

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
 Data File : VN084743.D
 Acq On : 08 Nov 2024 12:31
 Operator : JC\MD
 Sample : PB164695TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB164695TB

Quant Time: Nov 08 22:29:44 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)

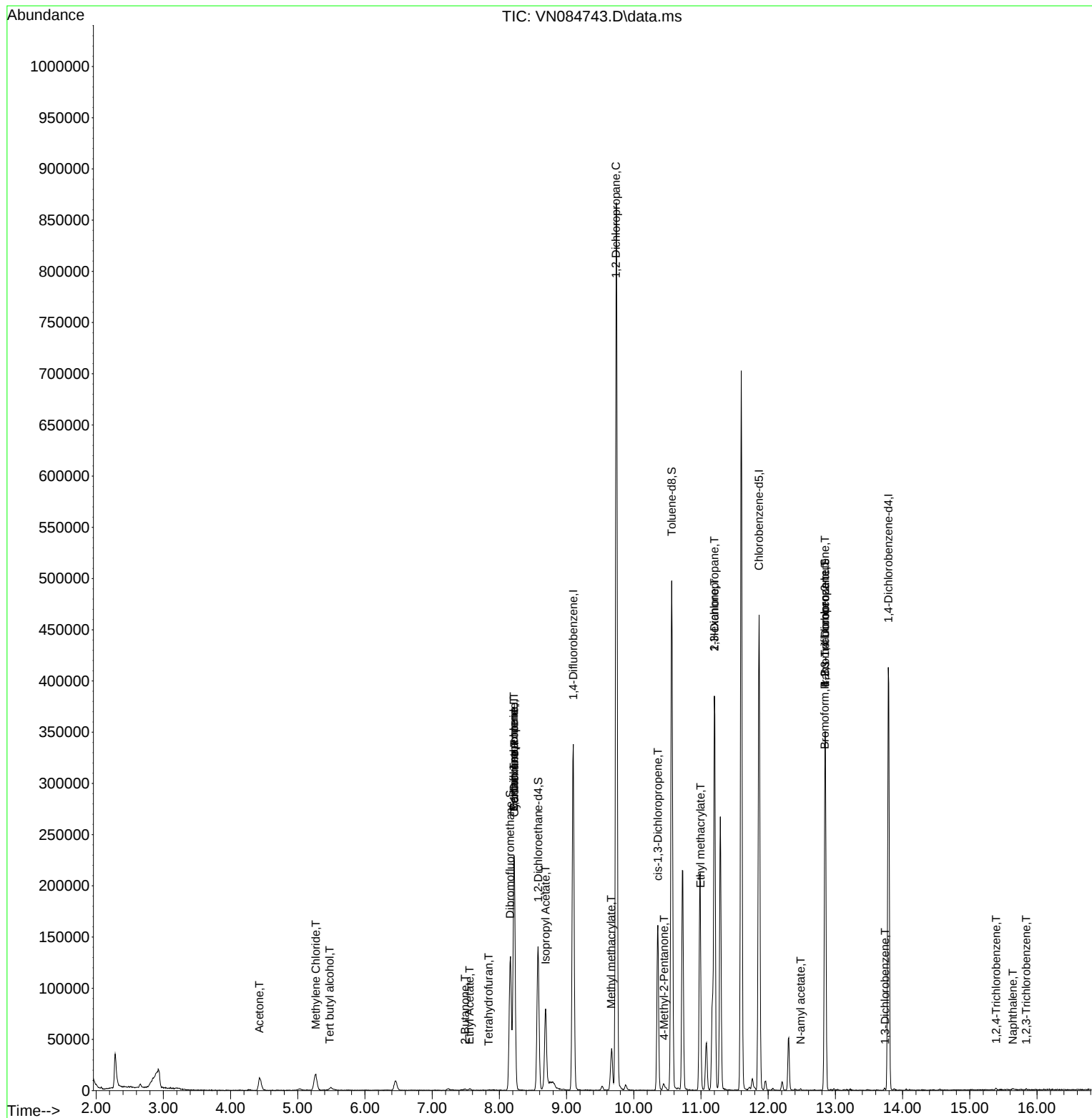
Internal Standards						
1) Pentafluorobenzene	8.218	168	166539	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	287862	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	263398	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	111443	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	115641	48.076	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.160%		
35) Dibromofluoromethane	8.159	113	93696	48.087	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.180%		
50) Toluene-d8	10.565	98	346250	48.241	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.480%		
62) 4-Bromofluorobenzene	12.847	95	127095	47.379	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	94.760%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	717	Below Cal	#	41
6) Chloroethane	3.106	64	277	Below Cal	#	45
11) Tert butyl alcohol	5.477	59	1310	4.126	ug/l #	73
16) Acetone	4.430	43	23804	31.769	ug/l	99
18) Methyl Acetate	5.030	43	3180	Below Cal	#	66
20) Methylene Chloride	5.271	84	12568	5.941	ug/l	89
25) 2-Butanone	7.489	43	2215	1.974	ug/l #	84
29) Tetrahydrofuran	7.841	42	412	0.553	ug/l #	34
31) Cyclohexane	8.224	56	3369	1.014	ug/l #	11
36) 1,1-Dichloropropene	8.218	75	13853	5.126	ug/l #	51
37) Ethyl Acetate	7.559	43	2410	0.983	ug/l #	84
38) Carbon Tetrachloride	8.218	117	17599	5.827	ug/l #	17
43) Isopropyl Acetate	8.688	43	93163	19.989	ug/l #	92
45) 1,2-Dichloropropane	9.735	63	1093	0.537	ug/l #	44
48) Methyl methacrylate	9.665	41	2679	1.404	ug/l #	40
51) 4-Methyl-2-Pentanone	10.453	43	4559	1.951	ug/l	93
54) cis-1,3-Dichloropropene	10.359	75	30041	9.056	ug/l #	63
56) Ethyl methacrylate	10.994	69	1014	0.367	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4241	1.293	ug/l #	42
59) 2-Hexanone	11.200	43	48077	28.260	ug/l #	55
71) Bromoform	12.841	173	361	0.234	ug/l #	1
74) N-amyl acetate	12.482	43	732	0.220	ug/l #	47
76) 1,2,3-Trichloropropane	12.847	75	64999	29.178	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	64999	69.221	ug/l #	11
87) 1,3-Dichlorobenzene	13.741	146	820	0.200	ug/l	94
88) 1,4-Dichlorobenzene	13.741	146	820	Below Cal		95
93) 1,2,4-Trichlorobenzene	15.394	180	704	0.327	ug/l #	79
95) Naphthalene	15.641	128	1675	0.260	ug/l #	74
96) 1,2,3-Trichlorobenzene	15.841	180	517	0.247	ug/l	67

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

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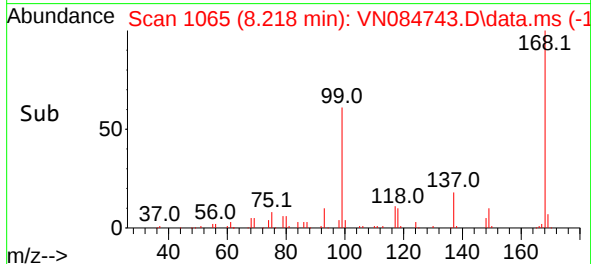
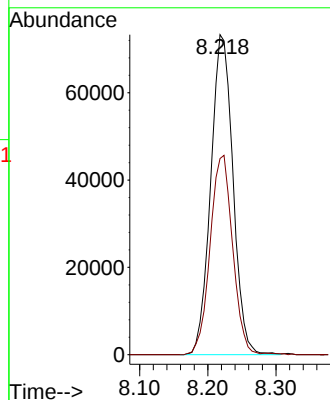
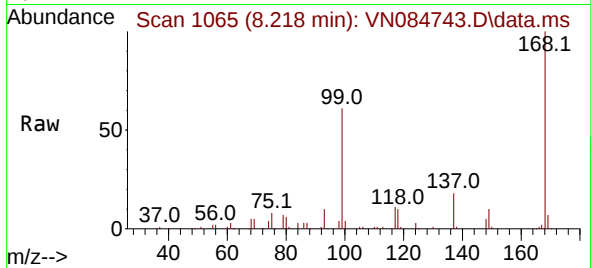




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN084743.D
Acq: 08 Nov 2024 12:31

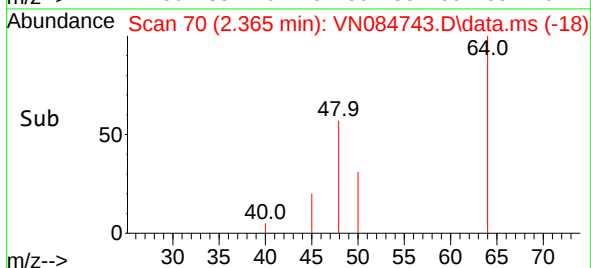
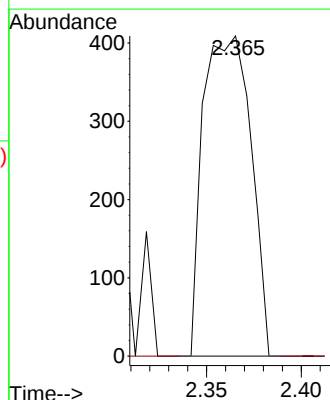
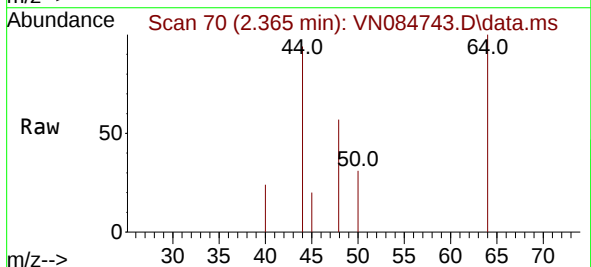
Instrument :
MSVOA_N
ClientSampleId :
PB164695TB

Tgt Ion:168 Resp: 166539
Ion Ratio Lower Upper
168 100
99 61.3 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084743.D
Acq: 08 Nov 2024 12:31

Tgt Ion: 50 Resp: 717
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

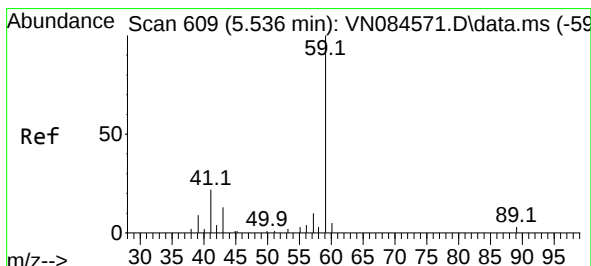
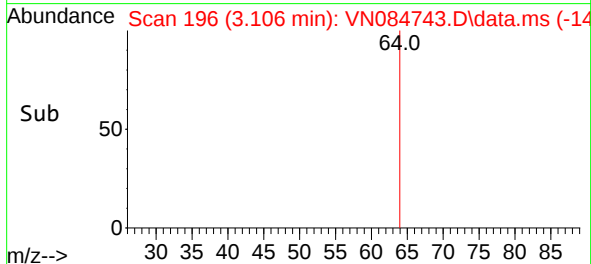
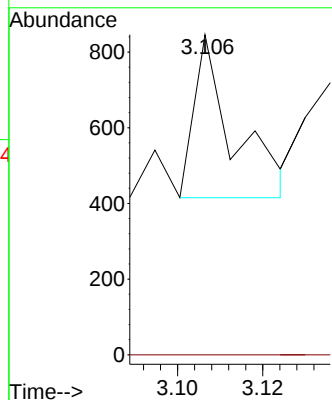
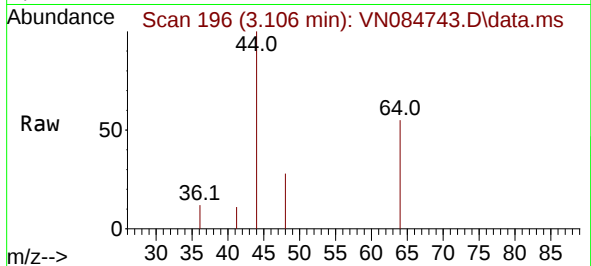




