

Data File : VX001858.D

Acq On : 19 May 2018 06:27

Operator : JC/MD

Sample : PB109413ZHE#09

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB109413ZHE#09

Quant Time: May 21 03:22:35 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M

Quant Title : SW846 8260

QLast Update : Tue May 15 01:36:22 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	270090	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	365899	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	278763	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	147297	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	158708	43.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.68%	
35) Dibromofluoromethane	5.51	113	140725	45.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.14%	
50) Toluene-d8	8.72	98	510500	46.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.32%	
62) 4-Bromofluorobenzene	11.14	95	139381	35.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.00%	

Target Compounds

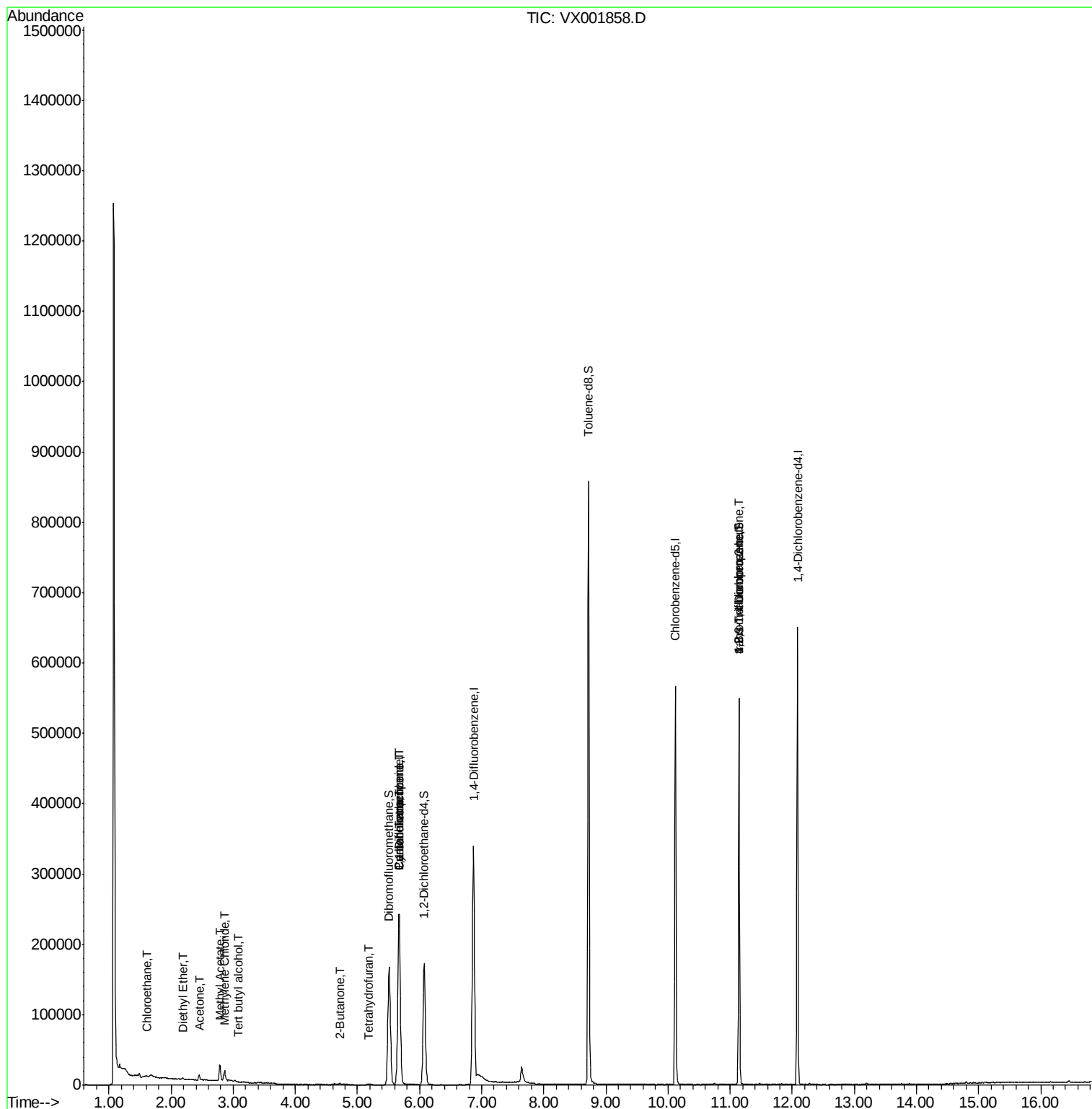
						Qvalue
5) Bromomethane	1.65	94	913	Below Cal		93
6) Chloroethane	1.62	64	1381	0.69 ug/l	#	65
8) Diethyl Ether	2.20	74	1203	0.64 ug/l		98
11) Tert butyl alcohol	3.09	59	207	0.32 ug/l	#	72
16) Acetone	2.45	43	8799	6.19 ug/l		99
18) Methyl Acetate	2.78	43	27108	6.52 ug/l		96
20) Methylene Chloride	2.86	84	7157	2.35 ug/l		96
25) 2-Butanone	4.71	43	3216	1.48 ug/l	#	90
29) Tetrahydrofuran	5.17	42	608	0.43 ug/l	#	40
31) Cyclohexane	5.67	56	4014	0.88 ug/l	#	1
36) 1,1-Dichloropropene	5.67	75	15258	3.62 ug/l	#	50
38) Carbon Tetrachloride	5.67	117	21783	4.94 ug/l	#	16
76) 1,2,3-Trichloropropane	11.14	75	63108	22.53 ug/l	#	40
81) trans-1,4-Dichloro-2-buten	11.14	75	63108	66.01 ug/l	#	10

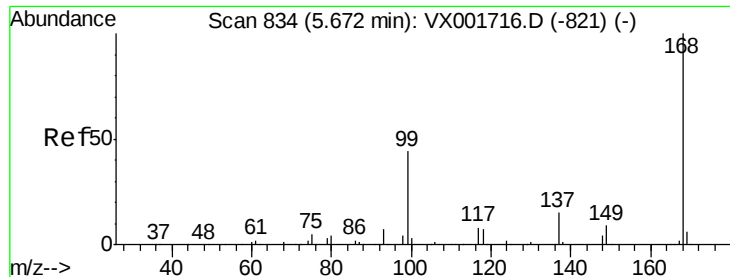
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

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Acq: 19 May 2018 06:27

Instrument :

MSVOA_X

ClientSampleId :

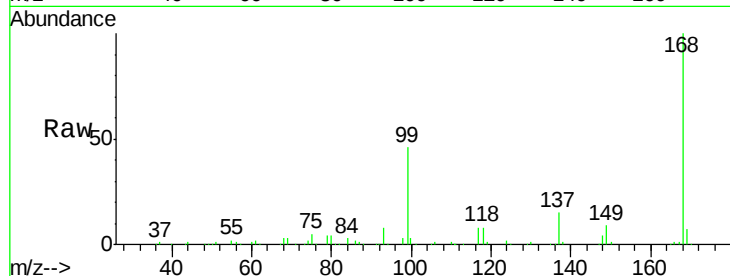
PB109413ZHE#09

Tgt Ion:168 Resp: 270090

Ion Ratio Lower Upper

168 100

99 46.1 35.0 52.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

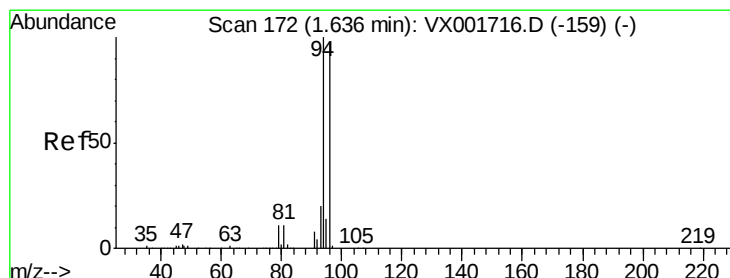
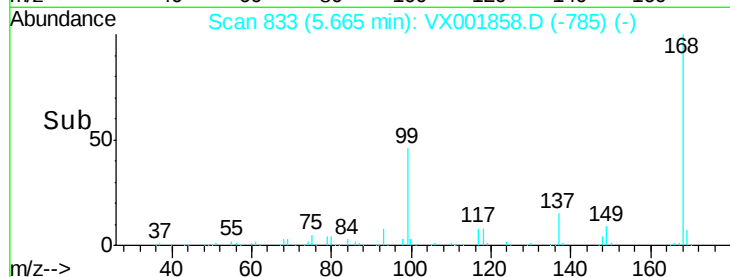
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX001858.D

