

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031119\
 Data File : VD061009.D
 Acq On : 11 Mar 2019 17:29
 Operator : VA/AP
 Sample : K1807-39RE
 Misc : 5.02g/5ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-20RE

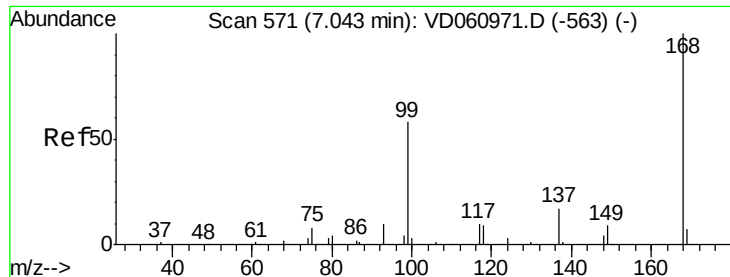
Quant Time: Mar 12 05:43:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	717547	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.24	114	1430962	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.38	117	1209895	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	524018	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	373868	62.60	ug/l	0.03
Spiked Amount 50.000			Recovery	=	125.20%	
35) Dibromofluoromethane	6.94	113	585934	55.17	ug/l	0.02
Spiked Amount 50.000			Recovery	=	110.34%	
50) Toluene-d8	10.43	98	1325476	49.70	ug/l	0.03
Spiked Amount 50.000			Recovery	=	99.40%	
62) 4-Bromofluorobenzene	13.57	95	519419	50.20	ug/l	0.02
Spiked Amount 50.000			Recovery	=	100.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.21	94	451	Below Cal	#	8
11) Tert butyl alcohol	4.02	59	1716	4.513	ug/l #	75
20) Methylene Chloride	3.84	84	11929	Below Cal		87
31) Cyclohexane	7.07	56	12542	1.187	ug/l #	1
36) 1,1-Dichloropropene	7.06	75	55502	4.500	ug/l #	46
38) Carbon Tetrachloride	7.06	117	69922	5.146	ug/l #	15
51) 4-Methyl-2-Pentanone	10.43	43	5284	1.076	ug/l #	1
76) 1,2,3-Trichloropropane	13.56	75	166602	22.099	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.56	75	191008	85.938	ug/l #	17

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 574

Delta R.T. 0.03 min

Lab File: VD061009.D

Acq: 11 Mar 2019 17:29

Instrument :

MSVOA_D

ClientSampleId :

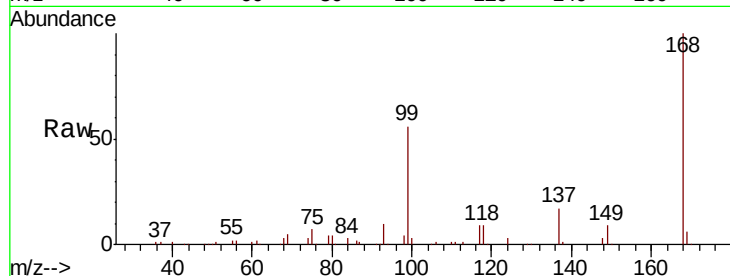
TP-20RE

Tot Ion:168 Resp: 717547

Ion Ratio Lower Upper

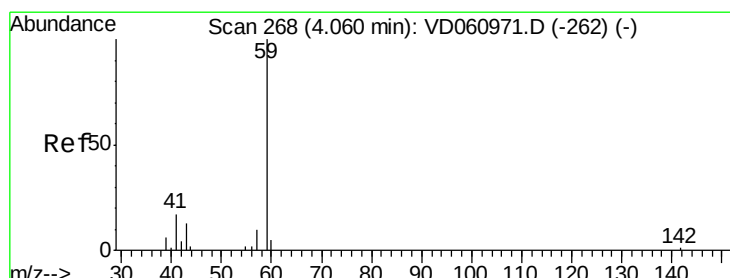
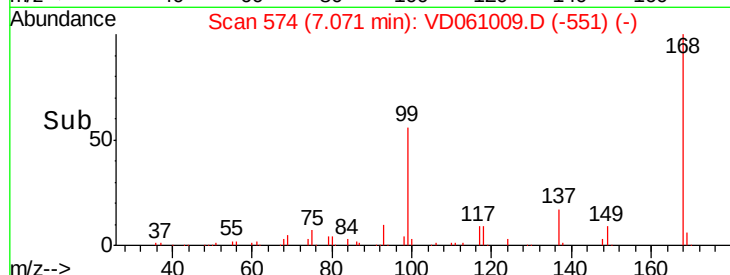
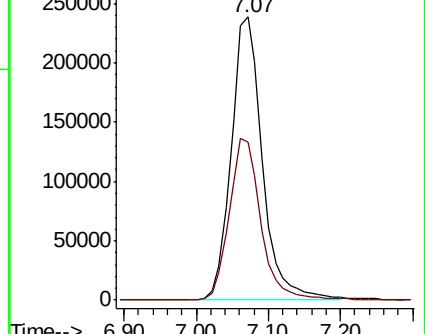
168 100

