

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122018\
 Data File : VD060666.D
 Acq On : 20 Dec 2018 18:52
 Operator : VA/AP
 Sample : J6481-04
 Misc : 5.03g/5ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HOUSE-WALL

Quant Time: Dec 21 03:40:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 03:34:39 2018
 Response via : Initial Calibration

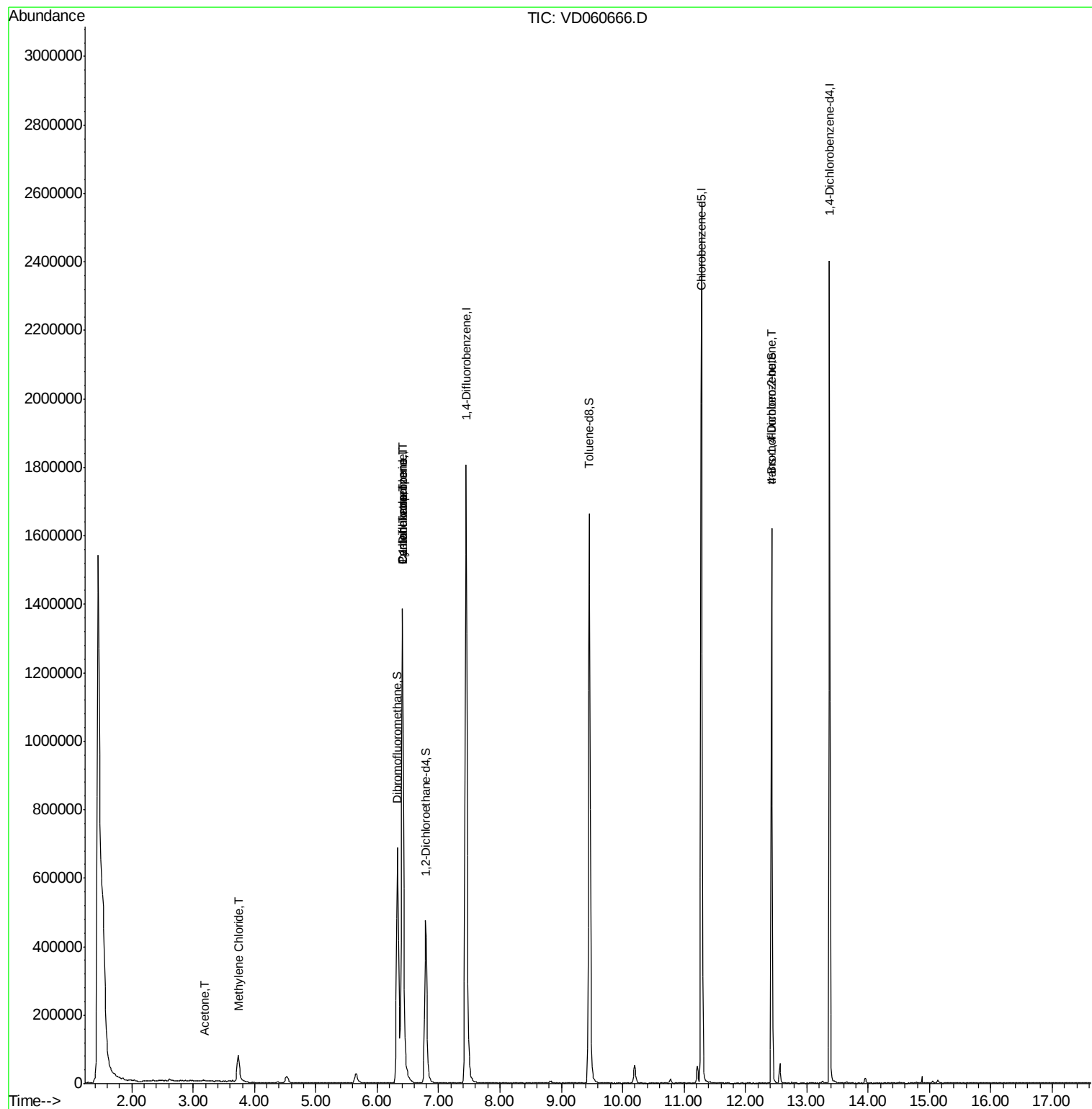
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1415133	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	1895411	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1373749	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	527588	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.79	65	390782	39.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	79.92%	
35) Dibromofluoromethane	6.33	113	544743	39.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	78.54%	
50) Toluene-d8	9.45	98	1361089	32.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	65.76%	
62) 4-Bromofluorobenzene	12.43	95	431234	29.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	59.50%	
Target Compounds						
					Qvalue	
16) Acetone	3.19	43	4868	2.850	ug/l #	53
20) Methylene Chloride	3.74	84	52038	2.934	ug/l	98
31) Cyclohexane	6.40	56	26796	1.085	ug/l #	1
36) 1,1-Dichloropropene	6.40	75	96895	4.965	ug/l #	47
38) Carbon Tetrachloride	6.41	117	111073	6.451	ug/l #	15
81) trans-1,4-Dichloro-2-buten	12.43	75	174898	105.377	ug/l #	13

