

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070219\
 Data File : VD063012.D
 Acq On : 2 Jul 2019 19:45
 Operator : VA/AP
 Sample : K3602-06
 Misc : 5.07g/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 GP-6

Quant Time: Jul 03 00:58:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

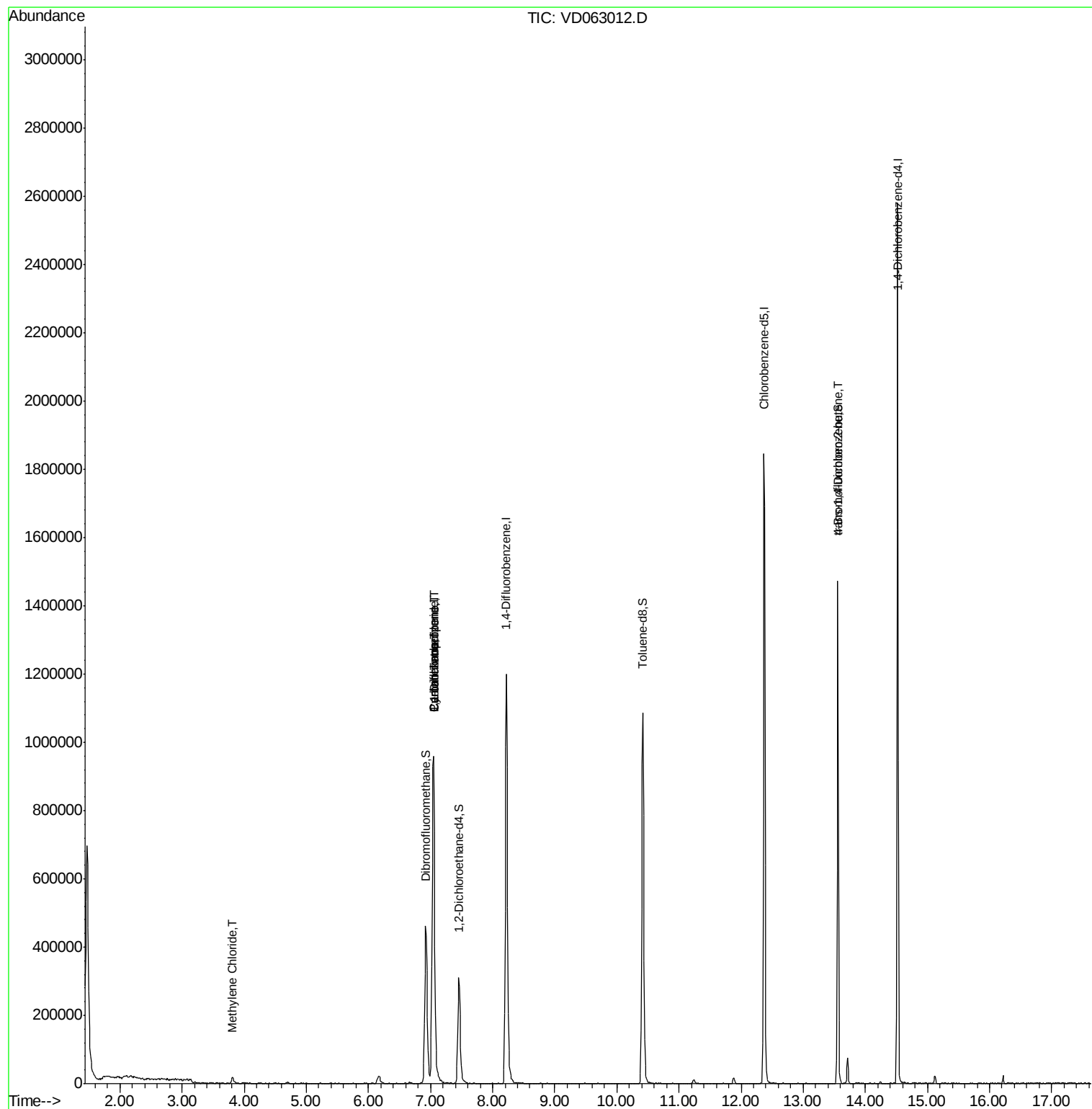
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	931344	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1206590	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	1033242	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	547509	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	363562	35.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	71.82%	
35) Dibromofluoromethane	6.92	113	411160	40.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	80.82%	
50) Toluene-d8	10.42	98	887365	40.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	80.14%	
62) 4-Bromofluorobenzene	13.56	95	377665	37.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	75.02%	
Target Compounds						
16) Acetone	3.21	43	3449	Below Cal	#	64
20) Methylene Chloride	3.81	84	9647	1.250	ug/l #	68
31) Cyclohexane	7.05	56	21160	2.226	ug/l #	6
36) 1,1-Dichloropropene	7.04	75	67878	5.943	ug/l #	52
37) Ethyl Acetate	6.18	43	1968	Below Cal	#	21
38) Carbon Tetrachloride	7.05	117	91696	5.338	ug/l #	16
81) trans-1,4-Dichloro-2-buten	13.56	75	174877	105.568	ug/l #	2