99 55.7 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 4.513 ug/l

RT: 4.02 min Scan# 264

Delta R.T. -0.04 min

Lab File: VD061009.D

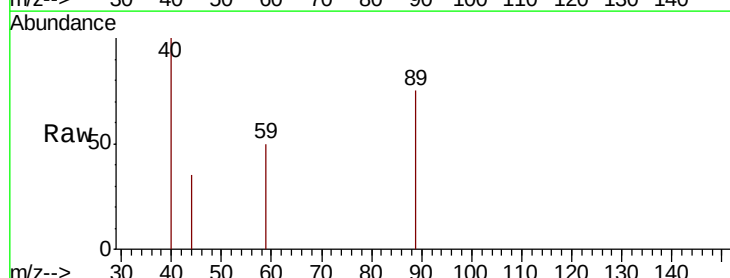
Acq: 11 Mar 2019 17:29

Tgt Ion: 59 Resp: 1716

Ion Ratio Lower Upper

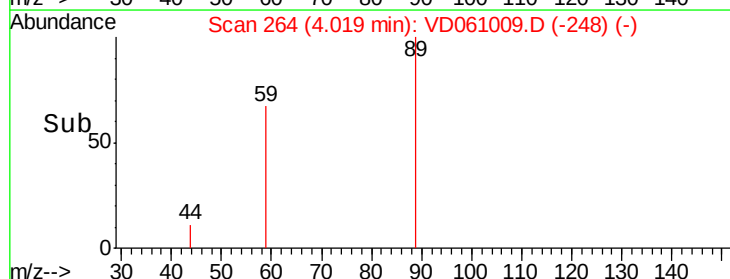
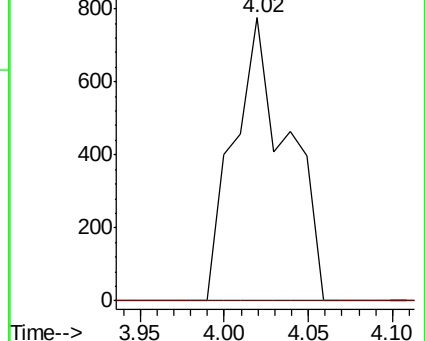
59 100

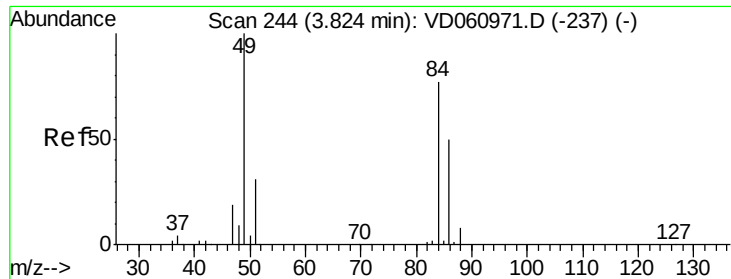
57 0.0 7.1 10.7#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

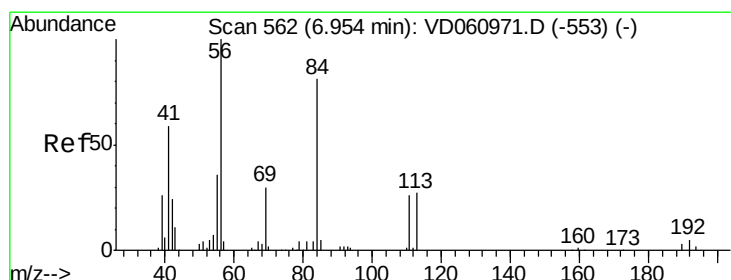
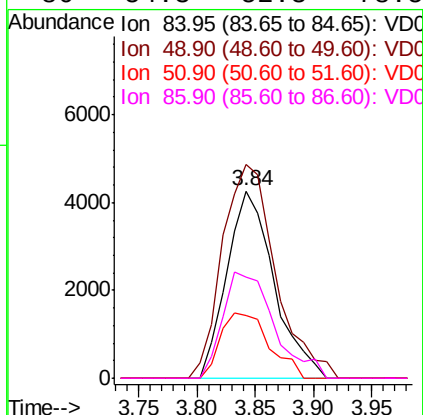
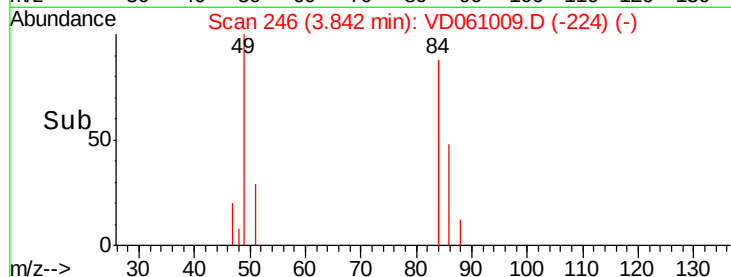
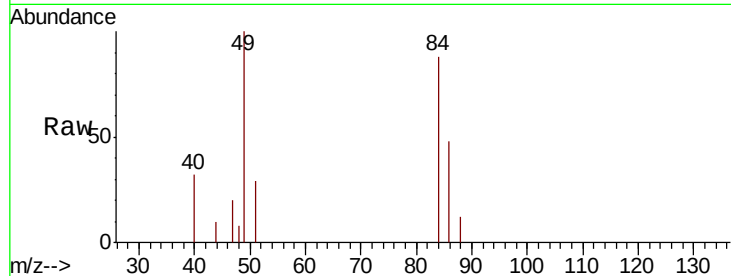




#20
Methylene Chloride
Concen: Below Cal
RT: 3.84 min Scan# 246
Delta R.T. 0.02 min
Lab File: VD061009.D
Acq: 11 Mar 2019 17:29

