

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032519\
 Data File : VX008437.D
 Acq On : 26 Mar 2019 02:02
 Operator : JC/SP
 Sample : K2059-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-6

Quant Time: Mar 26 06:08:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 04:58:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	237372	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	405081	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	349467	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	145681	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	171772	47.73	ug/l	0.00
Spiked Amount			Recovery	=	95.46%	
35) Dibromofluoromethane	5.50	113	125025	47.33	ug/l	0.00
Spiked Amount			Recovery	=	94.66%	
50) Toluene-d8	8.71	98	508615	48.16	ug/l	0.00
Spiked Amount			Recovery	=	96.32%	
62) 4-Bromofluorobenzene	11.13	95	172545	44.09	ug/l	0.00
Spiked Amount			Recovery	=	88.18%	

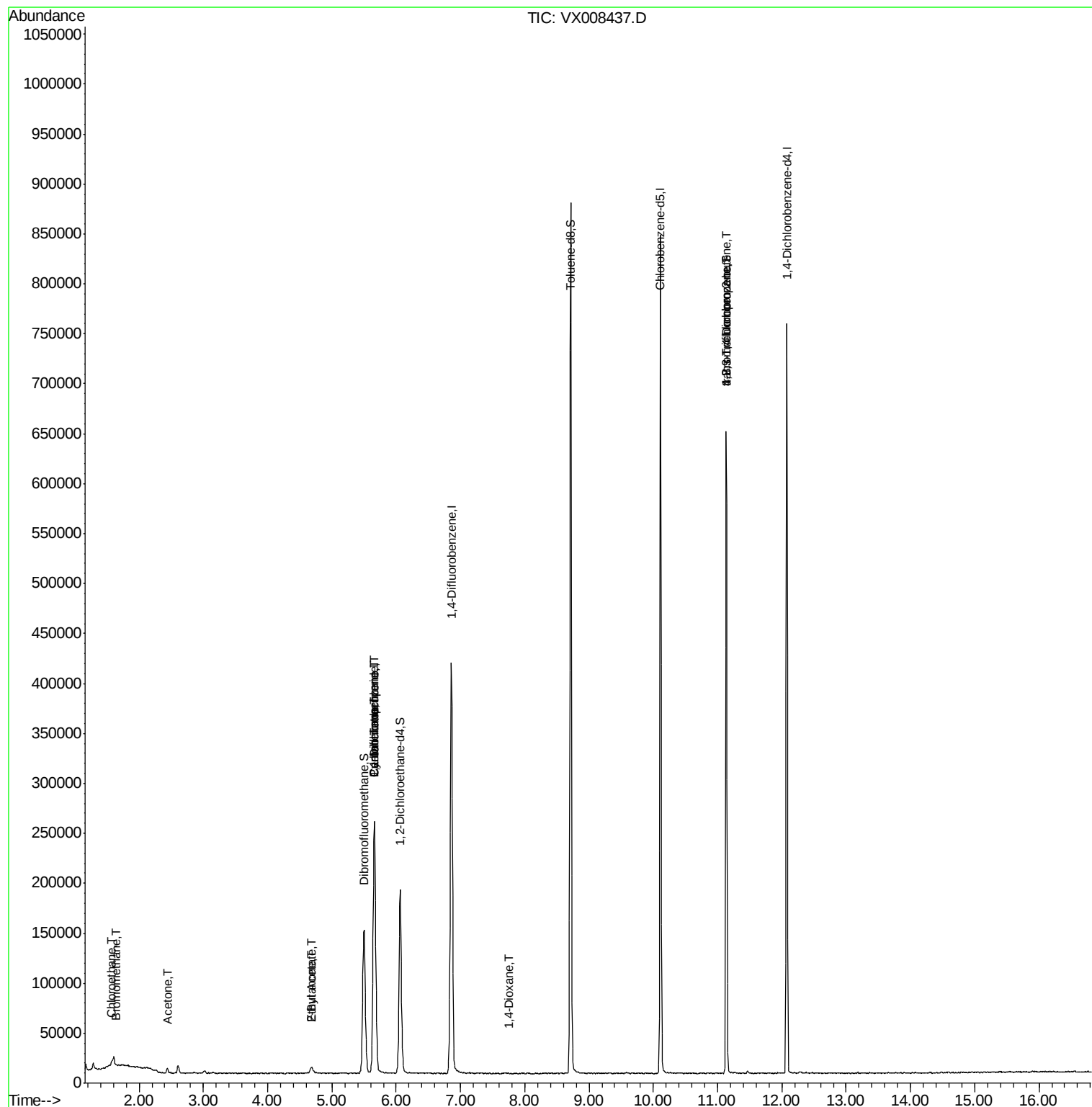
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	314	Below Cal	#	58
5) Bromomethane	1.65	94	207	1.905	ug/l #	76
6) Chloroethane	1.56	64	11571	5.000	ug/l #	48
16) Acetone	2.44	43	5437	2.891	ug/l	96
20) Methylene Chloride	2.85	84	453	Below Cal	#	84
21) trans-1,2-Dichloroethene	3.18	96	43	Below Cal	#	36
25) 2-Butanone	4.68	43	9311	3.088	ug/l	96
31) Cyclohexane	5.66	56	5909	1.024	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	20432	4.731	ug/l #	51
37) Ethyl Acetate	4.68	43	9311	1.664	ug/l #	72
38) Carbon Tetrachloride	5.67	117	23695	6.574	ug/l #	15
49) 1,4-Dioxane	7.76	88	21	0.236	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	88647	20.468	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	88647	65.556	ug/l #	9

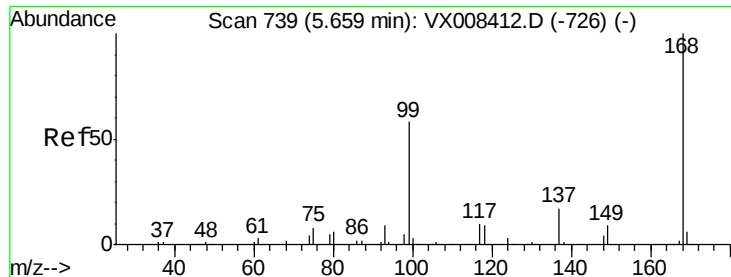
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Mar 26 04:58:03 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008437.D

Acq: 26 Mar 2019 02:02

Instrument :

MSVOA_X

ClientSampleId :

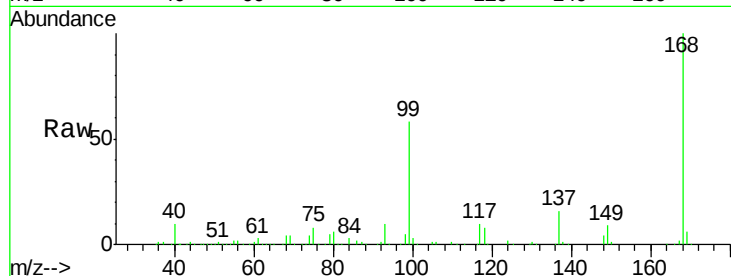
MW-6

Tot Ion:168 Resp: 237372

Ion Ratio Lower Upper

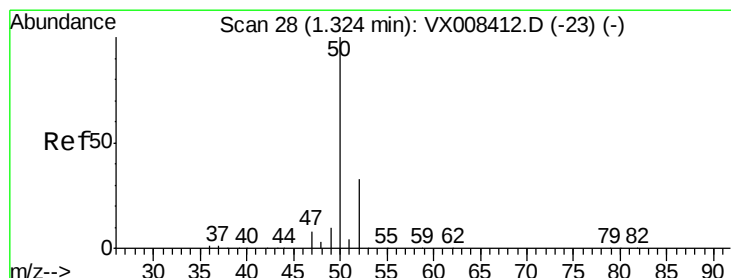
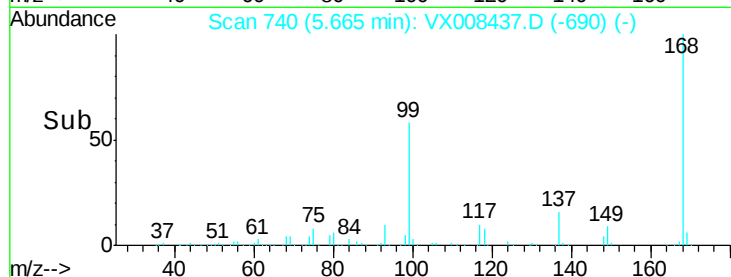
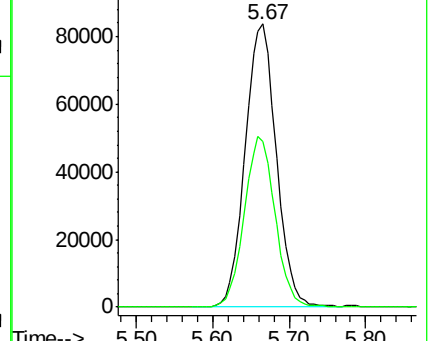
168 100

