

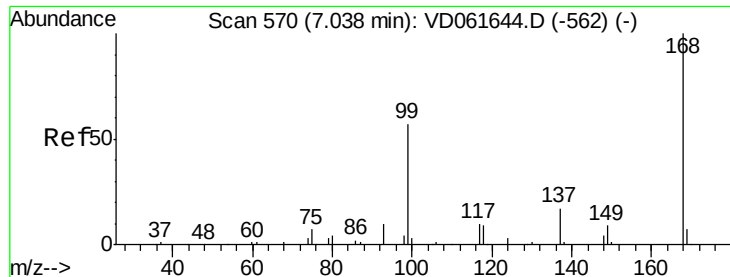
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041219\
 Data File : VD061784.D
 Acq On : 12 Apr 2019 17:58
 Operator : VA/AP
 Sample : K2343-06RE
 Misc : 6.32g/5ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 12 23:17:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	545402	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.21	114	860983	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	697819	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	361272	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	265783	64.29	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	128.58%	
35) Dibromofluoromethane	6.91	113	357246	59.89	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	119.78%	
50) Toluene-d8	10.39	98	812381	54.21	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	108.42%	
62) 4-Bromofluorobenzene	13.55	95	307265	61.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	122.24%	
Target Compounds						
8) Diethyl Ether	2.86	74	2246	1.193	ug/l	98
16) Acetone	3.21	43	46081	37.288	ug/l	95
20) Methylene Chloride	3.80	84	58289	8.312	ug/l	93
31) Cyclohexane	7.02	56	9939	1.277	ug/l #	1
36) 1,1-Dichloropropene	7.03	75	39552	5.249	ug/l #	46
38) Carbon Tetrachloride	7.03	117	53724	6.083	ug/l #	16
51) 4-Methyl-2-Pentanone	10.39	43	3579	1.359	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	117507	78.784	ug/l #	20

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.01 min

Lab File: VD061784.D

Acq: 12 Apr 2019 17:58

Instrument :

MSVOA_D

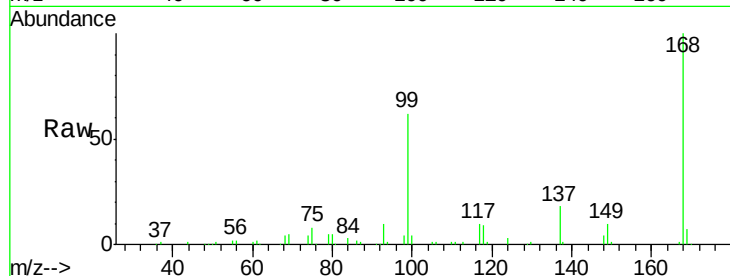
ClientSampleId :

Tot Ion:168 Resp: 545402

Ion Ratio Lower Upper

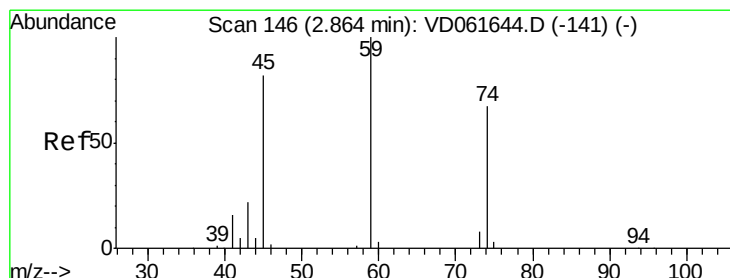
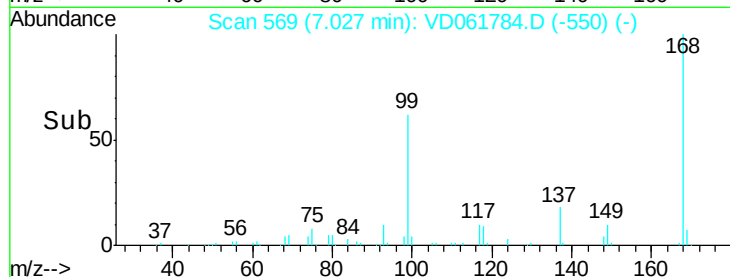
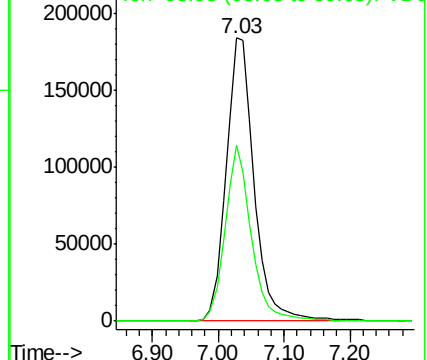
168 100

