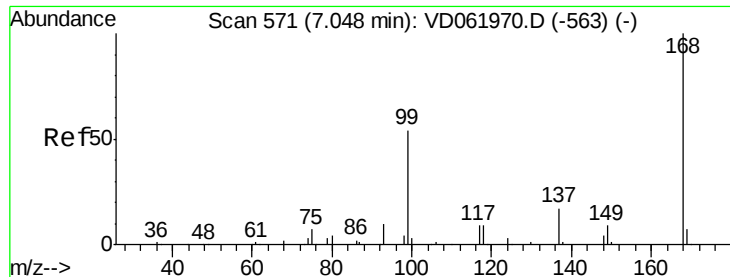


Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD043019\
 Data File : VD062091.D
 Acq On : 30 Apr 2019 17:02
 Operator : FY/SY
 Sample : K2623-02
 Misc : 5.35g/5mL/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 01 01:16:17 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	7.02	168	382386	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.19	114	644303	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.35	117	471891	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.50	152	196976	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.42	65	204101	68.20	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	136.40%	
35) Dibromofluoromethane	6.89	113	282734	63.45	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	126.90%	
50) Toluene-d8	10.39	98	595759	56.19	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	112.38%	
62) 4-Bromofluorobenzene	13.54	95	226577	53.28	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	106.56%	
Target Compounds						
5) Bromomethane	2.15	94	199	Below Cal	#	12
10) Methyl Iodide	3.32	142	181	5.457	ug/l #	37
16) Acetone	3.20	43	1943	2.719	ug/l #	50
20) Methylene Chloride	3.79	84	15628	1.392	ug/l	85
31) Cyclohexane	7.01	56	6615	1.484	ug/l #	1
36) 1,1-Dichloropropene	7.01	75	27672	5.513	ug/l #	46
38) Carbon Tetrachloride	7.02	117	37010	5.818	ug/l #	16
51) 4-Methyl-2-Pentanone	10.39	43	2243	1.173	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.54	75	87404	115.310	ug/l #	16

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 568

Delta R.T. -0.03 min

Lab File: VD062091.D

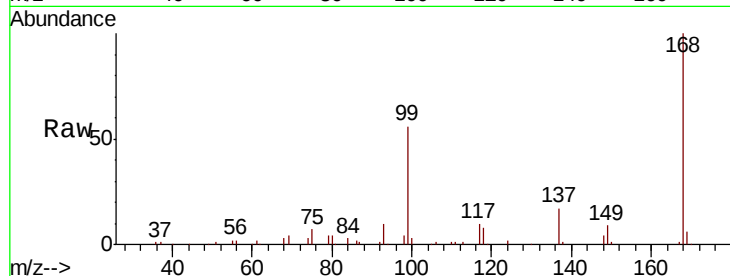
Acq: 30 Apr 2019 17:02

Tot Ion:168 Resp: 382386

Ion Ratio Lower Upper

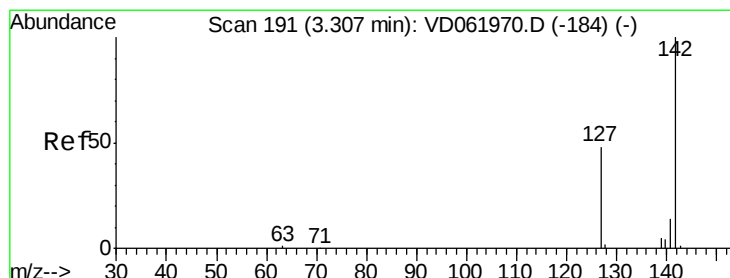
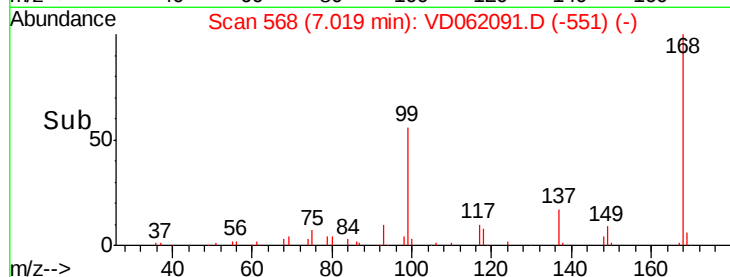
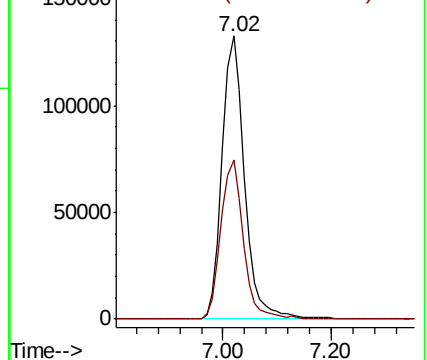
168 100

