

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040519\
 Data File : VD061632.D
 Acq On : 5 Apr 2019 20:26
 Operator : VA/AP
 Sample : K2240-02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 06 00:29:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

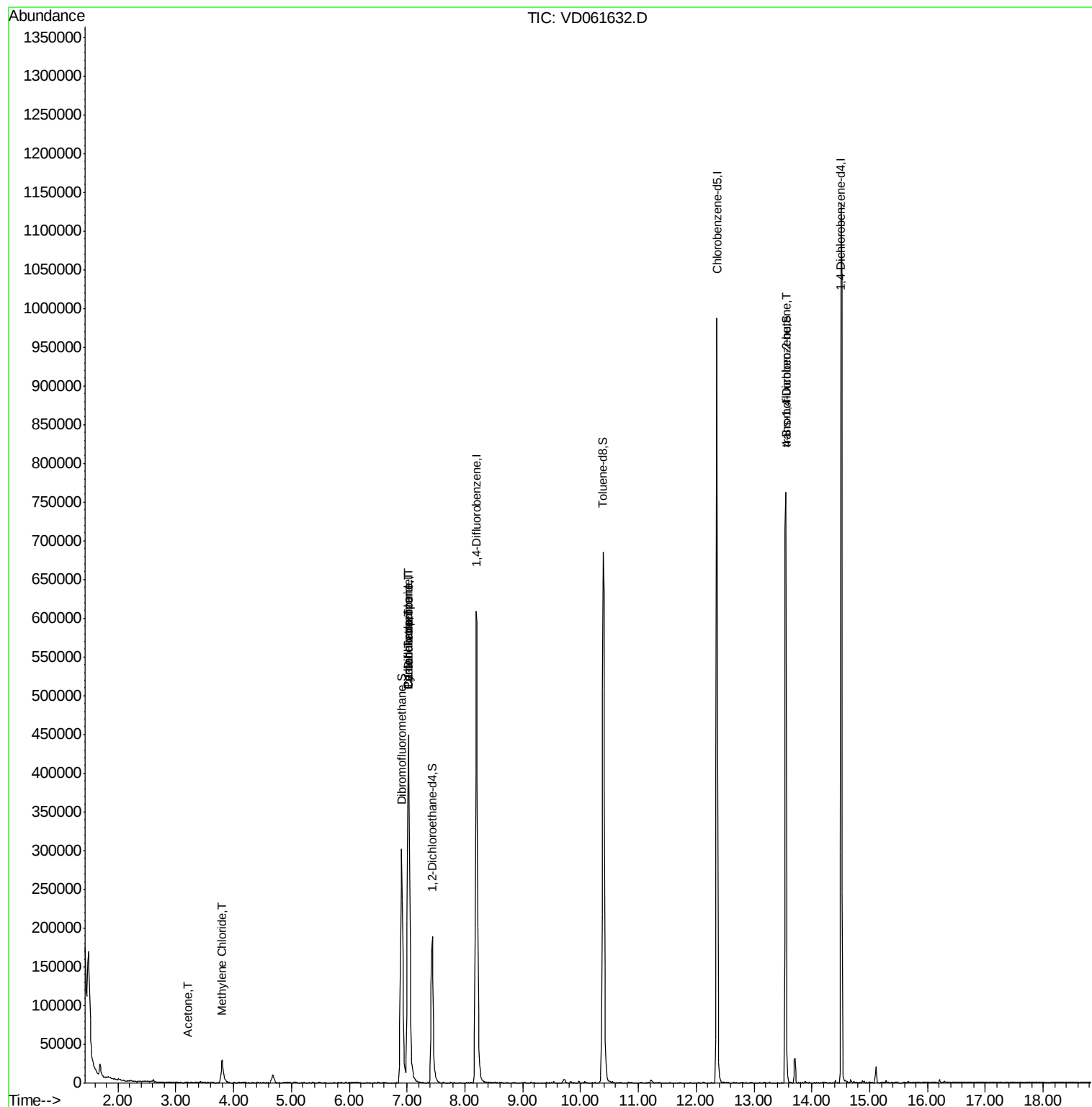
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	471029	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	768658	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.36	117	665774	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	295245	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	185674	46.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.28%	
35) Dibromofluoromethane	6.90	113	279429	47.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.14%	
50) Toluene-d8	10.39	98	629847	44.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.42%	
62) 4-Bromofluorobenzene	13.54	95	259129	47.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.92%	
Target Compounds						
					Qvalue	
16) Acetone	3.20	43	1942	1.877	ug/l #	48
20) Methylene Chloride	3.80	84	23859	2.285	ug/l	90
31) Cyclohexane	7.02	56	7543	1.088	ug/l #	1
36) 1,1-Dichloropropene	7.02	75	35786	5.334	ug/l #	45
38) Carbon Tetrachloride	7.02	117	44732	5.803	ug/l #	14
81) trans-1,4-Dichloro-2-buten	13.54	75	96034	73.851	ug/l #	18

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 569

Delta R.T. 0.01 min

Lab File: VD061632.D

Acq: 5 Apr 2019 20:26

Instrument :

