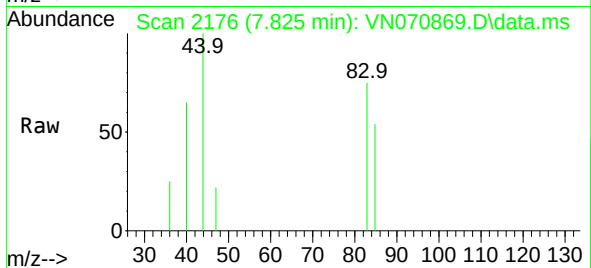
VN0201MBL01

Tgt Ion: 83 Resp: 562

Ion Ratio Lower Upper

83 100

85 72.0 51.9 77.9



#31

Cyclohexane

Concen: 0.884 ug/l

RT: 8.083 min Scan# 2272

Delta R.T. -0.011 min

Lab File: VN070869.D

Acq: 1 Feb 2022 13:32

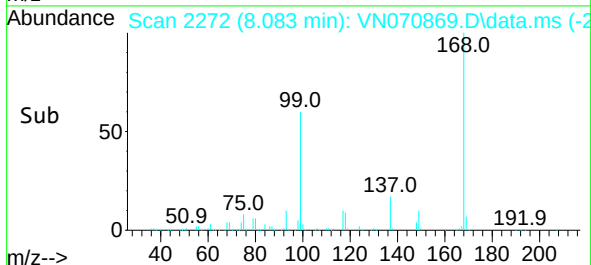
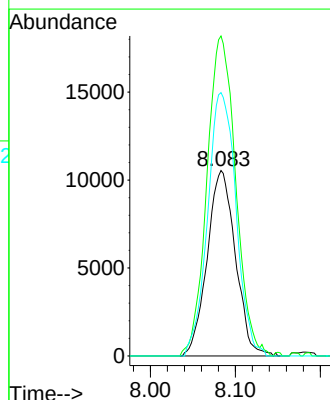
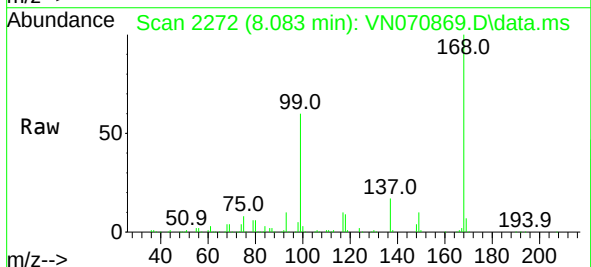
Tgt Ion: 56 Resp: 24359

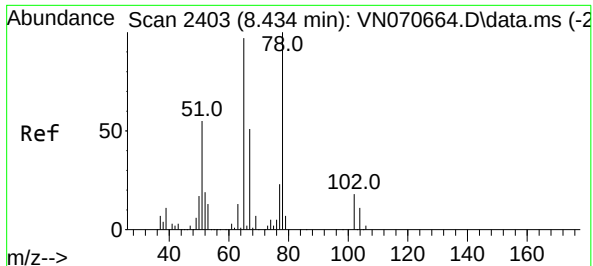
Ion Ratio Lower Upper

56 100

69 172.6 27.1 40.7#

84 142.0 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 45.000 ug/l

RT: 8.434 min Scan# 2403

Delta R.T. 0.000 min

Lab File: VN070869.D

Acq: 1 Feb 2022 13:32

Instrument :

MSVOA_N

ClientSampleId :

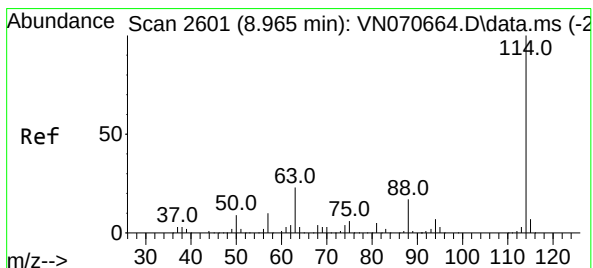
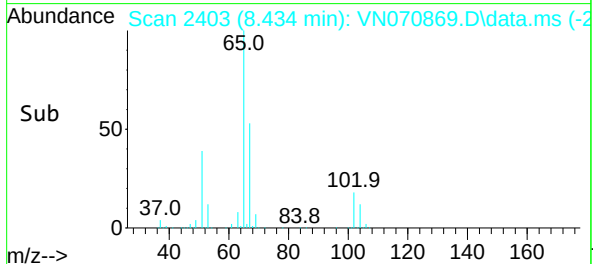
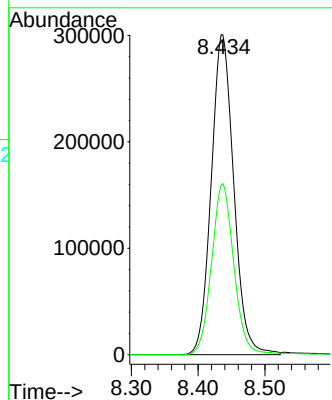
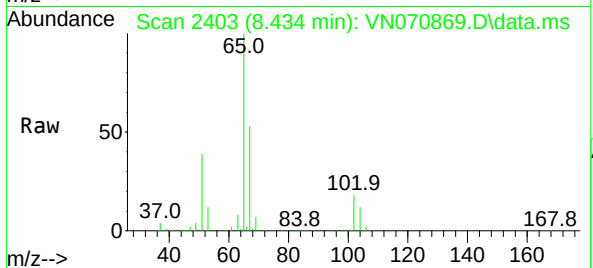
VN0201MBL01

Tgt Ion: 65 Resp: 704083

Ion Ratio Lower Upper

65 100

67 52.7 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.965 min Scan# 2601

Delta R.T. 0.000 min

Lab File: VN070869.D

Acq: 1 Feb 2022 13:32

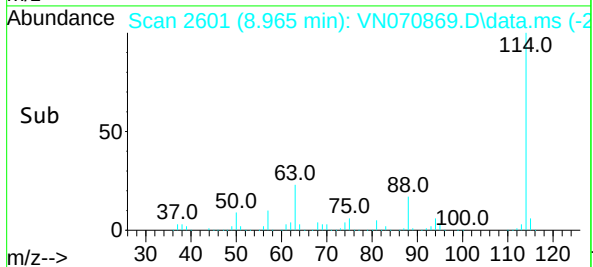
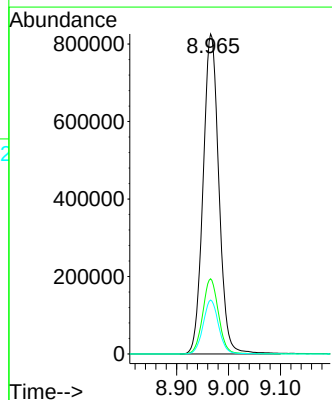
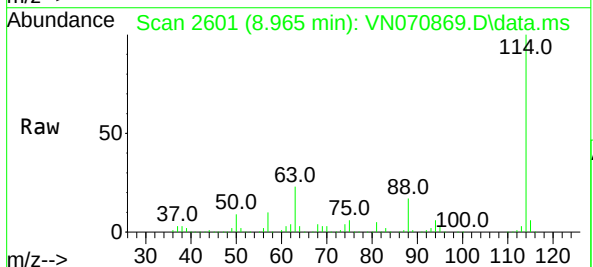
Tgt Ion: 114 Resp: 1742912

