

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062320\
 Data File : VW015659.D
 Acq On : 23 Jun 2020 14:04
 Operator : SY/VA
 Sample : VW0623SBL01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0623SBL01

Quant Time: Jun 24 03:04:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 23 13:20:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	168751	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	288103	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	253967	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	109910	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	98677	52.56	ug/l	0.00
Spiked Amount			Recovery	=	105.12%	
35) Dibromofluoromethane	7.88	113	88777	48.99	ug/l	0.00
Spiked Amount			Recovery	=	97.98%	
50) Toluene-d8	10.32	98	349295	48.98	ug/l	0.00
Spiked Amount			Recovery	=	97.96%	
62) 4-Bromofluorobenzene	12.62	95	117972	44.92	ug/l	0.00
Spiked Amount			Recovery	=	89.84%	

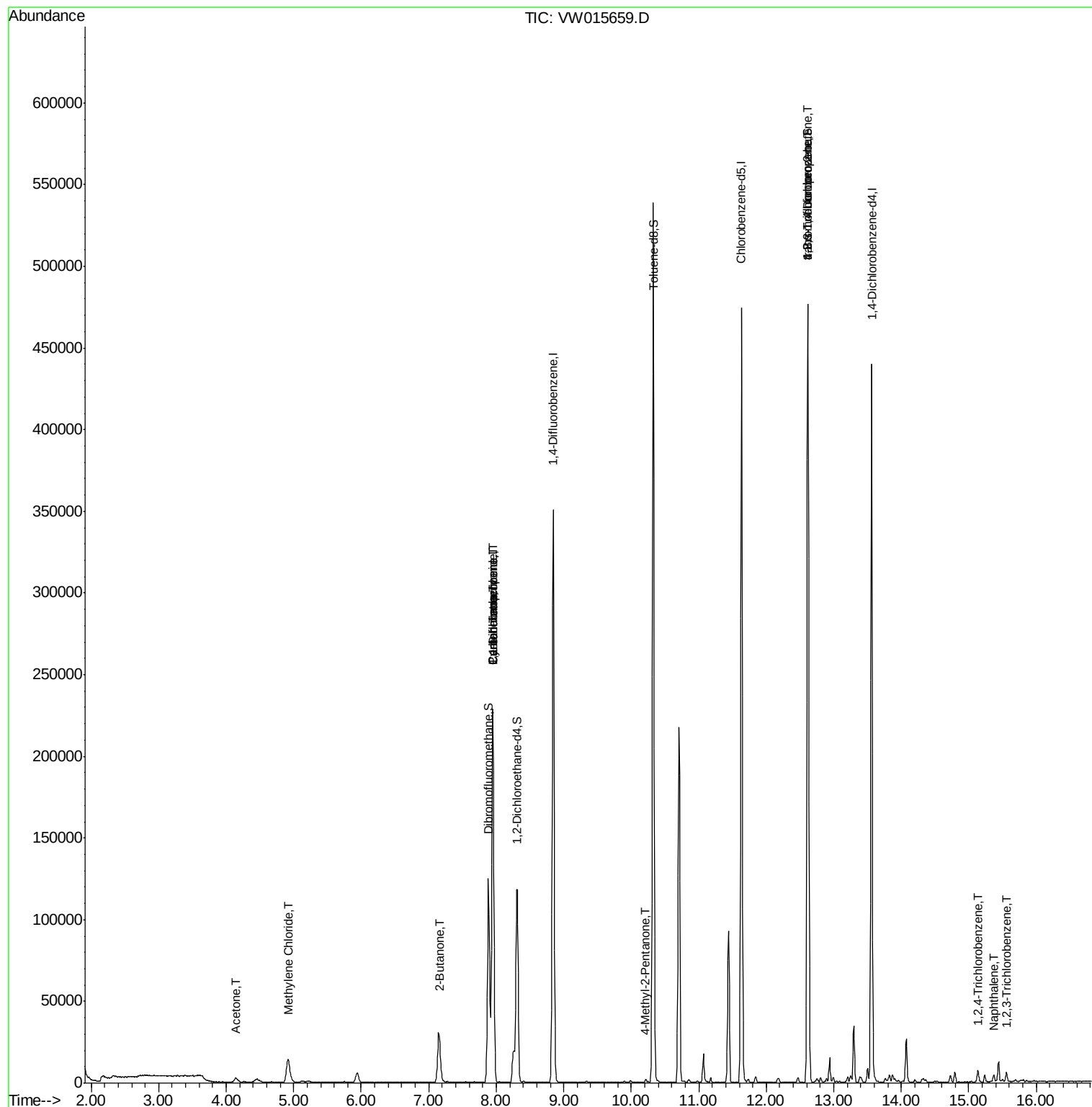
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.22	59	1387	Below Cal	#	72
16) Acetone	4.14	43	5979	16.751	ug/l #	89
18) Methyl Acetate	4.66	43	197	Below Cal	#	52
20) Methylene Chloride	4.92	84	11817	2.464	ug/l	94
25) 2-Butanone	7.17	43	1873	3.883	ug/l #	49
31) Cyclohexane	7.95	56	4168	1.289	ug/l #	32
36) 1,1-Dichloropropene	7.95	75	14111	4.709	ug/l #	50
38) Carbon Tetrachloride	7.95	117	17489	6.021	ug/l #	17
51) 4-Methyl-2-Pentanone	10.21	43	1433	1.301	ug/l #	87
76) 1,2,3-Trichloropropane	12.62	75	64282	64.119	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	64282	161.581	ug/l #	8
93) 1,2,4-Trichlorobenzene	15.13	180	2121	1.001	ug/l	94
95) Naphthalene	15.37	128	3932	1.122	ug/l	97
96) 1,2,3-Trichlorobenzene	15.56	180	1960	1.074	ug/l	97

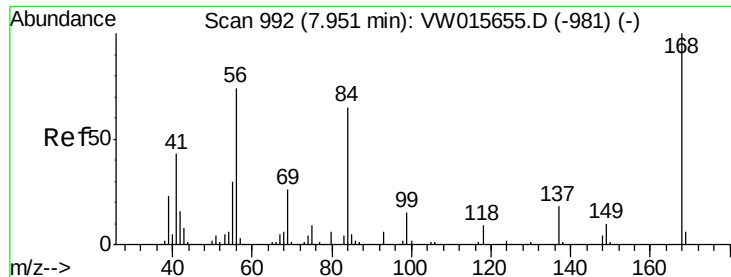
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW015659.D

Acq: 23 Jun 2020 14:04

Instrument :

MSVOA_W

ClientSampleId :

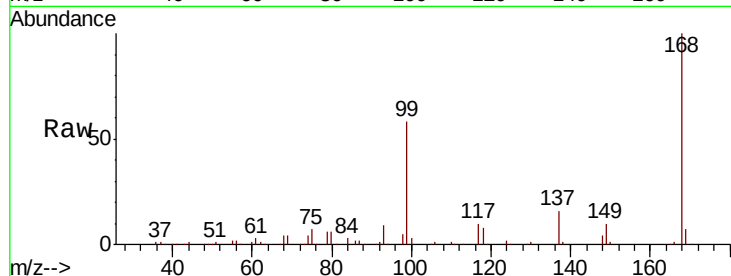
VW0623SBL01

Tot Ion:168 Resp: 168751

Ion Ratio Lower Upper

168 100

99 58.4 48.6 73.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

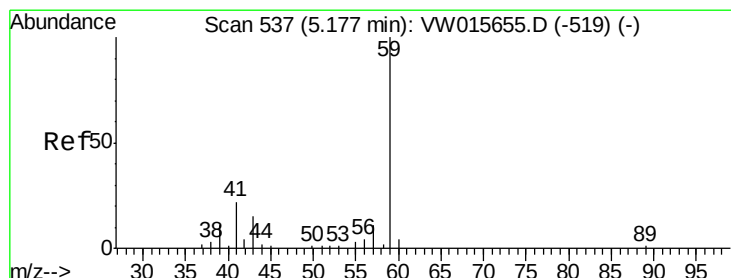
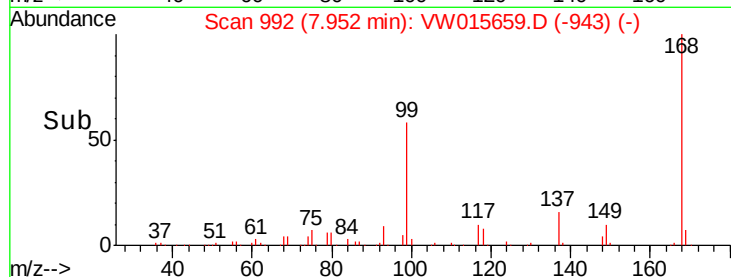
40000

