

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042219\
 Data File : VD061951.D
 Acq On : 22 Apr 2019 21:03
 Operator : VA/AP
 Sample : K2510-03
 Misc : 5.52g/5ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

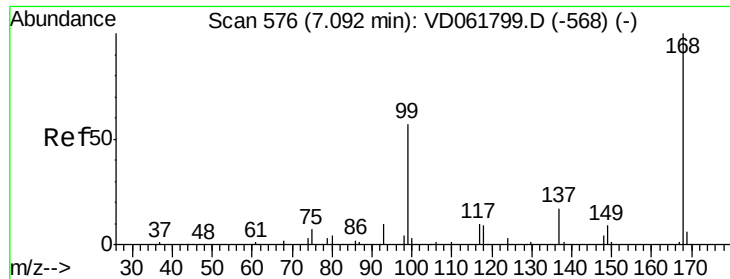
Quant Time: Apr 22 23:35:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 13:49:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	69777	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	124647	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	107932	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	50853	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	53432	91.37	ug/l	0.00
Spiked Amount			Recovery	=	182.74%	
35) Dibromofluoromethane	6.93	113	58424	62.04	ug/l	0.01
Spiked Amount			Recovery	=	124.08%	
50) Toluene-d8	10.41	98	117831	52.81	ug/l	0.00
Spiked Amount			Recovery	=	105.62%	
62) 4-Bromofluorobenzene	13.55	95	48981	54.16	ug/l	0.00
Spiked Amount			Recovery	=	108.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.18	94	735	2.606	ug/l #	12
10) Methyl Iodide	3.33	142	376	3.796	ug/l #	37
16) Acetone	3.22	43	23637	163.997	ug/l #	86
20) Methylene Chloride	3.83	84	4611	2.036	ug/l #	84
36) 1,1-Dichloropropene	7.04	75	4717	4.631	ug/l #	40
38) Carbon Tetrachloride	7.04	117	6230	4.844	ug/l #	12
51) 4-Methyl-2-Pentanone	10.41	43	423	1.128	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	19331	86.693	ug/l #	16

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.01 min

Lab File: VD061951.D

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Instrument :

MSVOA_D

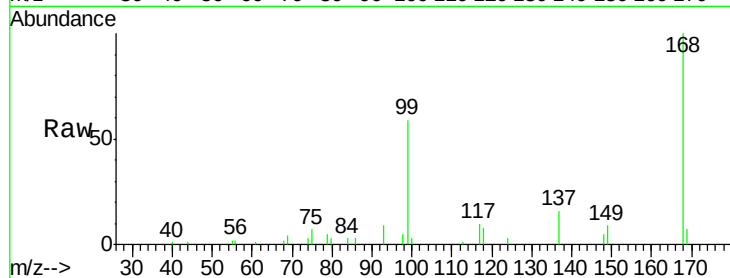
ClientSampleId :

Tot Ion:168 Resp: 69777

Ion Ratio Lower Upper

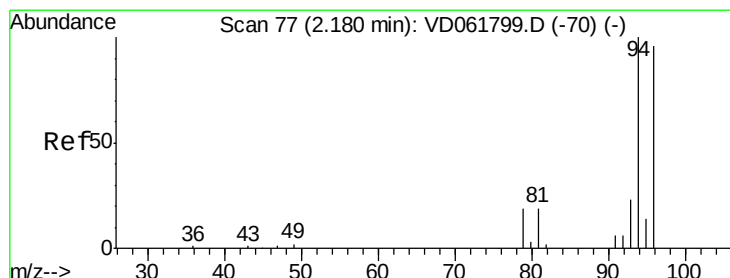
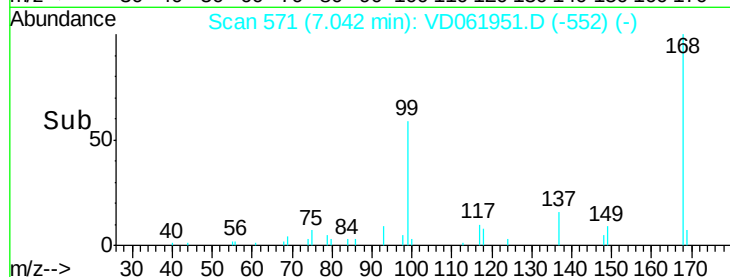
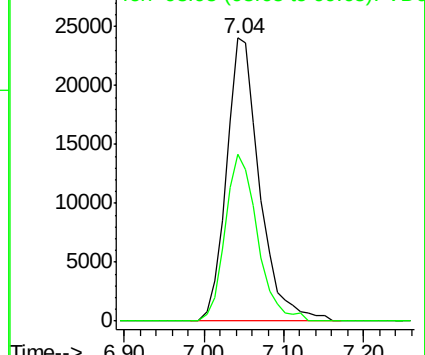
168 100

