

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121018\
 Data File : VX006376.D
 Acq On : 10 Dec 2018 17:58
 Operator : JC/MD
 Sample : J6288-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW302D-20181205

Quant Time: Dec 11 03:59:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	737382	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1137096	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	1029877	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	501393	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	374611	49.77	ug/l	0.00
Spiked Amount			Recovery	=	99.54%	
35) Dibromofluoromethane	5.50	113	353103	47.96	ug/l	0.00
Spiked Amount			Recovery	=	95.92%	
50) Toluene-d8	8.71	98	1320087	49.29	ug/l	0.00
Spiked Amount			Recovery	=	98.58%	
62) 4-Bromofluorobenzene	11.13	95	486951	48.25	ug/l	0.00
Spiked Amount			Recovery	=	96.50%	

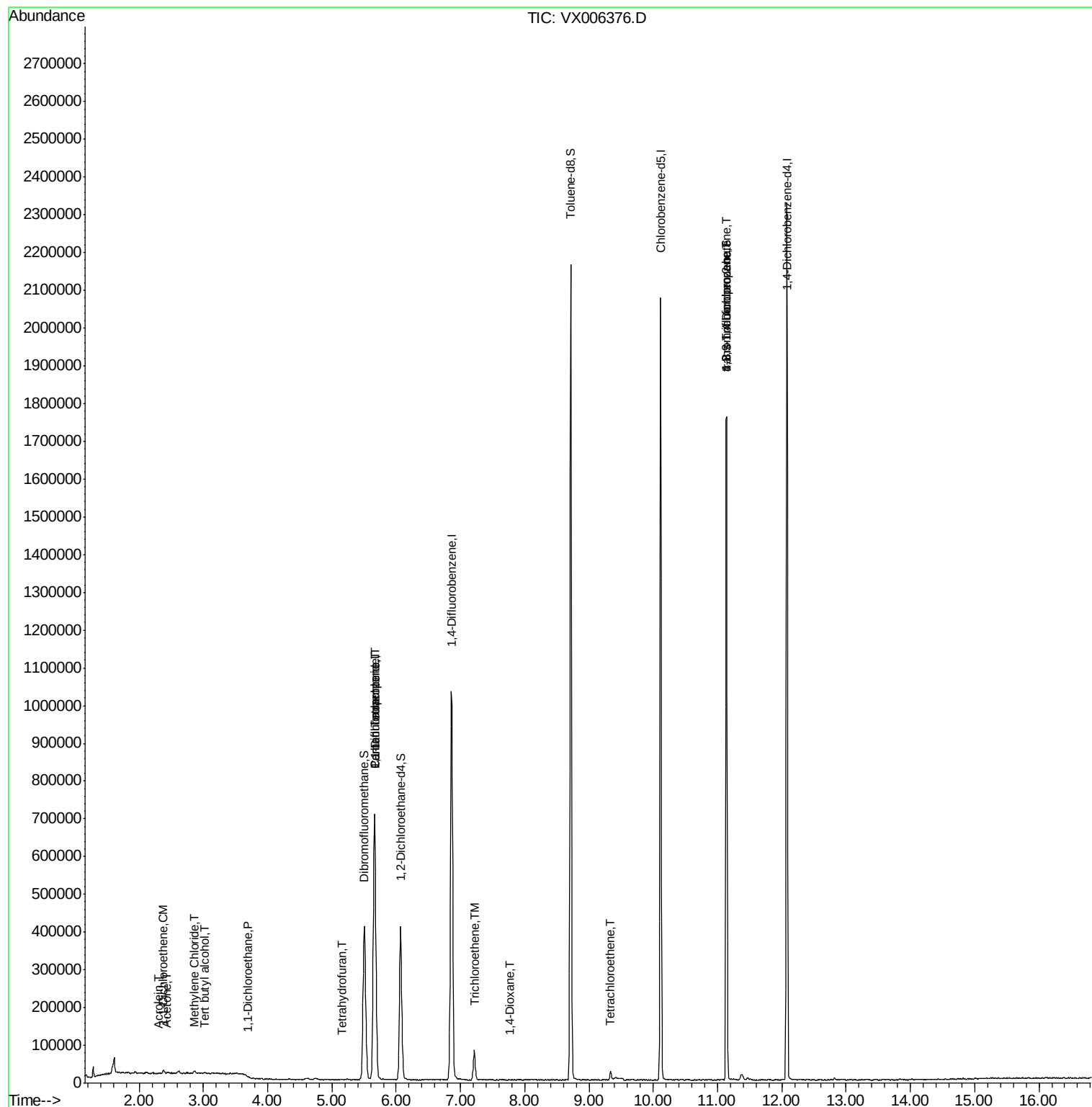
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.02	59	2692	1.308	ug/l #	84
12) 1,1-Dichloroethene	2.38	96	3268	0.490	ug/l #	74
13) Acrolein	2.29	56	798	0.709	ug/l #	71
16) Acetone	2.44	43	5006	1.417	ug/l	97
20) Methylene Chloride	2.86	84	2967	0.395	ug/l #	71
24) 1,1-Dichloroethane	3.70	63	3710	0.315	ug/l #	78
29) Tetrahydrofuran	5.16	42	938	0.268	ug/l #	41
36) 1,1-Dichloropropene	5.66	75	46249	4.830	ug/l #	49
38) Carbon Tetrachloride	5.66	117	67805	6.019	ug/l #	16
44) Trichloroethene	7.21	130	31118	3.582	ug/l	94
49) 1,4-Dioxane	7.76	88	668	3.116	ug/l #	48
64) Tetrachloroethene	9.33	164	3295	0.425	ug/l	89
76) 1,2,3-Trichloropropane	11.13	75	225041	23.254	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	225041	54.570	ug/l #	15

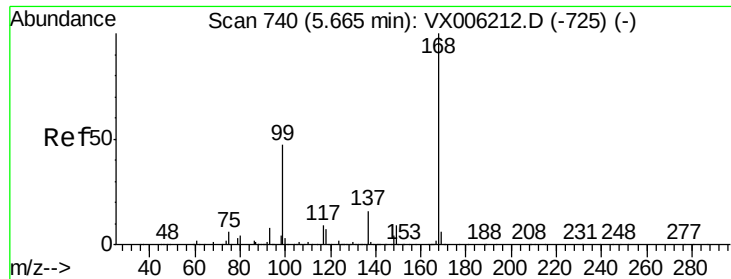
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 30 03:55:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX006376.D

Acq: 10 Dec 2018 17:58

Instrument :

MSVOA_X

ClientSampleId :

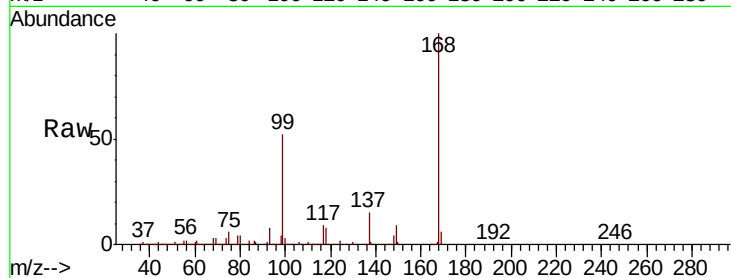
BPS1-TT-MW302D-20181205

Tot Ion:168 Resp: 737382

Ion Ratio Lower Upper

168 100

99 52.1 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

250000

200000

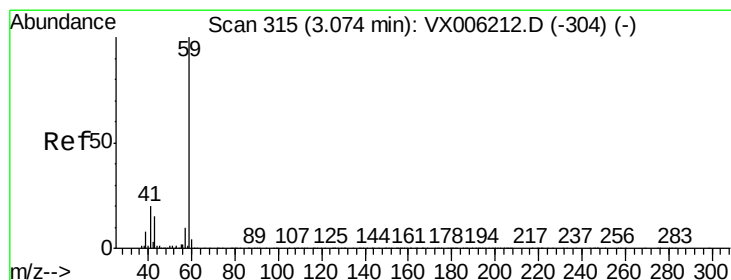
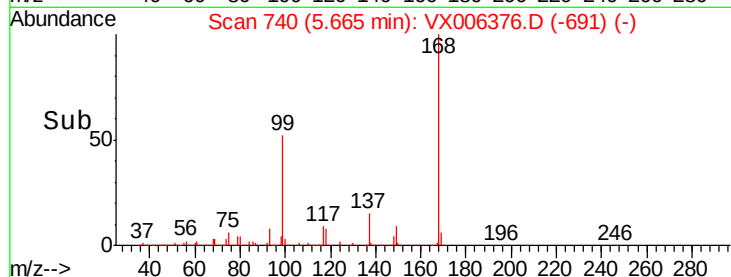
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.308 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.06 min