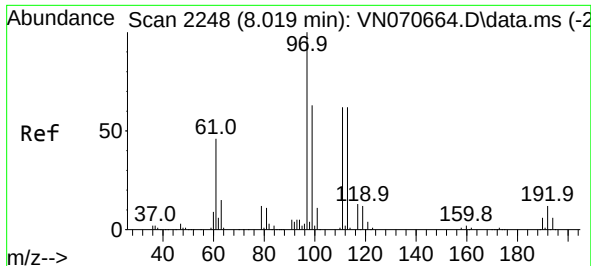
Ion Ratio Lower Upper

114 100

63 23.5 0.0 37.8

88 16.9 0.0 27.4

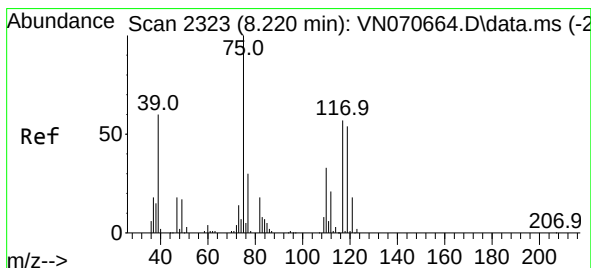
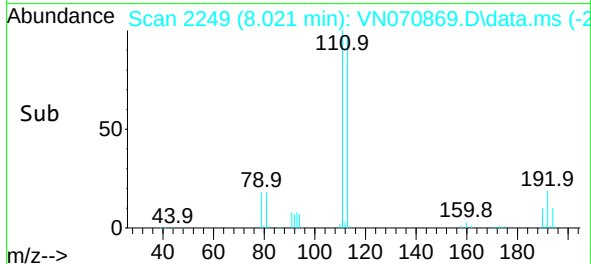
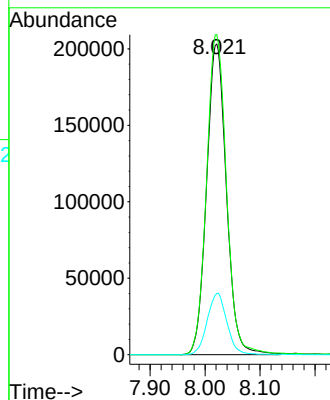
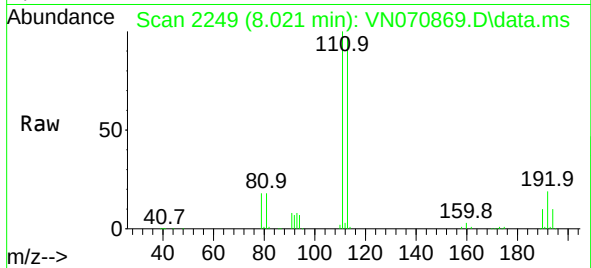




#35
Dibromofluoromethane
Concen: 47.114 ug/l
RT: 8.021 min Scan# 211
Delta R.T. 0.002 min
Lab File: VN070869.D
Acq: 1 Feb 2022 13:32

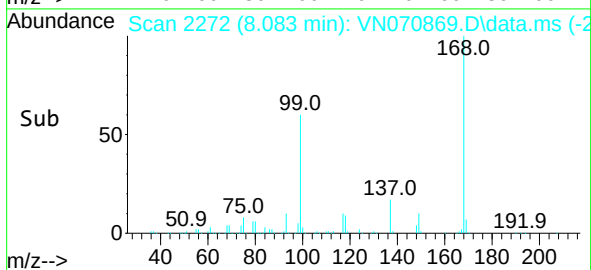
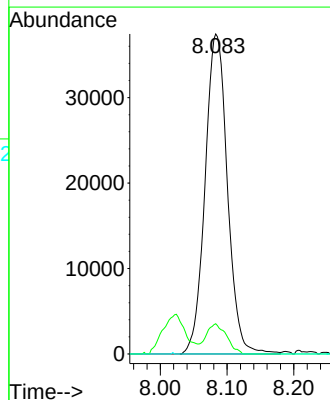
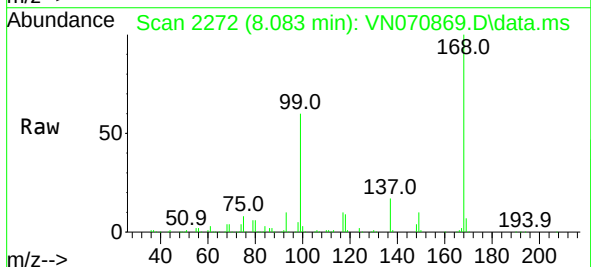
Instrument :
MSVOA_N
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VN0201MBL01

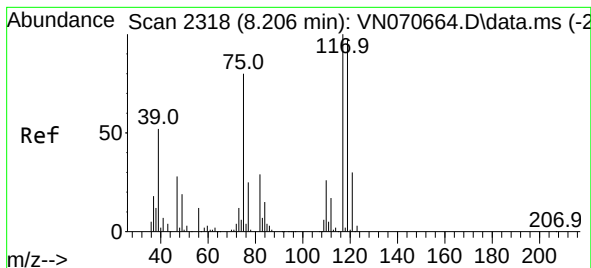
Tgt Ion:113 Resp: 509362
Ion Ratio Lower Upper
113 100
111 103.6 82.2 123.2
192 19.7 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.785 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.137 min
Lab File: VN070869.D
Acq: 1 Feb 2022 13:32

Tgt Ion: 75 Resp: 87082
Ion Ratio Lower Upper
75 100
110 8.6 18.4 55.2#
77 0.0 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 6.562 ug/l

RT: 8.083 min Scan# 21

Delta R.T. -0.123 min

Lab File: VN070869.D

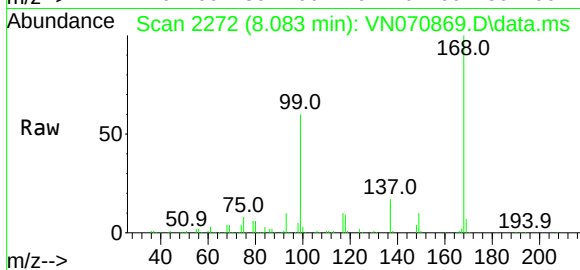
Acq: 1 Feb 2022 13:32

Instrument :

MSVOA_N

ClientSampleId :

VN0201MBL01



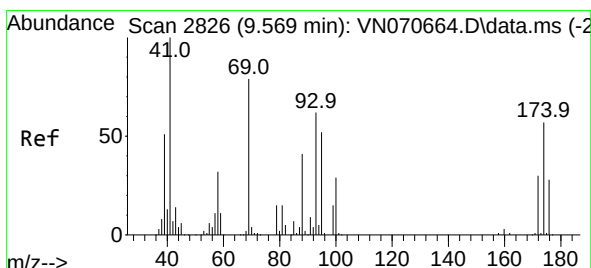
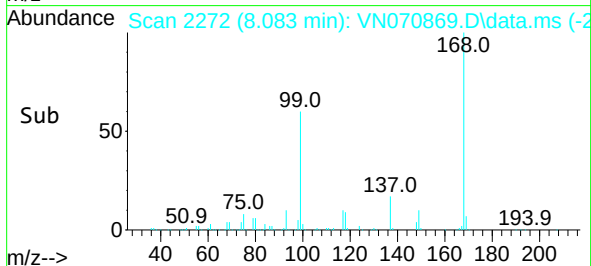
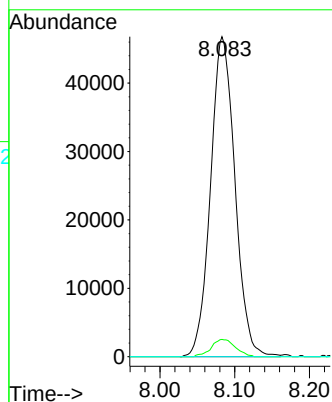
Tgt Ion:117 Resp: 106256

Ion Ratio Lower Upper

117 100

119 5.4 76.1 114.1#

121 0.0 24.2 36.2#



#49

1,4-Dioxane

Concen: 1.302 ug/l

RT: 9.577 min Scan# 2829

Delta R.T. 0.008 min

Lab File: VN070869.D

Acq: 1 Feb 2022 13:32

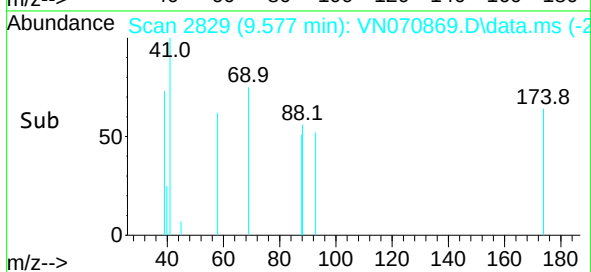
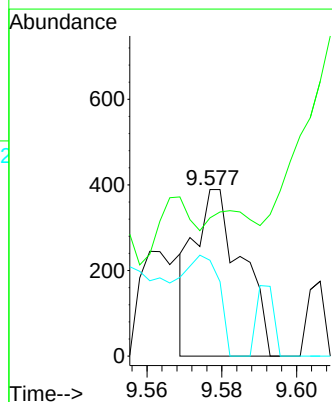
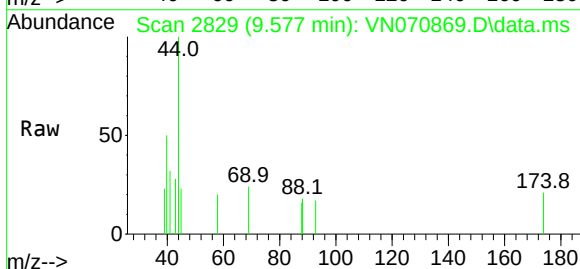
Tgt Ion: 88 Resp: 344

