

Data File : VN061216.D
Acq On : 30 Apr 2020 20:57
Operator : JC/MD
Sample : L2453-08
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-8

Quant Time: May 01 02:22:58 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 29 08:14:26 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	117122	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	207531	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	196659	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	88585	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	88827	47.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.86%	
35) Dibromofluoromethane	7.55	113	60605	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
50) Toluene-d8	10.06	98	258054	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	
62) 4-Bromofluorobenzene	12.38	95	95960	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	

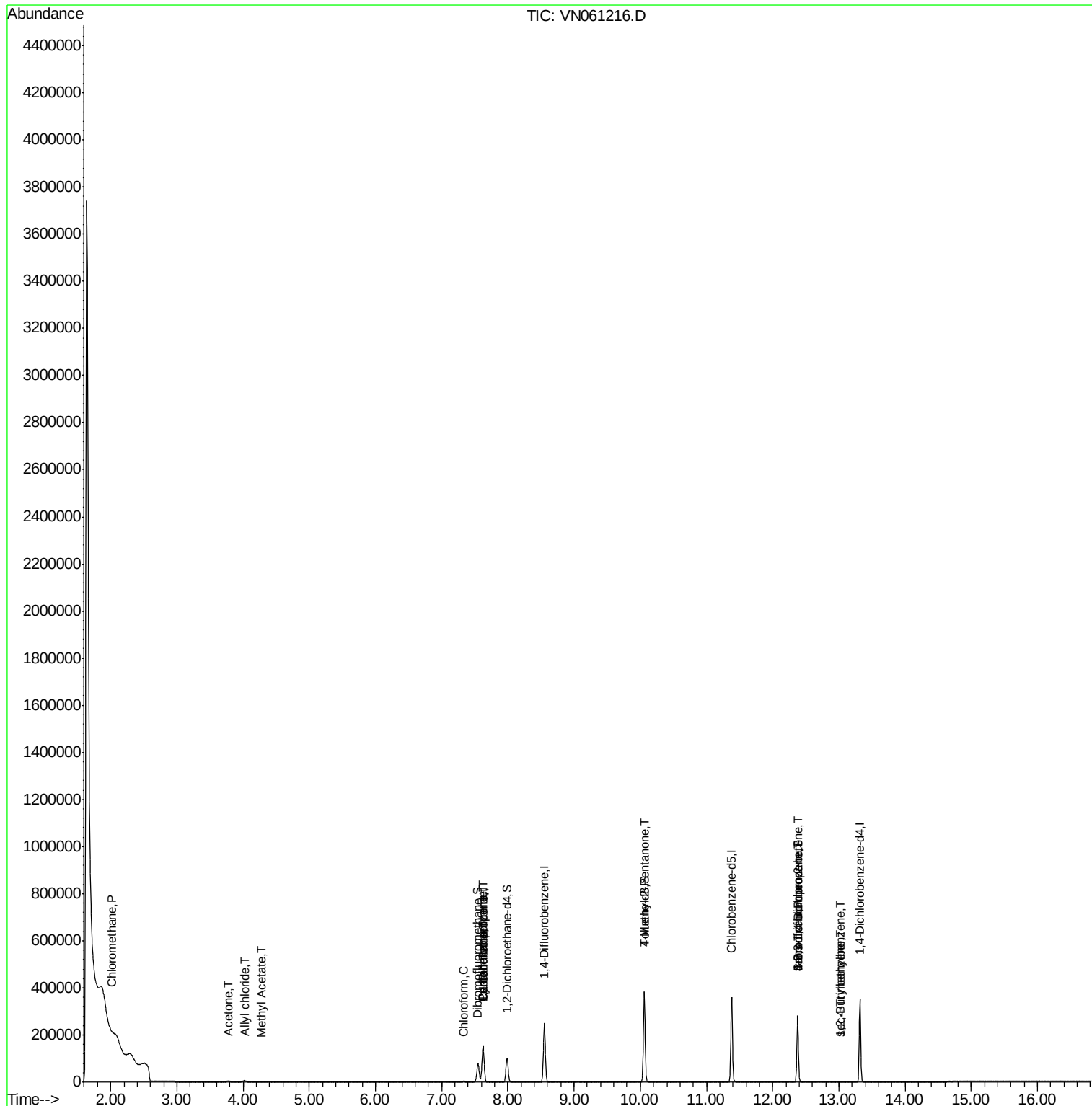
Target Compounds			Qvalue			
3) Chloromethane	2.03	50	337	0.224	ug/l #	42
14) Allyl chloride	4.02	41	1058	0.462	ug/l #	69
16) Acetone	3.78	43	8603	6.625	ug/l	93
18) Methyl Acetate	4.27	43	91	0.717	ug/l #	55
30) Chloroform	7.33	83	2986	1.061	ug/l	95
31) Cyclohexane	7.63	56	2814	1.044	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	10338	4.976	ug/l #	50
38) Carbon Tetrachloride	7.63	117	12055	8.356	ug/l #	17
51) 4-Methyl-2-Pentanone	10.06	43	1201	0.505	ug/l #	1
71) Bromoform	12.38	173	398	0.388	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	52071	27.881	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	52071	70.804	ug/l #	8
84) 1,2,4-Trimethylbenzene	13.02	105	1302	0.234	ug/l	90
85) sec-Butylbenzene	13.02	105	1302	0.210	ug/l #	58

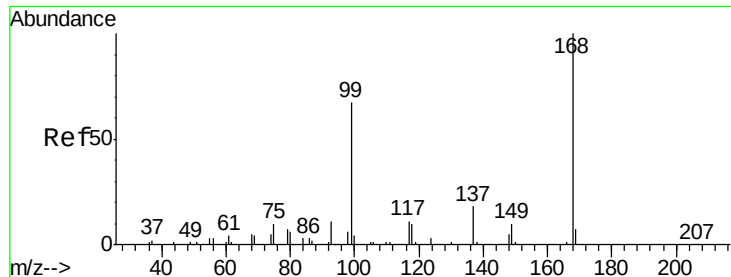
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VN061216.D

Acq: 30 Apr 2020 20:57

Instrument :

MSVOA_N

ClientSampled :

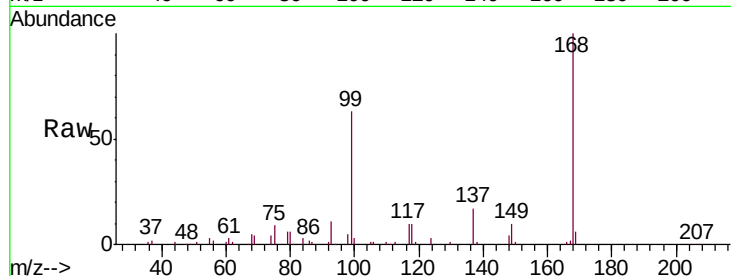
MW-8

Tgt Ion: 168 Resp: 117122

Ion Ratio Lower Upper

168 100

99 62.7 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): VN061216.D (-168) (-)

Ion 98.90 (98.60 to 99.60): VN061216.D (-99) (-)

7.63

50000

40000

30000

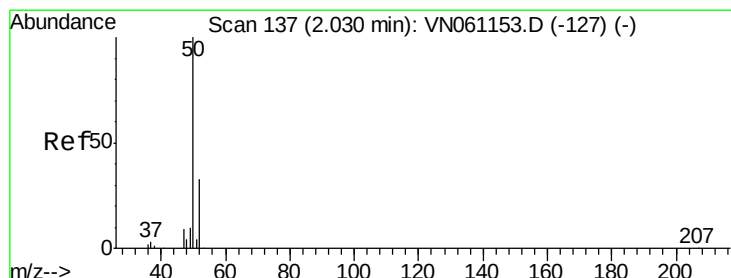
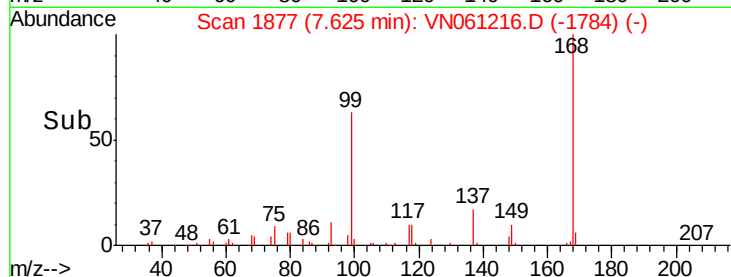
20000

