

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110819\
 Data File : VY000609.D
 Acq On : 08 Nov 2019 12:14
 Operator : SY/MD
 Sample : K5722-08
 Misc : 6.03G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 6-A

Quant Time: Nov 11 04:43:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	233240	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	413882	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	360448	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	145949	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	138461	57.36	ug/l	0.00
Spiked Amount			Recovery	=	114.72%	
35) Dibromofluoromethane	7.74	113	123141	50.68	ug/l	0.00
Spiked Amount			Recovery	=	101.36%	
50) Toluene-d8	10.19	98	488967	53.04	ug/l	0.00
Spiked Amount			Recovery	=	106.08%	
62) 4-Bromofluorobenzene	12.48	95	157029	44.74	ug/l	0.00
Spiked Amount			Recovery	=	89.48%	

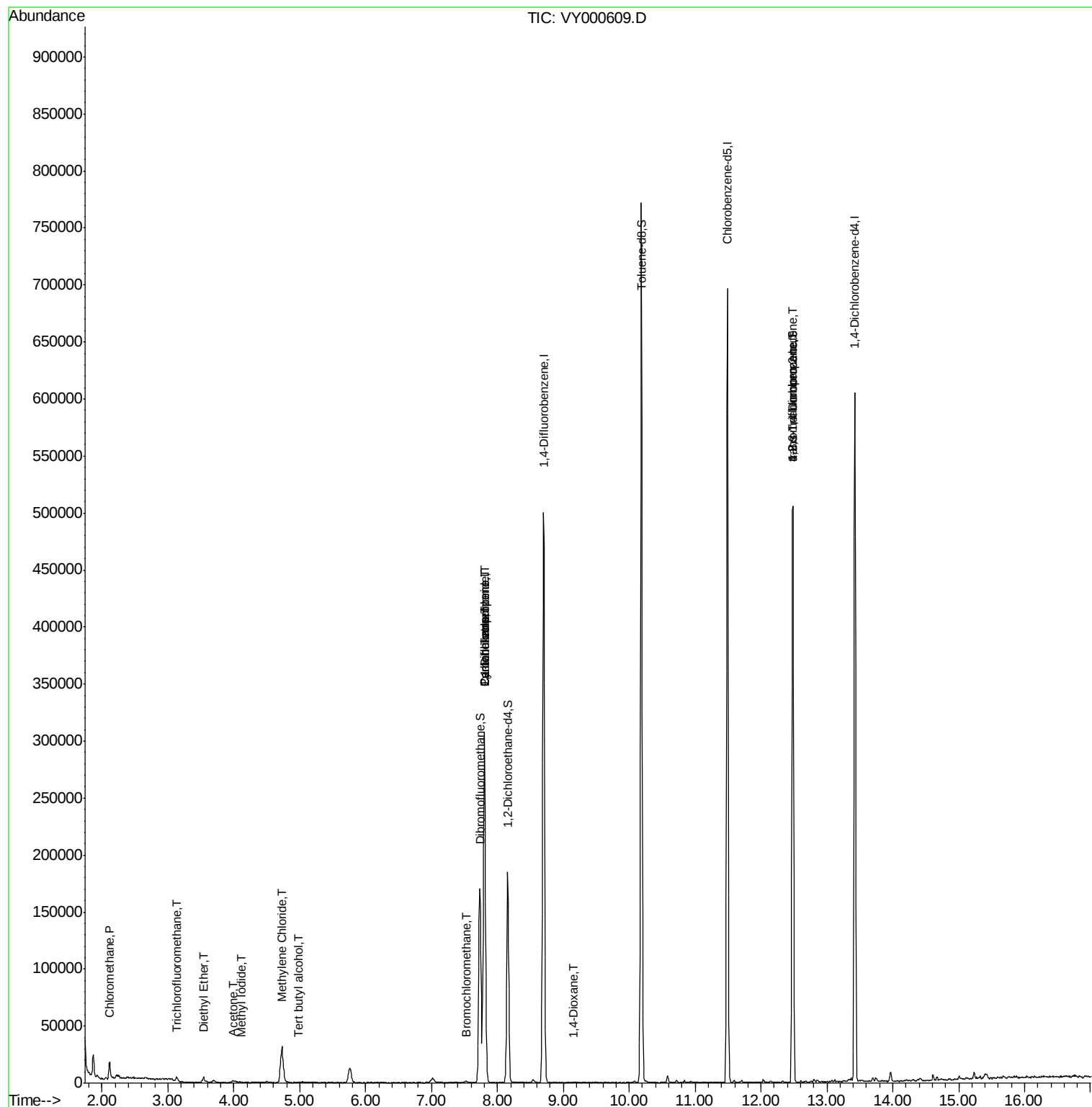
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.11	50	11980	3.788	ug/l	97
7) Trichlorofluoromethane	3.13	101	4124	1.040	ug/l	96
8) Diethyl Ether	3.54	74	2417	1.715	ug/l	85
10) Methyl Iodide	4.11	142	828	3.445	ug/l #	80
11) Tert butyl alcohol	4.99	59	298	1.268	ug/l #	72
16) Acetone	3.99	43	2091	3.143	ug/l	100
20) Methylene Chloride	4.73	84	21093	7.400	ug/l	94
28) Bromochloromethane	7.53	49	24	4.103	ug/l #	14
31) Cyclohexane	7.80	56	5934	1.270	ug/l #	50
36) 1,1-Dichloropropene	7.80	75	19862	5.076	ug/l #	51
38) Carbon Tetrachloride	7.81	117	22967	6.100	ug/l #	15
49) 1,4-Dioxane	9.15	88	21	1.005	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	83653	50.338	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	83653	112.864	ug/l #	13

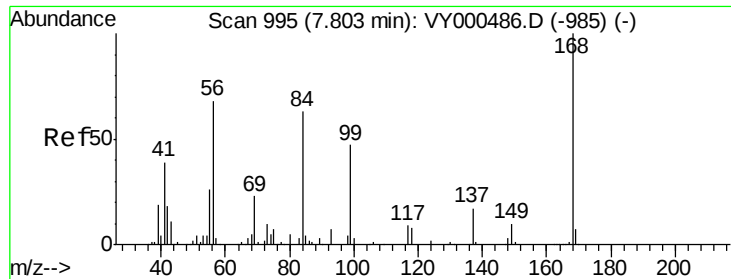
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000609.D

Acq: 08 Nov 2019 12:14

Instrument :

MSVOA_Y

ClientSampleId :

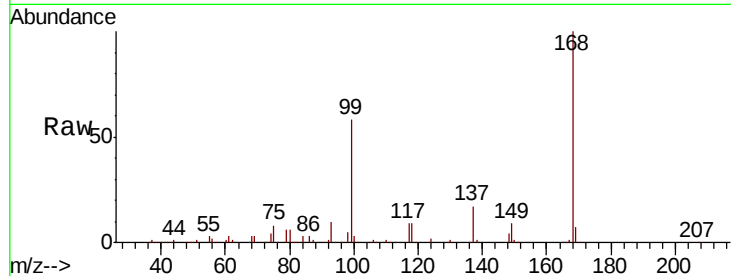
6-A

Tot Ion:168 Resp: 233240

Ion Ratio Lower Upper

168 100

99 58.5 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VY000486.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY000486.D (-985) (-)

7.80

100000

80000

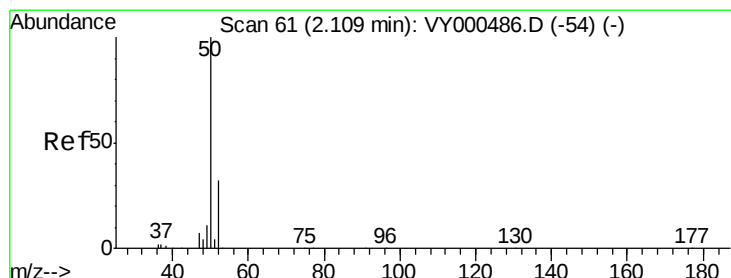
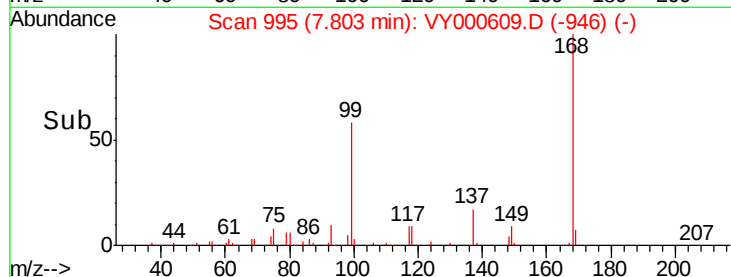
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 3.788 ug/l

