

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121619\
 Data File : VX014029.D
 Acq On : 16 Dec 2019 12:54
 Operator : JC/SP
 Sample : K6295-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-4

Quant Time: Dec 17 03:27:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	586470	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	895954	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	794598	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	338551	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	325086	48.91	ug/l	0.00
Spiked Amount			Recovery	=	97.82%	
35) Dibromofluoromethane	5.49	113	266093	48.86	ug/l	0.00
Spiked Amount			Recovery	=	97.72%	
50) Toluene-d8	8.71	98	1057271	49.86	ug/l	0.00
Spiked Amount			Recovery	=	99.72%	
62) 4-Bromofluorobenzene	11.13	95	352253	45.45	ug/l	0.00
Spiked Amount			Recovery	=	90.90%	

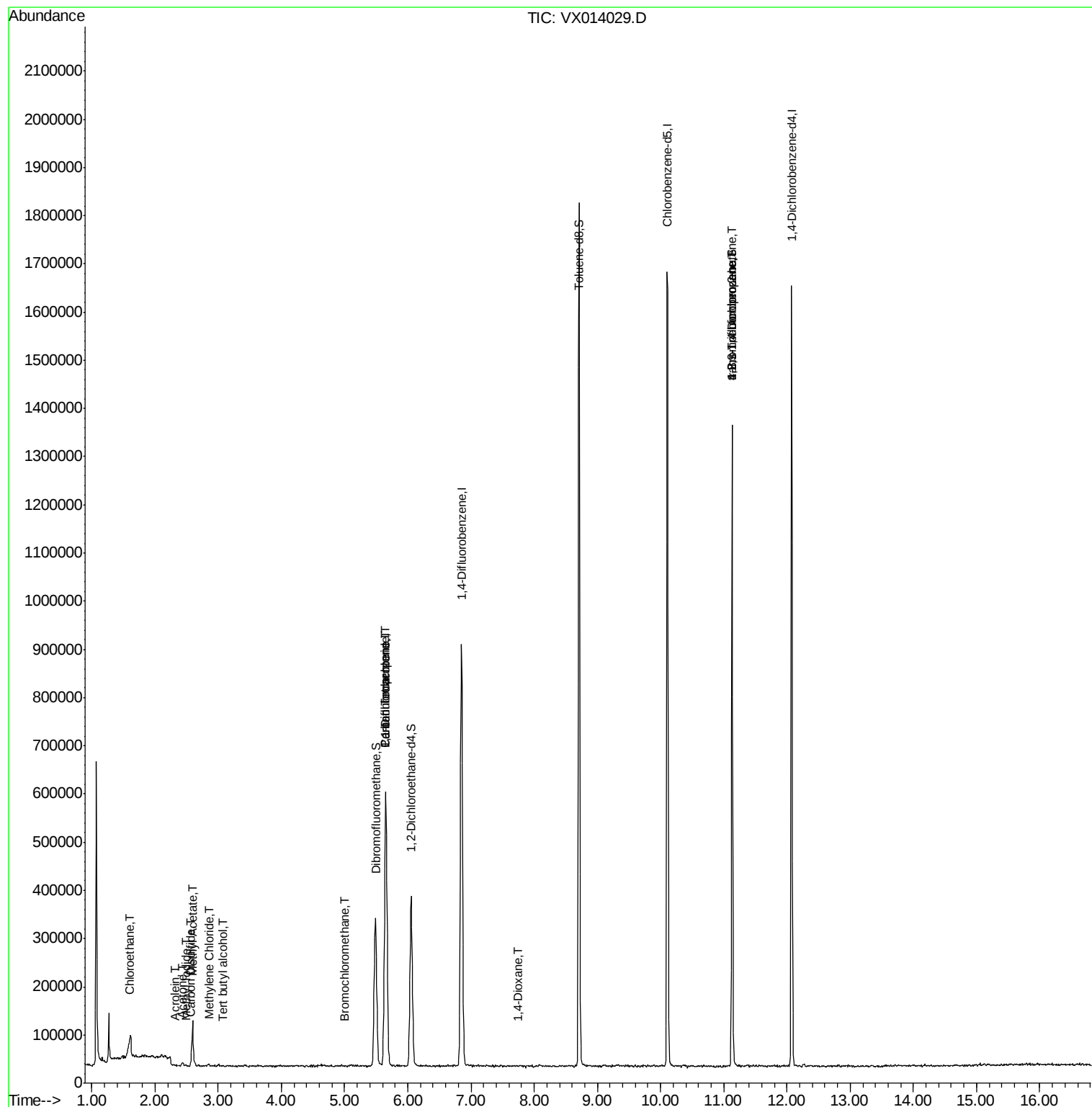
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.59	64	14568	3.177	ug/l #	58
10) Methyl Iodide	2.50	142	289	2.658	ug/l #	72
11) Tert butyl alcohol	3.06	59	618	0.430	ug/l #	71
13) Acrolein	2.31	56	210	0.255	ug/l #	1
16) Acetone	2.43	43	9003	2.086	ug/l	98
17) Carbon Disulfide	2.56	76	2447	0.904	ug/l	98
18) Methyl Acetate	2.59	43	24721	2.891	ug/l #	56
20) Methylene Chloride	2.84	84	2249	0.331	ug/l #	63
28) Bromochloromethane	5.00	49	338	0.532	ug/l #	62
36) 1,1-Dichloropropene	5.65	75	38995	4.743	ug/l #	50
38) Carbon Tetrachloride	5.65	117	52154	6.964	ug/l #	18
49) 1,4-Dioxane	7.73	88	323	2.157	ug/l #	26
76) 1,2,3-Trichloropropane	11.13	75	172125	23.419	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	172125	66.100	ug/l #	11

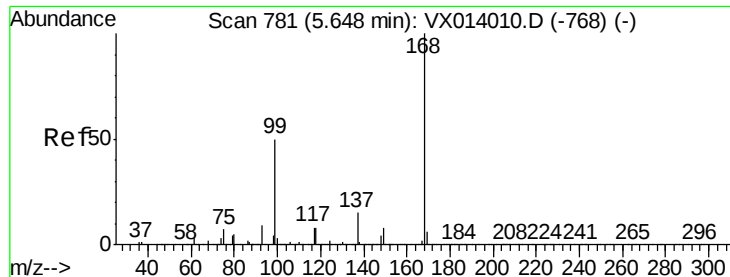
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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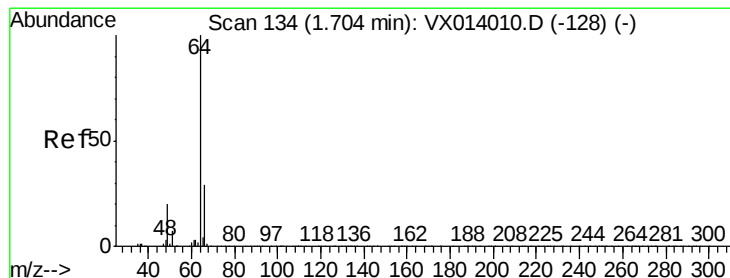
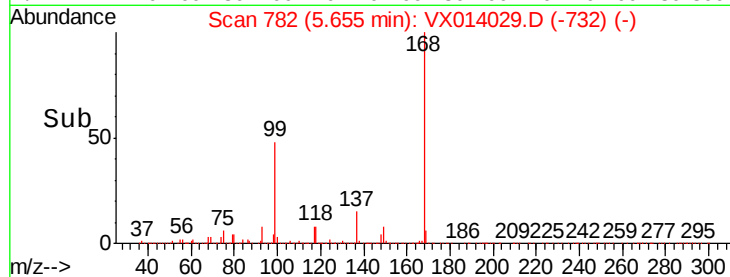
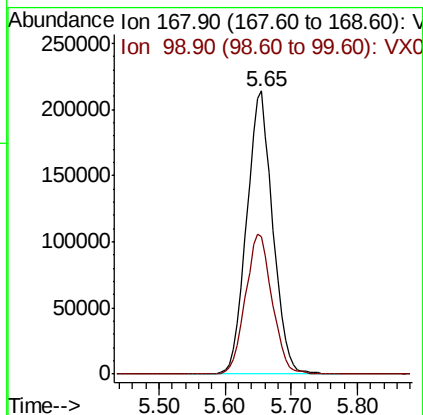
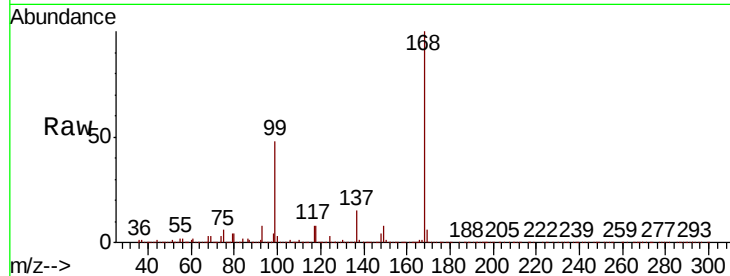