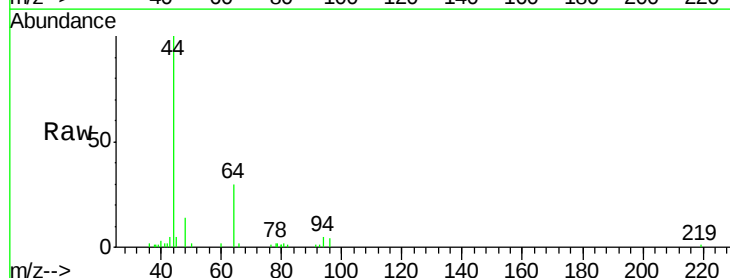
Acq: 19 May 2018 06:27

Tgt Ion: 94 Resp: 913

Ion Ratio Lower Upper

94 100

96 89.9 77.4 116.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

400

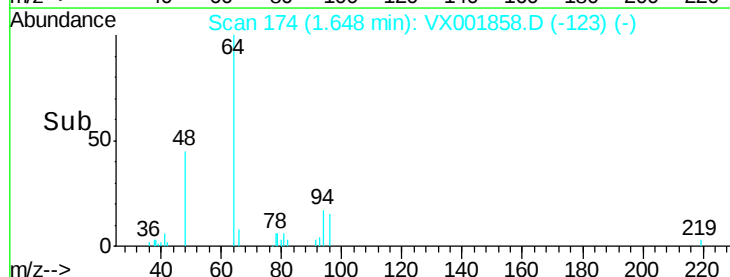
300

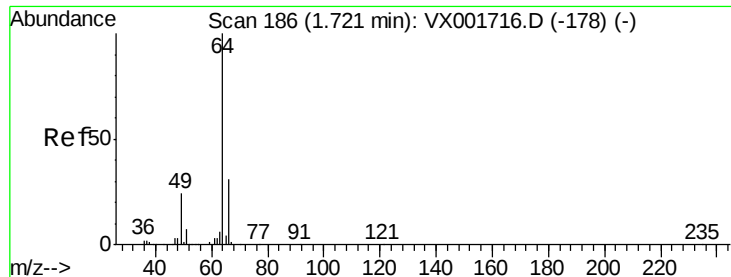
200

100

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: 0.69 ug/l

RT: 1.62 min Scan# 170

Delta R.T. -0.10 min

Lab File: VX001858.D

Acq: 19 May 2018 06:27

Instrument :

MSVOA_X

ClientSampleId :

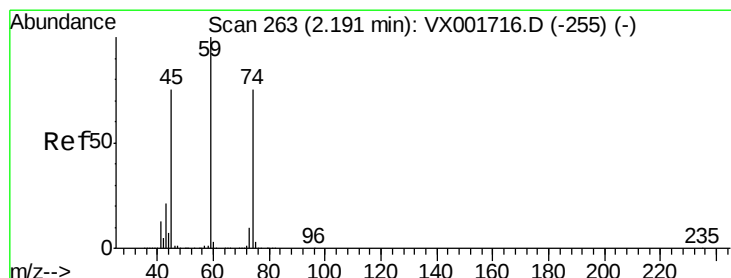
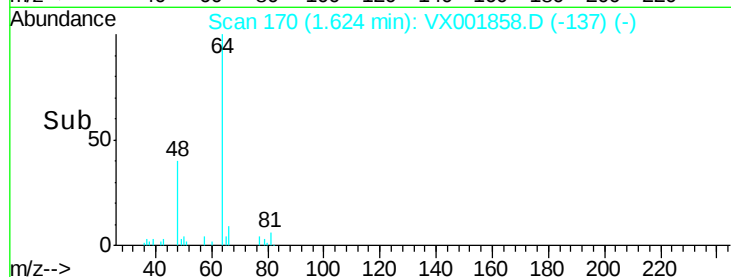
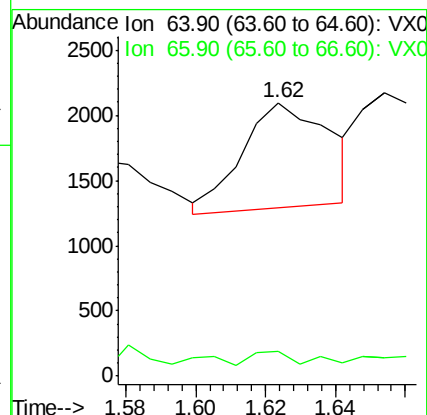
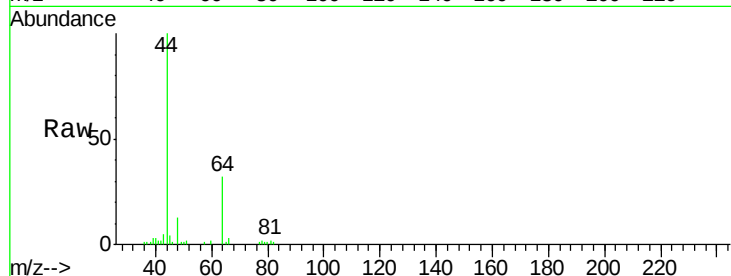
PB109413ZHE#09

Tgt Ion: 64 Resp: 1381

Ion Ratio Lower Upper

64 100

66 12.0 25.2 37.8#



#8

Diethyl Ether

Concen: 0.64 ug/l

RT: 2.20 min Scan# 264

Delta R.T. 0.01 min

Lab File: VX001858.D

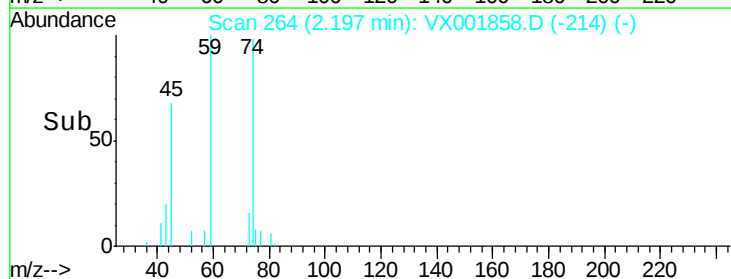
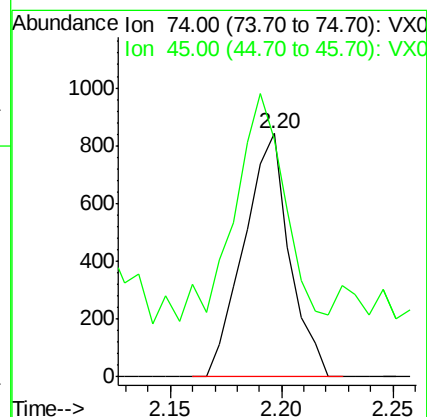
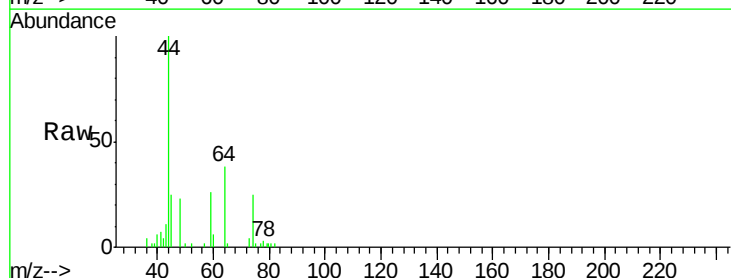
Acq: 19 May 2018 06:27

