

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040220\
 Data File : VX015478.D
 Acq On : 02 Apr 2020 13:51
 Operator : JC/SP
 Sample : L2101-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 03 08:00:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

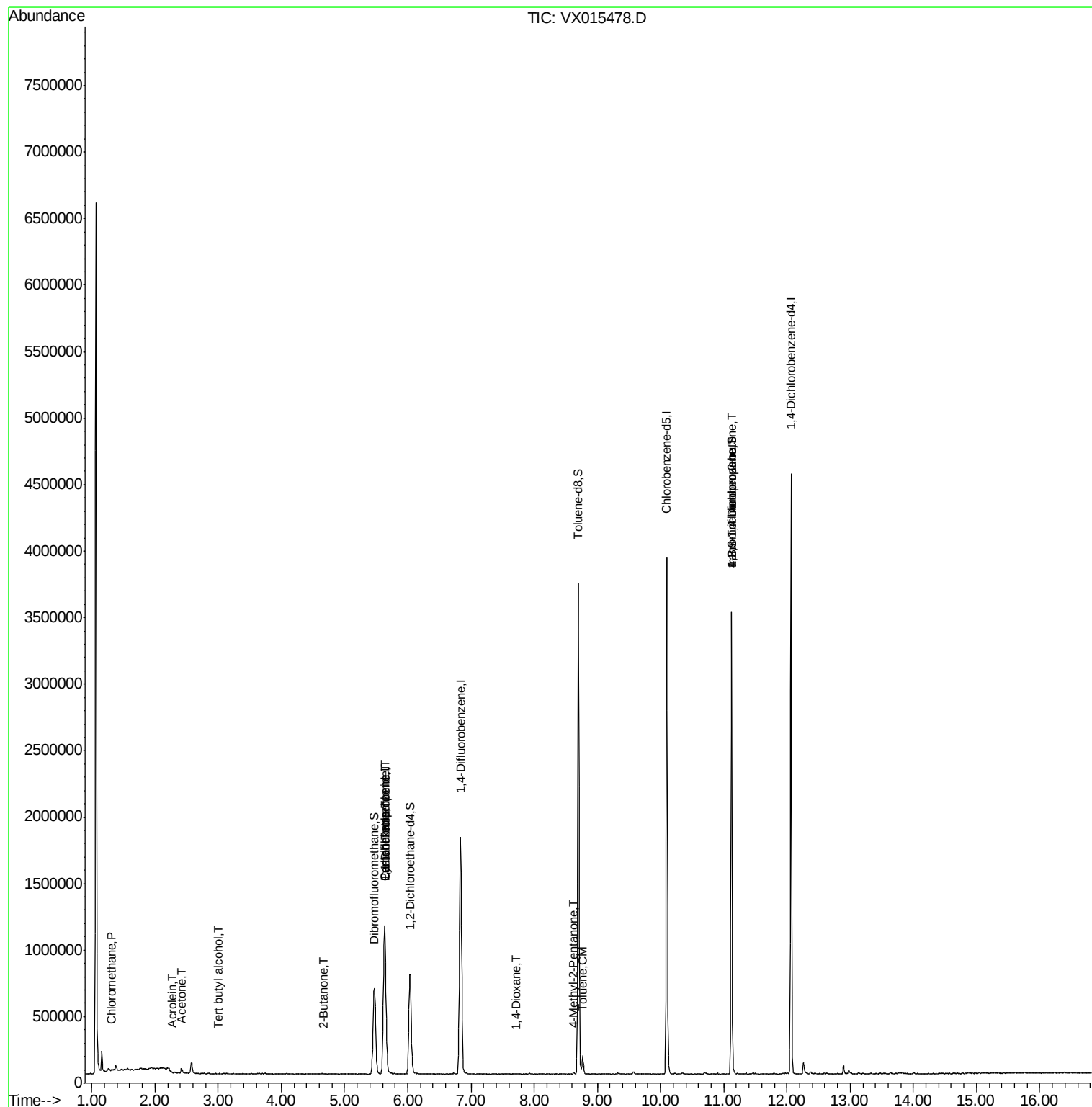
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	1097274	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1766645	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1663427	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	895384	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	739973	47.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.62%	
35) Dibromofluoromethane	5.47	113	548929	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	
50) Toluene-d8	8.70	98	2128200	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	
62) 4-Bromofluorobenzene	11.12	95	900510	53.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.58%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.31	50	5524	0.449	ug/l	95
5) Bromomethane	1.64	94	1609	Below Cal		91
11) Tert butyl alcohol	3.01	59	5438	1.468	ug/l #	73
13) Acrolein	2.28	56	630	0.299	ug/l #	14
16) Acetone	2.42	43	41391	6.225	ug/l	99
25) 2-Butanone	4.67	43	8377	0.783	ug/l #	78
31) Cyclohexane	5.63	56	23875	1.219	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	79573	4.888	ug/l #	53
38) Carbon Tetrachloride	5.64	117	105302	5.973	ug/l #	14
49) 1,4-Dioxane	7.72	88	697	2.091	ug/l #	68
51) 4-Methyl-2-Pentanone	8.62	43	8532	0.421	ug/l #	66
52) Toluene	8.77	92	50205	1.708	ug/l	96
76) 1,2,3-Trichloropropane	11.12	75	470529	25.554	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	470529	61.317	ug/l #	10

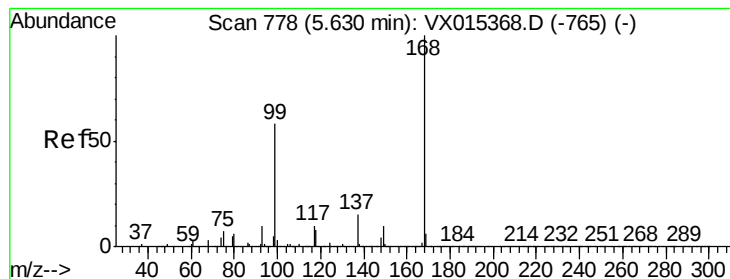
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

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Quant Title : SW846 8260
QLast Update : Fri Mar 27 09:35:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.00 min

Lab File: VX015478.D

Acq: 02 Apr 2020 13:51

Instrument :

MSVOA_X

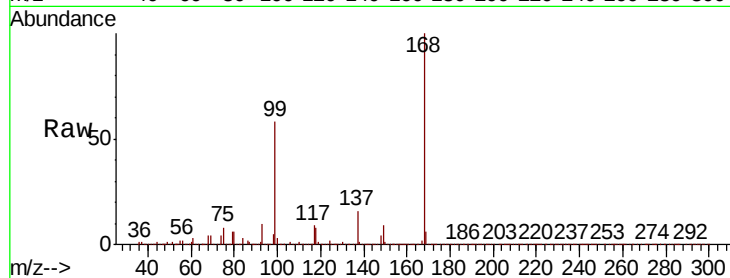
ClientSampleId :

Tot Ion:168 Resp: 1097274

Ion Ratio Lower Upper

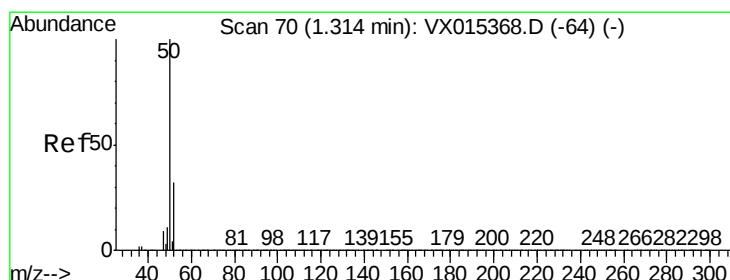
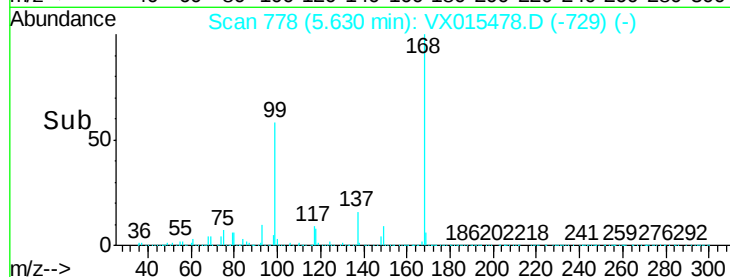
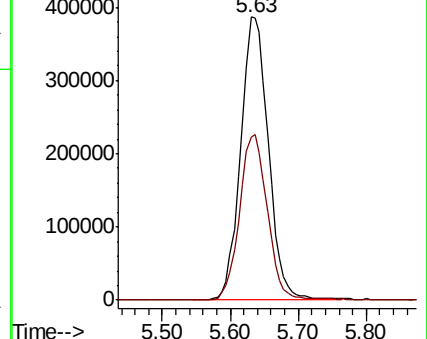
168 100