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.01 min
 Lab File: VX014029.D
 Acq: 16 Dec 2019 12:54

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-4

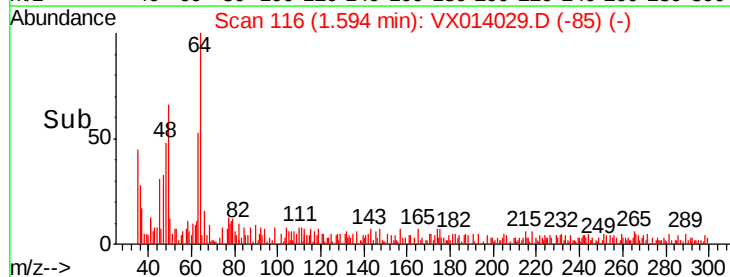
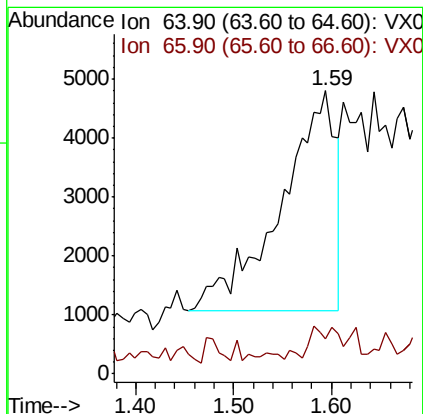
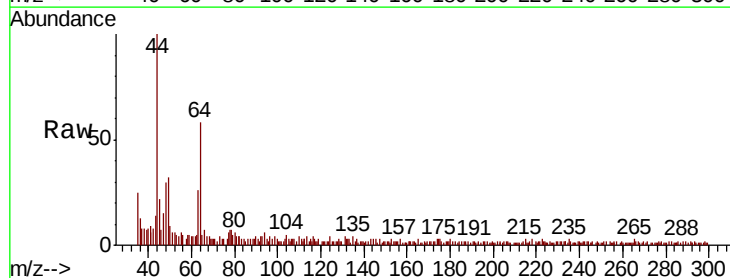
Tot Ion:168 Resp: 586470
 Ion Ratio Lower Upper
 168 100
 99 48.2 40.3 60.5

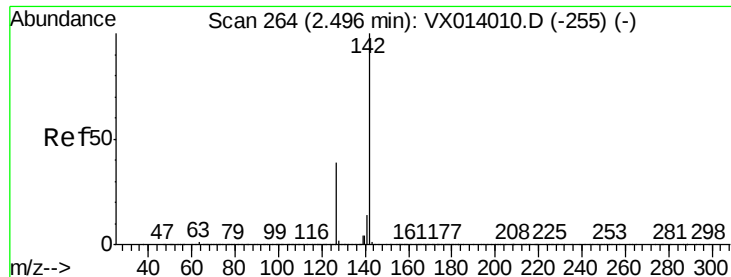


#6

Chloroethane
 Concen: 3.177 ug/l
 RT: 1.59 min Scan# 116
 Delta R.T. -0.11 min
 Lab File: VX014029.D
 Acq: 16 Dec 2019 12:54

Tgt Ion: 64 Resp: 14568
 Ion Ratio Lower Upper
 64 100
 66 6.8 23.4 35.2#

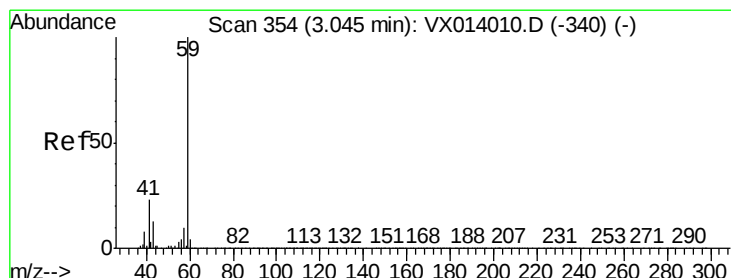
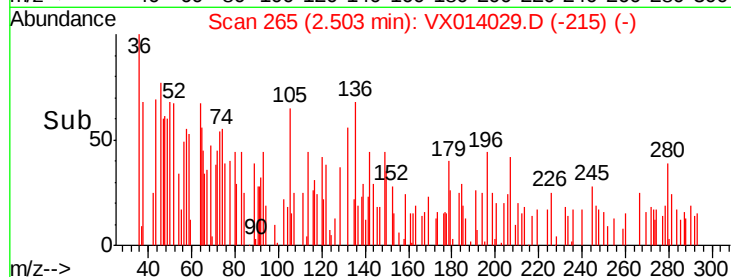
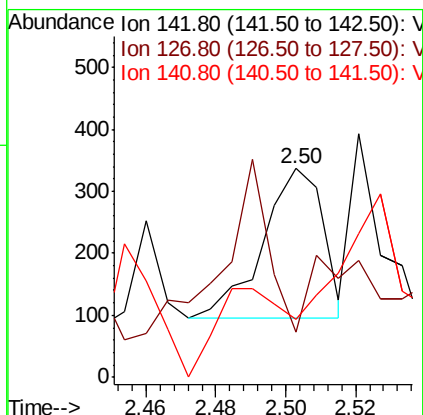
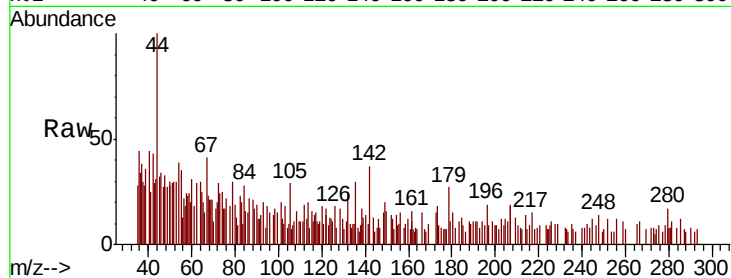




#10
Methvl Iodide
Concen: 2.658 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX014029.D
Acq: 16 Dec 2019 12:54

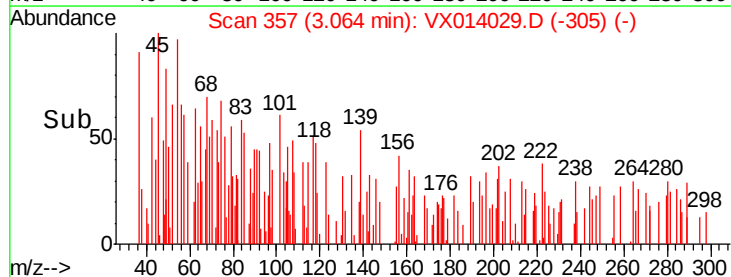
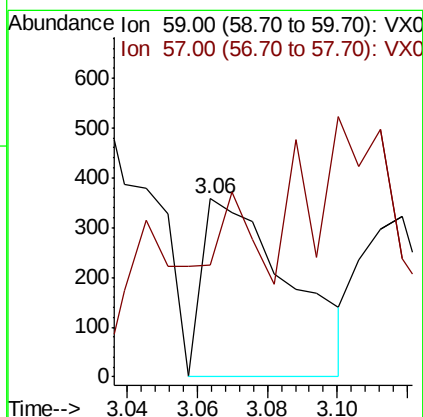
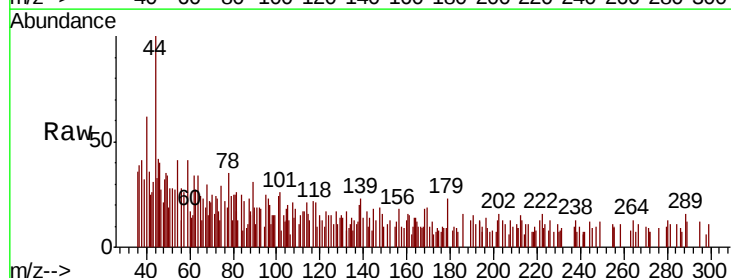
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

