

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021120\
 Data File : VX014913.D
 Acq On : 11 Feb 2020 13:54
 Operator : JC/SP
 Sample : L1015-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 12 05:43:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 10 12:09:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	444166	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	688227	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	657803	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	346651	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	250990	50.07	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.14%	
35) Dibromofluoromethane	5.49	113	211489	49.98	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.96%	
50) Toluene-d8	8.71	98	817442	50.61	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.22%	
62) 4-Bromofluorobenzene	11.13	95	308204	52.98	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.96%	

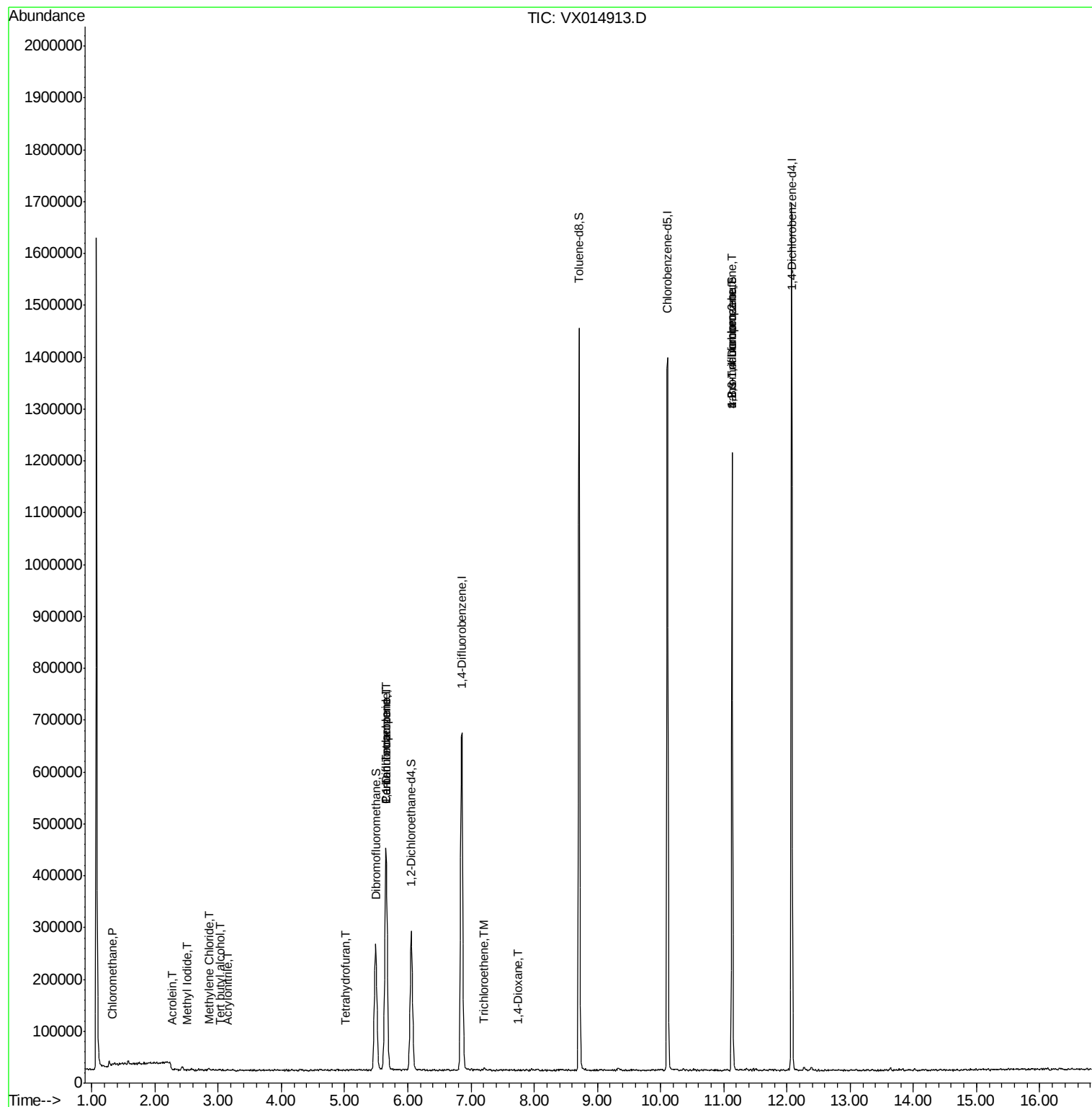
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1563	0.328	ug/l #	78
10) Methyl Iodide	2.51	142	1574	4.678	ug/l #	51
11) Tert butyl alcohol	3.03	59	482	0.545	ug/l #	1
13) Acrolein	2.28	56	222	0.329	ug/l #	37
15) Acrylonitrile	3.15	53	615	0.274	ug/l #	1
16) Acetone	2.43	43	7526	Below Cal		91
20) Methylene Chloride	2.85	84	2574	0.534	ug/l #	88
29) Tetrahydrofuran	5.01	42	630	0.325	ug/l	99
36) 1,1-Dichloropropene	5.65	75	28986	4.708	ug/l #	53
38) Carbon Tetrachloride	5.65	117	36928	6.155	ug/l #	18
44) Trichloroethene	7.21	130	2450	0.459	ug/l	97
49) 1,4-Dioxane	7.75	88	256	2.627	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	154379	24.627	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	154379	63.039	ug/l #	12

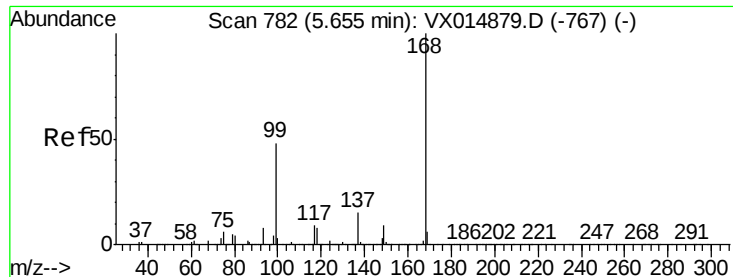
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX021120\
Data File : VX014913.D
Acq On : 11 Feb 2020 13:54
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Sample : L1015-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

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ClientSampleId :

Quant Time: Feb 12 05:43:36 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
Quant Title : SW846 8260
QLast Update : Mon Feb 10 12:09:20 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX014913.D

Acq: 11 Feb 2020 13:54

Instrument :

MSVOA_X

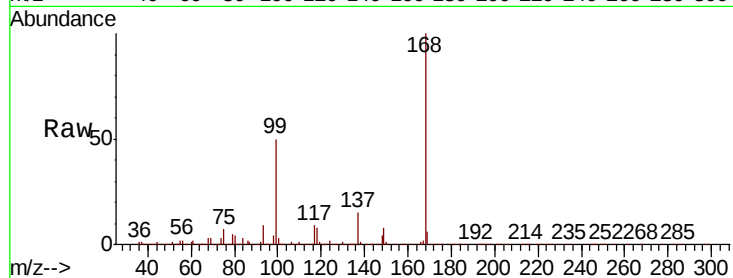
ClientSampleId :

Tot Ion:168 Resp: 444166

Ion Ratio Lower Upper

168 100

99 49.9 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

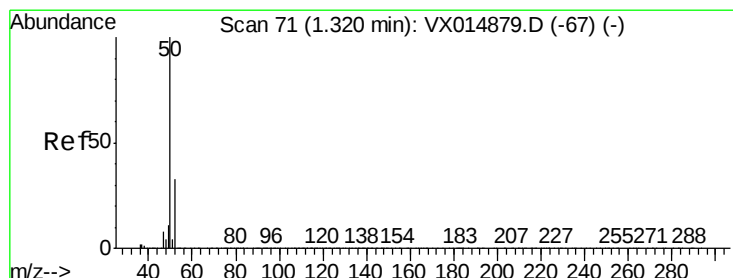
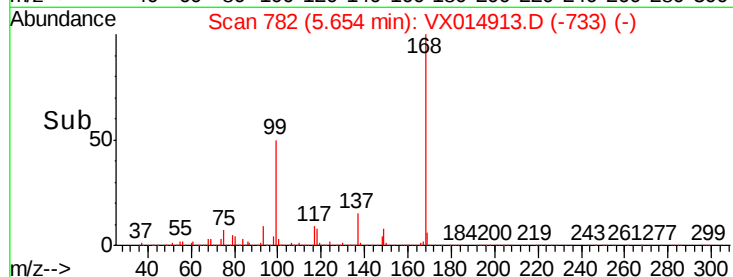
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.328 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX014913.D