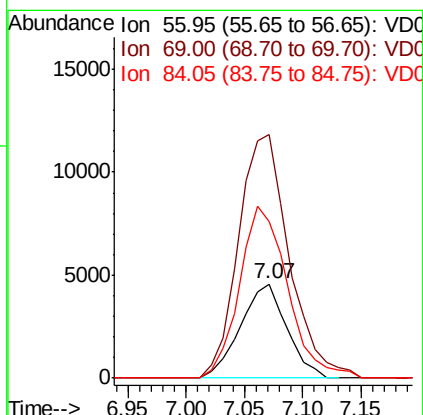
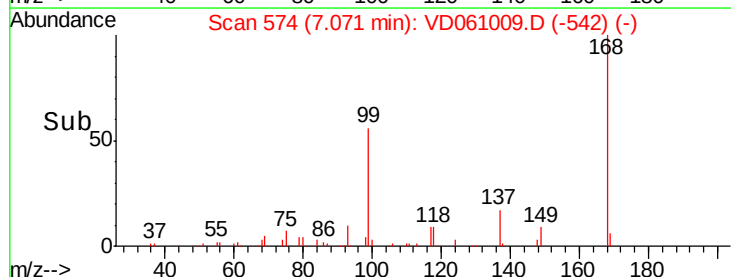
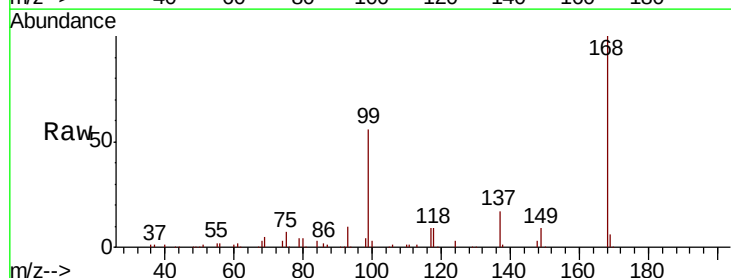
Instrument :
MSVOA_D
ClientSampleId :
TP-20RE

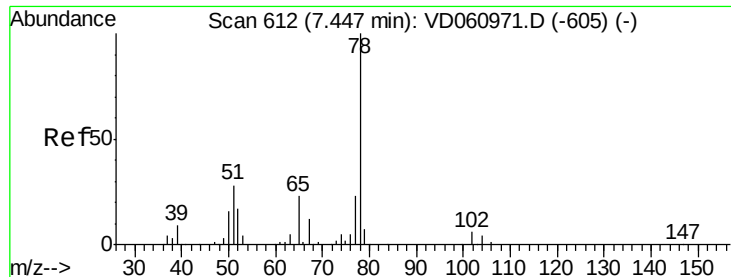
Tot Ion: 84 Resp: 11929
Ion Ratio Lower Upper
84 100
49 114.3 104.2 156.2
51 33.6 32.3 48.5
86 54.3 52.3 78.5



#31
Cyclohexane
Concen: 1.187 ug/l
RT: 7.07 min Scan# 574
Delta R.T. 0.12 min
Lab File: VD061009.D
Acq: 11 Mar 2019 17:29

Tgt Ion: 56 Resp: 12542
Ion Ratio Lower Upper
56 100
69 259.4 24.0 36.0#
84 167.4 65.8 98.6#

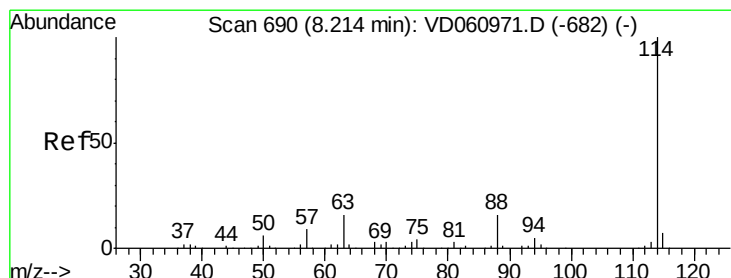
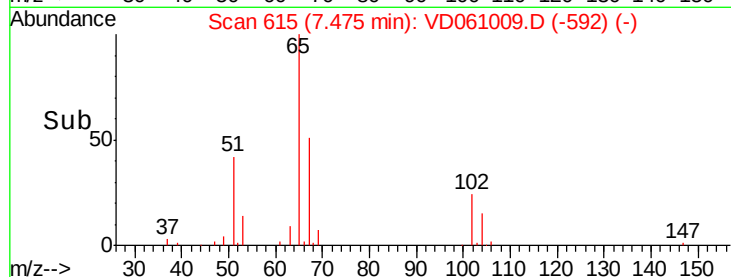
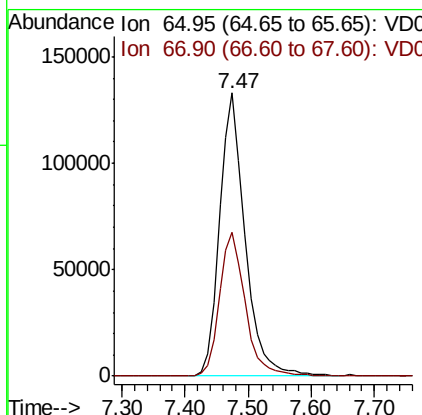
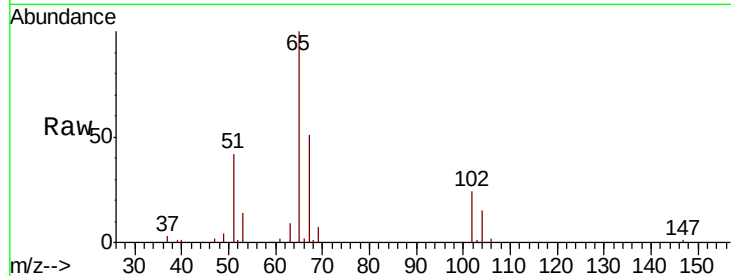




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.47 min Scan# 615
 Delta R.T. 0.03 min
 Lab File: VD061009.D
 Acq: 11 Mar 2019 17:29