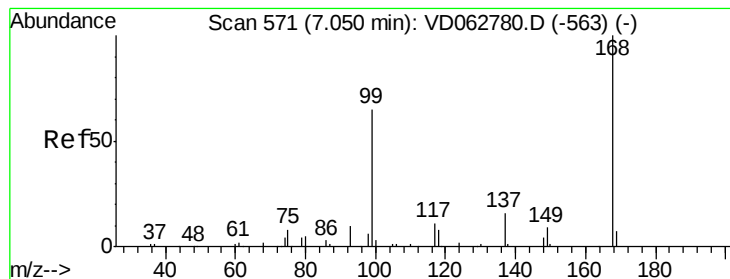
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.00 min

Lab File: VD063012.D

Acq: 2 Jul 2019 19:45

Instrument :

MSVOA_D

ClientSampleID :

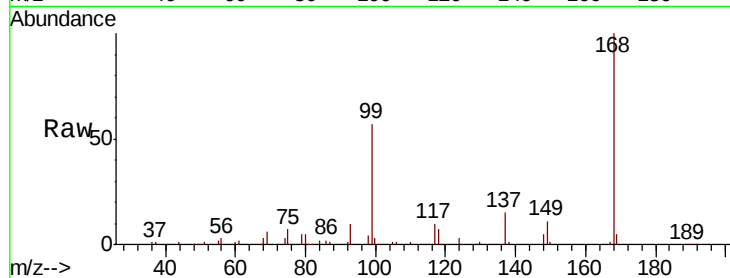
GP-6

Tot Ion:168 Resp: 931344

Ion Ratio Lower Upper

168 100

99 57.4 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

300000

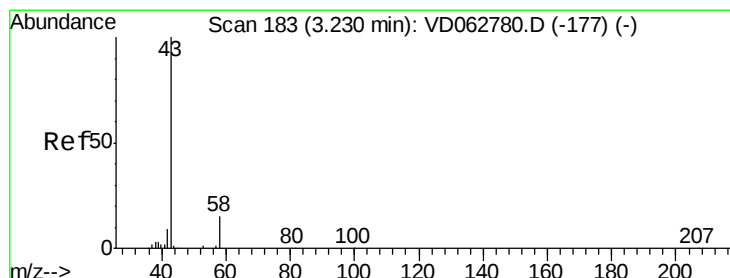
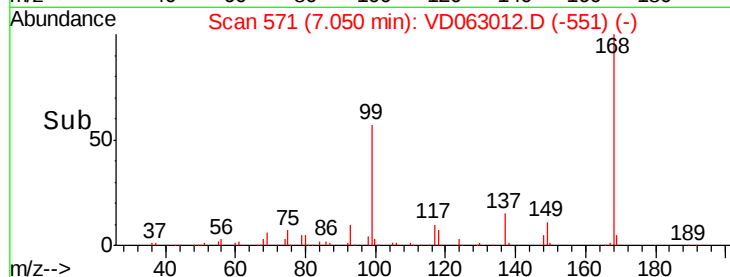
200000