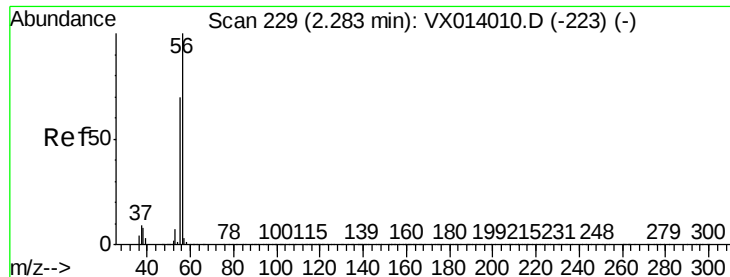
Tot Ion:142 Resp: 289
Ion Ratio Lower Upper
142 100
127 55.0 31.6 47.4#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 0.430 ug/l
RT: 3.06 min Scan# 357
Delta R.T. 0.02 min
Lab File: VX014029.D
Acq: 16 Dec 2019 12:54

Tgt Ion: 59 Resp: 618
Ion Ratio Lower Upper
59 100
57 21.5 8.4 12.6#





#13

Acrolein

Concen: 0.255 ug/l

RT: 2.31 min Scan# 233

Delta R.T. 0.02 min

Lab File: VX014029.D

Acq: 16 Dec 2019 12:54

Instrument :

MSVOA_X

ClientSampleId :

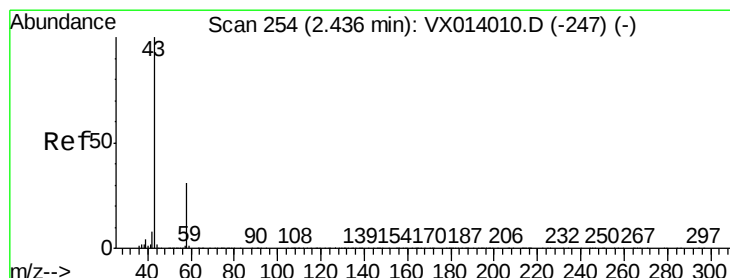
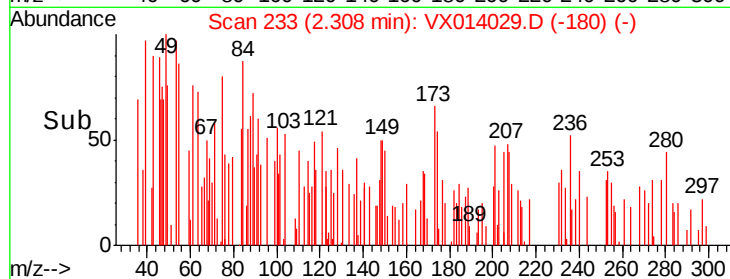
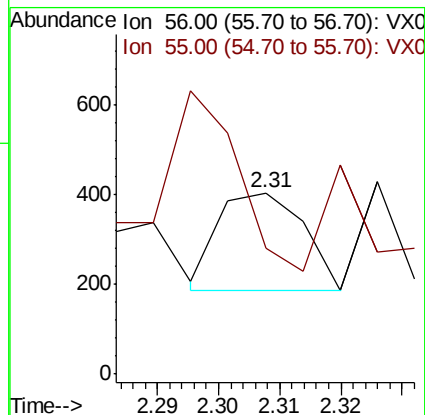
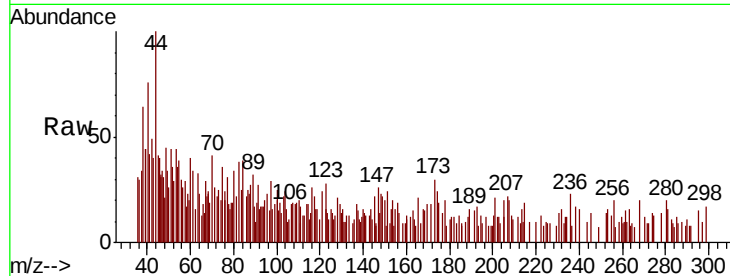
STORAGE-BLANK-WATER-REF-4

Tot Ion: 56 Resp: 210

Ion Ratio Lower Upper

56 100

55 198.6 56.9 85.3#



#16

Acetone

Concen: 2.086 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014029.D

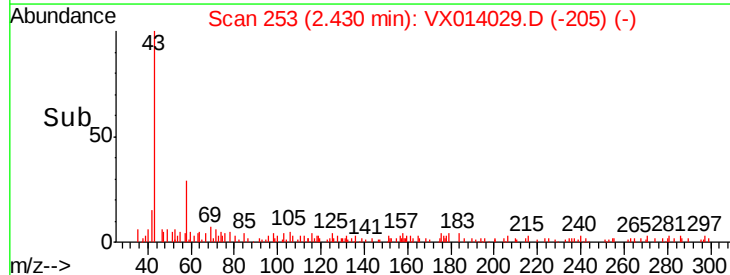
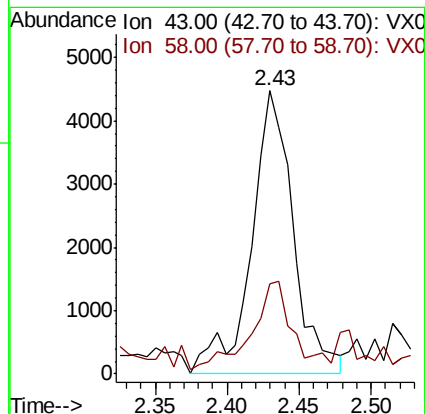
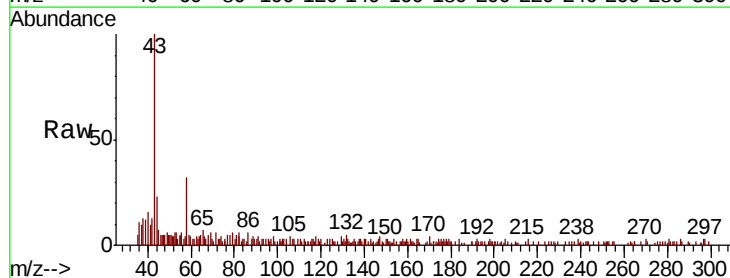
Acq: 16 Dec 2019 12:54

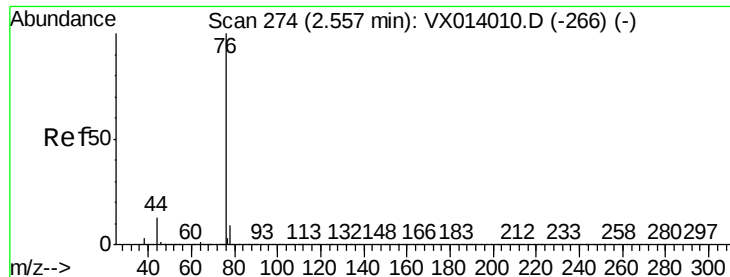
Tgt Ion: 43 Resp: 9003

Ion Ratio Lower Upper

43 100

58 30.2 24.9 37.3





#17

Carbon Disulfide

Concen: 0.904 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX014029.D

Acq: 16 Dec 2019 12:54

Instrument :

MSVOA_X

ClientSampleId :

