

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042419\
 Data File : VD062024.D
 Acq On : 25 Apr 2019 6:47
 Operator : VA/AP
 Sample : K2200-11
 Misc : 6.23g/5ml/MSVOA D/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

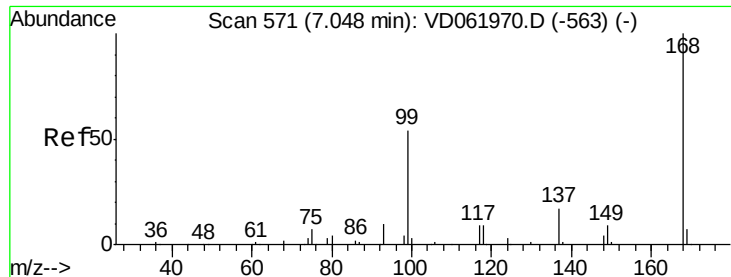
Quant Time: Apr 25 07:56:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	498713	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	869993	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	637238	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	277210	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	197407	50.58	ug/l	0.00
Spiked Amount			Recovery	=	101.16%	
35) Dibromofluoromethane	6.93	113	276795	46.00	ug/l	0.00
Spiked Amount			Recovery	=	92.00%	
50) Toluene-d8	10.42	98	579779	40.50	ug/l	0.00
Spiked Amount			Recovery	=	81.00%	
62) 4-Bromofluorobenzene	13.56	95	222340	38.72	ug/l	0.00
Spiked Amount			Recovery	=	77.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.16	94	228	Below Cal	#	12
16) Acetone	3.22	43	2553	2.739	ug/l #	74
20) Methylene Chloride	3.83	84	44121	6.981	ug/l	96
29) Tetrahydrofuran	6.46	42	610	1.096	ug/l #	30
31) Cyclohexane	7.05	56	8095	1.392	ug/l #	1
36) 1,1-Dichloropropene	7.06	75	38160	5.630	ug/l #	44
38) Carbon Tetrachloride	7.05	117	47502	5.531	ug/l #	17
51) 4-Methyl-2-Pentanone	10.42	43	2689	1.042	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.56	75	84713	79.413	ug/l #	16

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.01 min

Lab File: VD062024.D

Acq: 25 Apr 2019 6:47

Instrument :

MSVOA_D

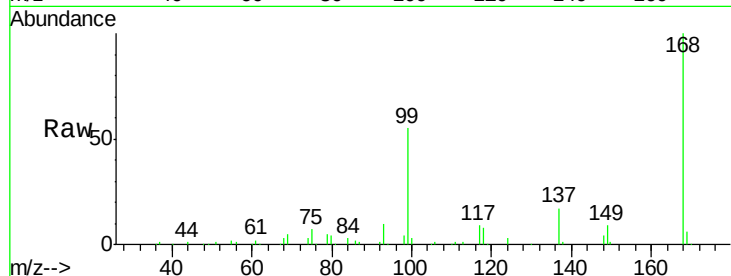
ClientSampleId :

Tot Ion:168 Resp: 498713

Ion Ratio Lower Upper

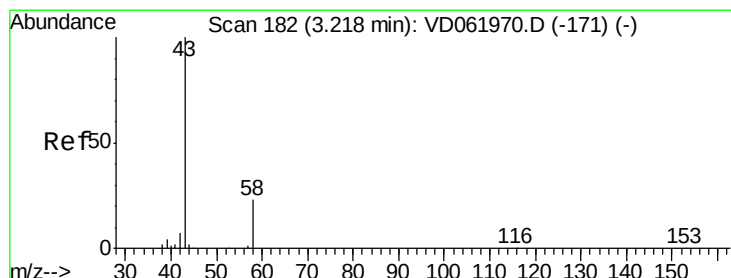
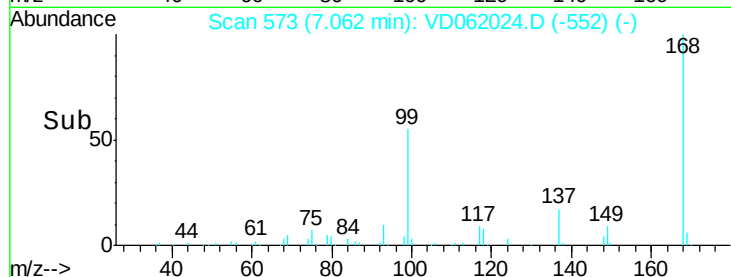
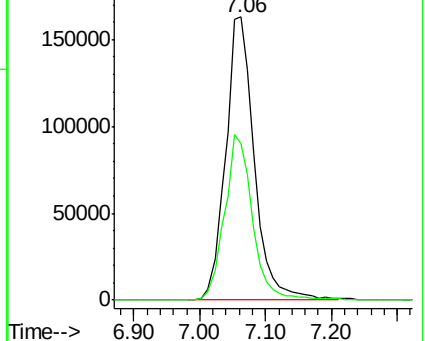
168 100

99 55.2 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 2.739 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD062024.D

