

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041819\
 Data File : VX009054.D
 Acq On : 18 Apr 2019 19:16
 Operator : JC/SP
 Sample : K2461-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GMW-5

Quant Time: Apr 19 01:40:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	236723	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	385028	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	333918	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	140200	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	159132	47.70	ug/l	0.00
Spiked Amount			Recovery	=	95.40%	
35) Dibromofluoromethane	5.50	113	115543	46.76	ug/l	0.00
Spiked Amount			Recovery	=	93.52%	
50) Toluene-d8	8.71	98	477321	48.44	ug/l	0.00
Spiked Amount			Recovery	=	96.88%	
62) 4-Bromofluorobenzene	11.13	95	158143	45.46	ug/l	0.00
Spiked Amount			Recovery	=	90.92%	

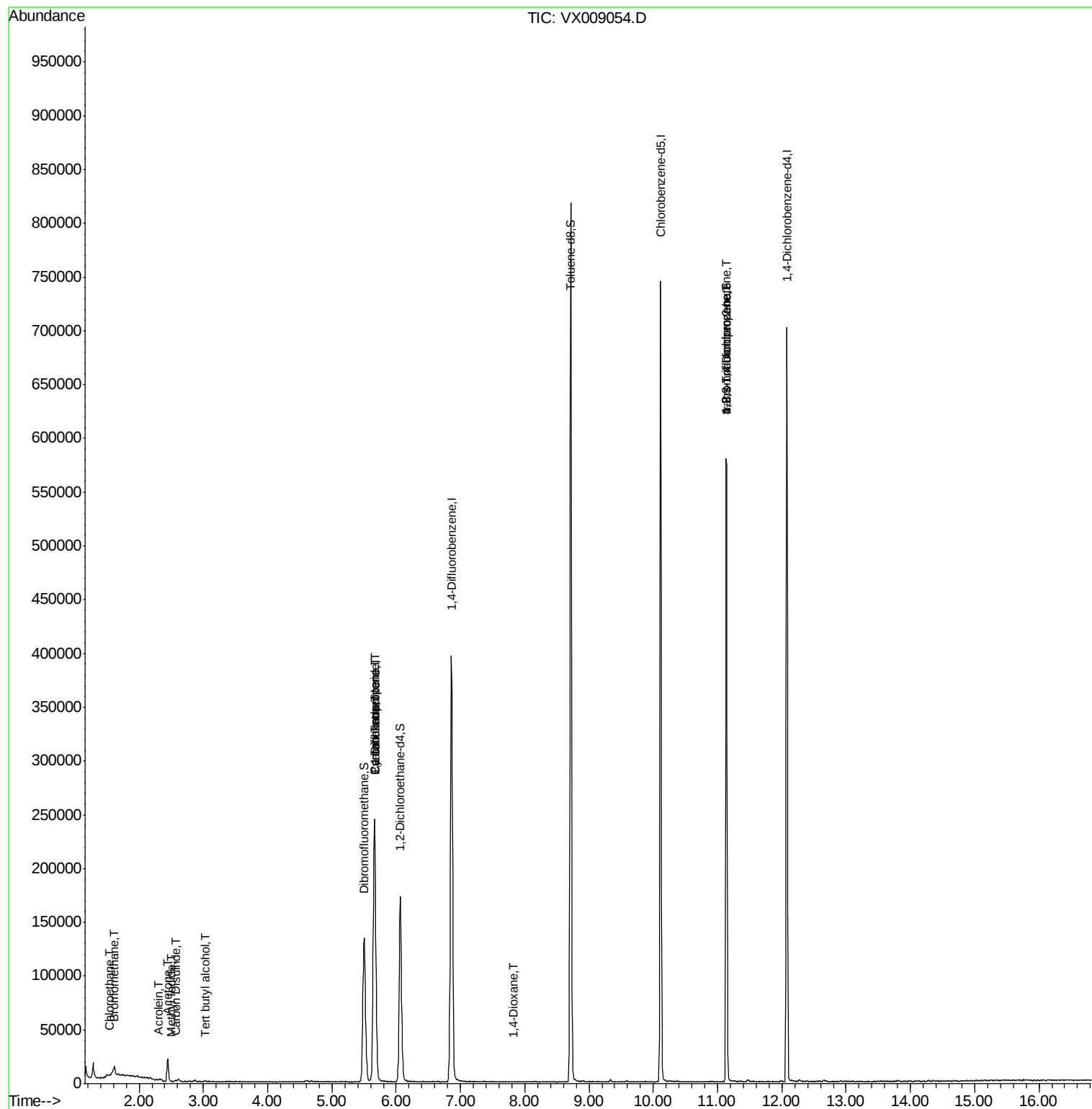
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.62	94	493	4.071	ug/l #	44
6) Chloroethane	1.55	64	6600	3.445	ug/l #	60
10) Methyl Iodide	2.51	142	89	4.445	ug/l #	42
11) Tert butyl alcohol	3.03	59	599	0.809	ug/l #	80
13) Acrolein	2.31	56	133	0.208	ug/l #	14
16) Acetone	2.45	43	23099	13.352	ug/l	99
17) Carbon Disulfide	2.57	76	880	1.368	ug/l #	92
28) Bromochloromethane	5.01	49	113	Below Cal	#	21
31) Cyclohexane	5.67	56	5307	0.999	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	19110	4.799	ug/l #	50
38) Carbon Tetrachloride	5.67	117	22384	6.631	ug/l #	16
49) 1,4-Dioxane	7.83	88	19	0.249	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	80544	23.527	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	80544	60.401	ug/l #	11

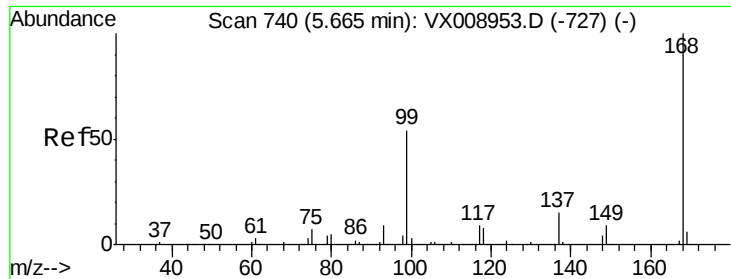
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009054.D

Acq: 18 Apr 2019 19:16

Instrument :

MSVOA_X

ClientSampleId :

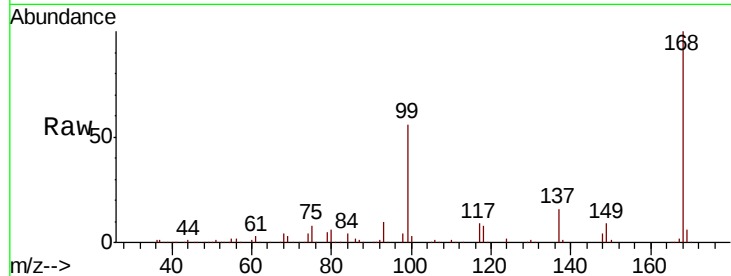
GMW-5

Tot Ion:168 Resp: 236723

Ion Ratio Lower Upper

168 100

99 56.5 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

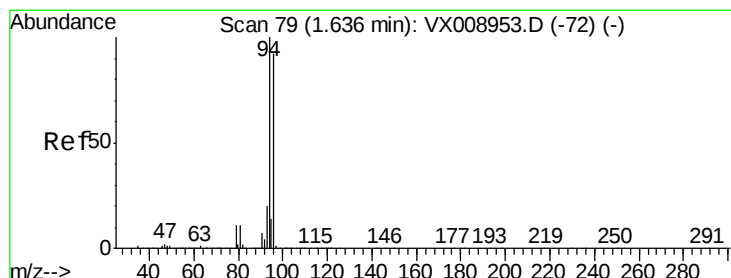
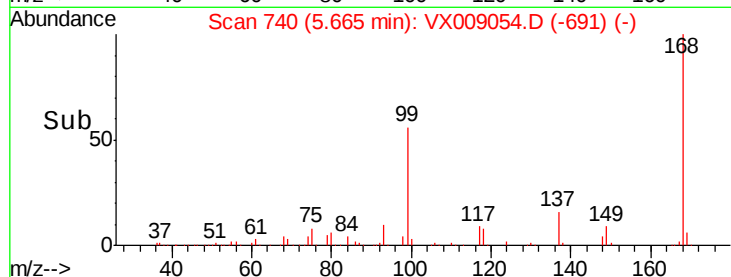
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 4.071 ug/l