99 59.0 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 2.606 ug/l

RT: 2.18 min Scan# 77

Delta R.T. 0.03 min

Lab File: VD061951.D

Acq: 22 Apr 2019 21:03

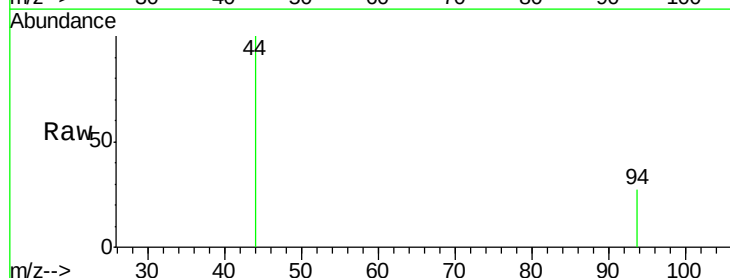
Tgt Ion: 94 Resp: 735

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

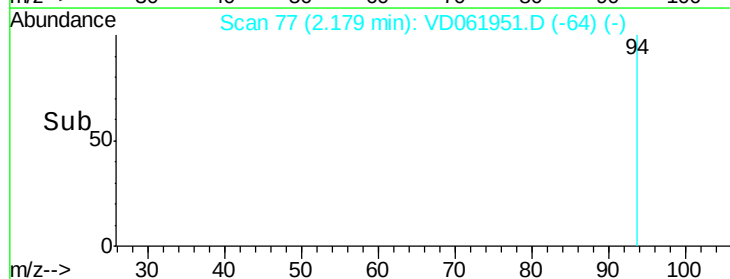
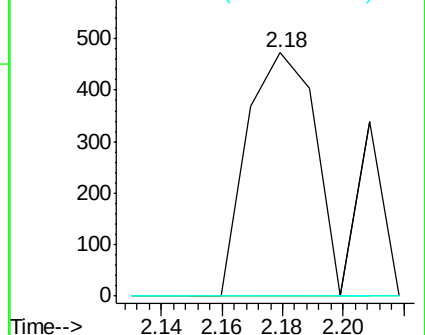
93 0.0 18.5 27.7#

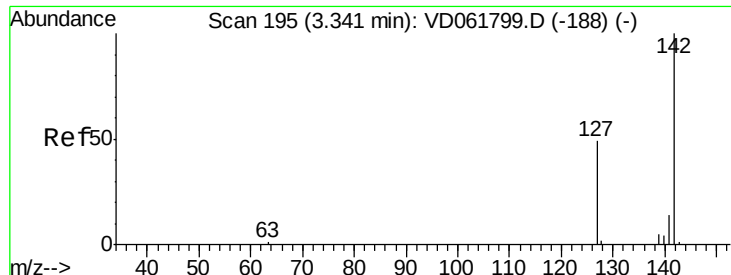


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

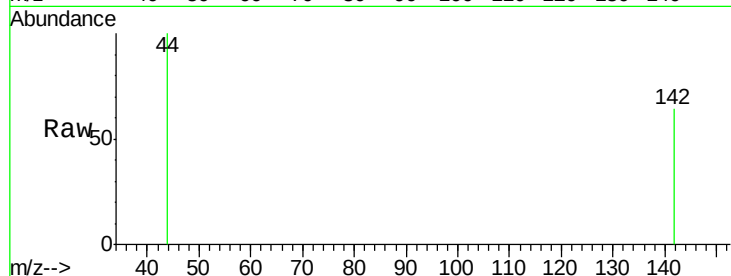




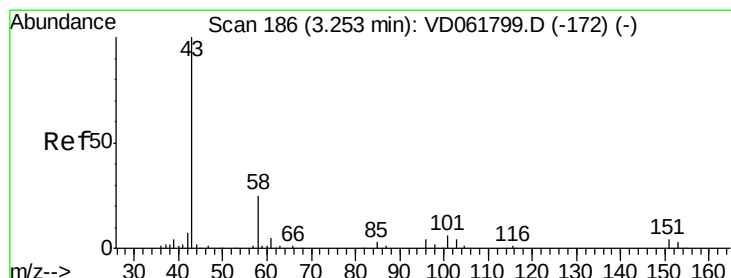
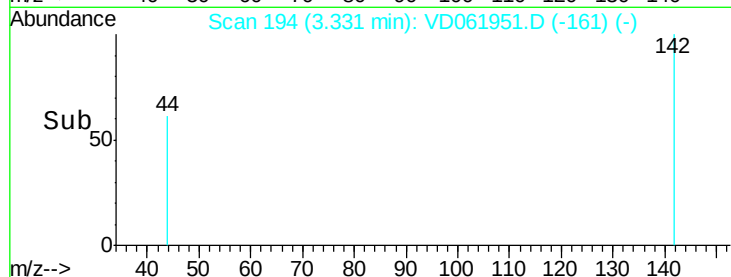
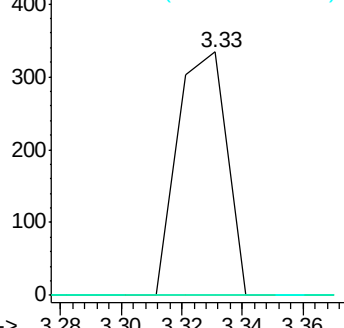
#10
Methvl Iodide
Concen: 3.796 ug/l
RT: 3.33 min Scan# 194
Delta R.T. 0.02 min
Lab File: VD061951.D
Acq: 22 Apr 2019 21:03

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:142 Resp: 376
Ion Ratio Lower Upper
142 100
127 0.0 38.8 58.2#
141 0.0 11.4 17.0#

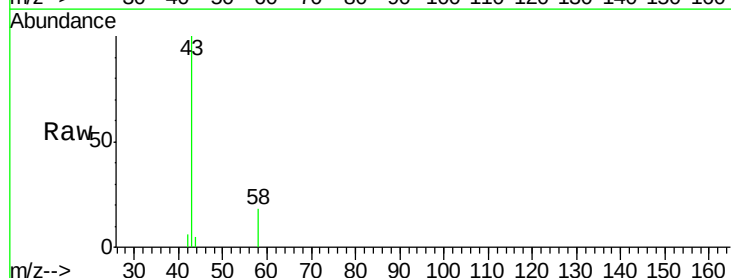


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

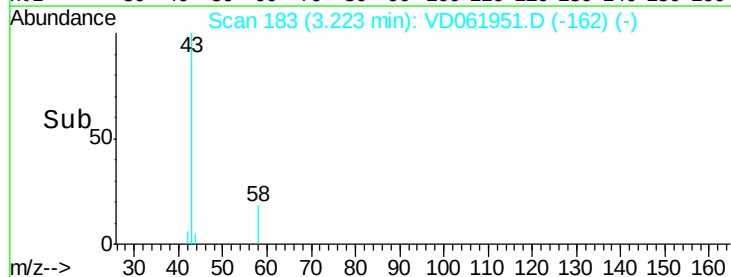
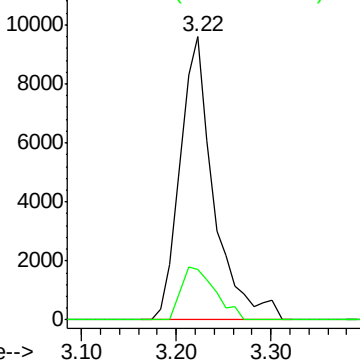