MSVOA_D

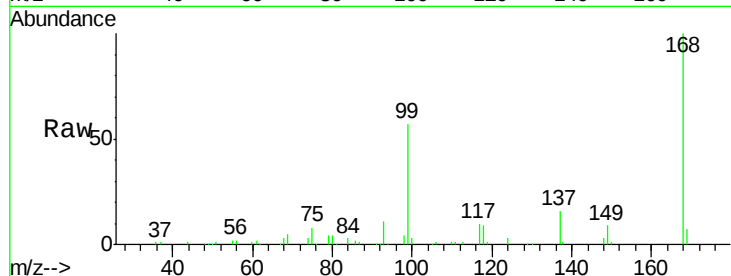
ClientSampleId :

Tot Ion:168 Resp: 471029

Ion Ratio Lower Upper

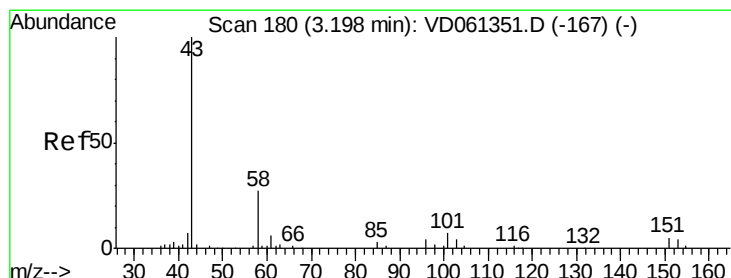
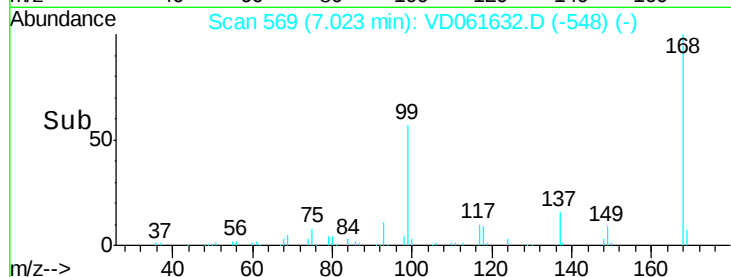
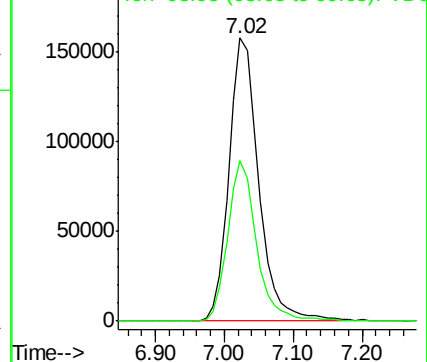
168 100

99 56.8 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 1.877 ug/l

RT: 3.20 min Scan# 181

Delta R.T. 0.01 min

Lab File: VD061632.D

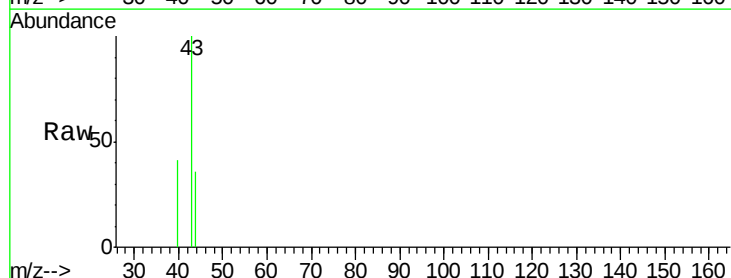
Acq: 5 Apr 2019 20:26

Tgt Ion: 43 Resp: 1942

Ion Ratio Lower Upper

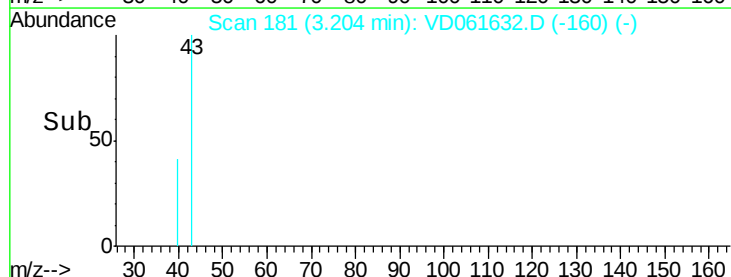
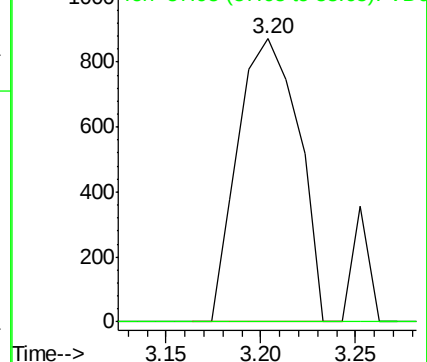
43 100

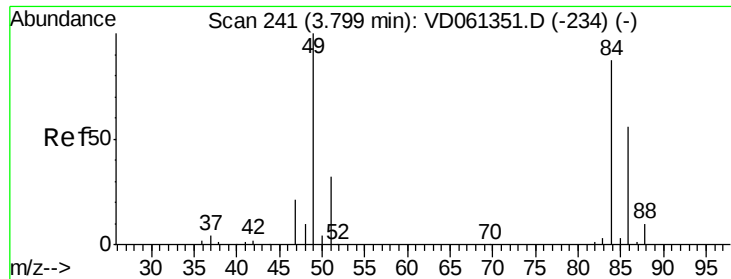
58 0.0 21.5 32.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

