

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031319\
 Data File : VD061054.D
 Acq On : 13 Mar 2019 20:44
 Operator : VA/AP
 Sample : K1824-15
 Misc : 5.04g/5ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

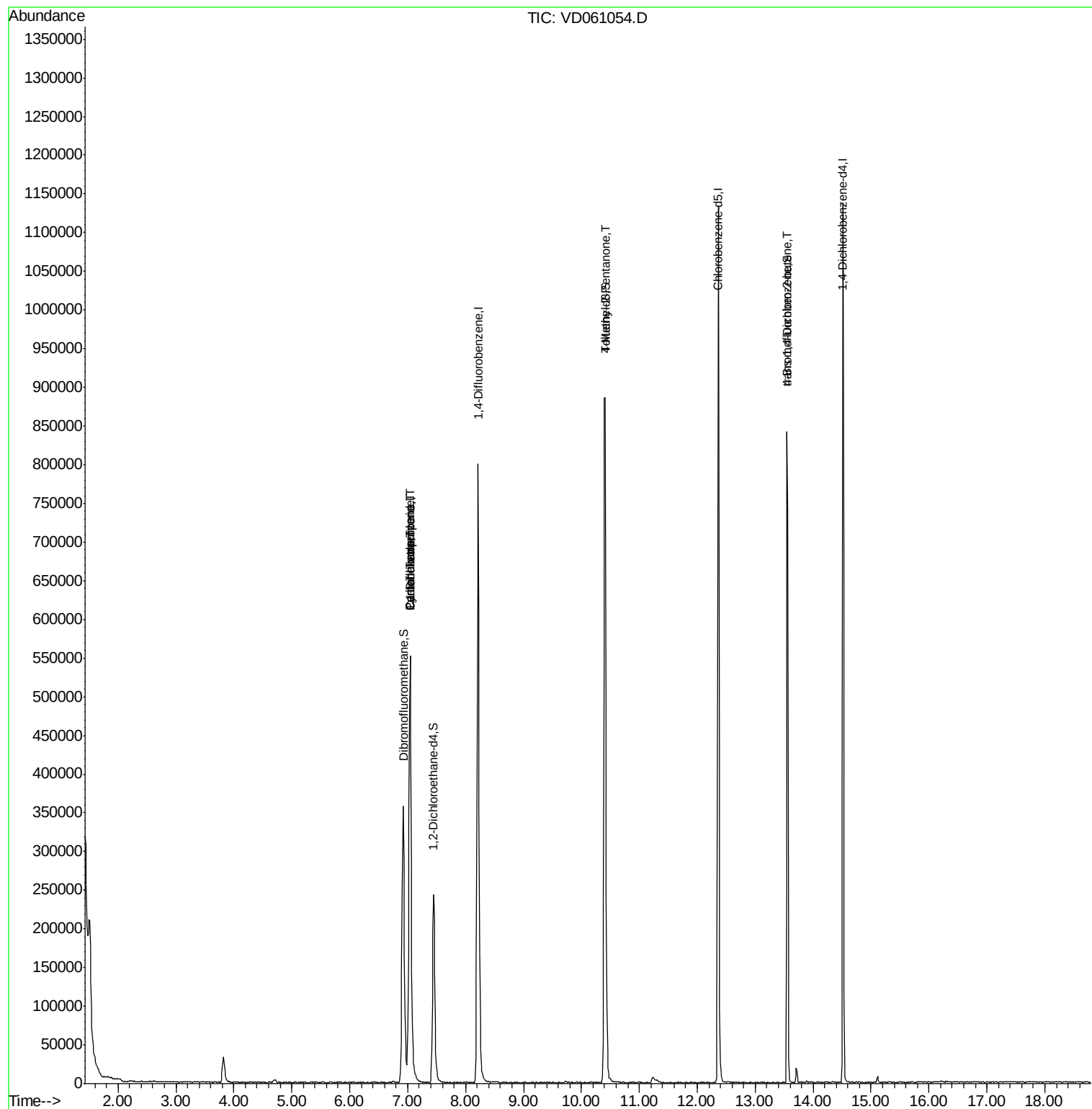
Quant Time: Mar 14 02:03:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

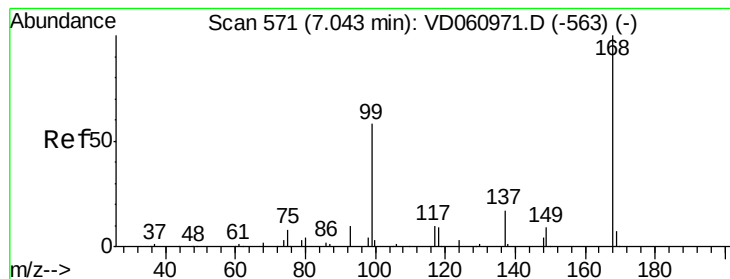
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	559604	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	940509	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	744393	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	246790	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	238675	51.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.48%	
35) Dibromofluoromethane	6.92	113	366640	52.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.06%	
50) Toluene-d8	10.41	98	804050	45.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.74%	
62) 4-Bromofluorobenzene	13.55	95	279608	41.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	82.22%	
Target Compounds						
5) Bromomethane	2.15	94	178	Below Cal	#	8
20) Methylene Chloride	3.82	84	24881	Below Cal		92
31) Cyclohexane	7.03	56	9064	1.100	ug/l #	1
36) 1,1-Dichloropropene	7.03	75	42746	5.273	ug/l #	46
38) Carbon Tetrachloride	7.04	117	54062	6.054	ug/l #	14
51) 4-Methyl-2-Pentanone	10.41	43	3496	1.083	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	104949	100.260	ug/l #	17

