

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031319\
 Data File : VD061053.D
 Acq On : 13 Mar 2019 20:16
 Operator : VA/AP
 Sample : K1824-13
 Misc : 5.06g/5ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

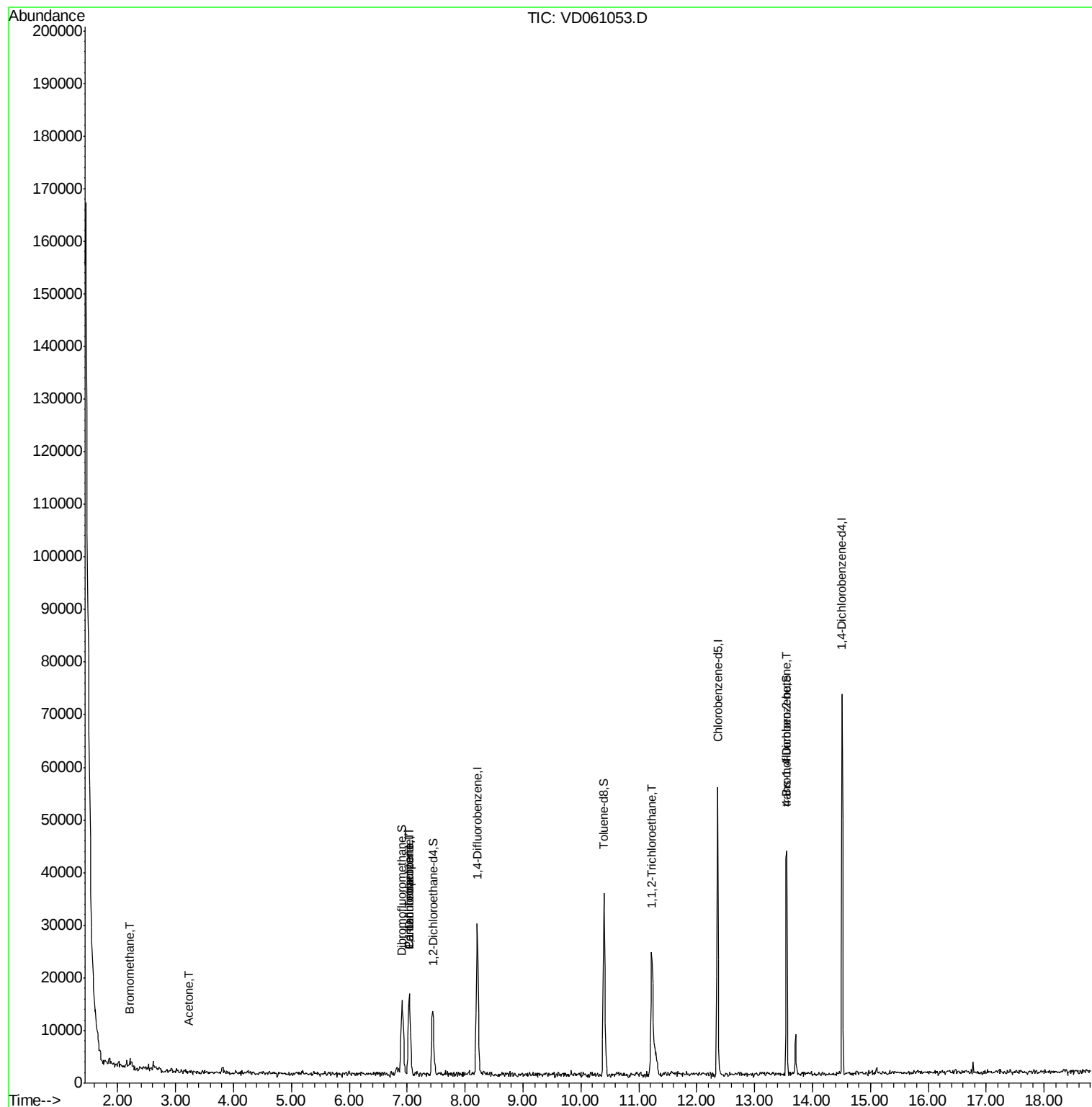
Quant Time: Mar 14 02:03:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	17778	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	38532	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	38123	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	17496	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	12398	83.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	167.56%	
35) Dibromofluoromethane	6.91	113	14317	50.07	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	100.14%	
50) Toluene-d8	10.39	98	32866	45.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.54%	
62) 4-Bromofluorobenzene	13.54	95	15444	55.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.86%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.21	94	892	34.857	ug/l #	8
16) Acetone	3.24	43	206	4.868	ug/l #	48
20) Methylene Chloride	3.80	84	615	Below Cal	#	43
36) 1,1-Dichloropropene	7.04	75	520	1.566	ug/l #	39
38) Carbon Tetrachloride	7.04	117	1368	3.739	ug/l #	11
55) 1,1,2-Trichloroethane	11.22	97	715	4.160	ug/l #	15
81) trans-1,4-Dichloro-2-buten	13.54	75	5472	73.737	ug/l #	17