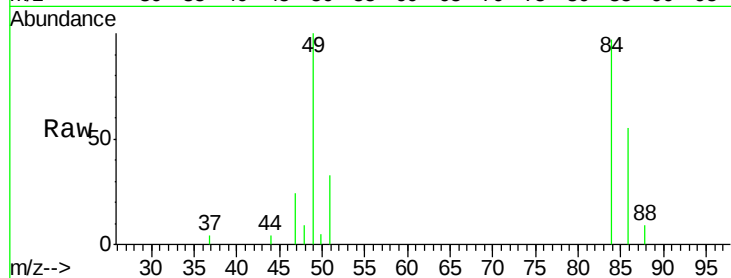




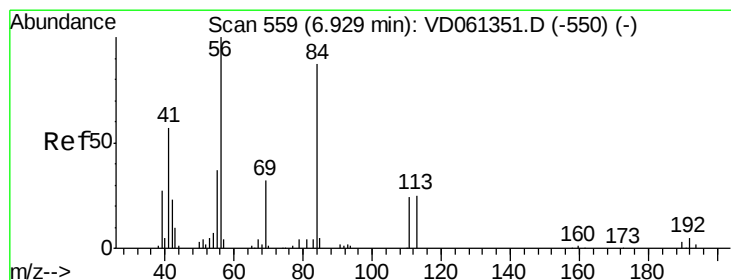
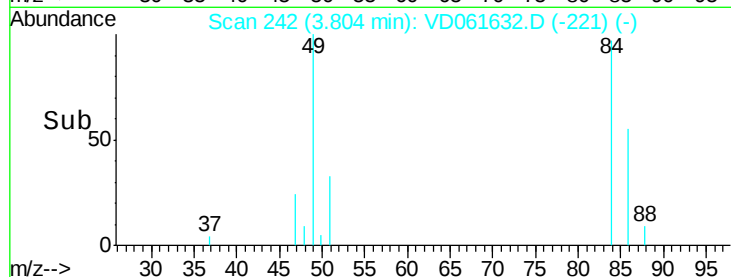
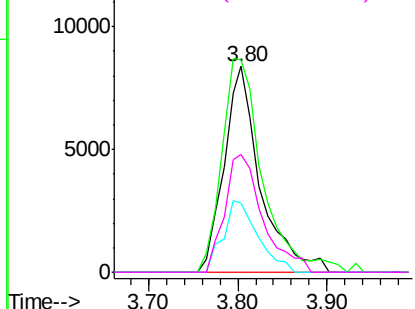
#20
Methvlene Chloride
Concen: 2.285 ug/l
RT: 3.80 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD061632.D
Acq: 5 Apr 2019 20:26

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 84 Resp: 23859
Ion Ratio Lower Upper
84 100
49 103.1 91.8 137.8
51 33.7 29.8 44.8
86 57.2 51.8 77.6

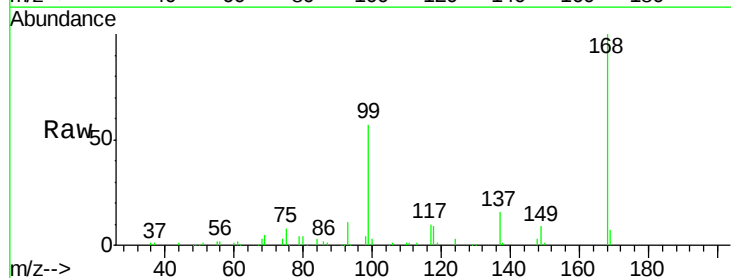


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

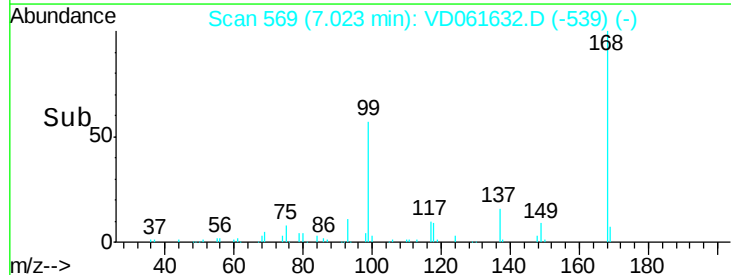
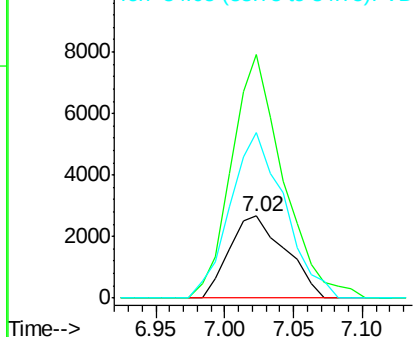


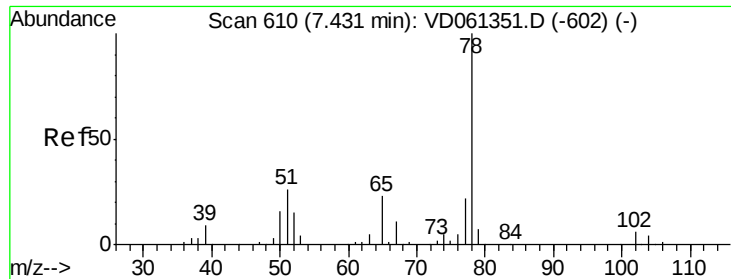
#31
Cyclohexane
Concen: 1.088 ug/l
RT: 7.02 min Scan# 569
Delta R.T. 0.09 min
Lab File: VD061632.D
Acq: 5 Apr 2019 20:26

