

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072619\
 Data File : VX011118.D
 Acq On : 27 Jul 2019 03:06
 Operator : JC/SP
 Sample : K4017-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SU19-MSW0103

Quant Time: Jul 27 04:28:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 24 05:39:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	191496	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	310602	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	290504	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	132215	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	108002	53.01	ug/l	0.00
Spiked Amount			Recovery	=	106.02%	
35) Dibromofluoromethane	5.50	113	97705	49.56	ug/l	0.00
Spiked Amount			Recovery	=	99.12%	
50) Toluene-d8	8.71	98	376359	50.90	ug/l	0.00
Spiked Amount			Recovery	=	101.80%	
62) 4-Bromofluorobenzene	11.13	95	131877	48.52	ug/l	0.00
Spiked Amount			Recovery	=	97.04%	

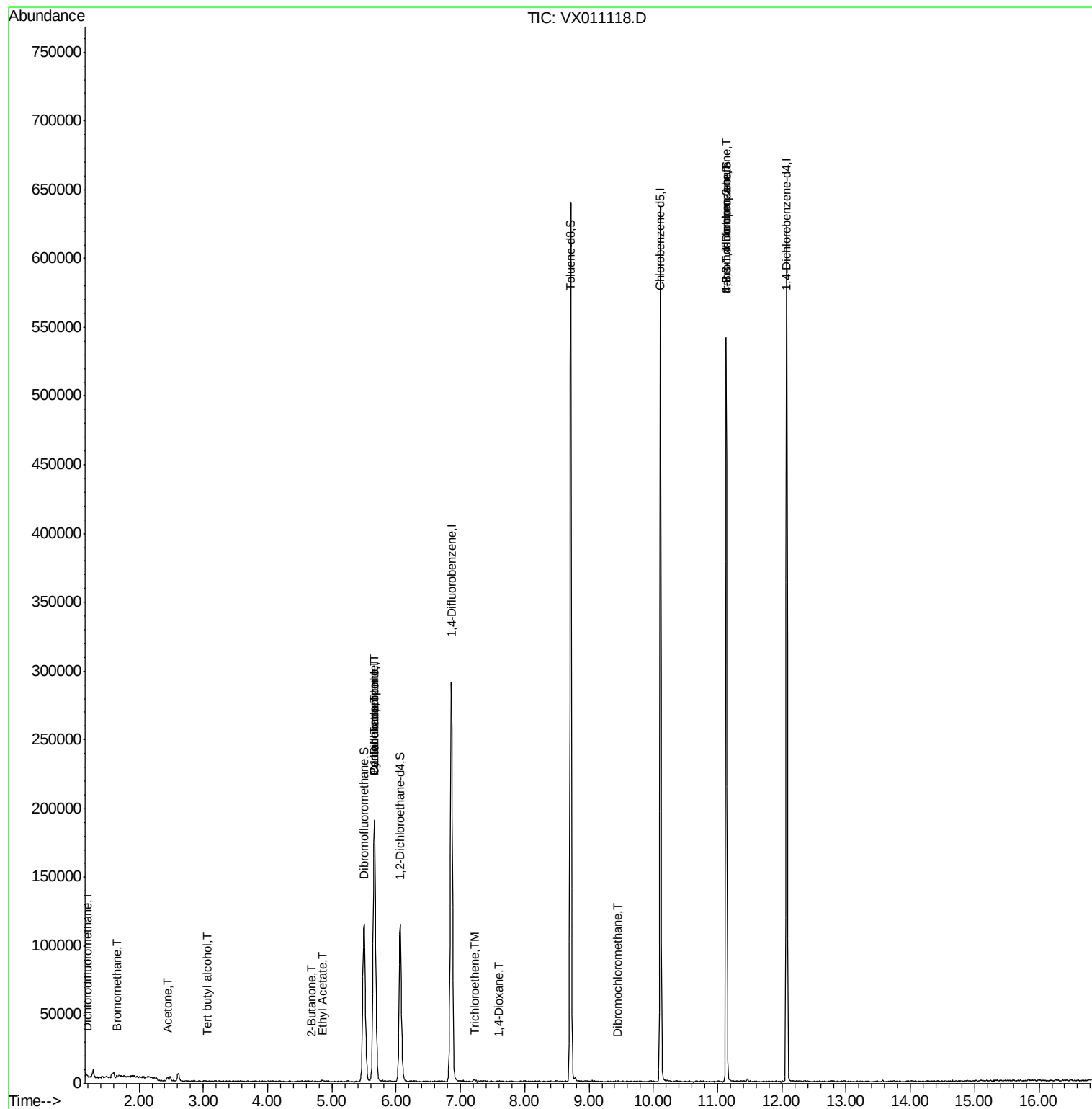
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	42	0.567	ug/l #	43
5) Bromomethane	1.66	94	564	0.557	ug/l #	37
11) Tert butyl alcohol	3.06	59	433	0.913	ug/l #	87
16) Acetone	2.45	43	2837	3.083	ug/l	93
25) 2-Butanone	4.68	43	266	0.201	ug/l #	46
31) Cyclohexane	5.65	56	3708	1.341	ug/l #	36
36) 1,1-Dichloropropene	5.67	75	12965	5.082	ug/l #	49
37) Ethyl Acetate	4.85	43	934	0.358	ug/l #	76
38) Carbon Tetrachloride	5.66	117	18064	6.795	ug/l #	16
44) Trichloroethene	7.21	130	465	0.201	ug/l	90
49) 1,4-Dioxane	7.59	88	21	0.359	ug/l #	28
60) Dibromochloromethane	9.45	129	32	2.540	ug/l #	11
76) 1,2,3-Trichloropropane	11.13	75	65431	27.424	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	65431	67.930	ug/l #	11

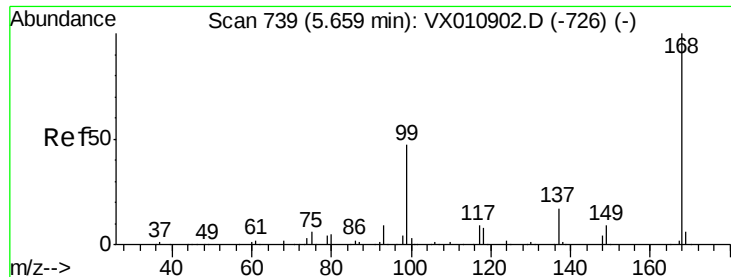
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX011118.D

Acq: 27 Jul 2019 03:06

Instrument :

MSVOA_X

ClientSampleId :

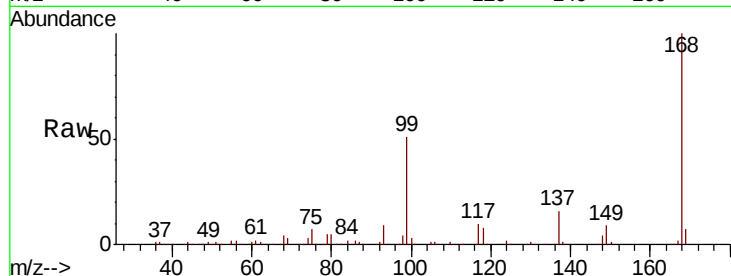
SU19-MSW0103

Tot Ion:168 Resp: 191496

Ion Ratio Lower Upper

168 100

99 50.8 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

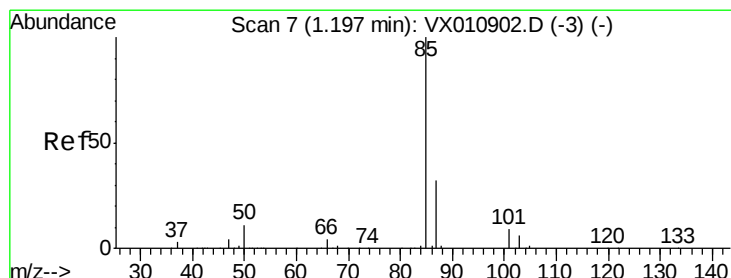
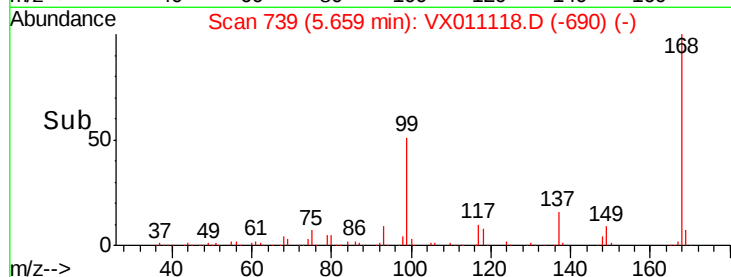
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.567 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX011118.D