99 62.0 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#8

Diethyl Ether

Concen: 1.193 ug/l

RT: 2.86 min Scan# 146

Delta R.T. -0.00 min

Lab File: VD061784.D

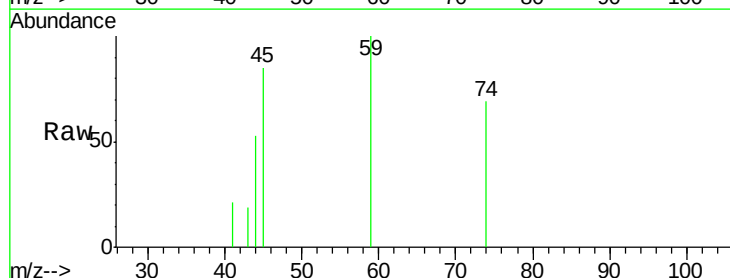
Acq: 12 Apr 2019 17:58

Tgt Ion: 74 Resp: 2246

Ion Ratio Lower Upper

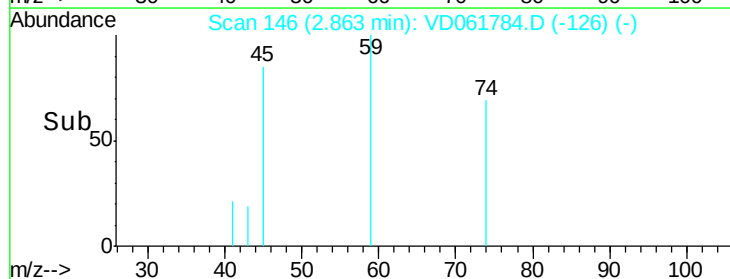
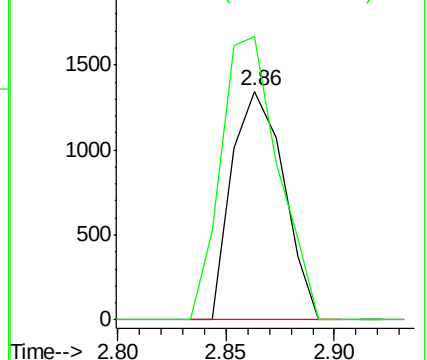
74 100

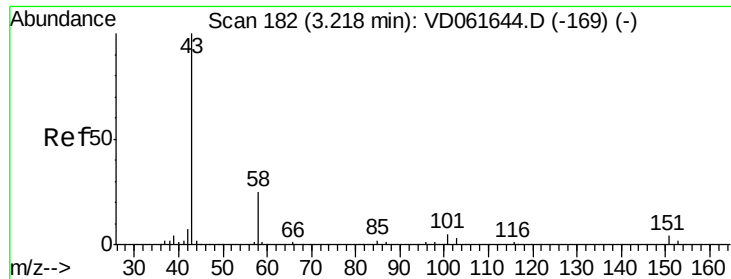
45 123.9 61.0 183.0



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#16

Acetone

Concen: 37.288 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD061784.D

Acq: 12 Apr 2019 17:58

Instrument :

