

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051519\
 Data File : VX009578.D
 Acq On : 15 May 2019 14:27
 Operator : JC/SP
 Sample : K2857-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 16 01:10:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	184132	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	295316	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	255319	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	106328	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	122241	48.63	ug/l	0.00
Spiked Amount			Recovery	=	97.26%	
35) Dibromofluoromethane	5.49	113	88205	47.51	ug/l	0.00
Spiked Amount			Recovery	=	95.02%	
50) Toluene-d8	8.71	98	368826	49.21	ug/l	0.00
Spiked Amount			Recovery	=	98.42%	
62) 4-Bromofluorobenzene	11.13	95	119124	43.74	ug/l	0.00
Spiked Amount			Recovery	=	87.48%	

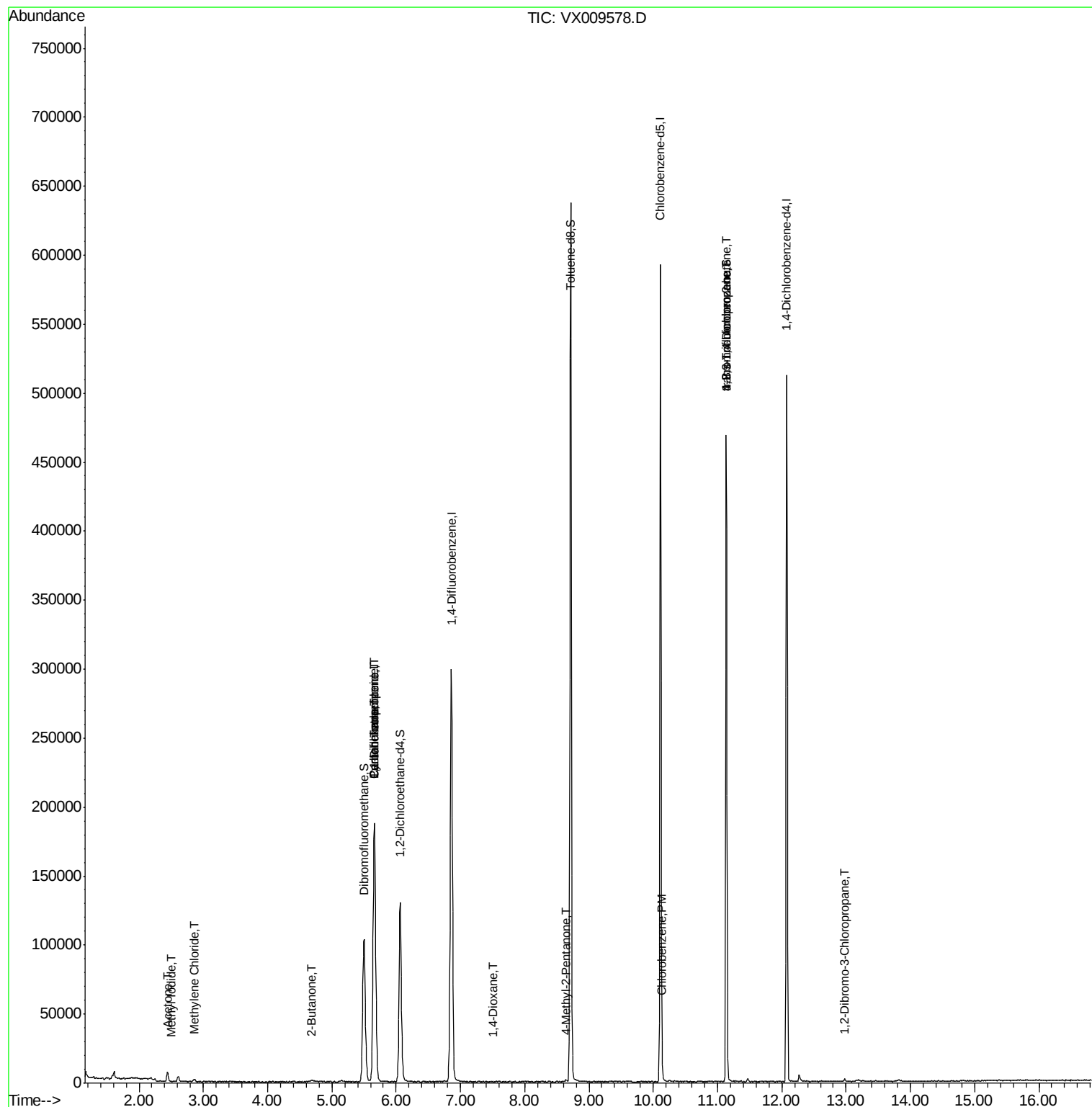
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.50	142	80	4.630	ug/l #	42
16) Acetone	2.44	43	7362	5.454	ug/l	98
20) Methylene Chloride	2.86	84	881	0.403	ug/l #	81
25) 2-Butanone	4.68	43	1825	0.870	ug/l	98
28) Bromochloromethane	4.99	49	110	Below Cal	#	20
31) Cyclohexane	5.66	56	3967	1.067	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14677	5.348	ug/l #	50
38) Carbon Tetrachloride	5.66	117	16948	6.797	ug/l #	16
49) 1,4-Dioxane	7.49	88	41	0.666	ug/l #	1
51) 4-Methyl-2-Pentanone	8.65	43	1034	0.259	ug/l	88
65) Chlorobenzene	10.14	112	1753	0.343	ug/l	97
76) 1,2,3-Trichloropropane	11.13	75	60627	24.581	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	60627	62.894	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	12.98	75	332	0.513	ug/l #	2

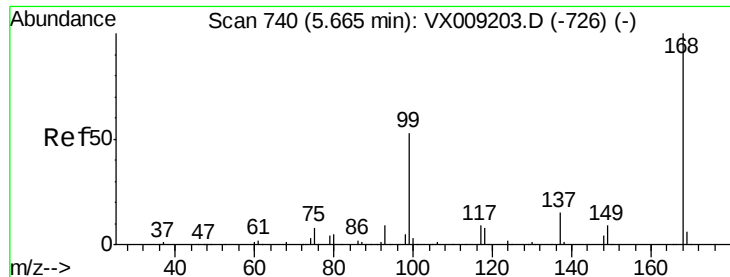
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX051519\
Data File : VX009578.D
Acq On : 15 May 2019 14:27
Operator : JC/SP
Sample : K2857-05
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: May 16 01:10:22 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009578.D

Acq: 15 May 2019 14:27

Instrument :

MSVOA_X

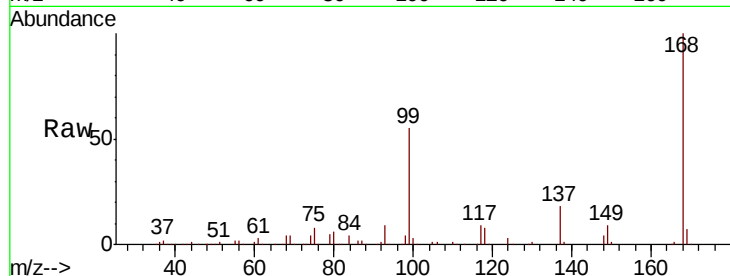
ClientSampleId :

Tot Ion:168 Resp: 184132

Ion Ratio Lower Upper

168 100

99 54.9 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

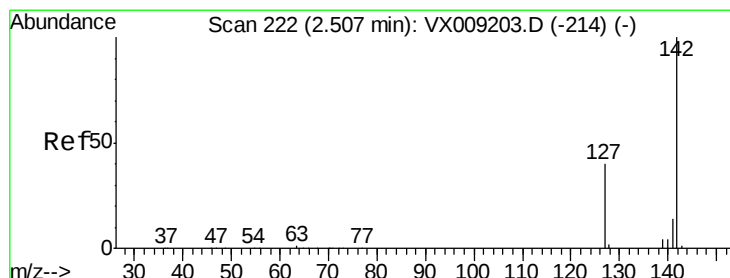
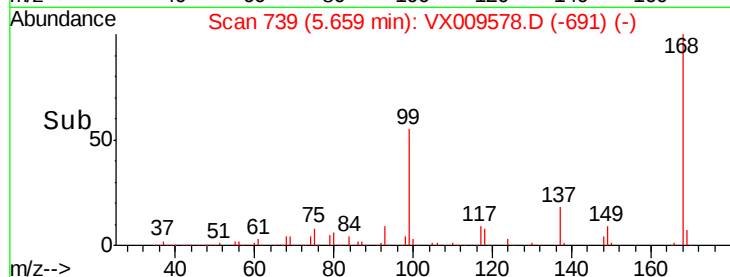
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#10

