

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122019\
 Data File : VX014172.D
 Acq On : 20 Dec 2019 14:29
 Operator : JC/SP
 Sample : K6379-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-12-19-19

Quant Time: Dec 20 22:27:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	575784	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	863464	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	770215	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	337924	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	310726	47.62	ug/l	0.00
Spiked Amount			Recovery	=	95.24%	
35) Dibromofluoromethane	5.49	113	255574	48.69	ug/l	0.00
Spiked Amount			Recovery	=	97.38%	
50) Toluene-d8	8.71	98	1014044	49.62	ug/l	0.00
Spiked Amount			Recovery	=	99.24%	
62) 4-Bromofluorobenzene	11.14	95	343301	45.96	ug/l	0.00
Spiked Amount			Recovery	=	91.92%	

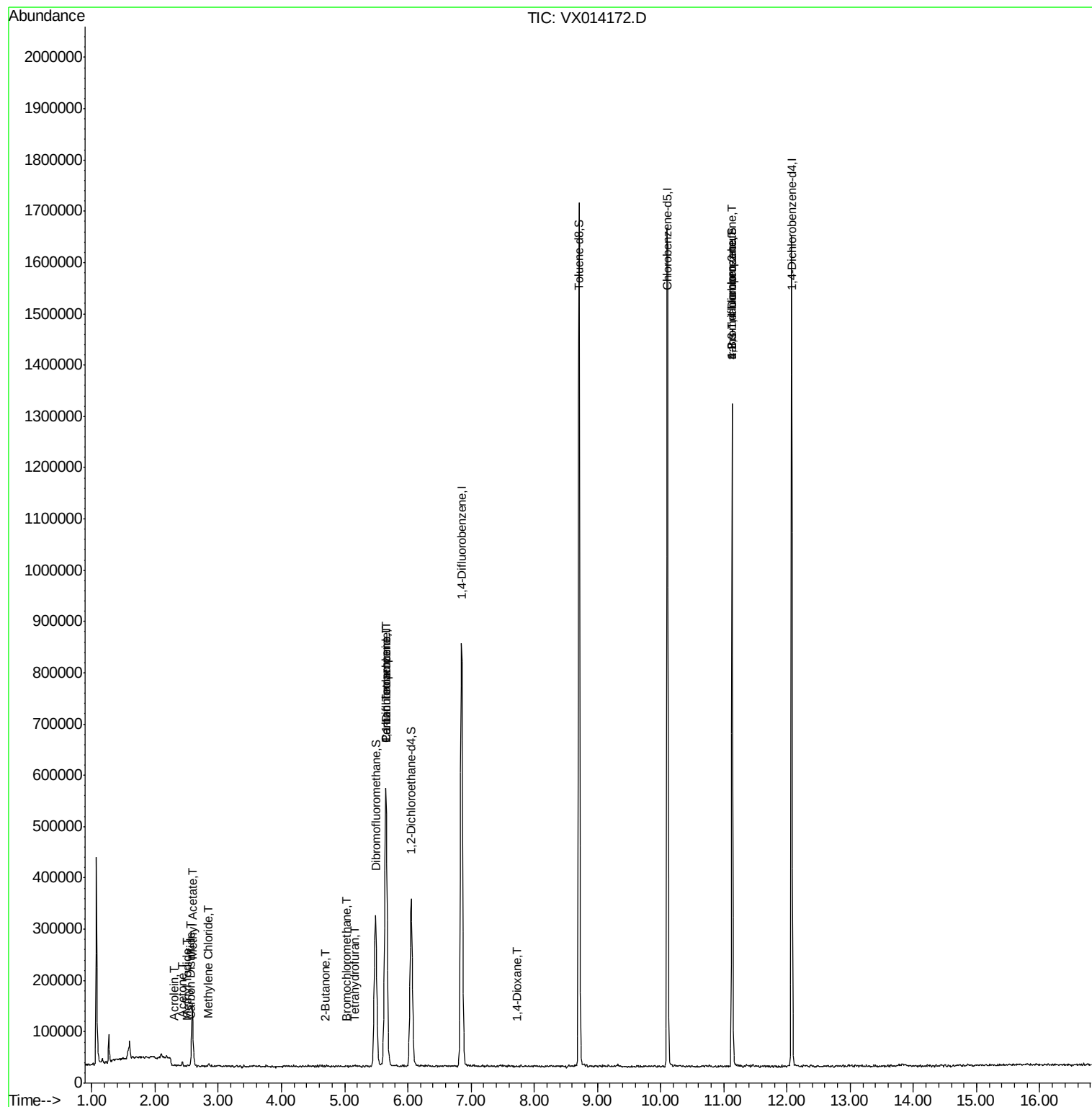
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.52	142	954	2.747	ug/l #	47
13) Acrolein	2.30	56	1097	1.359	ug/l #	56
16) Acetone	2.43	43	9302	2.196	ug/l	93
17) Carbon Disulfide	2.56	76	1426	0.842	ug/l #	75
18) Methyl Acetate	2.59	43	32832	3.911	ug/l #	52
20) Methylene Chloride	2.84	84	2703	0.405	ug/l #	89
25) 2-Butanone	4.69	43	1442	0.276	ug/l #	54
28) Bromochloromethane	5.03	49	1054	0.701	ug/l #	11
29) Tetrahydrofuran	5.15	42	1093	0.374	ug/l #	71
36) 1,1-Dichloropropene	5.65	75	37928	4.787	ug/l #	49
38) Carbon Tetrachloride	5.65	117	49793	6.899	ug/l #	15
49) 1,4-Dioxane	7.73	88	93	0.645	ug/l #	23
76) 1,2,3-Trichloropropane	11.14	75	164496	22.422	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	164496	63.287	ug/l #	12

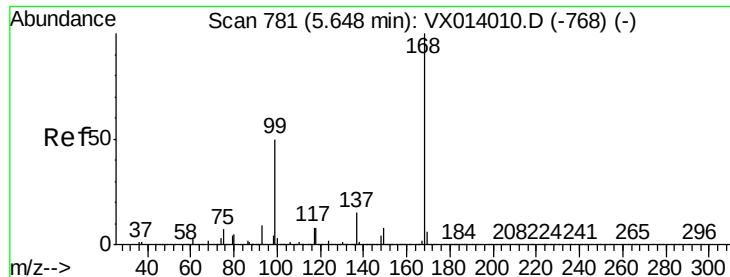
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX014172.D

Acq: 20 Dec 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

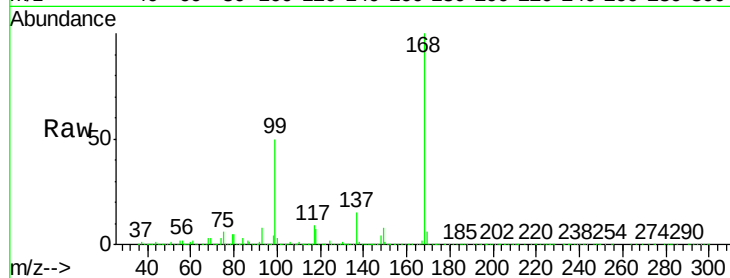
TB-12-19-19

Tgt Ion:168 Resp: 575784

Ion Ratio Lower Upper

168 100

99 50.2 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

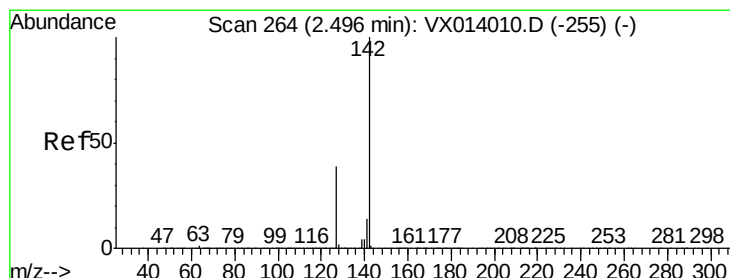
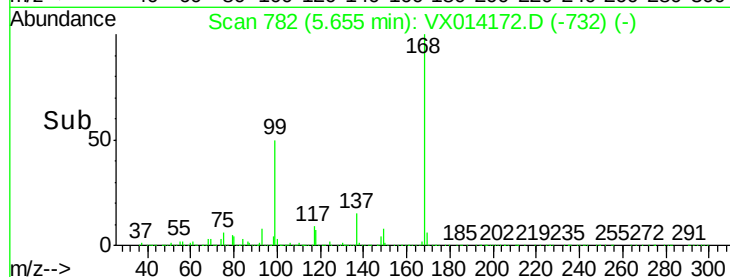
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 2.747 ug/l