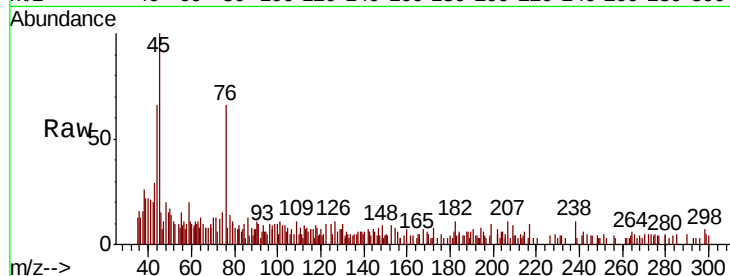
STORAGE-BLANK-WATER-REF-4

Tot Ion: 76 Resp: 2447

Ion Ratio Lower Upper

76 100

78 9.8 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

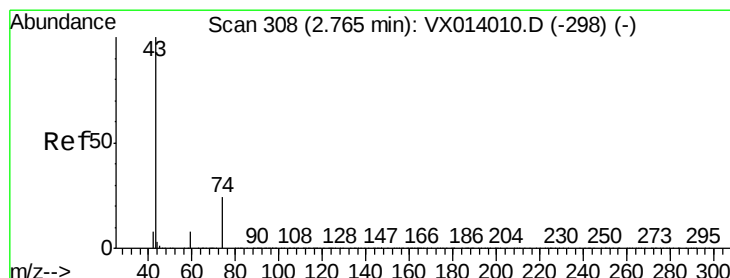
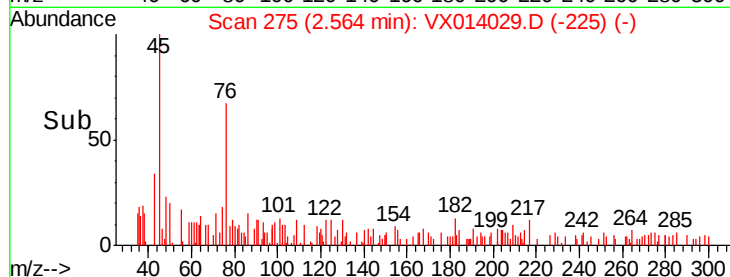
1500

1000

500

0

Time--> 2.50 2.55 2.60



#18

Methyl Acetate

Concen: 2.891 ug/l

RT: 2.59 min Scan# 280

Delta R.T. -0.17 min

Lab File: VX014029.D

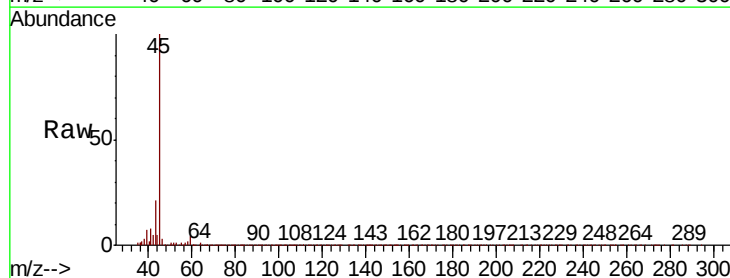
Acq: 16 Dec 2019 12:54

Tgt Ion: 43 Resp: 24721

Ion Ratio Lower Upper

43 100

74 2.3 19.5 29.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

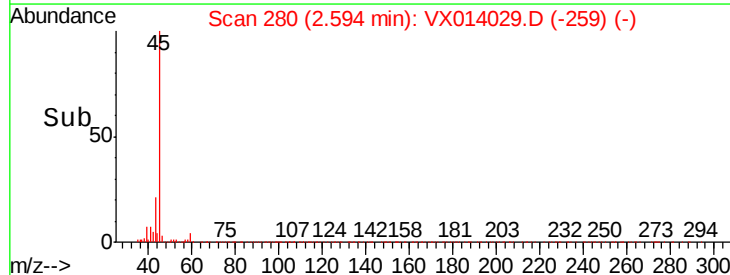
15000

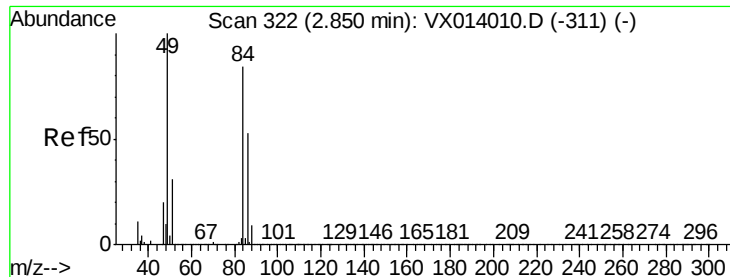
10000

5000

0

Time--> 2.50 2.55 2.60 2.65 2.70

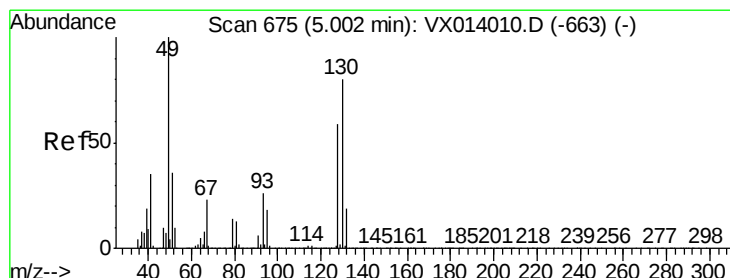
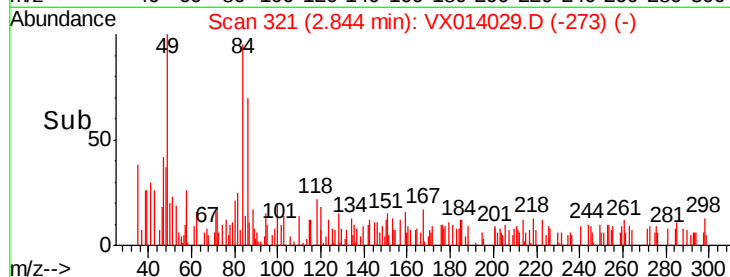
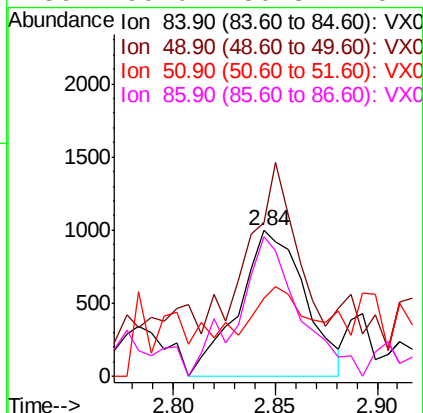
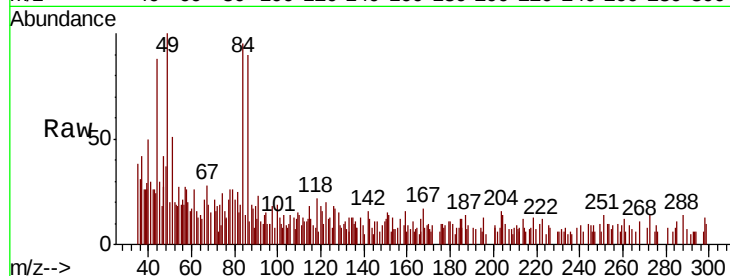




#20
Methvlene Chloride
Concen: 0.331 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX014029.D
Acq: 16 Dec 2019 12:54

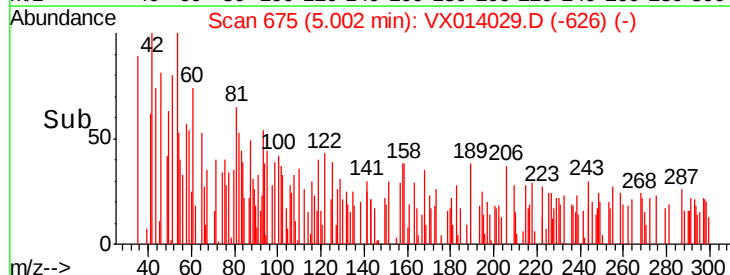
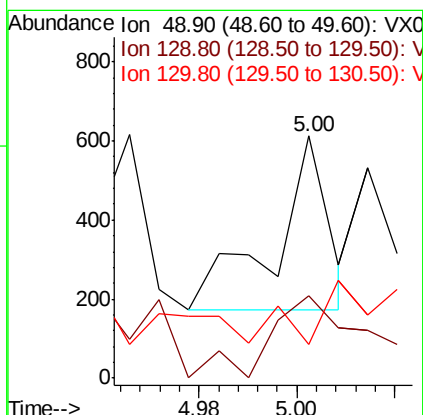
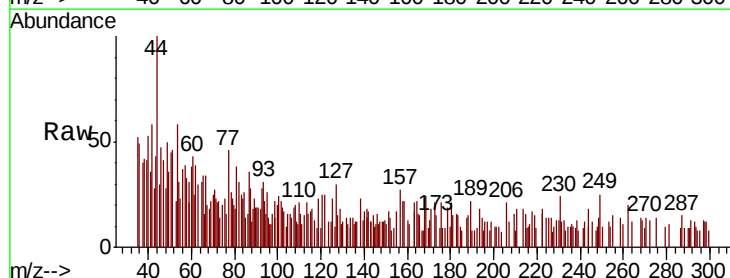
Instrument :
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STORAGE-BLANK-WATER-REF-4