99 58.4 46.0 69.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008437.D

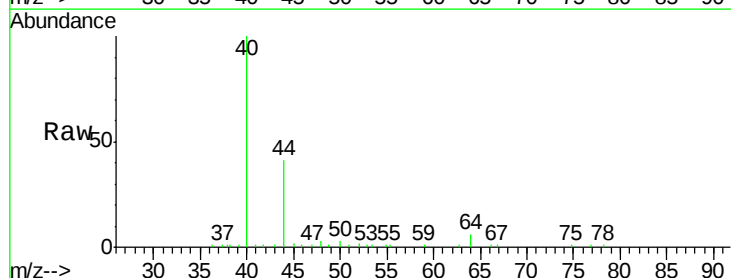
Acq: 26 Mar 2019 02:02

Tgt Ion: 50 Resp: 314

Ion Ratio Lower Upper

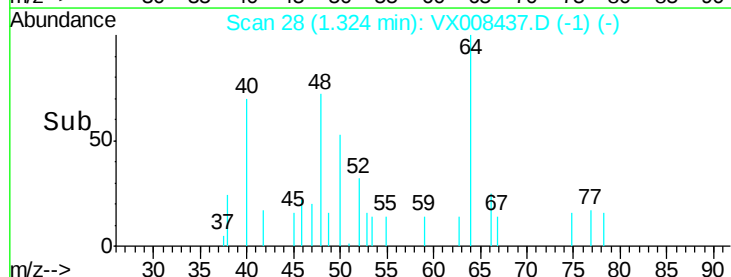
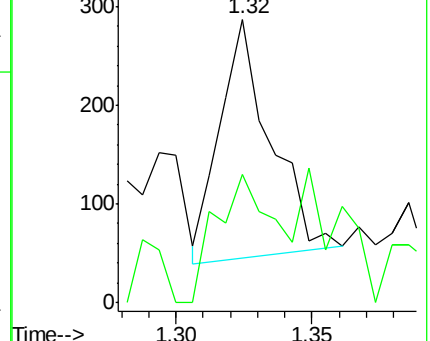
50 100

52 56.5 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 1.905 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX008437.D

Acq: 26 Mar 2019 02:02

Instrument :

MSVOA_X

ClientSampled :

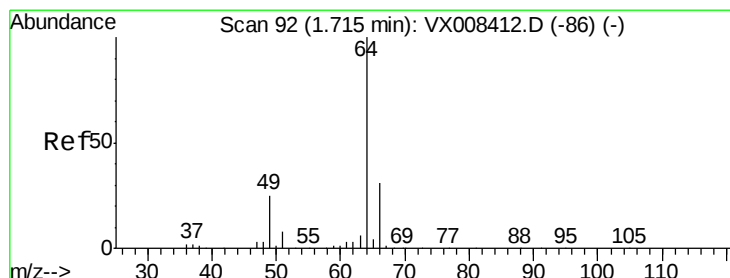
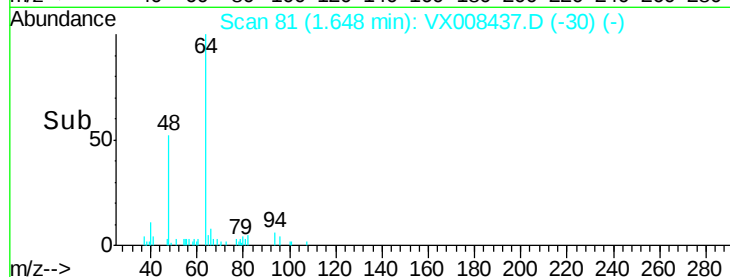
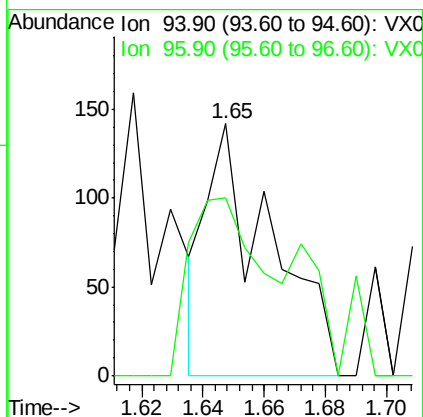
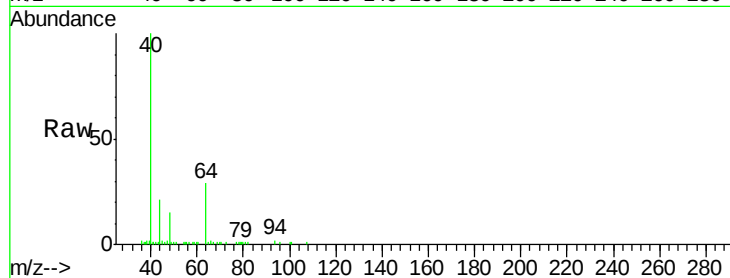
MW-6

Tot Ion: 94 Resp: 207

Ion Ratio Lower Upper

94 100

96 70.4 74.8 112.2#



#6

Chloroethane

Concen: 5.000 ug/l

RT: 1.56 min Scan# 67

Delta R.T. -0.15 min

Lab File: VX008437.D

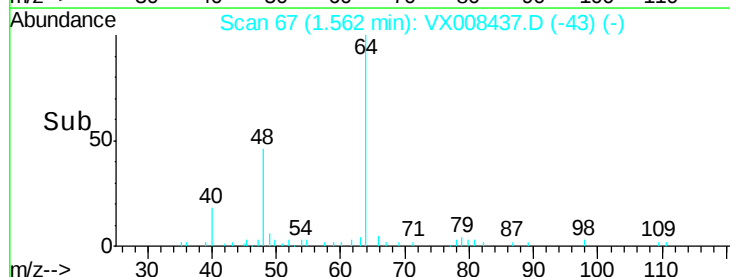
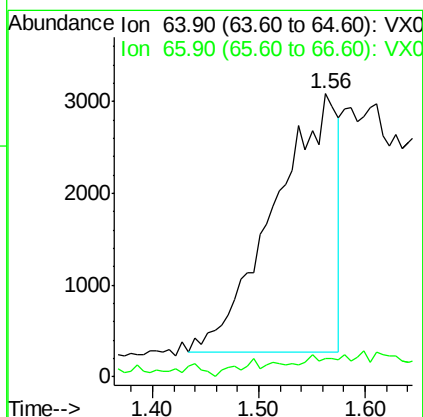
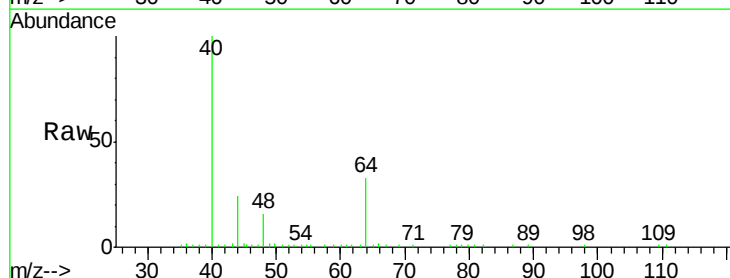
Acq: 26 Mar 2019 02:02