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.01 min

Lab File: VD061053.D

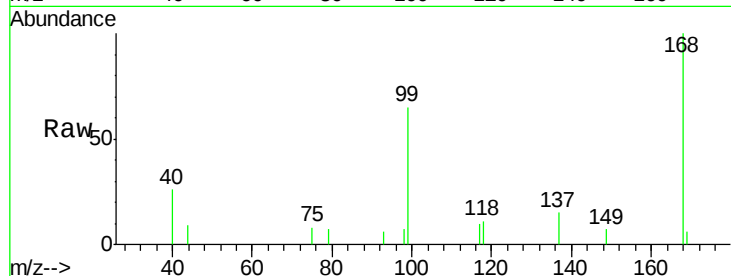
Acq: 13 Mar 2019 20:16

Tot Ion:168 Resp: 17778

Ion Ratio Lower Upper

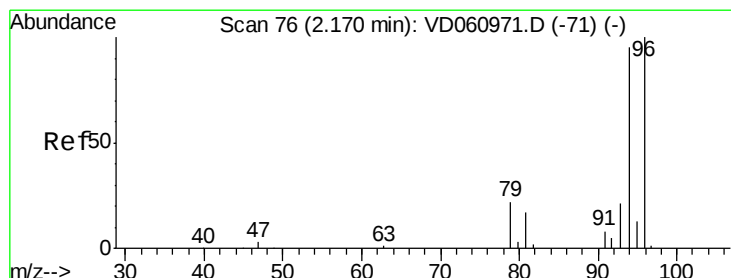
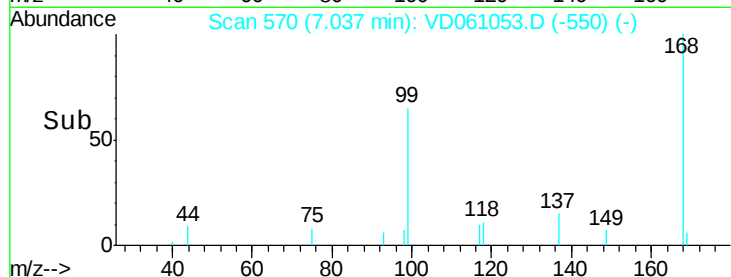
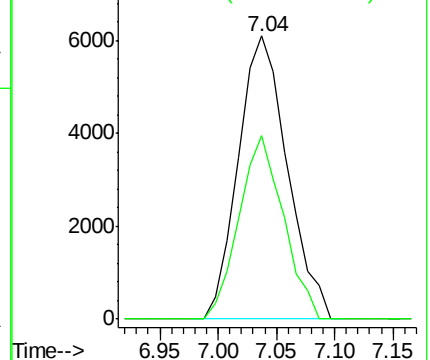
168 100

99 64.9 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 34.857 ug/l

RT: 2.21 min Scan# 80

Delta R.T. 0.04 min

Lab File: VD061053.D

Acq: 13 Mar 2019 20:16

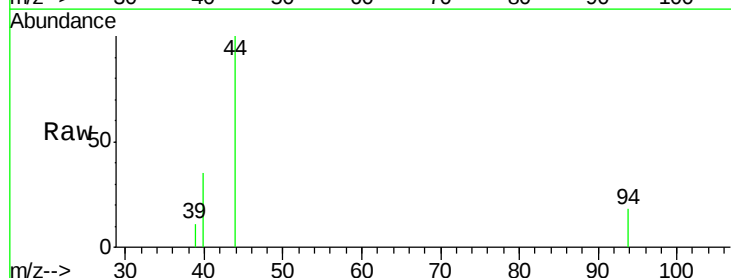
Tgt Ion: 94 Resp: 892

Ion Ratio Lower Upper

94 100

96 0.0 84.0 126.0#

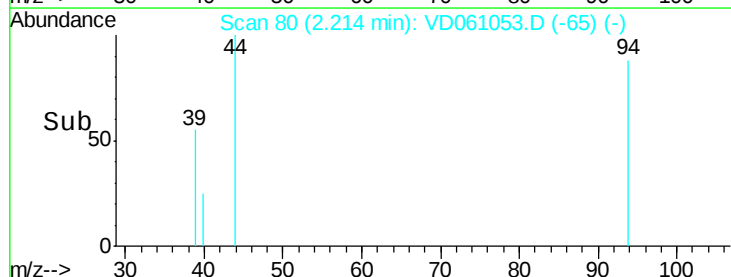
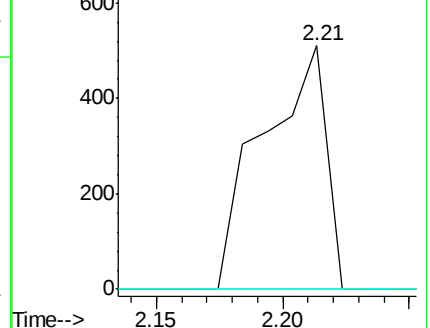
93 0.0 17.3 25.9#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC





#16

Acetone

Concen: 4.868 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD061053.D

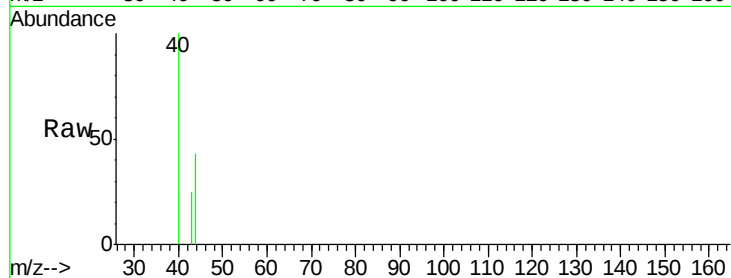
Acq: 13 Mar 2019 20:16

Tot Ion: 43 Resp: 206

Ion Ratio Lower Upper

43 100

58 0.0 21.6 32.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.24

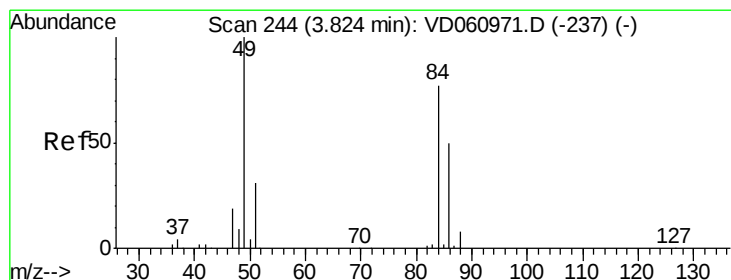
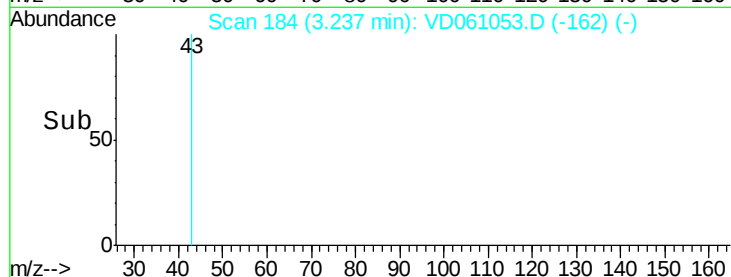
300