10000

0

7.55 7.60 7.65 7.70

Time-->



#3

Chloromethane

Concen: 0.224 ug/l

RT: 2.03 min Scan# 138

Delta R.T. 0.00 min

Lab File: VN061216.D

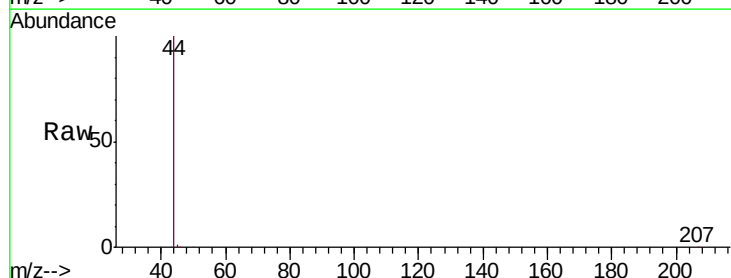
Acq: 30 Apr 2020 20:57

Tgt Ion: 50 Resp: 337

Ion Ratio Lower Upper

50 100

52 0.0 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VN061216.D (-50) (-)

Ion 51.90 (51.60 to 52.60): VN061216.D (-52) (-)

2.03

300

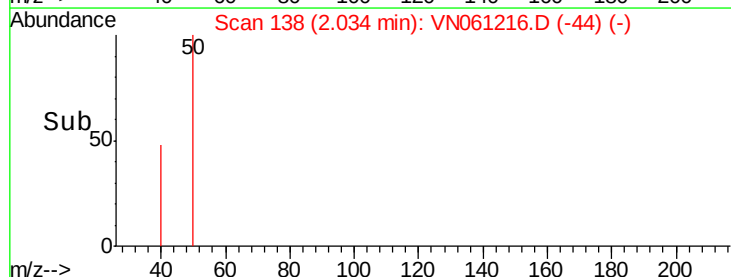
200

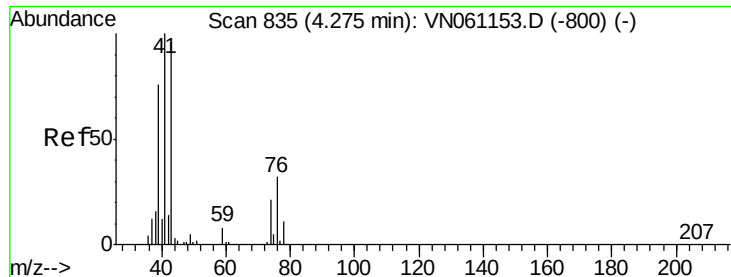
100

0

2.02 2.04 2.06

Time-->

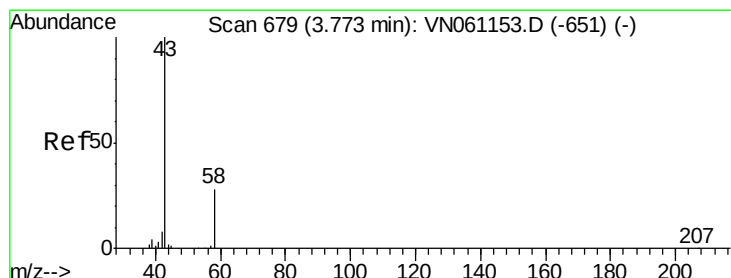
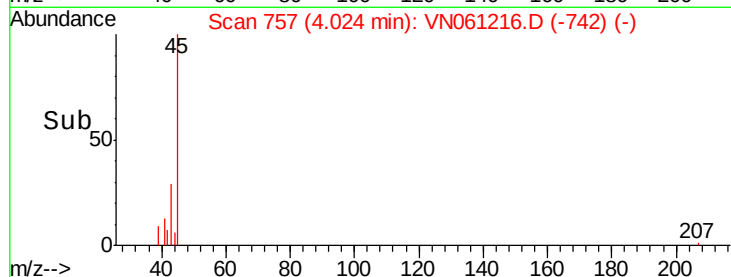
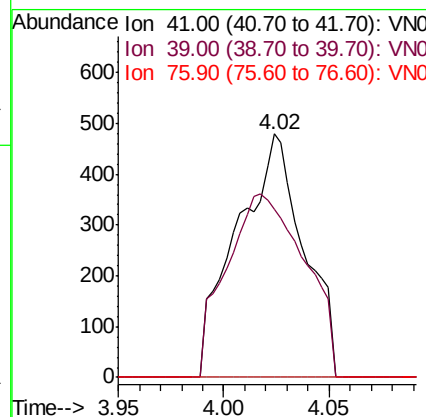
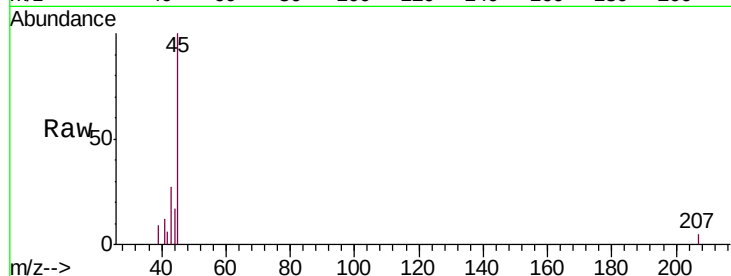




#14
 Allyl chloride
 Concen: 0.462 ug/l
 RT: 4.02 min Scan# 757
 Delta R.T. -0.25 min
 Lab File: VN061216.D
 Acq: 30 Apr 2020 20:57

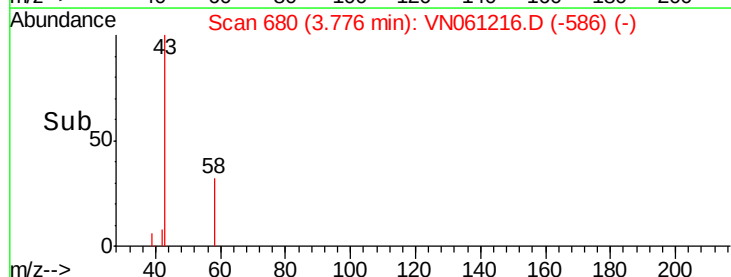
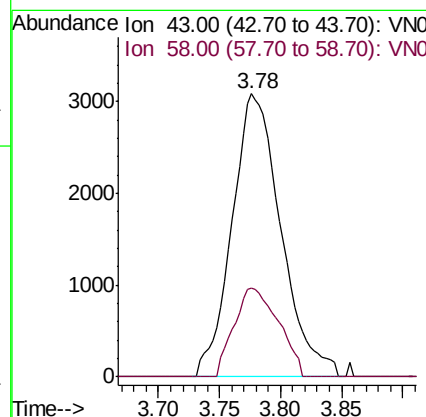
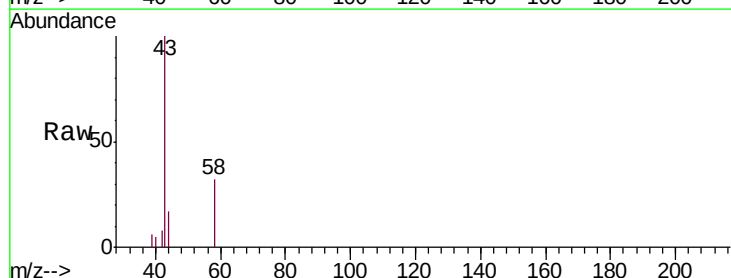
Instrument :
 MSVOA_N
 ClientSampled :
 MW-8

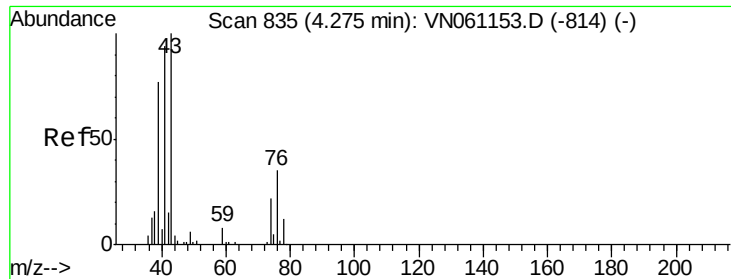
Tgt Ion: 41 Resp: 1058
 Ion Ratio Lower Upper
 41 100
 39 88.1 57.1 85.7#
 76 0.0 24.3 36.5#



#16
 Acetone
 Concen: 6.625 ug/l
 RT: 3.78 min Scan# 680
 Delta R.T. 0.00 min
 Lab File: VN061216.D
 Acq: 30 Apr 2020 20:57