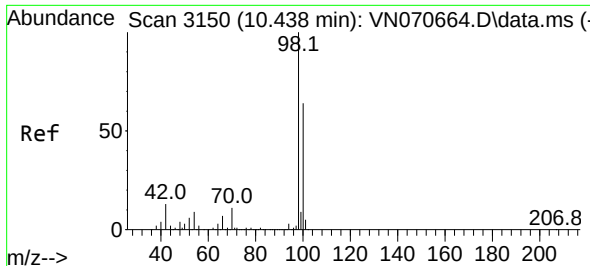
Ion Ratio Lower Upper

88 100

43 29.4 23.4 35.2

58 39.5 50.6 75.8#

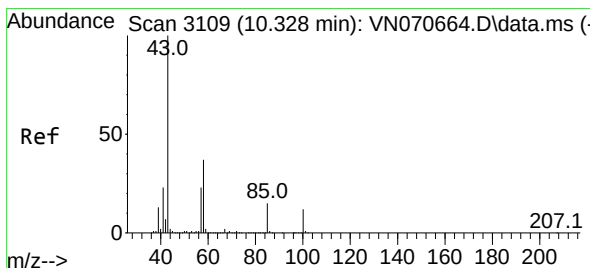
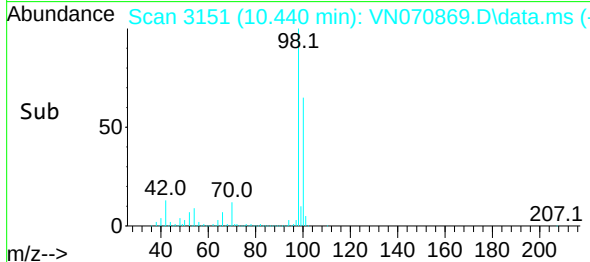
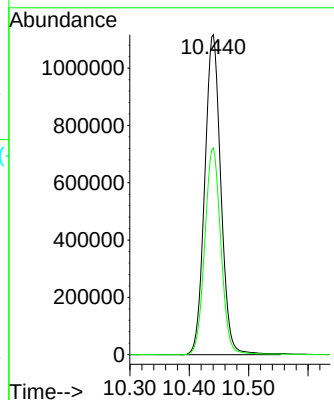
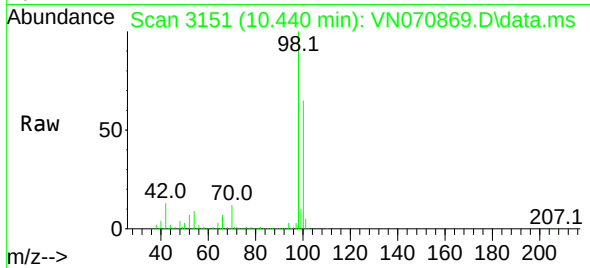




#50
Toluene-d8
Concen: 46.171 ug/l
RT: 10.440 min Scan# 3110
Delta R.T. 0.002 min
Lab File: VN070869.D
Acq: 1 Feb 2022 13:32

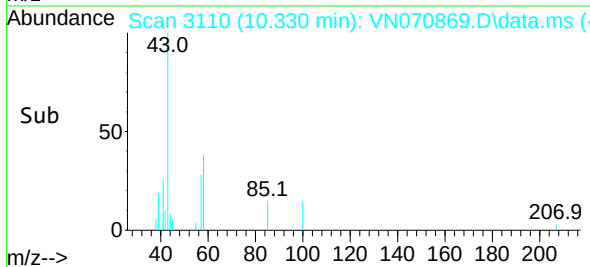
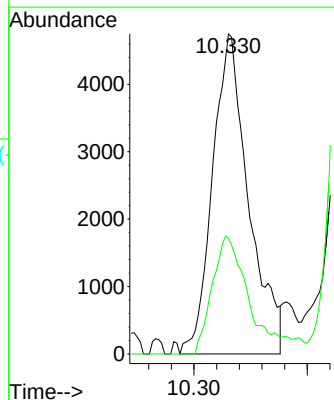
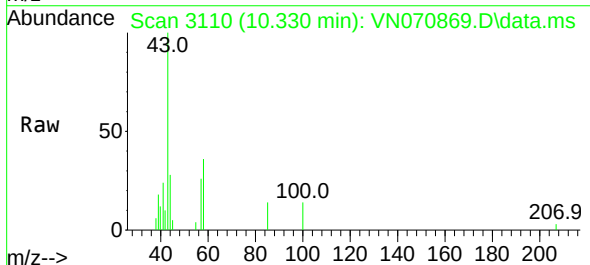
Instrument :
MSVOA_N
ClientSampleId :
VN0201MBL01

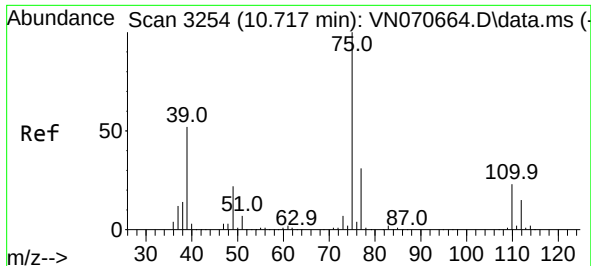
Tgt Ion: 98 Resp: 2102884
Ion Ratio Lower Upper
98 100
100 64.7 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.446 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. 0.002 min
Lab File: VN070869.D
Acq: 1 Feb 2022 13:32

Tgt Ion: 43 Resp: 10494
Ion Ratio Lower Upper
43 100
58 37.5 30.4 45.6

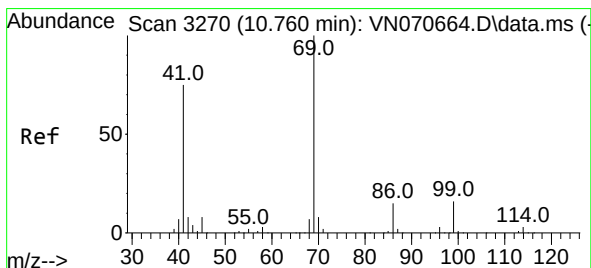
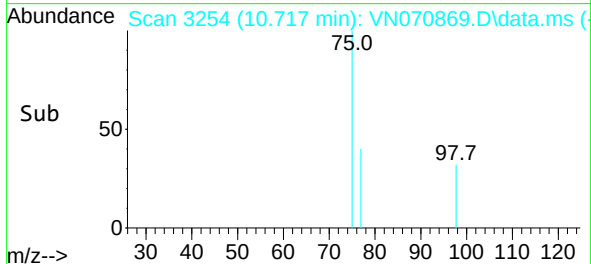
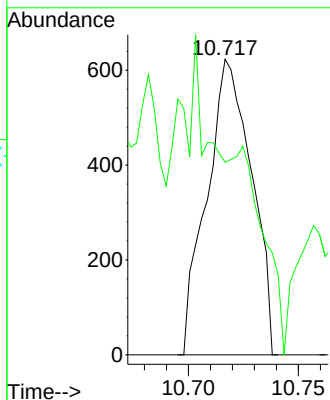
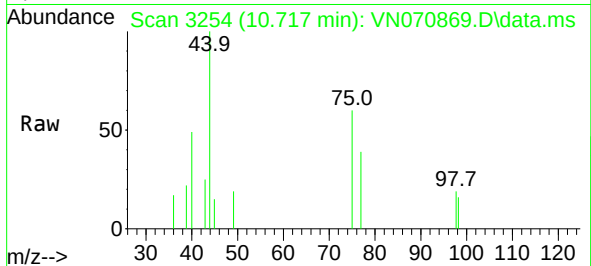




#53
t-1,3-Dichloropropene
Concen: 2.442 ug/l
RT: 10.717 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN070869.D
Acq: 1 Feb 2022 13:32

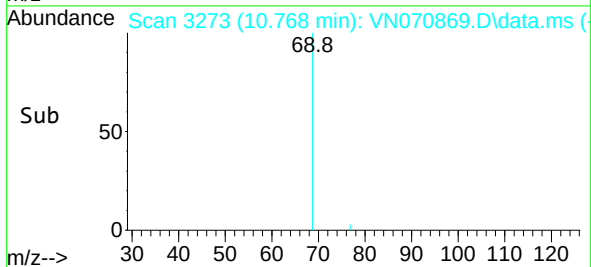
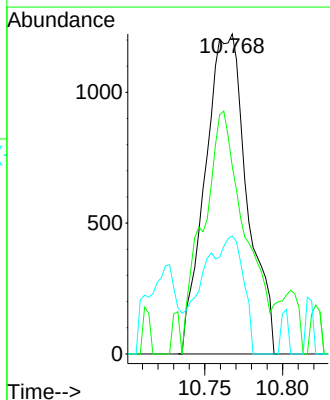
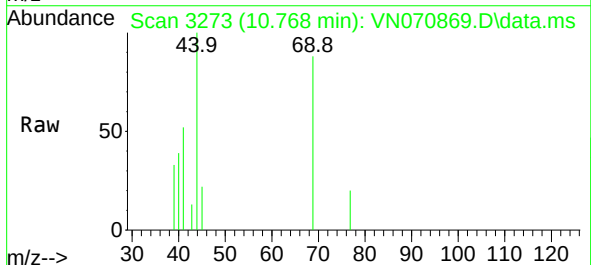
Instrument :
MSVOA_N
ClientSampleId :
VN0201MBL01