Methyl Iodide

Concen: 4.630 ug/l

RT: 2.50 min Scan# 221

Delta R.T. -0.01 min

Lab File: VX009578.D

Acq: 15 May 2019 14:27

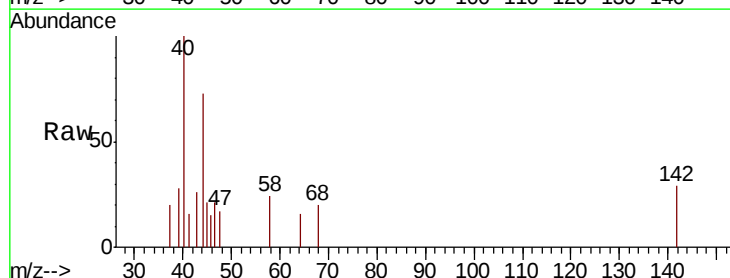
Tgt Ion:142 Resp: 80

Ion Ratio Lower Upper

142 100

127 0.0 32.7 49.1#

141 0.0 11.5 17.3#



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

120

100

80

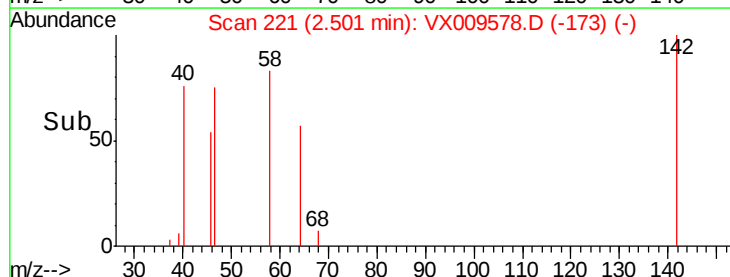
60

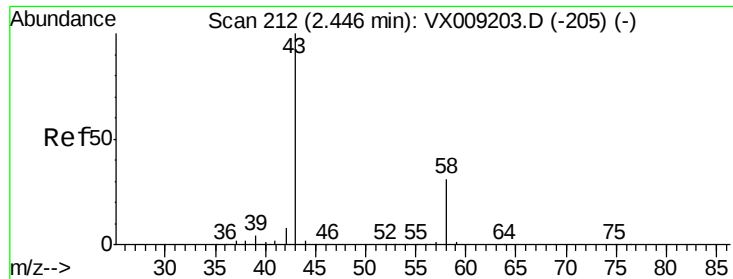
40

20

0

Time--> 2.48 2.49 2.50 2.51 2.52





#16

Acetone

Concen: 5.454 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009578.D

Acq: 15 May 2019 14:27

Instrument :

MSVOA_X

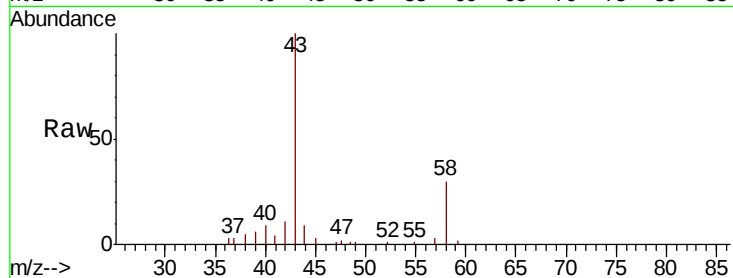
ClientSampleId :

Tot Ion: 43 Resp: 7362

Ion Ratio Lower Upper

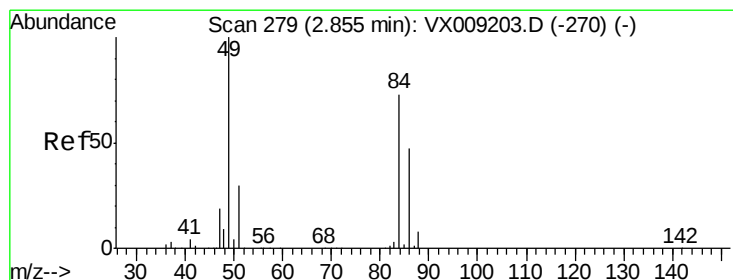
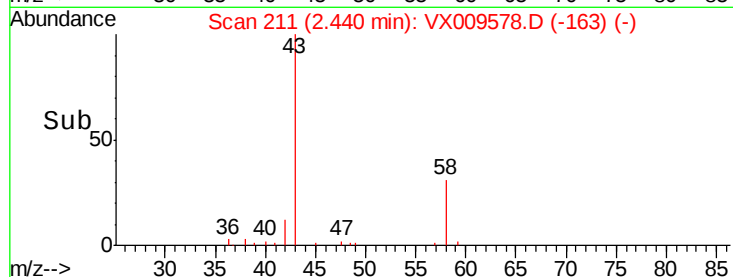
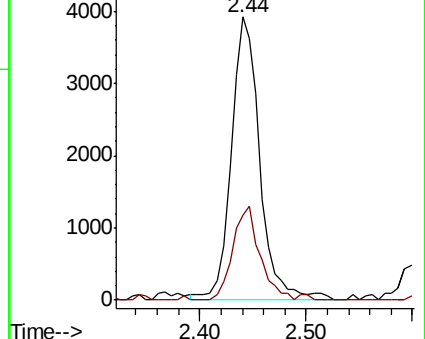
43 100

58 30.2 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: 0.403 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX009578.D

Acq: 15 May 2019 14:27

Tgt Ion: 84 Resp: 881

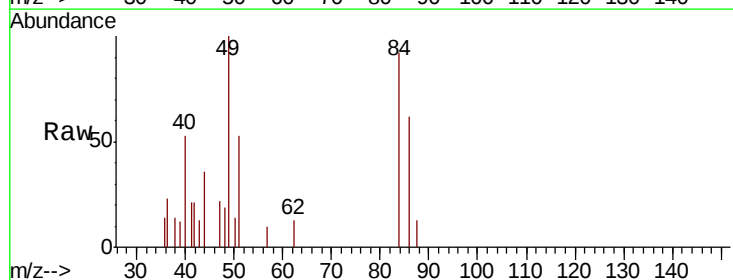
Ion Ratio Lower Upper

84 100

49 109.1 109.9 164.9#

51 57.9 32.7 49.1#

86 67.7 52.0 78.0

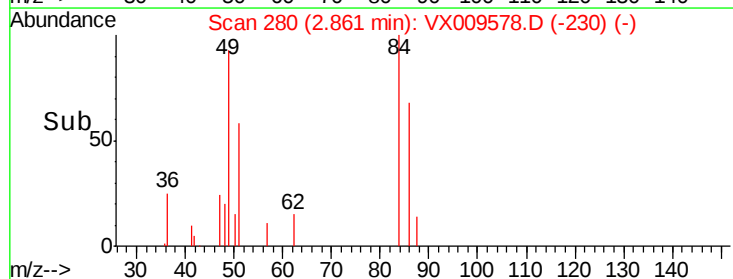
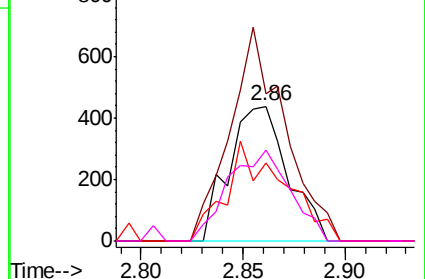