99 56.2 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V



#10

Methyl Iodide

Concen: 5.457 ug/l

RT: 3.32 min Scan# 192

Delta R.T. -0.00 min

Lab File: VD062091.D

Acq: 30 Apr 2019 17:02

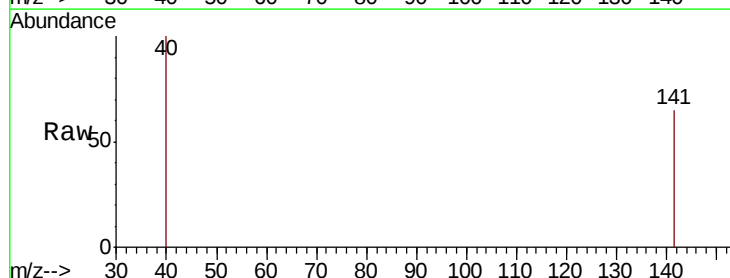
Tgt Ion:142 Resp: 181

Ion Ratio Lower Upper

142 100

127 0.0 38.8 58.2#

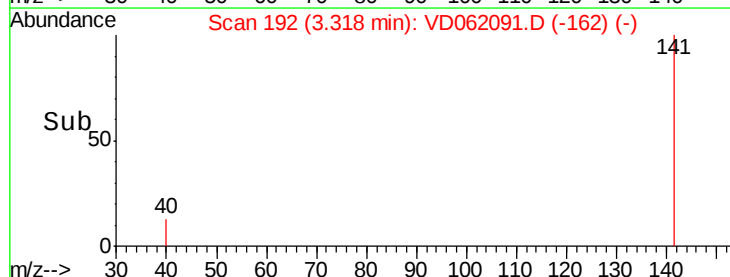
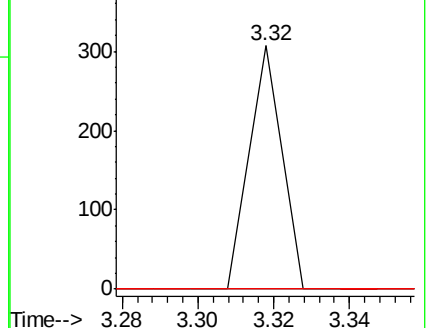
141 0.0 11.4 17.0#

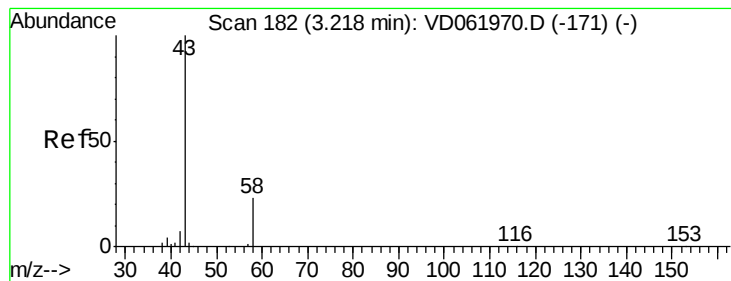


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#16

Acetone

Concen: 2.719 ug/l

RT: 3.20 min Scan# 180

Delta R.T. -0.02 min

Lab File: VD062091.D

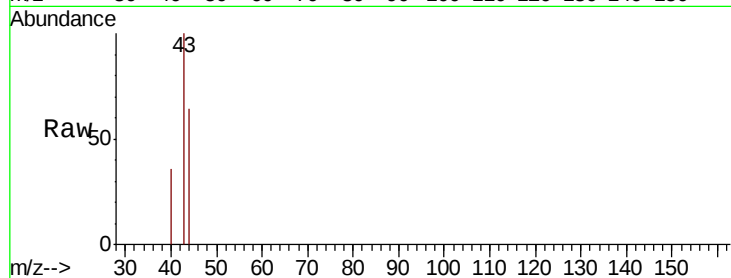
Acq: 30 Apr 2019 17:02

Tot Ion: 43 Resp: 1943

Ion Ratio Lower Upper

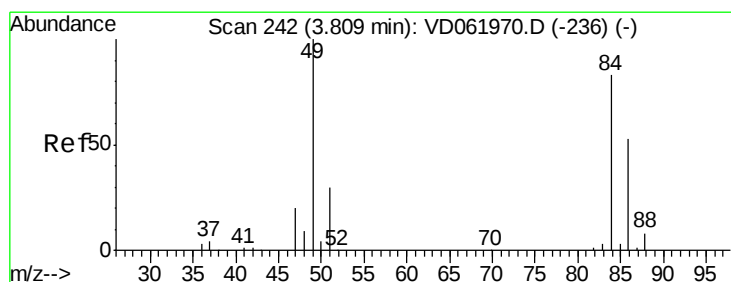
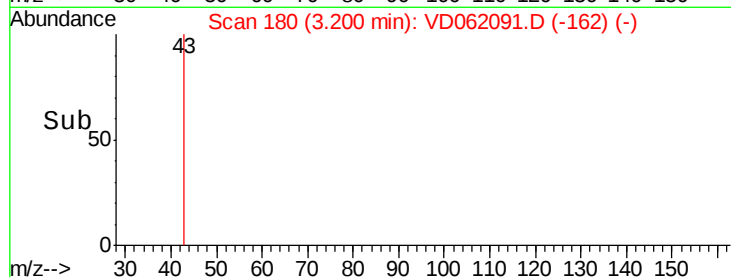
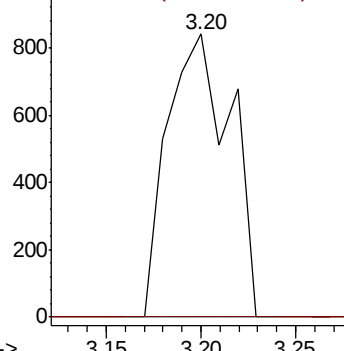
43 100