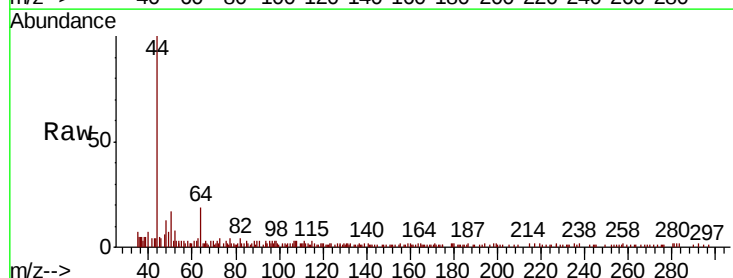
Acq: 11 Feb 2020 13:54

Tgt Ion: 50 Resp: 1563

Ion Ratio Lower Upper

50 100

52 20.4 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

1200

1000

800

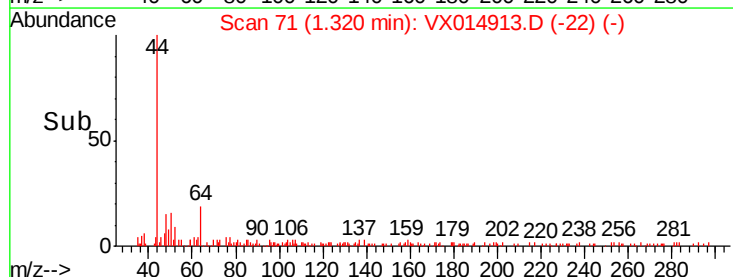
600

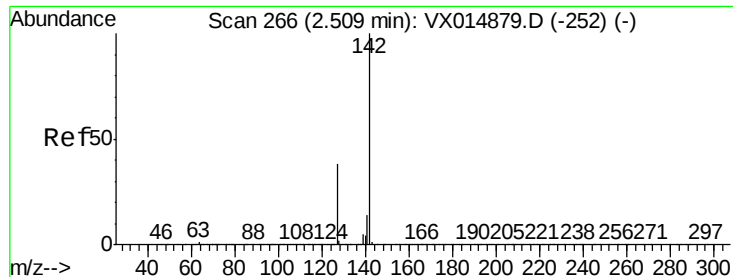
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200

0

Time-->

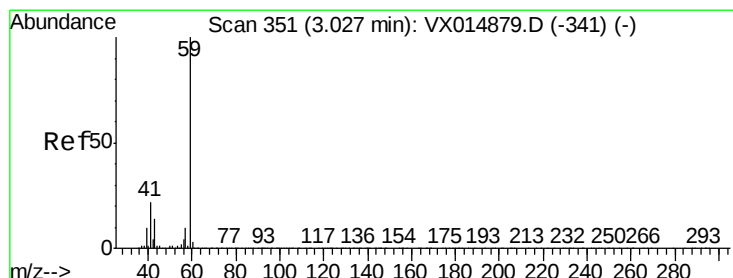
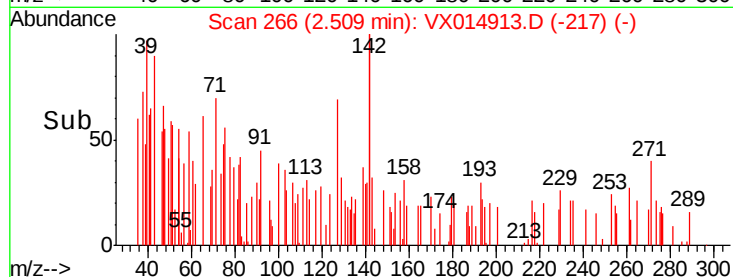
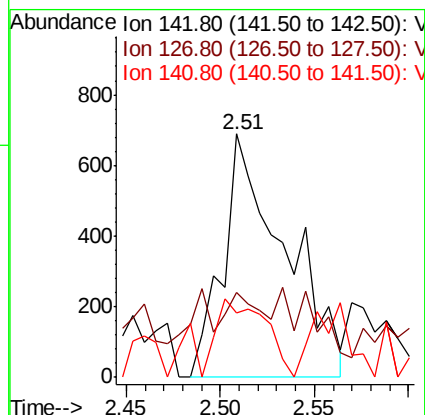
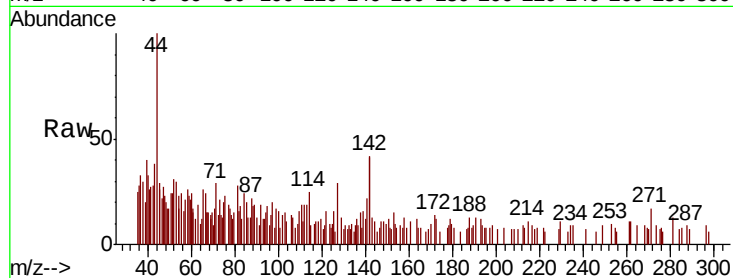




#10
Methyl Iodide
Concen: 4.678 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX014913.D
Acq: 11 Feb 2020 13:54

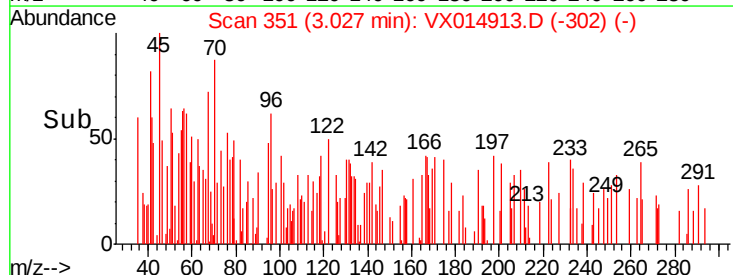
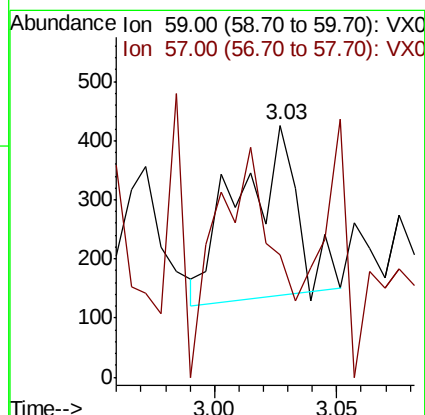
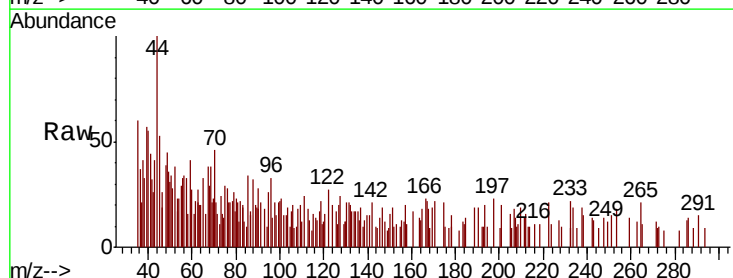
Instrument :
MSVOA_X
ClientSampled :

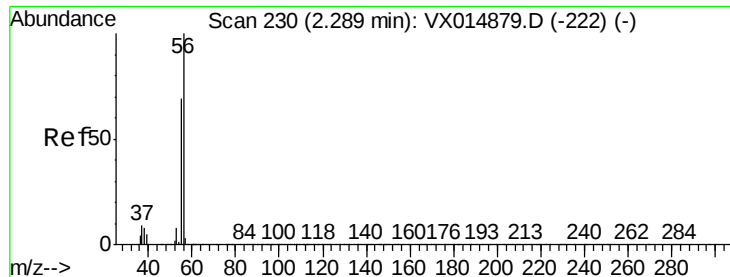
Tot Ion:142 Resp: 1574
Ion Ratio Lower Upper
142 100
127 4.0 31.1 46.7#
141 25.3 11.3 16.9#



#11
Tert butyl alcohol
Concen: 0.545 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX014913.D
Acq: 11 Feb 2020 13:54