Tgt Ion: 56 Resp: 7543
Ion Ratio Lower Upper
56 100
69 296.6 25.7 38.5#
84 201.8 70.6 105.8#



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

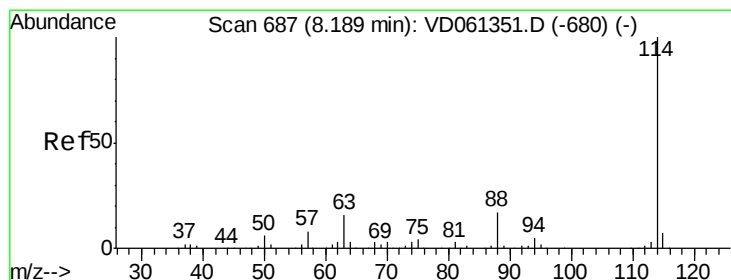
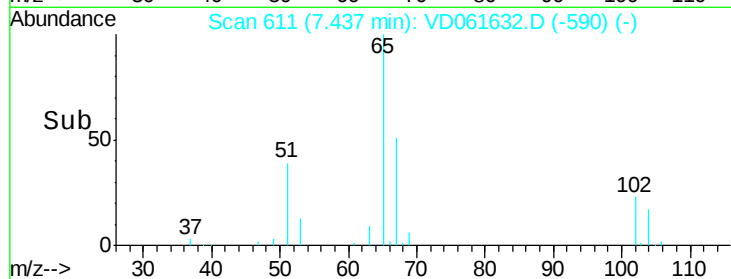
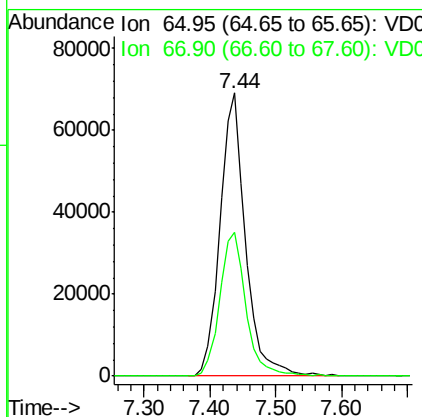
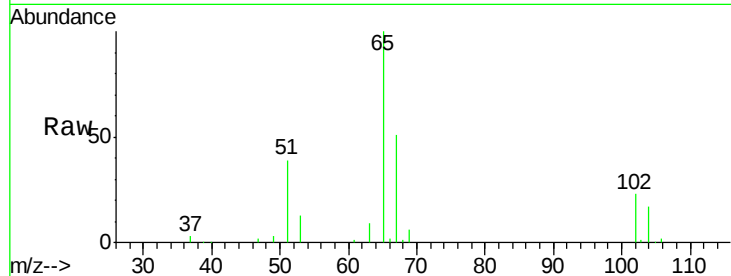




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. 0.01 min
 Lab File: VD061632.D
 Acq: 5 Apr 2019 20:26

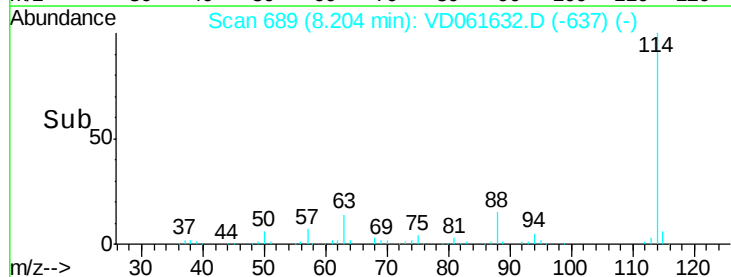
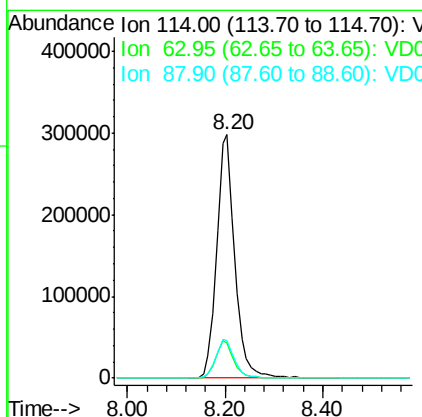
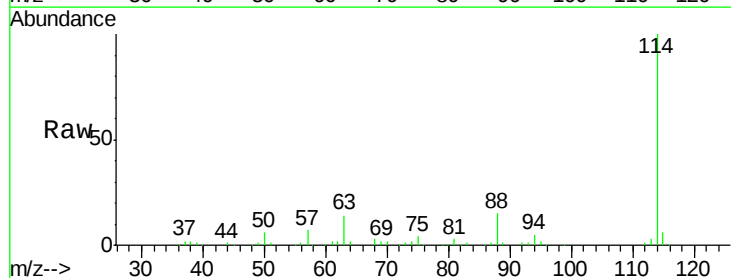
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 65 Resp: 185674
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 689
 Delta R.T. 0.02 min
 Lab File: VD061632.D
 Acq: 5 Apr 2019 20:26