99 57.5 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.449 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX015478.D

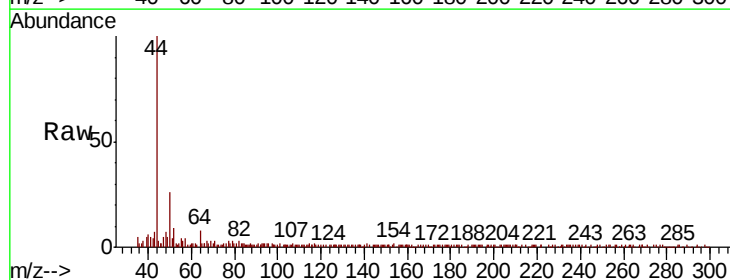
Acq: 02 Apr 2020 13:51

Tgt Ion: 50 Resp: 5524

Ion Ratio Lower Upper

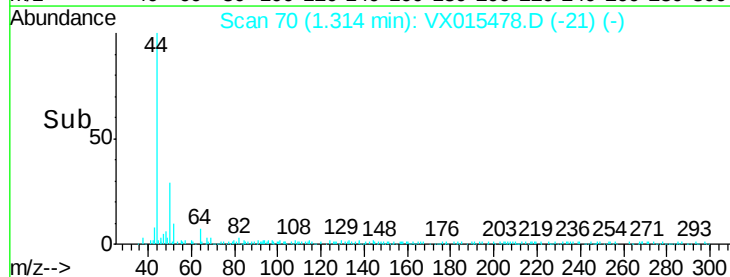
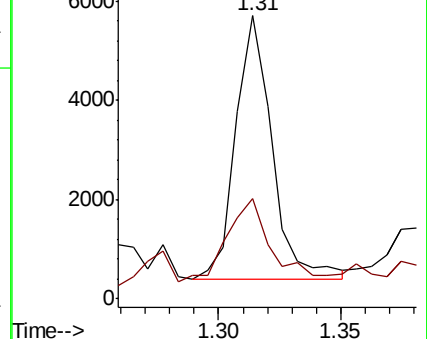
50 100

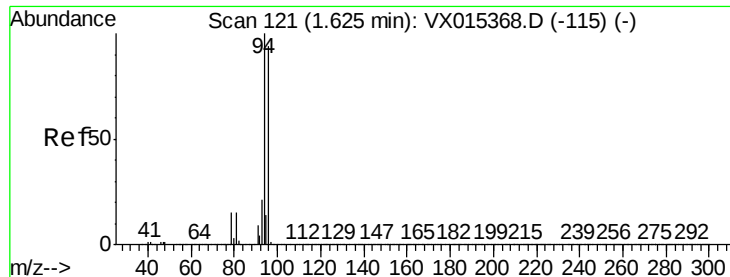
52 29.1 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX015478.D

Acq: 02 Apr 2020 13:51

Instrument :

MSVOA_X

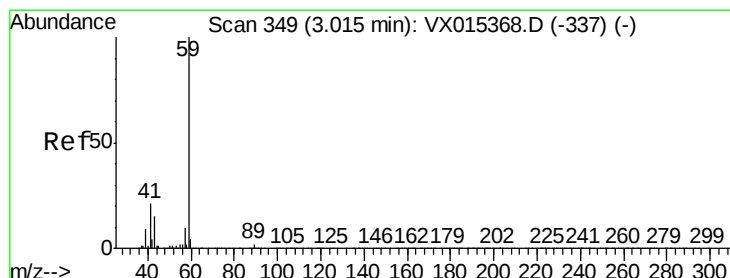
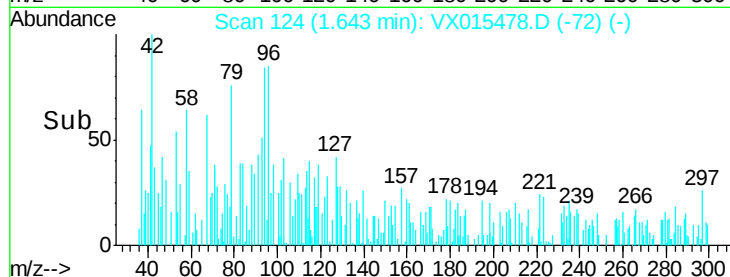
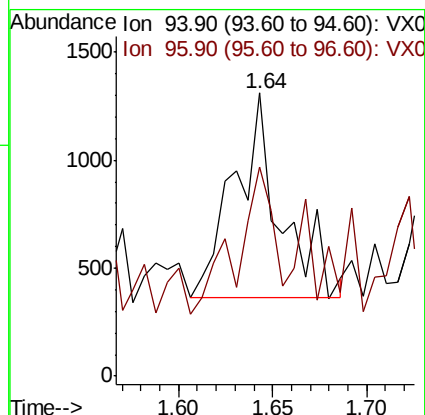
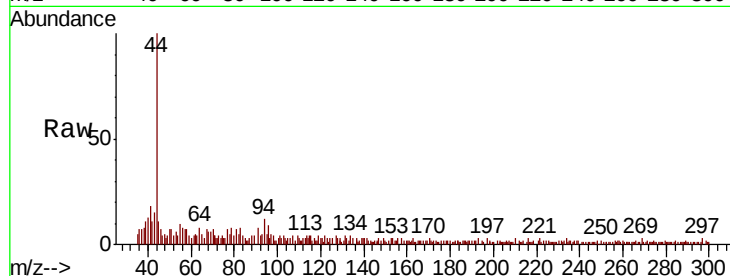
ClientSampled :

Tot Ion: 94 Resp: 1609

Ion Ratio Lower Upper

94 100

96 102.4 74.8 112.2



#11

Tert butyl alcohol

Concen: 1.468 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.01 min

Lab File: VX015478.D

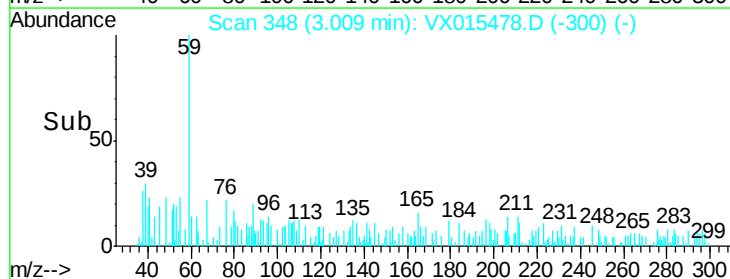
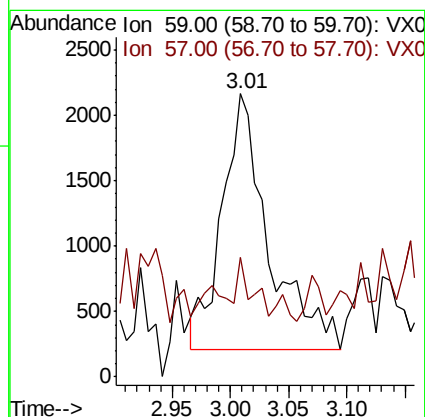
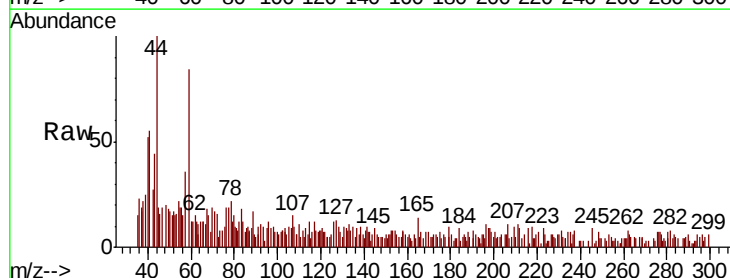
Acq: 02 Apr 2020 13:51

