

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111122\
 Data File : VW028897.D
 Acq On : 12 Nov 2022 00:06
 Operator : SY/MD
 Sample : N5592-19
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H0AC4

Quant Time: Nov 12 02:59:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 11 22:27:09 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	300284	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	273988	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.243	152	129765	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	82944	4.531	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.600%
7) Chloroethane-d5	1.564	69	77044	4.787	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.800%
11) 1,1-Dichloroethene-d2	2.108	63	146142	4.381	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.600%
20) 2-Butanone-d5	3.883	46	178229	58.160	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.320%
24) Chloroform-d	4.342	84	185380	4.932	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.600%
26) 1,2-Dichloroethane-d4	5.031	65	83139	4.916	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.400%
32) Benzene-d6	5.047	84	392238	4.796	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.000%
36) 1,2-Dichloropropane-d6	6.066	67	115623	5.063	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.200%
41) Toluene-d8	7.313	98	346201	4.703	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.000%
43) trans-1,3-Dichloroprop...	7.622	79	34096	4.578	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.600%
46) 2-Hexanone-d5	8.085	63	160714	50.552	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.100%
56) 1,1,2,2-Tetrachloroeth...	10.210	84	79334	5.011	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.200%
66) 1,2-Dichlorobenzene-d4	11.619	152	115510	4.975	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.600%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.310	62	959	0.040	ug/L #	1
8) Chloroethane	1.455	64	27021	1.940	ug/L #	52
9) Trichlorofluoromethane	1.751	101	2727	0.085	ug/L	100
12) 1,1-Dichloroethene	2.117	96	61343	3.375	ug/L	86
17) Methyl tert-butyl Ether	2.767	73	2332	0.060	ug/L #	87
18) trans-1,2-Dichloroethene	2.761	96	1001	0.047	ug/L #	76
19) 1,1-Dichloroethane	3.188	63	7291	0.212	ug/L #	96
22) cis-1,2-Dichloroethene	3.908	96	28909	1.349	ug/L	98
25) Chloroform	4.371	83	15329	0.424	ug/L	96
29) 1,1,1-Trichloroethane	4.603	97	2626	0.082	ug/L #	85
34) Trichloroethene	5.908	95	377148	17.595	ug/L	98
35) Methylcyclohexane	6.066	83	28561	0.758	ug/L #	22
37) 1,2-Dichloropropane	6.066	63	11855	0.614	ug/L #	85
39) cis-1,3-Dichloropropene	6.985	75	2283	0.085	ug/L #	64
45) 1,1,2-Trichloroethane	7.966	97	6968	0.551	ug/L #	1
47) Tetrachloroethene	7.969	164	865263	50.414	ug/L	99
49) Dibromochloromethane	7.969	129	774560	50.689	ug/L #	10
61) 1,2,3-Trichloropropane	11.243	75	14165	1.597	ug/L #	65

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Misc : 25.0mL/MSVOA_V/WATER
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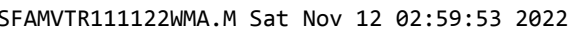
Instrument :
MSVOA_V
ClientSampleId :
H0AC4

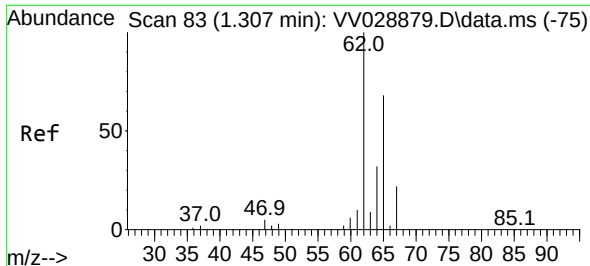
Quant Time: Nov 12 02:59:44 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Nov 11 22:27:09 2022
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
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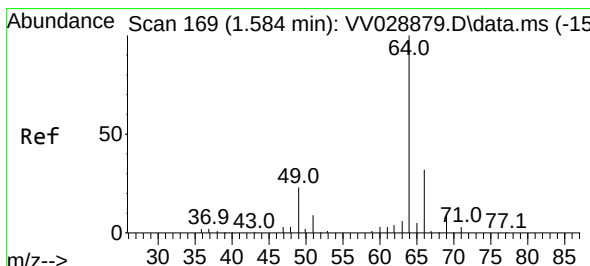
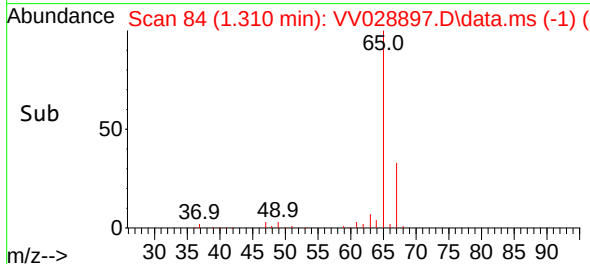
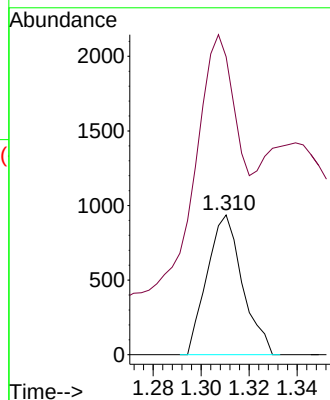
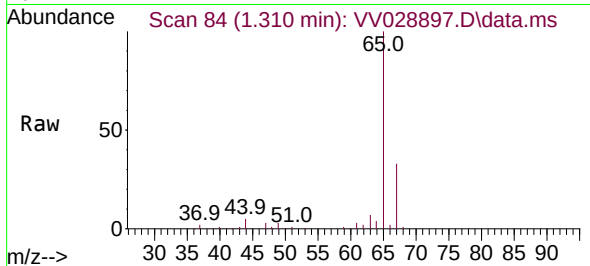