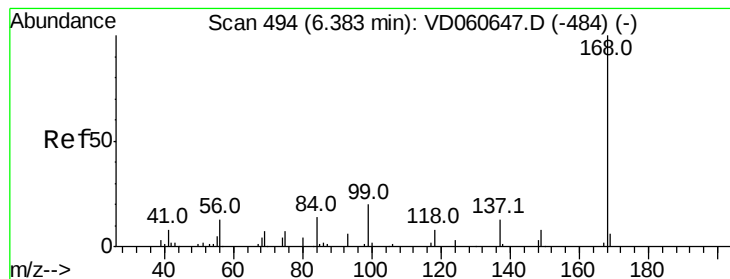
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 21 03:34:39 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 527

Delta R.T. 0.01 min

Lab File: VD060666.D

Acq: 20 Dec 2018 18:52

Instrument :

MSVOA_D

ClientSampleId :

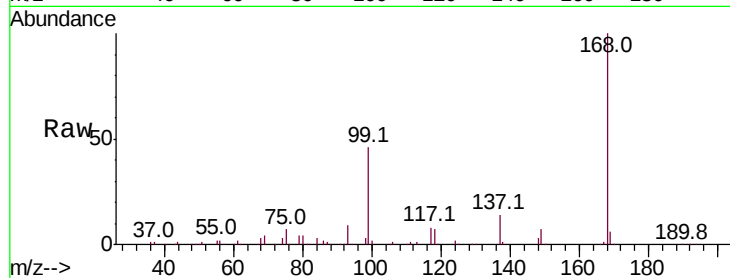
HOUSE-WALL

Tot Ion:168 Resp: 1415133

Ion Ratio Lower Upper

168 100

99 45.7 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.41

500000

400000

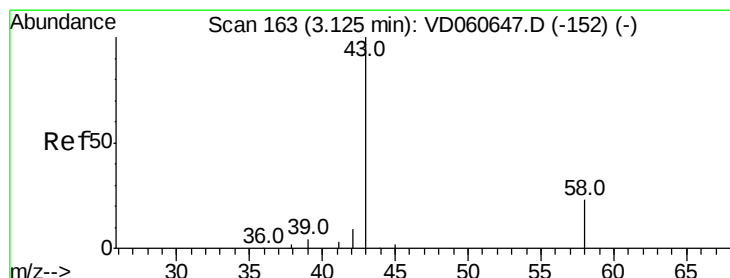
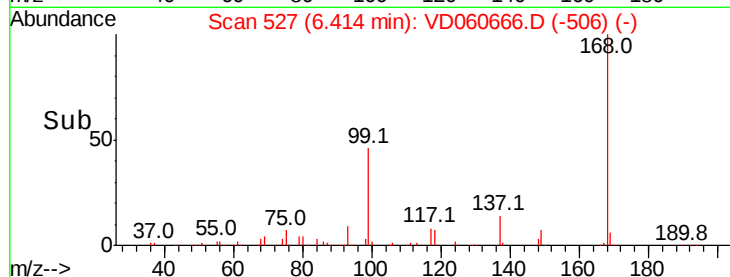
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 2.850 ug/l

RT: 3.19 min Scan# 199

Delta R.T. 0.02 min

Lab File: VD060666.D

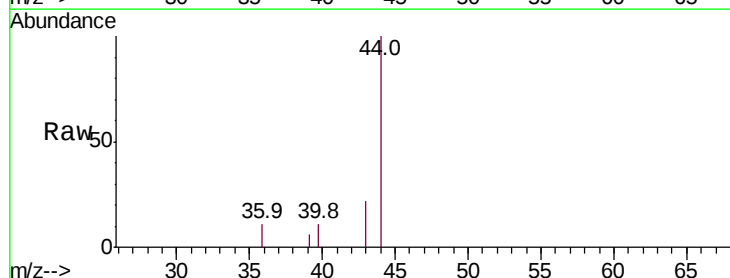
Acq: 20 Dec 2018 18:52

Tgt Ion: 43 Resp: 4868

Ion Ratio Lower Upper

43 100

58 0.0 18.2 27.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

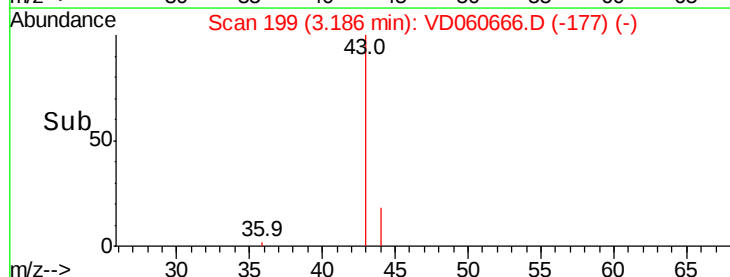
1500

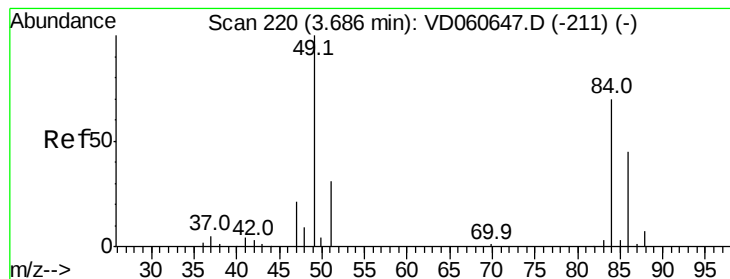
1000

500

0

Time-->





#20

Methvlene Chloride

Concen: 2.934 ug/l

RT: 3.74 min Scan# 255

Delta R.T. 0.01 min

Lab File: VD060666.D

Acq: 20 Dec 2018 18:52

Instrument :