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

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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# 571

Delta R.T. -0.00 min

Lab File: VD061054.D

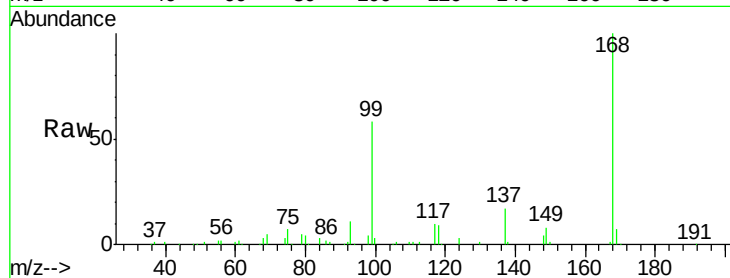
Acq: 13 Mar 2019 20:44

Tot Ion:168 Resp: 559604

Ion Ratio Lower Upper

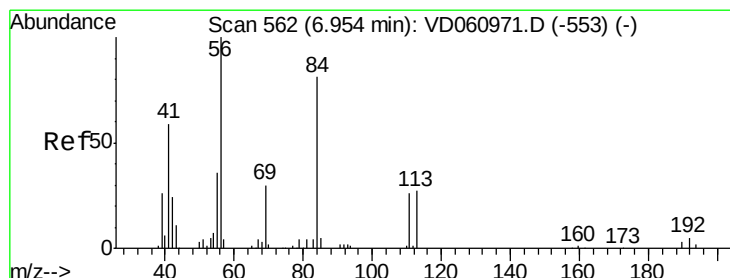
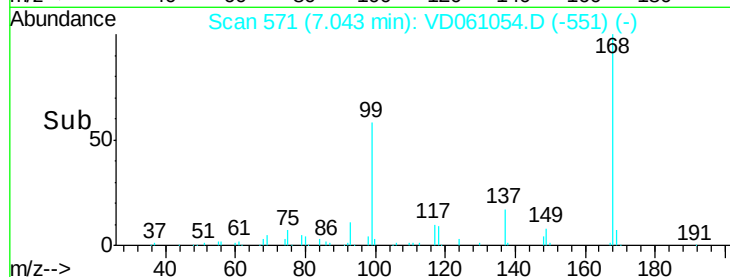
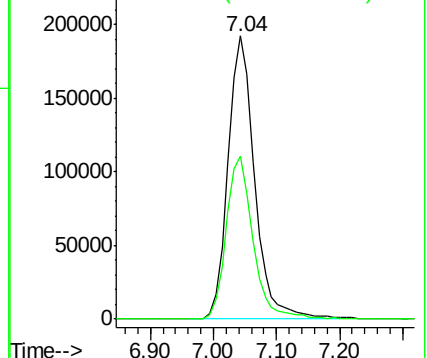
168 100

99 57.7 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#31

Cyclohexane

Concen: 1.100 ug/l

RT: 7.03 min Scan# 570

Delta R.T. 0.08 min

Lab File: VD061054.D

Acq: 13 Mar 2019 20:44

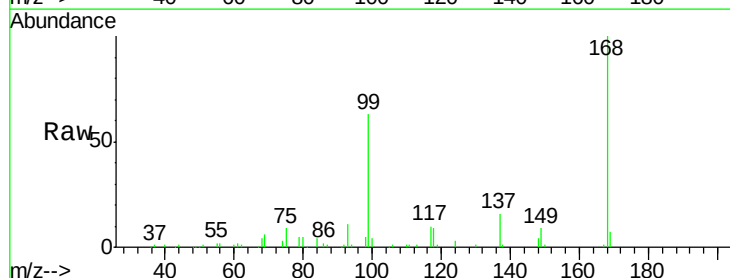
Tgt Ion: 56 Resp: 9064

Ion Ratio Lower Upper

56 100

69 278.7 24.0 36.0#

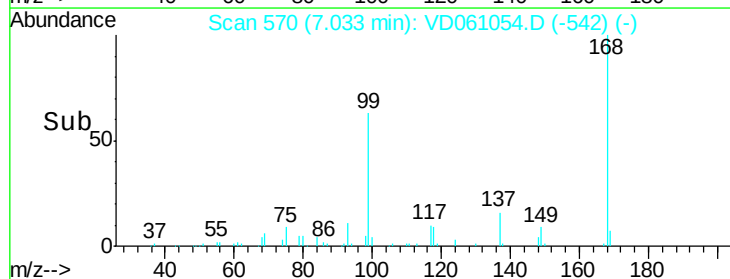
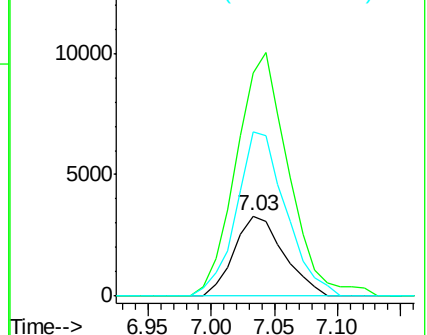
84 204.0 65.8 98.6#