RT: 1.62 min Scan# 76

Delta R.T. -0.02 min

Lab File: VX009054.D

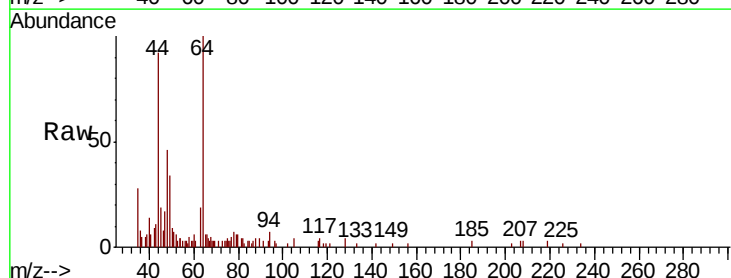
Acq: 18 Apr 2019 19:16

Tgt Ion: 94 Resp: 493

Ion Ratio Lower Upper

94 100

96 38.7 73.9 110.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.62

200

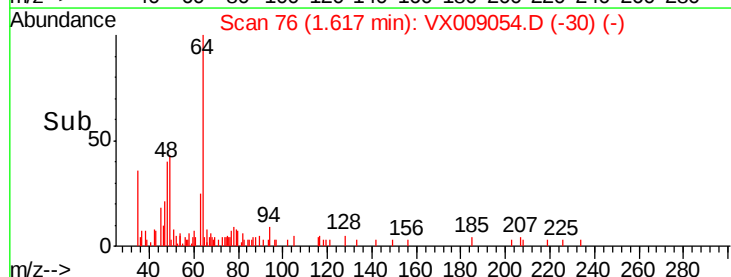
150

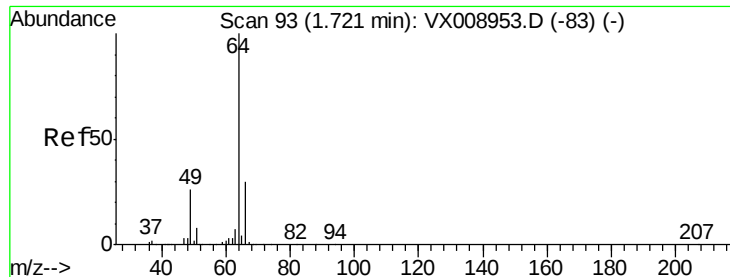
100

50

0

Time--> 1.55 1.60 1.65 1.70





#6

Chloroethane

Concen: 3.445 ug/l

RT: 1.55 min Scan# 65

Delta R.T. -0.17 min

Lab File: VX009054.D

Acq: 18 Apr 2019 19:16

Instrument :

MSVOA_X

ClientSampled :

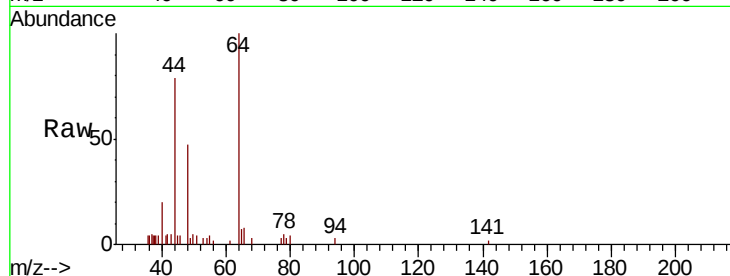
GMW-5

Tot Ion: 64 Resp: 6600

Ion Ratio Lower Upper

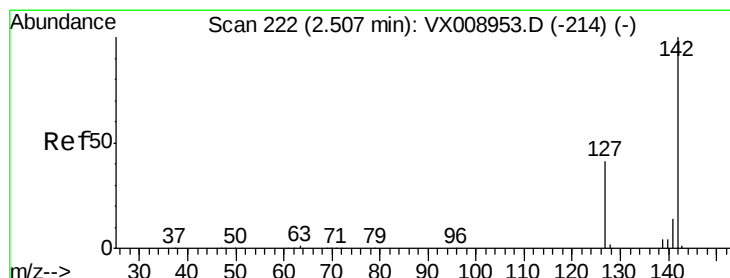
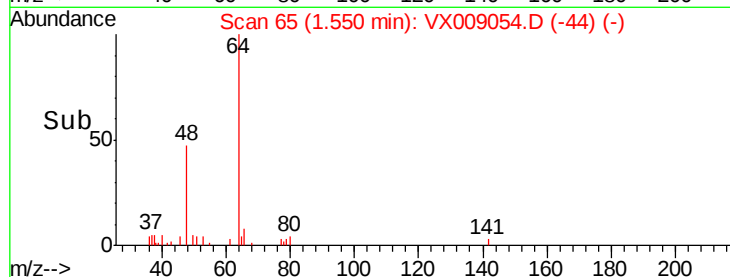
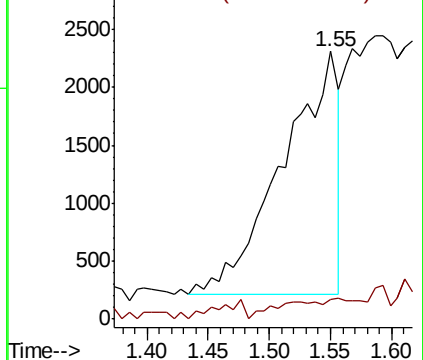
64 100

66 8.4 24.2 36.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 4.445 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX009054.D

Acq: 18 Apr 2019 19:16

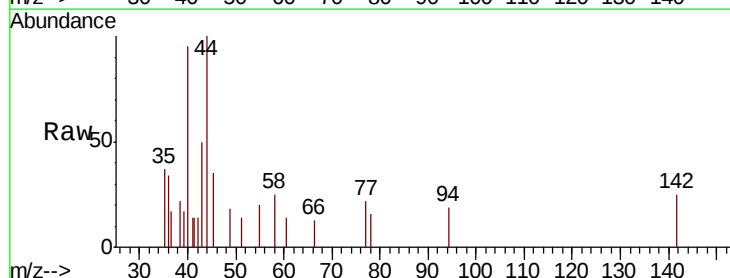
Tgt Ion: 142 Resp: 89

Ion Ratio Lower Upper

142 100

127 0.0 32.8 49.2#

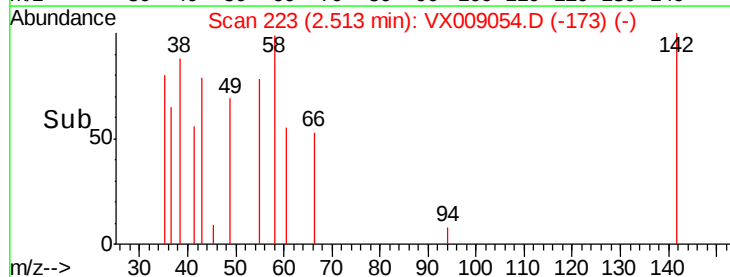
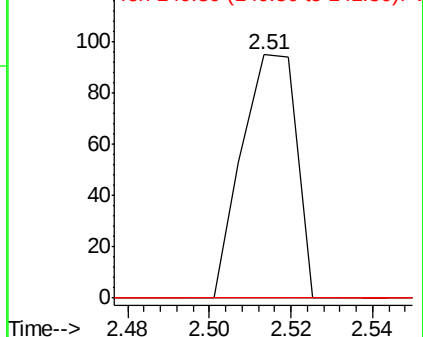
141 0.0 11.4 17.2#