MSVOA_D

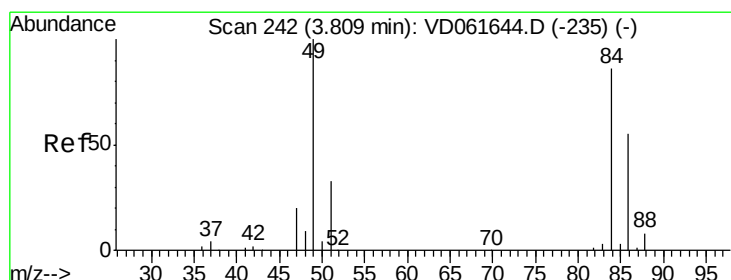
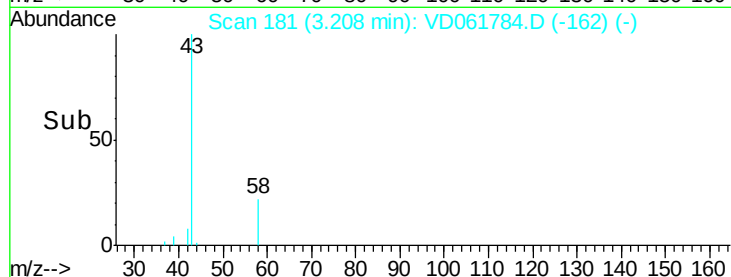
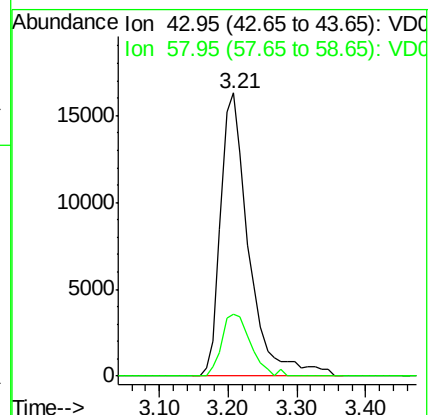
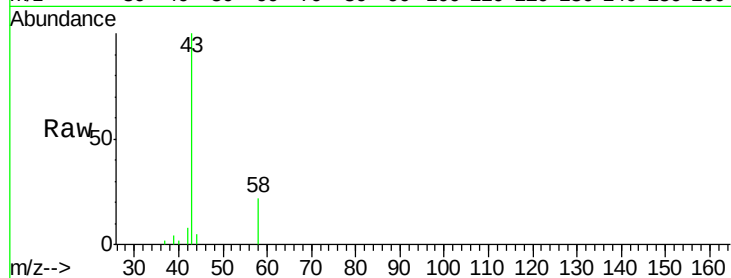
ClientSampleId :

Tot Ion: 43 Resp: 46081

Ion Ratio Lower Upper

43 100

58 22.0 19.7 29.5



#20

Methylene Chloride

Concen: 8.312 ug/l

RT: 3.80 min Scan# 241

Delta R.T. -0.01 min

Lab File: VD061784.D

Acq: 12 Apr 2019 17:58

Tgt Ion: 84 Resp: 58289

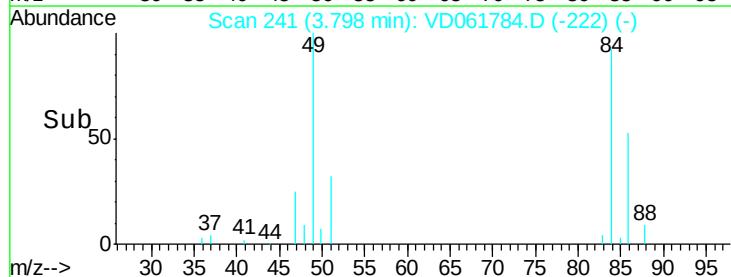
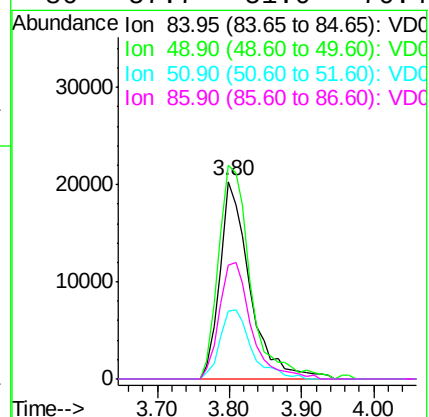
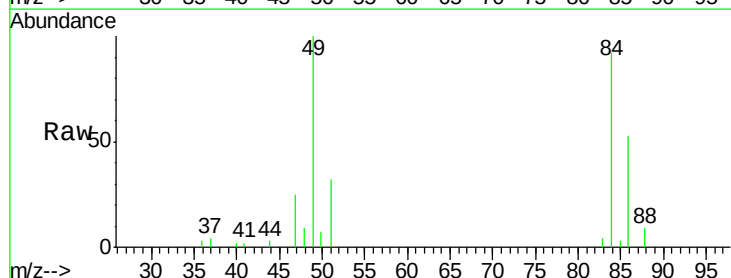
Ion Ratio Lower Upper

