

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032419\
 Data File : VX008392.D
 Acq On : 24 Mar 2019 15:18
 Operator : JC/SP
 Sample : K1945-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 M4-T3-UV(PRE)

Quant Time: Mar 25 05:46:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 15:27:34 2019
 Response via : Initial Calibration

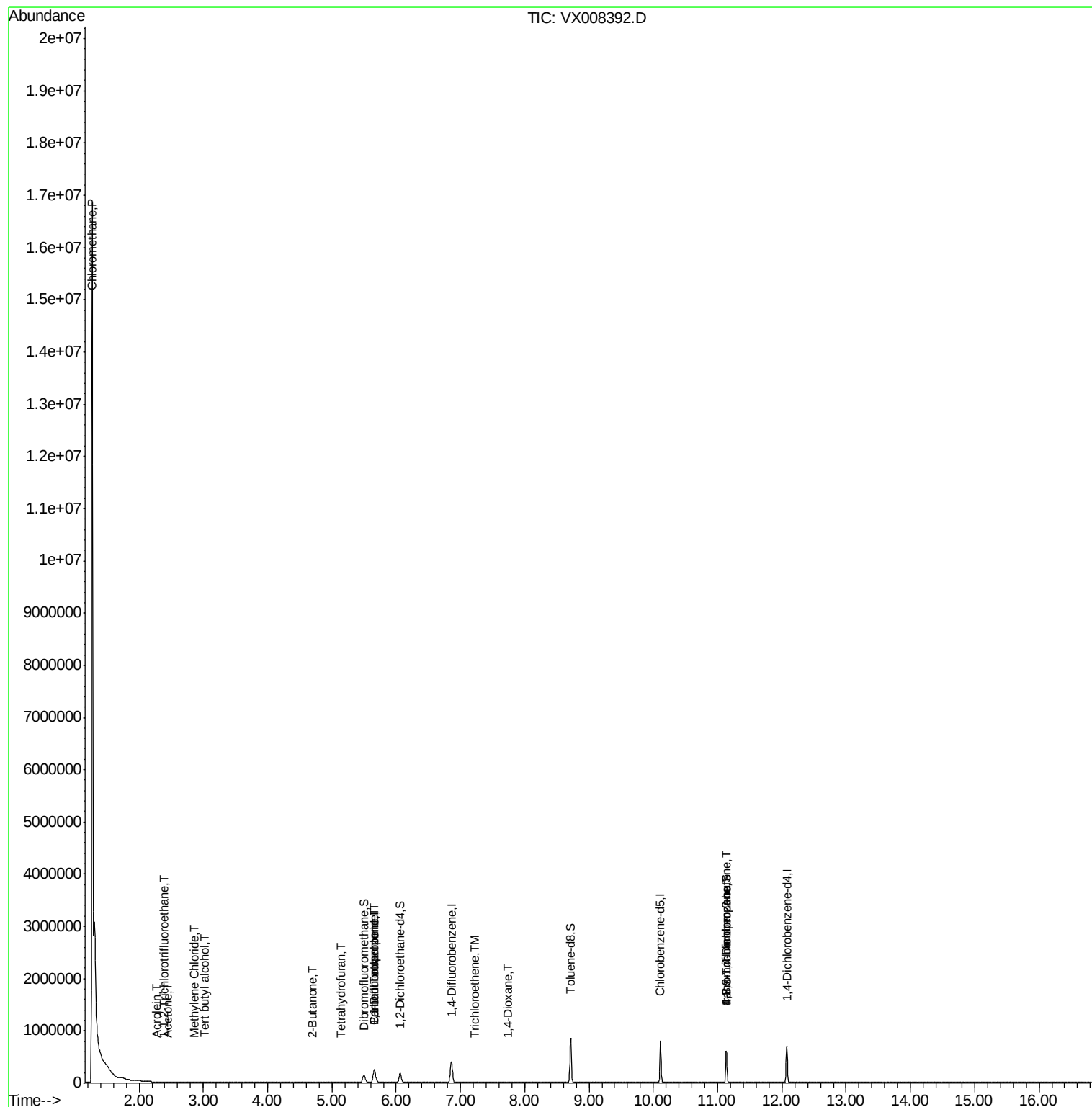
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	226153	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	389854	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	337862	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	138964	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	166832	48.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.74%	
35) Dibromofluoromethane	5.50	113	121478	48.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.18%	
50) Toluene-d8	8.71	98	493661	49.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.82%	
62) 4-Bromofluorobenzene	11.13	95	166500	45.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.78%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.27	50	547604	144.288	ug/l #	42
9) 1,1,2-Trichlorotrifluoroet	2.39	101	985	0.395	ug/l #	90
11) Tert butyl alcohol	3.02	59	6838	8.900	ug/l #	80
13) Acrolein	2.28	56	167	0.254	ug/l #	1
16) Acetone	2.44	43	7999	4.640	ug/l	97
20) Methylene Chloride	2.85	84	881	0.284	ug/l #	68
25) 2-Butanone	4.70	43	1488	0.524	ug/l	96
29) Tetrahydrofuran	5.14	42	2320	1.231	ug/l	94
36) 1,1-Dichloropropene	5.66	75	19385	4.866	ug/l #	49
38) Carbon Tetrachloride	5.66	117	23165	6.784	ug/l #	16
44) Trichloroethene	7.21	130	792	0.281	ug/l	95
49) 1,4-Dioxane	7.75	88	25	0.292	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	86150	23.685	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	86150	67.495	ug/l #	12

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX008392.D

Acq: 24 Mar 2019 15:18

Instrument :

MSVOA_X

ClientSampleId :

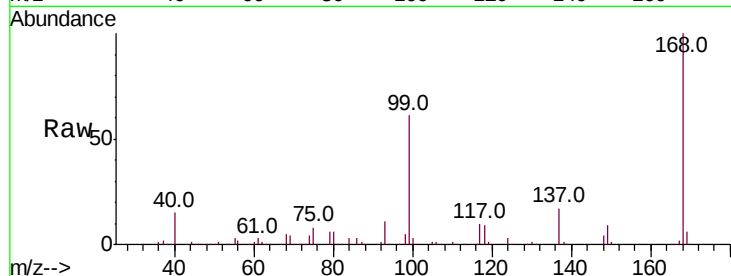
M4-T3-UV(PRE)

Tot Ion:168 Resp: 226153

Ion Ratio Lower Upper

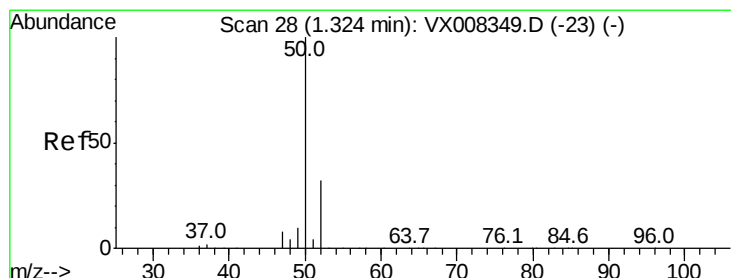
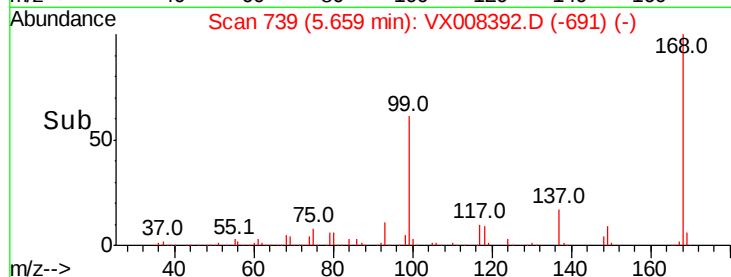
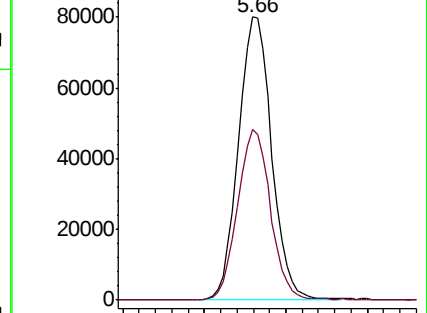
168 100