#6
Chloroethane
Concen: Below Cal
RT: 3.106 min Scan# 196
Delta R.T. -0.012 min
Lab File: VN084743.D
Acq: 08 Nov 2024 12:31

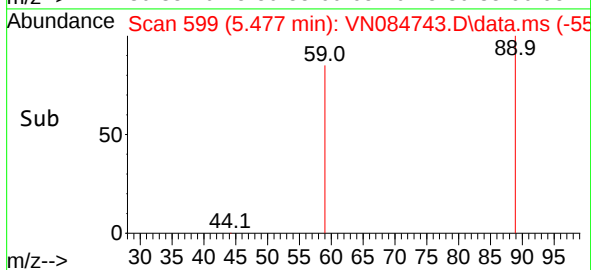
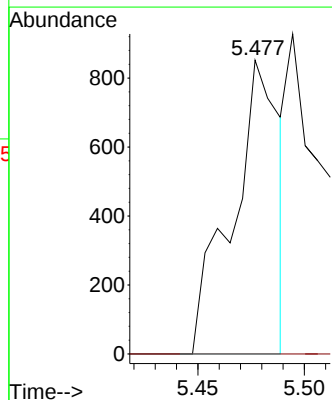
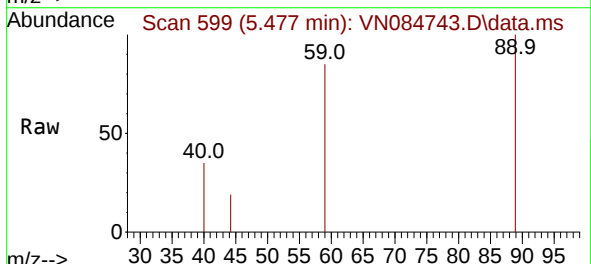
Instrument :
MSVOA_N
ClientSampleId :
PB164695TB

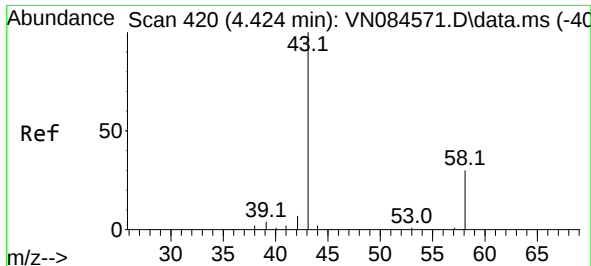
Tgt Ion: 64 Resp: 277
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 4.126 ug/l
RT: 5.477 min Scan# 599
Delta R.T. -0.047 min
Lab File: VN084743.D
Acq: 08 Nov 2024 12:31

Tgt Ion: 59 Resp: 1310
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

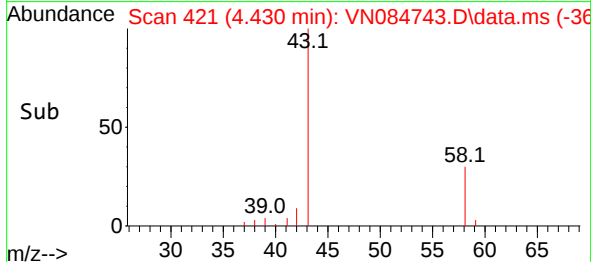
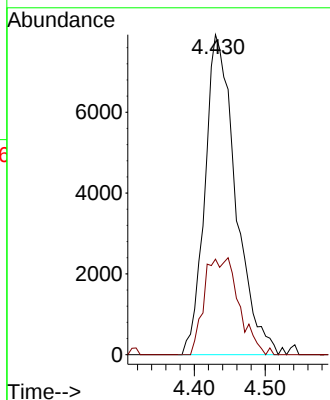
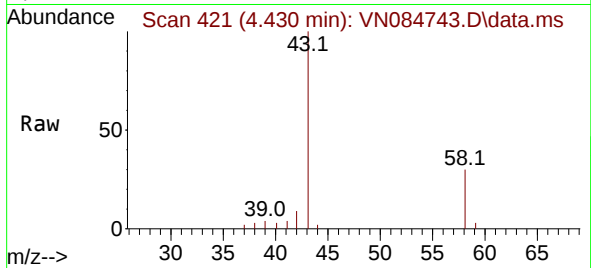




#16
Acetone
Concen: 31.769 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN084743.D
Acq: 08 Nov 2024 12:31

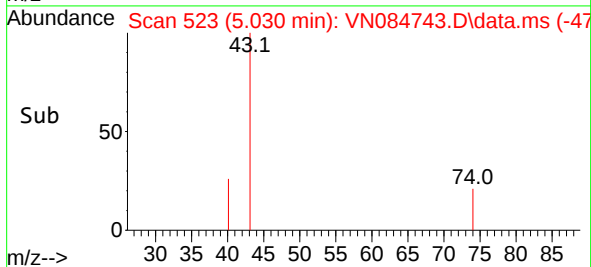
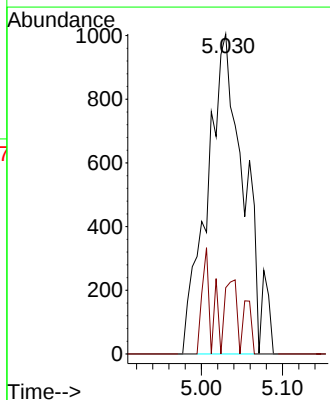
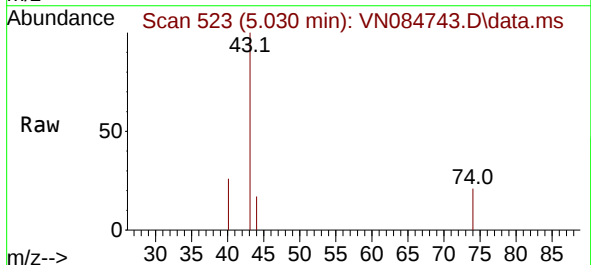
Instrument :
MSVOA_N
ClientSampleId :
PB164695TB

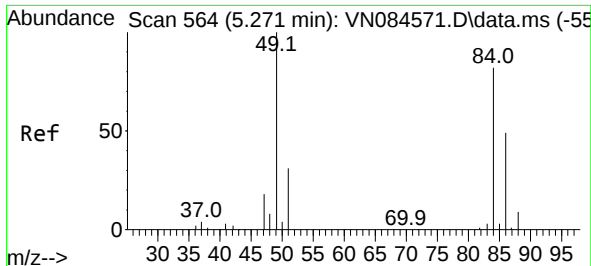
Tgt Ion: 43 Resp: 23804
Ion Ratio Lower Upper
43 100
58 29.8 24.4 36.6



#18
Methyl Acetate
Concen: Below Cal
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN084743.D
Acq: 08 Nov 2024 12:31

Tgt Ion: 43 Resp: 3180
Ion Ratio Lower Upper
43 100
74 7.4 19.2 28.8#

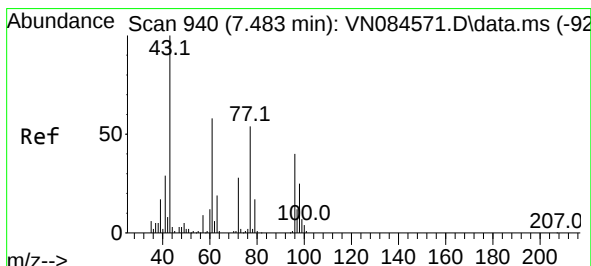
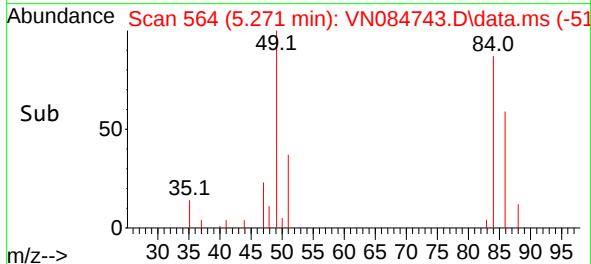
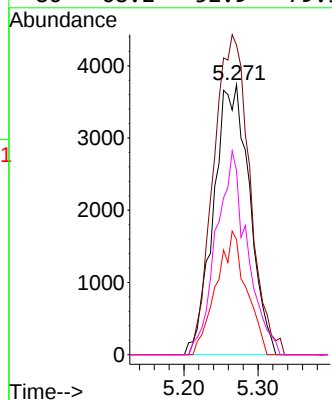
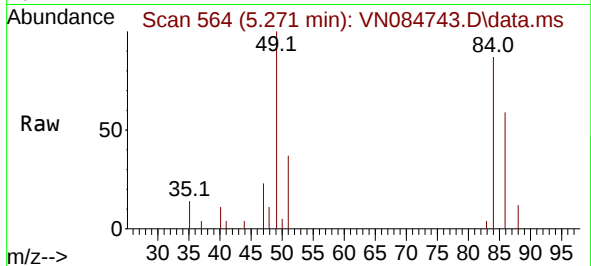




#20
Methylene Chloride
Concen: 5.941 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN084743.D
Acq: 08 Nov 2024 12:31

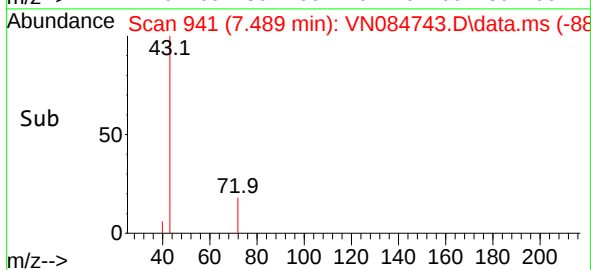
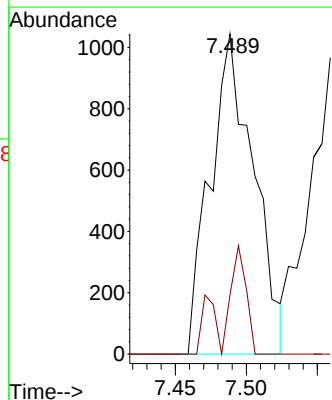
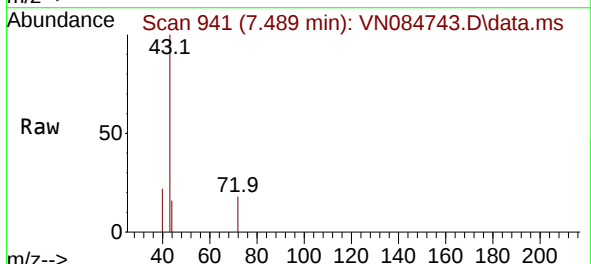
Instrument :
MSVOA_N
ClientSampleId :
PB164695TB