Lab File: VX006376.D

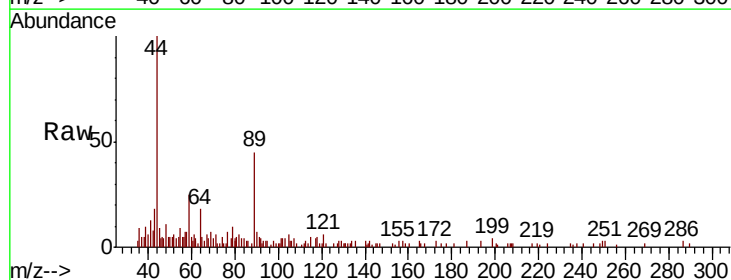
Acq: 10 Dec 2018 17:58

Tgt Ion: 59 Resp: 2692

Ion Ratio Lower Upper

59 100

57 4.3 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

1200

1000

800

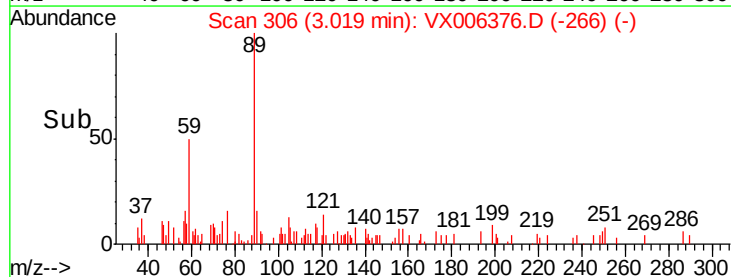
600

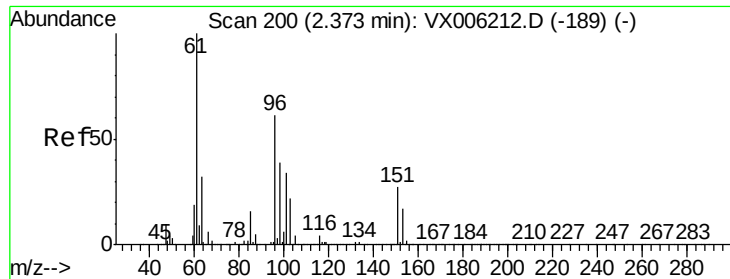
400

200

0

Time-->





#12

1,1-Dichloroethene

Concen: 0.490 ug/l

RT: 2.38 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX006376.D

Acq: 10 Dec 2018 17:58

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW302D-20181205

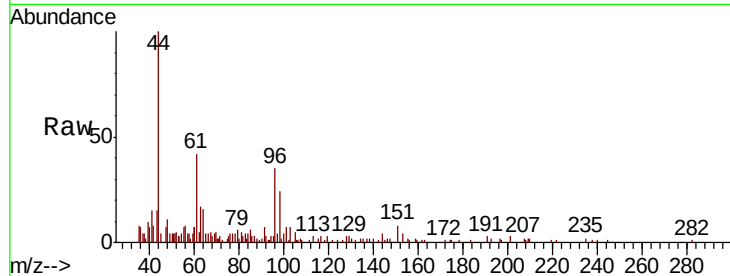
Tot Ion: 96 Resp: 3268

Ion Ratio Lower Upper

96 100

61 119.1 131.7 197.5#

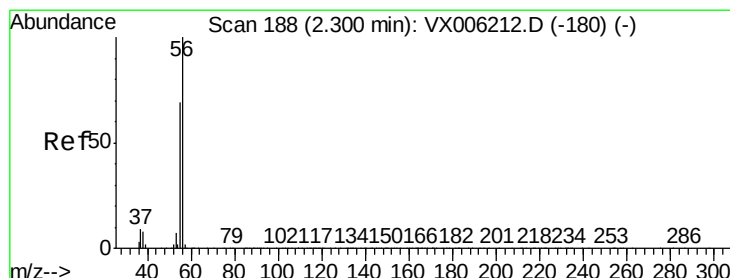
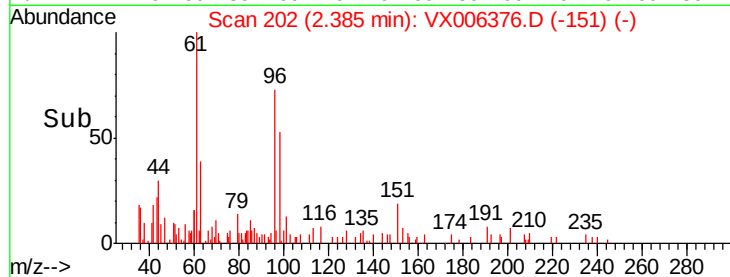
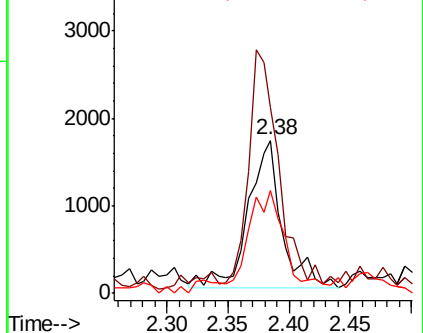
98 70.1 51.8 77.6



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#13

Acrolein

Concen: 0.709 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX006376.D

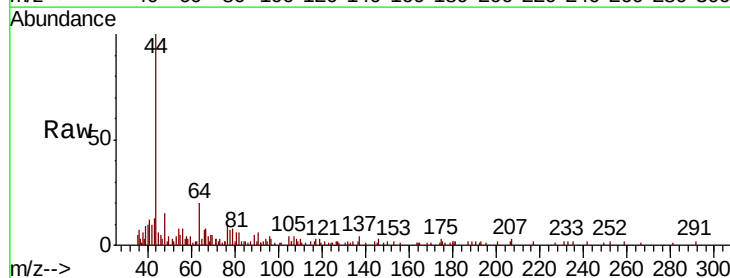
Acq: 10 Dec 2018 17:58

Tgt Ion: 56 Resp: 798

Ion Ratio Lower Upper

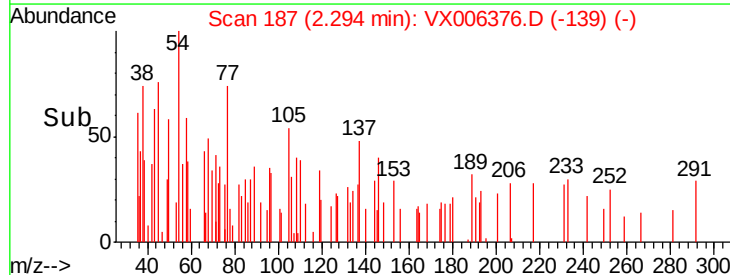
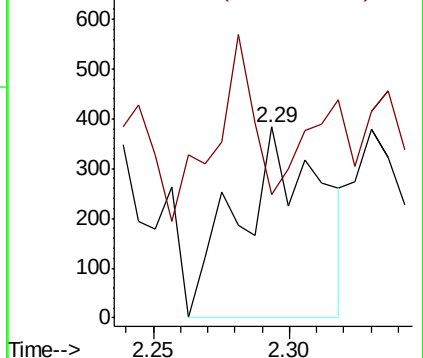
56 100