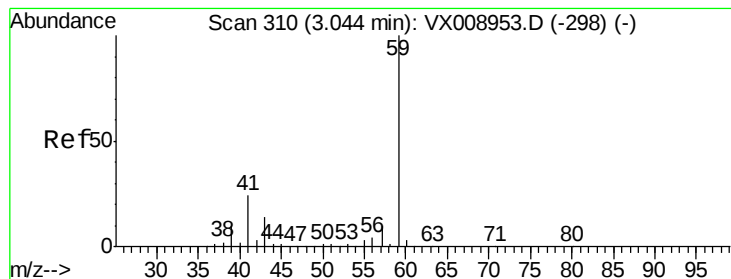


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



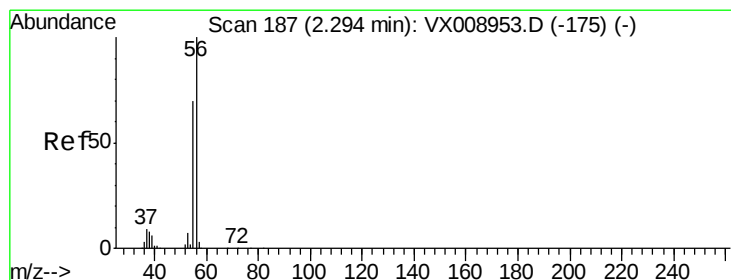
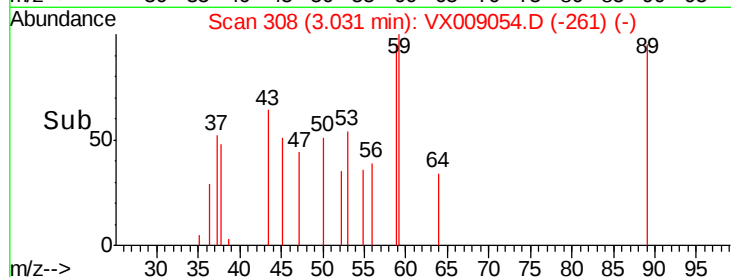
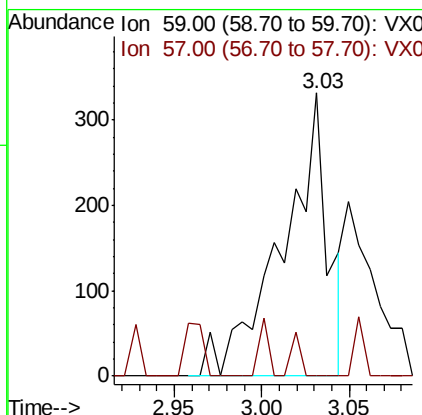
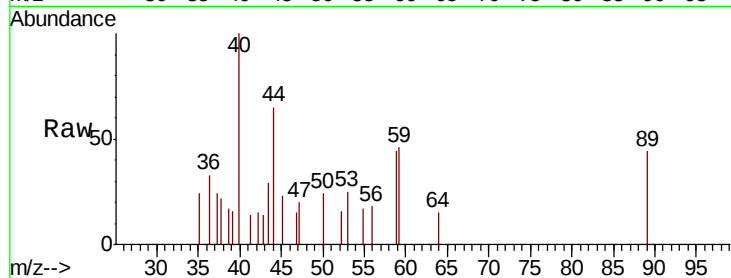


#11

Tert butyl alcohol
 Concen: 0.809 ug/l
 RT: 3.03 min Scan# 308
 Delta R.T. -0.01 min
 Lab File: VX009054.D
 Acq: 18 Apr 2019 19:16

Instrument :
 MSVOA_X
 ClientSampled :
 GMW-5

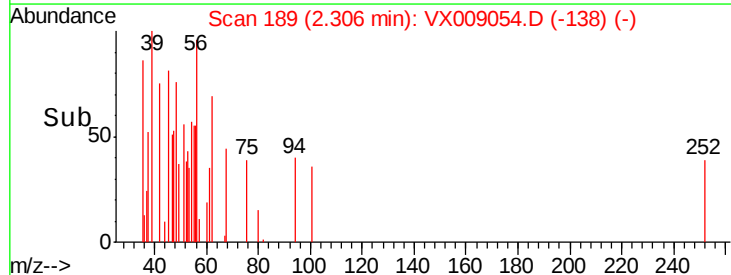
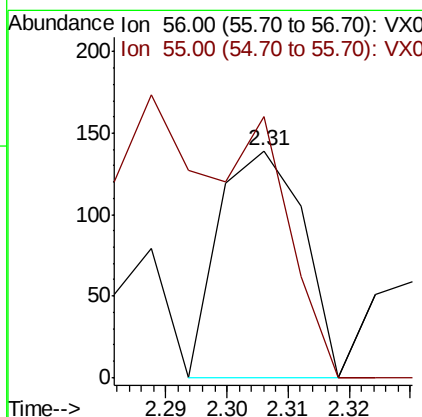
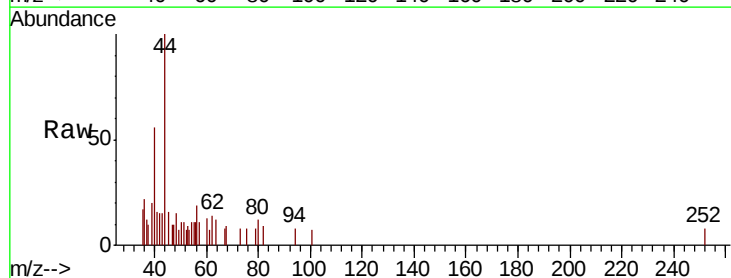
Tot Ion: 59 Resp: 599
 Ion Ratio Lower Upper
 59 100
 57 3.2 8.4 12.6#

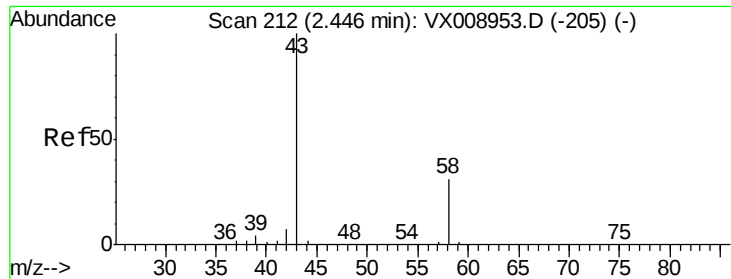


#13

Acrolein
 Concen: 0.208 ug/l
 RT: 2.31 min Scan# 189
 Delta R.T. 0.01 min
 Lab File: VX009054.D
 Acq: 18 Apr 2019 19:16

Tgt Ion: 56 Resp: 133
 Ion Ratio Lower Upper
 56 100
 55 0.0 56.6 84.8#





#16

Acetone

Concen: 13.352 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009054.D

Acq: 18 Apr 2019 19:16

Instrument :

MSVOA_X

ClientSampled :

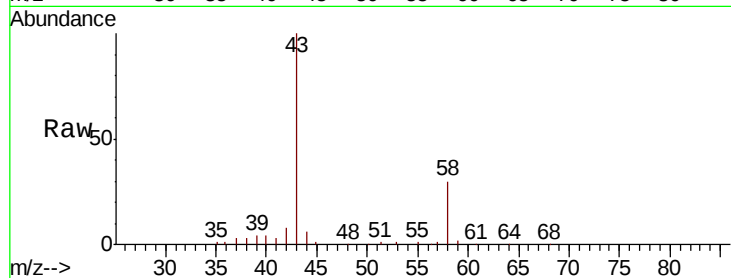
GMW-5

Tot Ion: 43 Resp: 23099

Ion Ratio Lower Upper

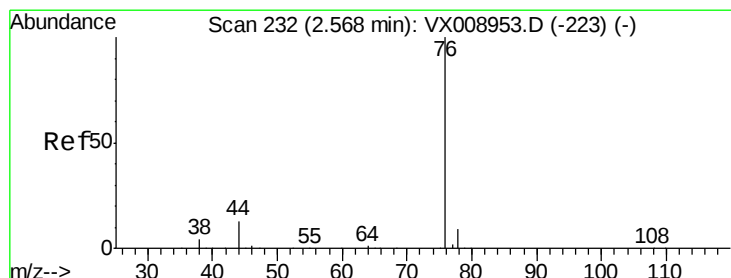
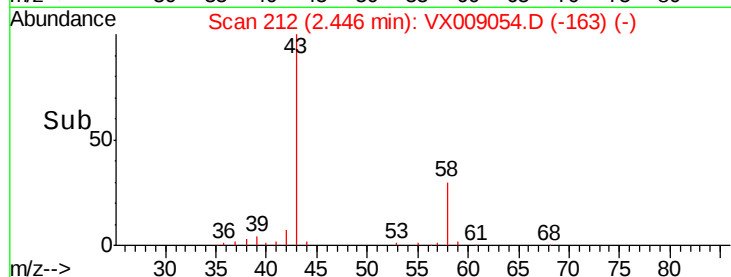
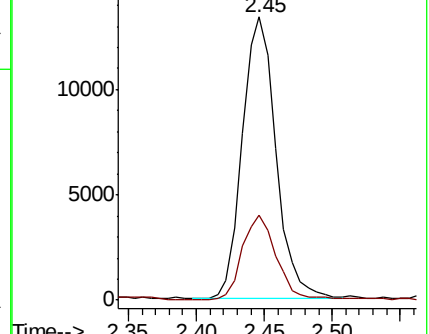
43 100