100000

0

Time-->

6.90 7.00 7.10 7.20



#16

Acetone

Concen: Below Cal

RT: 3.21 min Scan# 181

Delta R.T. -0.02 min

Lab File: VD063012.D

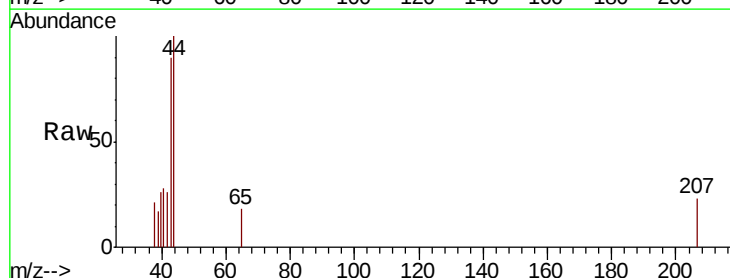
Acq: 2 Jul 2019 19:45

Tgt Ion: 43 Resp: 3449

Ion Ratio Lower Upper

43 100

58 0.0 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.21

1500

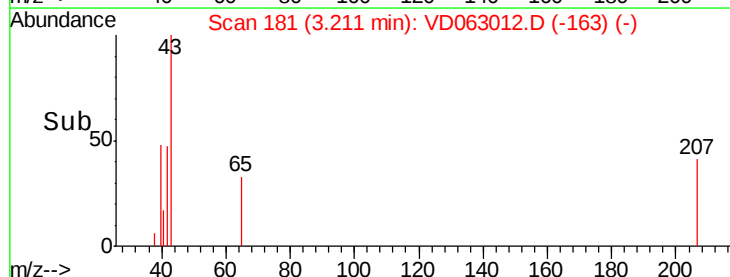
1000

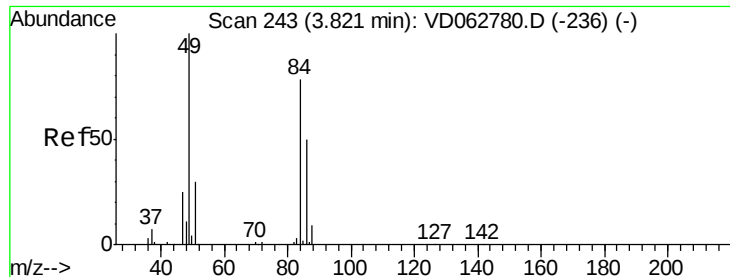
500

0

Time-->

3.15 3.20 3.25

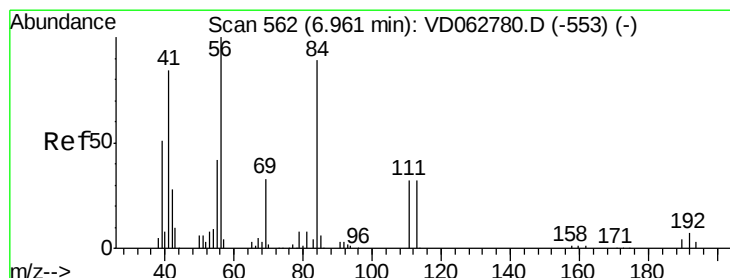
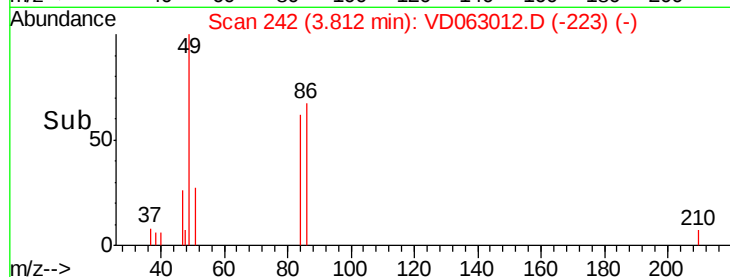
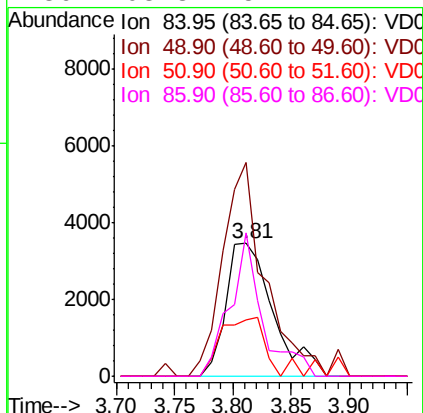
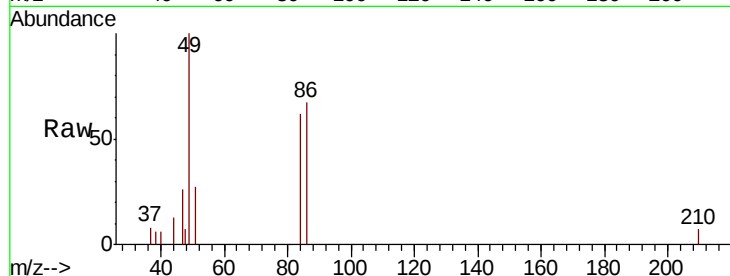




#20
Methvlene Chloride
Concen: 1.250 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.01 min
Lab File: VD063012.D
Acq: 2 Jul 2019 19:45

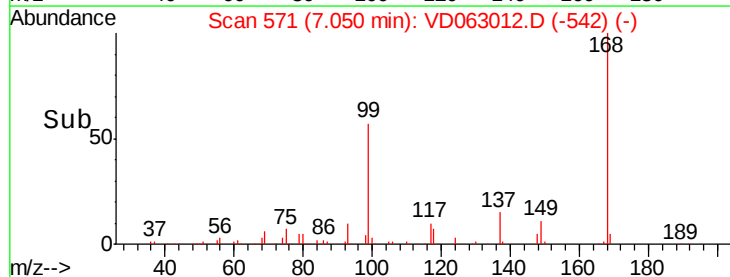
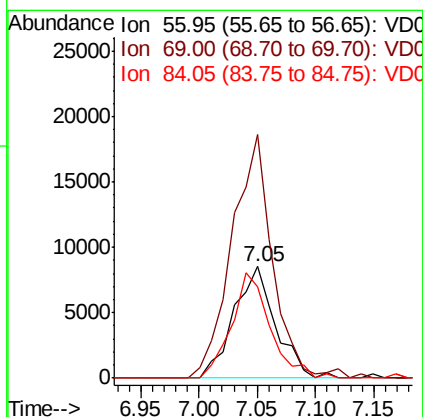
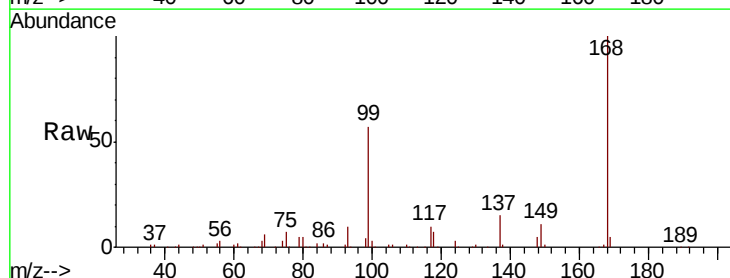
Instrument :
MSVOA_D
ClientSampleId :
GP-6

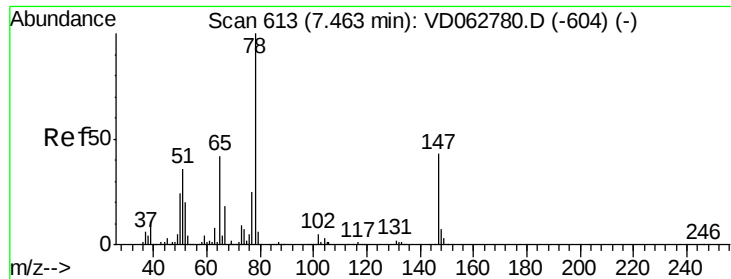
Tot Ion: 84 Resp: 9647
Ion Ratio Lower Upper
84 100
49 160.9 102.9 154.3#
51 42.7 31.2 46.8
86 108.3 51.4 77.2#