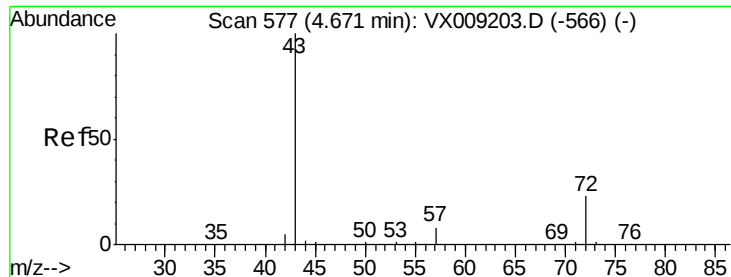
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#25

2-Butanone

Concen: 0.870 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX009578.D

Acq: 15 May 2019 14:27

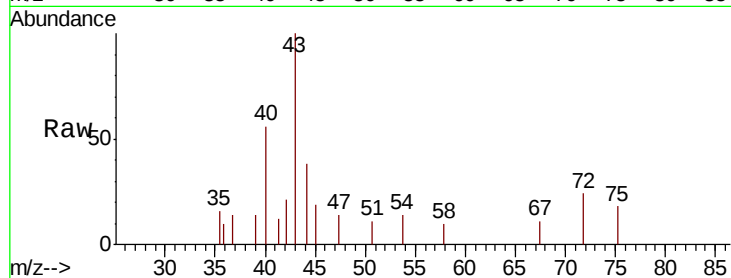
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 1825

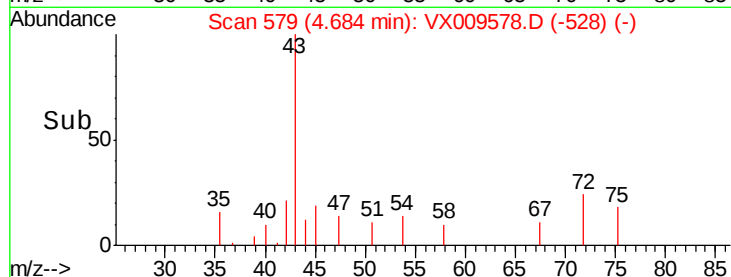
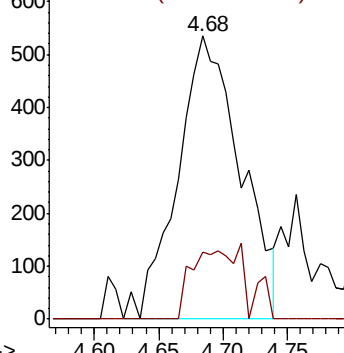
Ion Ratio Lower Upper

43 100

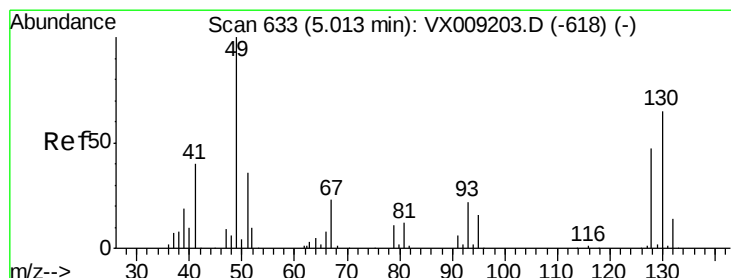
72 23.7 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0



Time-->



#28

Bromochloromethane

Concen: Below Cal

RT: 4.99 min Scan# 629

Delta R.T. -0.02 min

Lab File: VX009578.D

Acq: 15 May 2019 14:27

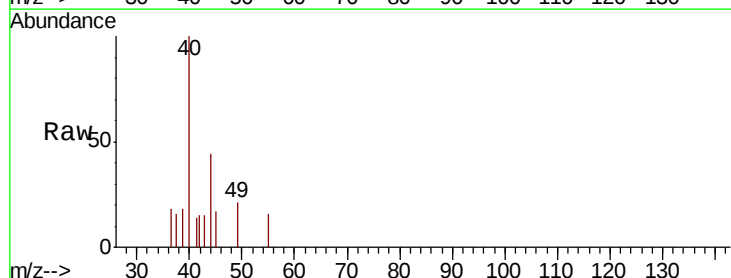
Tgt Ion: 49 Resp: 110

Ion Ratio Lower Upper

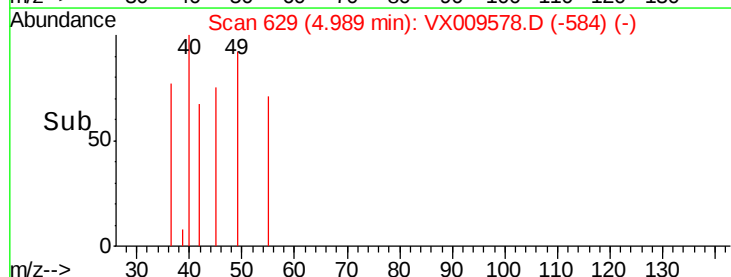
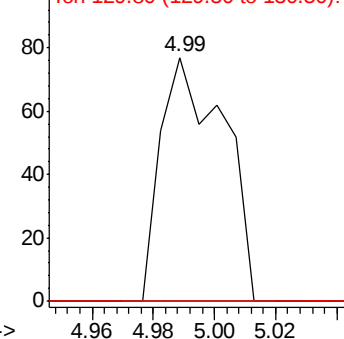
49 100

129 0.0 0.0 3.8

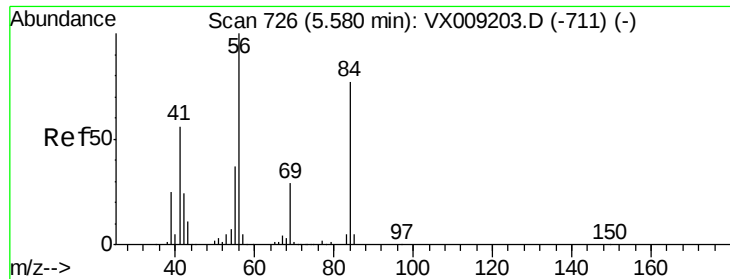
130 0.0 51.2 76.8#



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



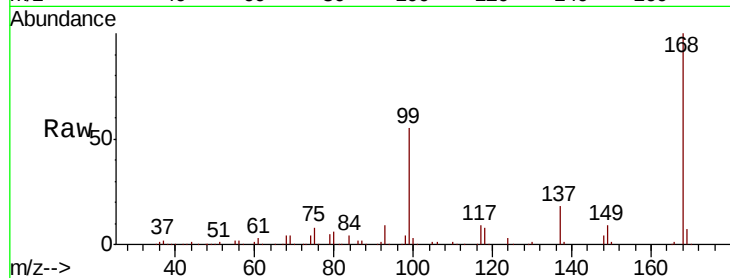
Time-->



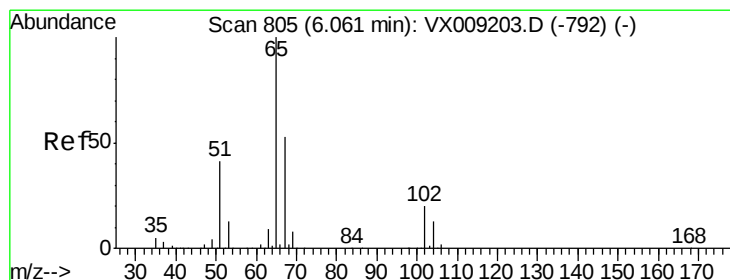
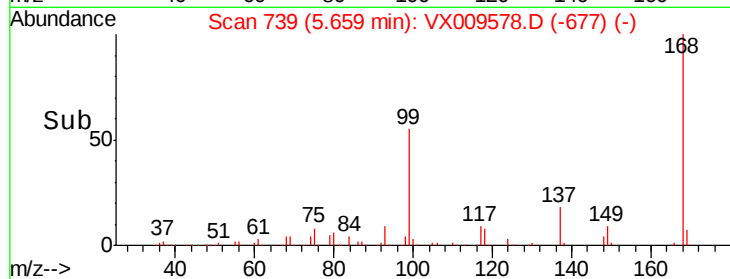
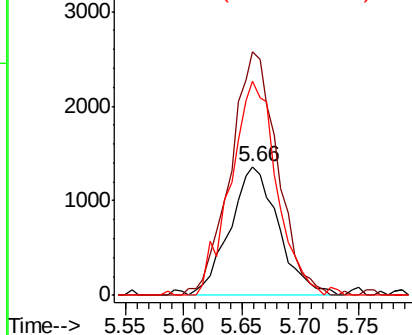
#31
Cyclohexane
Concen: 1.067 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX009578.D
Acq: 15 May 2019 14:27