#5
 Vinyl chloride
 Concen: 0.040 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VV028897.D
 Acq: 12 Nov 2022 00:06

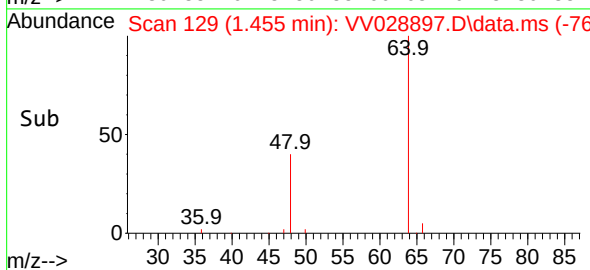
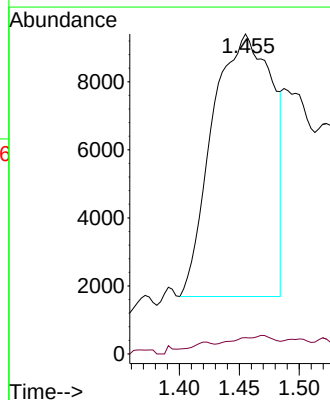
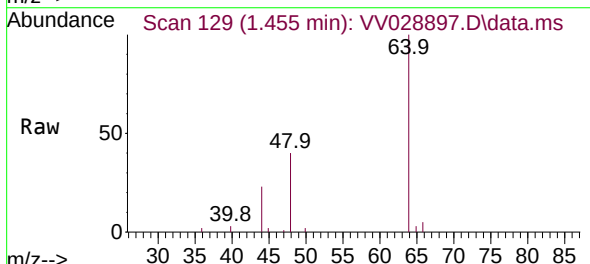
Instrument :
 MSVOA_V
 ClientSampleId :
 H0AC4

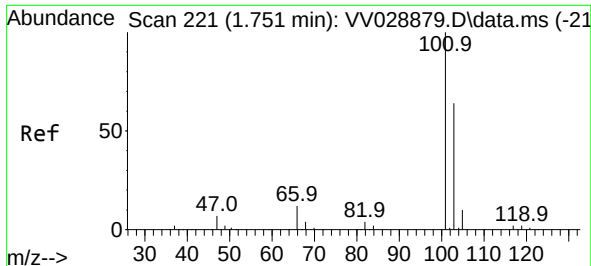
Tgt Ion: 62 Resp: 959
 Ion Ratio Lower Upper
 62 100
 64 213.1 22.8 42.4#



#8
 Chloroethane
 Concen: 1.940 ug/L
 RT: 1.455 min Scan# 129
 Delta R.T. -0.129 min
 Lab File: VV028897.D
 Acq: 12 Nov 2022 00:06

Tgt Ion: 64 Resp: 27021
 Ion Ratio Lower Upper
 64 100
 66 5.1 22.0 40.8#

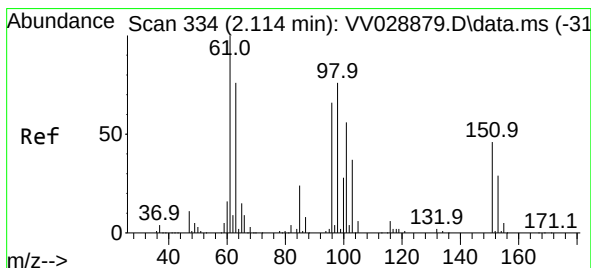
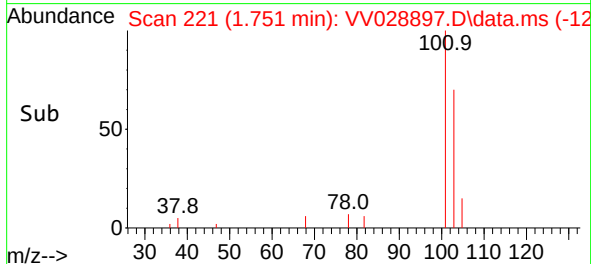
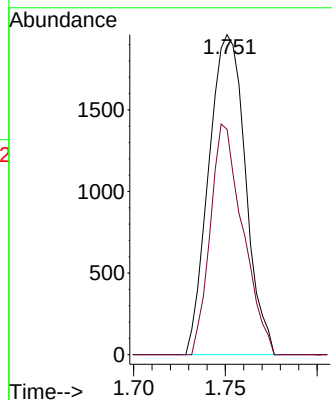
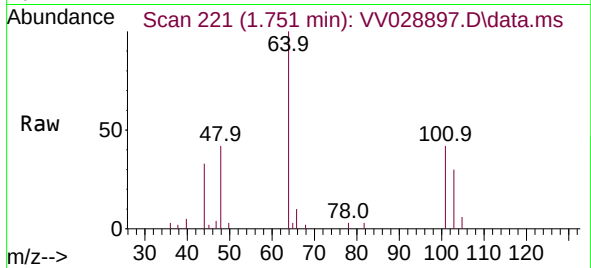




#9
 Trichlorofluoromethane
 Concen: 0.085 ug/L
 RT: 1.751 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV028897.D
 Acq: 12 Nov 2022 00:06