Tgt Ion: 43 Resp: 8603
 Ion Ratio Lower Upper
 43 100
 58 31.5 22.2 33.2

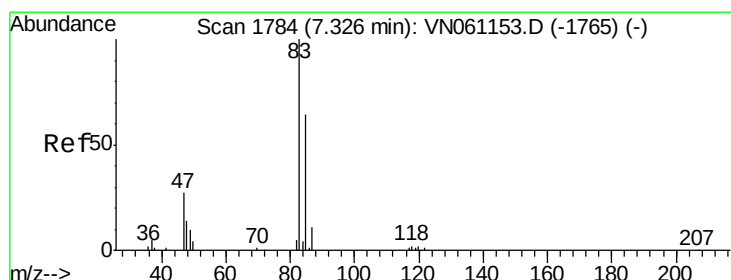
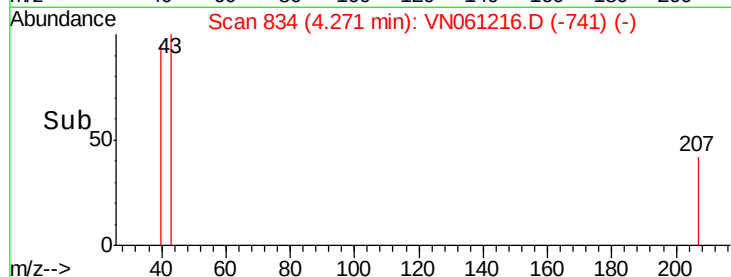
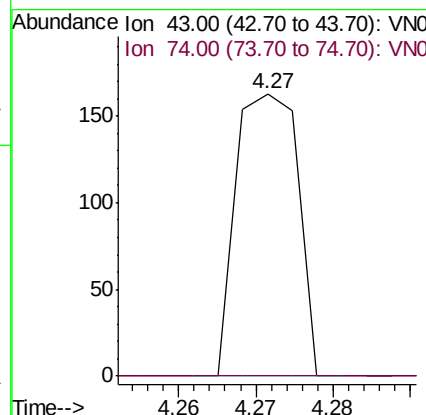
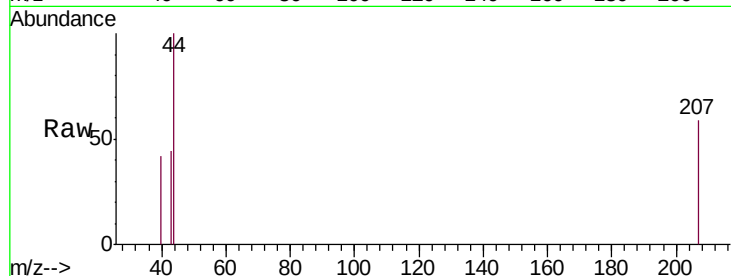




#18
Methyl Acetate
Concen: 0.717 ug/l
RT: 4.27 min Scan# 834
Delta R.T. -0.00 min
Lab File: VN061216.D
Acq: 30 Apr 2020 20:57

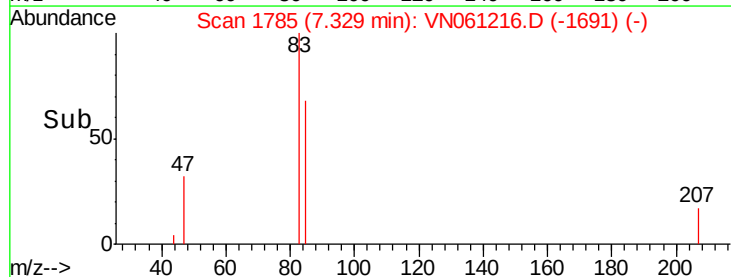
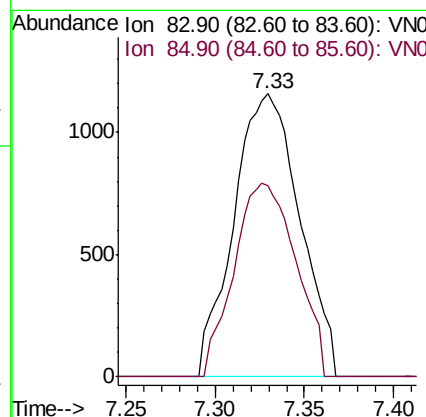
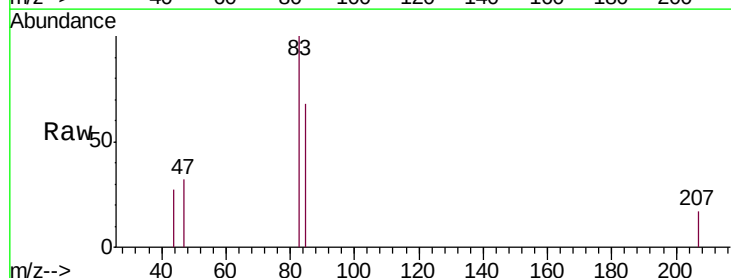
Instrument :
MSVOA_N
ClientSampled :
MW-8

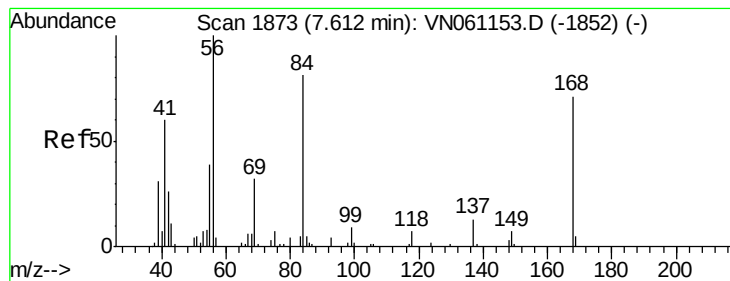
Tgt Ion: 43 Resp: 91
Ion Ratio Lower Upper
43 100
74 0.0 17.0 25.4#



#30
Chloroform
Concen: 1.061 ug/l
RT: 7.33 min Scan# 1785
Delta R.T. 0.00 min
Lab File: VN061216.D
Acq: 30 Apr 2020 20:57

Tgt Ion: 83 Resp: 2986
Ion Ratio Lower Upper
83 100
85 67.7 51.1 76.7

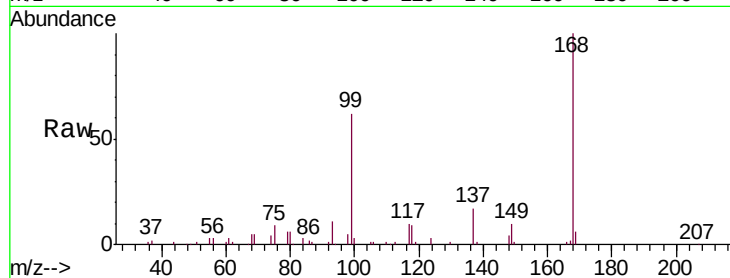




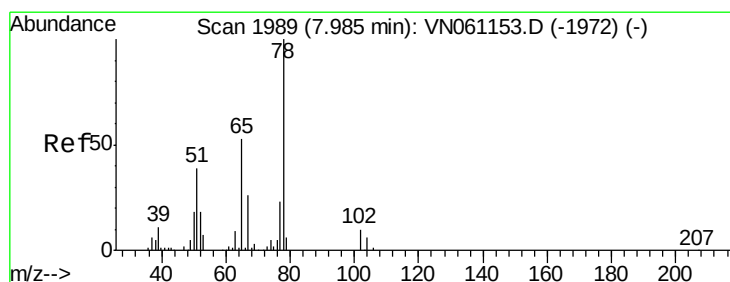
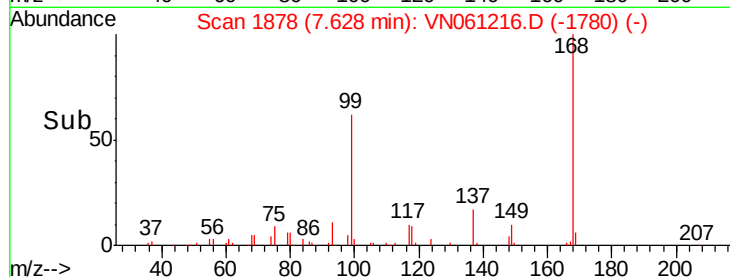
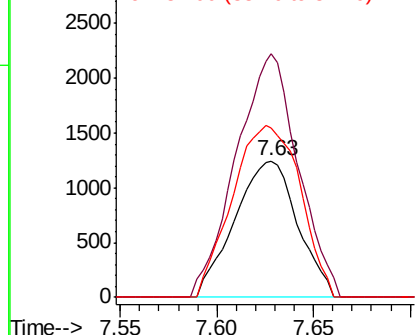
#31
Cyclohexane
Concen: 1.044 ug/l
RT: 7.63 min Scan# 1878
Delta R.T. 0.02 min
Lab File: VN061216.D
Acq: 30 Apr 2020 20:57