RT: 2.11 min Scan# 61

Delta R.T. -0.00 min

Lab File: VY000609.D

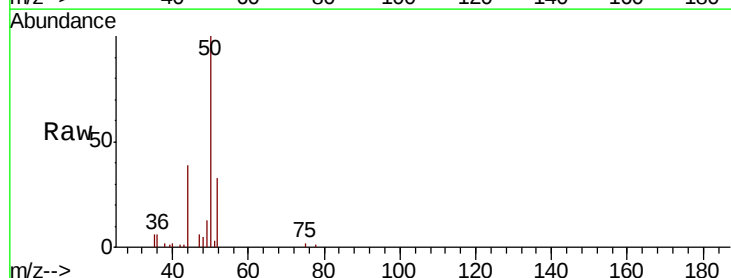
Acq: 08 Nov 2019 12:14

Tgt Ion: 50 Resp: 11980

Ion Ratio Lower Upper

50 100

52 33.1 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VY000486.D (-54) (-)

Ion 51.90 (51.60 to 52.60): VY000486.D (-54) (-)

2.11

8000

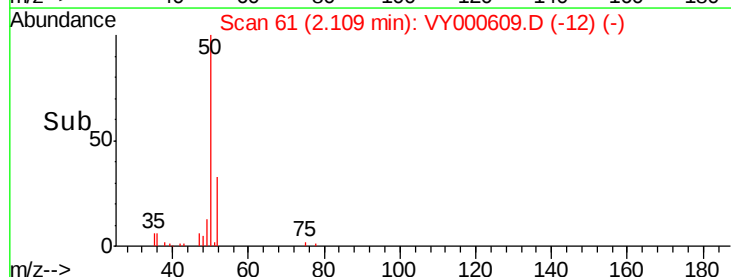
6000

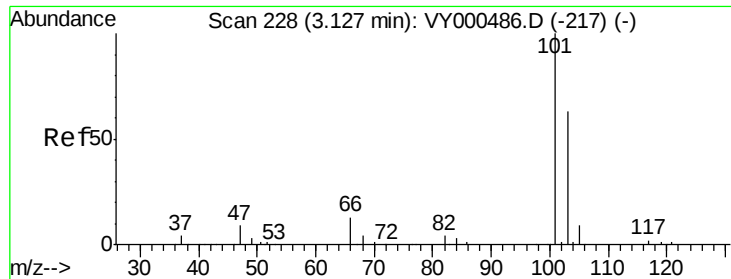
4000

2000

0

Time-->



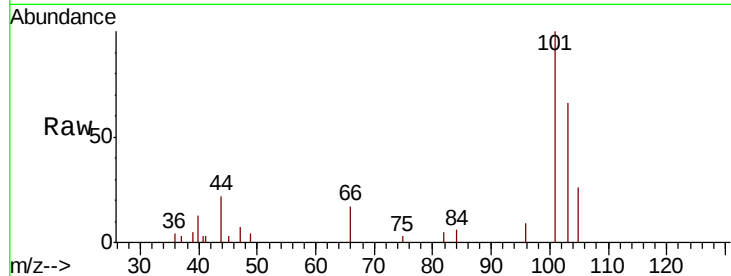


#7

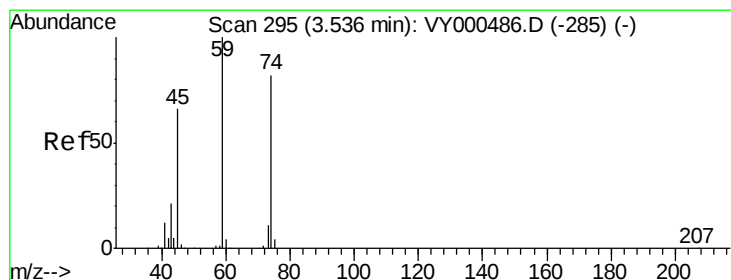
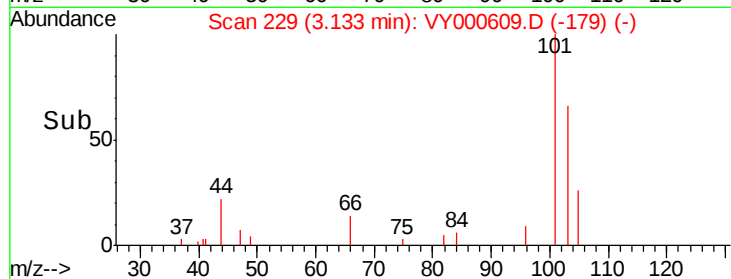
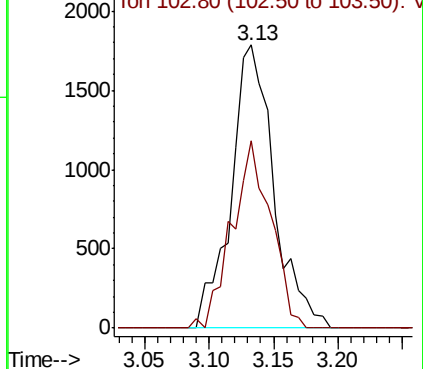
Trichlorofluoromethane
Concen: 1.040 ug/l
RT: 3.13 min Scan# 229
Delta R.T. 0.01 min
Lab File: VY000609.D
Acq: 08 Nov 2019 12:14

Instrument :
MSVOA_Y
ClientSampled :
6-A

Tot Ion:101 Resp: 4124
Ion Ratio Lower Upper
101 100
103 66.3 50.5 75.7



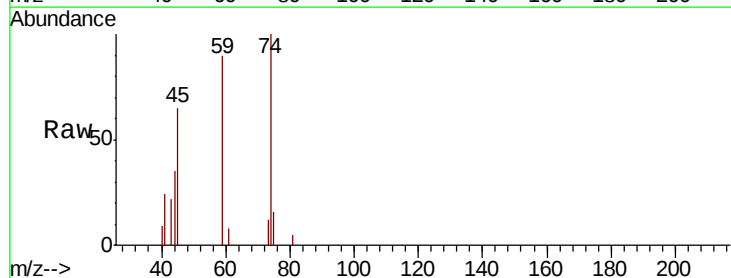
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



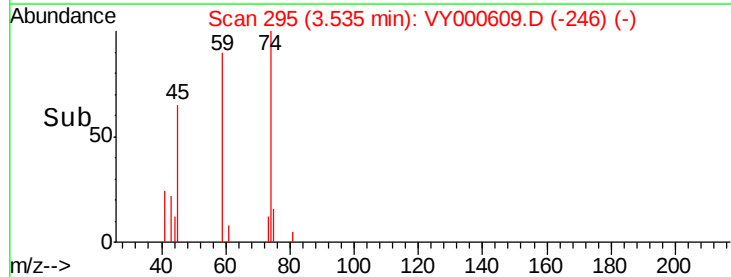
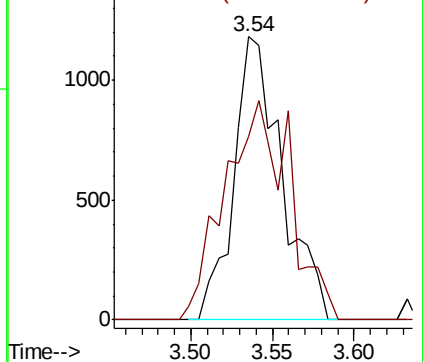
#8

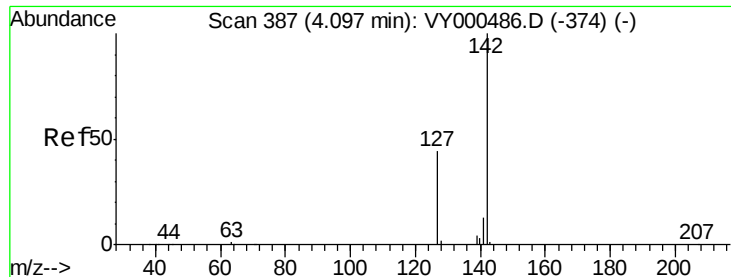
Diethyl Ether
Concen: 1.715 ug/l
RT: 3.54 min Scan# 295
Delta R.T. -0.00 min
Lab File: VY000609.D
Acq: 08 Nov 2019 12:14