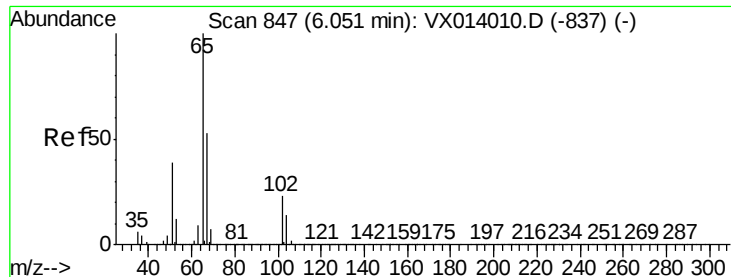
Tot Ion: 84 Resp: 2249
Ion Ratio Lower Upper
84 100
49 71.3 95.8 143.6#
51 37.9 29.8 44.8
86 99.0 50.8 76.2#



#28
Bromochloromethane
Concen: 0.532 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX014029.D
Acq: 16 Dec 2019 12:54

Tgt Ion: 49 Resp: 338
Ion Ratio Lower Upper
49 100
129 74.6 0.0 5.0#
130 52.1 64.6 97.0#





#33

1,2-Dichloroethane-d4

Concen: 48.908 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014029.D

Acq: 16 Dec 2019 12:54

Instrument :

MSVOA_X

ClientSampleId :

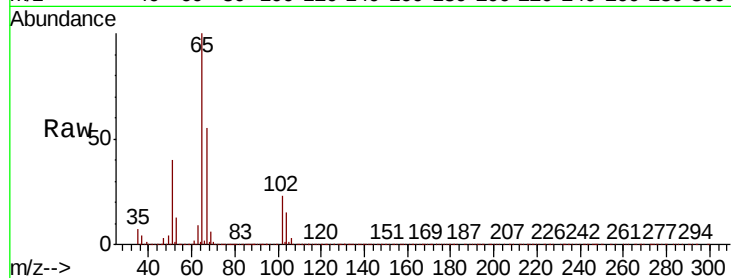
STORAGE-BLANK-WATER-REF-4

Tot Ion: 65 Resp: 325086

Ion Ratio Lower Upper

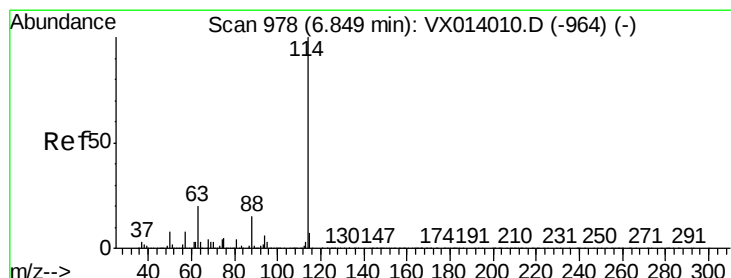
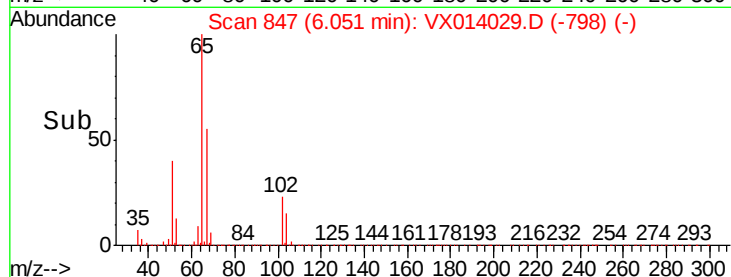
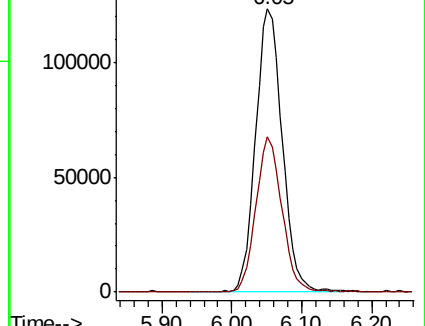
65 100

67 53.4 0.0 106.4



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: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014029.D

Acq: 16 Dec 2019 12:54

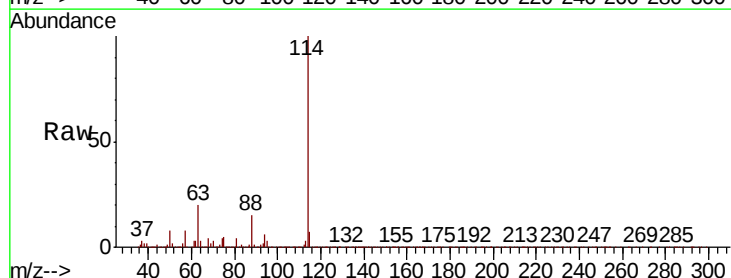
Tgt Ion: 114 Resp: 895954

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.8

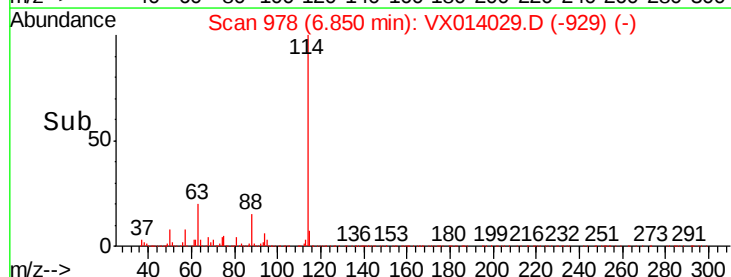
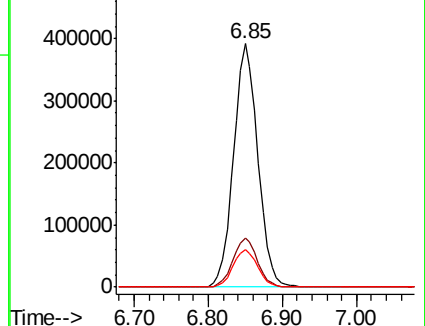
88 15.3 0.0 30.4

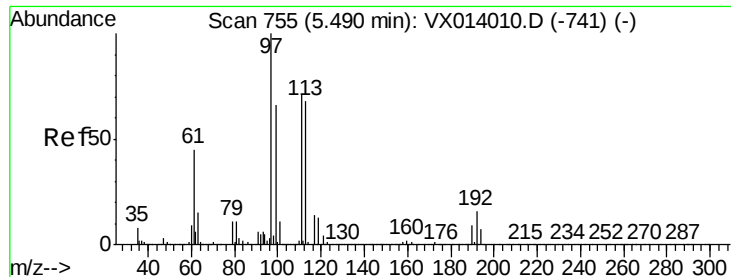


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.857 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014029.D

Acq: 16 Dec 2019 12:54

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ClientSampleId :