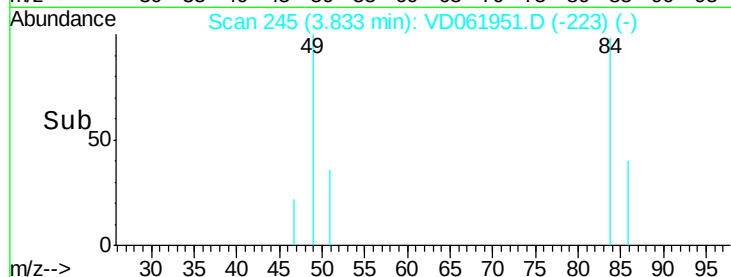
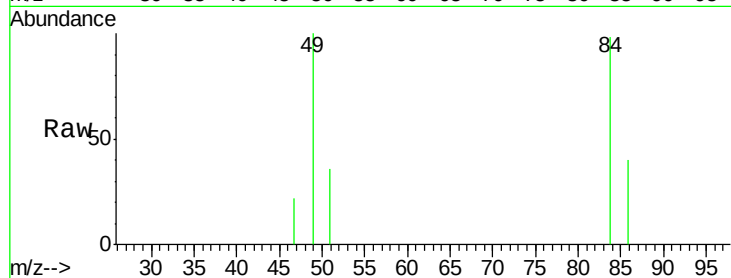
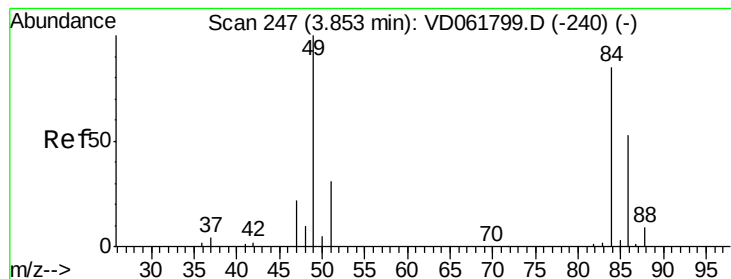
#16
Acetone
Concen: 163.997 ug/l
RT: 3.22 min Scan# 183
Delta R.T. 0.01 min
Lab File: VD061951.D
Acq: 22 Apr 2019 21:03

Tgt Ion: 43 Resp: 23637
Ion Ratio Lower Upper
43 100
58 17.8 19.9 29.9#



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





#20

Methylene Chloride

Concen: 2.036 ug/l

RT: 3.83 min Scan# 245

Delta R.T. 0.02 min

Lab File: VD061951.D

Acq: 22 Apr 2019 21:03

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 84 Resp: 4611

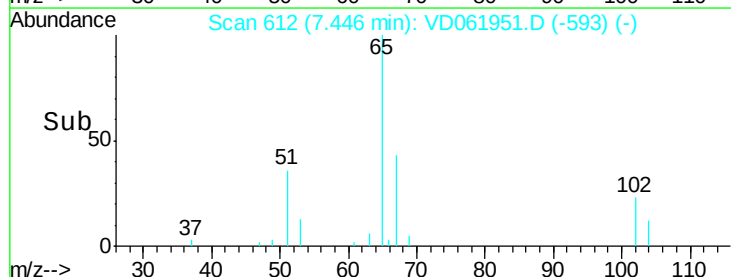
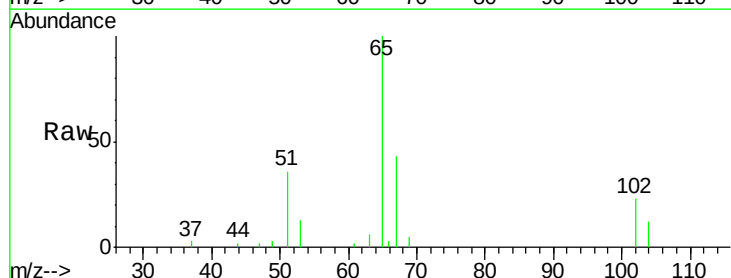
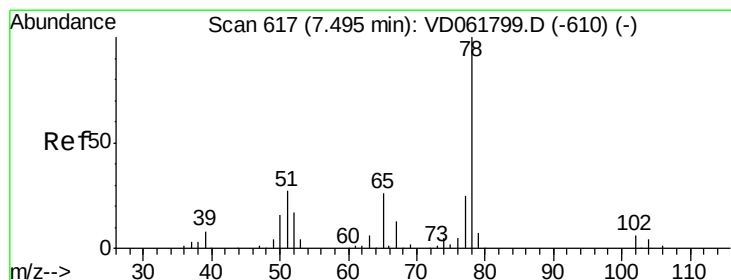
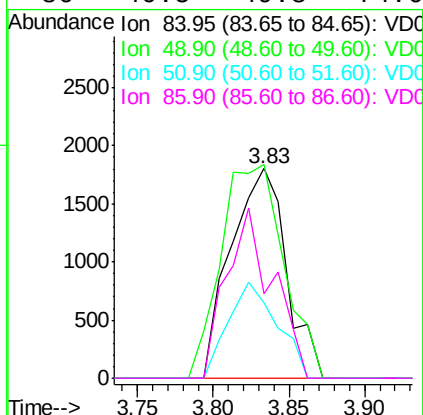
Ion Ratio Lower Upper