Instrument :
MSVOA_N
ClientSampleId :
MW-8

Tgt Ion: 56 Resp: 2814
Ion Ratio Lower Upper
56 100
69 178.3 25.7 38.5#
84 124.1 64.6 97.0#

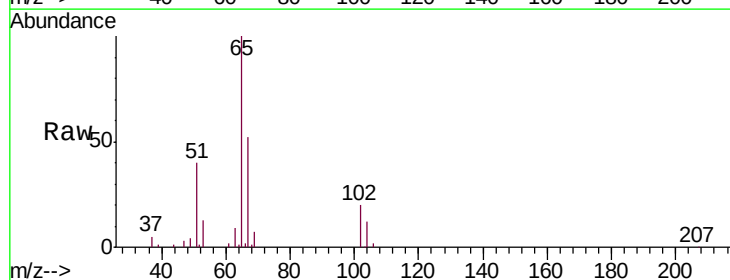


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

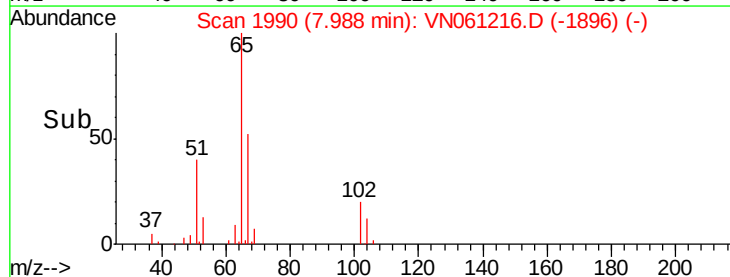
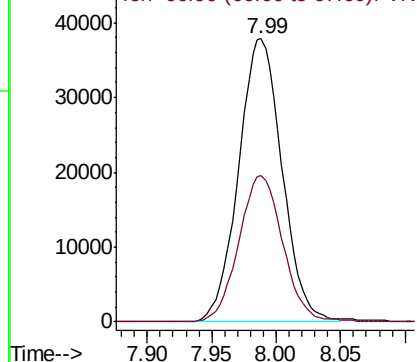


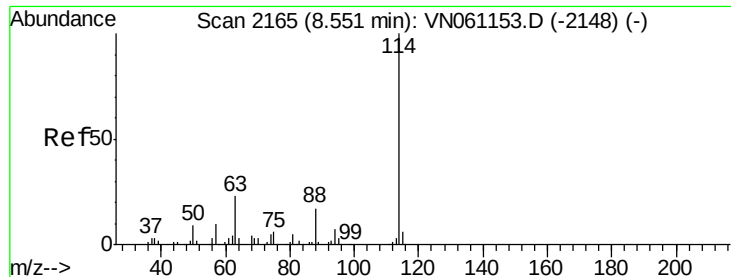
#33
1,2-Dichloroethane-d4
Concen: 47.931 ug/l
RT: 7.99 min Scan# 1990
Delta R.T. 0.00 min
Lab File: VN061216.D
Acq: 30 Apr 2020 20:57

Tgt Ion: 65 Resp: 88827
Ion Ratio Lower Upper
65 100
67 52.4 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

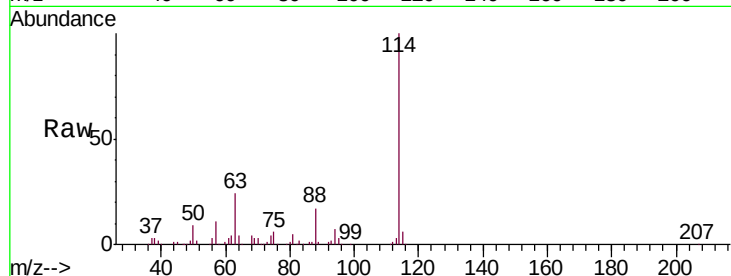




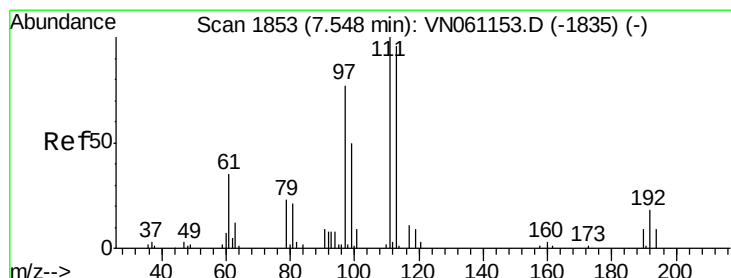
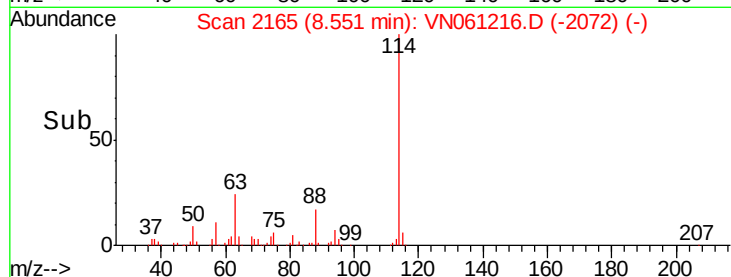
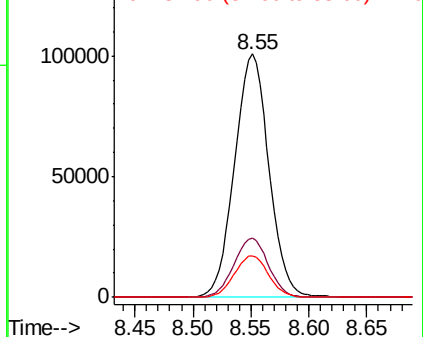
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VN061216.D
 Acq: 30 Apr 2020 20:57

Instrument :
 MSVOA_N
 ClientSampled :
 MW-8

Tgt Ion:114 Resp: 207531
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 46.6
 88 17.2 0.0 33.4

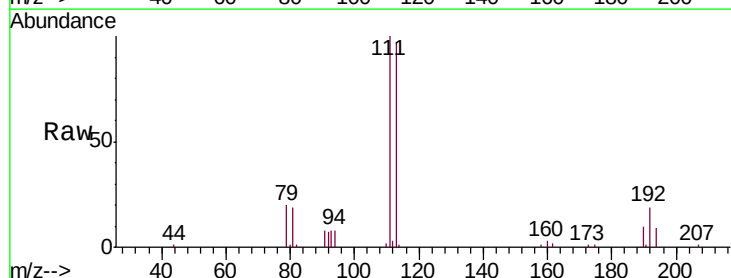


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

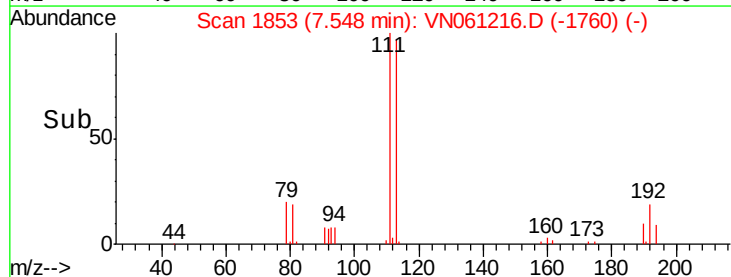
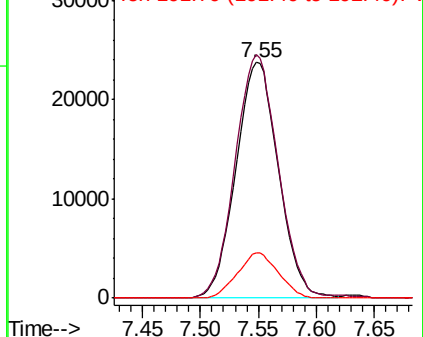