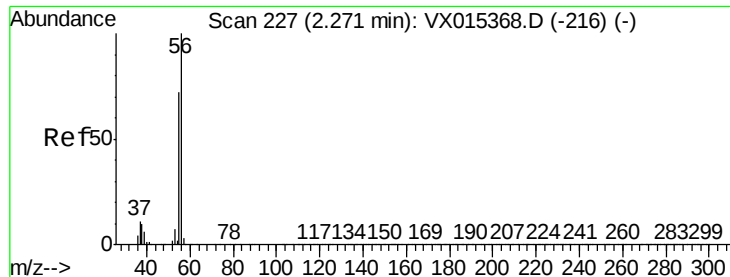
Tgt Ion: 59 Resp: 5438

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#

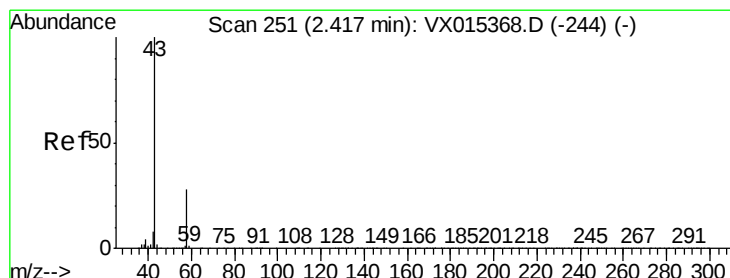
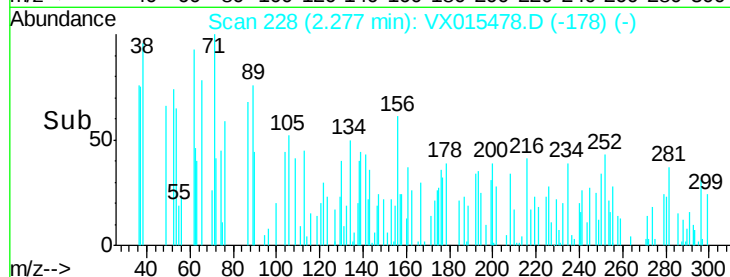
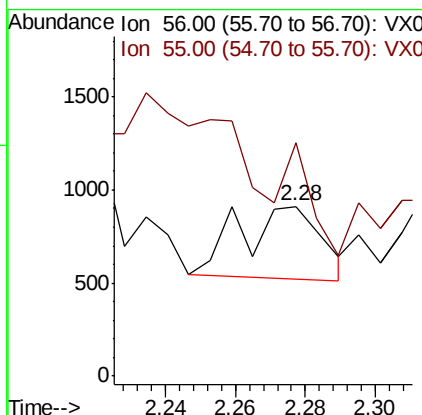
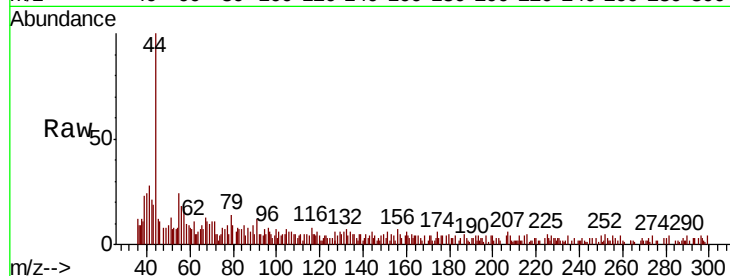




#13
Acrolein
Concen: 0.299 ug/l
RT: 2.28 min Scan# 228
Delta R.T. 0.01 min
Lab File: VX015478.D
Acq: 02 Apr 2020 13:51

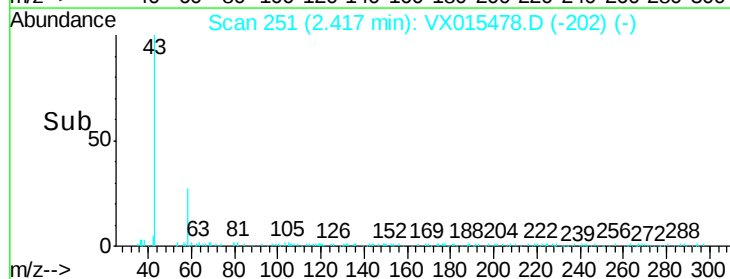
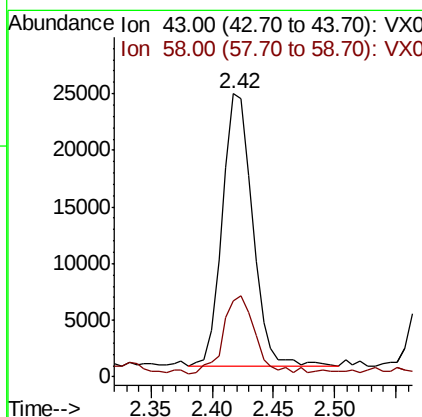
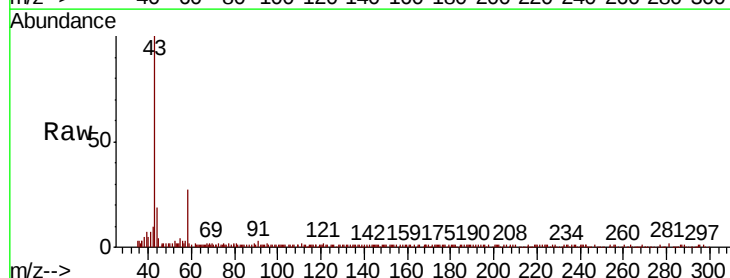
Instrument :
MSVOA_X
ClientSampled :

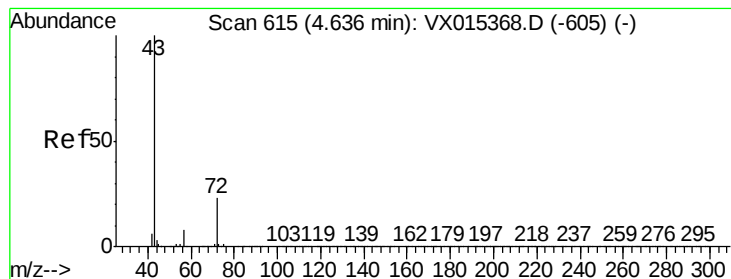
Tot Ion: 56 Resp: 630
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#



#16
Acetone
Concen: 6.225 ug/l
RT: 2.42 min Scan# 251
Delta R.T. -0.00 min
Lab File: VX015478.D
Acq: 02 Apr 2020 13:51

Tgt Ion: 43 Resp: 41391
Ion Ratio Lower Upper
43 100
58 26.9 22.1 33.1





#25

2-Butanone

Concen: 0.783 ug/l

RT: 4.67 min Scan# 620

Delta R.T. 0.03 min

Lab File: VX015478.D

Acq: 02 Apr 2020 13:51

Instrument :

MSVOA_X

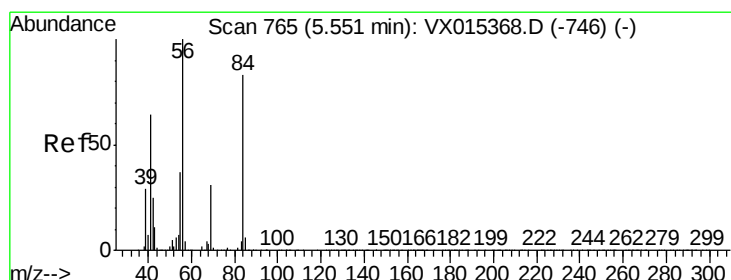
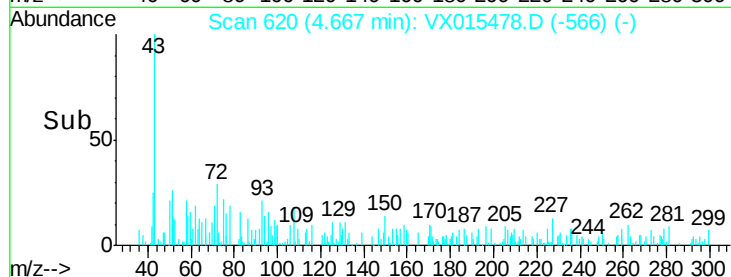
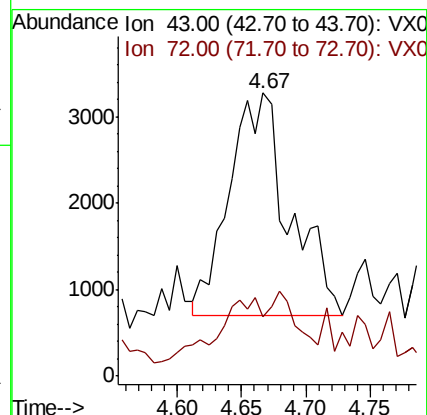
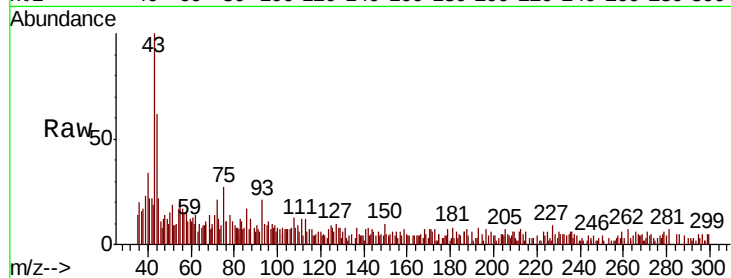
ClientSampleId :