#31
Cyclohexane
Concen: 2.226 ug/l
RT: 7.05 min Scan# 571
Delta R.T. 0.09 min
Lab File: VD063012.D
Acq: 2 Jul 2019 19:45

Tgt Ion: 56 Resp: 21160
Ion Ratio Lower Upper
56 100
69 217.9 26.6 39.8#
84 82.1 75.5 113.3





#33

1,2-Dichloroethane-d4

Concen: 35.912 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD063012.D

Acq: 2 Jul 2019 19:45

Instrument :

MSVOA_D

ClientSampled :

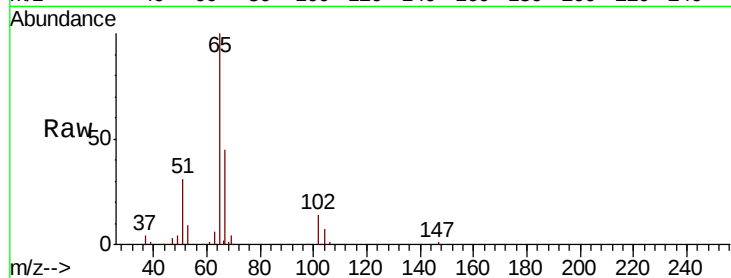
GP-6

Tot Ion: 65 Resp: 363562

Ion Ratio Lower Upper

65 100

67 44.7 0.0 87.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

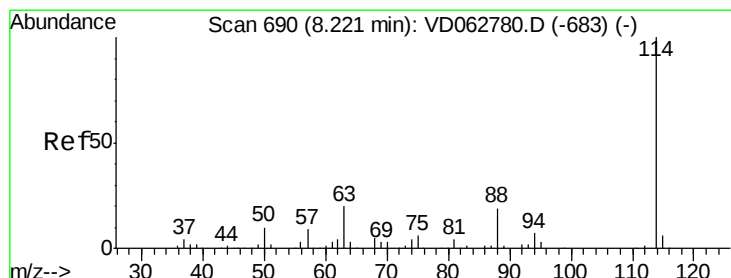
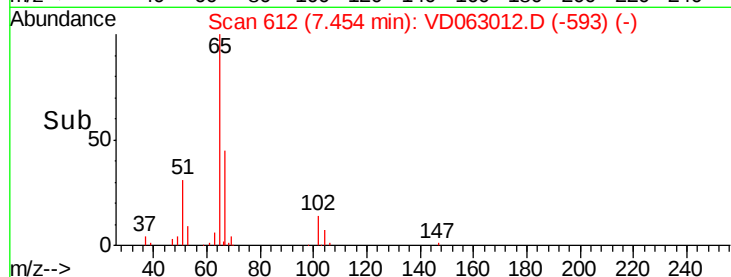
150000

100000

50000

0

Time--> 7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.00 min

Lab File: VD063012.D

Acq: 2 Jul 2019 19:45

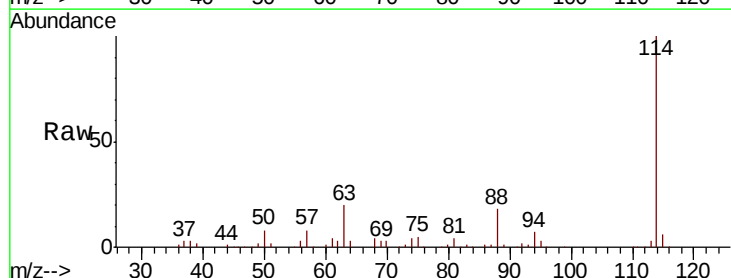
Tgt Ion: 114 Resp: 1206590

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.0

88 18.2 0.0 38.8



Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.22

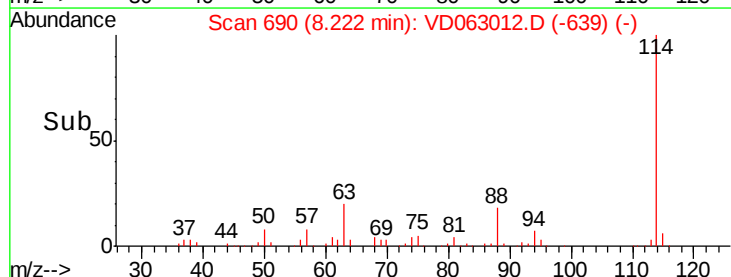
600000

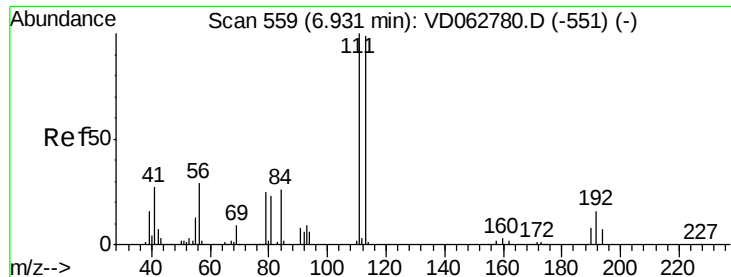
400000

200000

0

Time--> 8.10 8.20 8.30 8.40





#35

Dibromofluoromethane

Concen: 40.413 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD063012.D

Acq: 2 Jul 2019 19:45

Instrument :