99 60.4 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 144.288 ug/l

RT: 1.27 min Scan# 19

Delta R.T. -0.05 min

Lab File: VX008392.D

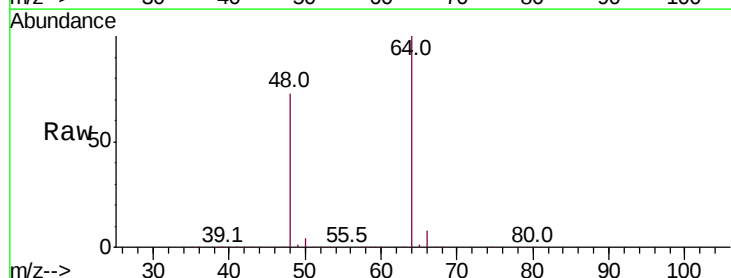
Acq: 24 Mar 2019 15:18

Tgt Ion: 50 Resp: 547604

Ion Ratio Lower Upper

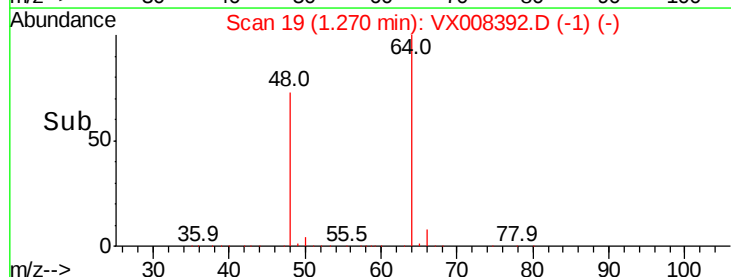
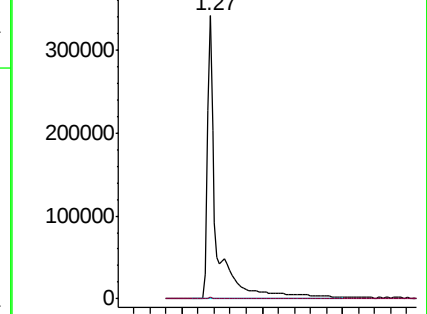
50 100

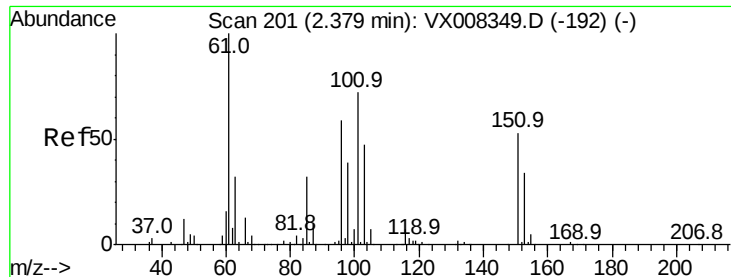
52 0.5 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.395 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX008392.D

Acq: 24 Mar 2019 15:18

Instrument :

MSVOA_X

ClientSampleId :

M4-T3-UV(PRE)

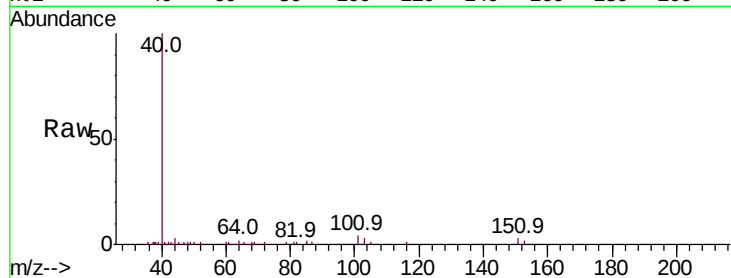
Tot Ion:101 Resp: 985

Ion Ratio Lower Upper

101 100

85 59.1 33.8 50.6#

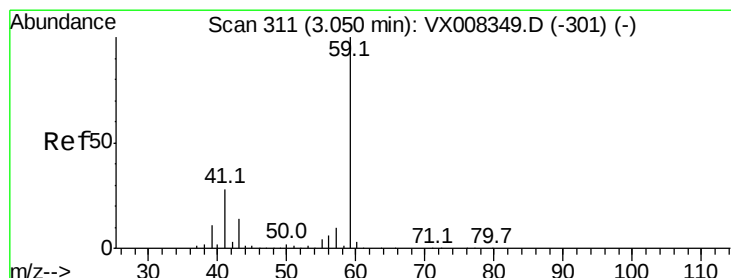
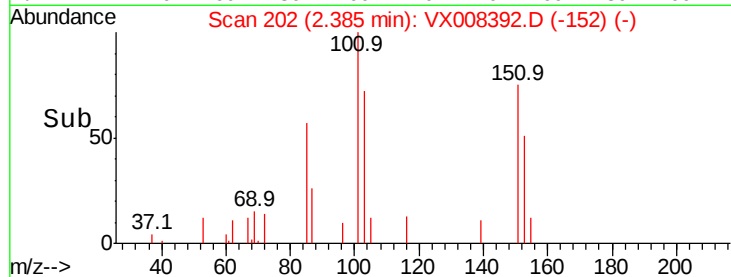
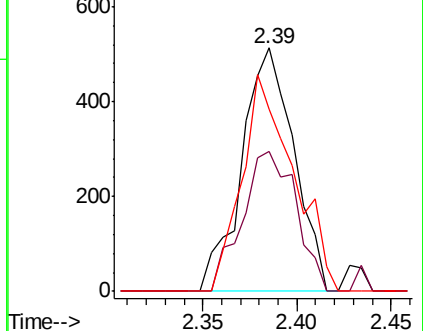
151 87.9 69.1 103.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#11

Tert butyl alcohol

Concen: 8.900 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.03 min

Lab File: VX008392.D

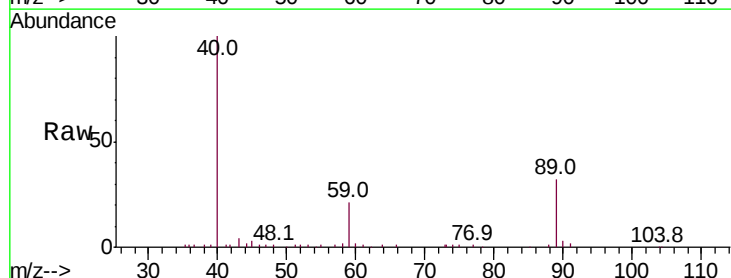
Acq: 24 Mar 2019 15:18

Tgt Ion: 59 Resp: 6838

Ion Ratio Lower Upper

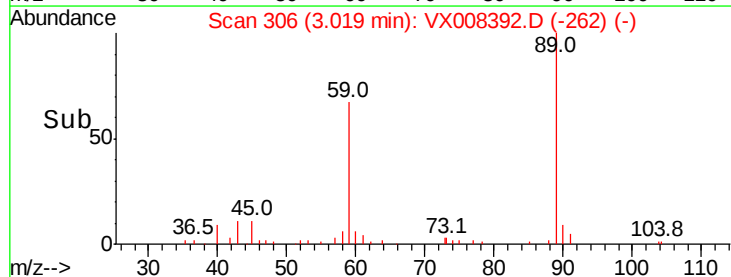
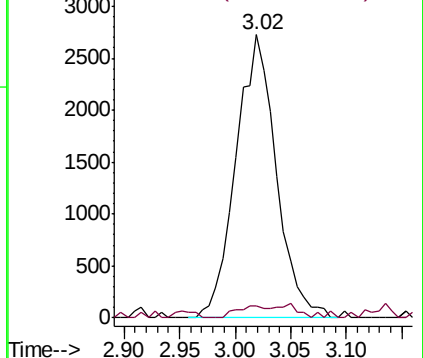
59 100

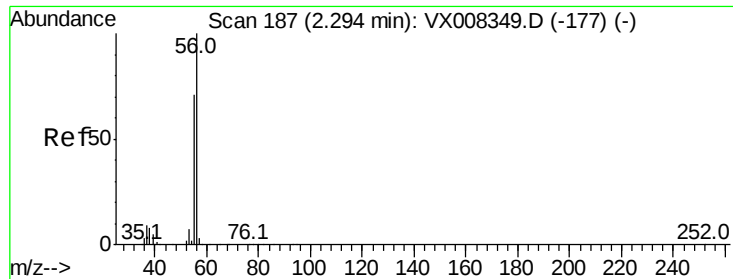
57 2.8 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.254 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX008392.D

