

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070819\
 Data File : VX010717.D
 Acq On : 09 Jul 2019 00:23
 Operator : JC/SP
 Sample : K3691-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WP022MW001-190704

Quant Time: Jul 09 01:15:51 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	5.67	168	223947	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	346858	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	317822	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	148918	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	111869	53.28	ug/l	0.00
Spiked Amount			Recovery	=	106.56%	
35) Dibromofluoromethane	5.50	113	105639	49.78	ug/l	0.00
Spiked Amount			Recovery	=	99.56%	
50) Toluene-d8	8.71	98	415870	51.22	ug/l	0.00
Spiked Amount			Recovery	=	102.44%	
62) 4-Bromofluorobenzene	11.13	95	142688	48.68	ug/l	0.00
Spiked Amount			Recovery	=	97.36%	

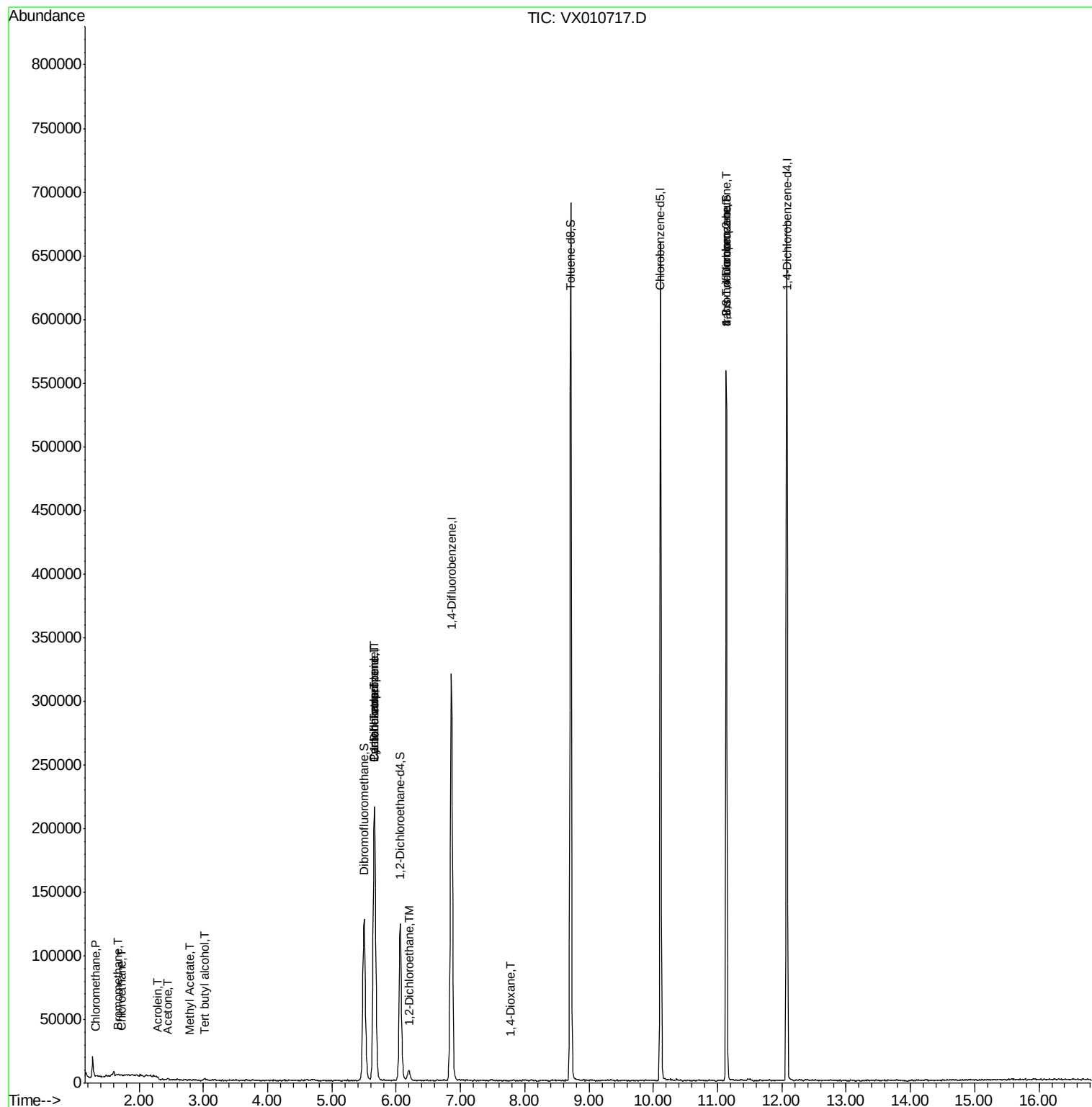
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	481	0.265	ug/l #	78
5) Bromomethane	1.67	94	633	0.654	ug/l #	69
6) Chloroethane	1.72	64	411	0.351	ug/l #	27
11) Tert butyl alcohol	3.01	59	758	1.380	ug/l #	83
13) Acrolein	2.29	56	205	0.562	ug/l #	14
16) Acetone	2.45	43	1230	1.169	ug/l	95
18) Methyl Acetate	2.78	43	467	0.223	ug/l #	67
31) Cyclohexane	5.67	56	3842	1.267	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14337	5.201	ug/l #	38
38) Carbon Tetrachloride	5.66	117	20481	6.862	ug/l #	15
42) 1,2-Dichloroethane	6.20	62	8192	3.134	ug/l	91
49) 1,4-Dioxane	7.77	88	21	0.334	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	69698	25.684	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	69698	59.918	ug/l #	16

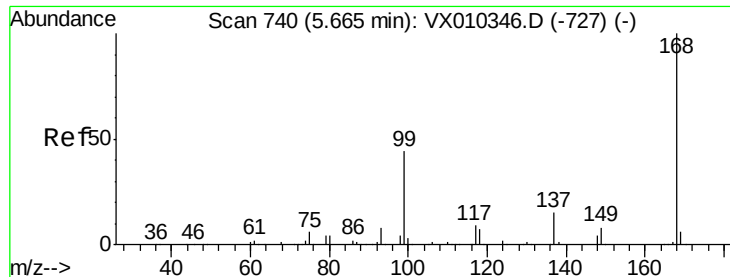
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010717.D

Acq: 09 Jul 2019 00:23

Instrument :

MSVOA_X

ClientSampleId :

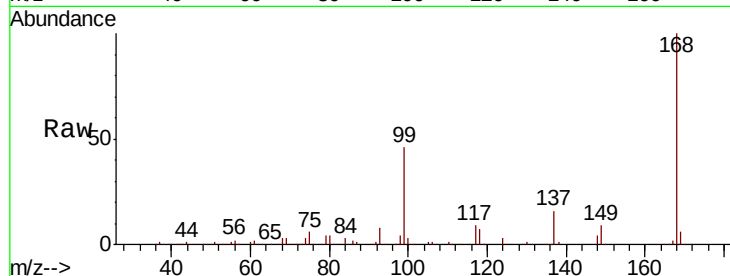
WP022MW001-190704

Tot Ion:168 Resp: 223947

Ion Ratio Lower Upper

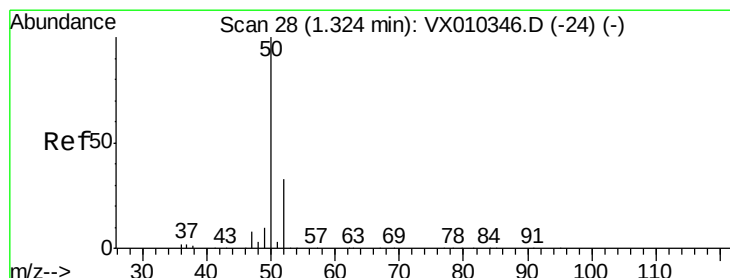
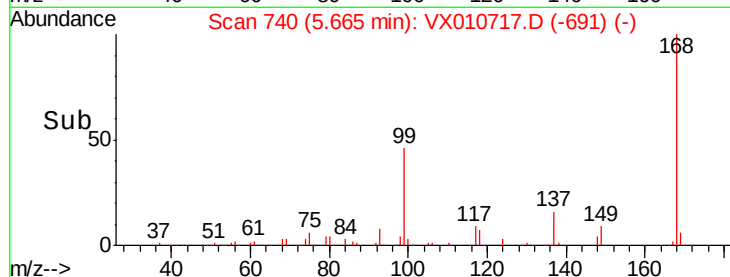
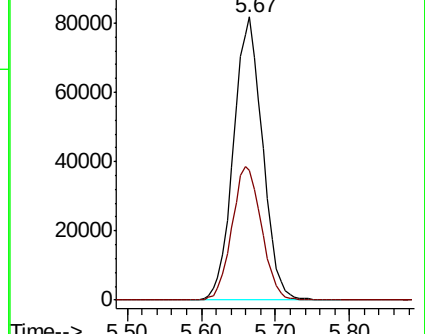
168 100