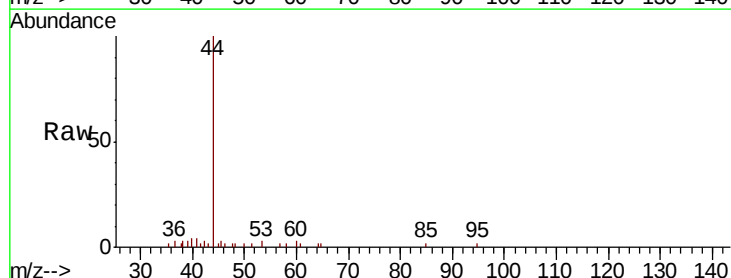
Acq: 27 Jul 2019 03:06

Tgt Ion: 85 Resp: 42

Ion Ratio Lower Upper

85 100

87 0.0 15.9 47.7#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

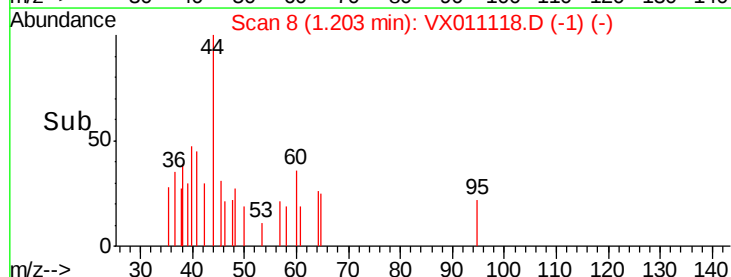
60

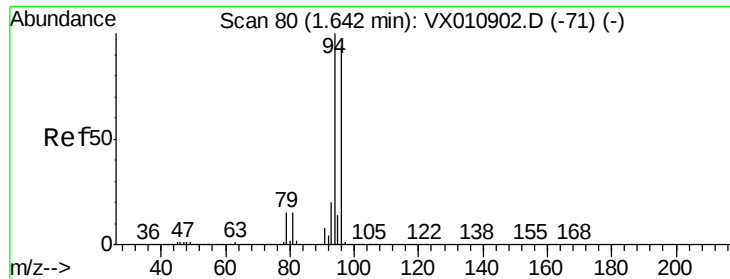
40

20

0

Time--> 1.18 1.20 1.22





#5

Bromomethane

Concen: 0.557 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX011118.D

Acq: 27 Jul 2019 03:06

Instrument :

MSVOA_X

ClientSampleId :

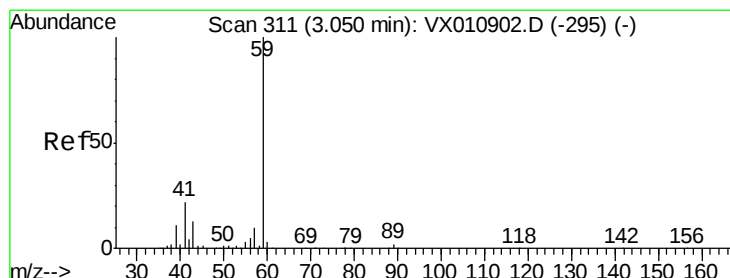
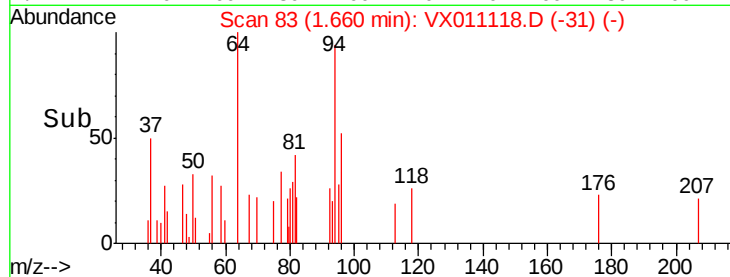
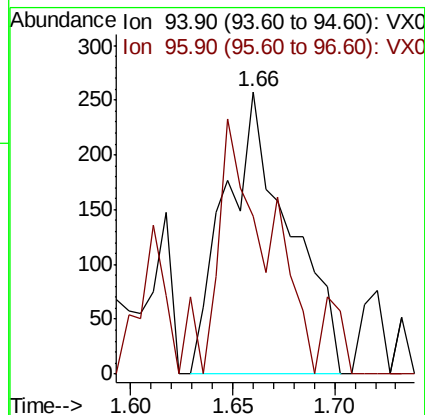
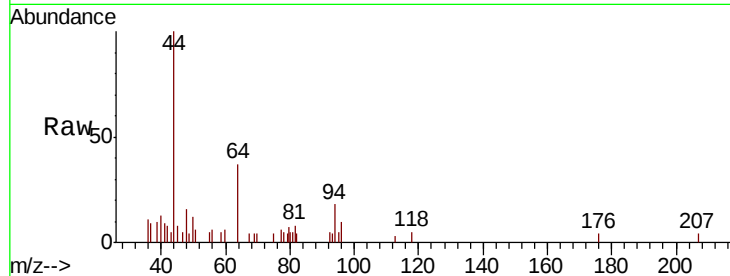
SU19-MSW0103

Tot Ion: 94 Resp: 564

Ion Ratio Lower Upper

94 100

96 33.3 75.6 113.4#



#11

Tert butyl alcohol

Concen: 0.913 ug/l

RT: 3.06 min Scan# 312

Delta R.T. 0.01 min

Lab File: VX011118.D

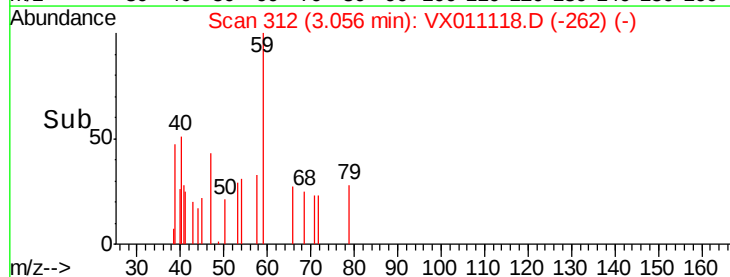
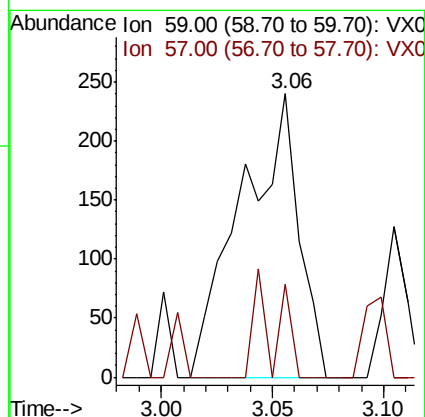
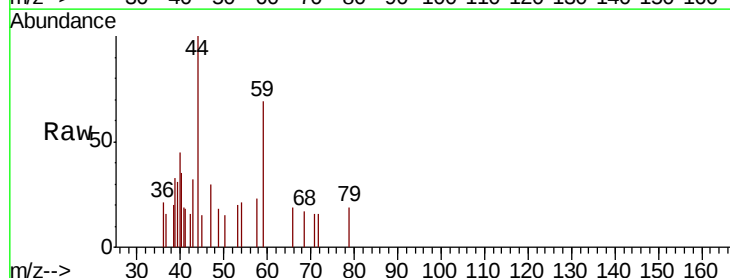
Acq: 27 Jul 2019 03:06