STORAGE-BLANK-WATER-REF-4

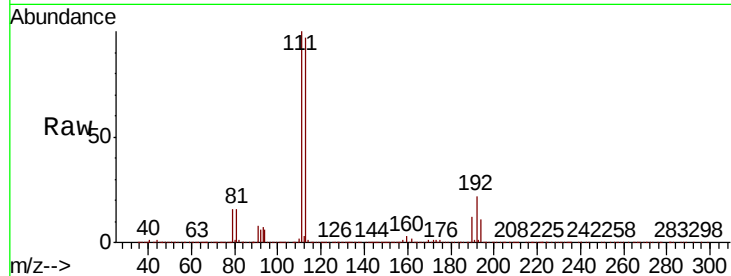
Tot Ion:113 Resp: 266093

Ion Ratio Lower Upper

113 100

111 102.5 82.0 123.0

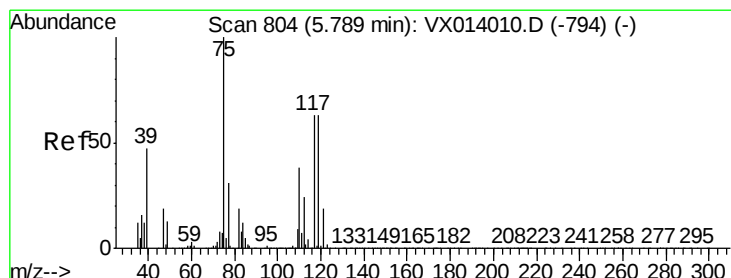
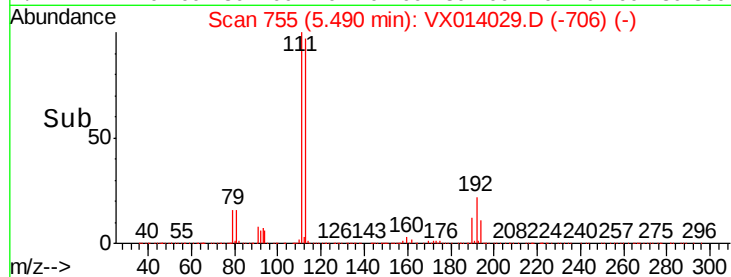
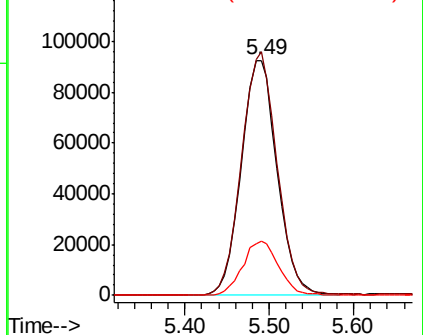
192 22.9 19.3 28.9



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: 4.743 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX014029.D

Acq: 16 Dec 2019 12:54

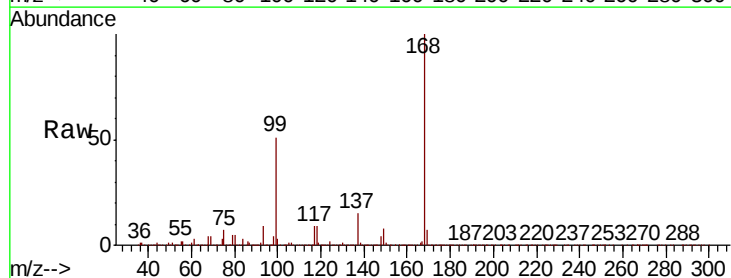
Tgt Ion: 75 Resp: 38995

Ion Ratio Lower Upper

75 100

110 9.5 18.3 54.9#

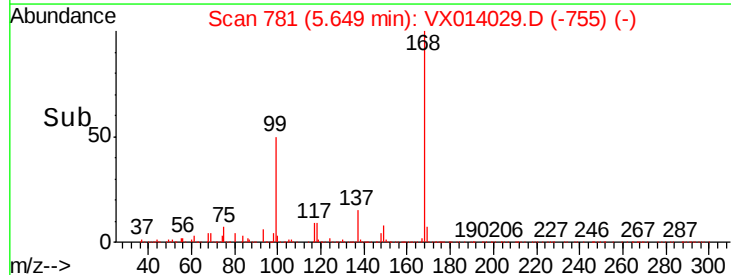
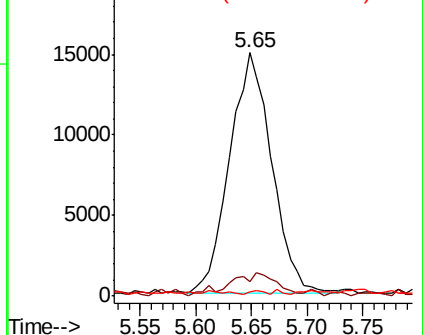
77 0.5 24.8 37.2#

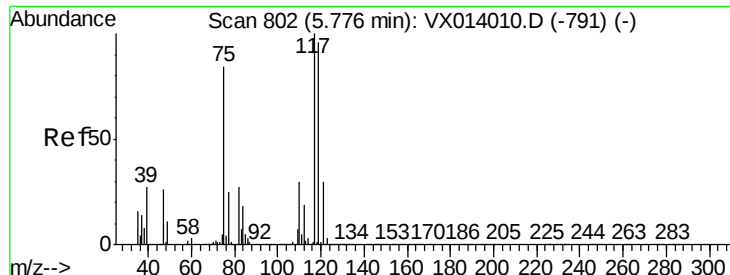


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.964 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX014029.D

Acq: 16 Dec 2019 12:54

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

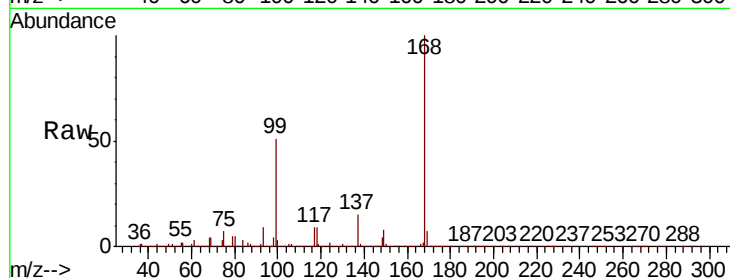
Tot Ion:117 Resp: 52154

Ion Ratio Lower Upper

117 100

119 6.5 76.2 114.4#

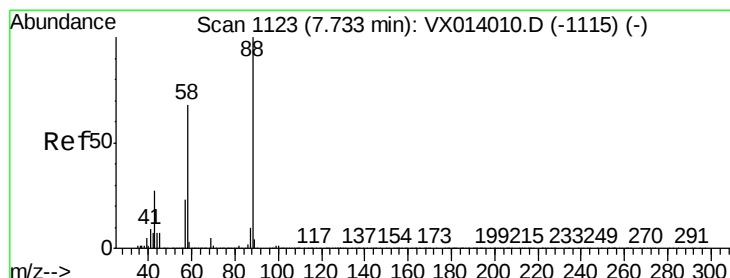
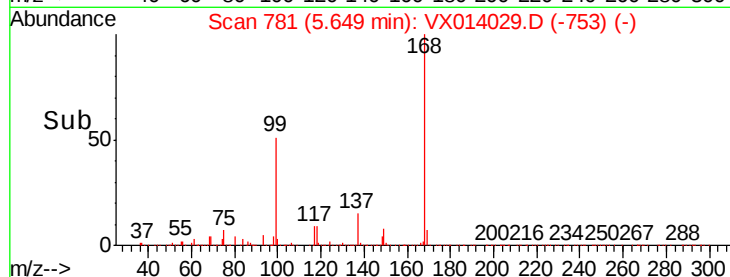
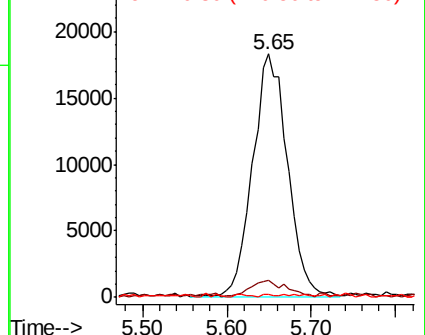
121 0.6 23.6 35.4#



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: 2.157 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX014029.D