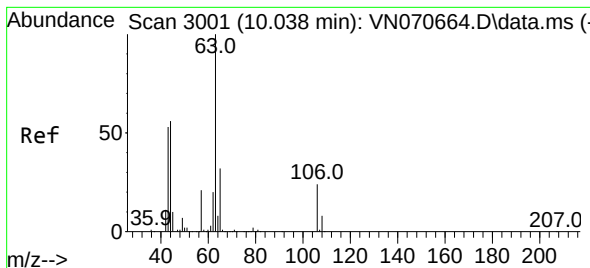
Tgt Ion: 75 Resp: 881
Ion Ratio Lower Upper
75 100
77 38.2 25.6 38.4



#56
Ethyl methacrylate
Concen: 2.388 ug/l
RT: 10.768 min Scan# 3273
Delta R.T. 0.008 min
Lab File: VN070869.D
Acq: 1 Feb 2022 13:32

Tgt Ion: 69 Resp: 2289
Ion Ratio Lower Upper
69 100
41 76.8 51.4 77.0
39 35.1 34.6 52.0

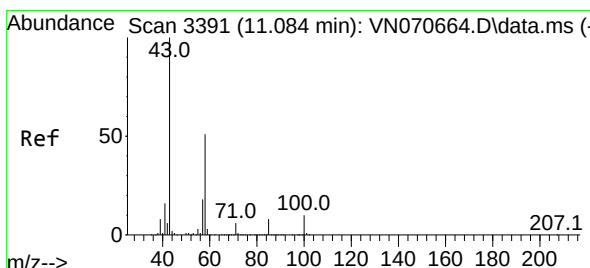
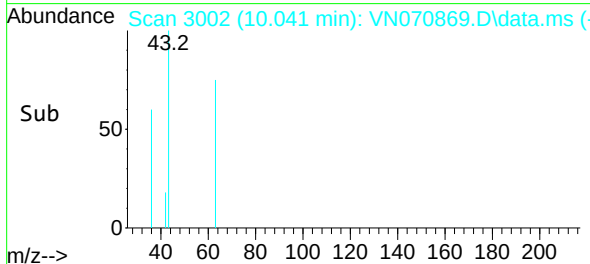
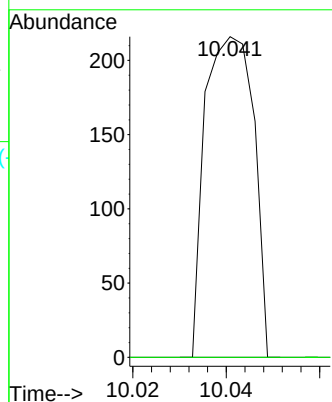
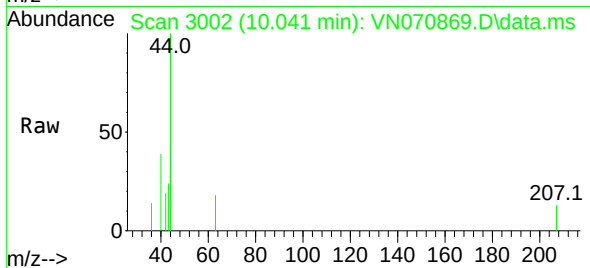




#58
2-Chloroethyl Vinyl ether
Concen: 21.259 ug/l
RT: 10.041 min Scan# 3001
Delta R.T. 0.003 min
Lab File: VN070869.D
Acq: 1 Feb 2022 13:32

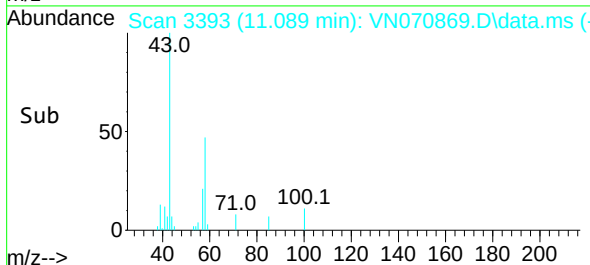
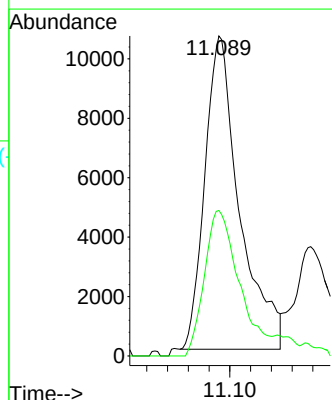
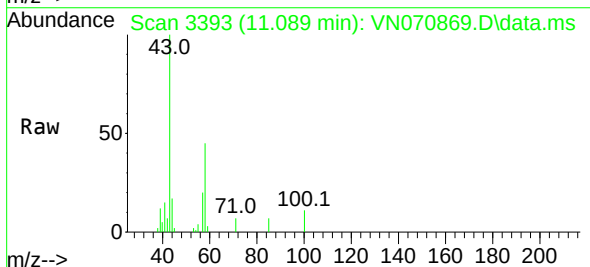
Instrument :
MSVOA_N
ClientSampleId :
VN0201MBL01

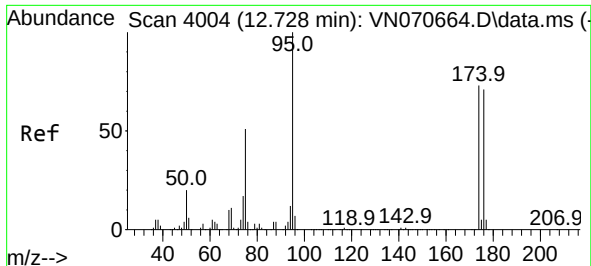
Tgt Ion: 63 Resp: 156
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#59
2-Hexanone
Concen: 1.427 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.005 min
Lab File: VN070869.D
Acq: 1 Feb 2022 13:32

Tgt Ion: 43 Resp: 24418
Ion Ratio Lower Upper
43 100
58 46.9 26.9 80.7

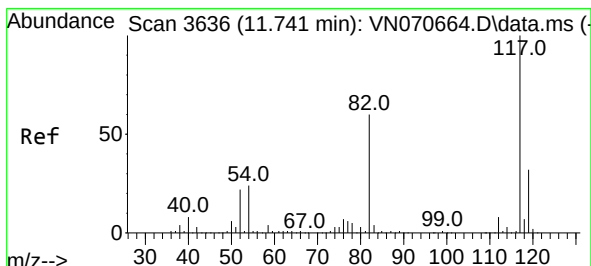
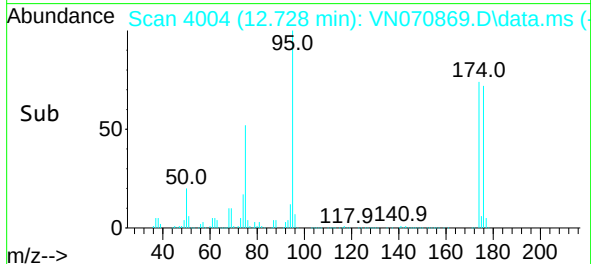
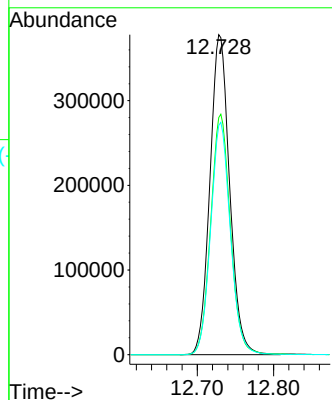
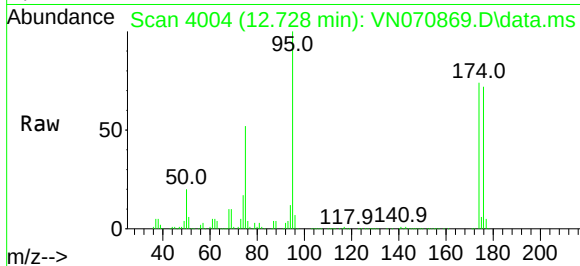




#62
4-Bromofluorobenzene
Concen: 41.789 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.000 min
Lab File: VN070869.D
Acq: 1 Feb 2022 13:32