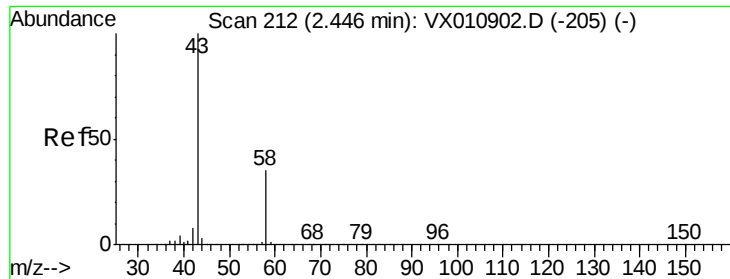
Tgt Ion: 59 Resp: 433

Ion Ratio Lower Upper

59 100

57 14.5 7.9 11.9#





#16

Acetone

Concen: 3.083 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX011118.D

Acq: 27 Jul 2019 03:06

Instrument :

MSVOA_X

ClientSampleId :

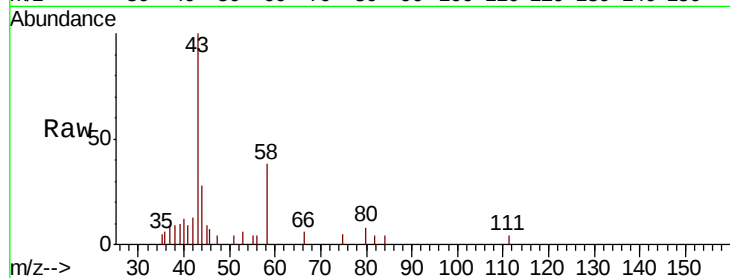
SU19-MSW0103

Tot Ion: 43 Resp: 2837

Ion Ratio Lower Upper

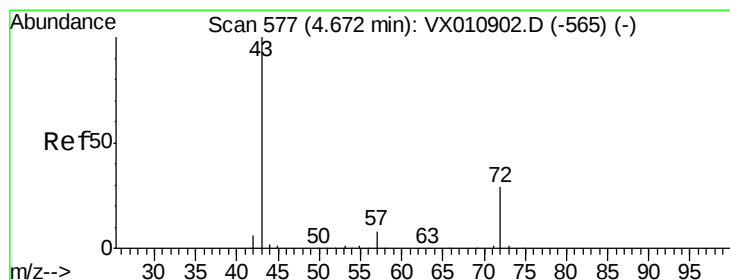
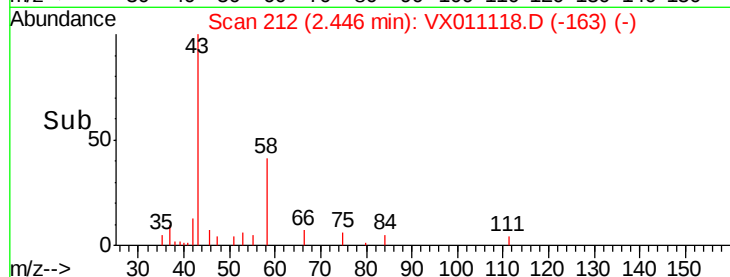
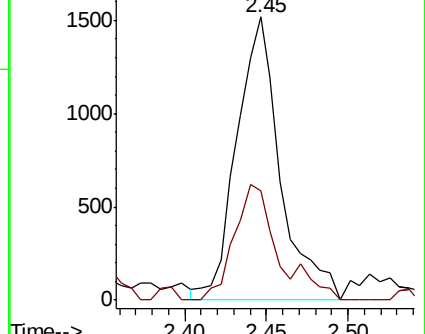
43 100

58 38.4 27.7 41.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#25

2-Butanone

Concen: 0.201 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX011118.D

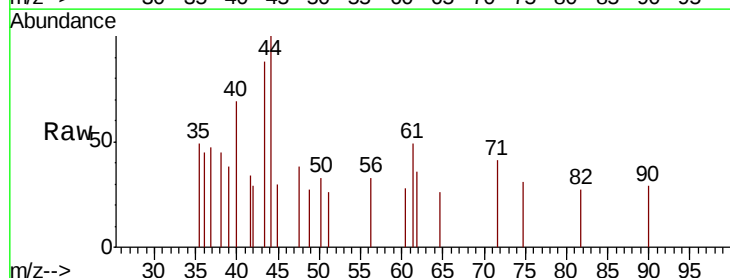
Acq: 27 Jul 2019 03:06

Tgt Ion: 43 Resp: 266

Ion Ratio Lower Upper

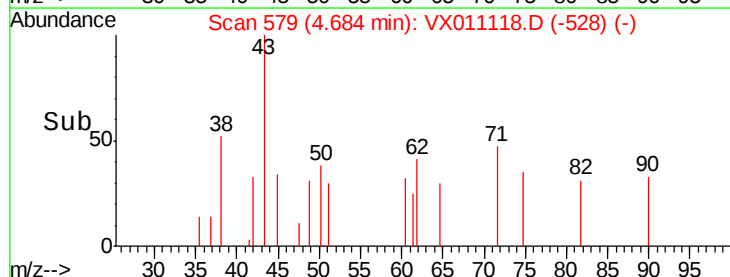
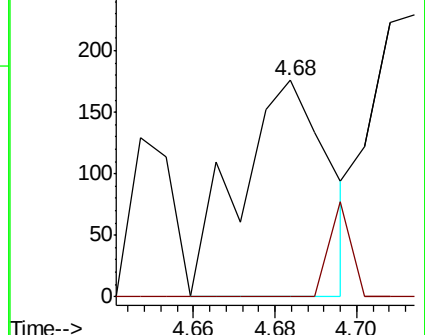
43 100

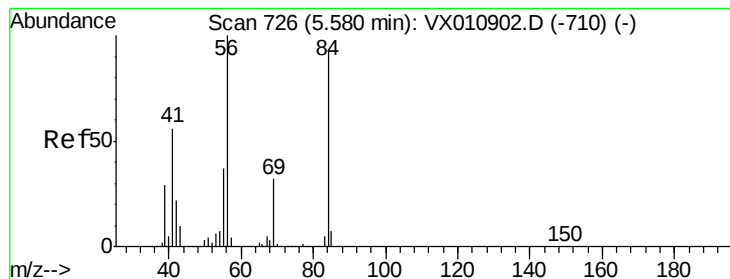
72 0.0 23.0 34.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#31

Cyclohexane

Concen: 1.341 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.07 min

Lab File: VX011118.D

Acq: 27 Jul 2019 03:06

Instrument :

MSVOA_X

ClientSampleId :

SU19-MSW0103

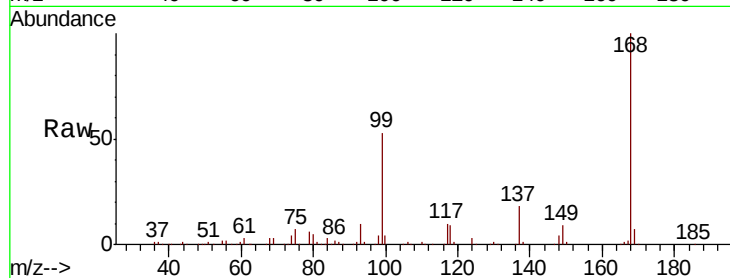
Tot Ion: 56 Resp: 3708

Ion Ratio Lower Upper

56 100

69 136.1 25.8 38.8#

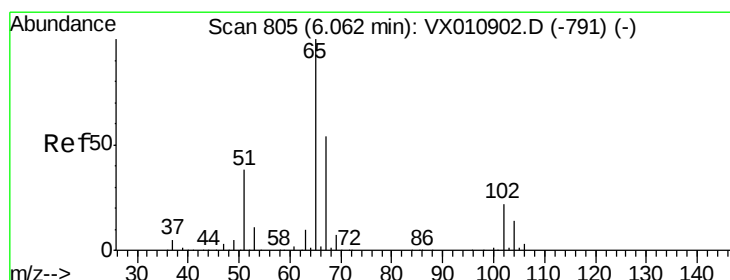
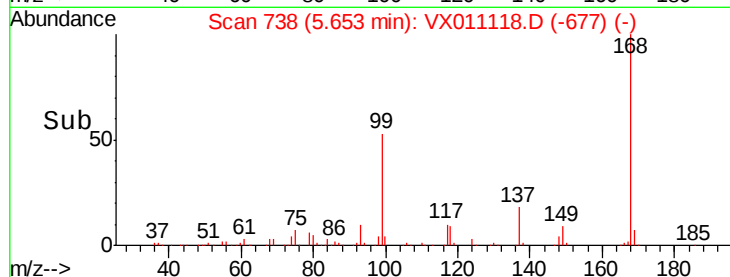
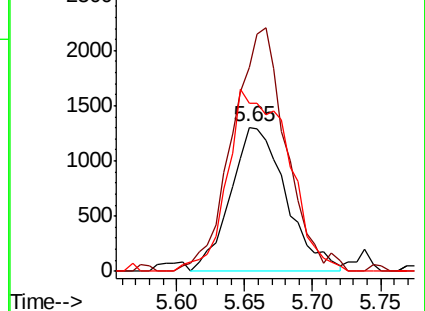
84 112.9 73.8 110.6#



