

Data File : VD062334.D
Acq On : 14 May 2019 6:12
Operator : FY/SY
Sample : K2735-12
Misc : 6.30g/5mL/MSVOA_D/SOIL
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
P026-SS016-1824-01

Quant Time: May 14 08:20:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	527580	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.24	114	759143	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	531516	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	14.53	152	228802	50.00	ug/l	0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	205441	41.90	ug/l	0.04
Spiked Amount	50.000		Recovery	=	83.80%	
35) Dibromofluoromethane	6.95	113	229638	36.46	ug/l	0.05
Spiked Amount	50.000		Recovery	=	72.92%	
50) Toluene-d8	10.43	98	372154	24.51	ug/l	0.04
Spiked Amount	50.000		Recovery	=	49.02%	
62) 4-Bromofluorobenzene	13.56	95	154201	25.29	ug/l	0.02
Spiked Amount	50.000		Recovery	=	50.58%	

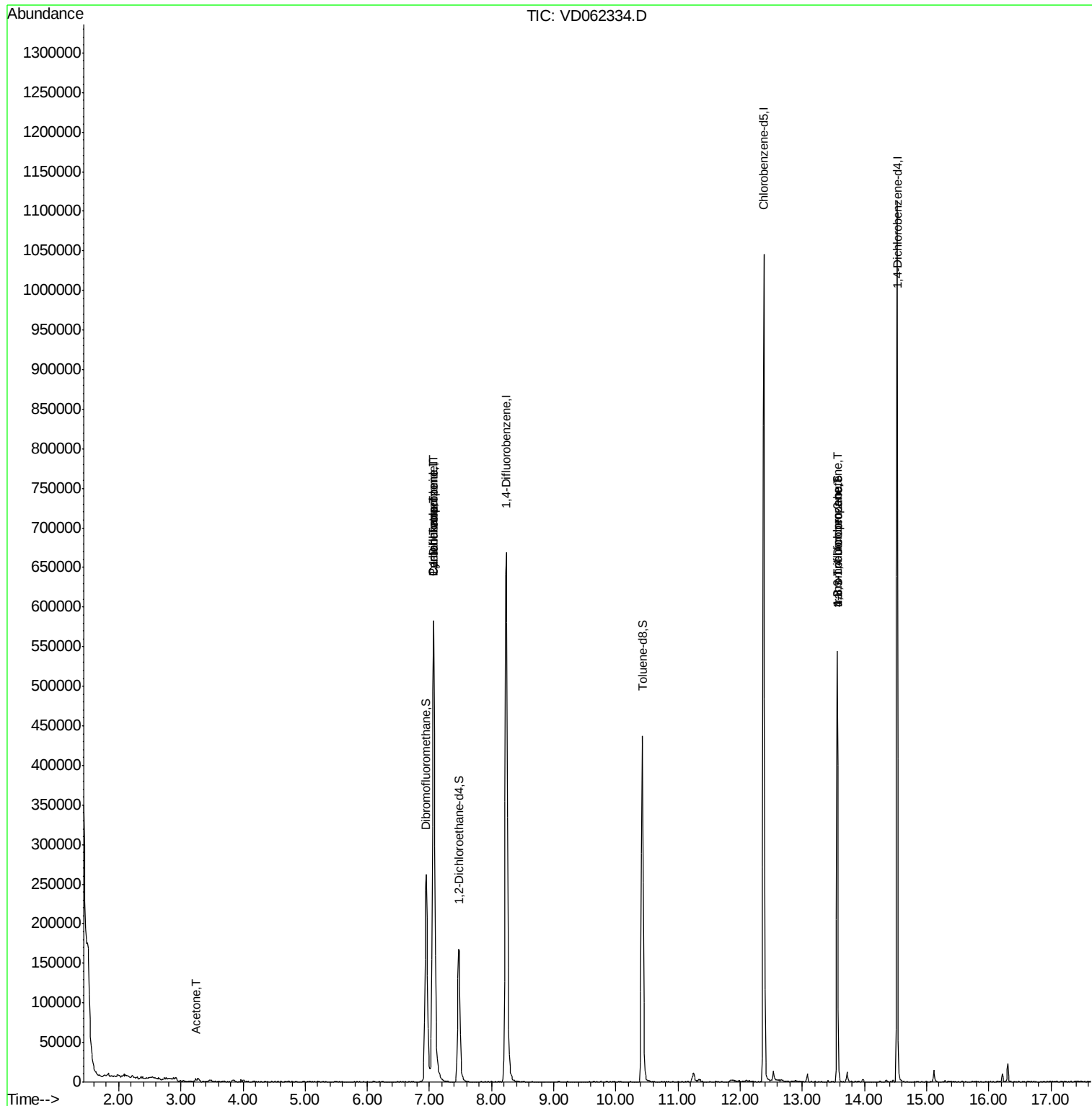
Target Compounds				Qvalue		
16) Acetone	3.24	43	5877	5.716	ug/l #	79
18) Methyl Acetate	3.65	43	428	Below Cal	#	53
31) Cyclohexane	7.07	56	10884	2.116	ug/l #	1
36) 1,1-Dichloropropene	7.06	75	44722	7.185	ug/l #	46
38) Carbon Tetrachloride	7.07	117	55516	6.444	ug/l #	16
76) 1,2,3-Trichloropropane	13.56	75	69945	25.723	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.56	75	71332	92.926	ug/l #	16