MSVOA_D

ClientSampleId :

GP-6

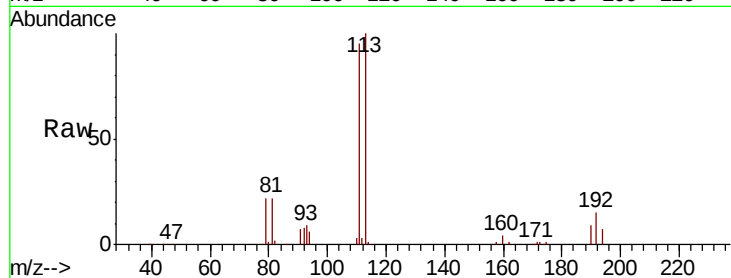
Tot Ion:113 Resp: 411160

Ion Ratio Lower Upper

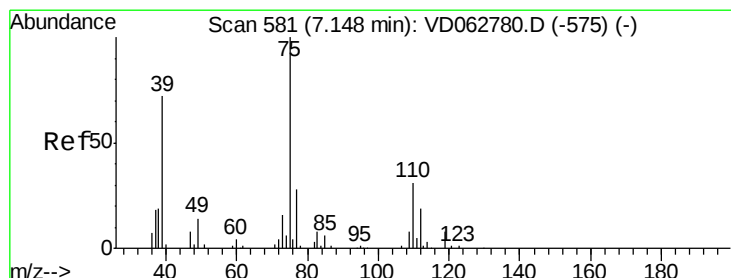
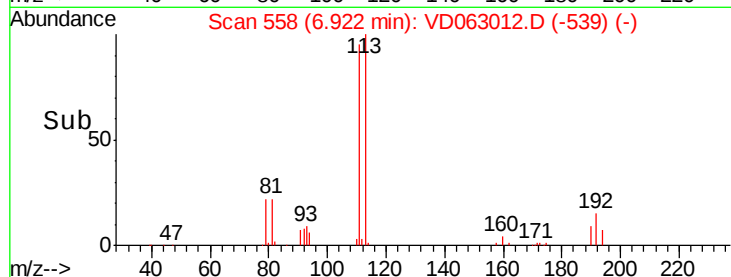
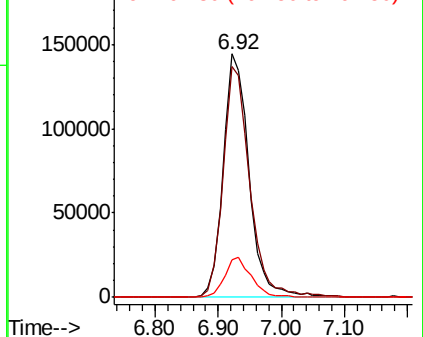
113 100

111 94.7 81.2 121.8

192 15.4 12.9 19.3



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: 5.943 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.11 min

Lab File: VD063012.D

Acq: 2 Jul 2019 19:45

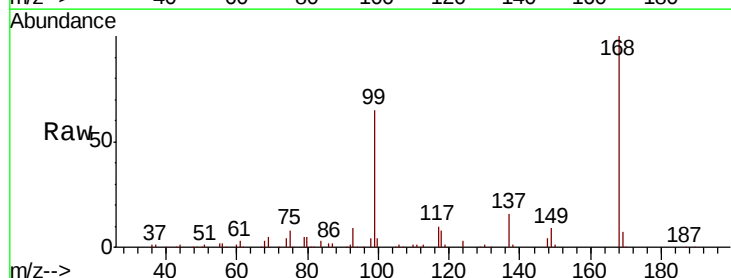
Tgt Ion: 75 Resp: 67878

Ion Ratio Lower Upper

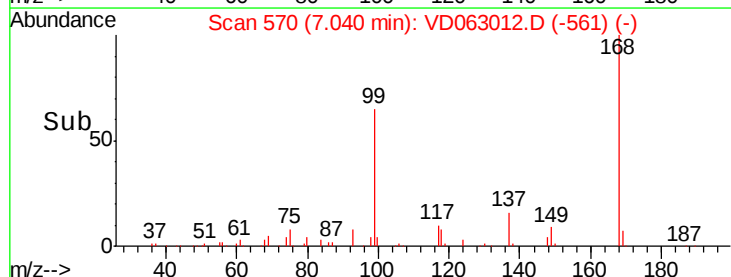
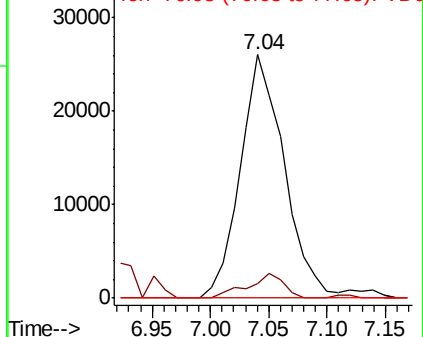
75 100