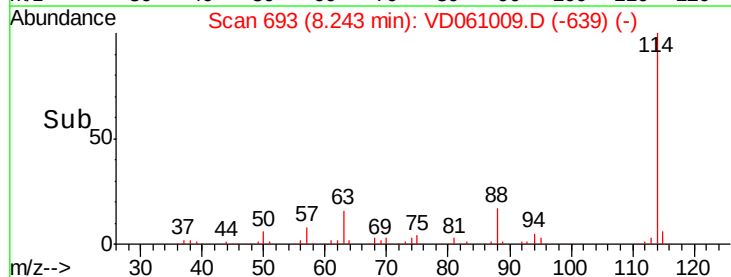
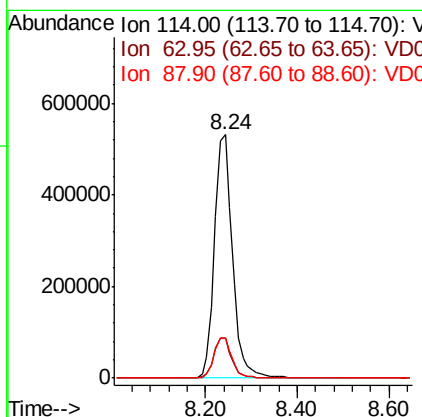
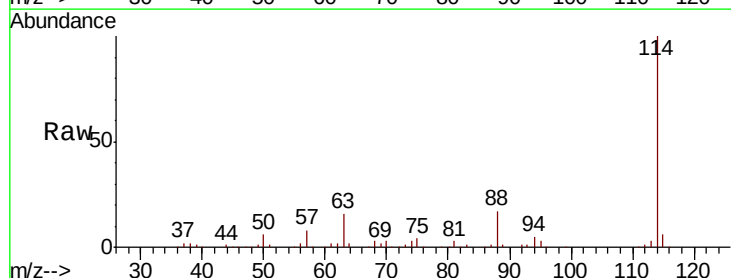
Instrument :
 MSVOA_D
 ClientSampled :
 TP-20RE

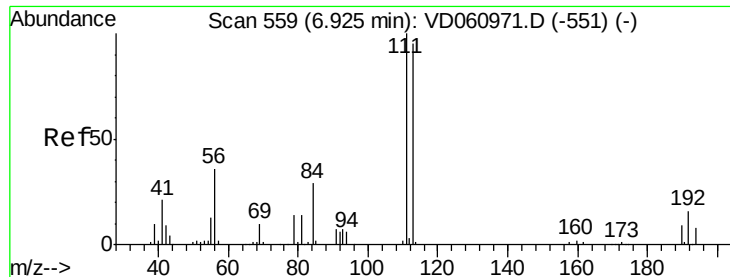
Tot Ion: 65 Resp: 373868
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.24 min Scan# 693
 Delta R.T. 0.03 min
 Lab File: VD061009.D
 Acq: 11 Mar 2019 17:29

Tgt Ion: 114 Resp: 1430962
 Ion Ratio Lower Upper
 114 100
 63 16.3 0.0 31.4
 88 16.6 0.0 33.0

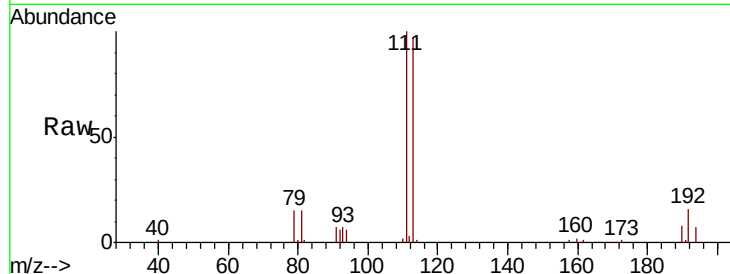




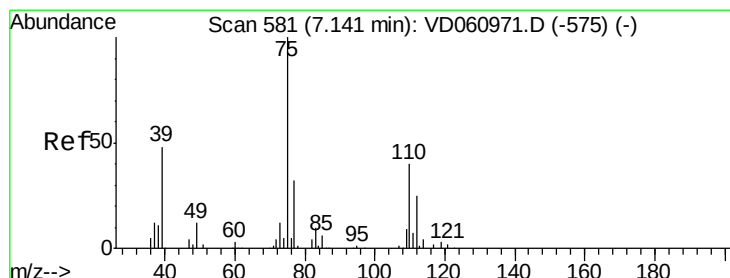
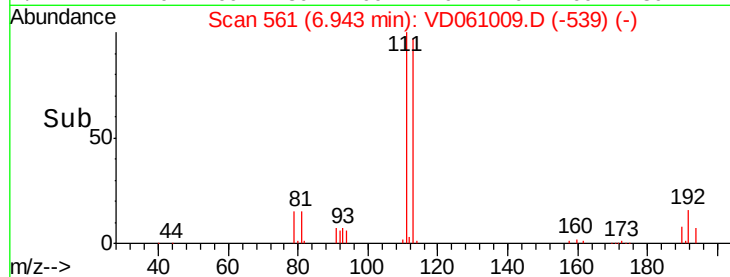
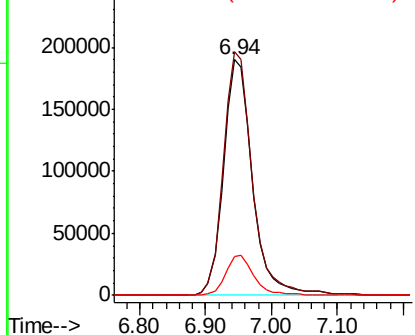
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.94 min Scan# 561
 Delta R.T. 0.02 min
 Lab File: VD061009.D
 Acq: 11 Mar 2019 17:29

Instrument :
 MSVOA_D
 ClientSampled :
 TP-20RE

Tot Ion:113 Resp: 585934
 Ion Ratio Lower Upper
 113 100
 111 103.3 84.2 126.4
 192 16.4 13.1 19.7