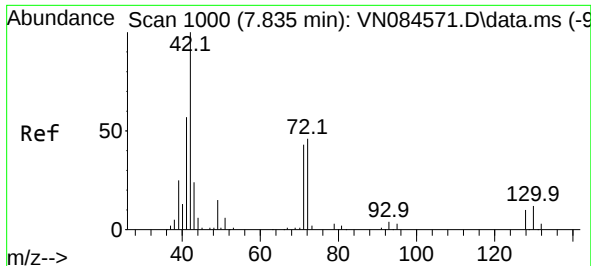
Tgt Ion:	84	Resp:	12568
Ion	Ratio	Lower	Upper
84	100		
49	114.7	107.2	160.8
51	42.7	31.8	47.8
86	68.2	52.9	79.3



#25
2-Butanone
Concen: 1.974 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN084743.D
Acq: 08 Nov 2024 12:31

Tgt Ion:	43	Resp:	2215
Ion	Ratio	Lower	Upper
43	100		
72	18.5	21.4	32.2#





#29

Tetrahydrofuran

Concen: 0.553 ug/l

RT: 7.841 min Scan# 1066

Delta R.T. 0.006 min

Lab File: VN084743.D

Acq: 08 Nov 2024 12:31

Instrument :

MSVOA_N

ClientSampleId :

PB164695TB

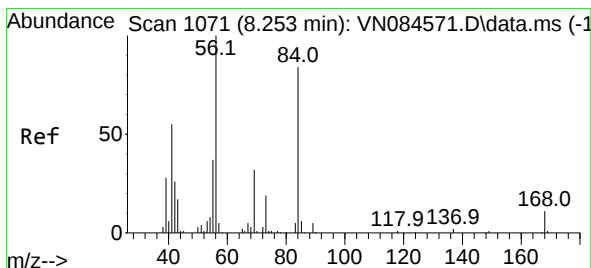
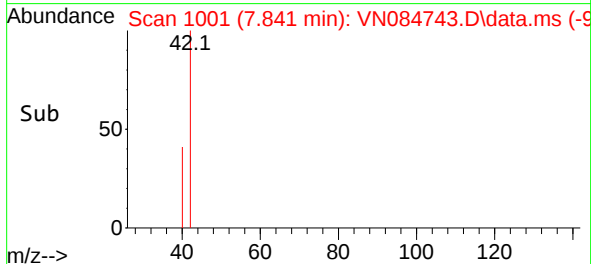
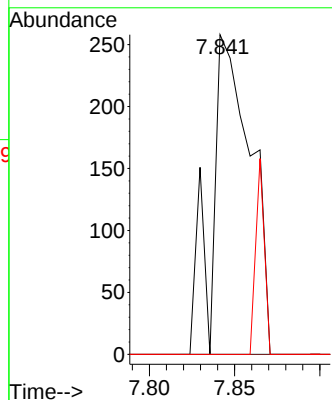
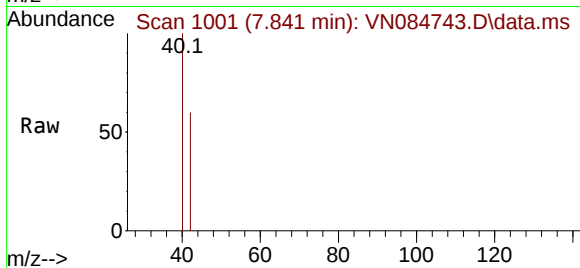
Tgt Ion: 42 Resp: 412

Ion Ratio Lower Upper

42 100

72 0.0 34.6 51.8#

71 0.0 32.2 48.4#



#31

Cyclohexane

Concen: 1.014 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.029 min

Lab File: VN084743.D

Acq: 08 Nov 2024 12:31

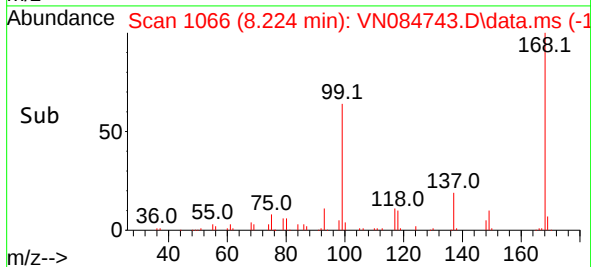
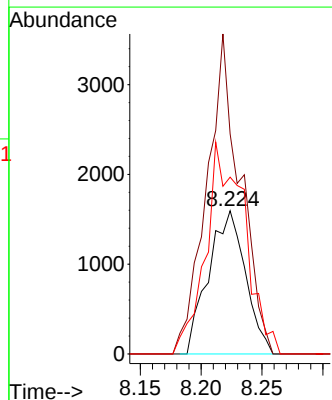
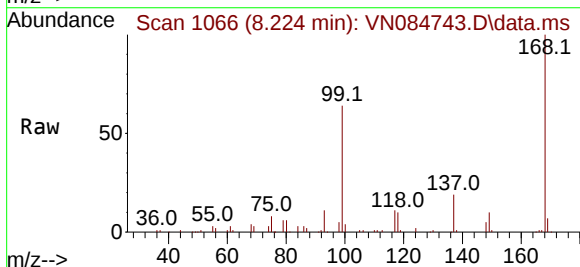
Tgt Ion: 56 Resp: 3369

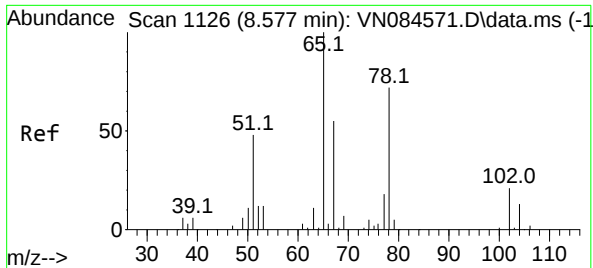
Ion Ratio Lower Upper

56 100

69 153.7 23.8 35.6#

84 123.4 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 48.076 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN084743.D

Acq: 08 Nov 2024 12:31

Instrument :

MSVOA_N

ClientSampleId :

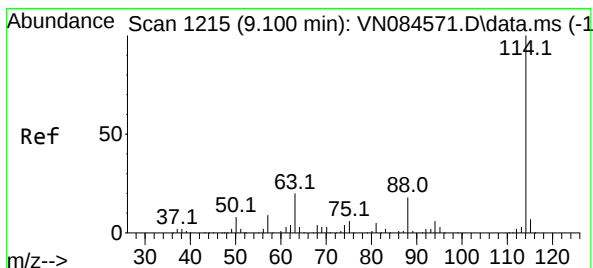
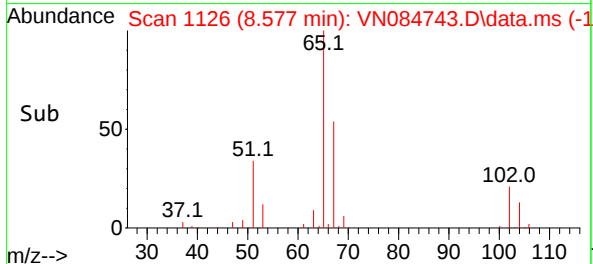
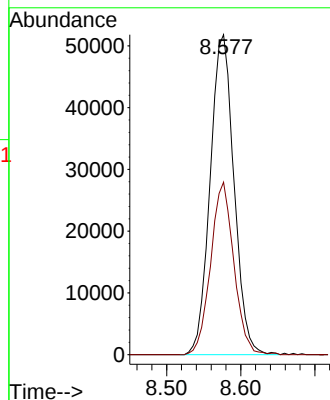
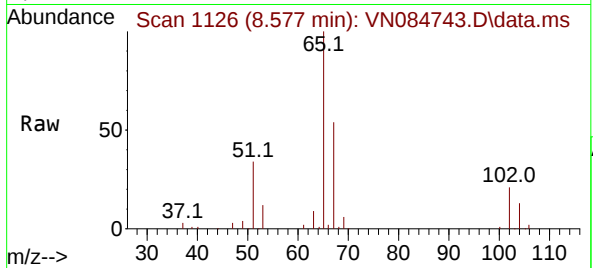
PB164695TB

Tgt Ion: 65 Resp: 115641

Ion Ratio Lower Upper

65 100

67 52.5 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN084743.D

Acq: 08 Nov 2024 12:31

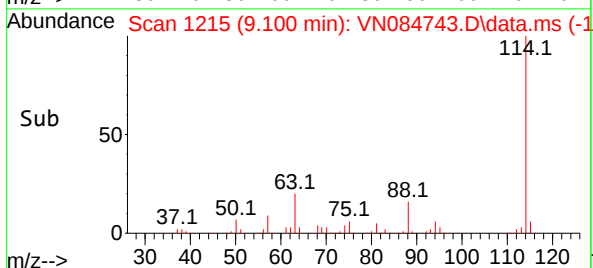
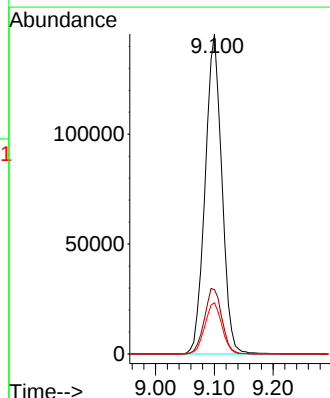
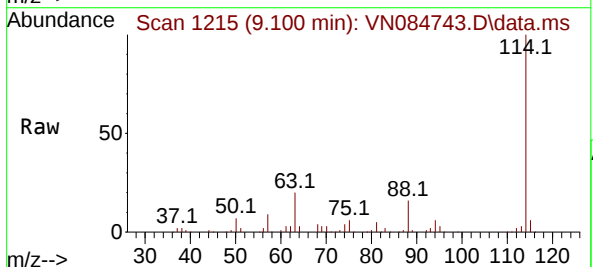
Tgt Ion: 114 Resp: 287862

Ion Ratio Lower Upper

114 100

63 20.1 0.0 43.8

88 16.0 0.0 31.6

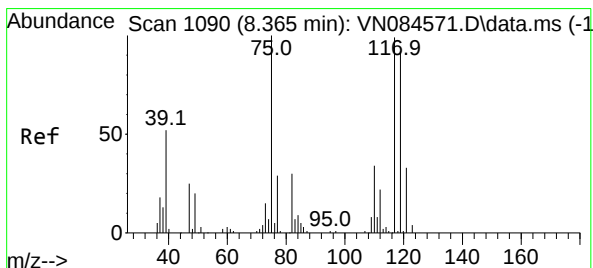
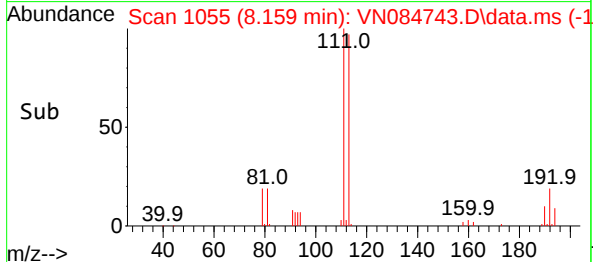
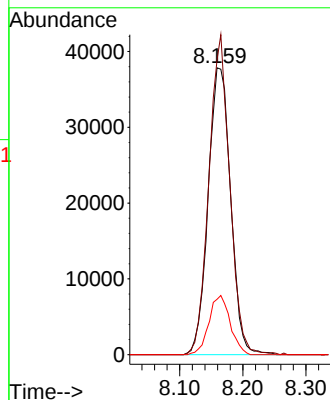
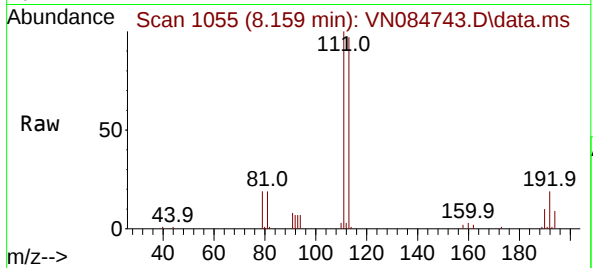