Tot Ion: 43 Resp: 8377

Ion Ratio Lower Upper

43 100

72 12.9 19.0 28.4#



#31

Cyclohexane

Concen: 1.219 ug/l

RT: 5.63 min Scan# 778

Delta R.T. 0.08 min

Lab File: VX015478.D

Acq: 02 Apr 2020 13:51

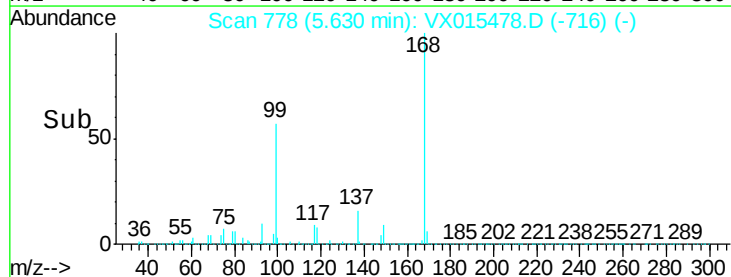
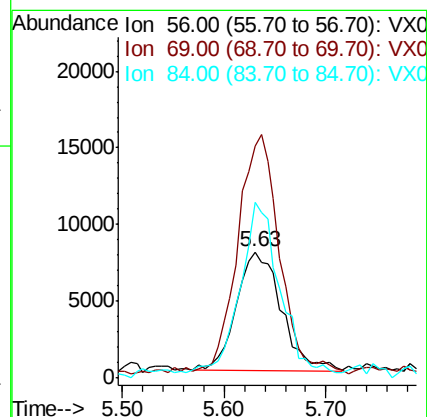
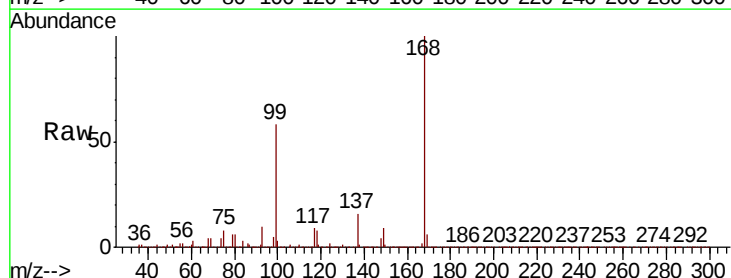
Tgt Ion: 56 Resp: 23875

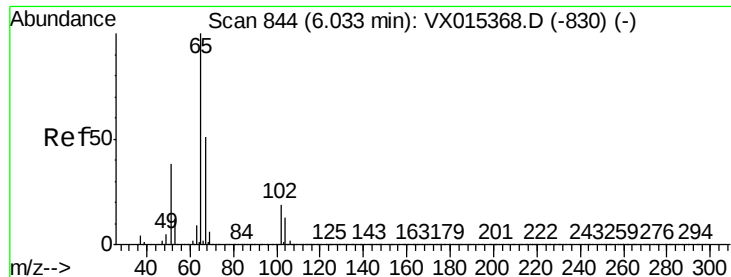
Ion Ratio Lower Upper

56 100

69 189.3 24.6 36.8#

84 142.5 66.1 99.1#





#33

1,2-Dichloroethane-d4

Concen: 47.815 ug/l

RT: 6.03 min Scan# 844

Delta R.T. -0.00 min

Lab File: VX015478.D

Acq: 02 Apr 2020 13:51

Instrument :

MSVOA_X

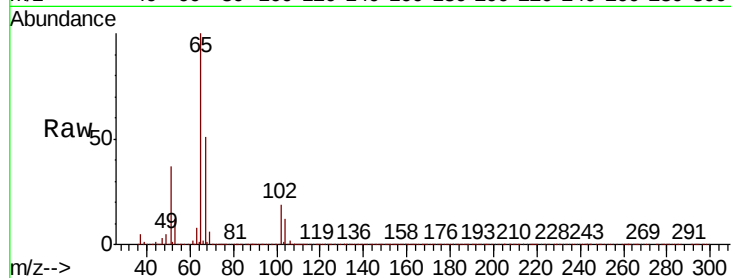
ClientSampleId :

Tot Ion: 65 Resp: 739973

Ion Ratio Lower Upper

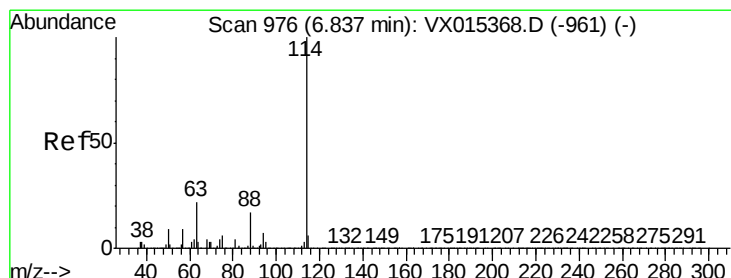
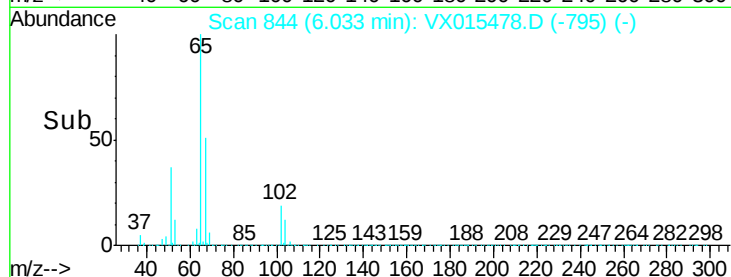
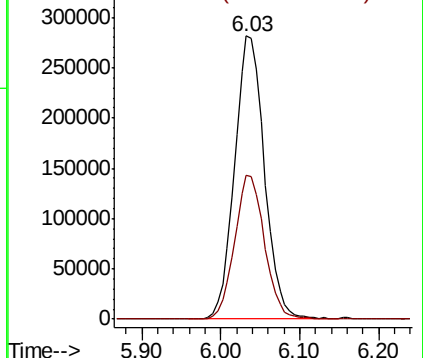
65 100

67 50.7 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 976

Delta R.T. -0.00 min

Lab File: VX015478.D

Acq: 02 Apr 2020 13:51

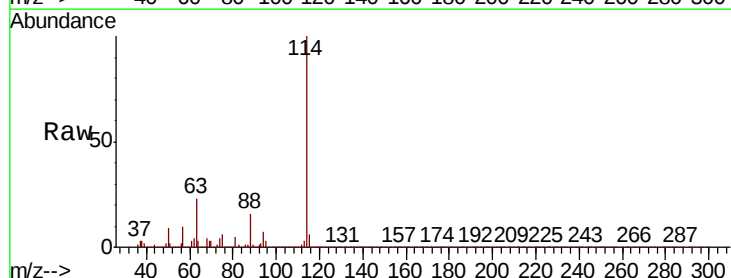
Tgt Ion:114 Resp: 1766645

Ion Ratio Lower Upper

114 100

63 22.8 0.0 44.2

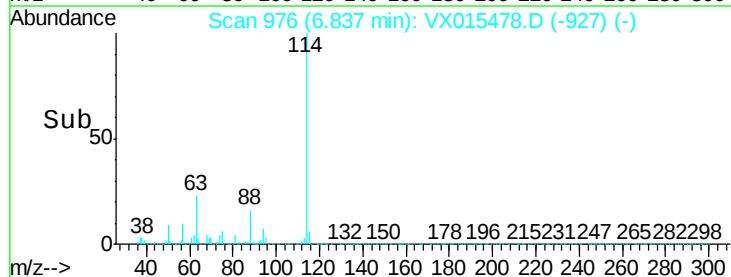
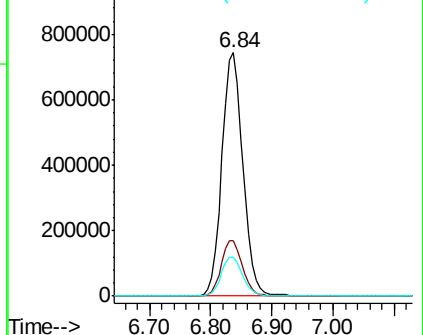
88 15.9 0.0 33.8