20000

0

Time-->

7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.22 min Scan# 544

Delta R.T. 0.04 min

Lab File: VW015659.D

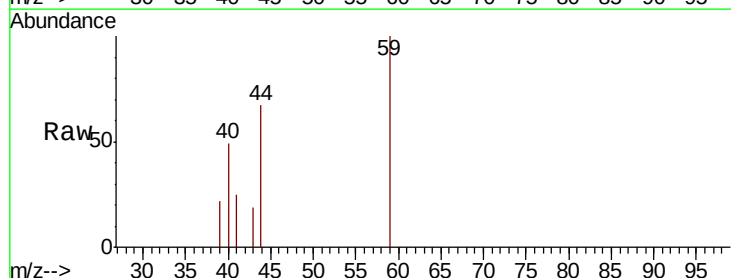
Acq: 23 Jun 2020 14:04

Tgt Ion: 59 Resp: 1387

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.22

400

300

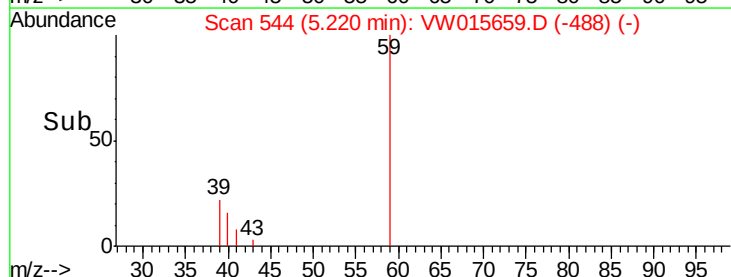
200

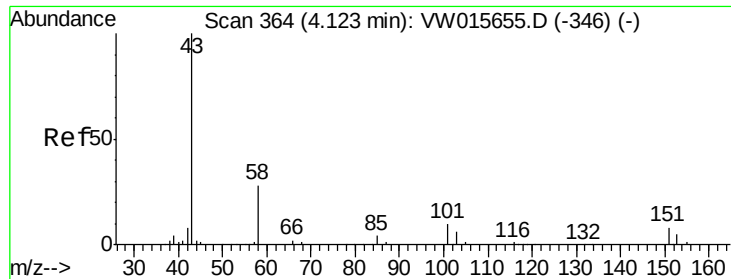
100

0

Time-->

5.15 5.20 5.25 5.30





#16

Acetone

Concen: 16.751 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW015659.D

Acq: 23 Jun 2020 14:04

Instrument :

MSVOA_W

ClientSampleId :

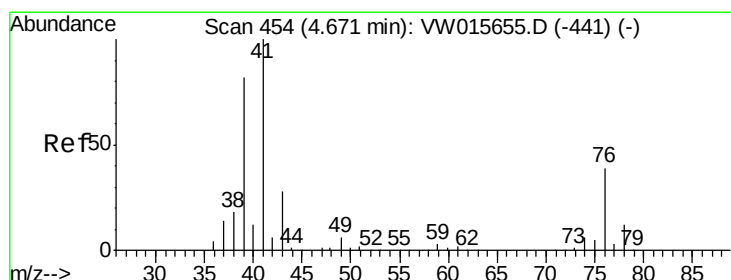
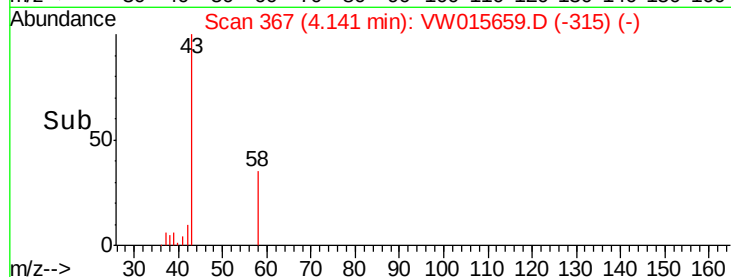
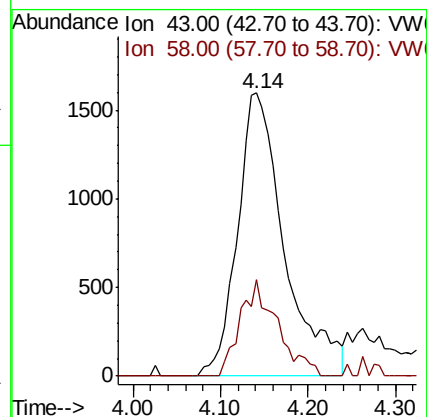
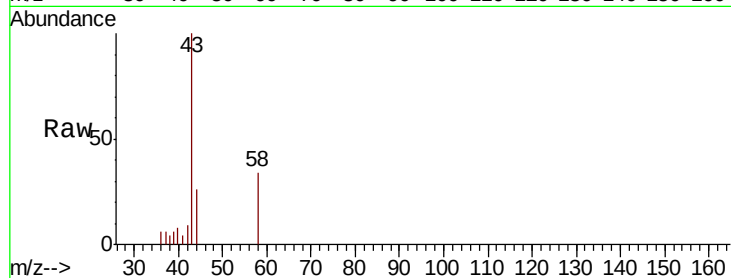
VW0623SBL01

Tot Ion: 43 Resp: 5979

Ion Ratio Lower Upper

43 100

58 34.2 22.6 33.8#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW015659.D

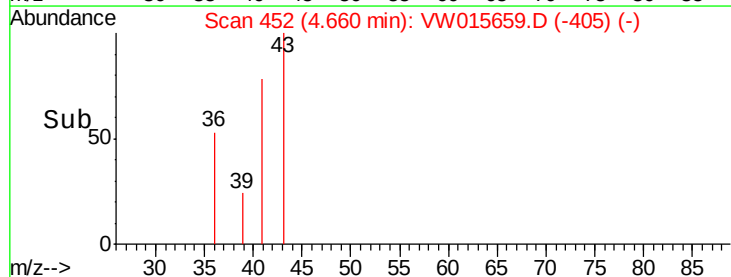
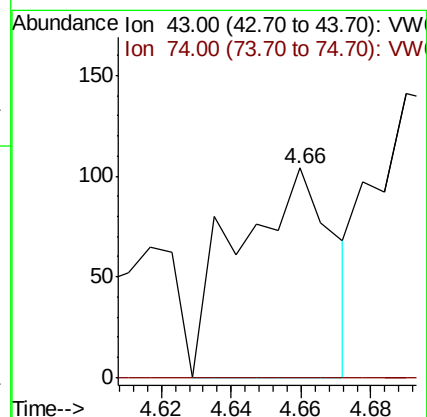
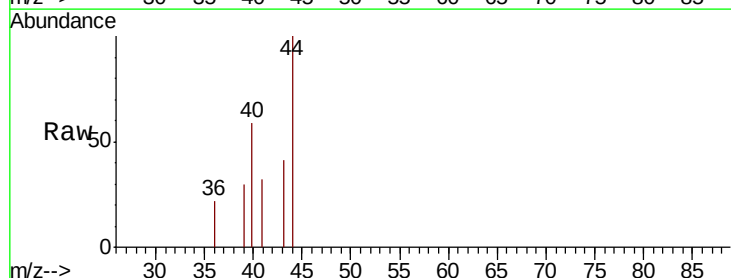
Acq: 23 Jun 2020 14:04