Acq: 24 Mar 2019 15:18

Instrument :

MSVOA_X

ClientSampleId :

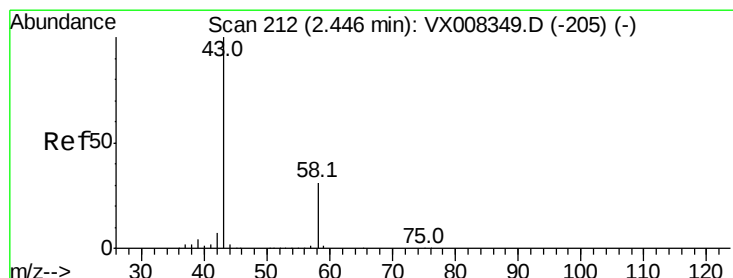
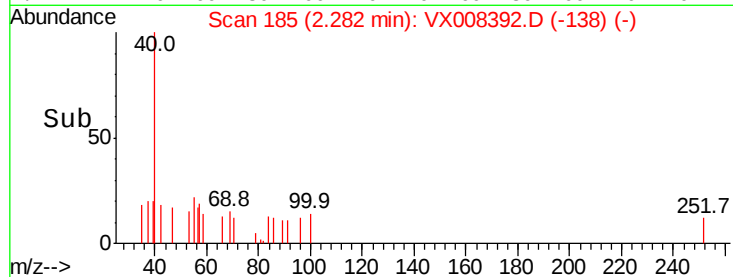
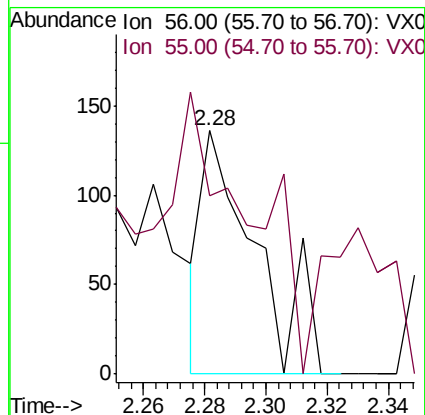
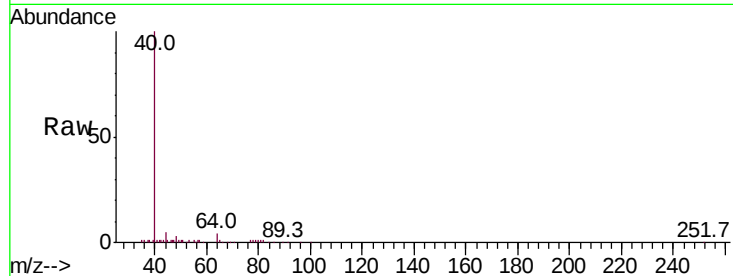
M4-T3-UV(PRE)

Tot Ion: 56 Resp: 167

Ion Ratio Lower Upper

56 100

55 178.4 57.8 86.6#



#16

Acetone

Concen: 4.640 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008392.D

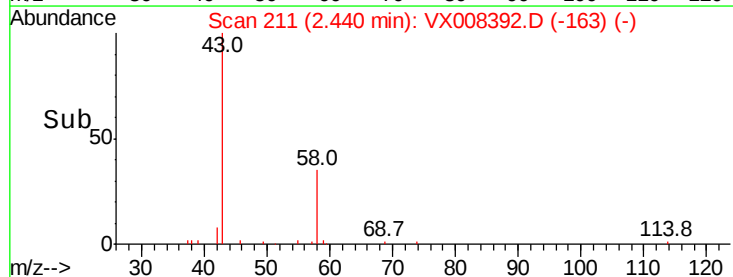
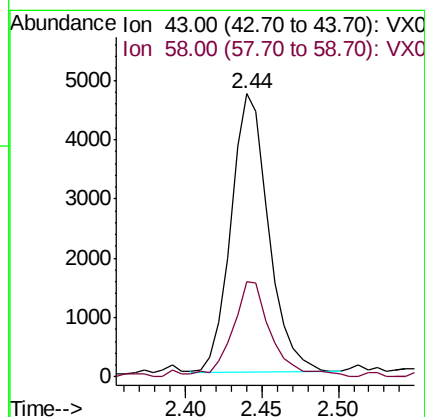
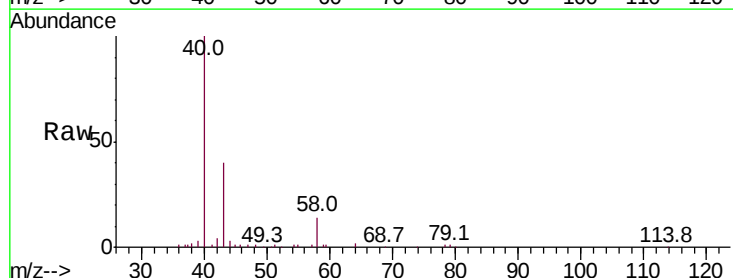
Acq: 24 Mar 2019 15:18

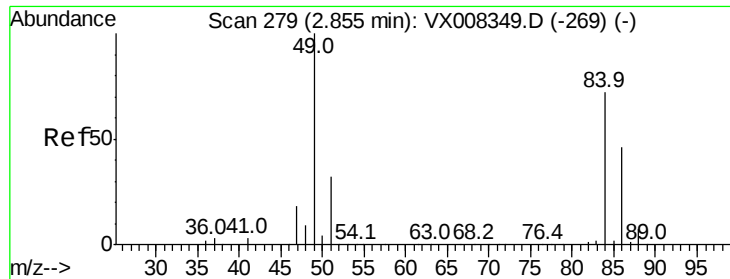
Tgt Ion: 43 Resp: 7999

Ion Ratio Lower Upper

43 100

58 33.3 25.5 38.3

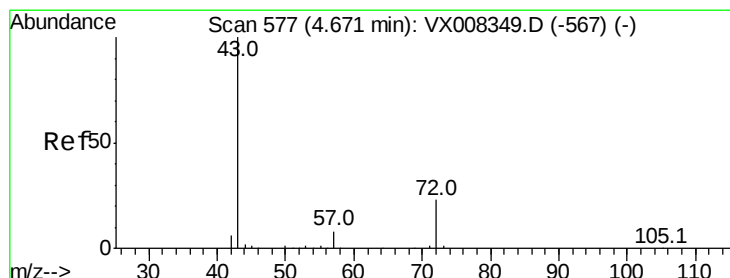
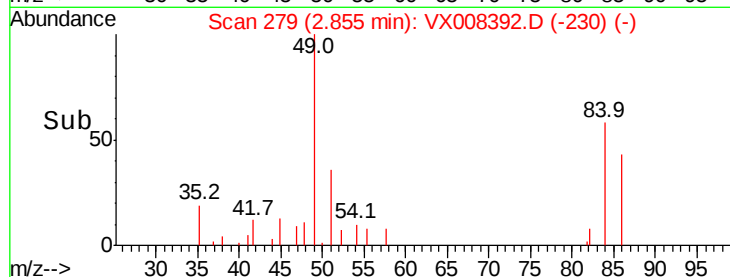
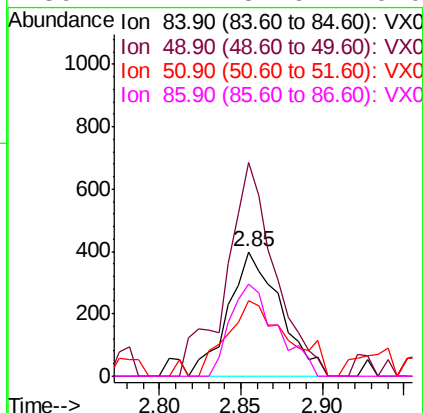
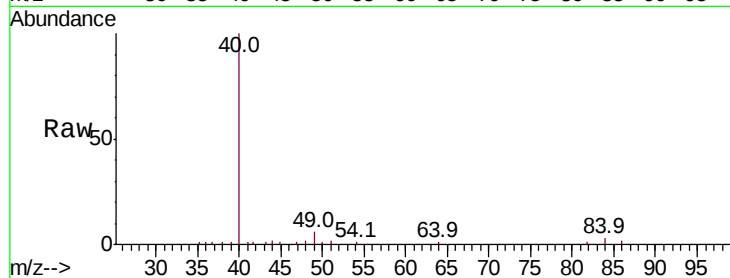