MSVOA_D

ClientSampleId :

HOUSE-WALL

Tot Ion: 84 Resp: 52038

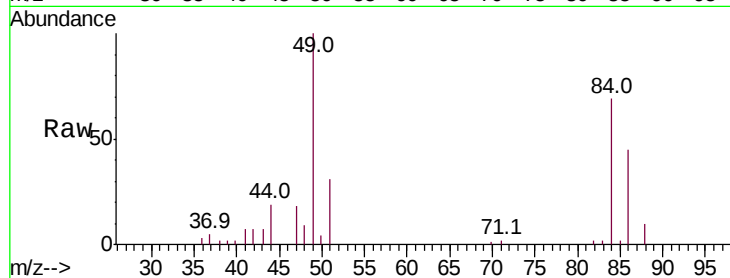
Ion Ratio Lower Upper

84 100

49 145.4 113.6 170.4

51 45.1 34.7 52.1

86 65.0 52.8 79.2

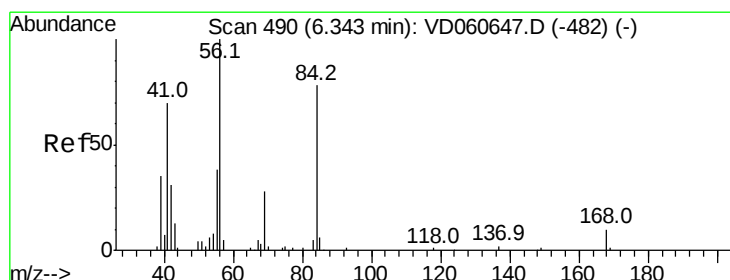
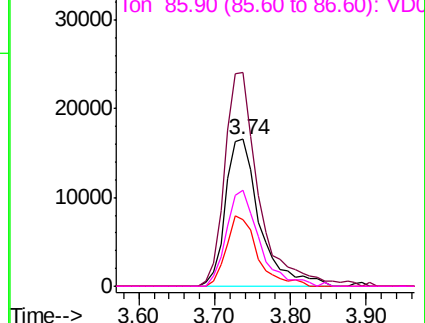
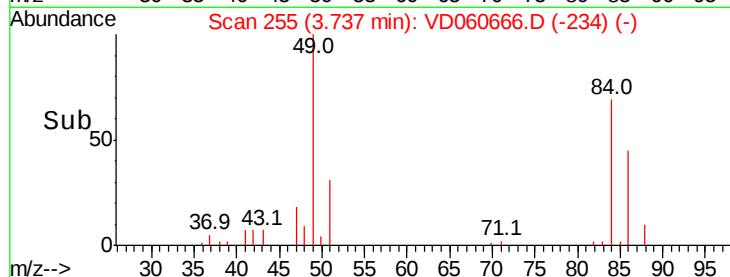


Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 1.085 ug/l

RT: 6.40 min Scan# 526

Delta R.T. 0.04 min

Lab File: VD060666.D

Acq: 20 Dec 2018 18:52

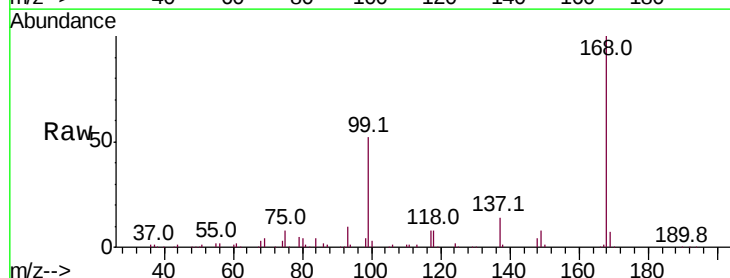
Tgt Ion: 56 Resp: 26796

Ion Ratio Lower Upper

56 100

69 202.8 23.6 35.4#

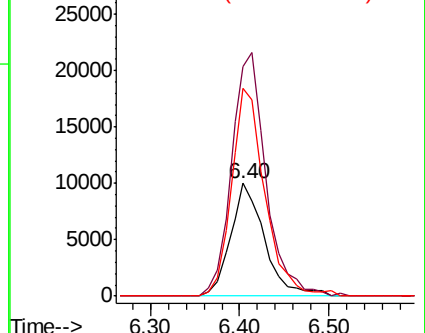
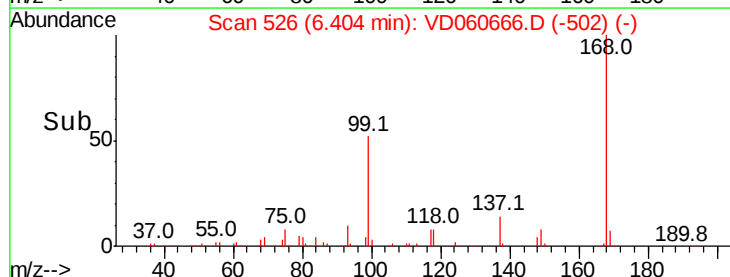
84 183.6 65.8 98.6#