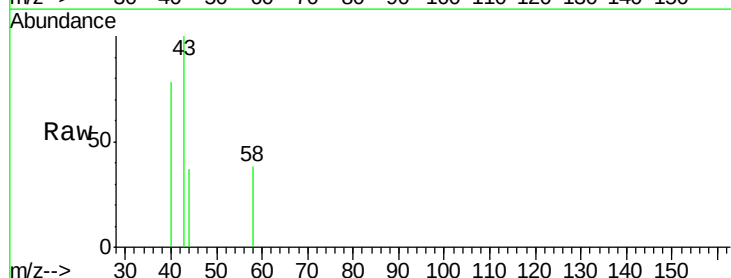
Acq: 25 Apr 2019 6:47

Tgt Ion: 43 Resp: 2553

Ion Ratio Lower Upper

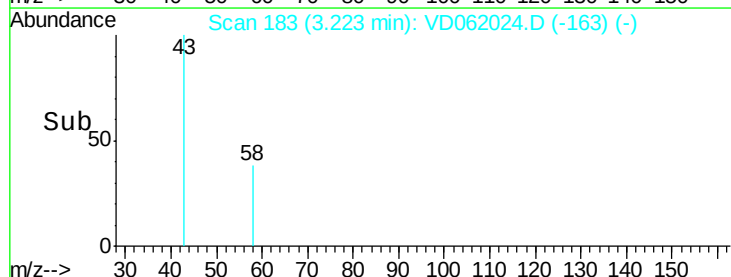
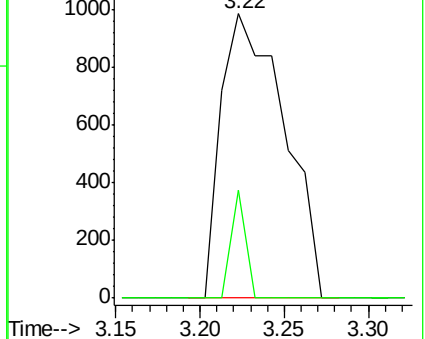
43 100

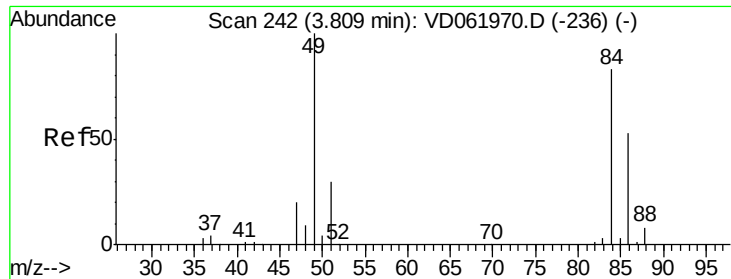
58 37.7 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

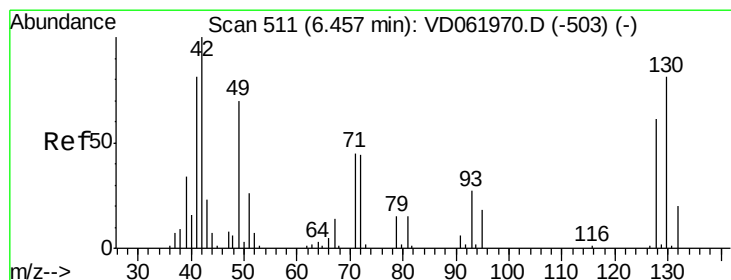
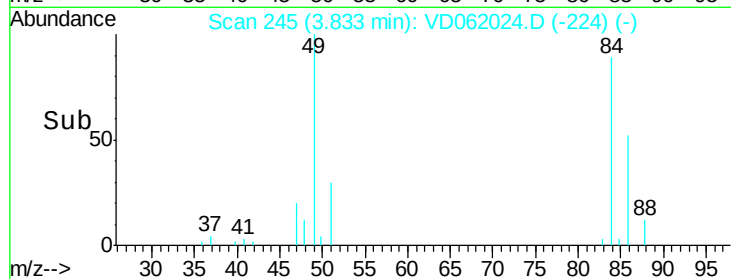
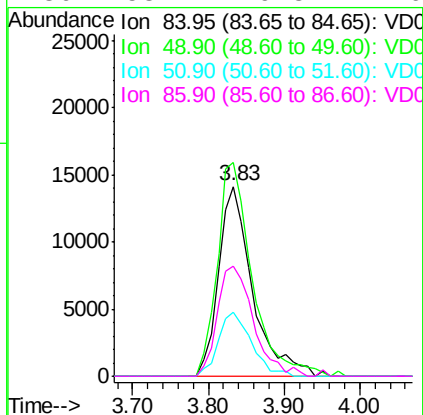
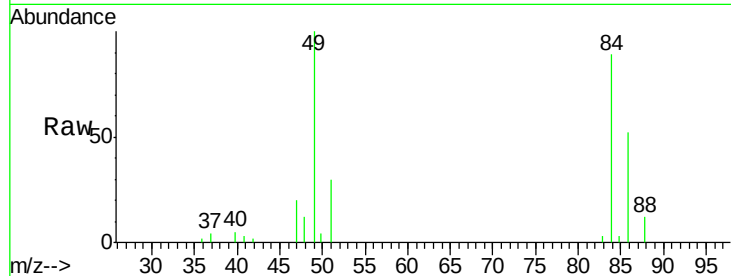




#20
Methylene Chloride
Concen: 6.981 ug/l
RT: 3.83 min Scan# 245
Delta R.T. 0.01 min
Lab File: VD062024.D
Acq: 25 Apr 2019 6:47

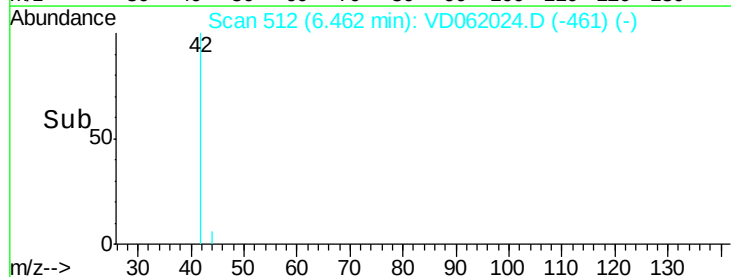
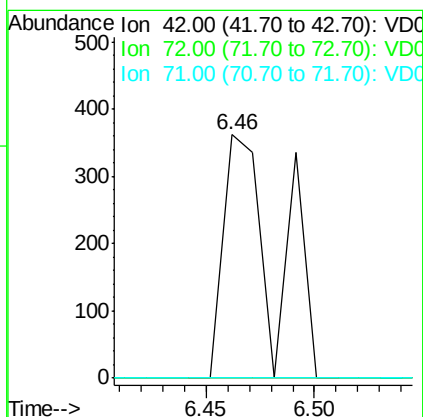
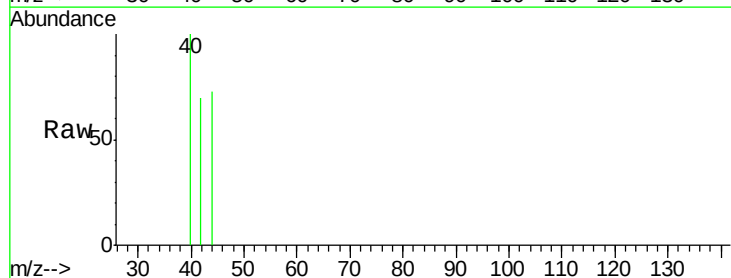
Instrument :
MSVOA_D
ClientSampleId :