58 30.2 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 1.368 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX009054.D

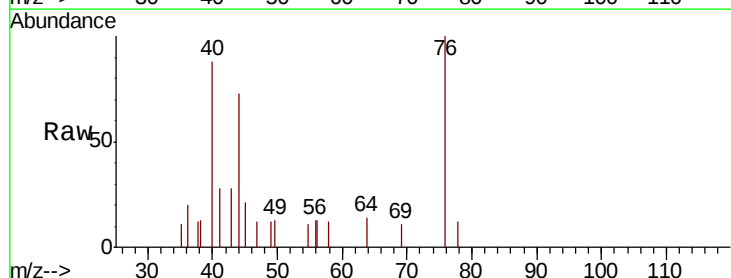
Acq: 18 Apr 2019 19:16

Tgt Ion: 76 Resp: 880

Ion Ratio Lower Upper

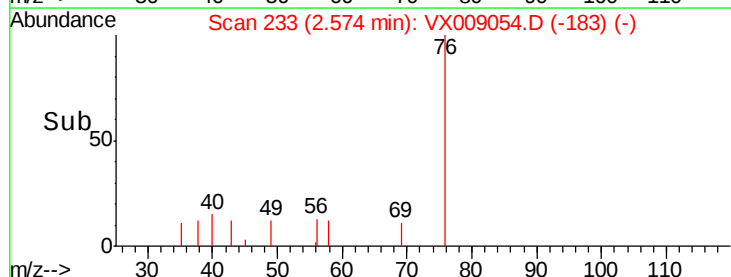
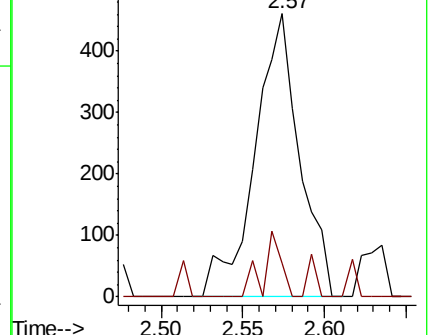
76 100

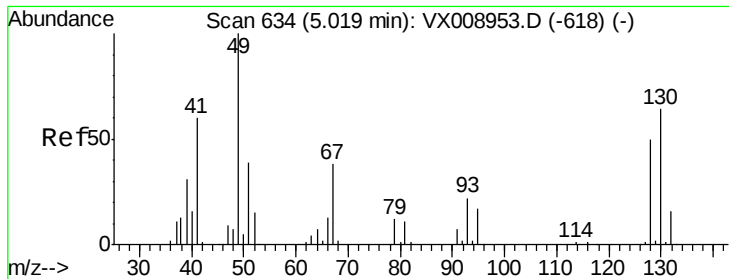
78 11.9 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 633

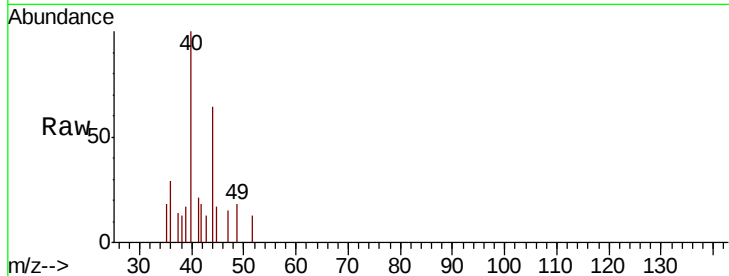
Delta R.T. -0.01 min

Lab File: VX009054.D

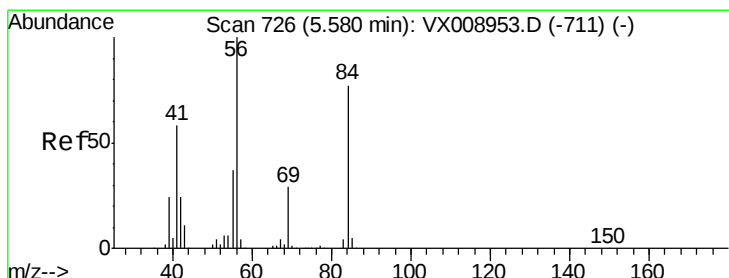
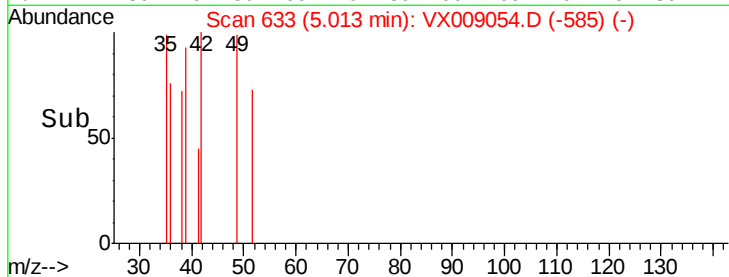
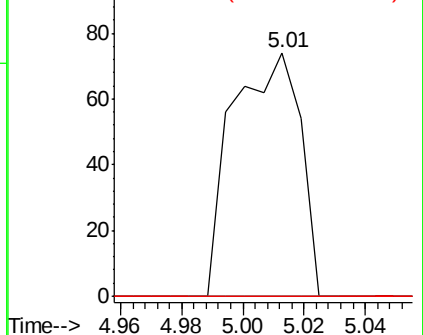
Acq: 18 Apr 2019 19:16

Instrument :
MSVOA_X
ClientSampleId :
GMW-5

Tot Ion: 49 Resp: 113
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 50.4 75.6#



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V



#31

Cyclohexane

Concen: 0.999 ug/l

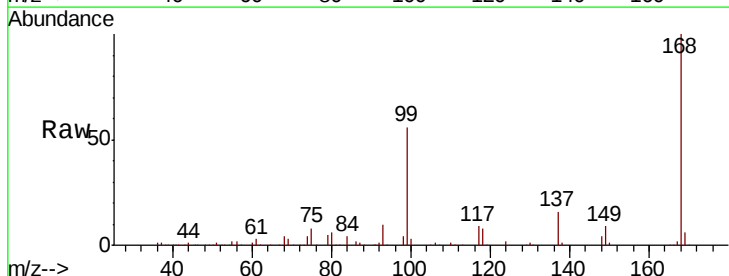
RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

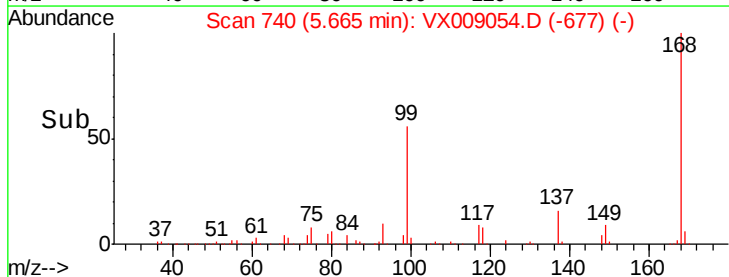
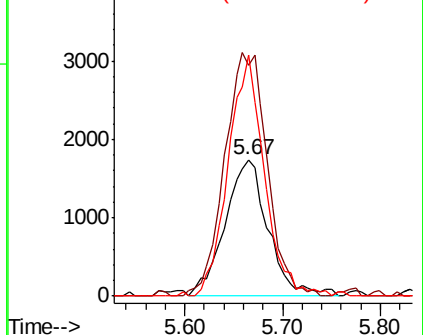
Lab File: VX009054.D