Tgt Ion: 114 Resp: 768658
 Ion Ratio Lower Upper
 114 100
 63 14.3 0.0 31.6
 88 15.4 0.0 33.4





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.90 min Scan# 557

Delta R.T. 0.01 min

Lab File: VD061632.D

Acq: 5 Apr 2019 20:26

Instrument :
MSVOA_D
ClientSampleId :

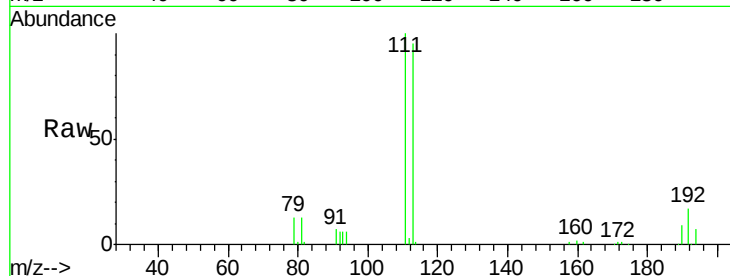
Tot Ion:113 Resp: 279429

Ion Ratio Lower Upper

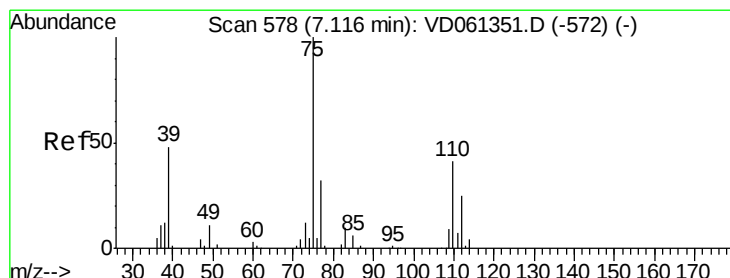
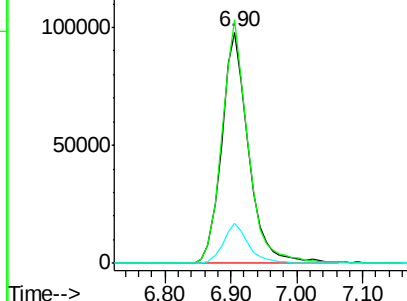
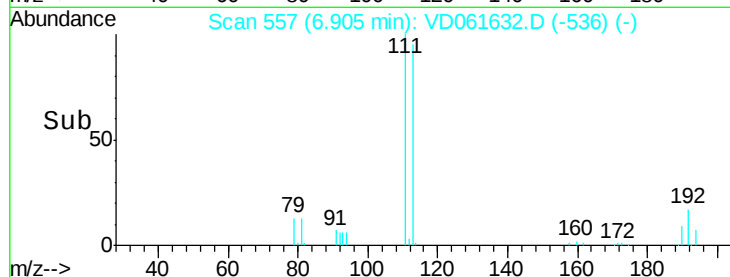
113 100

111 105.4 81.0 121.6

192 17.5 14.4 21.6



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: 5.334 ug/l

RT: 7.02 min Scan# 569

Delta R.T. -0.09 min

Lab File: VD061632.D

Acq: 5 Apr 2019 20:26

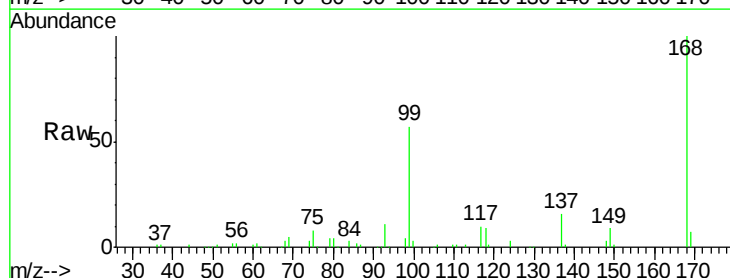
Tgt Ion: 75 Resp: 35786

Ion Ratio Lower Upper

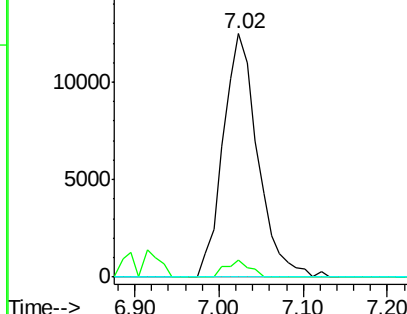
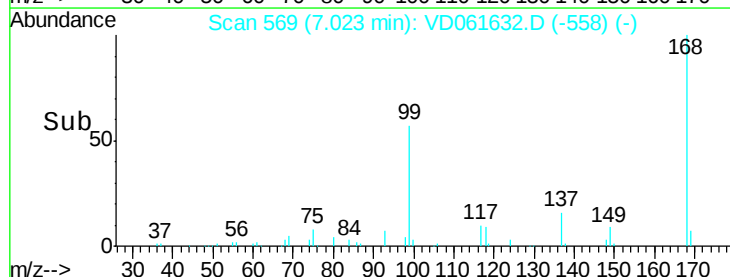
75 100