Tgt Ion: 74 Resp: 2417
Ion Ratio Lower Upper
74 100
45 105.3 45.5 136.4



Abundance Ion 74.00 (73.70 to 74.70): VY0
Ion 45.00 (44.70 to 45.70): VY0





#10

Methyl Iodide

Concen: 3.445 ug/l

RT: 4.11 min Scan# 390

Delta R.T. 0.02 min

Lab File: VY000609.D

Acq: 08 Nov 2019 12:14

Instrument :

MSVOA_Y

ClientSampled :

6-A

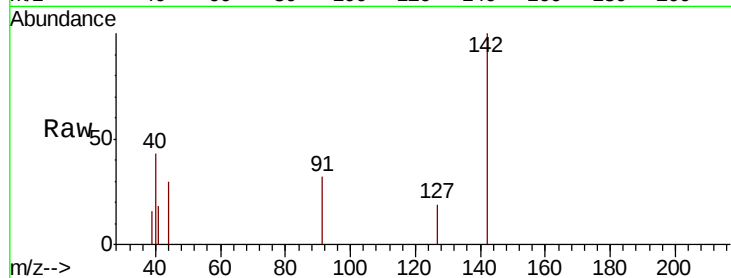
Tot Ion:142 Resp: 828

Ion Ratio Lower Upper

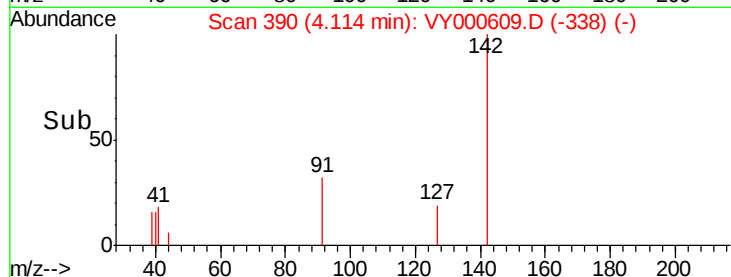
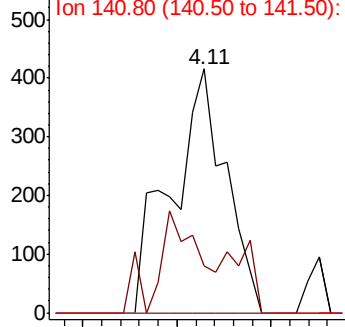
142 100

127 32.4 33.7 50.5#

141 0.0 10.9 16.3#



Abundance Ion 141.80 (141.50 to 142.50): V



#11

Tert butyl alcohol

Concen: 1.268 ug/l

RT: 4.99 min Scan# 533

Delta R.T. 0.02 min

Lab File: VY000609.D

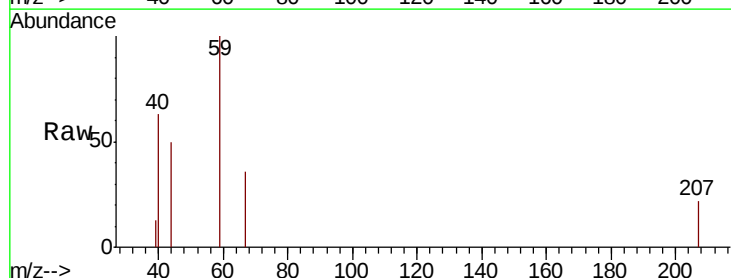
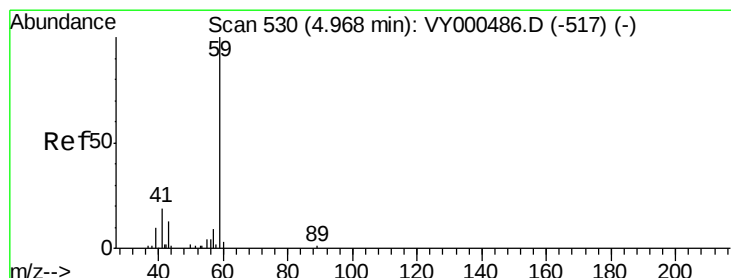
Acq: 08 Nov 2019 12:14

Tgt Ion: 59 Resp: 298

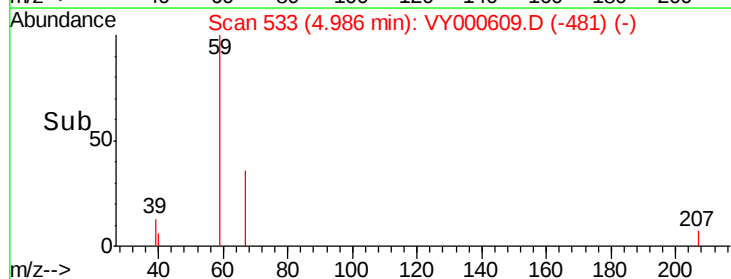
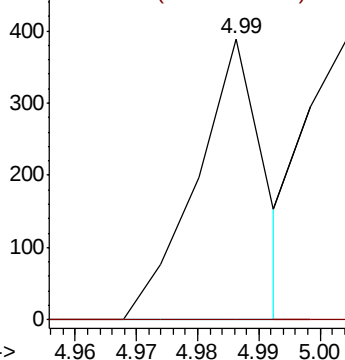
Ion Ratio Lower Upper

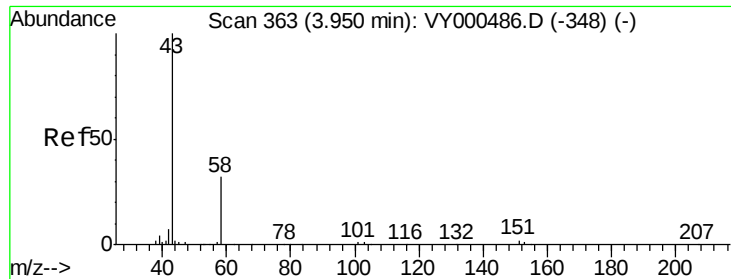
59 100

57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VY0





#16

Acetone

Concen: 3.143 ug/l

RT: 3.99 min Scan# 369

Delta R.T. 0.04 min

Lab File: VY000609.D

Acq: 08 Nov 2019 12:14

Instrument :

MSVOA_Y

ClientSampleId :

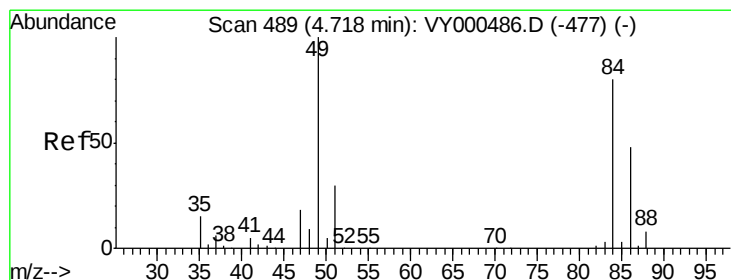
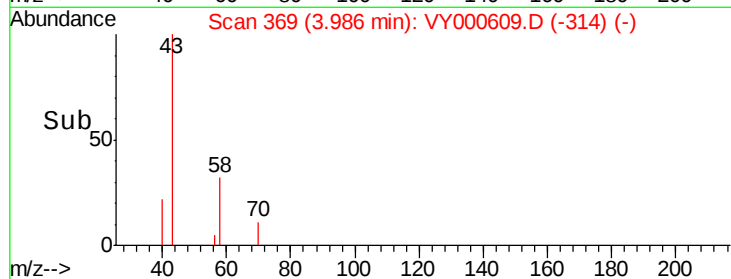
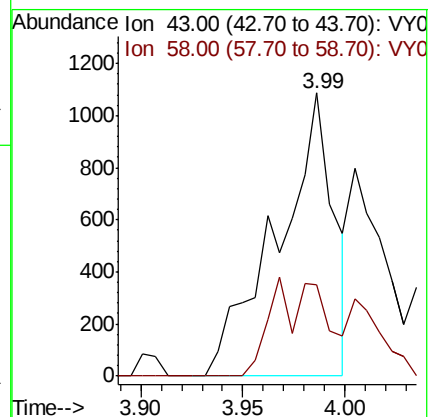
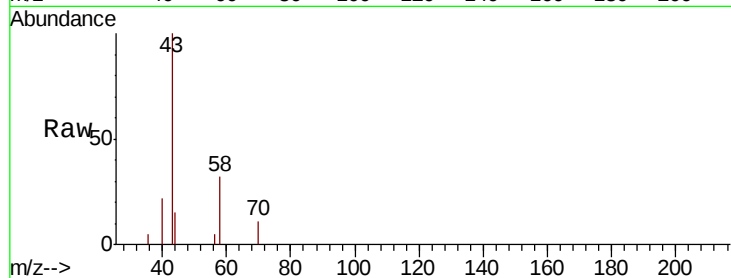
6-A