RT: 2.52 min Scan# 267

Delta R.T. 0.02 min

Lab File: VX014172.D

Acq: 20 Dec 2019 14:29

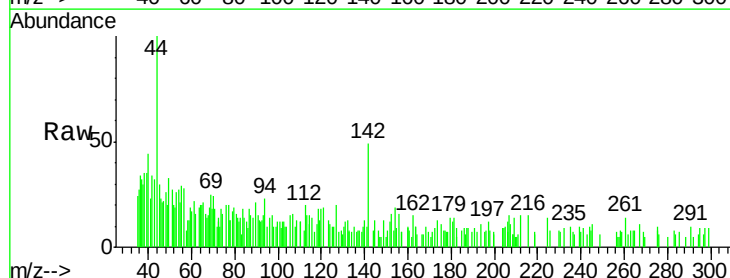
Tgt Ion:142 Resp: 954

Ion Ratio Lower Upper

142 100

127 79.7 31.6 47.4#

141 23.0 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

2.52

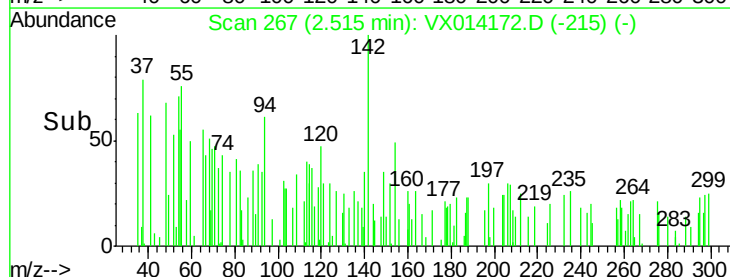
600

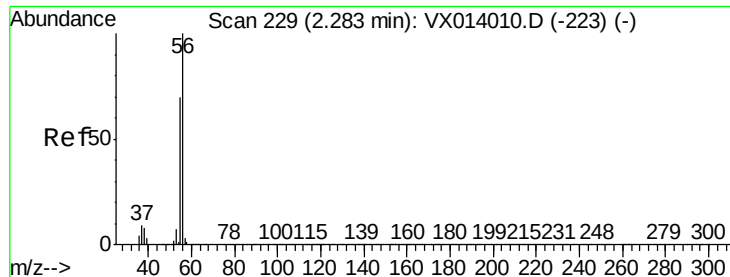
400

200

0

Time-->





#13

Acrolein

Concen: 1.359 ug/l

RT: 2.30 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX014172.D

Acq: 20 Dec 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

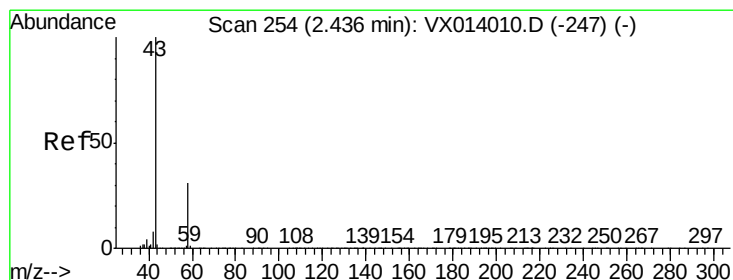
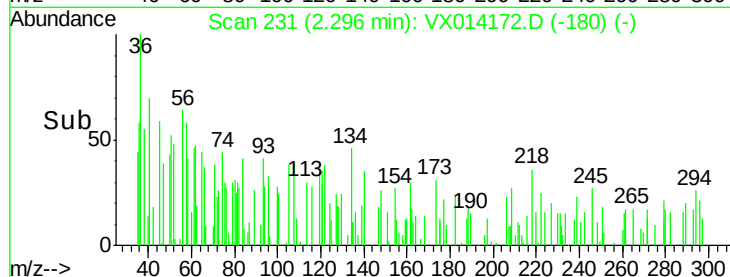
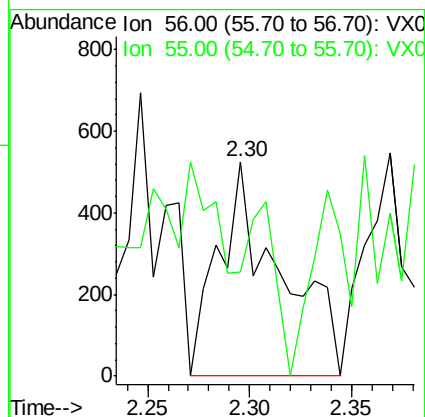
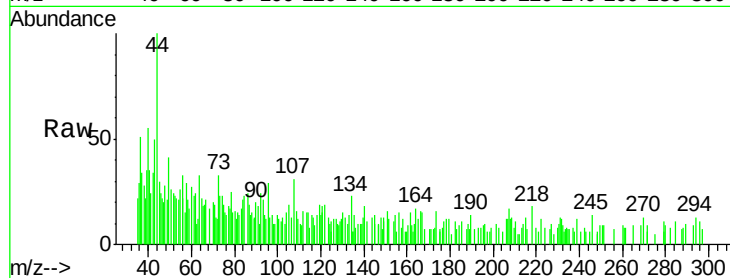
TB-12-19-19

Tgt Ion: 56 Resp: 1097

Ion Ratio Lower Upper

56 100

55 34.4 56.9 85.3#



#16

Acetone

Concen: 2.196 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014172.D

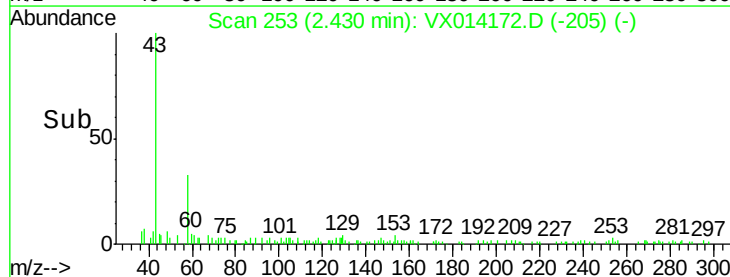
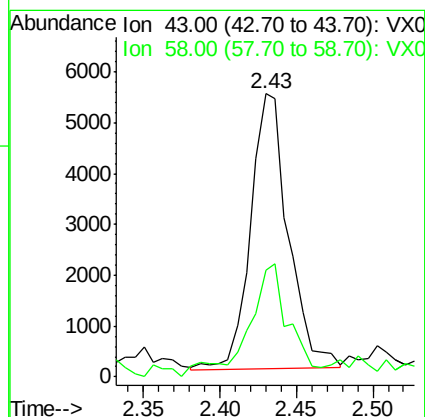
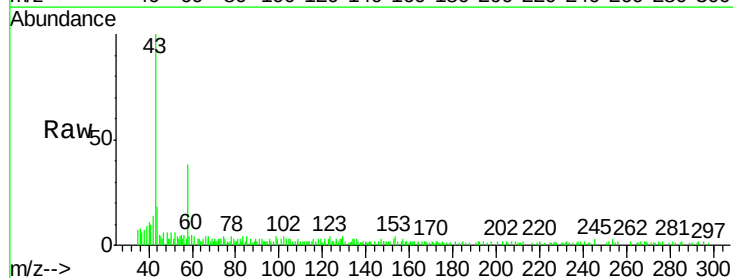
Acq: 20 Dec 2019 14:29