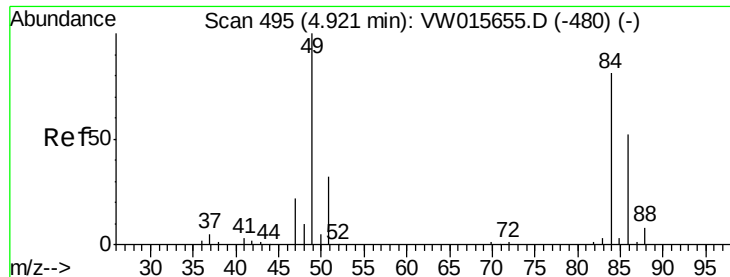
Tgt Ion: 43 Resp: 197

Ion Ratio Lower Upper

43 100

74 0.0 19.0 28.6#

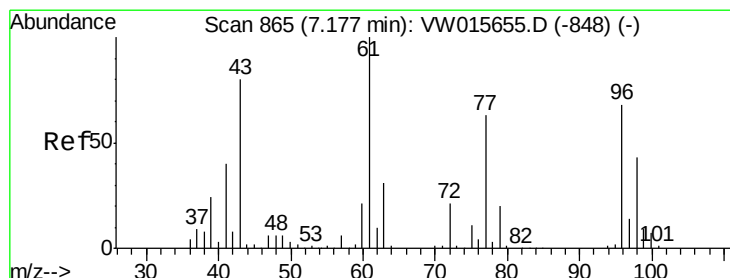
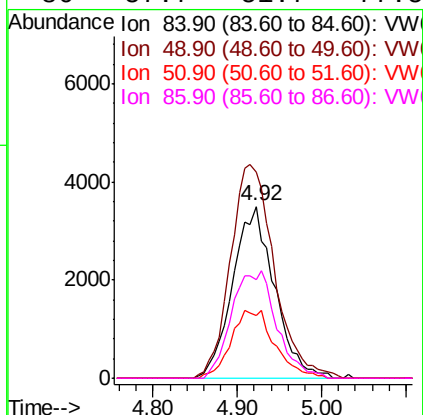
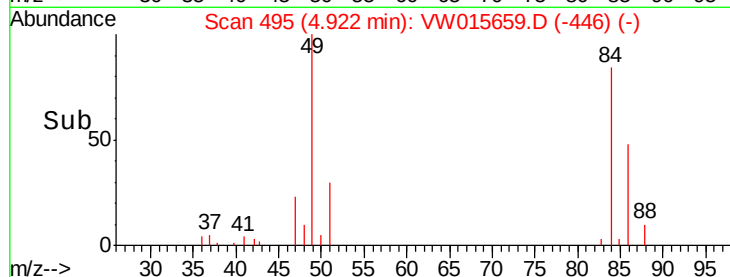
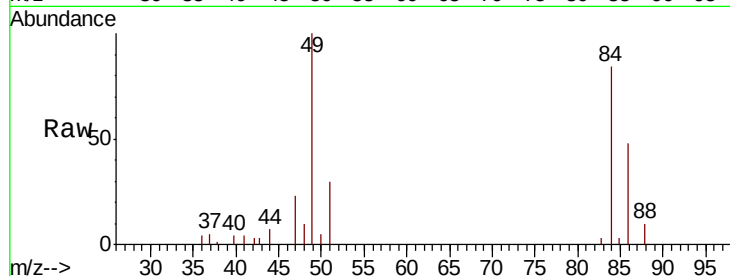




#20
Methylene Chloride
Concen: 2.464 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW015659.D
Acq: 23 Jun 2020 14:04

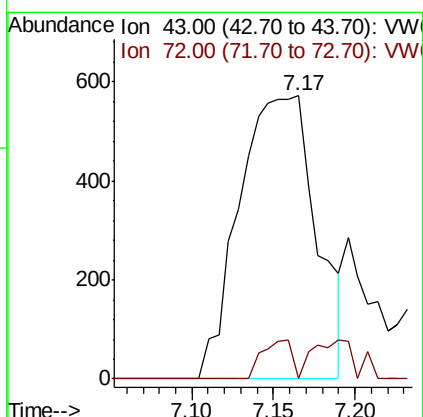
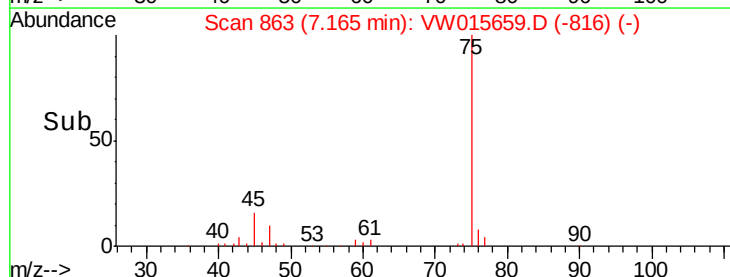
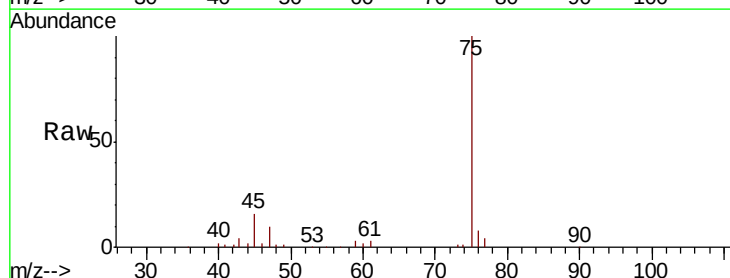
Instrument :
MSVOA_W
ClientSampleId :
VW0623SBL01

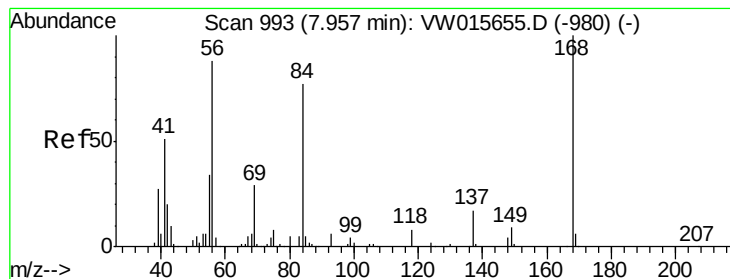
Tot Ion:	84	Resp:	11817
Ion	Ratio	Lower	Upper
84	100		
49	119.7	99.3	148.9
51	36.2	31.8	47.6
86	57.7	51.7	77.5



#25
2-Butanone
Concen: 3.883 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW015659.D
Acq: 23 Jun 2020 14:04

Tgt Ion:	43	Resp:	1873
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.1	31.7#





#31

Cyclohexane

Concen: 1.289 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW015659.D

Acq: 23 Jun 2020 14:04

Instrument :

MSVOA_W

ClientSampleId :

VW0623SBL01

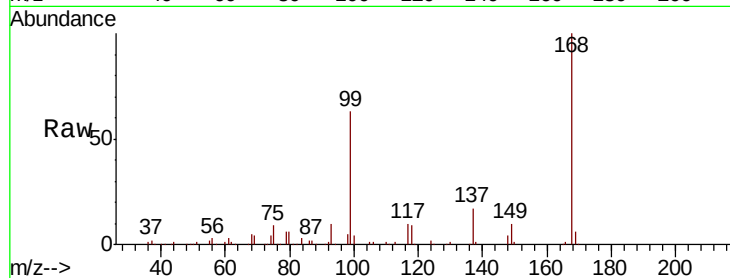
Tot Ion: 56 Resp: 4168

Ion Ratio Lower Upper

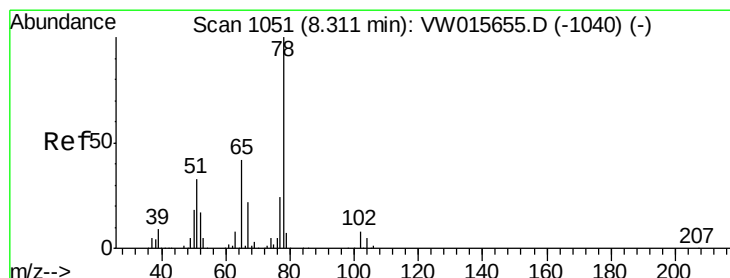
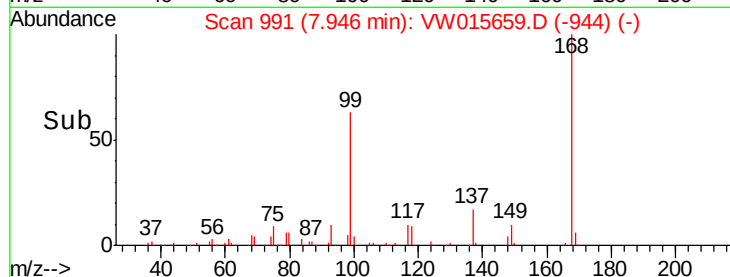
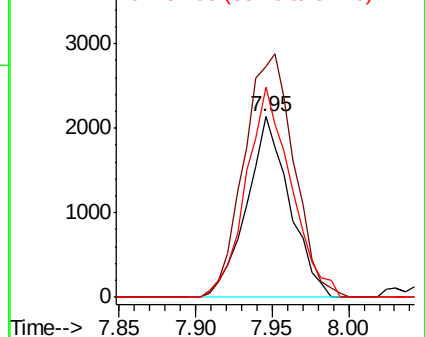
56 100