58 0.0 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: 1.392 ug/l

RT: 3.79 min Scan# 240

Delta R.T. -0.03 min

Lab File: VD062091.D

Acq: 30 Apr 2019 17:02

Tgt Ion: 84 Resp: 15628

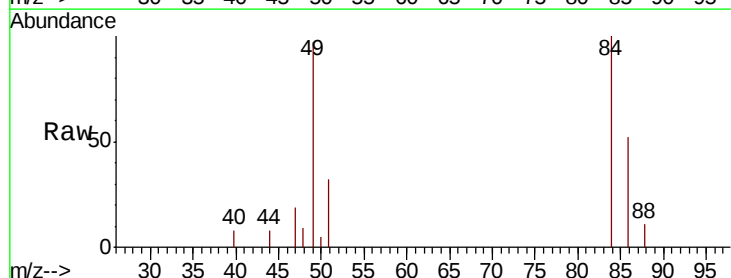
Ion Ratio Lower Upper

84 100

49 96.6 94.0 141.0

51 32.3 29.0 43.4

86 52.3 49.8 74.6

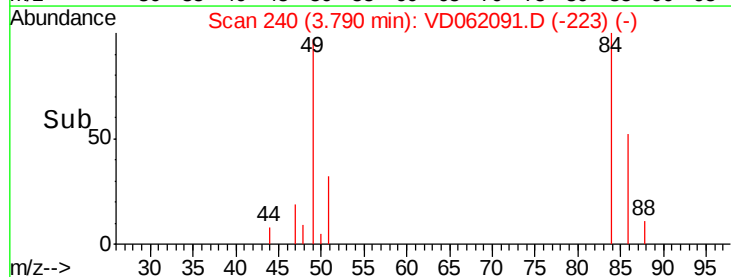
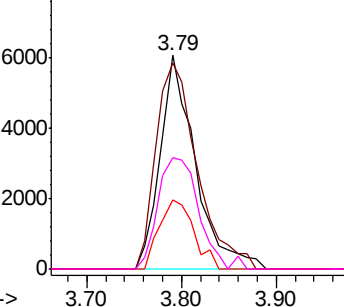


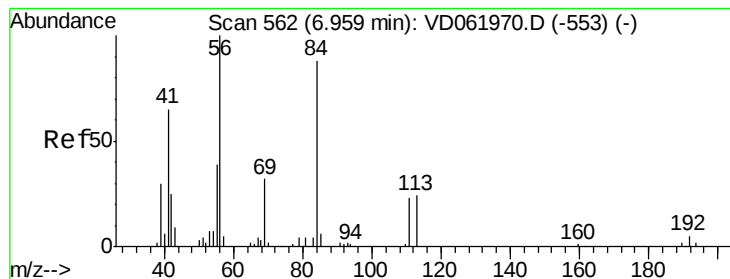
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

Cvclohexane

Concen: 1.484 ug/l

RT: 7.01 min Scan# 567

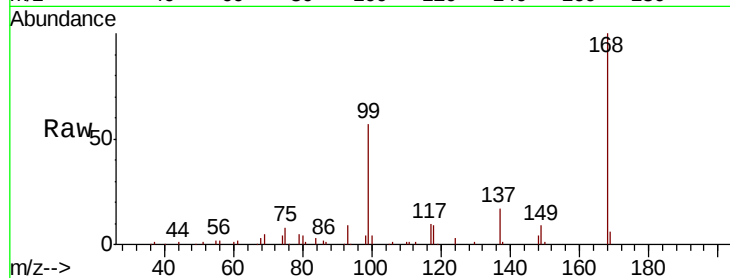
Delta R.T. 0.05 min

Lab File: VD062091.D

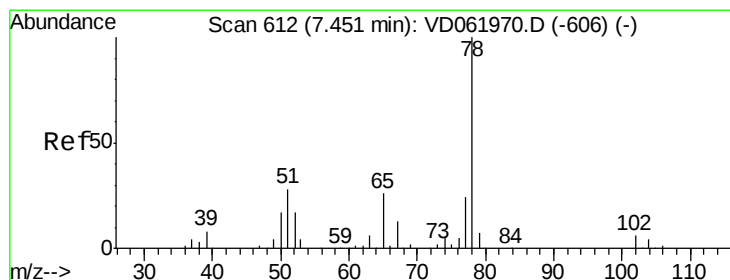
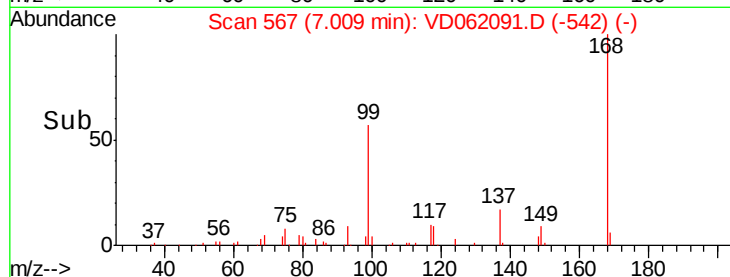
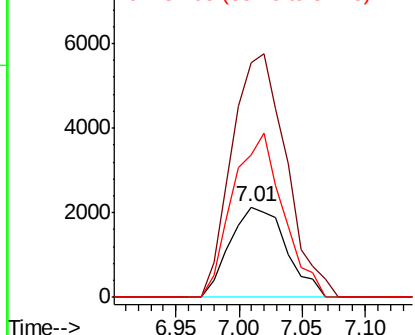
Acq: 30 Apr 2019 17:02

Tot Ion: 56 Resp: 6615

Ion	Ratio	Lower	Upper
56	100		
69	259.2	25.8	38.6#
84	157.9	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: 68.198 ug/l

RT: 7.42 min Scan# 609

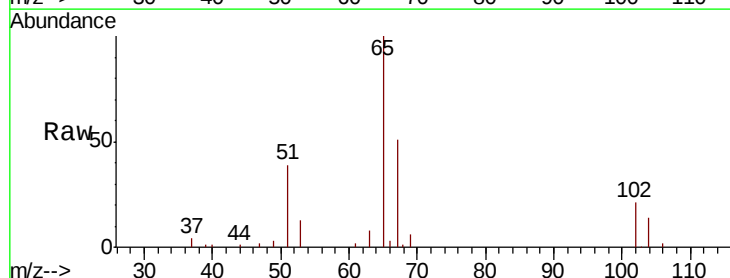
Delta R.T. -0.03 min

Lab File: VD062091.D

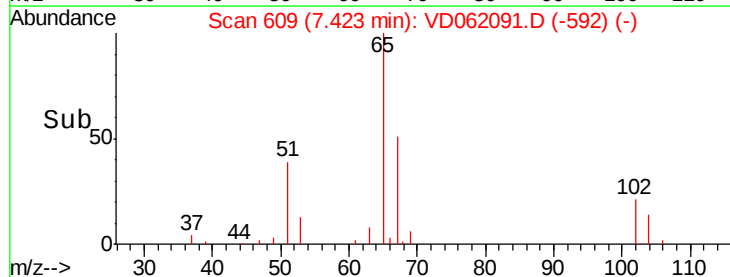
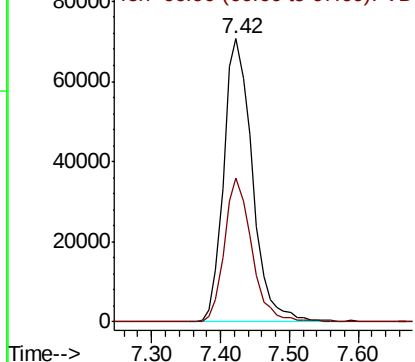
Acq: 30 Apr 2019 17:02