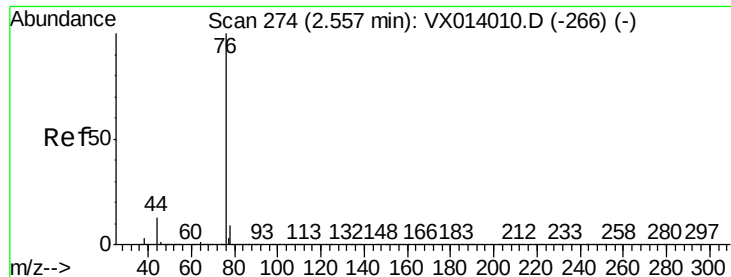
Tgt Ion: 43 Resp: 9302

Ion Ratio Lower Upper

43 100

58 35.0 24.9 37.3





#17

Carbon Disulfide

Concen: 0.842 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX014172.D

Acq: 20 Dec 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

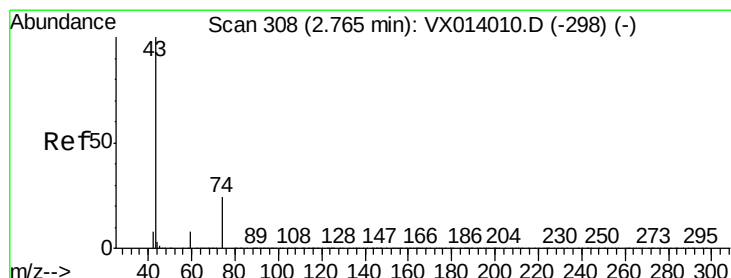
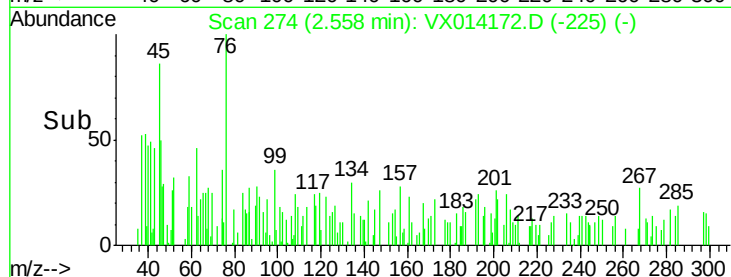
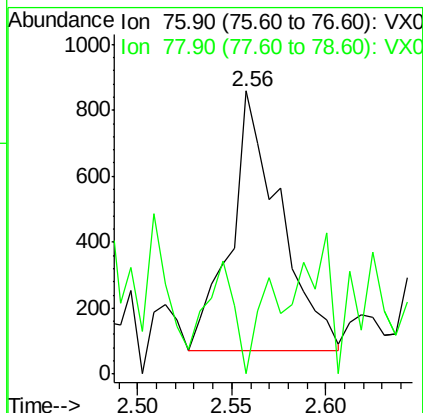
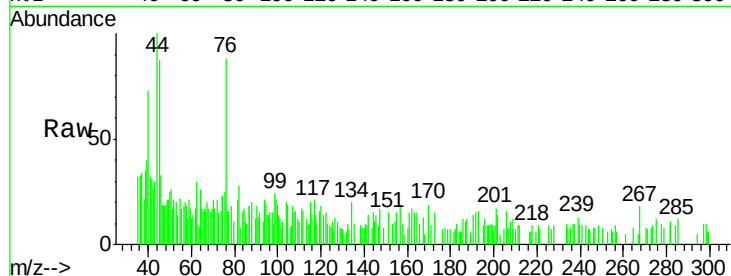
TB-12-19-19

Tgt Ion: 76 Resp: 1426

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



#18

Methyl Acetate

Concen: 3.911 ug/l

RT: 2.59 min Scan# 279

Delta R.T. -0.18 min

Lab File: VX014172.D

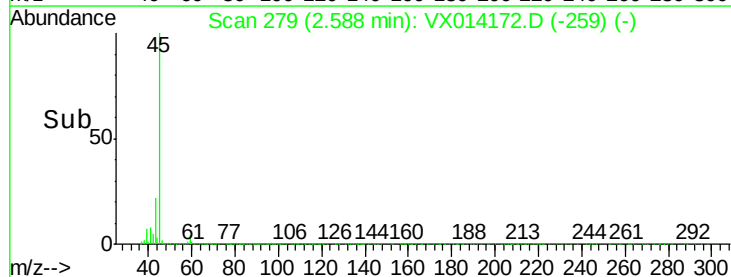
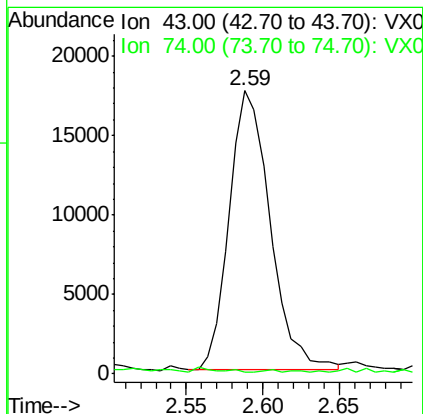
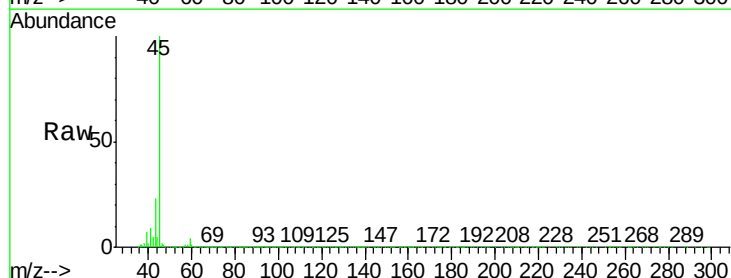
Acq: 20 Dec 2019 14:29

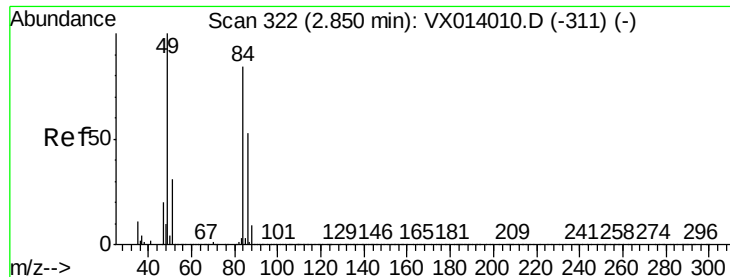
Tgt Ion: 43 Resp: 32832

Ion Ratio Lower Upper

43 100

74 0.6 19.5 29.3#

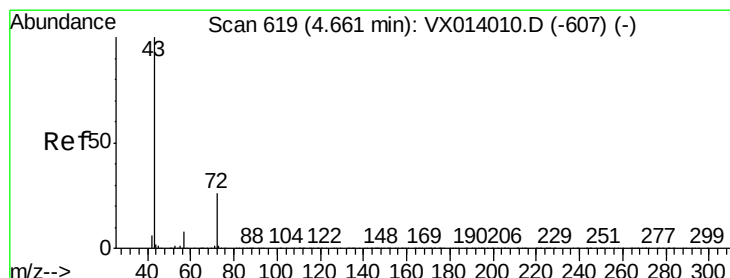
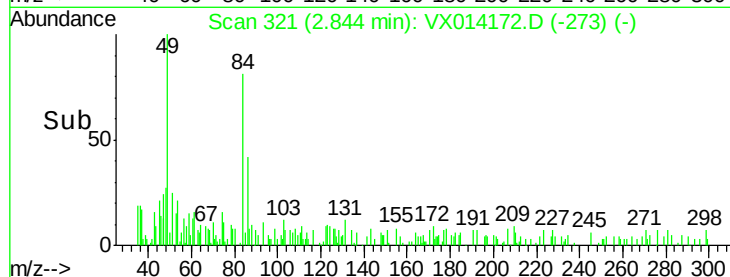
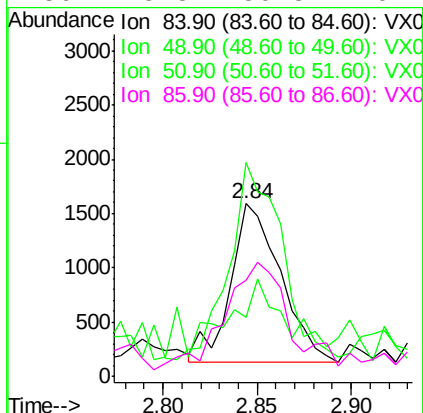
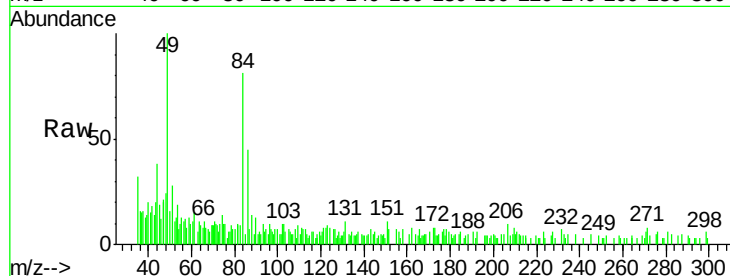