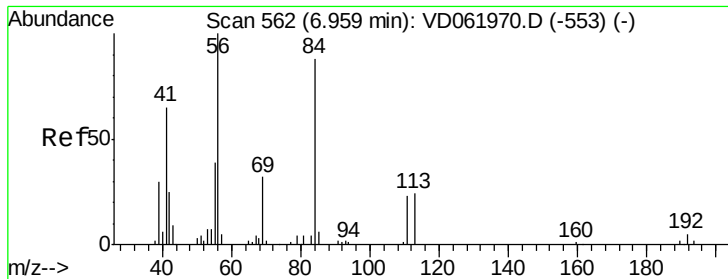
Tot Ion: 84 Resp: 44121
Ion Ratio Lower Upper
84 100
49 112.7 94.0 141.0
51 34.0 29.0 43.4
86 58.4 49.8 74.6



#29
Tetrahydrofuran
Concen: 1.096 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.00 min
Lab File: VD062024.D
Acq: 25 Apr 2019 6:47

Tgt Ion: 42 Resp: 610
Ion Ratio Lower Upper
42 100
72 0.0 37.8 56.6#
71 0.0 36.7 55.1#

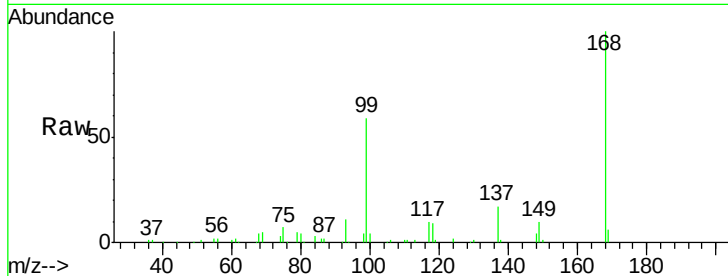




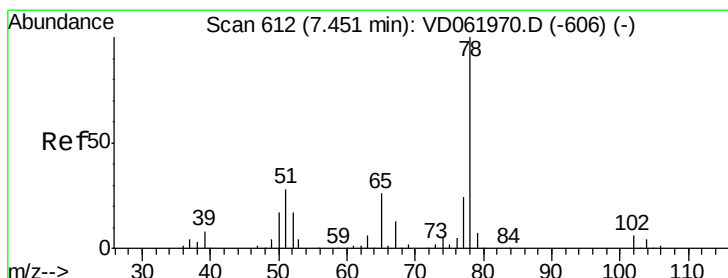
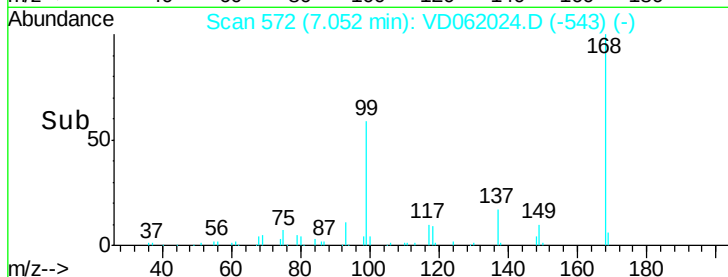
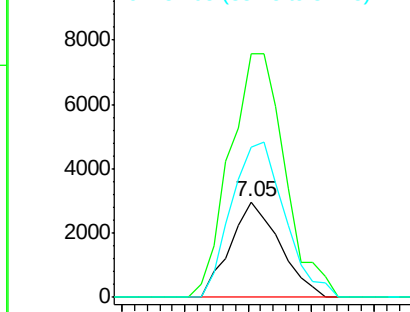
#31
Cyclohexane
Concen: 1.392 ug/l
RT: 7.05 min Scan# 572
Delta R.T. 0.09 min
Lab File: VD062024.D
Acq: 25 Apr 2019 6:47

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 8095
Ion Ratio Lower Upper
56 100
69 255.5 25.8 38.6#
84 157.3 72.2 108.4#