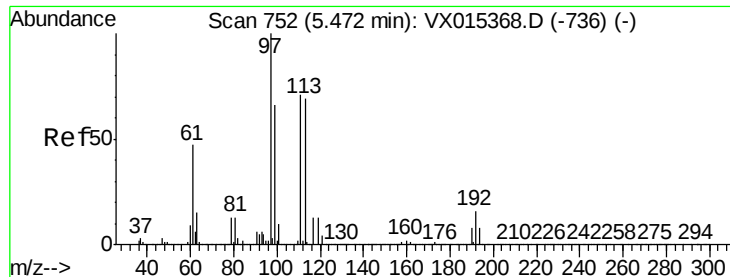


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

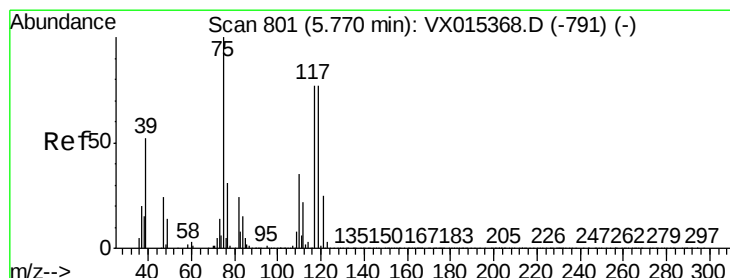
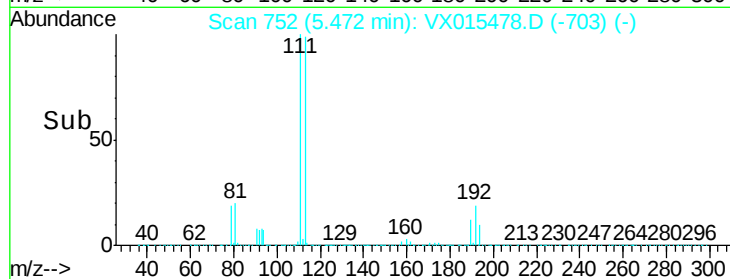
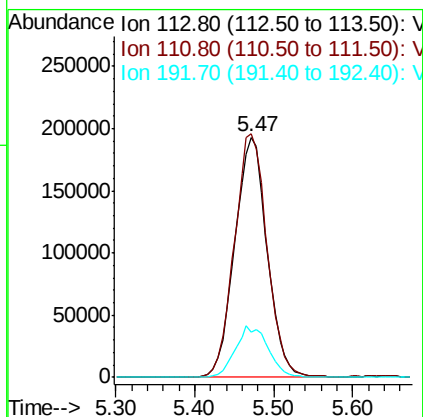
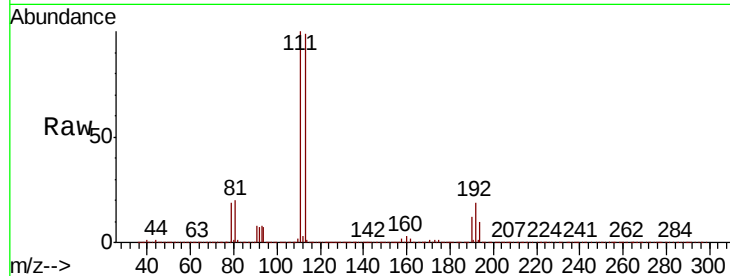




#35
 Dibromofluoromethane
 Concen: 48.608 ug/l
 RT: 5.47 min Scan# 752
 Delta R.T. -0.00 min
 Lab File: VX015478.D
 Acq: 02 Apr 2020 13:51

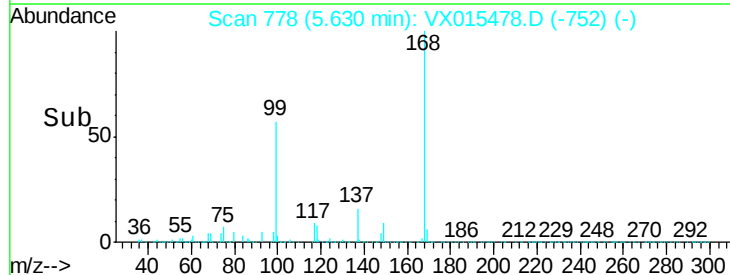
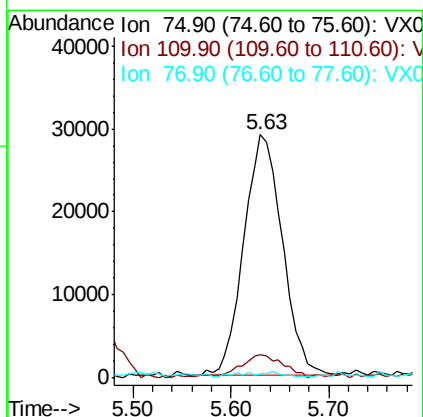
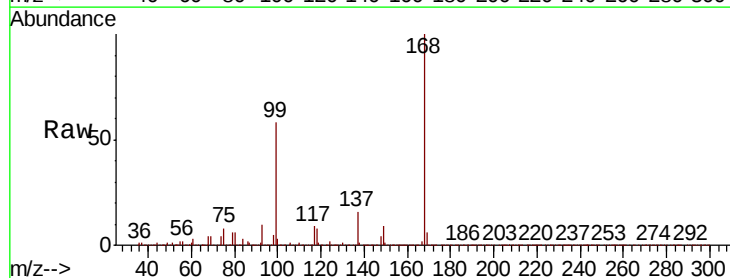
Instrument :
 MSVOA_X
 ClientSampled :

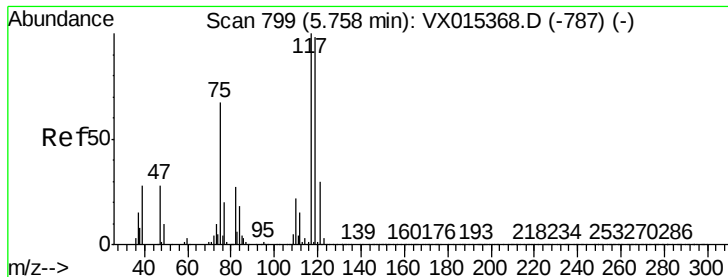
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.5	122.3
192	21.8	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 4.888 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.14 min
 Lab File: VX015478.D
 Acq: 02 Apr 2020 13:51

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.1	17.1	51.3#
77	0.9	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 5.973 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.12 min

Lab File: VX015478.D

Acq: 02 Apr 2020 13:51

Instrument :

MSVOA_X

ClientSampled :