Acq: 16 Dec 2019 12:54

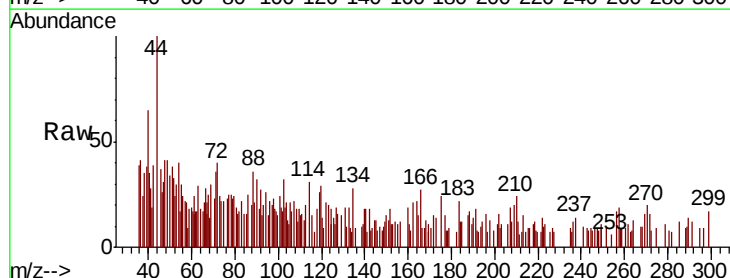
Tgt Ion: 88 Resp: 323

Ion Ratio Lower Upper

88 100

43 0.0 26.5 39.7#

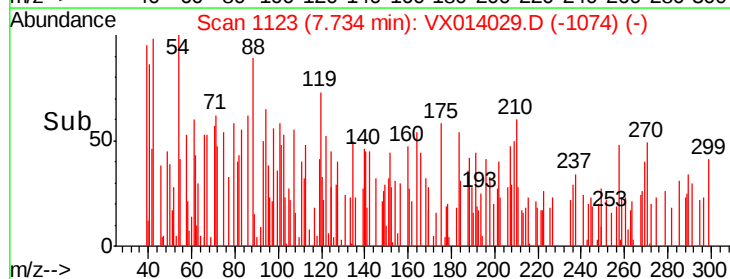
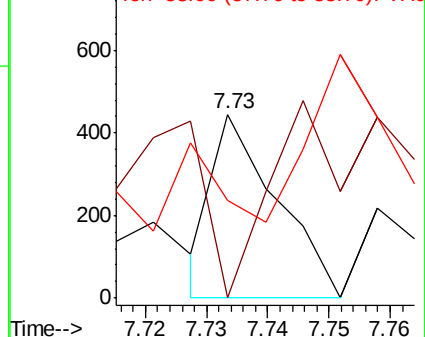
58 137.8 56.8 85.2#

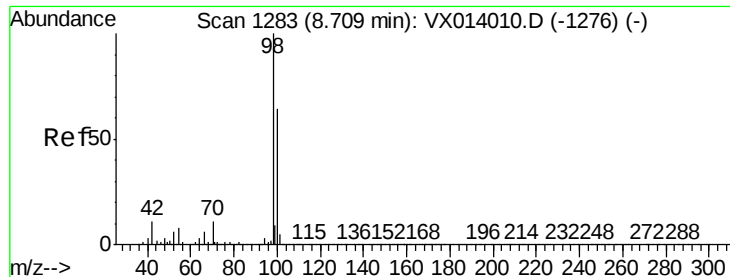


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.861 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014029.D

Acq: 16 Dec 2019 12:54

Instrument :

MSVOA_X

ClientSampleId :

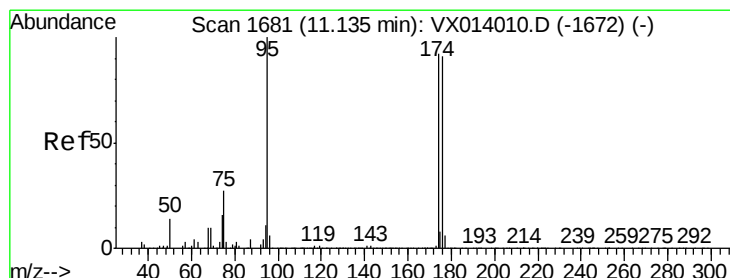
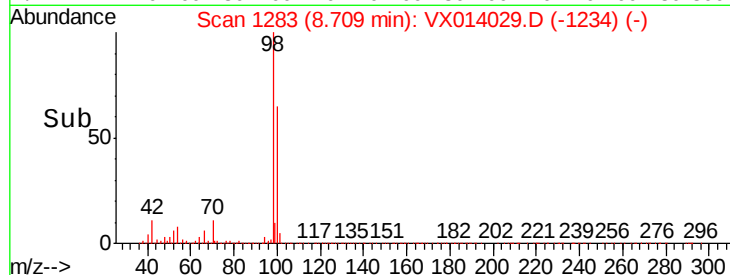
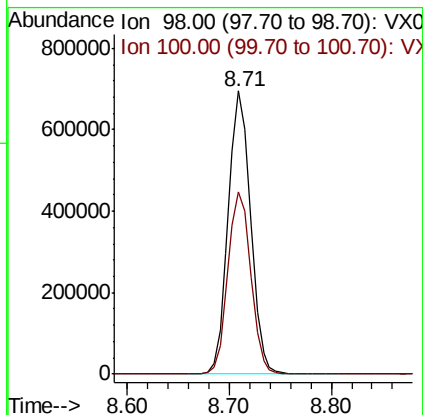
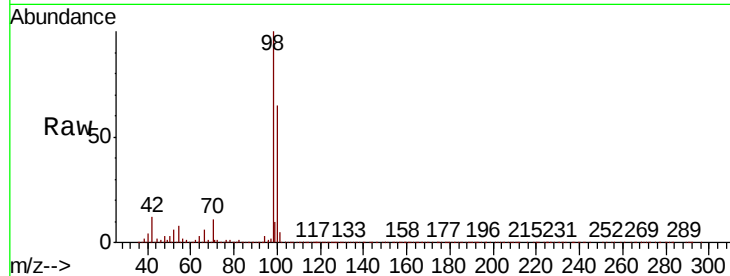
STORAGE-BLANK-WATER-REF-4

Tot Ion: 98 Resp: 1057271

Ion Ratio Lower Upper

98 100

100 65.6 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 45.446 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014029.D

Acq: 16 Dec 2019 12:54

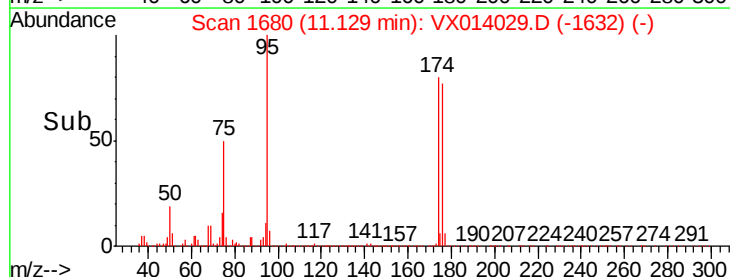
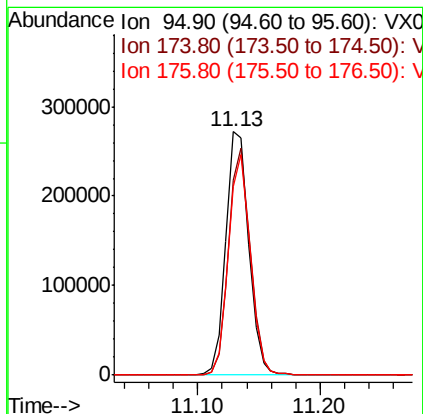
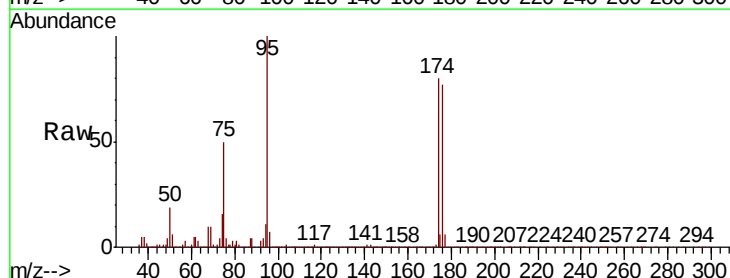
Tgt Ion: 95 Resp: 352253