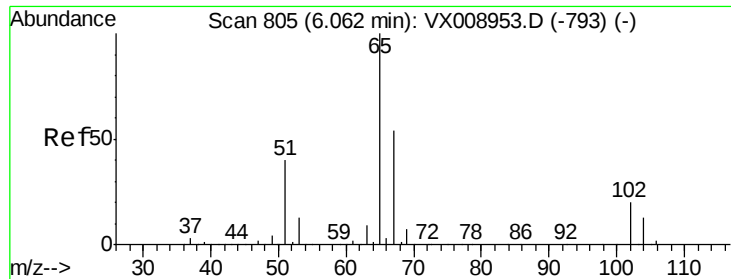
Acq: 18 Apr 2019 19:16

Tgt Ion: 56 Resp: 5307
Ion Ratio Lower Upper
56 100
69 165.9 23.3 34.9#
84 177.0 61.7 92.5#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

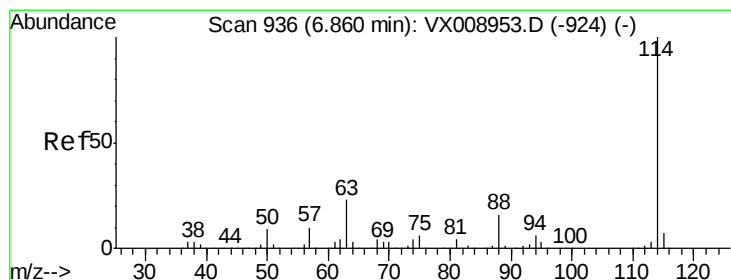
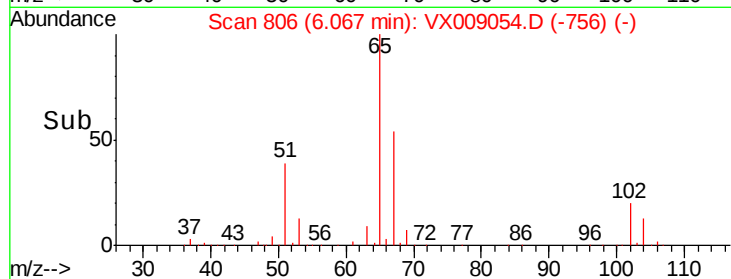
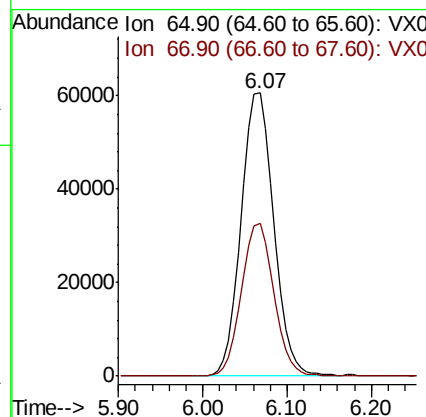
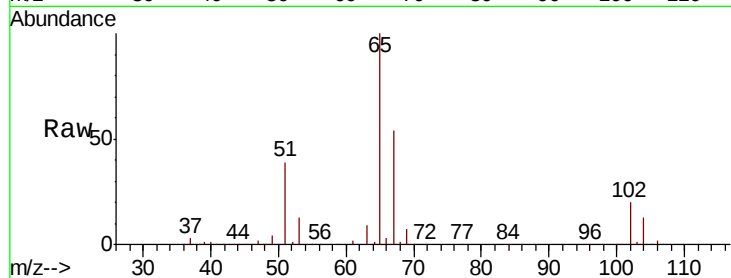




#33
 1,2-Dichloroethane-d4
 Concen: 47.700 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX009054.D
 Acq: 18 Apr 2019 19:16

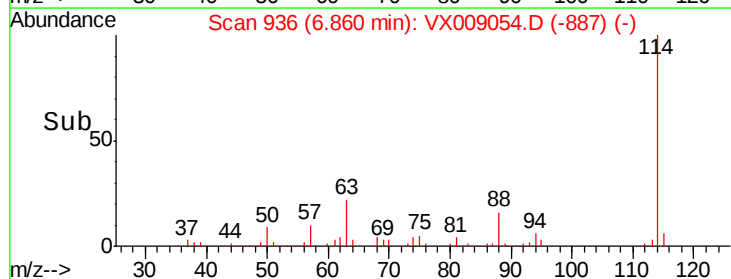
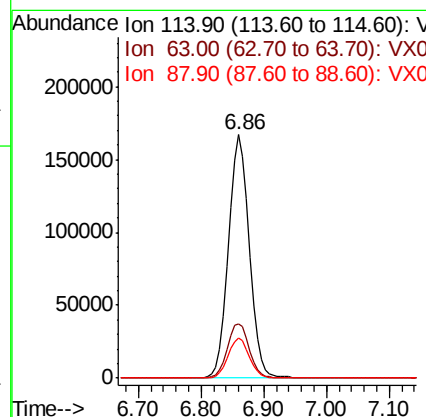
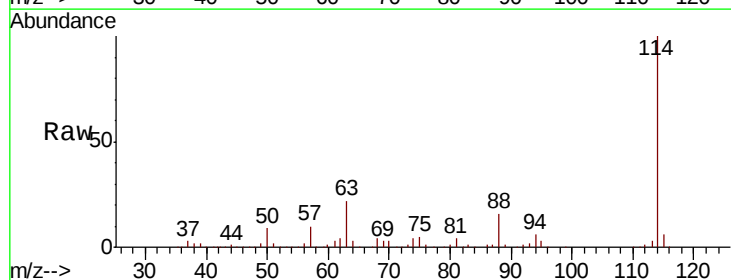
Instrument :
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 GMW-5

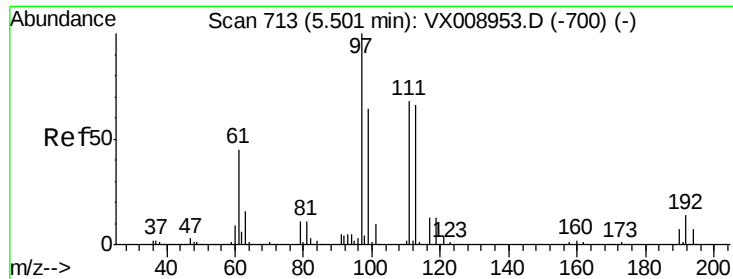
Tot Ion: 65 Resp: 159132
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009054.D
 Acq: 18 Apr 2019 19:16

Tgt Ion: 114 Resp: 385028
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 46.0
 88 16.4 0.0 32.6

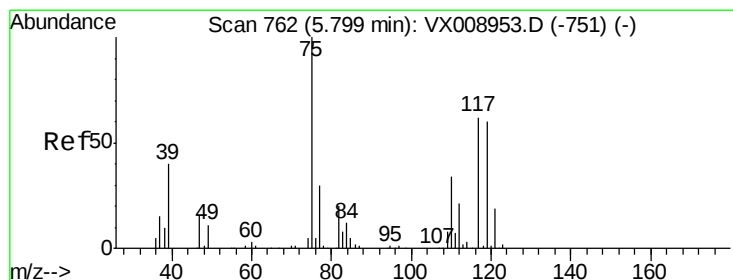
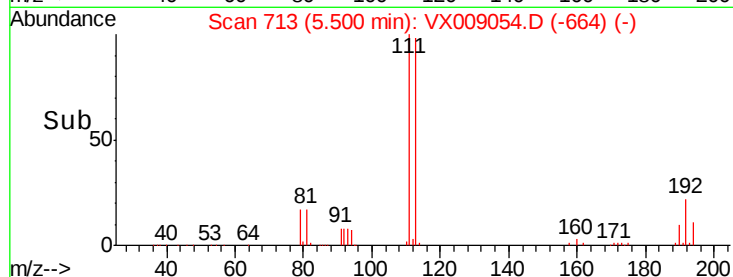
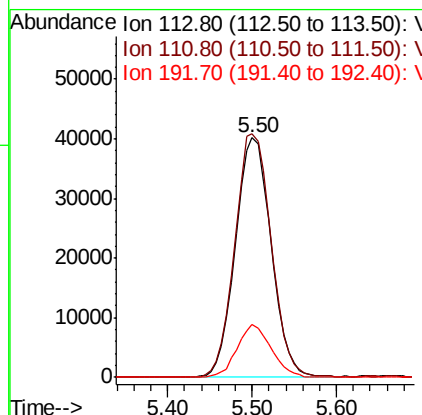
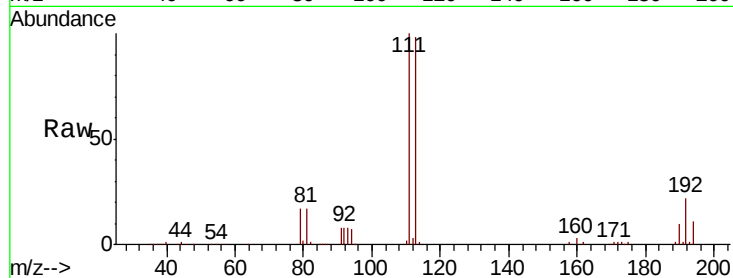