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	56	Resp	3967
Ion Ratio	Lower	Upper	
56	100		
69	189.3	23.4	35.0#
84	166.3	61.9	92.9#

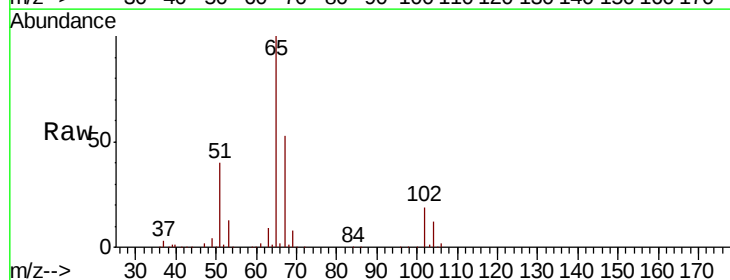


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

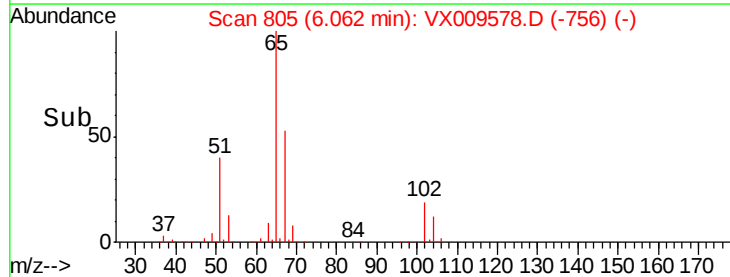
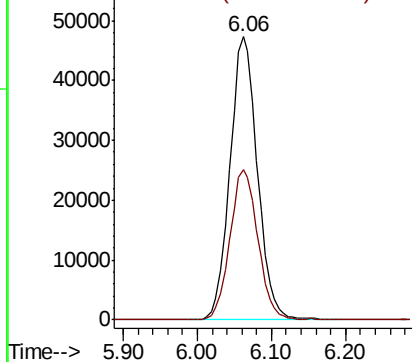


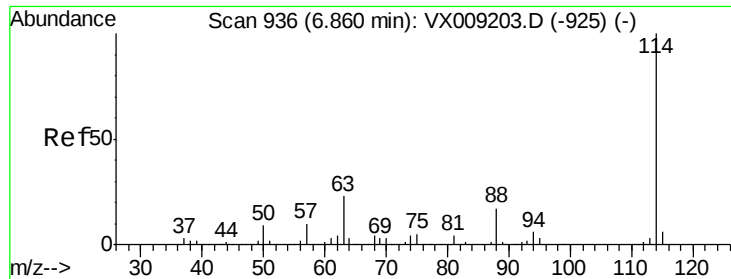
#33
1,2-Dichloroethane-d4
Concen: 48.631 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX009578.D
Acq: 15 May 2019 14:27

Tgt Ion	65	Resp	122241
Ion Ratio	Lower	Upper	
65	100		
67	53.9	0.0	106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

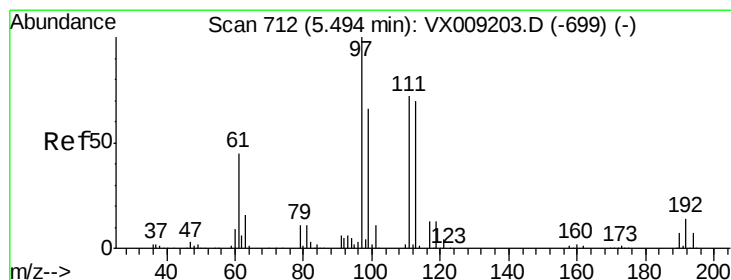
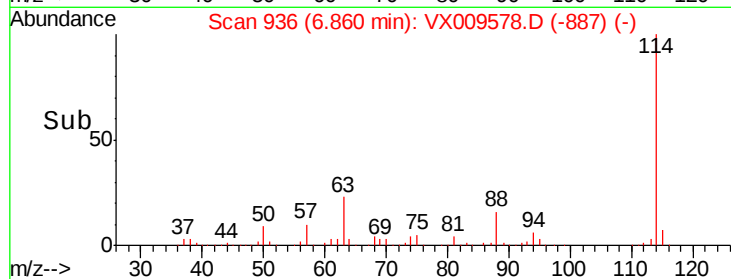
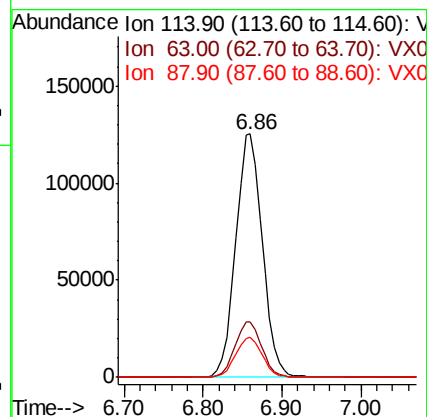
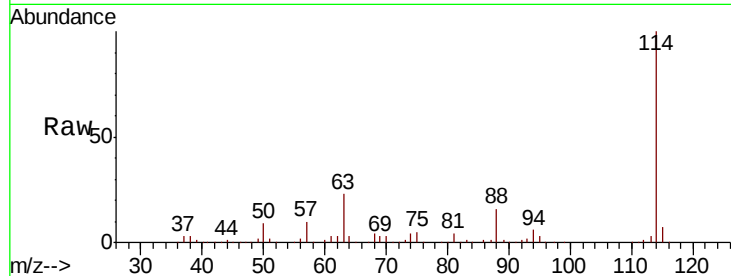




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX009578.D
Acq: 15 May 2019 14:27

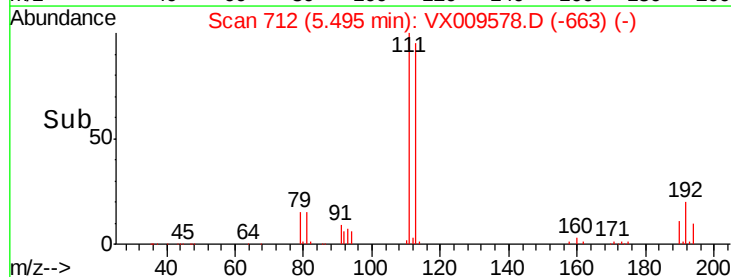
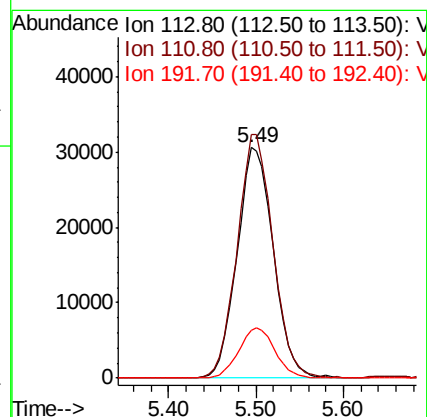
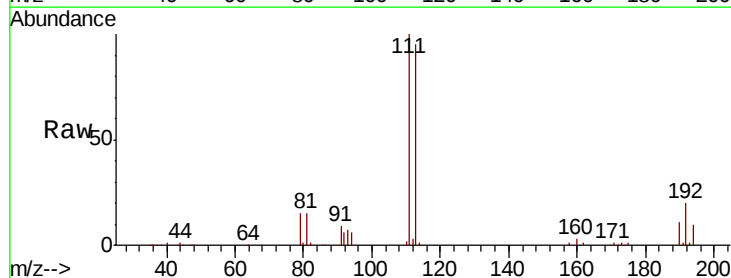
Instrument :
MSVOA_X
ClientSampleId :