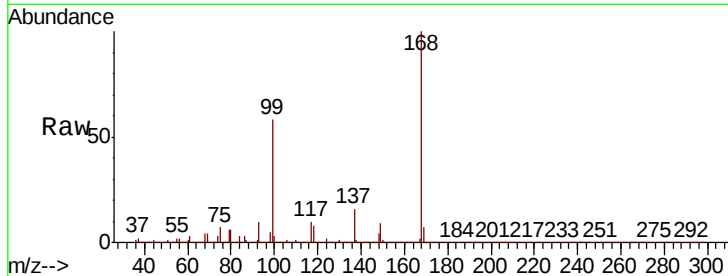
Tot Ion:117 Resp: 105302

Ion Ratio Lower Upper

117 100

119 2.9 78.0 117.0#

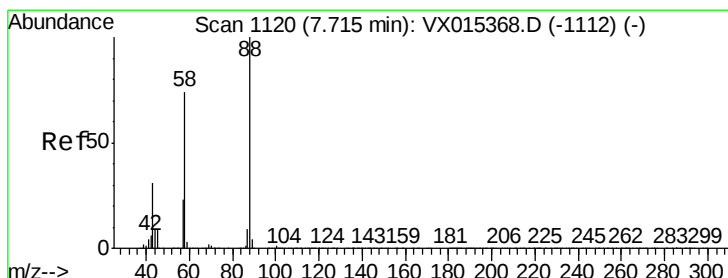
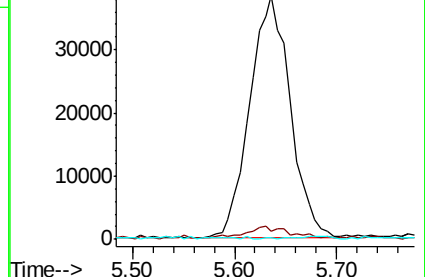
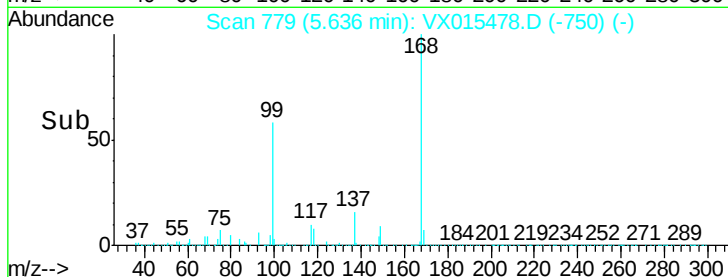
121 0.1 23.8 35.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 2.091 ug/l

RT: 7.72 min Scan# 1120

Delta R.T. -0.00 min

Lab File: VX015478.D

Acq: 02 Apr 2020 13:51

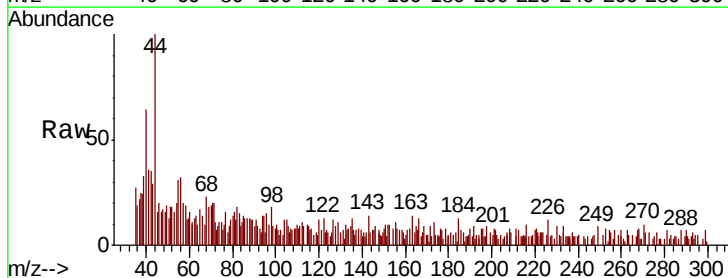
Tgt Ion: 88 Resp: 697

Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

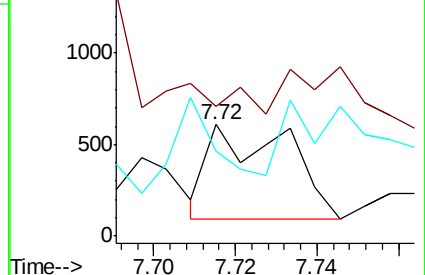
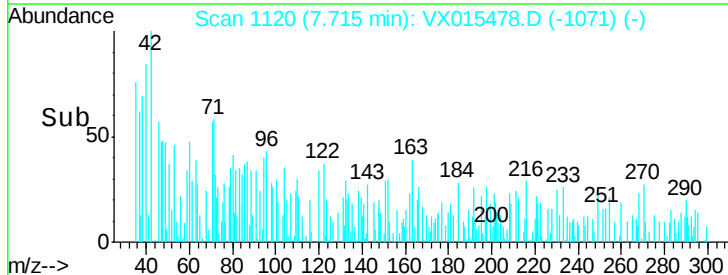
58 61.0 60.6 90.8

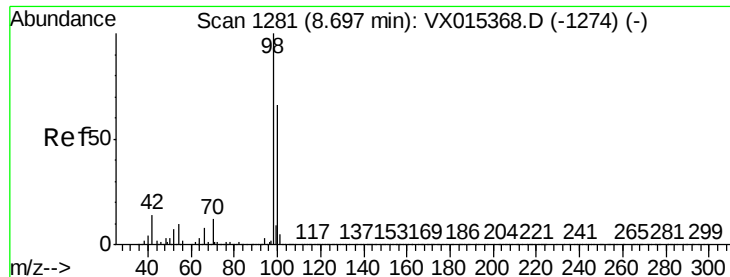


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

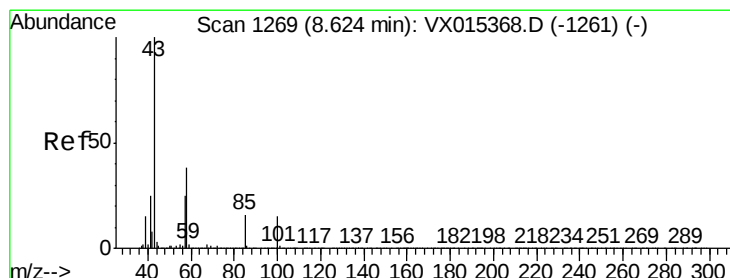
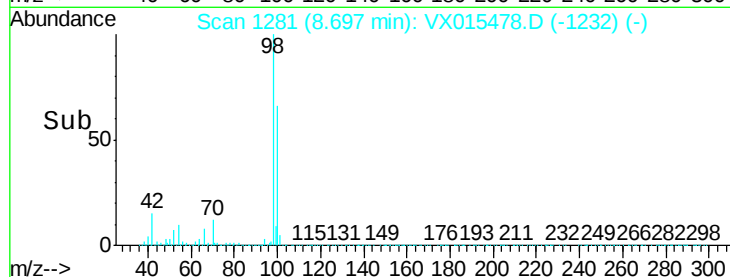
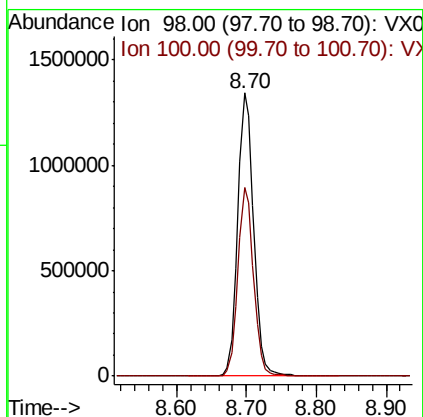
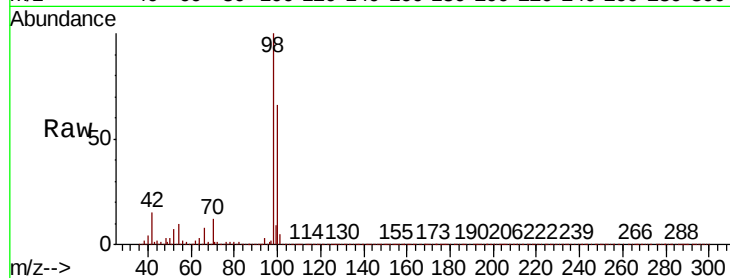




#50
Toluene-d8
Concen: 51.187 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VX015478.D
Acq: 02 Apr 2020 13:51

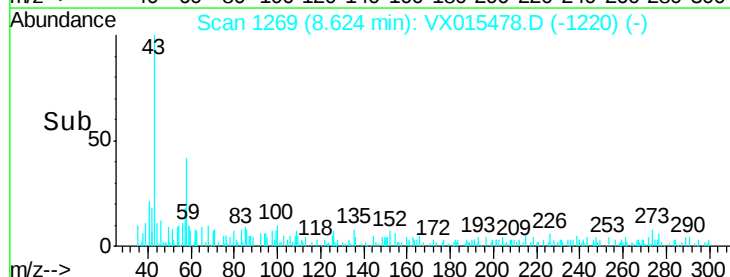
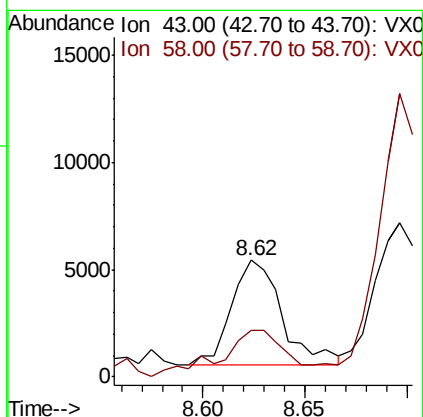
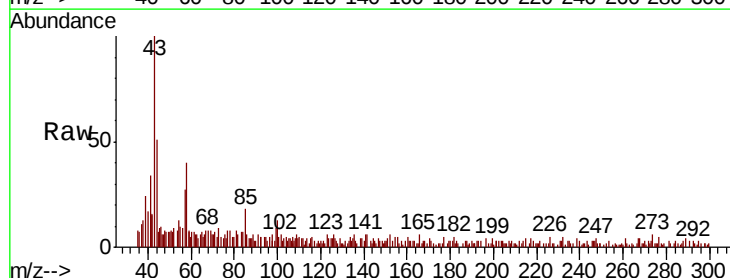
Instrument :
MSVOA_X
ClientSampleId :