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: 53.014 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX011118.D

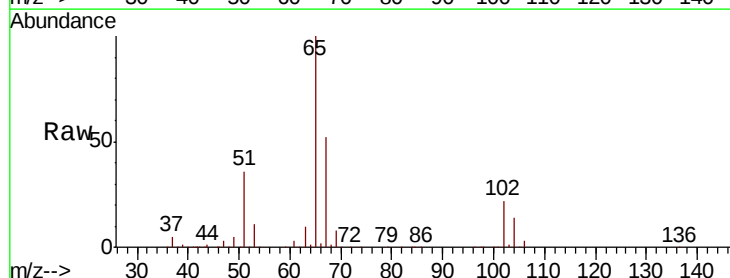
Acq: 27 Jul 2019 03:06

Tgt Ion: 65 Resp: 108002

Ion Ratio Lower Upper

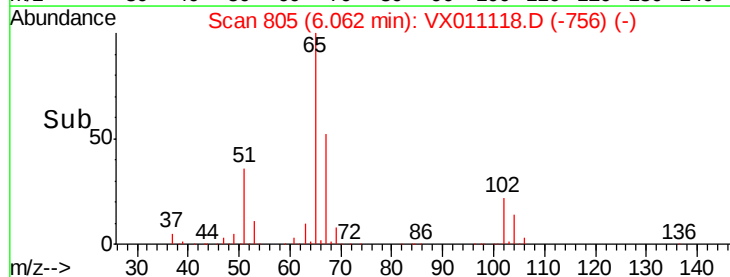
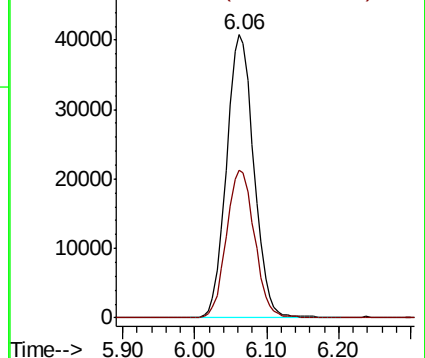
65 100

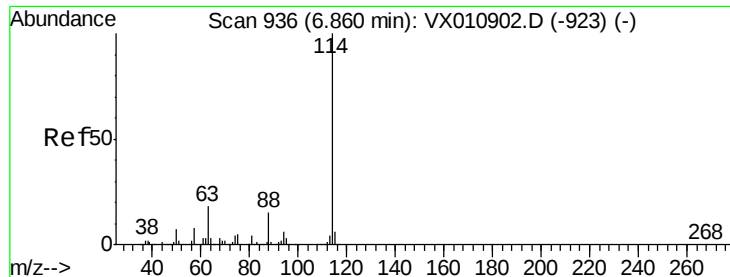
67 53.8 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX011118.D

Acq: 27 Jul 2019 03:06

Instrument :

MSVOA_X

ClientSampleId :

SU19-MSW0103

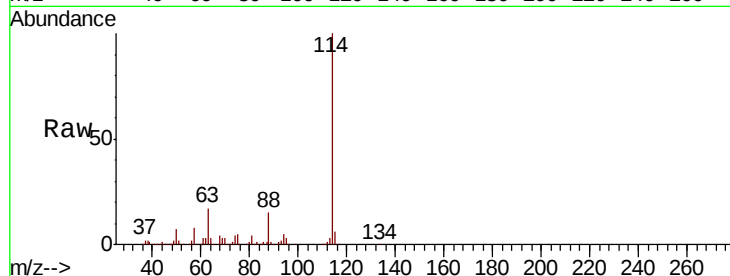
Tot Ion:114 Resp: 310602

Ion Ratio Lower Upper

114 100

63 17.5 0.0 35.6

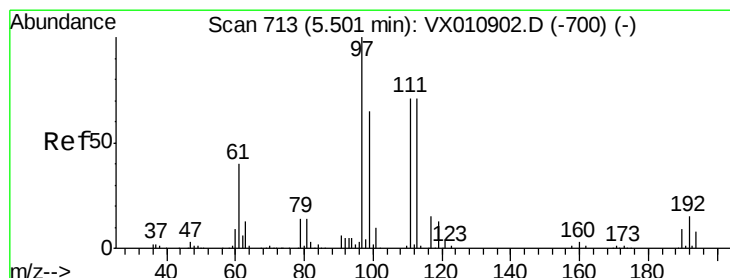
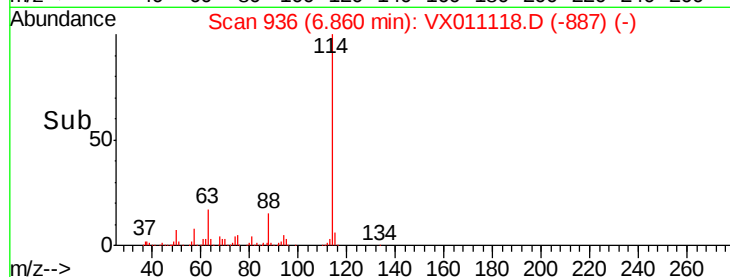
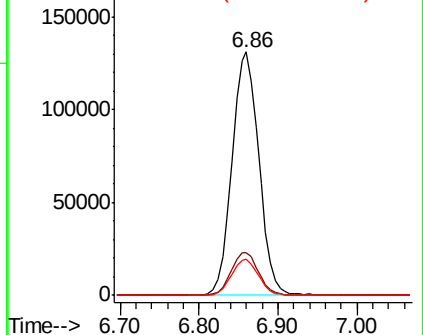
88 14.7 0.0 29.8



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: 49.560 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX011118.D

Acq: 27 Jul 2019 03:06

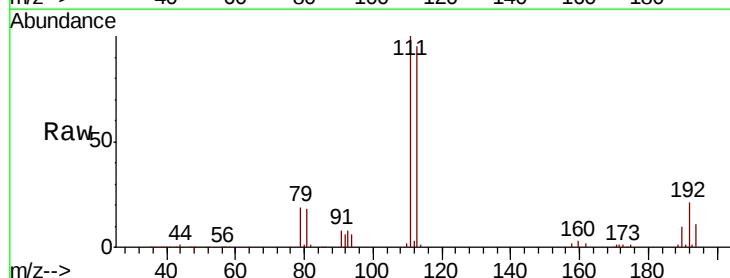
Tgt Ion:113 Resp: 97705

Ion Ratio Lower Upper

113 100

111 102.3 82.3 123.5

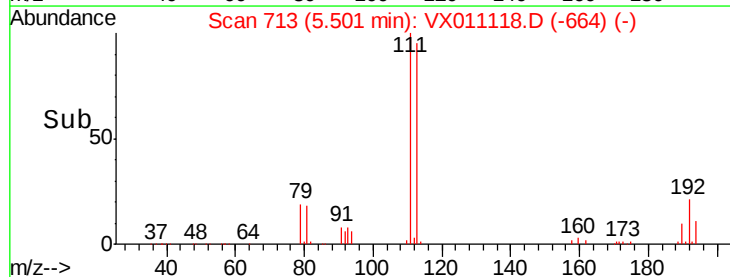
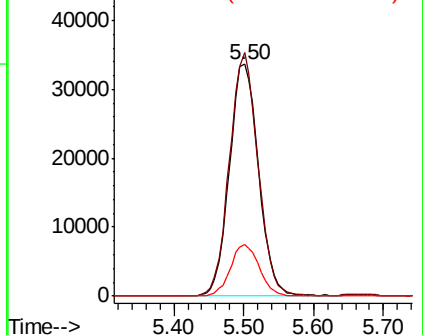
192 22.0 17.4 26.2

