

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071019\
 Data File : VX010781.D
 Acq On : 10 Jul 2019 16:46
 Operator : JC/SP
 Sample : K3732-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY030LC051-SW-190709

Quant Time: Jul 11 01:16:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	216467	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	340433	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	309133	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	140425	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	110835	54.61	ug/l	0.00
Spiked Amount			Recovery	=	109.22%	
35) Dibromofluoromethane	5.50	113	104607	50.22	ug/l	0.00
Spiked Amount			Recovery	=	100.44%	
50) Toluene-d8	8.71	98	404437	50.75	ug/l	0.00
Spiked Amount			Recovery	=	101.50%	
62) 4-Bromofluorobenzene	11.13	95	133721	46.48	ug/l	0.00
Spiked Amount			Recovery	=	92.96%	

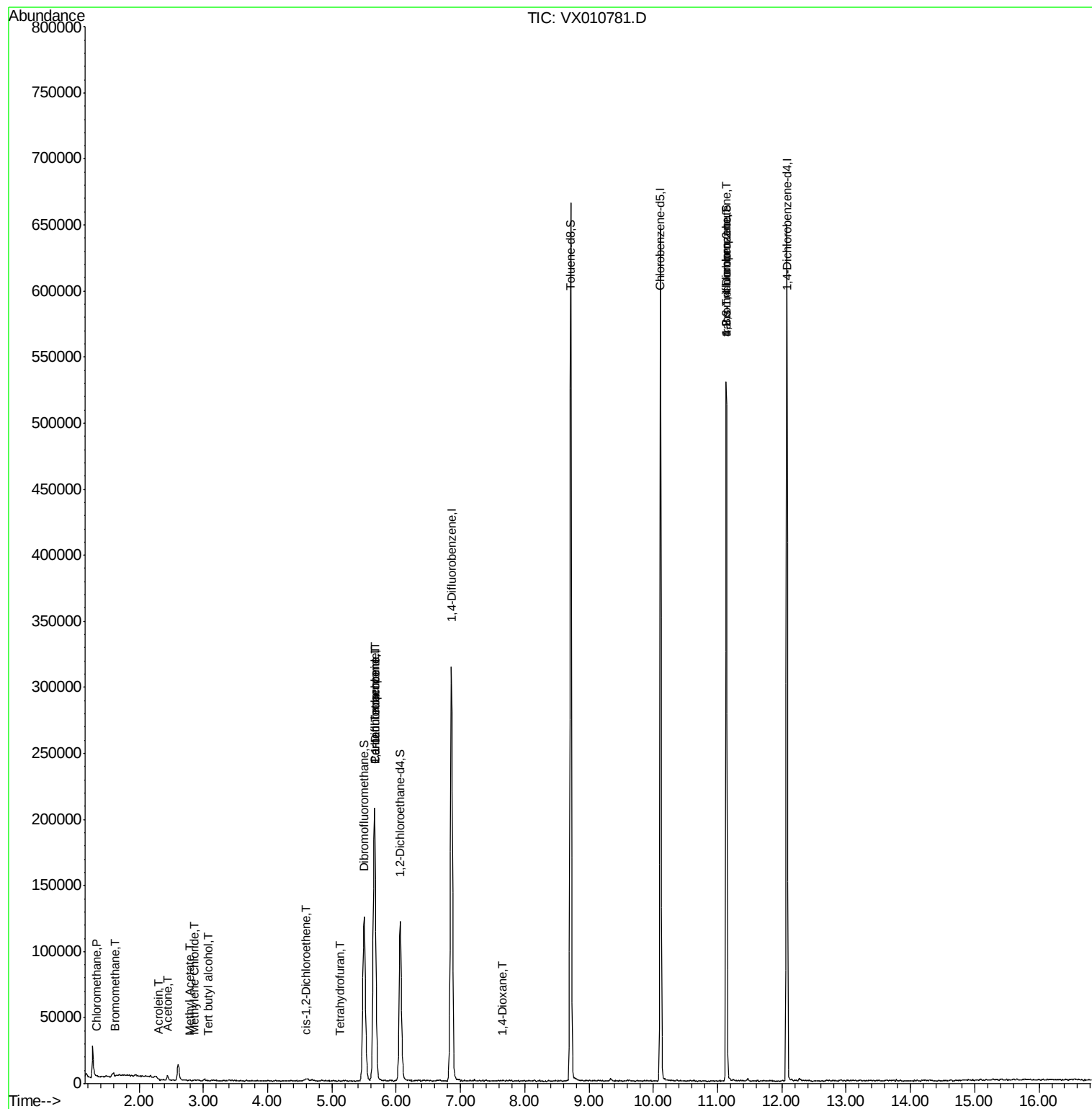
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1051	0.600	ug/l #	74
5) Bromomethane	1.62	94	223	0.238	ug/l #	2
11) Tert butyl alcohol	3.07	59	172	0.324	ug/l #	1
13) Acrolein	2.30	56	136	0.386	ug/l #	14
16) Acetone	2.45	43	3617	3.556	ug/l	92
18) Methyl Acetate	2.78	43	713	0.352	ug/l #	60
20) Methylene Chloride	2.85	84	459	0.219	ug/l #	72
27) cis-1,2-Dichloroethene	4.60	96	637	0.273	ug/l	28
29) Tetrahydrofuran	5.12	42	333	0.360	ug/l #	28
36) 1,1-Dichloropropene	5.66	75	13739	5.079	ug/l #	48
38) Carbon Tetrachloride	5.66	117	19158	6.540	ug/l #	16
49) 1,4-Dioxane	7.65	88	40	0.649	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	65831	25.726	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	65831	60.016	ug/l #	16

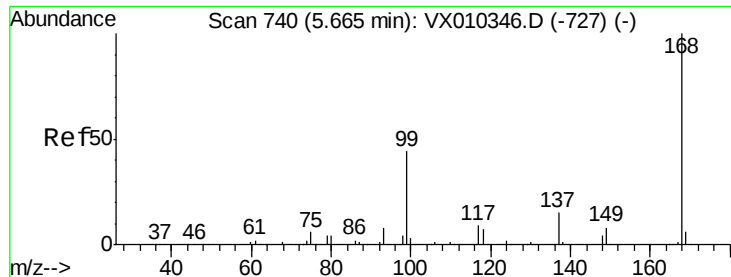
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX010781.D

Acq: 10 Jul 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

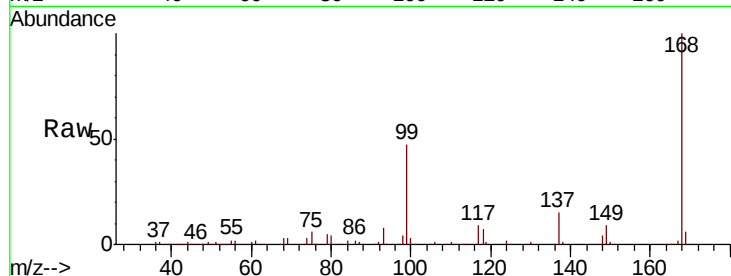
KY030LC051-SW-190709

Tot Ion:168 Resp: 216467

Ion Ratio Lower Upper

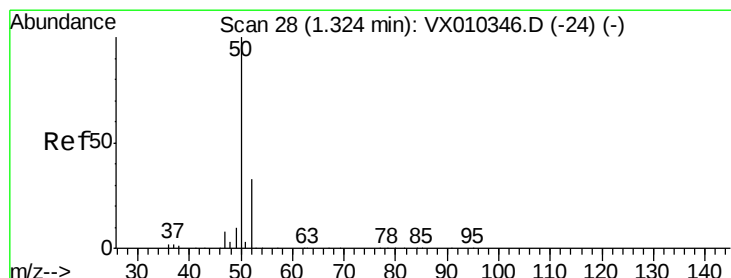
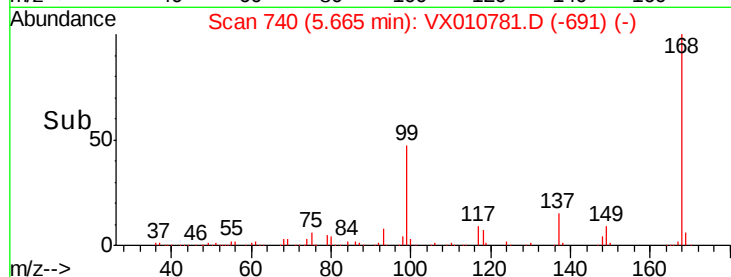
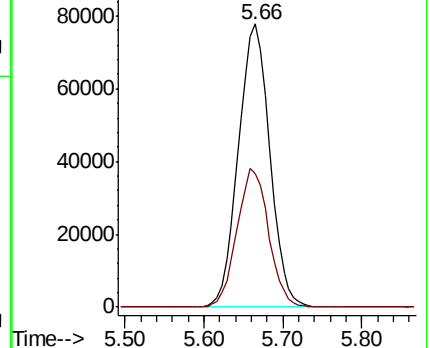
168 100