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 573

Delta R.T. 0.04 min

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Instrument :

MSVOA_D

ClientSampleId :

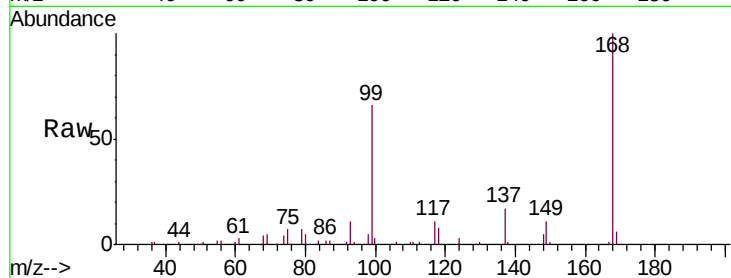
P026-SS016-1824-01

Tgt Ion:168 Resp: 527580

Ion Ratio Lower Upper

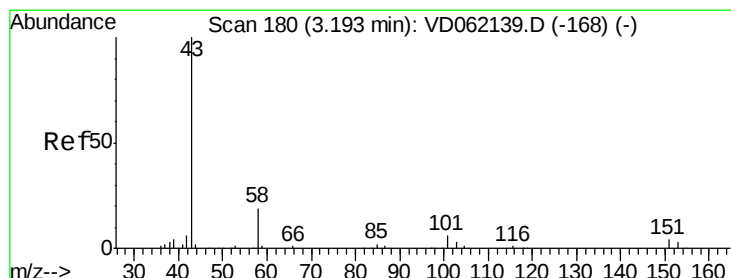
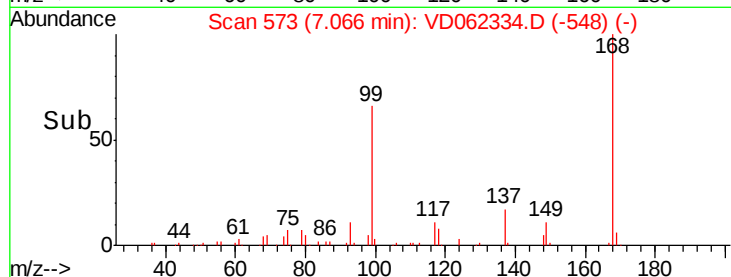
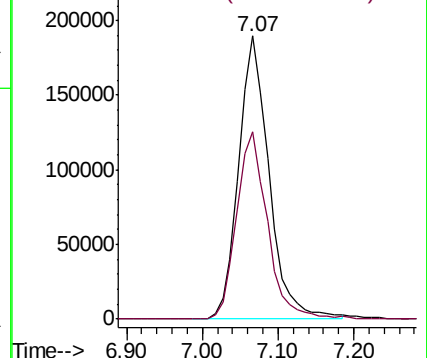
168 100

99 66.2 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: 5.716 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.04 min

Lab File: VD062334.D

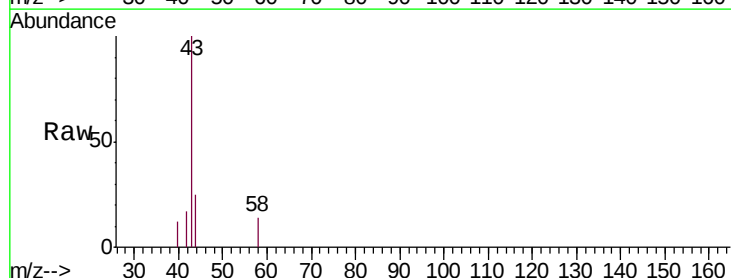
Acq: 14 May 2019 6:12

Tgt Ion: 43 Resp: 5877

Ion Ratio Lower Upper

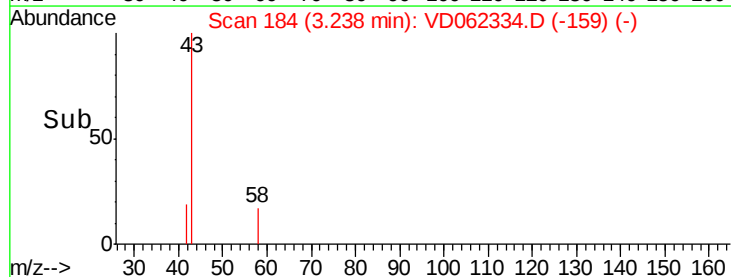
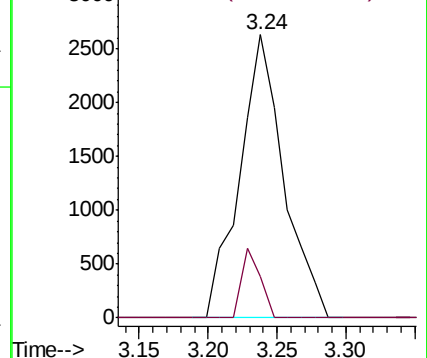
43 100

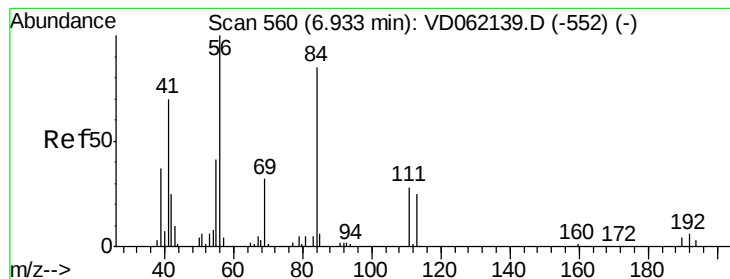
58 14.5 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#31