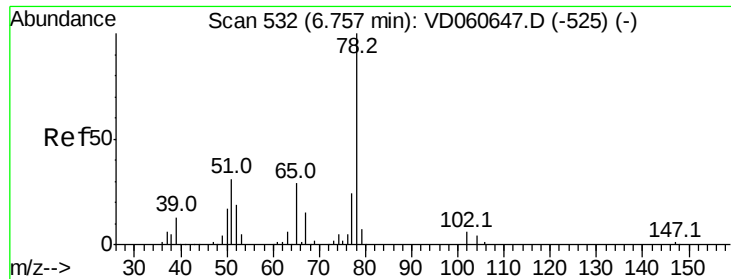


Abundance Ion 55.95 (55.65 to 56.65): VDC

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: 6.79 min Scan# 565

Delta R.T. -0.00 min

Lab File: VD060666.D

Acq: 20 Dec 2018 18:52

Instrument :

MSVOA_D

ClientSampleId :

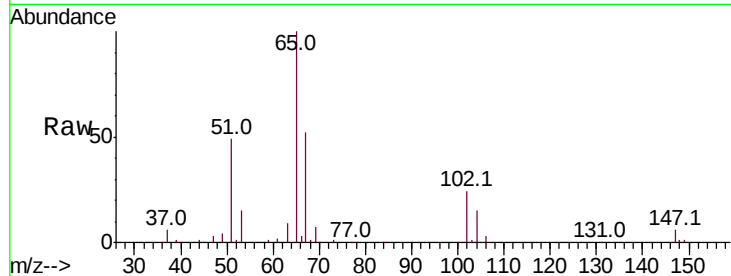
HOUSE-WALL

Tot Ion: 65 Resp: 390782

Ion Ratio Lower Upper

65 100

67 52.1 0.0 105.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.79

150000

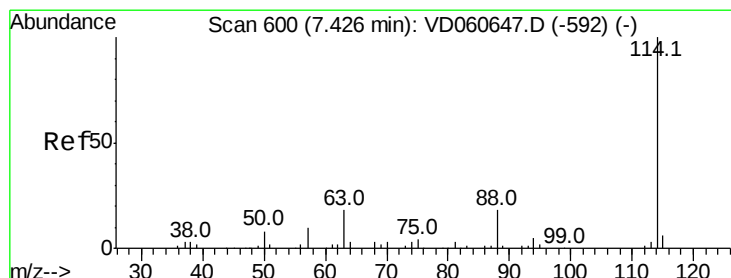
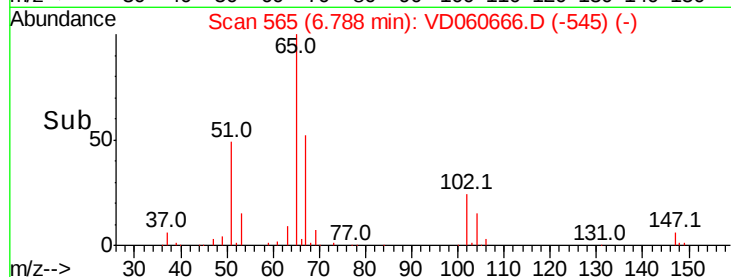
100000