Tot Ion: 43 Resp: 2091

Ion Ratio Lower Upper

43 100

58 32.2 25.8 38.6



#20

Methylene Chloride

Concen: 7.400 ug/l

RT: 4.73 min Scan# 491

Delta R.T. 0.01 min

Lab File: VY000609.D

Acq: 08 Nov 2019 12:14

Tgt Ion: 84 Resp: 21093

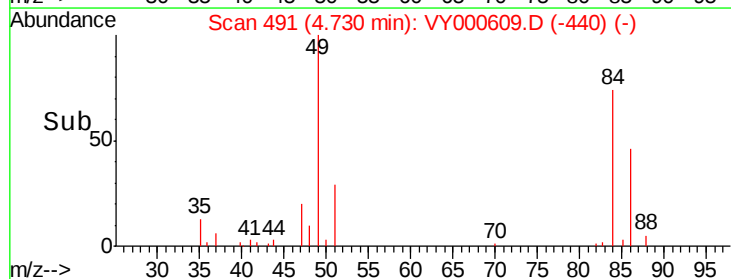
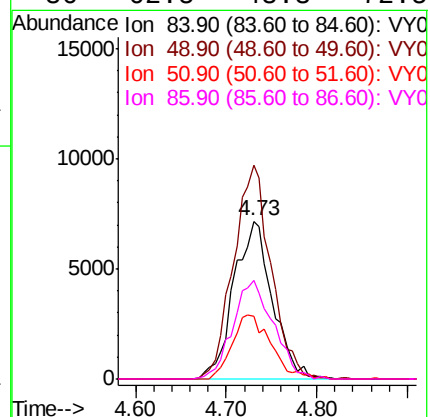
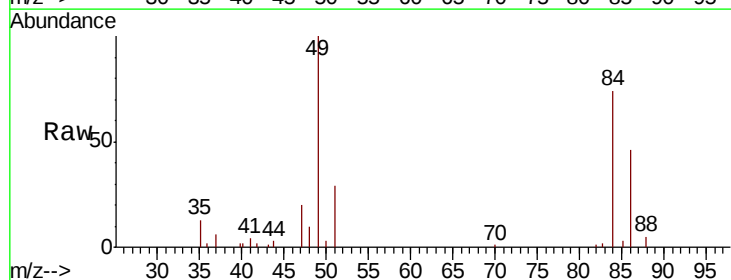
Ion Ratio Lower Upper

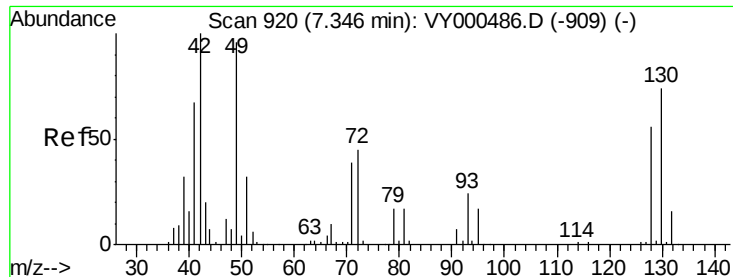
84 100

49 135.2 100.2 150.4

51 39.7 29.6 44.4

86 62.5 48.3 72.5





#28

Bromochloromethane

Concen: 4.103 ug/l

RT: 7.53 min Scan# 950

Delta R.T. 0.18 min

Lab File: VY000609.D

Acq: 08 Nov 2019 12:14

Instrument :
MSVOA_Y
ClientSampleId :
6-A

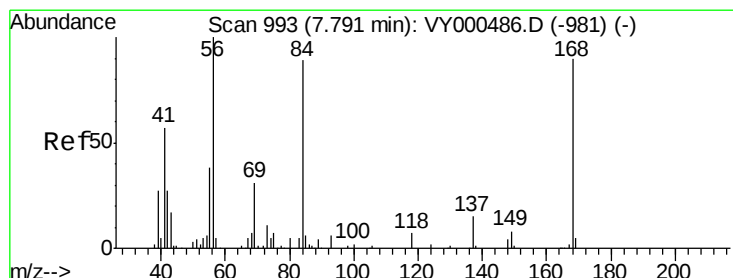
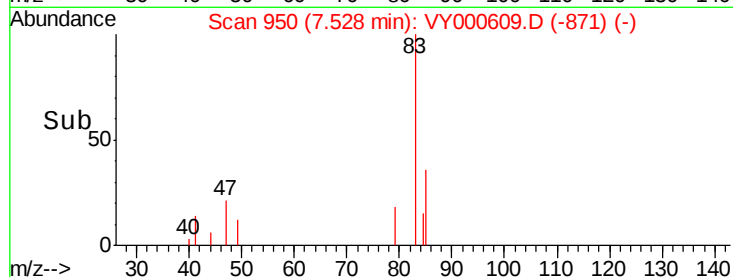
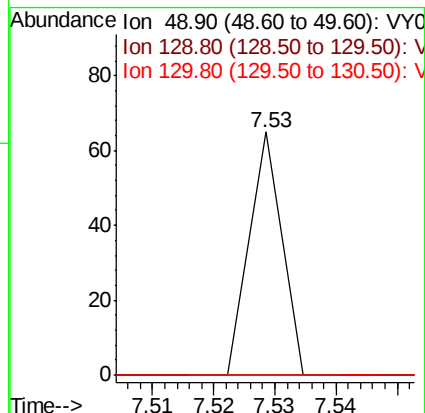
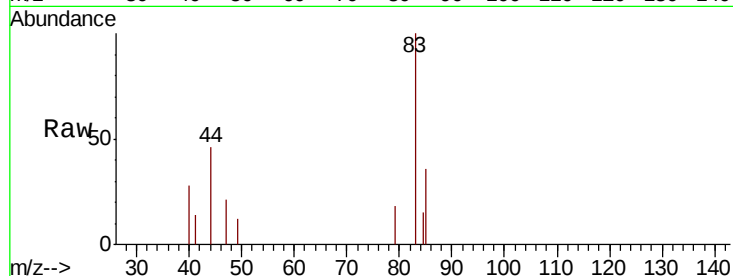
Tot Ion: 49 Resp: 24

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

130 0.0 59.4 89.0#



#31

Cyclohexane

Concen: 1.270 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY000609.D

Acq: 08 Nov 2019 12:14

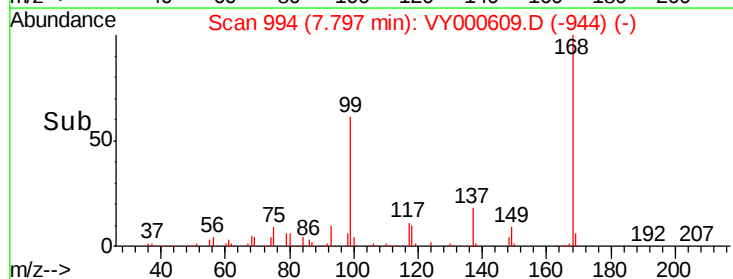
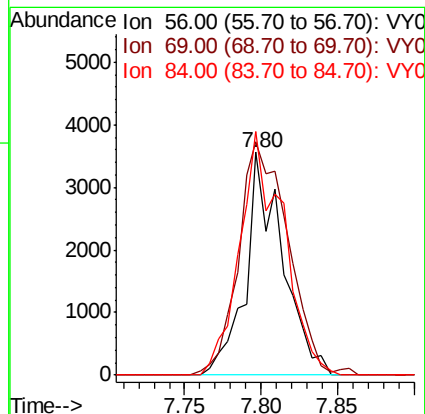
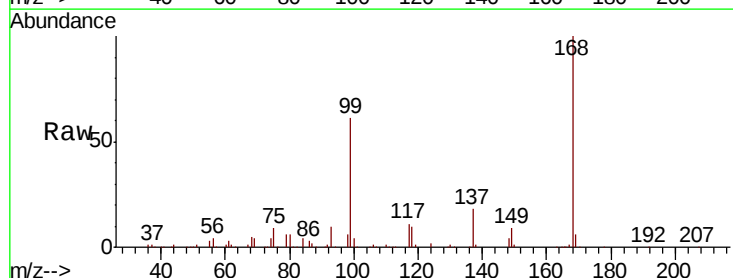
Tgt Ion: 56 Resp: 5934