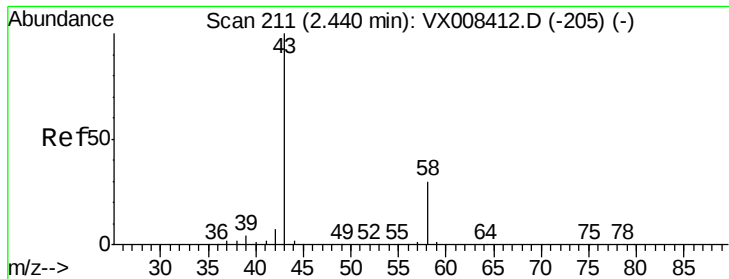
Tgt Ion: 64 Resp: 11571

Ion Ratio Lower Upper

64 100

66 2.8 25.1 37.7#





#16

Acetone

Concen: 2.891 ug/l

RT: 2.44 min Scan# 211

Delta R.T. 0.00 min

Lab File: VX008437.D

Acq: 26 Mar 2019 02:02

Instrument :

MSVOA_X

ClientSampleId :

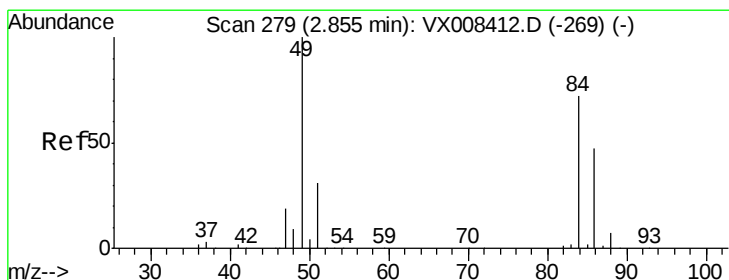
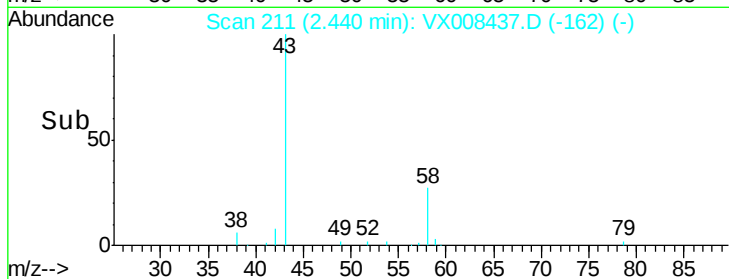
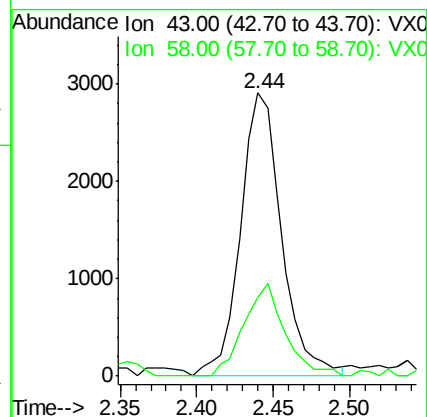
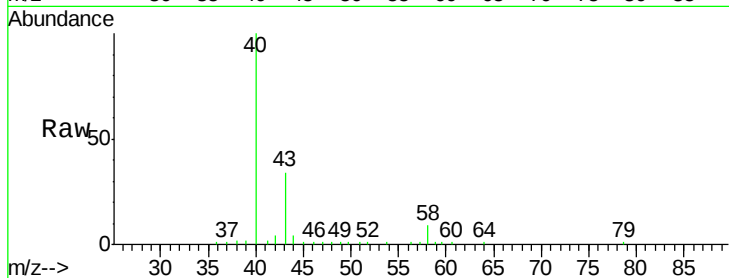
MW-6

Tot Ion: 43 Resp: 5437

Ion Ratio Lower Upper

43 100

58 27.9 24.2 36.2



#20

Methylene Chloride

Concen: Below Cal

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX008437.D

Acq: 26 Mar 2019 02:02

Tgt Ion: 84 Resp: 453

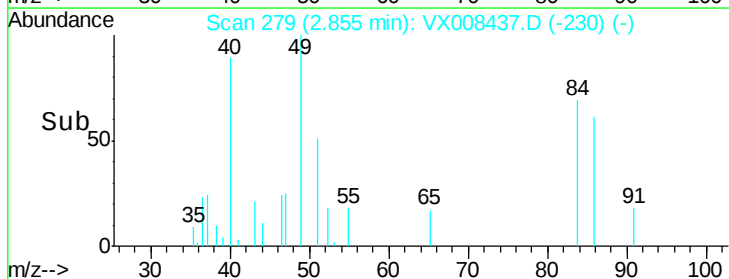
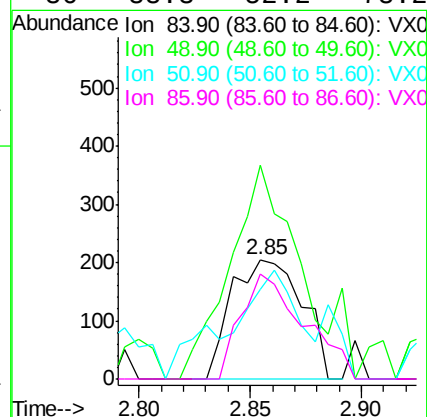
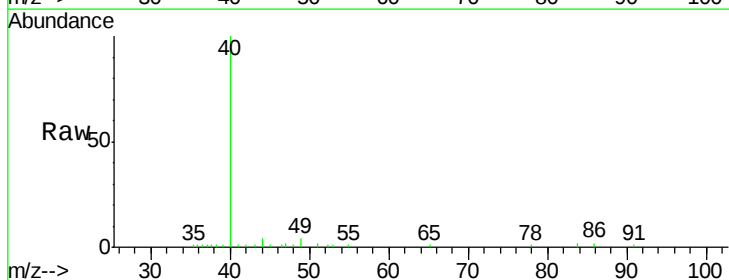
Ion Ratio Lower Upper

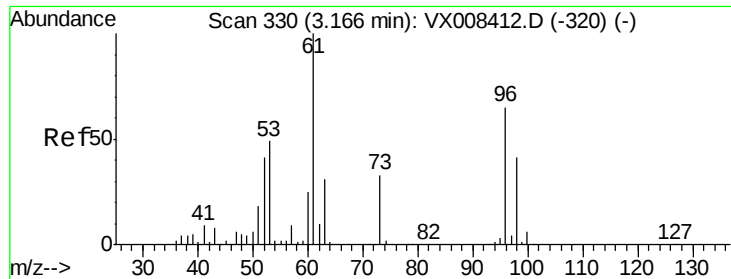
84 100

49 154.1 110.6 165.8

51 41.0 33.9 50.9

86 88.3 52.2 78.2#





#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 3.18 min Scan# 332

Delta R.T. 0.01 min

Lab File: VX008437.D

Acq: 26 Mar 2019 02:02

Instrument :

MSVOA_X

ClientSampled :

MW-6

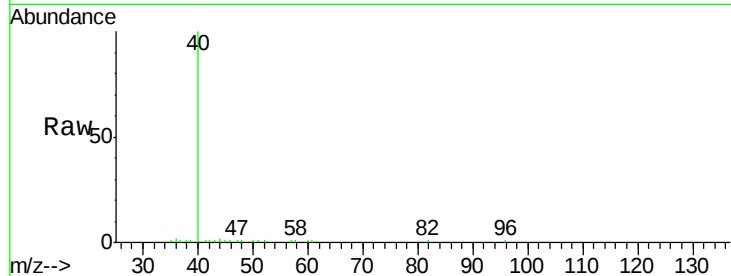
Tot Ion: 96 Resp: 43

Ion Ratio Lower Upper

96 100

61 81.0 122.6 184.0#

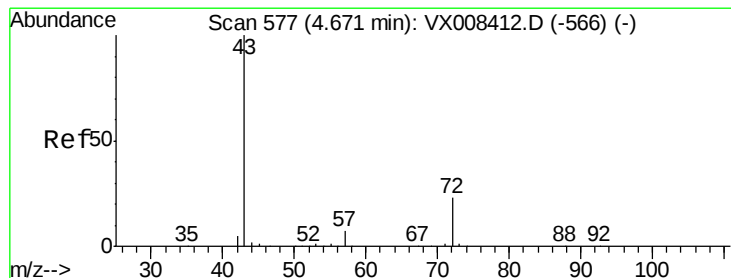
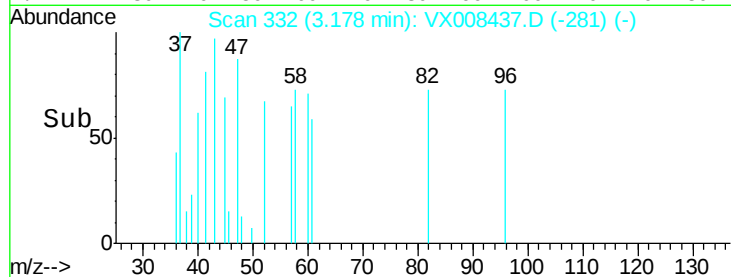
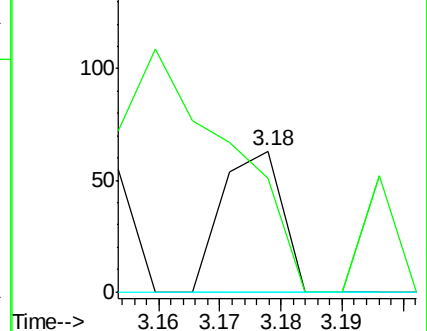
98 0.0 50.9 76.3#