69 128.1 26.2 39.4#

84 116.7 70.4 105.6#



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



#33

1,2-Dichloroethane-d4

Concen: 52.555 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW015659.D

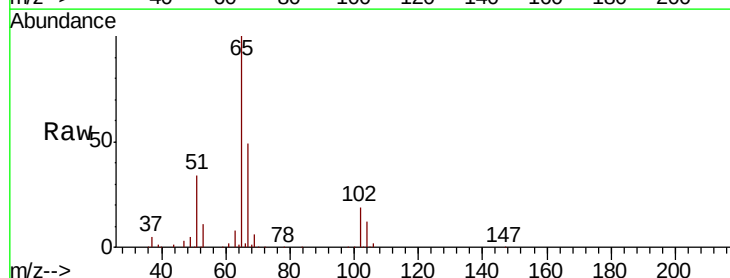
Acq: 23 Jun 2020 14:04

Tgt Ion: 65 Resp: 98677

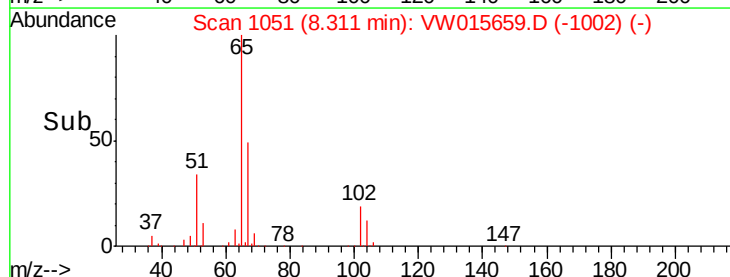
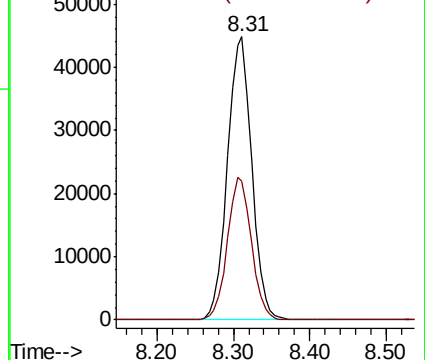
Ion Ratio Lower Upper

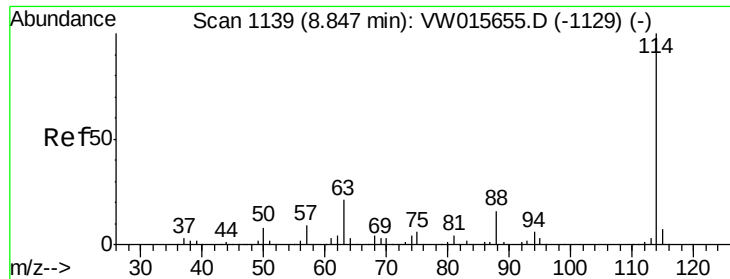
65 100

67 49.8 0.0 102.2



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

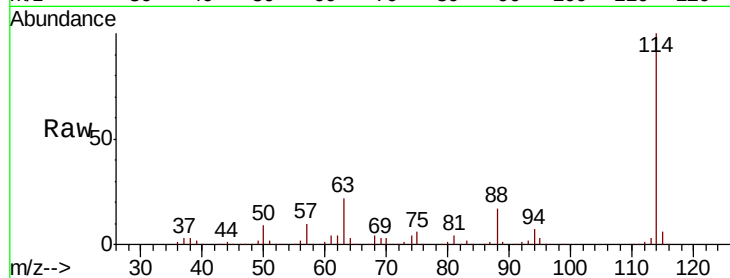




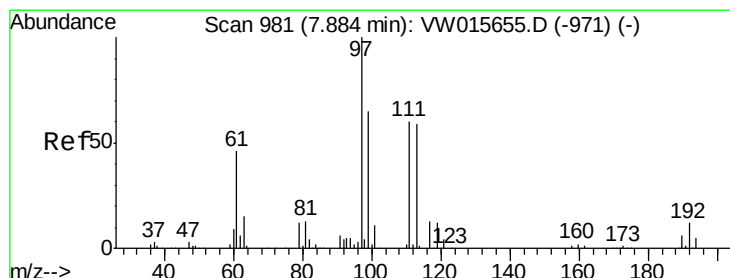
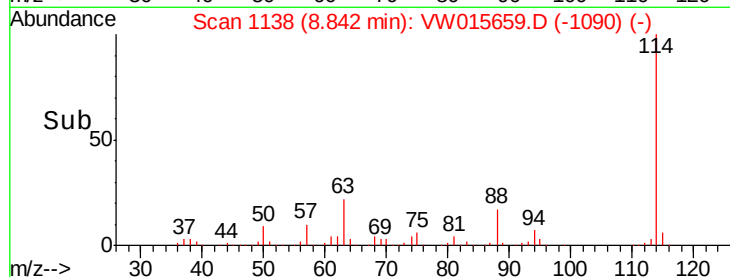
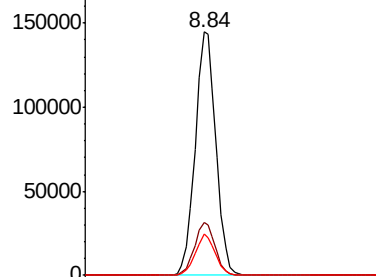
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW015659.D
 Acq: 23 Jun 2020 14:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0623SBL01

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	42.4
88	16.9	0.0	32.6

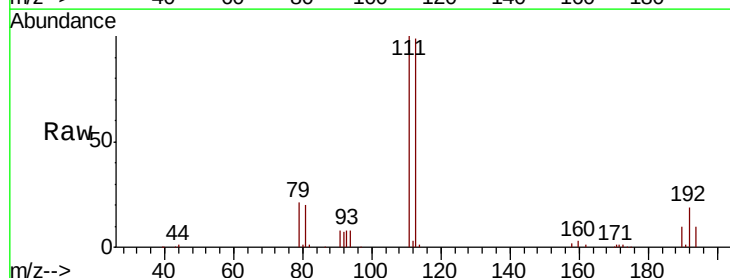


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

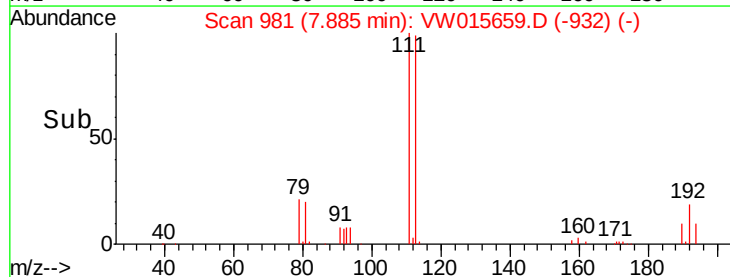
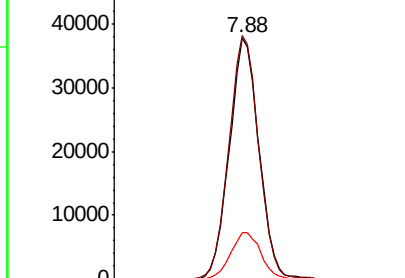