99 45.8 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: 0.265 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010717.D

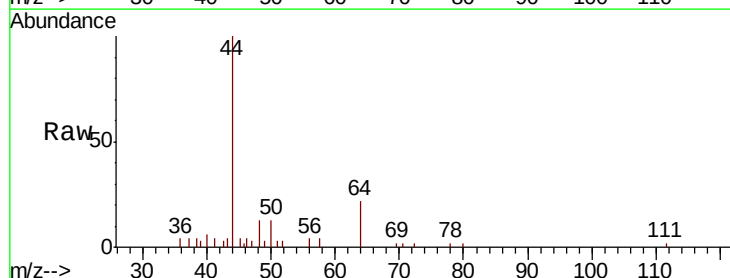
Acq: 09 Jul 2019 00:23

Tgt Ion: 50 Resp: 481

Ion Ratio Lower Upper

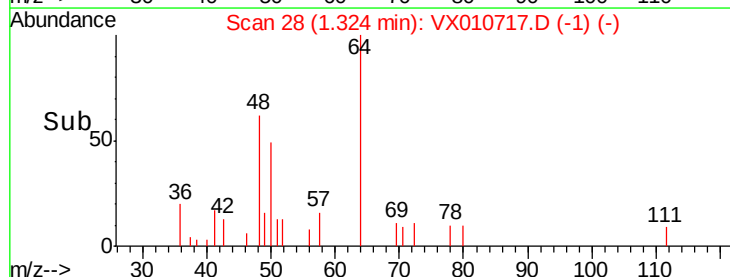
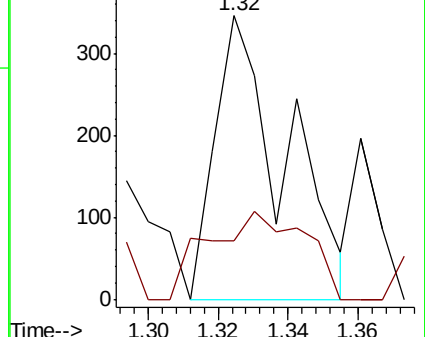
50 100

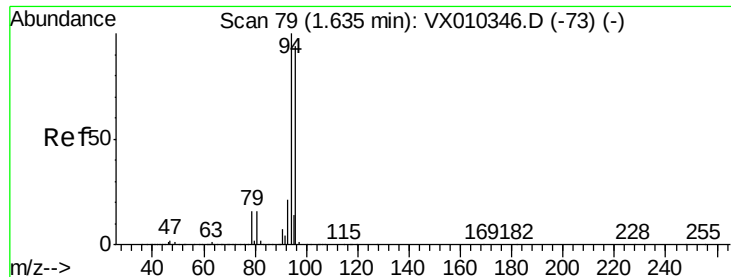
52 20.5 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.654 ug/l

RT: 1.67 min Scan# 84

Delta R.T. 0.03 min

Lab File: VX010717.D

Acq: 09 Jul 2019 00:23

Instrument :

MSVOA_X

ClientSampleId :

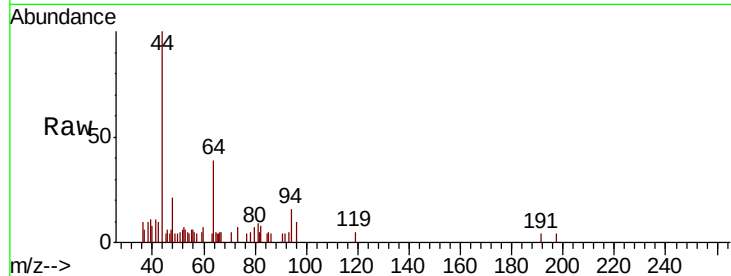
WP022MW001-190704

Tot Ion: 94 Resp: 633

Ion Ratio Lower Upper

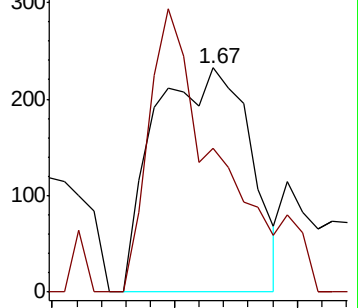
94 100

96 64.2 75.5 113.3#

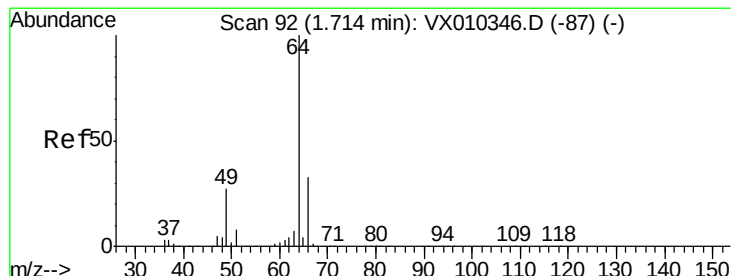
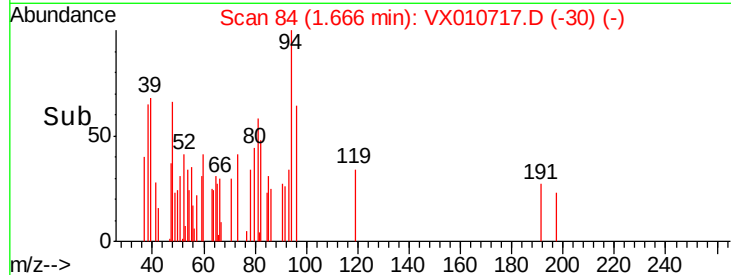


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: 0.351 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX010717.D

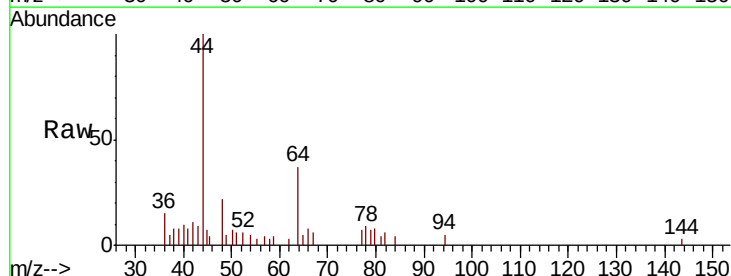
Acq: 09 Jul 2019 00:23

Tgt Ion: 64 Resp: 411

Ion Ratio Lower Upper

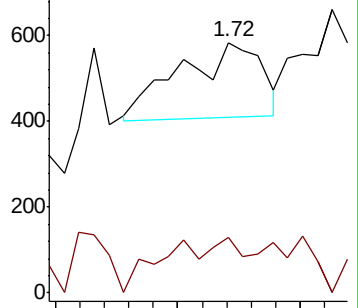
64 100

66 74.9 26.6 40.0#

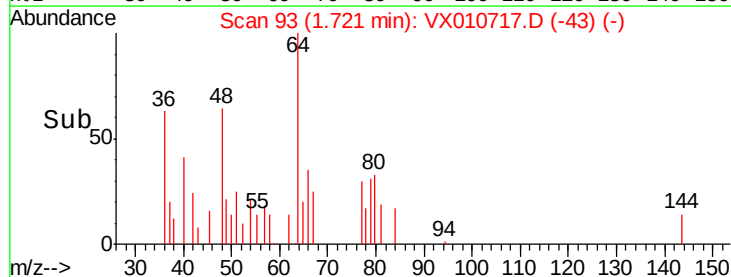


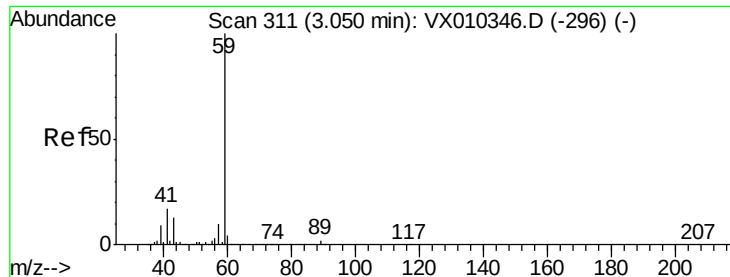
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->