Tgt Ion: 59 Resp: 482
Ion Ratio Lower Upper
59 100
57 133.0 8.2 12.4#





#13

Acrolein

Concen: 0.329 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.01 min

Lab File: VX014913.D

Acq: 11 Feb 2020 13:54

Instrument :

MSVOA_X

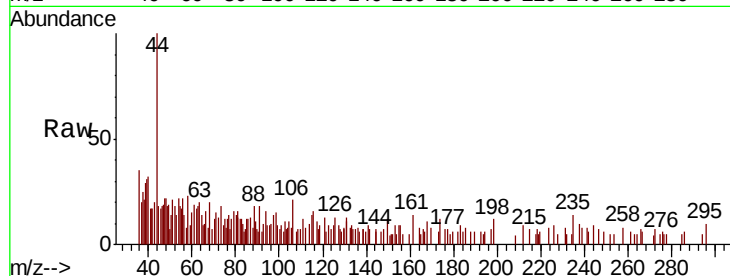
ClientSampled :

Tot Ion: 56 Resp: 222

Ion Ratio Lower Upper

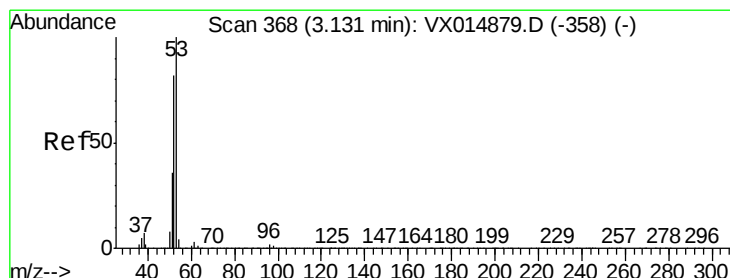
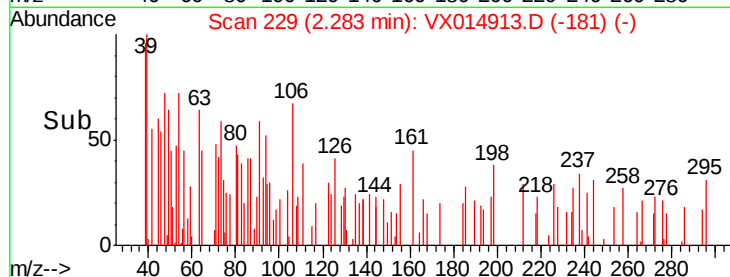
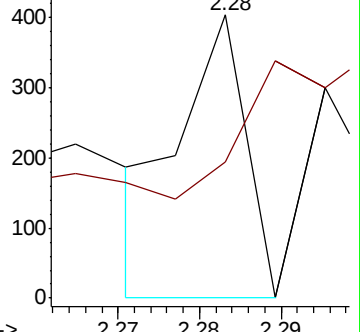
56 100

55 120.3 55.0 82.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.274 ug/l

RT: 3.15 min Scan# 372

Delta R.T. 0.02 min

Lab File: VX014913.D

Acq: 11 Feb 2020 13:54

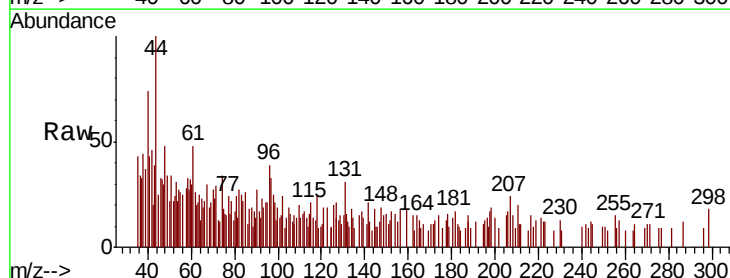
Tgt Ion: 53 Resp: 615

Ion Ratio Lower Upper

53 100

52 0.0 65.8 98.6#

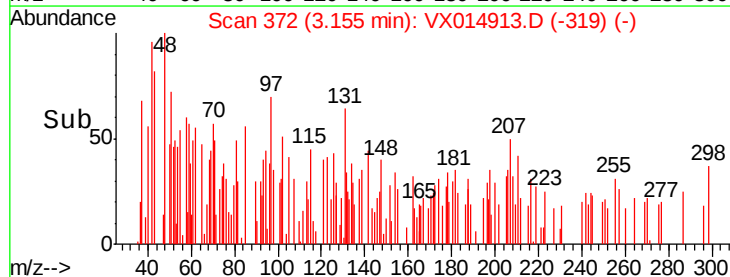
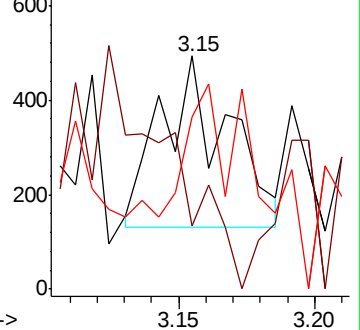
51 132.7 29.1 43.7#

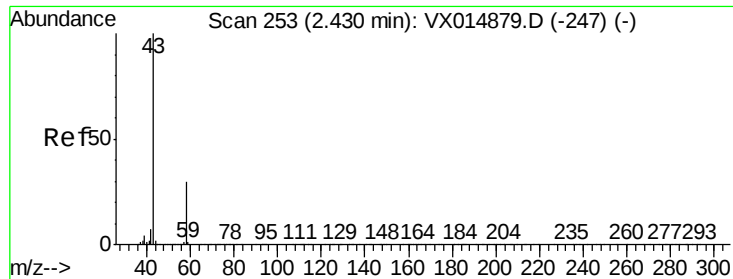


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

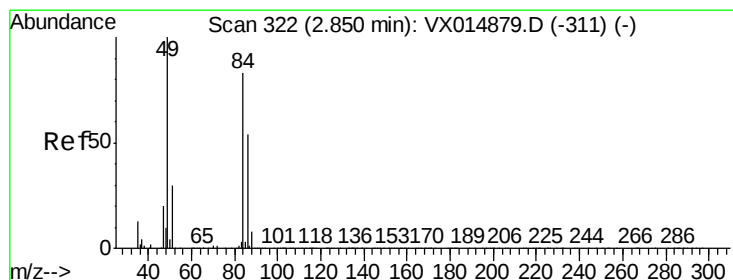
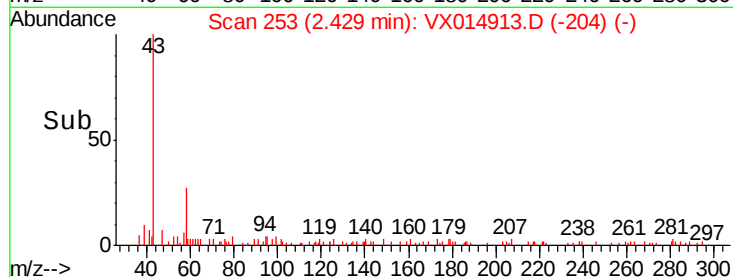
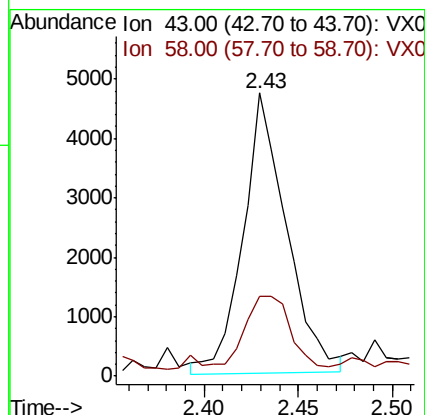
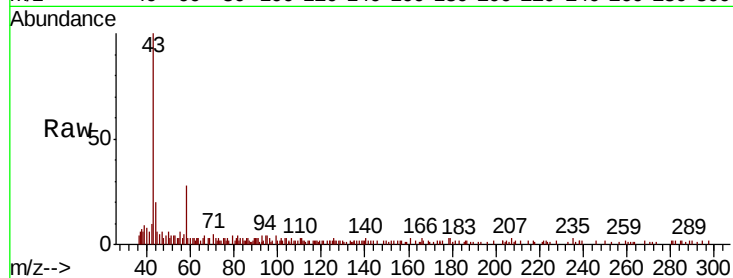