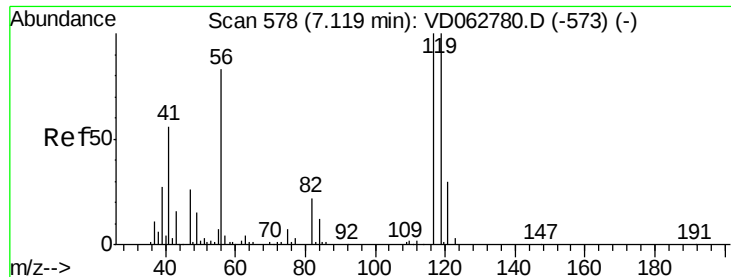
110 6.1 15.0 45.1#

77 0.0 22.2 33.2#



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

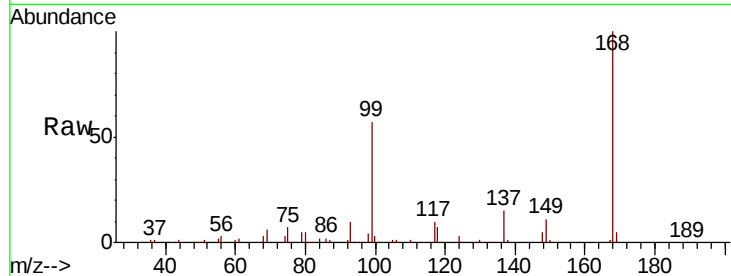




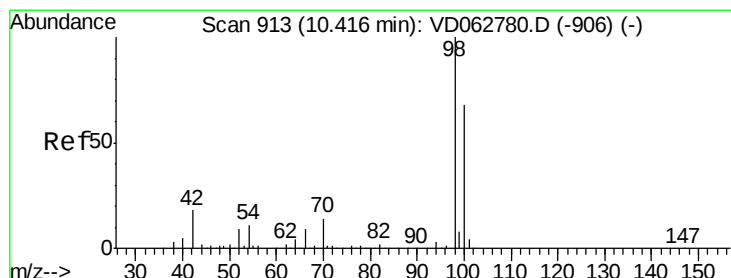
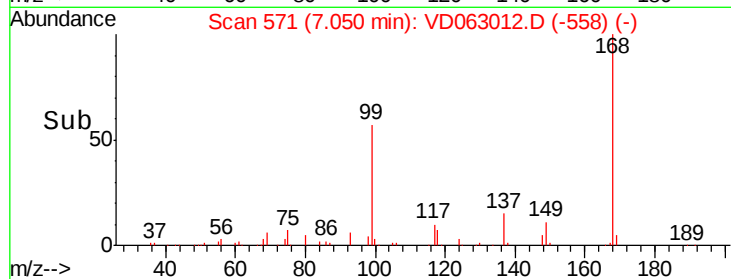
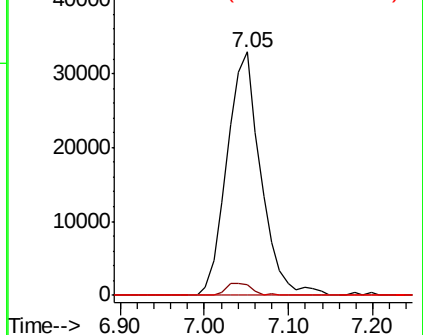
#38
Carbon Tetrachloride
Concen: 5.338 ug/l
RT: 7.05 min Scan# 571
Delta R.T. -0.07 min
Lab File: VD063012.D
Acq: 2 Jul 2019 19:45

Instrument :
MSVOA_D
ClientSampleId :
GP-6

Tot Ion:117 Resp: 91696
Ion Ratio Lower Upper
117 100
119 4.6 75.4 113.2#
121 0.0 22.3 33.5#

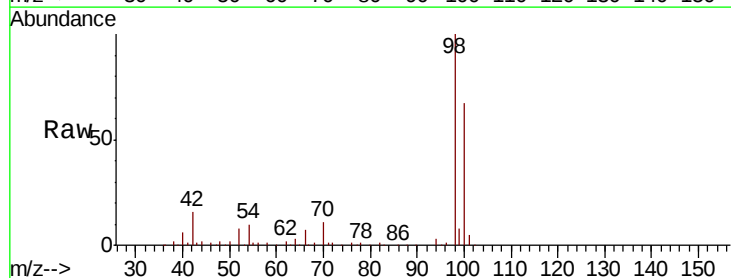


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

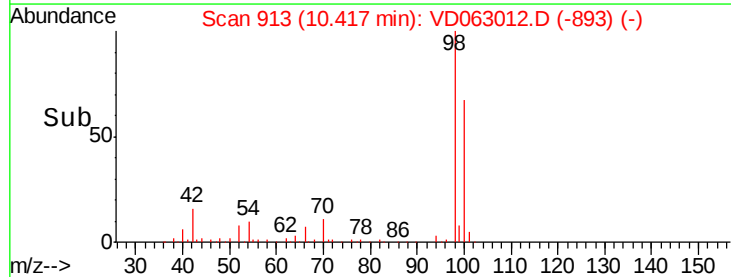
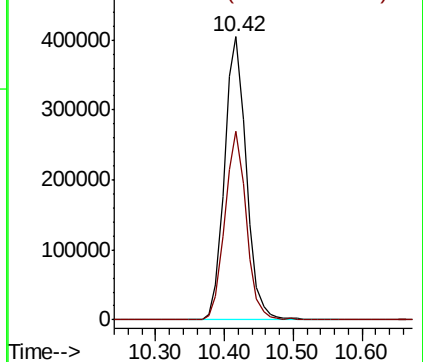


