

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102722\
 Data File : VN075043.D
 Acq On : 27 Oct 2022 16:07
 Operator : JC\MD
 Sample : N5284-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MH-3-WC

Quant Time: Oct 28 02:15:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 09:48:49 2022
 Response via : Initial Calibration

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

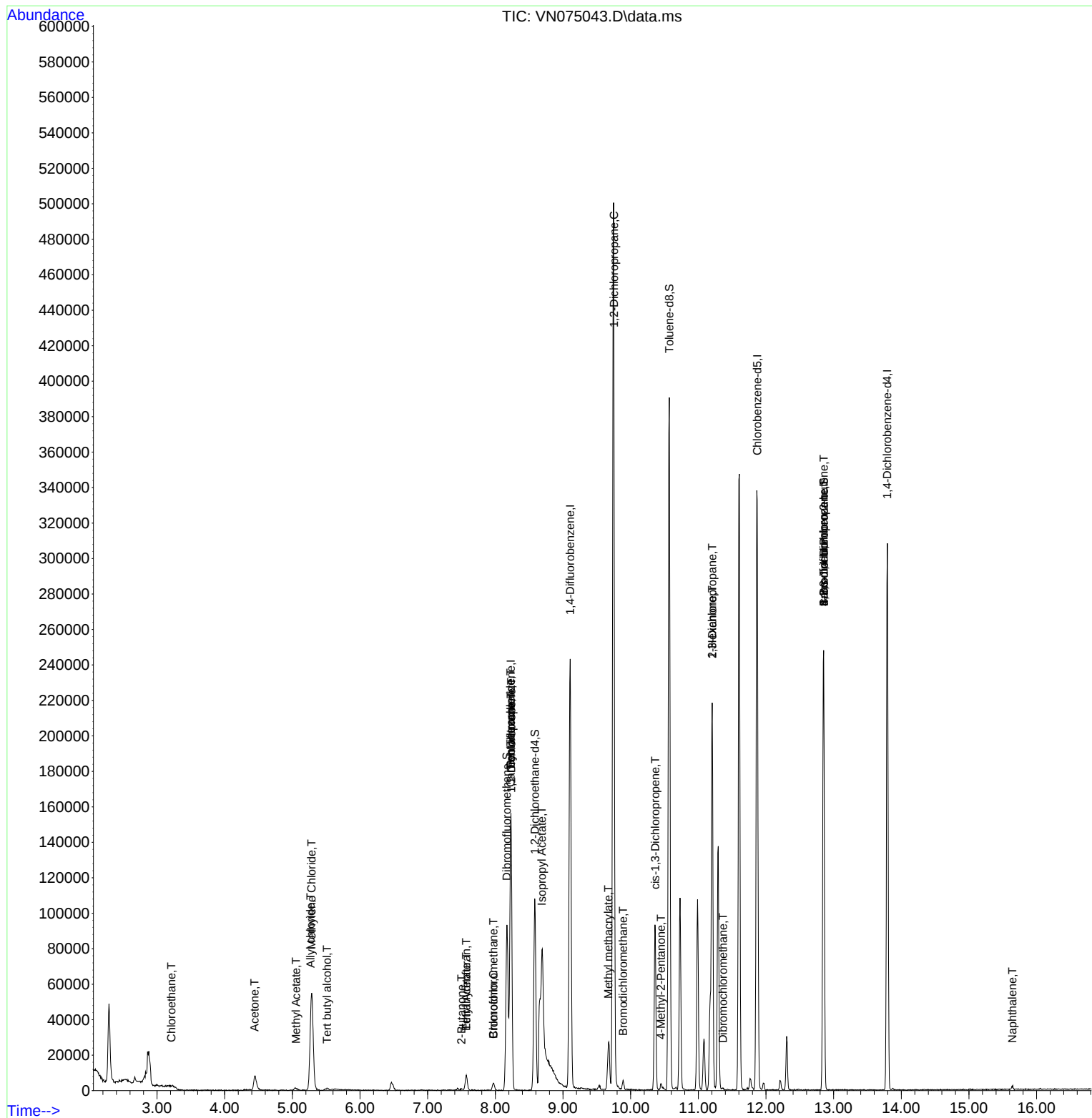
Internal Standards						
1) Pentafluorobenzene	8.230	168	109737	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	214092	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	193657	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	79550	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	86280	58.353	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 116.700%			
35) Dibromofluoromethane	8.171	113	65259	51.924	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.840%			
50) Toluene-d8	10.571	98	267490	54.857	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.720%			
62) 4-Bromofluorobenzene	12.853	95	84308	49.219	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.440%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.912	94	122	Below Cal	#	5
6) Chloroethane	3.212	64	714	0.460	ug/l #	45
11) Tert butyl alcohol	5.512	59	574	1.665	ug/l #	72
14) Allyl chloride	5.271	41	771	0.454	ug/l #	19
16) Acetone	4.442	43	15876	25.358	ug/l	100
18) Methyl Acetate	5.053	43	2951	1.443	ug/l #	80
20) Methylene Chloride	5.283	84	44848	32.128	ug/l	97
25) 2-Butanone	7.500	43	1703	1.729	ug/l #	75
28) Bromochloromethane	7.971	49	245	0.245	ug/l #	10
29) Tetrahydrofuran	7.571	42	709	1.114	ug/l #	26
30) Chloroform	7.971	83	4222	1.640	ug/l	93
31) Cyclohexane	8.230	56	2886	1.312	ug/l #	47
36) 1,1-Dichloropropene	8.235	75	9375	4.818	ug/l #	50
37) Ethyl Acetate	7.571	43	12118	5.679	ug/l #	95
38) Carbon Tetrachloride	8.224	117	12377	5.783	ug/l #	12
43) Isopropyl Acetate	8.688	43	156282	47.215	ug/l #	66
45) 1,2-Dichloropropane	9.753	63	475	0.335	ug/l #	42
47) Bromodichloromethane	9.888	83	1928	0.901	ug/l #	88
48) Methyl methacrylate	9.671	41	1760	1.159	ug/l #	36
51) 4-Methyl-2-Pentanone	10.447	43	2387	1.118	ug/l	92
54) cis-1,3-Dichloropropene	10.365	75	17165	7.168	ug/l #	66
57) 1,3-Dichloropropane	11.206	76	2344	0.891	ug/l #	42
59) 2-Hexanone	11.206	43	29338	18.098	ug/l #	48
60) Dibromochloromethane	11.365	129	560	0.336	ug/l	73
71) Bromoform	12.853	173	845	0.736	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	47051	27.856	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	47051	71.507	ug/l #	10
95) Naphthalene	15.641	128	2529	0.558	ug/l #	86

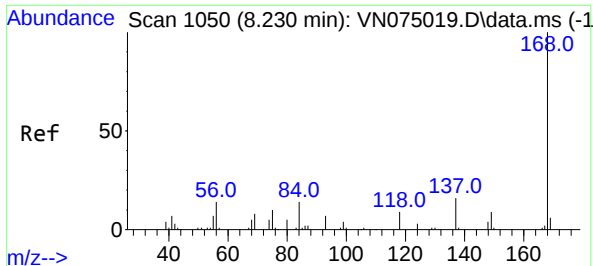
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102722\
Data File : VN075043.D
Acq On : 27 Oct 2022 16:07
Operator : JC\MD
Sample : N5284-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MH-3-WC

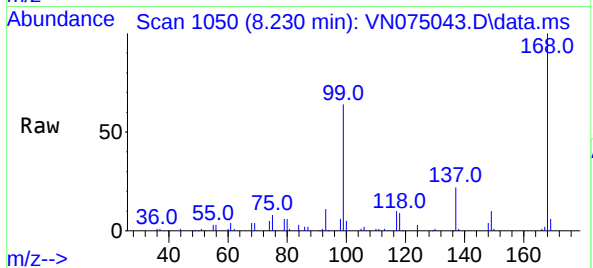
Quant Time: Oct 28 02:15:00 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 27 09:48:49 2022
Response via : Initial Calibration



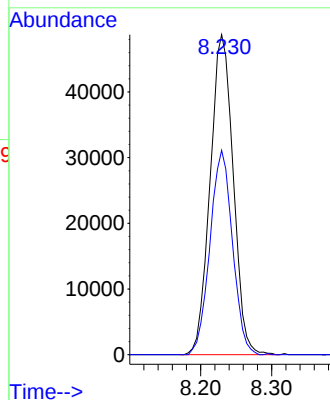
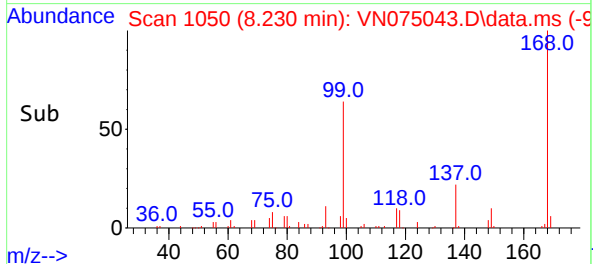


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075043.D
Acq: 27 Oct 2022 16:07

Instrument :
MSVOA_N
ClientSampleId :
MH-3-WC

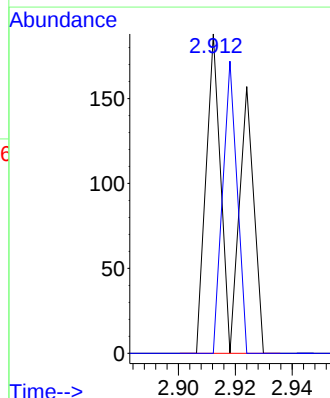
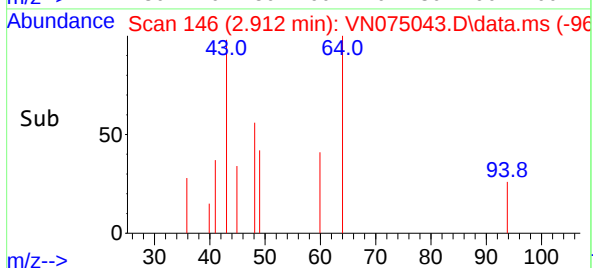
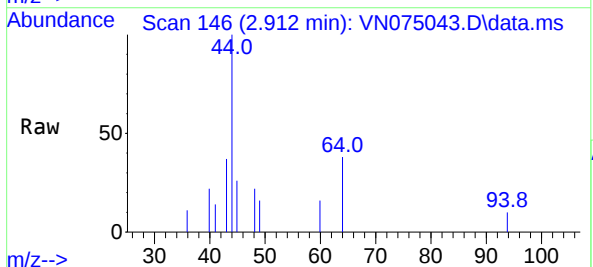


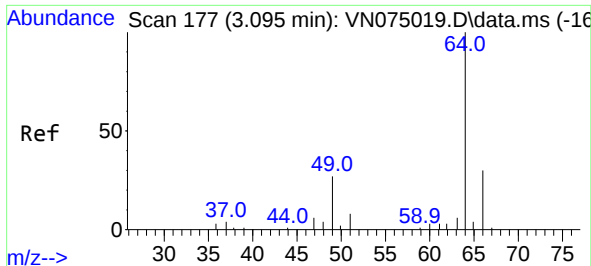
Tgt Ion:168 Resp: 109737
Ion Ratio Lower Upper
168 100
99 63.9 51.6 77.4



#5
Bromomethane
Concen: Below Cal
RT: 2.912 min Scan# 146
Delta R.T. -0.006 min
Lab File: VN075043.D
Acq: 27 Oct 2022 16:07