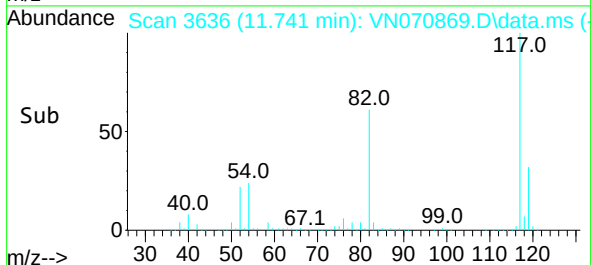
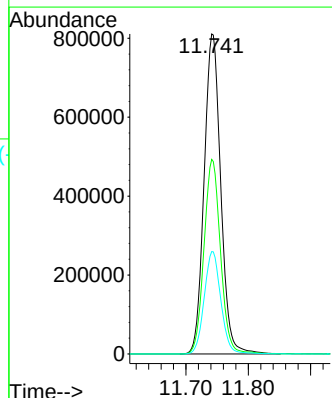
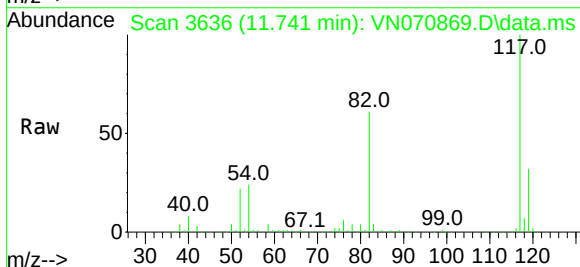
Instrument :
MSVOA_N
ClientSampleId :
VN0201MBL01

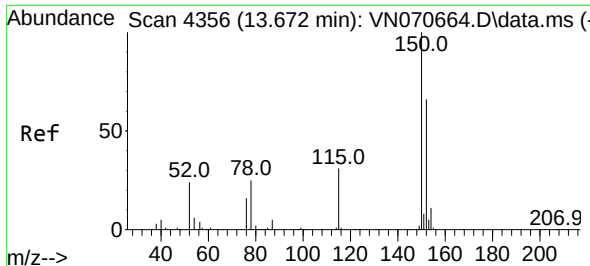
Tgt Ion: 95 Resp: 678225
Ion Ratio Lower Upper
95 100
174 75.3 0.0 187.2
176 72.4 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.741 min Scan# 3636
Delta R.T. 0.000 min
Lab File: VN070869.D
Acq: 1 Feb 2022 13:32

Tgt Ion: 117 Resp: 1503974
Ion Ratio Lower Upper
117 100
82 60.8 42.4 63.6
119 32.0 25.4 38.2

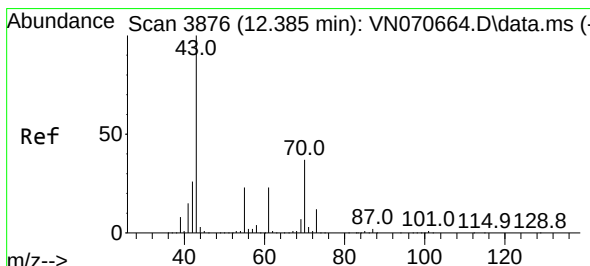
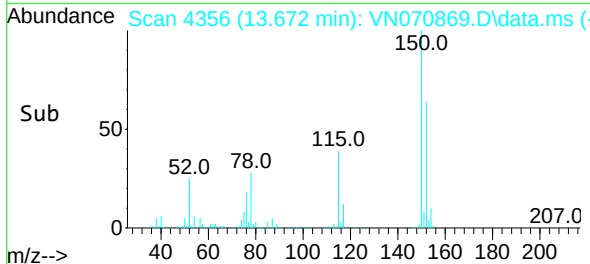
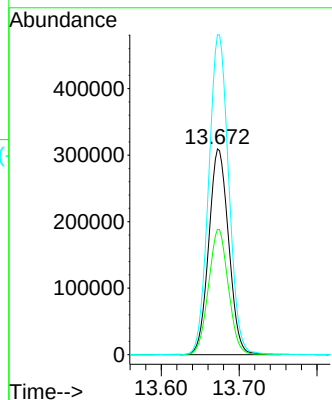
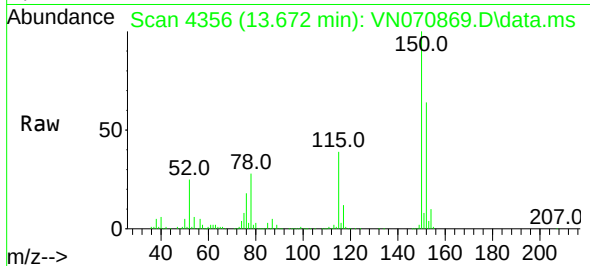




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.672 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN070869.D
Acq: 1 Feb 2022 13:32

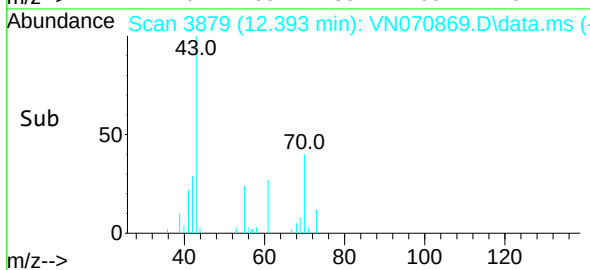
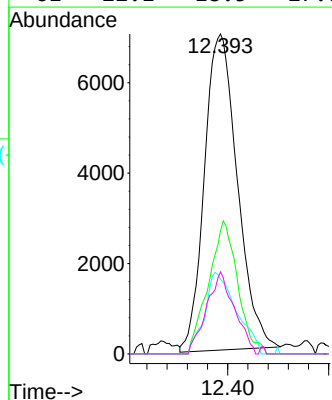
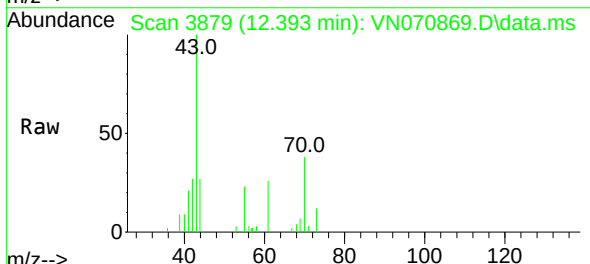
Instrument :
MSVOA_N
ClientSampleId :
VN0201MBL01

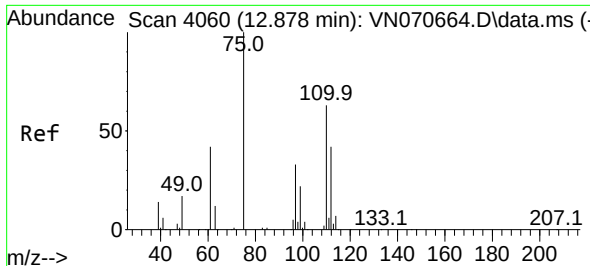
Tgt Ion:152 Resp: 548816
Ion Ratio Lower Upper
152 100
115 60.6 27.5 82.5
150 155.9 0.0 344.4



#74
N-ethyl acetate
Concen: 0.745 ug/l
RT: 12.393 min Scan# 3879
Delta R.T. 0.008 min
Lab File: VN070869.D
Acq: 1 Feb 2022 13:32

Tgt Ion: 43 Resp: 15825
Ion Ratio Lower Upper
43 100
70 37.2 33.4 50.0
55 24.7 19.3 28.9
61 22.1 18.5 27.7

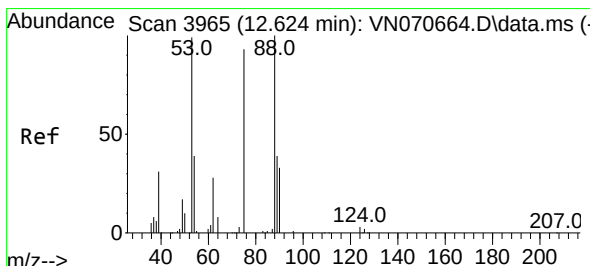
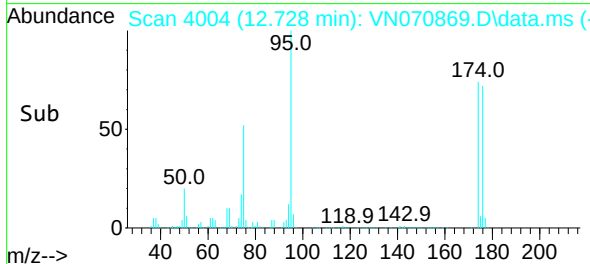
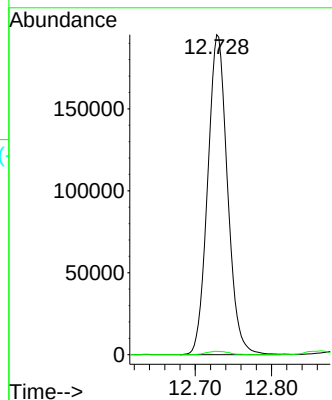
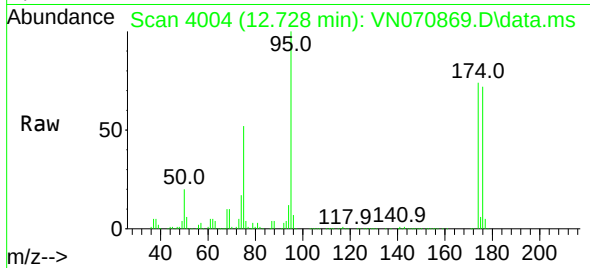