50000

0

6.70 6.80 6.90 7.00

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.45 min Scan# 632

Delta R.T. 0.01 min

Lab File: VD060666.D

Acq: 20 Dec 2018 18:52

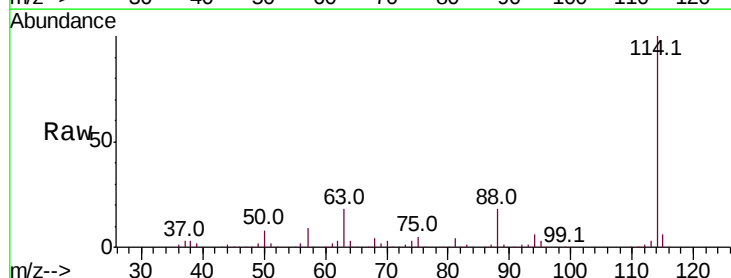
Tgt Ion: 114 Resp: 1895411

Ion Ratio Lower Upper

114 100

63 18.3 0.0 36.2

88 17.9 0.0 37.0



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

1000000

800000

600000

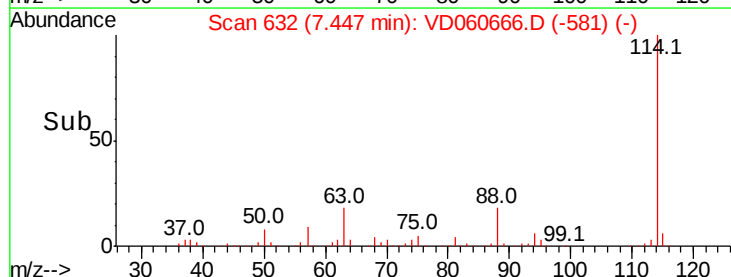
400000

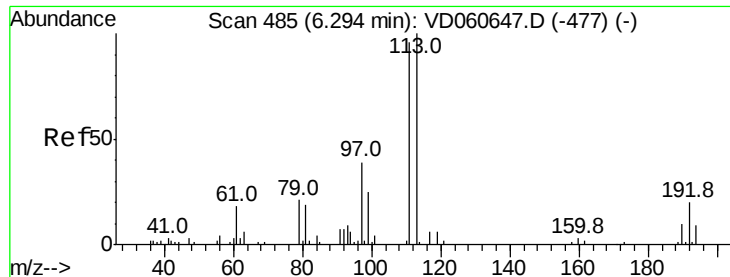
200000

0

7.30 7.40 7.50 7.60 7.70

Time-->

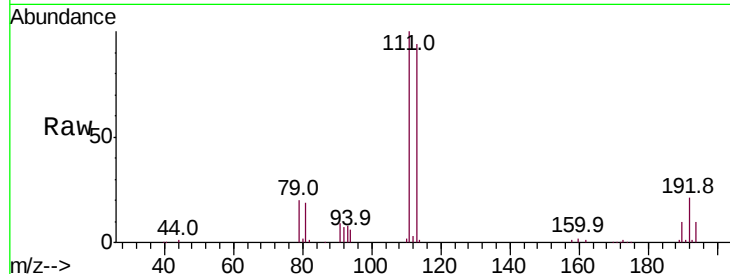




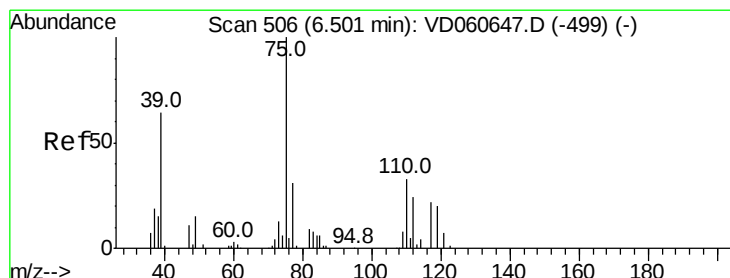
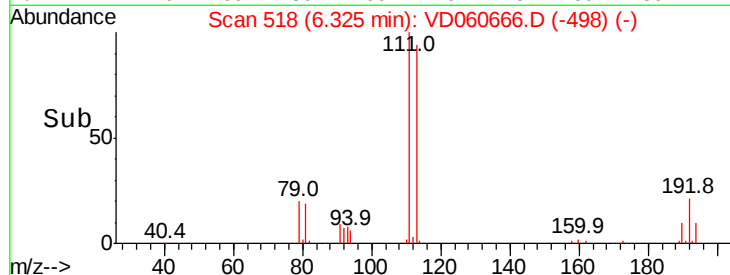
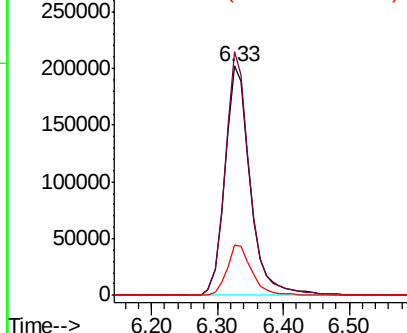
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.33 min Scan# 518
 Delta R.T. -0.00 min
 Lab File: VD060666.D
 Acq: 20 Dec 2018 18:52

Instrument :
 MSVOA_D
 ClientSampleId :
 HOUSE-WALL

Tot Ion:113 Resp: 544743
 Ion Ratio Lower Upper
 113 100
 111 106.2 80.0 120.0
 192 21.8 16.6 25.0

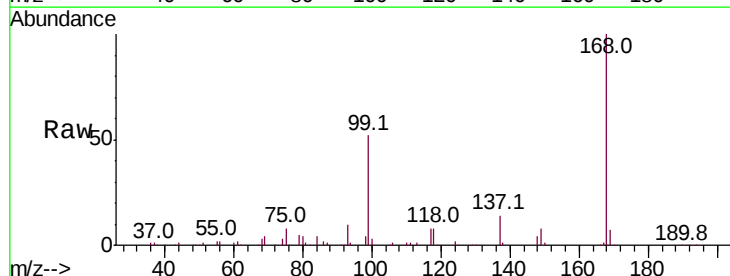


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

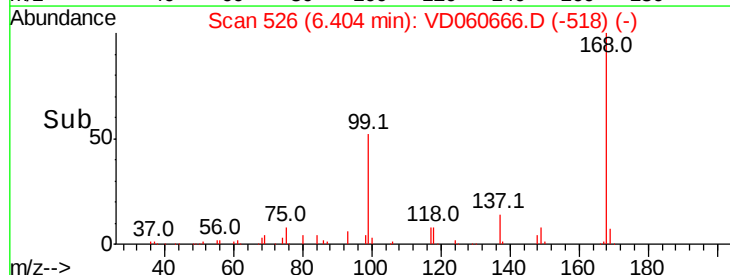
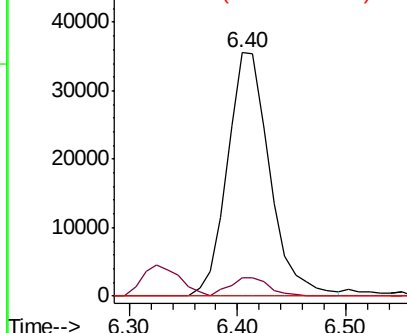