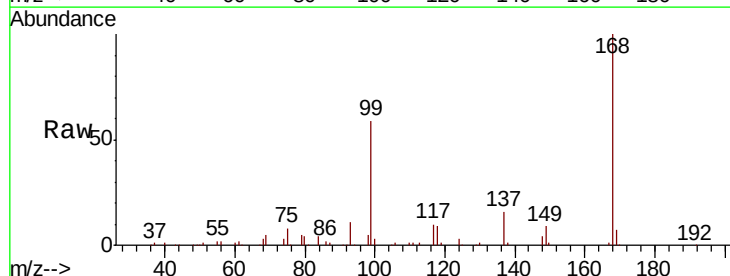


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

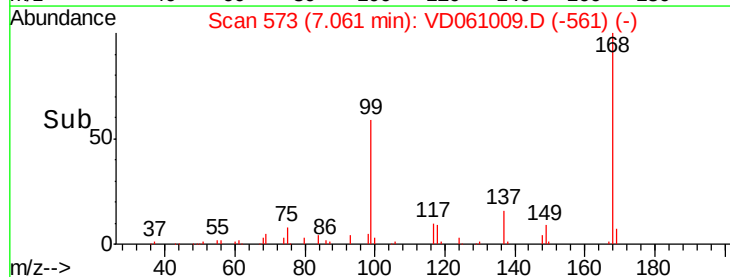
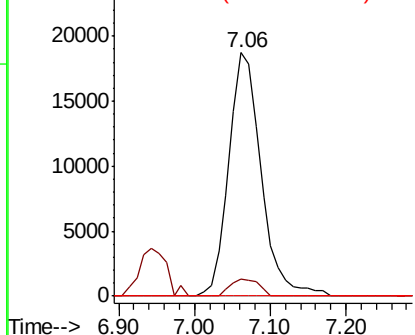


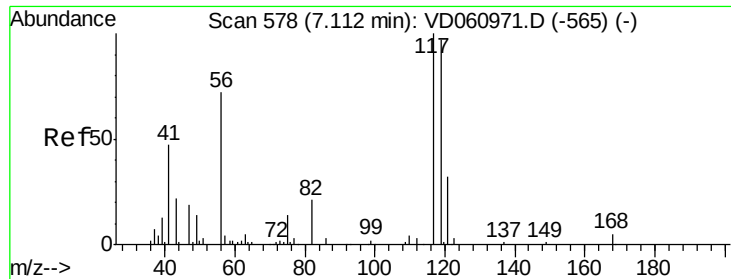
#36
 1,1-Dichloropropene
 Concen: 4.500 ug/l
 RT: 7.06 min Scan# 573
 Delta R.T. -0.08 min
 Lab File: VD061009.D
 Acq: 11 Mar 2019 17:29

Tgt Ion: 75 Resp: 55502
 Ion Ratio Lower Upper
 75 100
 110 7.0 19.7 59.1#
 77 0.0 24.7 37.1#



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: 5.146 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.05 min

Lab File: VD061009.D

Acq: 11 Mar 2019 17:29

Instrument :

MSVOA_D

ClientSampleId :

TP-20RE

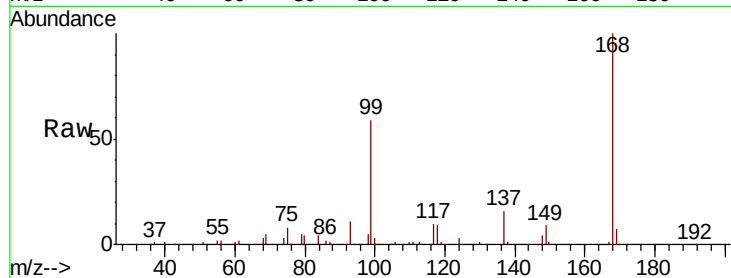
Tot Ion:117 Resp: 69922

Ion Ratio Lower Upper

117 100

119 5.2 77.8 116.8#

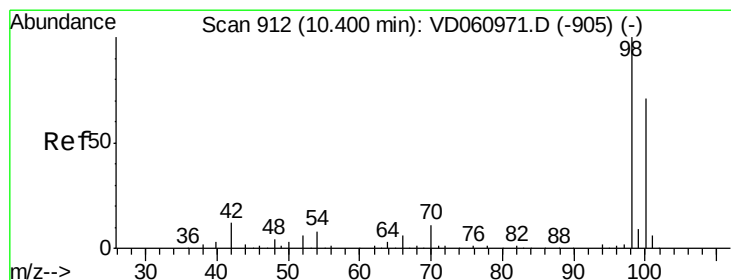
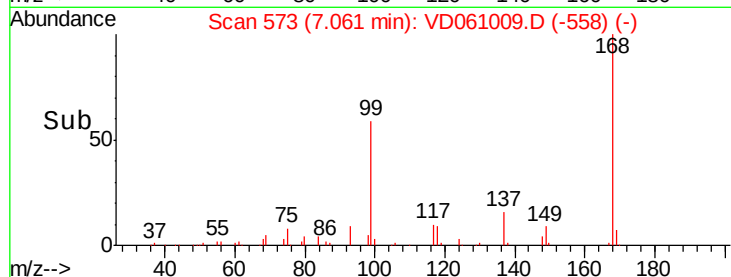
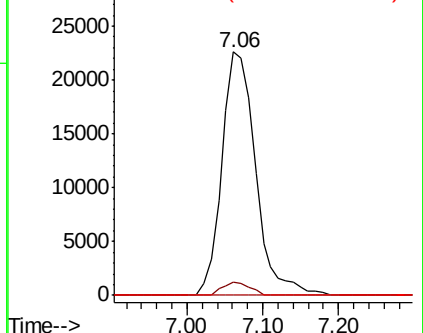
121 0.0 25.3 37.9#