#35
 Dibromofluoromethane
 Concen: 46.759 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX009054.D
 Acq: 18 Apr 2019 19:16

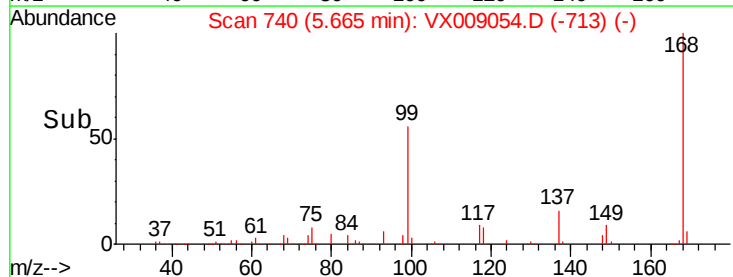
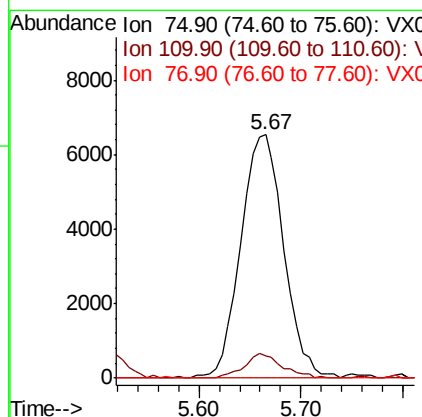
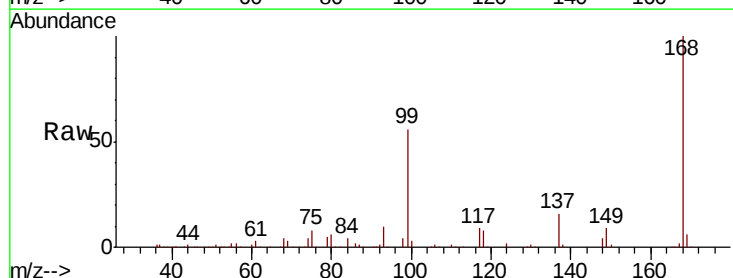
Instrument :
 MSVOA_X
 ClientSampled :
 GMW-5

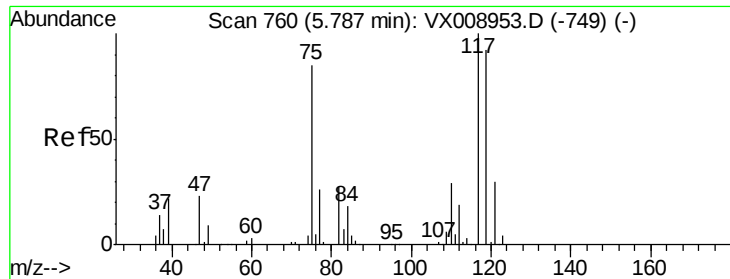
Tot Ion:113 Resp: 115543
 Ion Ratio Lower Upper
 113 100
 111 103.5 82.9 124.3
 192 21.1 17.4 26.0



#36
 1,1-Dichloropropene
 Concen: 4.799 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX009054.D
 Acq: 18 Apr 2019 19:16

Tgt Ion: 75 Resp: 19110
 Ion Ratio Lower Upper
 75 100
 110 8.9 16.9 50.7#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.631 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009054.D

Acq: 18 Apr 2019 19:16

Instrument :

MSVOA_X

ClientSampled :

GMW-5

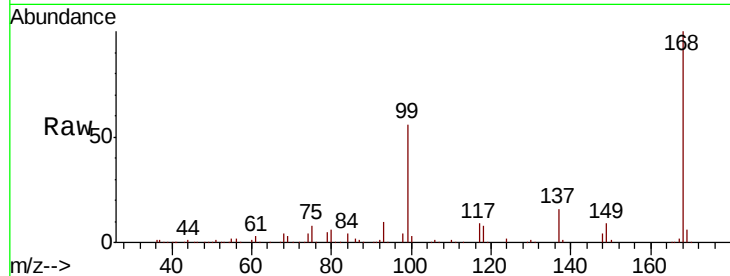
Tot Ion:117 Resp: 22384

Ion Ratio Lower Upper

117 100

119 3.5 73.8 110.8#

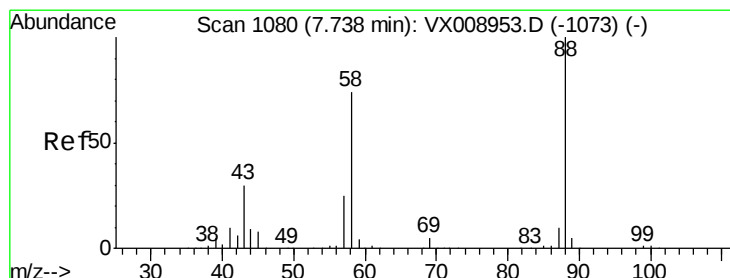
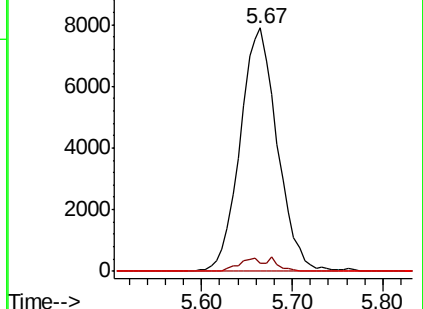
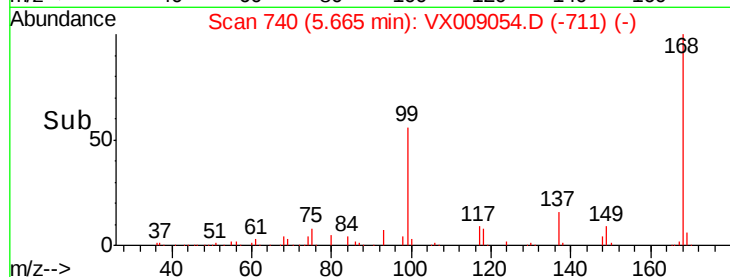
121 0.0 23.6 35.4#



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: 0.249 ug/l

RT: 7.83 min Scan# 1095

Delta R.T. 0.09 min

Lab File: VX009054.D

Acq: 18 Apr 2019 19:16

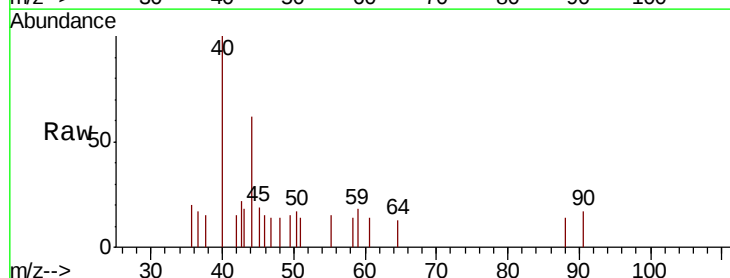
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 289.5 29.3 43.9#