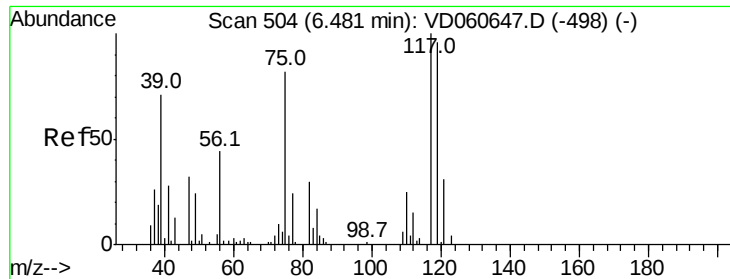
#36
 1,1-Dichloropropene
 Concen: 4.965 ug/l
 RT: 6.40 min Scan# 526
 Delta R.T. -0.12 min
 Lab File: VD060666.D
 Acq: 20 Dec 2018 18:52

Tgt Ion: 75 Resp: 96895
 Ion Ratio Lower Upper
 75 100
 110 7.5 18.9 56.7#
 77 0.0 25.4 38.0#



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: 6.451 ug/l

RT: 6.41 min Scan# 527

Delta R.T. -0.08 min

Lab File: VD060666.D

Acq: 20 Dec 2018 18:52

Instrument :

MSVOA_D

ClientSampleId :

HOUSE-WALL

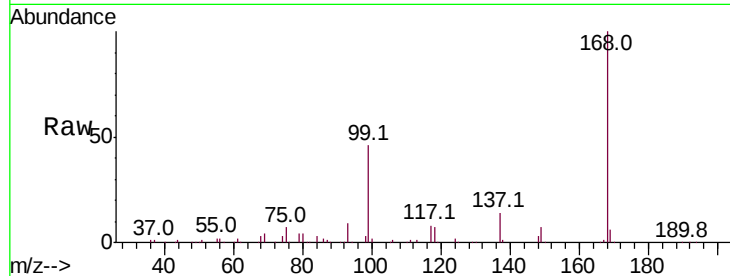
Tot Ion:117 Resp: 111073

Ion Ratio Lower Upper

117 100

119 4.3 77.0 115.4#

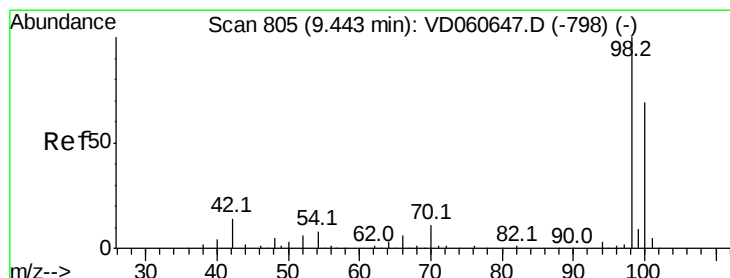
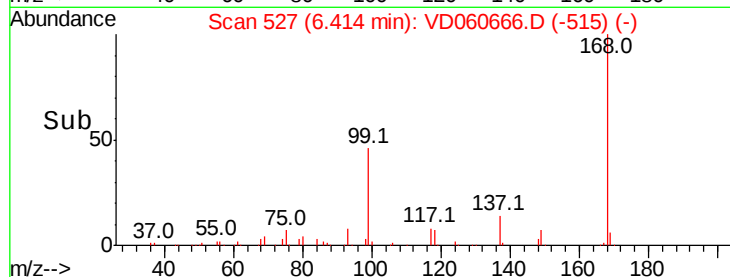
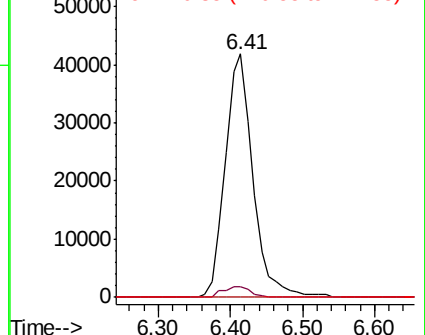
121 0.0 24.7 37.1#



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: 9.45 min Scan# 836

Delta R.T. -0.00 min

Lab File: VD060666.D

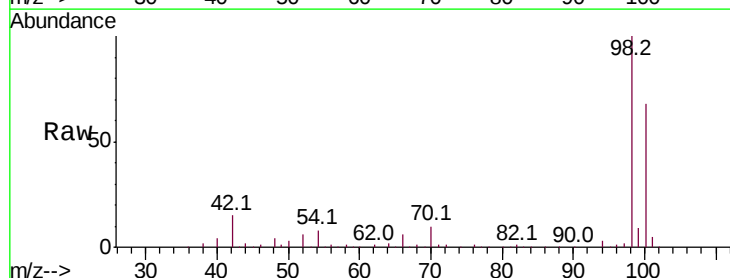
Acq: 20 Dec 2018 18:52

Tgt Ion: 98 Resp: 1361089

Ion Ratio Lower Upper

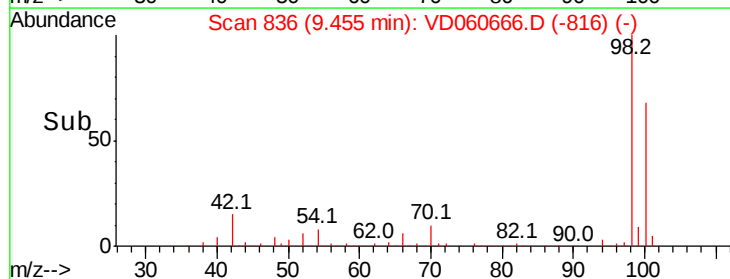
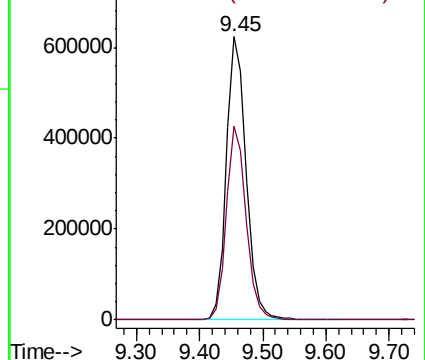
98 100