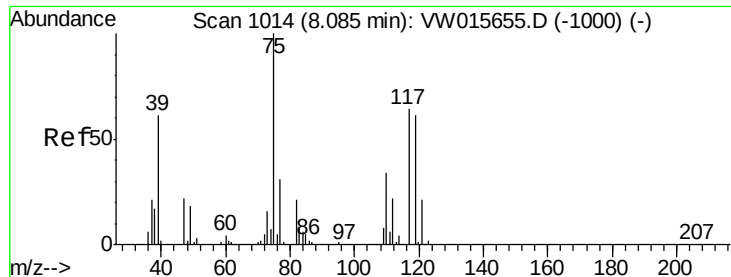
#35
 Dibromofluoromethane
 Concen: 48.987 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW015659.D
 Acq: 23 Jun 2020 14:04

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.3	123.5
192	19.6	16.4	24.6



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: 4.709 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.14 min

Lab File: VW015659.D

Acq: 23 Jun 2020 14:04

Instrument :

MSVOA_W

ClientSampleId :

VW0623SBL01

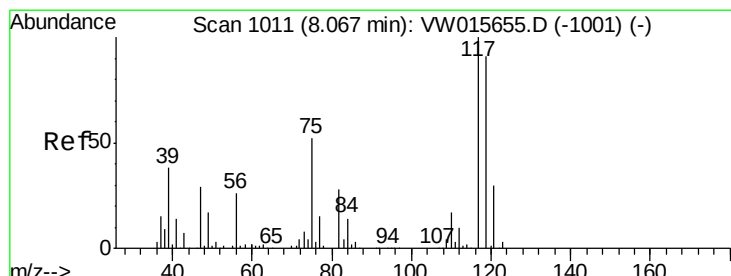
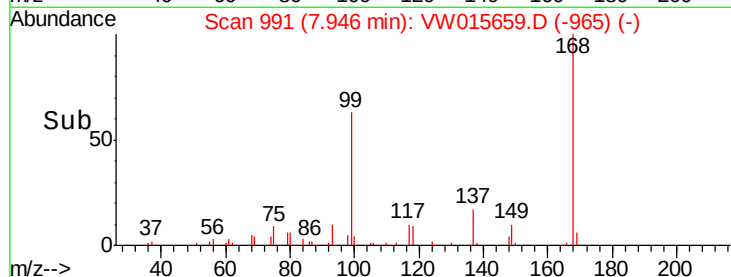
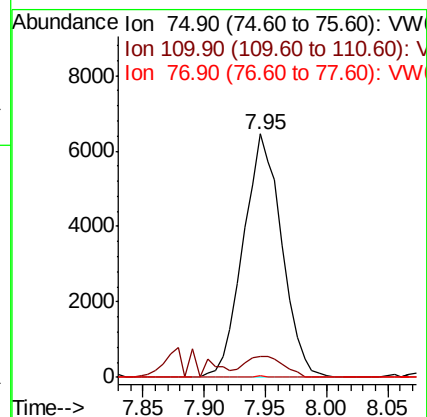
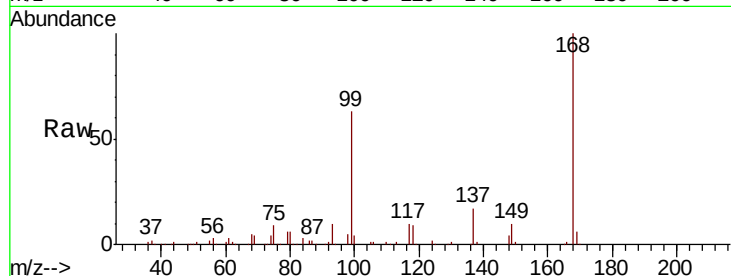
Tot Ion: 75 Resp: 14111

Ion Ratio Lower Upper

75 100

110 8.9 17.0 51.0#

77 0.1 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 6.021 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW015659.D

Acq: 23 Jun 2020 14:04

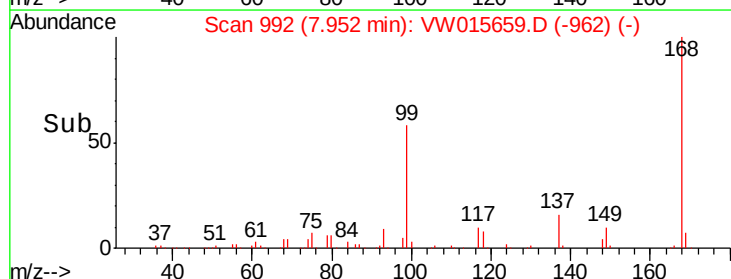
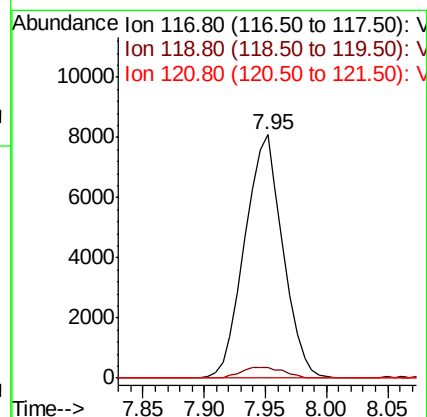
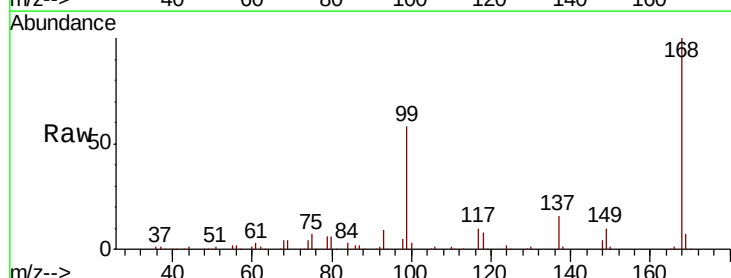
Tgt Ion: 117 Resp: 17489

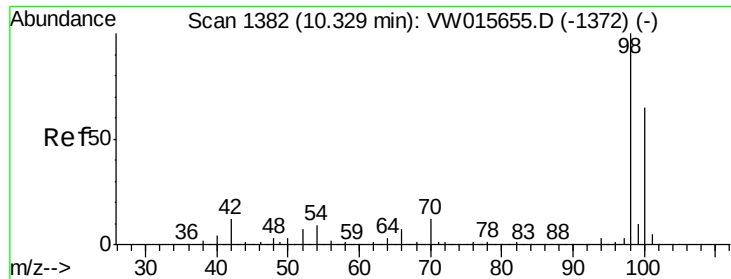
Ion Ratio Lower Upper

117 100

119 4.5 73.2 109.8#

121 0.0 23.9 35.9#

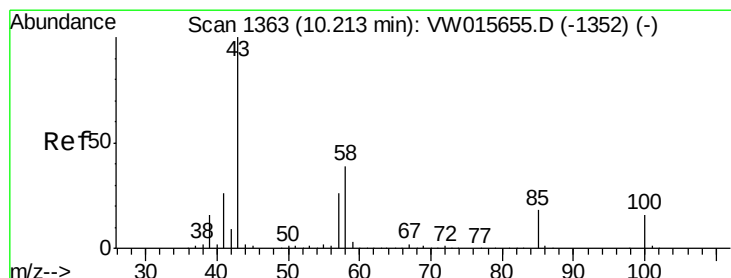
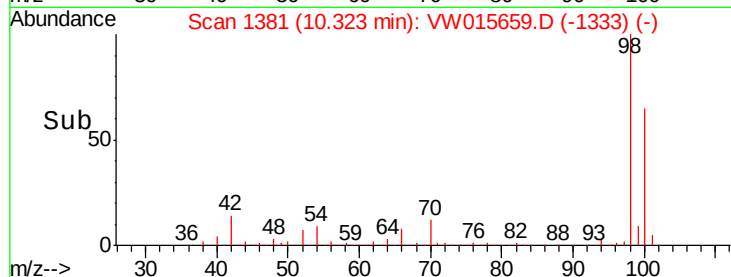
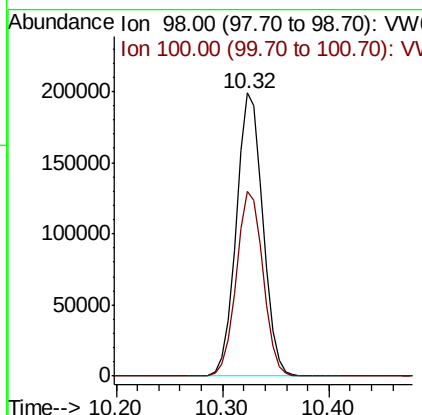
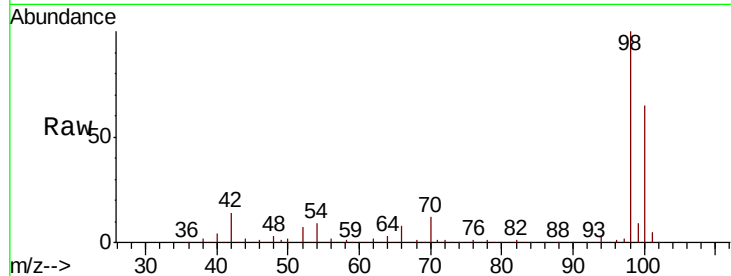