84 100

49 101.8 94.0 141.0

51 36.3 29.0 43.4

86 40.5 49.8 74.6#



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD061951.D

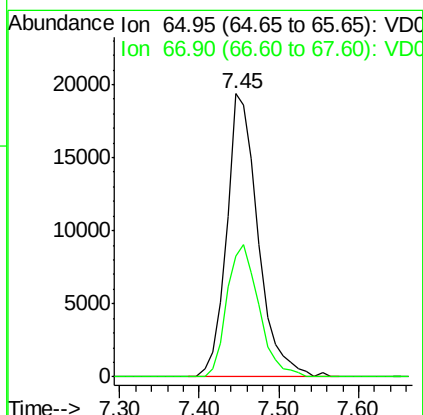
Acq: 22 Apr 2019 21:03

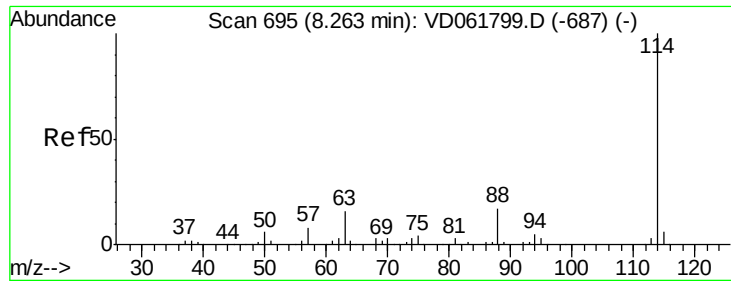
Tgt Ion: 65 Resp: 53432

Ion Ratio Lower Upper

65 100

67 42.6 0.0 98.0

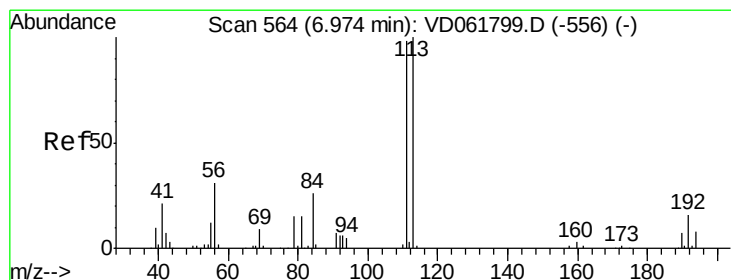
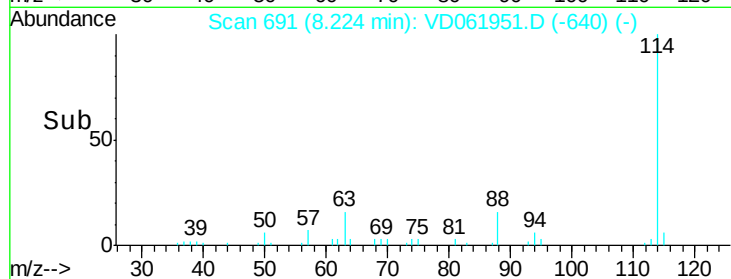
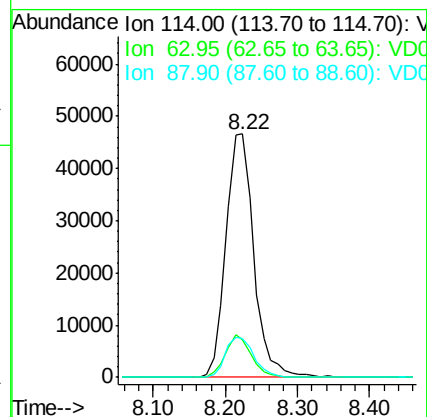
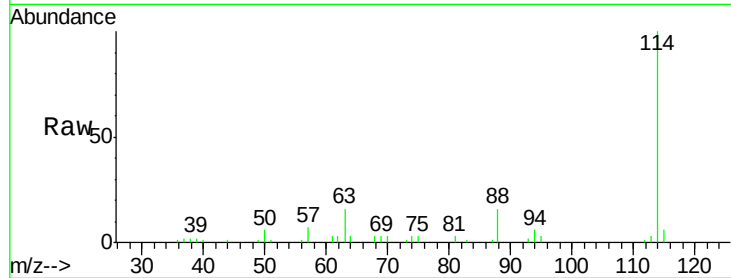




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 691
 Delta R.T. 0.00 min
 Lab File: VD061951.D
 Acq: 22 Apr 2019 21:03

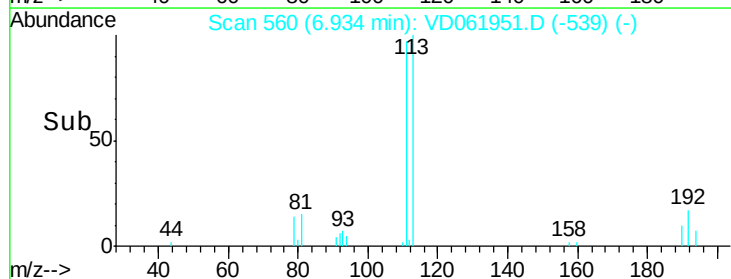
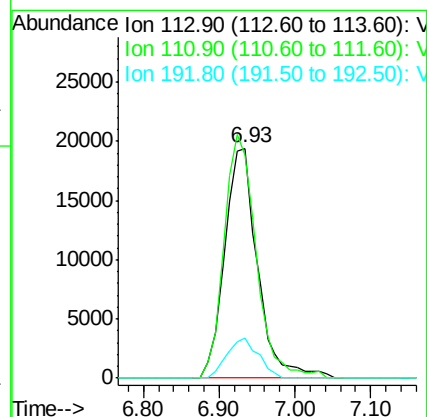
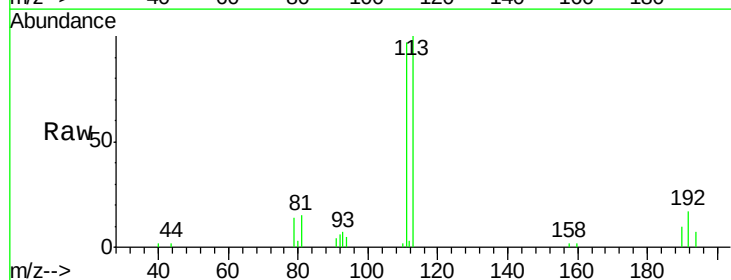
Instrument :
 MSVOA_D
 ClientSampleId :