#20
Methvlene Chloride
Concen: 0.284 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX008392.D
Acq: 24 Mar 2019 15:18

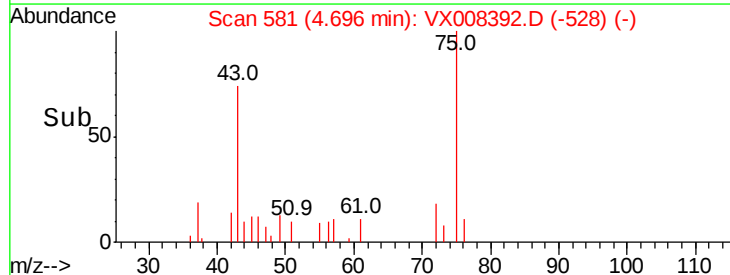
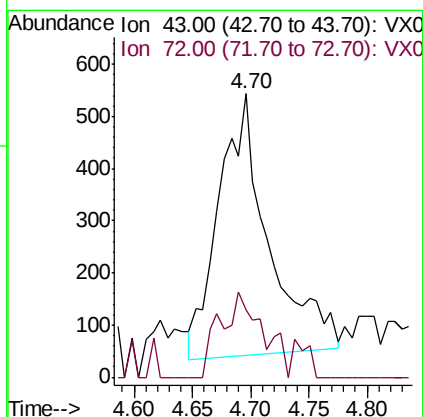
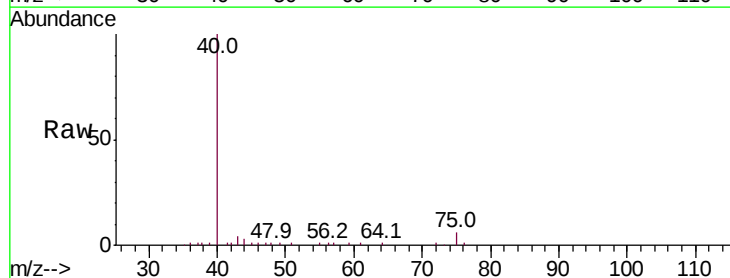
Instrument :
MSVOA_X
ClientSampleId :
M4-T3-UV(PRE)

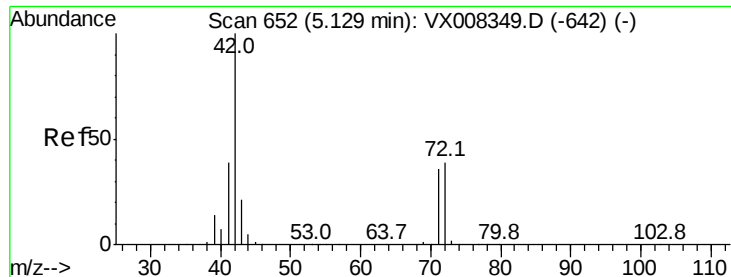
Tot Ion: 84 Resp: 881
Ion Ratio Lower Upper
84 100
49 172.1 99.3 148.9#
51 61.3 31.3 46.9#
86 74.1 52.6 79.0



#25
2-Butanone
Concen: 0.524 ug/l
RT: 4.70 min Scan# 581
Delta R.T. 0.02 min
Lab File: VX008392.D
Acq: 24 Mar 2019 15:18

Tgt Ion: 43 Resp: 1488
Ion Ratio Lower Upper
43 100
72 27.1 19.9 29.9

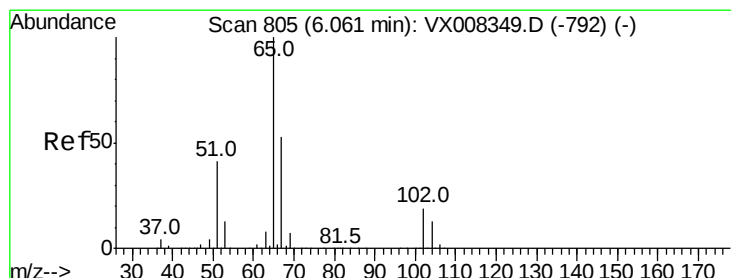
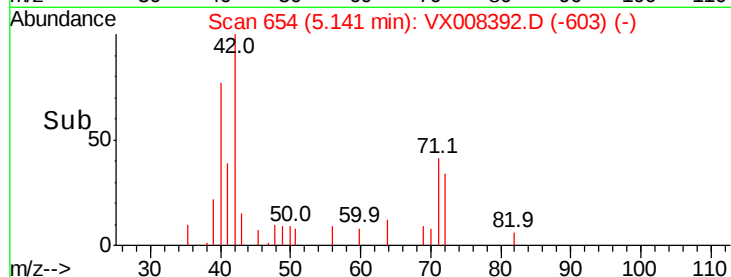
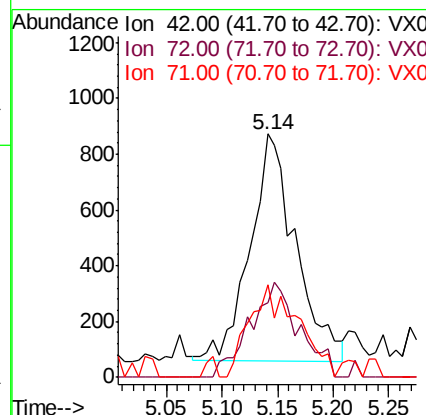
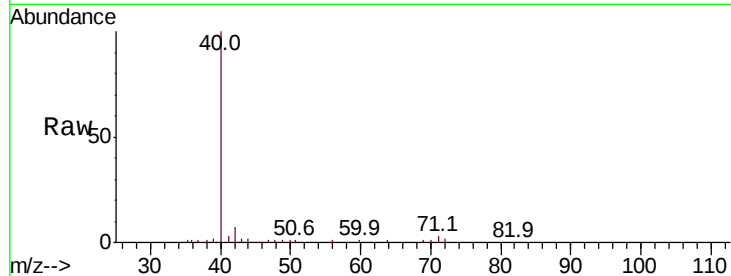




#29
Tetrahydrofuran
Concen: 1.231 ug/l
RT: 5.14 min Scan# 654
Delta R.T. 0.01 min
Lab File: VX008392.D
Acq: 24 Mar 2019 15:18

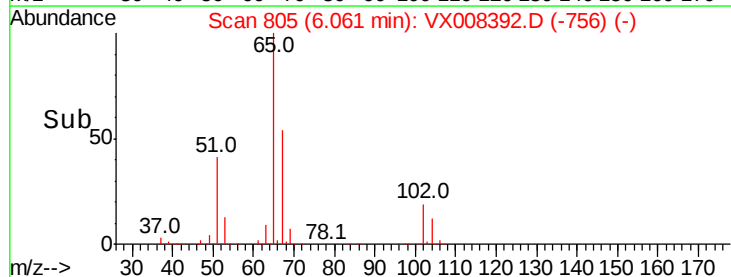
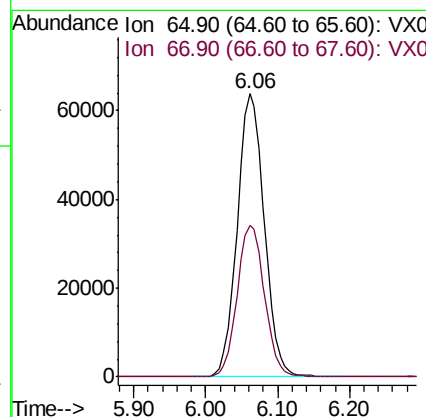
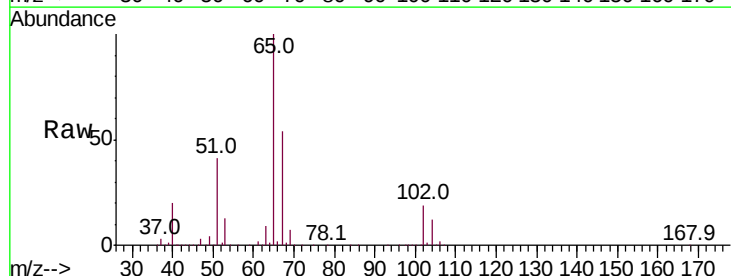
Instrument :
MSVOA_X
ClientSampleId :
M4-T3-UV(PRE)