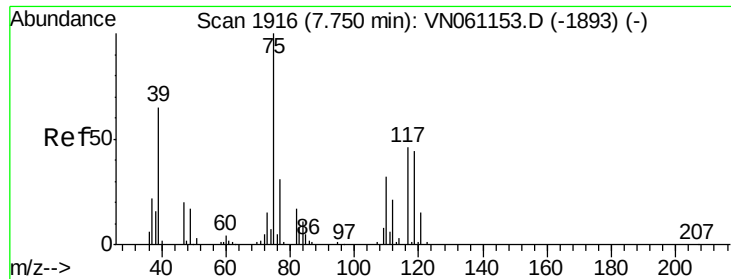
#35
 Dibromofluoromethane
 Concen: 49.386 ug/l
 RT: 7.55 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VN061216.D
 Acq: 30 Apr 2020 20:57

Tgt Ion:113 Resp: 60605
 Ion Ratio Lower Upper
 113 100
 111 104.5 82.9 124.3
 192 18.4 14.7 22.1



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

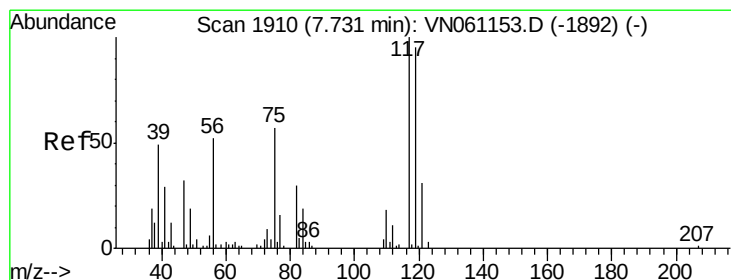
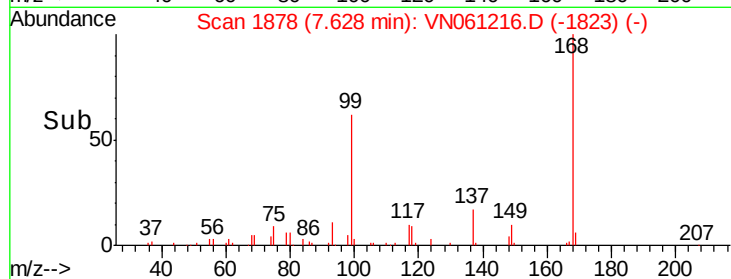
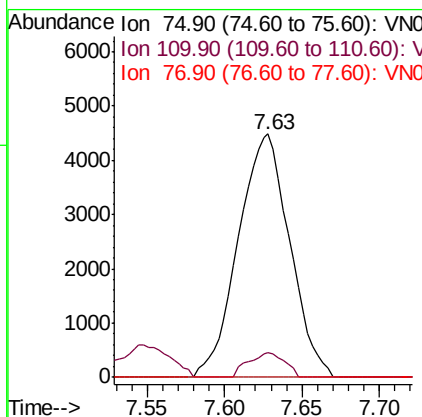
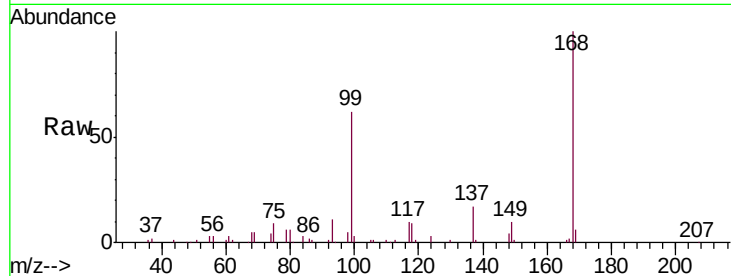




#36
 1,1-Dichloropropene
 Concen: 4.976 ug/l
 RT: 7.63 min Scan# 1878
 Delta R.T. -0.12 min
 Lab File: VN061216.D
 Acq: 30 Apr 2020 20:57

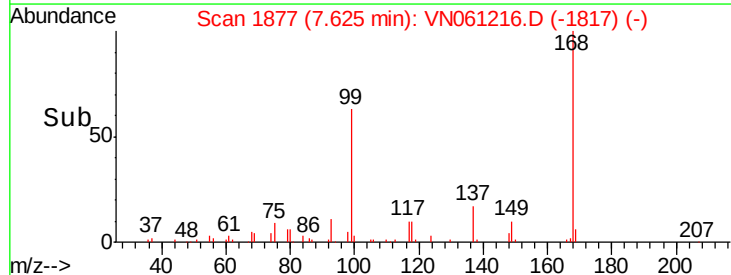
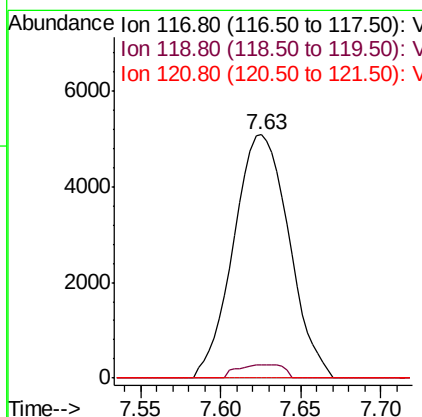
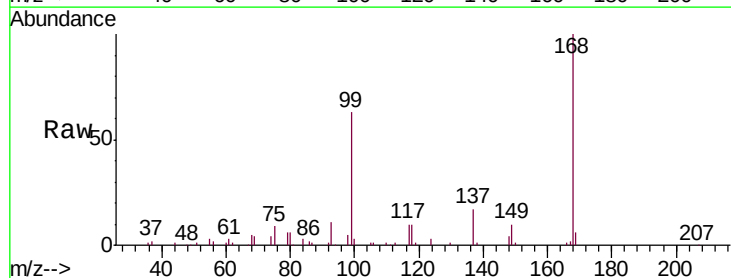
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 MW-8

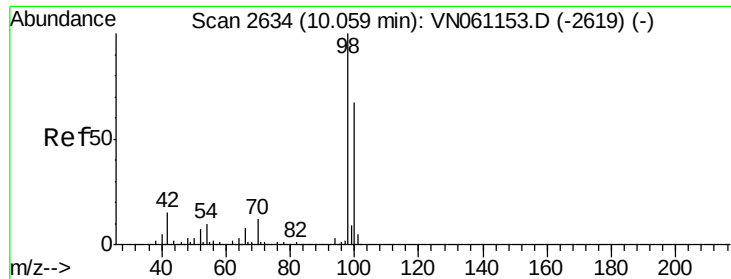
Tgt Ion: 75 Resp: 10338
 Ion Ratio Lower Upper
 75 100
 110 7.2 16.0 48.0#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 8.356 ug/l
 RT: 7.63 min Scan# 1877
 Delta R.T. -0.11 min
 Lab File: VN061216.D
 Acq: 30 Apr 2020 20:57

Tgt Ion: 117 Resp: 12055
 Ion Ratio Lower Upper
 117 100
 119 5.6 75.8 113.6#
 121 0.0 24.7 37.1#





#50

Toluene-d8

Concen: 51.584 ug/l

RT: 10.06 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VN061216.D

Acq: 30 Apr 2020 20:57

Instrument :

MSVOA_N

ClientSampleId :

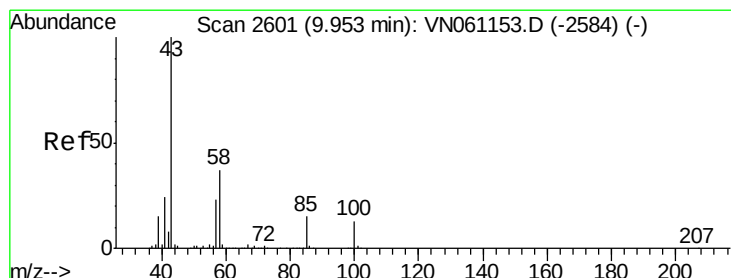
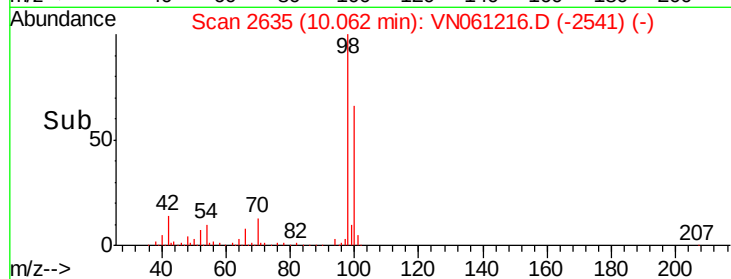
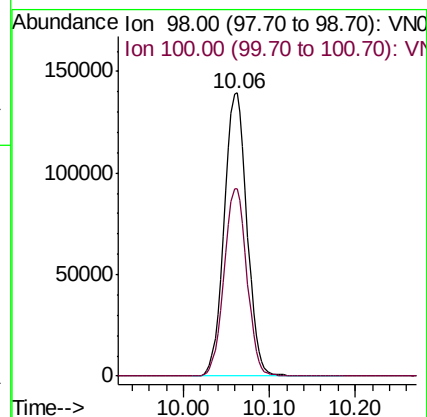
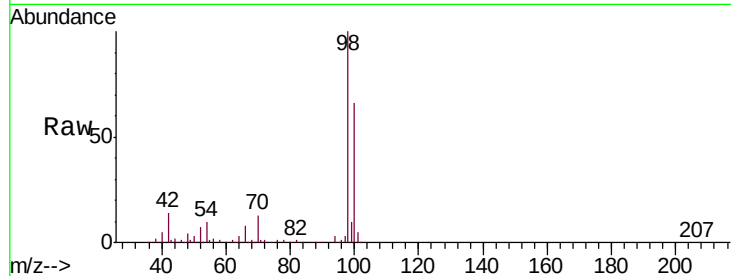
MW-8