Cyclohexane

Concen: 2.116 ug/l

RT: 7.07 min Scan# 573

Delta R.T. 0.13 min

Lab File: VD062334.D

Acq: 14 May 2019 6:12

Instrument :

MSVOA_D

ClientSampleId :

P026-SS016-1824-01

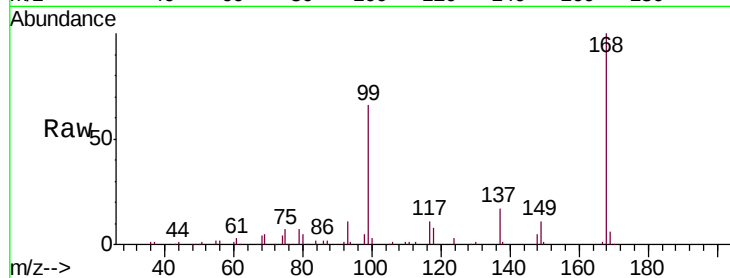
Tgt Ion: 56 Resp: 10884

Ion Ratio Lower Upper

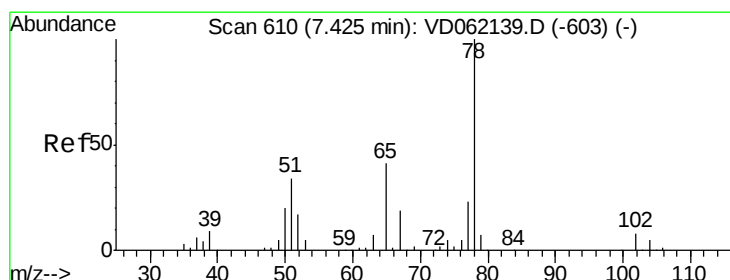
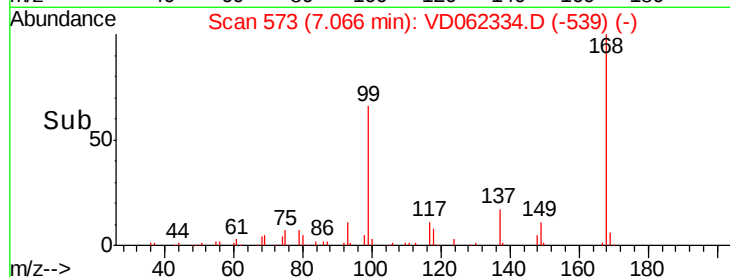
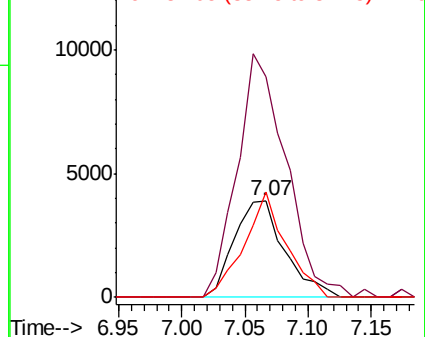
56 100

69 227.5 25.8 38.6#

84 109.2 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: 41.902 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.04 min

Lab File: VD062334.D

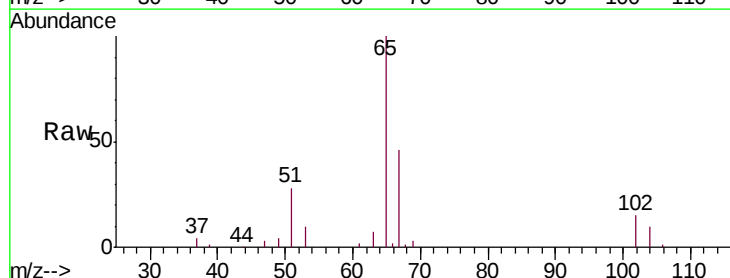
Acq: 14 May 2019 6:12

Tgt Ion: 65 Resp: 205441

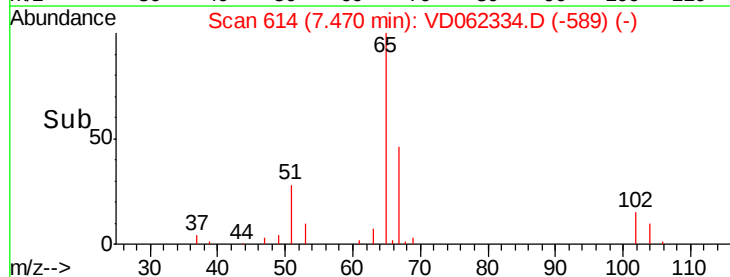
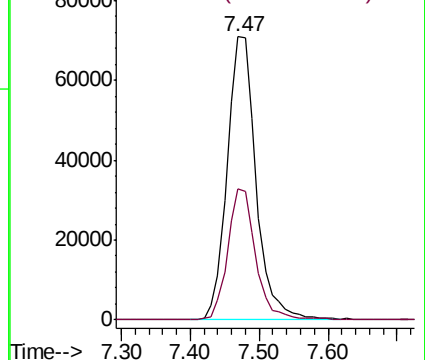
Ion Ratio Lower Upper