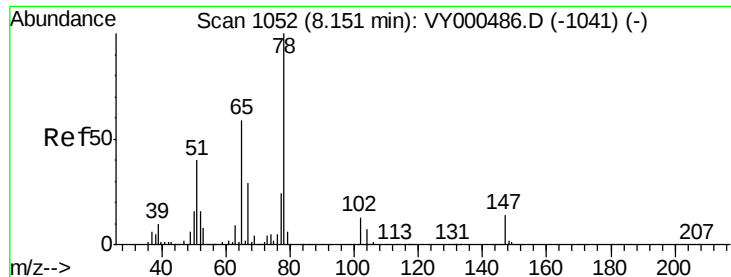
Ion Ratio Lower Upper

56 100

69 104.7 25.0 37.6#

84 109.4 71.4 107.2#

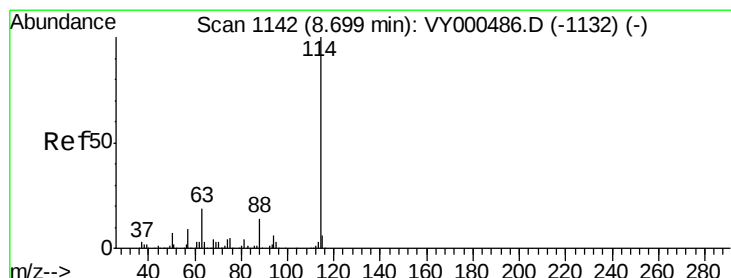
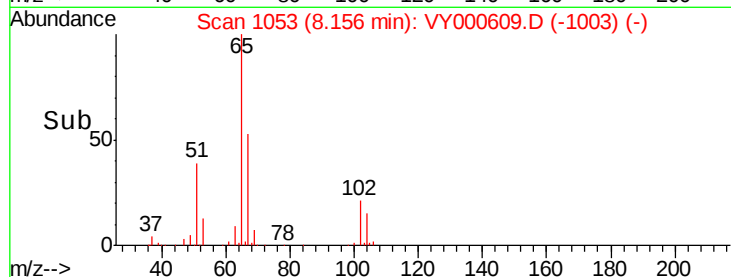
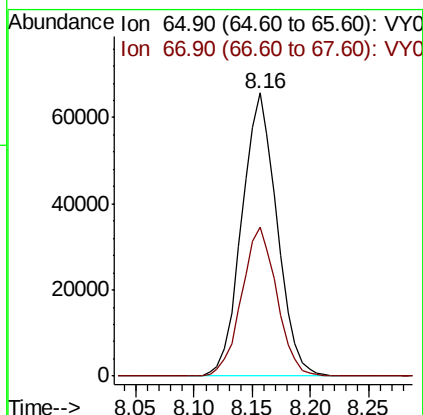
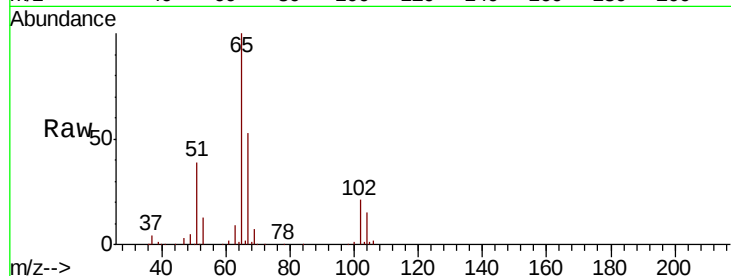




#33
 1,2-Dichloroethane-d4
 Concen: 57.364 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. 0.01 min
 Lab File: VY000609.D
 Acq: 08 Nov 2019 12:14

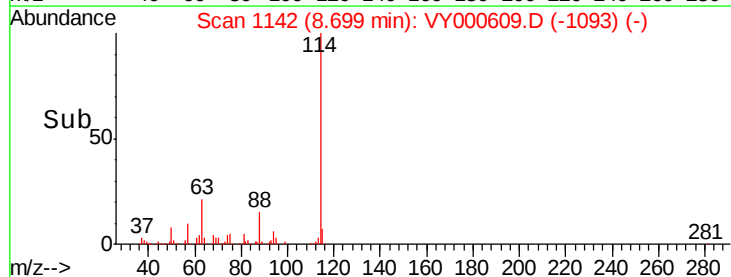
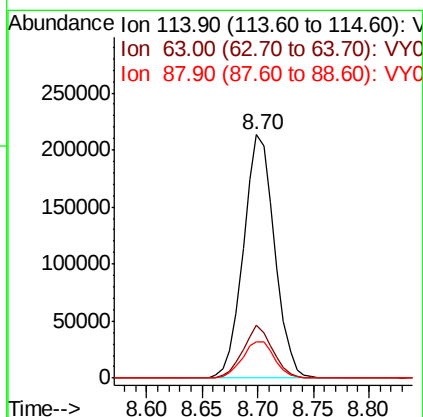
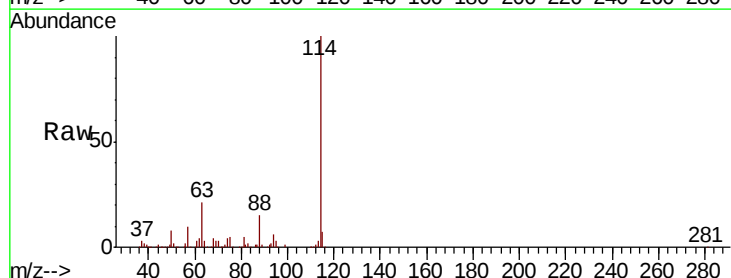
Instrument :
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 6-A

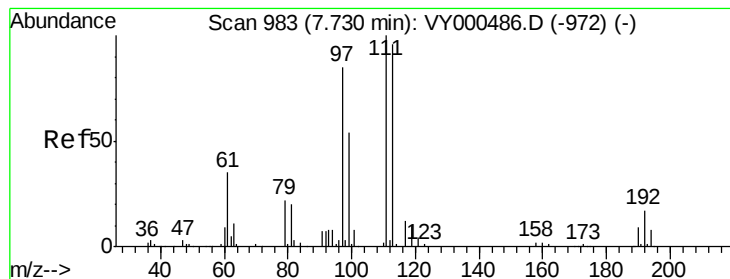
Tot Ion: 65 Resp: 138461
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VY000609.D
 Acq: 08 Nov 2019 12:14

Tgt Ion: 114 Resp: 413882
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 38.0
 88 14.9 0.0 28.6





#35

Dibromofluoromethane

Concen: 50.680 ug/l

RT: 7.74 min Scan# 984

Delta R.T. 0.01 min

Lab File: VY000609.D

Acq: 08 Nov 2019 12:14

Instrument :

MSVOA_Y

ClientSampleId :