99 47.1 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.600 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010781.D

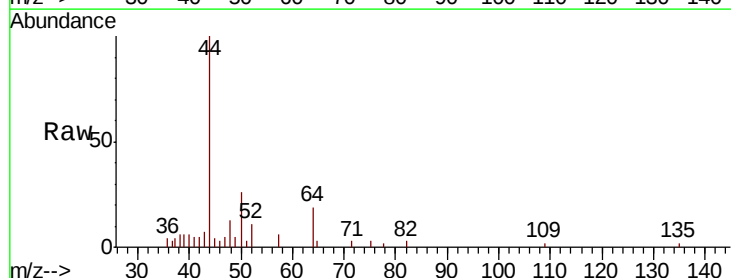
Acq: 10 Jul 2019 16:46

Tgt Ion: 50 Resp: 1051

Ion Ratio Lower Upper

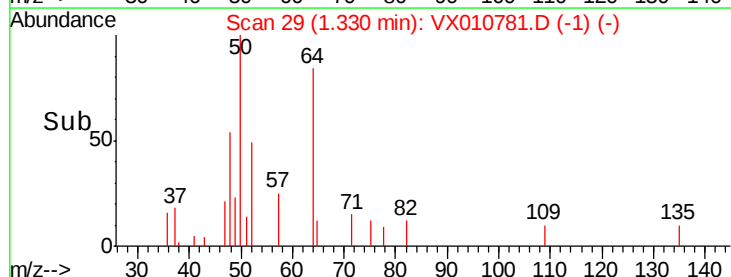
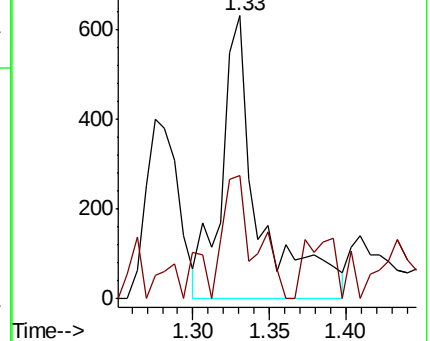
50 100

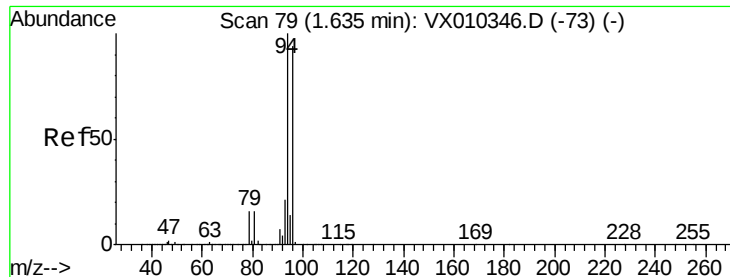
52 47.9 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.238 ug/l

RT: 1.62 min Scan# 77

Delta R.T. -0.01 min

Lab File: VX010781.D

Acq: 10 Jul 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

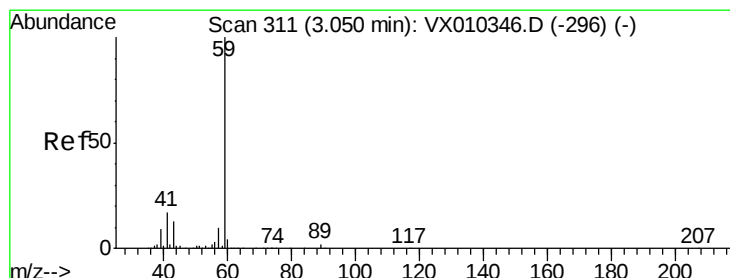
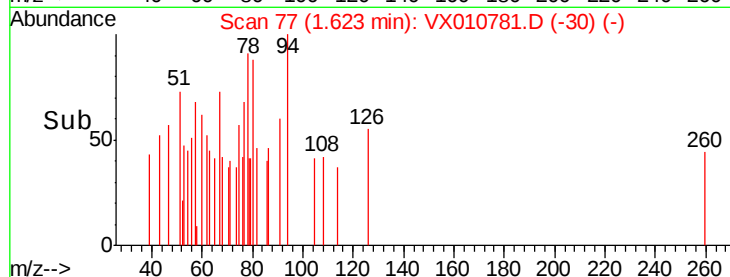
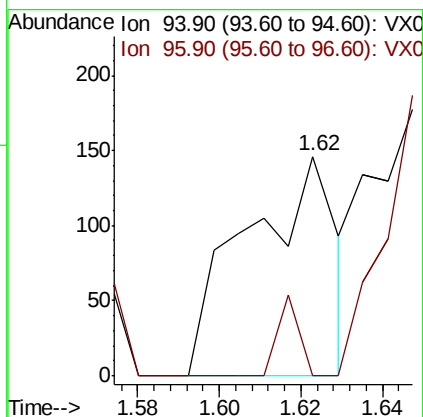
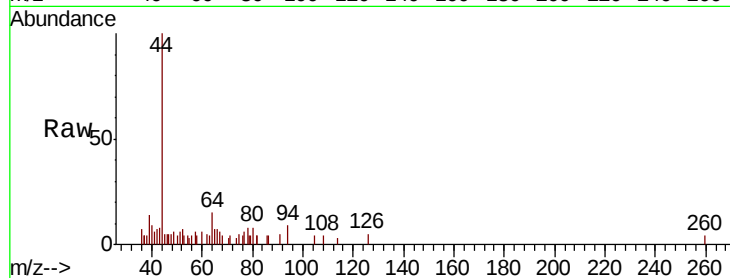
KY030LC051-SW-190709

Tot Ion: 94 Resp: 223

Ion Ratio Lower Upper

94 100

96 0.0 75.5 113.3#



#11

Tert butyl alcohol

Concen: 0.324 ug/l

RT: 3.07 min Scan# 315

Delta R.T. 0.02 min

Lab File: VX010781.D

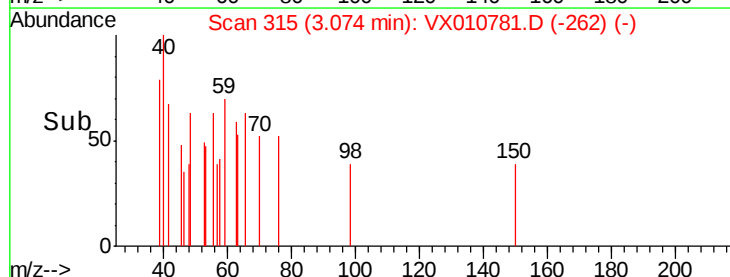
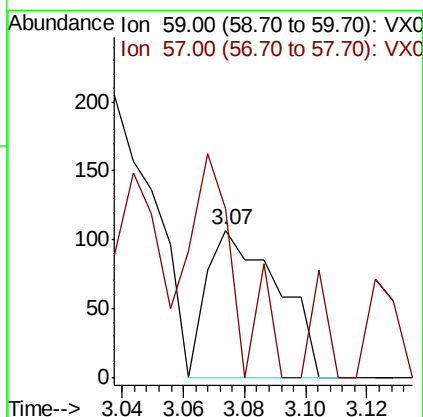
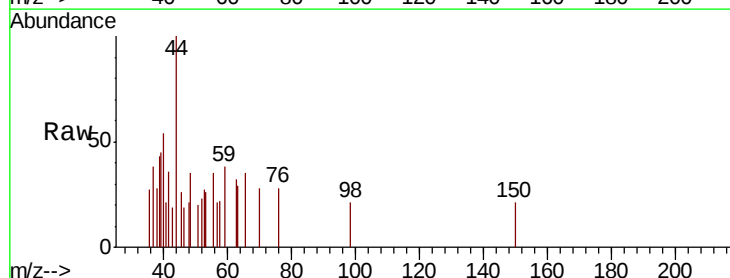
Acq: 10 Jul 2019 16:46