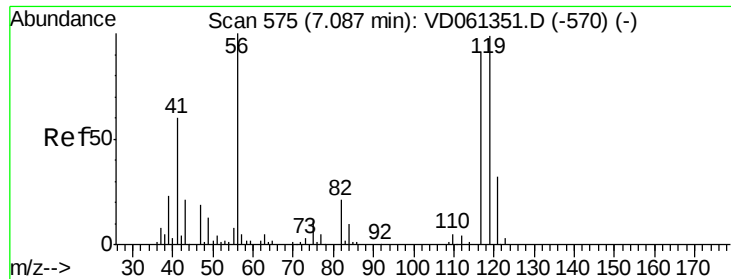
110 7.0 20.4 61.3#

77 0.0 24.9 37.3#



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

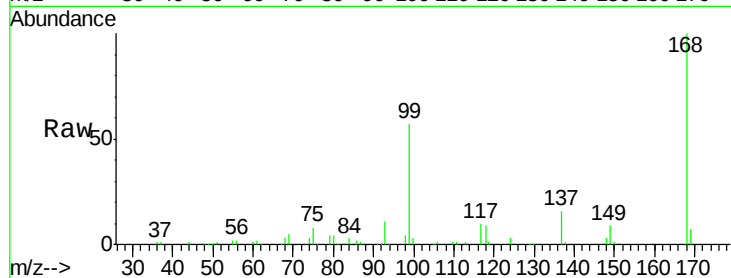




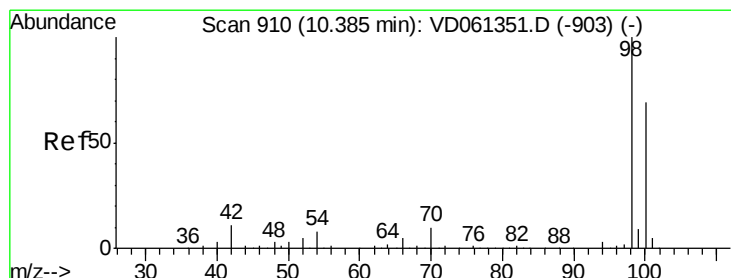
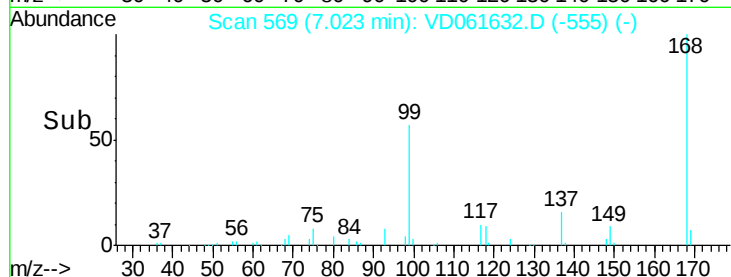
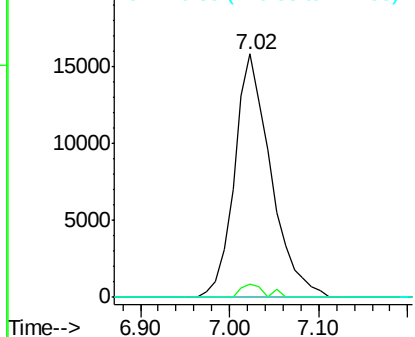
#38
Carbon Tetrachloride
Concen: 5.803 ug/l
RT: 7.02 min Scan# 569
Delta R.T. -0.06 min
Lab File: VD061632.D
Acq: 5 Apr 2019 20:26

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 44732
Ion Ratio Lower Upper
117 100
119 5.2 80.1 120.1#
121 0.0 25.6 38.4#

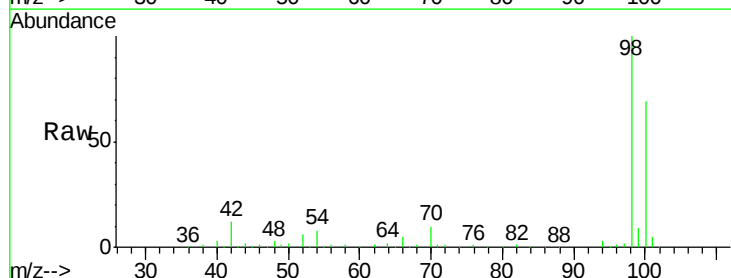


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

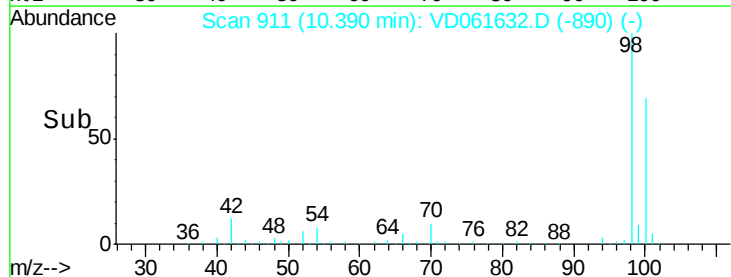
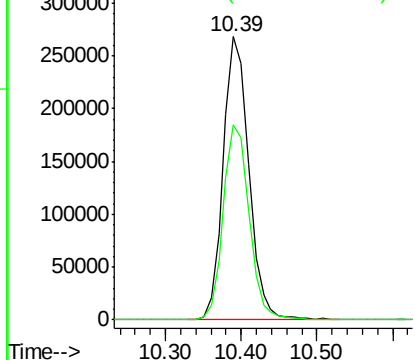