6-A

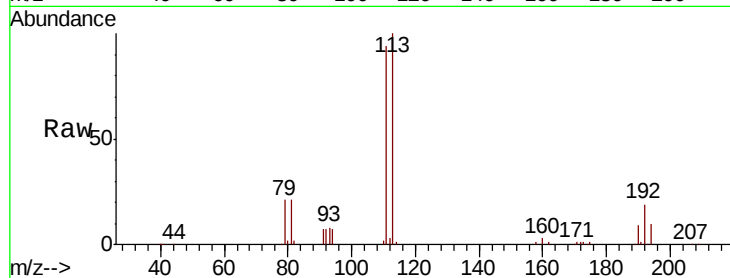
Tot Ion:113 Resp: 123141

Ion Ratio Lower Upper

113 100

111 101.9 81.7 122.5

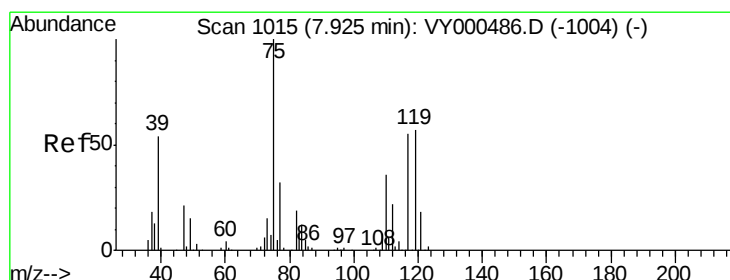
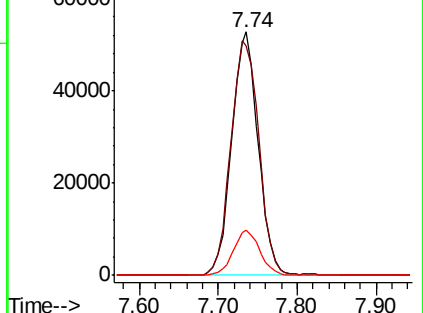
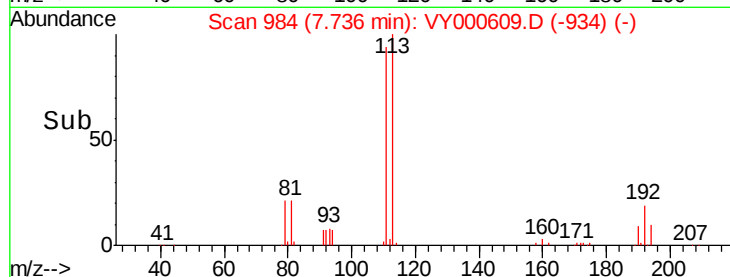
192 18.5 15.0 22.4



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: 5.076 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY000609.D

Acq: 08 Nov 2019 12:14

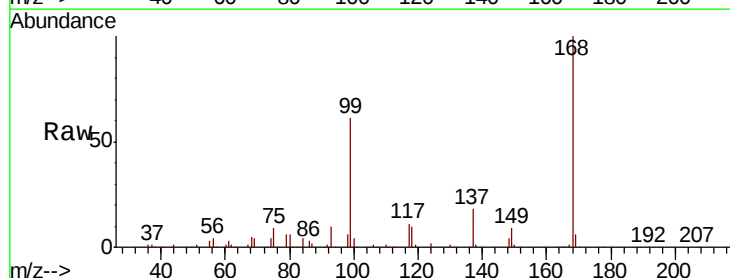
Tgt Ion: 75 Resp: 19862

Ion Ratio Lower Upper

75 100

110 10.8 18.1 54.1#

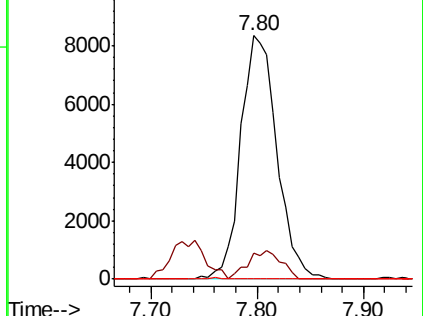
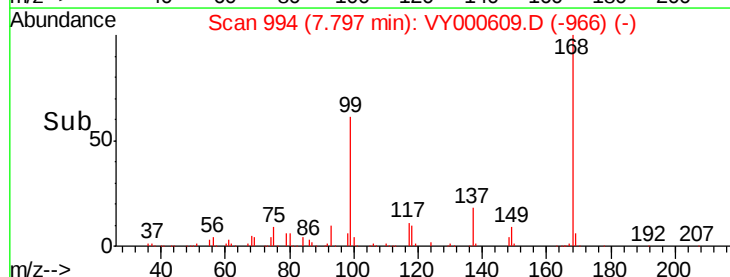
77 0.0 25.0 37.6#

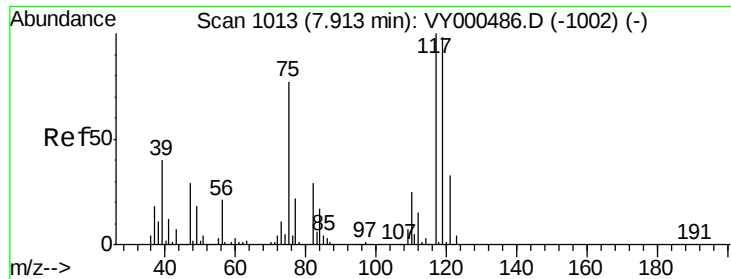


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 6.100 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.10 min

Lab File: VY000609.D

Acq: 08 Nov 2019 12:14

Instrument :

MSVOA_Y

ClientSampleId :

6-A

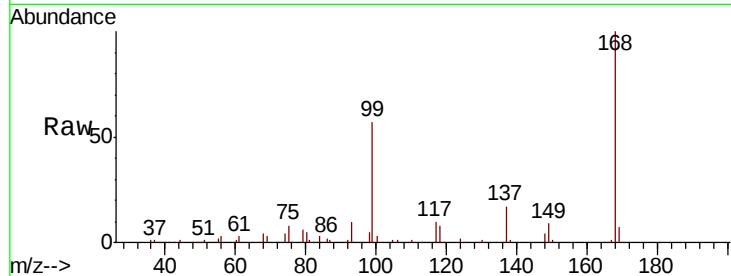
Tot Ion:117 Resp: 22967

Ion Ratio Lower Upper

117 100

119 4.8 78.0 117.0#

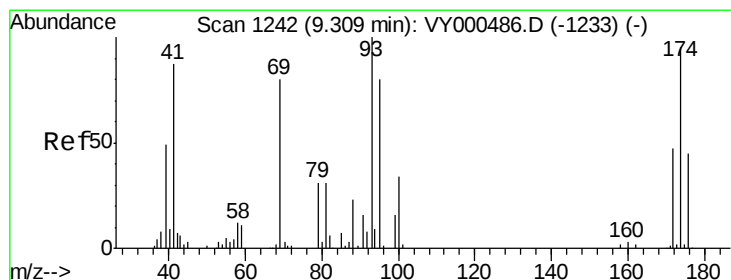
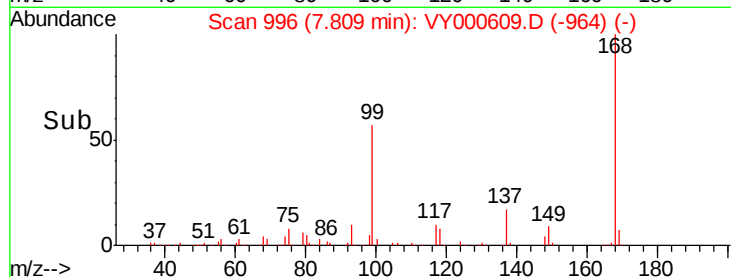
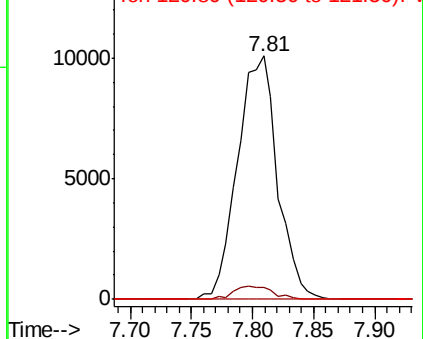
121 0.0 26.6 40.0#



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: 1.005 ug/l

RT: 9.15 min Scan# 1216

Delta R.T. -0.16 min

Lab File: VY000609.D

Acq: 08 Nov 2019 12:14

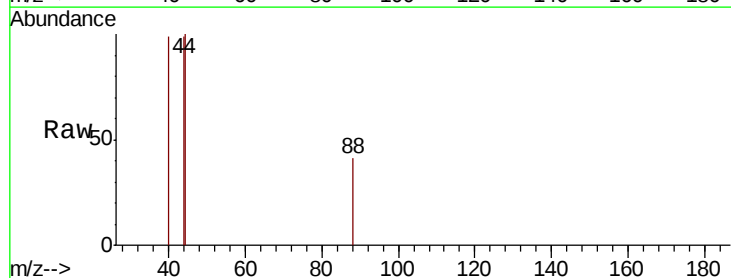
Tgt Ion: 88 Resp: 21

Ion Ratio Lower Upper

88 100

43 319.0 25.1 37.7#

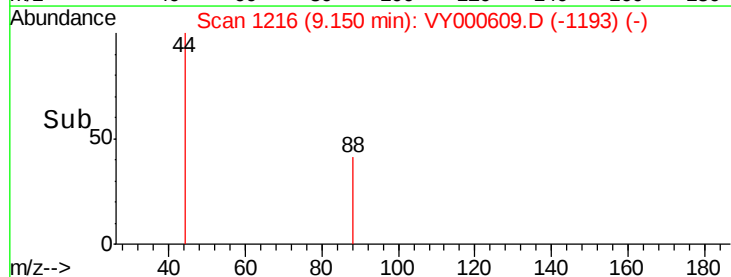
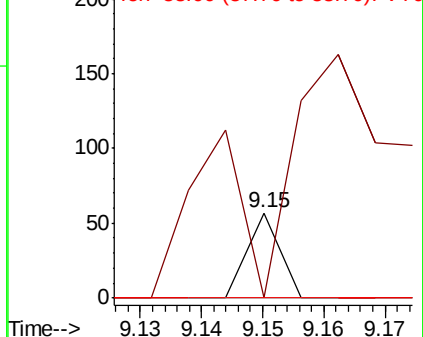
58 0.0 50.6 75.8#