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: N.D. ug/l

RT: 10.43 min Scan# 915

Delta R.T. 0.03 min

Lab File: VD061009.D

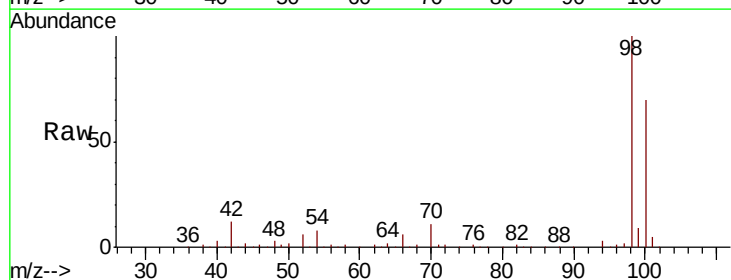
Acq: 11 Mar 2019 17:29

Tgt Ion: 98 Resp: 1325476

Ion Ratio Lower Upper

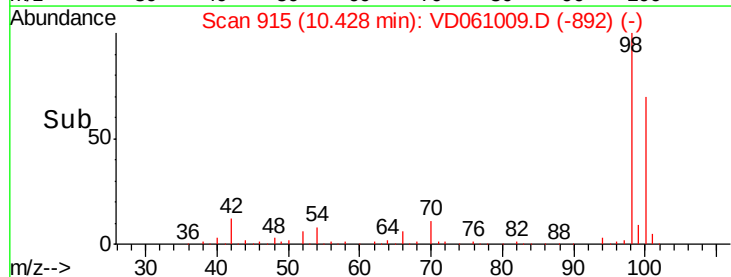
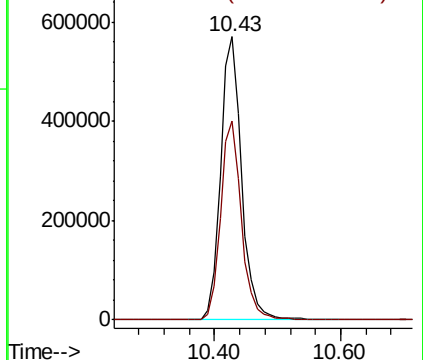
98 100

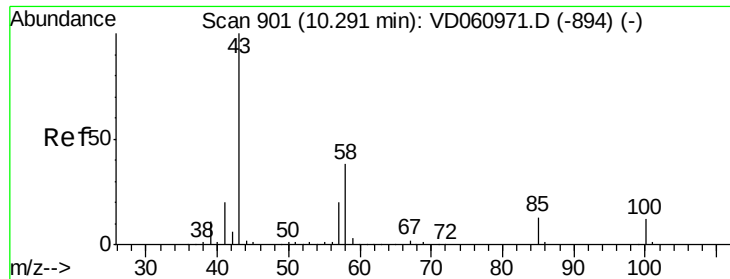
100 70.4 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#51

4-Methyl-2-Pentanone

Concen: 1.076 ug/l

RT: 10.43 min Scan# 915

Delta R.T. 0.14 min

Lab File: VD061009.D

Acq: 11 Mar 2019 17:29

Instrument :

MSVOA_D

ClientSampleID :

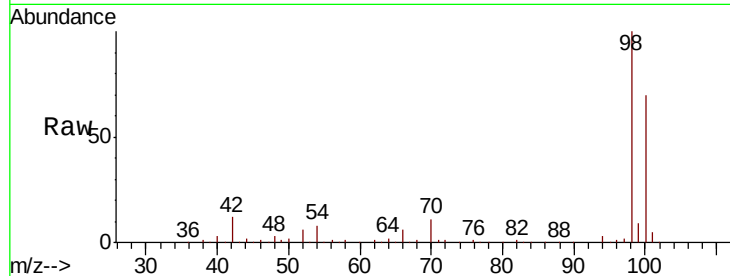
TP-20RE

Tot Ion: 43 Resp: 5284

Ion Ratio Lower Upper

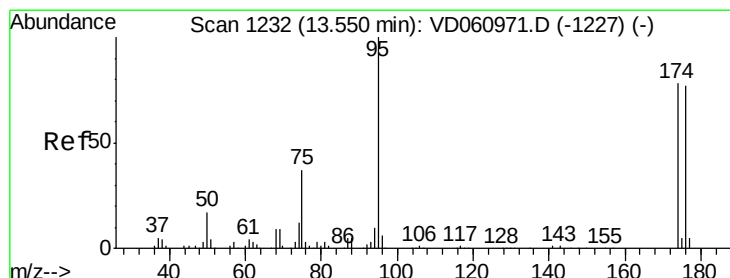
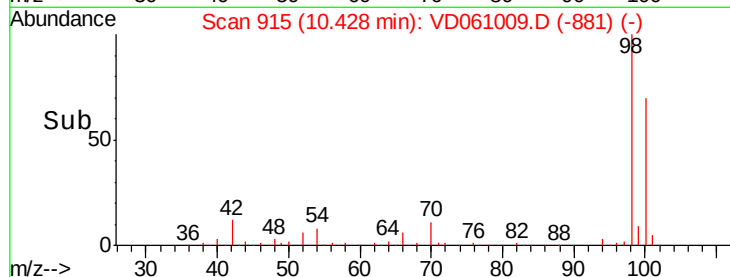
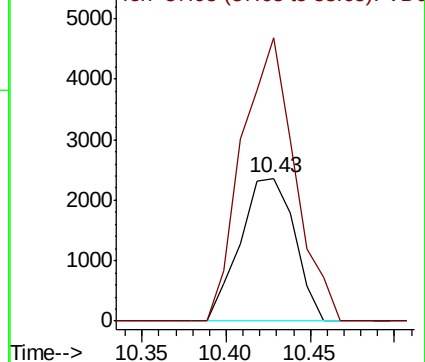
43 100