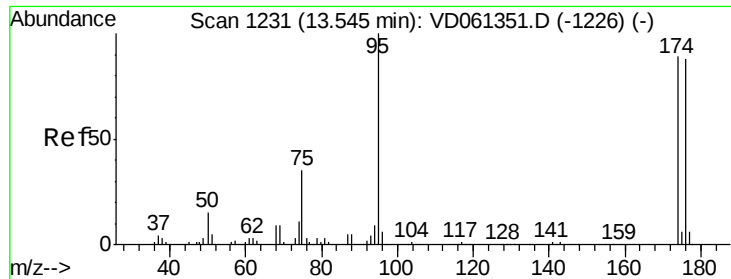
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.39 min Scan# 911
Delta R.T. 0.01 min
Lab File: VD061632.D
Acq: 5 Apr 2019 20:26

Tgt Ion: 98 Resp: 629847
Ion Ratio Lower Upper
98 100
100 68.7 56.2 84.2



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





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.54 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VD061632.D

Acq: 5 Apr 2019 20:26

Instrument :

MSVOA_D

ClientSampleId :

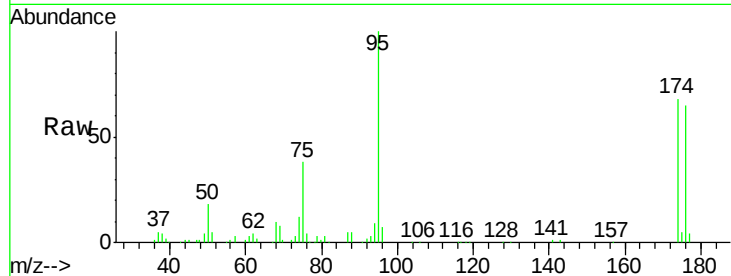
Tot Ion: 95 Resp: 259129

Ion Ratio Lower Upper

95 100

174 67.6 0.0 178.0

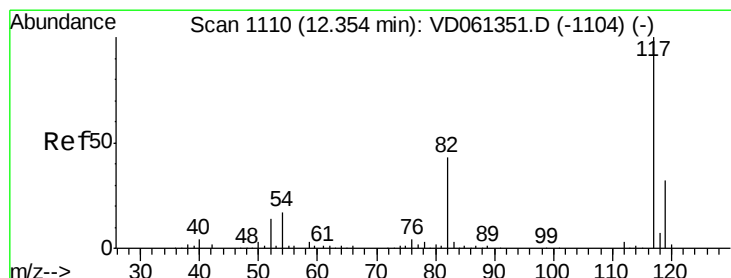
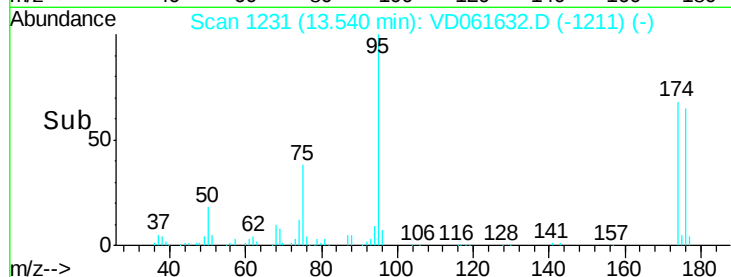
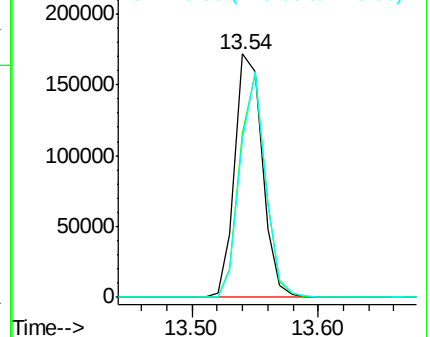
176 64.9 0.0 175.0