Tgt Ion: 94 Resp: 122
Ion Ratio Lower Upper
94 100
96 0.0 71.8 107.6#

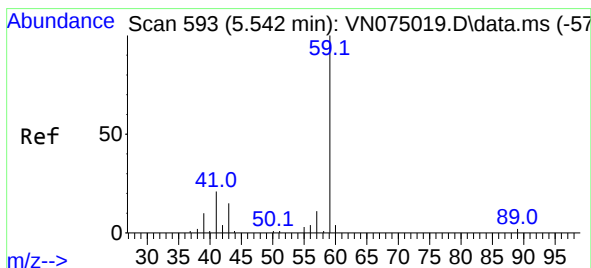
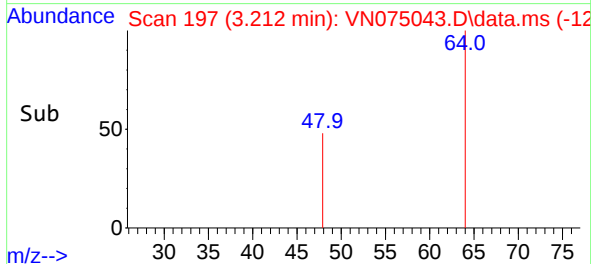
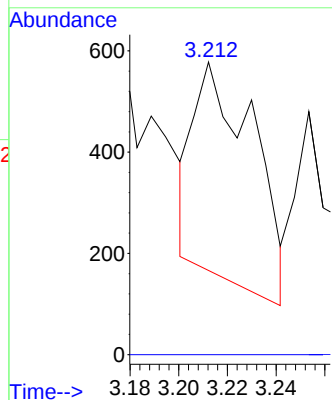
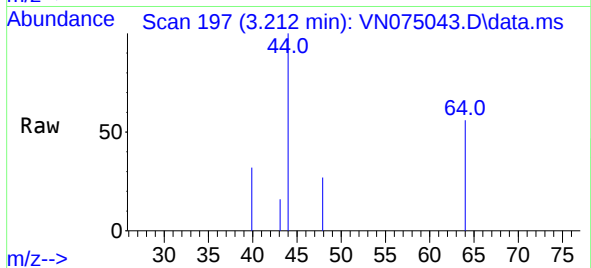




#6
Chloroethane
Concen: 0.460 ug/l
RT: 3.212 min Scan# 11
Delta R.T. 0.117 min
Lab File: VN075043.D
Acq: 27 Oct 2022 16:07

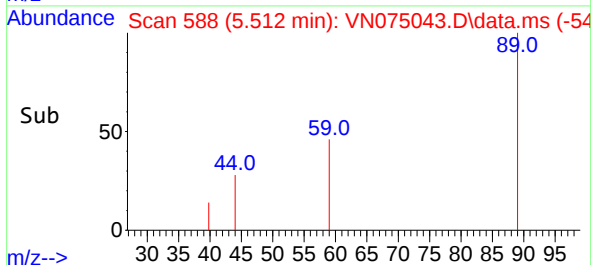
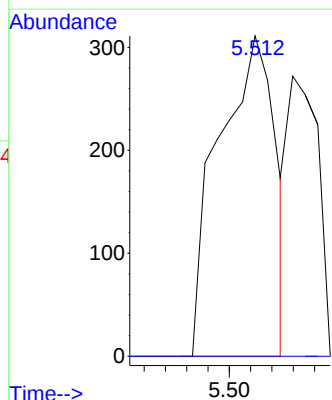
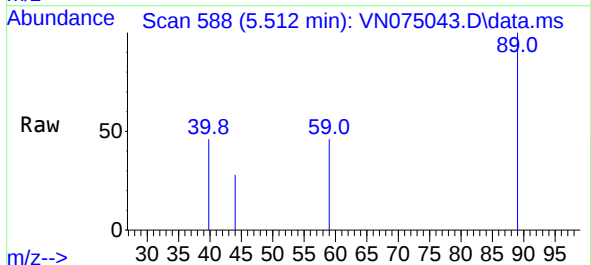
Instrument :
MSVOA_N
ClientSampleId :
MH-3-WC

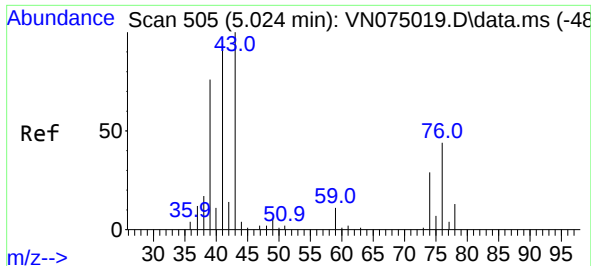
Tgt Ion: 64 Resp: 714
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#



#11
Tert butyl alcohol
Concen: 1.665 ug/l
RT: 5.512 min Scan# 588
Delta R.T. -0.030 min
Lab File: VN075043.D
Acq: 27 Oct 2022 16:07

Tgt Ion: 59 Resp: 574
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

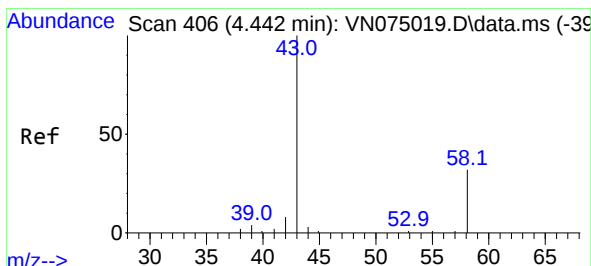
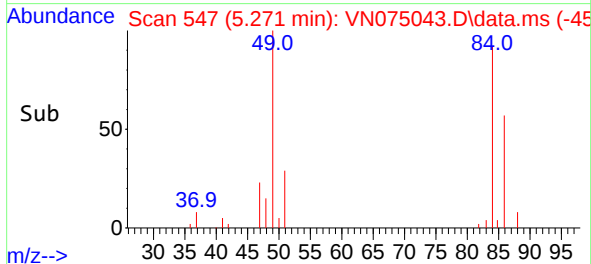
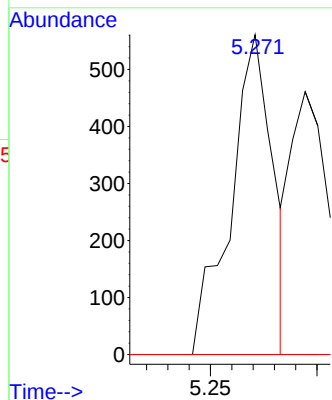
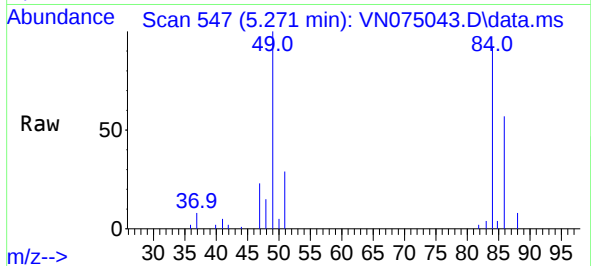




#14
 Allyl chloride
 Concen: 0.454 ug/l
 RT: 5.271 min Scan# 54
 Delta R.T. 0.247 min
 Lab File: VN075043.D
 Acq: 27 Oct 2022 16:07

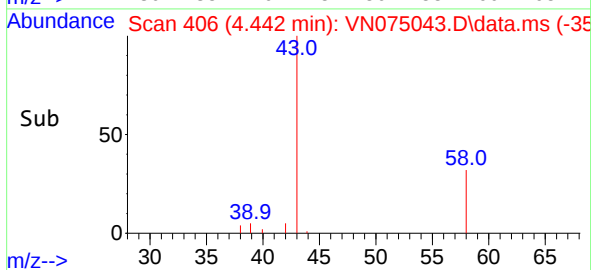
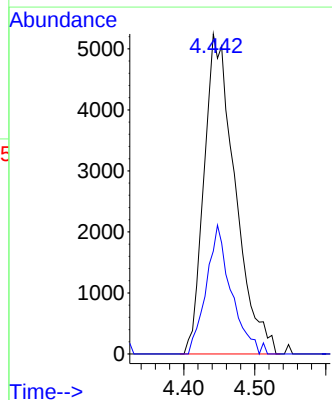
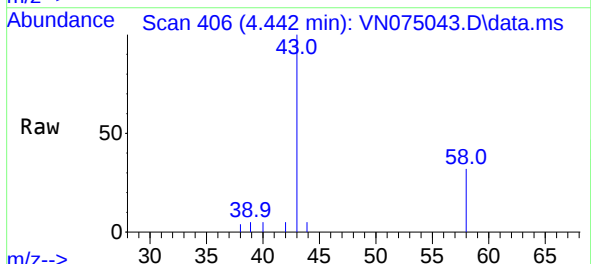
Instrument :
 MSVOA_N
 ClientSampleId :
 MH-3-WC

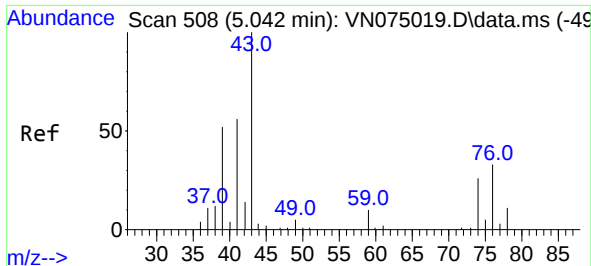
Tgt Ion: 41 Resp: 771
 Ion Ratio Lower Upper
 41 100
 39 0.0 61.0 91.4#
 76 0.0 33.4 50.0#



#16
 Acetone
 Concen: 25.358 ug/l
 RT: 4.442 min Scan# 406
 Delta R.T. -0.000 min
 Lab File: VN075043.D
 Acq: 27 Oct 2022 16:07

Tgt Ion: 43 Resp: 15876
 Ion Ratio Lower Upper
 43 100
 58 32.2 25.5 38.3

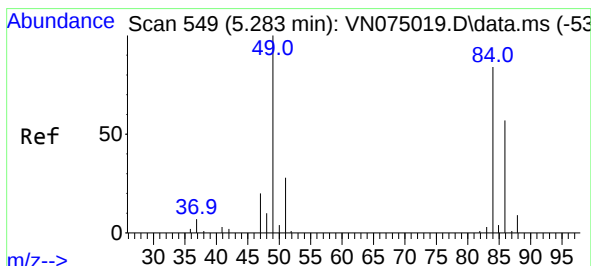
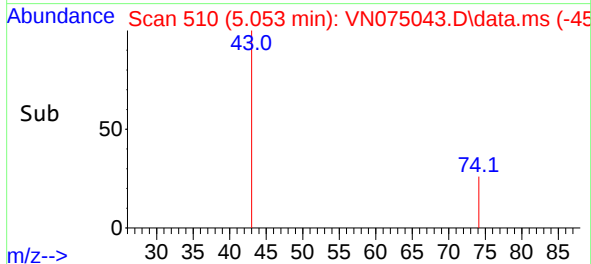
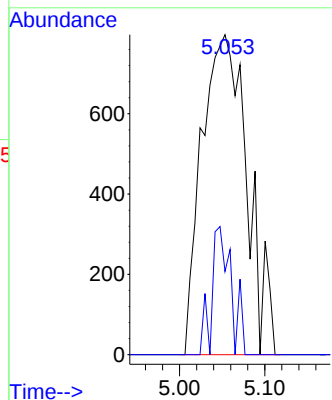
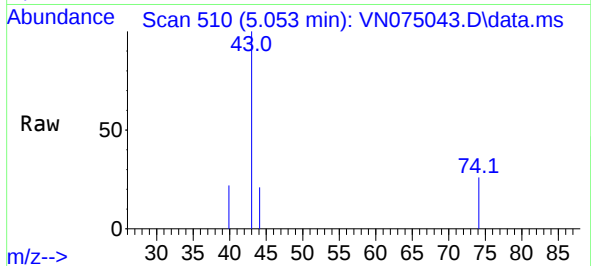