Tgt Ion: 59 Resp: 172

Ion Ratio Lower Upper

59 100

57 97.1 7.7 11.5#





#13

Acrolein

Concen: 0.386 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX010781.D

Acq: 10 Jul 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

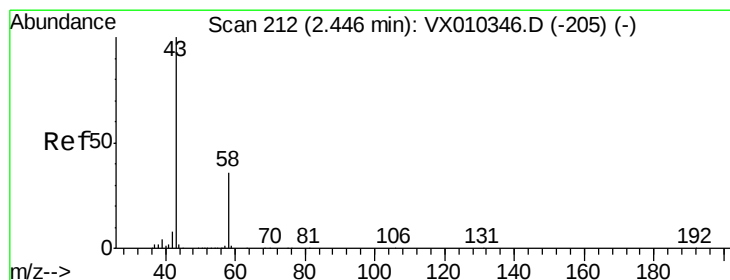
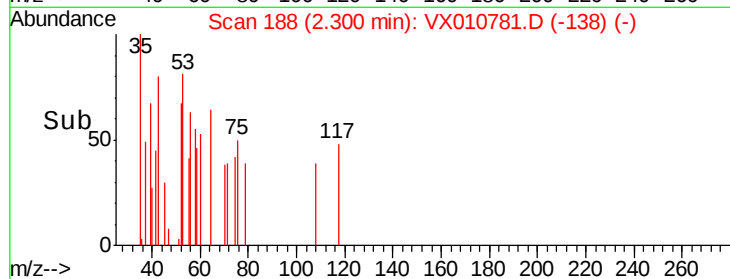
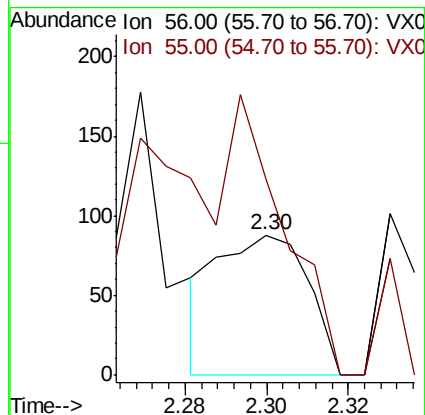
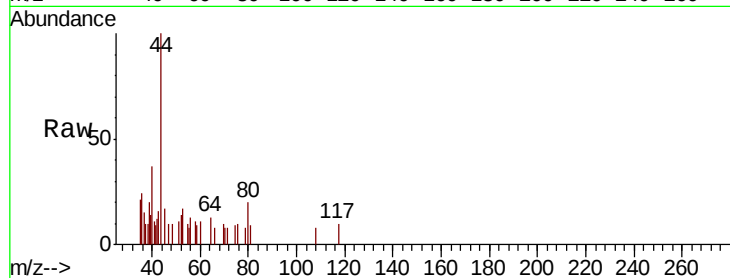
KY030LC051-SW-190709

Tot Ion: 56 Resp: 136

Ion Ratio Lower Upper

56 100

55 0.0 56.9 85.3#



#16

Acetone

Concen: 3.556 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX010781.D

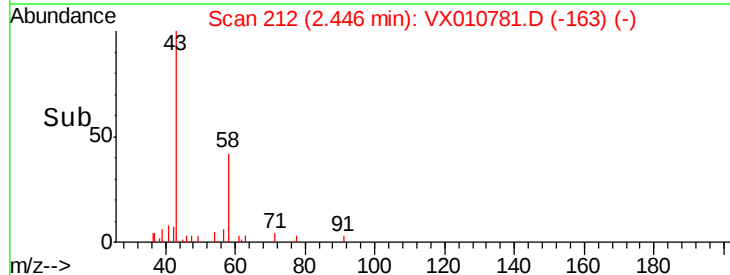
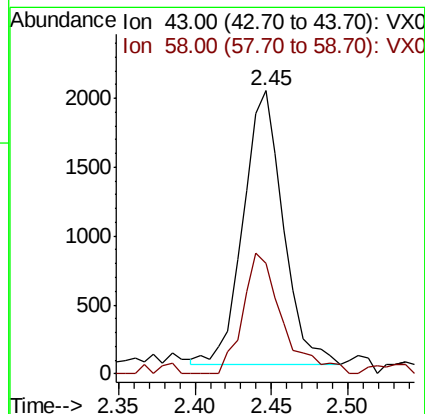
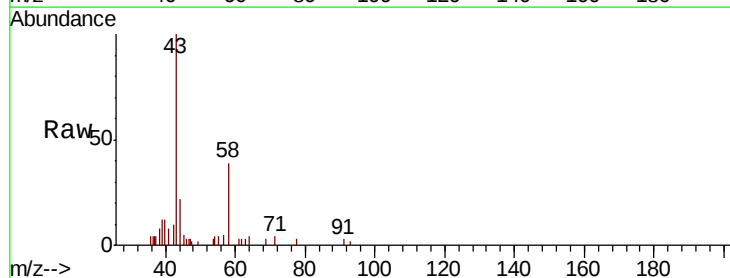
Acq: 10 Jul 2019 16:46

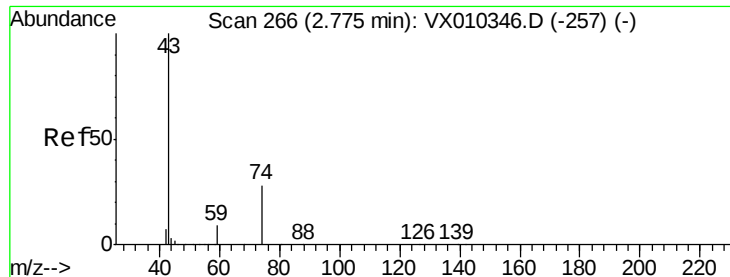
Tgt Ion: 43 Resp: 3617

Ion Ratio Lower Upper

43 100

58 40.5 28.9 43.3

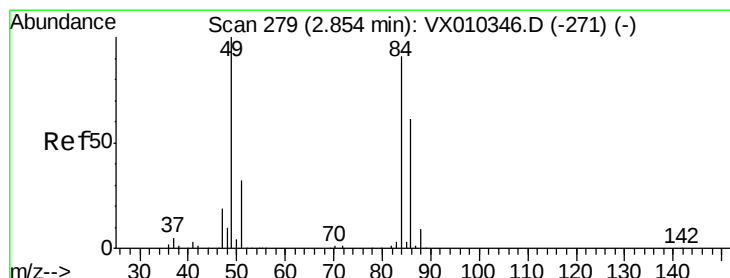
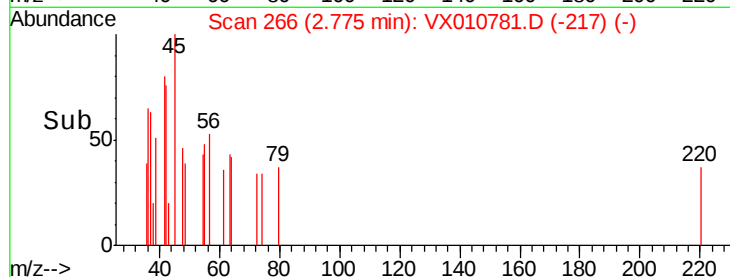
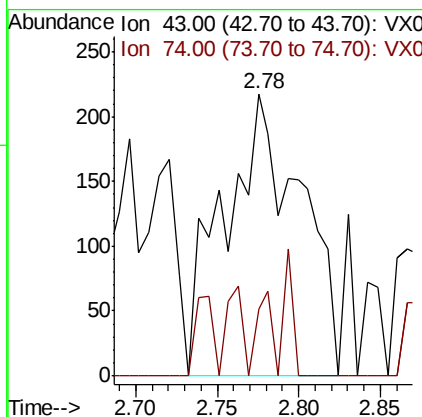
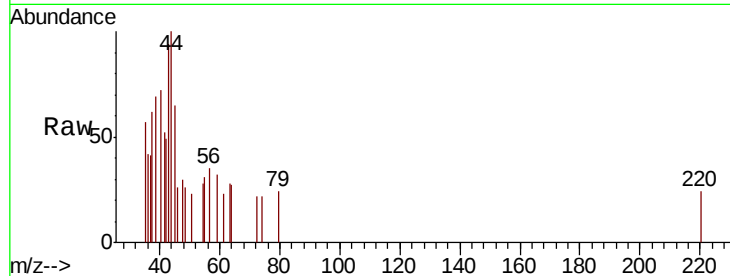