200

100

0

Time--> 3.20 3.22 3.24 3.26



#20

Methylene Chloride

Concen: Below Cal

RT: 3.80 min Scan# 241

Delta R.T. -0.02 min

Lab File: VD061053.D

Acq: 13 Mar 2019 20:16

Tgt Ion: 84 Resp: 615

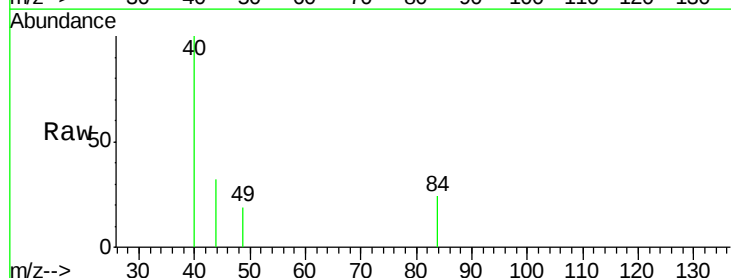
Ion Ratio Lower Upper

84 100

49 81.1 104.2 156.2#

51 0.0 32.3 48.5#

86 0.0 52.3 78.5#



Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

3.80

400

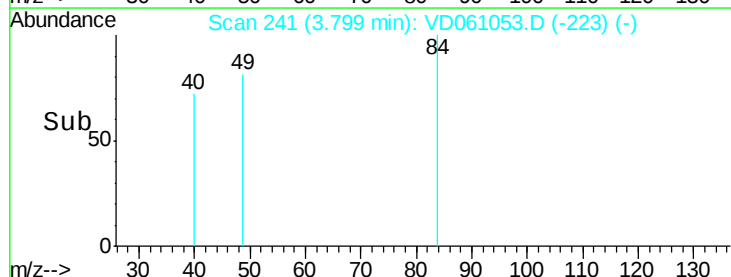
300

200

100

0

Time--> 3.75 3.80 3.85





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.01 min

Lab File: VD061053.D

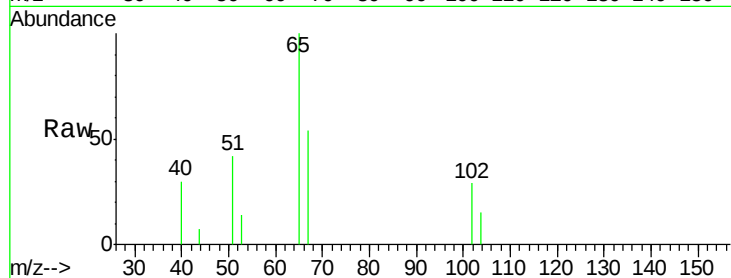
Acq: 13 Mar 2019 20:16

Tot Ion: 65 Resp: 12398

Ion Ratio Lower Upper

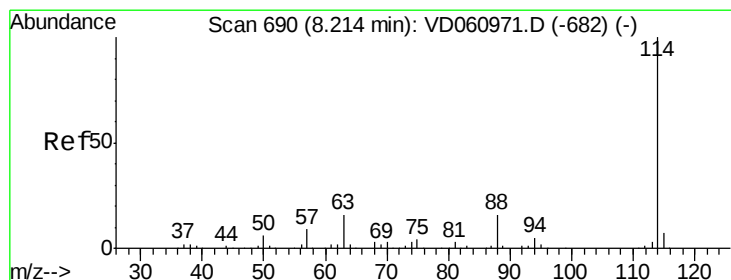
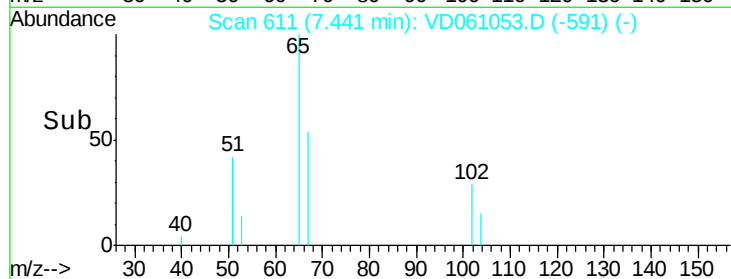
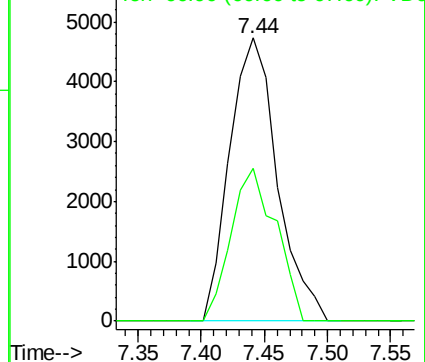
65 100

67 53.8 0.0 105.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. -0.01 min

Lab File: VD061053.D

Acq: 13 Mar 2019 20:16

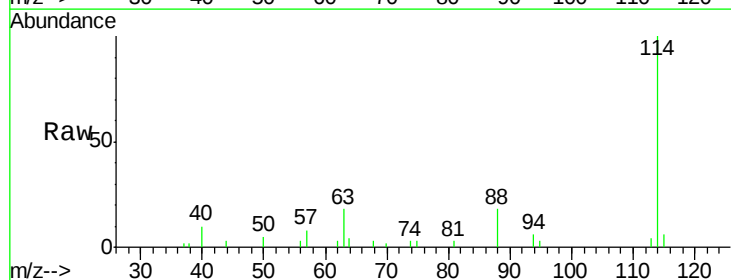
Tgt Ion: 114 Resp: 38532

Ion Ratio Lower Upper

114 100

63 17.6 0.0 31.4

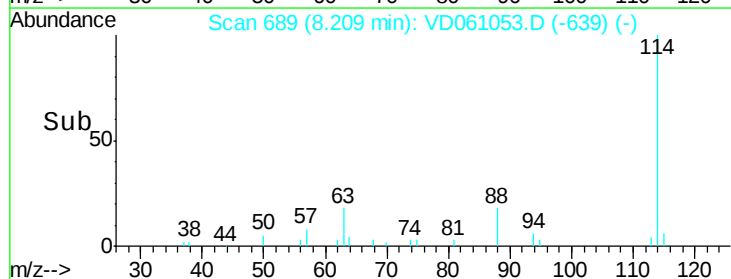
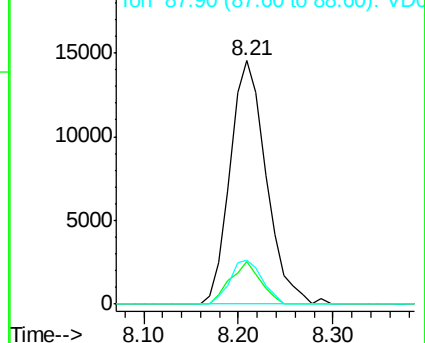
88 17.8 0.0 33.0



Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.02 min

Lab File: VD061053.D

Acq: 13 Mar 2019 20:16

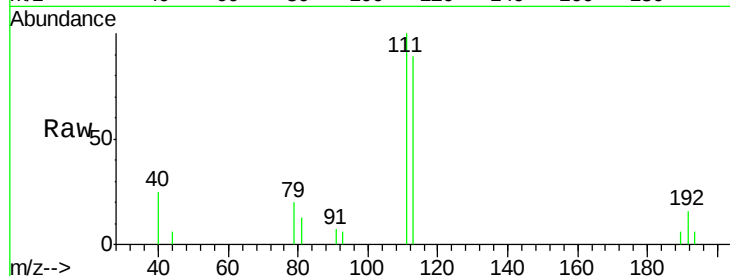
Tot Ion:113 Resp: 14317

Ion Ratio Lower Upper

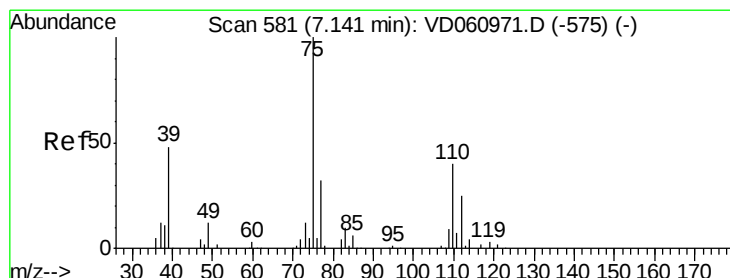
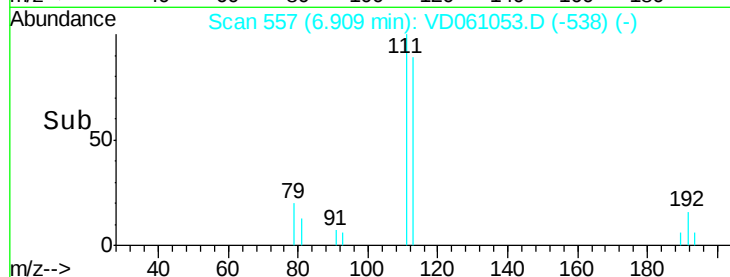
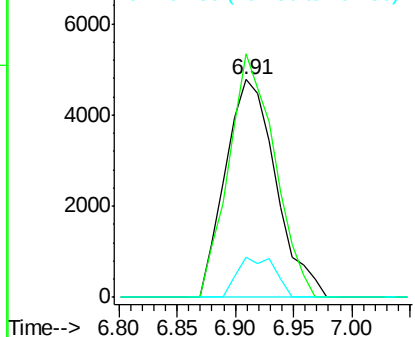
113 100