#20
Methylene Chloride
Concen: 0.405 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX014172.D
Acq: 20 Dec 2019 14:29

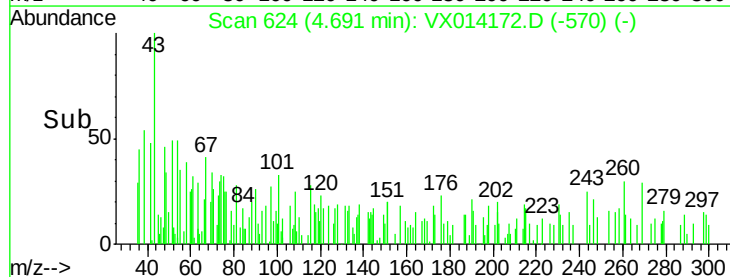
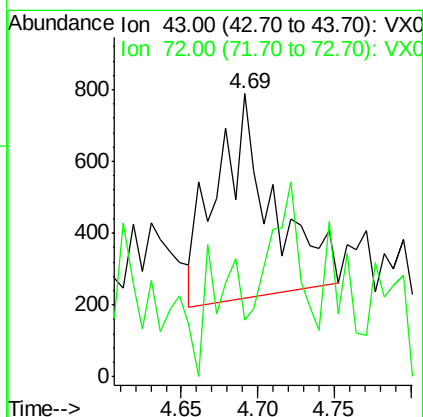
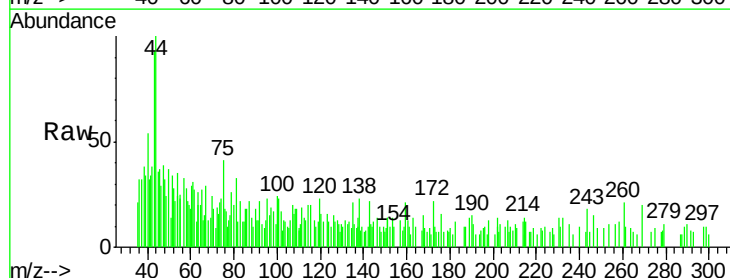
Instrument :
MSVOA_X
ClientSampled :
TB-12-19-19

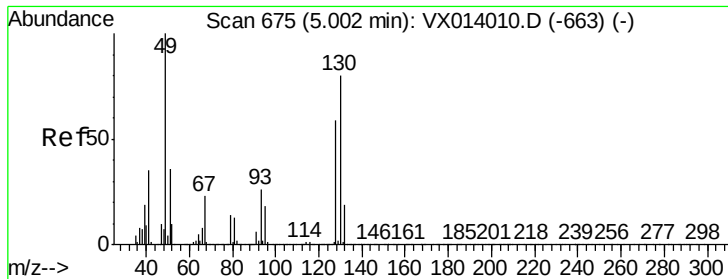
Tgt Ion:	84	Resp:	2703
Ion	Ratio	Lower	Upper
84	100		
49	117.7	95.8	143.6
51	25.0	29.8	44.8#
86	45.8	50.8	76.2#



#25
2-Butanone
Concen: 0.276 ug/l
RT: 4.69 min Scan# 624
Delta R.T. 0.03 min
Lab File: VX014172.D
Acq: 20 Dec 2019 14:29

Tgt Ion:	43	Resp:	1442
Ion	Ratio	Lower	Upper
43	100		
72	2.5	21.0	31.4#





#28

Bromochloromethane

Concen: 0.701 ug/l

RT: 5.03 min Scan# 679

Delta R.T. 0.02 min

Lab File: VX014172.D

Acq: 20 Dec 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

TB-12-19-19

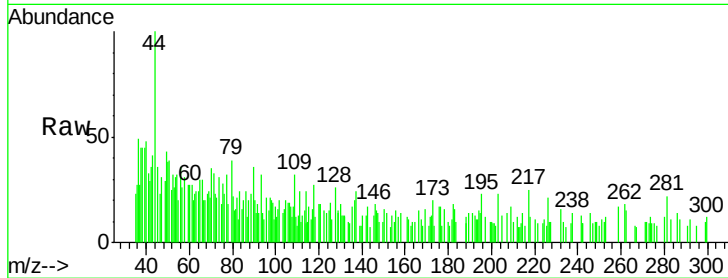
Tgt Ion: 49 Resp: 1054

Ion Ratio Lower Upper

49 100

129 10.2 0.0 5.0#

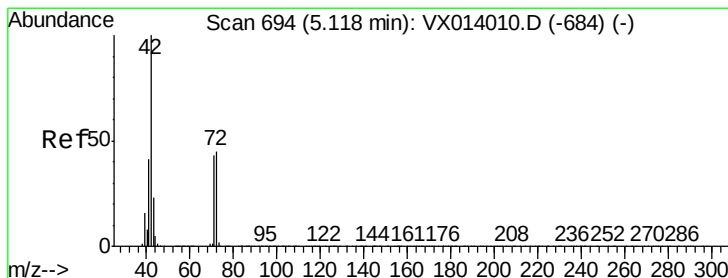
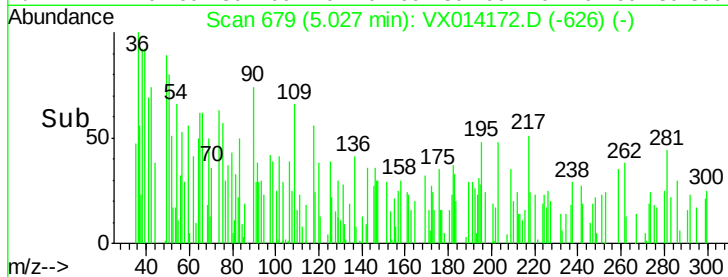
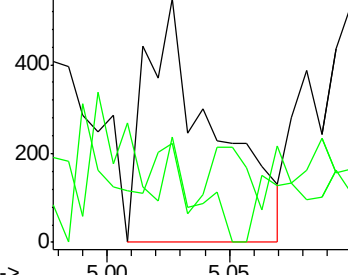
130 0.0 64.6 97.0#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 0.374 ug/l

RT: 5.15 min Scan# 699

Delta R.T. 0.03 min

Lab File: VX014172.D

Acq: 20 Dec 2019 14:29

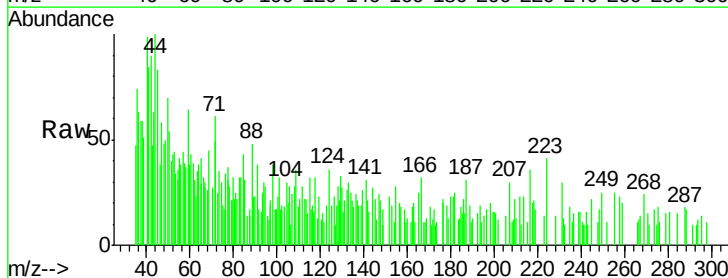
Tgt Ion: 42 Resp: 1093

Ion Ratio Lower Upper

42 100

72 15.8 35.8 53.8#

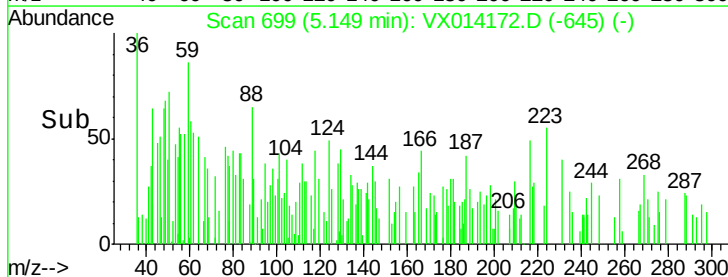
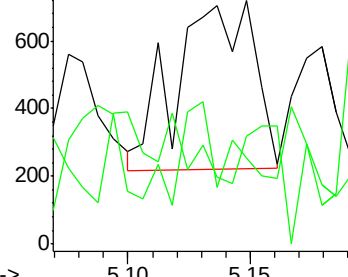
71 34.0 33.6 50.4