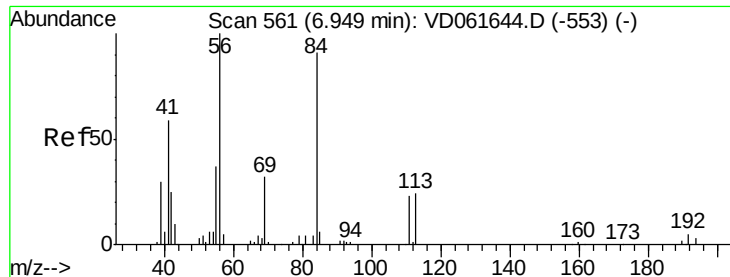
84 100

49 108.2 93.0 139.4

51 34.5 30.4 45.6

86 57.7 51.0 76.4

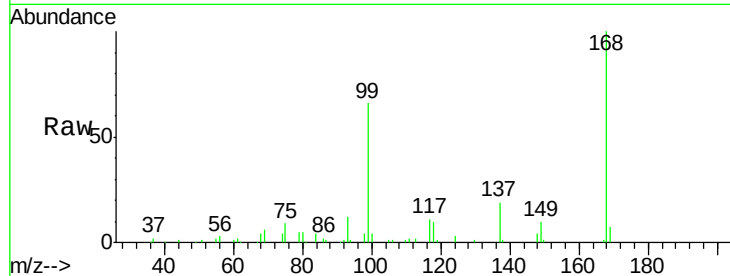




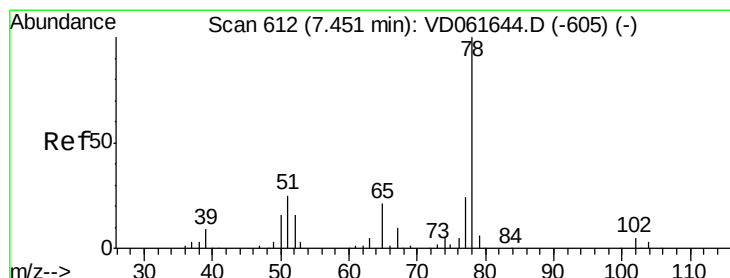
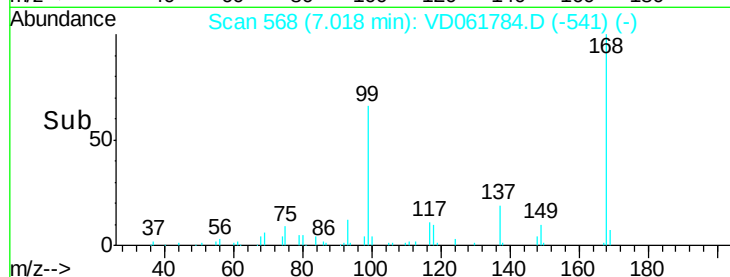
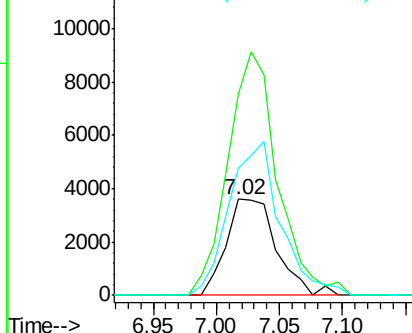
#31
Cyclohexane
Concen: 1.277 ug/l
RT: 7.02 min Scan# 568
Delta R.T. 0.07 min
Lab File: VD061784.D
Acq: 12 Apr 2019 17:58

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 9939
Ion Ratio Lower Upper
56 100
69 210.2 25.8 38.6#
84 132.3 74.2 111.2#

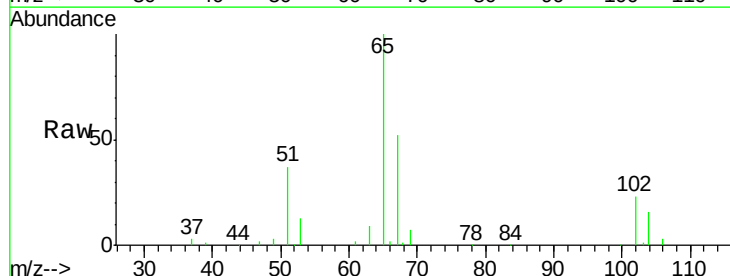


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

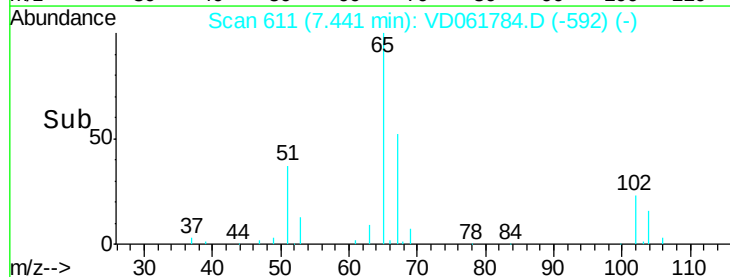
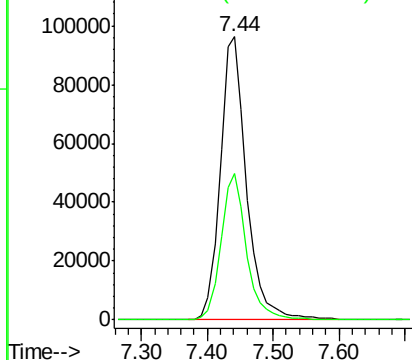