#18
Methvl Acetate
Concen: 0.352 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX010781.D
Acq: 10 Jul 2019 16:46

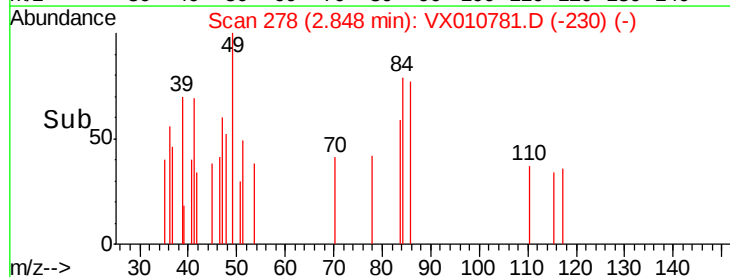
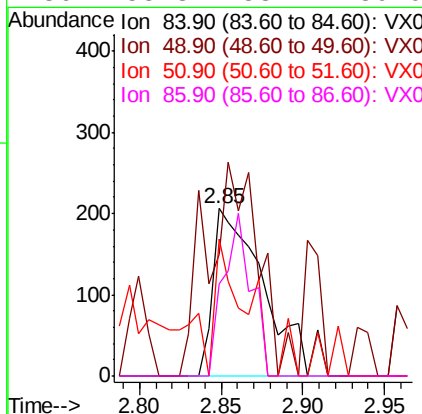
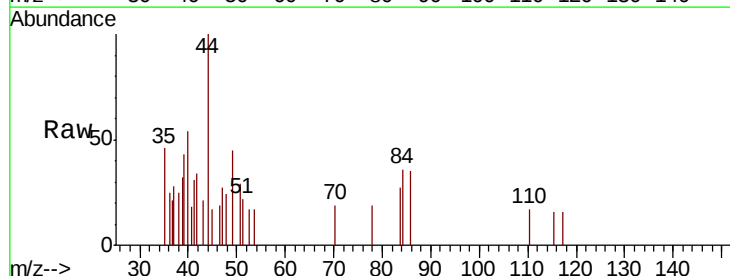
Instrument :
MSVOA_X
ClientSampleId :
KY030LC051-SW-190709

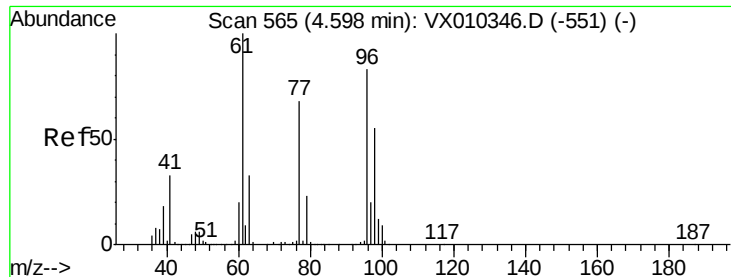
Tot Ion: 43 Resp: 713
Ion Ratio Lower Upper
43 100
74 5.9 21.3 31.9#



#20
Methylene Chloride
Concen: 0.219 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.01 min
Lab File: VX010781.D
Acq: 10 Jul 2019 16:46

Tgt Ion: 84 Resp: 459
Ion Ratio Lower Upper
84 100
49 72.3 87.5 131.3#
51 51.9 27.7 41.5#
86 55.3 53.4 80.0



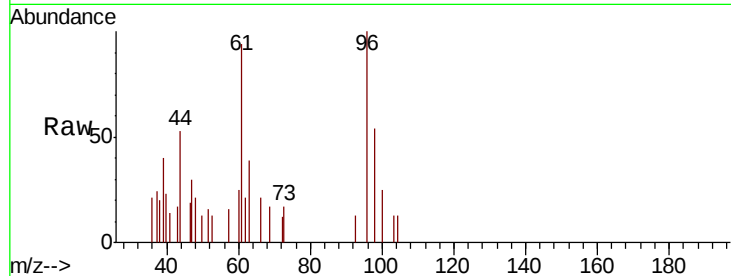


#27

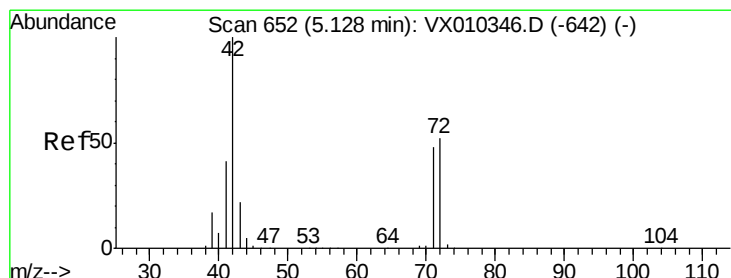
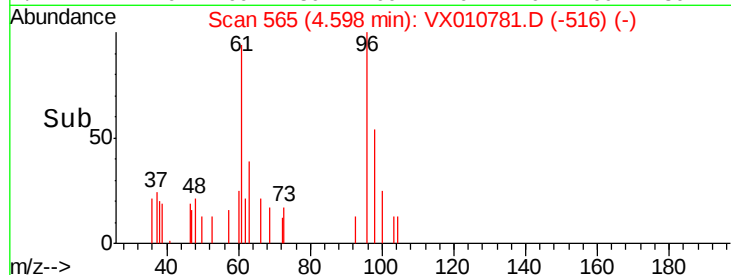
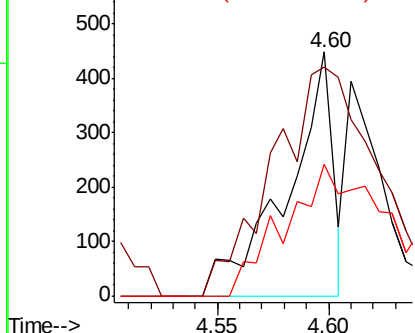
cis-1,2-Dichloroethene
 Concen: 0.273 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX010781.D
 Acq: 10 Jul 2019 16:46

Instrument :
 MSVOA_X
 ClientSampleId :
 KY030LC051-SW-190709

Tot Ion	Ratio	Lower	Upper
96	100		
61	209.6	0.0	251.8
98	120.4	0.0	129.4



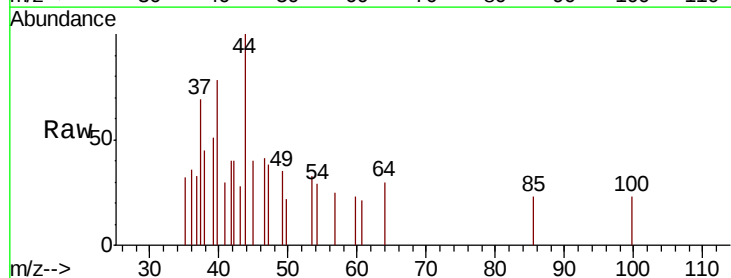
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



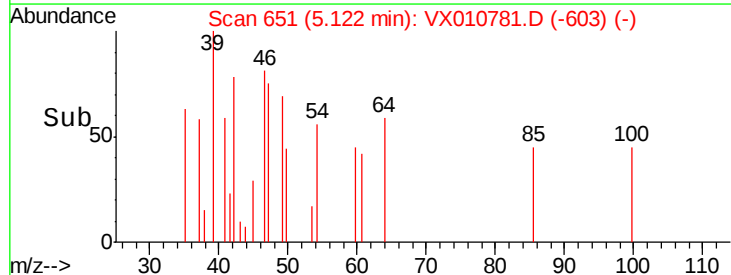
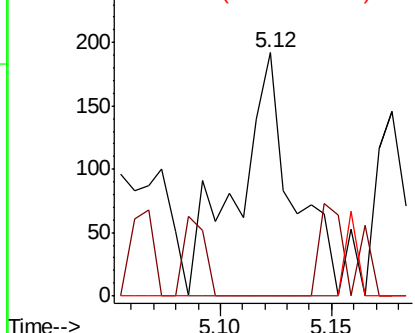
#29