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



#25

2-Butanone

Concen: 3.088 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX008437.D

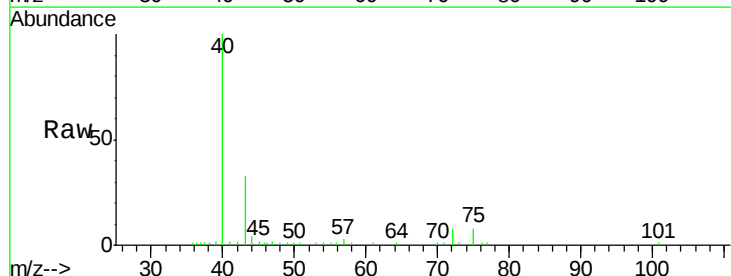
Acq: 26 Mar 2019 02:02

Tgt Ion: 43 Resp: 9311

Ion Ratio Lower Upper

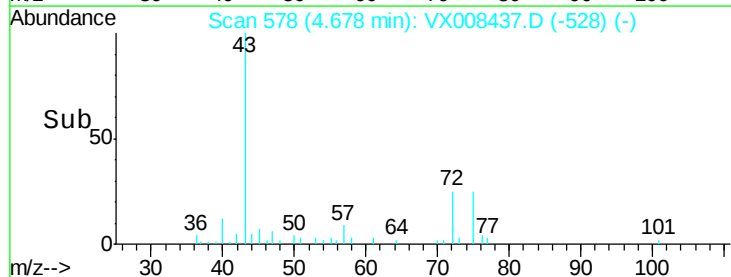
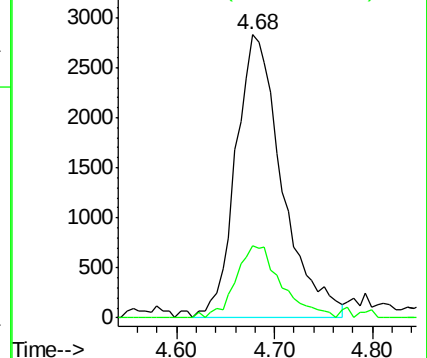
43 100

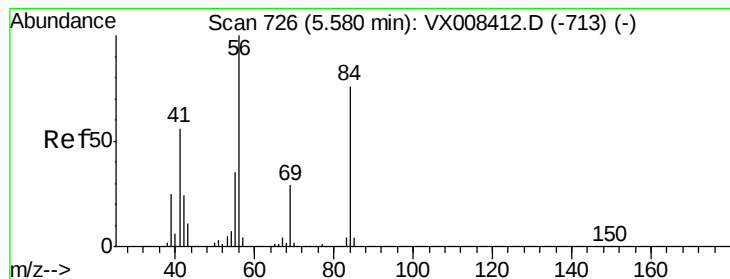
72 25.4 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#31

Cyclohexane

Concen: 1.024 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX008437.D

Acq: 26 Mar 2019 02:02

Instrument :

MSVOA_X

ClientSampleId :

MW-6

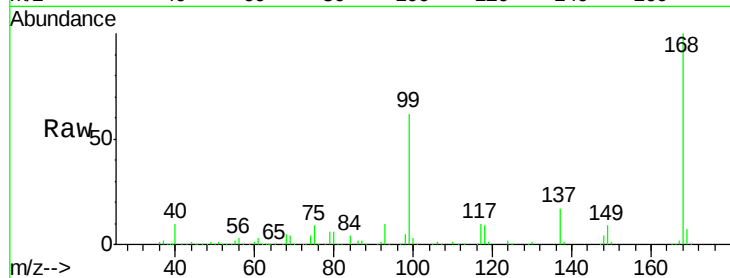
Tot Ion: 56 Resp: 5909

Ion Ratio Lower Upper

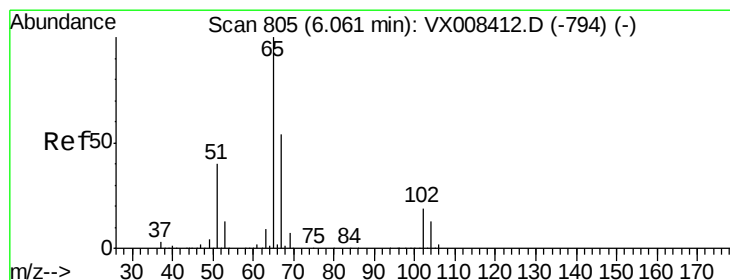
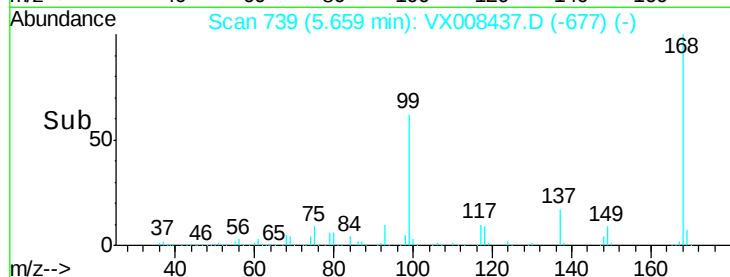
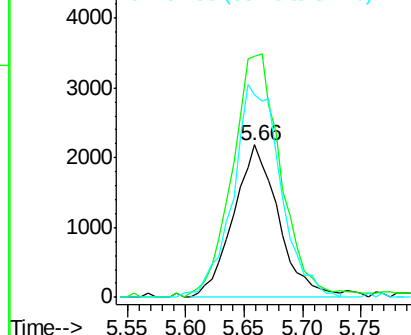
56 100

69 154.5 23.2 34.8#

84 132.8 60.7 91.1#



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: 47.733 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX008437.D

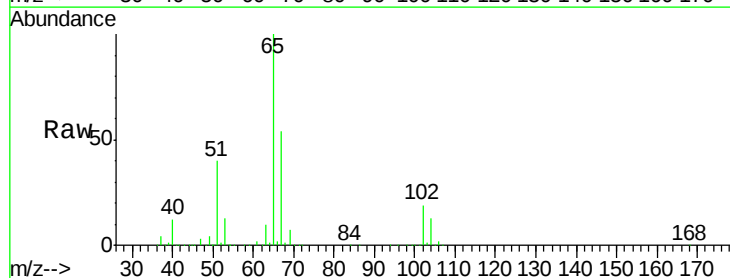
Acq: 26 Mar 2019 02:02

Tgt Ion: 65 Resp: 171772

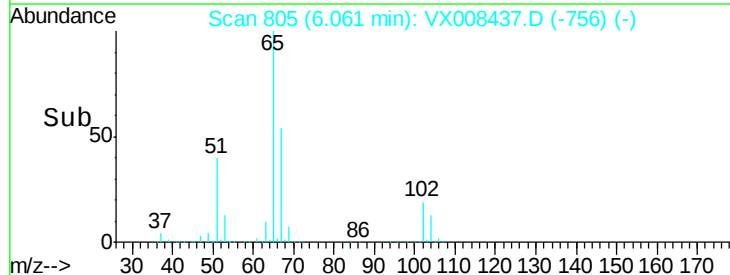
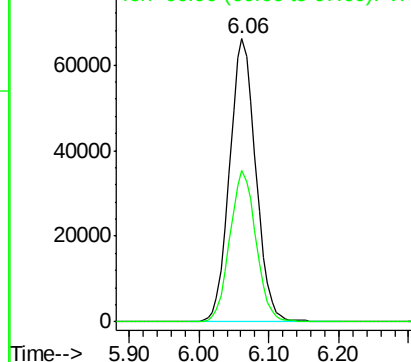
Ion Ratio Lower Upper