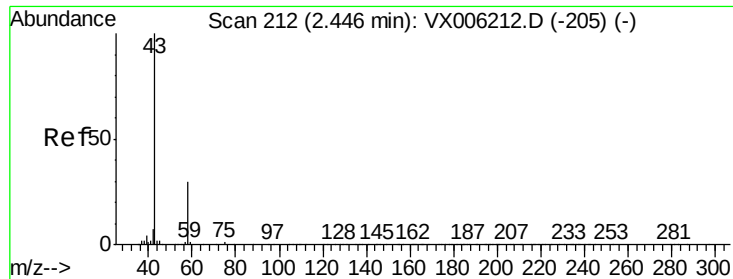
55 47.7 57.8 86.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

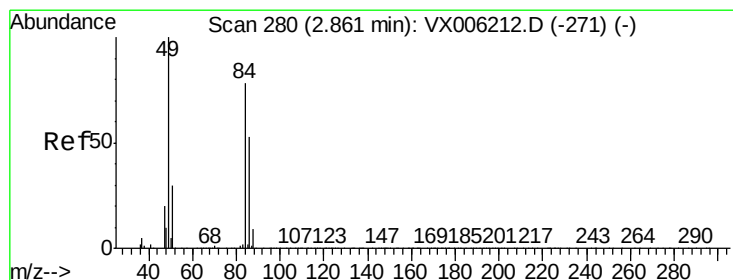
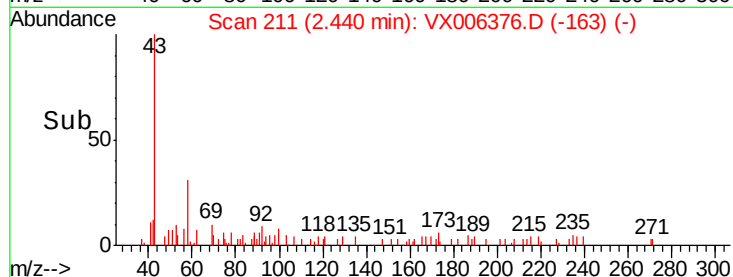
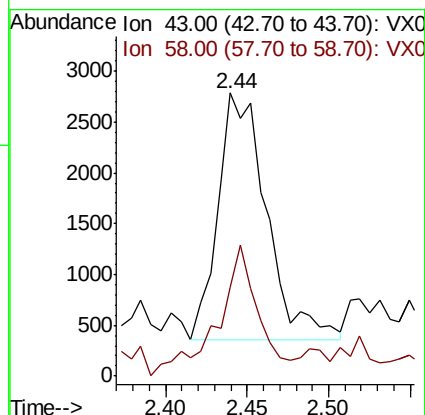
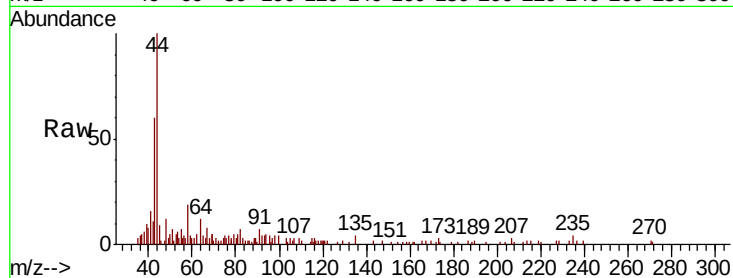




#16
Acetone
Concen: 1.417 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX006376.D
Acq: 10 Dec 2018 17:58

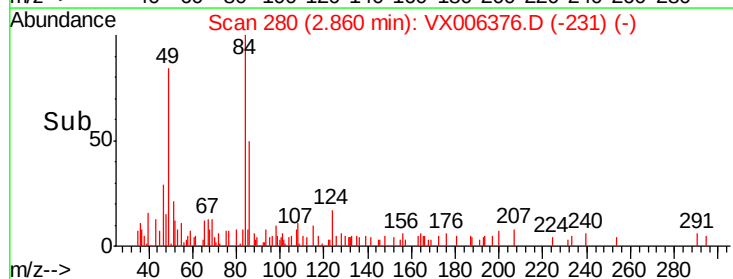
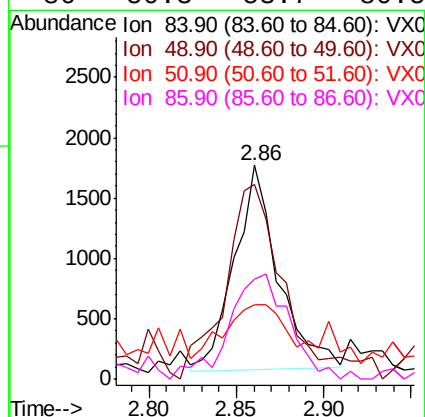
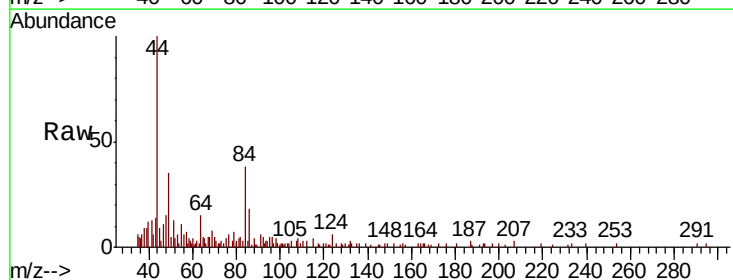
Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW302D-20181205

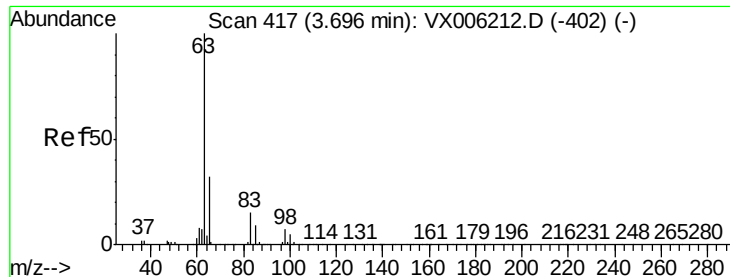
Tot Ion: 43 Resp: 5006
Ion Ratio Lower Upper
43 100
58 28.3 24.0 36.0



#20
Methylene Chloride
Concen: 0.395 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX006376.D
Acq: 10 Dec 2018 17:58

Tgt Ion: 84 Resp: 2967
Ion Ratio Lower Upper
84 100
49 86.5 102.2 153.4#
51 27.4 31.1 46.7#
86 50.3 53.7 80.5#





#24

1,1-Dichloroethane

Concen: 0.315 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX006376.D

Acq: 10 Dec 2018 17:58

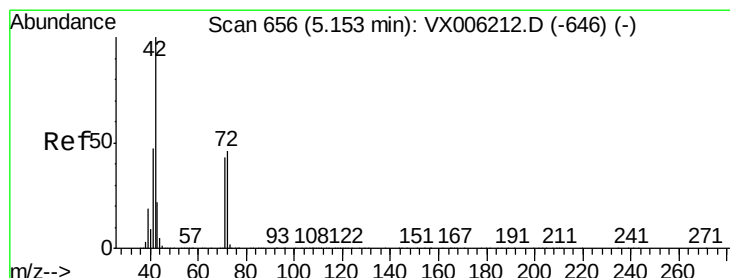
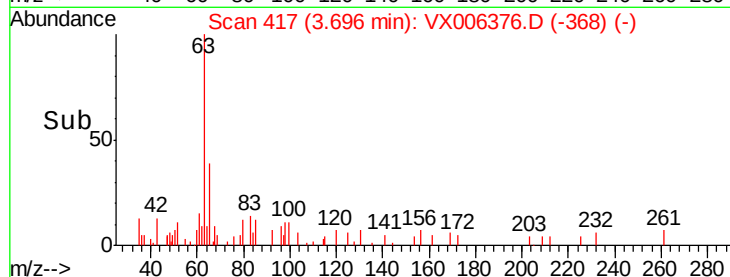
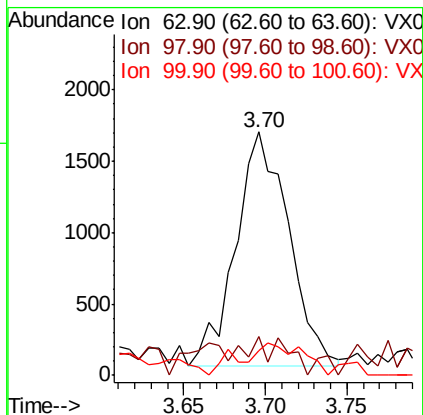
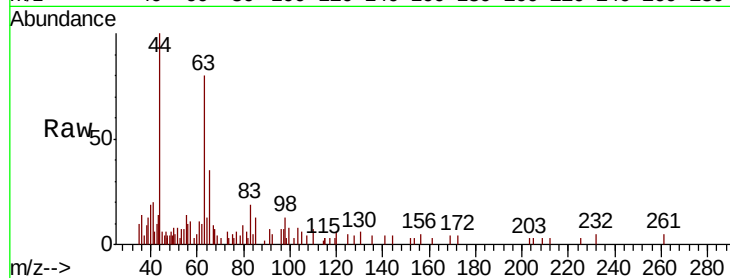
Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW302D-20181205