111 111.9 84.2 126.4

192 18.2 13.1 19.7



Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 1.566 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.10 min

Lab File: VD061053.D

Acq: 13 Mar 2019 20:16

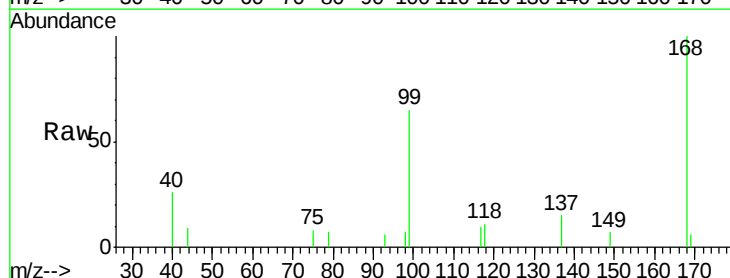
Tgt Ion: 75 Resp: 520

Ion Ratio Lower Upper

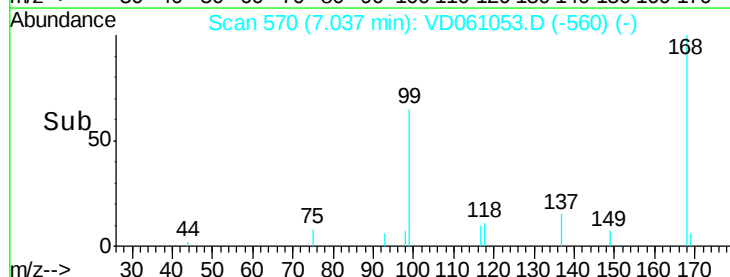
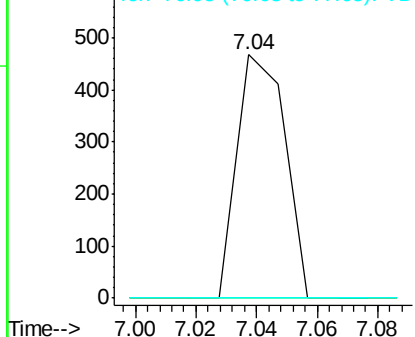
75 100

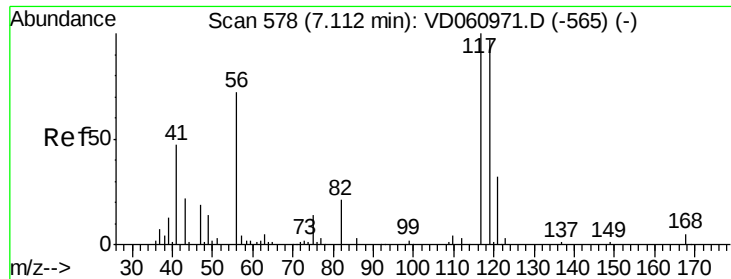
110 0.0 19.7 59.1#

77 0.0 24.7 37.1#



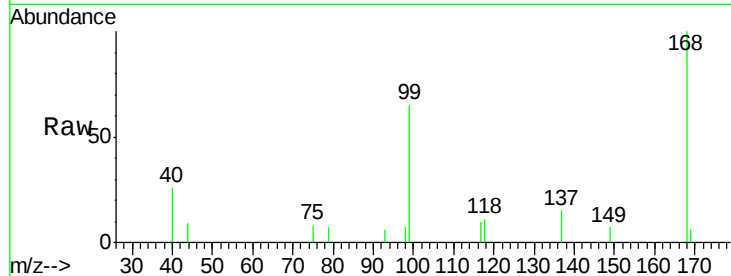
Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC



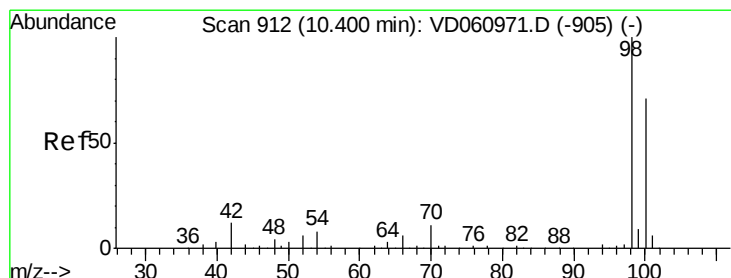
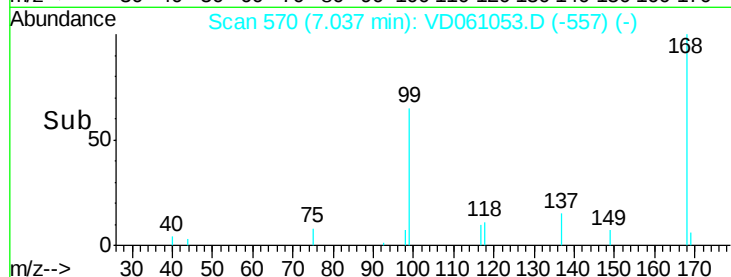
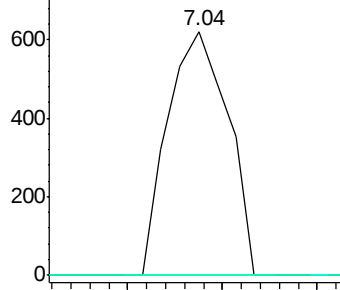


#38
Carbon Tetrachloride
Concen: 3.739 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.07 min
Lab File: VD061053.D
Acq: 13 Mar 2019 20:16

Tot Ion:117 Resp: 1368
Ion Ratio Lower Upper
117 100
119 0.0 77.8 116.8#
121 0.0 25.3 37.9#

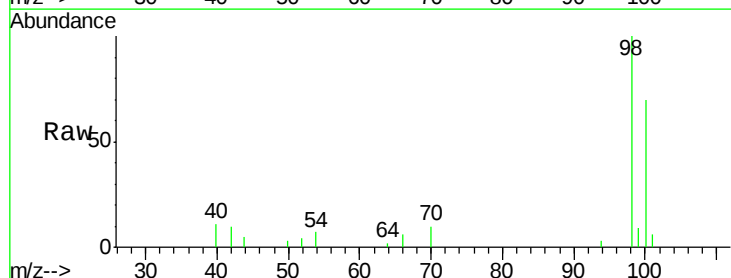


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

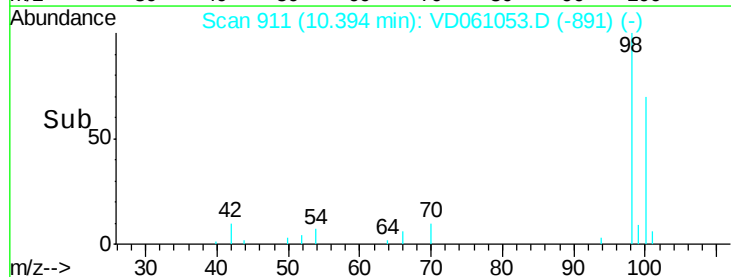
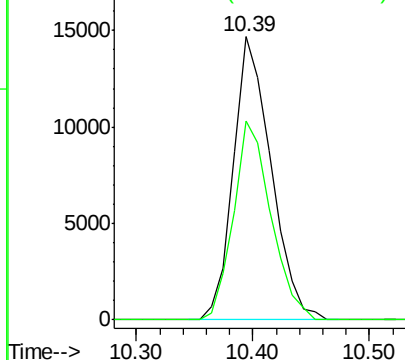


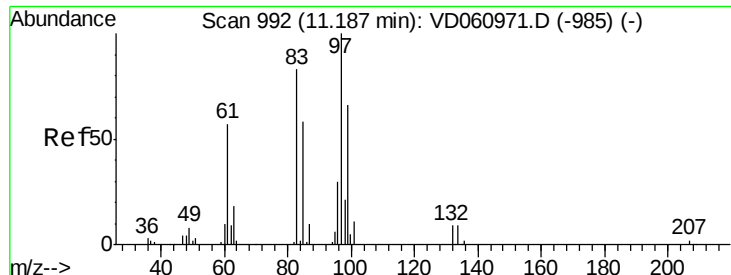
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD061053.D
Acq: 13 Mar 2019 20:16

Tgt Ion: 98 Resp: 32866
Ion Ratio Lower Upper
98 100
100 70.1 57.4 86.2



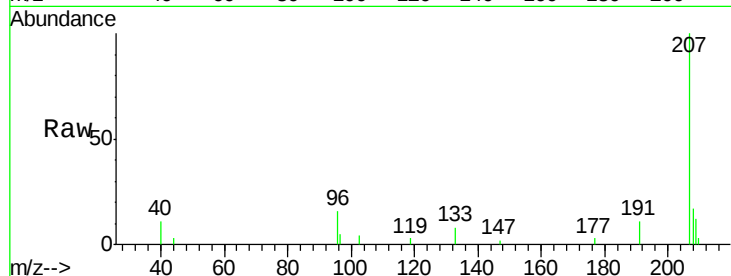
Abundance Ion 98.05 (97.75 to 98.75): V
Ion 100.05 (99.75 to 100.75): V





#55
1,1,2-Trichloroethane
Concen: 4.160 ug/l
RT: 11.22 min Scan# 995
Delta R.T. 0.03 min
Lab File: VD061053.D
Acq: 13 Mar 2019 20:16

Tot Ion	Ratio	Lower	Upper
97	100		
83	0.0	66.6	100.0#
85	0.0	46.4	69.6#
99	0.0	52.4	78.6#