#16
Acetone
Concen: Below Cal
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX014913.D
Acq: 11 Feb 2020 13:54

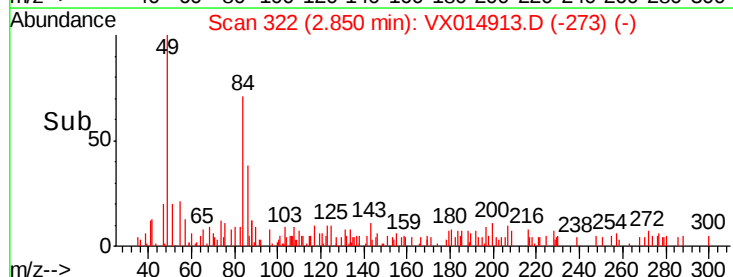
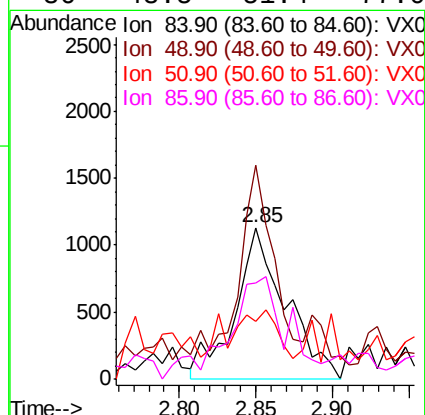
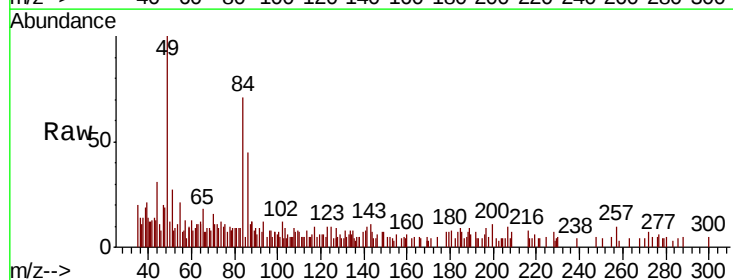
Instrument :
MSVOA_X
ClientSampled :

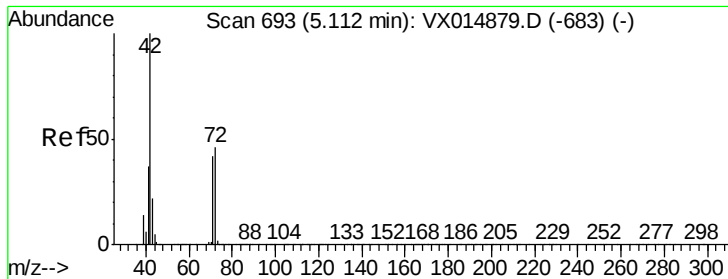
Tot Ion: 43 Resp: 7526
Ion Ratio Lower Upper
43 100
58 25.1 24.1 36.1



#20
Methylene Chloride
Concen: 0.534 ug/l
RT: 2.85 min Scan# 322
Delta R.T. -0.00 min
Lab File: VX014913.D
Acq: 11 Feb 2020 13:54

Tgt Ion: 84 Resp: 2574
Ion Ratio Lower Upper
84 100
49 125.8 95.6 143.4
51 24.8 29.0 43.6#
86 48.5 51.4 77.0#

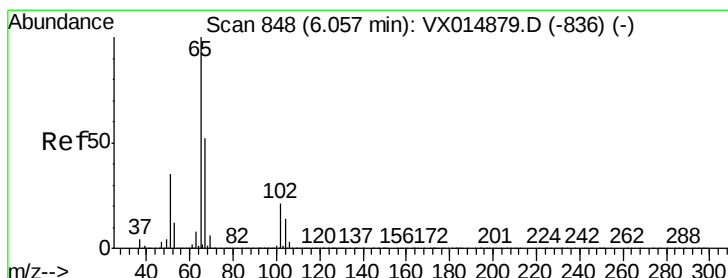
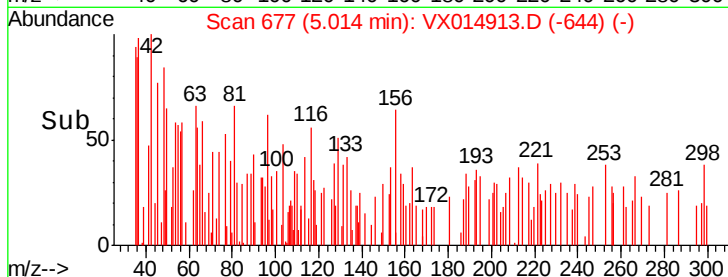
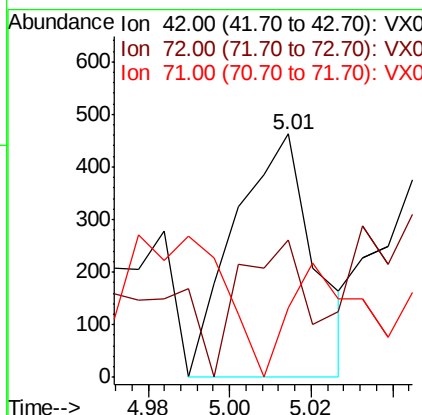
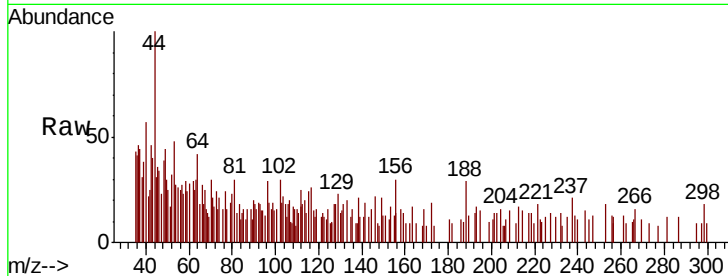




#29
Tetrahydrofuran
Concen: 0.325 ug/l
RT: 5.01 min Scan# 677
Delta R.T. -0.10 min
Lab File: VX014913.D
Acq: 11 Feb 2020 13:54

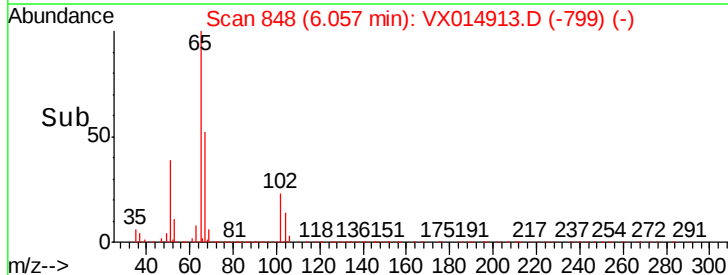
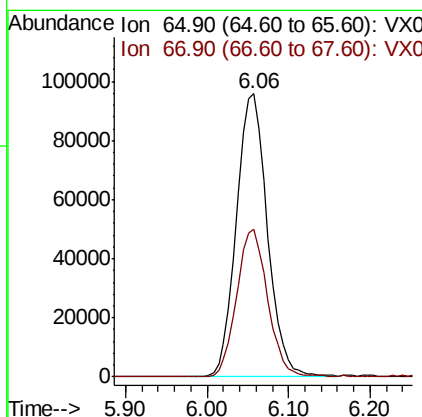
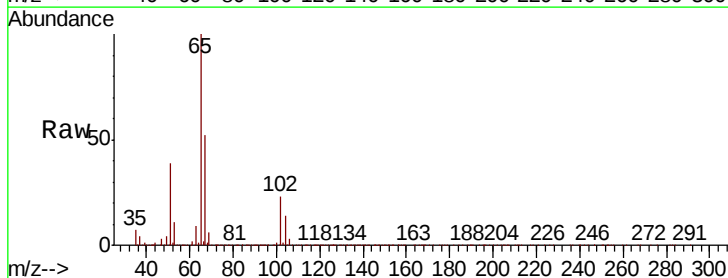
Instrument :
MSVOA_X
ClientSampled :