Tot Ion:	63	Resp:	3710
Ion	Ratio	Lower	Upper
63	100		
98	19.8	3.8	11.4#
100	5.9	2.5	7.4



#29

Tetrahydrofuran

Concen: 0.268 ug/l

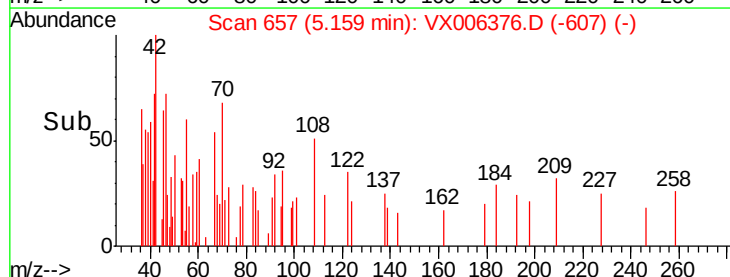
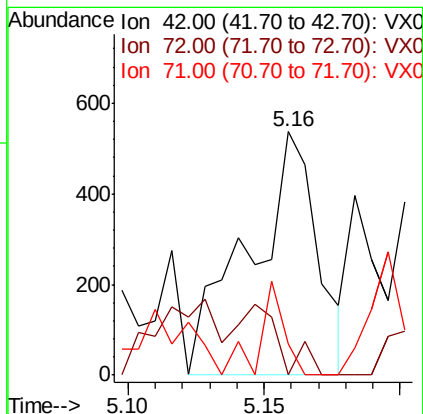
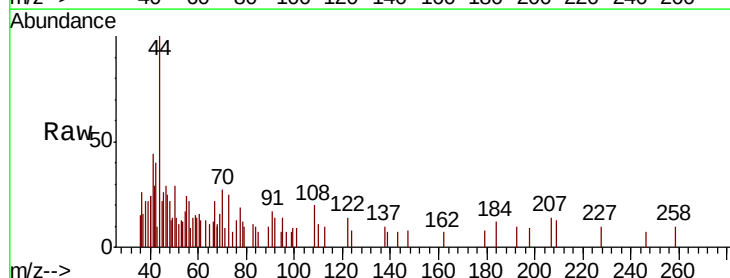
RT: 5.16 min Scan# 657

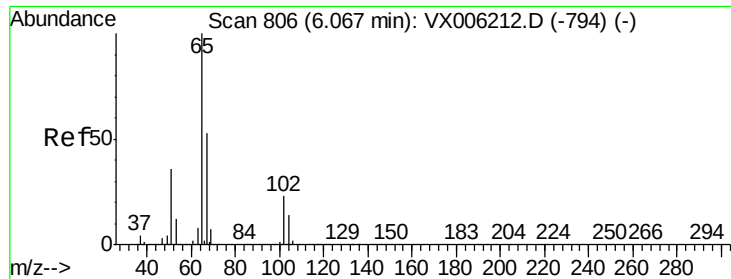
Delta R.T. 0.01 min

Lab File: VX006376.D

Acq: 10 Dec 2018 17:58

Tgt Ion:	42	Resp:	938
Ion	Ratio	Lower	Upper
42	100		
72	0.0	37.8	56.8#
71	13.6	35.2	52.8#

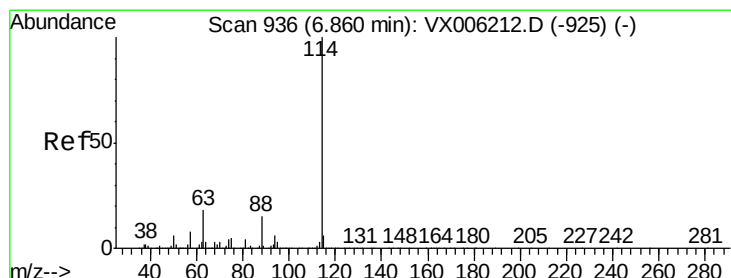
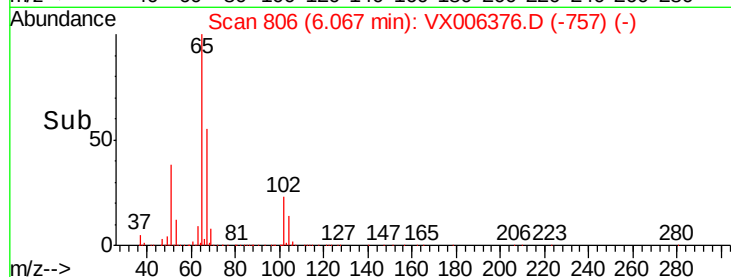
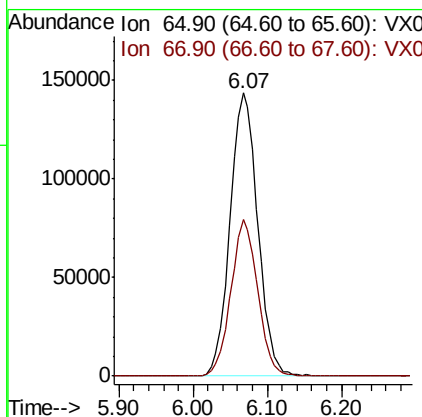
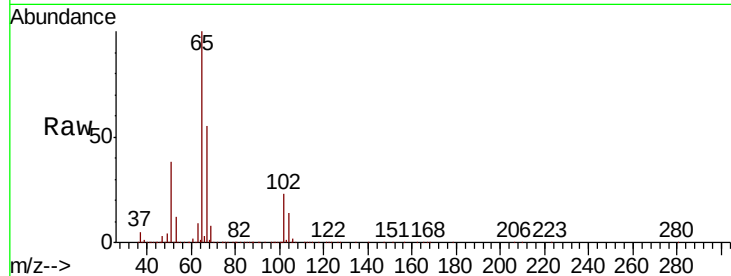




#33
 1,2-Dichloroethane-d4
 Concen: 49.766 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX006376.D
 Acq: 10 Dec 2018 17:58

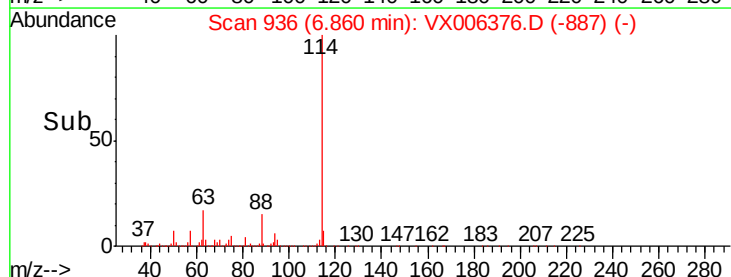
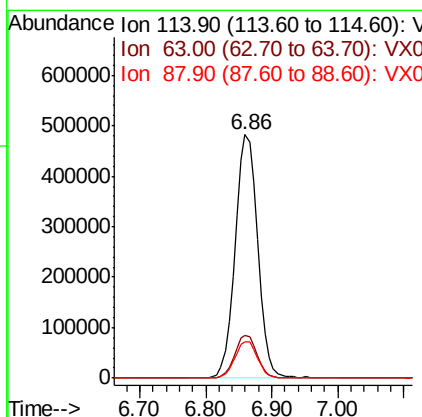
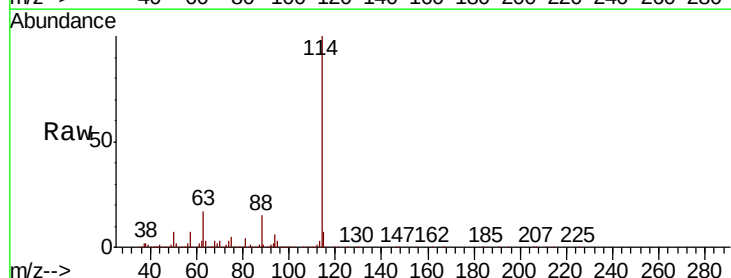
Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW302D-20181205