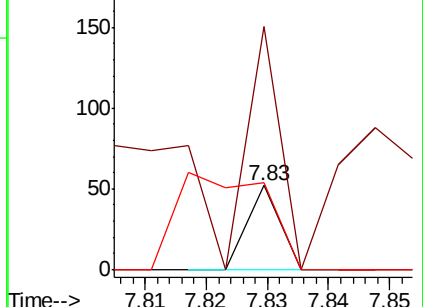
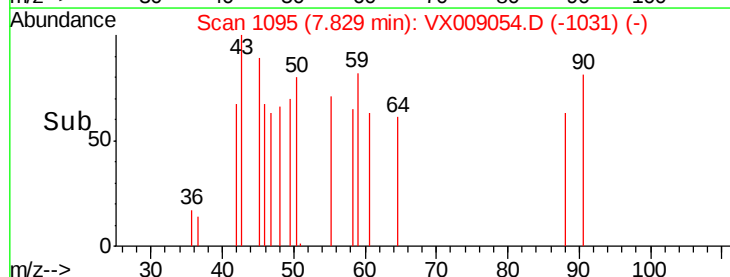
58 0.0 62.6 93.8#

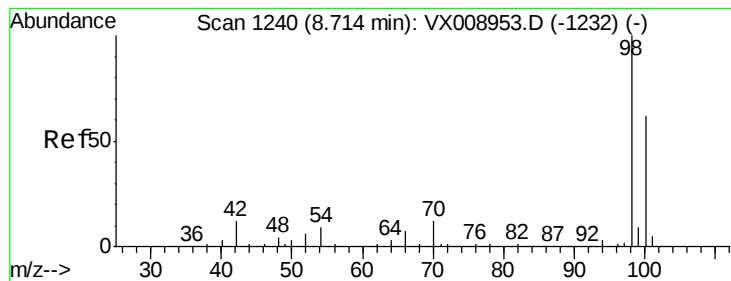


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.437 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009054.D

Acq: 18 Apr 2019 19:16

Instrument :

MSVOA_X

ClientSampleId :

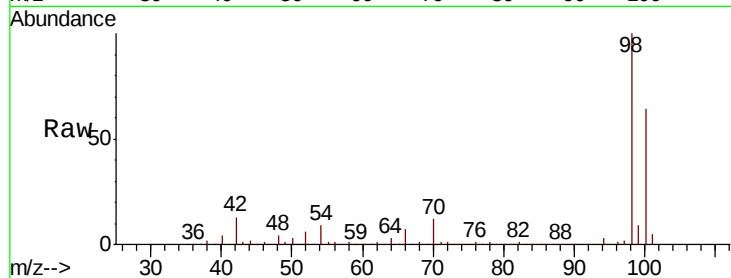
GMW-5

Tot Ion: 98 Resp: 477321

Ion Ratio Lower Upper

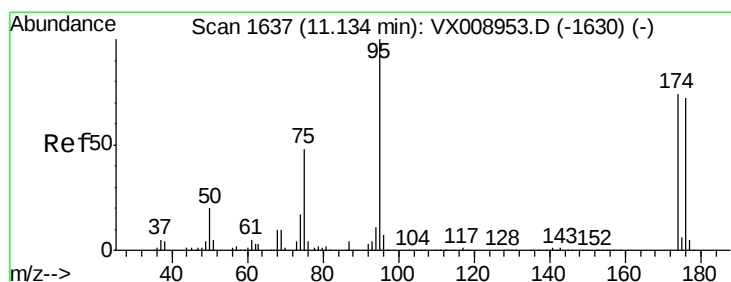
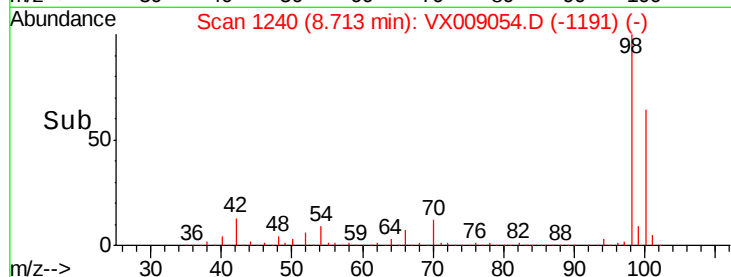
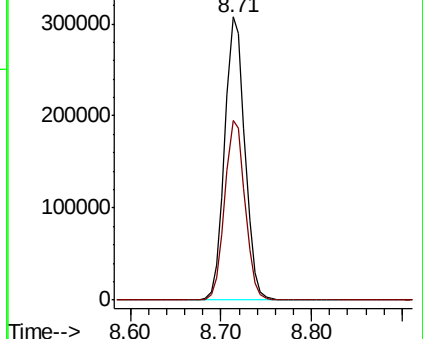
98 100

100 64.0 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 45.461 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009054.D

Acq: 18 Apr 2019 19:16

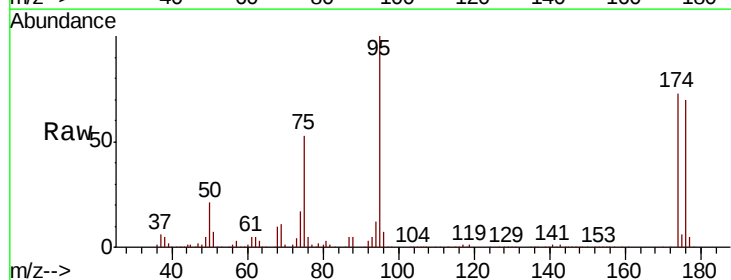
Tgt Ion: 95 Resp: 158143

Ion Ratio Lower Upper

95 100

174 79.4 0.0 159.6

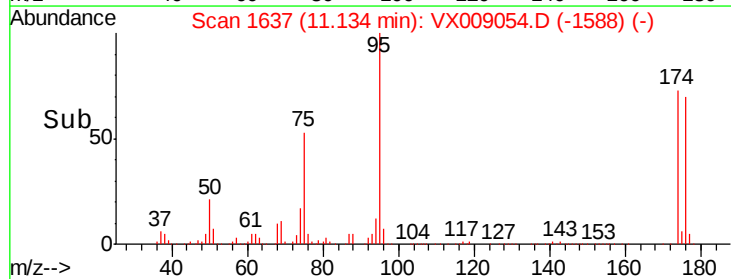
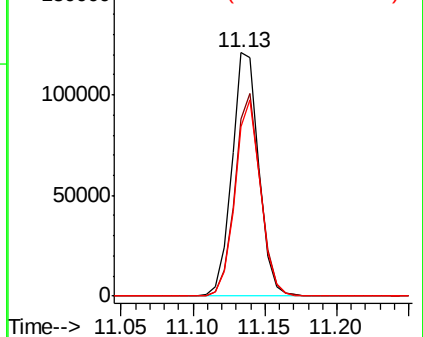
176 76.6 0.0 154.8