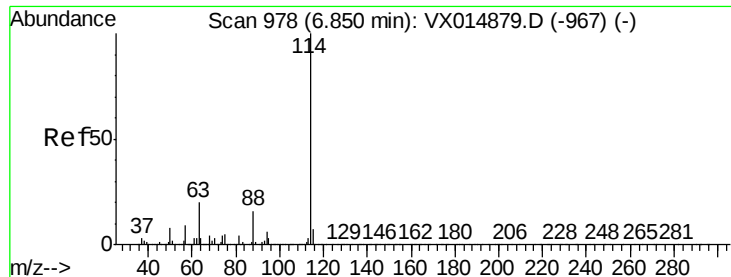
Tot Ion: 42 Resp: 630
Ion Ratio Lower Upper
42 100
72 45.7 36.9 55.3
71 42.1 34.1 51.1



#33
1,2-Dichloroethane-d4
Concen: 50.070 ug/l
RT: 6.06 min Scan# 848
Delta R.T. -0.00 min
Lab File: VX014913.D
Acq: 11 Feb 2020 13:54

Tgt Ion: 65 Resp: 250990
Ion Ratio Lower Upper
65 100
67 52.4 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 979

Delta R.T. 0.01 min

Lab File: VX014913.D

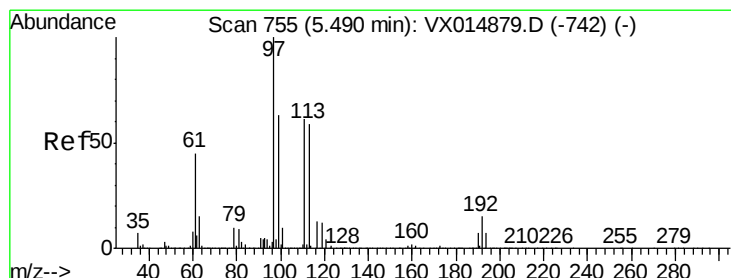
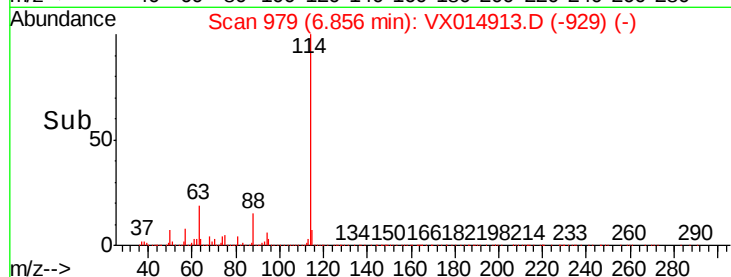
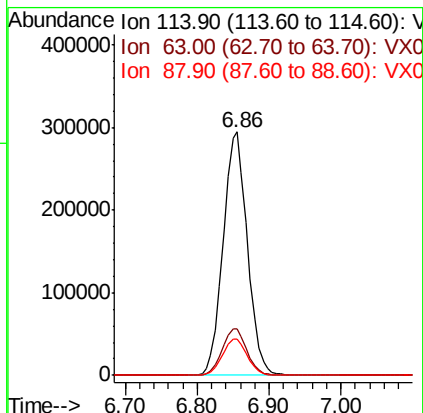
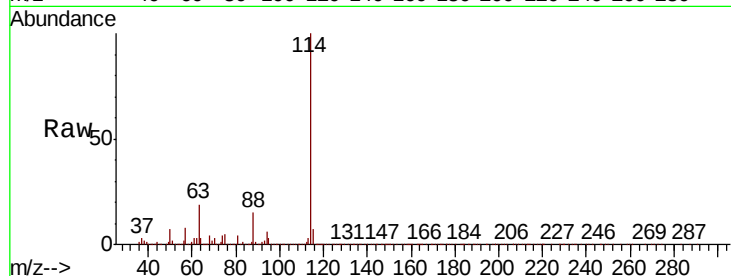
Acq: 11 Feb 2020 13:54

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:	114	Resp:	688227
Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	39.2
88	15.0	0.0	32.0



#35

Dibromofluoromethane

Concen: 49.985 ug/l

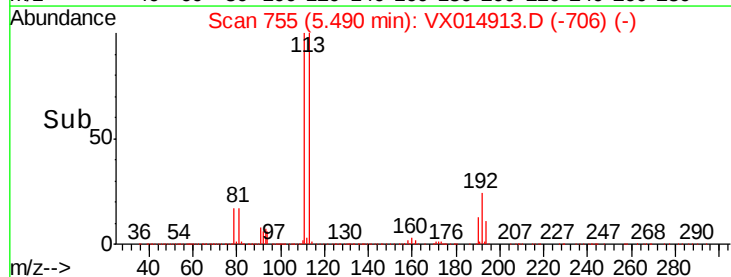
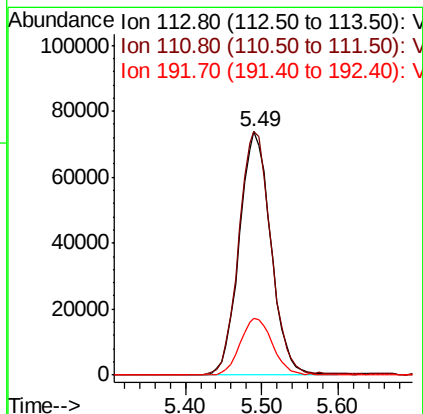
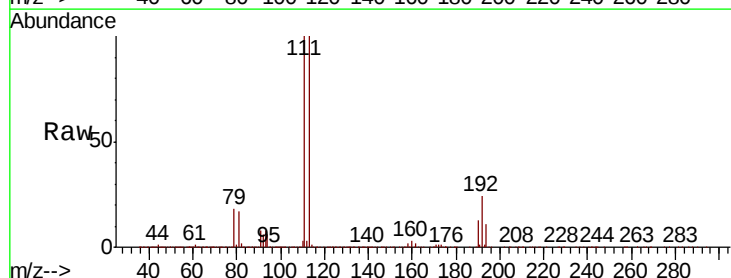
RT: 5.49 min Scan# 755

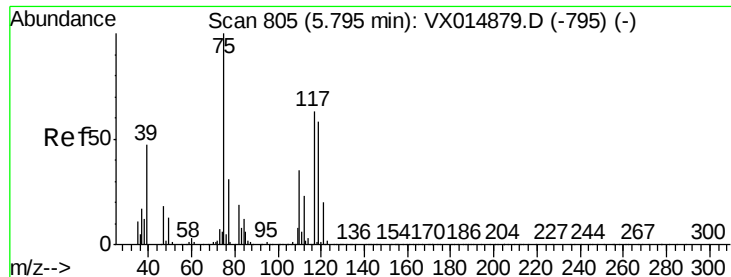
Delta R.T. -0.00 min

Lab File: VX014913.D

Acq: 11 Feb 2020 13:54

Tgt Ion:	113	Resp:	211489
Ion	Ratio	Lower	Upper
113	100		
111	101.0	82.4	123.6
192	24.3	19.1	28.7

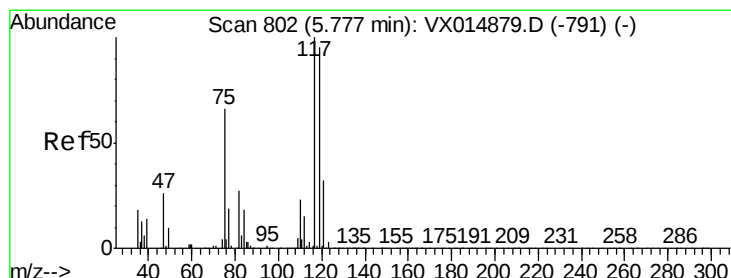
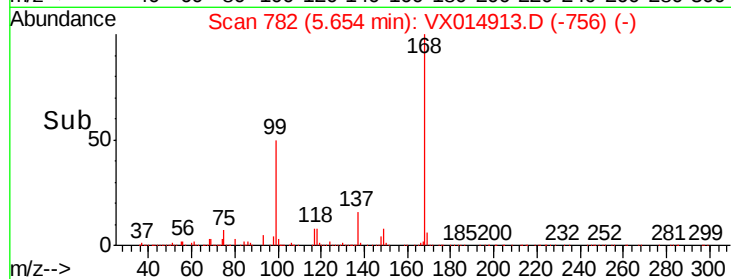
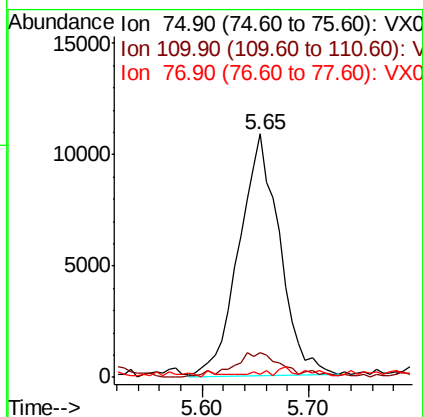
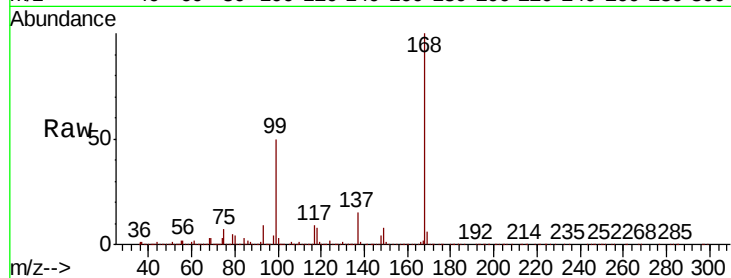