58 197.9 30.2 45.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.02 min

Lab File: VD061009.D

Acq: 11 Mar 2019 17:29

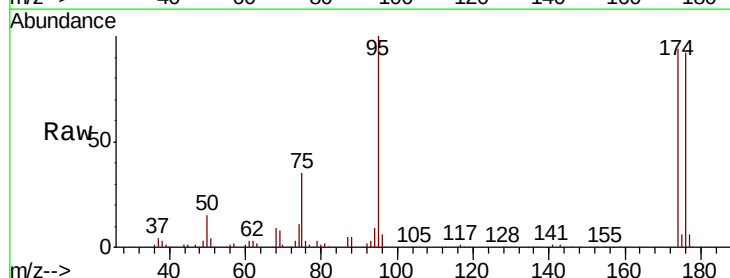
Tgt Ion: 95 Resp: 519419

Ion Ratio Lower Upper

95 100

174 93.6 0.0 155.6

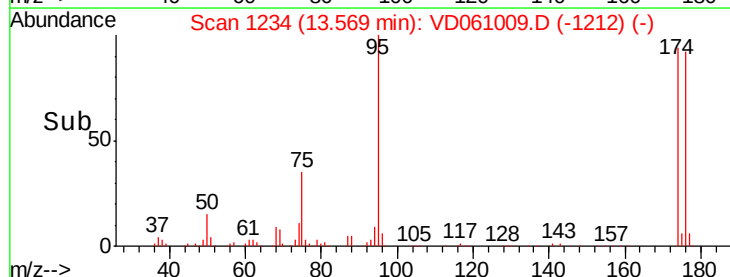
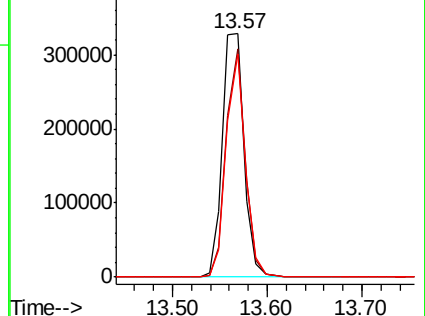
176 91.6 0.0 153.8

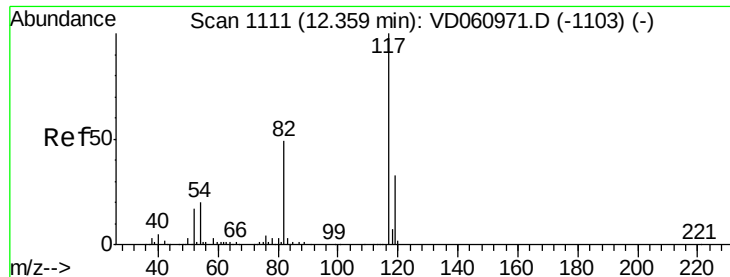


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

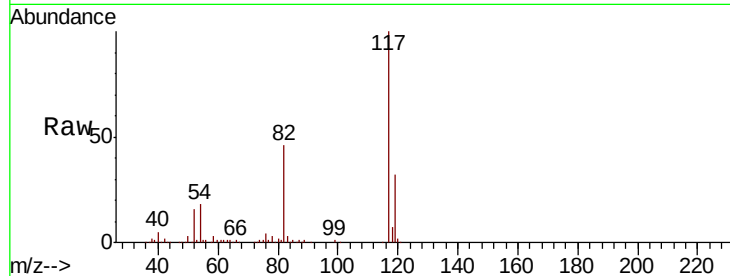




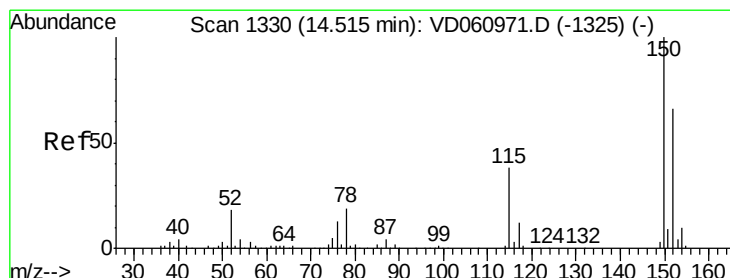
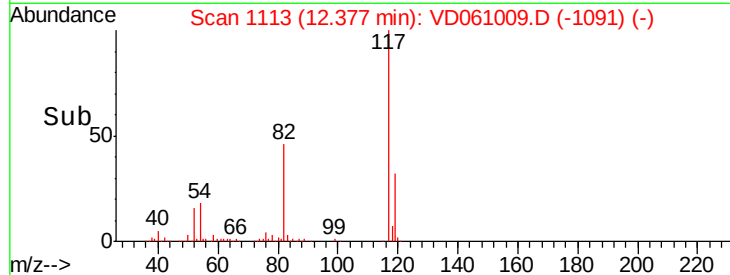
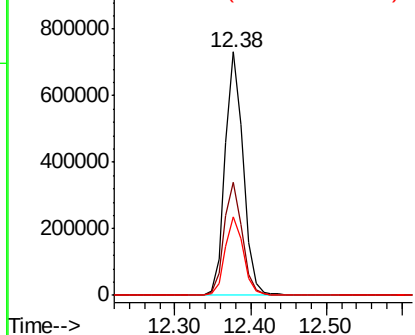
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD061009.D
Acq: 11 Mar 2019 17:29

Instrument :
MSVOA_D
ClientSampled :
TP-20RE

Tot Ion:117 Resp: 1209895
Ion Ratio Lower Upper
117 100
82 46.5 38.9 58.3
119 32.1 26.6 39.8