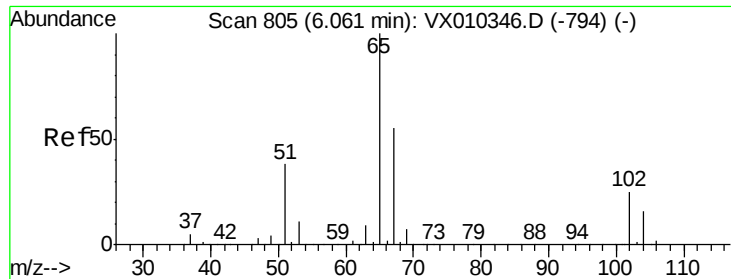
Tetrahydrofuran
 Concen: 0.360 ug/l
 RT: 5.12 min Scan# 651
 Delta R.T. -0.01 min
 Lab File: VX010781.D
 Acq: 10 Jul 2019 16:46

Tgt Ion	Ratio	Lower	Upper
42	100		
72	0.0	40.6	60.8#
71	0.0	37.8	56.8#



Abundance Ion 42.00 (41.70 to 42.70): VX0
 Ion 72.00 (71.70 to 72.70): VX0
 Ion 71.00 (70.70 to 71.70): VX0

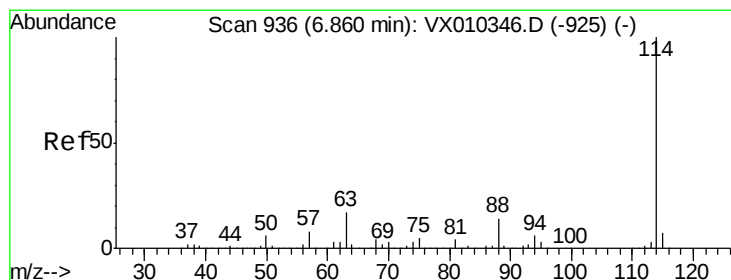
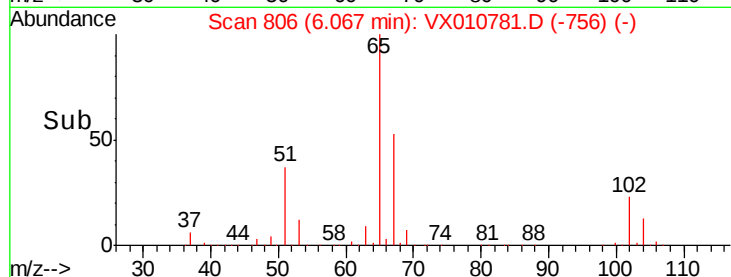
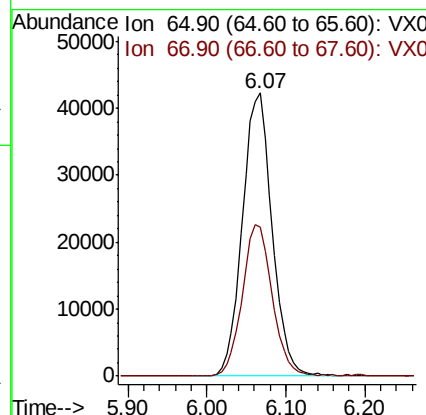
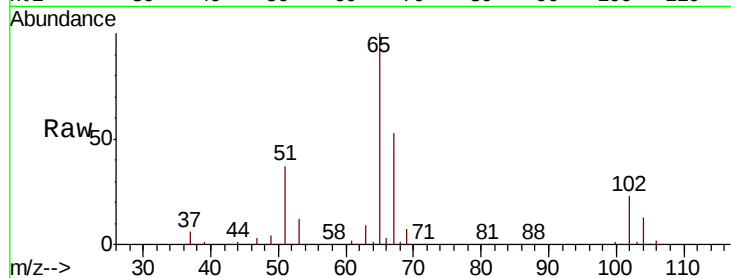




#33
 1,2-Dichloroethane-d4
 Concen: 54.609 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX010781.D
 Acq: 10 Jul 2019 16:46

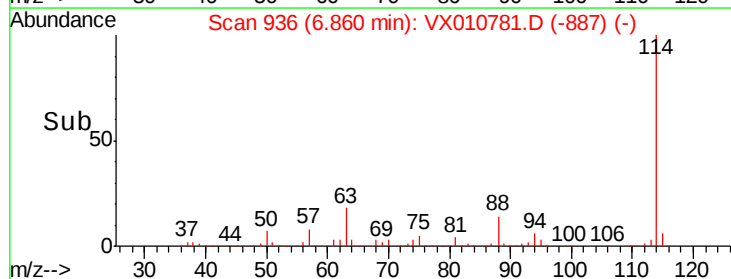
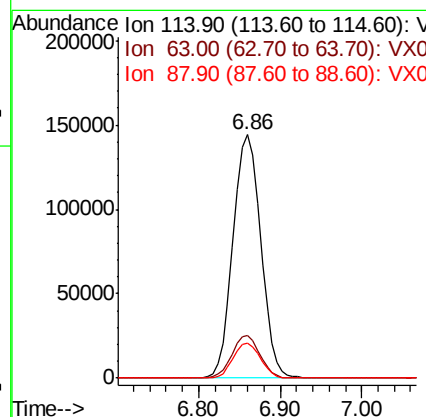
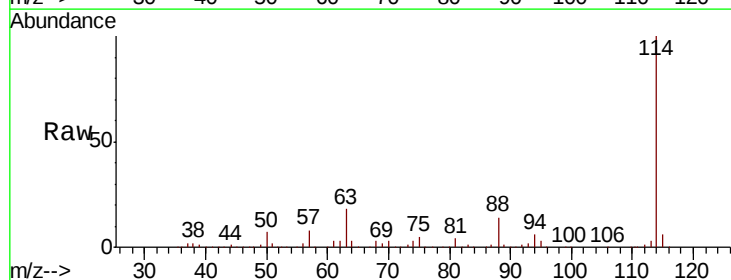
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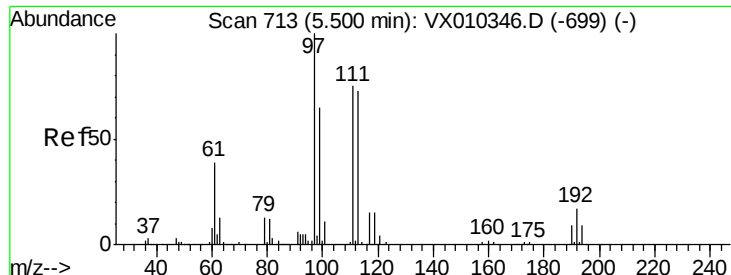
Tot Ion: 65 Resp: 110835
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 110.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX010781.D
 Acq: 10 Jul 2019 16:46

Tgt Ion: 114 Resp: 340433
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 33.8
 88 14.3 0.0 27.6