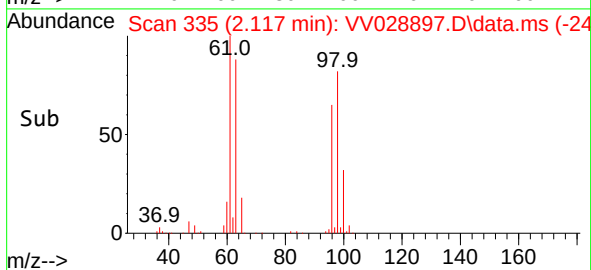
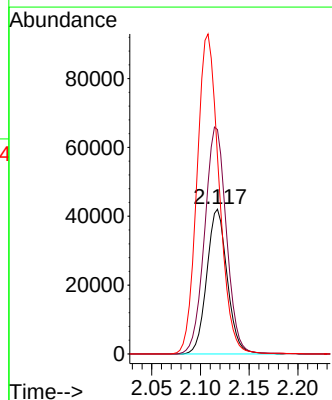
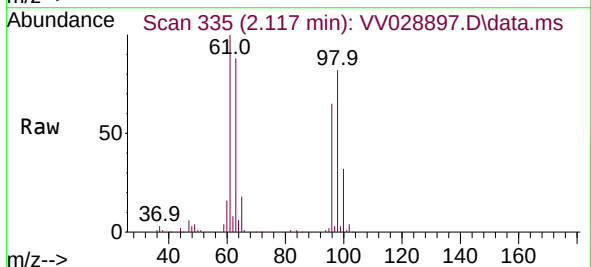
Instrument :
 MSVOA_V
 ClientSampleId :
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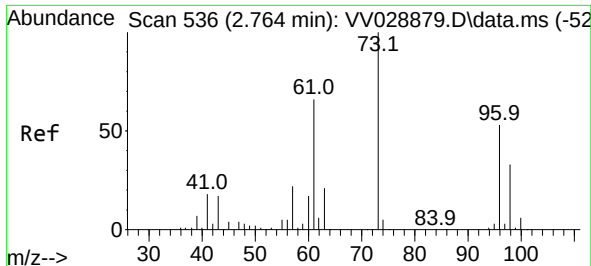
Tgt Ion:101 Resp: 2727
 Ion Ratio Lower Upper
 101 100
 103 63.9 51.3 76.9



#12
 1,1-Dichloroethene
 Concen: 3.375 ug/L
 RT: 2.117 min Scan# 335
 Delta R.T. 0.003 min
 Lab File: VV028897.D
 Acq: 12 Nov 2022 00:06

Tgt Ion: 96 Resp: 61343
 Ion Ratio Lower Upper
 96 100
 61 154.9 104.2 193.4
 63 136.2 75.9 140.9





#17

Methyl tert-butyl Ether

Concen: 0.060 ug/L

RT: 2.767 min Scan# 51

Delta R.T. 0.003 min

Lab File: VV028897.D

Acq: 12 Nov 2022 00:06

Instrument :

MSVOA_V

ClientSampleId :

H0AC4

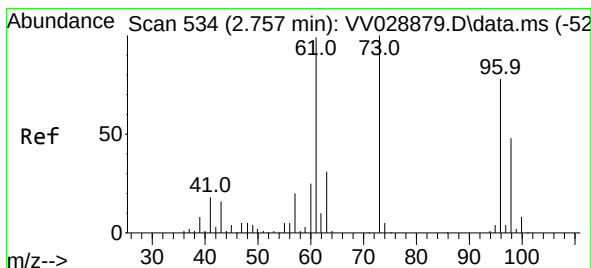
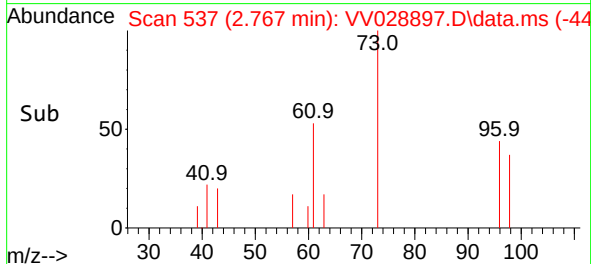
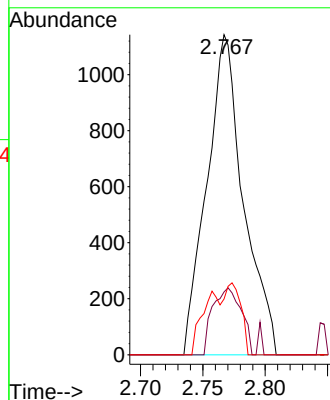
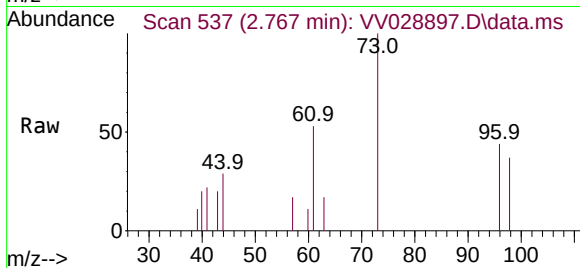
Tgt Ion: 73 Resp: 2332

Ion Ratio Lower Upper

73 100

43 16.4 13.0 19.4

57 10.4 16.6 24.8#



#18

trans-1,2-Dichloroethene

Concen: 0.047 ug/L

RT: 2.761 min Scan# 535

Delta R.T. 0.003 min

Lab File: VV028897.D

Acq: 12 Nov 2022 00:06

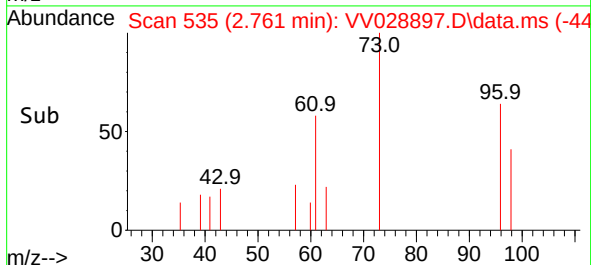
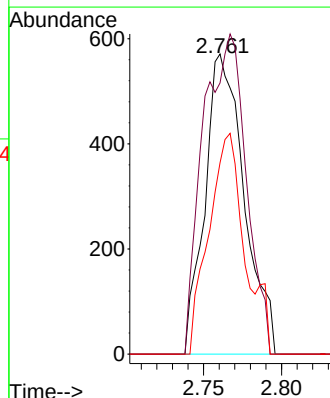
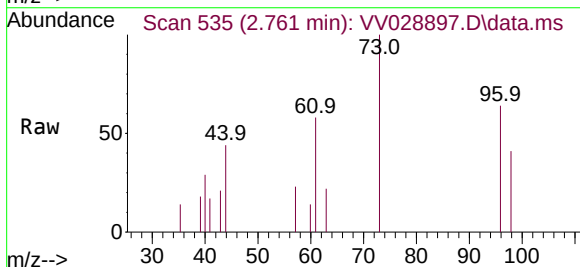
Tgt Ion: 96 Resp: 1001