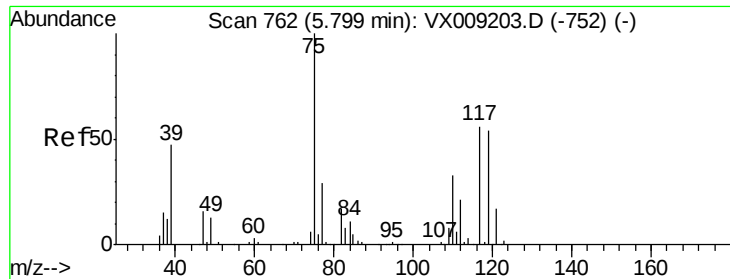
Tot Ion	Ratio	Lower	Upper
114	100		
63	22.6	0.0	45.6
88	16.3	0.0	33.2



#35
Dibromofluoromethane
Concen: 47.512 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX009578.D
Acq: 15 May 2019 14:27

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.6	82.8	124.2
192	21.8	17.0	25.6

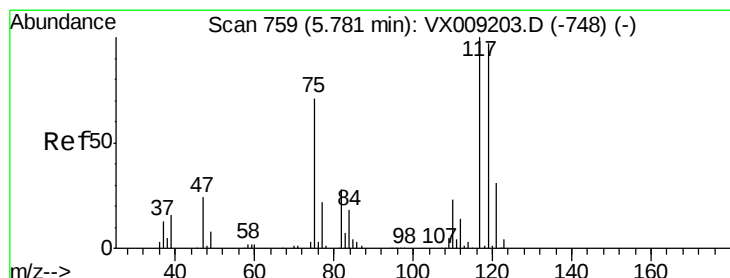
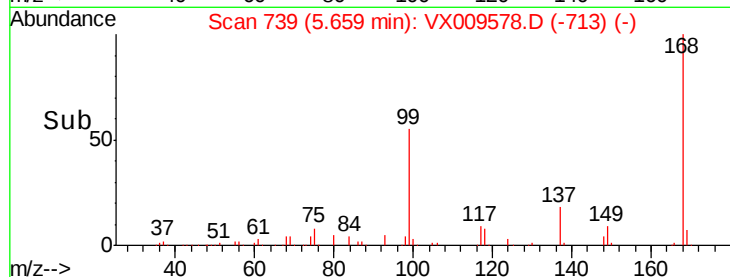
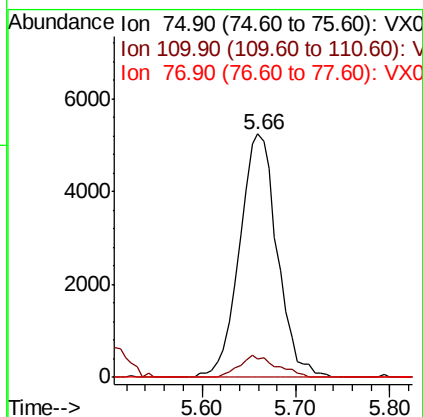
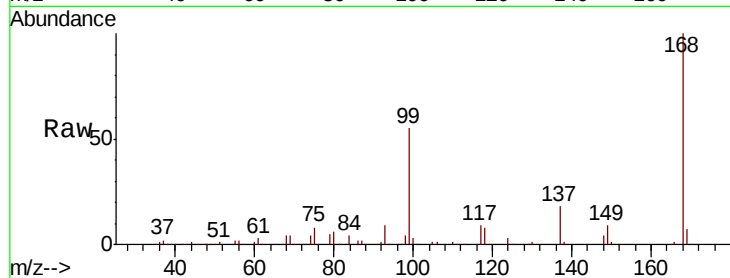




#36
 1,1-Dichloropropene
 Concen: 5.348 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009578.D
 Acq: 15 May 2019 14:27

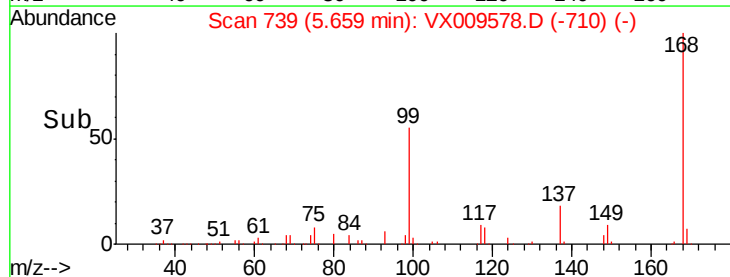
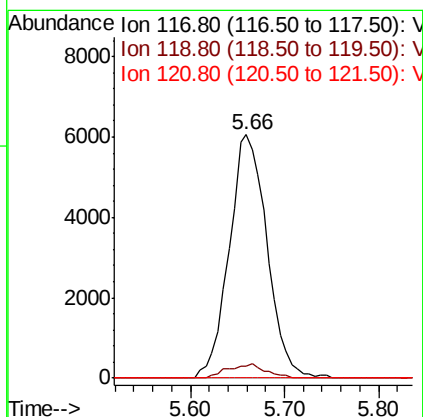
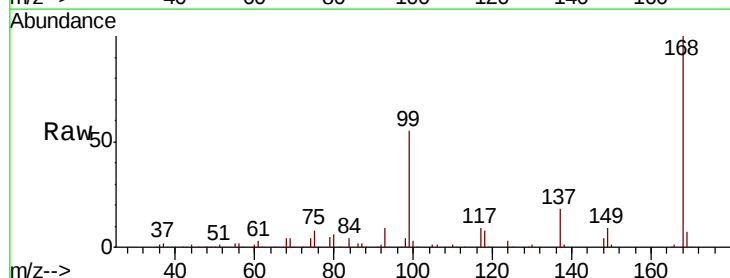
Instrument :
 MSVOA_X
 ClientSampleId :

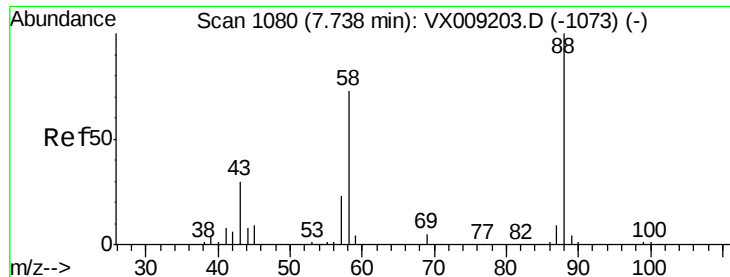
Tot Ion	75	Resp	14677
Ion Ratio	100	Lower	Upper
75	100		
110	8.9	16.9	50.6#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.797 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX009578.D
 Acq: 15 May 2019 14:27

Tgt Ion	117	Resp	16948
Ion Ratio	100	Lower	Upper
117	100		
119	5.1	77.5	116.3#
121	0.0	24.7	37.1#