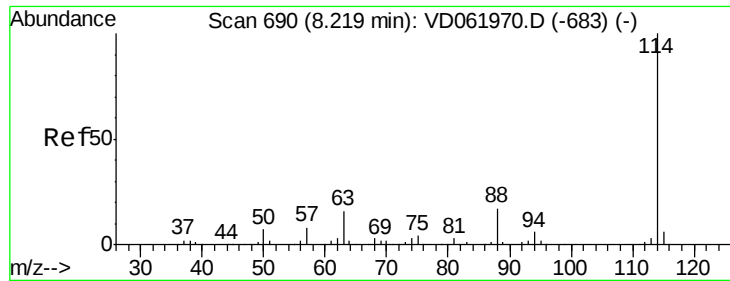
Tgt Ion: 65 Resp: 204101

Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	98.0



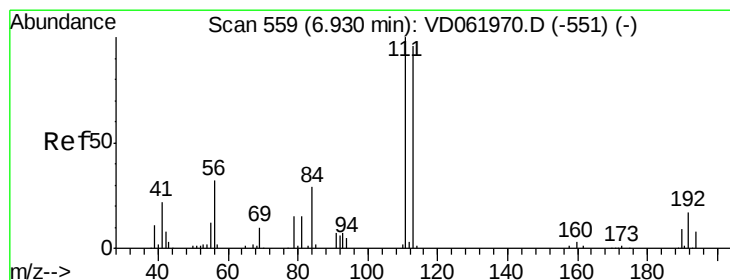
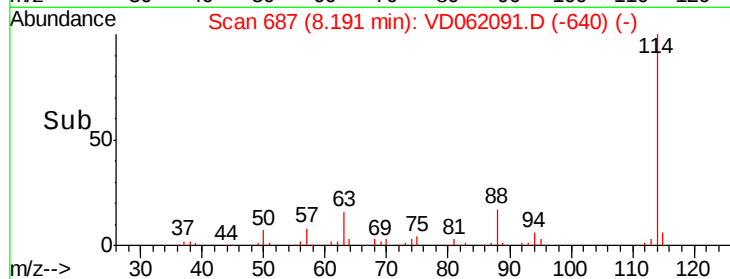
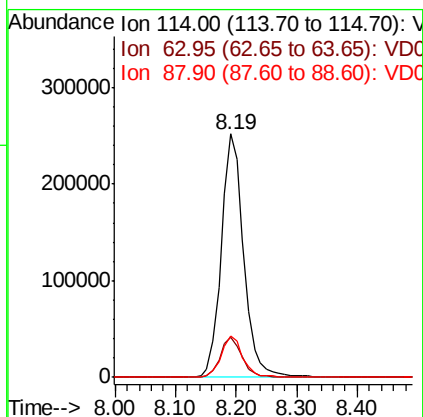
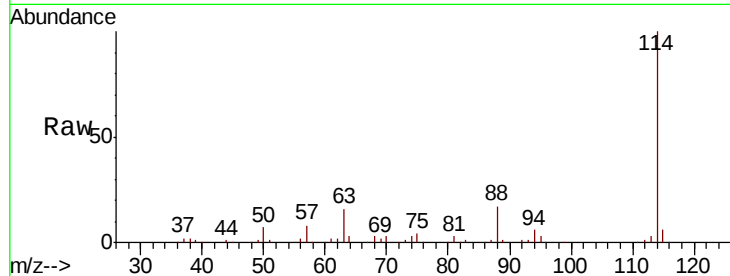
Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC





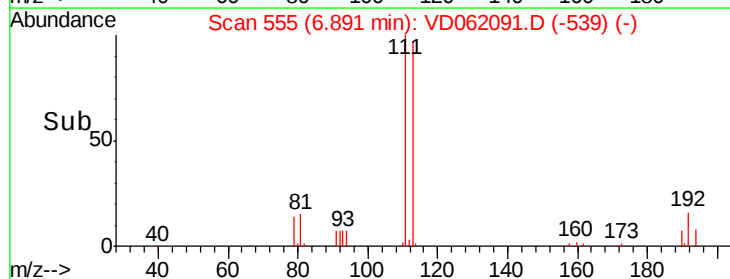
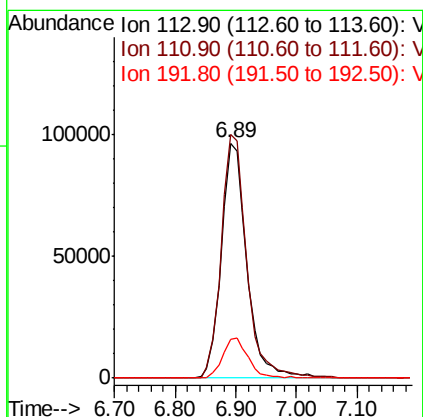
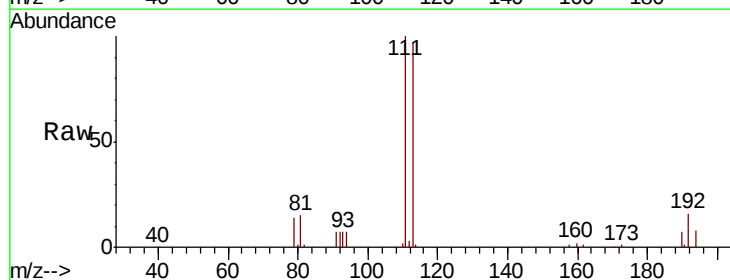
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.19 min Scan# 687
 Delta R.T. -0.03 min
 Lab File: VD062091.D
 Acq: 30 Apr 2019 17:02