Tgt Ion: 98 Resp: 258054

Ion Ratio Lower Upper

98 100

100 66.1 53.4 80.0



#51

4-Methyl-2-Pentanone

Concen: 0.505 ug/l

RT: 10.06 min Scan# 2634

Delta R.T. 0.11 min

Lab File: VN061216.D

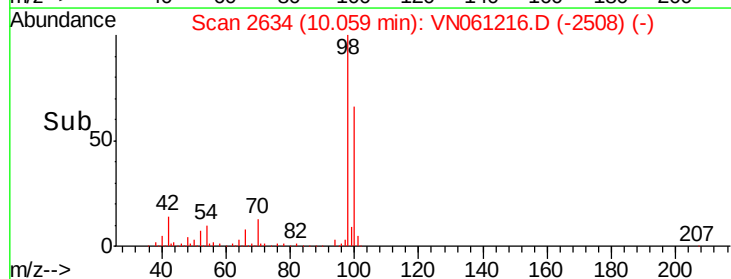
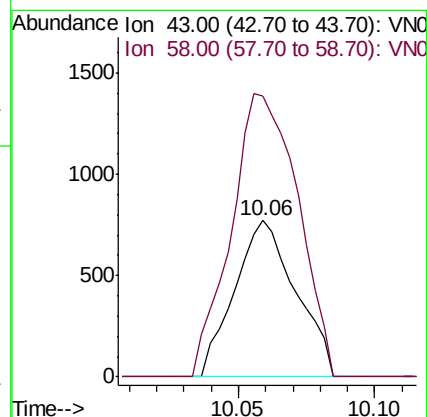
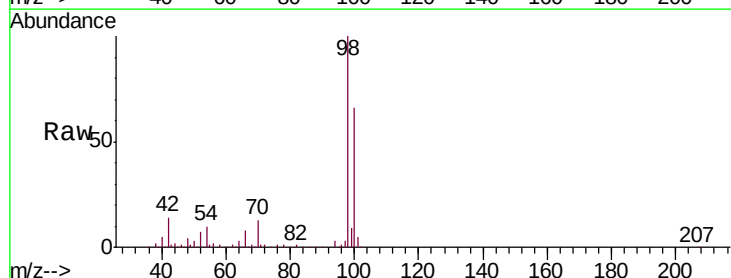
Acq: 30 Apr 2020 20:57

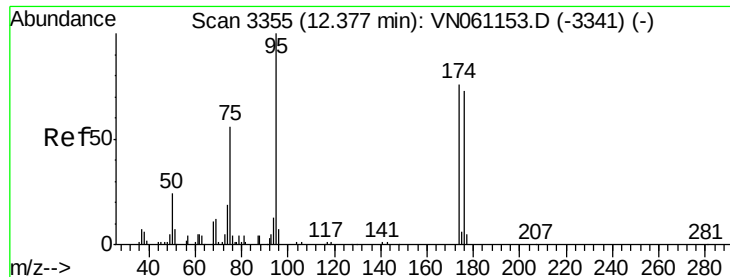
Tgt Ion: 43 Resp: 1201

Ion Ratio Lower Upper

43 100

58 197.3 29.1 43.7#





#62

4-Bromofluorobenzene

Concen: 50.973 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN061216.D

Acq: 30 Apr 2020 20:57

Instrument :

MSVOA_N

ClientSampleId :

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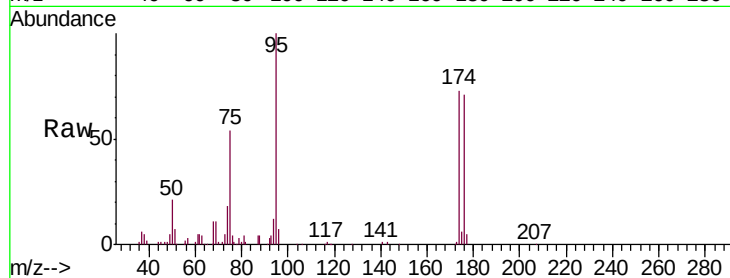
Tgt Ion: 95 Resp: 95960

Ion Ratio Lower Upper

95 100

174 73.6 0.0 149.4

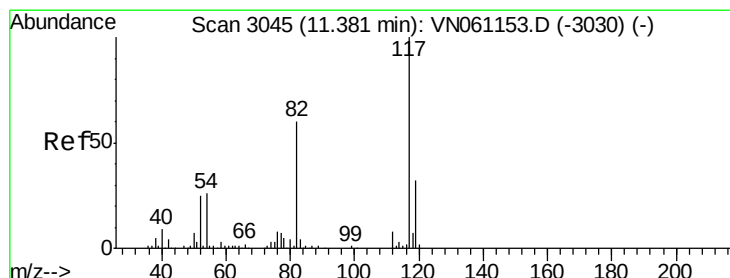
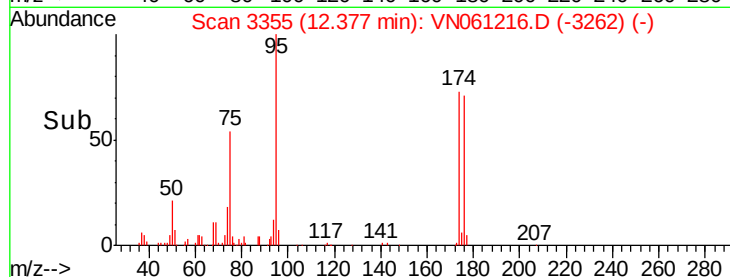
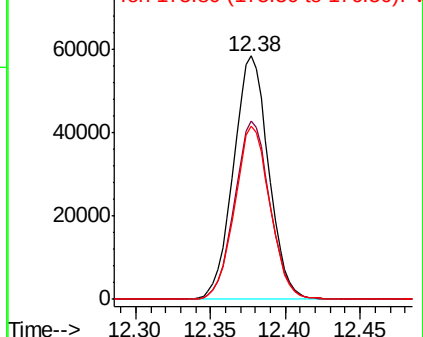
176 71.4 0.0 144.8



Abundance Ion 94.90 (94.60 to 95.60): VN061216.D (-2952) (-)

Ion 173.80 (173.50 to 174.50): VN061216.D (-2952) (-)

Ion 175.80 (175.50 to 176.50): VN061216.D (-2952) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 3045

Delta R.T. -0.00 min

Lab File: VN061216.D

Acq: 30 Apr 2020 20:57

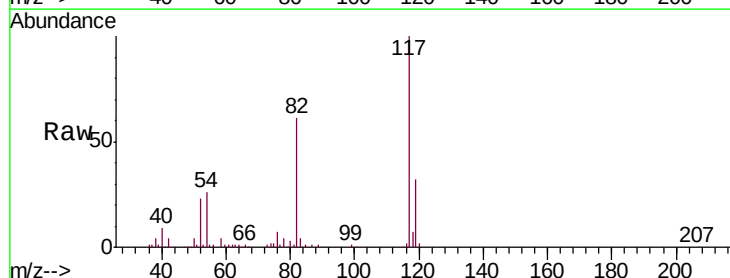
Tgt Ion: 117 Resp: 196659

Ion Ratio Lower Upper

117 100

82 61.2 47.8 71.8

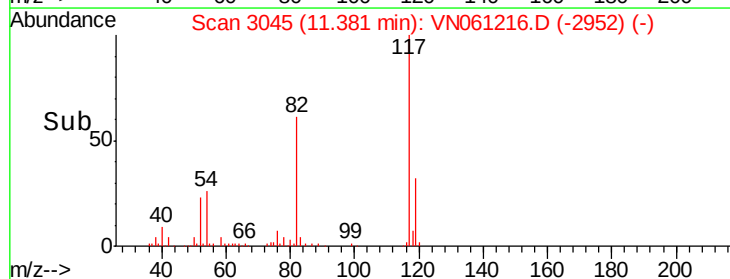
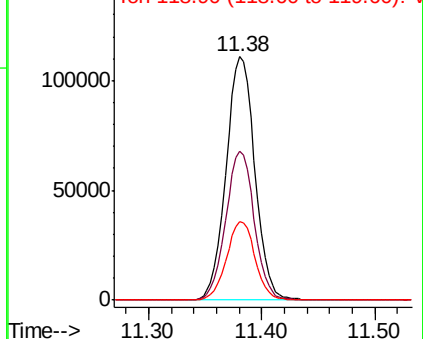
119 32.1 25.8 38.6