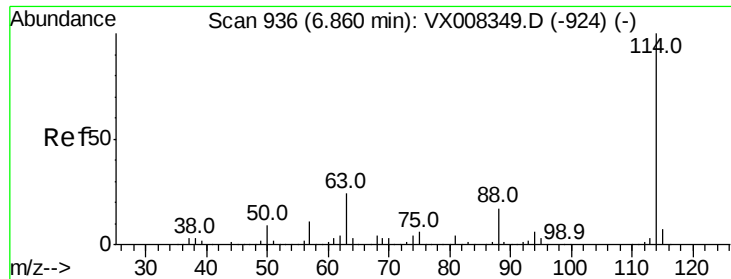
Tot Ion: 42 Resp: 2320
Ion Ratio Lower Upper
42 100
72 45.4 33.8 50.6
71 43.6 31.5 47.3



#33
1,2-Dichloroethane-d4
Concen: 48.367 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX008392.D
Acq: 24 Mar 2019 15:18

Tgt Ion: 65 Resp: 166832
Ion Ratio Lower Upper
65 100
67 54.2 0.0 110.0

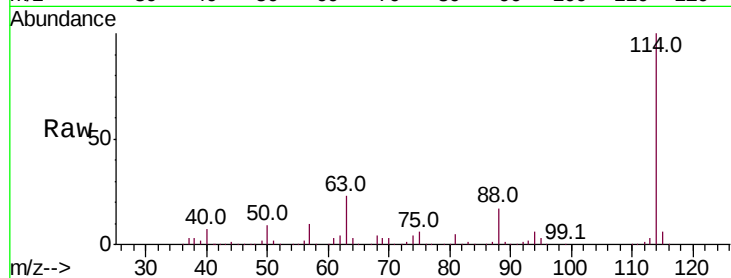




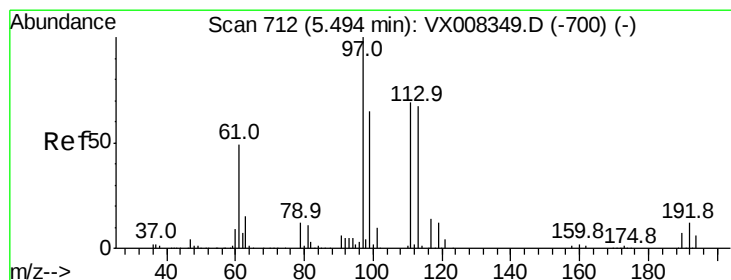
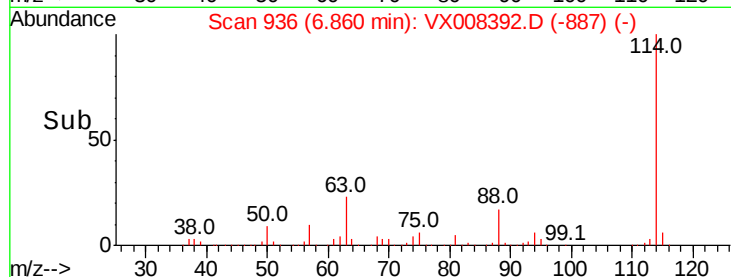
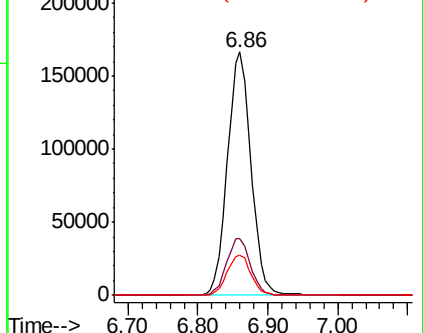
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008392.D
 Acq: 24 Mar 2019 15:18

Instrument :
 MSVOA_X
 ClientSampleId :
 M4-T3-UV(PRE)

Tot Ion:114 Resp: 389854
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 39.8
 88 16.6 0.0 31.4

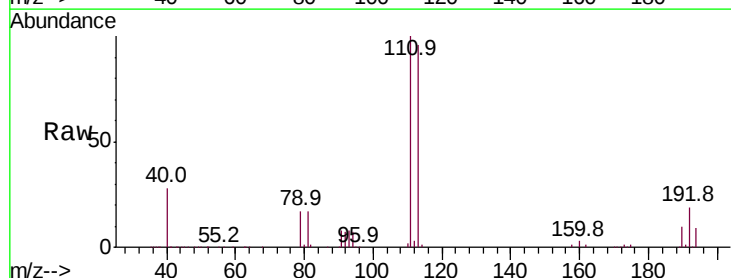


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

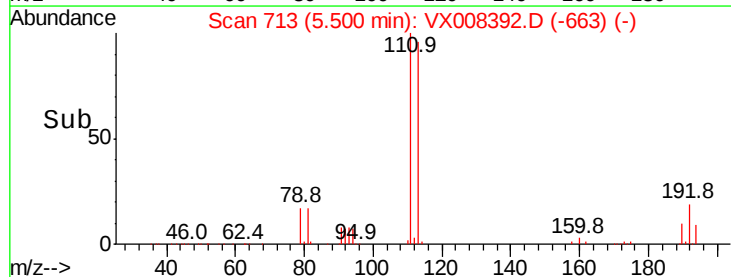
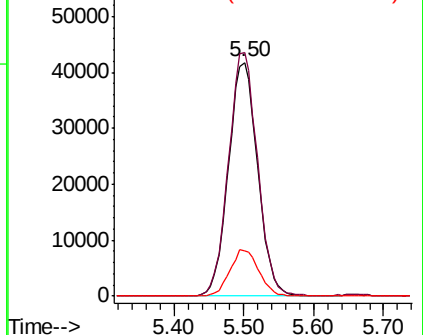


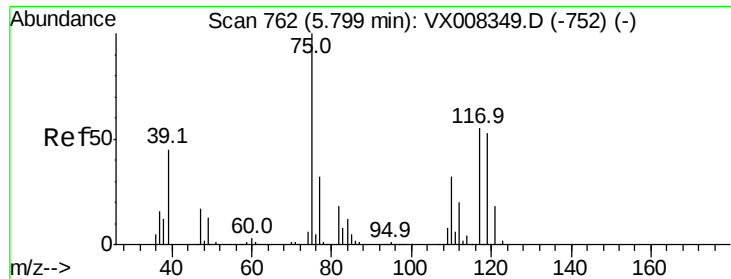
#35
 Dibromofluoromethane
 Concen: 48.094 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX008392.D
 Acq: 24 Mar 2019 15:18

Tgt Ion:113 Resp: 121478
 Ion Ratio Lower Upper
 113 100
 111 103.6 81.4 122.0
 192 19.6 19.4 29.0



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

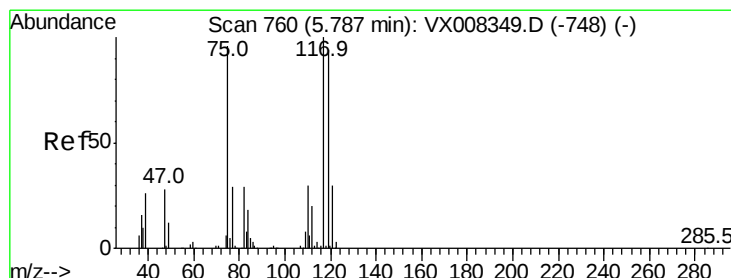
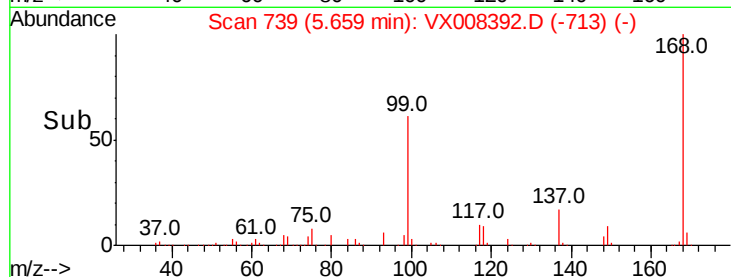
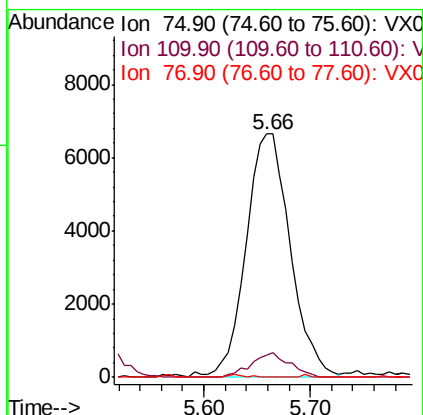
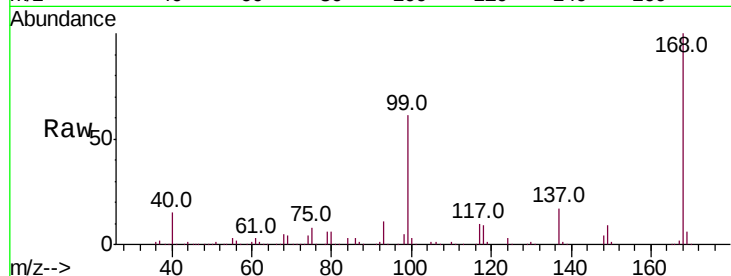