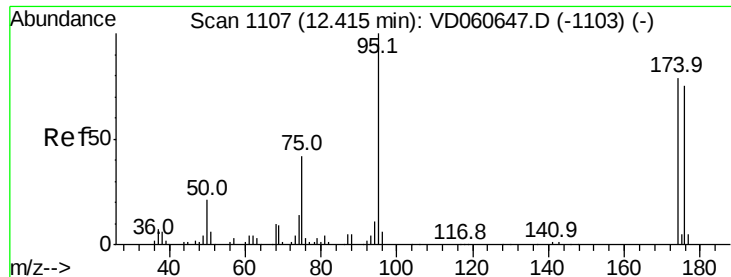
100 68.5 55.8 83.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.43 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VD060666.D

Acq: 20 Dec 2018 18:52

Instrument :

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ClientSampleId :

HOUSE-WALL

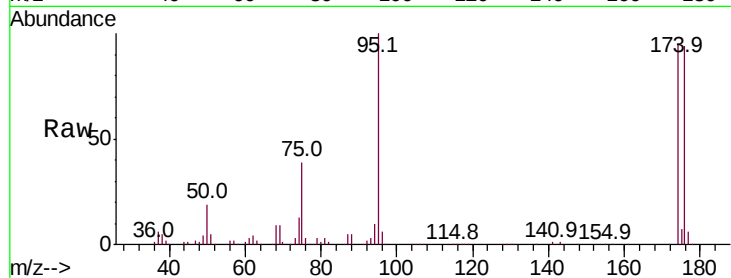
Tot Ion: 95 Resp: 431234

Ion Ratio Lower Upper

95 100

174 95.3 0.0 158.2

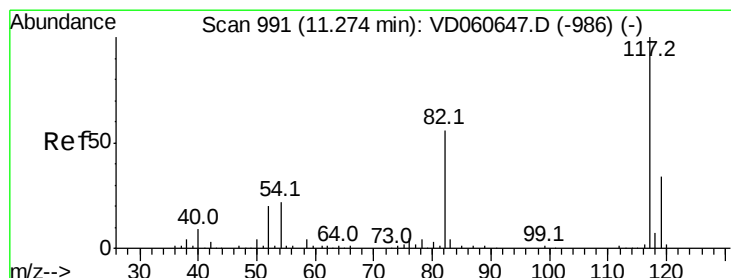
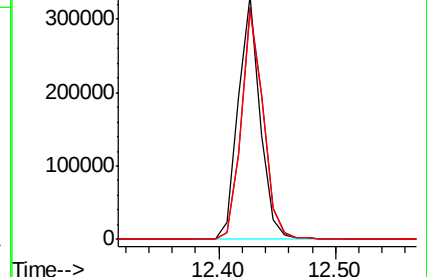
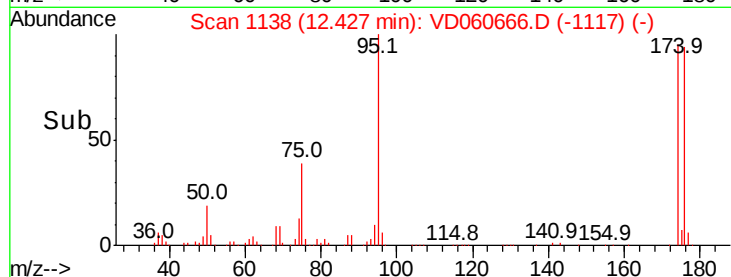
176 93.6 0.0 152.4



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: 11.29 min Scan# 1022

Delta R.T. 0.01 min

Lab File: VD060666.D

Acq: 20 Dec 2018 18:52

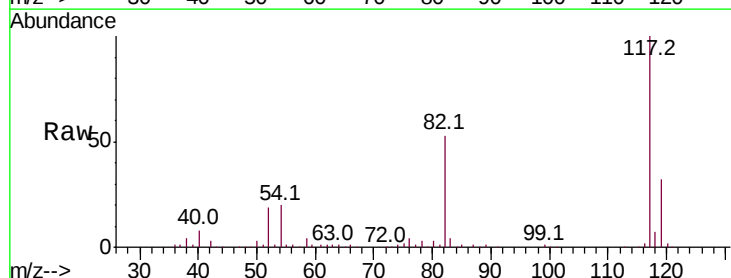
Tgt Ion: 117 Resp: 1373749

Ion Ratio Lower Upper

117 100

82 52.9 44.5 66.7

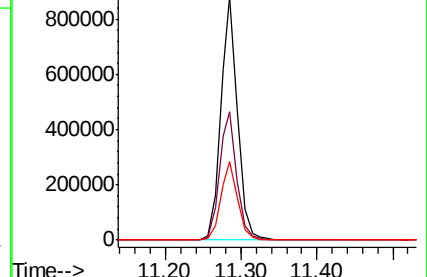
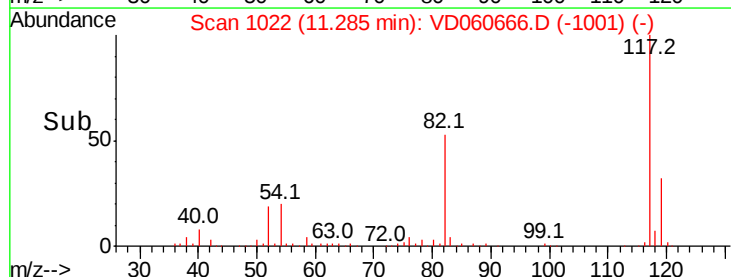
119 32.4 26.3 39.5