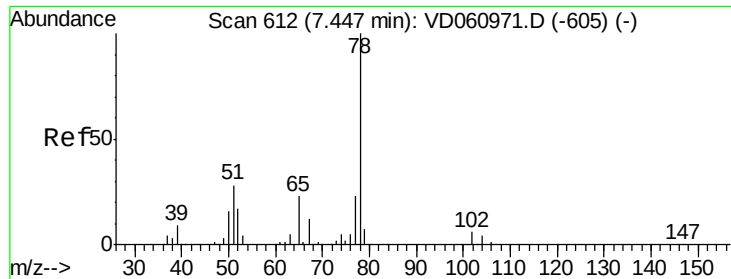


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.00 min

Lab File: VD061054.D

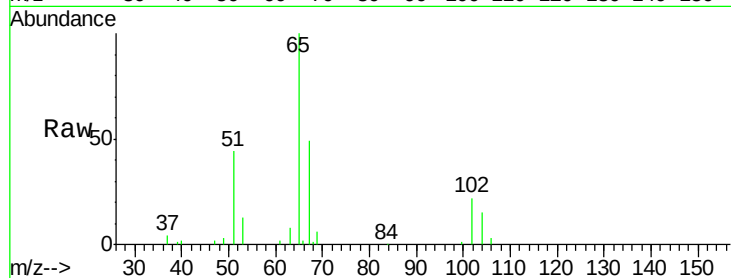
Acq: 13 Mar 2019 20:44

Tot Ion: 65 Resp: 238675

Ion Ratio Lower Upper

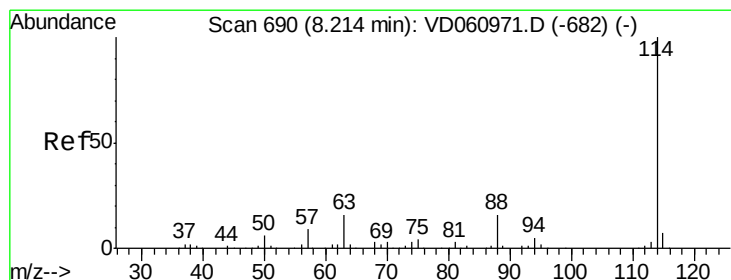
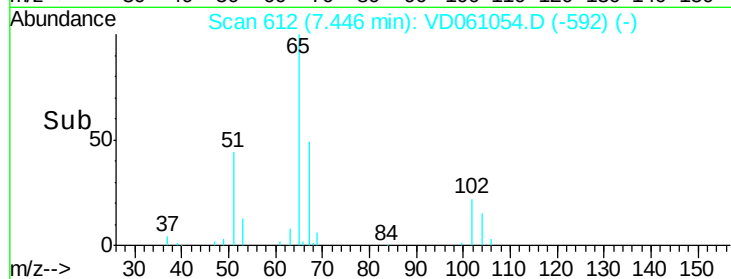
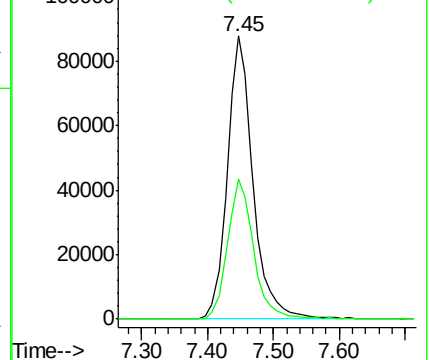
65 100

67 49.4 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# 690

Delta R.T. -0.00 min

Lab File: VD061054.D

Acq: 13 Mar 2019 20:44

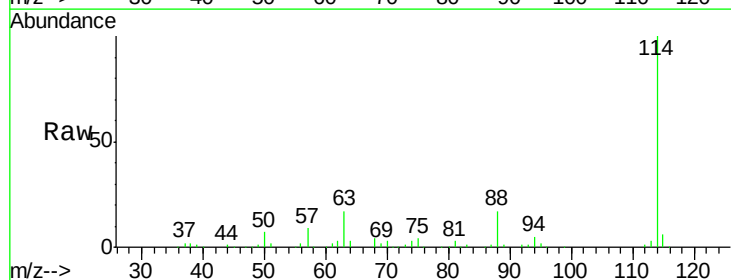
Tgt Ion: 114 Resp: 940509

Ion Ratio Lower Upper

114 100

63 16.8 0.0 31.4

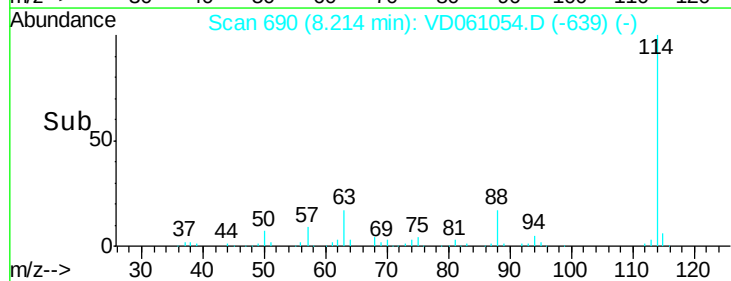
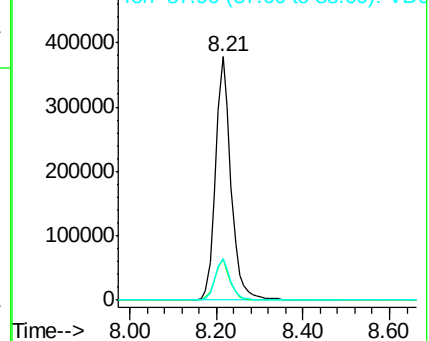
88 16.8 0.0 33.0