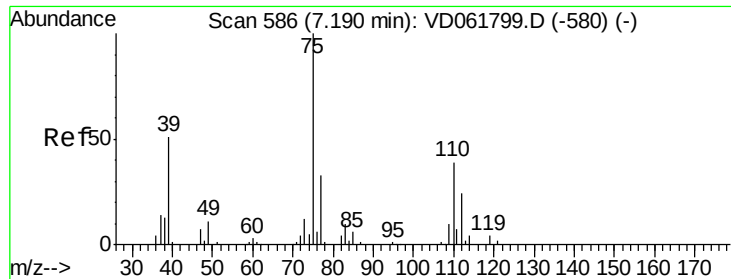
Tot Ion:114 Resp: 124647
 Ion Ratio Lower Upper
 114 100
 63 15.6 0.0 32.4
 88 15.8 0.0 33.6



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.93 min Scan# 560
 Delta R.T. 0.01 min
 Lab File: VD061951.D
 Acq: 22 Apr 2019 21:03

Tgt Ion:113 Resp: 58424
 Ion Ratio Lower Upper
 113 100
 111 97.2 78.5 117.7
 192 17.4 13.0 19.4

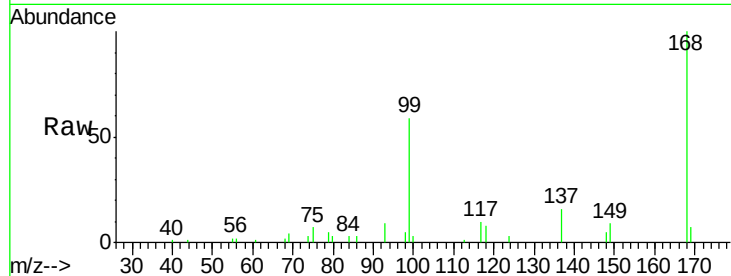




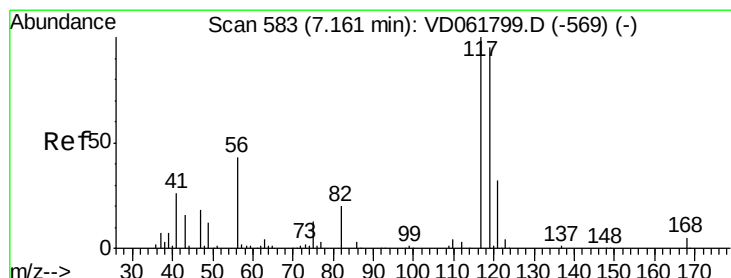
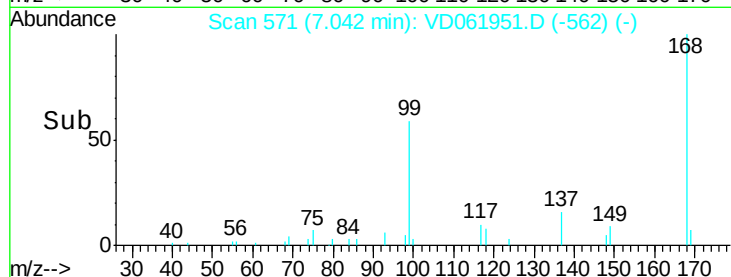
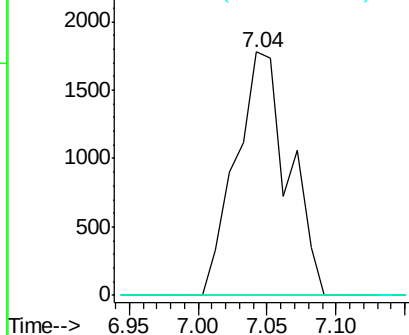
#36
 1,1-Dichloropropene
 Concen: 4.631 ug/l
 RT: 7.04 min Scan# 571
 Delta R.T. -0.11 min
 Lab File: VD061951.D
 Acq: 22 Apr 2019 21:03

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion: 75 Resp: 4717
 Ion Ratio Lower Upper
 75 100
 110 0.0 19.1 57.1#
 77 0.0 25.6 38.4#

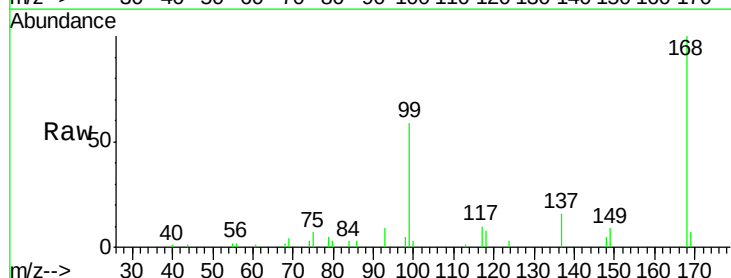


Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): VDC
 Ion 76.95 (76.65 to 77.65): VDC