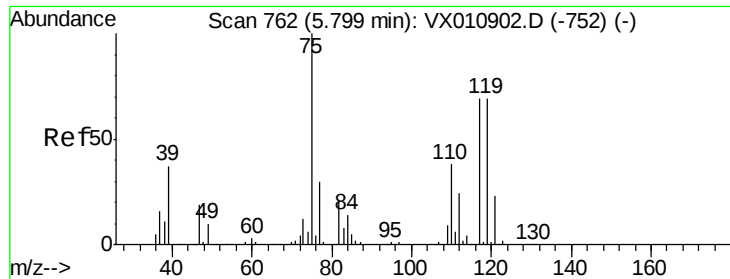


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.082 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX011118.D

Acq: 27 Jul 2019 03:06

Instrument :

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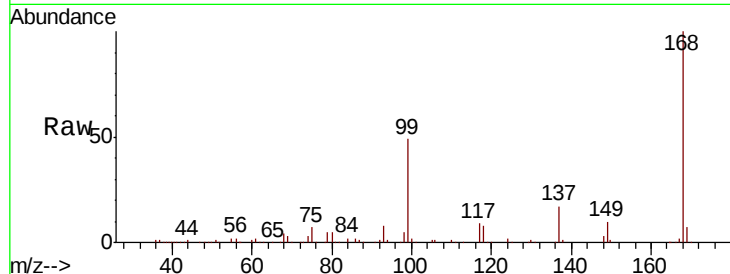
Tot Ion: 75 Resp: 12965

Ion Ratio Lower Upper

75 100

110 10.6 19.9 59.7#

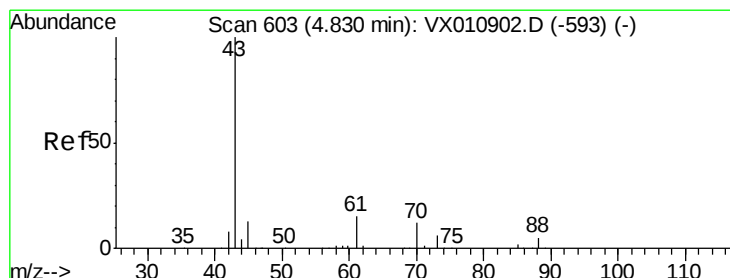
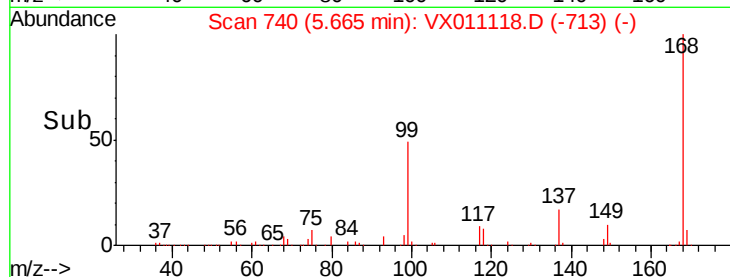
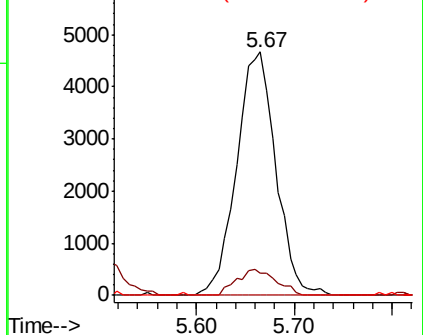
77 0.0 25.0 37.4#



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: 0.358 ug/l

RT: 4.85 min Scan# 607

Delta R.T. 0.02 min

Lab File: VX011118.D

Acq: 27 Jul 2019 03:06

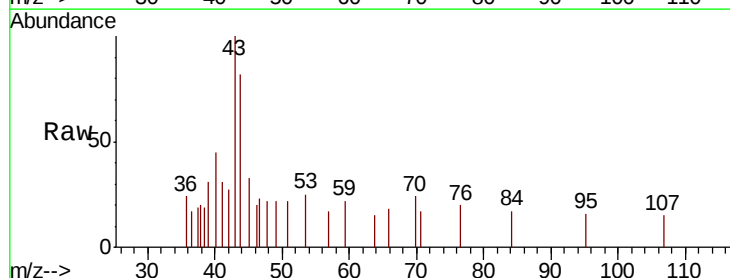
Tgt Ion: 43 Resp: 934

Ion Ratio Lower Upper

43 100

61 19.8 11.6 17.4#

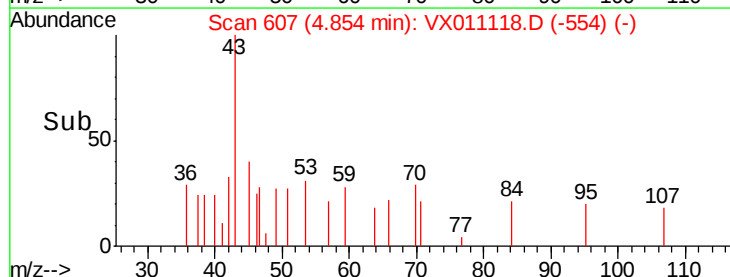
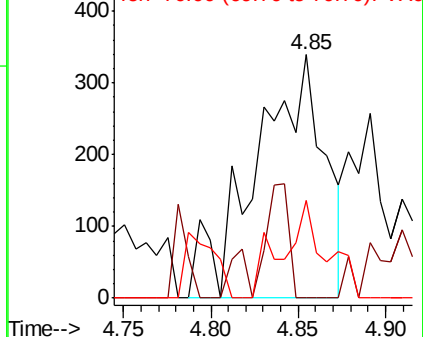
70 25.6 9.1 13.7#

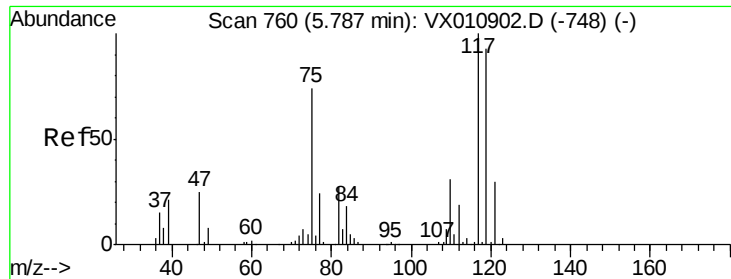


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0





#38

Carbon Tetrachloride

Concen: 6.795 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX011118.D

Acq: 27 Jul 2019 03:06

Instrument :

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ClientSampleId :

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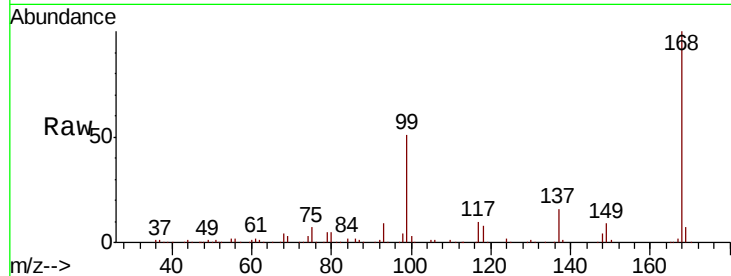
Tot Ion:117 Resp: 18064