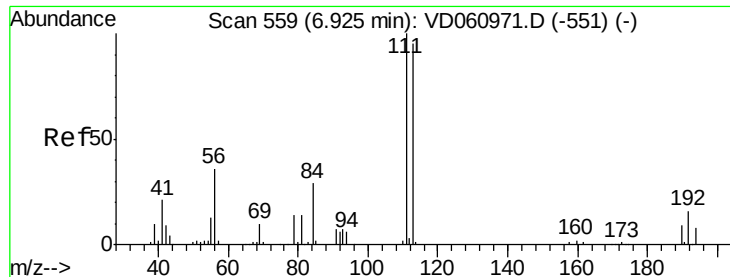


Abundance Ion 114.00 (113.70 to 114.70): V

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: 6.92 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD061054.D

Acq: 13 Mar 2019 20:44

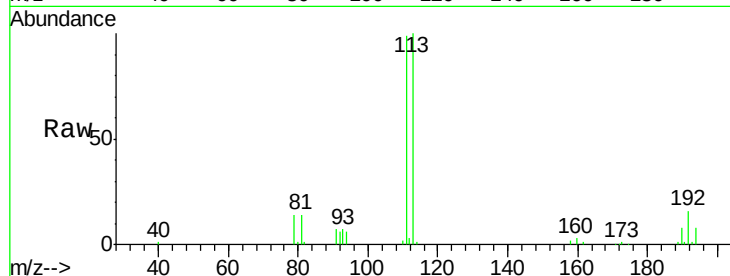
Tot Ion:113 Resp: 366640

Ion Ratio Lower Upper

113 100

111 98.6 84.2 126.4

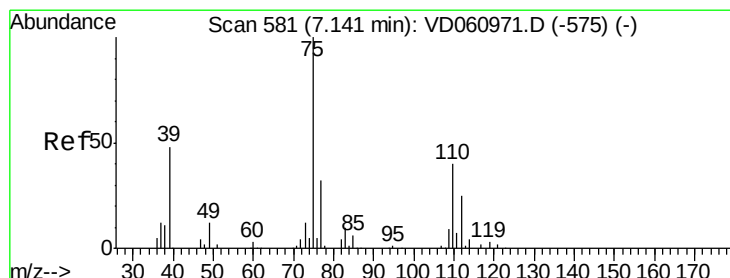
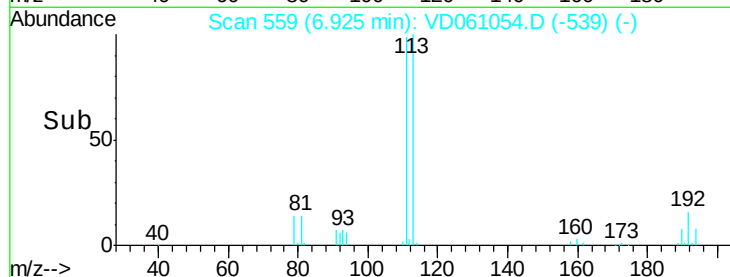
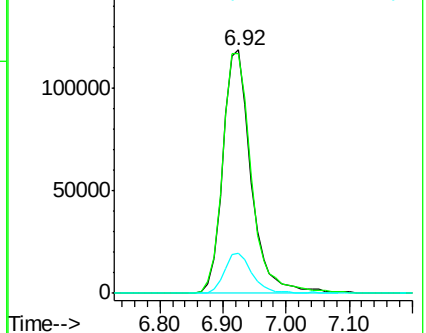
192 16.4 13.1 19.7



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: 5.273 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.11 min