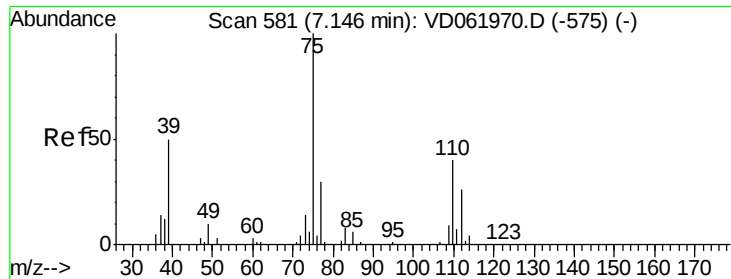
Tot Ion:114 Resp: 644303
 Ion Ratio Lower Upper
 114 100
 63 16.3 0.0 32.4
 88 17.3 0.0 33.6



#35
 Dibromofluoromethane
 Concen: 63.451 ug/l
 RT: 6.89 min Scan# 555
 Delta R.T. -0.04 min
 Lab File: VD062091.D
 Acq: 30 Apr 2019 17:02

Tgt Ion:113 Resp: 282734
 Ion Ratio Lower Upper
 113 100
 111 103.5 78.5 117.7
 192 16.5 13.0 19.4





#36

1,1-Dichloropropene

Concen: 5.513 ug/l

RT: 7.01 min Scan# 567

Delta R.T. -0.14 min

Lab File: VD062091.D

Acq: 30 Apr 2019 17:02

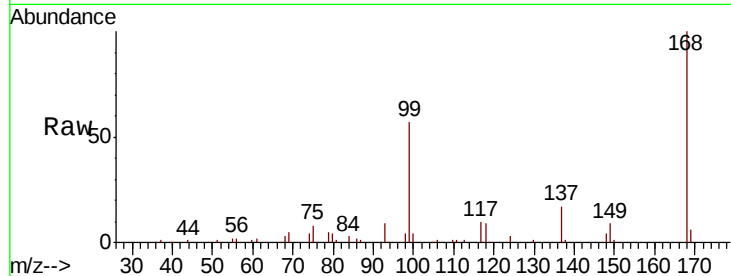
Tot Ion: 75 Resp: 27672

Ion Ratio Lower Upper

75 100

110 7.0 19.1 57.1#

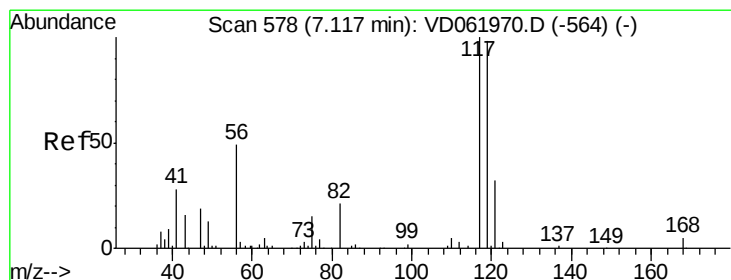
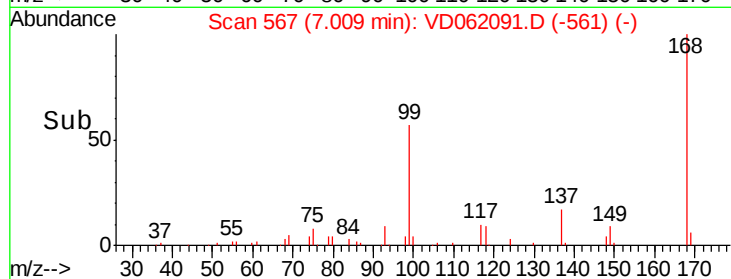
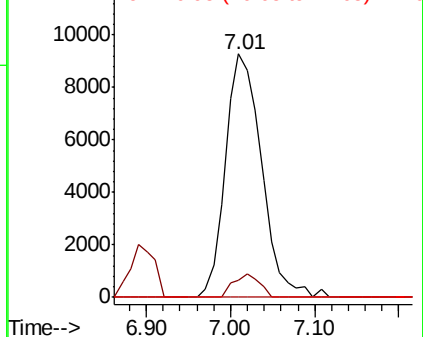
77 0.0 25.6 38.4#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V