#76
1,2,3-Trichloropropane
Concen: 24.173 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. -0.150 min
Lab File: VN070869.D
Acq: 1 Feb 2022 13:32

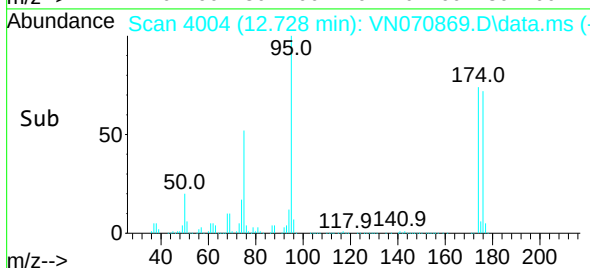
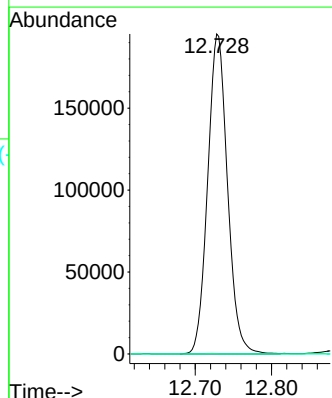
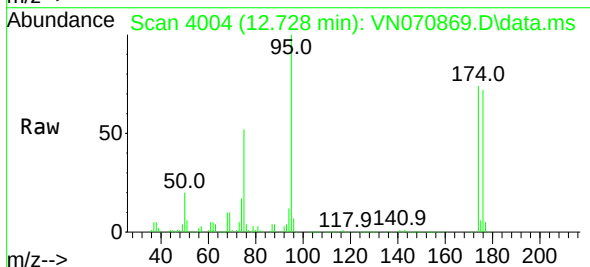
Instrument :
MSVOA_N
ClientSampleId :
VN0201MBL01

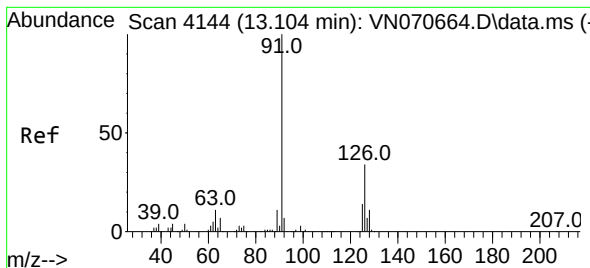
Tgt Ion: 75 Resp: 351867
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.016 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.104 min
Lab File: VN070869.D
Acq: 1 Feb 2022 13:32

Tgt Ion: 75 Resp: 351867
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#





#82

4-Chlorotoluene

Concen: 0.239 ug/l

RT: 13.106 min Scan# 4144

Delta R.T. 0.002 min

Lab File: VN070869.D

Acq: 1 Feb 2022 13:32

Instrument :

MSVOA_N

ClientSampleId :

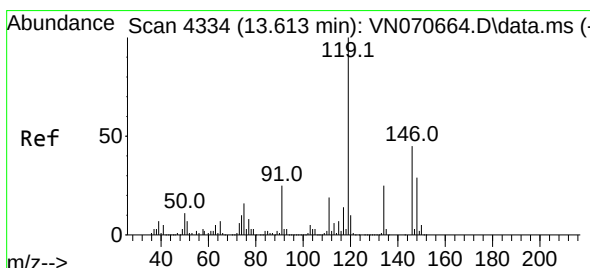
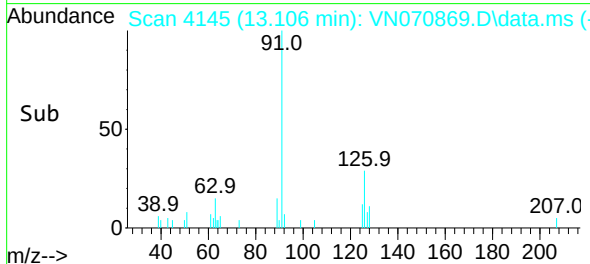
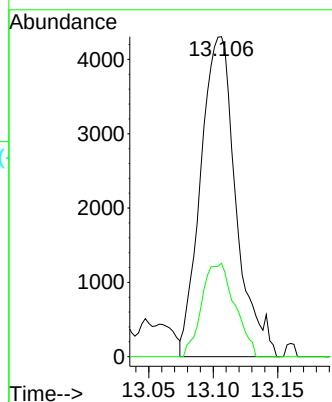
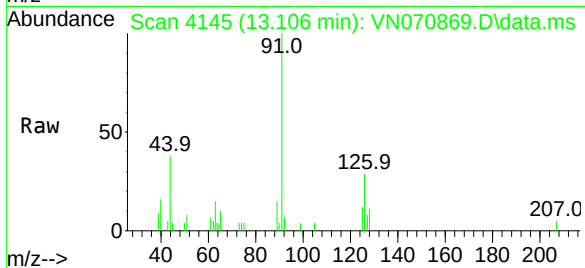
VN0201MBL01

Tgt Ion: 91 Resp: 8218

Ion Ratio Lower Upper

91 100

126 27.3 18.2 54.6



#87

1,3-Dichlorobenzene

Concen: 0.325 ug/l

RT: 13.611 min Scan# 4333

Delta R.T. -0.002 min

Lab File: VN070869.D

Acq: 1 Feb 2022 13:32

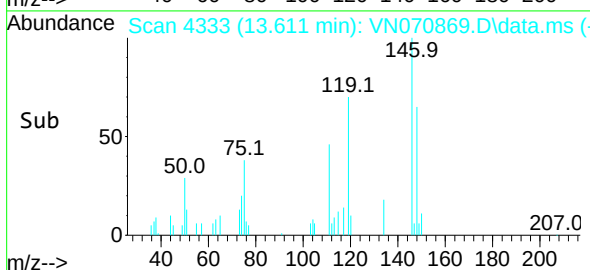
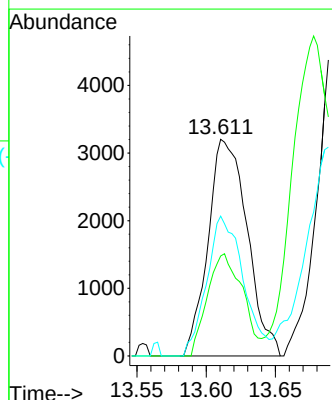
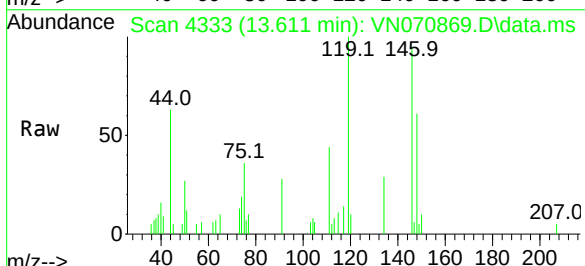
Tgt Ion: 146 Resp: 6298