#35

Dibromofluoromethane

Concen: 50.222 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010781.D

Acq: 10 Jul 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

KY030LC051-SW-190709

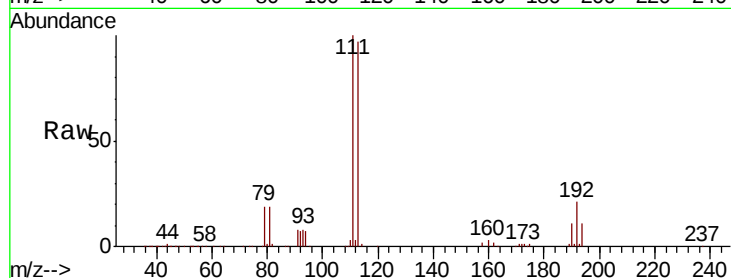
Tot Ion:113 Resp: 104607

Ion Ratio Lower Upper

113 100

111 102.8 81.2 121.8

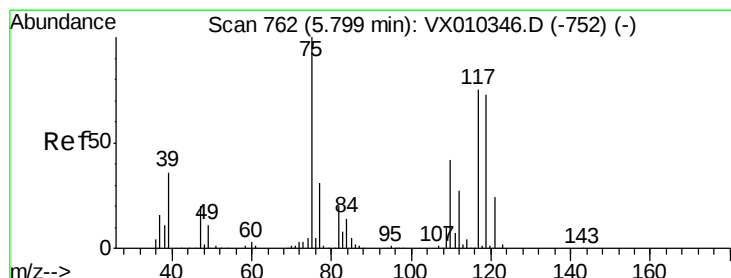
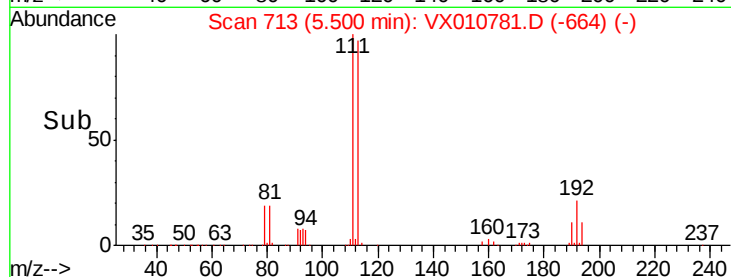
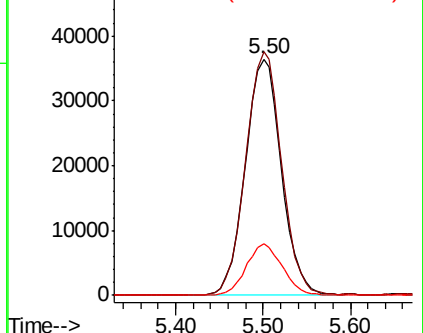
192 21.9 18.6 27.8



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: 5.079 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX010781.D

Acq: 10 Jul 2019 16:46

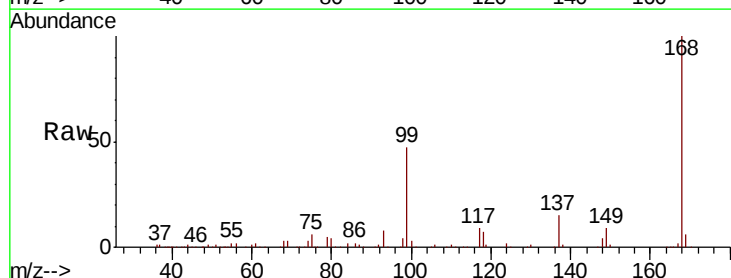
Tgt Ion: 75 Resp: 13739

Ion Ratio Lower Upper

75 100

110 10.9 20.8 62.2#

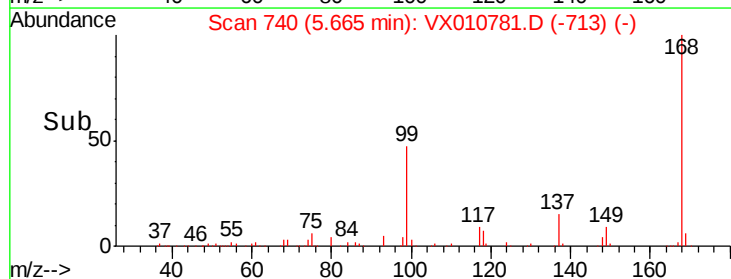
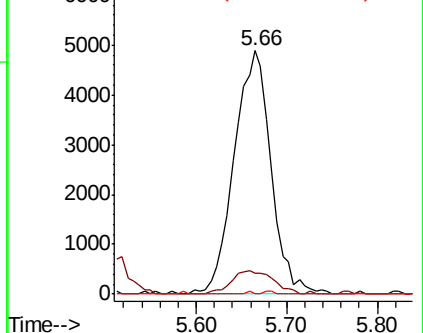
77 0.1 25.4 38.0#

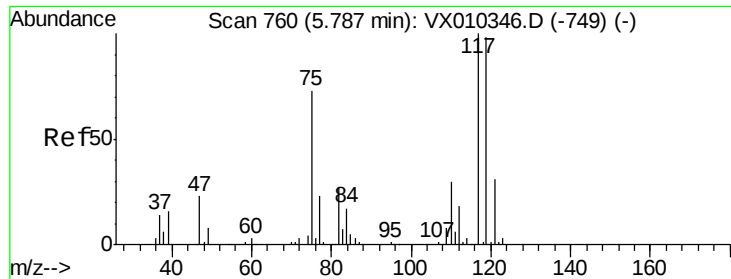


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.540 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX010781.D

Acq: 10 Jul 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

KY030LC051-SW-190709

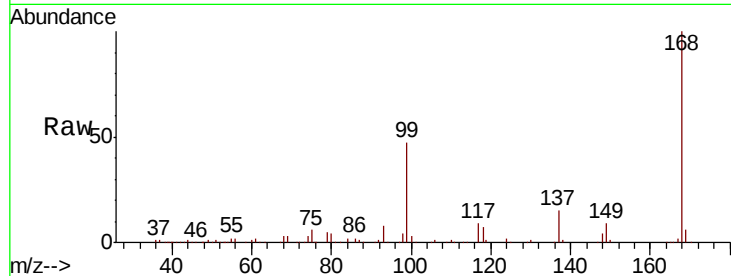
Tot Ion:117 Resp: 19158

Ion Ratio Lower Upper

117 100

119 6.2 78.2 117.4#

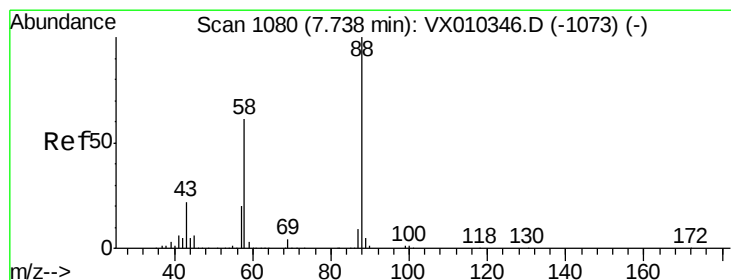
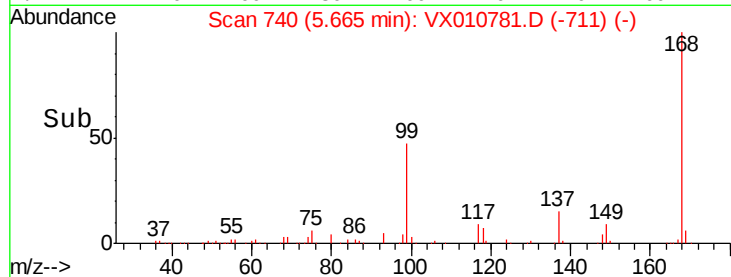
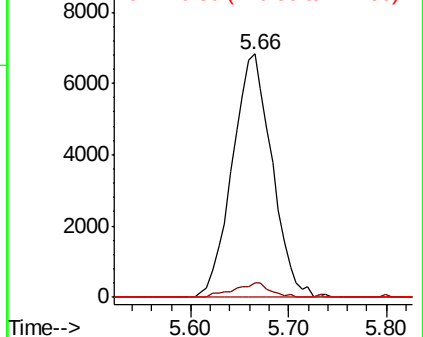
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 0.649 ug/l