Lab File: VD061054.D

Acq: 13 Mar 2019 20:44

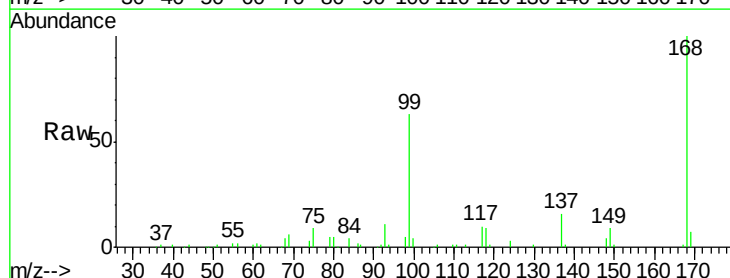
Tgt Ion: 75 Resp: 42746

Ion Ratio Lower Upper

75 100

110 7.9 19.7 59.1#

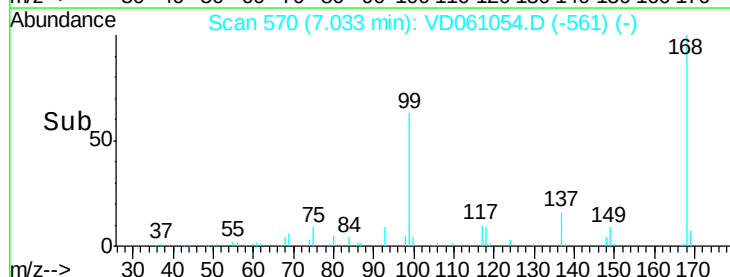
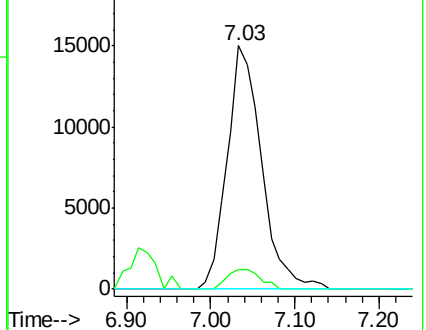
77 0.0 24.7 37.1#

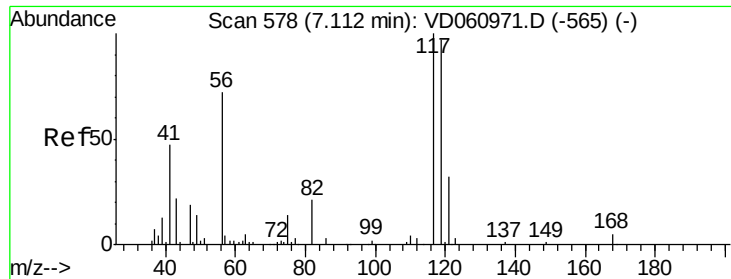


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





#38

Carbon Tetrachloride

Concen: 6.054 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.07 min

Lab File: VD061054.D

Acq: 13 Mar 2019 20:44

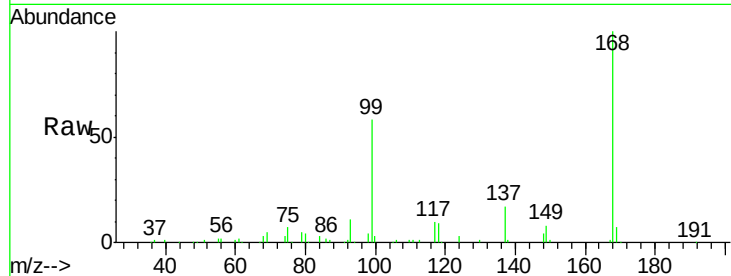
Tot Ion:117 Resp: 54062

Ion Ratio Lower Upper

117 100

119 3.8 77.8 116.8#

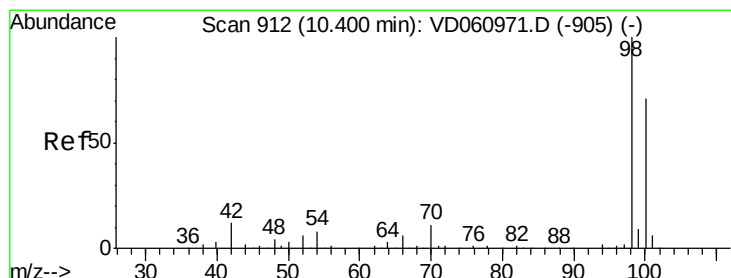
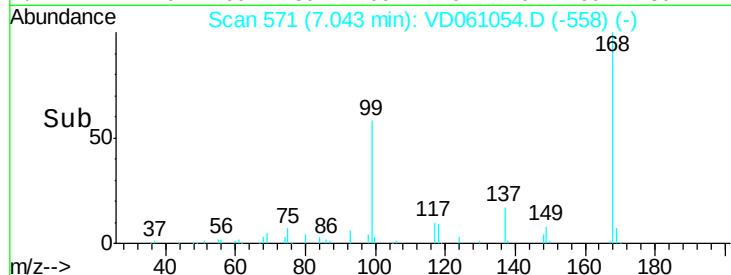
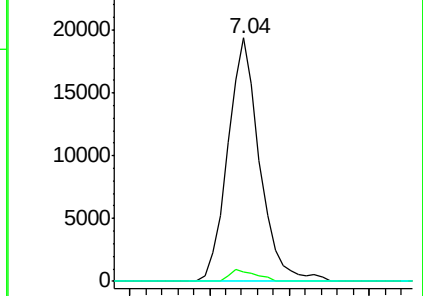
121 0.0 25.3 37.9#



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: 10.41 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD061054.D