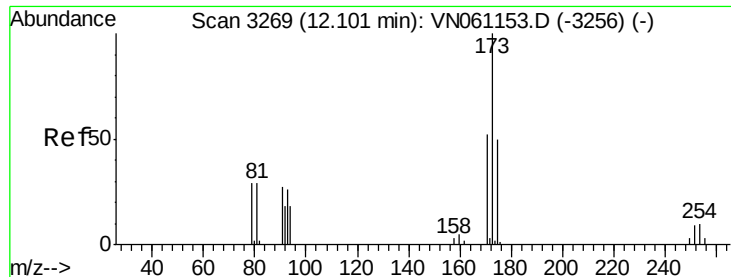


Abundance Ion 116.90 (116.60 to 117.60): VN061216.D (-2952) (-)

Ion 82.00 (81.70 to 82.70): VN061216.D (-2952) (-)

Ion 118.90 (118.60 to 119.60): VN061216.D (-2952) (-)





#71

Bromoform

Concen: 0.388 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.28 min

Lab File: VN061216.D

Acq: 30 Apr 2020 20:57

Instrument :

MSVOA_N

ClientSampleId :

MW-8

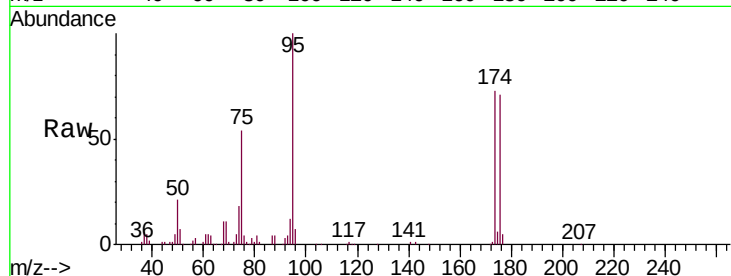
Tgt Ion:173 Resp: 398

Ion Ratio Lower Upper

173 100

175 1125.1 24.1 72.4#

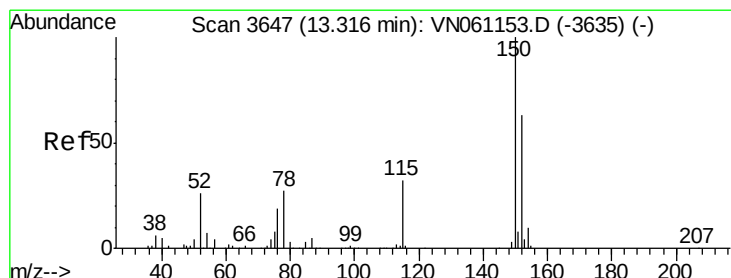
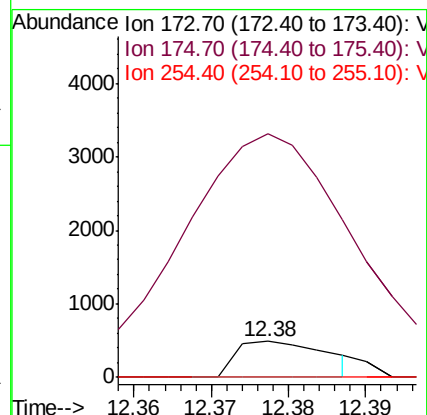
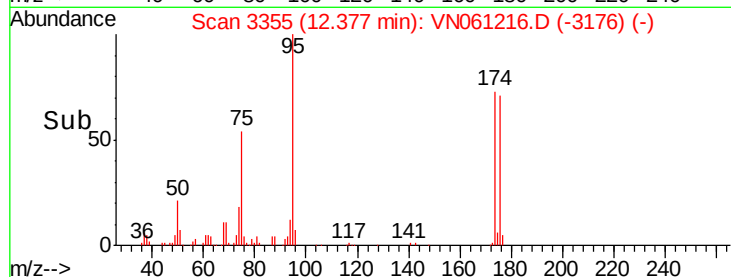
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3648

Delta R.T. 0.00 min

Lab File: VN061216.D

Acq: 30 Apr 2020 20:57

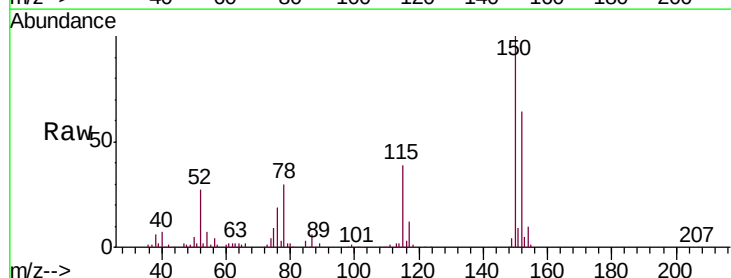
Tgt Ion:152 Resp: 88585

Ion Ratio Lower Upper

152 100

115 61.4 31.0 93.0

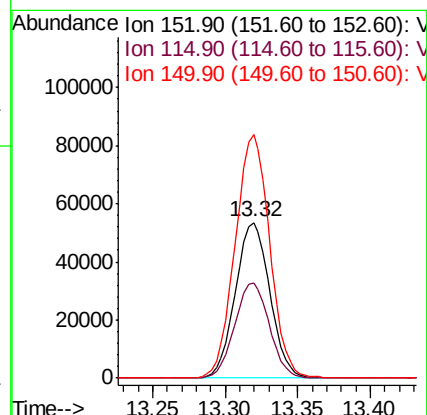
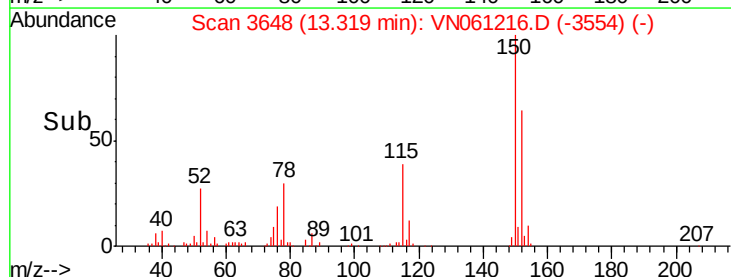
150 157.0 0.0 351.8