#36
 1,1-Dichloropropene
 Concen: 4.866 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008392.D
 Acq: 24 Mar 2019 15:18

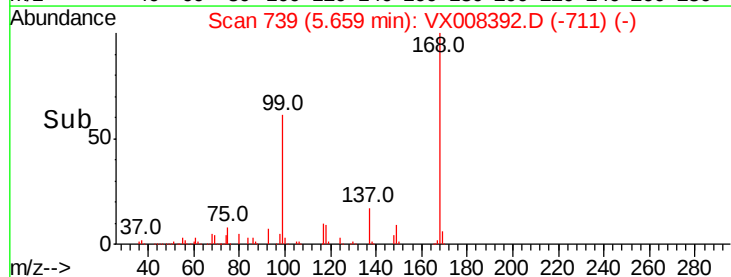
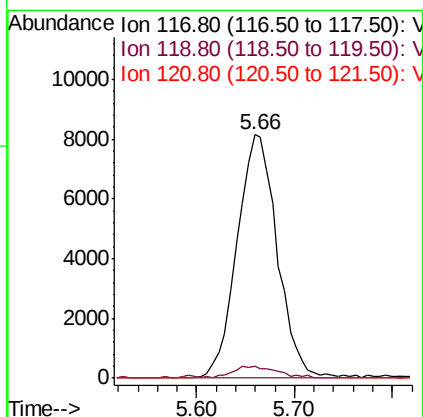
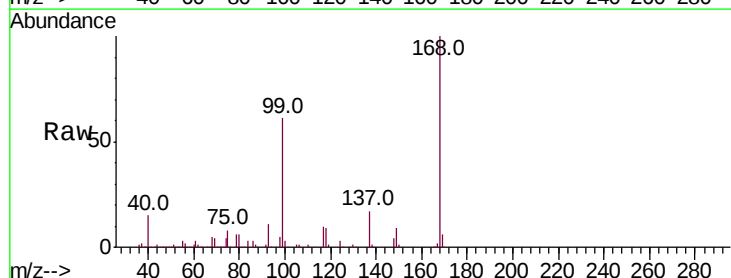
Instrument :
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 M4-T3-UV(PRE)

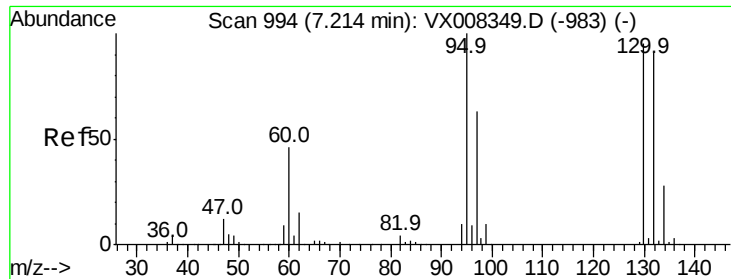
Tot Ion: 75 Resp: 19385
 Ion Ratio Lower Upper
 75 100
 110 8.9 18.4 55.0#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 6.784 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX008392.D
 Acq: 24 Mar 2019 15:18

Tgt Ion: 117 Resp: 23165
 Ion Ratio Lower Upper
 117 100
 119 5.1 76.2 114.2#
 121 0.0 24.6 36.8#





#44

Trichloroethene

Concen: 0.281 ug/l

RT: 7.21 min Scan# 993

Delta R.T. -0.01 min

Lab File: VX008392.D

Acq: 24 Mar 2019 15:18

Instrument :

MSVOA_X

ClientSampleId :

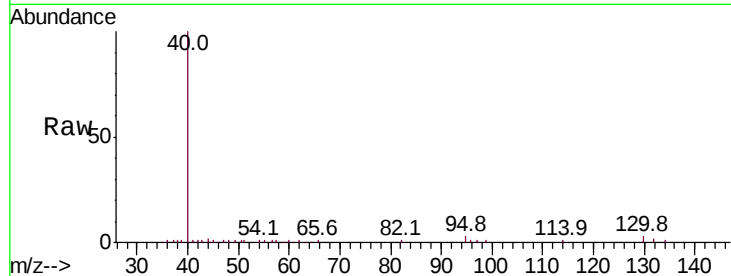
M4-T3-UV(PRE)

Tot Ion:130 Resp: 792

Ion Ratio Lower Upper

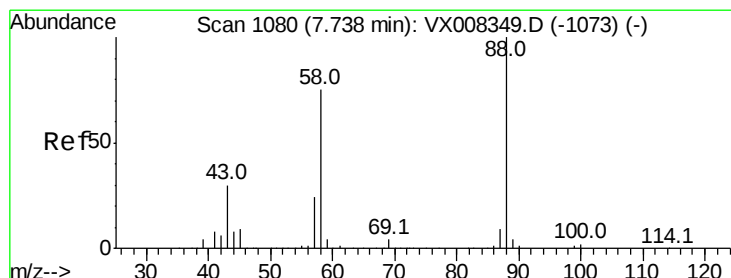
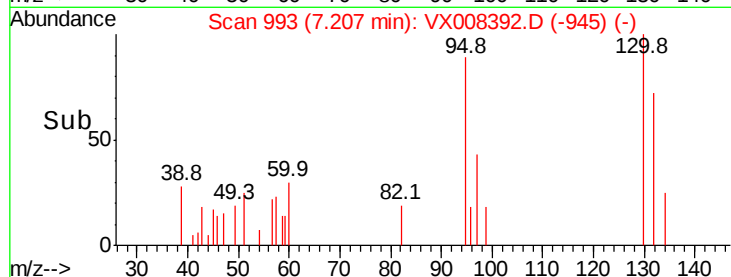
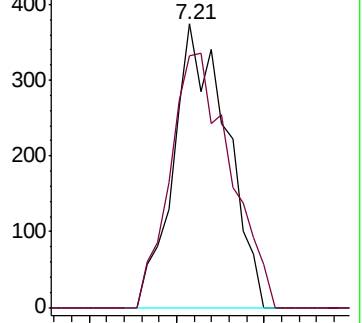
130 100

95 89.0 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 0.292 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.01 min

Lab File: VX008392.D

Acq: 24 Mar 2019 15:18

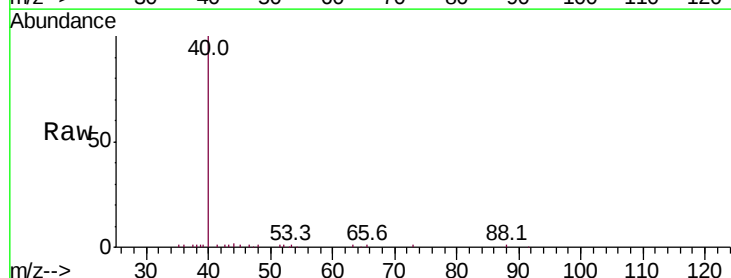
Tgt Ion: 88 Resp: 25

Ion Ratio Lower Upper

88 100

43 764.0 25.1 37.7#

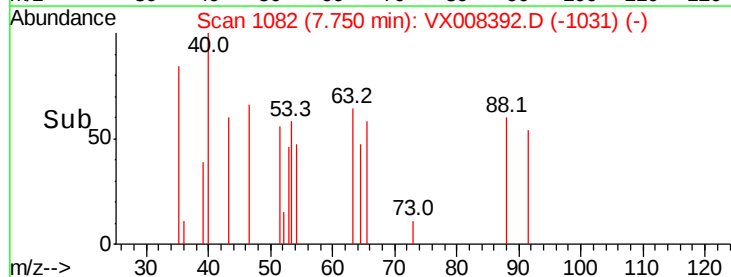
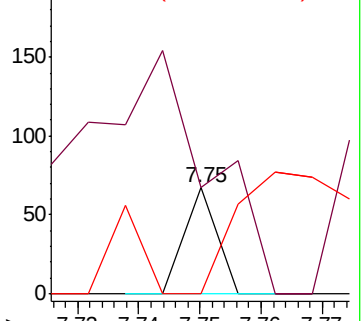
58 80.0 57.8 86.6