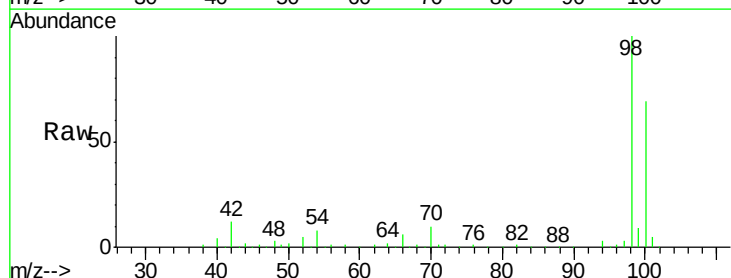
Acq: 13 Mar 2019 20:44

Tgt Ion: 98 Resp: 804050

Ion Ratio Lower Upper

98 100

100 69.5 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

Ion 102.05 (101.75 to 102.75): V

Ion 104.05 (103.75 to 104.75): V

Ion 106.05 (105.75 to 106.75): V

Ion 108.05 (107.75 to 108.75): V

Ion 110.05 (109.75 to 110.75): V

Ion 112.05 (111.75 to 112.75): V

Ion 114.05 (113.75 to 114.75): V

Ion 116.05 (115.75 to 116.75): V

Ion 118.05 (117.75 to 118.75): V

Ion 120.05 (119.75 to 120.75): V

Ion 122.05 (121.75 to 122.75): V

Ion 124.05 (123.75 to 124.75): V

Ion 126.05 (125.75 to 126.75): V

Ion 128.05 (127.75 to 128.75): V

Ion 130.05 (129.75 to 130.75): V

Ion 132.05 (131.75 to 132.75): V

Ion 134.05 (133.75 to 134.75): V

Ion 136.05 (135.75 to 136.75): V

Ion 138.05 (137.75 to 138.75): V

Ion 140.05 (139.75 to 140.75): V

Ion 142.05 (141.75 to 142.75): V

Ion 144.05 (143.75 to 144.75): V

Ion 146.05 (145.75 to 146.75): V

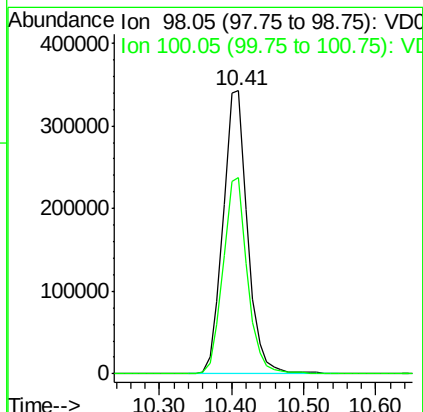
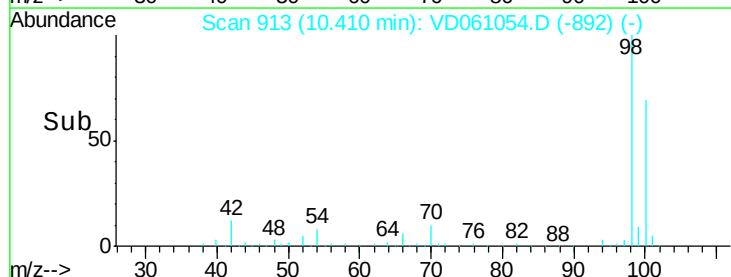
Ion 148.05 (147.75 to 148.75): V

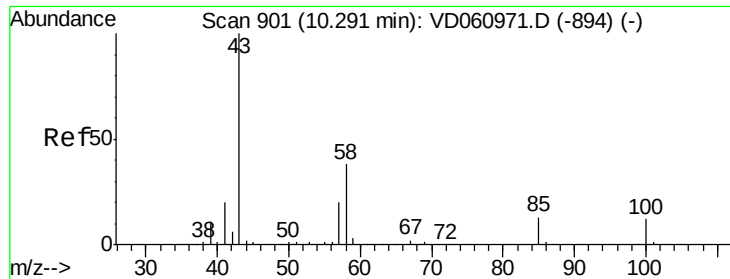
Ion 150.05 (149.75 to 150.75): V

Ion 152.05 (151.75 to 152.75): V

Ion 154.05 (153.75 to 154.75): V

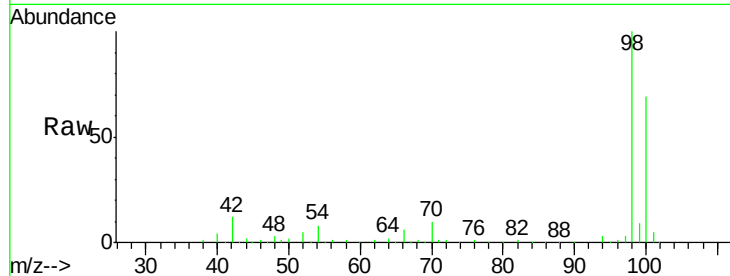
Ion 156.05 (155.75 to 156.75): V



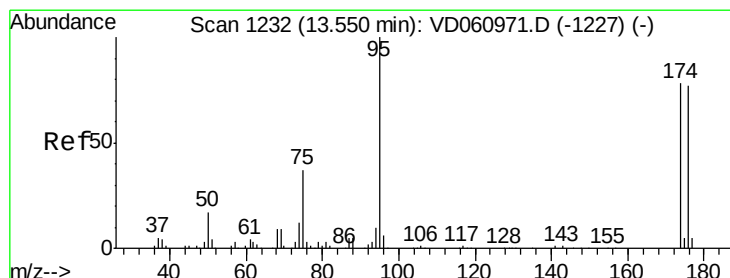
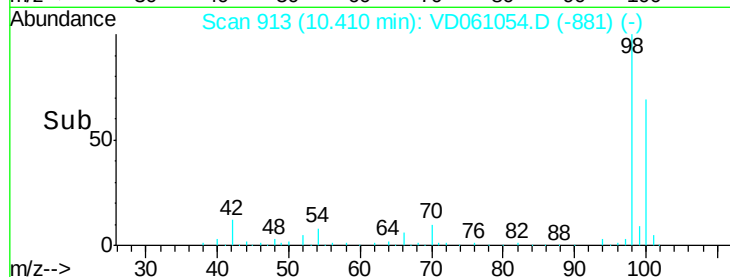
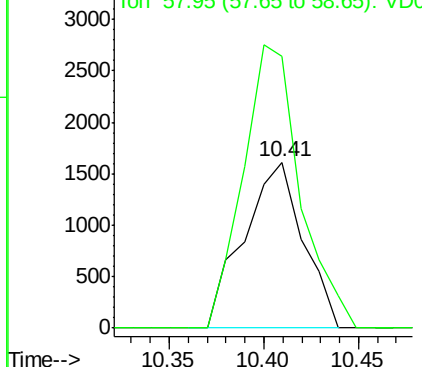