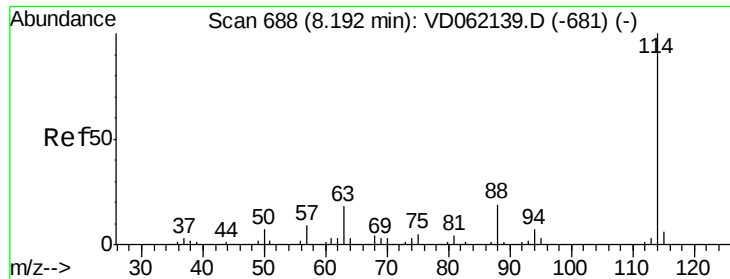
65 100

67 46.4 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

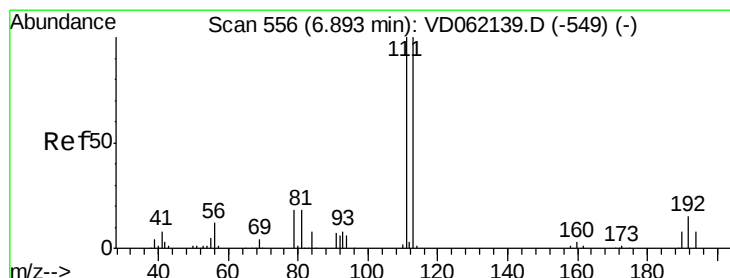
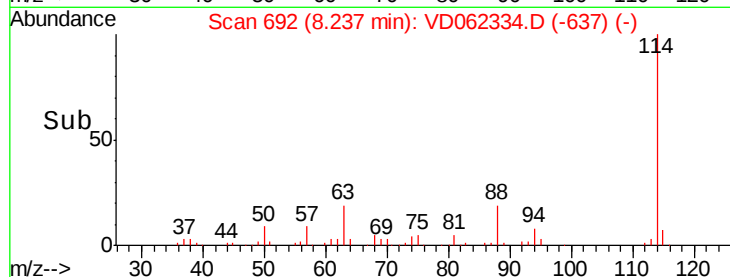
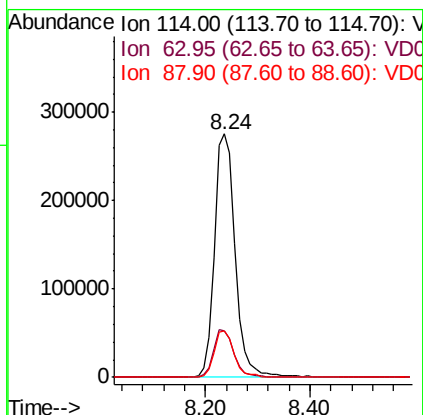
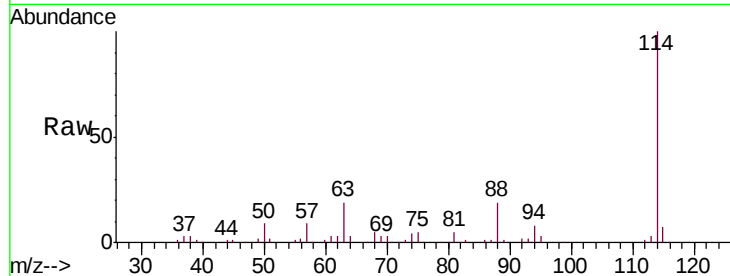




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.24 min Scan# 692
 Delta R.T. 0.04 min
 Lab File: VD062334.D
 Acq: 14 May 2019 6:12

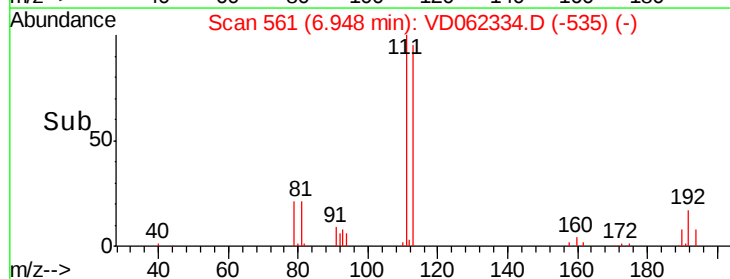
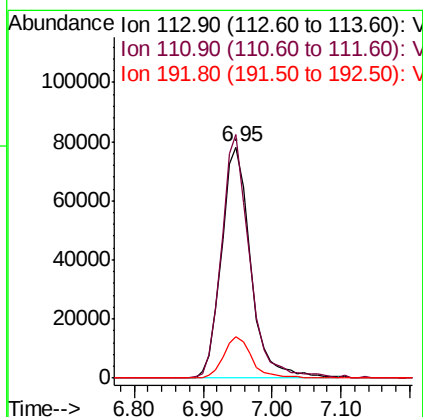
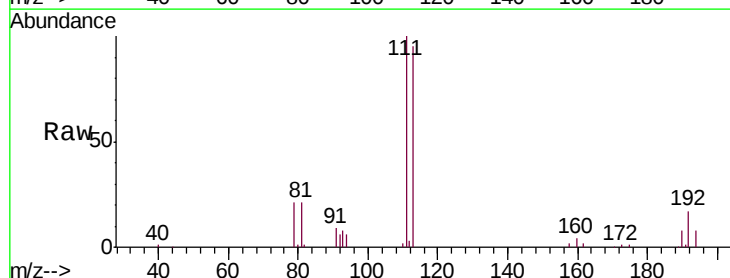
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS016-1824-01