Ion Ratio Lower Upper

117 100

119 3.8 74.2 111.2#

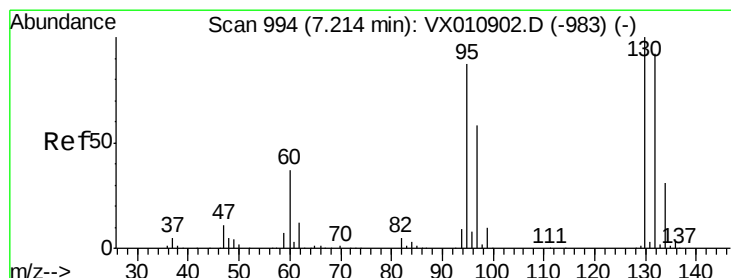
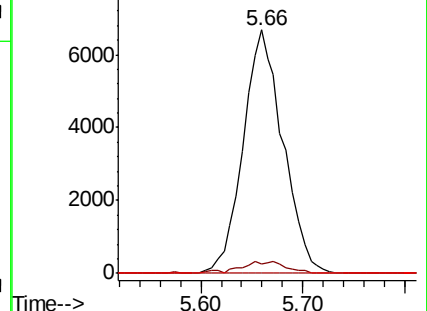
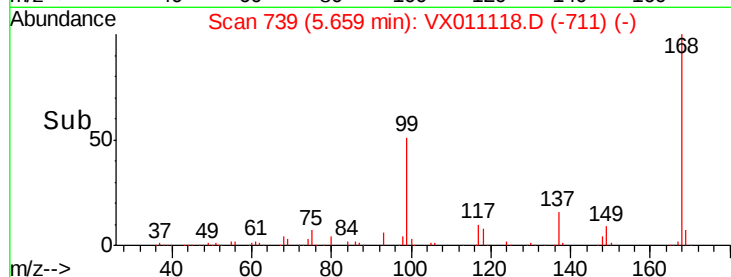
121 0.0 24.2 36.2#



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



#44

Trichloroethene

Concen: 0.201 ug/l

RT: 7.21 min Scan# 993

Delta R.T. -0.01 min

Lab File: VX011118.D

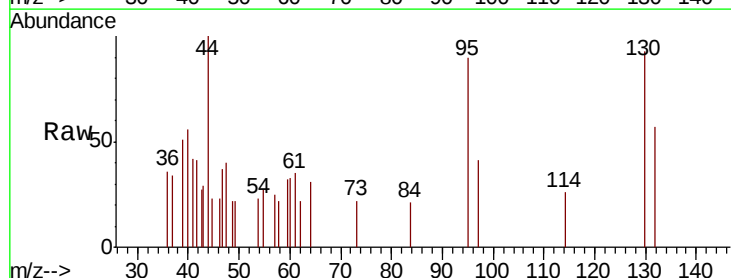
Acq: 27 Jul 2019 03:06

Tgt Ion:130 Resp: 465

Ion Ratio Lower Upper

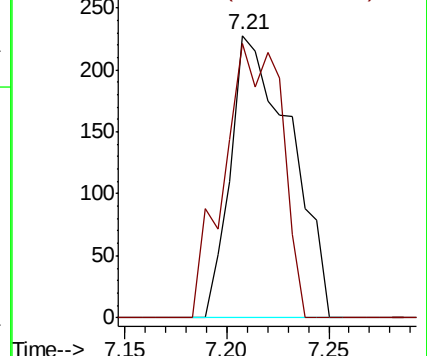
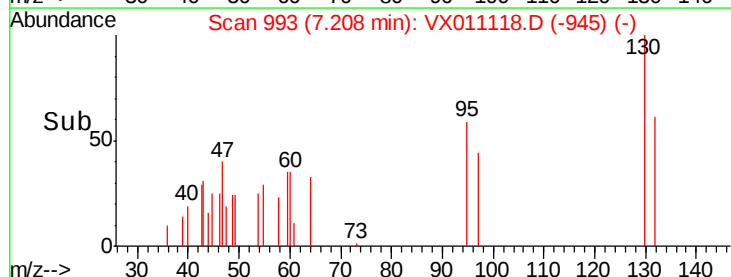
130 100

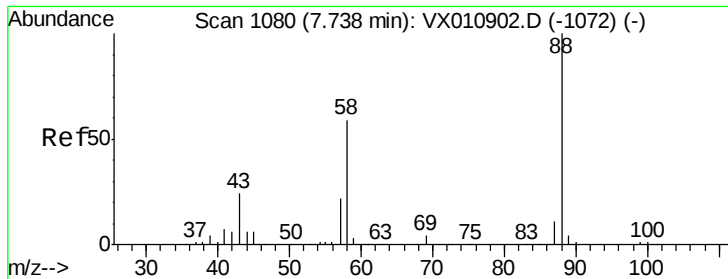
95 96.9 0.0 174.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 0.359 ug/l

RT: 7.59 min Scan# 1056

Delta R.T. -0.15 min

Lab File: VX011118.D

Acq: 27 Jul 2019 03:06

Instrument :

MSVOA_X

ClientSampleId :

SU19-MSW0103

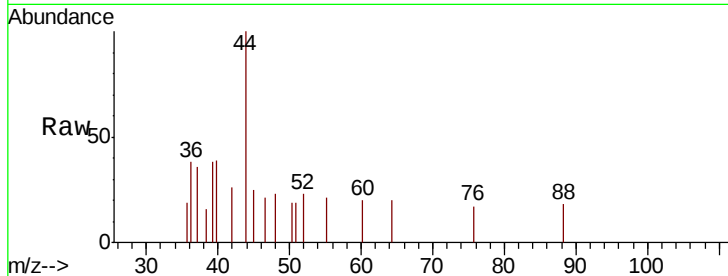
Tot Ion: 88 Resp: 21

Ion Ratio Lower Upper

88 100

43 0.0 22.9 34.3#

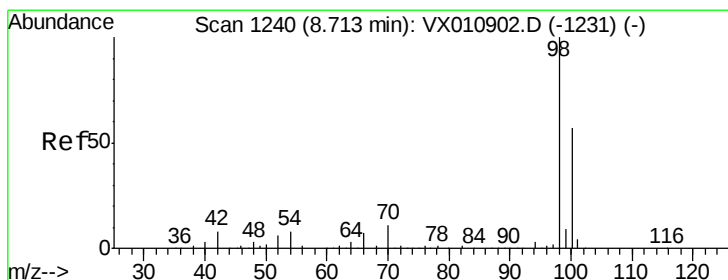
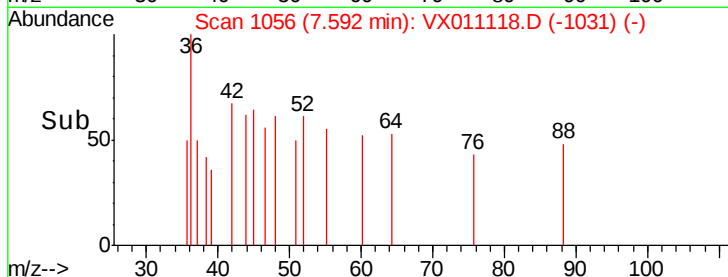
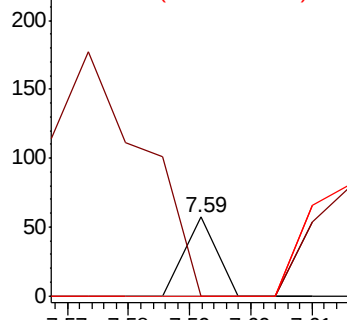
58 0.0 49.8 74.8#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 50.899 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011118.D