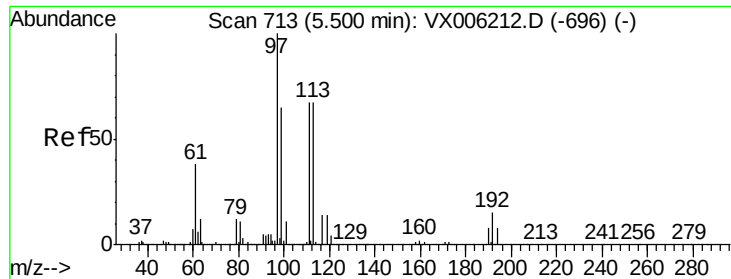
Tot Ion: 65 Resp: 374611
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX006376.D
 Acq: 10 Dec 2018 17:58

Tgt Ion: 114 Resp: 1137096
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 36.6
 88 15.1 0.0 29.0





#35

Dibromofluoromethane

Concen: 47.961 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006376.D

Acq: 10 Dec 2018 17:58

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW302D-20181205

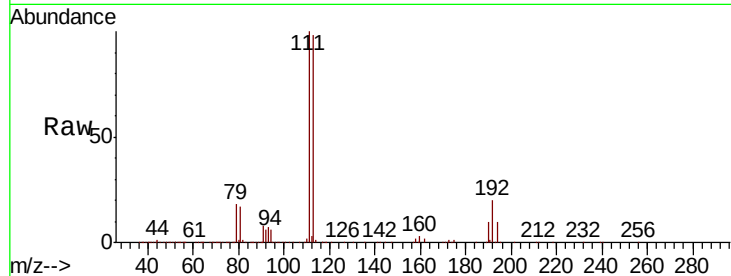
Tot Ion:113 Resp: 353103

Ion Ratio Lower Upper

113 100

111 102.2 81.1 121.7

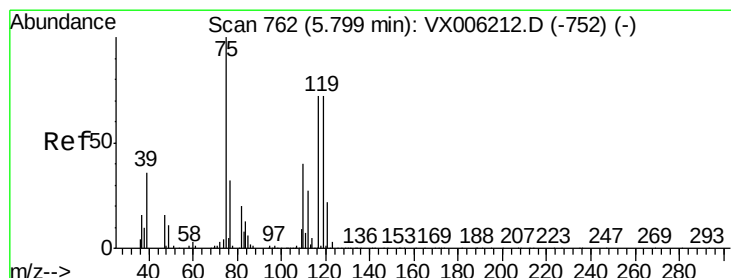
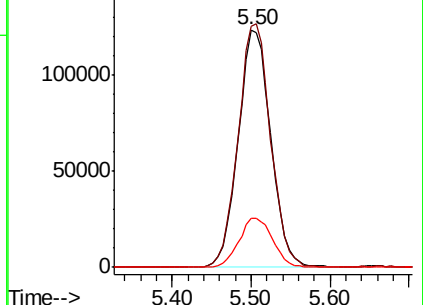
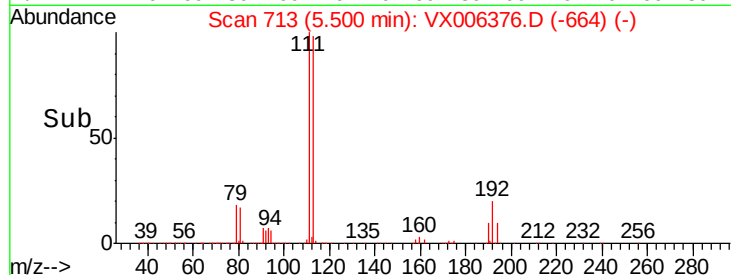
192 21.6 18.2 27.2



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: 4.830 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006376.D

Acq: 10 Dec 2018 17:58

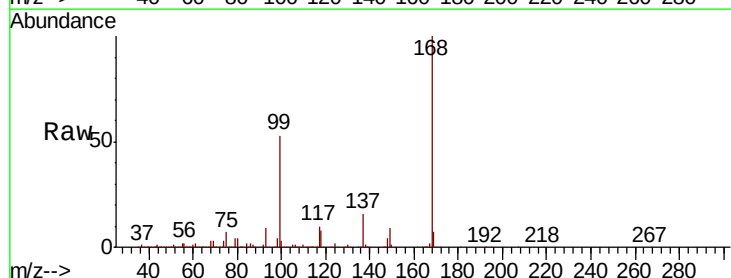
Tgt Ion: 75 Resp: 46249

Ion Ratio Lower Upper

75 100

110 10.8 20.4 61.3#

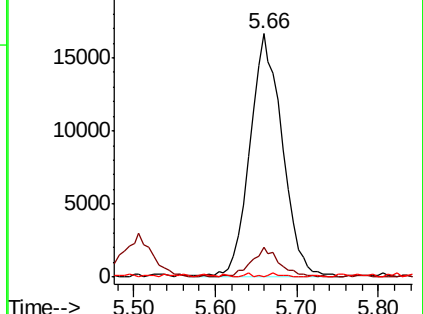
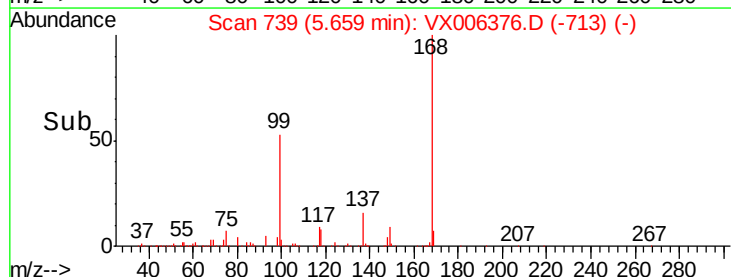
77 0.6 24.9 37.3#

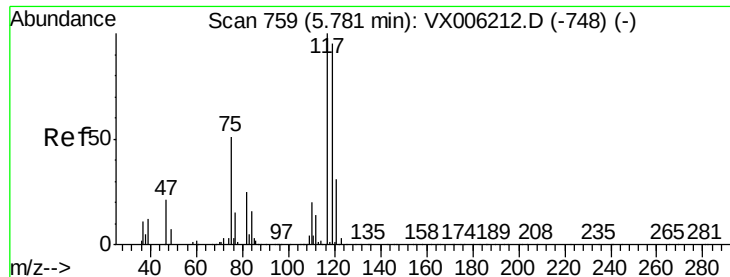


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.019 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006376.D