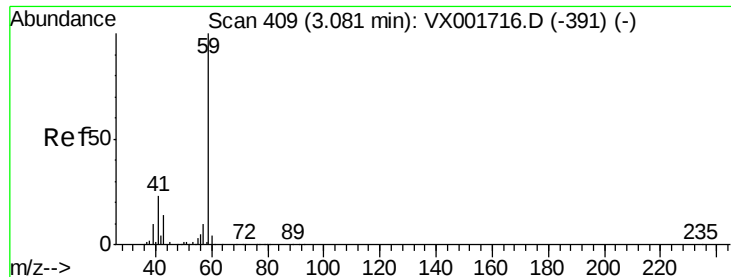
Tgt Ion: 74 Resp: 1203

Ion Ratio Lower Upper

74 100

45 101.8 50.0 149.8

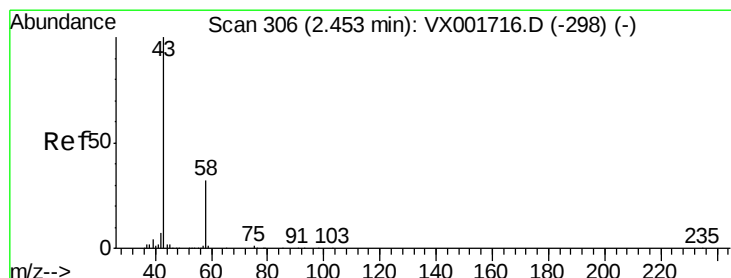
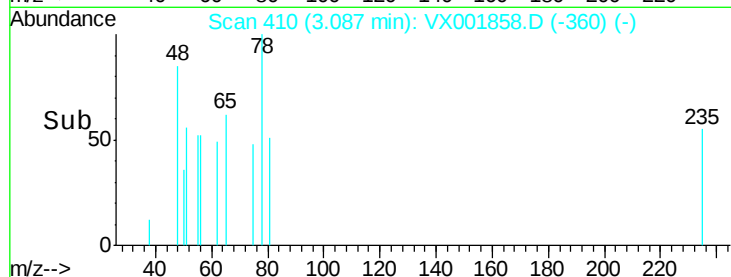
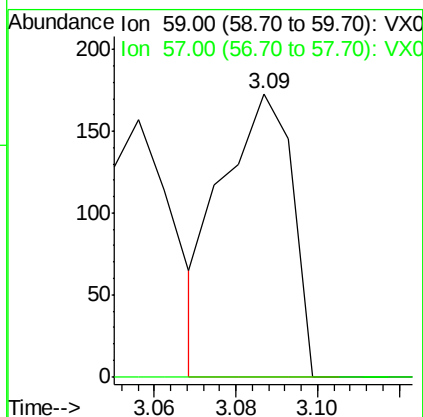
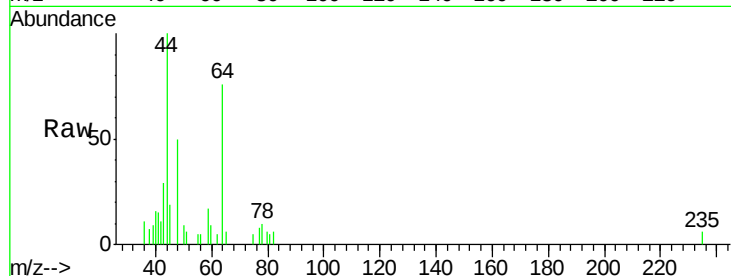




#11
Tert butyl alcohol
Concen: 0.32 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.01 min
Lab File: VX001858.D
Acq: 19 May 2018 06:27

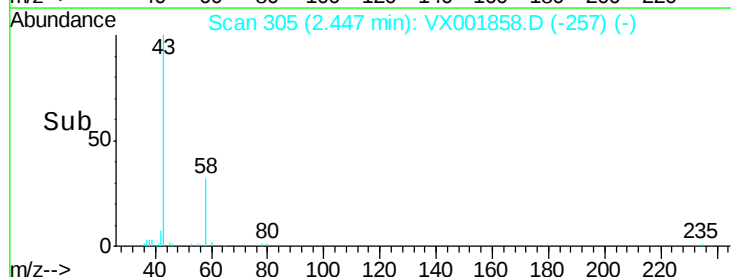
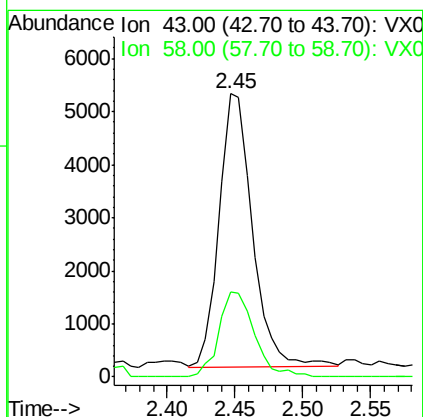
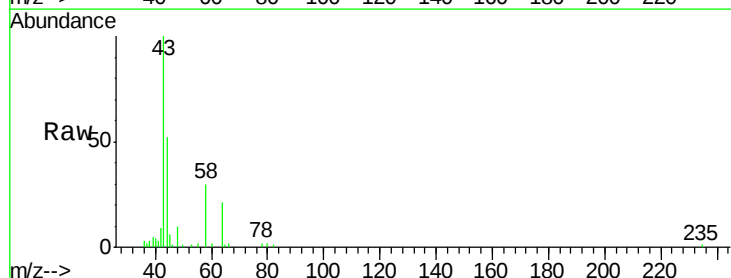
Instrument :
MSVOA_X
ClientSampleId :
PB109413ZHE#09

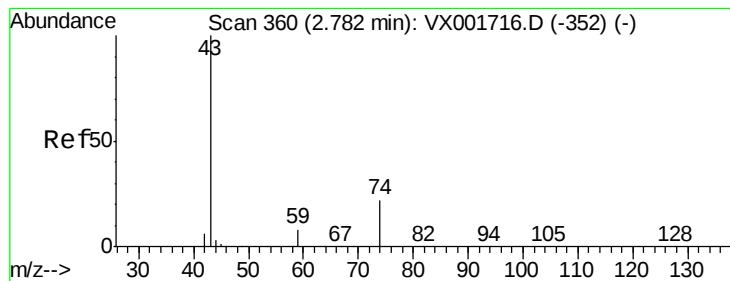
Tgt Ion: 59 Resp: 207
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 6.19 ug/l
RT: 2.45 min Scan# 305
Delta R.T. -0.01 min
Lab File: VX001858.D
Acq: 19 May 2018 06:27

Tgt Ion: 43 Resp: 8799
Ion Ratio Lower Upper
43 100
58 31.0 25.3 37.9





#18

Methyl Acetate

Concen: 6.52 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX001858.D

Acq: 19 May 2018 06:27

Instrument :

MSVOA_X

ClientSampleId :

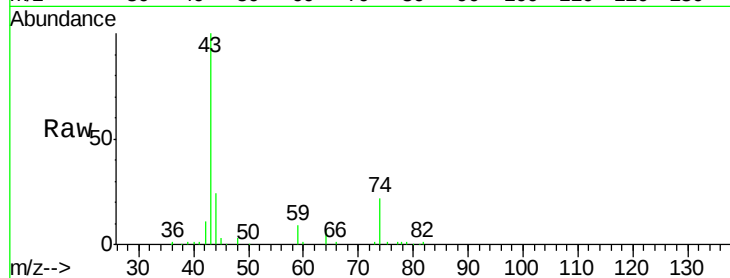
PB109413ZHE#09

Tgt Ion: 43 Resp: 27108

Ion Ratio Lower Upper

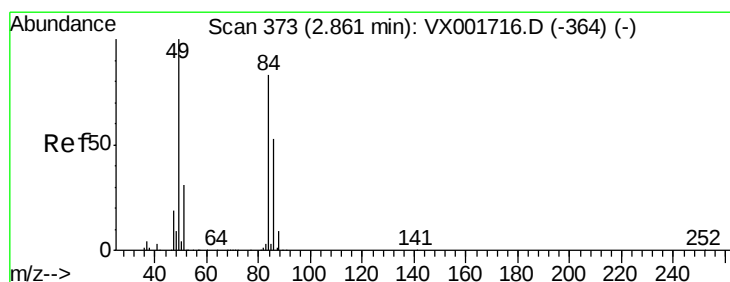
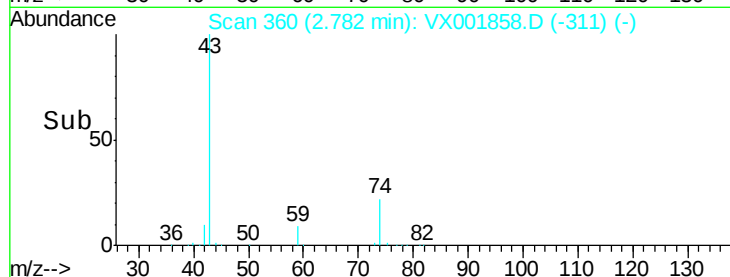
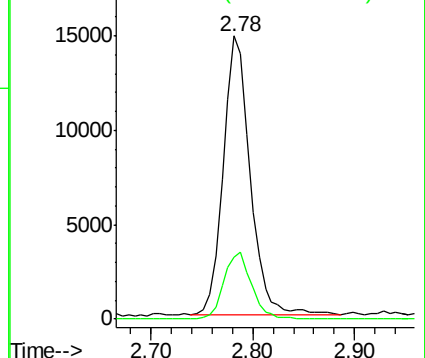
43 100