#50
Toluene-d8
Concen: 48.976 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VW015659.D
Acq: 23 Jun 2020 14:04

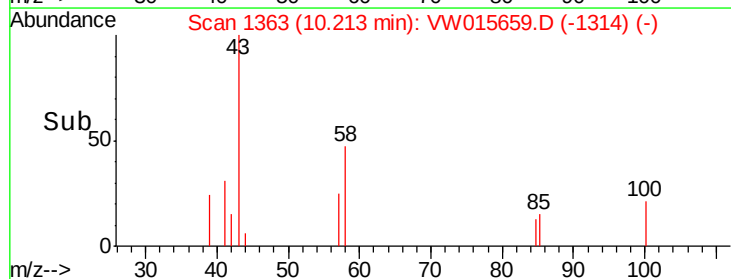
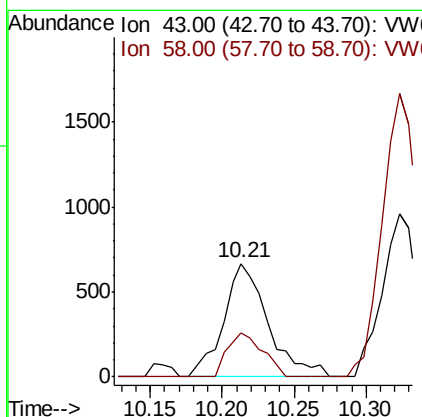
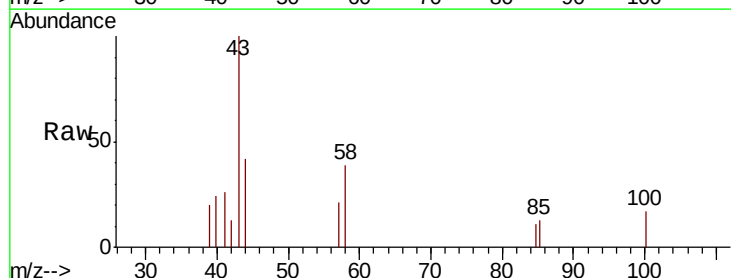
Instrument :
MSVOA_W
ClientSampleId :
VW0623SBL01

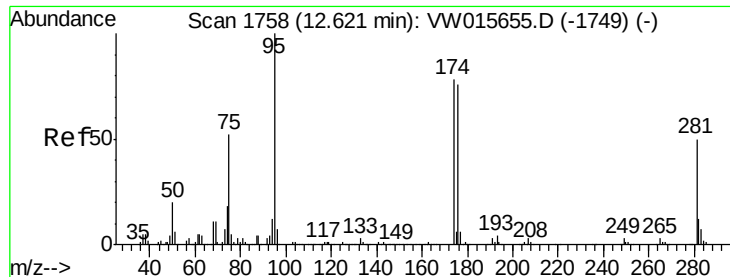
Tot Ion: 98 Resp: 349295
Ion Ratio Lower Upper
98 100
100 65.5 52.8 79.2



#51
4-Methyl-2-Pentanone
Concen: 1.301 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VW015659.D
Acq: 23 Jun 2020 14:04

Tgt Ion: 43 Resp: 1433
Ion Ratio Lower Upper
43 100
58 30.9 31.2 46.8#

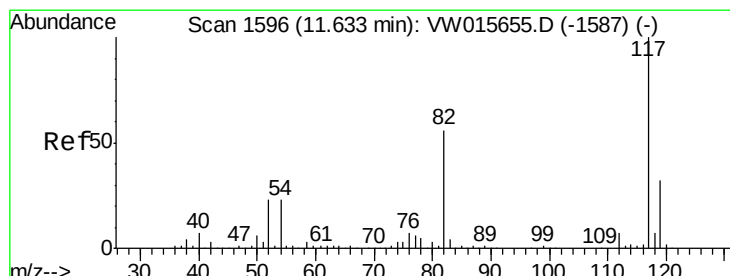
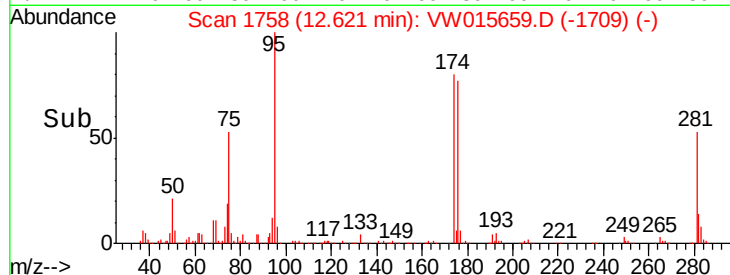
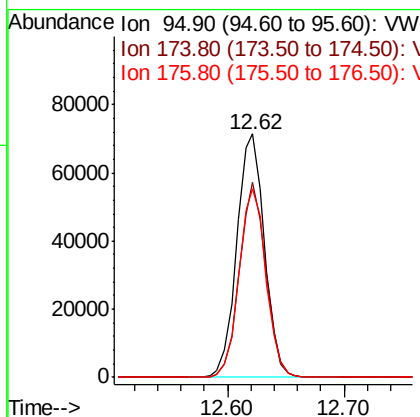
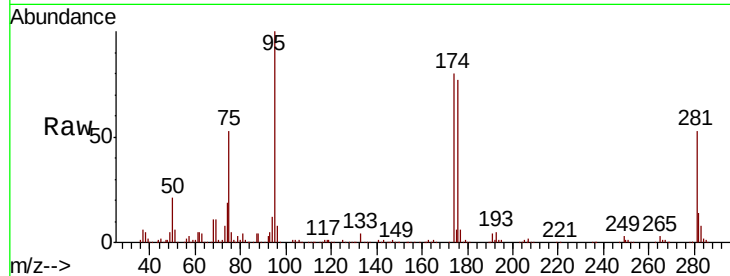




#62
4-Bromofluorobenzene
Concen: 44.916 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW015659.D
Acq: 23 Jun 2020 14:04

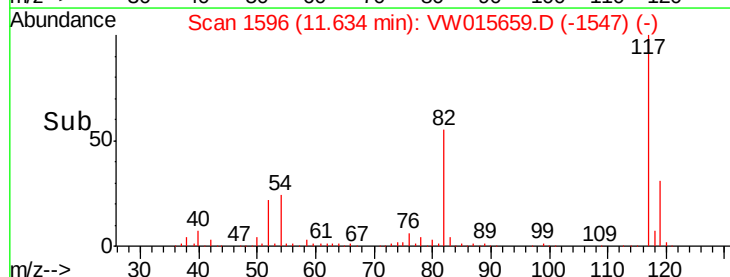
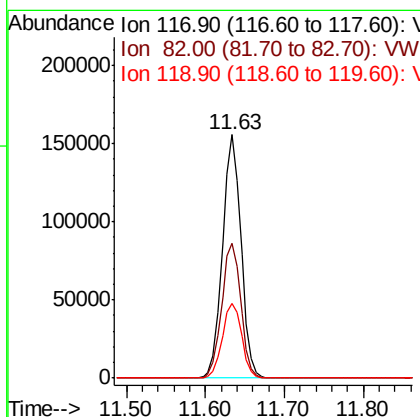
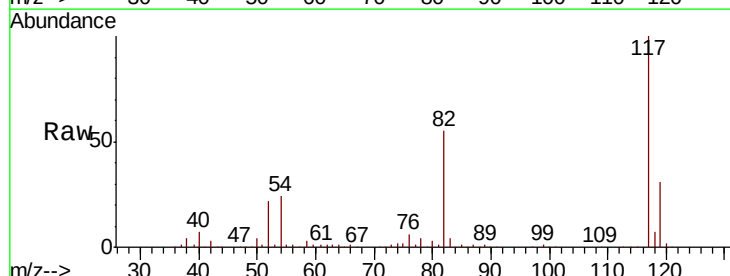
Instrument :
MSVOA_W
ClientSampleId :
VW0623SBL01