Acq: 10 Dec 2018 17:58

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW302D-20181205

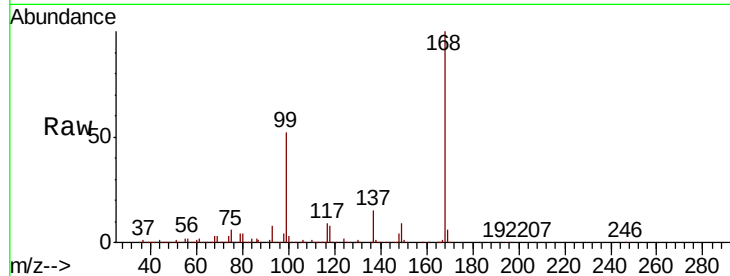
Tot Ion:117 Resp: 67805

Ion Ratio Lower Upper

117 100

119 4.6 75.8 113.8#

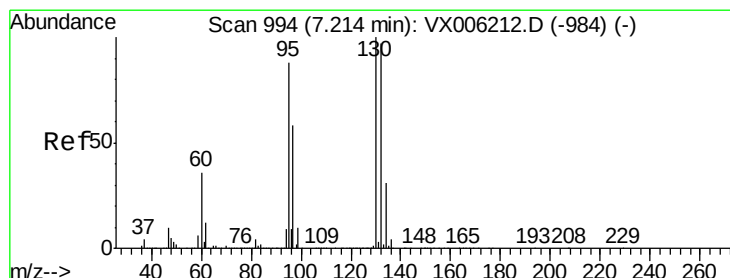
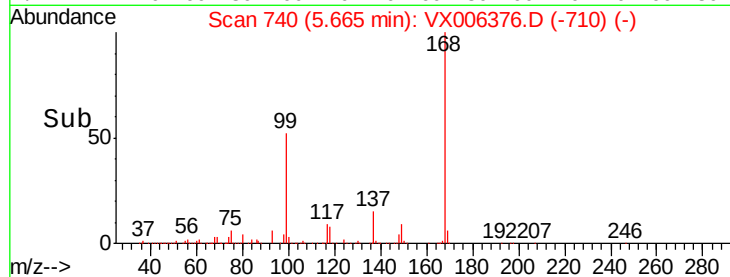
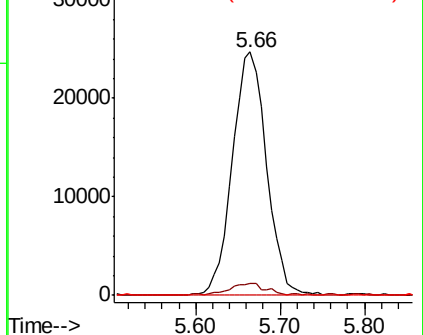
121 0.2 24.6 37.0#



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



#44

Trichloroethene

Concen: 3.582 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX006376.D

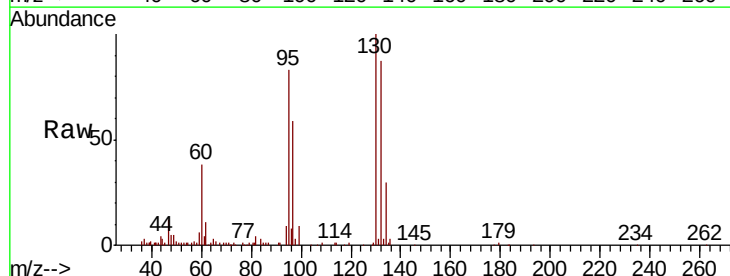
Acq: 10 Dec 2018 17:58

Tgt Ion:130 Resp: 31118

Ion Ratio Lower Upper

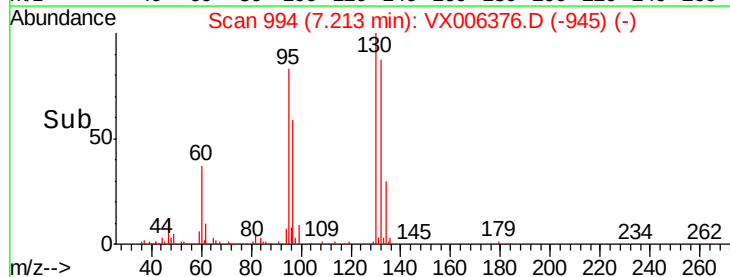
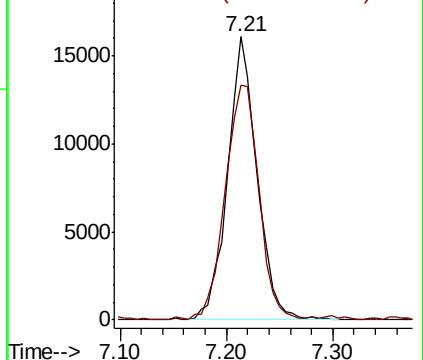
130 100

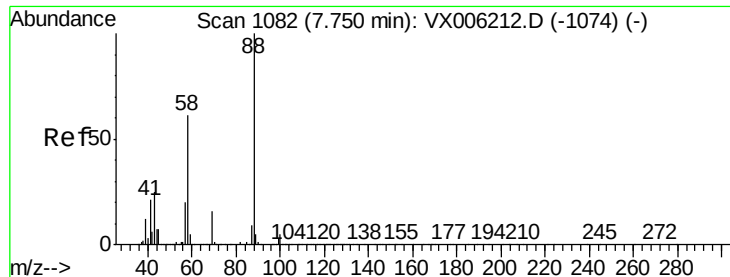
95 82.7 0.0 175.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V

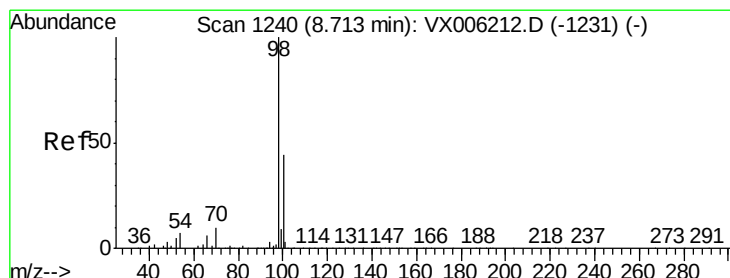
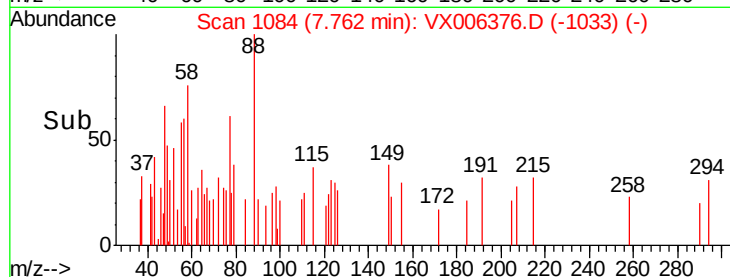
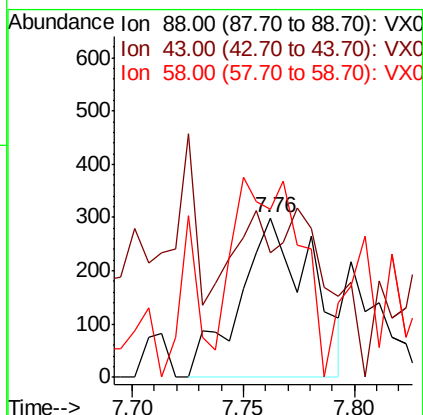
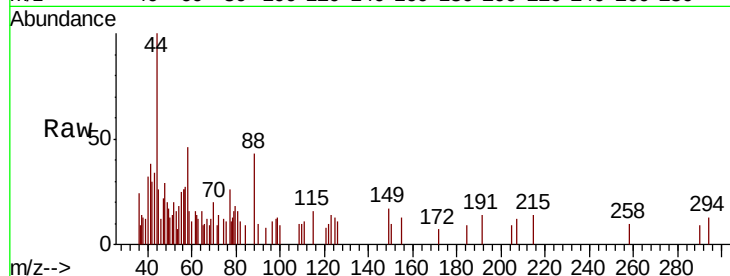




#49
1,4-Dioxane
Concen: 3.116 ug/l
RT: 7.76 min Scan# 1084
Delta R.T. 0.01 min
Lab File: VX006376.D
Acq: 10 Dec 2018 17:58