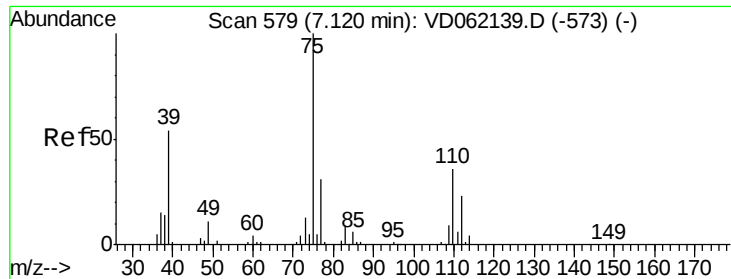
Tgt Ion:114 Resp: 759143
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 32.4
 88 19.2 0.0 33.6



#35
 Dibromofluoromethane
 Concen: 36.458 ug/l
 RT: 6.95 min Scan# 561
 Delta R.T. 0.05 min
 Lab File: VD062334.D
 Acq: 14 May 2019 6:12

Tgt Ion:113 Resp: 229638
 Ion Ratio Lower Upper
 113 100
 111 105.3 78.5 117.7
 192 17.9 13.0 19.4

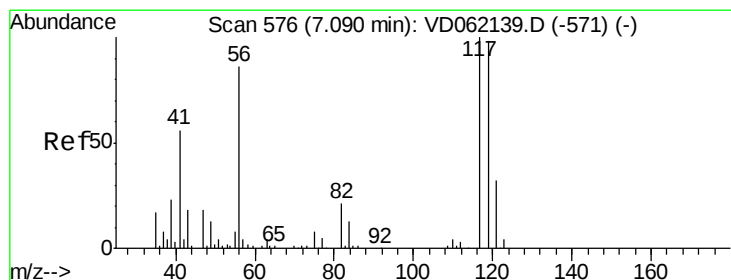
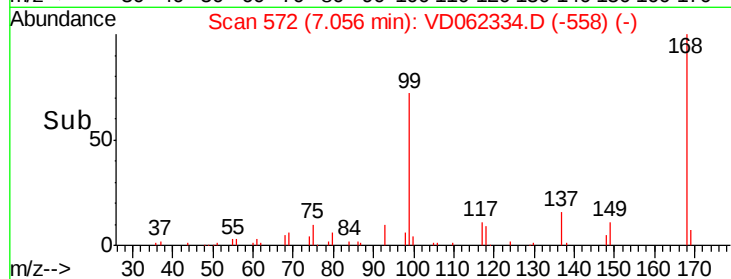
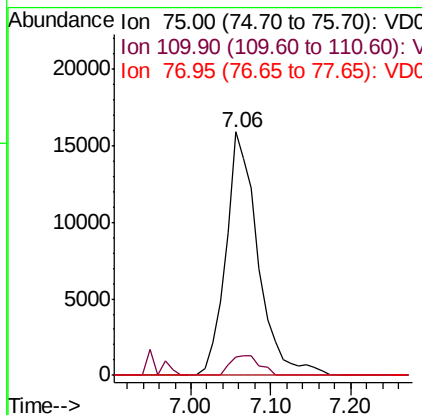
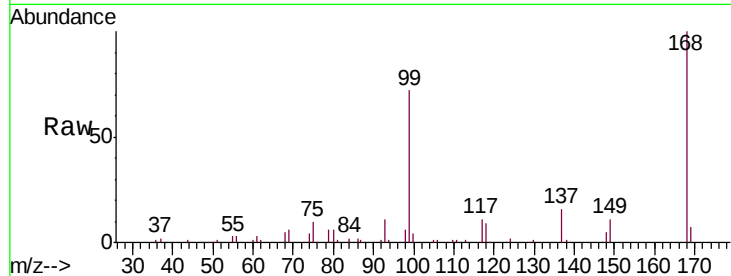




#36
 1,1-Dichloropropene
 Concen: 7.185 ug/l
 RT: 7.06 min Scan# 572
 Delta R.T. -0.06 min
 Lab File: VD062334.D
 Acq: 14 May 2019 6:12

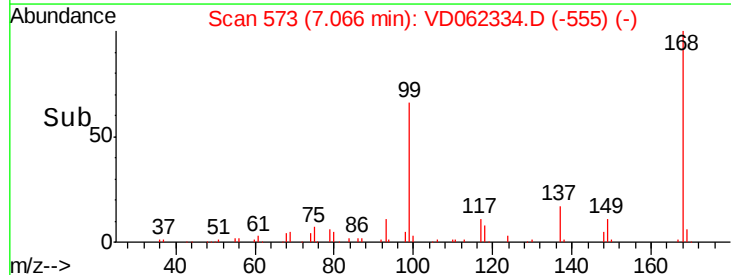
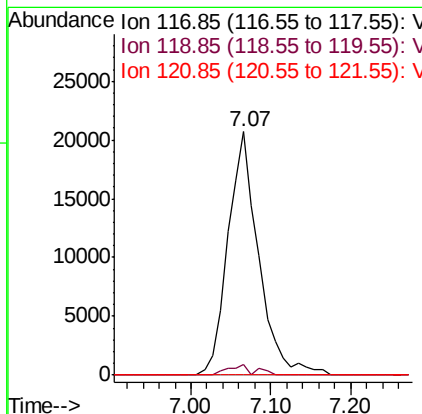
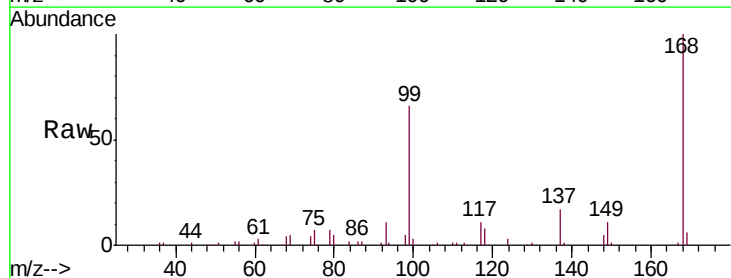
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS016-1824-01