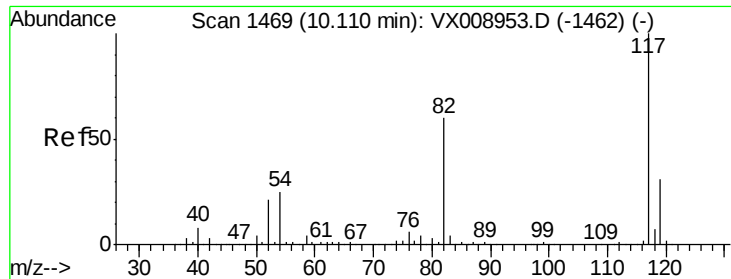


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

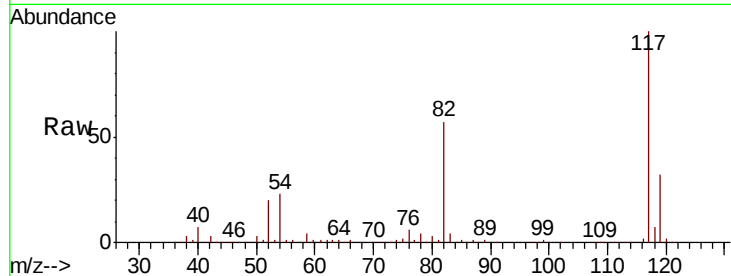




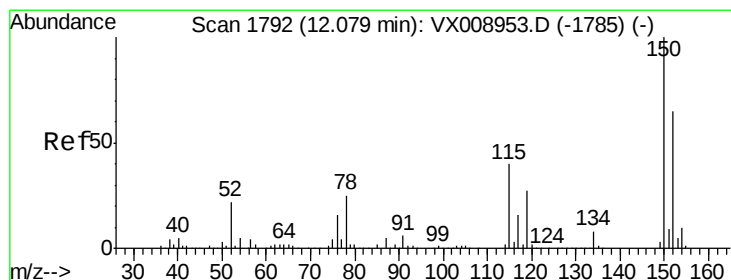
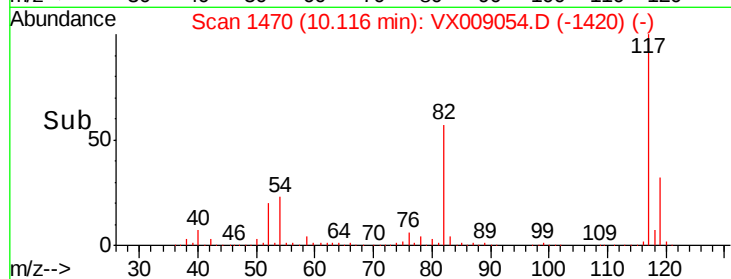
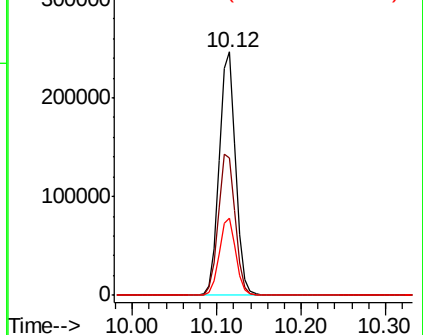
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX009054.D
Acq: 18 Apr 2019 19:16

Instrument :
MSVOA_X
ClientSampleId :
GMW-5

Tot Ion:117 Resp: 333918
Ion Ratio Lower Upper
117 100
82 56.7 48.2 72.4
119 31.6 25.0 37.6

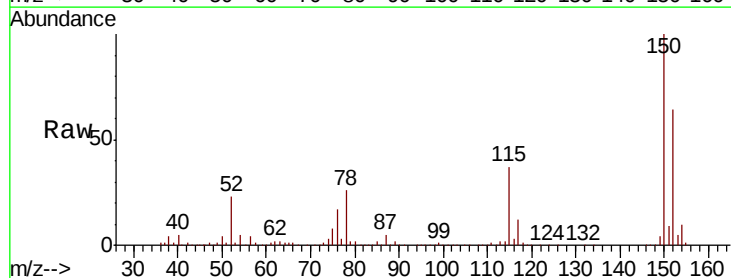


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

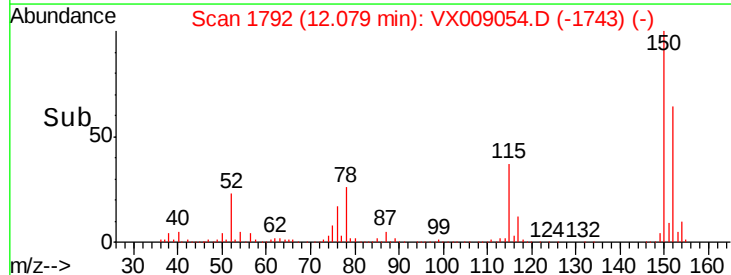
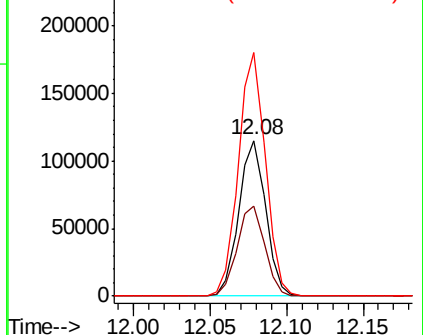


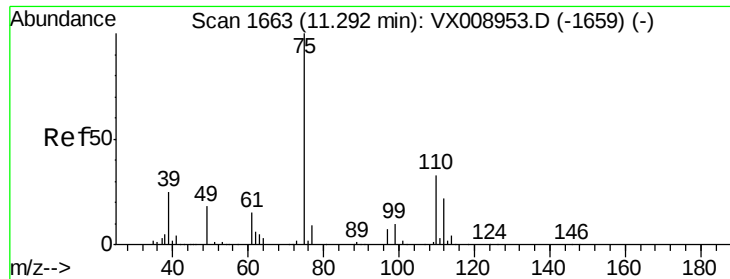
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009054.D
Acq: 18 Apr 2019 19:16

Tgt Ion:152 Resp: 140200
Ion Ratio Lower Upper
152 100
115 59.8 41.4 124.2
150 156.9 0.0 349.8



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: 23.527 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009054.D

Acq: 18 Apr 2019 19:16

Instrument :

MSVOA_X

ClientSampleId :

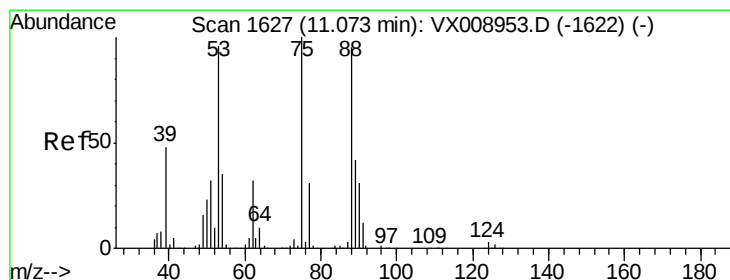
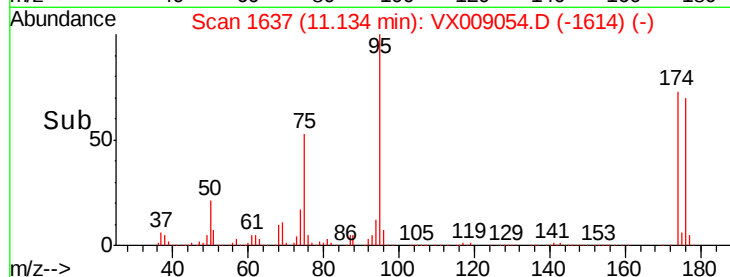
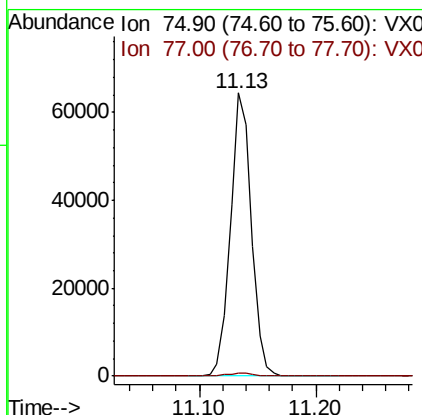
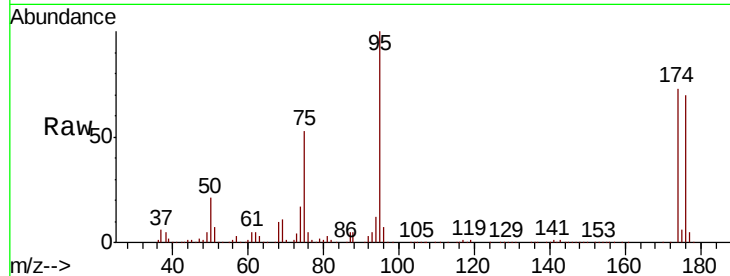
GMW-5

Tot Ion: 75 Resp: 80544

Ion Ratio Lower Upper

75 100

77 1.5 22.7 68.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.401 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009054.D

Acq: 18 Apr 2019 19:16

Tgt Ion: 75 Resp: 80544

Ion Ratio Lower Upper

75 100

53 0.1 78.2 117.4#

89 0.0 36.0 54.0#