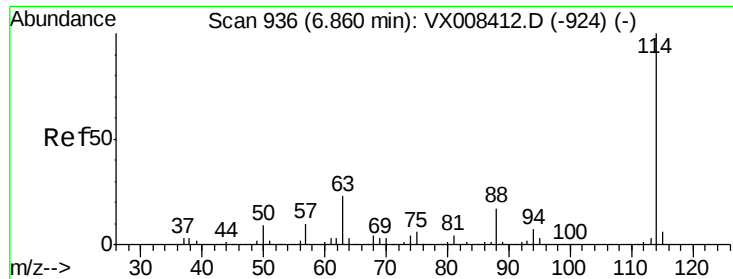
65 100

67 53.4 0.0 109.4



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

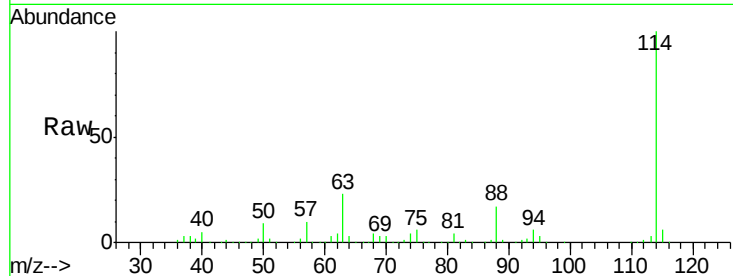




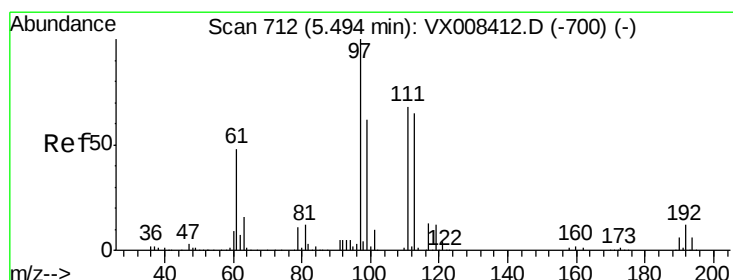
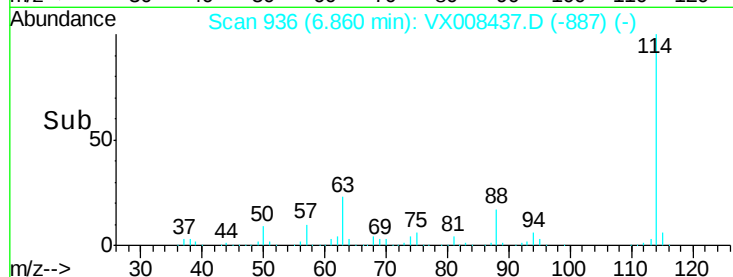
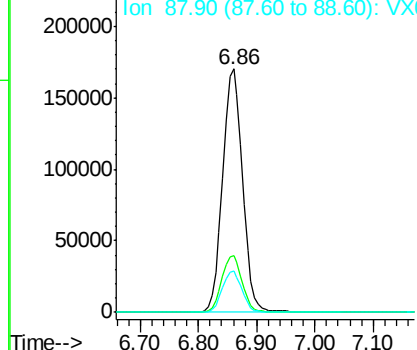
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX008437.D
Acq: 26 Mar 2019 02:02

Instrument :
MSVOA_X
ClientSampleId :
MW-6

Tot Ion:114 Resp: 405081
Ion Ratio Lower Upper
114 100
63 23.4 0.0 46.4
88 17.0 0.0 33.2

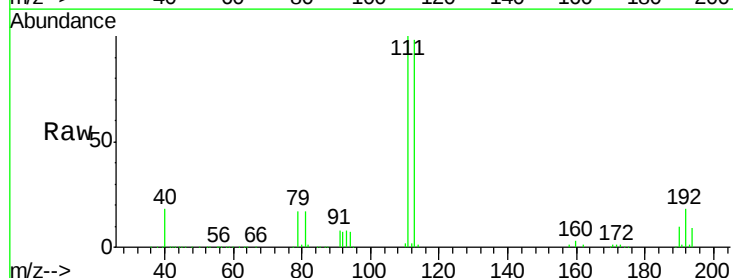


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

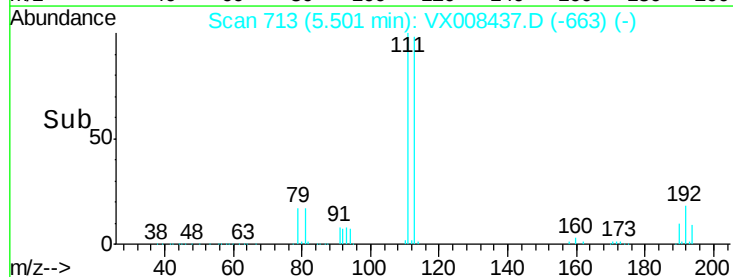
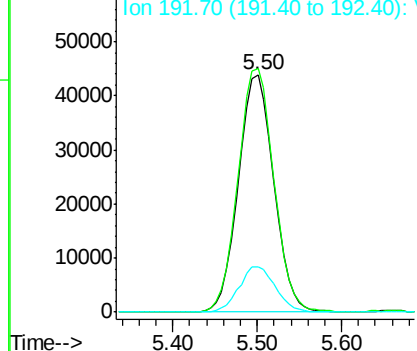


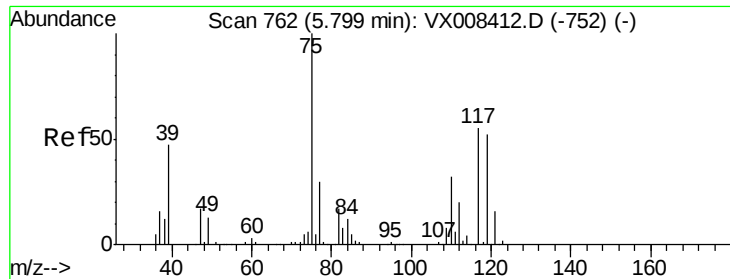
#35
Dibromofluoromethane
Concen: 47.334 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX008437.D
Acq: 26 Mar 2019 02:02

Tgt Ion:113 Resp: 125025
Ion Ratio Lower Upper
113 100
111 103.7 83.0 124.4
192 19.5 15.6 23.4