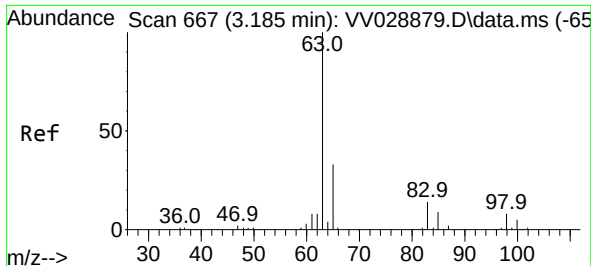
Ion Ratio Lower Upper

96 100

61 90.4 91.8 170.6#

98 63.7 46.4 86.2





#19

1,1-Dichloroethane

Concen: 0.212 ug/L

RT: 3.188 min Scan# 667

Delta R.T. 0.003 min

Lab File: VV028897.D

Acq: 12 Nov 2022 00:06

Instrument :

MSVOA_V

ClientSampleId :

H0AC4

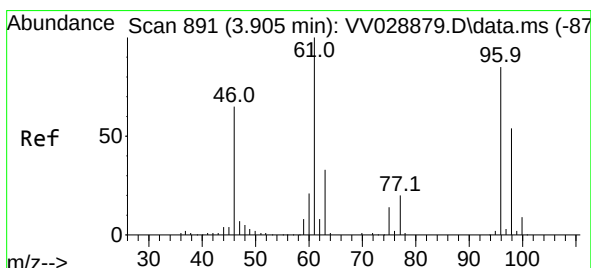
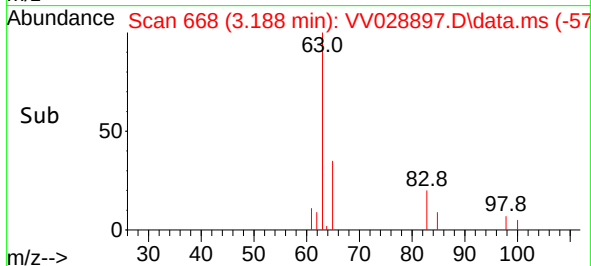
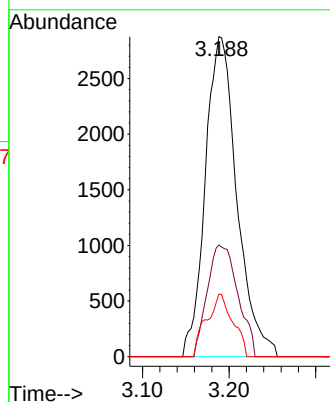
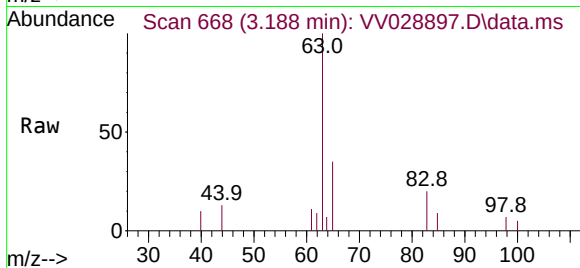
Tgt Ion: 63 Resp: 7291

Ion Ratio Lower Upper

63 100

65 32.6 23.0 42.6

83 18.3 9.4 17.6#



#22

cis-1,2-Dichloroethene

Concen: 1.349 ug/L

RT: 3.908 min Scan# 892

Delta R.T. 0.003 min

Lab File: VV028897.D

Acq: 12 Nov 2022 00:06

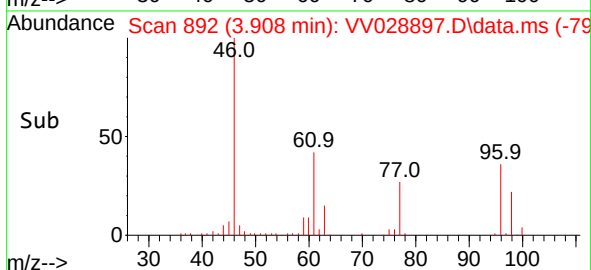
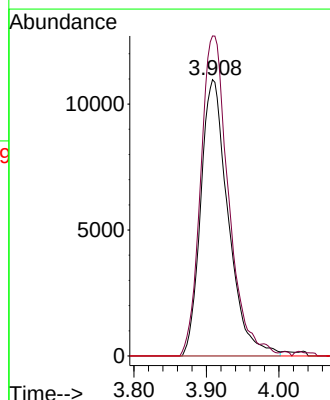
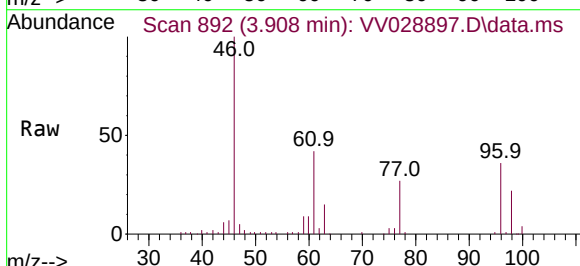
Tgt Ion: 96 Resp: 28909