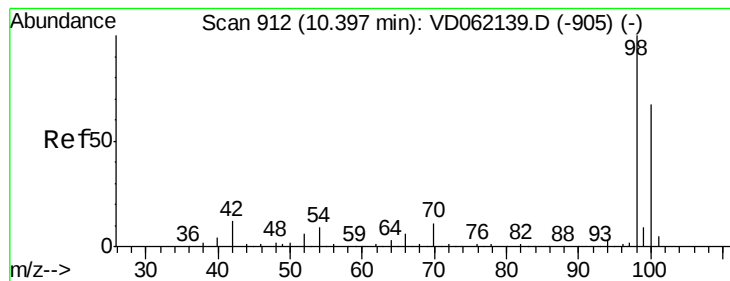
Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.6	19.1	57.1#
77	0.0	25.6	38.4#



#38
 Carbon Tetrachloride
 Concen: 6.444 ug/l
 RT: 7.07 min Scan# 573
 Delta R.T. -0.02 min
 Lab File: VD062334.D
 Acq: 14 May 2019 6:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.5	75.8	113.8#
121	0.0	25.9	38.9#





#50

Toluene-d8

Concen: 24.505 ug/l

RT: 10.43 min Scan# 915

Delta R.T. 0.04 min

Lab File: VD062334.D

Acq: 14 May 2019 6:12

Instrument :

MSVOA_D

ClientSampleId :

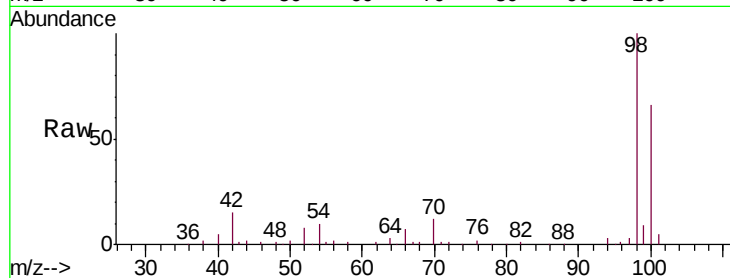
P026-SS016-1824-01

Tgt Ion: 98 Resp: 372154

Ion Ratio Lower Upper

98 100

100 66.4 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

10.43

150000

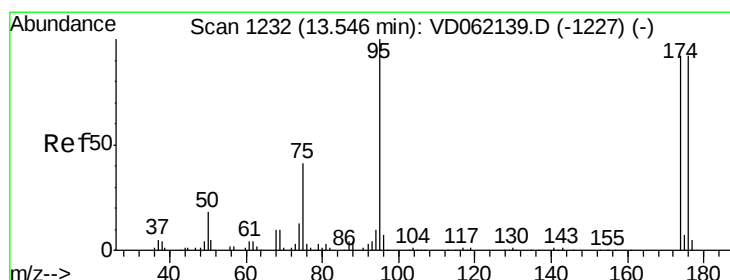
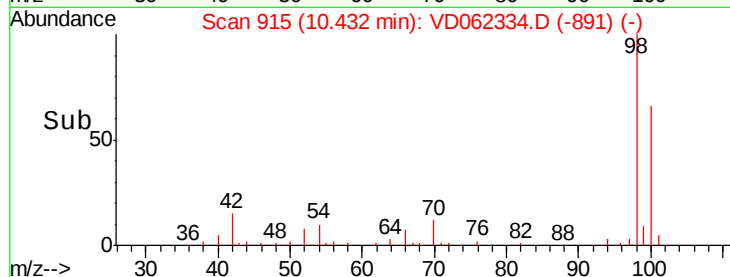
100000