74 24.4 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



#20

Methylene Chloride

Concen: 2.35 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.00 min

Lab File: VX001858.D

Acq: 19 May 2018 06:27

Tgt Ion: 84 Resp: 7157

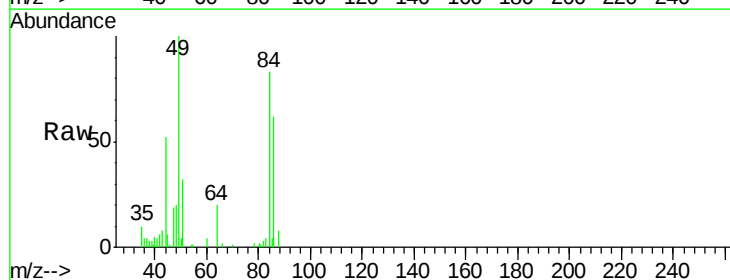
Ion Ratio Lower Upper

84 100

49 120.9 96.3 144.5

51 37.7 29.8 44.6

86 74.3 51.0 76.6

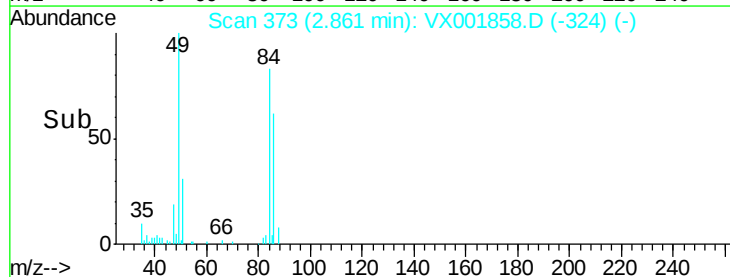
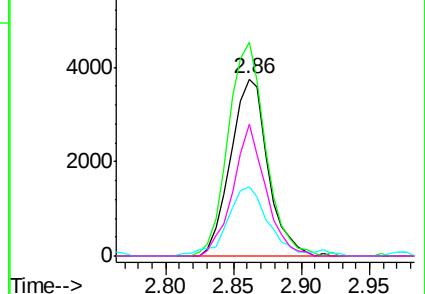


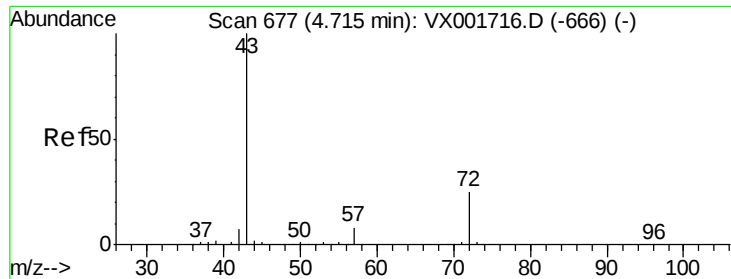
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#25

2-Butanone

Concen: 1.48 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX001858.D

Acq: 19 May 2018 06:27

Instrument :

MSVOA_X

ClientSampleId :

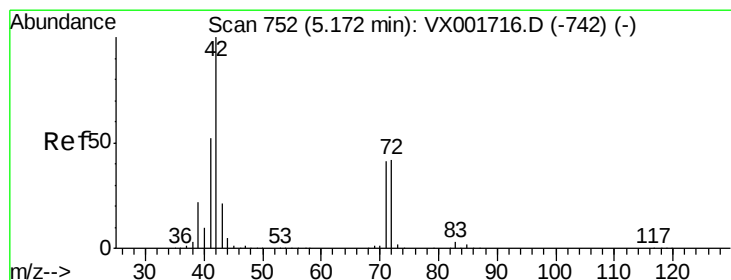
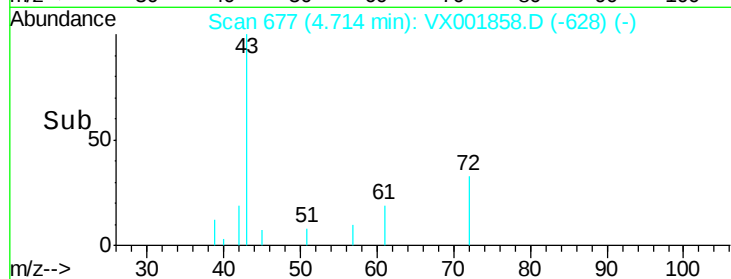
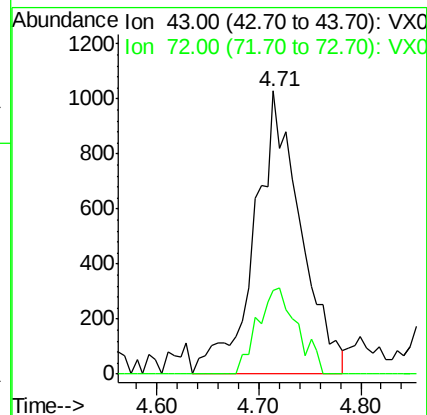
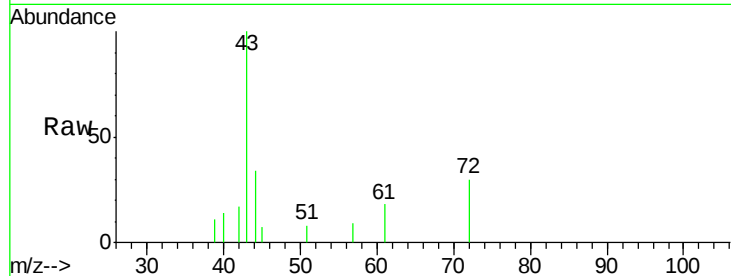
PB109413ZHE#09

Tgt Ion: 43 Resp: 3216

Ion Ratio Lower Upper

43 100

72 29.7 19.8 29.6#



#29

Tetrahydrofuran

Concen: 0.43 ug/l

RT: 5.17 min Scan# 752

Delta R.T. -0.00 min

Lab File: VX001858.D

Acq: 19 May 2018 06:27

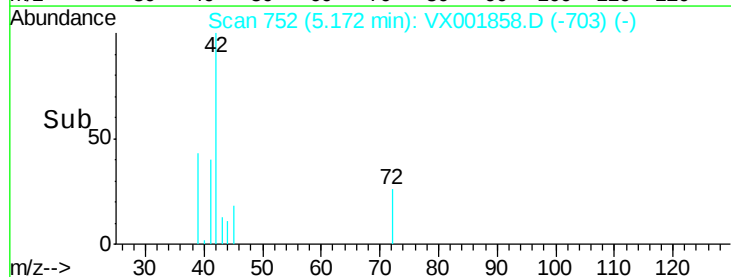
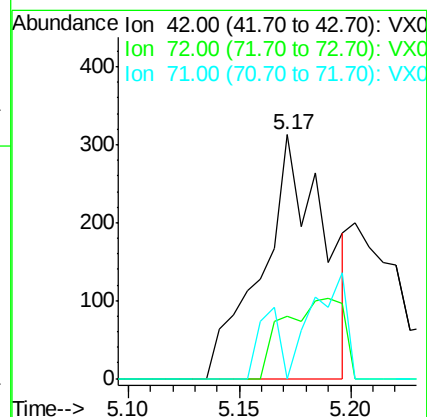
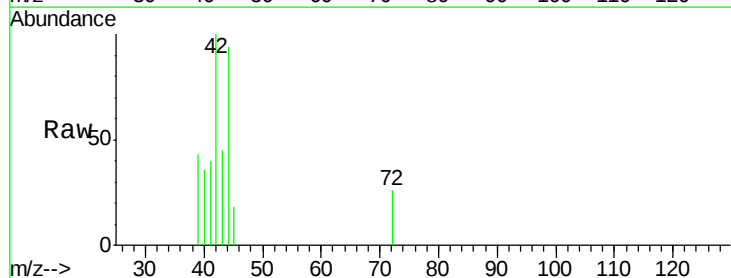
Tgt Ion: 42 Resp: 608