#35
Dibromofluoromethane
Concen: 48.087 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN084743.D
Acq: 08 Nov 2024 12:31

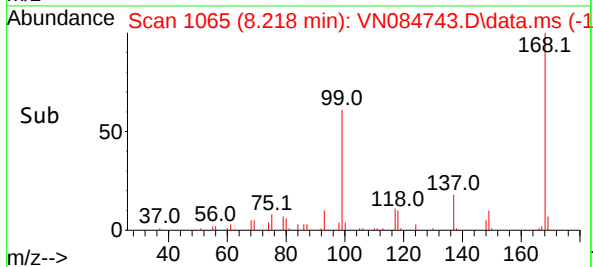
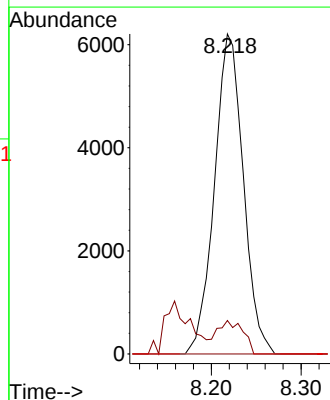
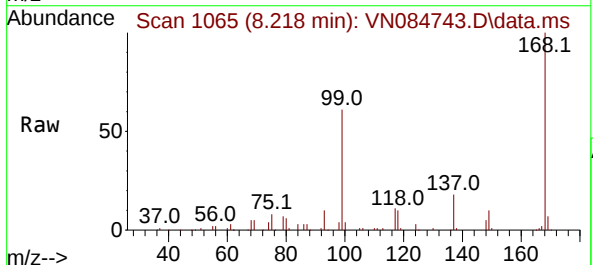
Instrument :
MSVOA_N
ClientSampleId :
PB164695TB

Tgt Ion:113 Resp: 93696
Ion Ratio Lower Upper
113 100
111 103.4 83.3 124.9
192 19.5 13.5 20.3



#36
1,1-Dichloropropene
Concen: 5.126 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN084743.D
Acq: 08 Nov 2024 12:31

Tgt Ion: 75 Resp: 13853
Ion Ratio Lower Upper
75 100
110 9.7 16.9 50.7#
77 0.0 24.7 37.1#

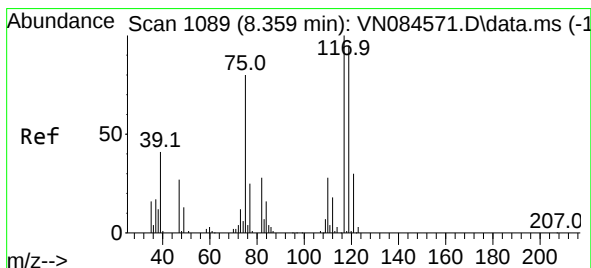
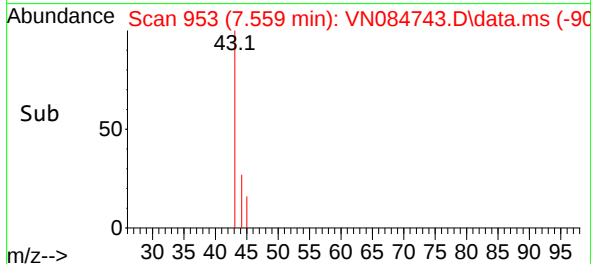
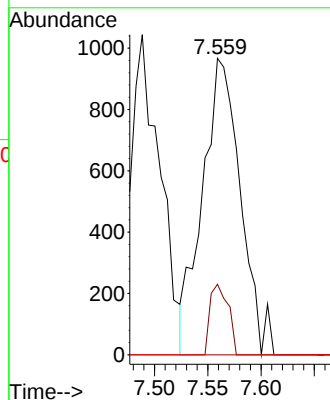
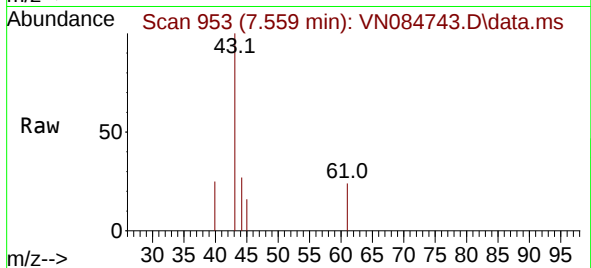




#37
Ethyl Acetate
Concen: 0.983 ug/l
RT: 7.559 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN084743.D
Acq: 08 Nov 2024 12:31

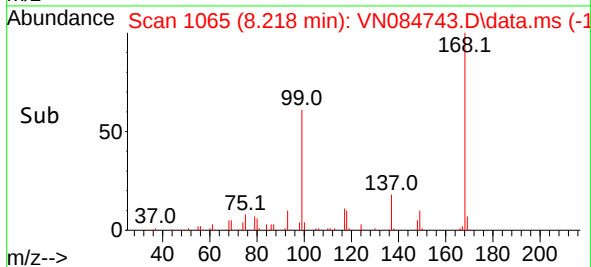
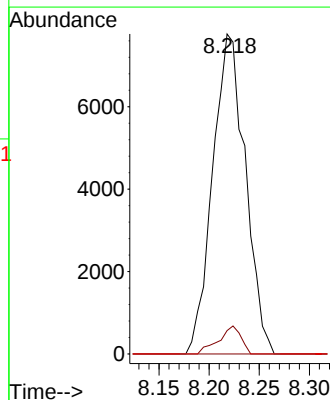
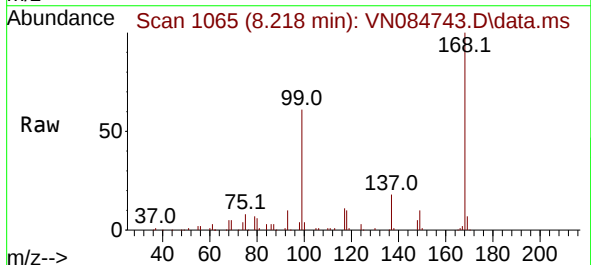
Instrument :
MSVOA_N
ClientSampleId :
PB164695TB

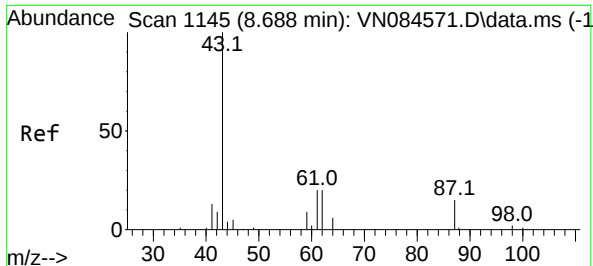
Tgt Ion: 43 Resp: 2410
Ion Ratio Lower Upper
43 100
61 11.3 10.7 16.1
70 0.0 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 5.827 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN084743.D
Acq: 08 Nov 2024 12:31

Tgt Ion: 117 Resp: 17599
Ion Ratio Lower Upper
117 100
119 7.3 78.7 118.1#
121 0.0 24.4 36.6#

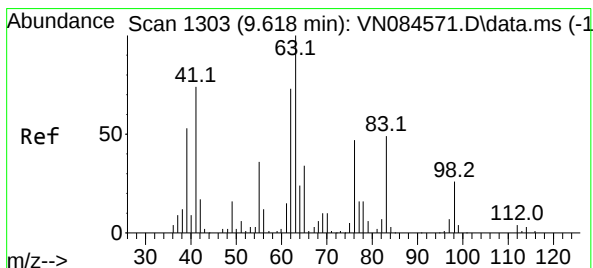
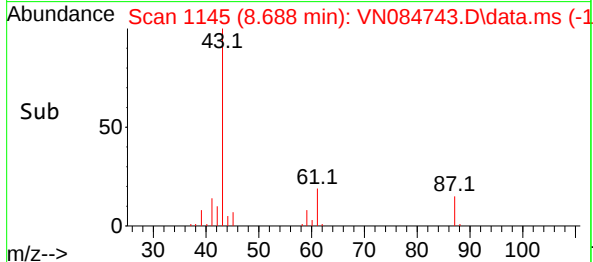
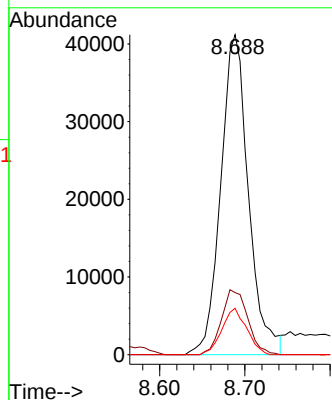
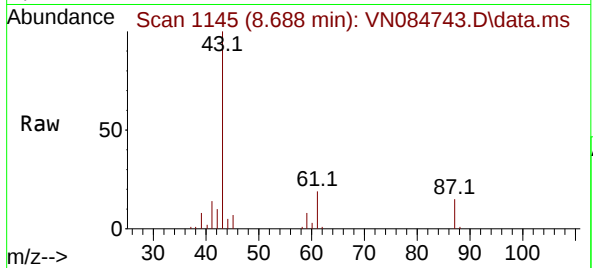




#43
Isopropyl Acetate
Concen: 19.989 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084743.D
Acq: 08 Nov 2024 12:31

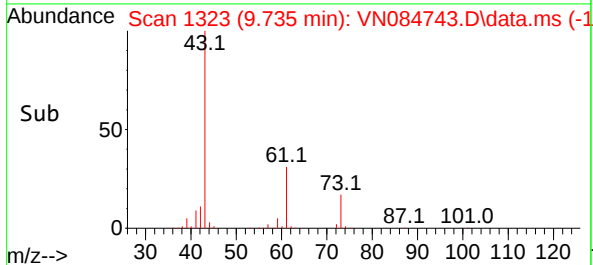
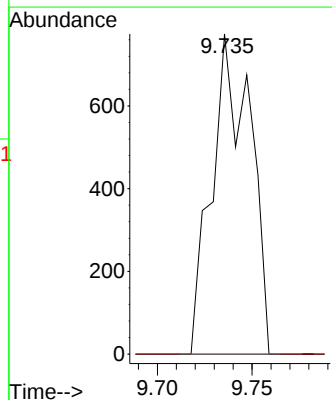
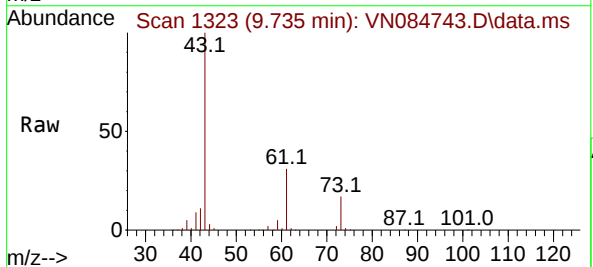
Instrument :
MSVOA_N
ClientSampleId :
PB164695TB