#18
Methyl Acetate
Concen: 1.443 ug/l
RT: 5.053 min Scan# 510
Delta R.T. 0.011 min
Lab File: VN075043.D
Acq: 27 Oct 2022 16:07

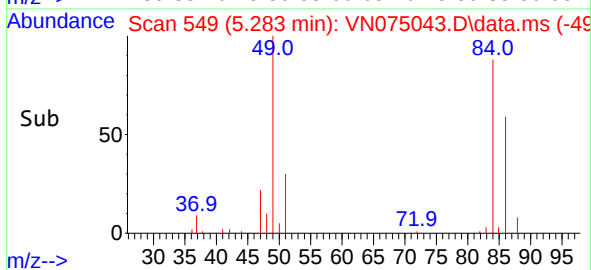
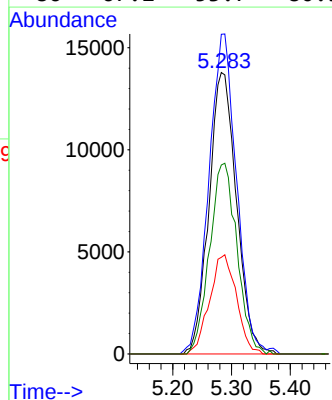
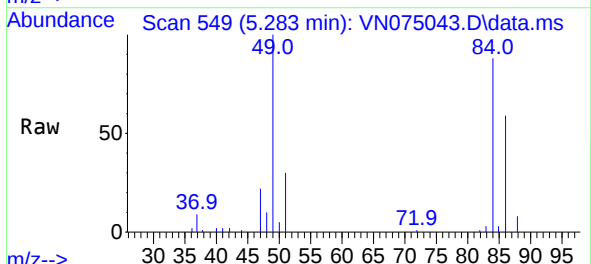
Instrument :
MSVOA_N
ClientSampleId :
MH-3-WC

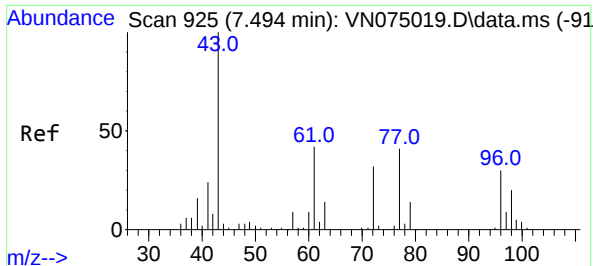
Tgt Ion: 43 Resp: 2951
Ion Ratio Lower Upper
43 100
74 17.1 22.0 33.0#



#20
Methylene Chloride
Concen: 32.128 ug/l
RT: 5.283 min Scan# 549
Delta R.T. -0.000 min
Lab File: VN075043.D
Acq: 27 Oct 2022 16:07

Tgt Ion: 84 Resp: 44848
Ion Ratio Lower Upper
84 100
49 113.6 94.9 142.3
51 34.4 26.8 40.2
86 67.2 53.7 80.5

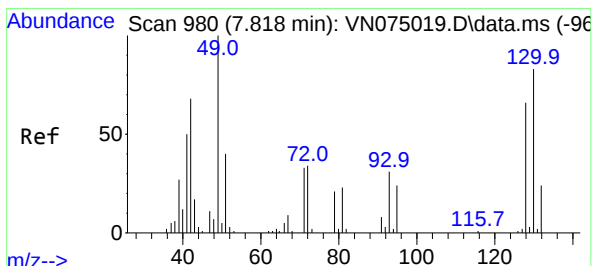
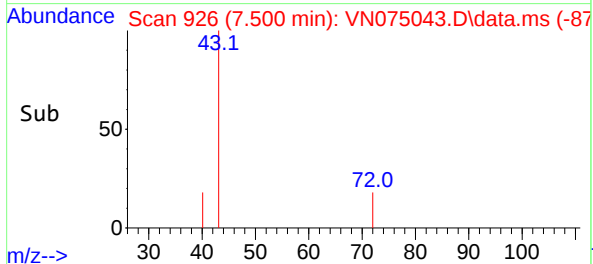
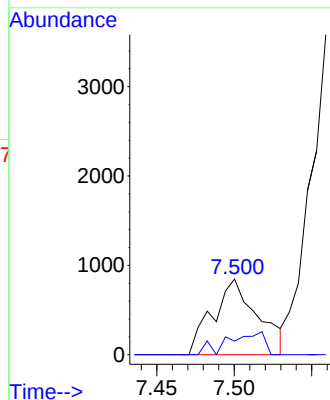
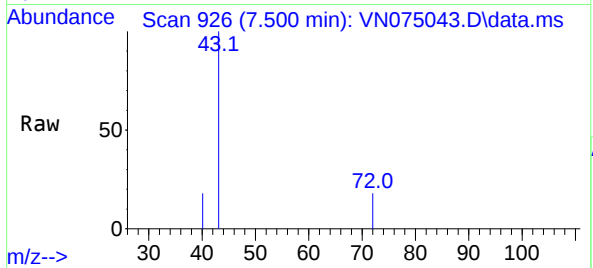




#25
2-Butanone
Concen: 1.729 ug/l
RT: 7.500 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN075043.D
Acq: 27 Oct 2022 16:07

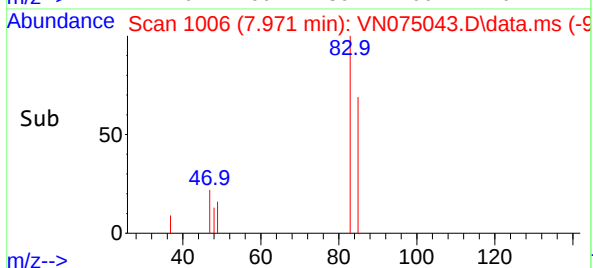
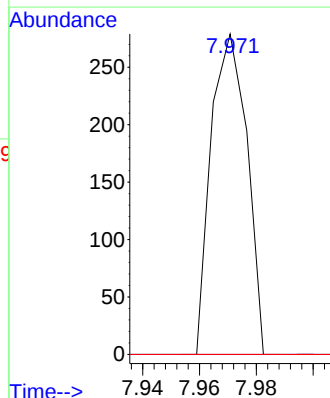
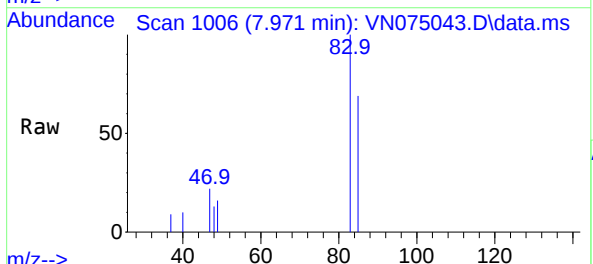
Instrument :
MSVOA_N
ClientSampleId :
MH-3-WC

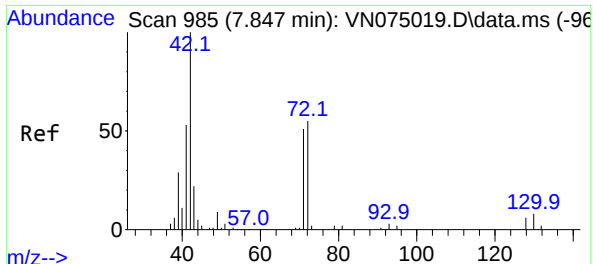
Tgt Ion: 43 Resp: 1703
Ion Ratio Lower Upper
43 100
72 18.0 25.5 38.3#



#28
Bromochloromethane
Concen: 0.245 ug/l
RT: 7.971 min Scan# 1006
Delta R.T. 0.153 min
Lab File: VN075043.D
Acq: 27 Oct 2022 16:07

Tgt Ion: 49 Resp: 245
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.6
130 0.0 66.2 99.4#

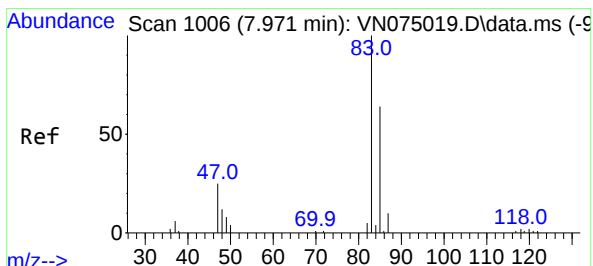
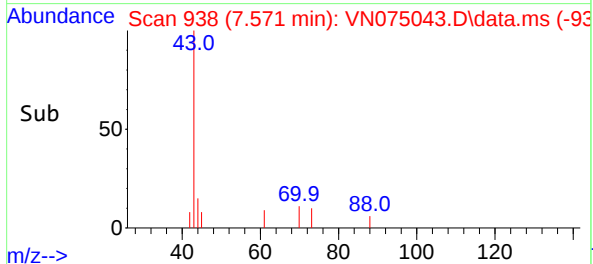
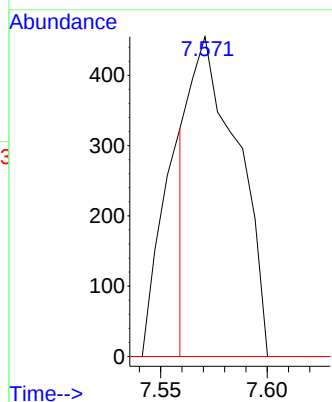
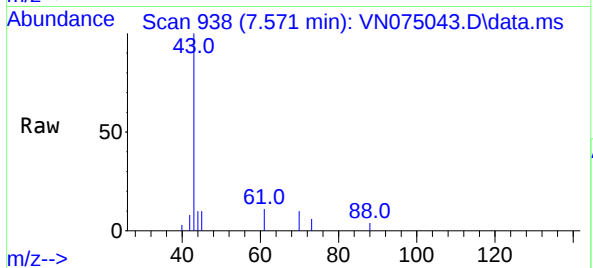




#29
Tetrahydrofuran
Concen: 1.114 ug/l
RT: 7.571 min Scan# 91
Delta R.T. -0.276 min
Lab File: VN075043.D
Acq: 27 Oct 2022 16:07

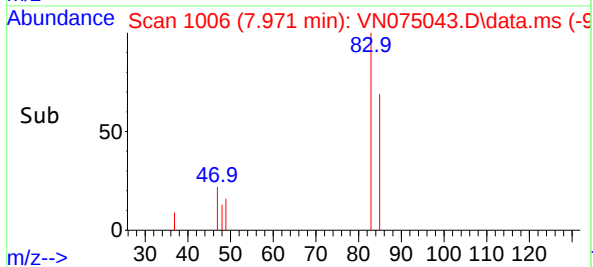
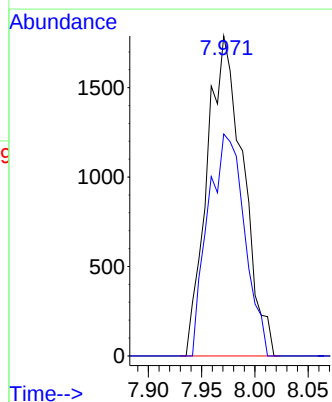
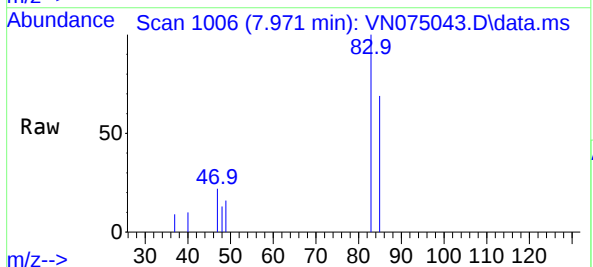
Instrument :
MSVOA_N
ClientSampleId :
MH-3-WC