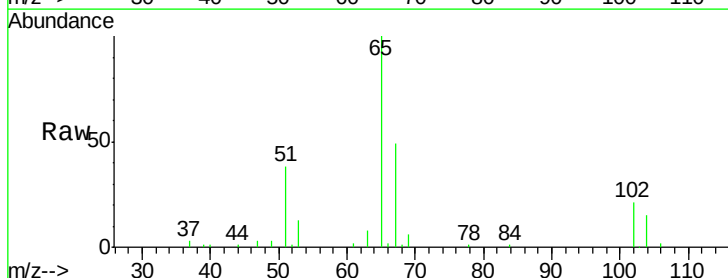


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

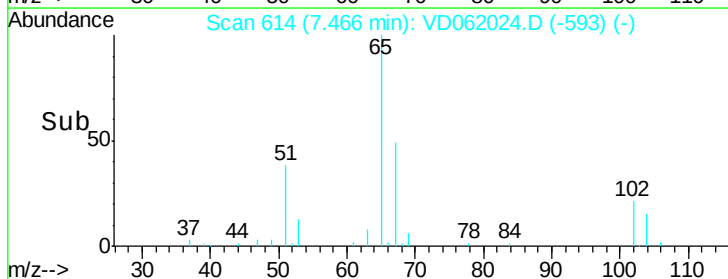
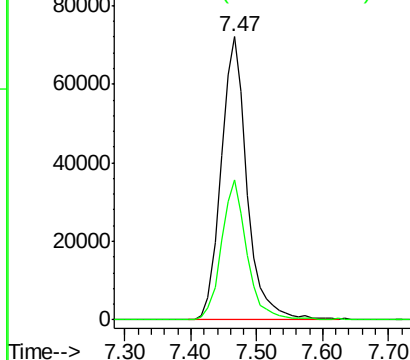


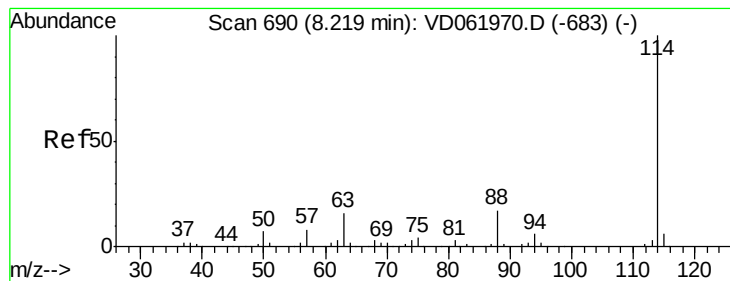
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.01 min
Lab File: VD062024.D
Acq: 25 Apr 2019 6:47

Tgt Ion: 65 Resp: 197407
Ion Ratio Lower Upper
65 100
67 49.4 0.0 98.0



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: 8.23 min Scan# 692

Delta R.T. 0.01 min

Lab File: VD062024.D

Acq: 25 Apr 2019 6:47

Instrument :

MSVOA_D

ClientSampleId :

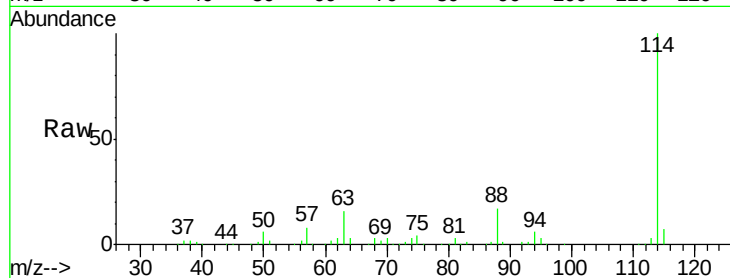
Tot Ion:114 Resp: 869993

Ion Ratio Lower Upper

114 100

63 16.4 0.0 32.4

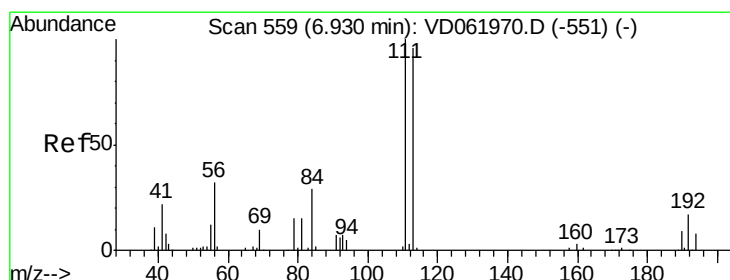
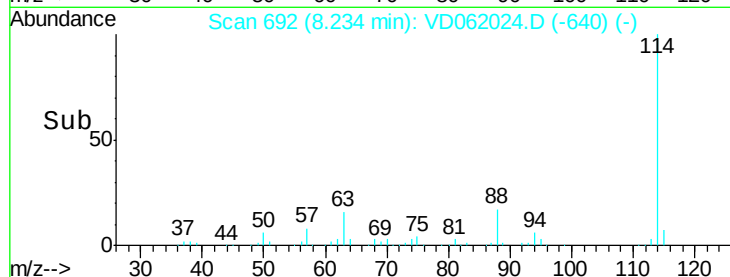
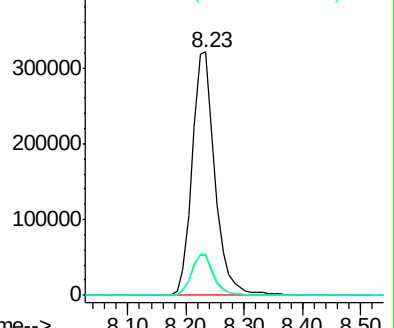
88 17.1 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 560