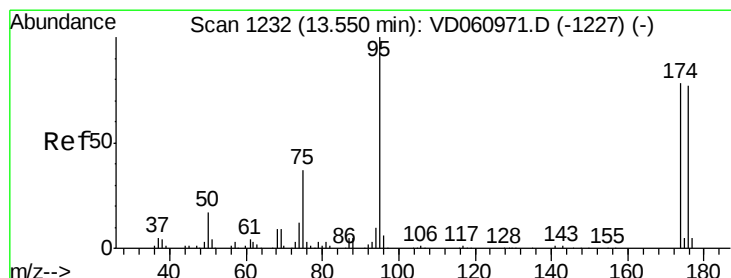
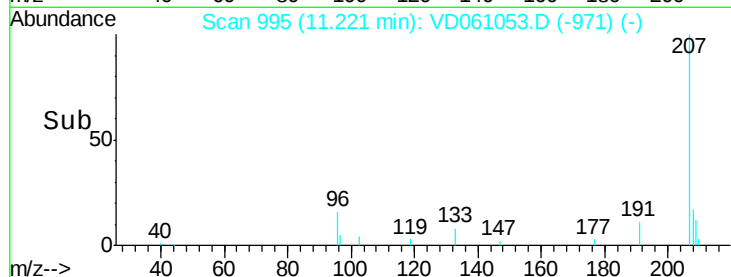
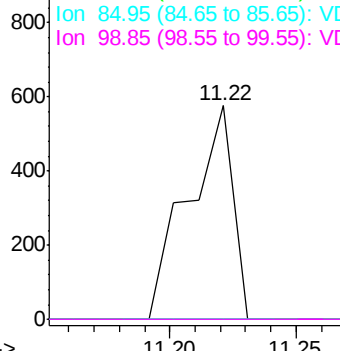


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

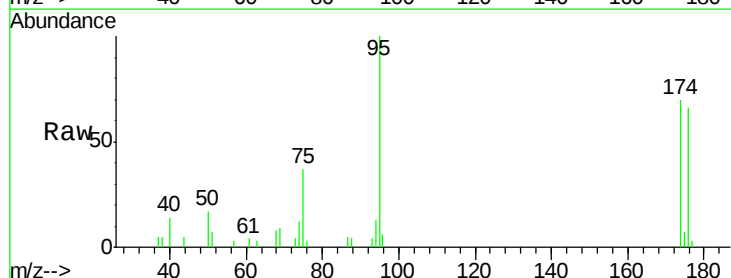
Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.54 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD061053.D
Acq: 13 Mar 2019 20:16

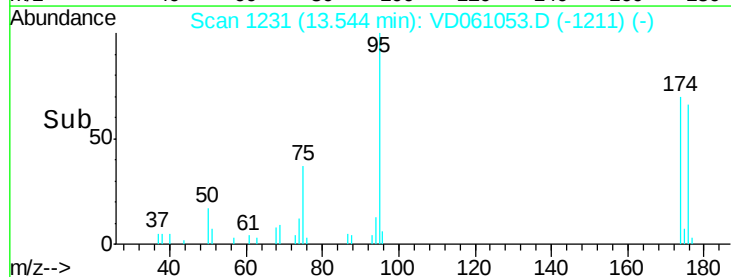
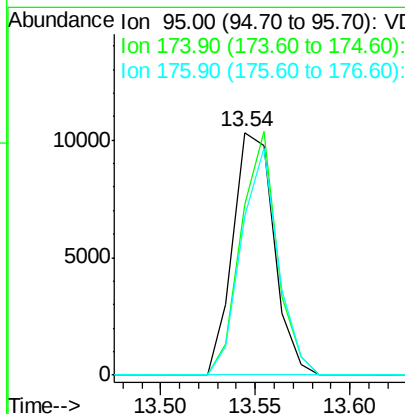
Tgt Ion	Ratio	Lower	Upper
95	100		
174	70.3	0.0	155.6
176	65.8	0.0	153.8