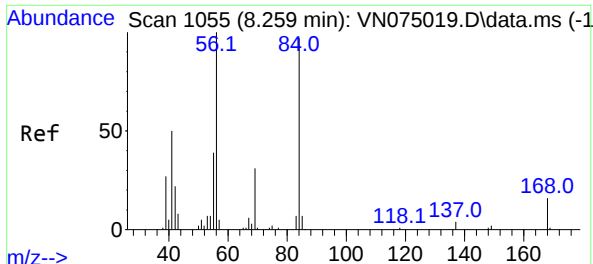
Tgt Ion: 42 Resp: 709
Ion Ratio Lower Upper
42 100
72 0.0 43.0 64.6#
71 0.0 39.9 59.9#



#30
Chloroform
Concen: 1.640 ug/l
RT: 7.971 min Scan# 1006
Delta R.T. -0.000 min
Lab File: VN075043.D
Acq: 27 Oct 2022 16:07

Tgt Ion: 83 Resp: 4222
Ion Ratio Lower Upper
83 100
85 69.4 51.4 77.0





#31

Cyclohexane

Concen: 1.312 ug/l

RT: 8.230 min Scan# 1105

Delta R.T. -0.029 min

Lab File: VN075043.D

Acq: 27 Oct 2022 16:07

Instrument :

MSVOA_N

ClientSampleId :

MH-3-WC

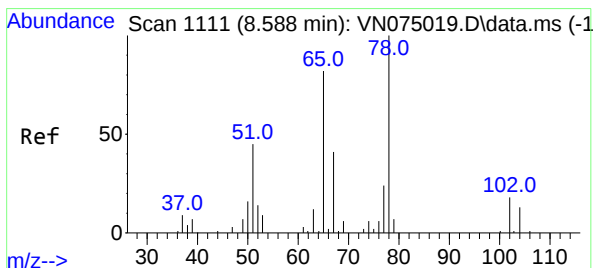
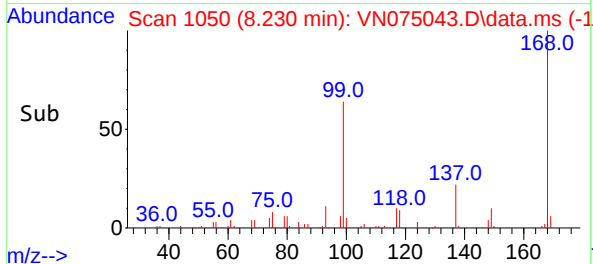
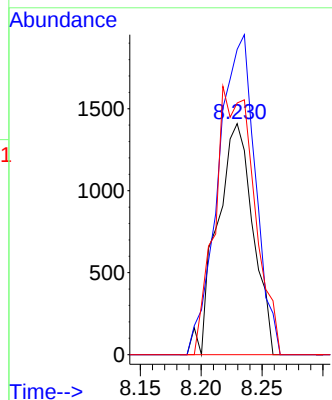
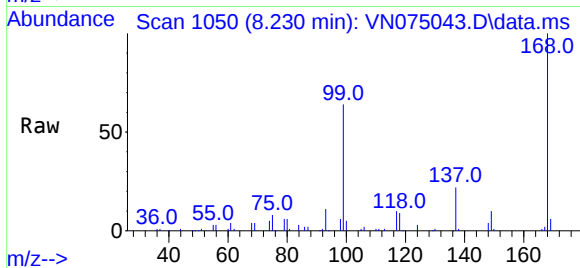
Tgt Ion: 56 Resp: 2886

Ion Ratio Lower Upper

56 100

69 132.2 25.2 37.8#

84 108.9 77.8 116.8



#33

1,2-Dichloroethane-d4

Concen: 58.353 ug/l

RT: 8.582 min Scan# 1110

Delta R.T. -0.006 min

Lab File: VN075043.D

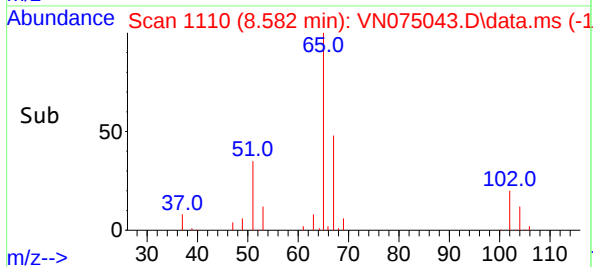
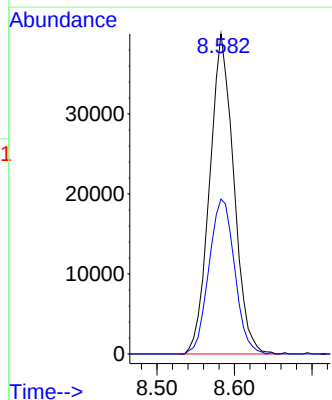
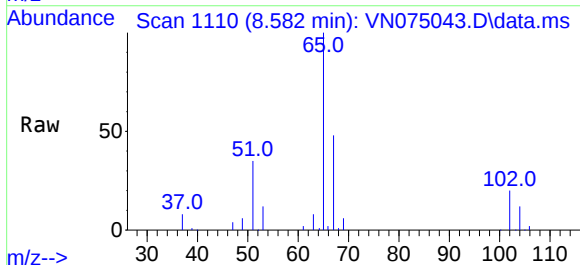
Acq: 27 Oct 2022 16:07

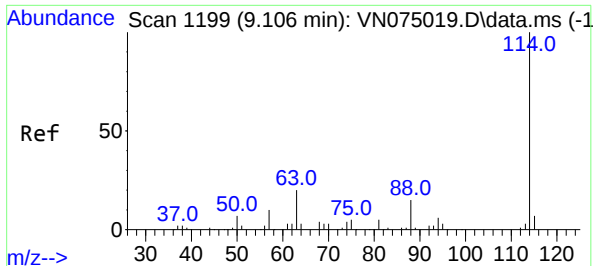
Tgt Ion: 65 Resp: 86280

Ion Ratio Lower Upper

65 100

67 51.6 0.0 102.0

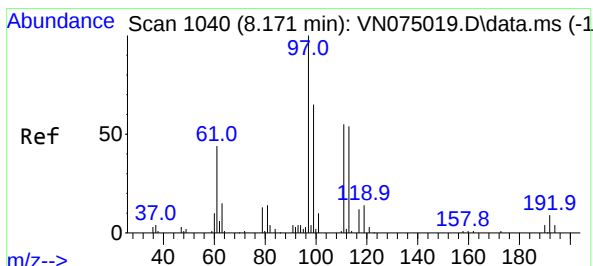
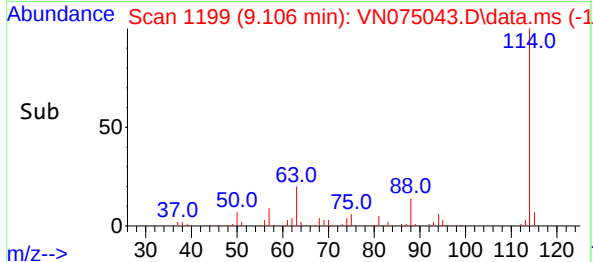
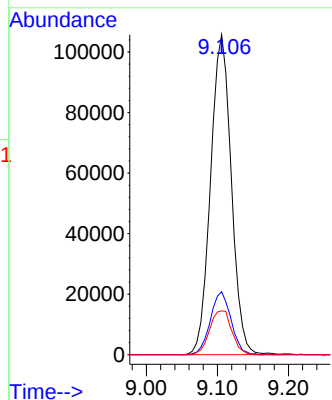
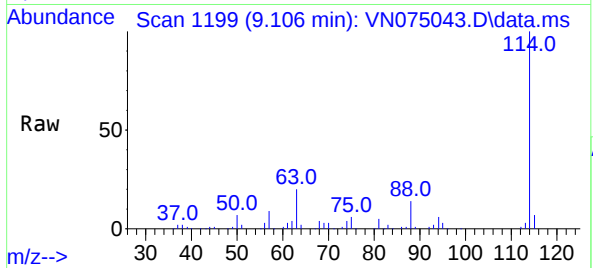




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN075043.D
Acq: 27 Oct 2022 16:07

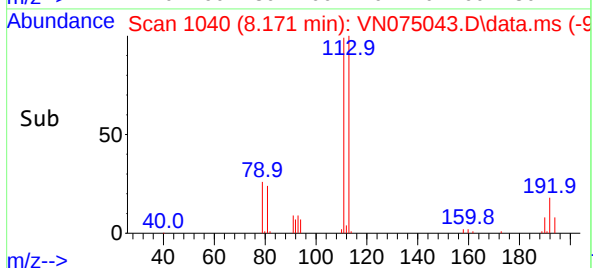
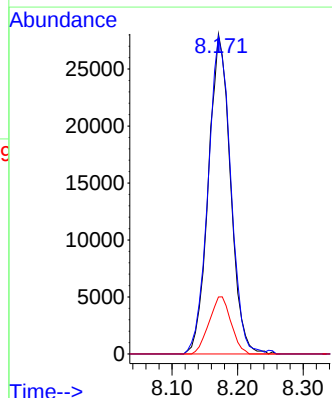
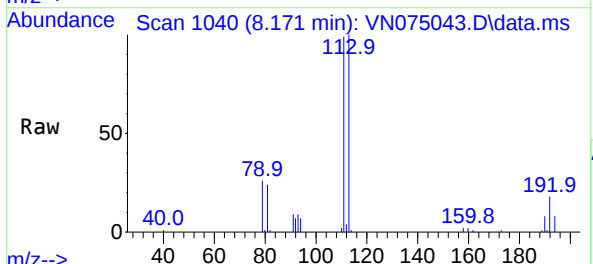
Instrument :
MSVOA_N
ClientSampleId :
MH-3-WC

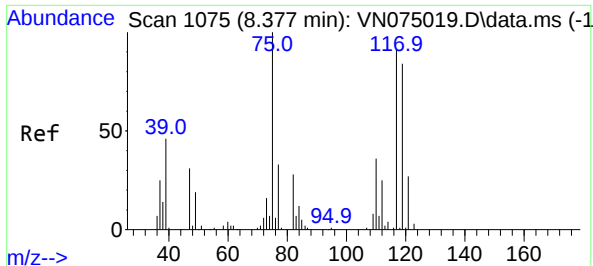
Tgt Ion:114 Resp: 214092
Ion Ratio Lower Upper
114 100
63 19.7 0.0 39.6
88 13.7 0.0 29.0



#35
Dibromofluoromethane
Concen: 51.924 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075043.D
Acq: 27 Oct 2022 16:07

Tgt Ion:113 Resp: 65259
Ion Ratio Lower Upper
113 100
111 102.3 80.5 120.7
192 17.8 13.2 19.8





#36

1,1-Dichloropropene

Concen: 4.818 ug/l

RT: 8.235 min Scan# 1075

Delta R.T. -0.142 min

Lab File: VN075043.D

Acq: 27 Oct 2022 16:07

Instrument :

MSVOA_N

ClientSampleId :