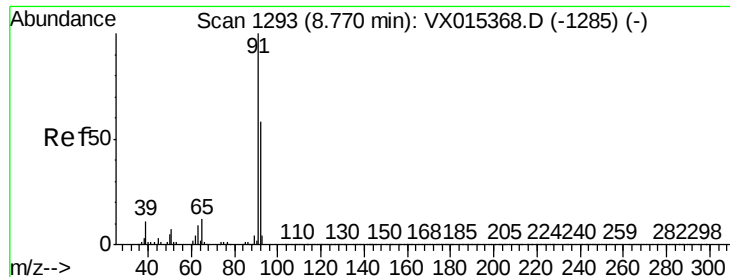
Tot Ion: 98 Resp: 2128200
Ion Ratio Lower Upper
98 100
100 65.7 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 0.421 ug/l
RT: 8.62 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VX015478.D
Acq: 02 Apr 2020 13:51

Tgt Ion: 43 Resp: 8532
Ion Ratio Lower Upper
43 100
58 57.6 29.7 44.5#





#52

Toluene

Concen: 1.708 ug/l

RT: 8.77 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VX015478.D

Acq: 02 Apr 2020 13:51

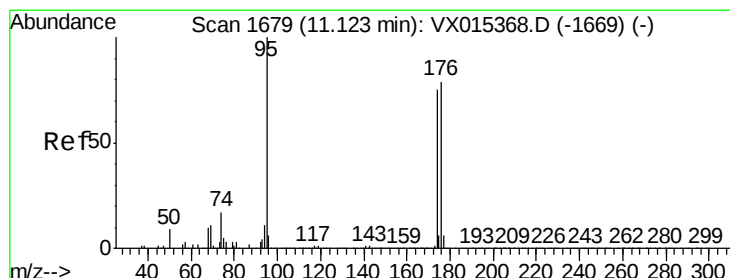
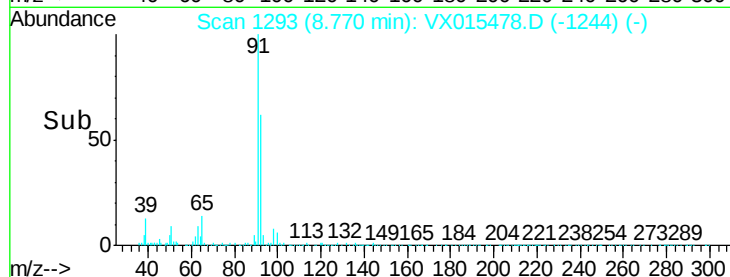
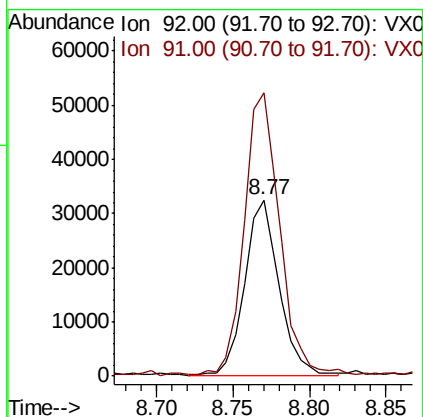
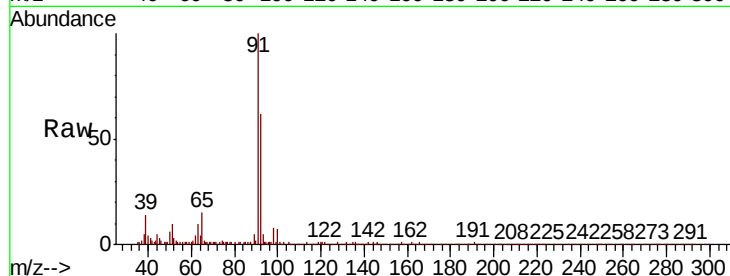
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 92 Resp: 50205

Ion Ratio Lower Upper

92 100

91 165.8 136.6 205.0



#62

4-Bromofluorobenzene

Concen: 53.294 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VX015478.D

Acq: 02 Apr 2020 13:51

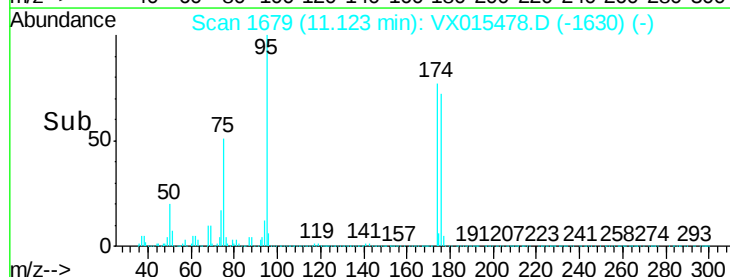
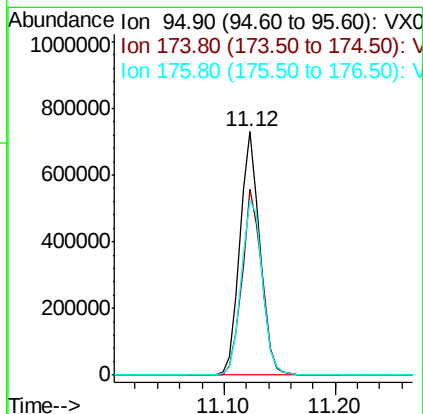
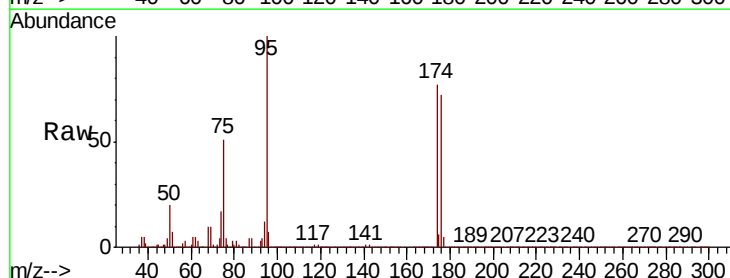
Tgt Ion: 95 Resp: 900510