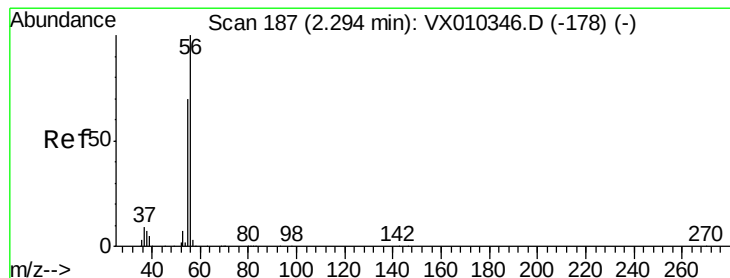
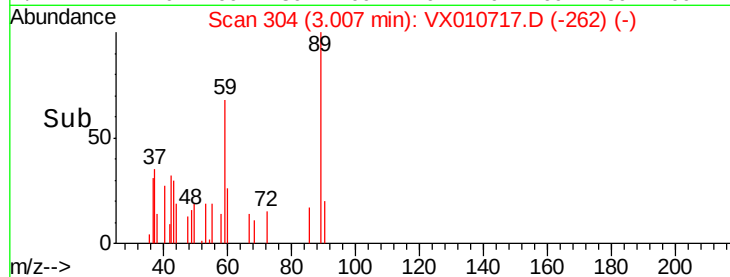
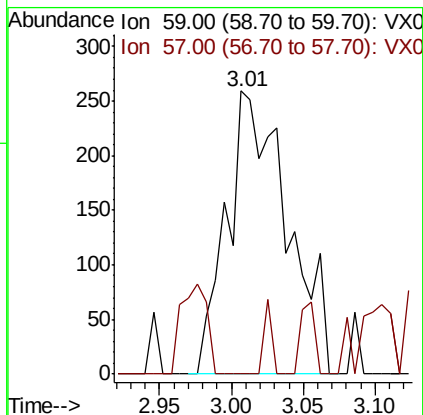
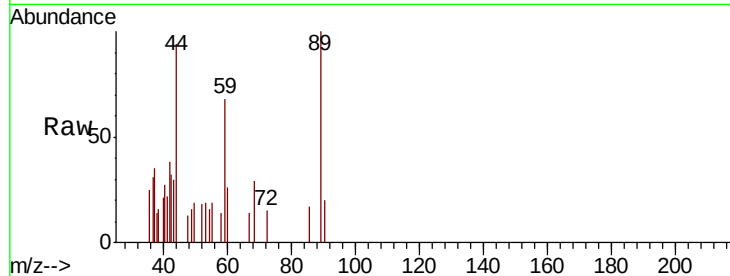


#11

Tert butyl alcohol
 Concen: 1.380 ug/l
 RT: 3.01 min Scan# 304
 Delta R.T. -0.04 min
 Lab File: VX010717.D
 Acq: 09 Jul 2019 00:23

Instrument :
 MSVOA_X
 ClientSampleId :
 WP022MW001-190704

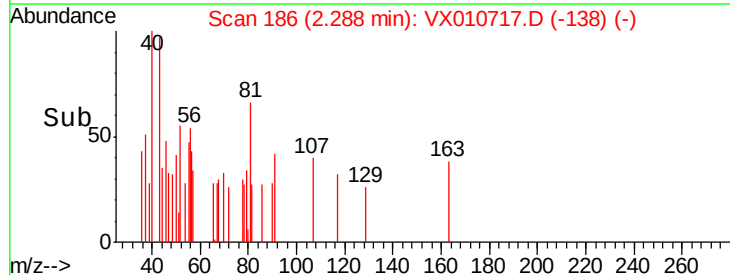
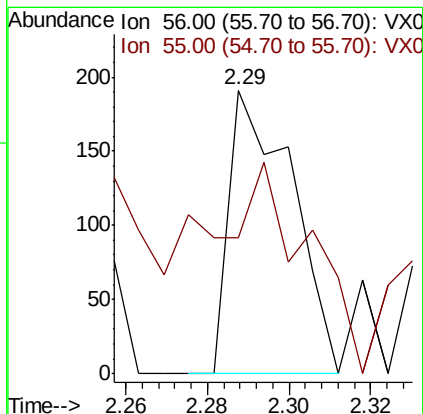
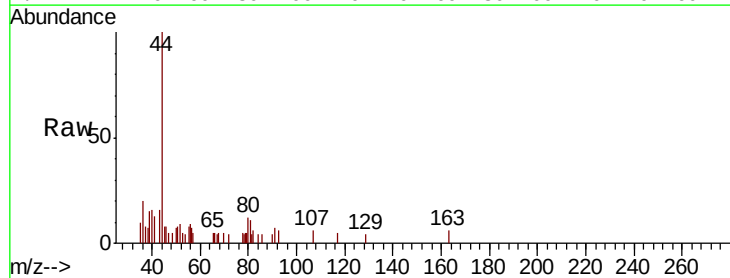
Tot Ion: 59 Resp: 758
 Ion Ratio Lower Upper
 59 100
 57 3.3 7.7 11.5#

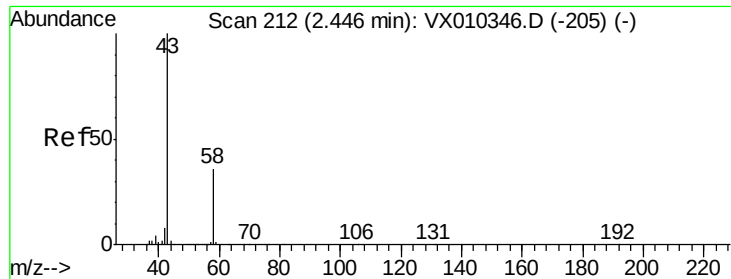


#13

Acrolein
 Concen: 0.562 ug/l
 RT: 2.29 min Scan# 186
 Delta R.T. -0.01 min
 Lab File: VX010717.D
 Acq: 09 Jul 2019 00:23

Tgt Ion: 56 Resp: 205
 Ion Ratio Lower Upper
 56 100
 55 0.0 56.9 85.3#





#16

Acetone

Concen: 1.169 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX010717.D

Acq: 09 Jul 2019 00:23

Instrument :

MSVOA_X

ClientSampleId :

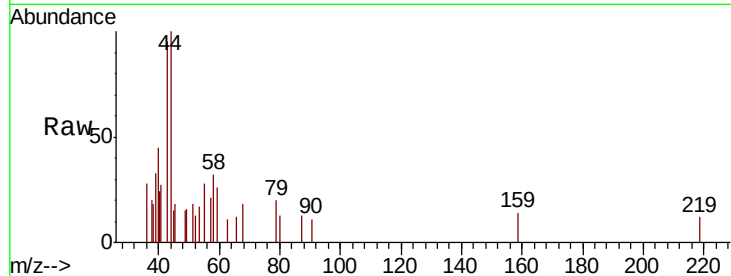
WP022MW001-190704

Tot Ion: 43 Resp: 1230

Ion Ratio Lower Upper

43 100

58 33.2 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

400

300

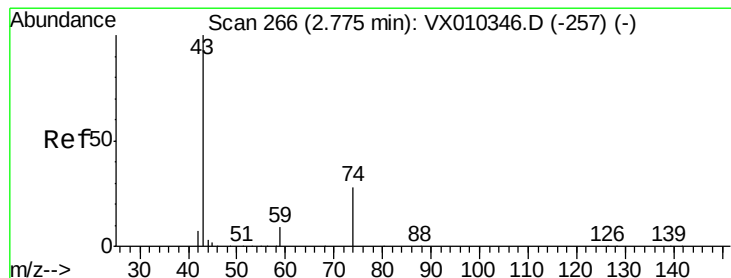
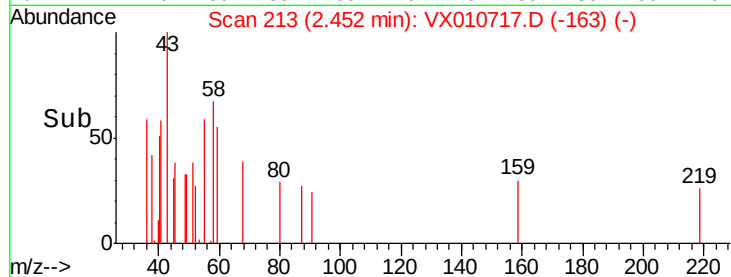
200