50000

0

Time-->

10.30 10.40 10.50 10.60



#62

4-Bromofluorobenzene

Concen: 25.286 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.02 min

Lab File: VD062334.D

Acq: 14 May 2019 6:12

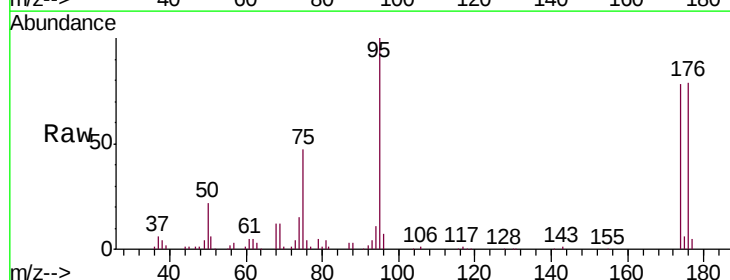
Tgt Ion: 95 Resp: 154201

Ion Ratio Lower Upper

95 100

174 77.7 0.0 181.8

176 79.5 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): VDC

Ion 175.90 (175.60 to 176.60): VDC

13.56

150000

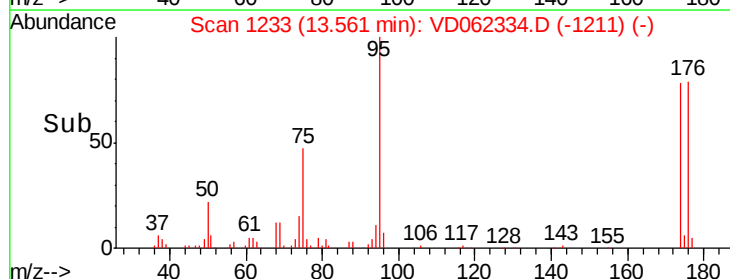
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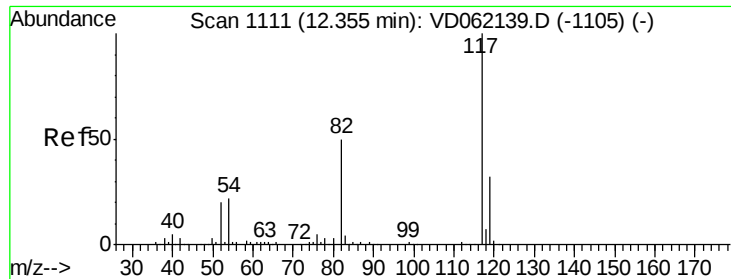
50000

0

Time-->

13.50 13.55 13.60 13.65

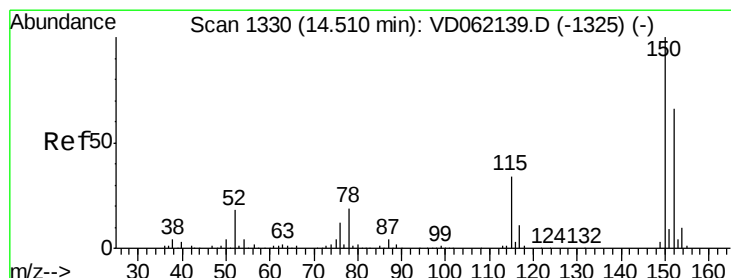
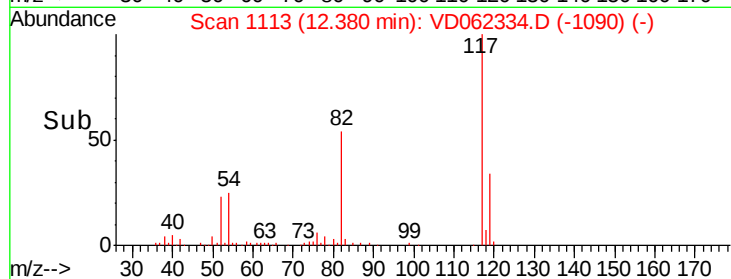
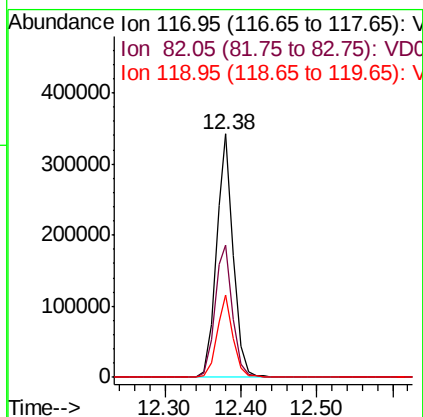
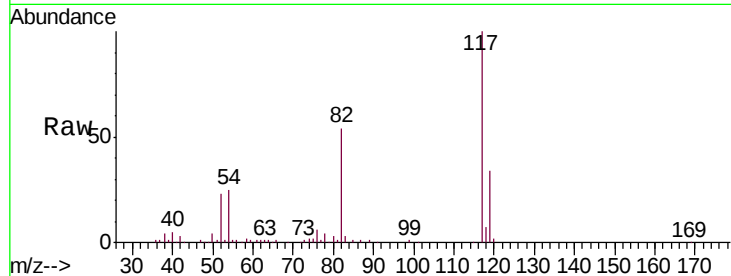




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.03 min
Lab File: VD062334.D
Acq: 14 May 2019 6:12