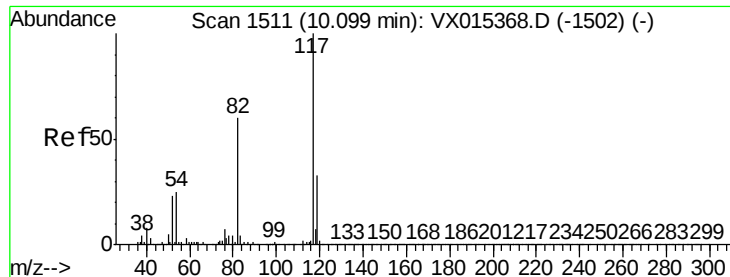
Ion Ratio Lower Upper

95 100

174 76.3 0.0 158.6

176 76.4 0.0 159.0

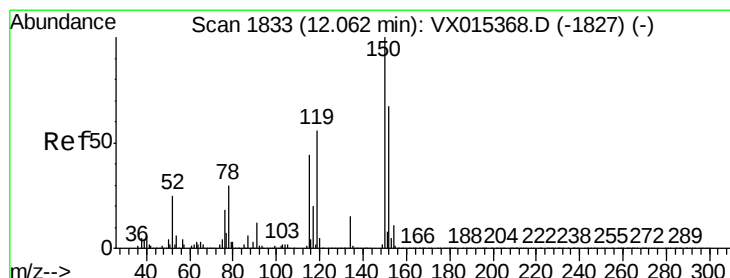
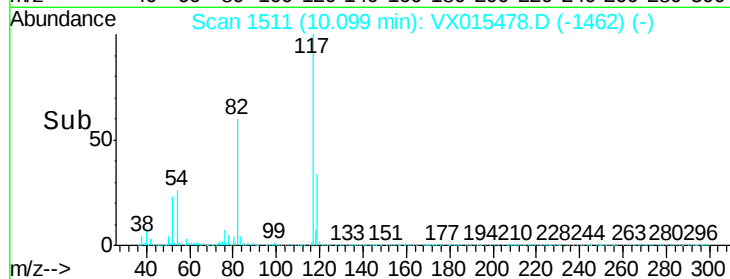
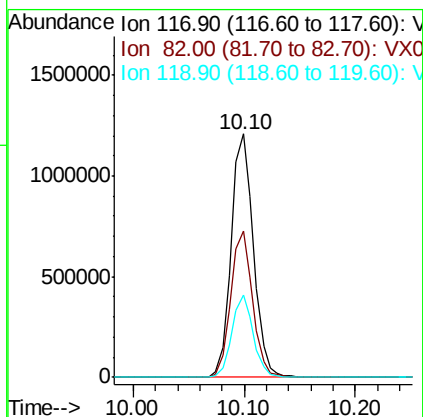
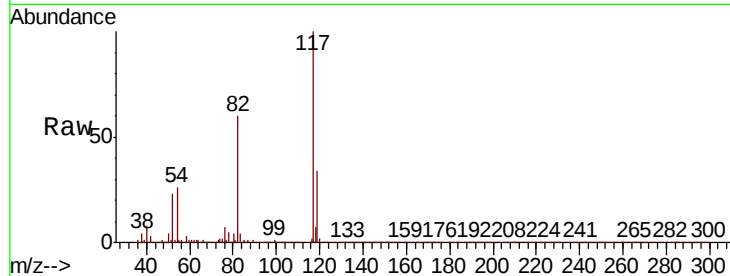




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. -0.00 min
Lab File: VX015478.D
Acq: 02 Apr 2020 13:51

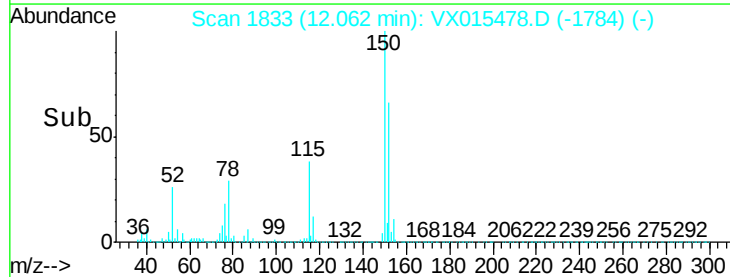
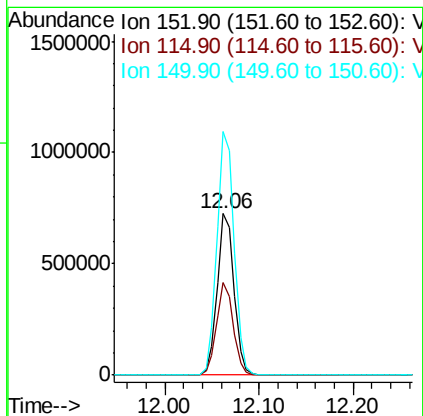
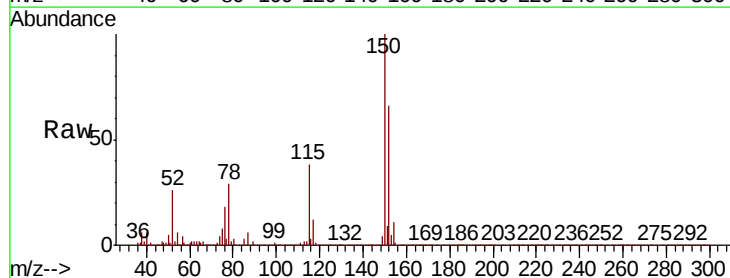
Instrument :
MSVOA_X
ClientSampleId :

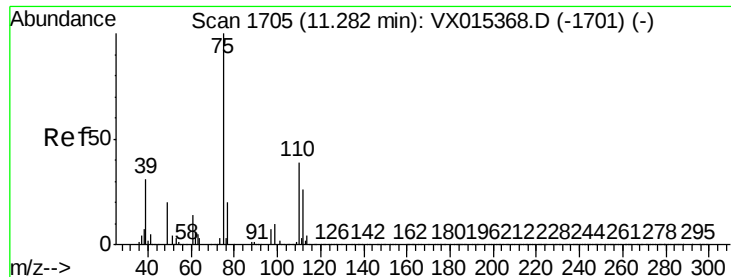
Tot Ion:117 Resp: 1663427
Ion Ratio Lower Upper
117 100
82 60.3 47.8 71.8
119 33.7 26.8 40.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VX015478.D
Acq: 02 Apr 2020 13:51

Tgt Ion:152 Resp: 895384
Ion Ratio Lower Upper
152 100
115 57.1 39.0 116.9
150 155.2 0.0 340.8





#76

1,2,3-Trichloropropane

Concen: 25.554 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015478.D

Acq: 02 Apr 2020 13:51

Instrument :

MSVOA_X

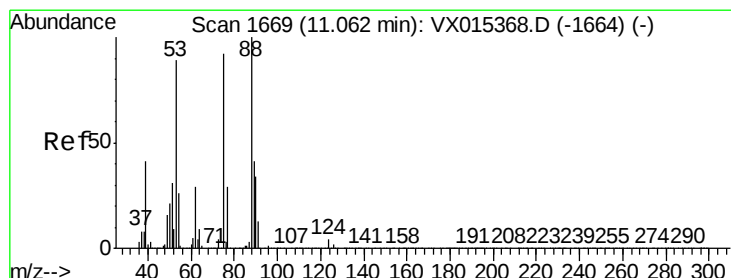
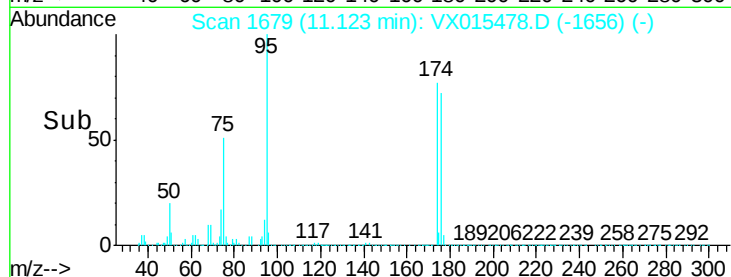
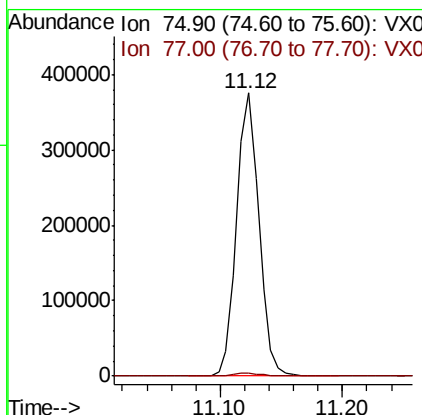
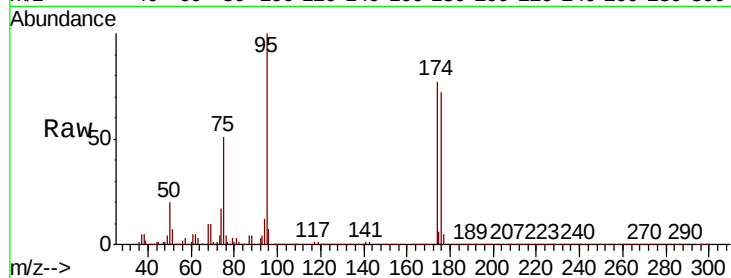
ClientSampleId :

Tot Ion: 75 Resp: 470529

Ion Ratio Lower Upper

75 100

77 1.1 21.2 63.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.317 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015478.D

Acq: 02 Apr 2020 13:51

Tgt Ion: 75 Resp: 470529

Ion Ratio Lower Upper

75 100

53 0.1 80.1 120.1#

89 0.0 36.1 54.1#