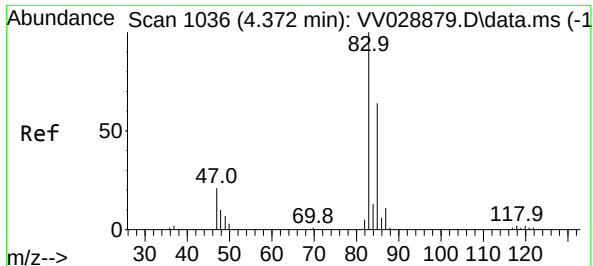
Ion Ratio Lower Upper

96 100

61 115.8 82.3 152.9

68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.424 ug/L

RT: 4.371 min Scan# 1108

Delta R.T. -0.000 min

Lab File: VV028897.D

Acq: 12 Nov 2022 00:06

Instrument :

MSVOA_V

ClientSampleId :

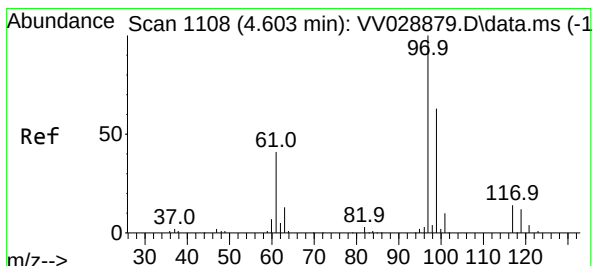
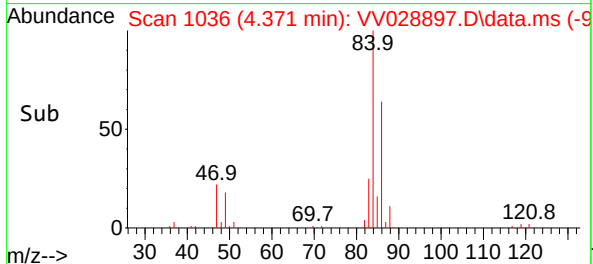
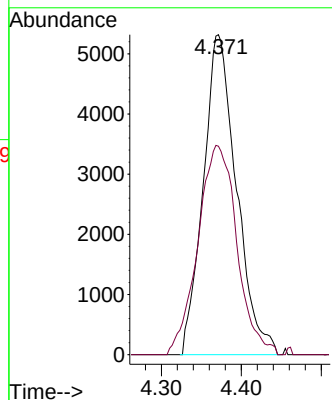
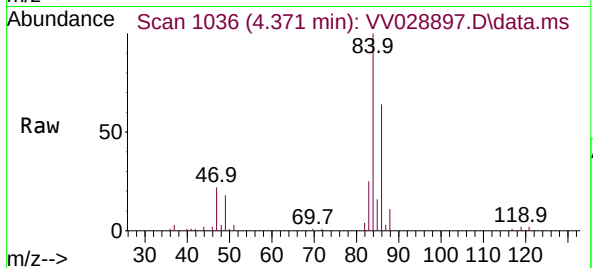
H0AC4

Tgt Ion: 83 Resp: 15329

Ion Ratio Lower Upper

83 100

85 65.2 43.7 81.1



#29

1,1,1-Trichloroethane

Concen: 0.082 ug/L

RT: 4.603 min Scan# 1108

Delta R.T. -0.000 min

Lab File: VV028897.D

Acq: 12 Nov 2022 00:06

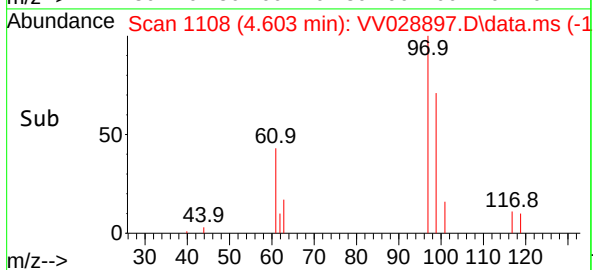
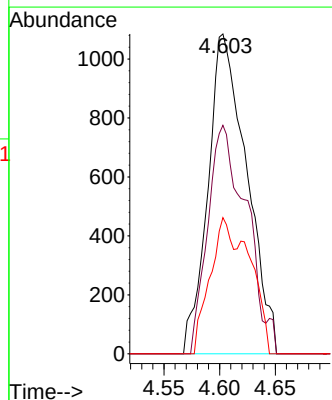
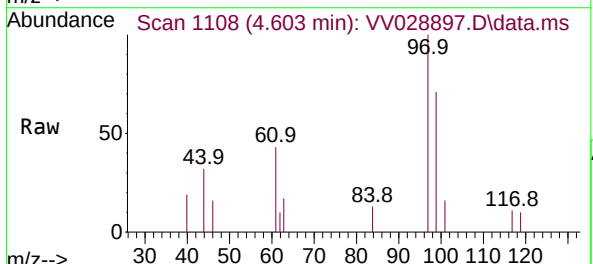
Tgt Ion: 97 Resp: 2626

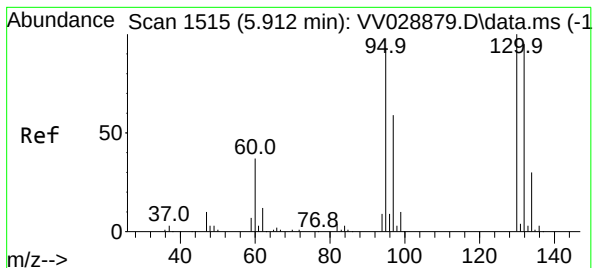
Ion Ratio Lower Upper

97 100

99 71.4 52.7 79.1

61 24.8 33.8 50.6#





#34

Trichloroethene

Concen: 17.595 ug/L

RT: 5.908 min Scan# 1

Delta R.T. -0.003 min

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Instrument :