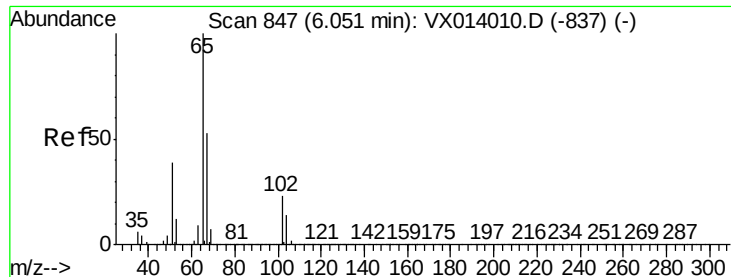


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 47.616 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014172.D

Acq: 20 Dec 2019 14:29

Instrument :

MSVOA_X

ClientSampled :

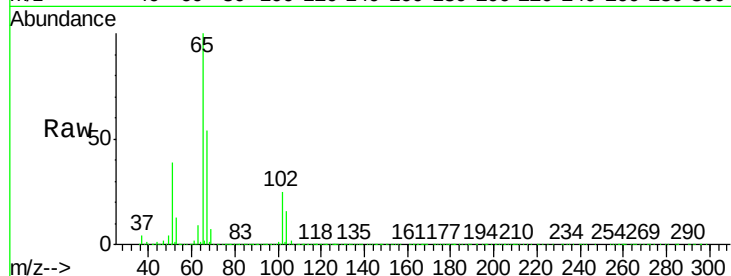
TB-12-19-19

Tgt Ion: 65 Resp: 310726

Ion Ratio Lower Upper

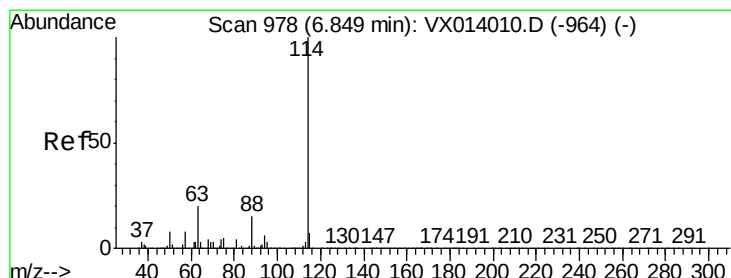
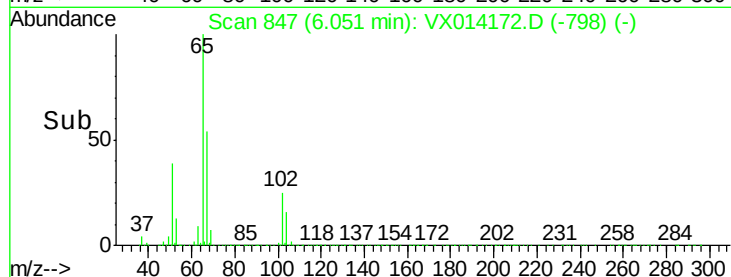
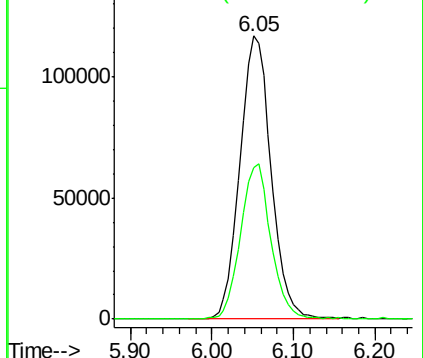
65 100

67 53.4 0.0 106.4



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: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014172.D

Acq: 20 Dec 2019 14:29

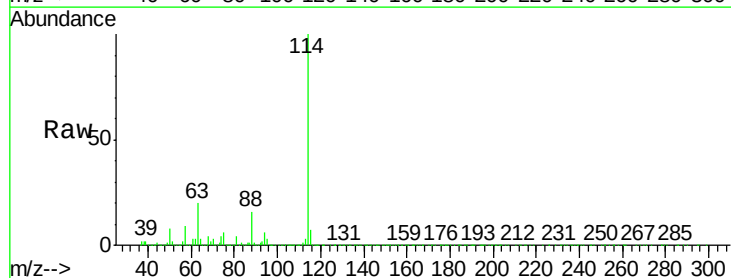
Tgt Ion: 114 Resp: 863464

Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.8

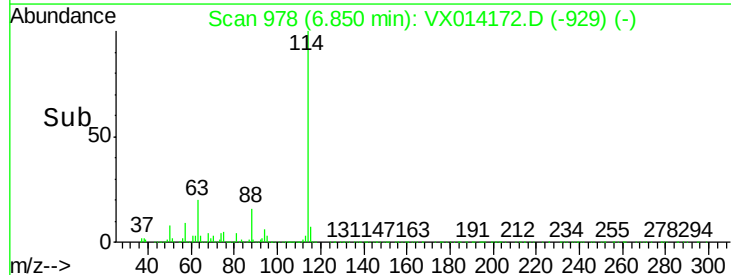
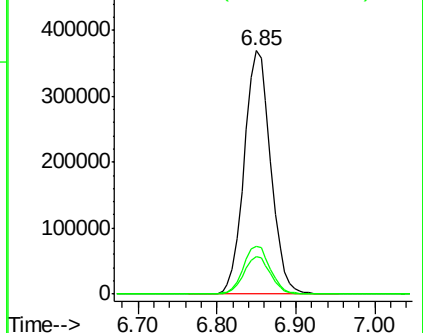
88 15.4 0.0 30.4

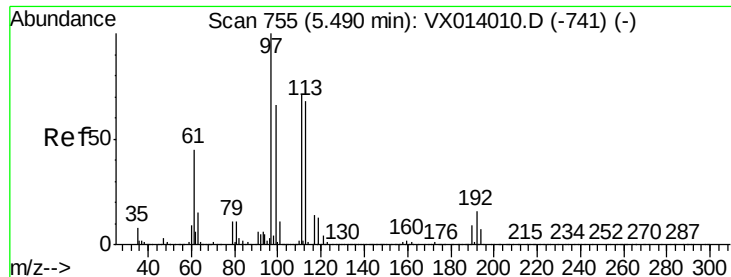


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.691 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014172.D