100

0

2.35 2.40 2.45 2.50

Time-->



#18

Methyl Acetate

Concen: 0.223 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX010717.D

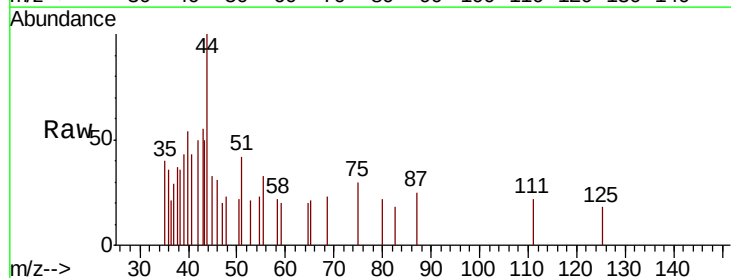
Acq: 09 Jul 2019 00:23

Tgt Ion: 43 Resp: 467

Ion Ratio Lower Upper

43 100

74 9.9 21.3 31.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

300

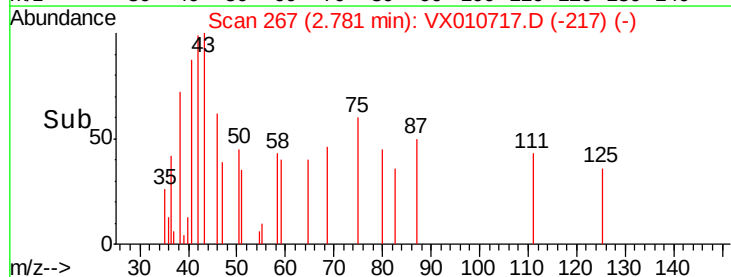
200

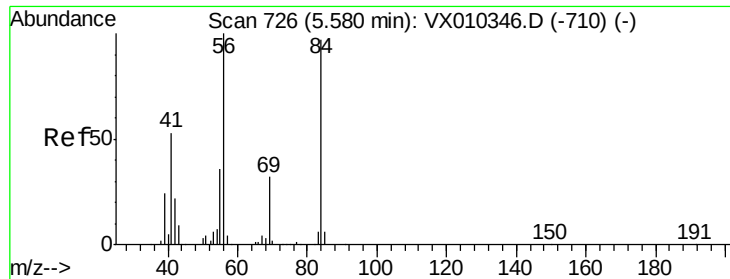
100

0

2.75 2.80

Time-->

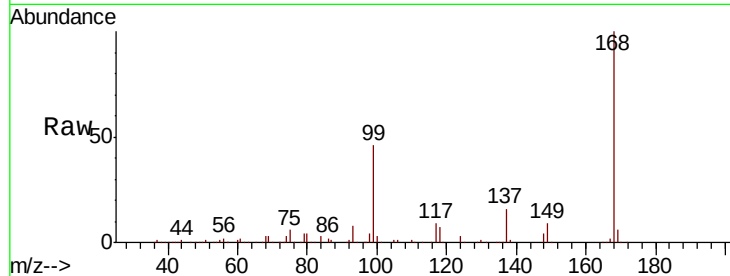




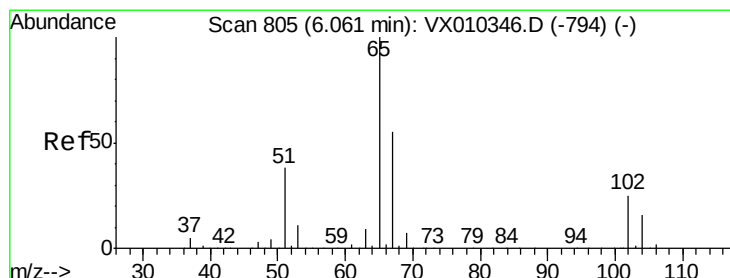
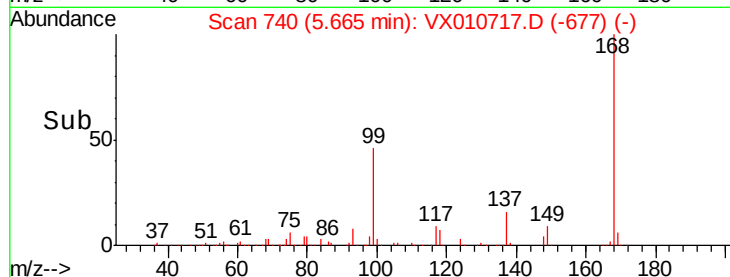
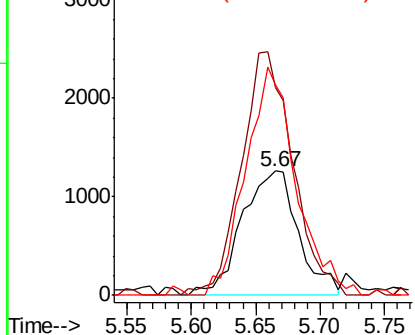
#31
Cyclohexane
Concen: 1.267 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX010717.D
Acq: 09 Jul 2019 00:23

Instrument :
MSVOA_X
ClientSampleId :
WP022MW001-190704

Tot Ion: 56 Resp: 3842
Ion Ratio Lower Upper
56 100
69 162.7 25.9 38.9#
84 170.0 78.0 117.0#

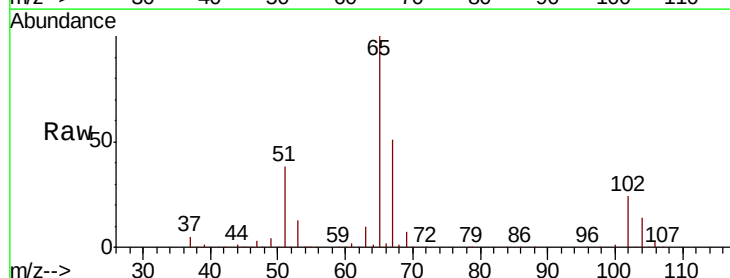


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

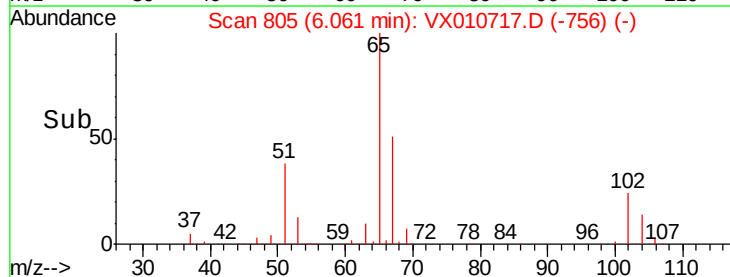
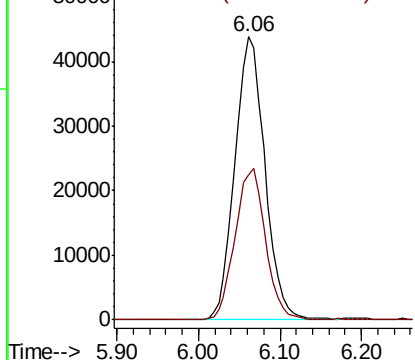