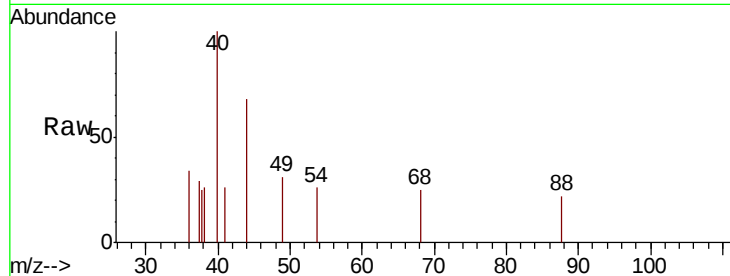




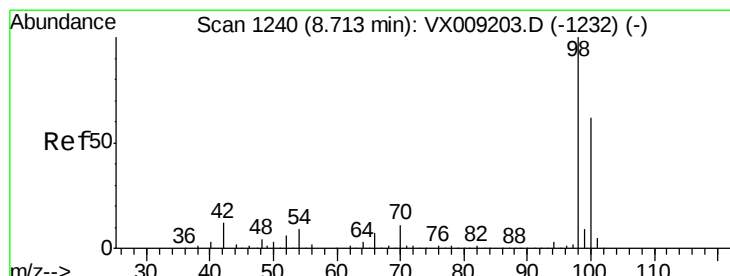
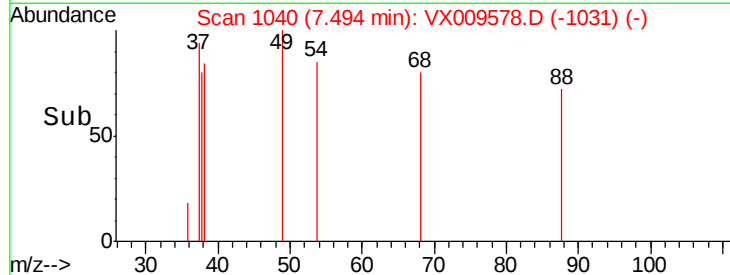
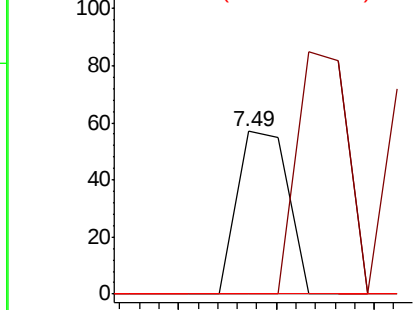
#49
 1,4-Dioxane
 Concen: 0.666 ug/l
 RT: 7.49 min Scan# 1040
 Delta R.T. -0.24 min
 Lab File: VX009578.D
 Acq: 15 May 2019 14:27

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion: 88 Resp: 41
 Ion Ratio Lower Upper
 88 100
 43 148.8 28.6 42.8#
 58 0.0 61.7 92.5#

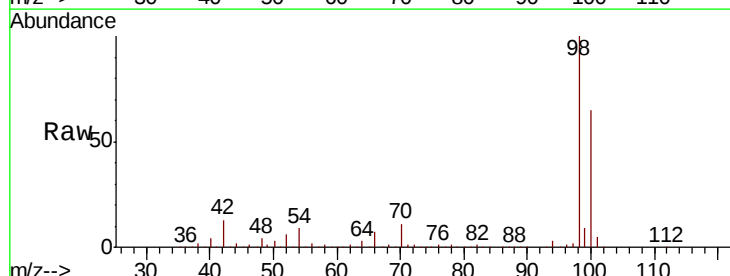


Abundance Ion 88.00 (87.70 to 88.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0

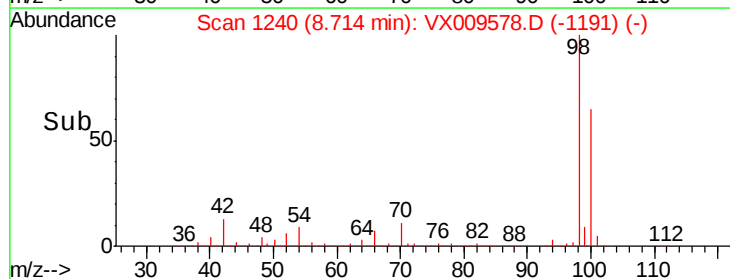
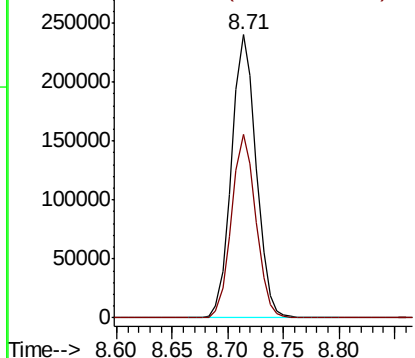


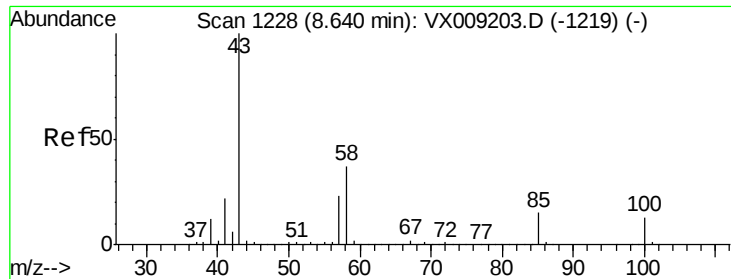
#50
 Toluene-d8
 Concen: 49.209 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX009578.D
 Acq: 15 May 2019 14:27

Tgt Ion: 98 Resp: 368826
 Ion Ratio Lower Upper
 98 100
 100 64.3 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0
 Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.259 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.01 min

Lab File: VX009578.D

Acq: 15 May 2019 14:27

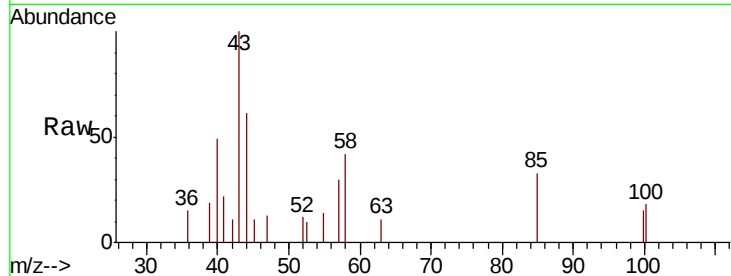
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 1034

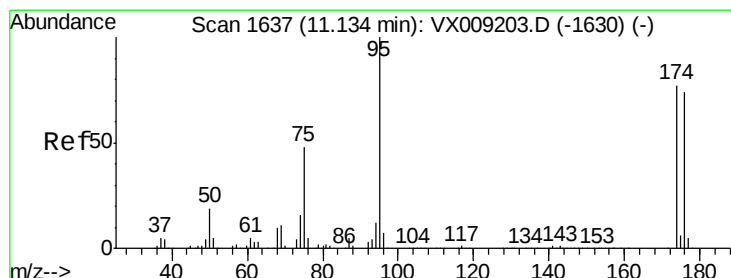
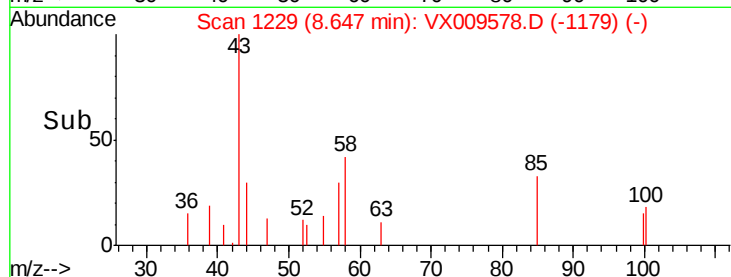
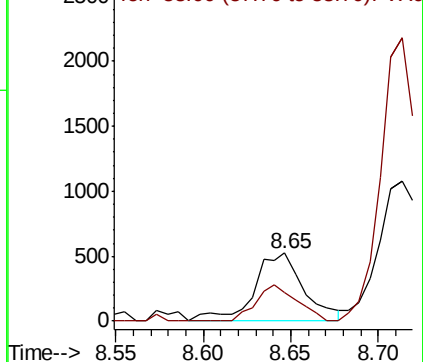
Ion Ratio Lower Upper

43 100

58 43.8 29.5 44.3



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 43.741 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009578.D