#36
 1,1-Dichloropropene
 Concen: 4.708 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.14 min
 Lab File: VX014913.D
 Acq: 11 Feb 2020 13:54

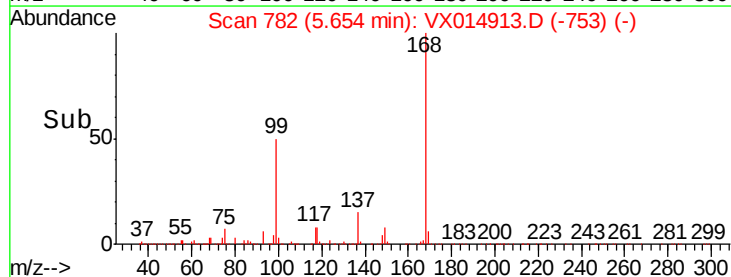
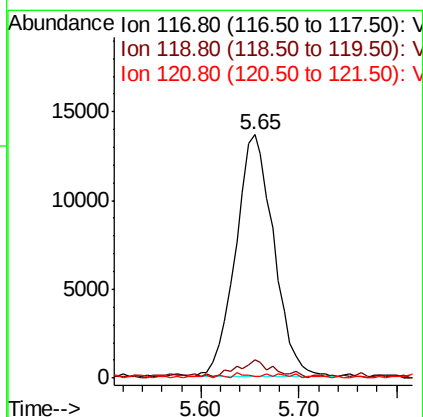
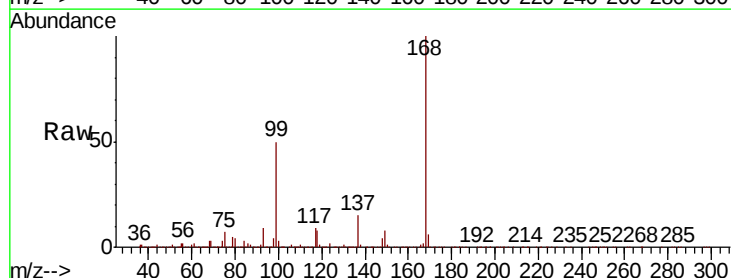
Instrument :
 MSVOA_X
 ClientSampleId :

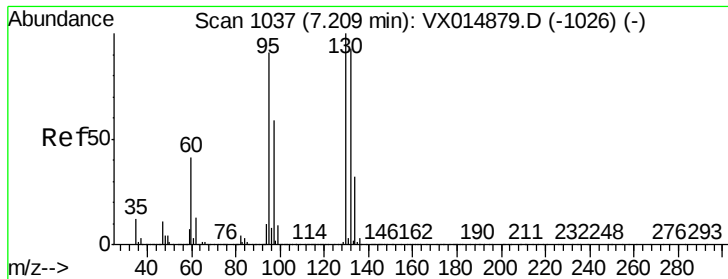
Tot Ion	Ratio	Lower	Upper
75	100		
110	13.1	18.3	54.8#
77	0.7	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.155 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX014913.D
 Acq: 11 Feb 2020 13:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.3	76.0	114.0#
121	0.8	25.4	38.2#





#44

Trichloroethene

Concen: 0.459 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VX014913.D

Acq: 11 Feb 2020 13:54

Instrument :

MSVOA_X

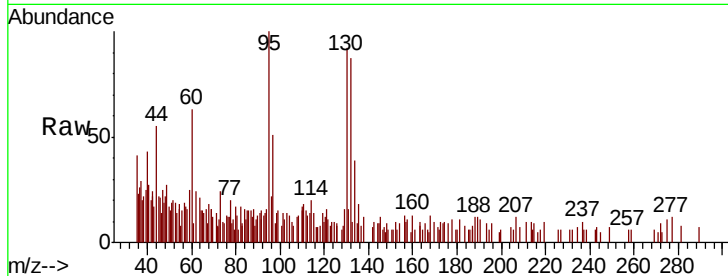
ClientSampled :

Tot Ion:130 Resp: 2450

Ion Ratio Lower Upper

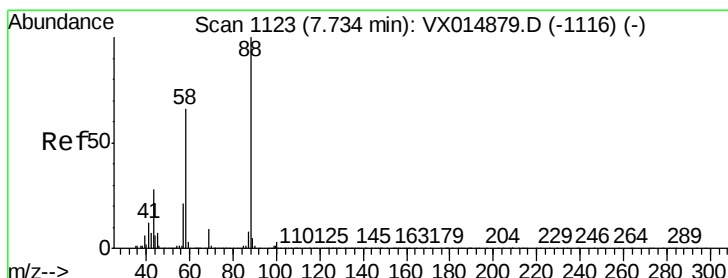
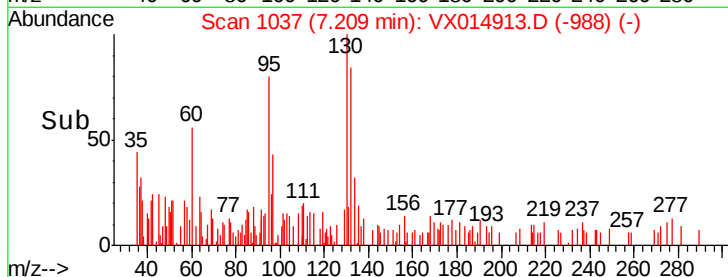
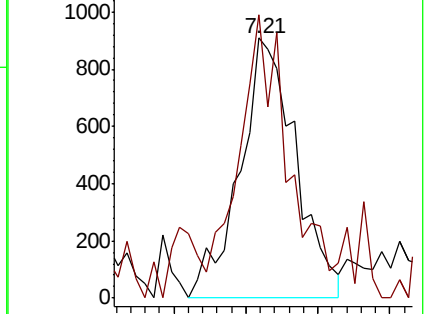
130 100

95 88.1 0.0 182.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 2.627 ug/l

RT: 7.75 min Scan# 1126

Delta R.T. 0.02 min

Lab File: VX014913.D

Acq: 11 Feb 2020 13:54

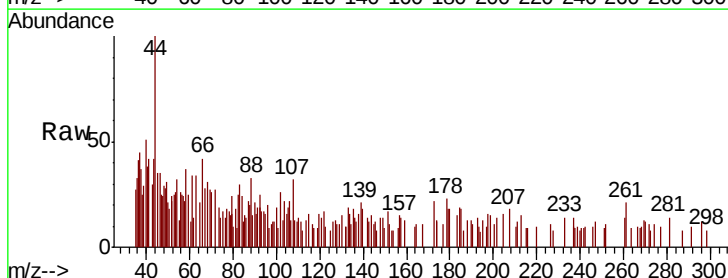
Tgt Ion: 88 Resp: 256

Ion Ratio Lower Upper

88 100

43 145.3 27.0 40.4#

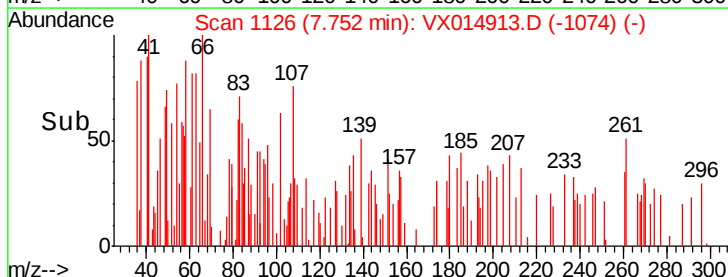
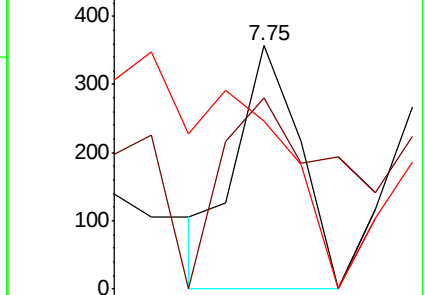
58 0.0 53.2 79.8#