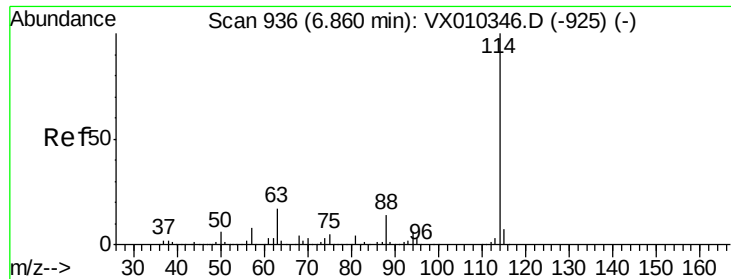
#33
1,2-Dichloroethane-d4
Concen: 53.278 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX010717.D
Acq: 09 Jul 2019 00:23

Tgt Ion: 65 Resp: 111869
Ion Ratio Lower Upper
65 100
67 54.0 0.0 110.2



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010717.D

Acq: 09 Jul 2019 00:23

Instrument :

MSVOA_X

ClientSampleId :

WP022MW001-190704

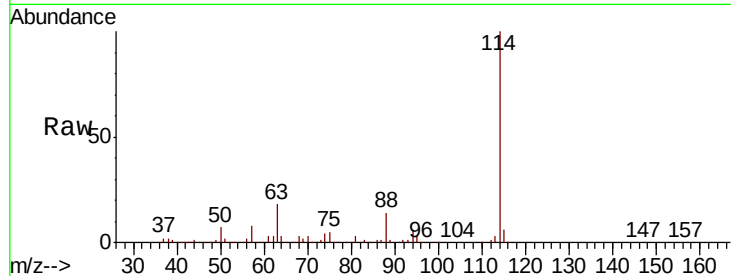
Tot Ion:114 Resp: 346858

Ion Ratio Lower Upper

114 100

63 17.8 0.0 33.8

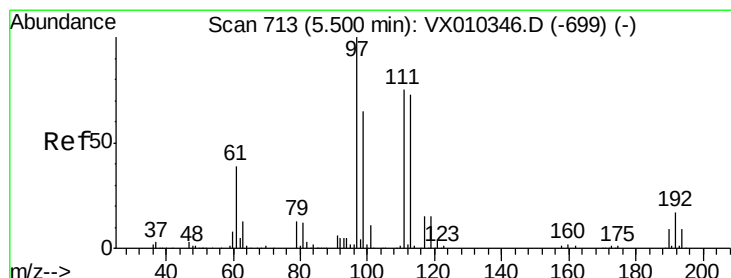
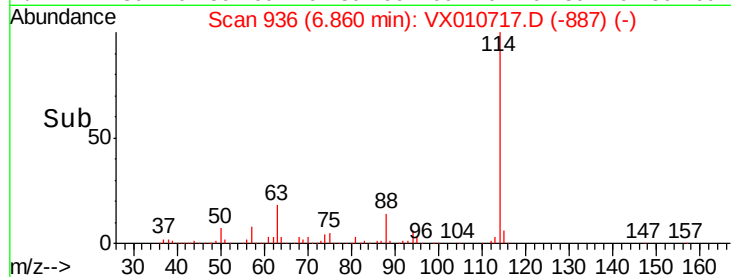
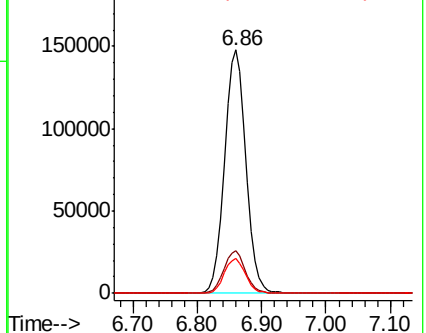
88 14.4 0.0 27.6



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: 49.778 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010717.D

Acq: 09 Jul 2019 00:23

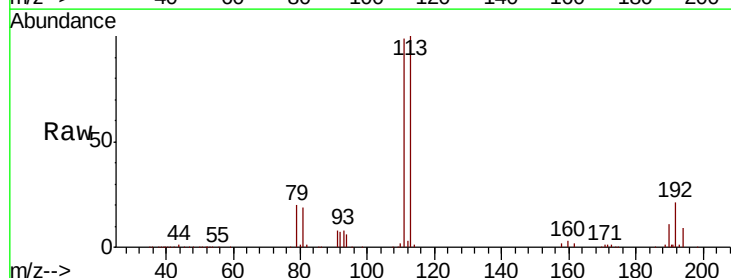
Tgt Ion:113 Resp: 105639

Ion Ratio Lower Upper

113 100

111 103.3 81.2 121.8

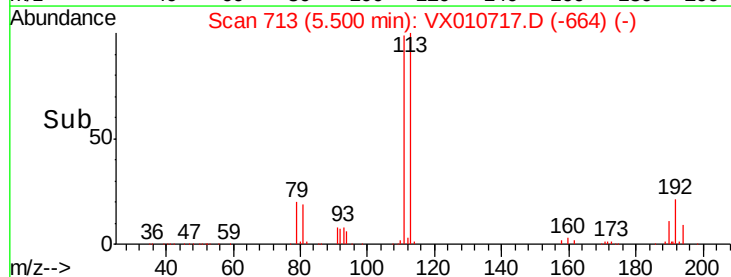
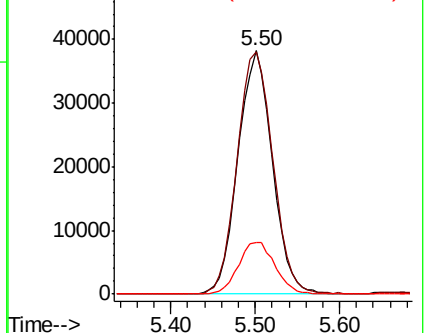
192 22.6 18.6 27.8

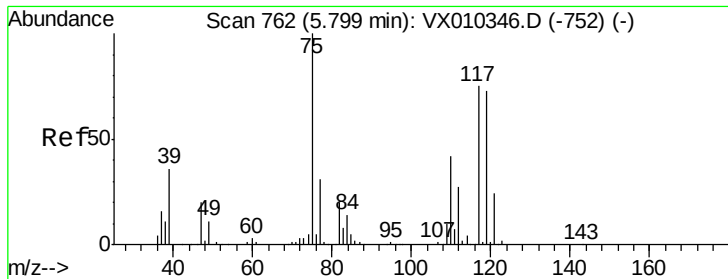


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.201 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010717.D

Acq: 09 Jul 2019 00:23

Instrument :

MSVOA_X

ClientSampleId :

WP022MW001-190704

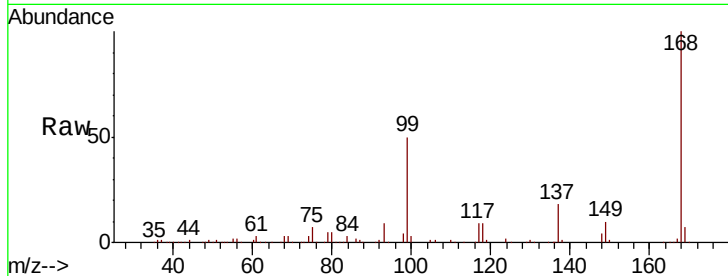
Tot Ion: 75 Resp: 14337

Ion Ratio Lower Upper

75 100

110 0.0 20.8 62.2#

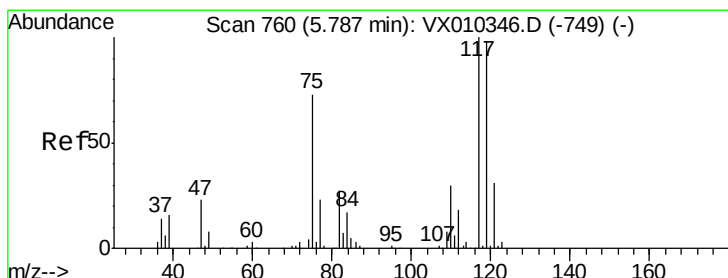
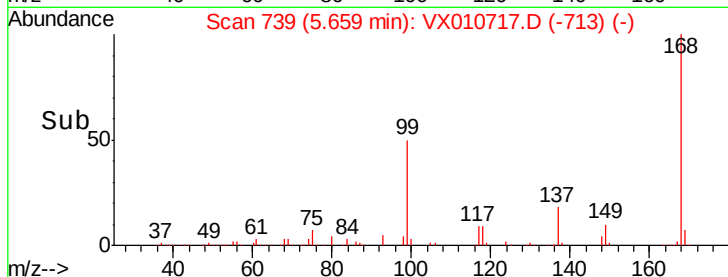
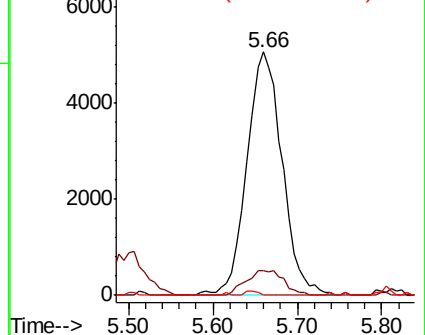
77 0.6 25.4 38.0#