#51
4-Methyl-2-Pentanone
Concen: 1.083 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.12 min
Lab File: VD061054.D
Acq: 13 Mar 2019 20:44

Tot Ion: 43 Resp: 3496
Ion Ratio Lower Upper
43 100
58 164.5 30.2 45.2#

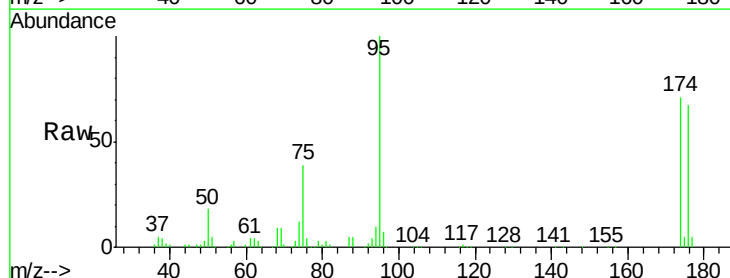


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

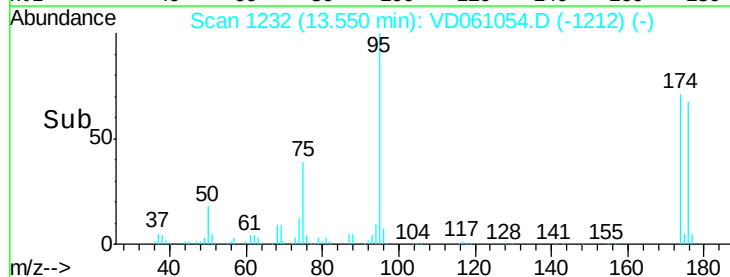
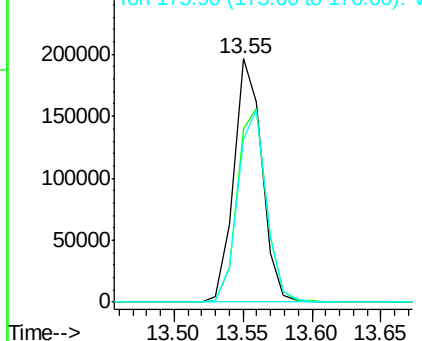


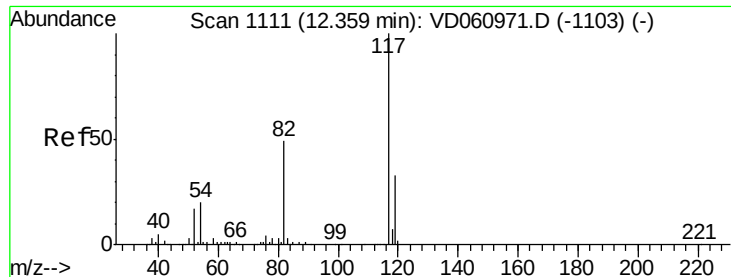
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VD061054.D
Acq: 13 Mar 2019 20:44

Tgt Ion: 95 Resp: 279608
Ion Ratio Lower Upper
95 100
174 71.2 0.0 155.6
176 66.7 0.0 153.8



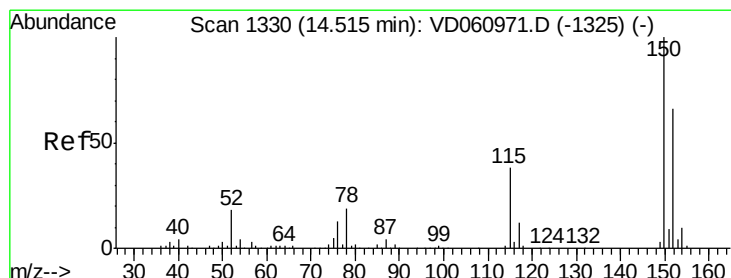
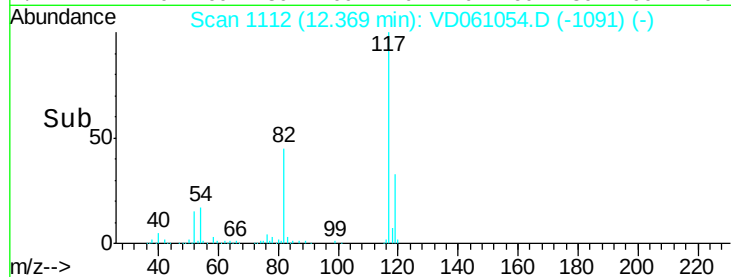
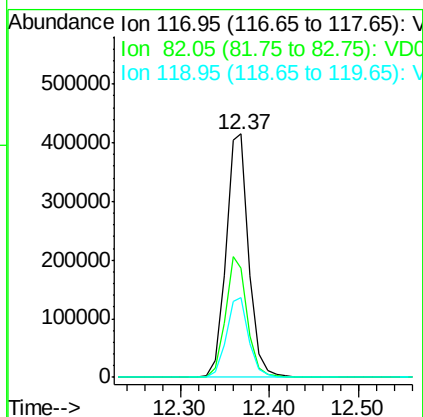
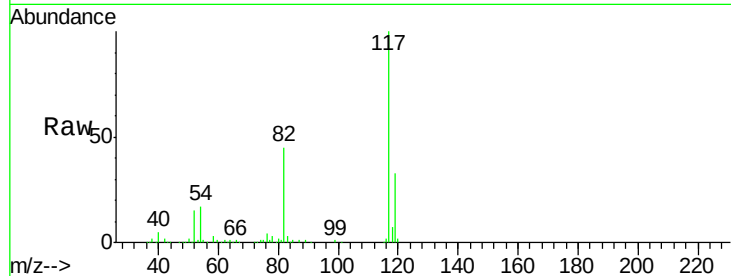
Abundance Ion 95.00 (94.70 to 95.70): VDC
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V