RT: 7.65 min Scan# 1065

Delta R.T. -0.09 min

Lab File: VX010781.D

Acq: 10 Jul 2019 16:46

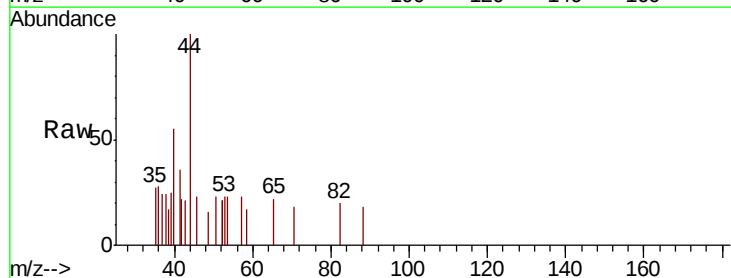
Tgt Ion: 88 Resp: 40

Ion Ratio Lower Upper

88 100

43 692.5 20.2 30.2#

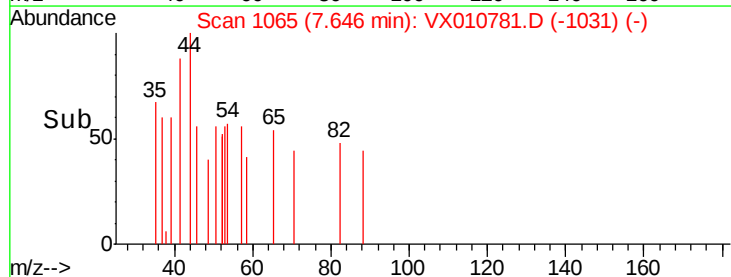
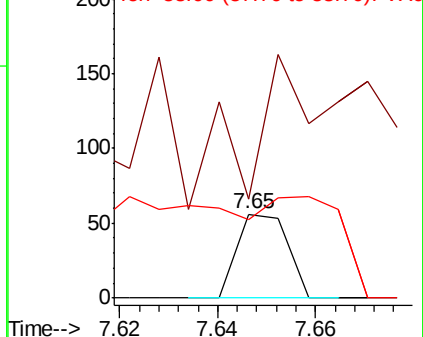
58 0.0 49.5 74.3#

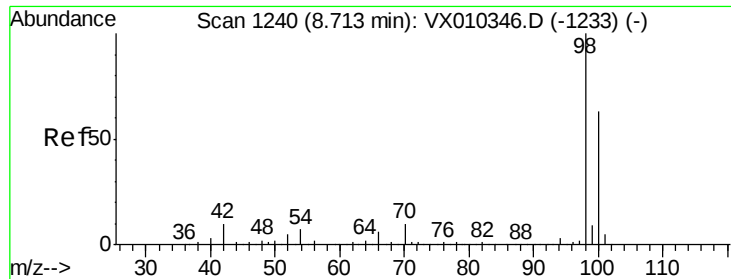


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.753 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX010781.D

Acq: 10 Jul 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

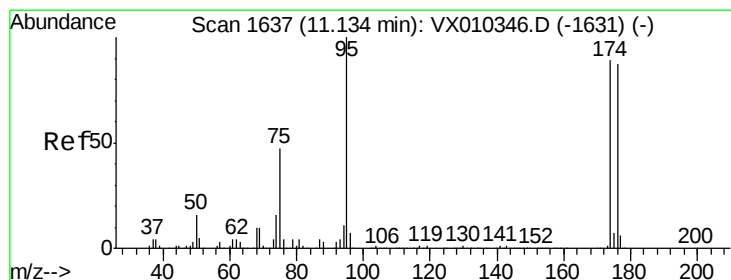
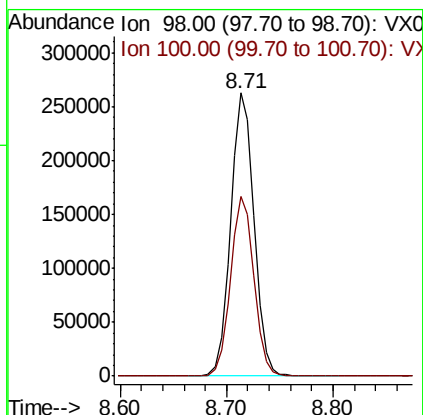
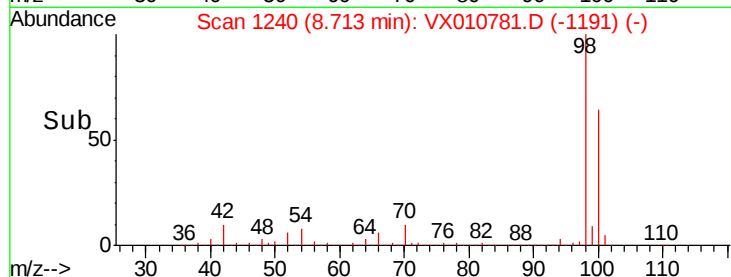
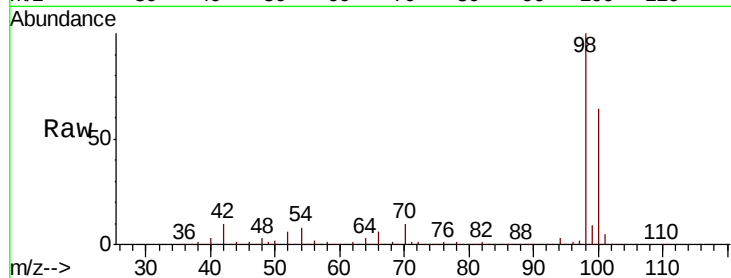
KY030LC051-SW-190709

Tot Ion: 98 Resp: 404437

Ion Ratio Lower Upper

98 100

100 63.4 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 46.480 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX010781.D

Acq: 10 Jul 2019 16:46

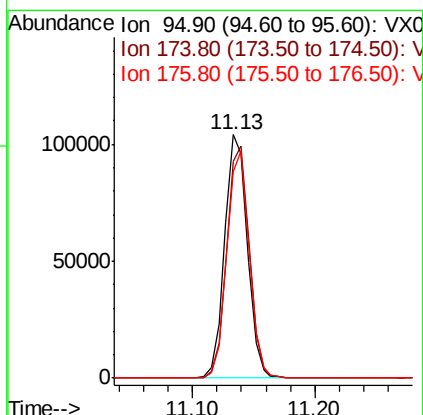
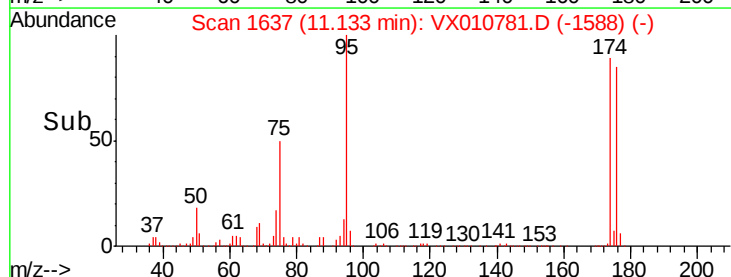
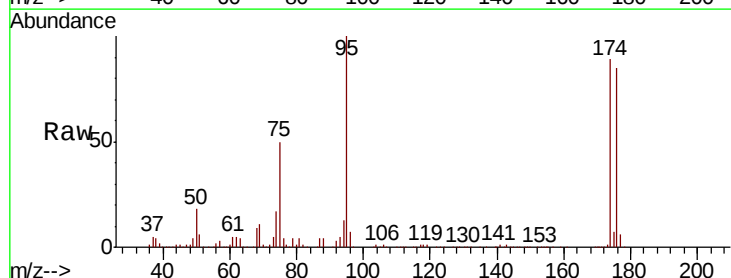
Tgt Ion: 95 Resp: 133721