MH-3-WC

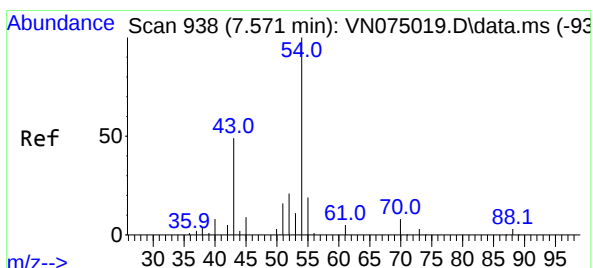
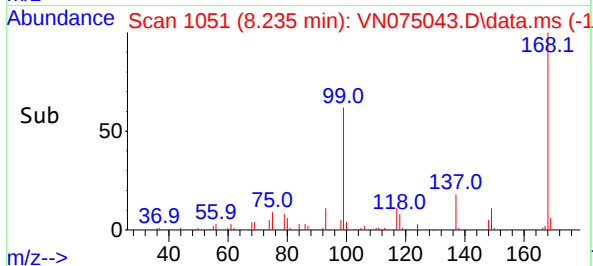
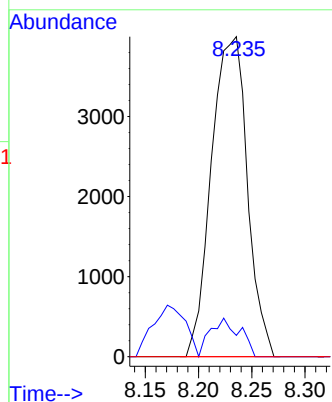
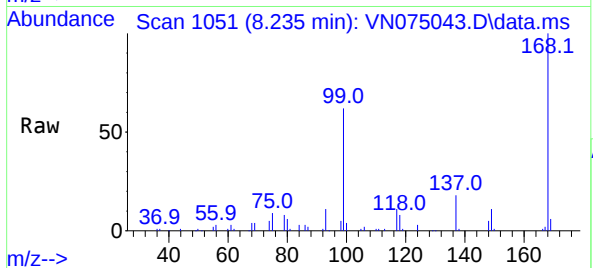
Tgt Ion: 75 Resp: 9375

Ion Ratio Lower Upper

75 100

110 9.9 17.8 53.3#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 5.679 ug/l

RT: 7.571 min Scan# 938

Delta R.T. -0.000 min

Lab File: VN075043.D

Acq: 27 Oct 2022 16:07

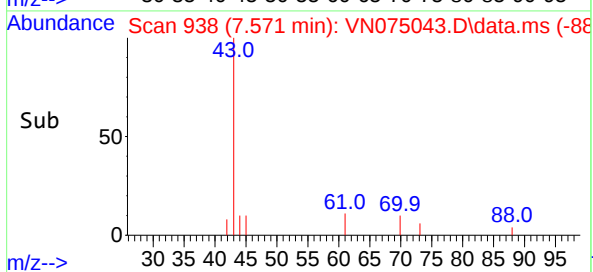
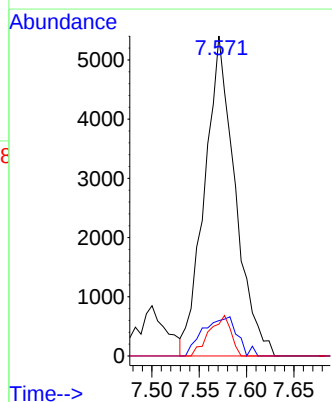
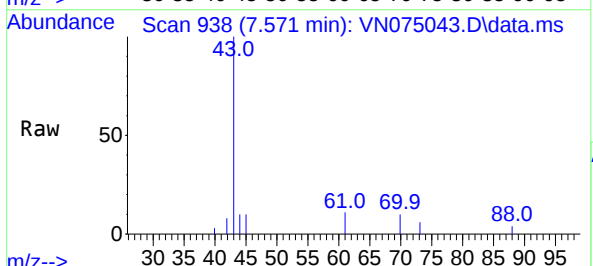
Tgt Ion: 43 Resp: 12118

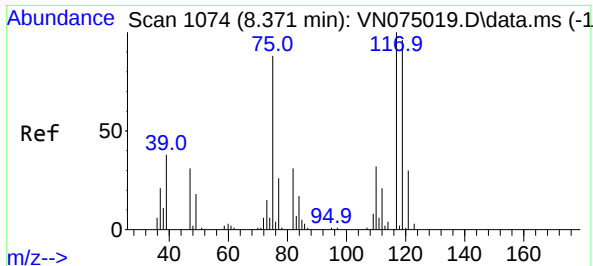
Ion Ratio Lower Upper

43 100

61 13.7 12.2 18.4

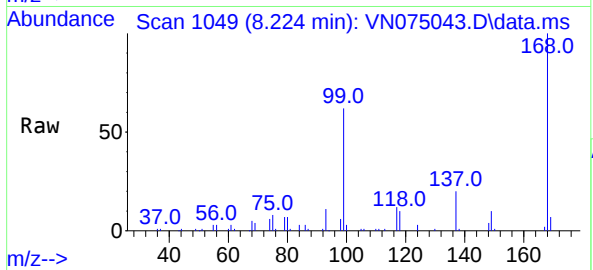
70 9.0 9.4 14.2#



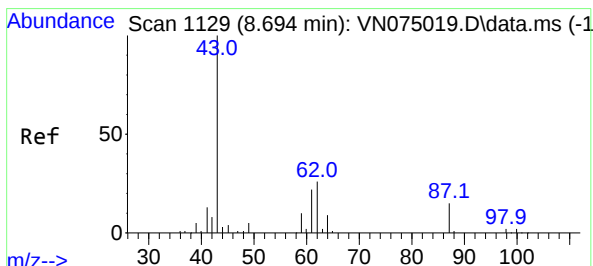
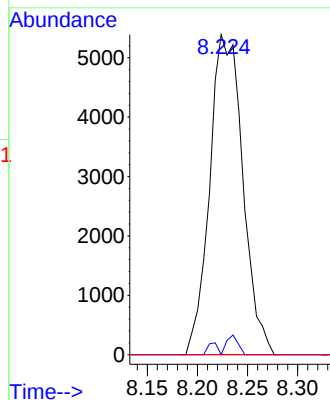
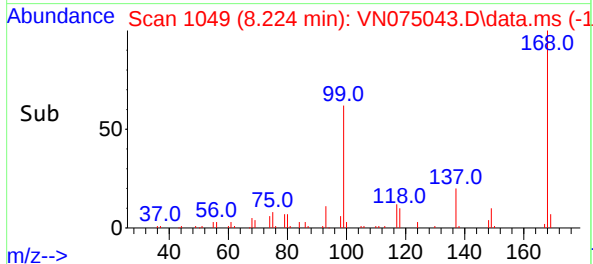


#38
Carbon Tetrachloride
Concen: 5.783 ug/l
RT: 8.224 min Scan# 110
Delta R.T. -0.147 min
Lab File: VN075043.D
Acq: 27 Oct 2022 16:07

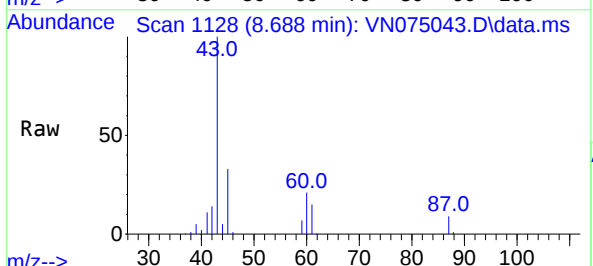
Instrument :
MSVOA_N
ClientSampleId :
MH-3-WC



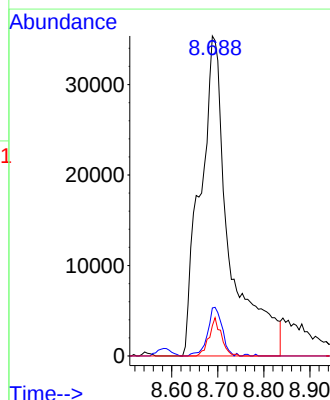
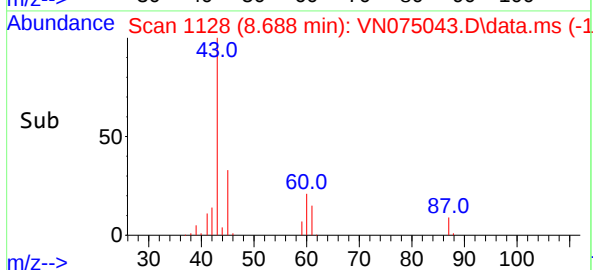
Tgt Ion:117 Resp: 12377
Ion Ratio Lower Upper
117 100
119 0.0 76.7 115.1#
121 0.0 23.9 35.9#

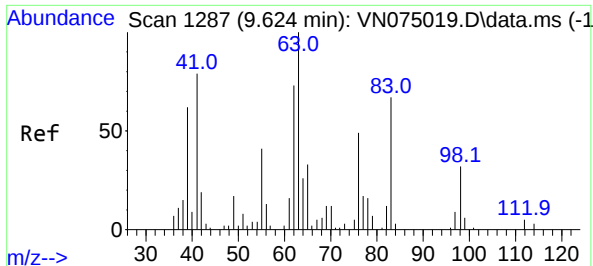


#43
Isopropyl Acetate
Concen: 47.215 ug/l
RT: 8.688 min Scan# 1128
Delta R.T. -0.006 min
Lab File: VN075043.D
Acq: 27 Oct 2022 16:07



Tgt Ion: 43 Resp: 156282
Ion Ratio Lower Upper
43 100
61 7.6 22.4 33.6#
87 5.0 12.5 18.7#





#45

1,2-Dichloropropane

Concen: 0.335 ug/l

RT: 9.753 min Scan# 11

Delta R.T. 0.129 min

Lab File: VN075043.D

Acq: 27 Oct 2022 16:07

Instrument :

MSVOA_N

ClientSampleId :

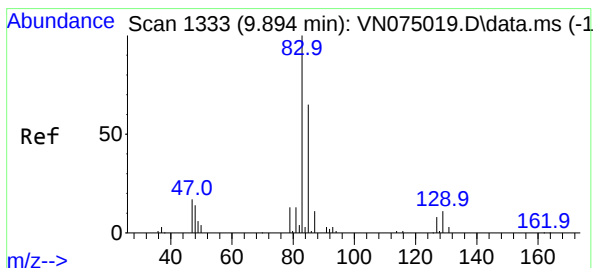
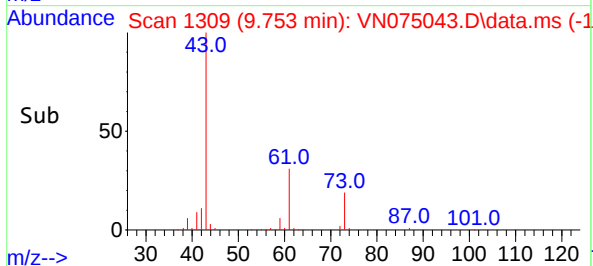
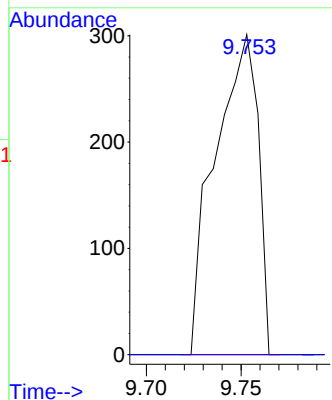
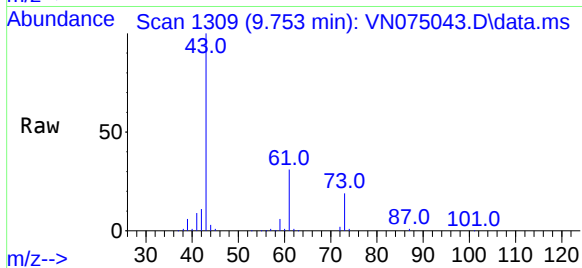
MH-3-WC