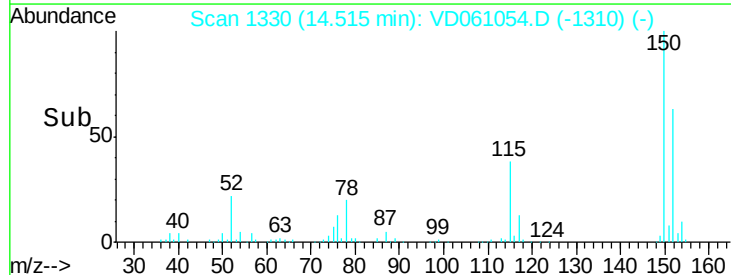
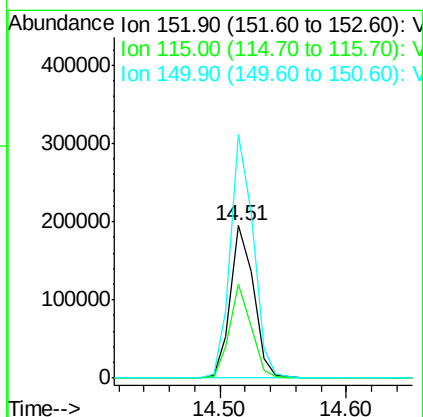
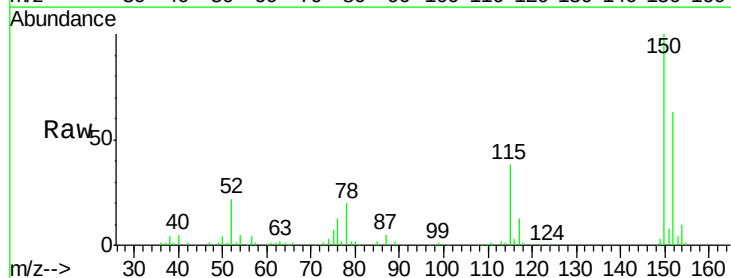
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061054.D
Acq: 13 Mar 2019 20:44

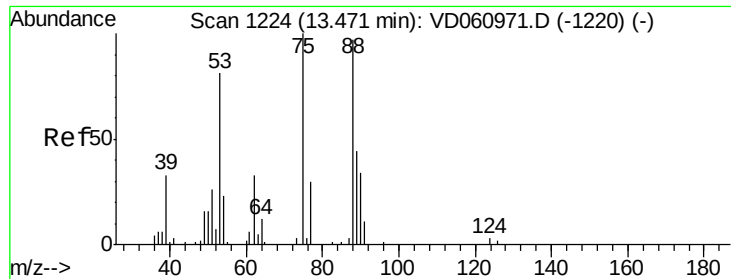
Tot Ion:117 Resp: 744393
Ion Ratio Lower Upper
117 100
82 45.0 38.9 58.3
119 32.8 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD061054.D
Acq: 13 Mar 2019 20:44

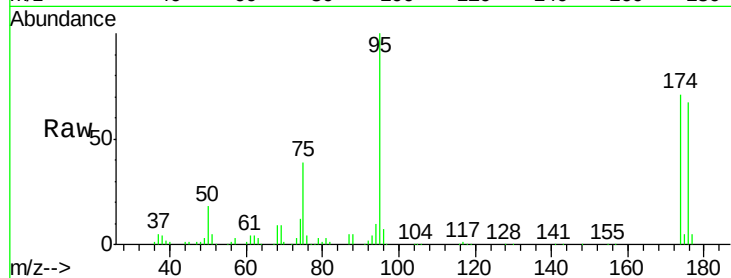
Tgt Ion:152 Resp: 246790
Ion Ratio Lower Upper
152 100
115 61.3 28.6 85.9
150 159.7 0.0 310.6





#81
 trans-1,4-Dichloro-2-butene
 Concen: 100.260 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.08 min
 Lab File: VD061054.D
 Acq: 13 Mar 2019 20:44

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



Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 53.00 (52.70 to 53.70): VDC
 Ion 89.00 (88.70 to 89.70): VDC