Delta R.T. 0.00 min

Lab File: VD062024.D

Acq: 25 Apr 2019 6:47

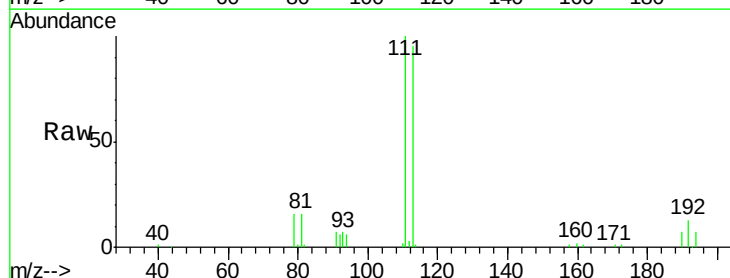
Tgt Ion:113 Resp: 276795

Ion Ratio Lower Upper

113 100

111 105.0 78.5 117.7

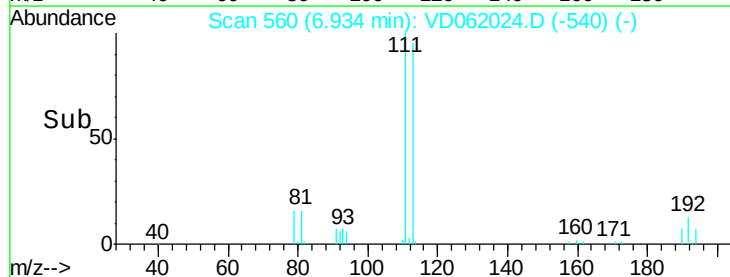
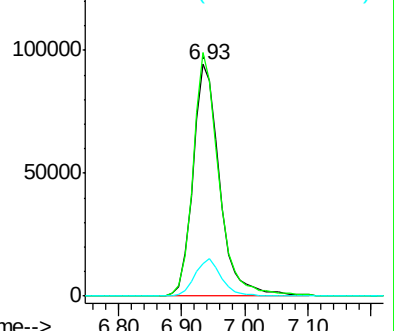
192 13.9 13.0 19.4

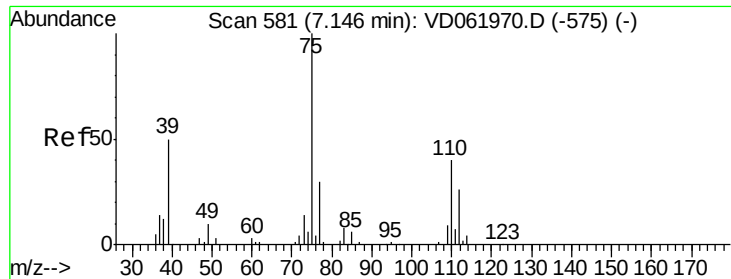


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

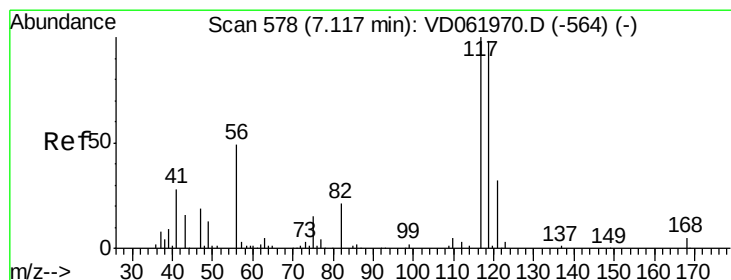
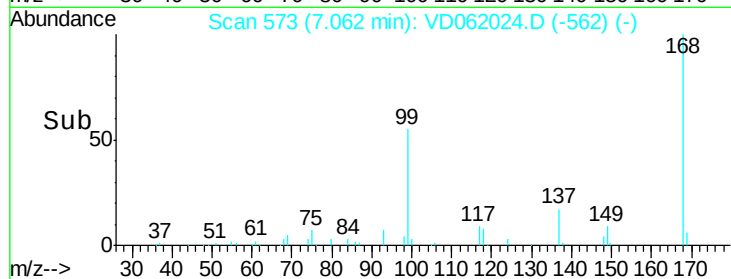
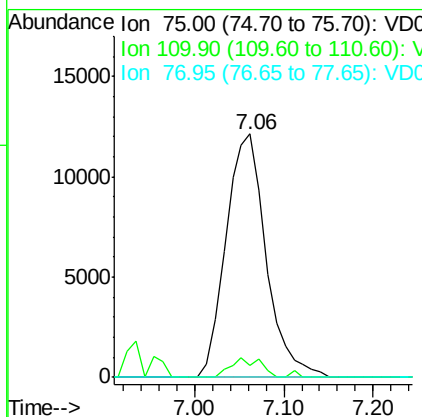
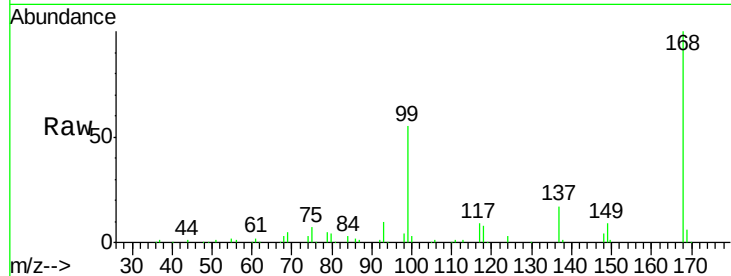




#36
 1,1-Dichloropropene
 Concen: 5.630 ug/l
 RT: 7.06 min Scan# 573
 Delta R.T. -0.09 min
 Lab File: VD062024.D
 Acq: 25 Apr 2019 6:47

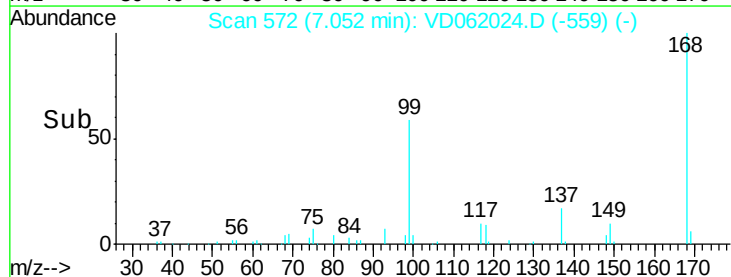
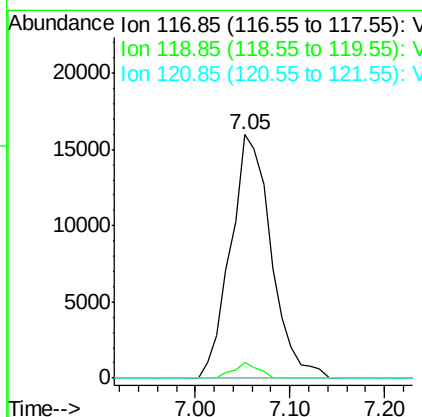
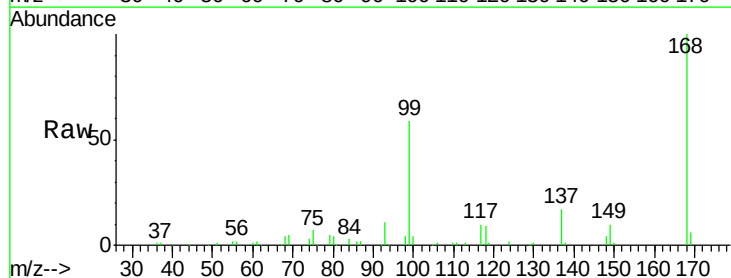
Instrument :
 MSVOA_D
 ClientSampleId :