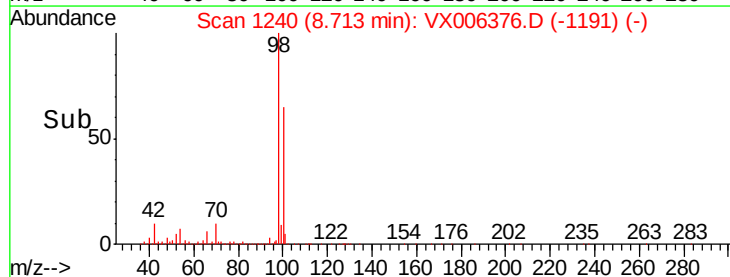
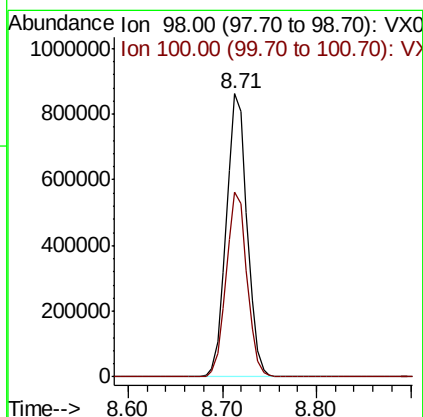
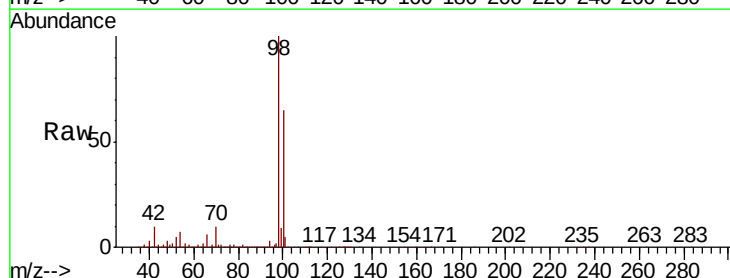
Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW302D-20181205

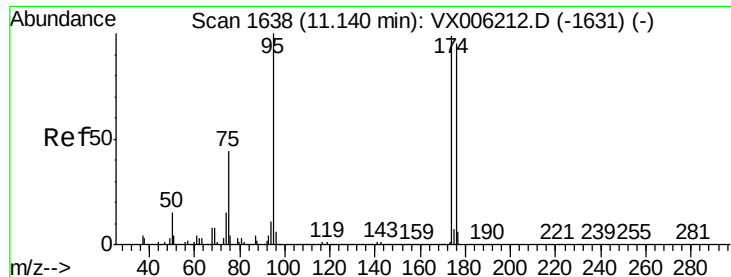
Tot Ion: 88 Resp: 668
Ion Ratio Lower Upper
88 100
43 18.1 23.2 34.8#
58 115.6 51.4 77.0#



#50
Toluene-d8
Concen: 49.294 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX006376.D
Acq: 10 Dec 2018 17:58

Tgt Ion: 98 Resp: 1320087
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.2





#62

4-Bromofluorobenzene

Concen: 48.254 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006376.D

Acq: 10 Dec 2018 17:58

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW302D-20181205

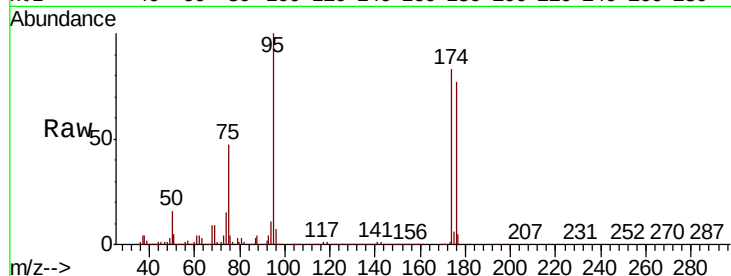
Tot Ion: 95 Resp: 486951

Ion Ratio Lower Upper

95 100

174 89.3 0.0 187.0

176 86.4 0.0 181.8



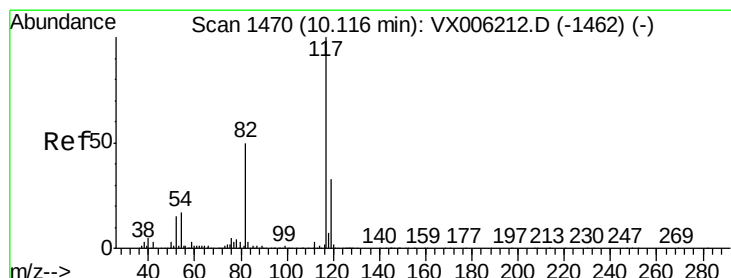
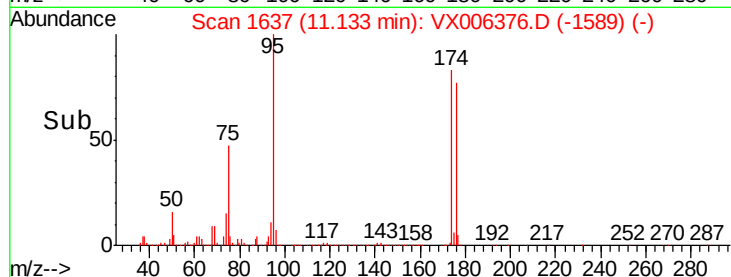
Abundance Ion 94.90 (94.60 to 95.60): VX006212.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX006212.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX006212.D (-1631) (-)

11.13

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX006376.D

Acq: 10 Dec 2018 17:58

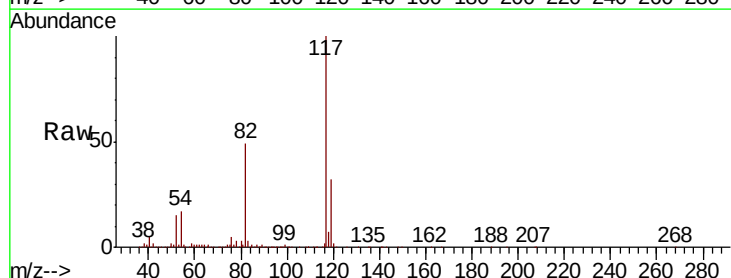
Tgt Ion: 117 Resp: 1029877

Ion Ratio Lower Upper

117 100

82 49.2 39.6 59.4

119 32.1 26.3 39.5



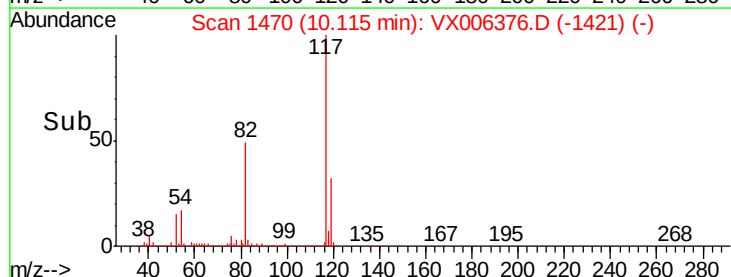
Abundance Ion 116.90 (116.60 to 117.60): VX006212.D (-1462) (-)

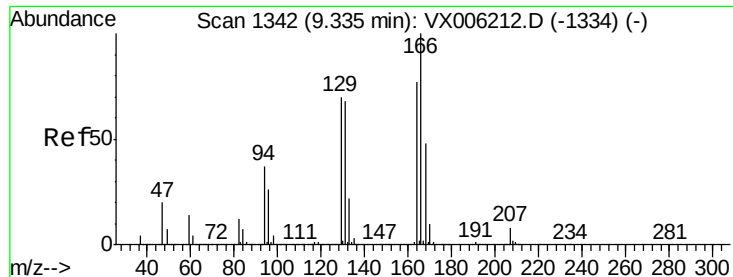
Ion 82.00 (81.70 to 82.70): VX006212.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX006212.D (-1462) (-)