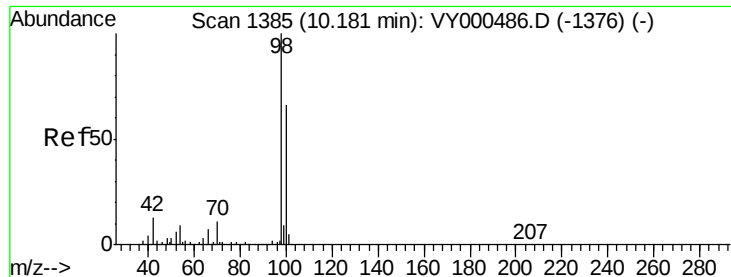


Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

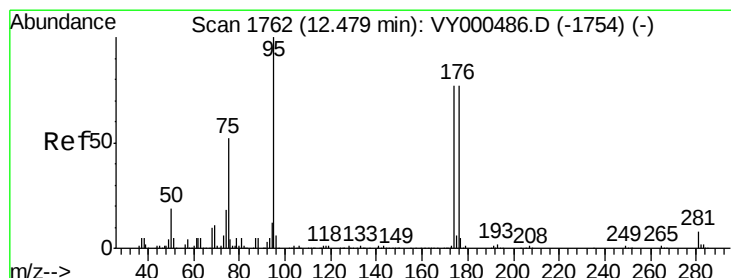
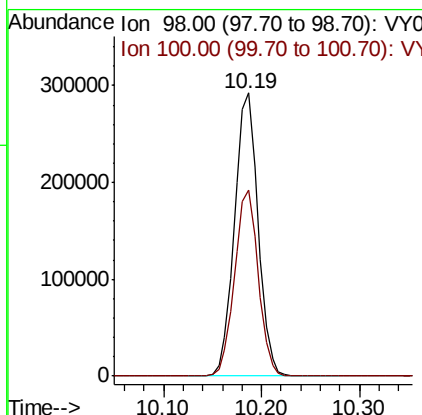
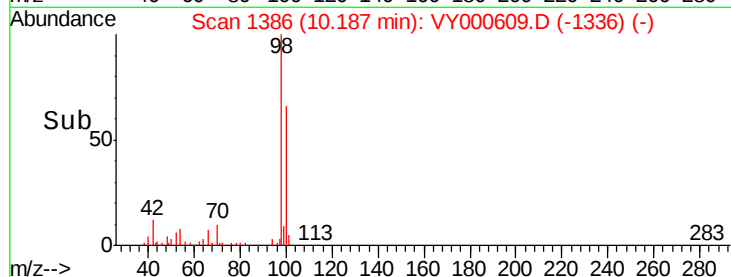
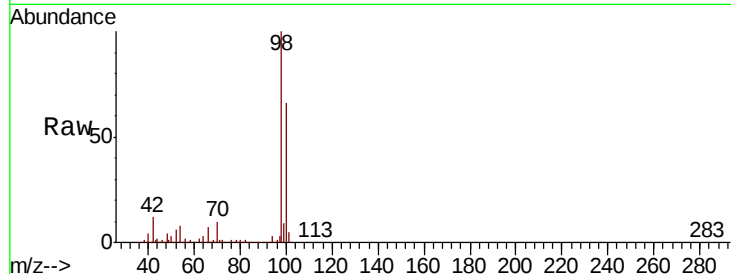




#50
Toluene-d8
Concen: 53.035 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. 0.01 min
Lab File: VY000609.D
Acq: 08 Nov 2019 12:14

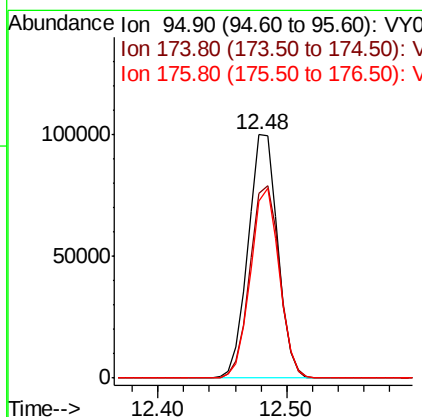
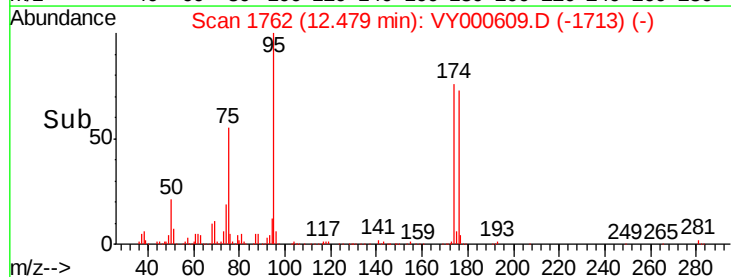
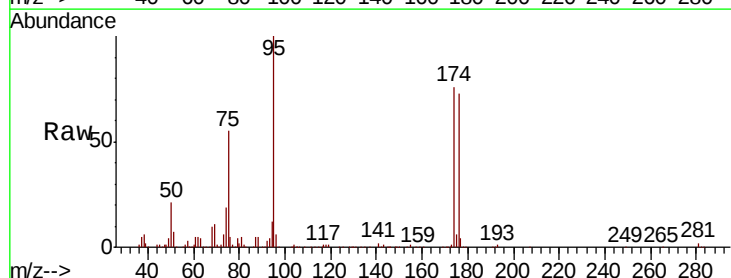
Instrument :
MSVOA_Y
ClientSampleId :
6-A

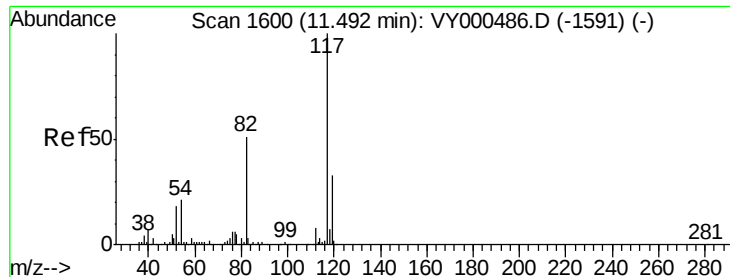
Tot Ion: 98 Resp: 488967
Ion Ratio Lower Upper
98 100
100 66.1 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 44.739 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY000609.D
Acq: 08 Nov 2019 12:14

Tgt Ion: 95 Resp: 157029
Ion Ratio Lower Upper
95 100
174 79.7 0.0 161.6
176 75.9 0.0 157.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VY000609.D

Acq: 08 Nov 2019 12:14

Instrument :

MSVOA_Y

ClientSampleId :