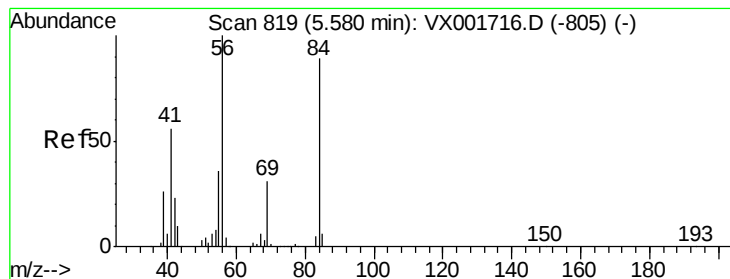
Ion Ratio Lower Upper

42 100

72 0.0 35.4 53.2#

71 9.9 33.2 49.8#





#31

Cyclohexane

Concen: 0.88 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX001858.D

Acq: 19 May 2018 06:27

Instrument :

MSVOA_X

ClientSampleId :

PB109413ZHE#09

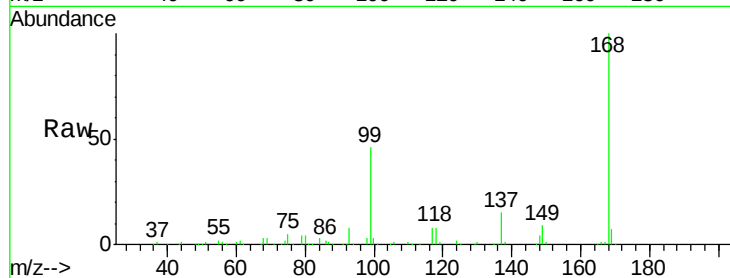
Tgt Ion: 56 Resp: 4014

Ion Ratio Lower Upper

56 100

69 190.5 25.0 37.6#

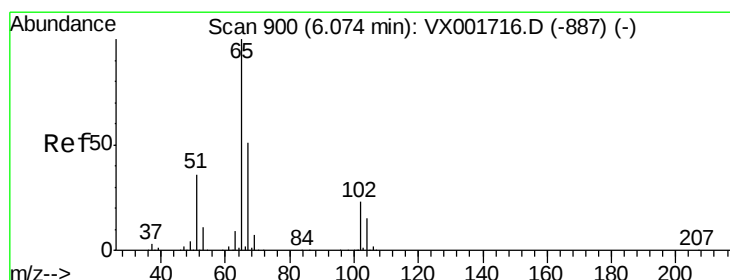
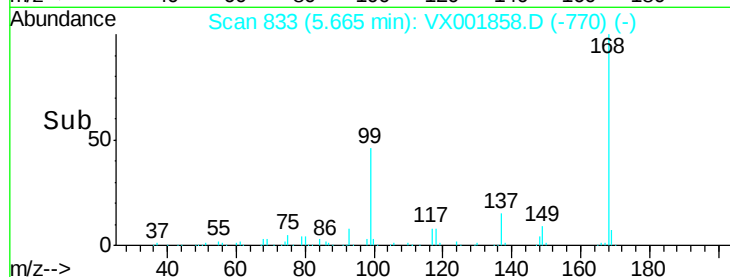
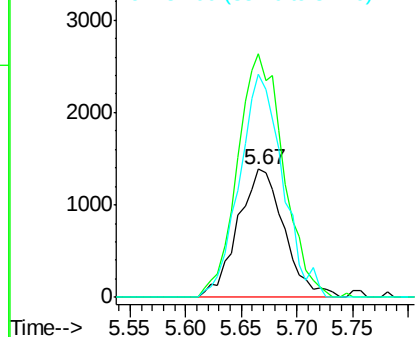
84 174.9 71.0 106.4#



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: 43.84 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001858.D

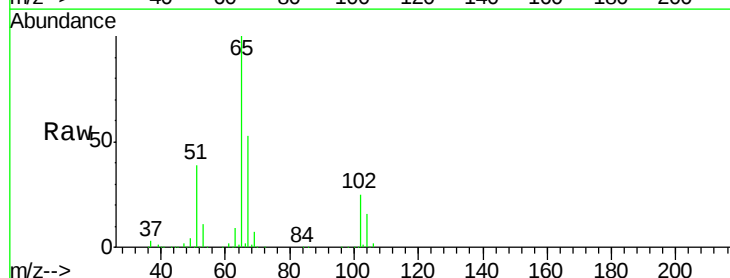
Acq: 19 May 2018 06:27

Tgt Ion: 65 Resp: 158708

Ion Ratio Lower Upper

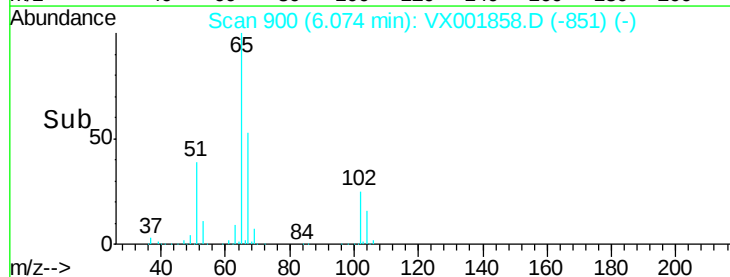
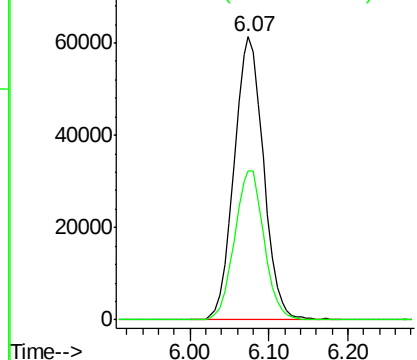
65 100

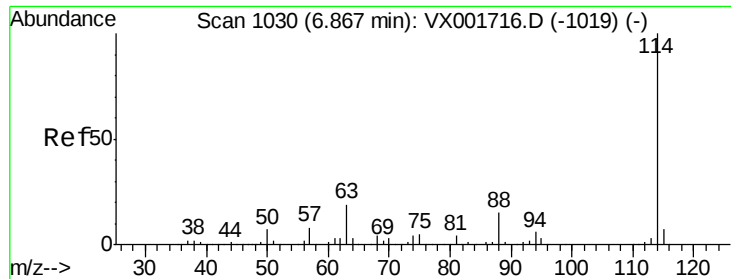
67 53.1 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX001858.D

Acq: 19 May 2018 06:27

Instrument :

MSVOA_X

ClientSampleId :

PB109413ZHE#09

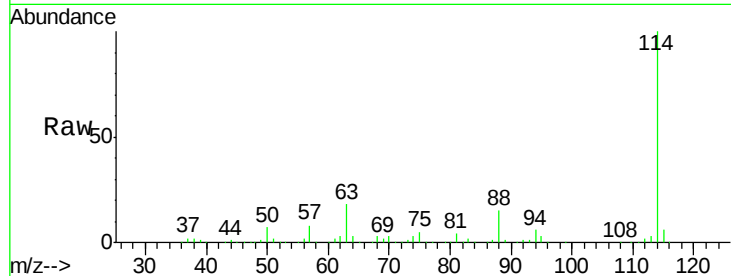
Tgt Ion:114 Resp: 365899

Ion Ratio Lower Upper

114 100

63 18.1 0.0 37.0

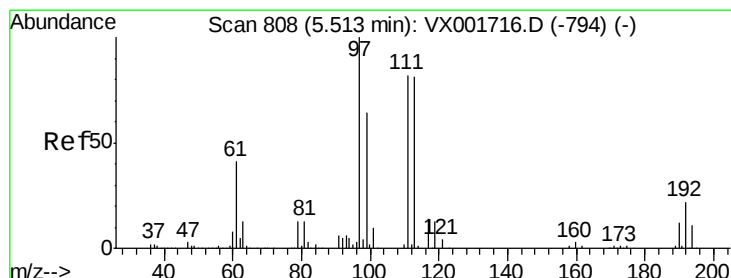
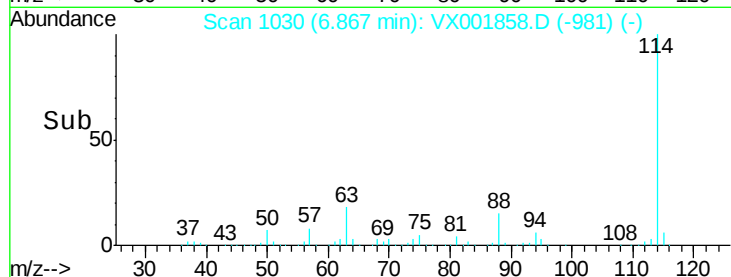
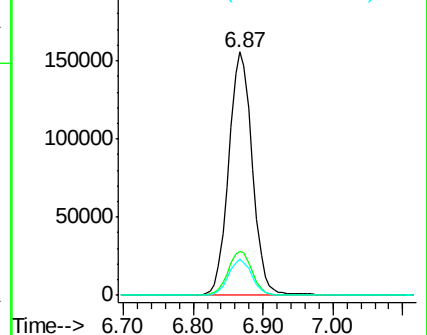
88 14.9 0.0 29.8