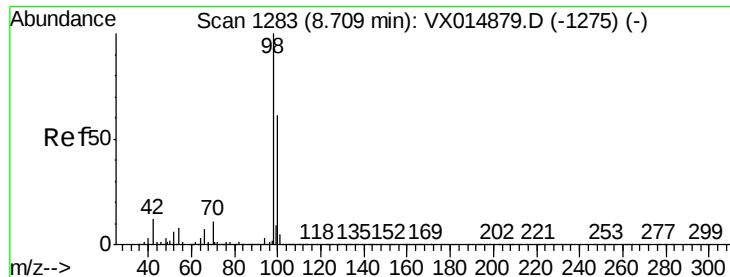


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.615 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX014913.D

Acq: 11 Feb 2020 13:54

Instrument :

MSVOA_X

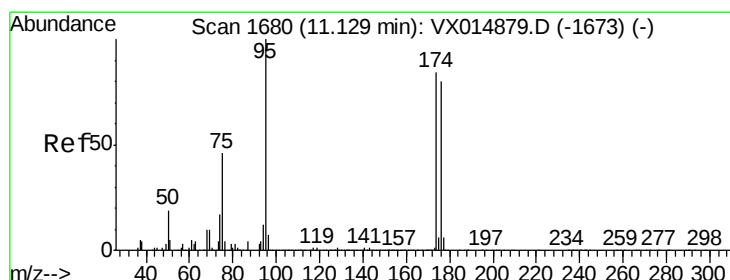
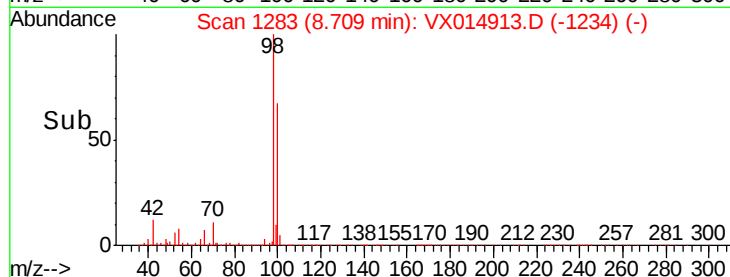
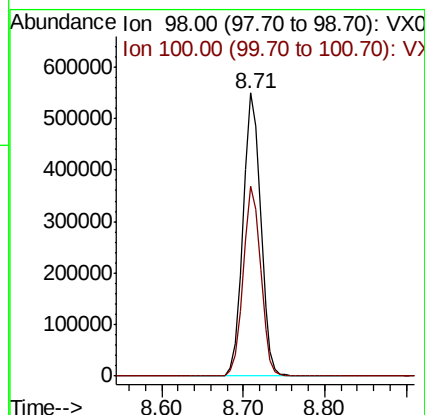
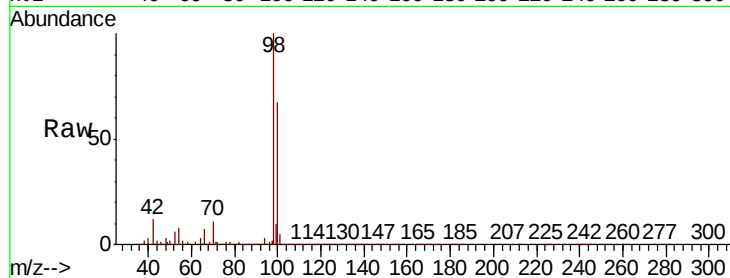
ClientSampleId :

Tot Ion: 98 Resp: 817442

Ion Ratio Lower Upper

98 100

100 66.1 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 52.976 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX014913.D

Acq: 11 Feb 2020 13:54

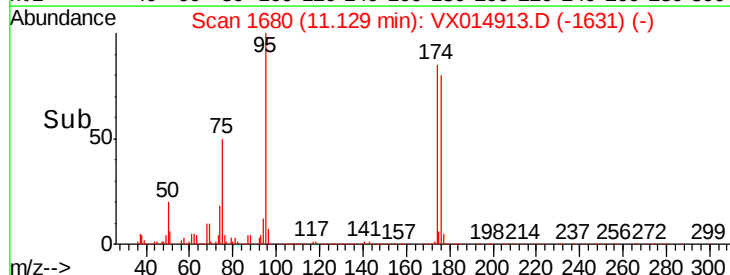
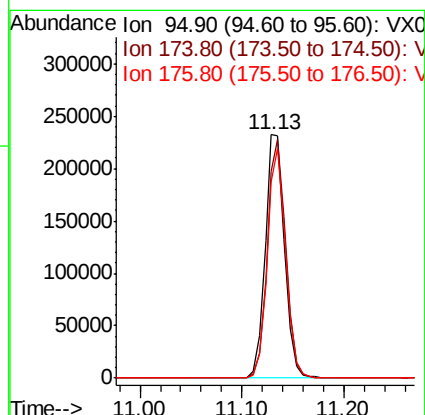
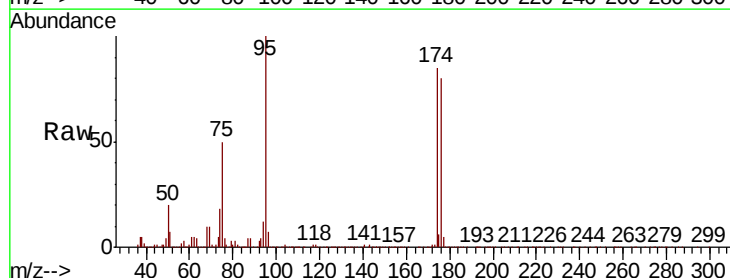
Tgt Ion: 95 Resp: 308204

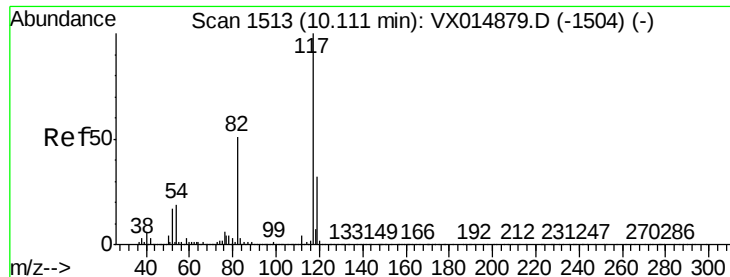
Ion Ratio Lower Upper

95 100

174 93.3 0.0 183.0

176 89.1 0.0 178.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX014913.D

Acq: 11 Feb 2020 13:54

Instrument :

MSVOA_X

ClientSampleId :