Tgt Ion: 63 Resp: 475

Ion Ratio Lower Upper

63 100

65 0.0 26.1 39.1#



#47

Bromodichloromethane

Concen: 0.901 ug/l

RT: 9.888 min Scan# 1332

Delta R.T. -0.006 min

Lab File: VN075043.D

Acq: 27 Oct 2022 16:07

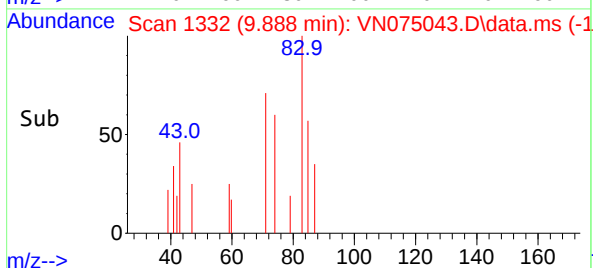
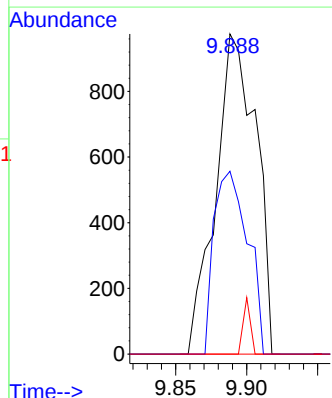
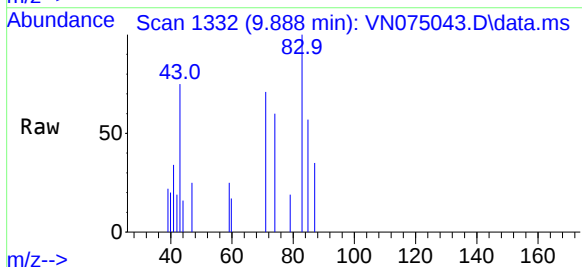
Tgt Ion: 83 Resp: 1928

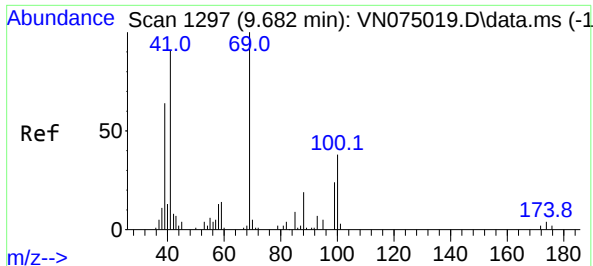
Ion Ratio Lower Upper

83 100

85 57.1 52.1 78.1

127 0.0 6.6 10.0#





#48

Methyl methacrylate

Concen: 1.159 ug/l

RT: 9.671 min Scan# 1297

Delta R.T. -0.011 min

Lab File: VN075043.D

Acq: 27 Oct 2022 16:07

Instrument :

MSVOA_N

ClientSampleId :

MH-3-WC

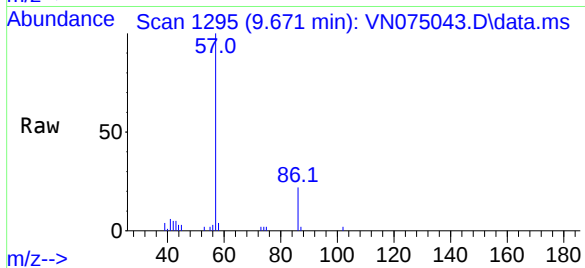
Tgt Ion: 41 Resp: 1760

Ion Ratio Lower Upper

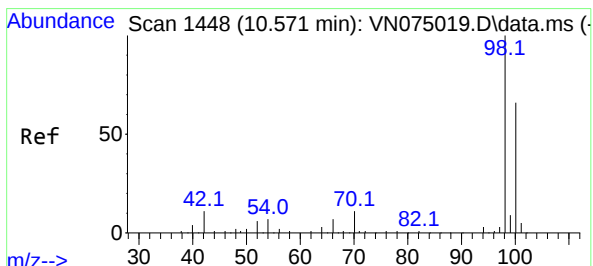
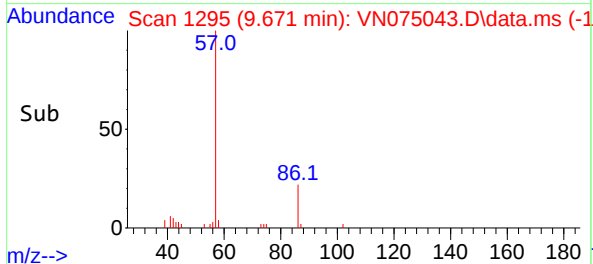
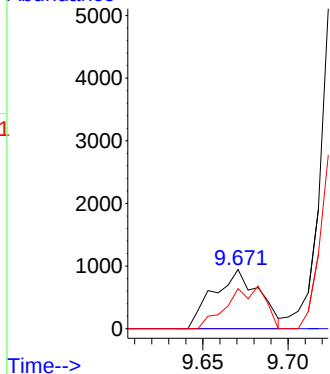
41 100

69 0.0 80.2 120.2#

39 59.7 56.2 84.2



Abundance



#50

Toluene-d8

Concen: 54.857 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. -0.000 min

Lab File: VN075043.D

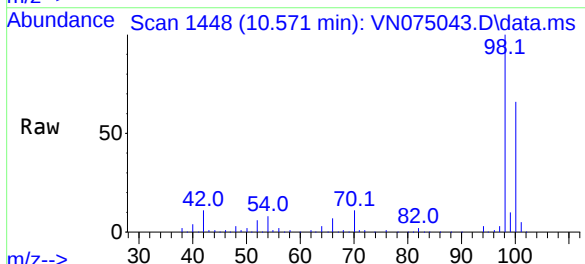
Acq: 27 Oct 2022 16:07

Tgt Ion: 98 Resp: 267490

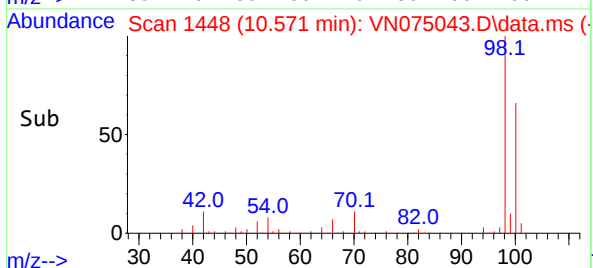
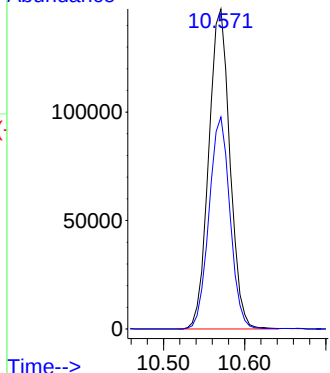
Ion Ratio Lower Upper

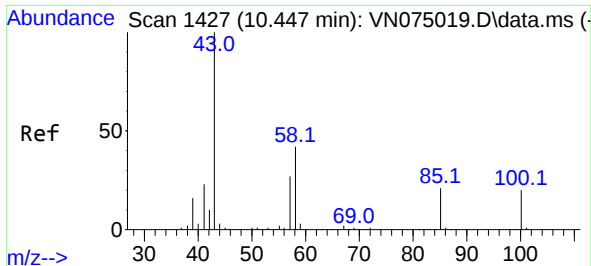
98 100

100 65.7 53.0 79.6



Abundance





#51

4-Methyl-2-Pentanone

Concen: 1.118 ug/l

RT: 10.447 min Scan# 1427

Delta R.T. 0.000 min

Lab File: VN075043.D

Acq: 27 Oct 2022 16:07

Instrument :

MSVOA_N

ClientSampleId :

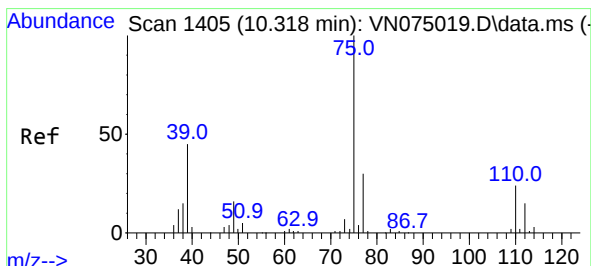
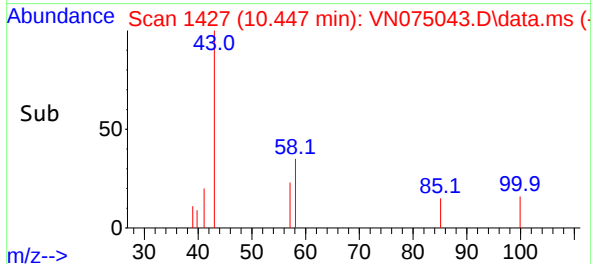
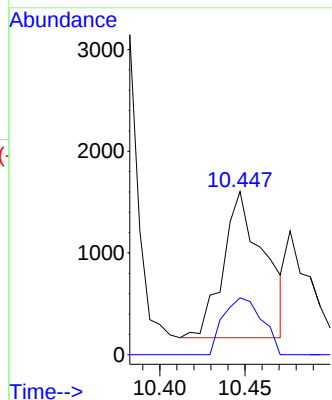
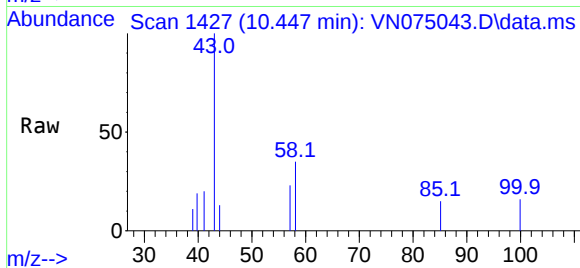
MH-3-WC

Tgt Ion: 43 Resp: 2387

Ion Ratio Lower Upper

43 100

58 37.2 33.6 50.4



#54

cis-1,3-Dichloropropene

Concen: 7.168 ug/l

RT: 10.365 min Scan# 1413

Delta R.T. 0.047 min

Lab File: VN075043.D

Acq: 27 Oct 2022 16:07

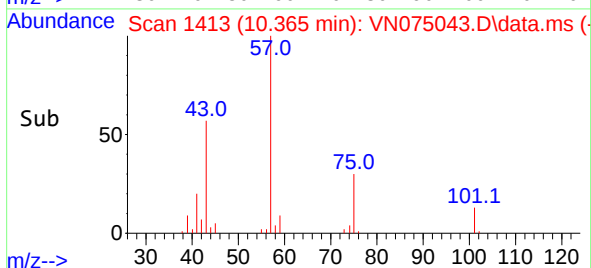
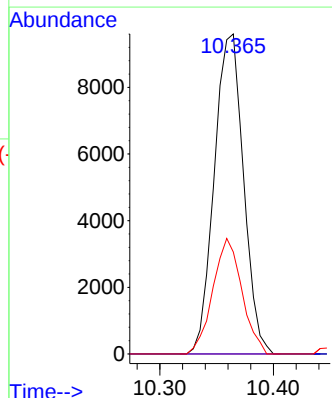
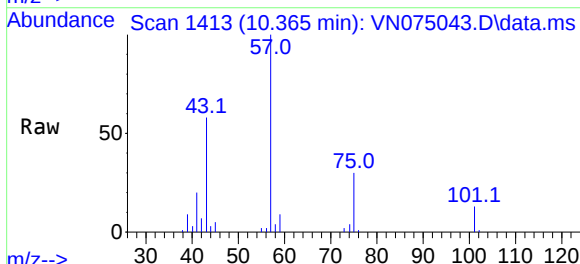
Tgt Ion: 75 Resp: 17165