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: 45.57 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX001858.D

Acq: 19 May 2018 06:27

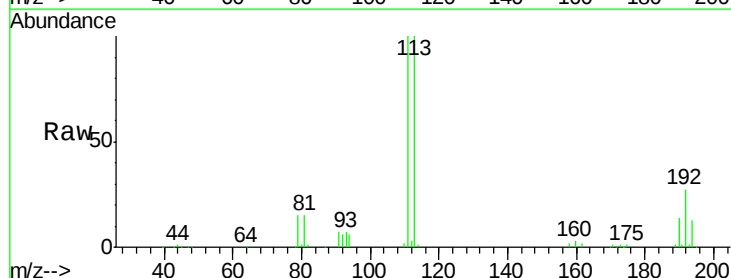
Tgt Ion:113 Resp: 140725

Ion Ratio Lower Upper

113 100

111 101.6 82.0 123.0

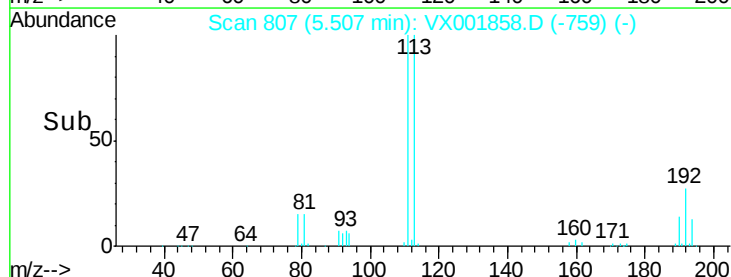
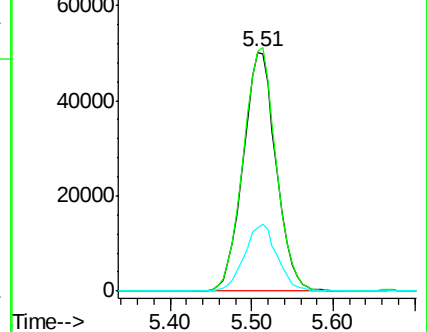
192 27.7 21.6 32.4

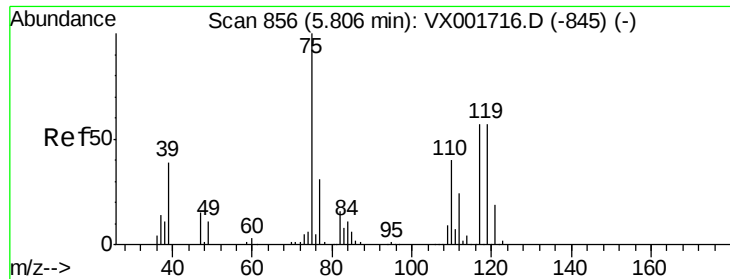


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

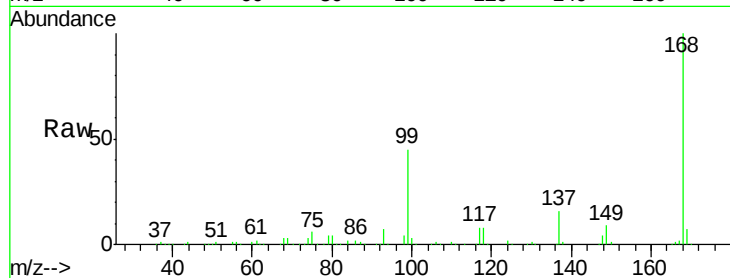




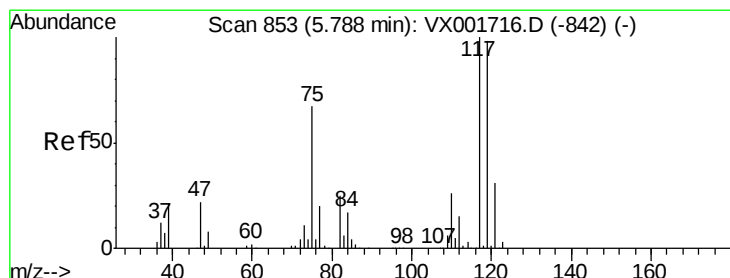
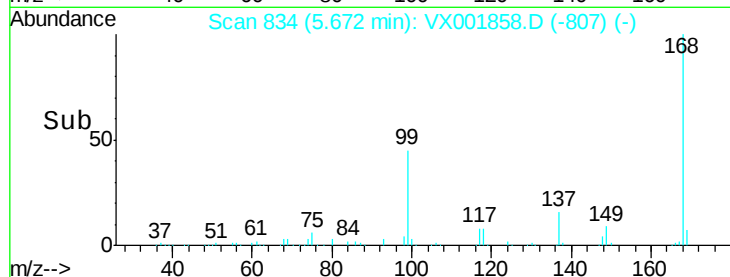
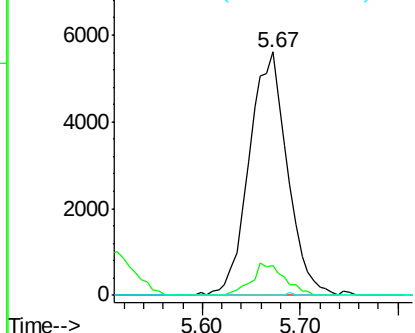
#36
 1,1-Dichloropropene
 Concen: 3.62 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001858.D
 Acq: 19 May 2018 06:27

Instrument :
 MSVOA_X
 ClientSampleId :
 PB109413ZHE#09

Tgt Ion: 75 Resp: 15258
 Ion Ratio Lower Upper
 75 100
 110 11.4 19.1 57.1#
 77 0.0 24.6 37.0#

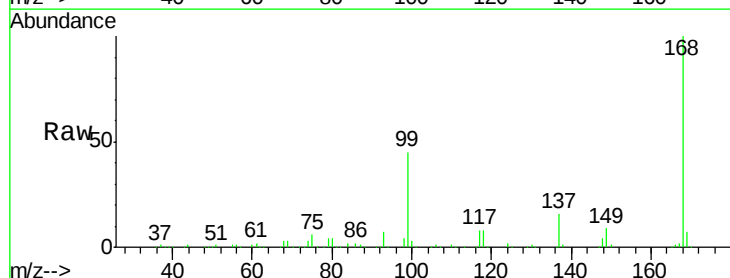


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

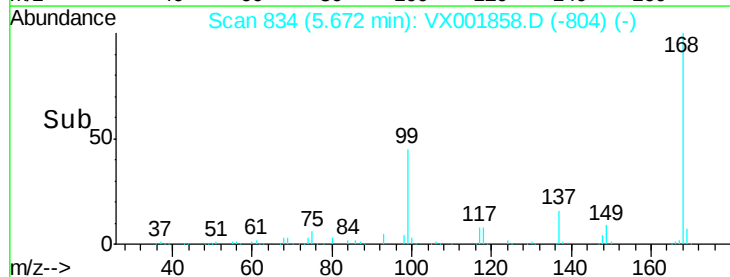
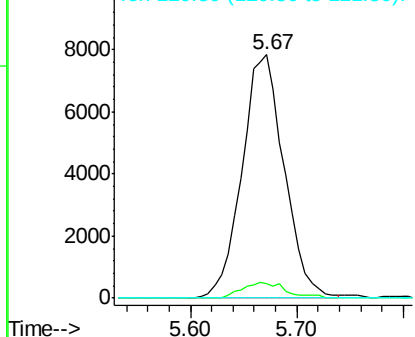