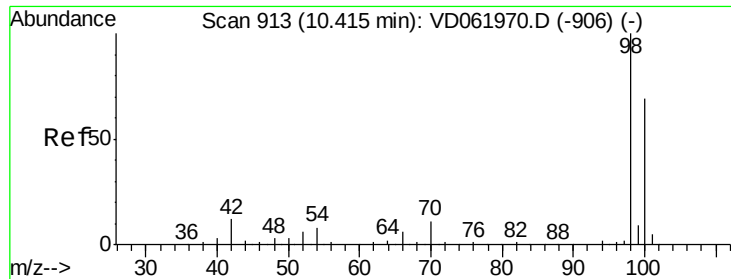
Tot Ion	Ratio	Lower	Upper
75	100		
110	5.2	19.1	57.1#
77	0.0	25.6	38.4#



#38
 Carbon Tetrachloride
 Concen: 5.531 ug/l
 RT: 7.05 min Scan# 572
 Delta R.T. -0.07 min
 Lab File: VD062024.D
 Acq: 25 Apr 2019 6:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.5	75.8	113.8#
121	0.0	25.9	38.9#

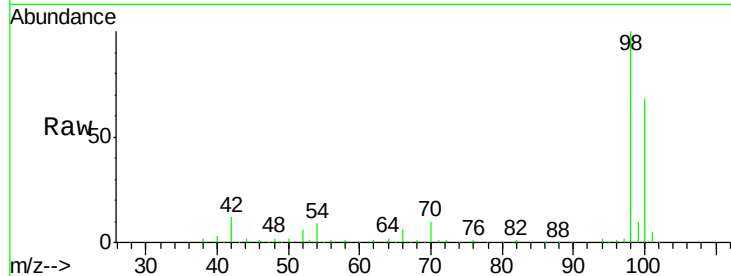




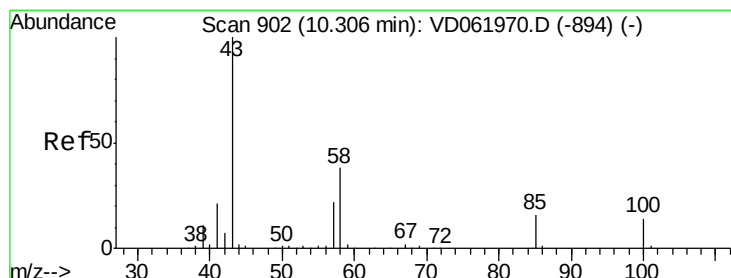
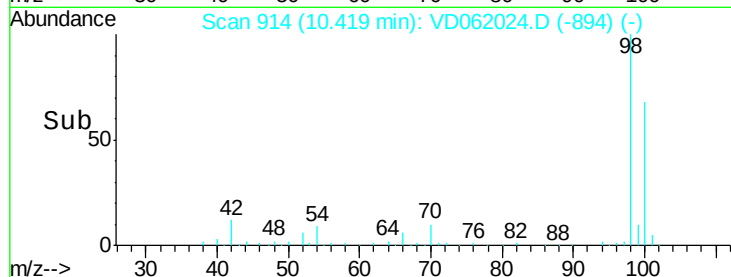
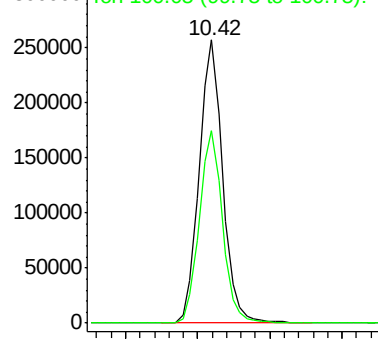
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD062024.D
Acq: 25 Apr 2019 6:47

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 579779
Ion Ratio Lower Upper
98 100
100 68.0 53.8 80.8

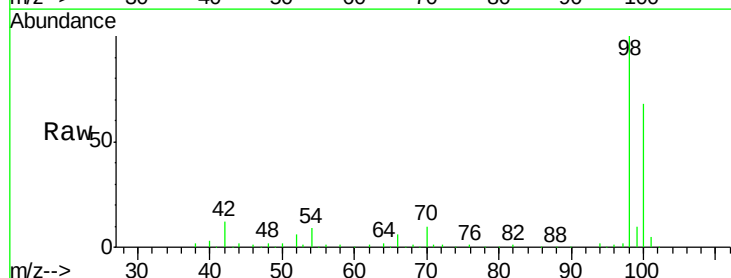


Abundance Ion 98.05 (97.75 to 98.75): VD061970.D (-906) (-)
Ion 100.05 (99.75 to 100.75): VD061970.D (-906) (-)