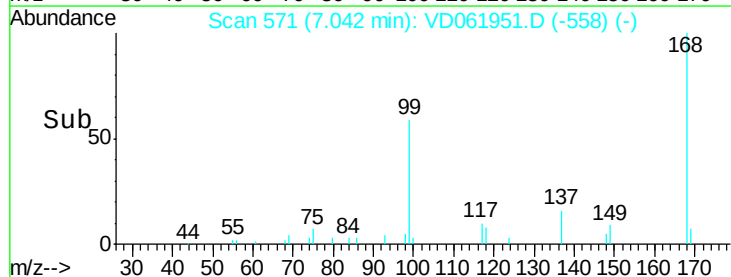
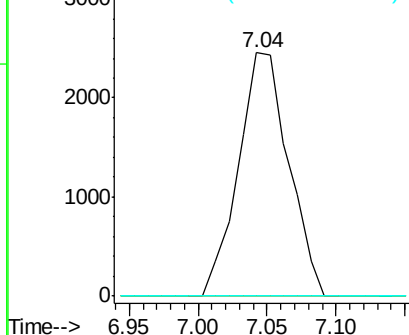


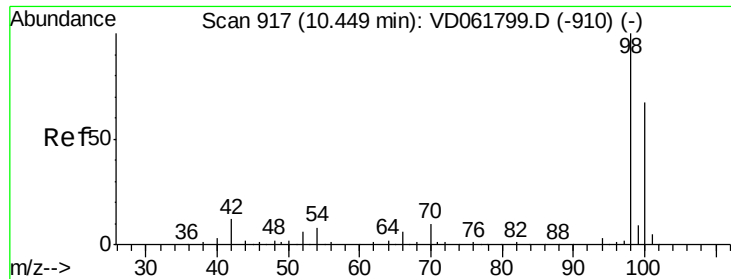
#38
 Carbon Tetrachloride
 Concen: 4.844 ug/l
 RT: 7.04 min Scan# 571
 Delta R.T. -0.07 min
 Lab File: VD061951.D
 Acq: 22 Apr 2019 21:03

Tgt Ion: 117 Resp: 6230
 Ion Ratio Lower Upper
 117 100
 119 0.0 75.8 113.8#
 121 0.0 25.9 38.9#



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

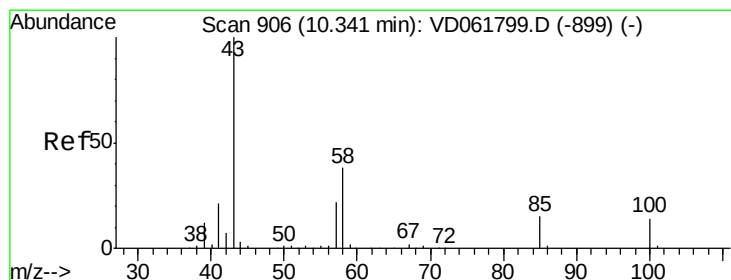
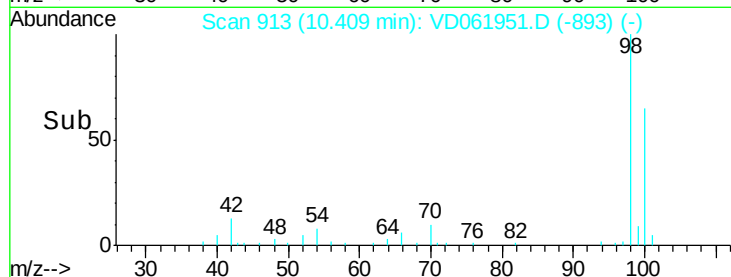
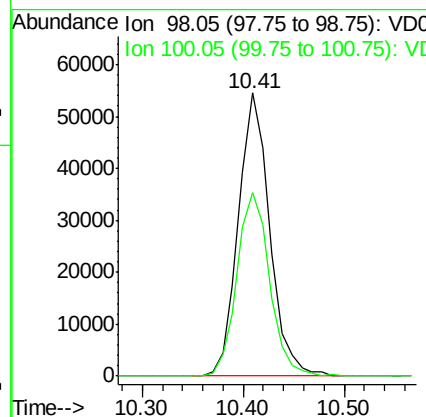
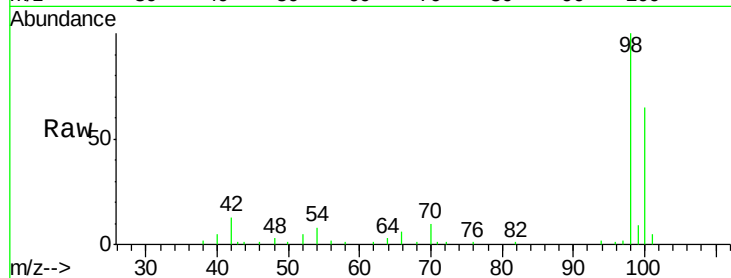




#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD061951.D
Acq: 22 Apr 2019 21:03