Acq: 15 May 2019 14:27

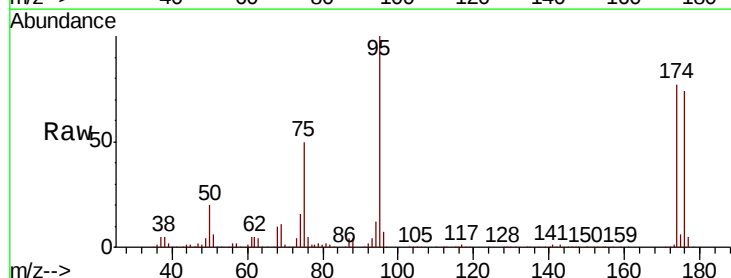
Tgt Ion: 95 Resp: 119124

Ion Ratio Lower Upper

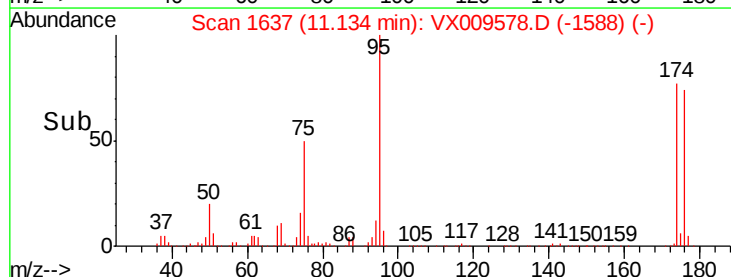
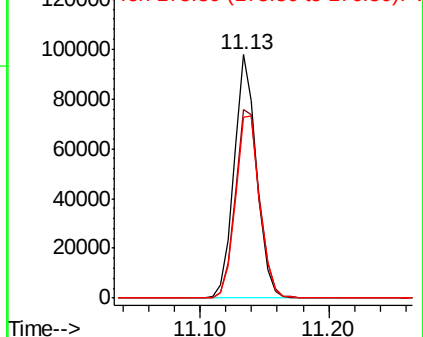
95 100

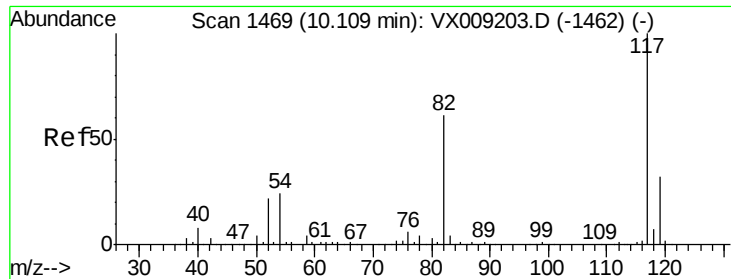
174 83.3 0.0 161.6

176 80.8 0.0 159.2



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

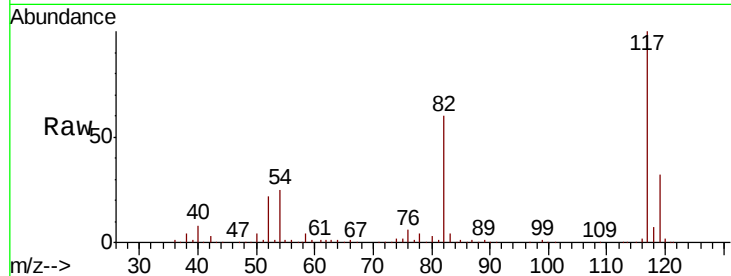




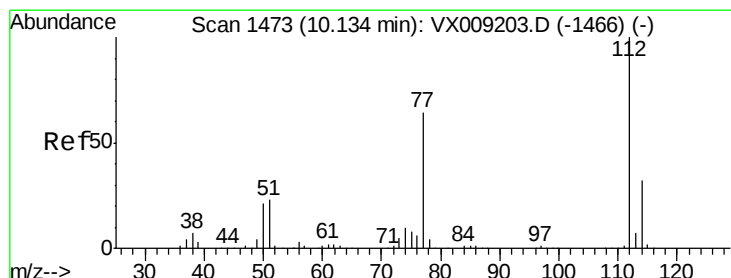
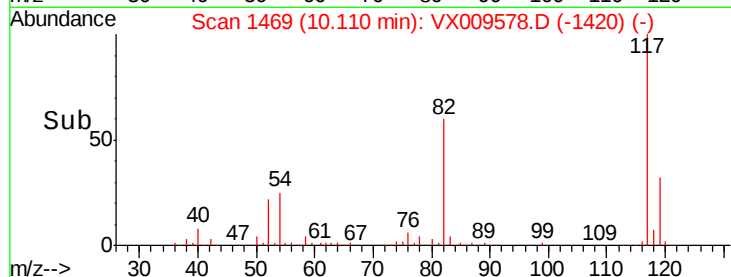
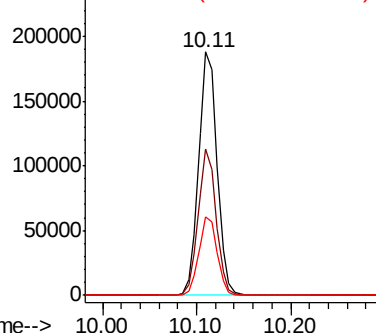
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009578.D
Acq: 15 May 2019 14:27

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 255319
Ion Ratio Lower Upper
117 100
82 60.0 48.8 73.2
119 32.3 25.8 38.6

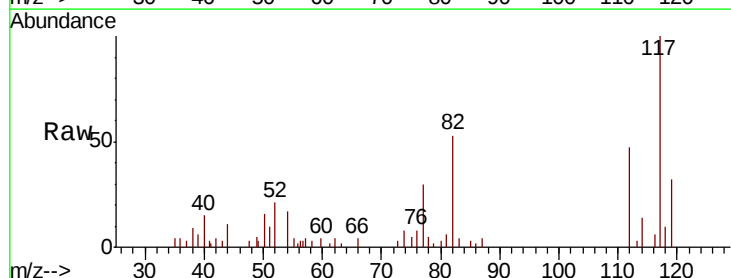


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

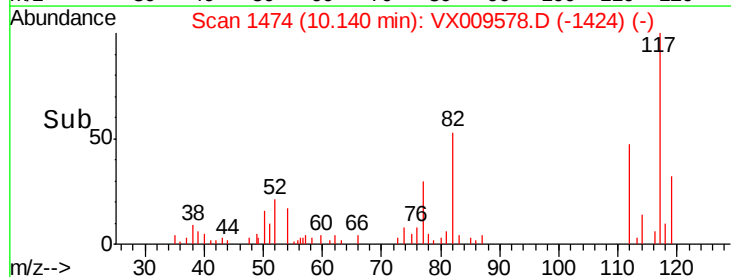
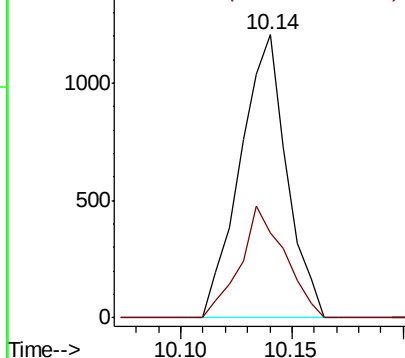


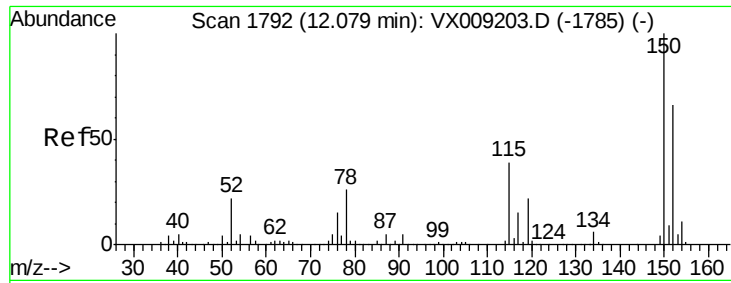
#65
Chlorobenzene
Concen: 0.343 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX009578.D
Acq: 15 May 2019 14:27

Tgt Ion:112 Resp: 1753
Ion Ratio Lower Upper
112 100
114 30.2 25.5 38.3



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): 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: VX009578.D

Acq: 15 May 2019 14:27

Instrument :

MSVOA_X

ClientSampleId :