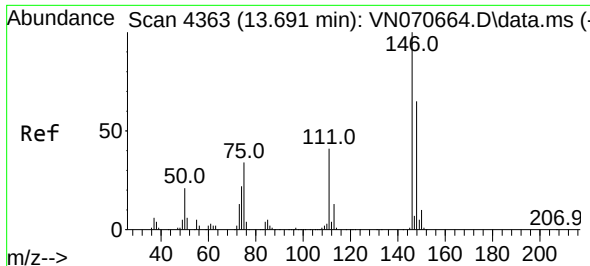
Ion Ratio Lower Upper

146 100

111 42.9 18.6 55.6

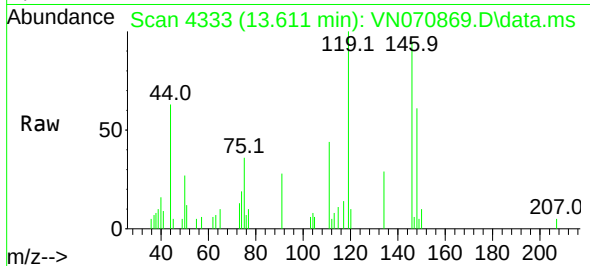
148 60.4 31.6 95.0



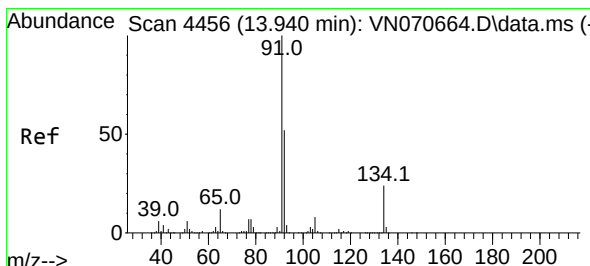
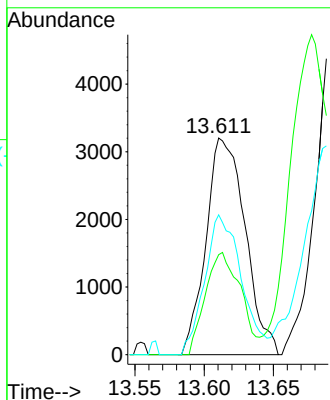
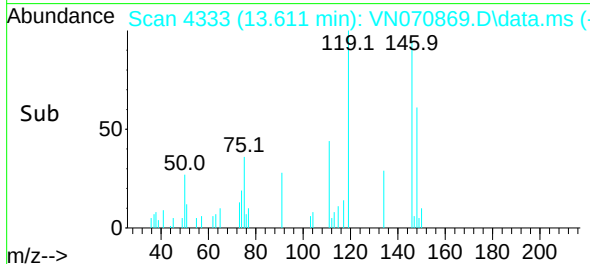


#88
1,4-Dichlorobenzene
Concen: 0.327 ug/l
RT: 13.611 min Scan# 4333
Delta R.T. -0.081 min
Lab File: VN070869.D
Acq: 1 Feb 2022 13:32

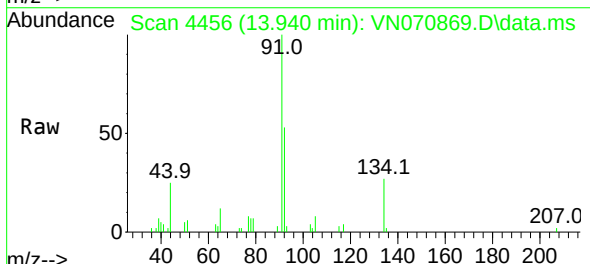
Instrument :
MSVOA_N
ClientSampleId :
VN0201MBL01



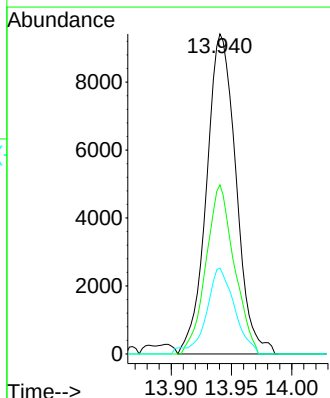
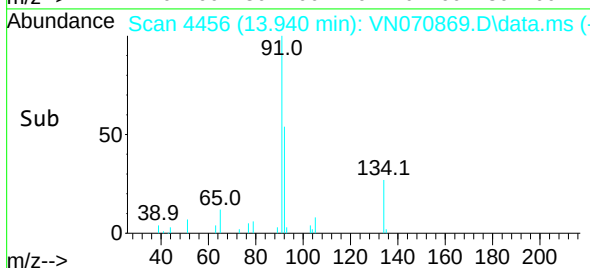
Tgt Ion:146 Resp: 6298
Ion Ratio Lower Upper
146 100
111 42.9 18.3 54.8
148 60.4 31.8 95.4

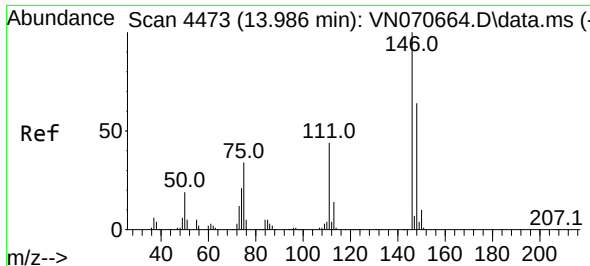


#89
n-Butylbenzene
Concen: 0.497 ug/l
RT: 13.940 min Scan# 4456
Delta R.T. 0.000 min
Lab File: VN070869.D
Acq: 1 Feb 2022 13:32



Tgt Ion: 91 Resp: 15993
Ion Ratio Lower Upper
91 100
92 50.6 25.4 76.0
134 25.5 13.6 40.8

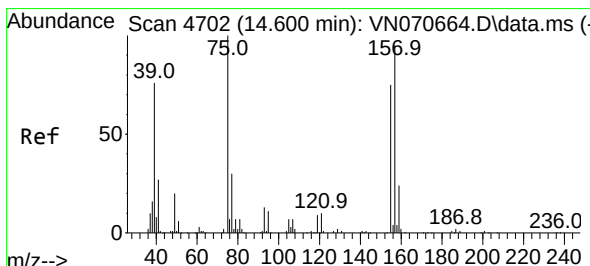
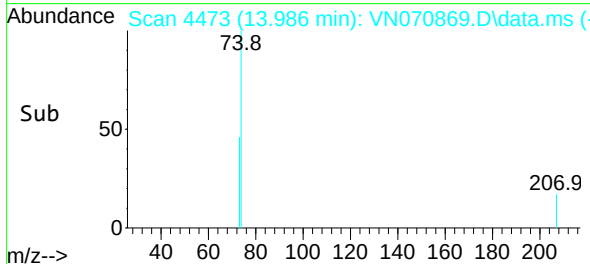
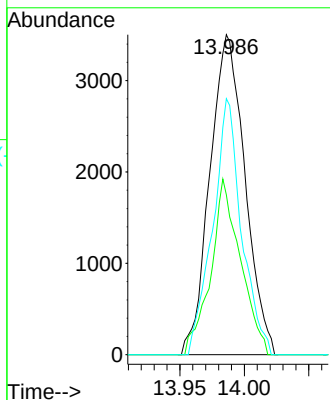
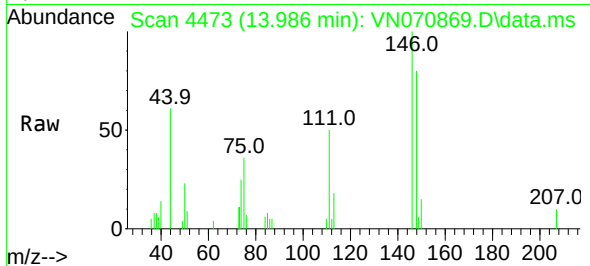




#91
1,2-Dichlorobenzene
Concen: 0.347 ug/l
RT: 13.986 min Scan# 4473
Delta R.T. -0.000 min
Lab File: VN070869.D
Acq: 1 Feb 2022 13:32

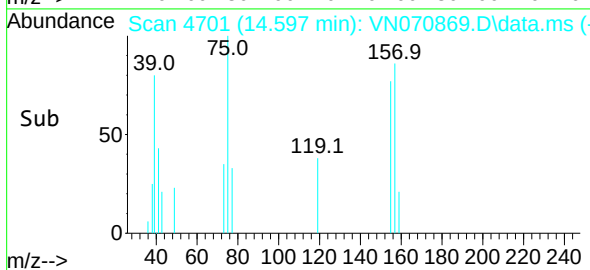
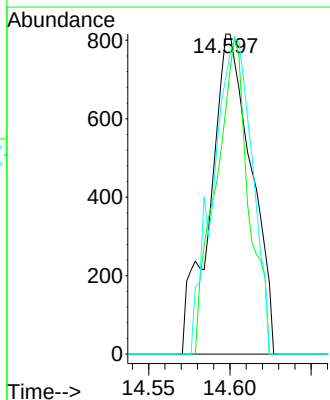
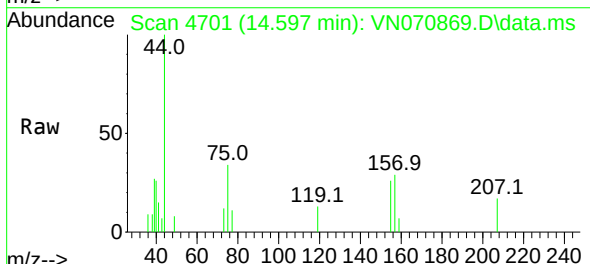
Instrument :
MSVOA_N
ClientSampleId :
VN0201MBL01