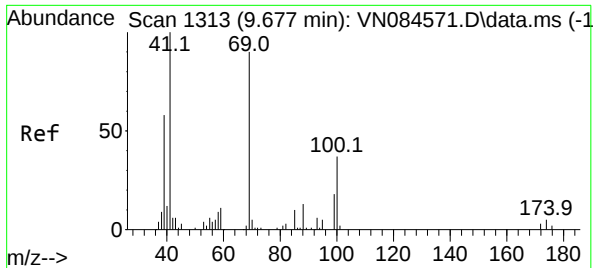
Tgt Ion: 43 Resp: 93163
Ion Ratio Lower Upper
43 100
61 19.2 20.4 30.6#
87 13.0 10.3 15.5



#45
1,2-Dichloropropane
Concen: 0.537 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.117 min
Lab File: VN084743.D
Acq: 08 Nov 2024 12:31

Tgt Ion: 63 Resp: 1093
Ion Ratio Lower Upper
63 100
65 0.0 24.6 37.0#

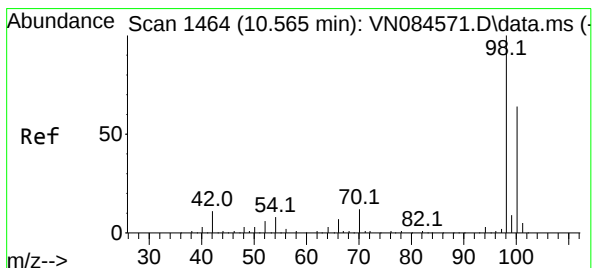
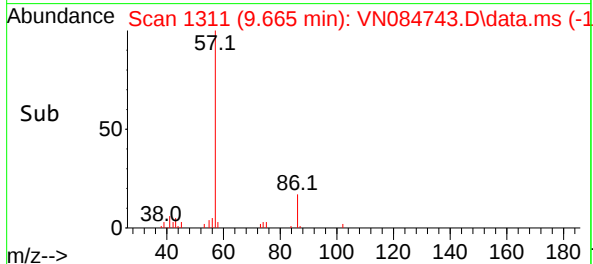
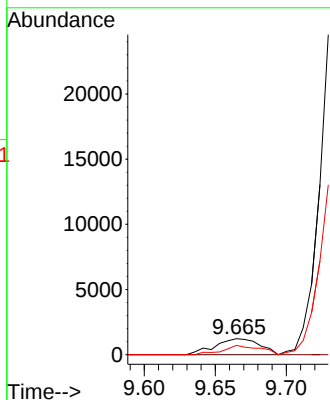
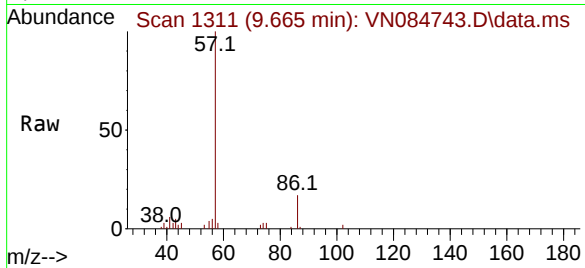




#48
Methyl methacrylate
Concen: 1.404 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN084743.D
Acq: 08 Nov 2024 12:31

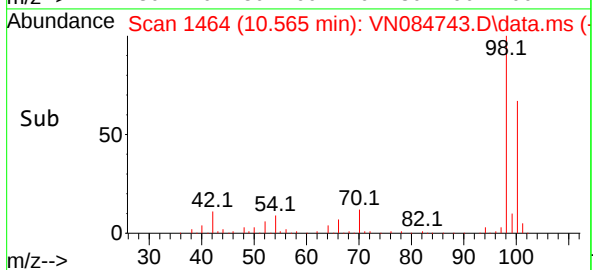
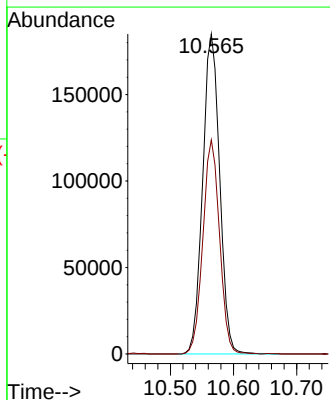
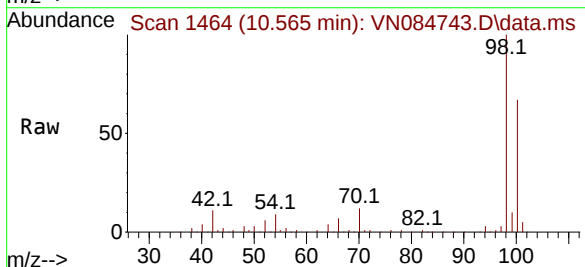
Instrument :
MSVOA_N
ClientSampleId :
PB164695TB

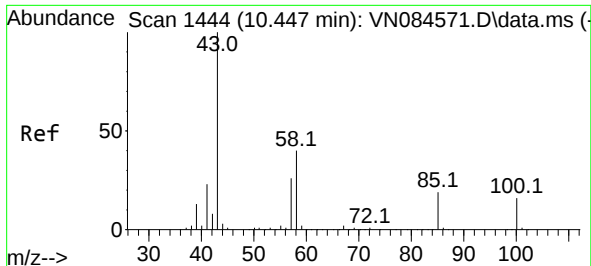
Tgt Ion: 41 Resp: 2679
Ion Ratio Lower Upper
41 100
69 0.0 67.1 100.7#
39 48.2 45.8 68.6



#50
Toluene-d8
Concen: 48.241 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084743.D
Acq: 08 Nov 2024 12:31

Tgt Ion: 98 Resp: 346250
Ion Ratio Lower Upper
98 100
100 65.5 52.7 79.1

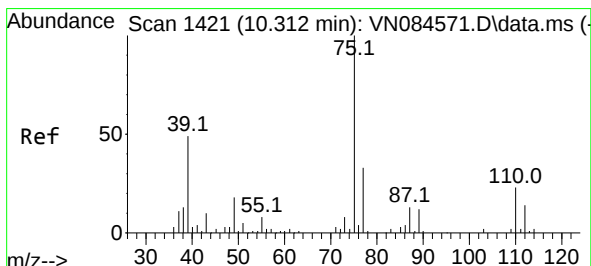
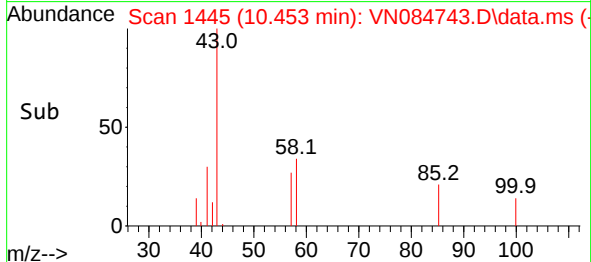
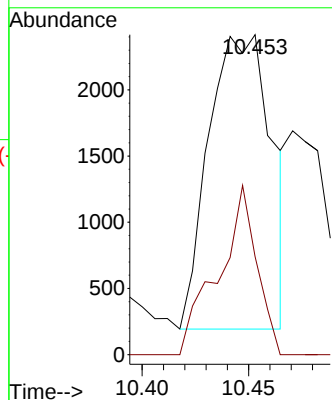
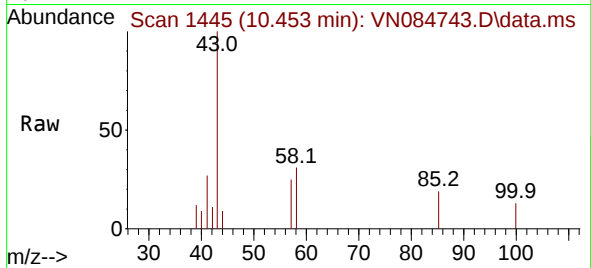




#51
4-Methyl-2-Pentanone
Concen: 1.951 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.012 min
Lab File: VN084743.D
Acq: 08 Nov 2024 12:31

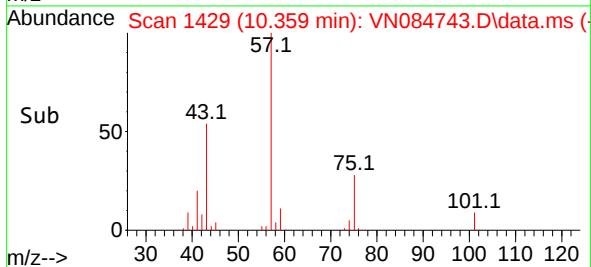
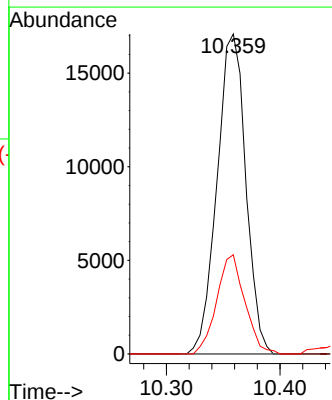
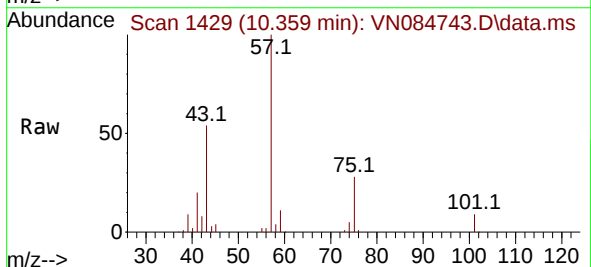
Instrument :
MSVOA_N
ClientSampleId :
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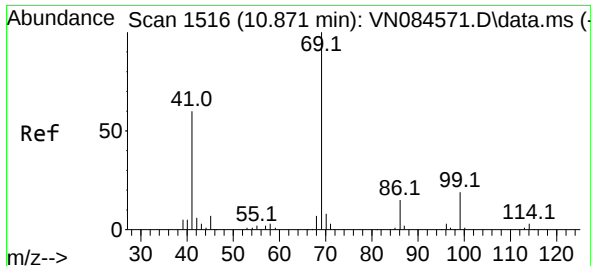
Tgt Ion: 43 Resp: 4559
Ion Ratio Lower Upper
43 100
58 35.2 31.6 47.4



#54
cis-1,3-Dichloropropene
Concen: 9.056 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN084743.D
Acq: 08 Nov 2024 12:31

Tgt Ion: 75 Resp: 30041
Ion Ratio Lower Upper
75 100
77 0.0 24.2 36.2#
39 31.0 38.7 58.1#