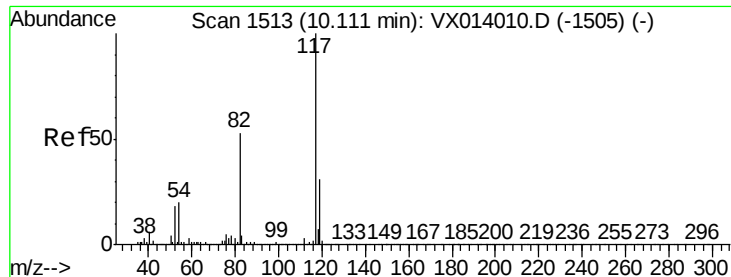
Ion Ratio Lower Upper

95 100

174 88.4 0.0 175.8

176 86.2 0.0 173.0

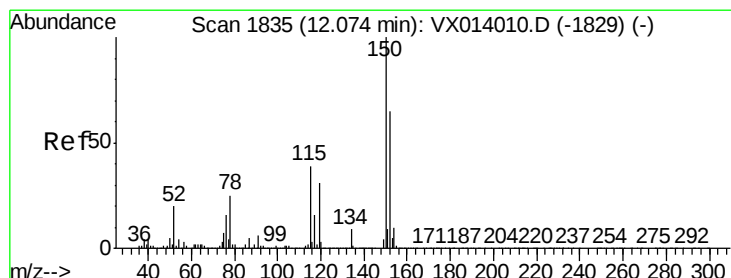
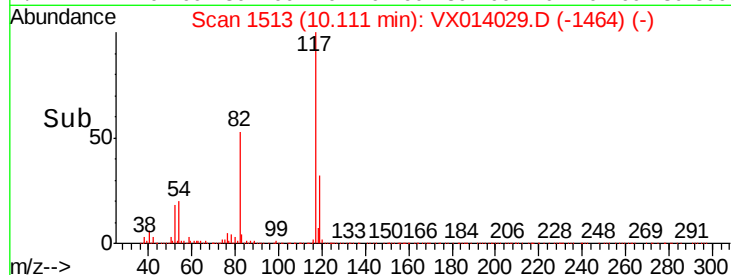
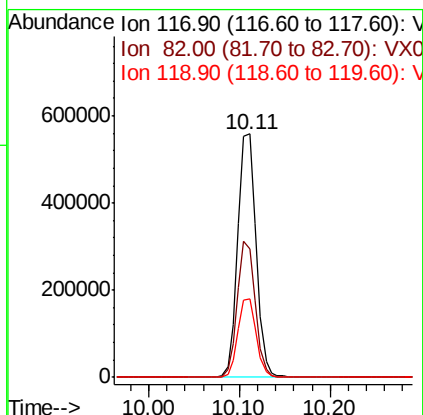
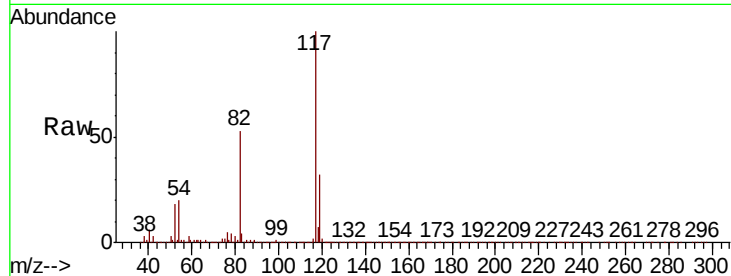




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014029.D
Acq: 16 Dec 2019 12:54

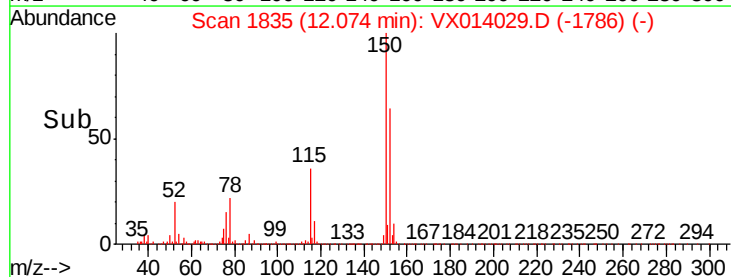
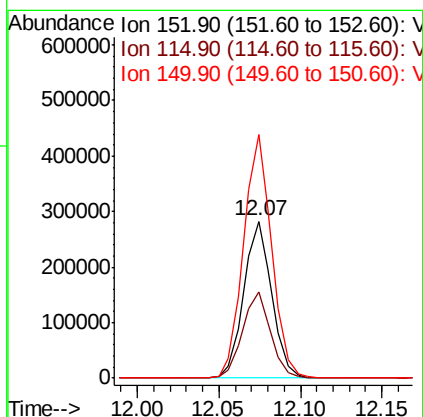
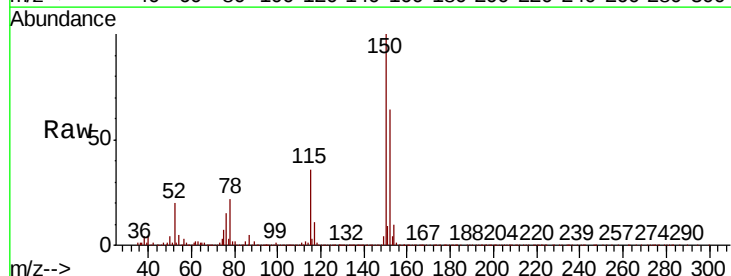
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

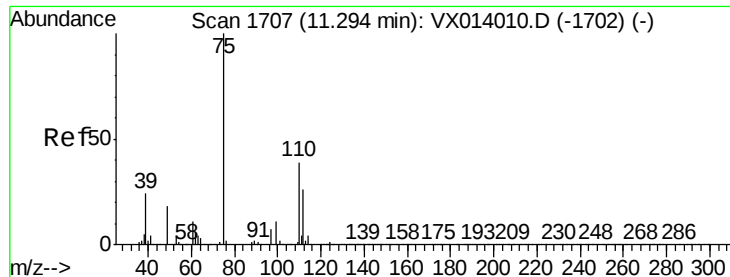
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	42.2	63.4
119	32.4	25.1	37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014029.D
Acq: 16 Dec 2019 12:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.0	38.3	114.9
150	155.3	0.0	345.4





#76

1,2,3-Trichloropropane

Concen: 23.419 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014029.D

Acq: 16 Dec 2019 12:54

Instrument :

MSVOA_X

ClientSampleId :

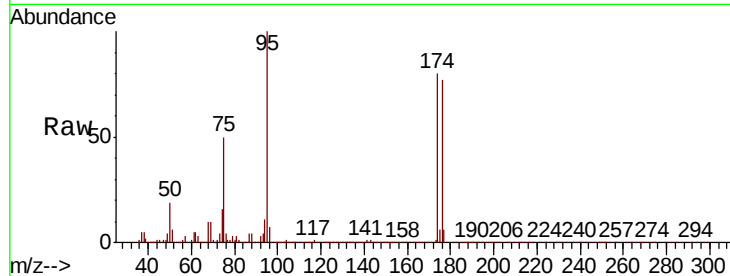
STORAGE-BLANK-WATER-REF-4

Tot Ion: 75 Resp: 172125

Ion Ratio Lower Upper

75 100

77 1.7 19.3 57.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

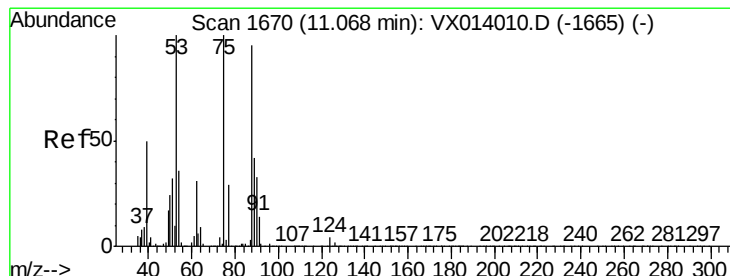
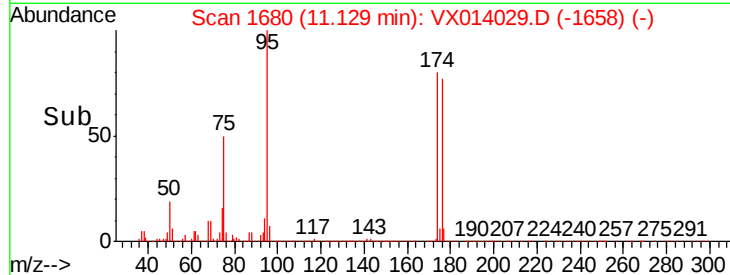
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 66.100 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014029.D

Acq: 16 Dec 2019 12:54

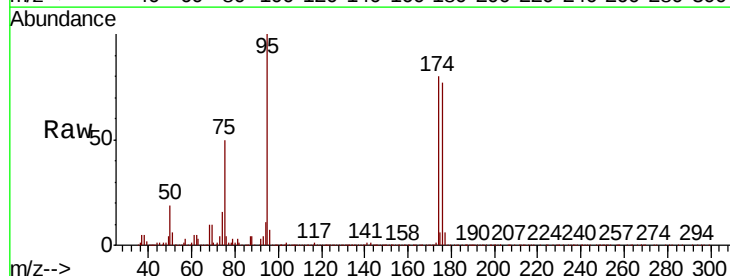
Tgt Ion: 75 Resp: 172125

Ion Ratio Lower Upper

75 100

53 0.0 76.7 115.1#

89 0.1 34.6 51.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

11.13

150000

100000

50000

0

Time-->