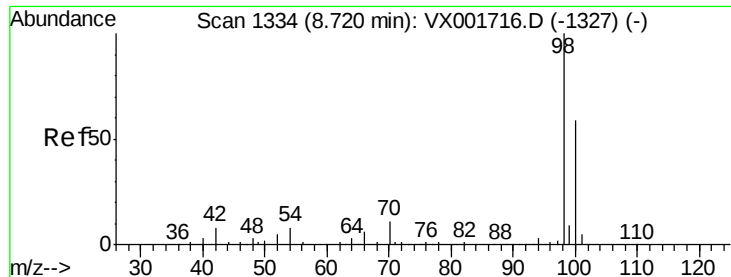
#38
 Carbon Tetrachloride
 Concen: 4.94 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX001858.D
 Acq: 19 May 2018 06:27

Tgt Ion: 117 Resp: 21783
 Ion Ratio Lower Upper
 117 100
 119 5.9 77.6 116.4#
 121 0.0 24.6 36.8#



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

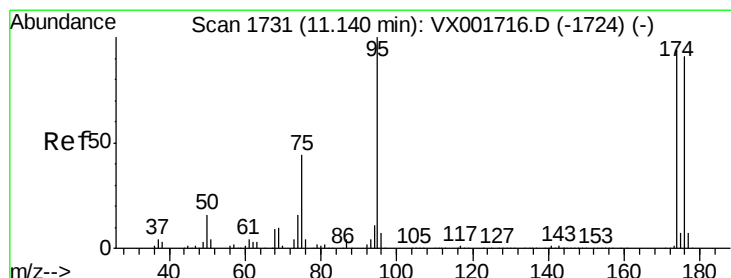
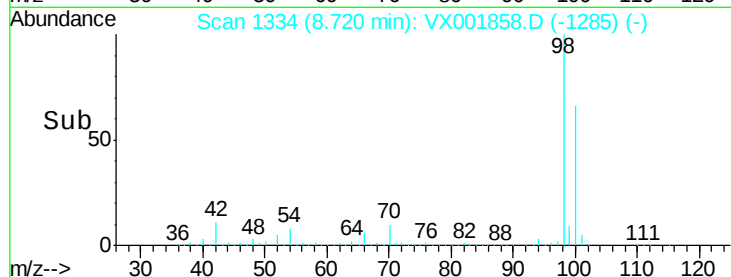
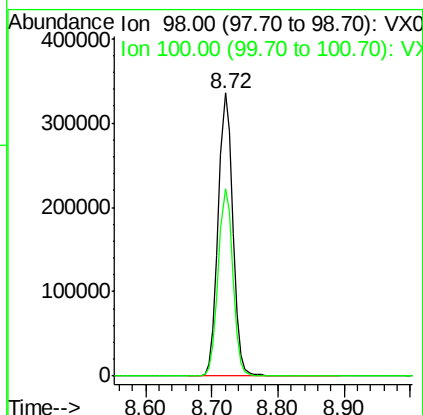
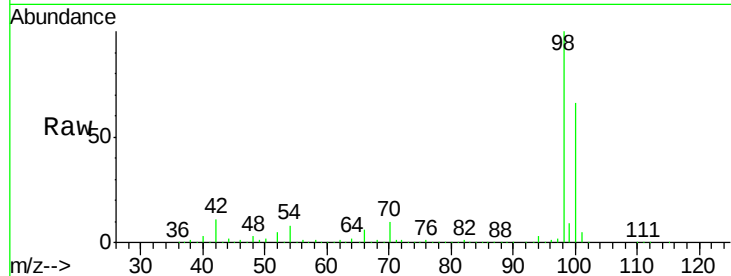




#50
Toluene-d8
Concen: 46.16 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001858.D
Acq: 19 May 2018 06:27

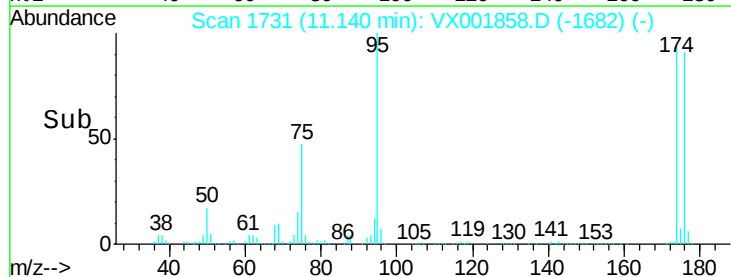
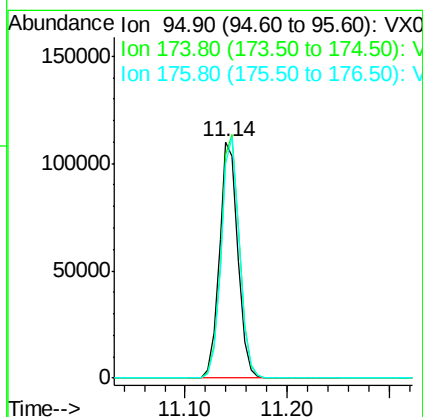
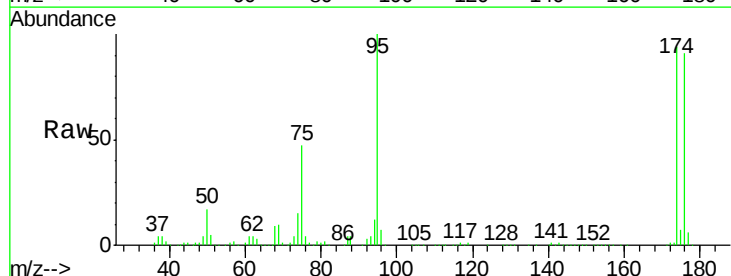
Instrument :
MSVOA_X
ClientSampleId :
PB109413ZHE#09

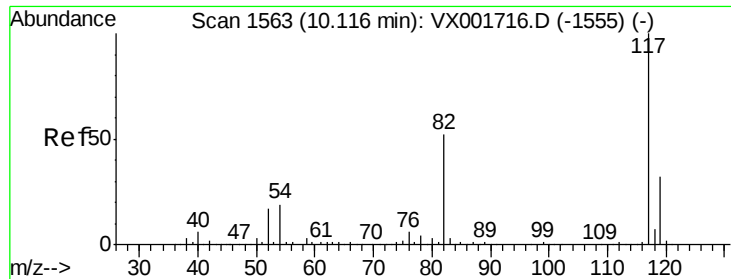
Tgt Ion: 98 Resp: 510500
Ion Ratio Lower Upper
98 100
100 66.4 54.0 81.0



#62
4-Bromofluorobenzene
Concen: 35.00 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX001858.D
Acq: 19 May 2018 06:27

Tgt Ion: 95 Resp: 139381
Ion Ratio Lower Upper
95 100
174 102.9 0.0 201.8
176 100.3 0.0 196.8