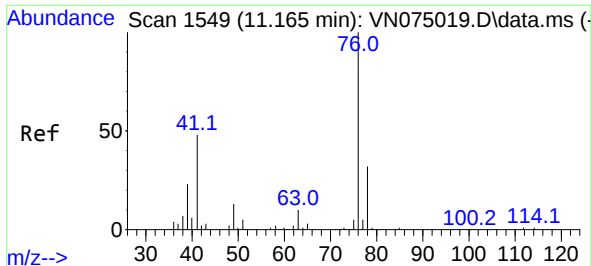
Ion Ratio Lower Upper

75 100

77 0.0 23.7 35.5#

39 31.8 35.8 53.6#





#57

1,3-Dichloropropane

Concen: 0.891 ug/l

RT: 11.206 min Scan# 1556

Delta R.T. 0.041 min

Lab File: VN075043.D

Acq: 27 Oct 2022 16:07

Instrument :

MSVOA_N

ClientSampleId :

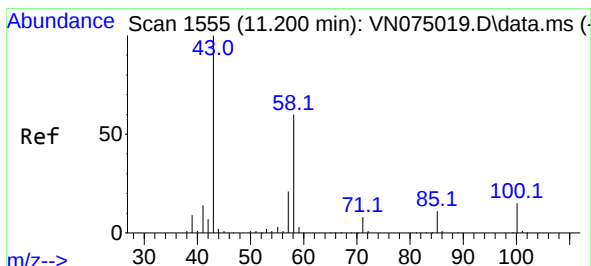
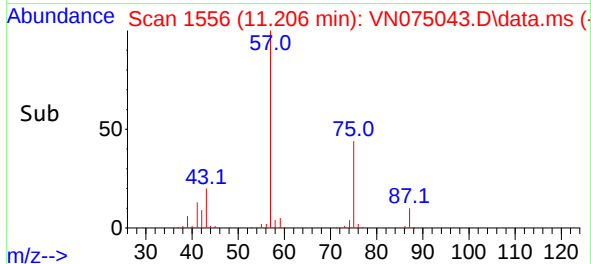
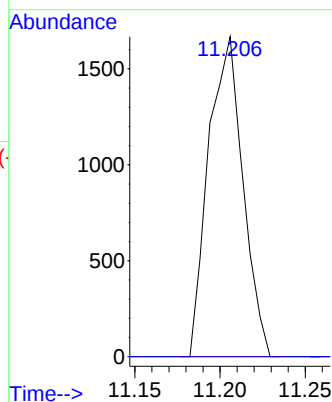
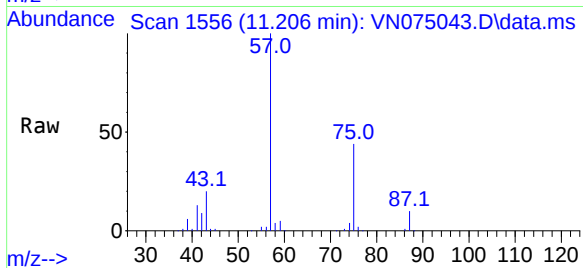
MH-3-WC

Tgt Ion: 76 Resp: 2344

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 18.098 ug/l

RT: 11.206 min Scan# 1556

Delta R.T. 0.006 min

Lab File: VN075043.D

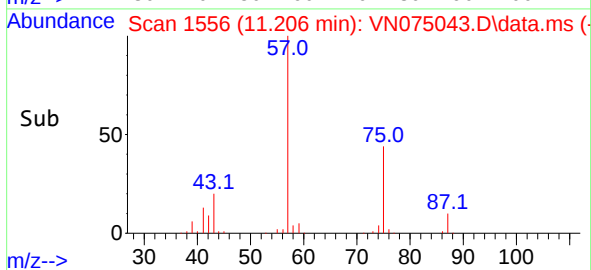
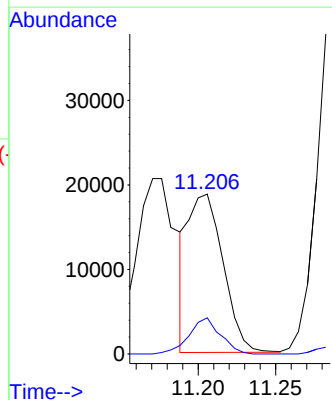
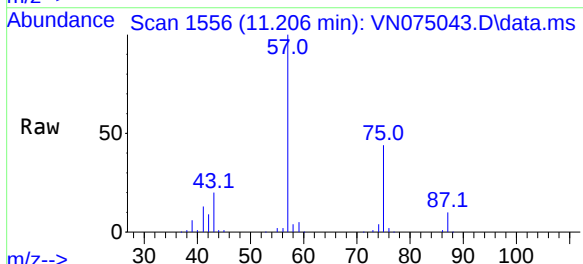
Acq: 27 Oct 2022 16:07

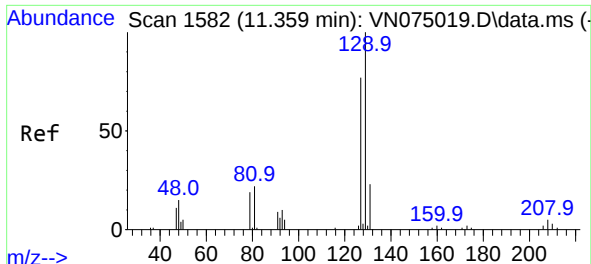
Tgt Ion: 43 Resp: 29338

Ion Ratio Lower Upper

43 100

58 20.5 29.6 88.8#

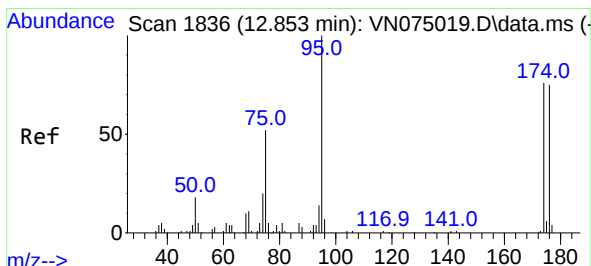
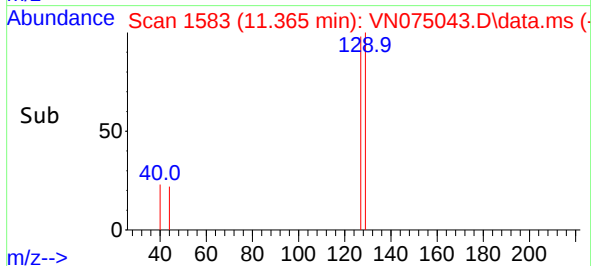
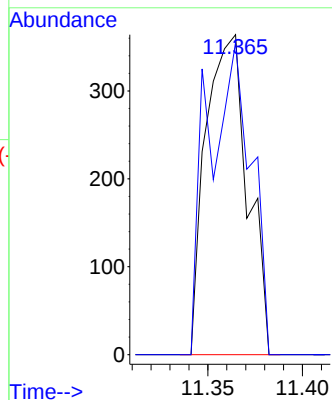
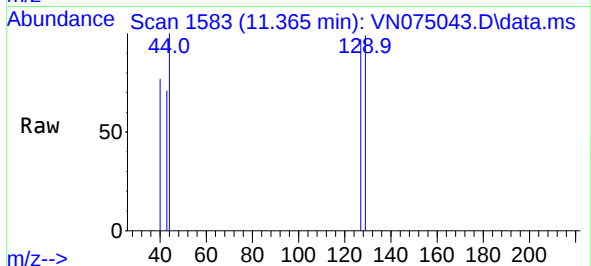




#60
Dibromochloromethane
Concen: 0.336 ug/l
RT: 11.365 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN075043.D
Acq: 27 Oct 2022 16:07

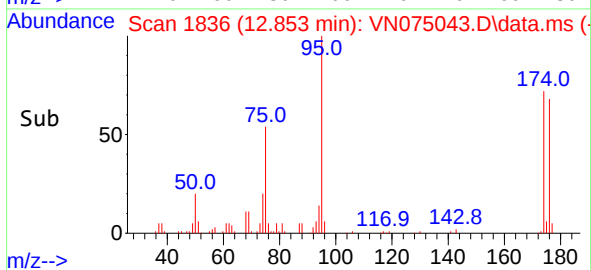
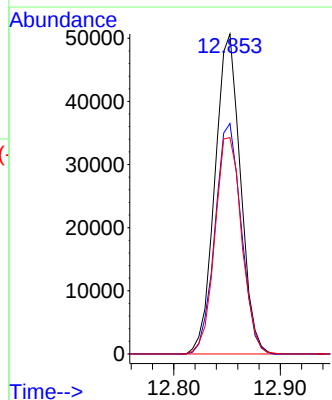
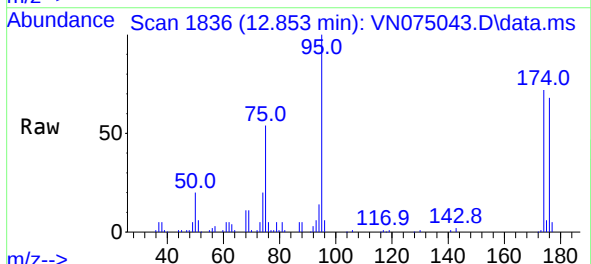
Instrument :
MSVOA_N
ClientSampleId :
MH-3-WC

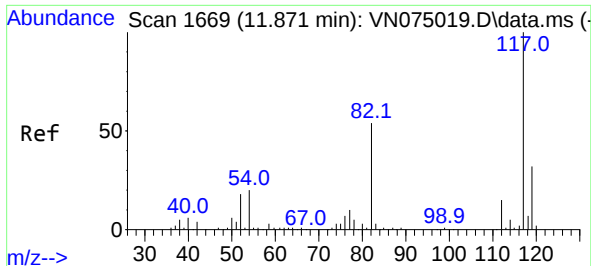
Tgt Ion:129 Resp: 560
Ion Ratio Lower Upper
129 100
127 100.2 38.6 115.8



#62
4-Bromofluorobenzene
Concen: 49.219 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075043.D
Acq: 27 Oct 2022 16:07

Tgt Ion: 95 Resp: 84308
Ion Ratio Lower Upper
95 100
174 73.9 0.0 147.4
176 71.0 0.0 142.2