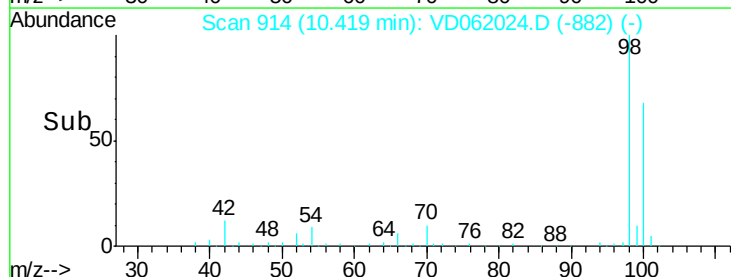
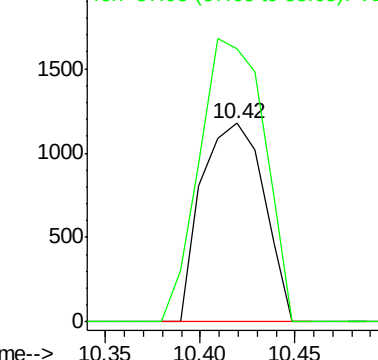


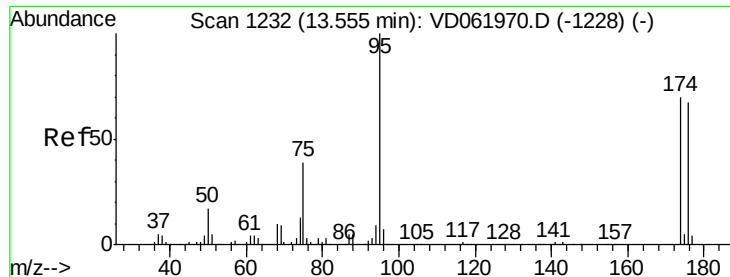
#51
4-Methyl-2-Pentanone
Concen: 1.042 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.12 min
Lab File: VD062024.D
Acq: 25 Apr 2019 6:47

Tgt Ion: 43 Resp: 2689
Ion Ratio Lower Upper
43 100
58 137.9 30.4 45.6#



Abundance Ion 42.95 (42.65 to 43.65): VD061970.D (-894) (-)
Ion 57.95 (57.65 to 58.65): VD061970.D (-894) (-)

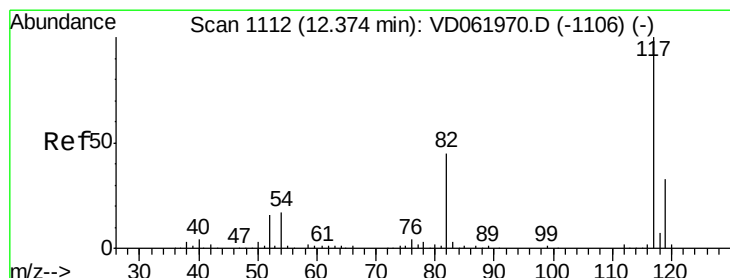
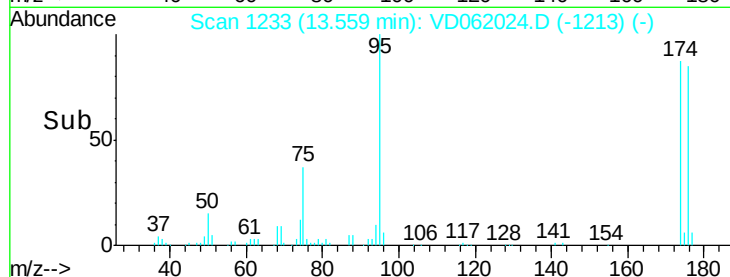
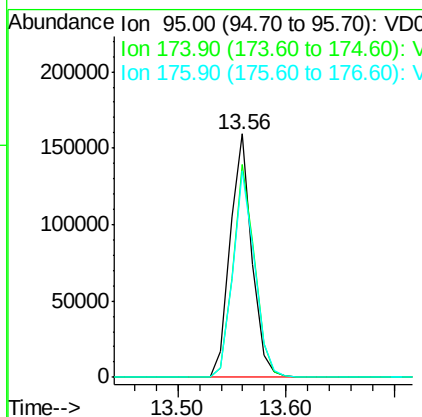
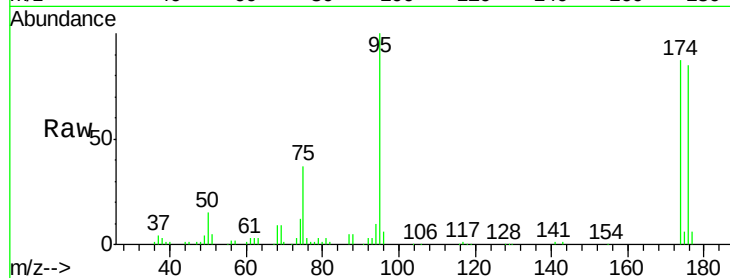




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VD062024.D
Acq: 25 Apr 2019 6:47

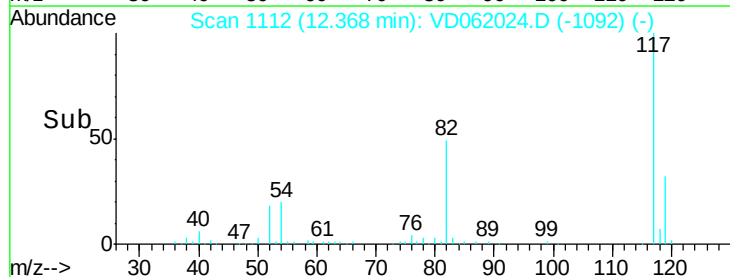
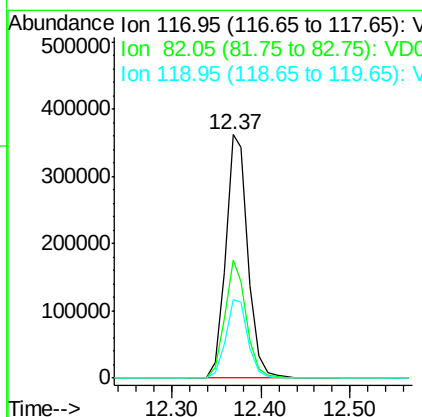
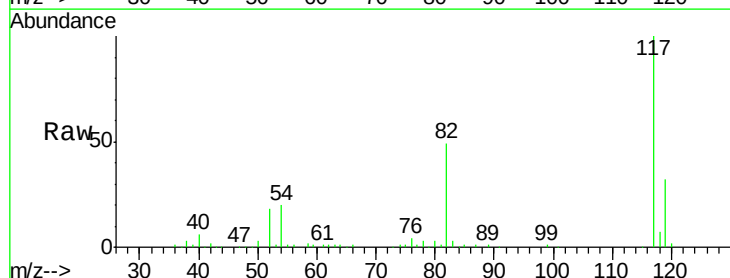
Instrument :
MSVOA_D
ClientSampleId :