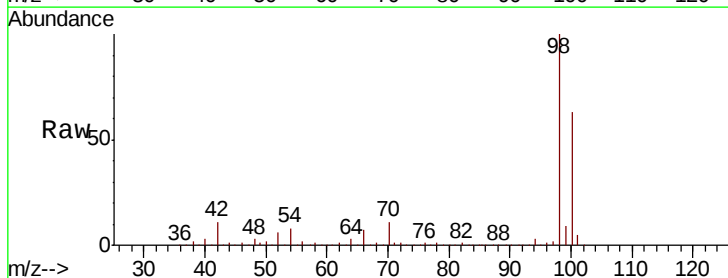
Acq: 27 Jul 2019 03:06

Tgt Ion: 98 Resp: 376359

Ion Ratio Lower Upper

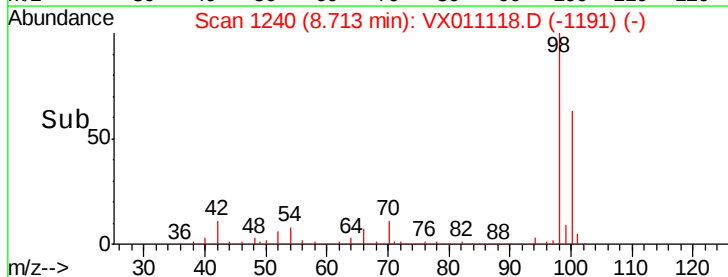
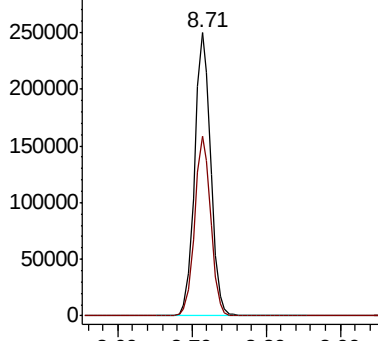
98 100

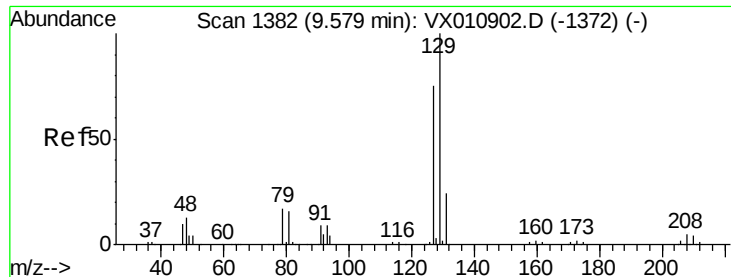
100 63.4 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#60

Dibromochloromethane

Concen: 2.540 ug/l

RT: 9.45 min Scan# 1360

Delta R.T. -0.13 min

Lab File: VX011118.D

Acq: 27 Jul 2019 03:06

Instrument :

MSVOA_X

ClientSampleId :

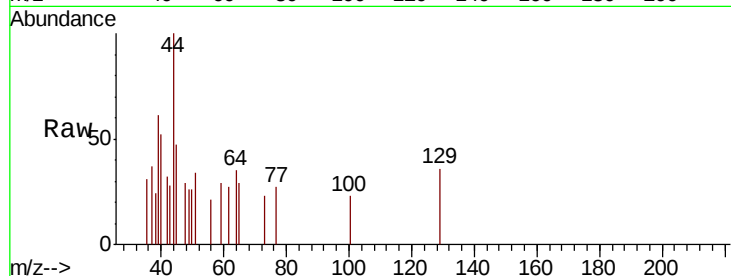
SU19-MSW0103

Tot Ion:129 Resp: 32

Ion Ratio Lower Upper

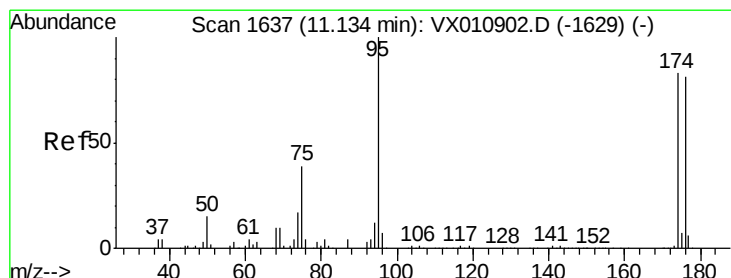
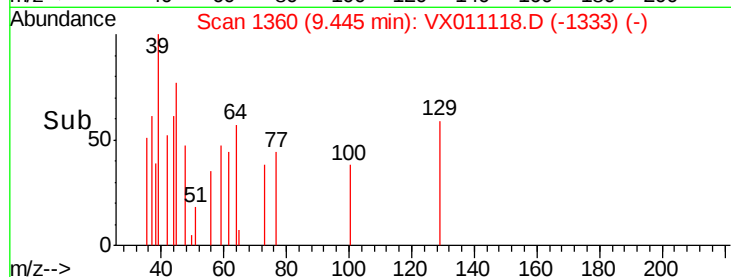
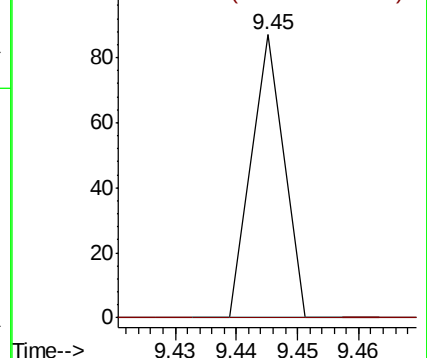
129 100

127 0.0 38.6 115.8#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 48.522 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011118.D

Acq: 27 Jul 2019 03:06

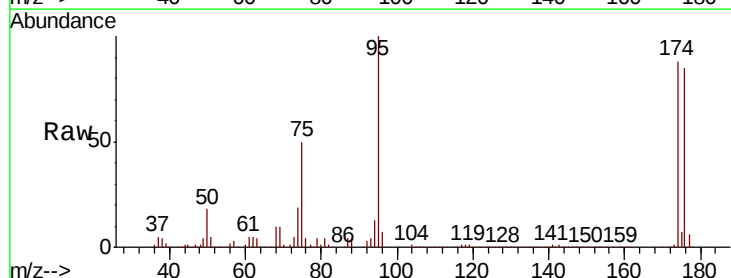
Tgt Ion: 95 Resp: 131877

Ion Ratio Lower Upper

95 100

174 91.1 0.0 180.6

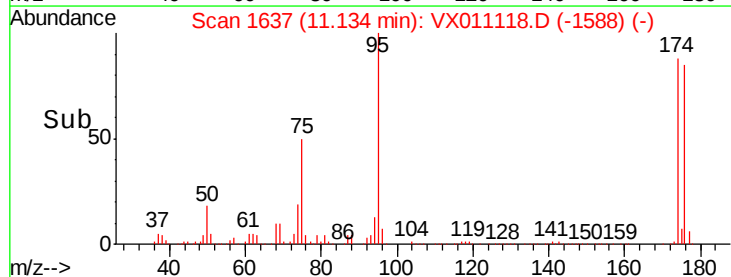
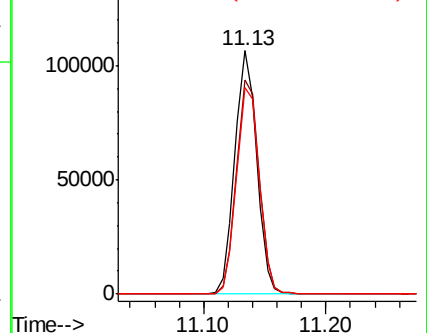
176 88.0 0.0 173.8