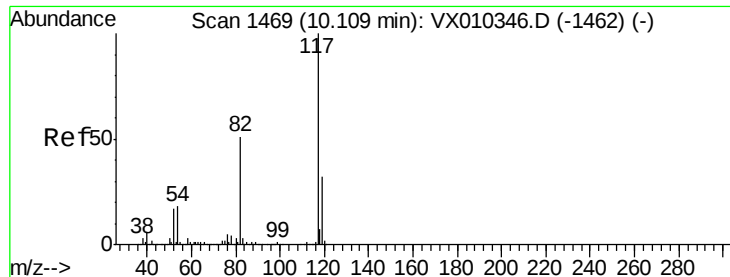
Ion Ratio Lower Upper

95 100

174 94.1 0.0 187.6

176 91.4 0.0 184.0

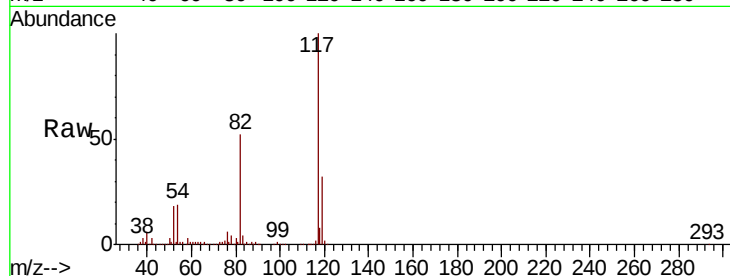




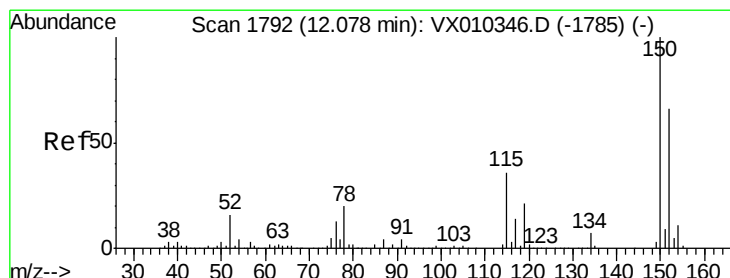
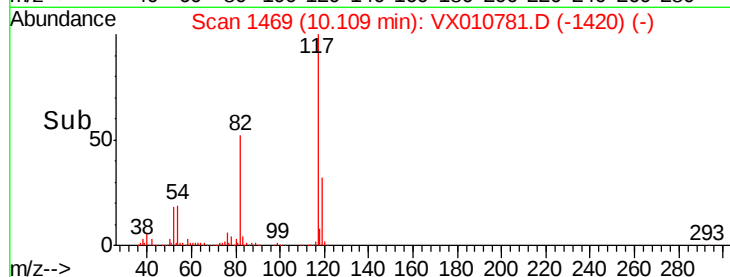
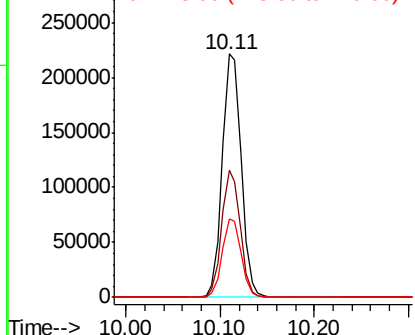
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010781.D
Acq: 10 Jul 2019 16:46

Instrument :
MSVOA_X
ClientSampleId :
KY030LC051-SW-190709

Tot Ion:117 Resp: 309133
Ion Ratio Lower Upper
117 100
82 52.4 41.2 61.8
119 32.3 25.5 38.3

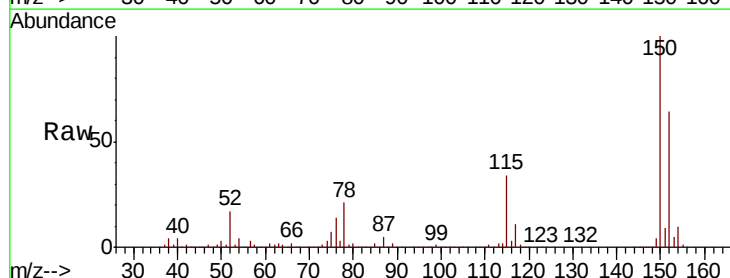


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

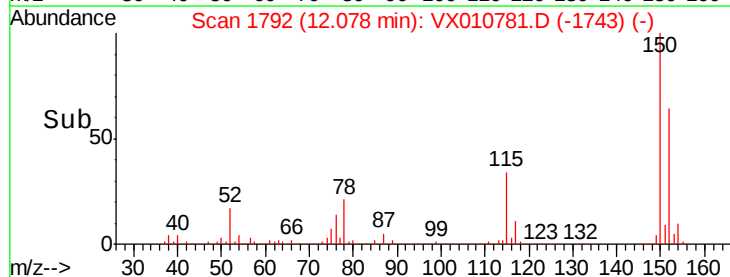
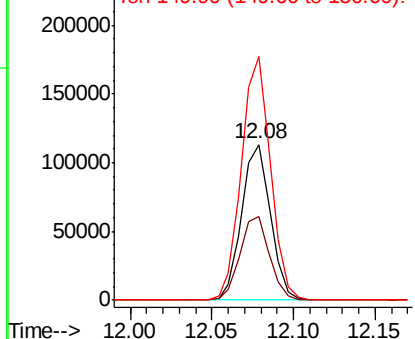


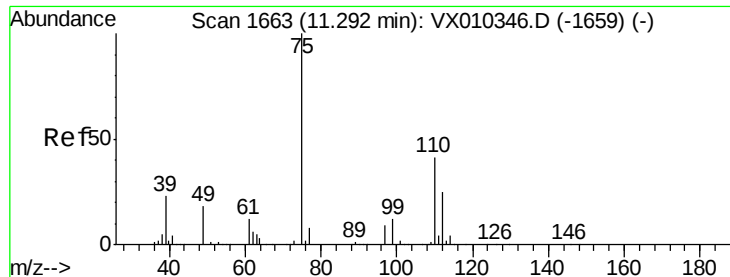
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010781.D
Acq: 10 Jul 2019 16:46

Tgt Ion:152 Resp: 140425
Ion Ratio Lower Upper
152 100
115 54.8 38.6 115.7
150 157.9 0.0 347.4



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: 25.726 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010781.D

Acq: 10 Jul 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

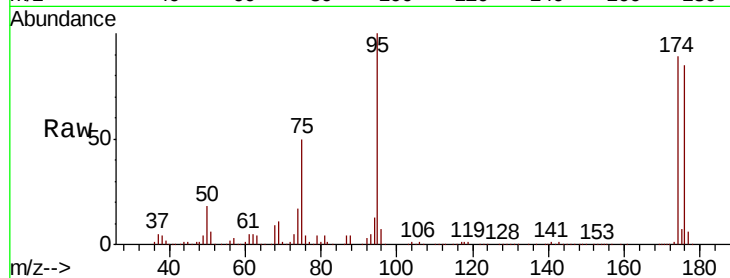
KY030LC051-SW-190709

Tot Ion: 75 Resp: 65831

Ion Ratio Lower Upper

75 100

77 1.2 22.6 67.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

50000

40000

30000

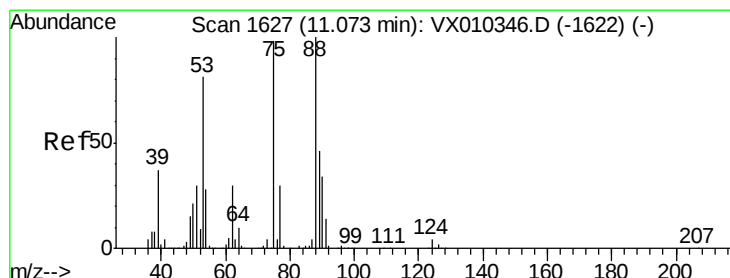
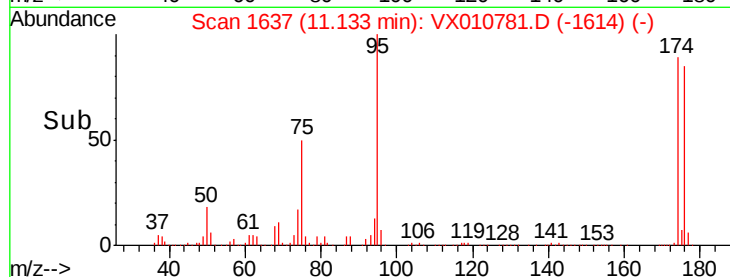
20000

10000

0

Time-->

11.10 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 60.016 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010781.D

Acq: 10 Jul 2019 16:46

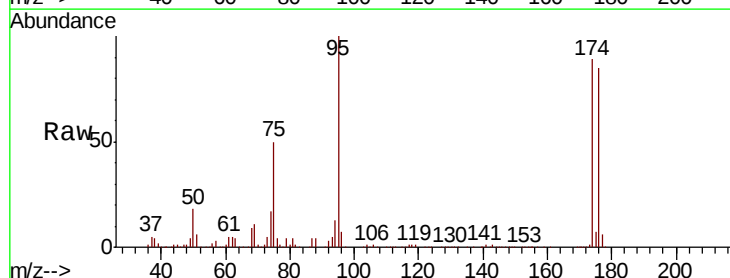
Tgt Ion: 75 Resp: 65831

Ion Ratio Lower Upper

75 100

53 0.1 66.1 99.1#

89 0.1 37.8 56.6#



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

60000

40000

20000

0

Time-->

11.10 11.20