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: 6.862 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX010717.D

Acq: 09 Jul 2019 00:23

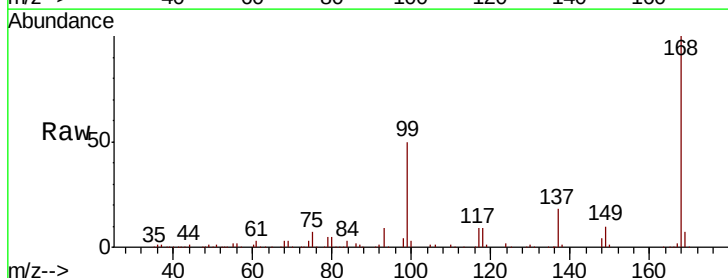
Tgt Ion: 117 Resp: 20481

Ion Ratio Lower Upper

117 100

119 5.3 78.2 117.4#

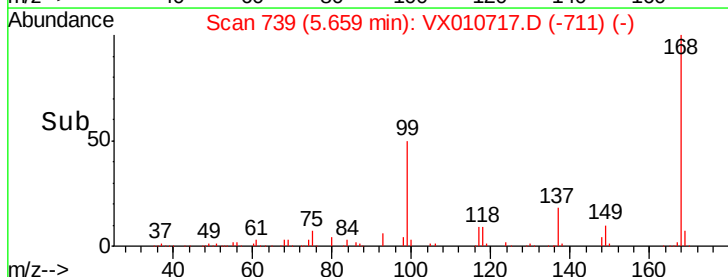
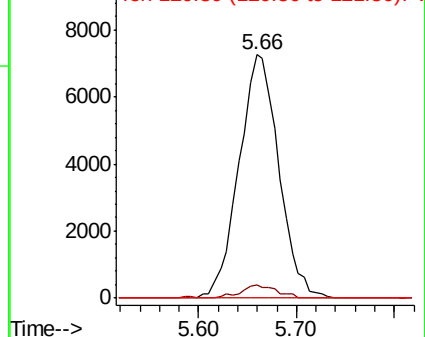
121 0.0 24.7 37.1#

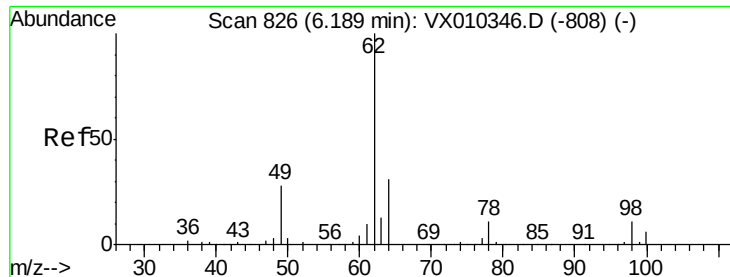


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#42

1,2-Dichloroethane

Concen: 3.134 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.01 min

Lab File: VX010717.D

Acq: 09 Jul 2019 00:23

Instrument :

MSVOA_X

ClientSampleId :

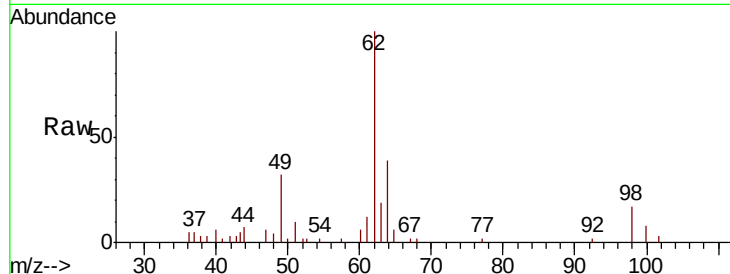
WP022MW001-190704

Tot Ion: 62 Resp: 8192

Ion Ratio Lower Upper

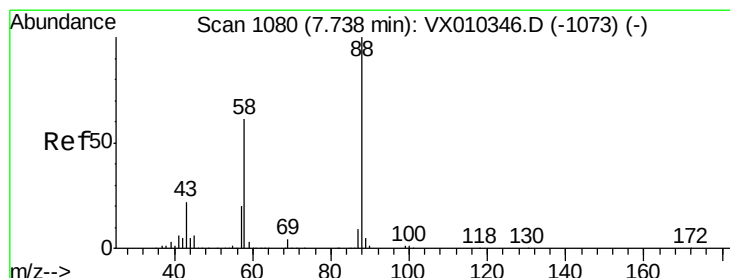
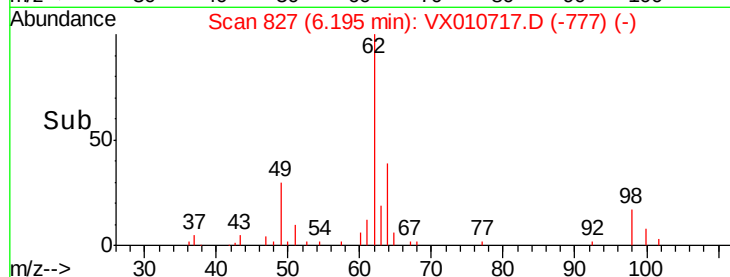
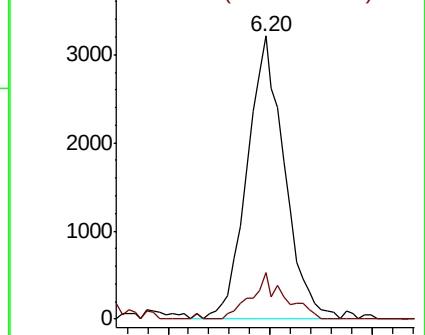
62 100

98 14.7 0.0 22.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#49

1,4-Dioxane

Concen: 0.334 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.03 min

Lab File: VX010717.D

Acq: 09 Jul 2019 00:23

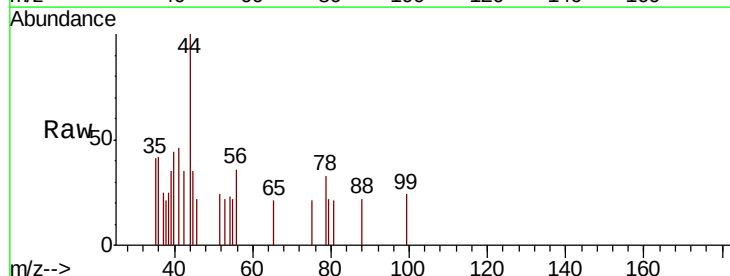
Tgt Ion: 88 Resp: 21

Ion Ratio Lower Upper

88 100

43 0.0 20.2 30.2#

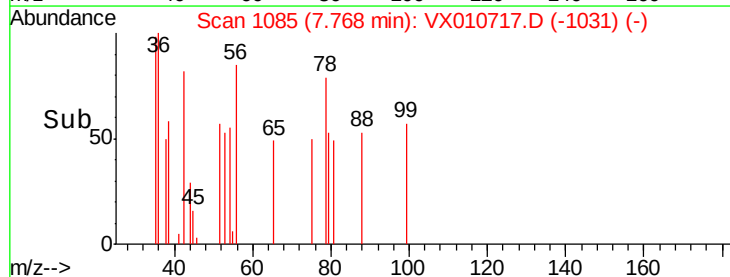
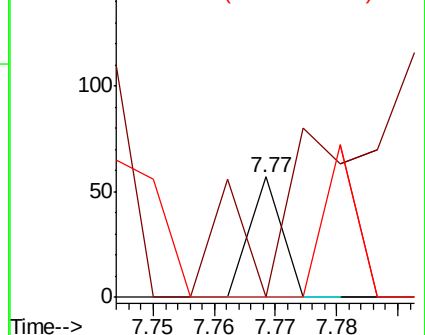
58 0.0 49.5 74.3#