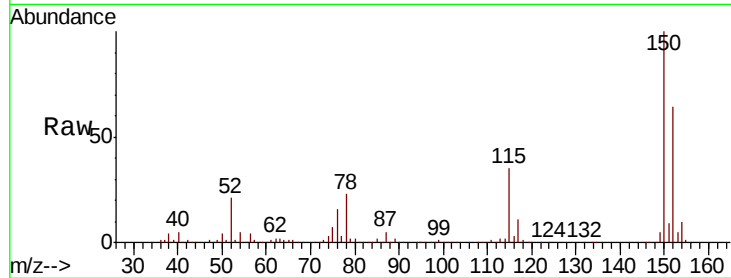
Tot Ion:152 Resp: 106328

Ion Ratio Lower Upper

152 100

115 57.8 41.2 123.6

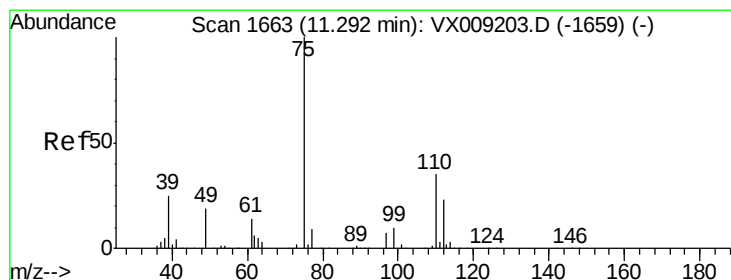
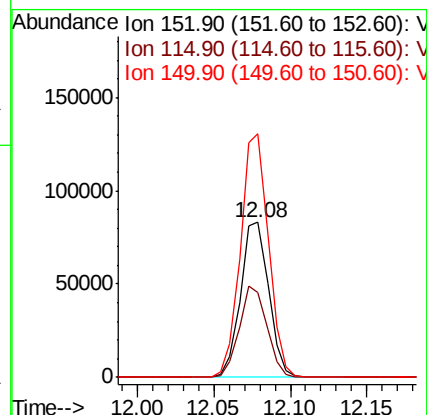
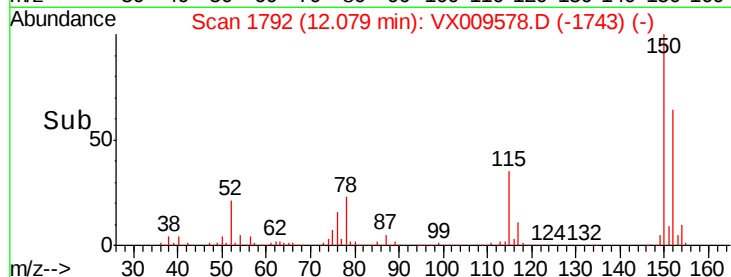
150 155.5 0.0 346.4



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: 24.581 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009578.D

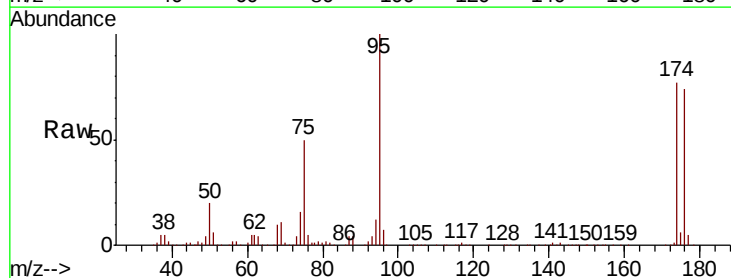
Acq: 15 May 2019 14:27

Tgt Ion: 75 Resp: 60627

Ion Ratio Lower Upper

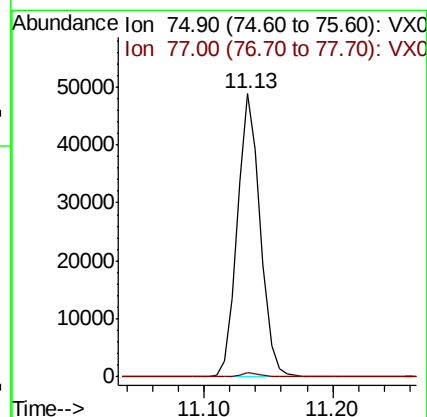
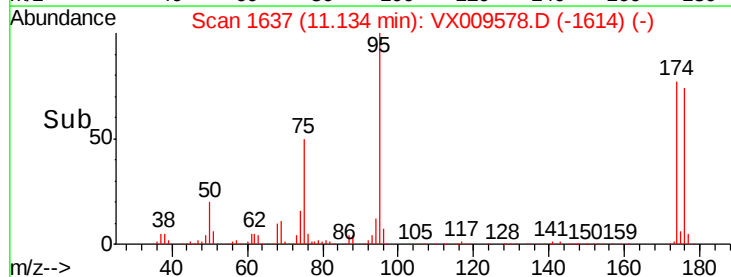
75 100

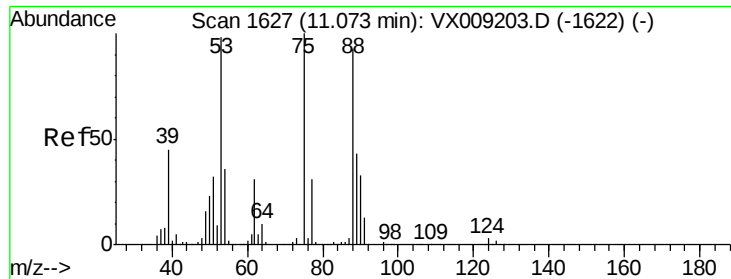
77 1.5 22.1 66.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

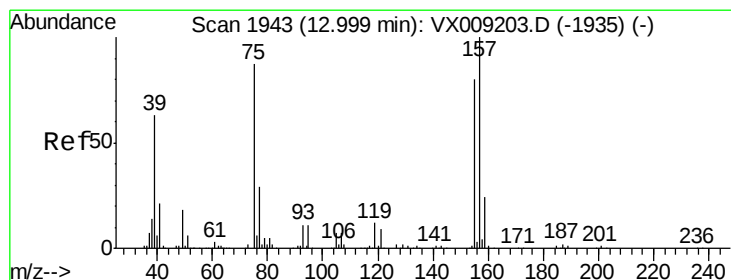
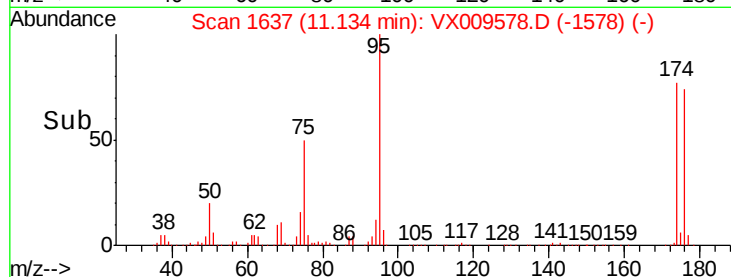
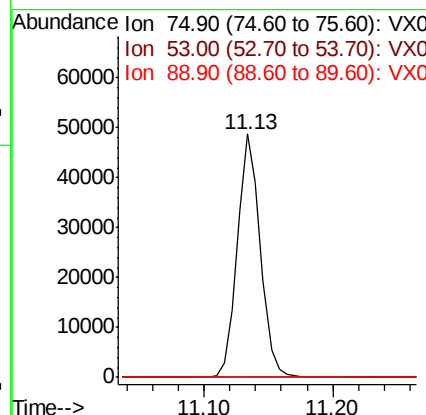
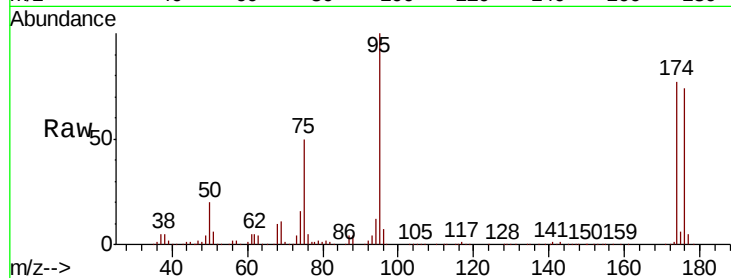




#81
trans-1,4-Dichloro-2-butene
Concen: 62.894 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX009578.D
Acq: 15 May 2019 14:27

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 75 Resp: 60627
Ion Ratio Lower Upper
75 100
53 0.2 79.0 118.6#
89 0.0 34.7 52.1#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.513 ug/l
RT: 12.98 min Scan# 1939
Delta R.T. -0.02 min
Lab File: VX009578.D
Acq: 15 May 2019 14:27

Tgt Ion: 75 Resp: 332
Ion Ratio Lower Upper
75 100
155 0.0 42.0 126.0#
157 0.0 53.2 159.6#