6-A

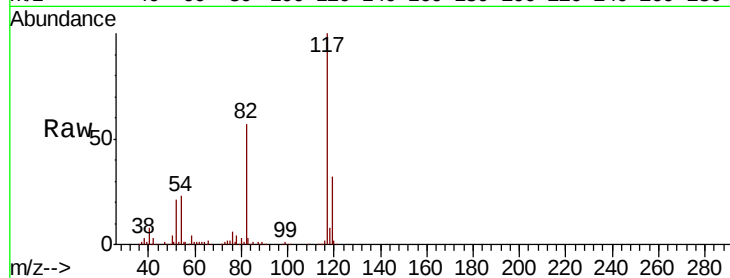
Tot Ion:117 Resp: 360448

Ion Ratio Lower Upper

117 100

82 57.5 40.8 61.2

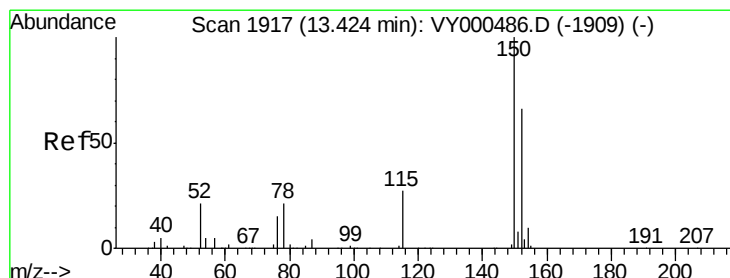
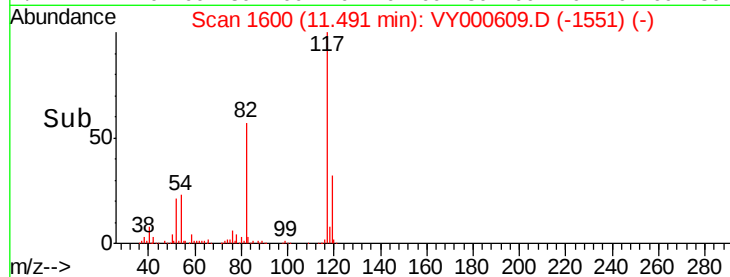
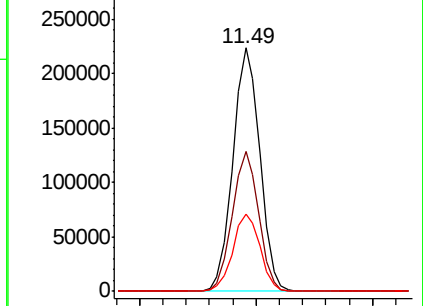
119 31.6 26.2 39.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VY0

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. 0.01 min

Lab File: VY000609.D

Acq: 08 Nov 2019 12:14

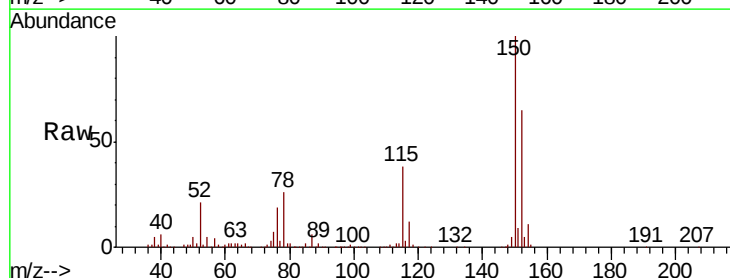
Tgt Ion:152 Resp: 145949

Ion Ratio Lower Upper

152 100

115 60.9 29.1 87.4

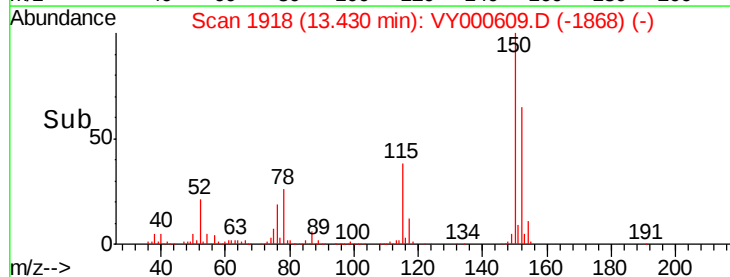
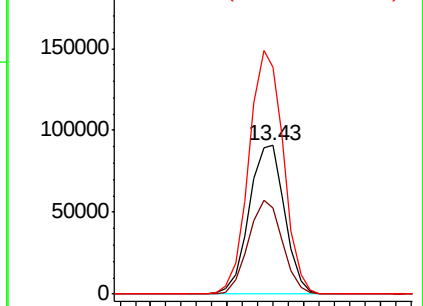
150 159.5 0.0 348.8

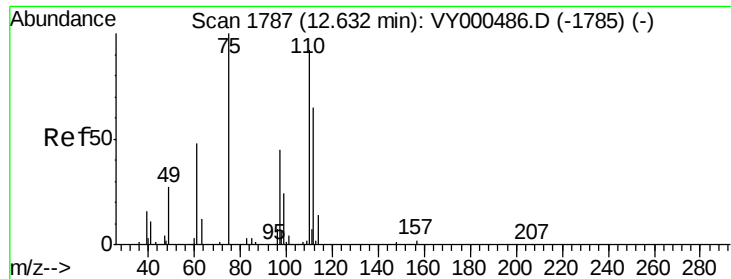


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 50.338 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000609.D

Acq: 08 Nov 2019 12:14

Instrument :

MSVOA_Y

ClientSampleId :

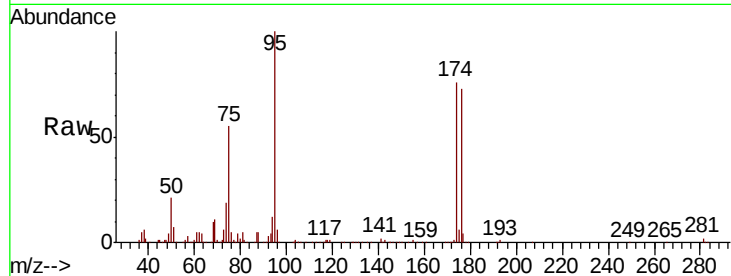
6-A

Tot Ion: 75 Resp: 83653

Ion Ratio Lower Upper

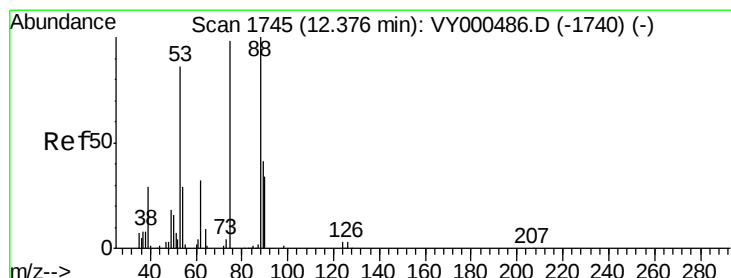
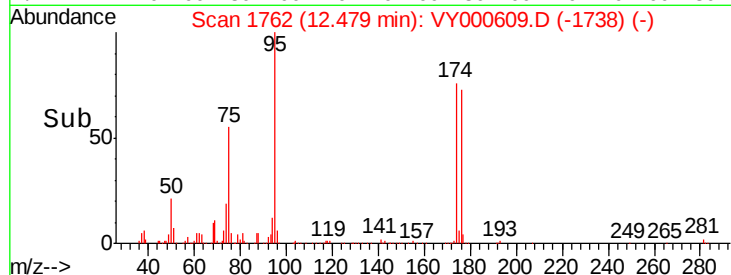
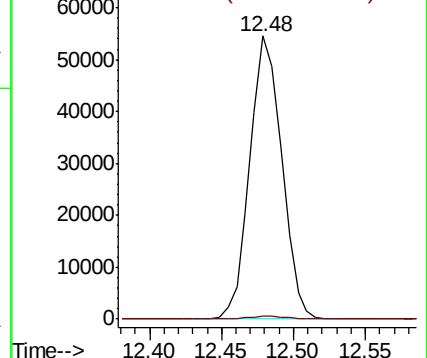
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0



#81

trans-1,4-Dichloro-2-butene

Concen: 112.864 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000609.D

Acq: 08 Nov 2019 12:14

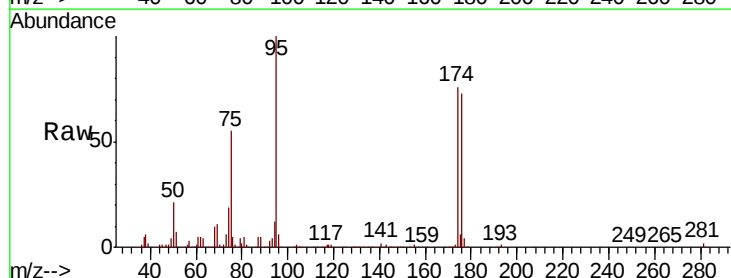
Tgt Ion: 75 Resp: 83653

Ion Ratio Lower Upper

75 100

53 0.0 73.2 109.8#

89 0.1 35.9 53.9#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