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

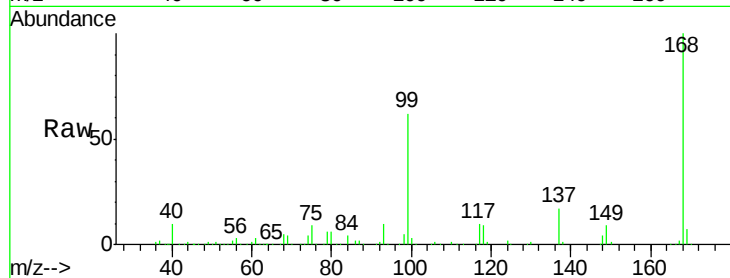




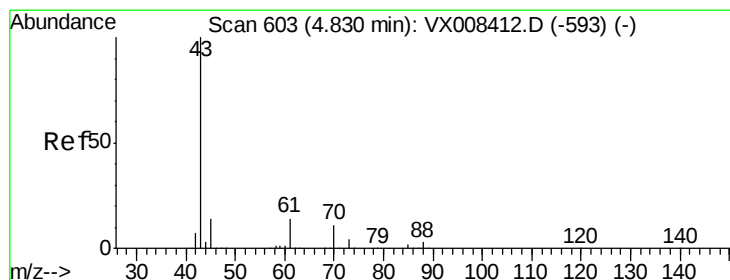
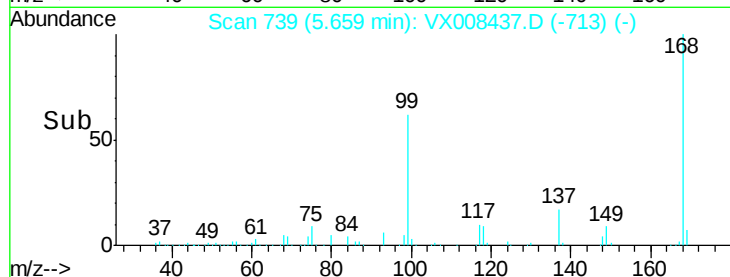
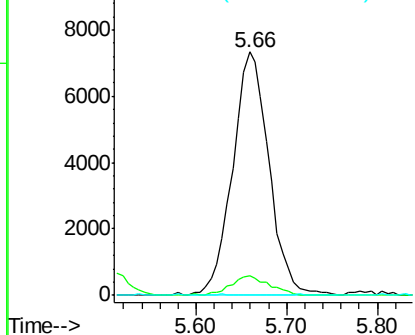
#36
 1,1-Dichloropropene
 Concen: 4.731 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008437.D
 Acq: 26 Mar 2019 02:02

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-6

Tot Ion: 75 Resp: 20432
 Ion Ratio Lower Upper
 75 100
 110 8.4 16.6 49.7#
 77 0.0 24.2 36.2#

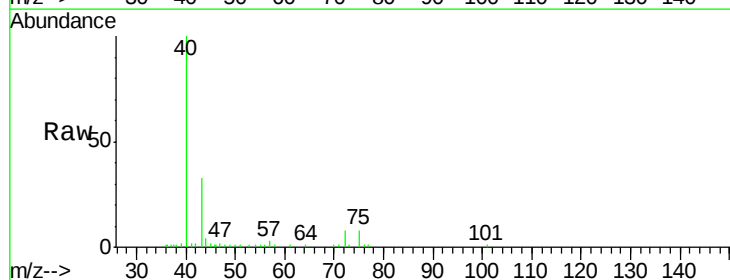


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

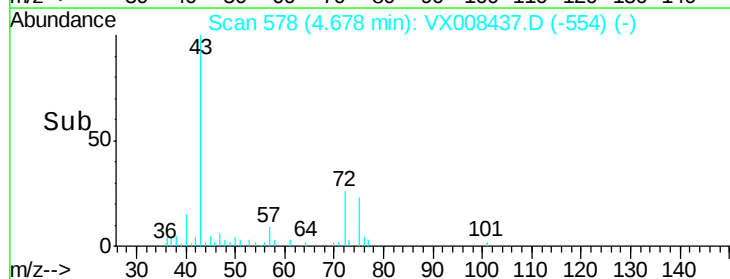
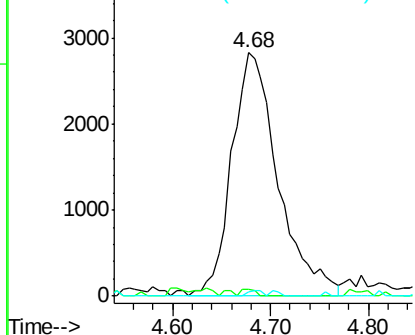


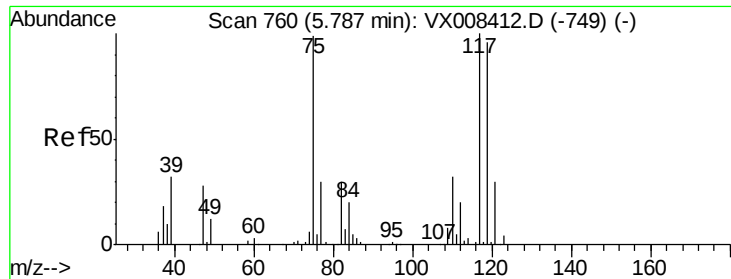
#37
 Ethyl Acetate
 Concen: 1.664 ug/l
 RT: 4.68 min Scan# 578
 Delta R.T. -0.15 min
 Lab File: VX008437.D
 Acq: 26 Mar 2019 02:02

Tgt Ion: 43 Resp: 9311
 Ion Ratio Lower Upper
 43 100
 61 0.9 10.5 15.7#
 70 0.7 7.8 11.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 70.00 (69.70 to 70.70): VX0





#38

Carbon Tetrachloride

Concen: 6.574 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008437.D

Acq: 26 Mar 2019 02:02

Instrument :

MSVOA_X

ClientSampled :

MW-6

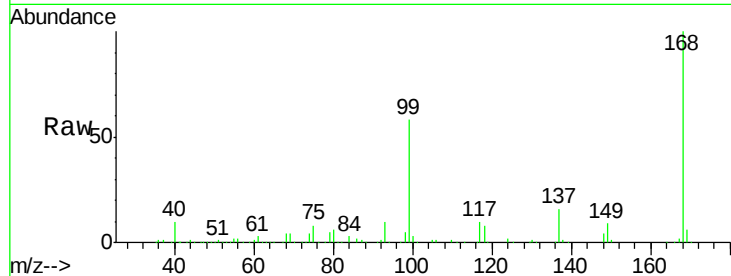
Tot Ion:117 Resp: 23695

Ion Ratio Lower Upper

117 100

119 4.3 76.7 115.1#

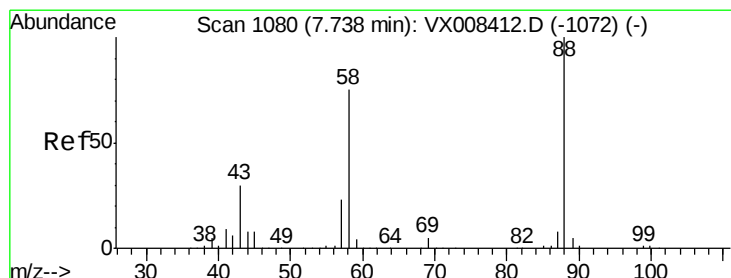
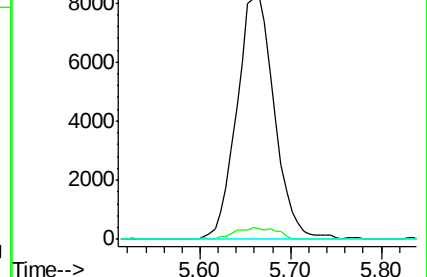
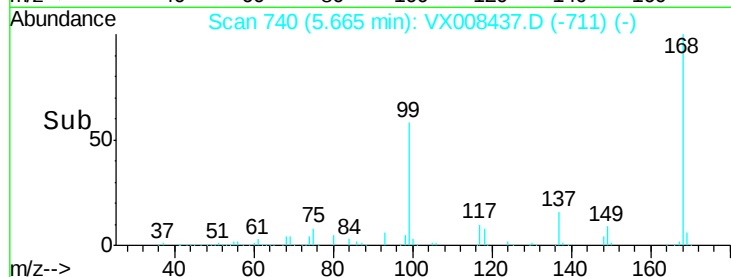
121 0.0 24.3 36.5#



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: 0.236 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. 0.02 min