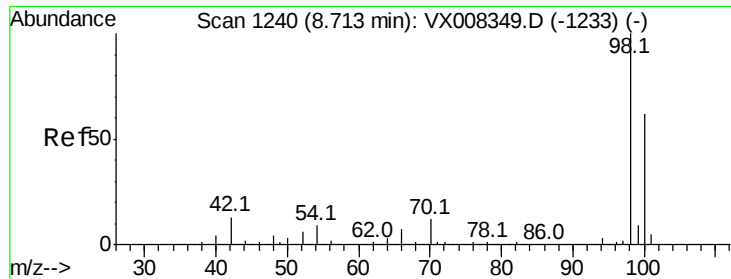


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

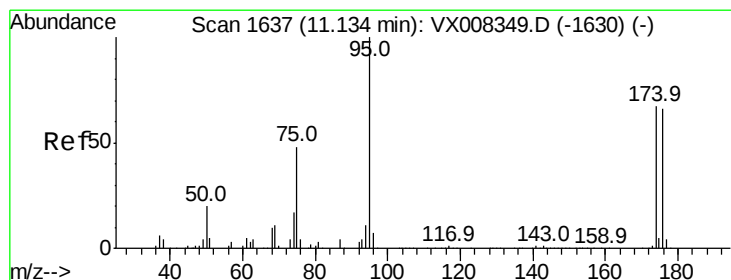
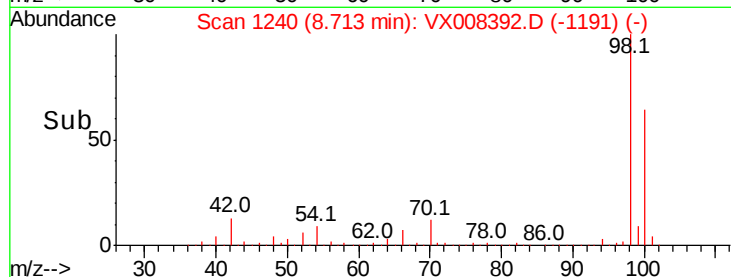
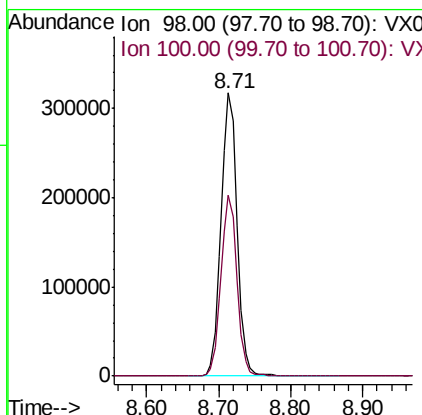
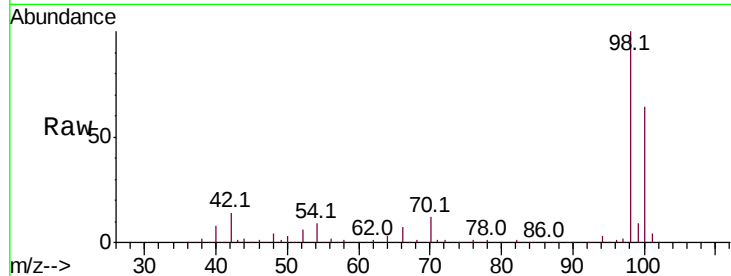




#50
Toluene-d8
Concen: 49.413 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008392.D
Acq: 24 Mar 2019 15:18

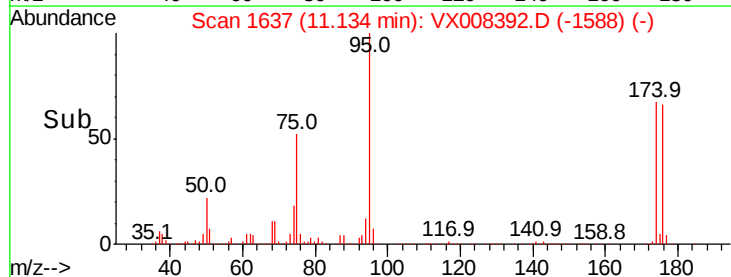
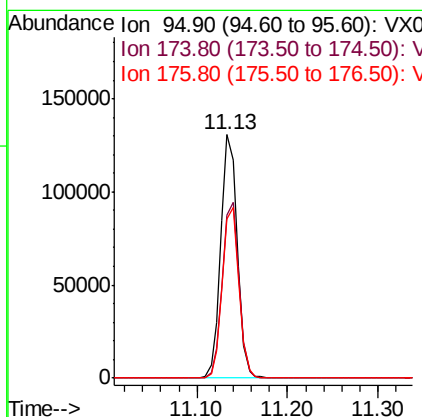
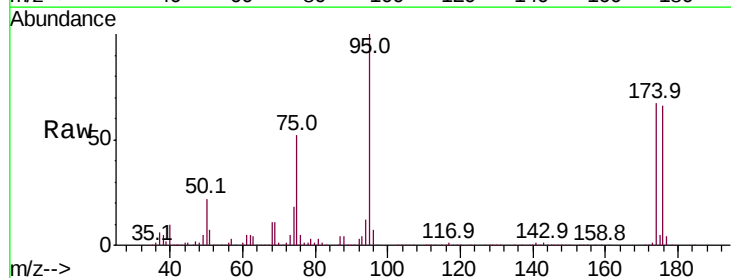
Instrument :
MSVOA_X
ClientSampleId :
M4-T3-UV(PRE)

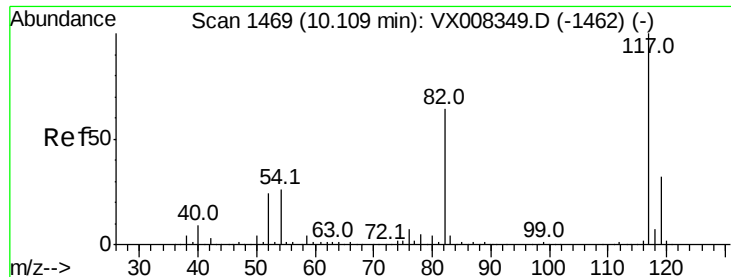
Tot Ion: 98 Resp: 493661
Ion Ratio Lower Upper
98 100
100 63.7 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 45.391 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008392.D
Acq: 24 Mar 2019 15:18

Tgt Ion: 95 Resp: 166500
Ion Ratio Lower Upper
95 100
174 73.3 0.0 182.8
176 70.7 0.0 178.0