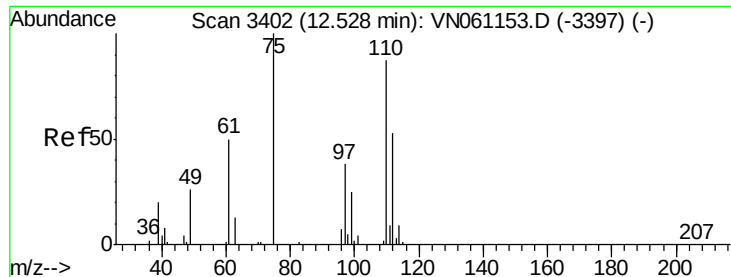


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

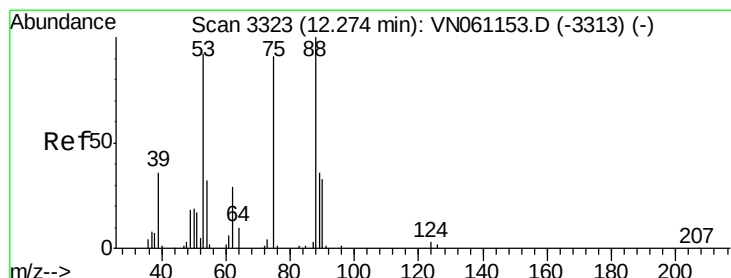
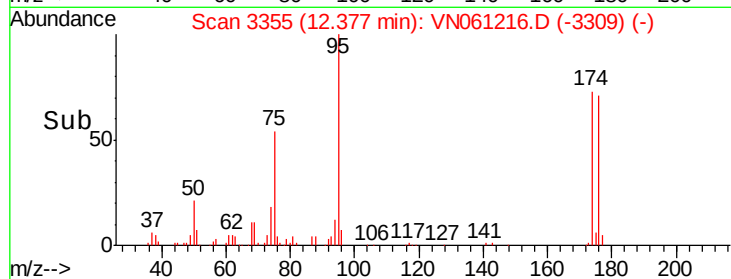
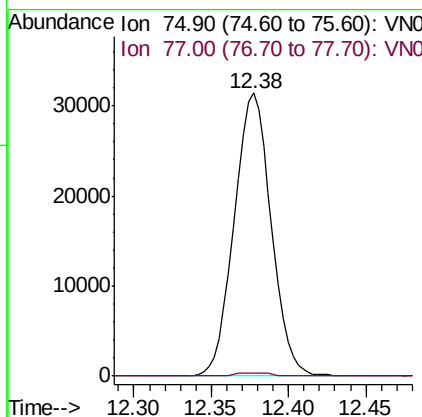
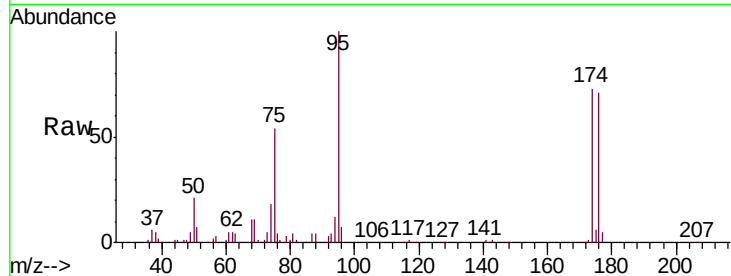




#76
 1,2,3-Trichloropropane
 Concen: 27.881 ug/l
 RT: 12.38 min Scan# 3355
 Delta R.T. -0.15 min
 Lab File: VN061216.D
 Acq: 30 Apr 2020 20:57

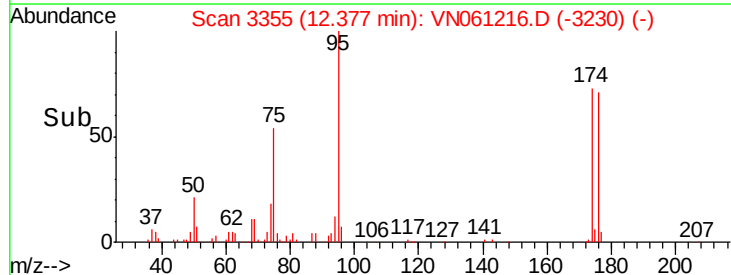
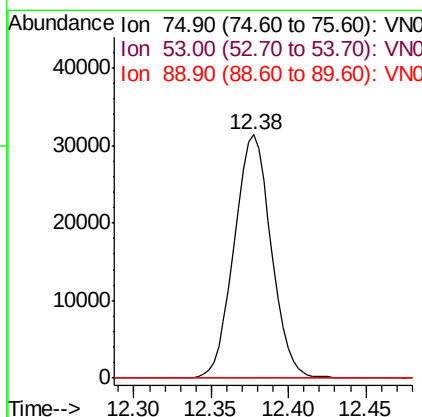
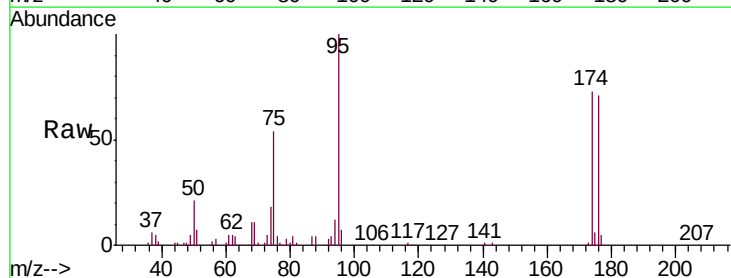
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-8

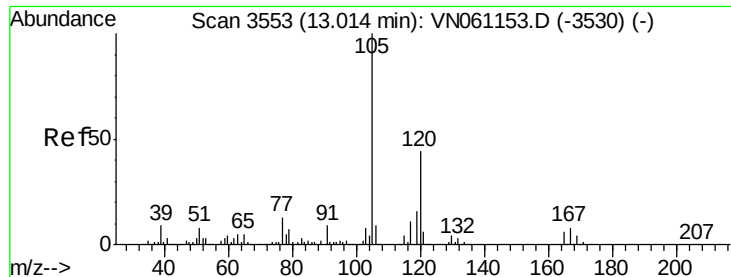
Tgt Ion: 75 Resp: 52071
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.804 ug/l
 RT: 12.38 min Scan# 3355
 Delta R.T. 0.10 min
 Lab File: VN061216.D
 Acq: 30 Apr 2020 20:57

Tgt Ion: 75 Resp: 52071
 Ion Ratio Lower Upper
 75 100
 53 0.0 84.1 126.1#
 89 0.0 35.2 52.8#

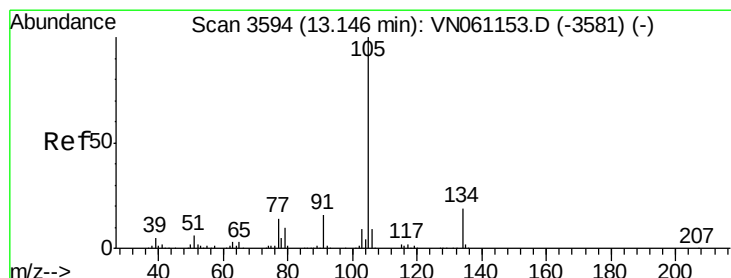
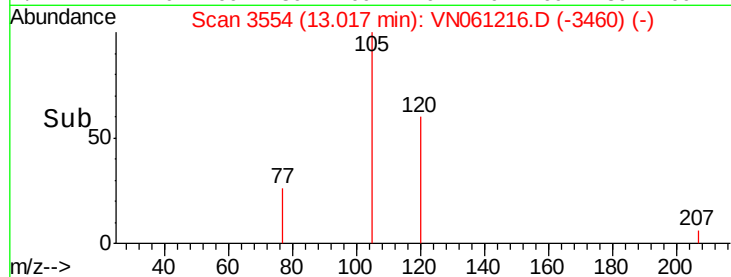
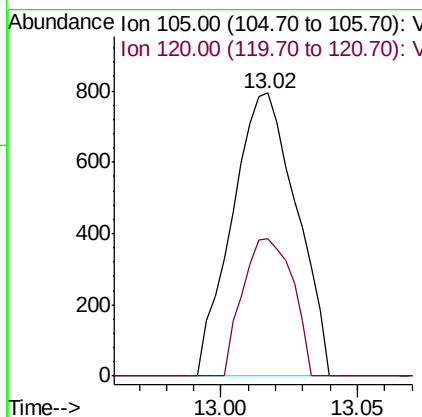
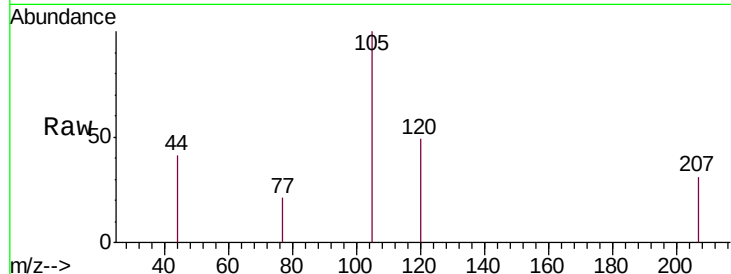




#84
 1,2,4-Trimethylbenzene
 Concen: 0.234 ug/l
 RT: 13.02 min Scan# 3554
 Delta R.T. 0.00 min
 Lab File: VN061216.D
 Acq: 30 Apr 2020 20:57

Instrument :
 MSVOA_N
 ClientSampled :
 MW-8

Tgt Ion:105 Resp: 1302
 Ion Ratio Lower Upper
 105 100
 120 37.8 22.2 66.6



#85
 sec-Butylbenzene
 Concen: 0.210 ug/l
 RT: 13.02 min Scan# 3554
 Delta R.T. -0.13 min
 Lab File: VN061216.D
 Acq: 30 Apr 2020 20:57

Tgt Ion:105 Resp: 1302
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.6 28.8#