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Tgt Ion: 95 Resp: 377148

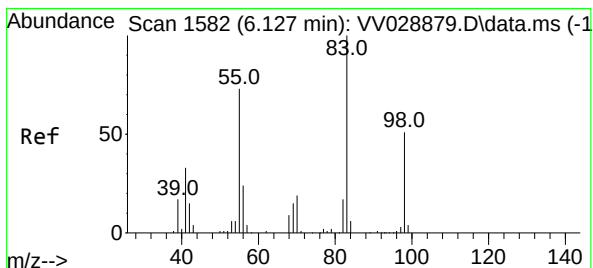
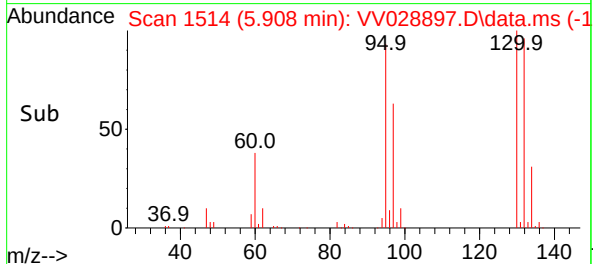
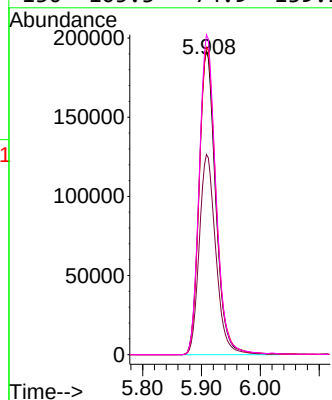
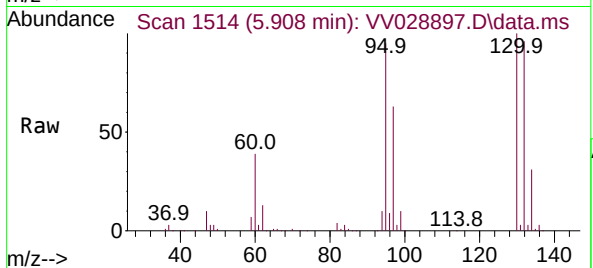
Ion Ratio Lower Upper

95 100

97 65.9 45.6 84.8

132 101.2 69.1 128.3

130 105.3 74.9 139.1



#35

Methylcyclohexane

Concen: 0.758 ug/L

RT: 6.066 min Scan# 1563

Delta R.T. -0.061 min

Lab File: VV028897.D

Acq: 12 Nov 2022 00:06

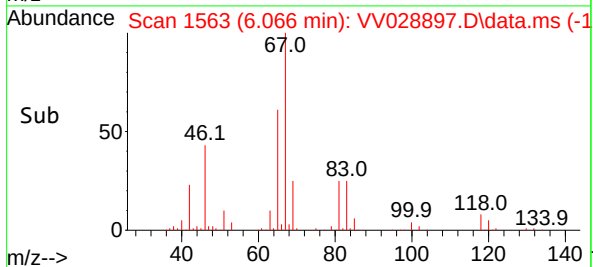
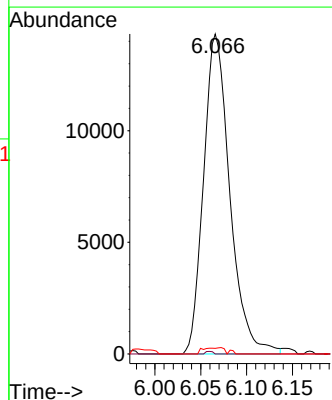
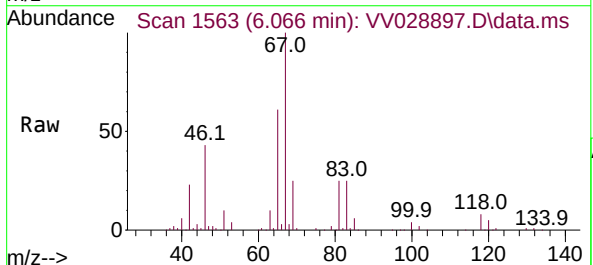
Tgt Ion: 83 Resp: 28561

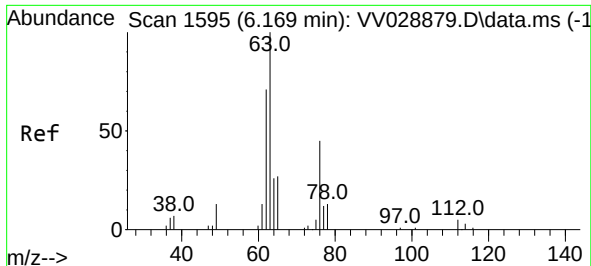
Ion Ratio Lower Upper

83 100

55 0.2 55.8 83.6#

98 1.5 38.2 57.2#





#37

1,2-Dichloropropane

Concen: 0.614 ug/L

RT: 6.066 min Scan# 11

Delta R.T. -0.103 min

Lab File: VV028897.D

Acq: 12 Nov 2022 00:06

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ClientSampleId :