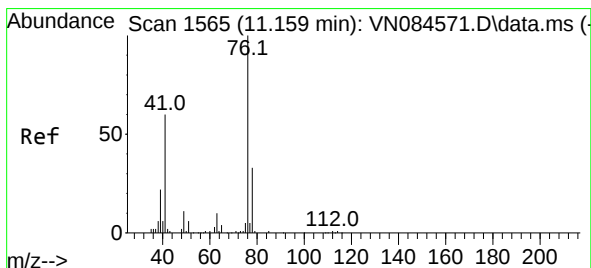
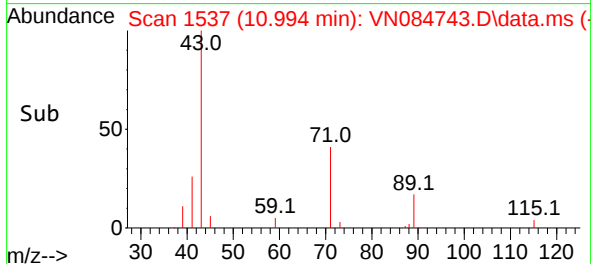
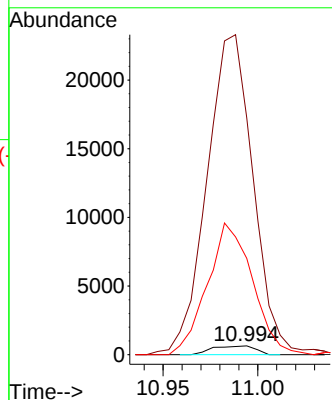
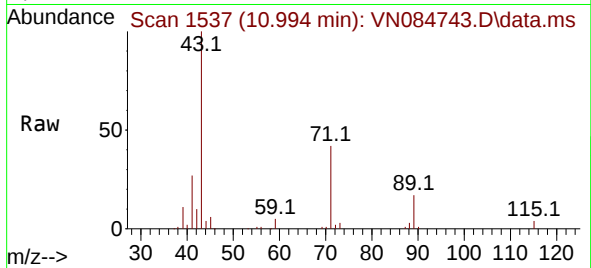




#56
Ethyl methacrylate
Concen: 0.367 ug/l
RT: 10.994 min Scan# 1537
Delta R.T. 0.124 min
Lab File: VN084743.D
Acq: 08 Nov 2024 12:31

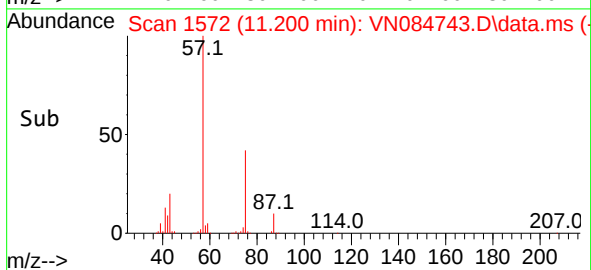
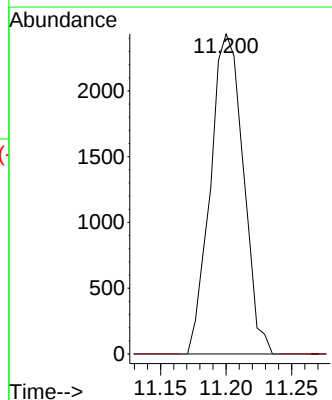
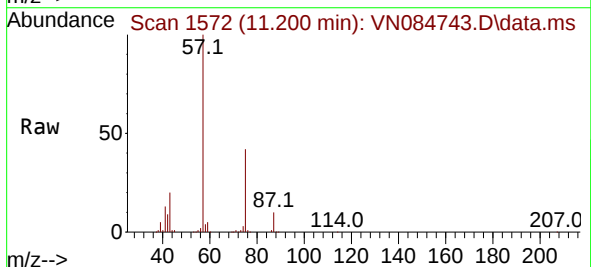
Instrument :
MSVOA_N
ClientSampleId :
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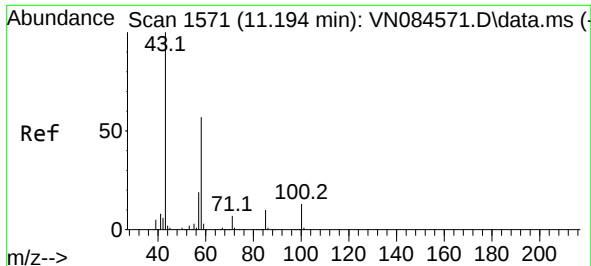
Tgt Ion: 69 Resp: 1014
Ion Ratio Lower Upper
69 100
41 3921.1 53.3 79.9#
39 1567.7 28.8 43.2#



#57
1,3-Dichloropropane
Concen: 1.293 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN084743.D
Acq: 08 Nov 2024 12:31

Tgt Ion: 76 Resp: 4241
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

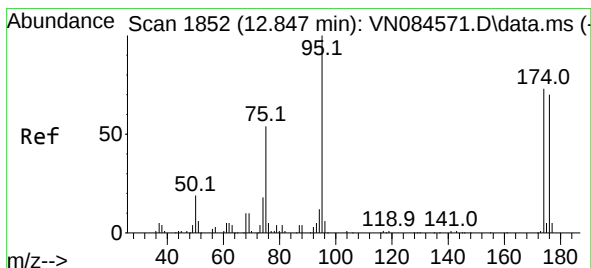
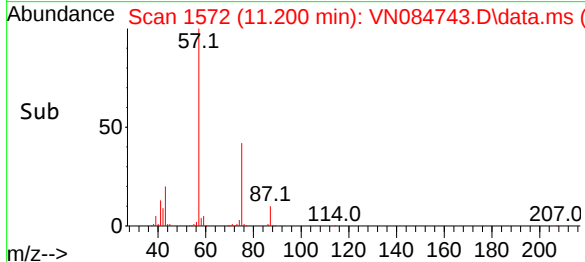
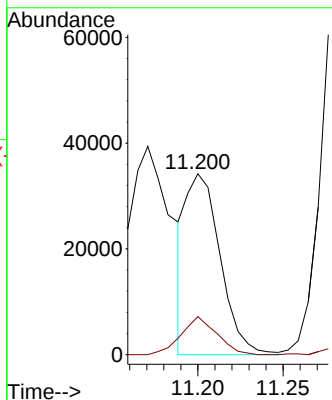
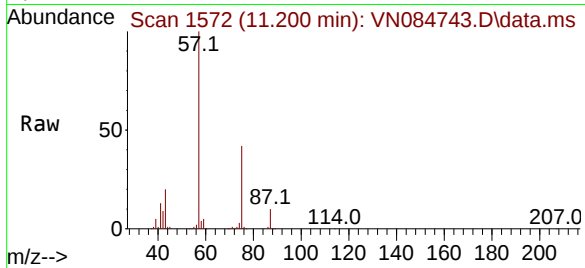




#59
2-Hexanone
Concen: 28.260 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN084743.D
Acq: 08 Nov 2024 12:31

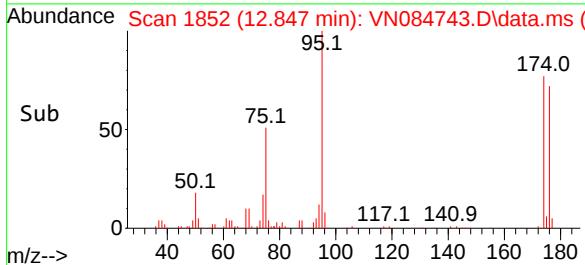
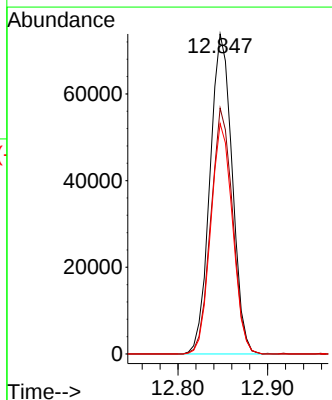
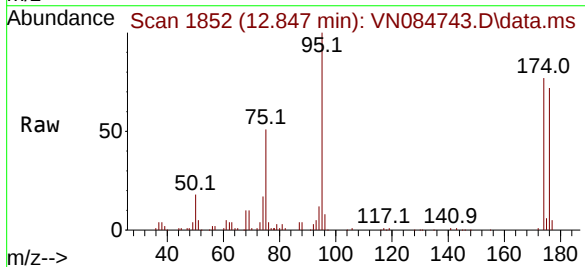
Instrument :
MSVOA_N
ClientSampleId :
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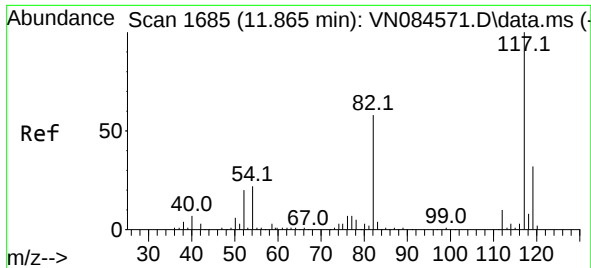
Tgt Ion: 43 Resp: 48077
Ion Ratio Lower Upper
43 100
58 21.8 27.3 81.8#



#62
4-Bromofluorobenzene
Concen: 47.379 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084743.D
Acq: 08 Nov 2024 12:31

Tgt Ion: 95 Resp: 127095
Ion Ratio Lower Upper
95 100
174 75.2 0.0 145.2
176 70.7 0.0 140.0

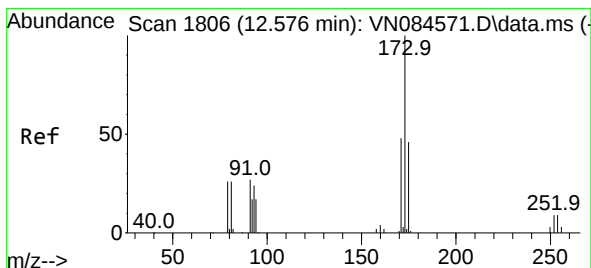
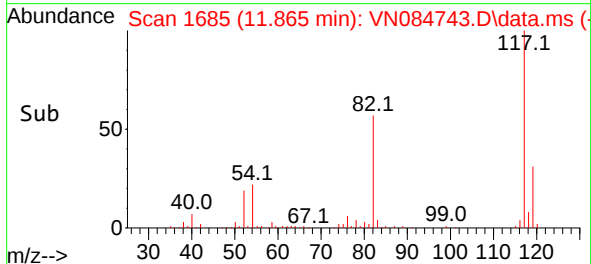
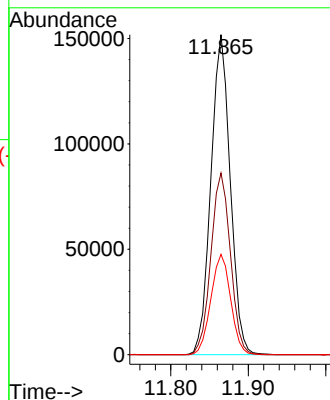
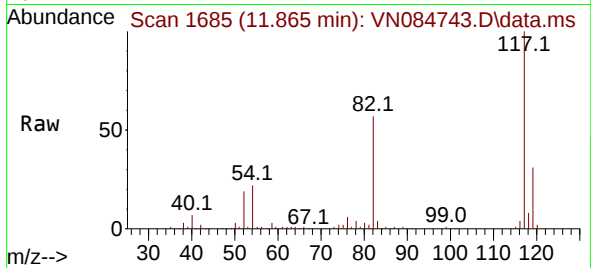




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN084743.D
Acq: 08 Nov 2024 12:31