Acq: 20 Dec 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

TB-12-19-19

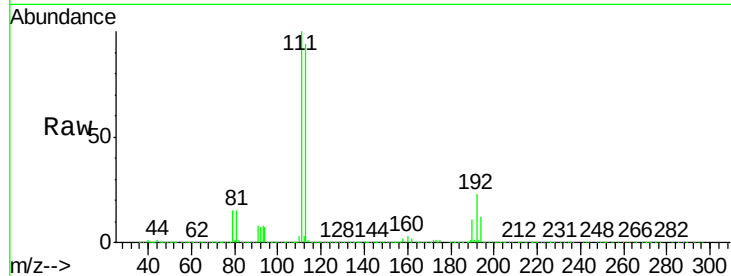
Tgt Ion:113 Resp: 255574

Ion Ratio Lower Upper

113 100

111 101.6 82.0 123.0

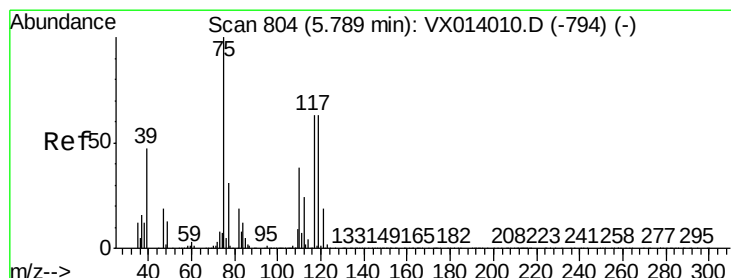
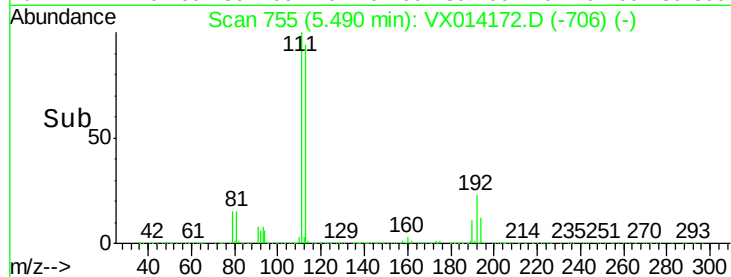
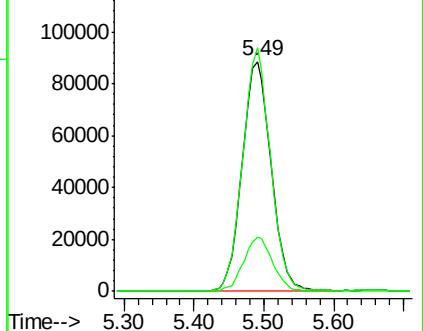
192 23.2 19.3 28.9



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: 4.787 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX014172.D

Acq: 20 Dec 2019 14:29

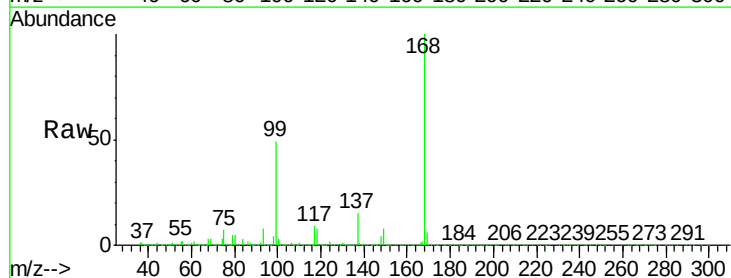
Tgt Ion: 75 Resp: 37928

Ion Ratio Lower Upper

75 100

110 9.3 18.3 54.9#

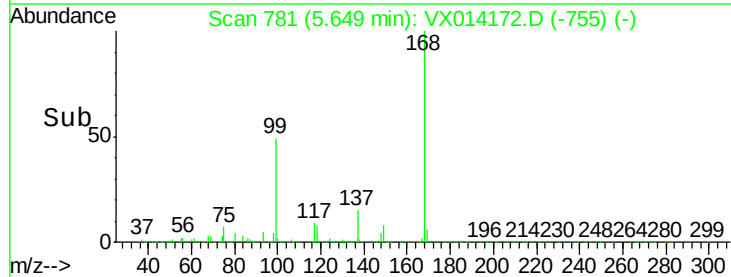
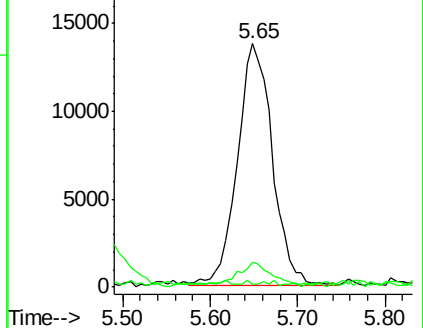
77 0.3 24.8 37.2#

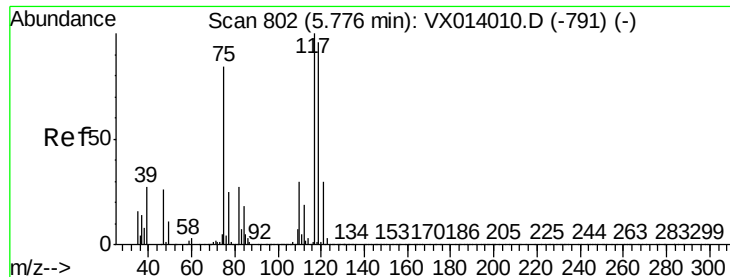


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.899 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX014172.D

Acq: 20 Dec 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

TB-12-19-19

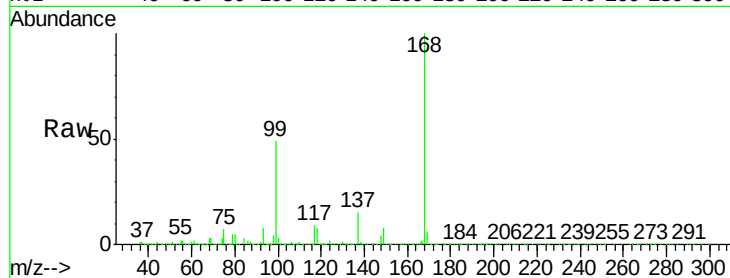
Tgt Ion: 117 Resp: 49793

Ion Ratio Lower Upper

117 100

119 3.7 76.2 114.4#

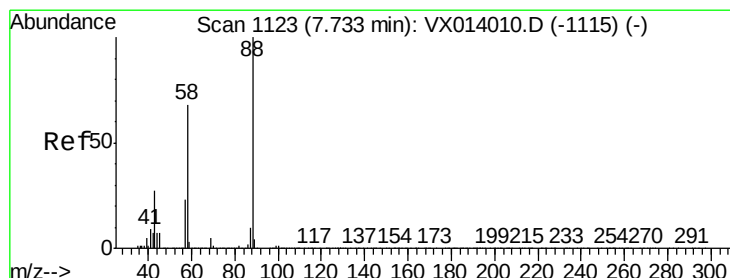
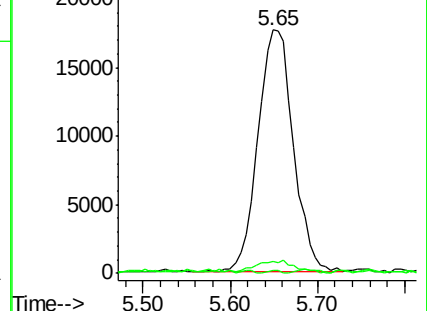
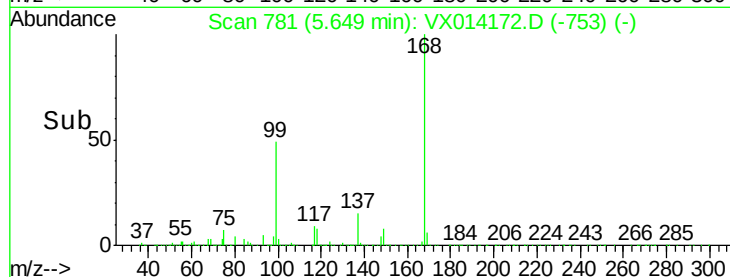
121 0.5 23.6 35.4#



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: 0.645 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX014172.D

Acq: 20 Dec 2019 14:29

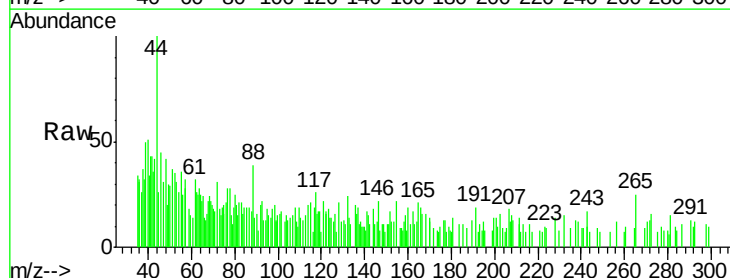
Tgt Ion: 88 Resp: 93

Ion Ratio Lower Upper

88 100

43 0.0 26.5 39.7#

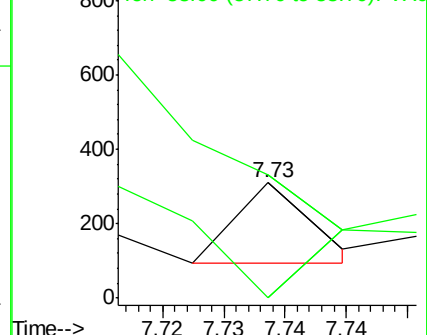
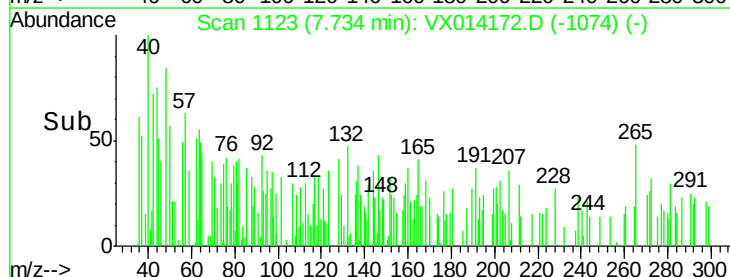
58 0.0 56.8 85.2#