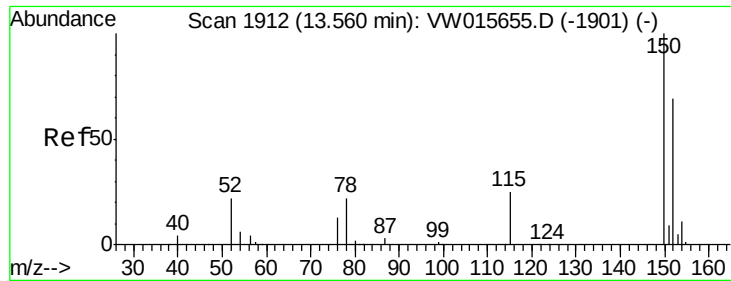
Tot Ion: 95 Resp: 117972
Ion Ratio Lower Upper
95 100
174 76.7 0.0 157.0
176 75.4 0.0 151.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW015659.D
Acq: 23 Jun 2020 14:04

Tgt Ion: 117 Resp: 253967
Ion Ratio Lower Upper
117 100
82 55.5 45.1 67.7
119 30.9 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW015659.D

Acq: 23 Jun 2020 14:04

Instrument :

MSVOA_W

ClientSampleId :

VW0623SBL01

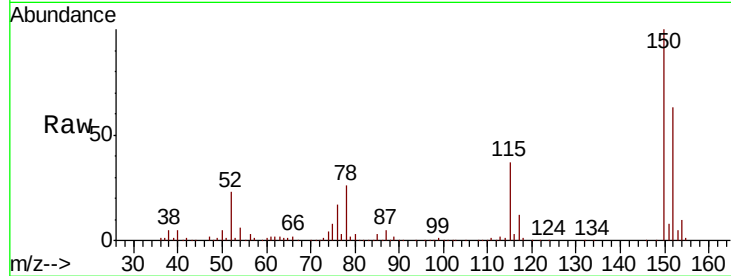
Tot Ion:152 Resp: 109910

Ion Ratio Lower Upper

152 100

115 59.7 30.1 90.5

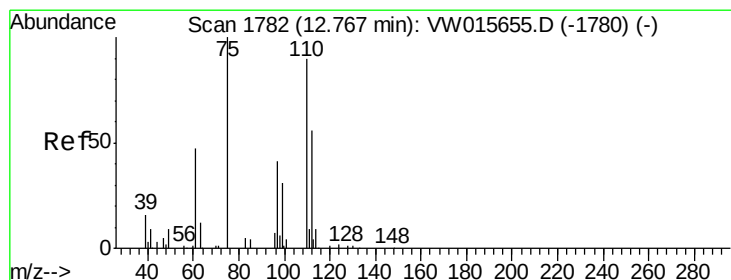
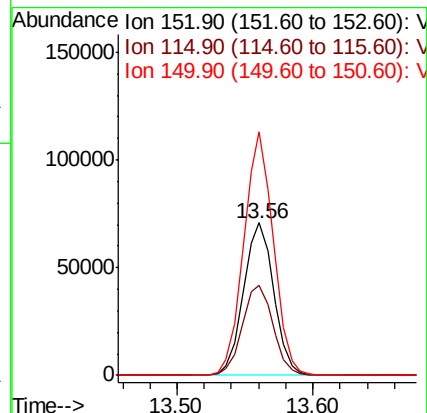
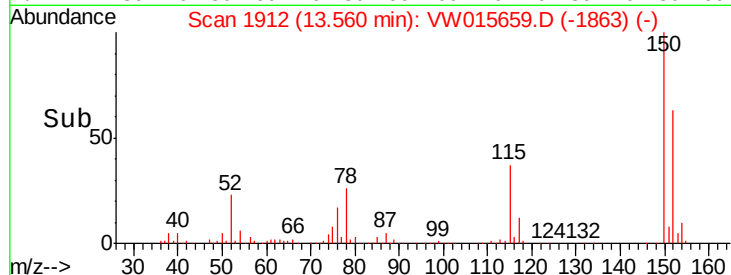
150 156.0 0.0 345.6



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: 64.119 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW015659.D

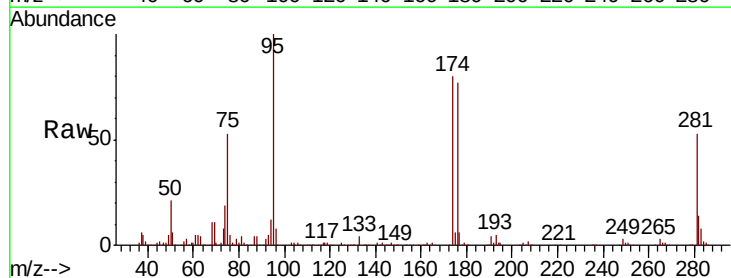
Acq: 23 Jun 2020 14:04

Tgt Ion: 75 Resp: 64282

Ion Ratio Lower Upper

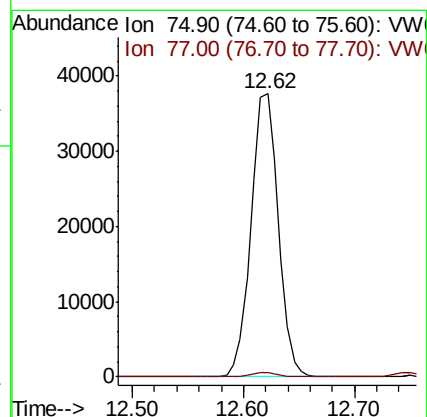
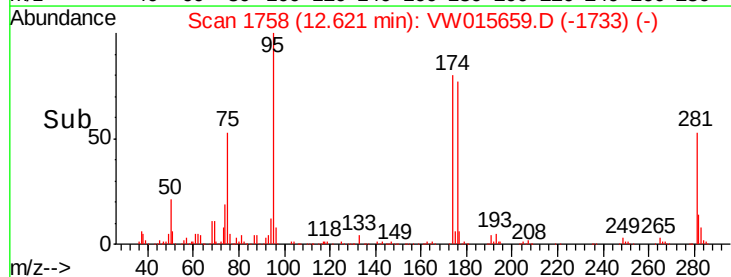
75 100

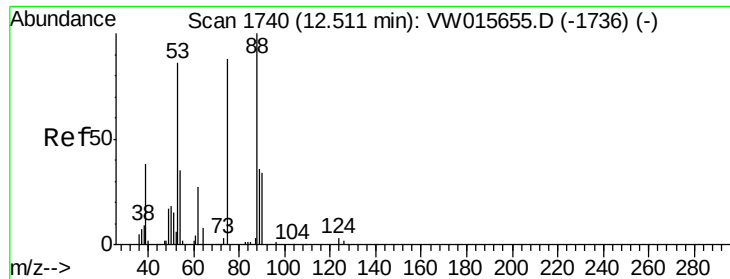
77 1.4 179.1 537.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 161.581 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW015659.D

Acq: 23 Jun 2020 14:04

Instrument :

MSVOA_W

ClientSampleId :