#38

Carbon Tetrachloride

Concen: 5.818 ug/l

RT: 7.02 min Scan# 568

Delta R.T. -0.10 min

Lab File: VD062091.D

Acq: 30 Apr 2019 17:02

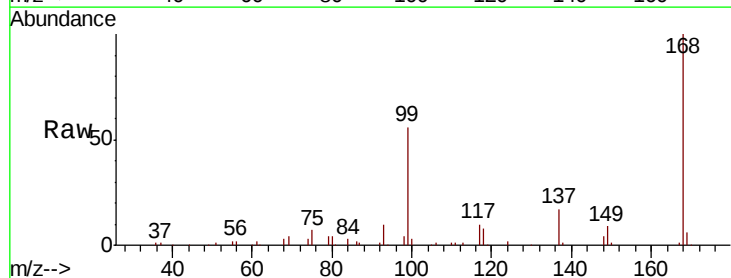
Tgt Ion: 117 Resp: 37010

Ion Ratio Lower Upper

117 100

119 4.1 75.8 113.8#

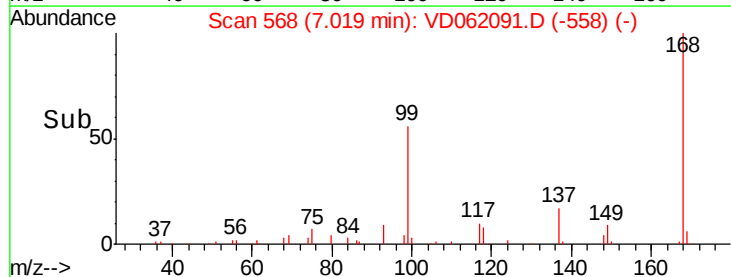
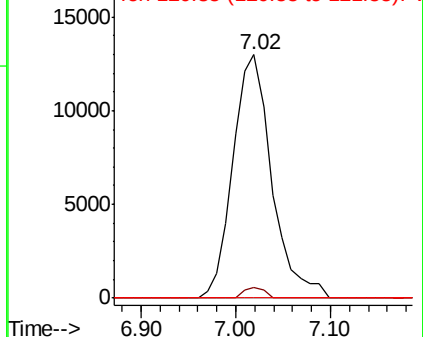
121 0.0 25.9 38.9#

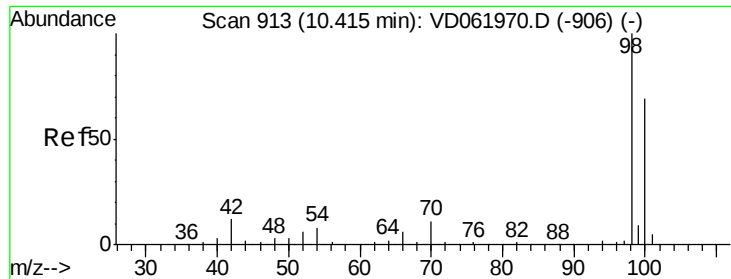


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

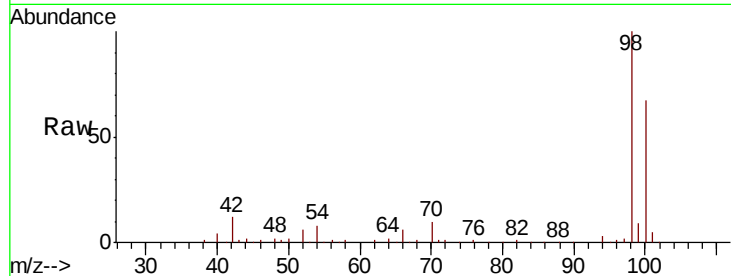
Ion 120.85 (120.55 to 121.55): V



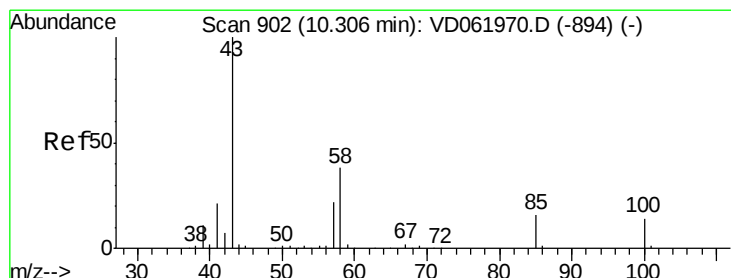
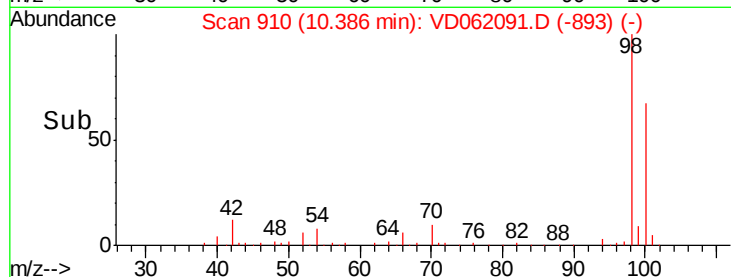
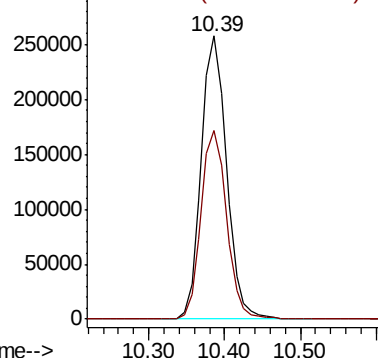


#50
Toluene-d8
Concen: 56.188 ug/l
RT: 10.39 min Scan# 910
Delta R.T. -0.03 min
Lab File: VD062091.D
Acq: 30 Apr 2019 17:02

Tot Ion: 98 Resp: 595759
Ion Ratio Lower Upper
98 100
100 66.6 53.8 80.8

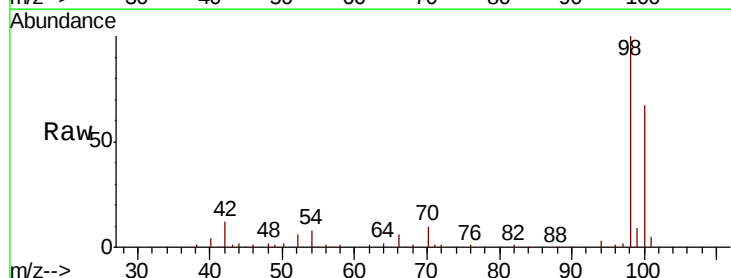


Abundance Ion 98.05 (97.75 to 98.75): VD061970.D (-906) (-)
Ion 100.05 (99.75 to 100.75): VD061970.D (-906) (-)