Abundance Ion 95.00 (94.70 to 95.70): V

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. 0.01 min

Lab File: VD061632.D

Acq: 5 Apr 2019 20:26

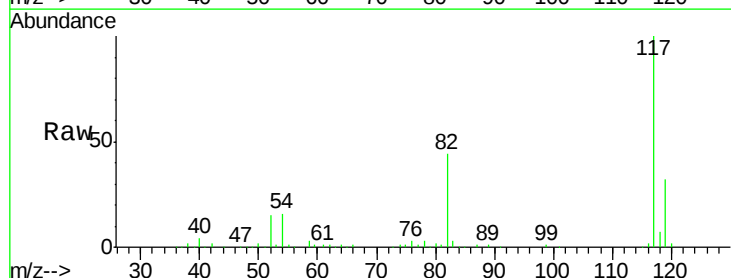
Tgt Ion: 117 Resp: 665774

Ion Ratio Lower Upper

117 100

82 44.0 34.4 51.6

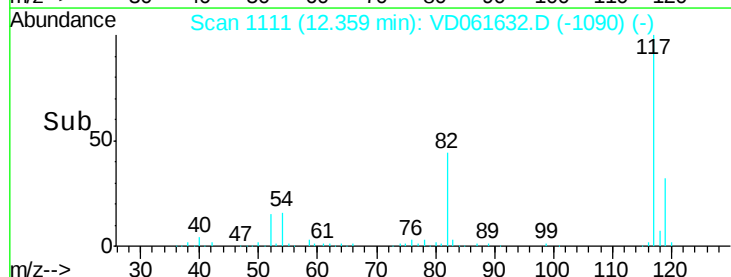
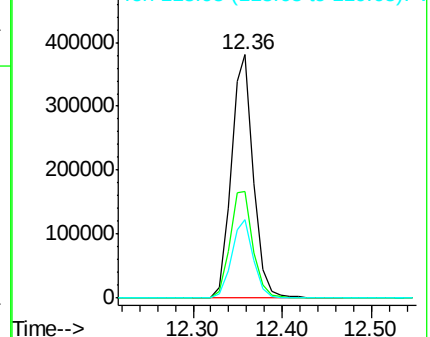
119 32.4 25.8 38.6

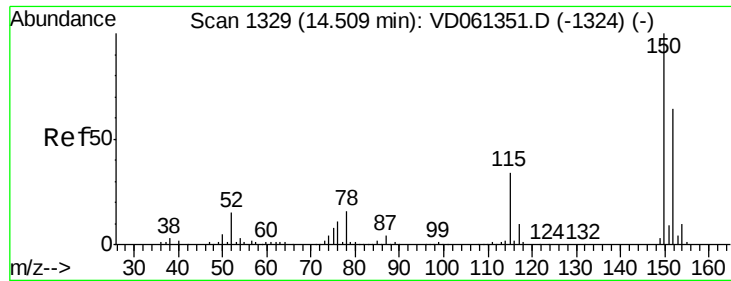


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



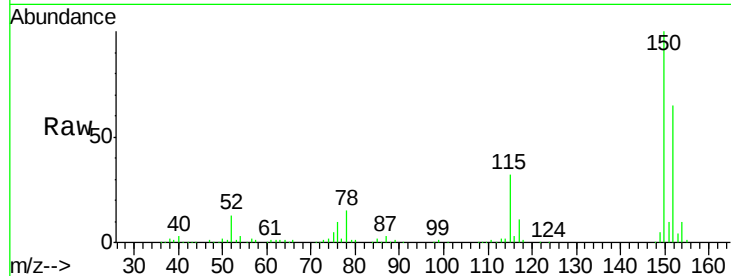


#72

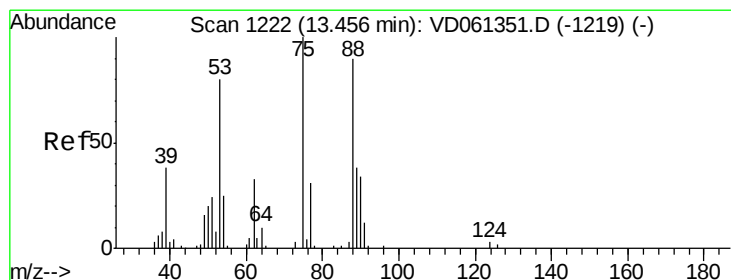
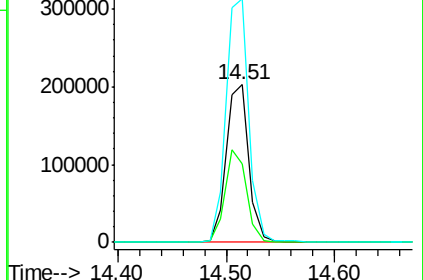
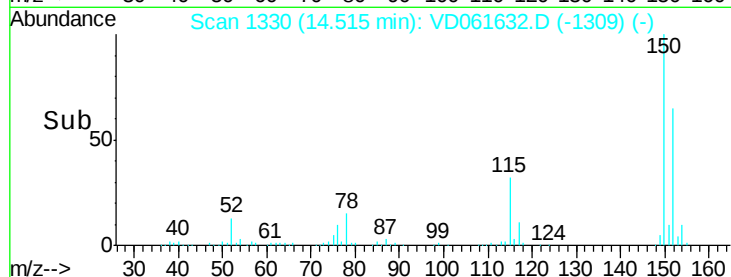
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. 0.01 min
Lab File: VD061632.D
Acq: 5 Apr 2019 20:26

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:152 Resp: 295245
Ion Ratio Lower Upper
152 100
115 49.7 26.9 80.6
150 154.3 0.0 318.0



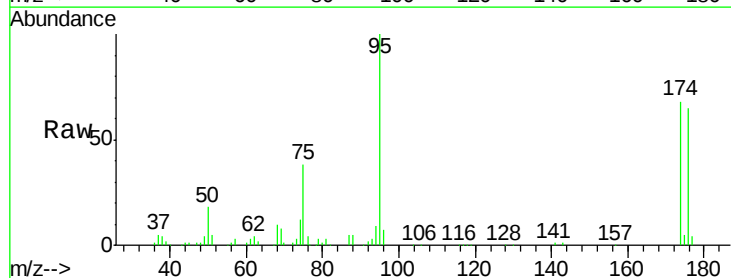
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 73.851 ug/l
RT: 13.54 min Scan# 1231
Delta R.T. 0.08 min
Lab File: VD061632.D
Acq: 5 Apr 2019 20:26

Tgt Ion: 75 Resp: 96034
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.8#
89 0.0 30.5 45.7#



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