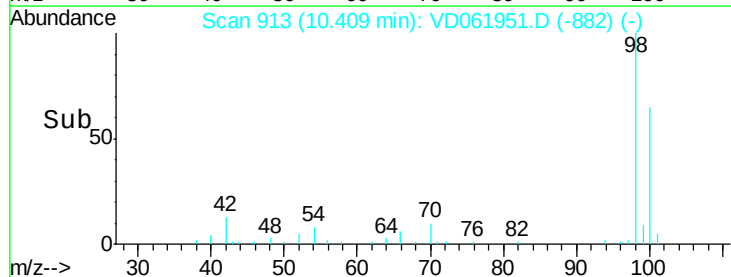
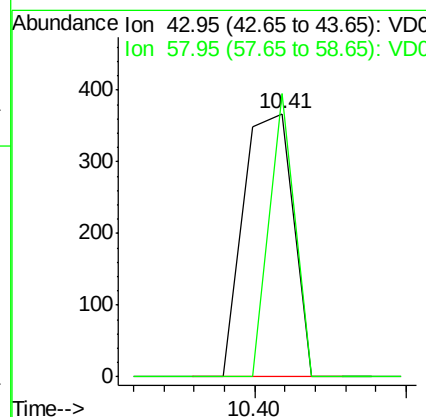
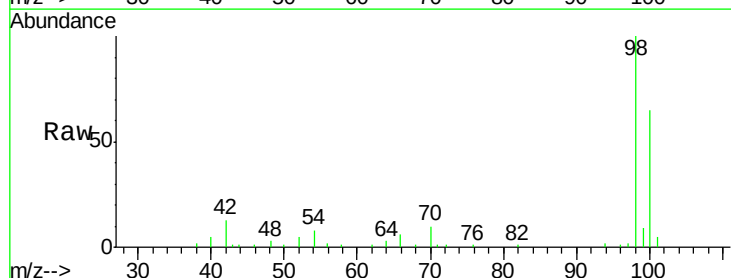
Instrument :
MSVOA_D
ClientSampled :

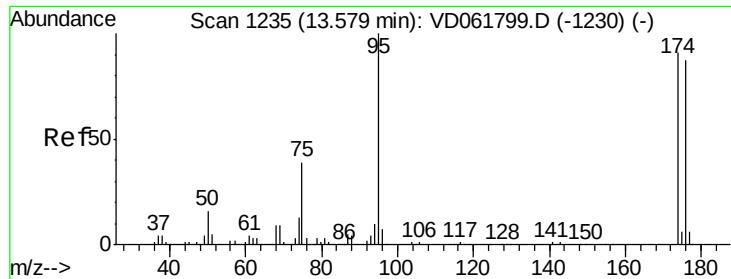
Tot Ion: 98 Resp: 117831
Ion Ratio Lower Upper
98 100
100 64.8 53.8 80.8



#51
4-Methyl-2-Pentanone
Concen: 1.128 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.11 min
Lab File: VD061951.D
Acq: 22 Apr 2019 21:03

Tgt Ion: 43 Resp: 423
Ion Ratio Lower Upper
43 100
58 107.6 30.4 45.6#

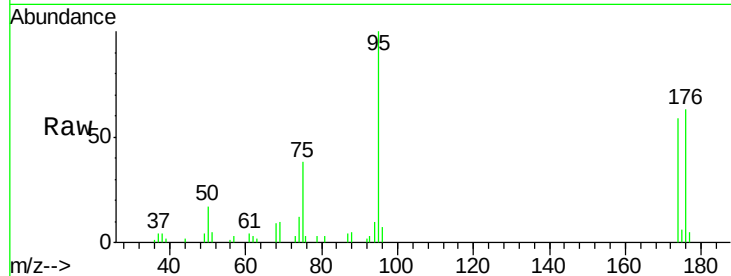




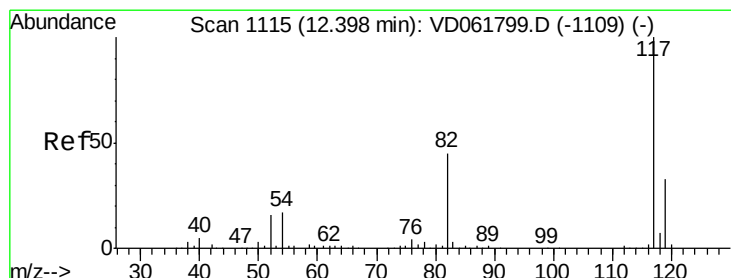
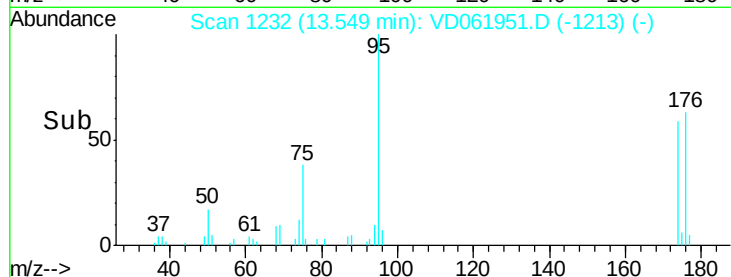
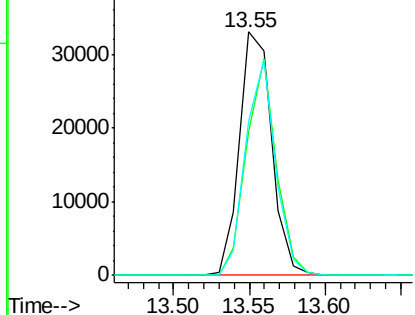
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD061951.D
Acq: 22 Apr 2019 21:03

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 95 Resp: 48981
Ion Ratio Lower Upper
95 100
174 58.8 0.0 181.8
176 63.1 0.0 174.4