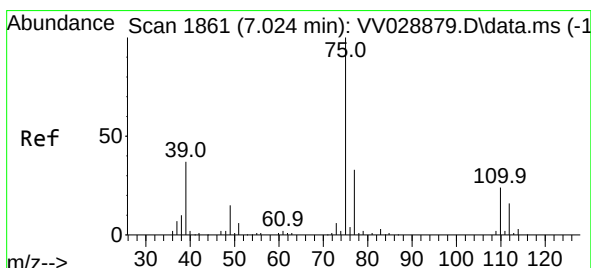
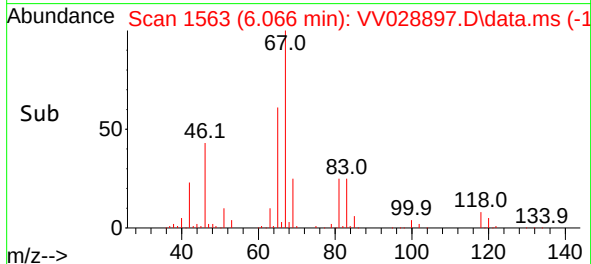
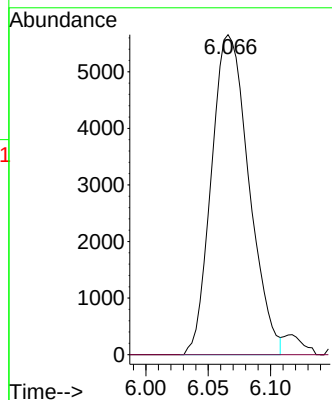
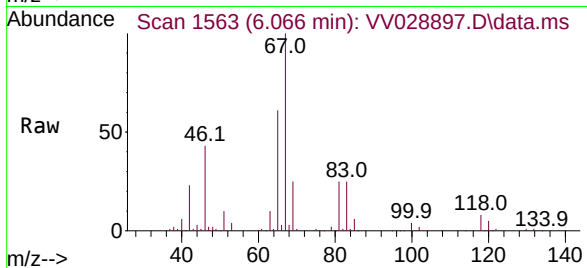
H0AC4

Tgt Ion: 63 Resp: 11855

Ion Ratio Lower Upper

63 100

112 0.0 4.0 6.0#



#39

cis-1,3-Dichloropropene

Concen: 0.085 ug/L

RT: 6.985 min Scan# 1849

Delta R.T. -0.039 min

Lab File: VV028897.D

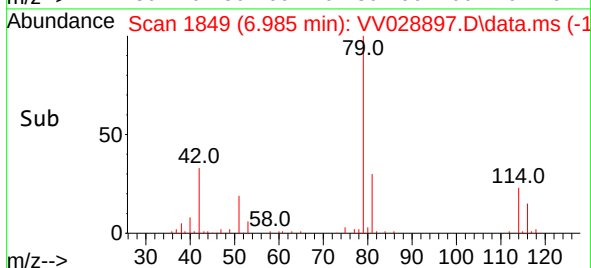
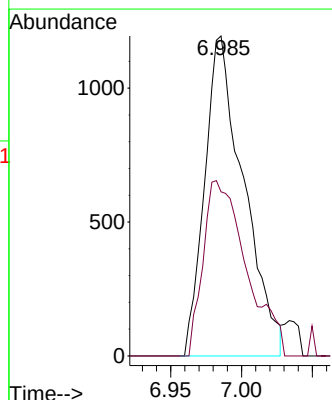
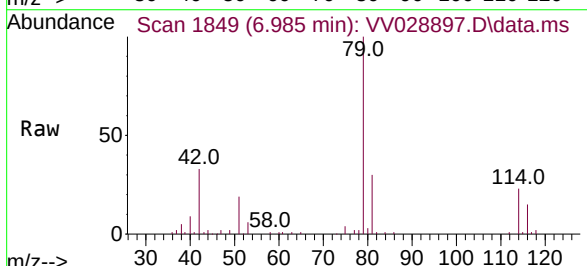
Acq: 12 Nov 2022 00:06

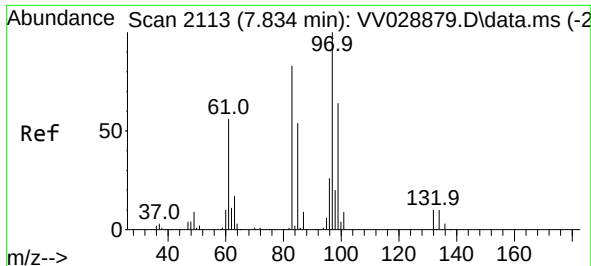
Tgt Ion: 75 Resp: 2283

Ion Ratio Lower Upper

75 100

77 51.3 21.8 40.6#





#45

1,1,2-Trichloroethane

Concen: 0.551 ug/L

RT: 7.966 min Scan# 2113

Delta R.T. 0.132 min

Lab File: VV028897.D

Acq: 12 Nov 2022 00:06

Instrument :

MSVOA_V

ClientSampleId :

H0AC4

Tgt Ion: 97 Resp: 6968

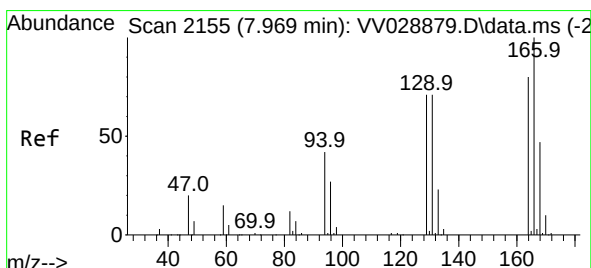
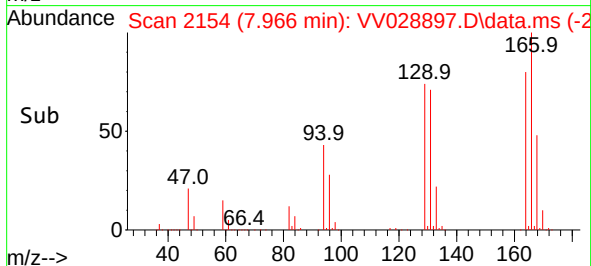
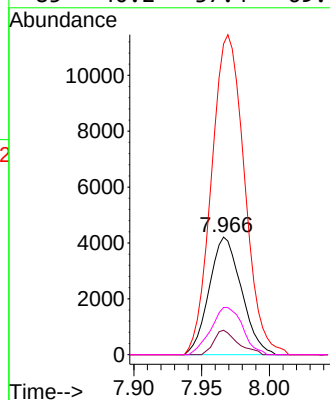
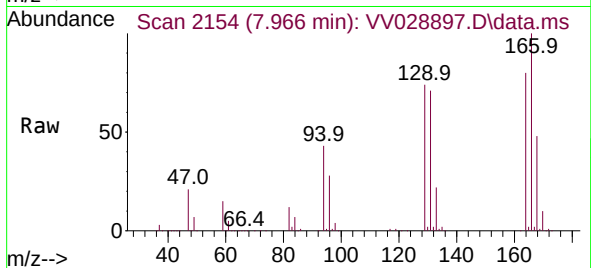
Ion Ratio Lower Upper