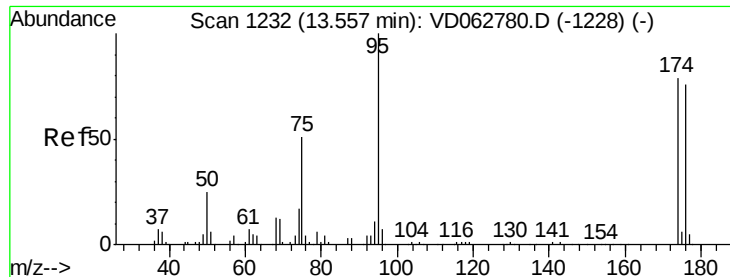
#50
Toluene-d8
Concen: 40.074 ug/l
RT: 10.42 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD063012.D
Acq: 2 Jul 2019 19:45

Tgt Ion: 98 Resp: 887365
Ion Ratio Lower Upper
98 100
100 66.8 54.7 82.1



Abundance Ion 98.05 (97.75 to 98.75): V
Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 37.509 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD063012.D

Acq: 2 Jul 2019 19:45

Instrument :

MSVOA_D

ClientSampleId :

GP-6

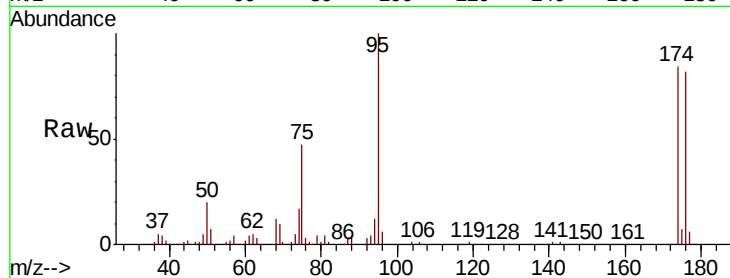
Tot Ion: 95 Resp: 377665

Ion Ratio Lower Upper

95 100

174 84.4 0.0 158.0

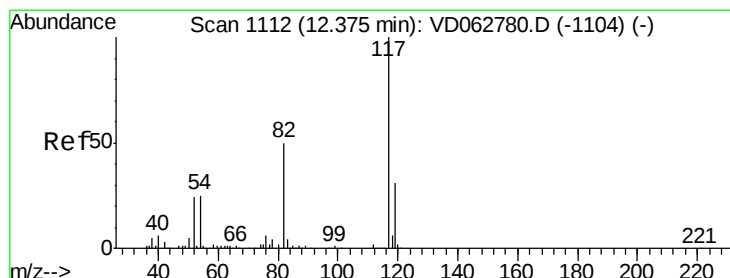
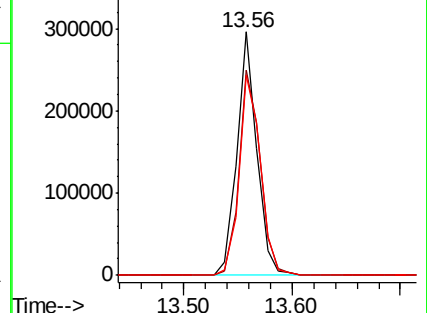
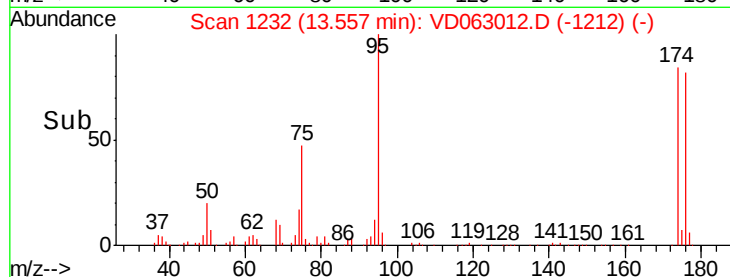
176 82.2 0.0 151.6



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: 12.38 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD063012.D

Acq: 2 Jul 2019 19:45

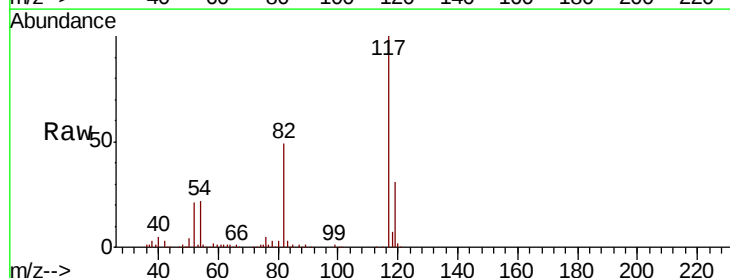
Tgt Ion: 117 Resp: 1033242

Ion Ratio Lower Upper

117 100

82 48.8 40.4 60.6

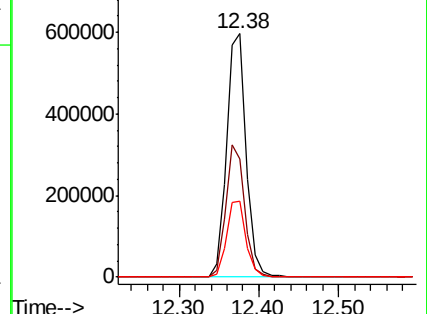
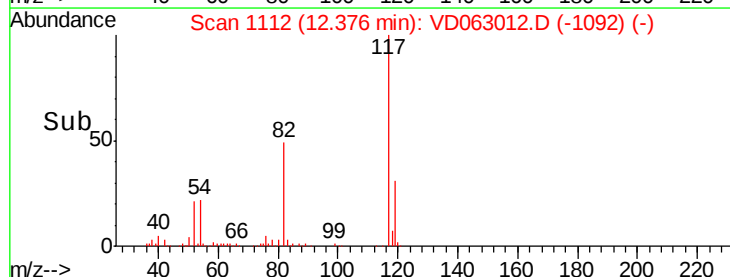
119 31.3 25.2 37.8