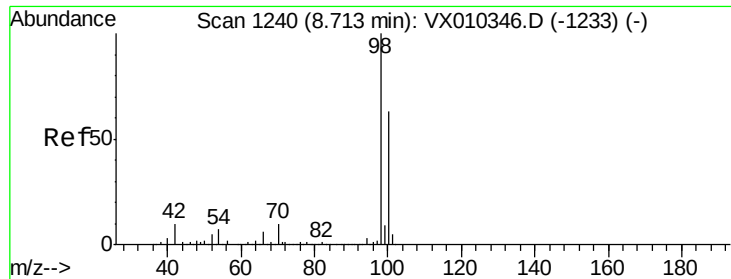


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

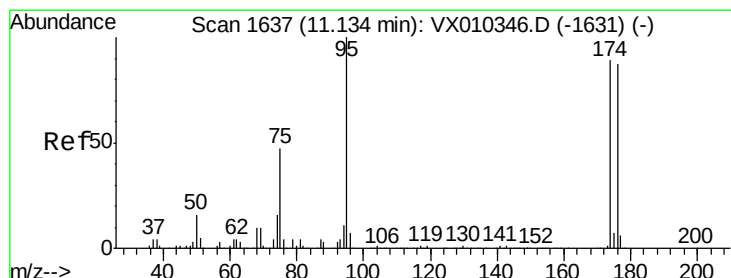
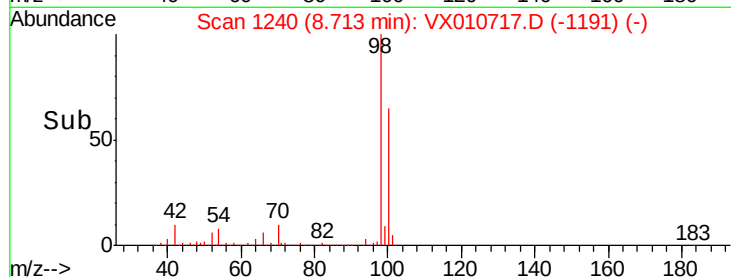
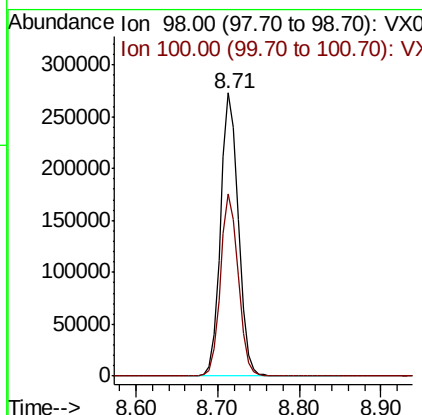
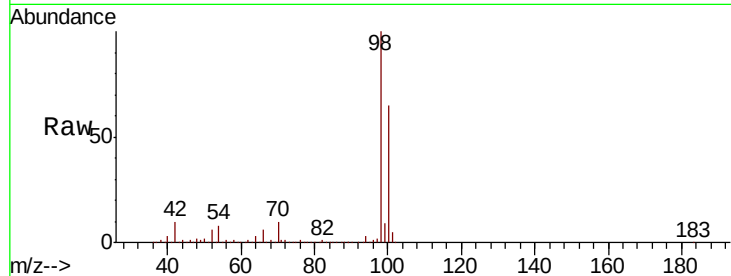




#50
Toluene-d8
Concen: 51.221 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010717.D
Acq: 09 Jul 2019 00:23

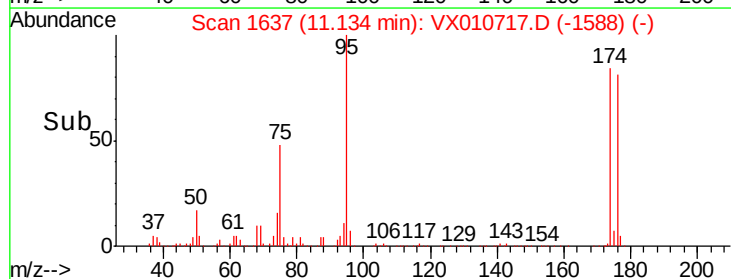
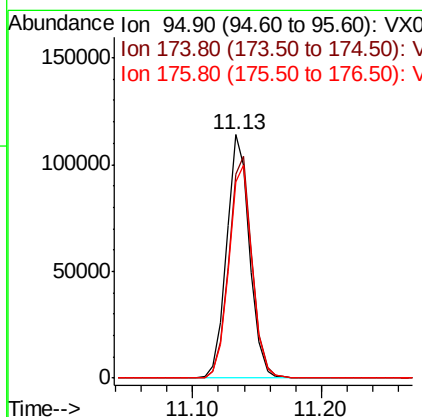
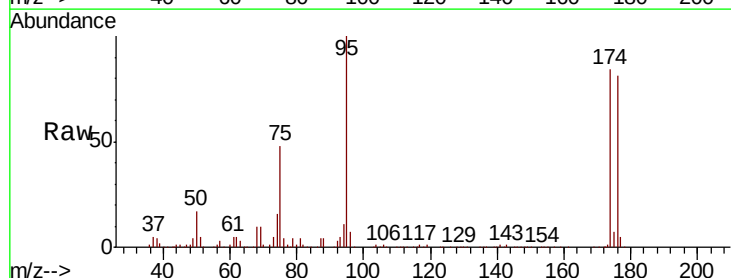
Instrument :
MSVOA_X
ClientSampleId :
WP022MW001-190704

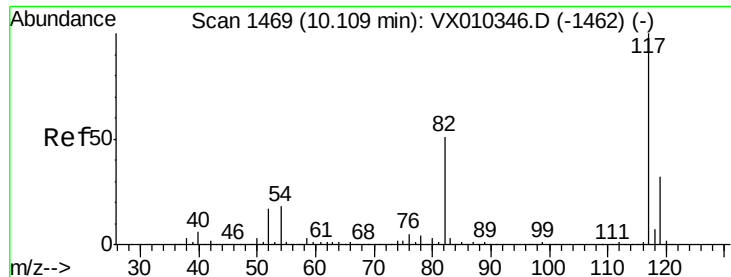
Tot Ion: 98 Resp: 415870
Ion Ratio Lower Upper
98 100
100 64.0 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 48.678 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010717.D
Acq: 09 Jul 2019 00:23

Tgt Ion: 95 Resp: 142688
Ion Ratio Lower Upper
95 100
174 92.6 0.0 187.6
176 89.3 0.0 184.0

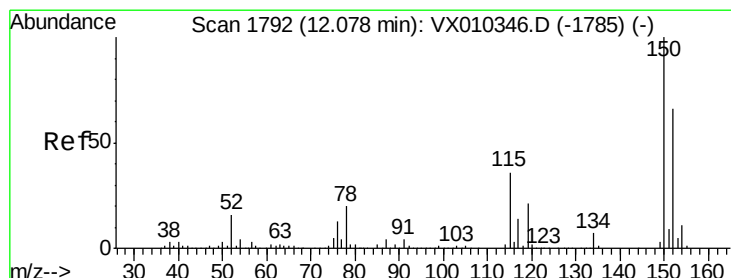
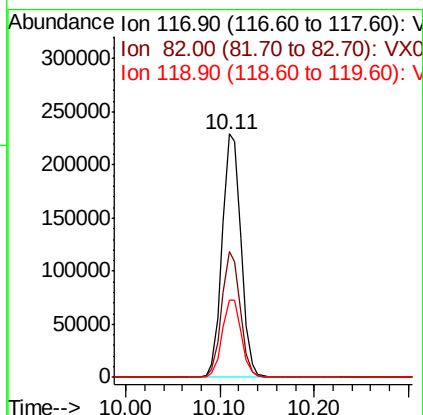
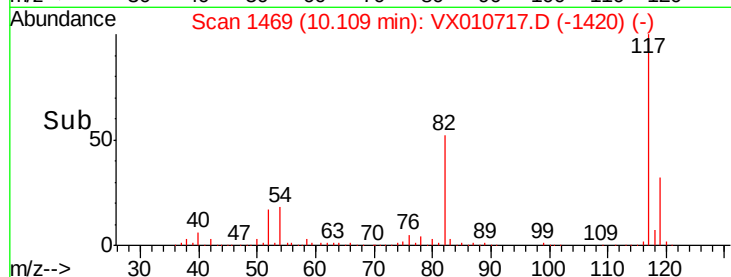
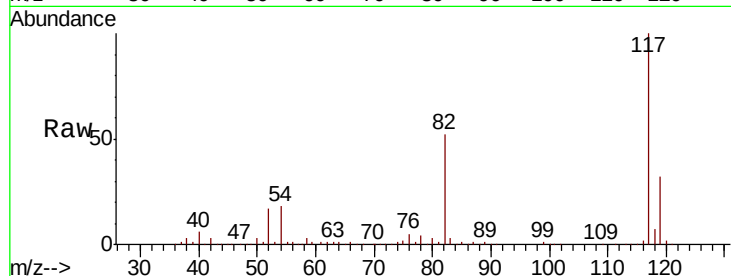