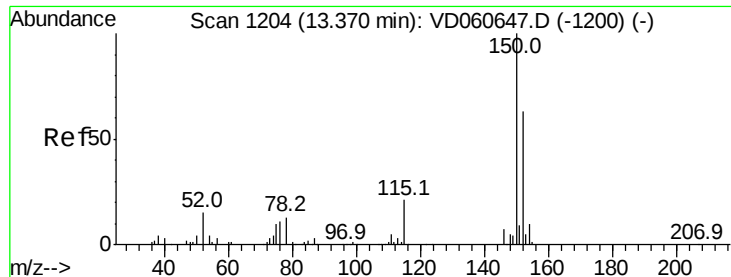


Abundance Ion 116.95 (116.65 to 117.65): V

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: 13.37 min Scan# 1234

Delta R.T. -0.00 min

Lab File: VD060666.D

Acq: 20 Dec 2018 18:52

Instrument :

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HOUSE-WALL

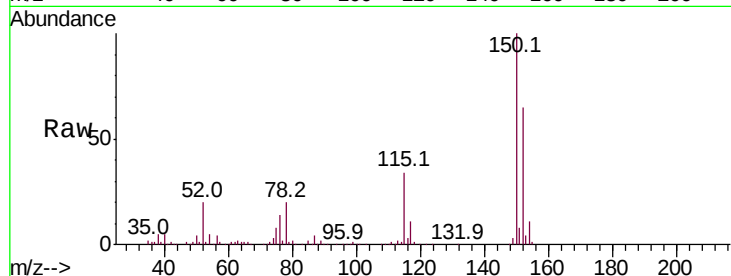
Tot Ion:152 Resp: 527588

Ion Ratio Lower Upper

152 100

115 51.5 24.1 72.3

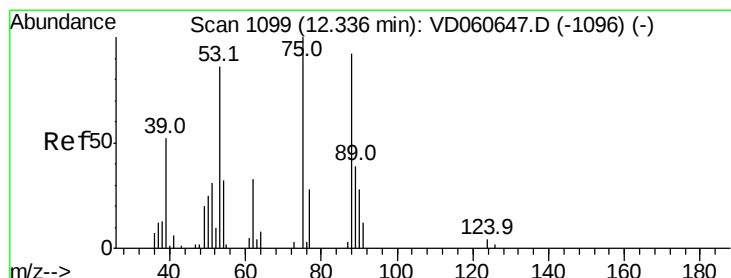
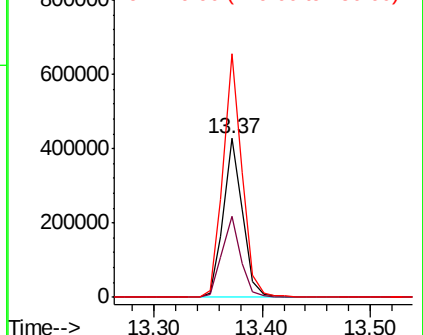
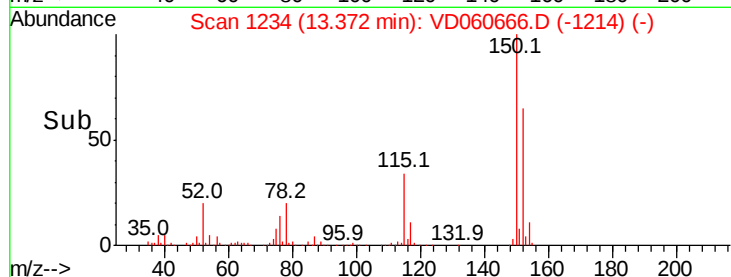
150 153.6 0.0 315.0



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: 105.377 ug/l

RT: 12.43 min Scan# 1138

Delta R.T. 0.08 min

Lab File: VD060666.D

Acq: 20 Dec 2018 18:52

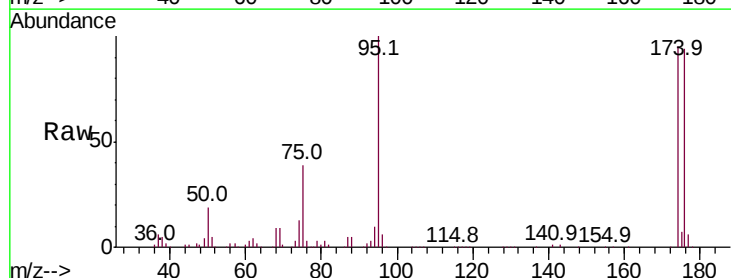
Tgt Ion: 75 Resp: 174898

Ion Ratio Lower Upper

75 100

53 0.0 72.1 108.1#

89 0.0 35.1 52.7#



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