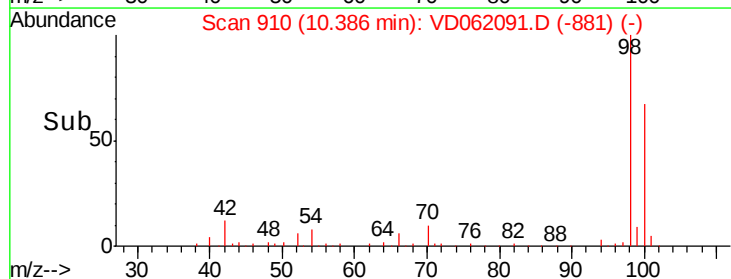
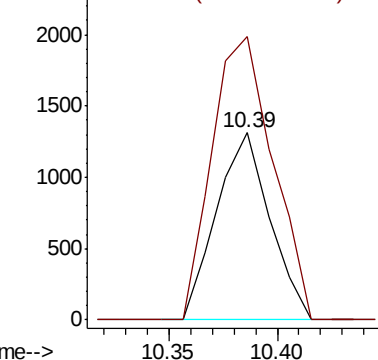


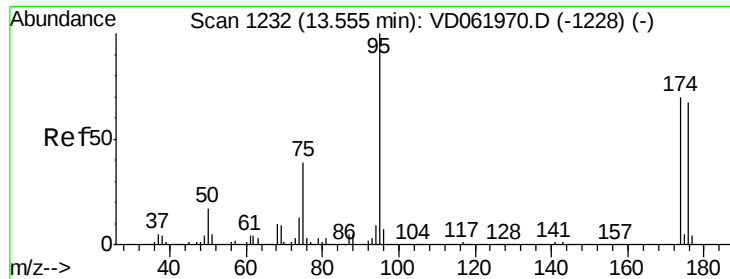
#51
4-Methyl-2-Pentanone
Concen: 1.173 ug/l
RT: 10.39 min Scan# 910
Delta R.T. 0.09 min
Lab File: VD062091.D
Acq: 30 Apr 2019 17:02

Tgt Ion: 43 Resp: 2243
Ion Ratio Lower Upper
43 100
58 151.5 30.4 45.6#



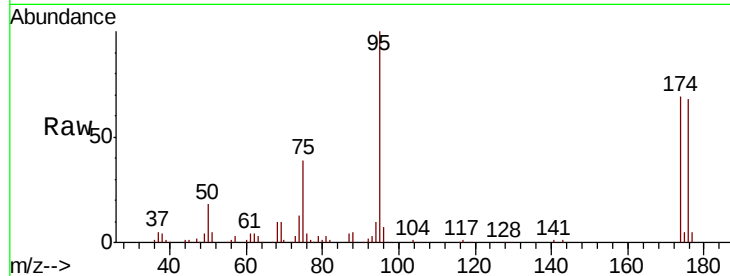
Abundance Ion 42.95 (42.65 to 43.65): VD061970.D (-894) (-)
Ion 57.95 (57.65 to 58.65): VD061970.D (-894) (-)





#62
4-Bromofluorobenzene
Concen: 53.277 ug/l
RT: 13.54 min Scan# 1230
Delta R.T. -0.02 min
Lab File: VD062091.D
Acq: 30 Apr 2019 17:02

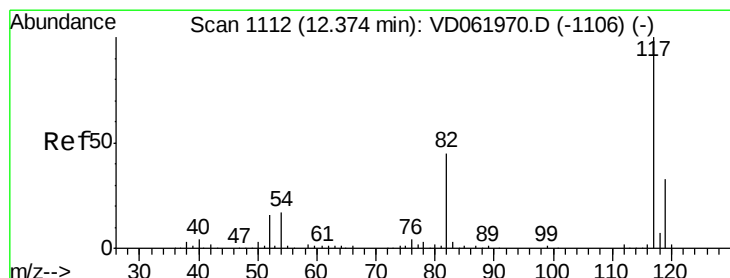
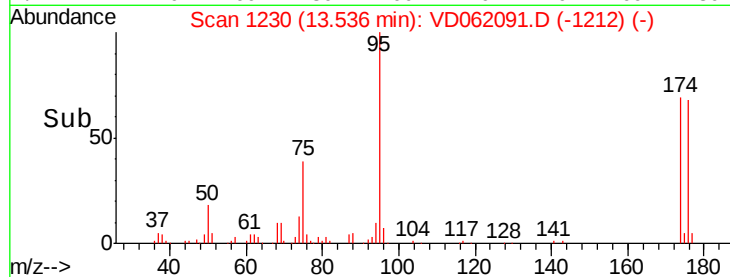
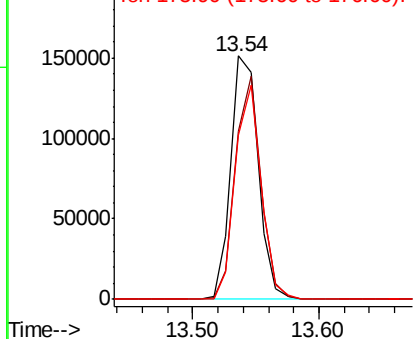
Tot Ion	95	Resp	226577
Ion Ratio	100		
Lower			
Upper			
174	69.0	0.0	181.8
176	67.7	0.0	174.4



Abundance Ion 95.00 (94.70 to 95.70): V

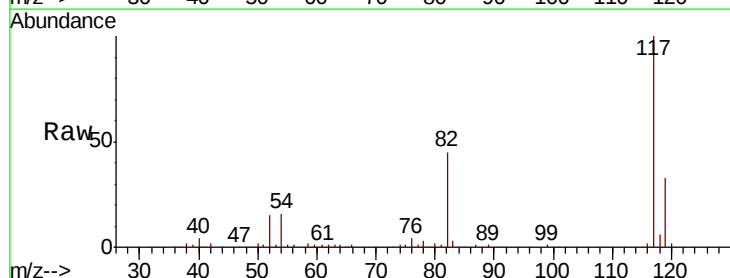
Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VD062091.D
Acq: 30 Apr 2019 17:02