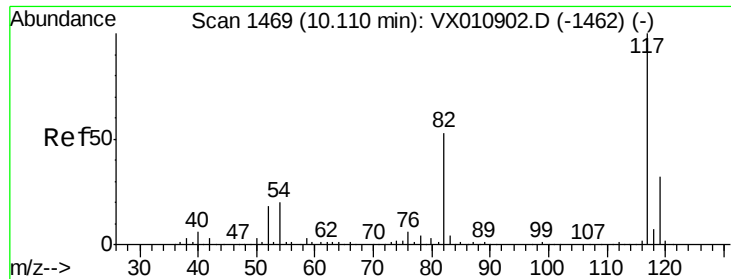


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

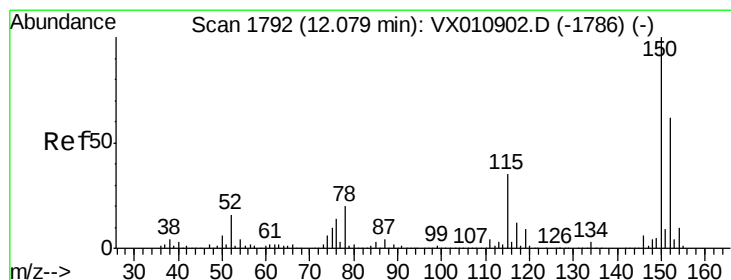
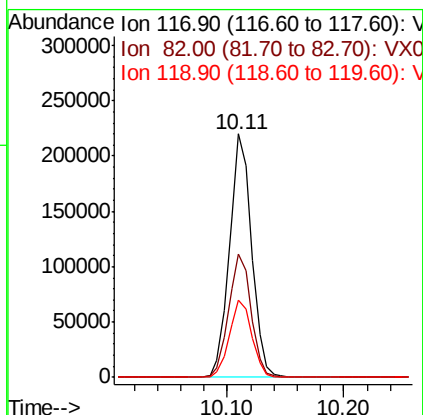
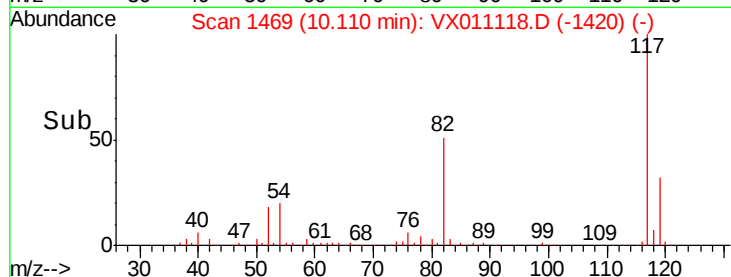
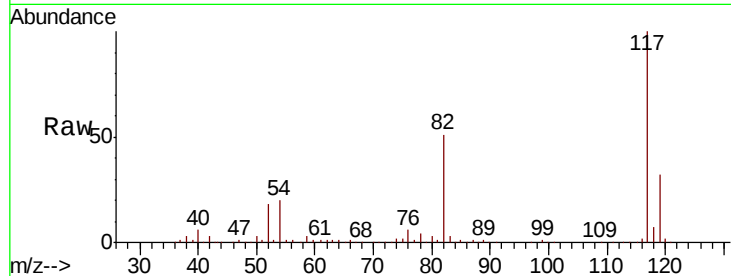




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011118.D
Acq: 27 Jul 2019 03:06

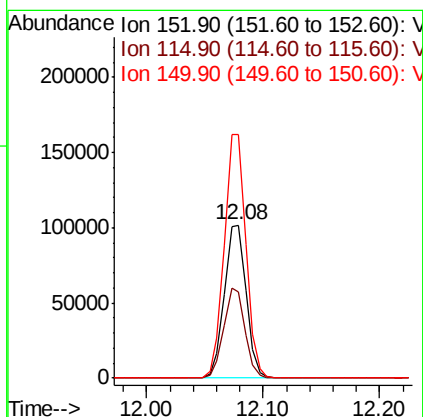
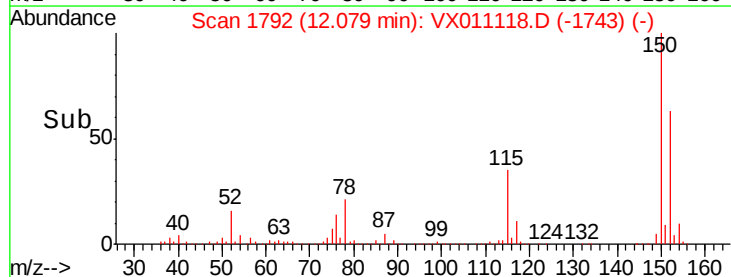
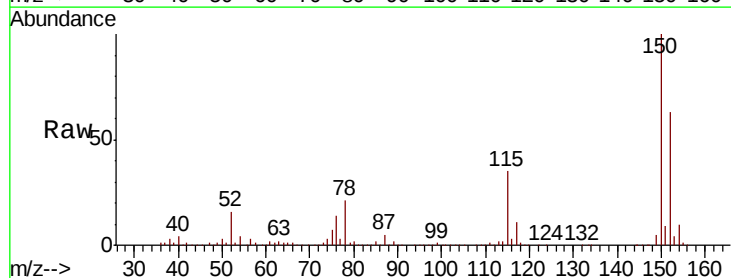
Instrument :
MSVOA_X
ClientSampleId :
SU19-MSW0103

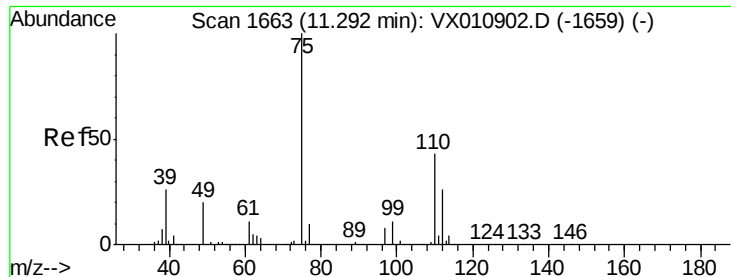
Tot Ion:117 Resp: 290504
Ion Ratio Lower Upper
117 100
82 50.8 42.6 63.8
119 31.8 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX011118.D
Acq: 27 Jul 2019 03:06

Tgt Ion:152 Resp: 132215
Ion Ratio Lower Upper
152 100
115 57.1 39.7 119.1
150 158.4 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 27.424 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011118.D

Acq: 27 Jul 2019 03:06

Instrument :

MSVOA_X

ClientSampleId :

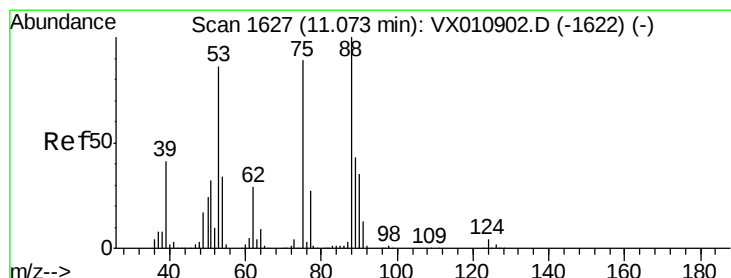
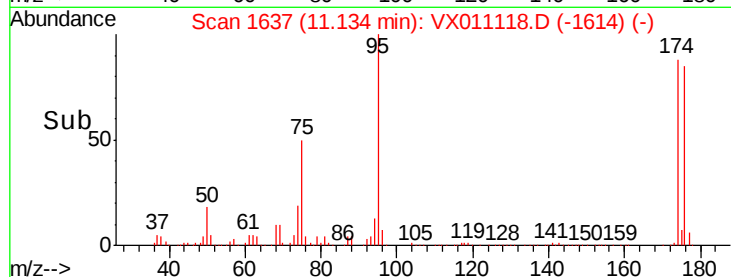
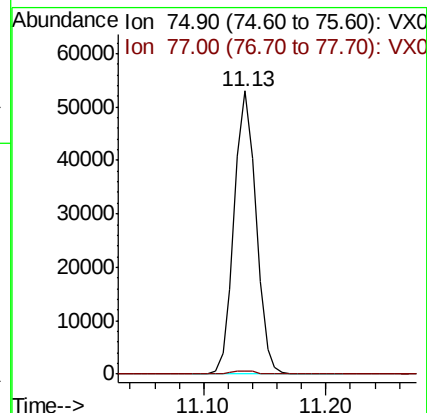
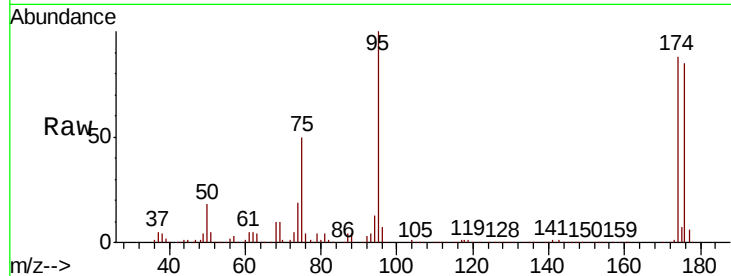
SU19-MSW0103

Tot Ion: 75 Resp: 65431

Ion Ratio Lower Upper

75 100

77 1.3 21.3 64.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.930 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011118.D

Acq: 27 Jul 2019 03:06

Tgt Ion: 75 Resp: 65431

Ion Ratio Lower Upper

75 100

53 0.2 76.7 115.1#

89 0.0 38.5 57.7#