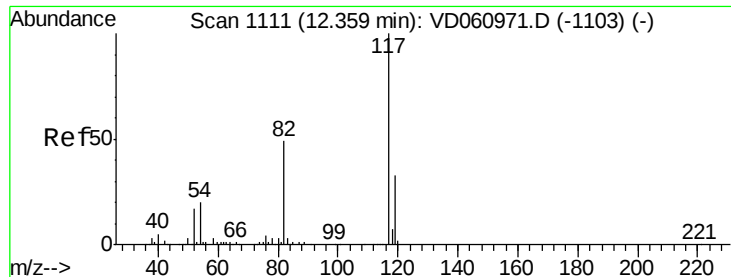


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

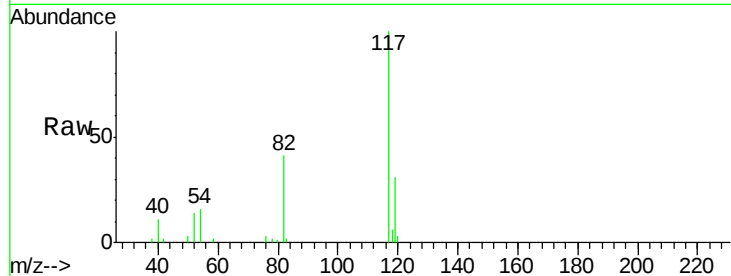
Ion 175.90 (175.60 to 176.60): V



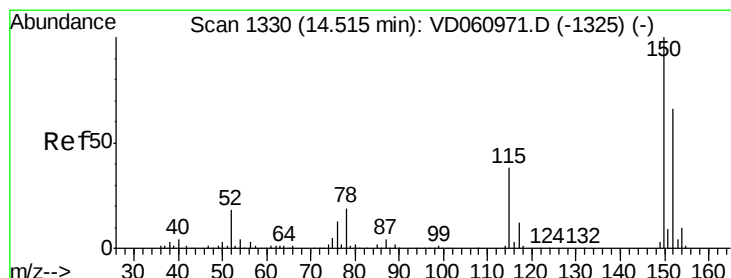
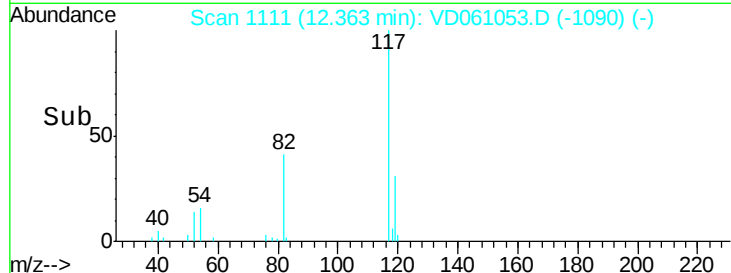
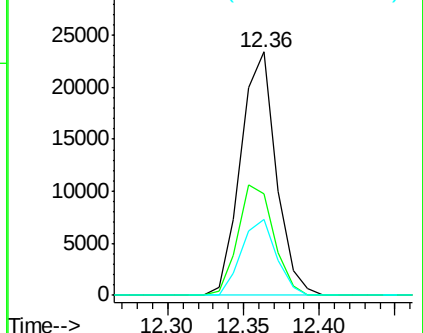


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD061053.D
Acq: 13 Mar 2019 20:16

Tot Ion:117 Resp: 38123
Ion Ratio Lower Upper
117 100
82 41.5 38.9 58.3
119 31.4 26.6 39.8

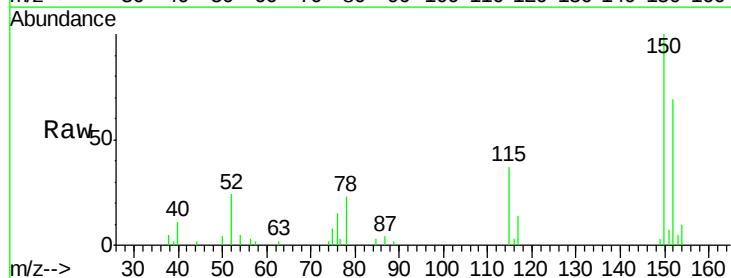


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

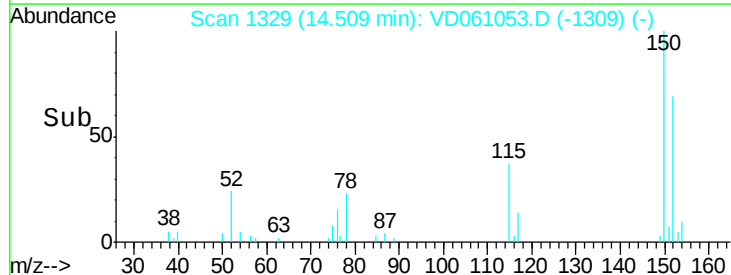
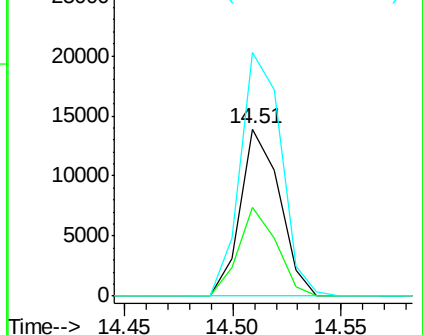


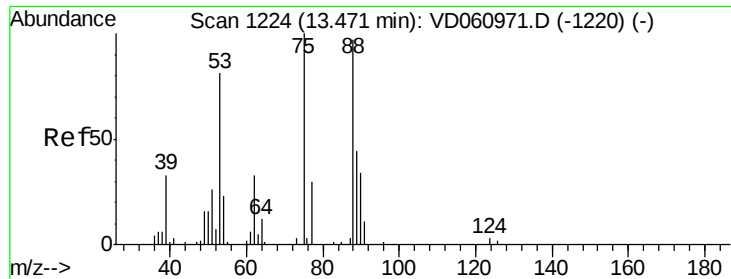
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD061053.D
Acq: 13 Mar 2019 20:16

Tgt Ion:152 Resp: 17496
Ion Ratio Lower Upper
152 100
115 53.3 28.6 85.9
150 145.6 0.0 310.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.737 ug/l
 RT: 13.54 min Scan# 1231
 Delta R.T. 0.07 min
 Lab File: VD061053.D
 Acq: 13 Mar 2019 20:16

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	64.4	96.6#
89	0.0	34.8	52.2#