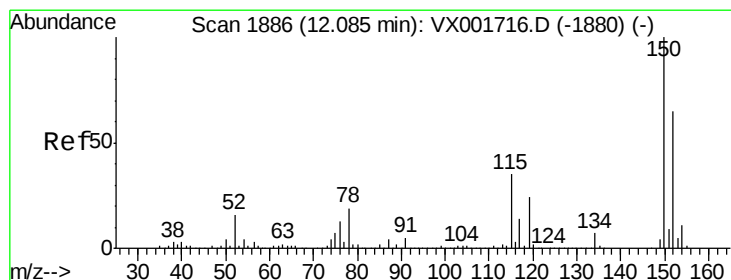
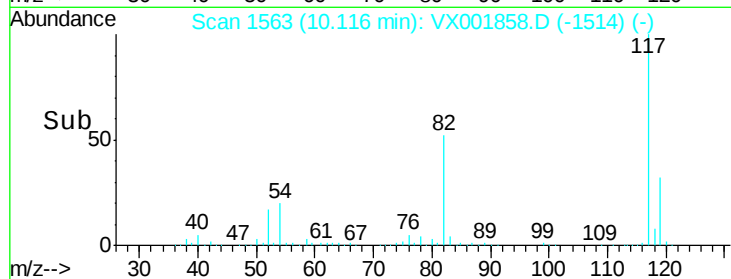
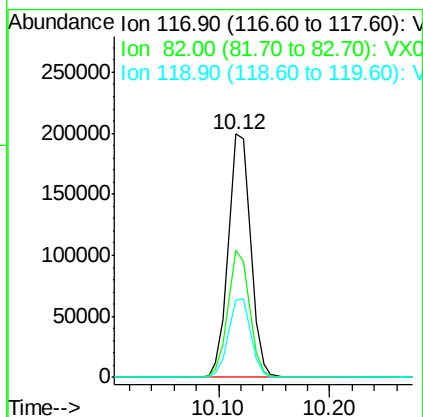
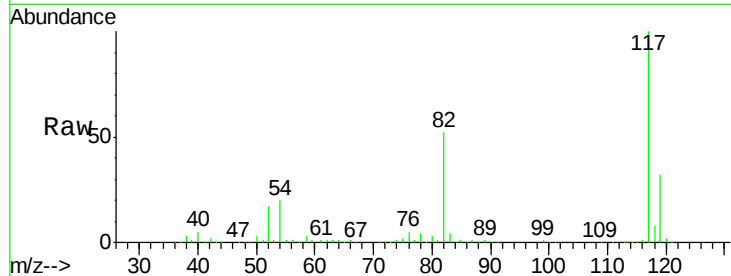




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX001858.D
Acq: 19 May 2018 06:27

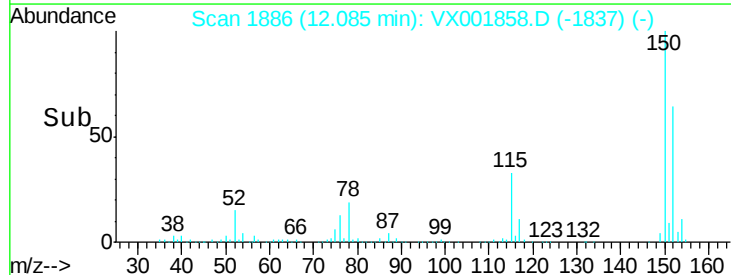
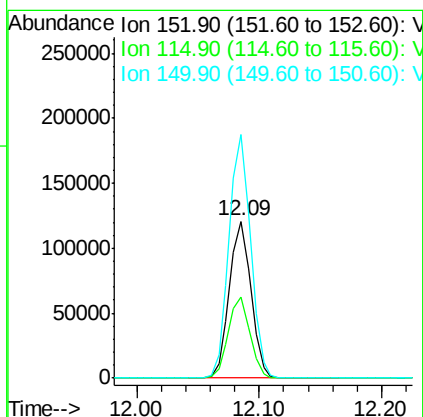
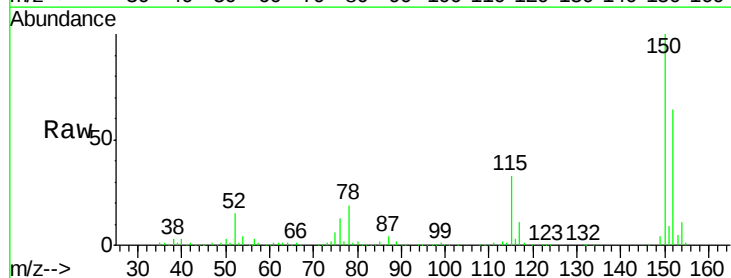
Instrument :
MSVOA_X
ClientSampleId :
PB109413ZHE#09

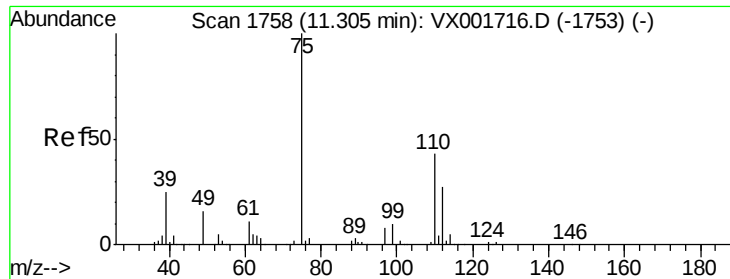
Tgt Ion:117 Resp: 278763
Ion Ratio Lower Upper
117 100
82 52.2 41.4 62.2
119 32.0 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX001858.D
Acq: 19 May 2018 06:27

Tgt Ion:152 Resp: 147297
Ion Ratio Lower Upper
152 100
115 51.8 37.4 112.2
150 155.3 0.0 344.8





#76

1,2,3-Trichloropropane

Concen: 22.53 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001858.D

Acq: 19 May 2018 06:27

Instrument :

MSVOA_X

ClientSampleId :

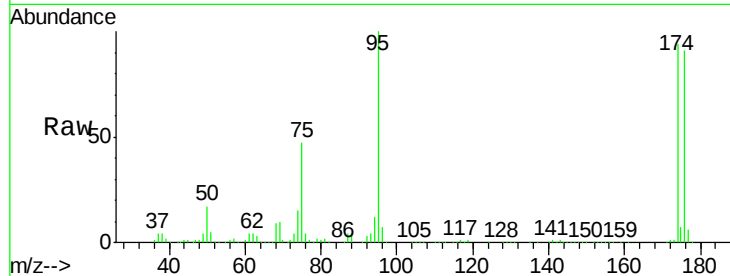
PB109413ZHE#09

Tgt Ion: 75 Resp: 63108

Ion Ratio Lower Upper

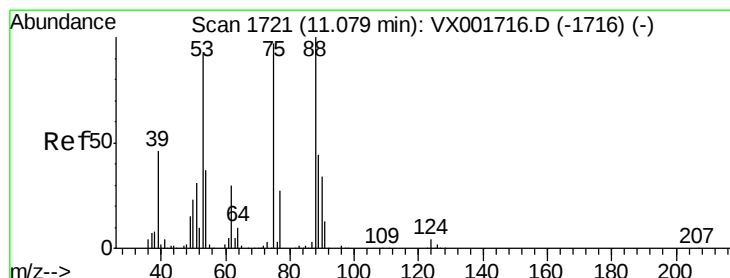
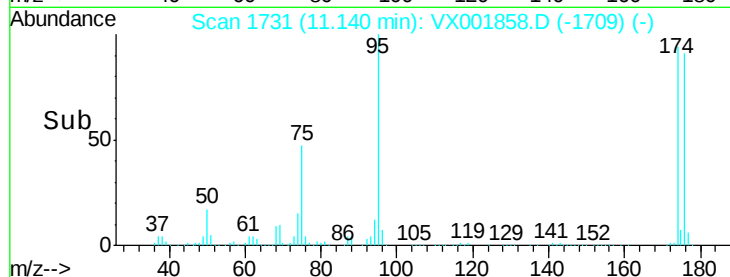
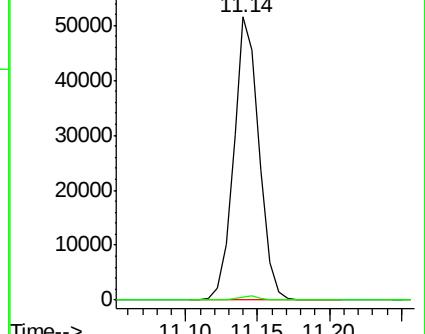
75 100

77 1.4 18.9 56.7#



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: 66.01 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001858.D

Acq: 19 May 2018 06:27

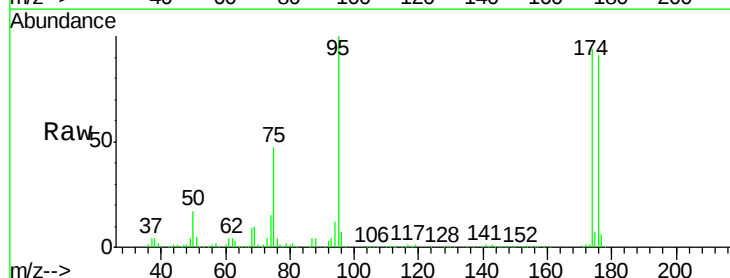
Tgt Ion: 75 Resp: 63108

Ion Ratio Lower Upper

75 100

53 0.1 79.4 119.2#

89 0.0 38.8 58.2#



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