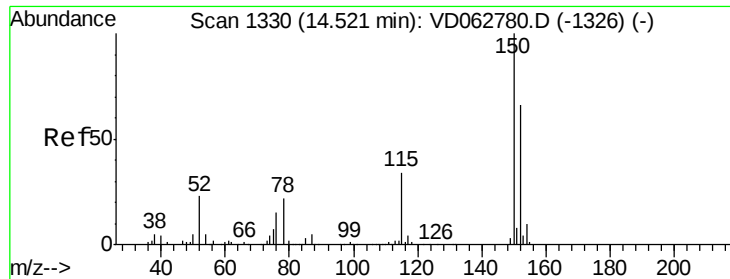


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD063012.D

Acq: 2 Jul 2019 19:45

Instrument :

MSVOA_D

ClientSampled :

GP-6

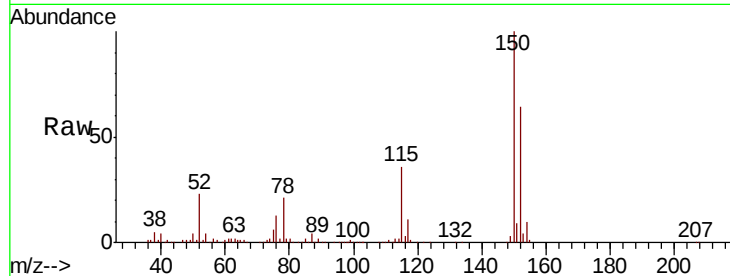
Tot Ion:152 Resp: 547509

Ion Ratio Lower Upper

152 100

115 56.5 29.2 87.6

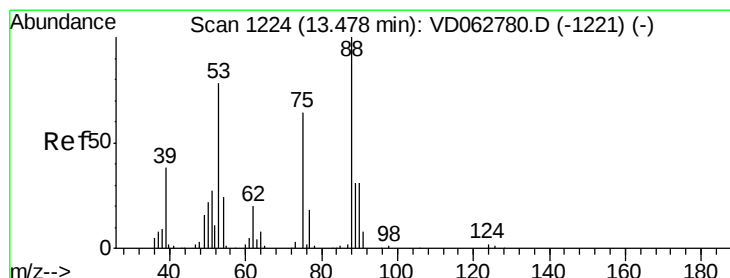
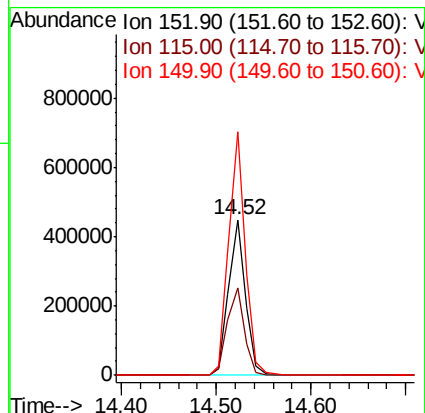
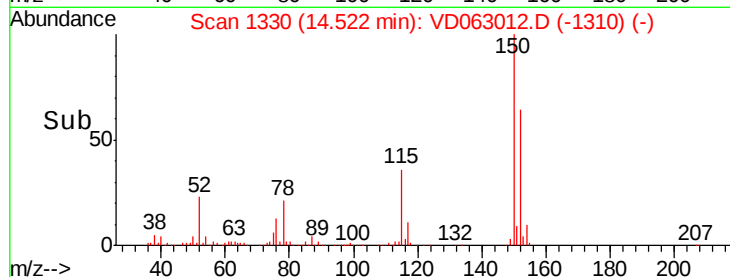
150 156.6 0.0 305.8



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: 105.568 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD063012.D

Acq: 2 Jul 2019 19:45

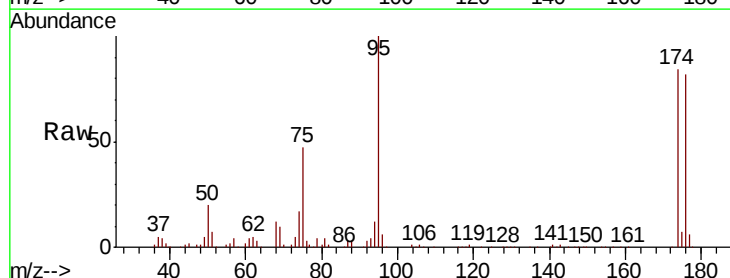
Tgt Ion: 75 Resp: 174877

Ion Ratio Lower Upper

75 100

53 0.0 97.8 146.8#

89 0.0 39.4 59.2#



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