97 100

99 20.9 41.5 77.1#

83 264.3 60.0 111.4#

85 40.2 37.4 69.4



#47

Tetrachloroethene

Concen: 50.414 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. -0.000 min

Lab File: VV028897.D

Acq: 12 Nov 2022 00:06

Tgt Ion:164 Resp: 865263

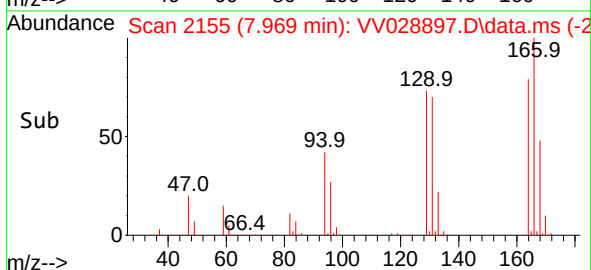
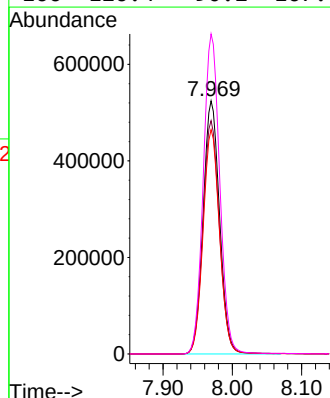
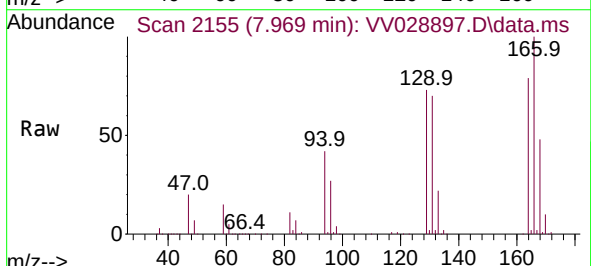
Ion Ratio Lower Upper

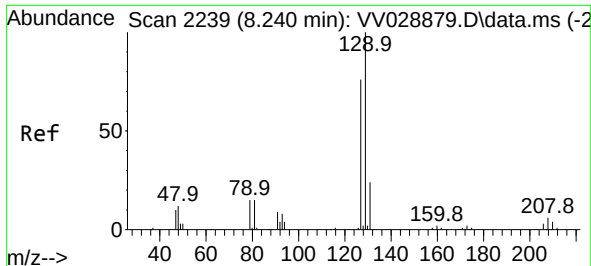
164 100

129 92.2 63.9 118.7

131 88.6 61.8 114.8

166 126.4 90.2 167.4





#49

Dibromochloromethane

Concen: 50.689 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. -0.270 min

Lab File: VV028897.D

Acq: 12 Nov 2022 00:06

Instrument :

MSVOA_V

ClientSampleId :

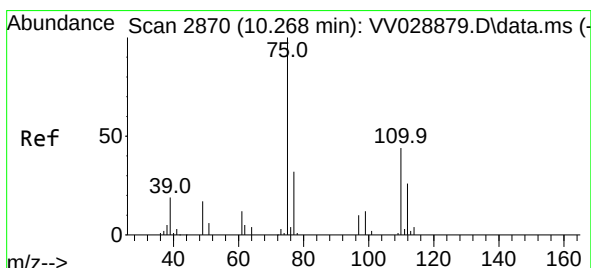
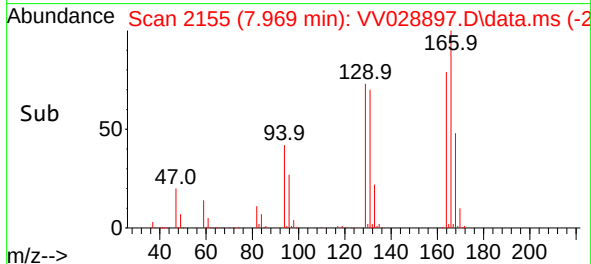
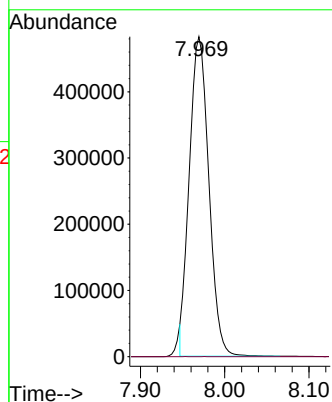
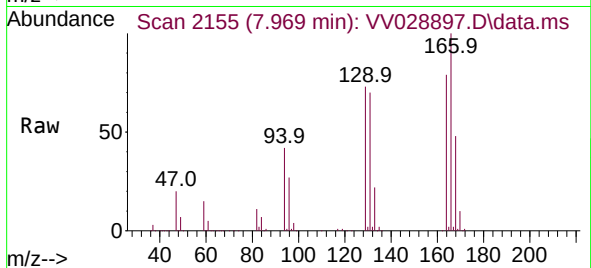
H0AC4

Tgt Ion:129 Resp: 774560

Ion Ratio Lower Upper

129 100

127 0.0 54.5 101.1#



#61

1,2,3-Trichloropropane

Concen: 1.597 ug/L

RT: 11.243 min Scan# 3173

Delta R.T. 0.974 min

Lab File: VV028897.D

Acq: 12 Nov 2022 00:06

Tgt Ion: 75 Resp: 14165

Ion Ratio Lower Upper

75 100

77 33.8 26.2 39.2

110 2.2 32.6 48.8#