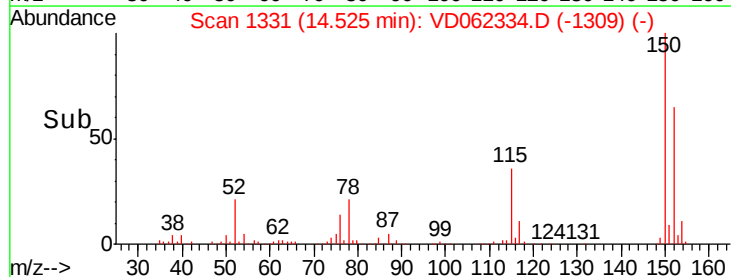
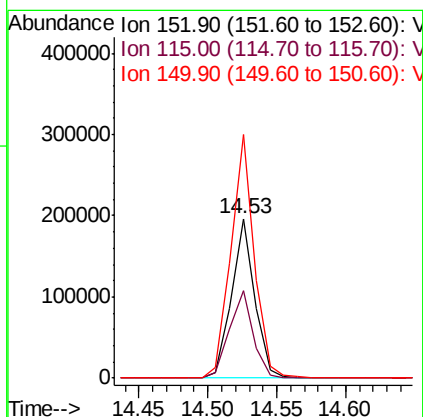
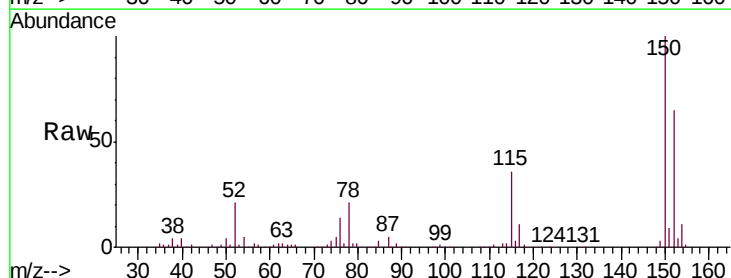
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MSVOA_D
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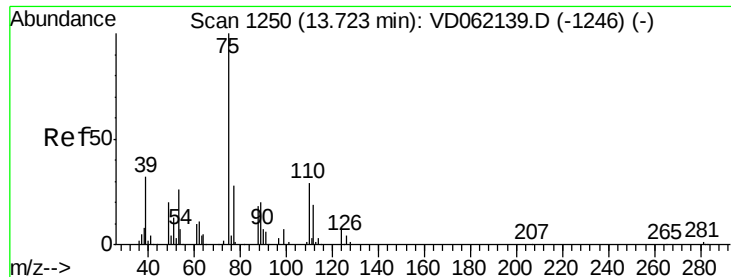
Tgt Ion:117 Resp: 531516
Ion Ratio Lower Upper
117 100
82 54.1 36.2 54.2
119 33.9 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.02 min
Lab File: VD062334.D
Acq: 14 May 2019 6:12

Tgt Ion:152 Resp: 228802
Ion Ratio Lower Upper
152 100
115 55.3 30.9 92.7
150 152.9 0.0 314.8





#76

1,2,3-Trichloropropane

Concen: 25.723 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.16 min

Lab File: VD062334.D

Acq: 14 May 2019 6:12

Instrument :

MSVOA_D

ClientSampleId :

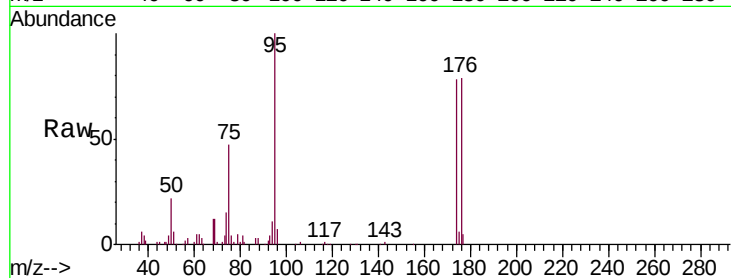
P026-SS016-1824-01

Tgt Ion: 75 Resp: 69945

Ion Ratio Lower Upper

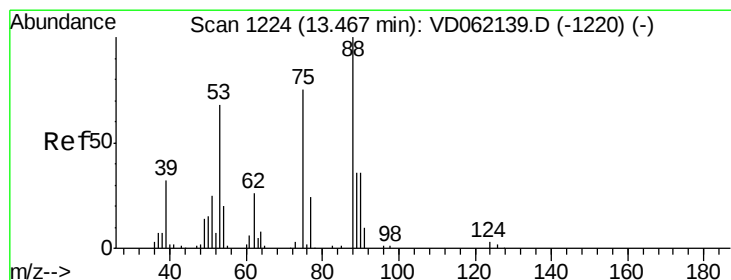
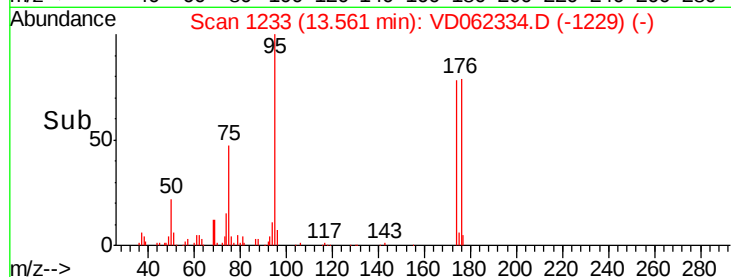
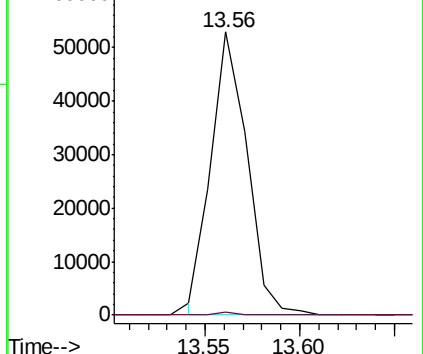
75 100

77 1.2 16.4 49.4#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 92.926 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD062334.D

Acq: 14 May 2019 6:12

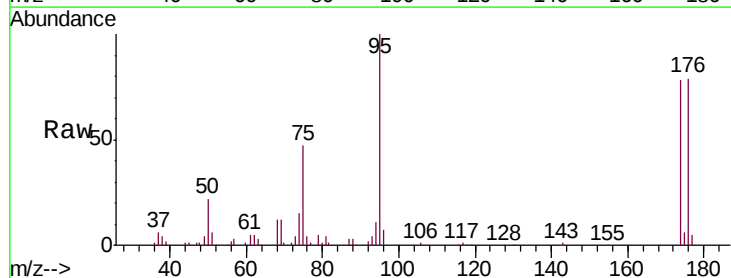
Tgt Ion: 75 Resp: 71332

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