Lab File: VX008437.D

Acq: 26 Mar 2019 02:02

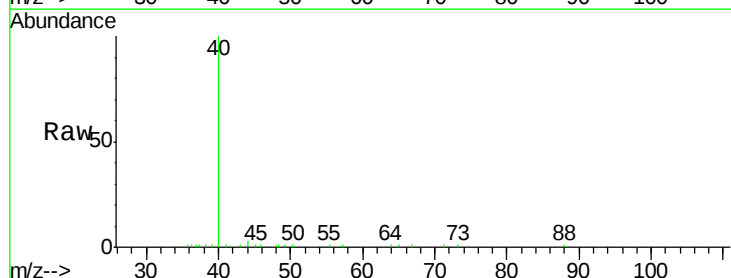
Tgt Ion: 88 Resp: 21

Ion Ratio Lower Upper

88 100

43 642.9 28.6 43.0#

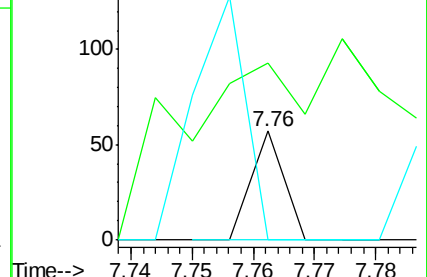
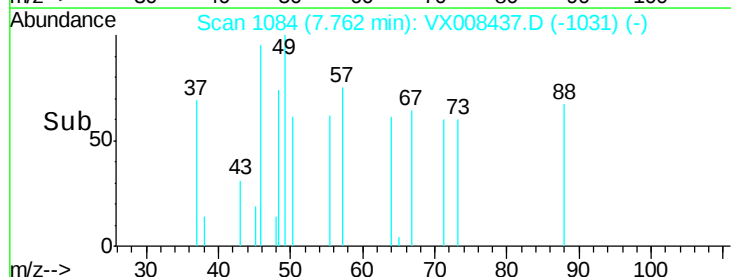
58 357.1 63.0 94.4#

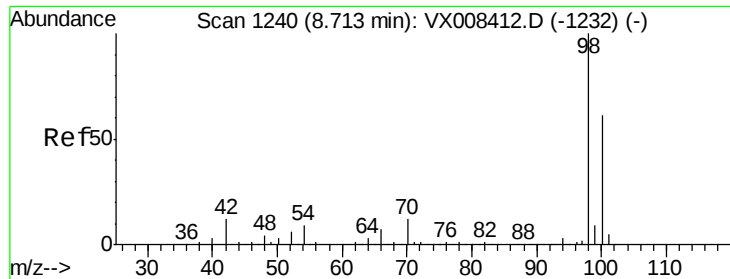


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

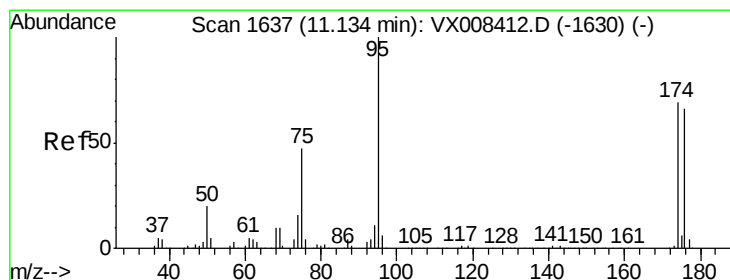
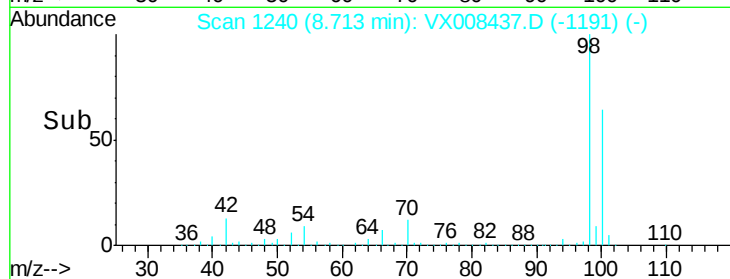
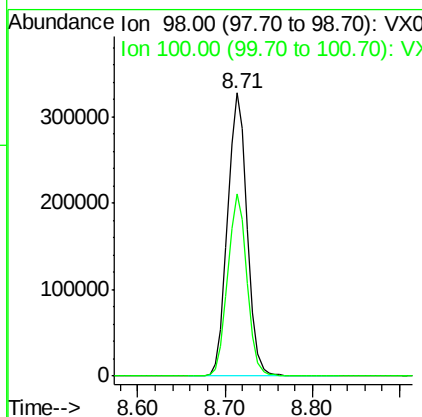
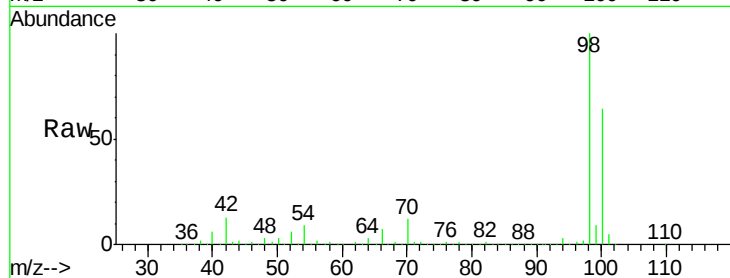




#50
Toluene-d8
Concen: 48.157 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008437.D
Acq: 26 Mar 2019 02:02

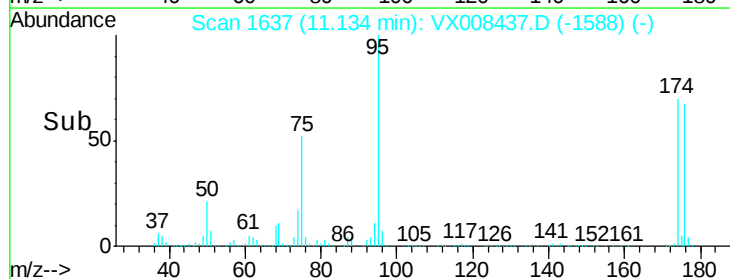
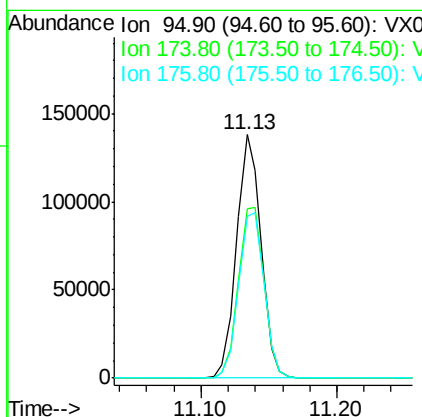
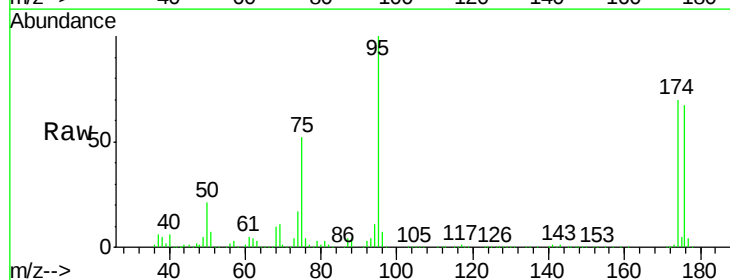
Instrument :
MSVOA_X
ClientSampleId :
MW-6

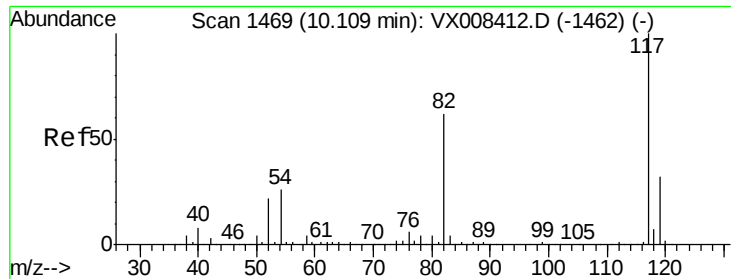
Tot Ion: 98 Resp: 508615
Ion Ratio Lower Upper
98 100
100 63.4 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 44.087 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX008437.D
Acq: 26 Mar 2019 02:02

Tgt Ion: 95 Resp: 172545
Ion Ratio Lower Upper
95 100
174 73.9 0.0 147.2
176 71.3 0.0 142.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX008437.D

Acq: 26 Mar 2019 02:02

Instrument :

MSVOA_X

ClientSampleId :