10.12

Time-->

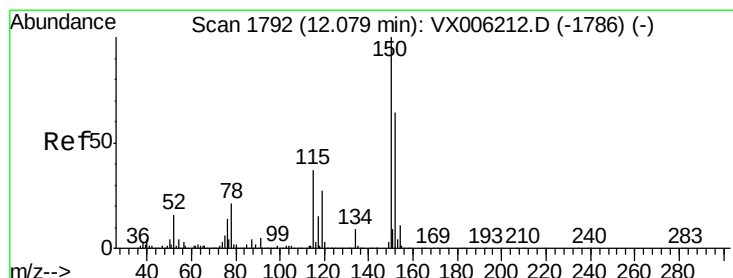
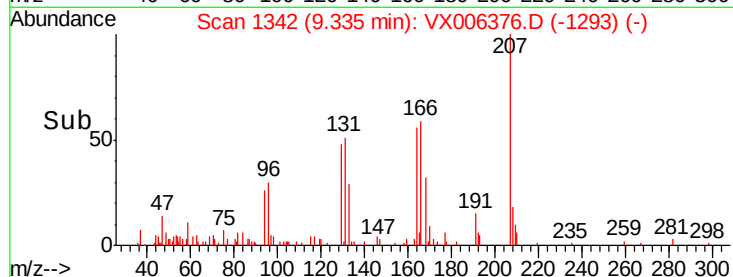
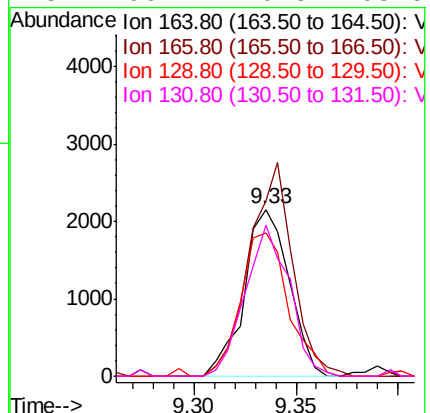
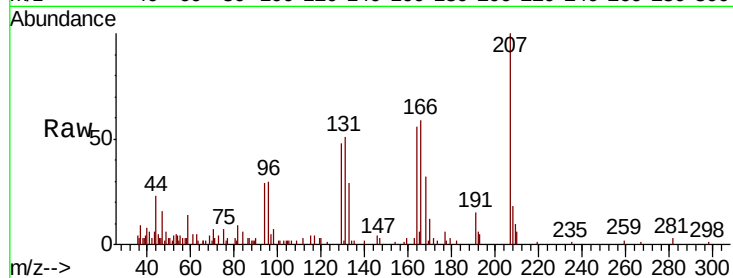




#64
Tetrachloroethene
Concen: 0.425 ug/l
RT: 9.33 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006376.D
Acq: 10 Dec 2018 17:58

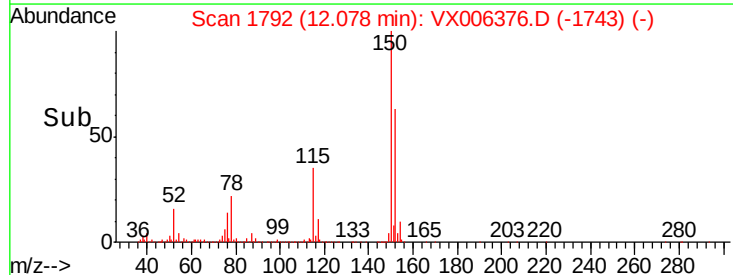
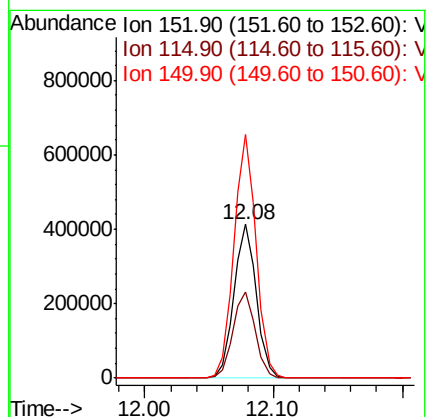
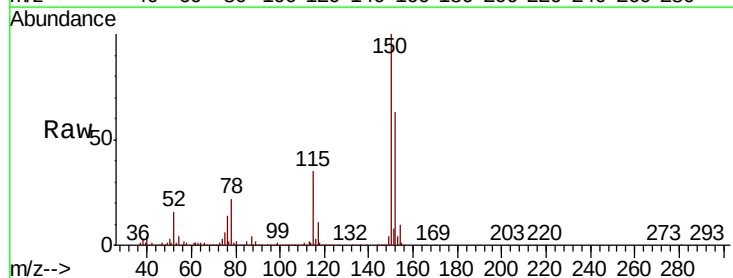
Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW302D-20181205

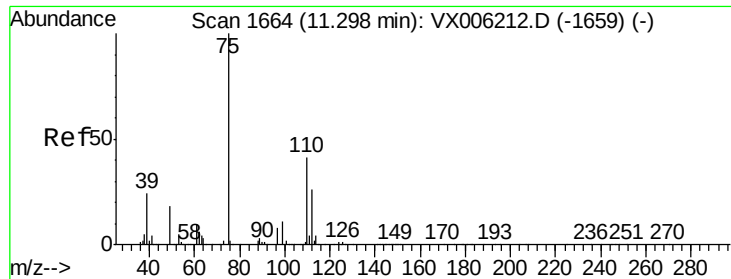
Tot Ion:164	Resp:	3295	
Ion Ratio	Lower	Upper	
164	100		
166	105.5	104.2	156.2
129	85.7	72.6	108.8
131	90.7	70.3	105.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006376.D
Acq: 10 Dec 2018 17:58

Tgt	Ion:152	Resp:	501393
Ion	Ratio	Lower	Upper
152	100		
115	56.0	39.0	116.9
150	157.3	0.0	345.8





#76

1,2,3-Trichloropropane

Concen: 23.254 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006376.D

Acq: 10 Dec 2018 17:58

Instrument :

MSVOA_X

ClientSampleId :

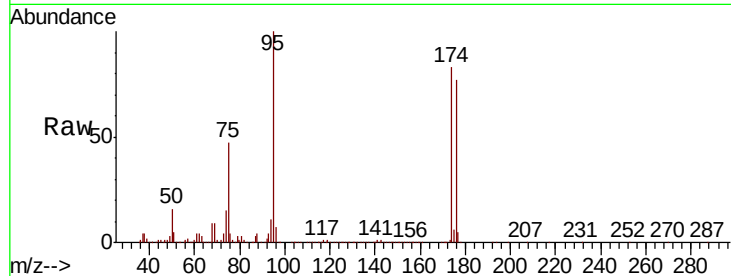
BPS1-TT-MW302D-20181205

Tot Ion: 75 Resp: 225041

Ion Ratio Lower Upper

75 100

77 1.3 19.9 59.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

200000

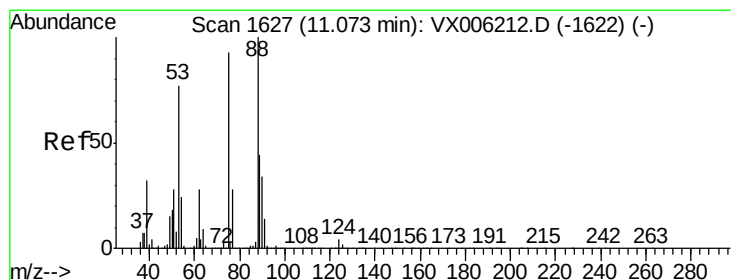
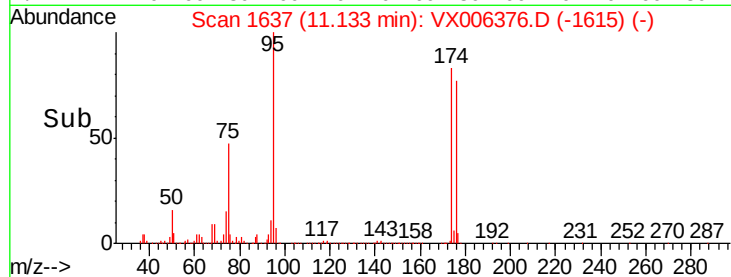
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 54.570 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006376.D

Acq: 10 Dec 2018 17:58

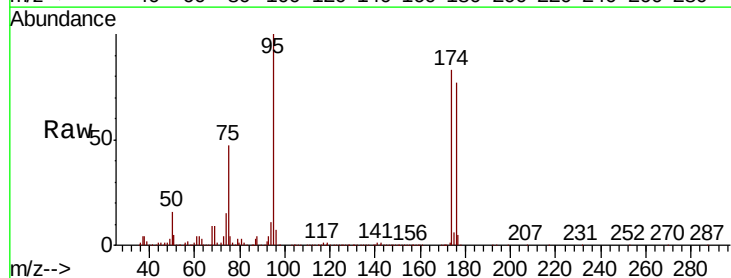
Tgt Ion: 75 Resp: 225041

Ion Ratio Lower Upper

75 100

53 0.1 64.4 96.6#

89 0.0 44.2 66.4#



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

200000

150000

100000

50000

0

Time-->