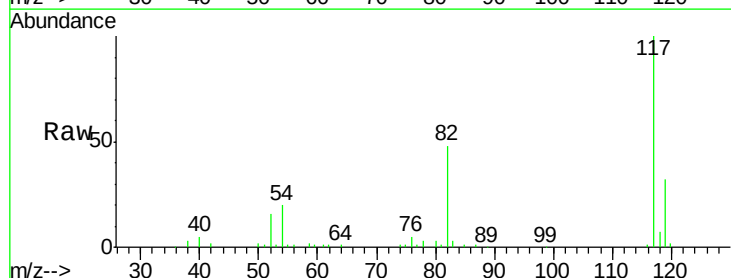


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

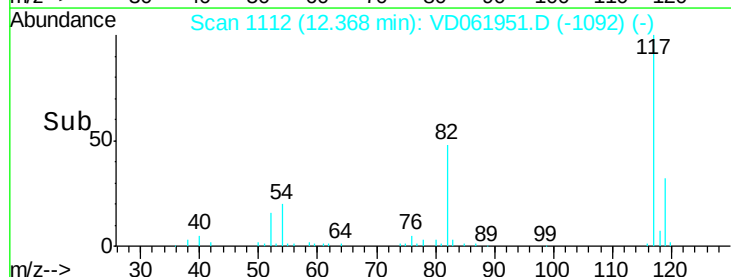
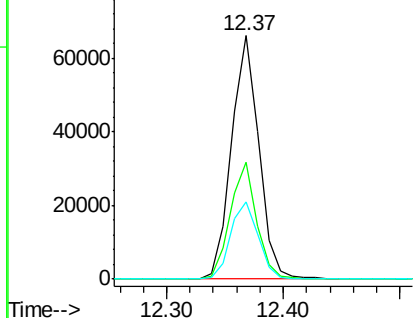


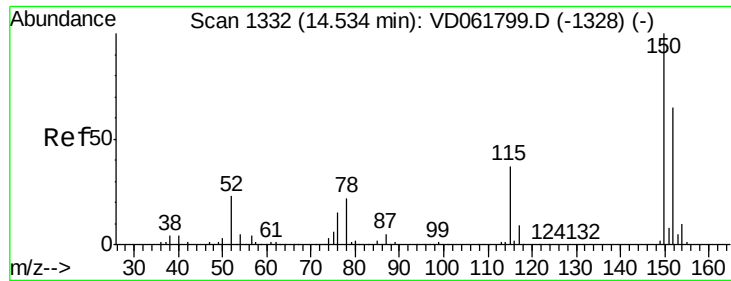
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD061951.D
Acq: 22 Apr 2019 21:03

Tgt Ion: 117 Resp: 107932
Ion Ratio Lower Upper
117 100
82 47.8 36.2 54.2
119 31.6 26.2 39.4



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



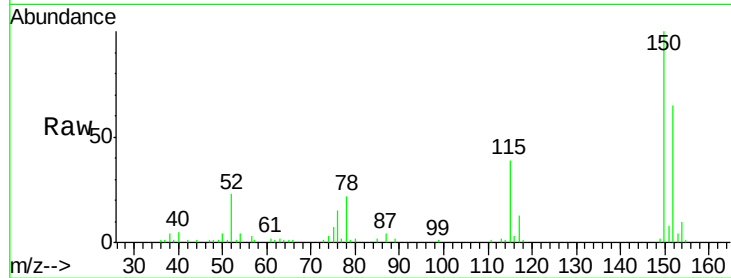


#72

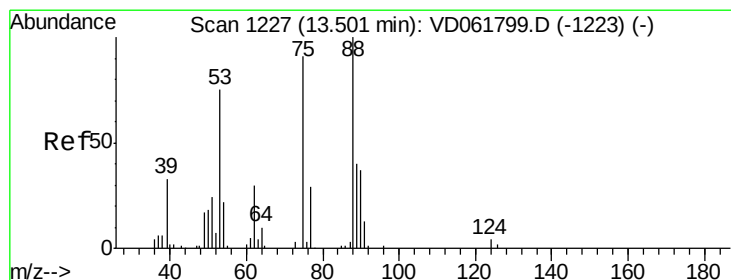
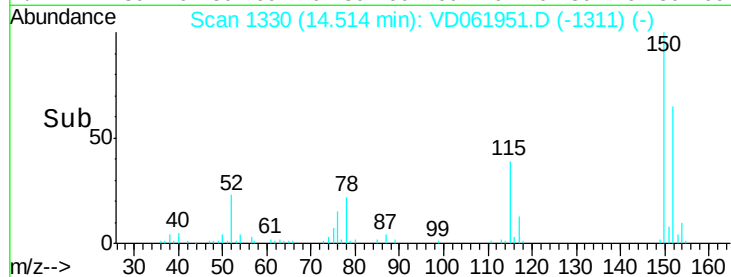
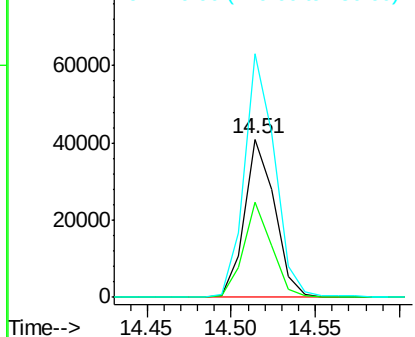
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD061951.D
Acq: 22 Apr 2019 21:03

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:152 Resp: 50853
Ion Ratio Lower Upper
152 100
115 60.0 30.9 92.7
150 154.2 0.0 314.8



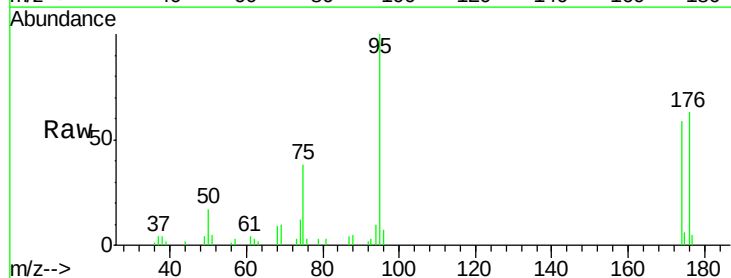
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 86.693 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.08 min
Lab File: VD061951.D
Acq: 22 Apr 2019 21:03

Tgt Ion: 75 Resp: 19331
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