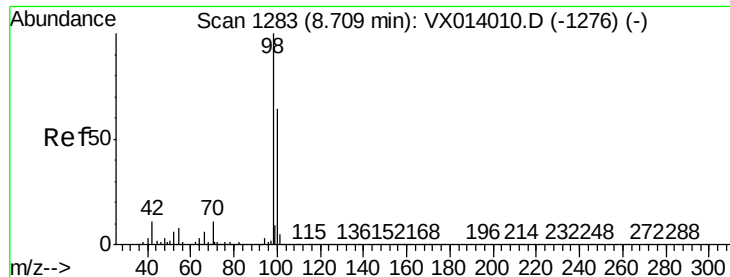


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.622 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014172.D

Acq: 20 Dec 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

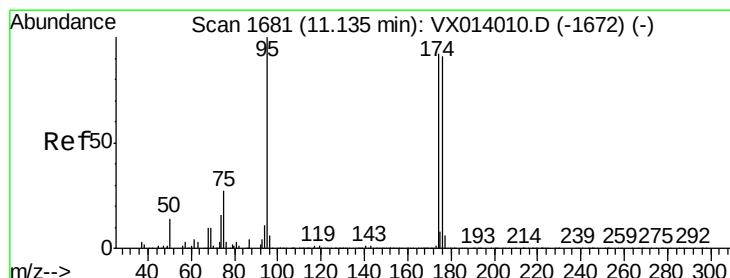
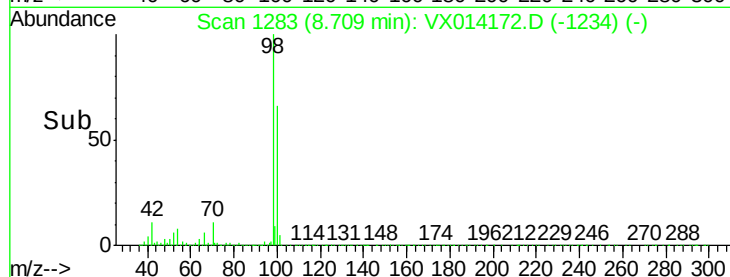
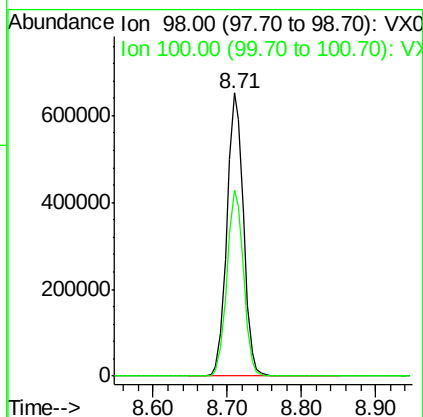
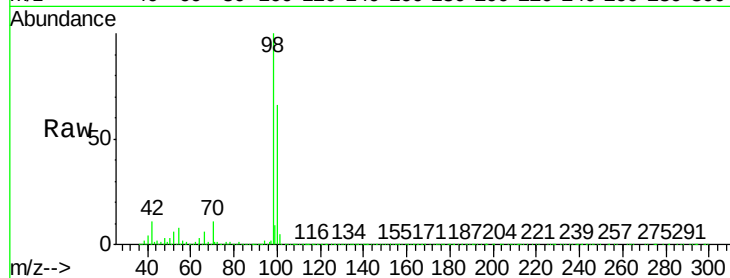
TB-12-19-19

Tgt Ion: 98 Resp: 1014044

Ion Ratio Lower Upper

98 100

100 65.7 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 45.957 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX014172.D

Acq: 20 Dec 2019 14:29

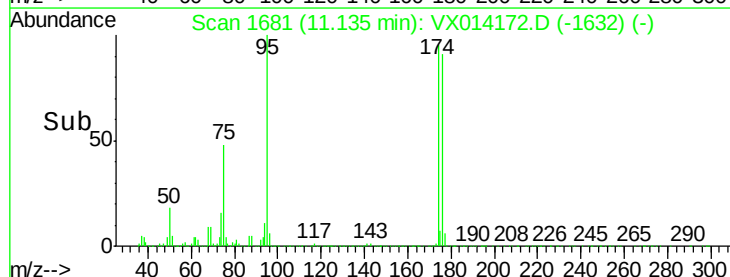
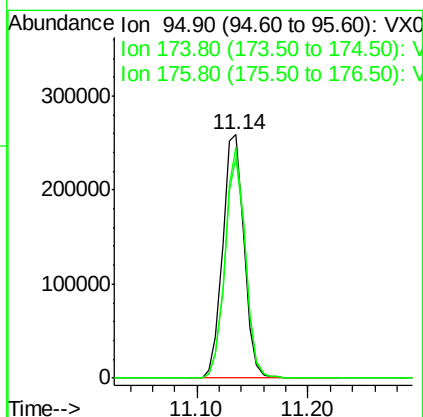
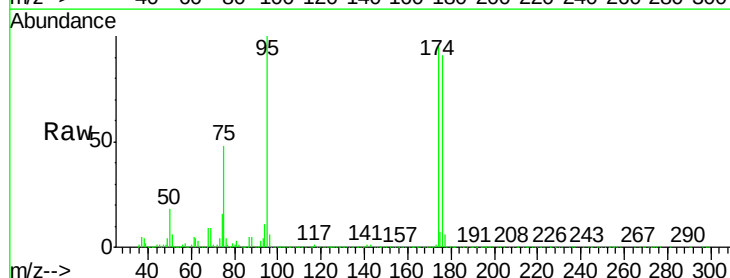
Tgt Ion: 95 Resp: 343301