MW-6

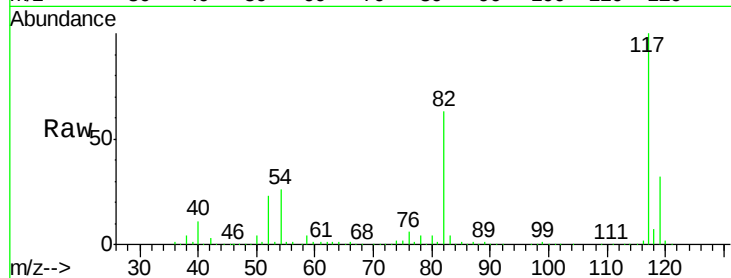
Tot Ion:117 Resp: 349467

Ion Ratio Lower Upper

117 100

82 62.7 49.4 74.2

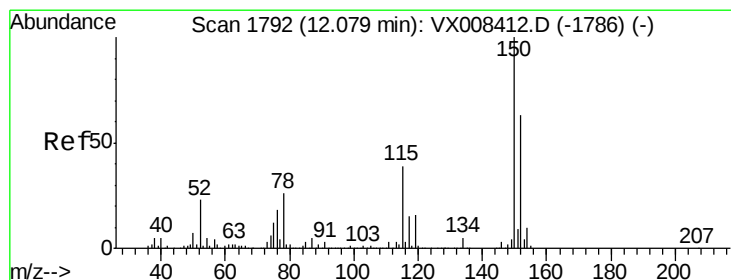
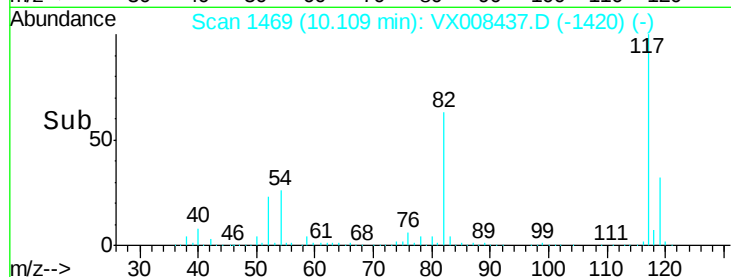
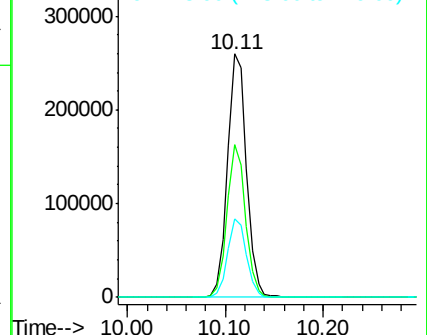
119 32.3 25.4 38.0



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: VX008437.D

Acq: 26 Mar 2019 02:02

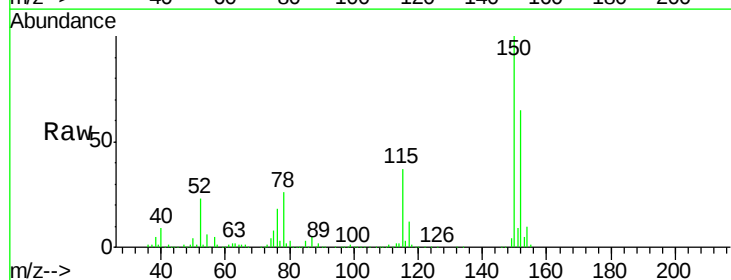
Tgt Ion:152 Resp: 145681

Ion Ratio Lower Upper

152 100

115 60.8 43.5 130.5

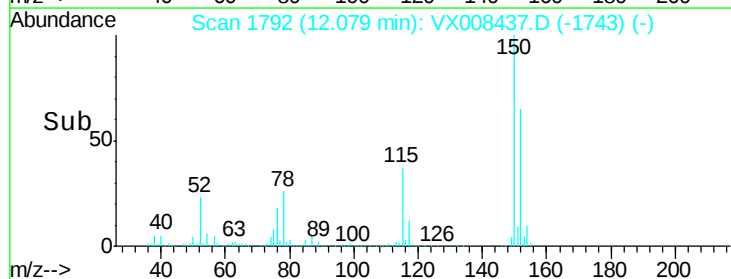
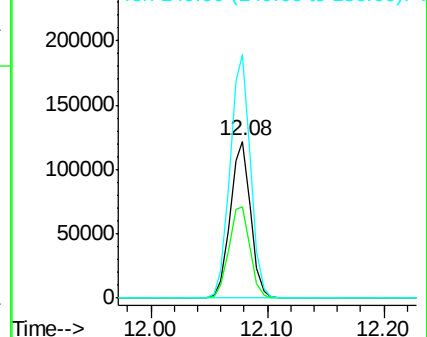
150 156.3 0.0 348.8

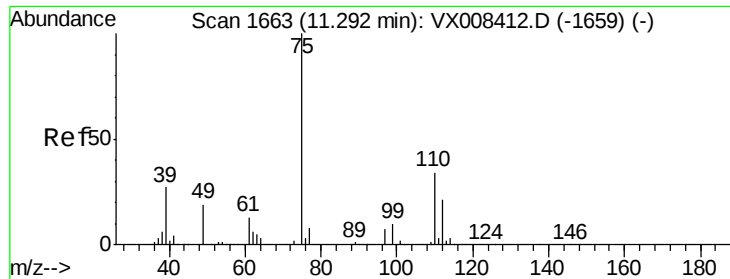


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 20.468 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008437.D

Acq: 26 Mar 2019 02:02

Instrument :

MSVOA_X

ClientSampleId :

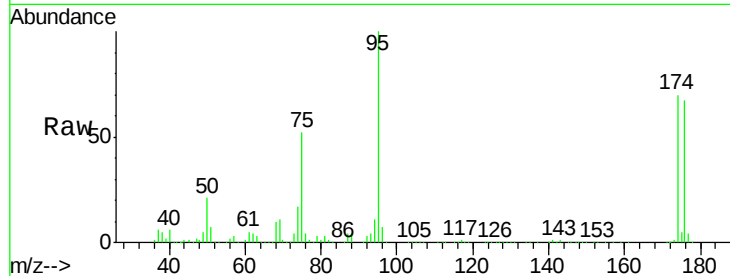
MW-6

Tot Ion: 75 Resp: 88647

Ion Ratio Lower Upper

75 100

77 1.5 21.9 65.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

80000

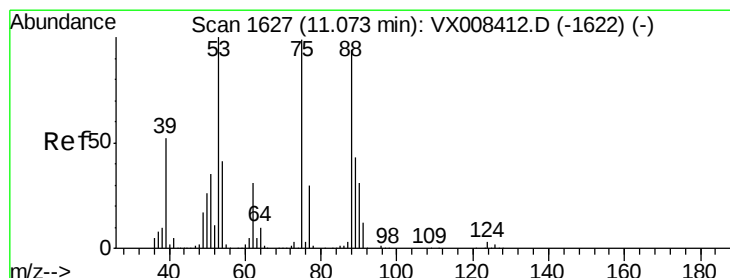
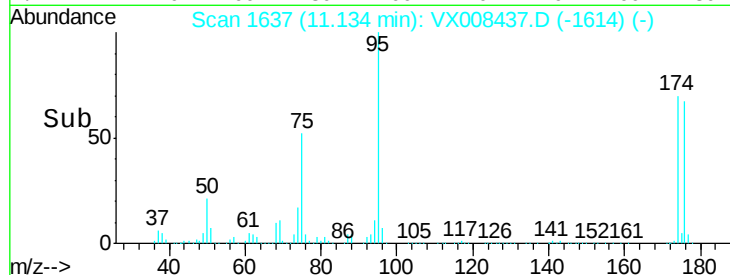
60000

40000

20000

0

Time--> 11.05 11.10 11.15 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 65.556 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008437.D

Acq: 26 Mar 2019 02:02

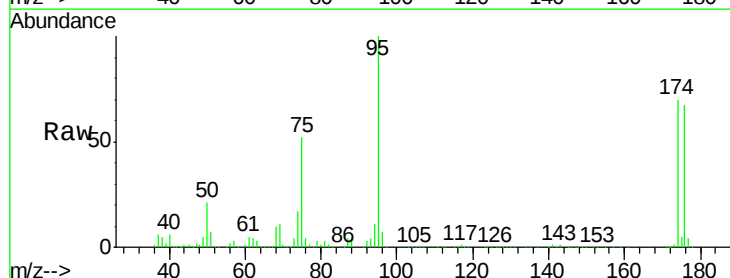
Tgt Ion: 75 Resp: 88647

Ion Ratio Lower Upper

75 100

53 0.1 82.1 123.1#

89 0.1 34.6 52.0#



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

100000

80000

60000

40000

20000

0

Time--> 11.05 11.10 11.15 11.20