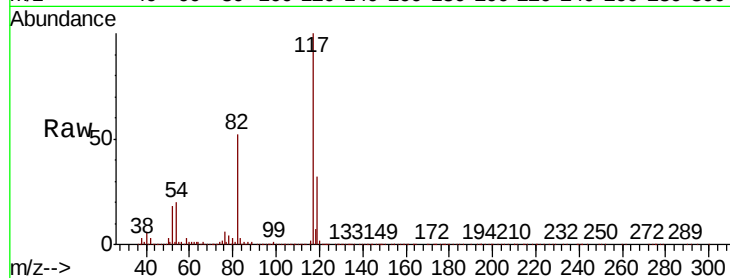
Tot Ion:117 Resp: 657803

Ion Ratio Lower Upper

117 100

82 52.1 40.5 60.7

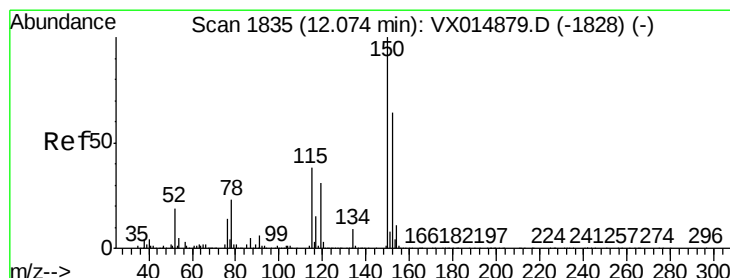
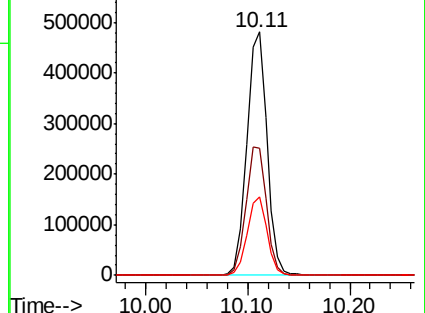
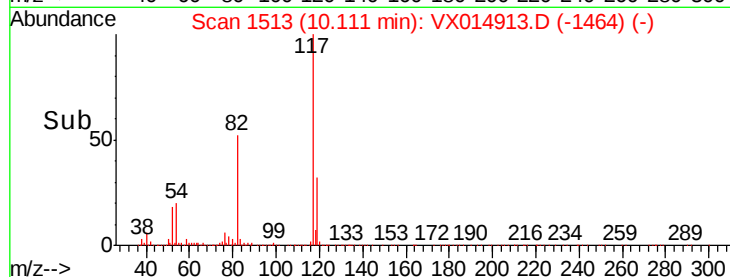
119 32.1 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

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: VX014913.D

Acq: 11 Feb 2020 13:54

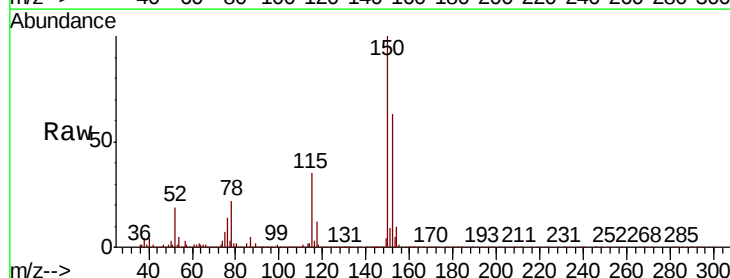
Tgt Ion:152 Resp: 346651

Ion Ratio Lower Upper

152 100

115 55.2 38.6 116.0

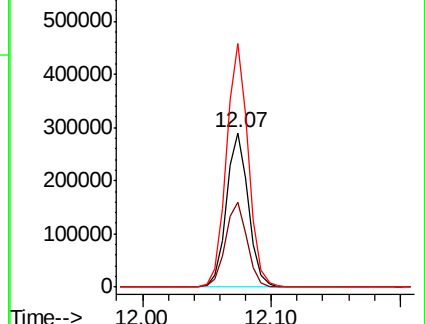
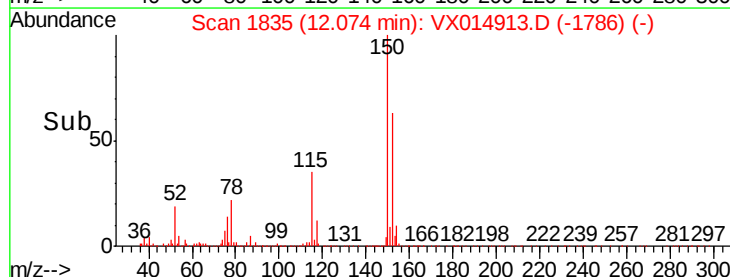
150 157.3 0.0 349.0

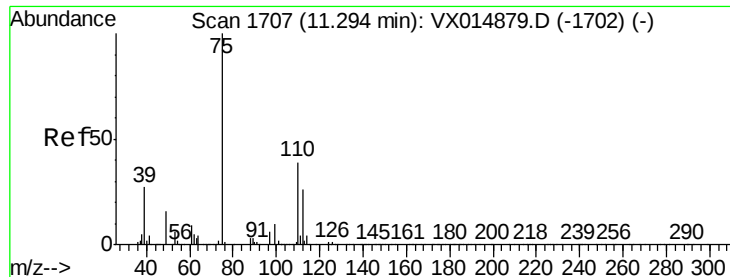


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 24.627 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014913.D

Acq: 11 Feb 2020 13:54

Instrument :

MSVOA_X

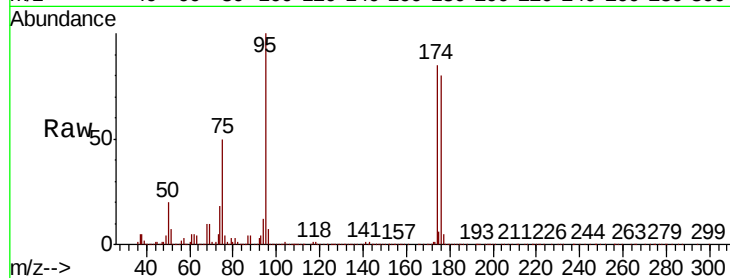
ClientSampled :

Tot Ion: 75 Resp: 154379

Ion Ratio Lower Upper

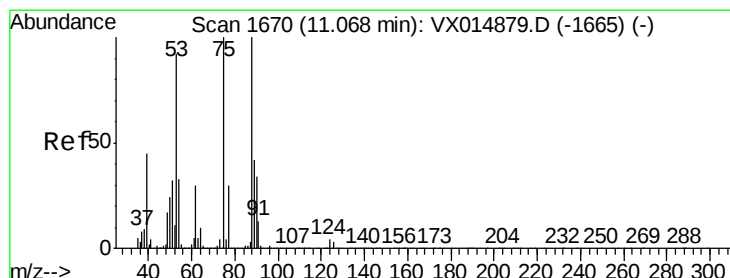
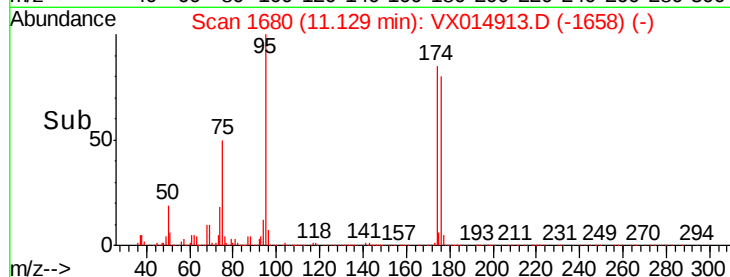
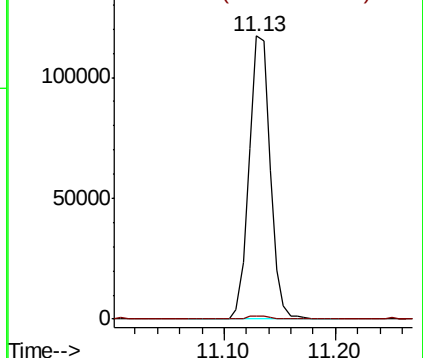
75 100

77 1.3 18.4 55.0#



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: 63.039 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014913.D

Acq: 11 Feb 2020 13:54

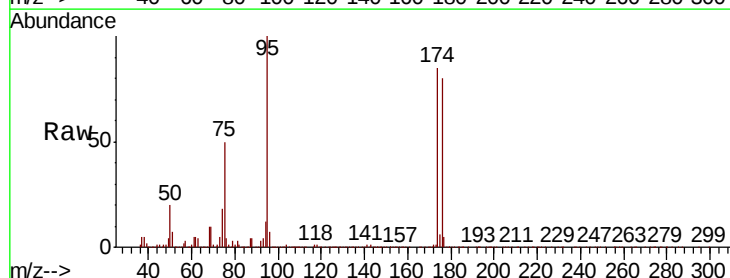
Tgt Ion: 75 Resp: 154379

Ion Ratio Lower Upper

75 100

53 0.4 76.2 114.2#

89 0.2 35.8 53.6#



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