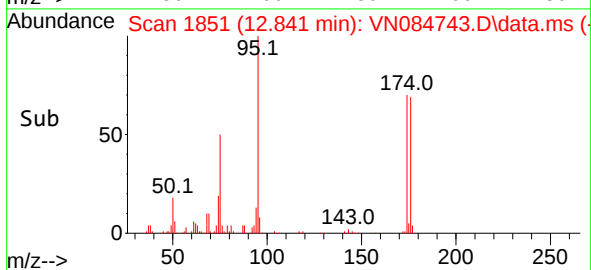
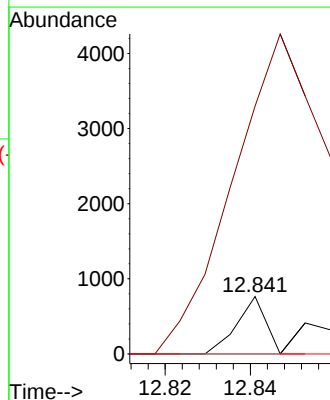
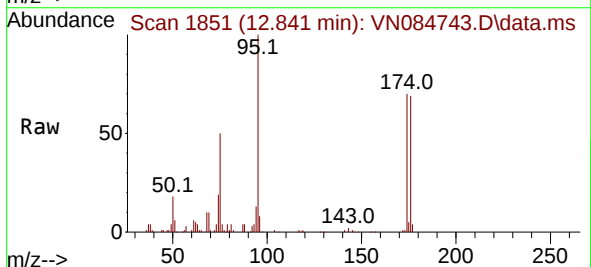
Instrument :
MSVOA_N
ClientSampleId :
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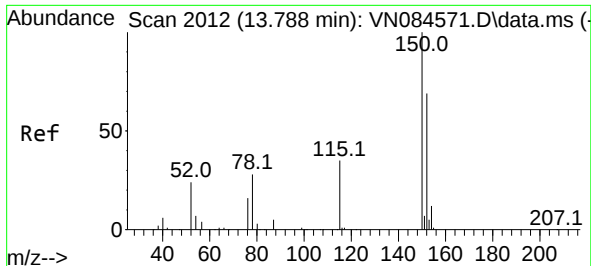
Tgt Ion:117 Resp: 263398
Ion Ratio Lower Upper
117 100
82 56.7 47.2 70.8
119 31.4 25.4 38.0



#71
Bromoform
Concen: 0.234 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN084743.D
Acq: 08 Nov 2024 12:31

Tgt Ion:173 Resp: 361
Ion Ratio Lower Upper
173 100
175 1437.4 23.5 70.6#
254 0.0 0.0 0.0

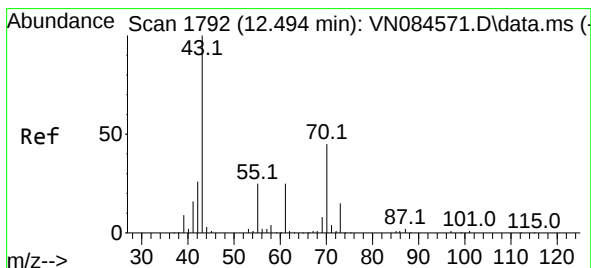
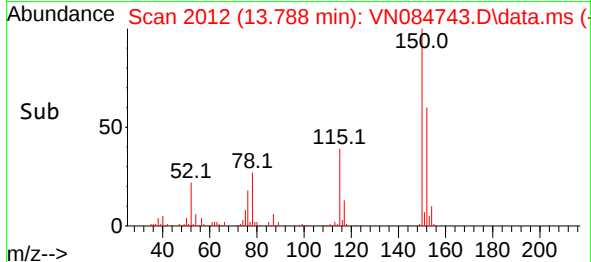
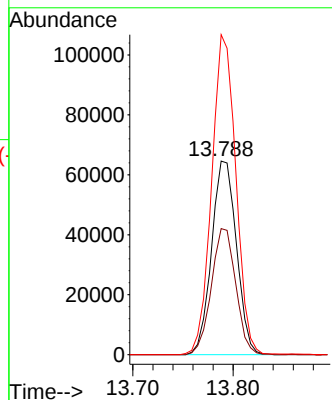
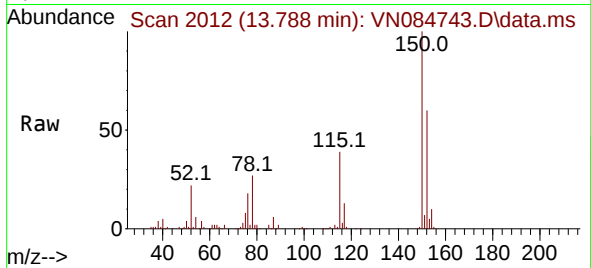




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084743.D
Acq: 08 Nov 2024 12:31

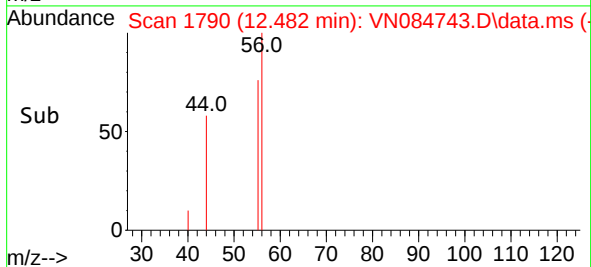
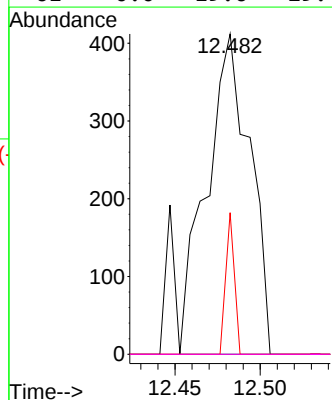
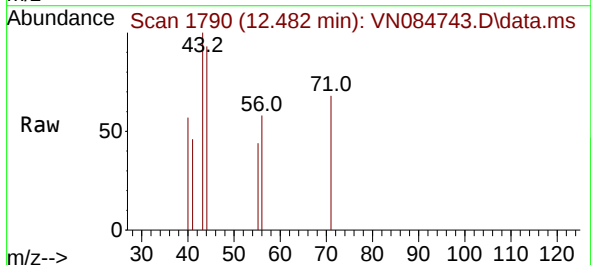
Instrument :
MSVOA_N
ClientSampleId :
PB164695TB

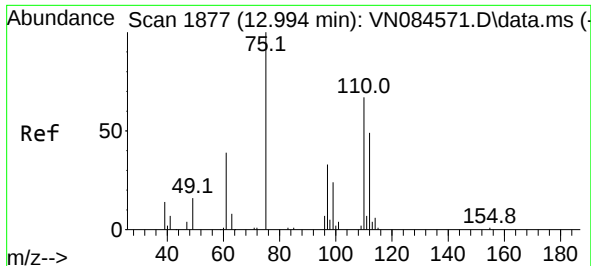
Tgt Ion:152 Resp: 111443
Ion Ratio Lower Upper
152 100
115 63.9 31.3 93.9
150 160.7 0.0 349.8



#74
N-ethyl acetate
Concen: 0.220 ug/l
RT: 12.482 min Scan# 1790
Delta R.T. -0.012 min
Lab File: VN084743.D
Acq: 08 Nov 2024 12:31

Tgt Ion: 43 Resp: 732
Ion Ratio Lower Upper
43 100
70 0.0 34.4 51.6#
55 8.7 19.6 29.4#
61 0.0 19.6 29.4#

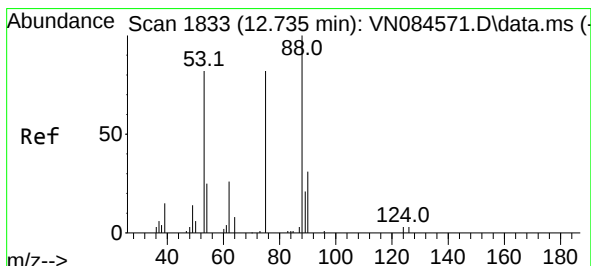
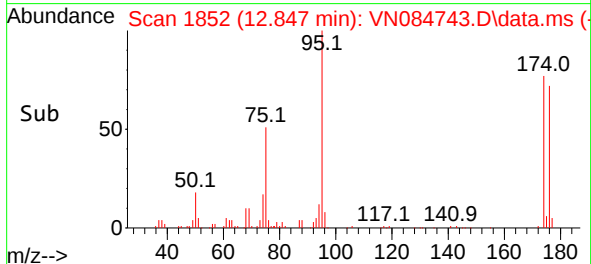
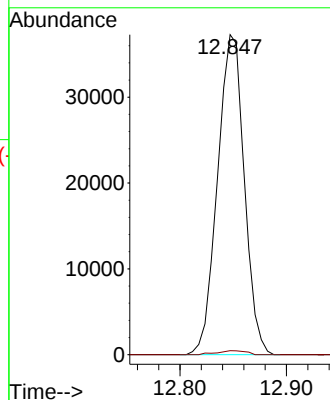
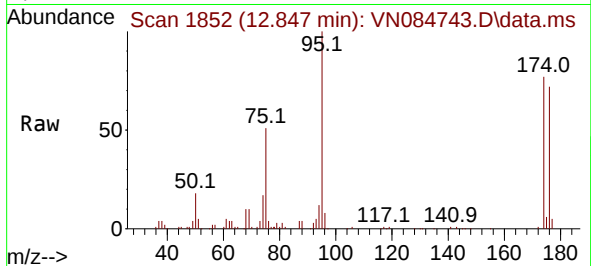




#76
1,2,3-Trichloropropane
Concen: 29.178 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084743.D
Acq: 08 Nov 2024 12:31

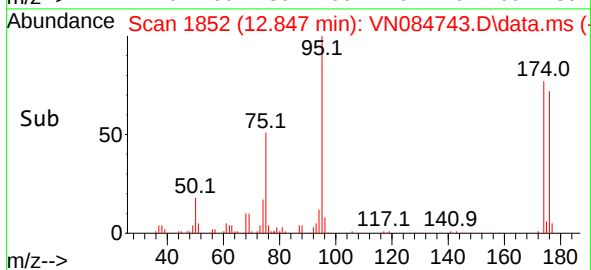
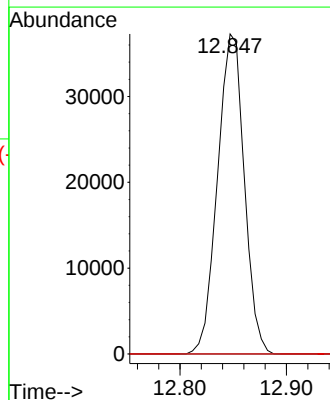
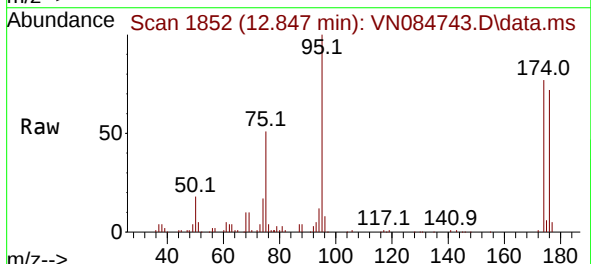
Instrument :
MSVOA_N
ClientSampleId :
PB164695TB