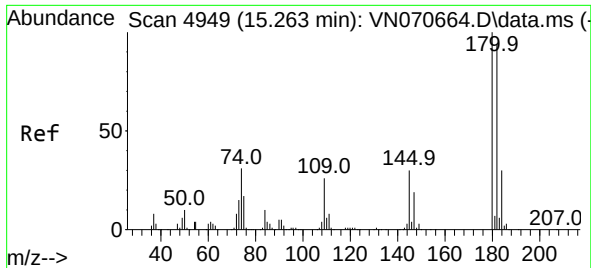
Tgt Ion:146 Resp: 6633
Ion Ratio Lower Upper
146 100
111 46.4 19.1 57.3
148 65.8 32.1 96.3



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.484 ug/l
RT: 14.597 min Scan# 4701
Delta R.T. -0.003 min
Lab File: VN070869.D
Acq: 1 Feb 2022 13:32

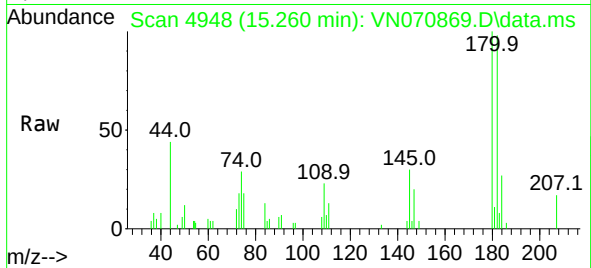
Tgt Ion: 75 Resp: 1441
Ion Ratio Lower Upper
75 100
155 78.3 46.9 140.7
157 93.1 60.6 181.7



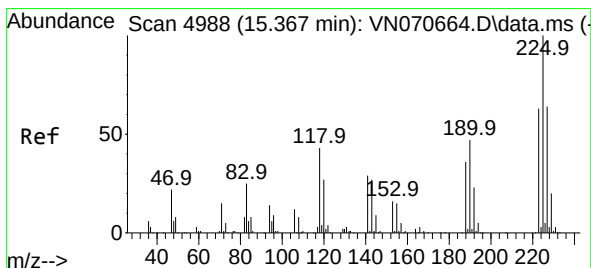
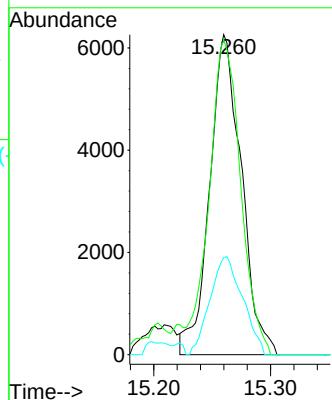
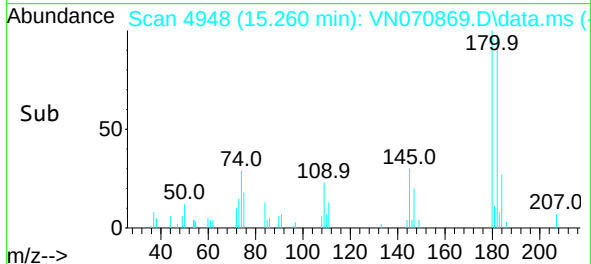


#93
 1,2,4-Trichlorobenzene
 Concen: 4.509 ug/l
 RT: 15.260 min Scan# 4949
 Delta R.T. -0.003 min
 Lab File: VN070869.D
 Acq: 1 Feb 2022 13:32

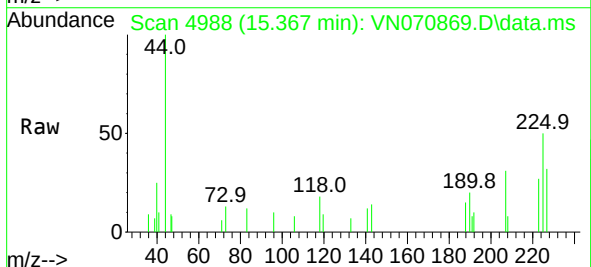
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0201MBL01



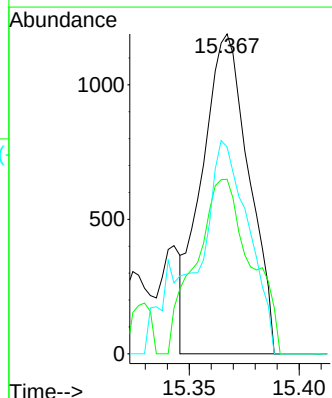
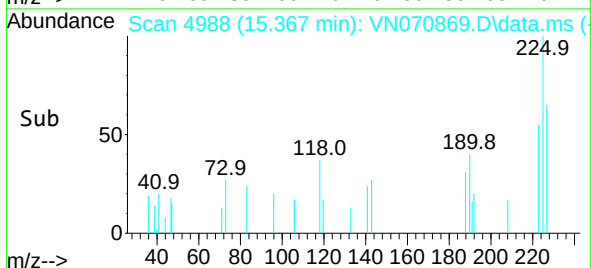
Tgt Ion:180 Resp: 11797
 Ion Ratio Lower Upper
 180 100
 182 97.5 48.3 144.9
 145 31.5 14.5 43.5

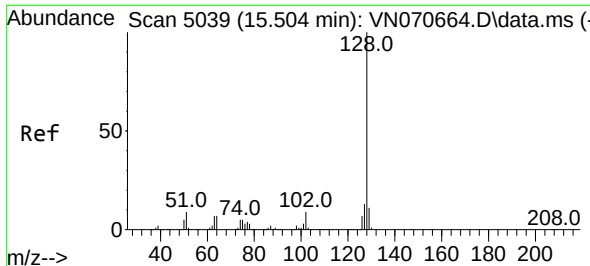


#94
 Hexachlorobutadiene
 Concen: 0.312 ug/l
 RT: 15.367 min Scan# 4988
 Delta R.T. 0.000 min
 Lab File: VN070869.D
 Acq: 1 Feb 2022 13:32



Tgt Ion:225 Resp: 1768
 Ion Ratio Lower Upper
 225 100
 223 63.8 31.9 95.7
 227 55.7 32.1 96.3

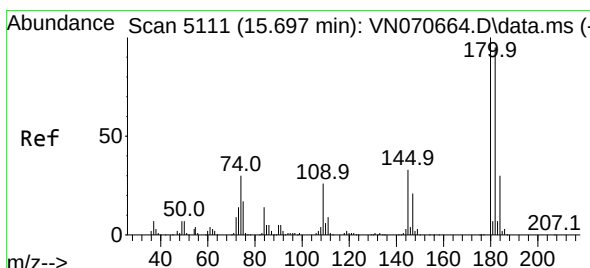
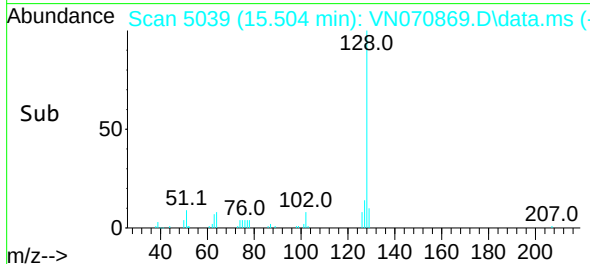
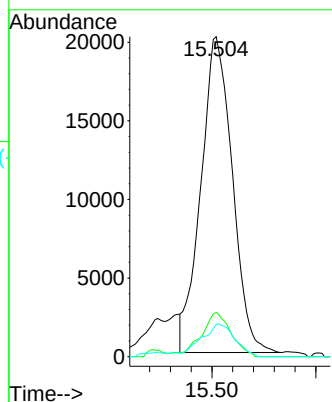
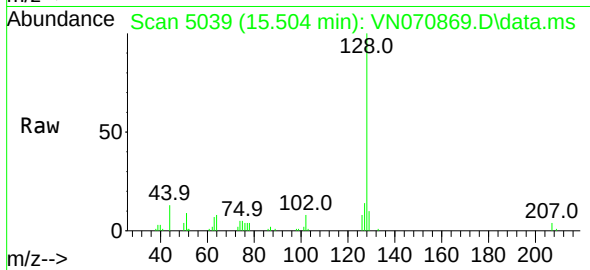




#95
Naphthalene
Concen: 6.290 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. -0.000 min
Lab File: VN070869.D
Acq: 1 Feb 2022 13:32

Instrument :
MSVOA_N
ClientSampleId :
VN0201MBL01

Tgt Ion:128 Resp: 42364
Ion Ratio Lower Upper
128 100
127 13.0 10.5 15.7
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 4.762 ug/l
RT: 15.697 min Scan# 5111
Delta R.T. 0.000 min
Lab File: VN070869.D
Acq: 1 Feb 2022 13:32

Tgt Ion:180 Resp: 16017
Ion Ratio Lower Upper
180 100
182 96.1 47.4 142.2
145 28.8 15.0 45.1