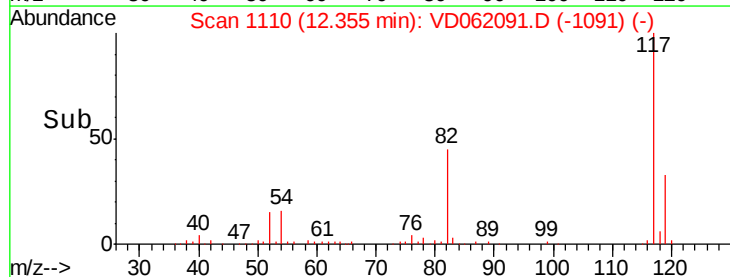
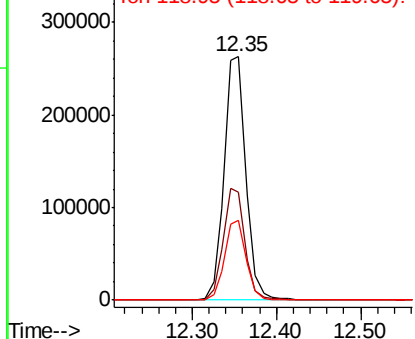
Tgt Ion	117	Resp	471891
Ion Ratio	100		
Lower			
Upper			
82	44.5	36.2	54.2
119	32.6	26.2	39.4

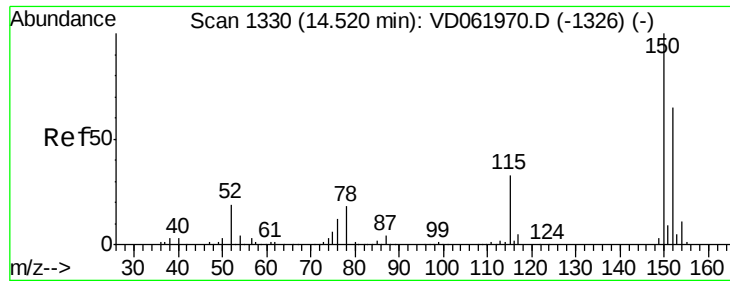


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

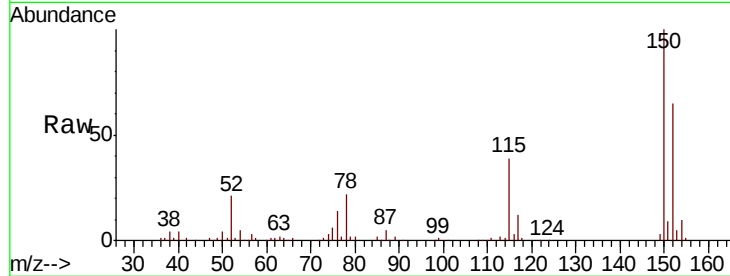




#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.50 min Scan# 1328
Delta R.T. -0.02 min
Lab File: VD062091.D
Acq: 30 Apr 2019 17:02

Tot Ion	Ratio	Lower	Upper
152	100		
115	60.1	30.9	92.7
150	154.5	0.0	314.8

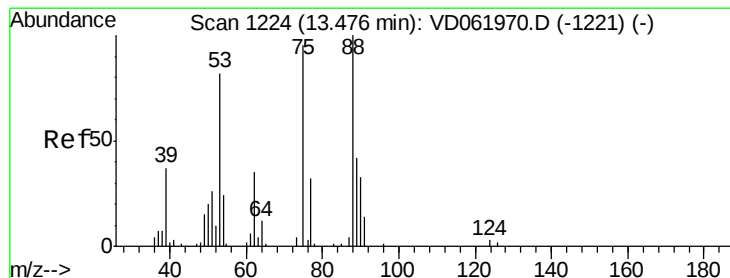
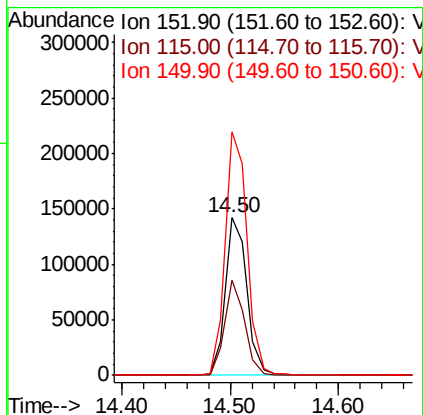
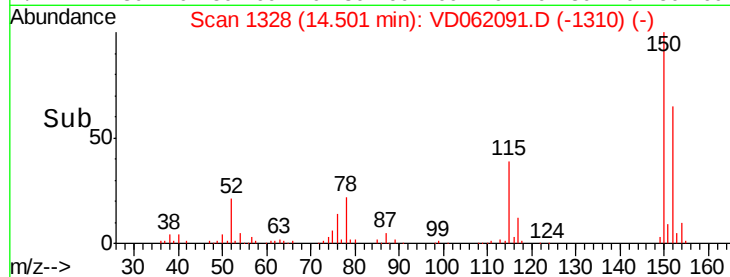


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

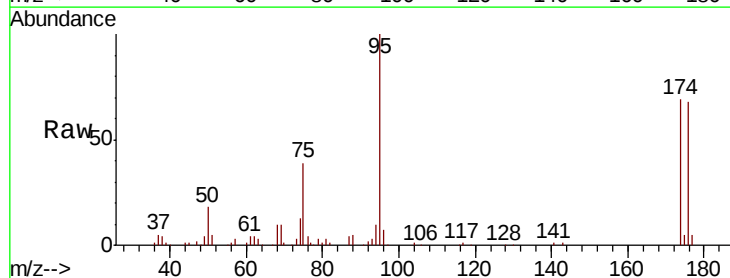
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 115.310 ug/l
RT: 13.54 min Scan# 1230
Delta R.T. 0.06 min
Lab File: VD062091.D
Acq: 30 Apr 2019 17:02

Tgt 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