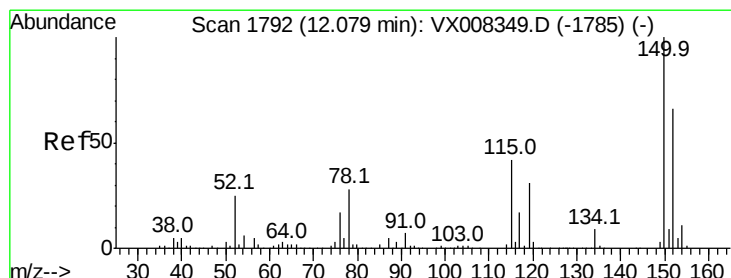
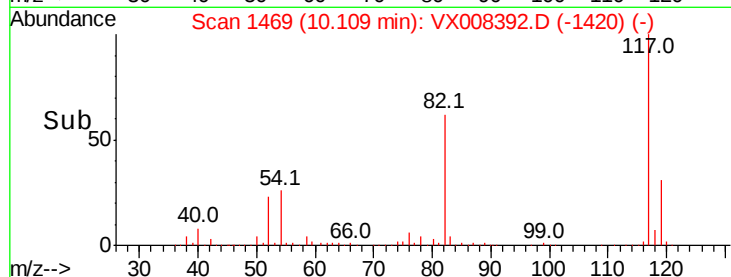
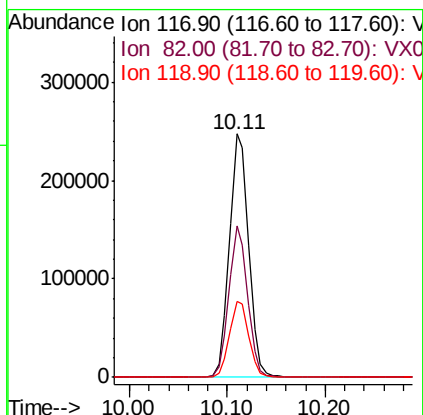
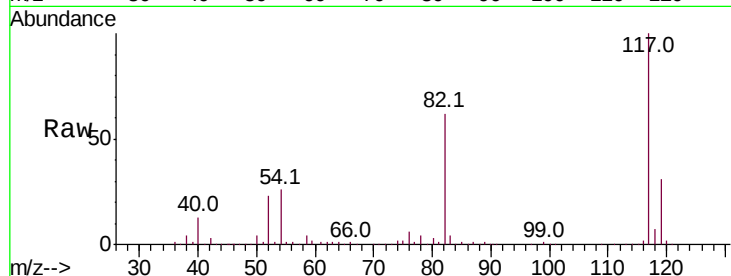




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008392.D
Acq: 24 Mar 2019 15:18

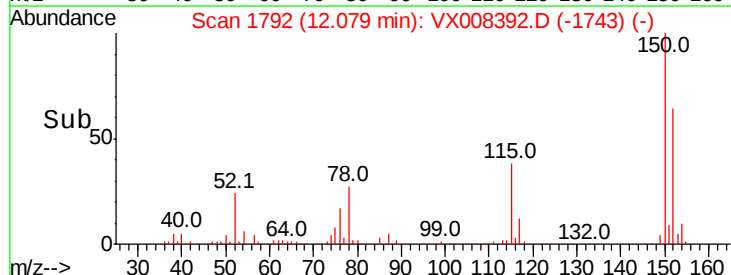
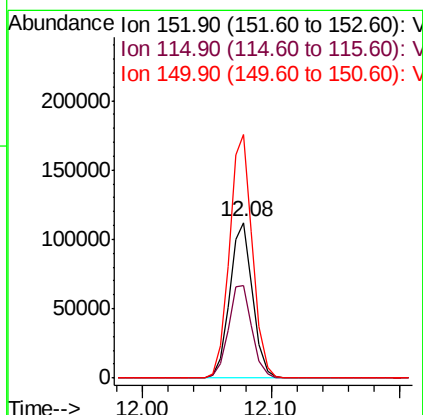
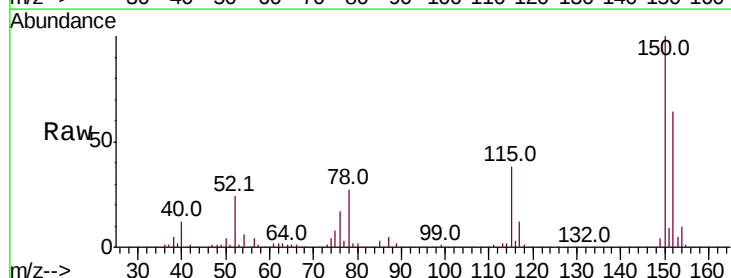
Instrument :
MSVOA_X
ClientSampleId :
M4-T3-UV(PRE)

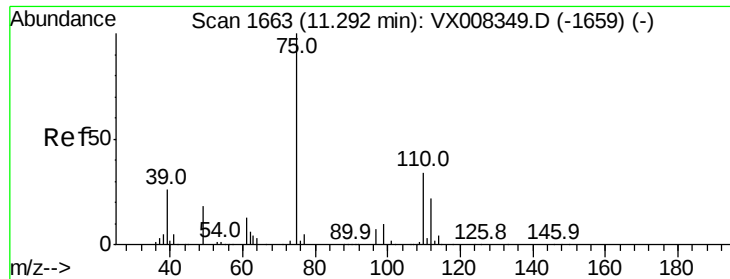
Tot Ion:117 Resp: 337862
Ion Ratio Lower Upper
117 100
82 62.1 44.3 66.5
119 31.2 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008392.D
Acq: 24 Mar 2019 15:18

Tgt Ion:152 Resp: 138964
Ion Ratio Lower Upper
152 100
115 61.5 38.6 115.7
150 157.4 0.0 348.4





#76

1,2,3-Trichloropropane

Concen: 23.685 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008392.D

Acq: 24 Mar 2019 15:18

Instrument :

MSVOA_X

ClientSampleId :

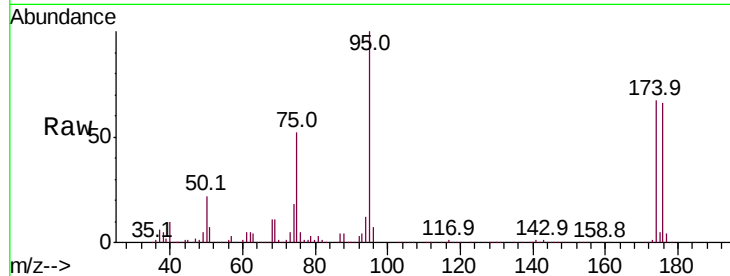
M4-T3-UV(PRE)

Tot Ion: 75 Resp: 86150

Ion Ratio Lower Upper

75 100

77 1.5 18.9 56.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

80000

60000

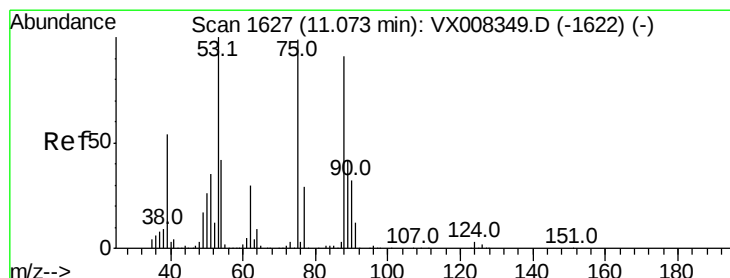
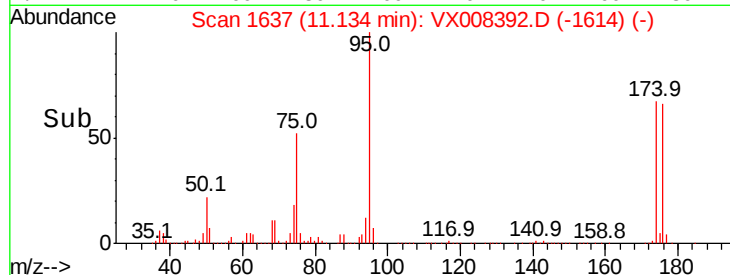
40000

20000

0

Time-->

11.10 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 67.495 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008392.D

Acq: 24 Mar 2019 15:18

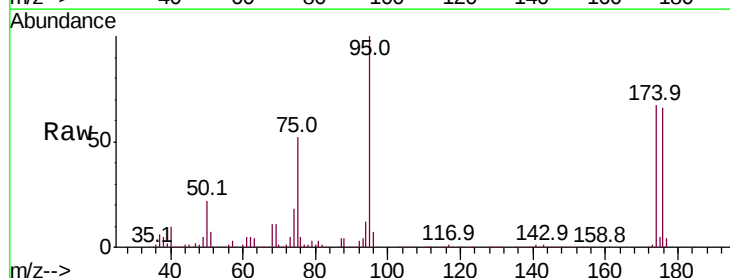
Tgt Ion: 75 Resp: 86150

Ion Ratio Lower Upper

75 100

53 0.1 76.1 114.1#

89 0.0 36.3 54.5#



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

80000

60000

40000

20000

0

Time-->

11.10 11.20