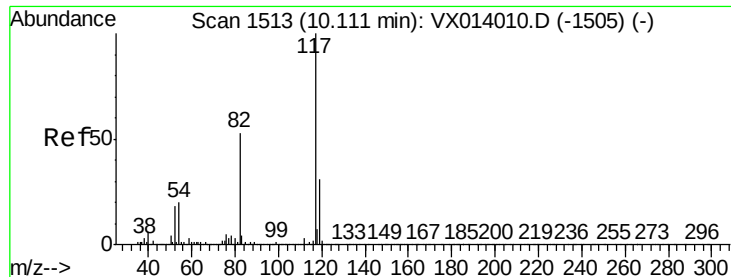
Ion Ratio Lower Upper

95 100

174 89.5 0.0 175.8

176 87.1 0.0 173.0

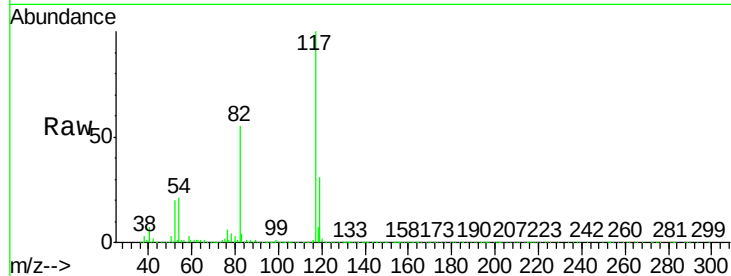




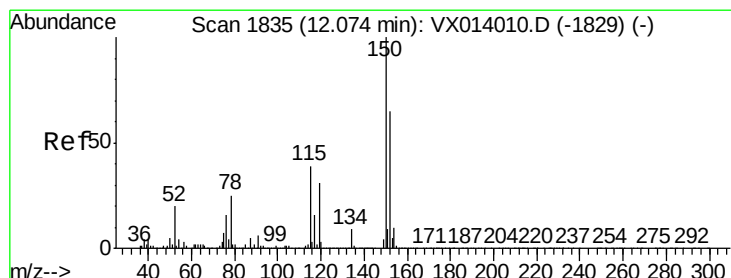
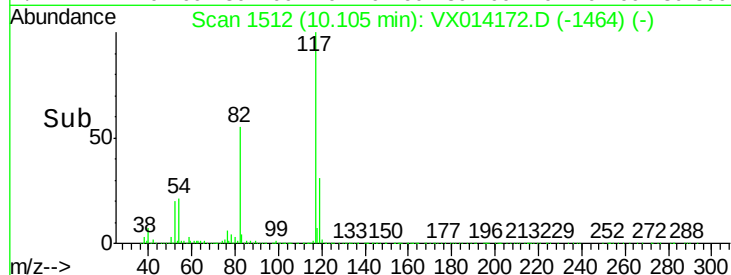
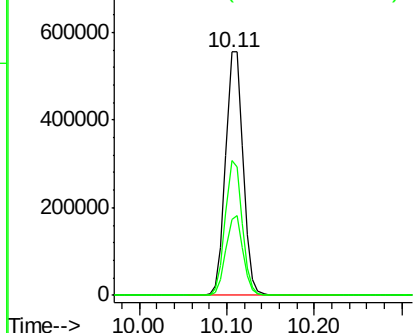
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014172.D
Acq: 20 Dec 2019 14:29

Instrument :
MSVOA_X
ClientSampleId :
TB-12-19-19

Tgt Ion:117 Resp: 770215
Ion Ratio Lower Upper
117 100
82 55.4 42.2 63.4
119 31.4 25.1 37.7

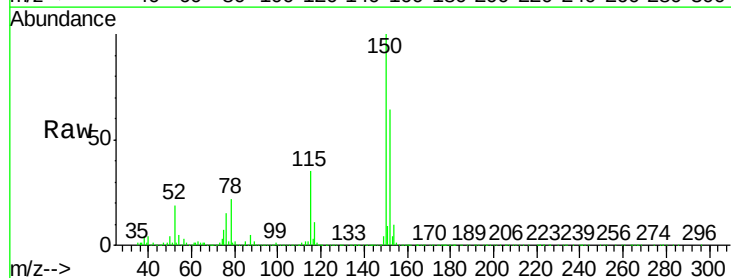


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

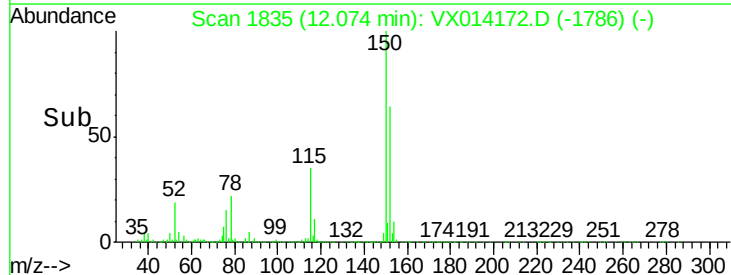
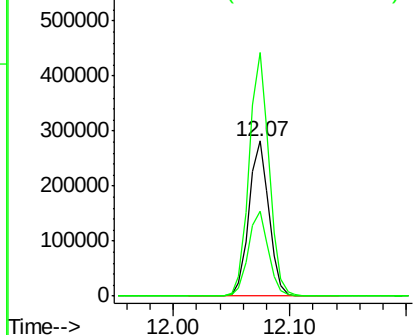


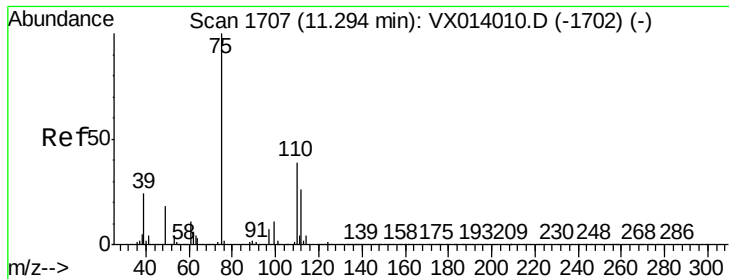
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014172.D
Acq: 20 Dec 2019 14:29

Tgt Ion:152 Resp: 337924
Ion Ratio Lower Upper
152 100
115 55.0 38.3 114.9
150 156.8 0.0 345.4



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: 22.422 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX014172.D

Acq: 20 Dec 2019 14:29

Instrument :

MSVOA_X

ClientSampled :

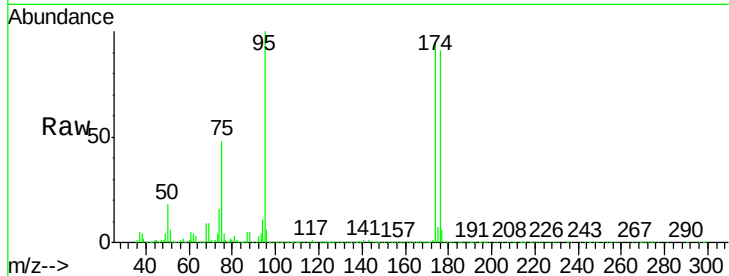
TB-12-19-19

Tgt Ion: 75 Resp: 164496

Ion Ratio Lower Upper

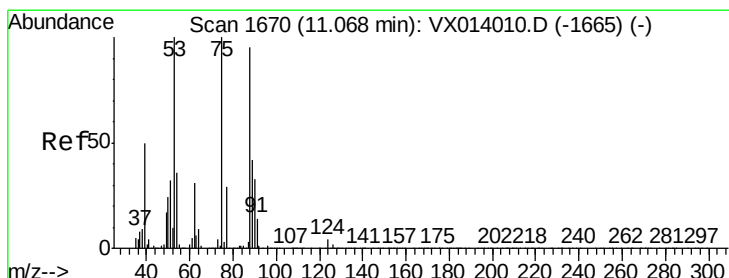
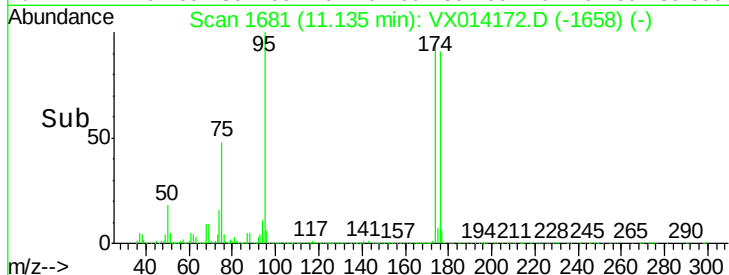
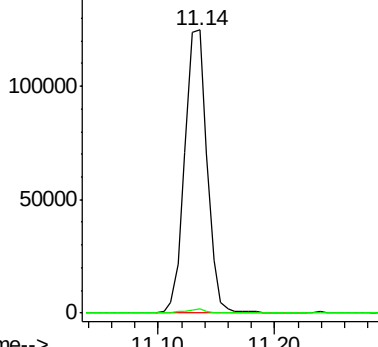
75 100

77 1.4 19.3 57.8#



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: 63.287 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX014172.D

Acq: 20 Dec 2019 14:29

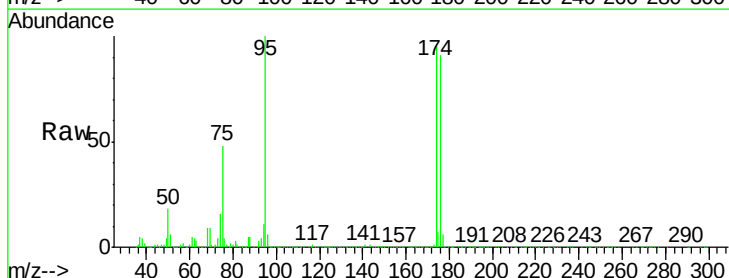
Tgt Ion: 75 Resp: 164496

Ion Ratio Lower Upper

75 100

53 0.4 76.7 115.1#

89 0.0 34.6 51.8#



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