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010717.D
Acq: 09 Jul 2019 00:23

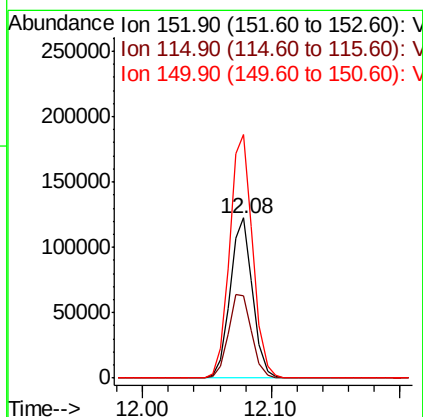
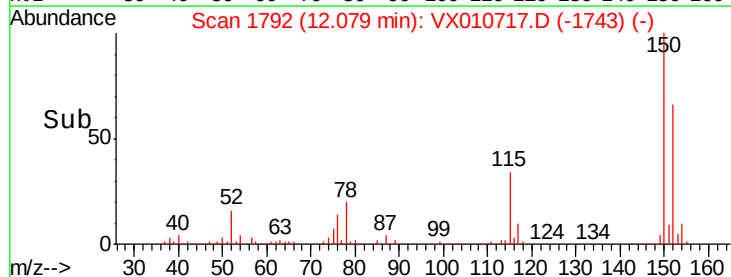
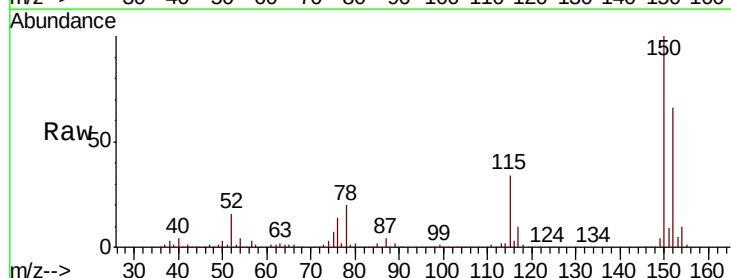
Instrument :
MSVOA_X
ClientSampleId :
WP022MW001-190704

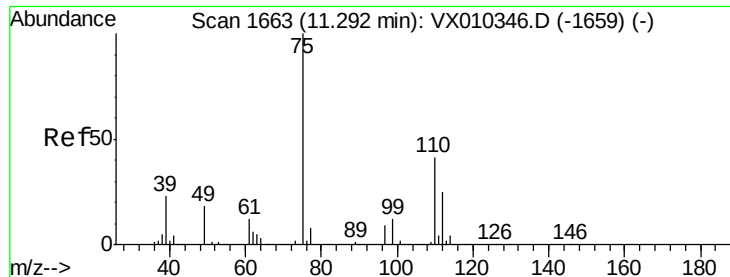
Tot Ion:117 Resp: 317822
Ion Ratio Lower Upper
117 100
82 51.7 41.2 61.8
119 31.7 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010717.D
Acq: 09 Jul 2019 00:23

Tgt Ion:152 Resp: 148918
Ion Ratio Lower Upper
152 100
115 55.0 38.6 115.7
150 156.3 0.0 347.4





#76

1,2,3-Trichloropropane

Concen: 25.684 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010717.D

Acq: 09 Jul 2019 00:23

Instrument :

MSVOA_X

ClientSampleId :

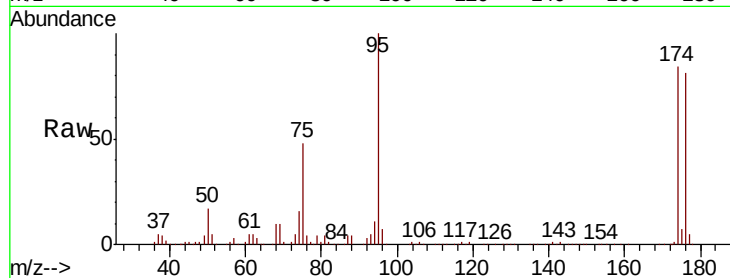
WP022MW001-190704

Tot Ion: 75 Resp: 69698

Ion Ratio Lower Upper

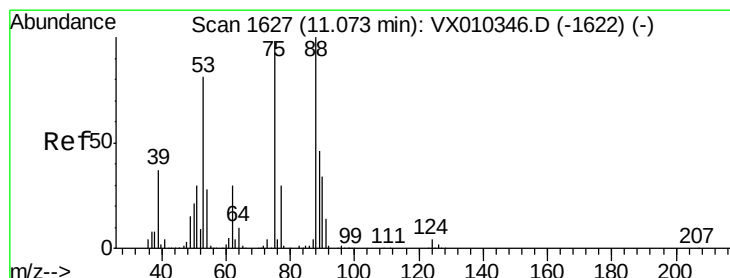
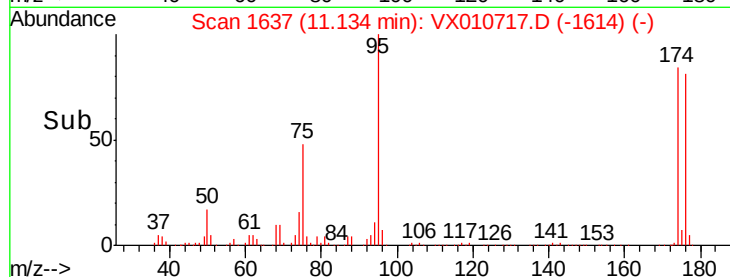
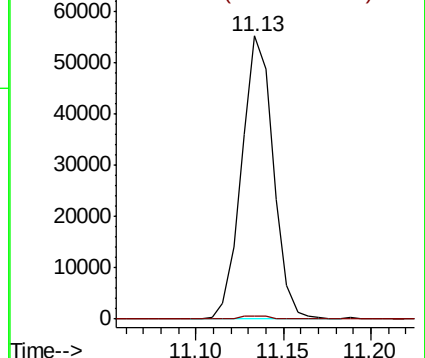
75 100

77 1.3 22.6 67.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 59.918 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010717.D

Acq: 09 Jul 2019 00:23

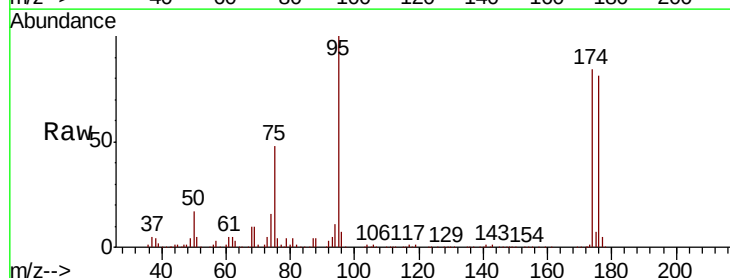
Tgt Ion: 75 Resp: 69698

Ion Ratio Lower Upper

75 100

53 0.1 66.1 99.1#

89 0.0 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