VW0623SBL01

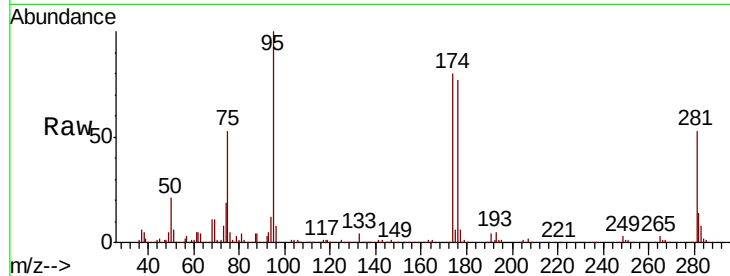
Tot Ion: 75 Resp: 64282

Ion Ratio Lower Upper

75 100

53 0.0 83.8 125.8#

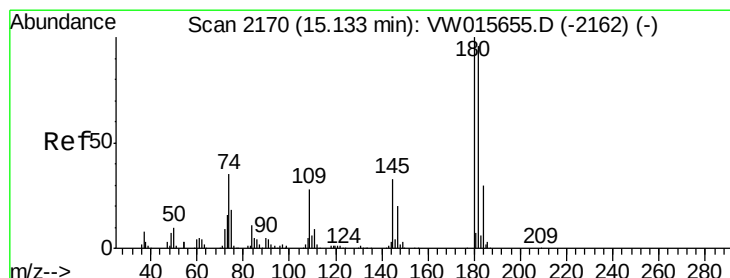
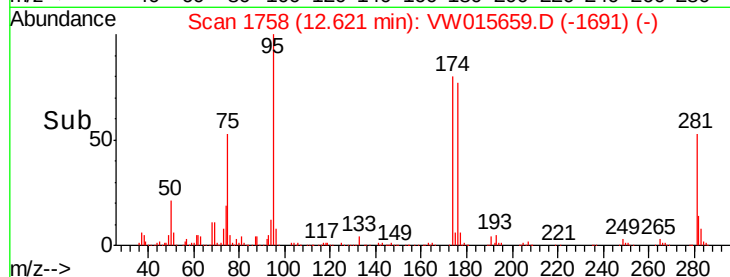
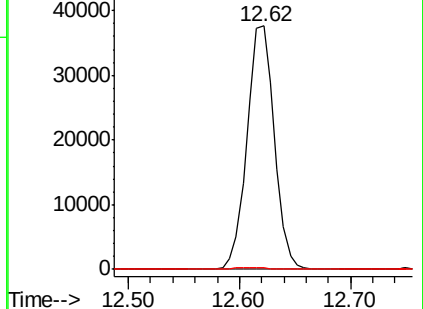
89 0.8 36.6 55.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#93

1,2,4-Trichlorobenzene

Concen: 1.001 ug/l

RT: 15.13 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VW015659.D

Acq: 23 Jun 2020 14:04

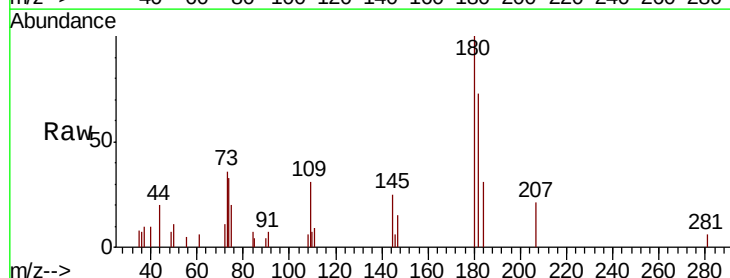
Tgt Ion: 180 Resp: 2121

Ion Ratio Lower Upper

180 100

182 88.8 47.9 143.6

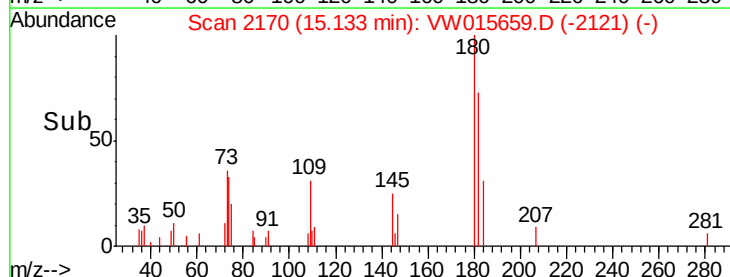
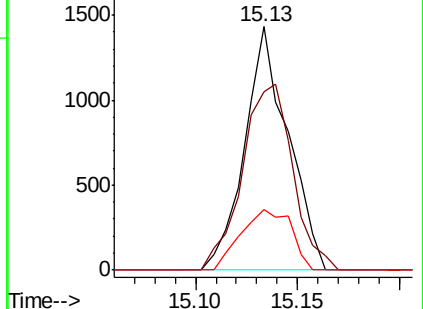
145 28.6 15.6 46.7

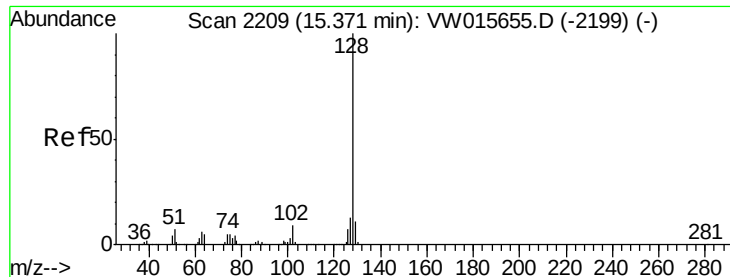


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

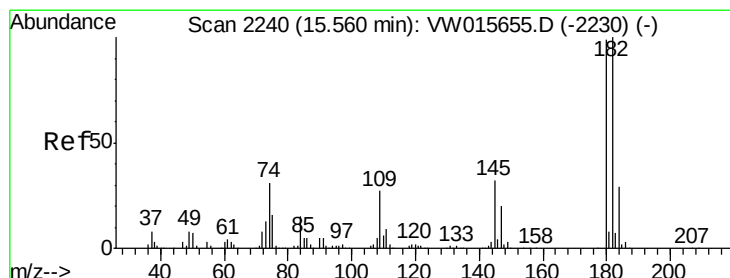
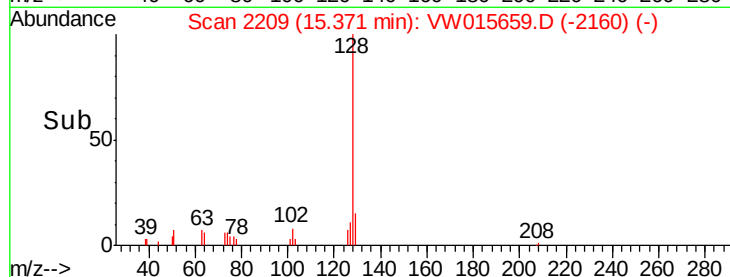
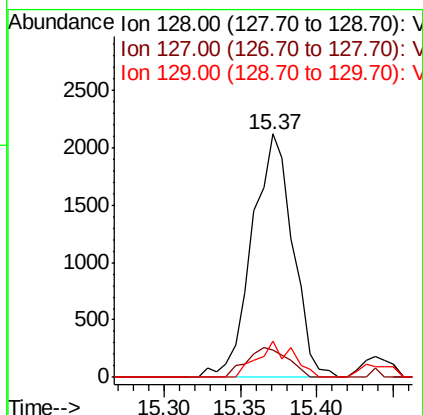
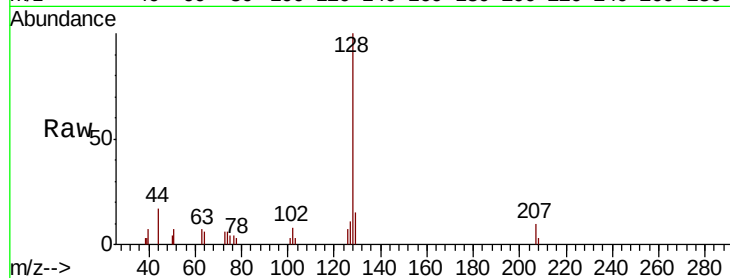




#95
Naphthalene
Concen: 1.122 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW015659.D
Acq: 23 Jun 2020 14:04

Instrument :
MSVOA_W
ClientSampleId :
VW0623SBL01

Tot Ion:128 Resp: 3932
Ion Ratio Lower Upper
128 100
127 12.3 10.5 15.7
129 12.6 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 1.074 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW015659.D
Acq: 23 Jun 2020 14:04

Tgt Ion:180 Resp: 1960
Ion Ratio Lower Upper
180 100
182 94.1 49.0 147.0
145 33.5 16.4 49.2