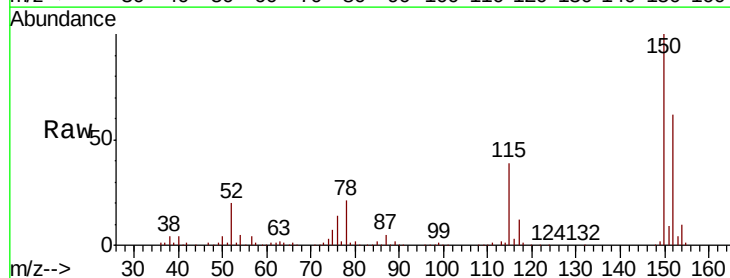


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

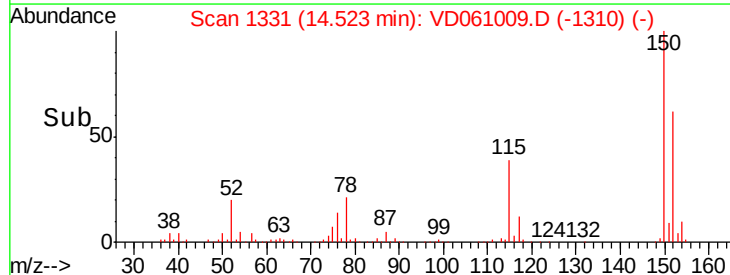
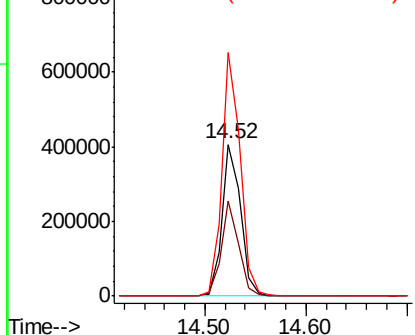


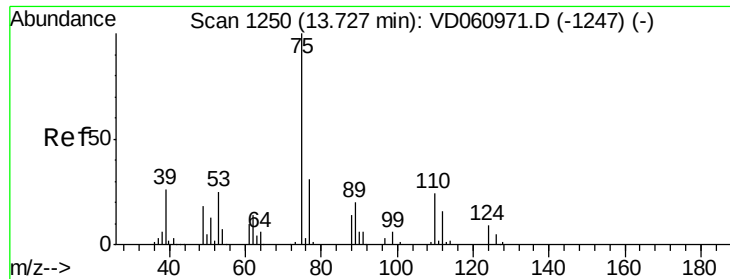
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD061009.D
Acq: 11 Mar 2019 17:29

Tgt Ion:152 Resp: 524018
Ion Ratio Lower Upper
152 100
115 62.8 28.6 85.9
150 160.1 0.0 310.6



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





#76

1,2,3-Trichloropropane

Concen: 22.099 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.17 min

Lab File: VD061009.D

Acq: 11 Mar 2019 17:29

Instrument :

MSVOA_D

ClientSampleID :

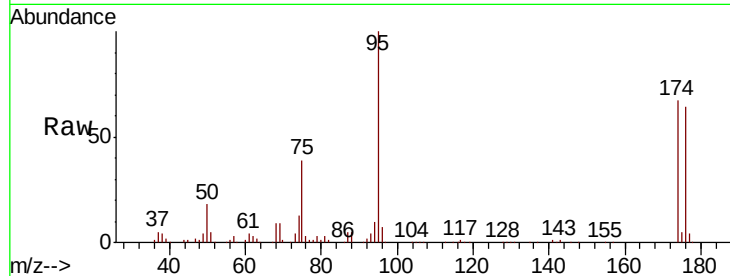
TP-20RE

Tot Ion: 75 Resp: 166602

Ion Ratio Lower Upper

75 100

77 1.6 16.6 49.7#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

13.56

150000

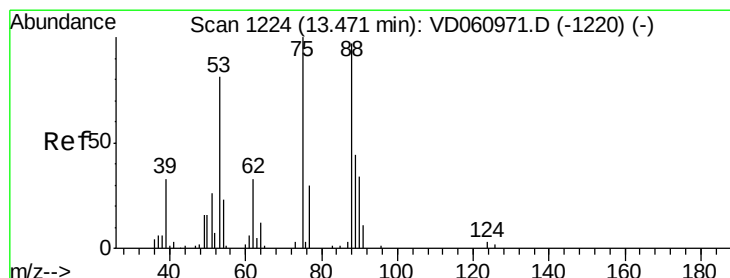
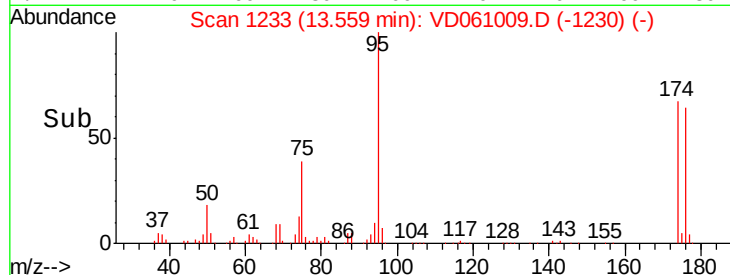
100000

50000

0

13.55 13.60 13.65

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 85.938 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD061009.D

Acq: 11 Mar 2019 17:29

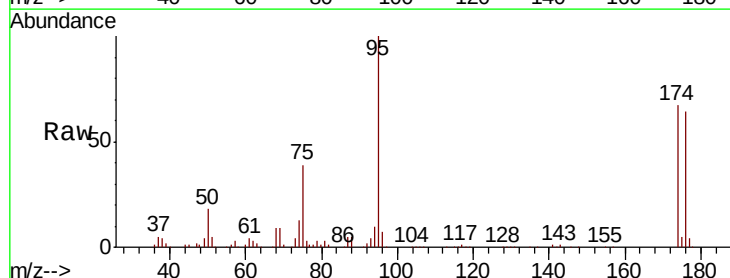
Tgt Ion: 75 Resp: 191008

Ion Ratio Lower Upper

75 100

53 0.0 64.4 96.6#

89 0.0 34.8 52.2#



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

13.56

150000

100000

50000

0

13.55 13.60 13.65

Time-->