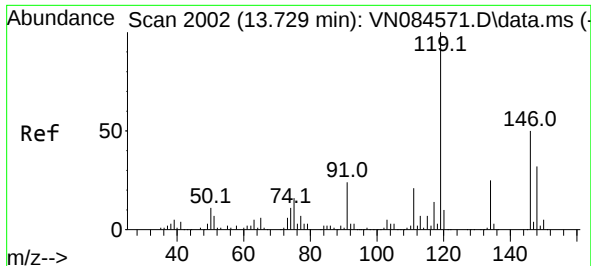
Tgt Ion: 75 Resp: 64999
Ion Ratio Lower Upper
75 100
77 1.3 96.9 290.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.221 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084743.D
Acq: 08 Nov 2024 12:31

Tgt Ion: 75 Resp: 64999
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#

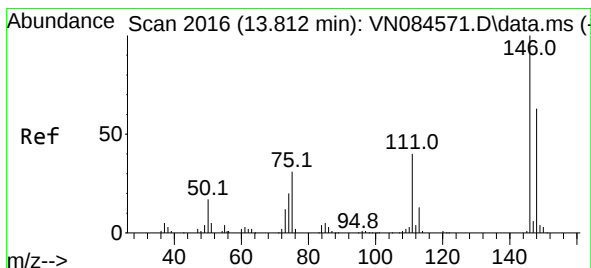
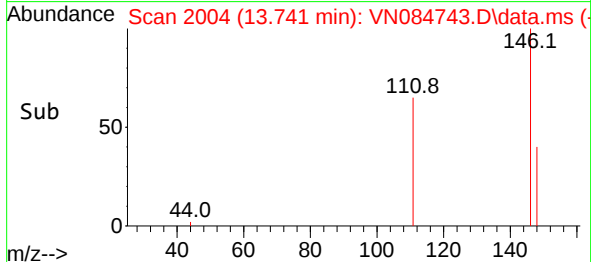
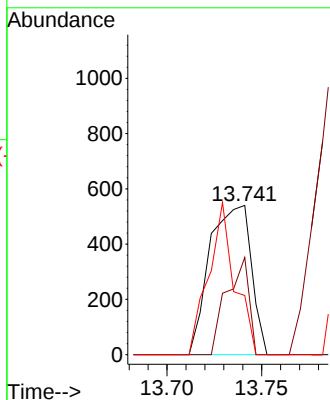
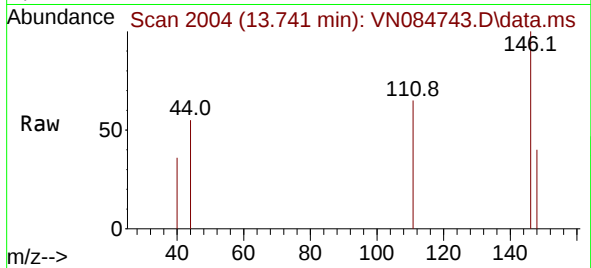




#87
 1,3-Dichlorobenzene
 Concen: 0.200 ug/l
 RT: 13.741 min Scan# 2004
 Delta R.T. 0.012 min
 Lab File: VN084743.D
 Acq: 08 Nov 2024 12:31

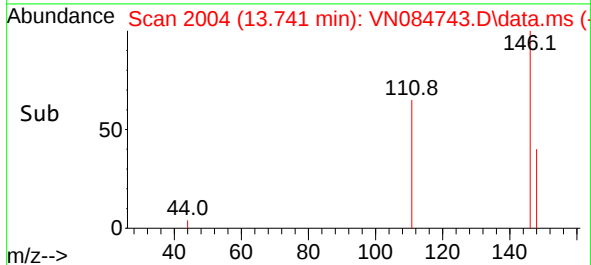
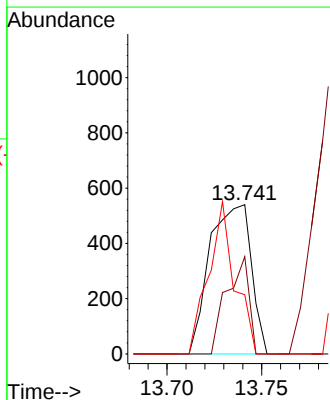
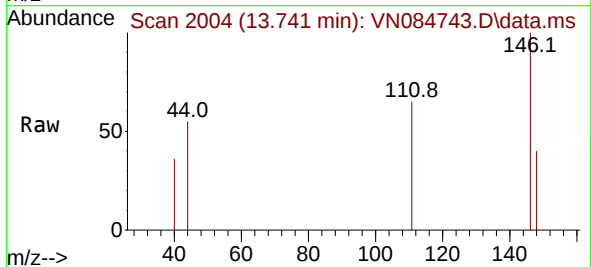
Instrument :
 MSVOA_N
 ClientSampleId :
 PB164695TB

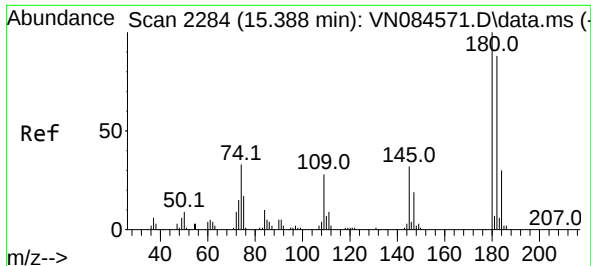
Tgt Ion:146 Resp: 820
 Ion Ratio Lower Upper
 146 100
 111 35.0 21.8 65.3
 148 64.6 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.741 min Scan# 2004
 Delta R.T. -0.071 min
 Lab File: VN084743.D
 Acq: 08 Nov 2024 12:31

Tgt Ion:146 Resp: 820
 Ion Ratio Lower Upper
 146 100
 111 35.0 21.2 63.6
 148 64.6 31.9 95.9

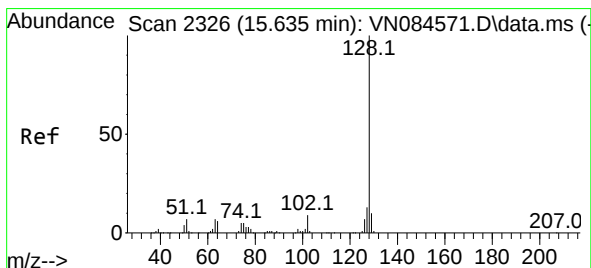
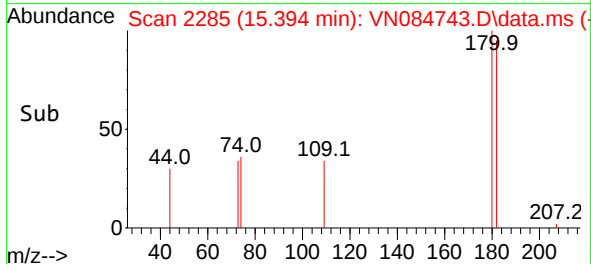
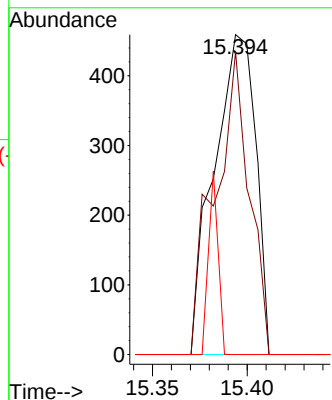
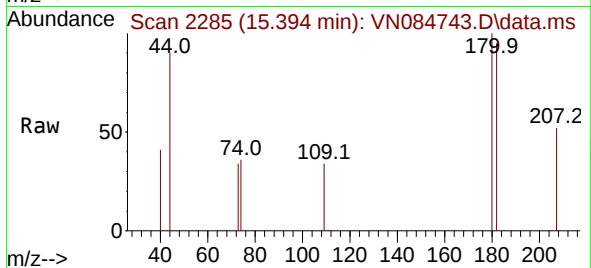




#93
 1,2,4-Trichlorobenzene
 Concen: 0.327 ug/l
 RT: 15.394 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN084743.D
 Acq: 08 Nov 2024 12:31

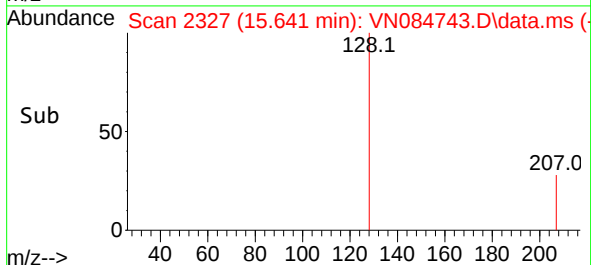
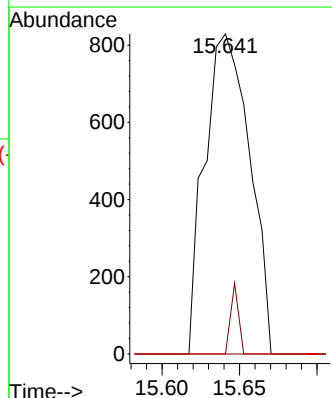
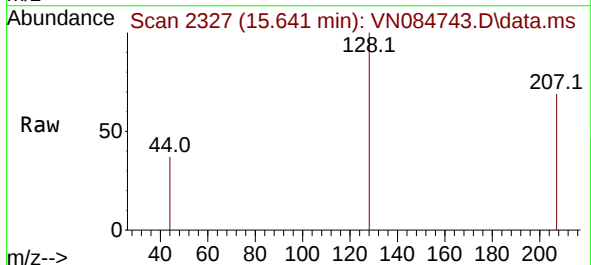
Instrument :
 MSVOA_N
 ClientSampleId :
 PB164695TB

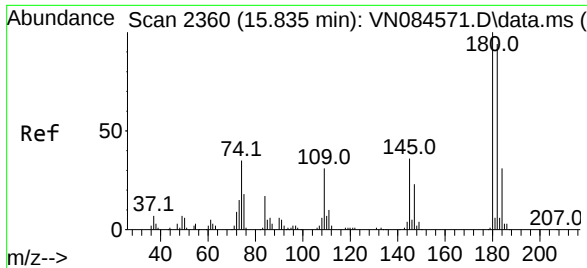
Tgt Ion:180 Resp: 704
 Ion Ratio Lower Upper
 180 100
 182 78.1 47.0 141.0
 145 13.2 16.4 49.4#



#95
 Naphthalene
 Concen: 0.260 ug/l
 RT: 15.641 min Scan# 2327
 Delta R.T. 0.006 min
 Lab File: VN084743.D
 Acq: 08 Nov 2024 12:31

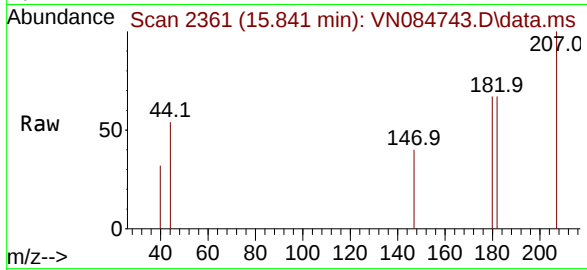
Tgt Ion:128 Resp: 1675
 Ion Ratio Lower Upper
 128 100
 127 3.9 10.5 15.7#
 129 0.0 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.247 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN084743.D
 Acq: 08 Nov 2024 12:31

Instrument :
 MSVOA_N
 ClientSampleId :
 PB164695TB



Tgt Ion:	180	Resp:	517
Ion	Ratio	Lower	Upper
180	100		
182	60.2	48.2	144.6
145	22.1	17.3	51.9