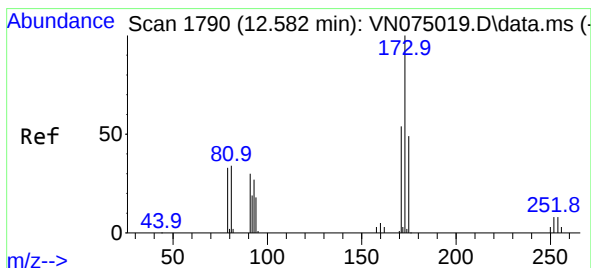
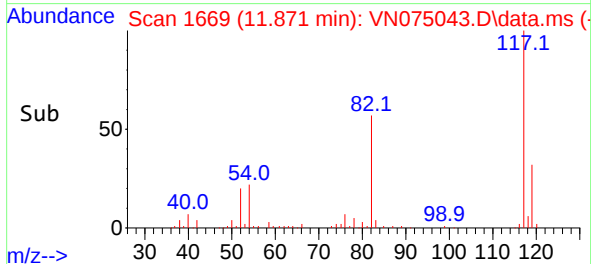
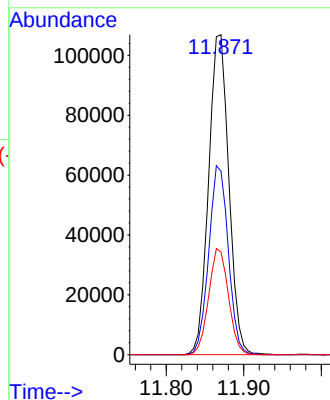
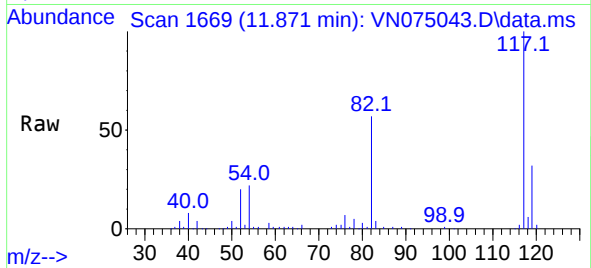




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN075043.D
Acq: 27 Oct 2022 16:07

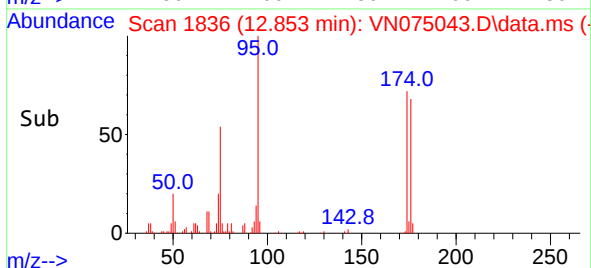
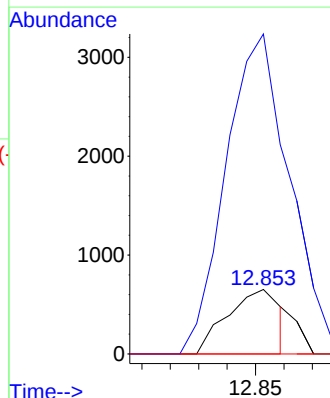
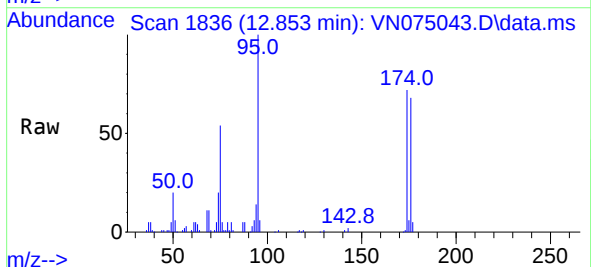
Instrument :
MSVOA_N
ClientSampleId :
MH-3-WC

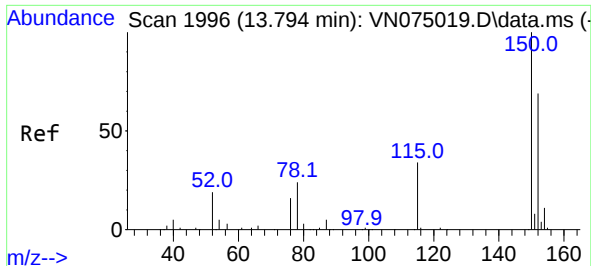
Tgt Ion:117 Resp: 193657
Ion Ratio Lower Upper
117 100
82 57.3 43.1 64.7
119 32.1 25.5 38.3



#71
Bromoform
Concen: 0.736 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN075043.D
Acq: 27 Oct 2022 16:07

Tgt Ion:173 Resp: 845
Ion Ratio Lower Upper
173 100
175 495.4 24.6 74.0#
254 0.0 0.0 0.0

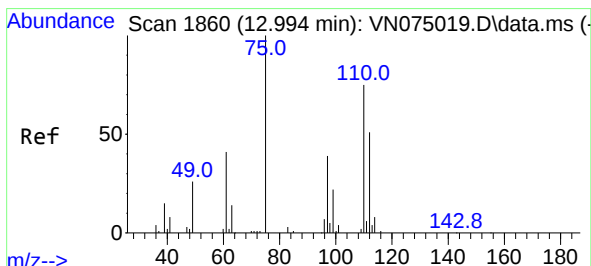
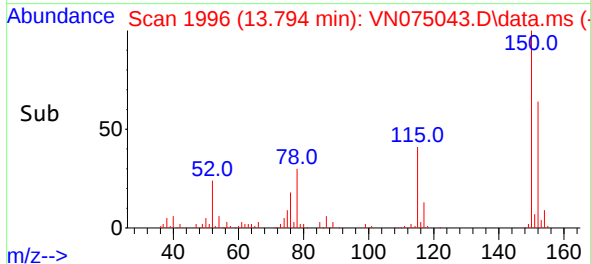
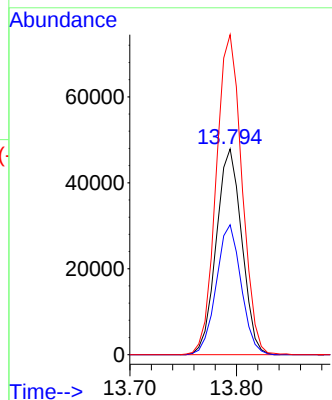
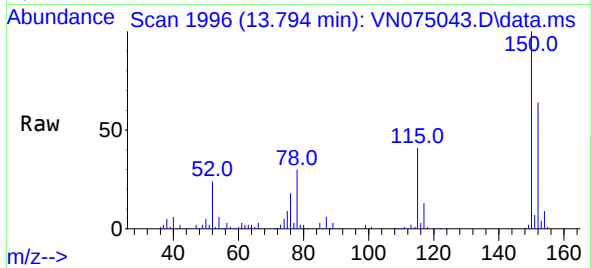




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075043.D
Acq: 27 Oct 2022 16:07

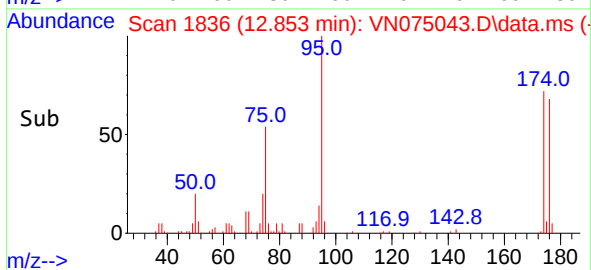
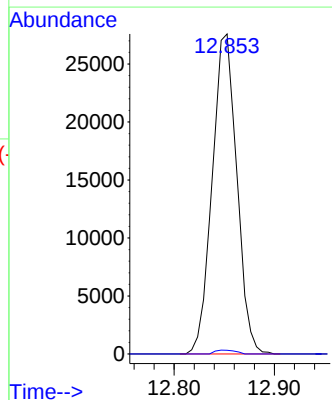
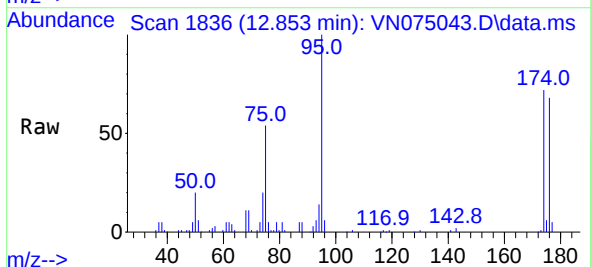
Instrument :
MSVOA_N
ClientSampleId :
MH-3-WC

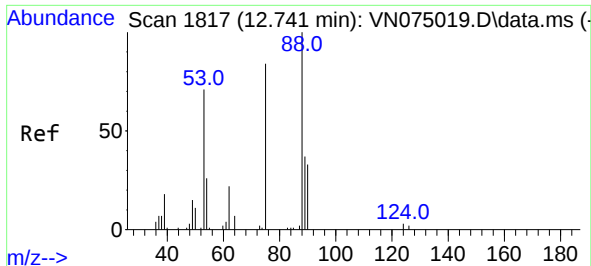
Tgt Ion:152 Resp: 79550
Ion Ratio Lower Upper
152 100
115 61.7 30.2 90.6
150 157.0 0.0 348.4



#76
1,2,3-Trichloropropane
Concen: 27.856 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075043.D
Acq: 27 Oct 2022 16:07

Tgt Ion: 75 Resp: 47051
Ion Ratio Lower Upper
75 100
77 1.0 75.6 226.8#

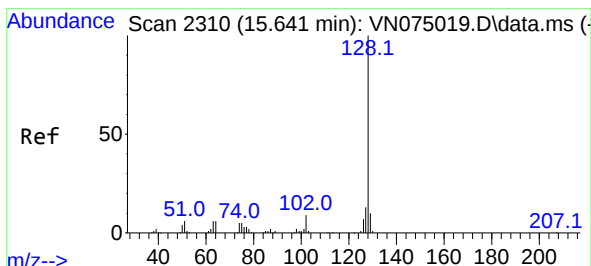
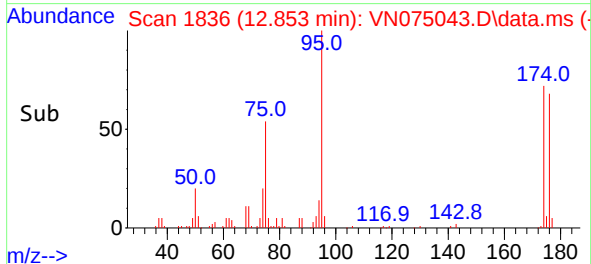
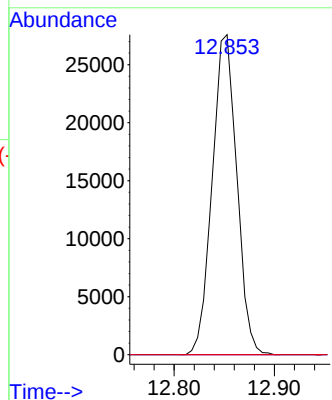
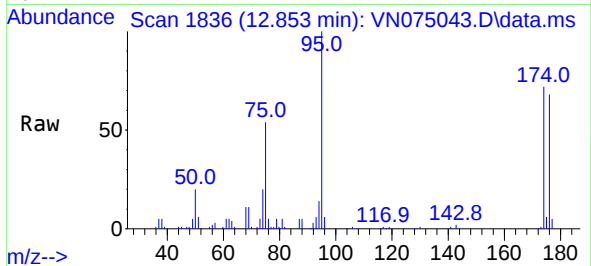




#81
trans-1,4-Dichloro-2-butene
Concen: 71.507 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN075043.D
Acq: 27 Oct 2022 16:07

Instrument :
MSVOA_N
ClientSampleId :
MH-3-WC

Tgt Ion: 75 Resp: 47051
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#



#95
Naphthalene
Concen: 0.558 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. -0.000 min
Lab File: VN075043.D
Acq: 27 Oct 2022 16:07

Tgt Ion:128 Resp: 2529
Ion Ratio Lower Upper
128 100
127 7.9 10.4 15.6#
129 4.7 8.6 12.8#