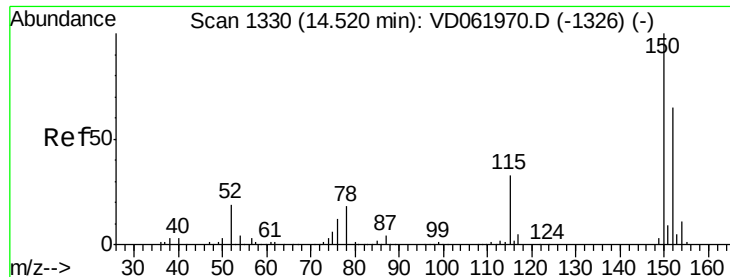
Tot Ion: 95 Resp: 222340
Ion Ratio Lower Upper
95 100
174 87.3 0.0 181.8
176 84.6 0.0 174.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD062024.D
Acq: 25 Apr 2019 6:47

Tgt Ion: 117 Resp: 637238
Ion Ratio Lower Upper
117 100
82 48.7 36.2 54.2
119 32.3 26.2 39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1331

Delta R.T. 0.00 min

Lab File: VD062024.D

Acq: 25 Apr 2019 6:47

Instrument :

MSVOA_D

ClientSampleId :

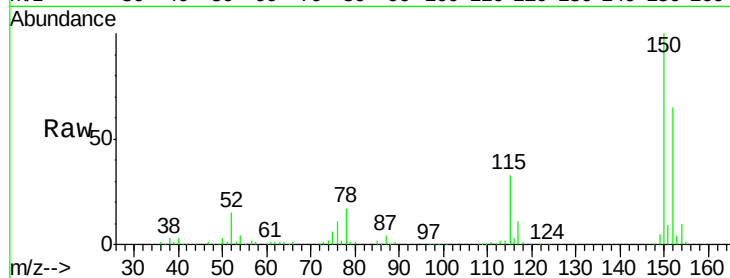
Tot Ion:152 Resp: 277210

Ion Ratio Lower Upper

152 100

115 51.0 30.9 92.7

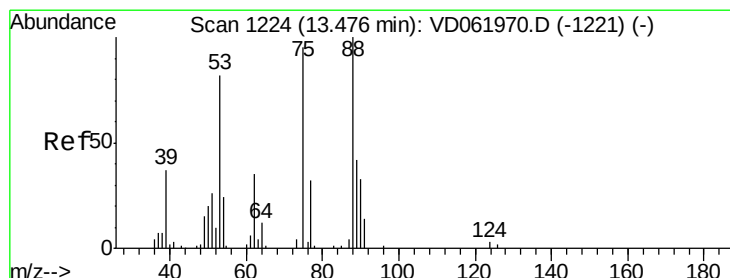
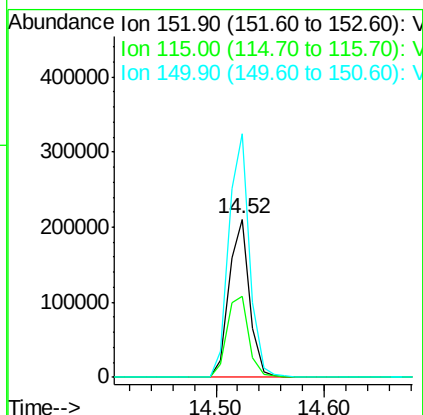
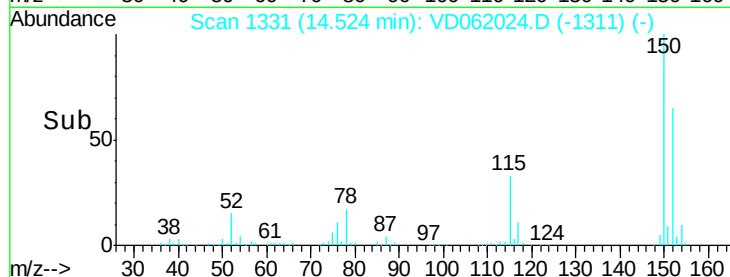
150 154.2 0.0 314.8



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: 79.413 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.08 min

Lab File: VD062024.D

Acq: 25 Apr 2019 6:47

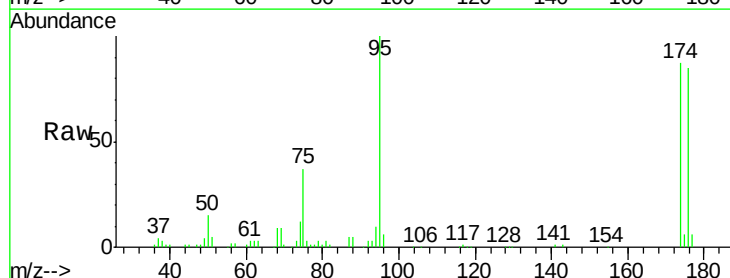
Tgt Ion: 75 Resp: 84713

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#



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