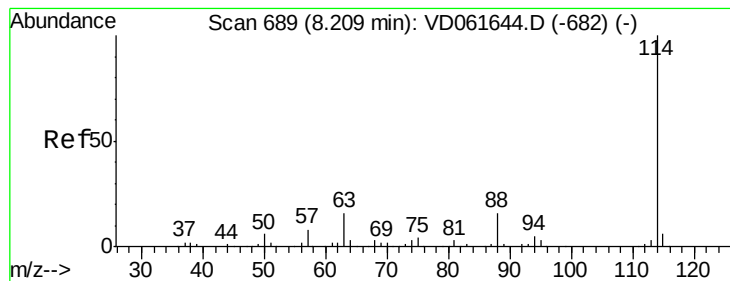
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.01 min
Lab File: VD061784.D
Acq: 12 Apr 2019 17:58

Tgt Ion: 65 Resp: 265783
Ion Ratio Lower Upper
65 100
67 51.7 0.0 99.4



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: 8.21 min Scan# 689

Delta R.T. -0.00 min

Lab File: VD061784.D

Acq: 12 Apr 2019 17:58

Instrument :

MSVOA_D

ClientSampleId :

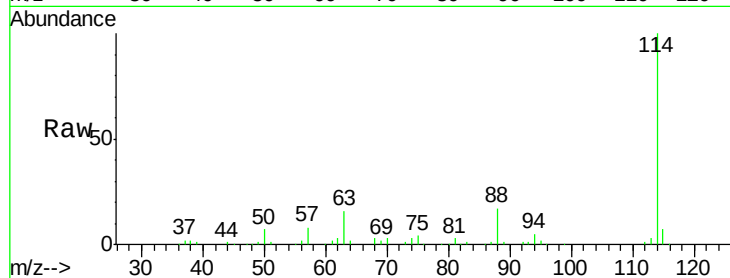
Tot Ion:114 Resp: 860983

Ion Ratio Lower Upper

114 100

63 16.2 0.0 31.2

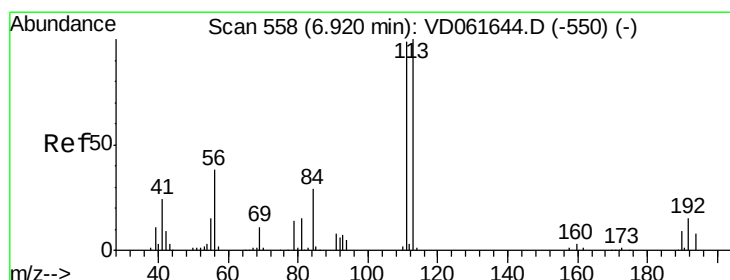
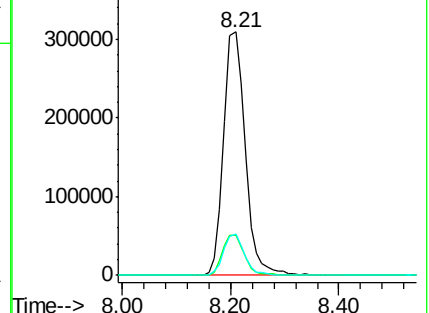
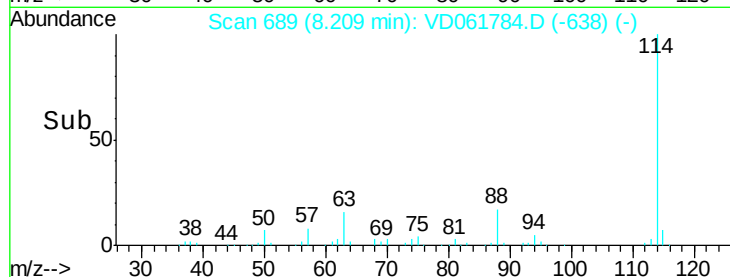
88 17.1 0.0 31.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.01 min

Lab File: VD061784.D

Acq: 12 Apr 2019 17:58

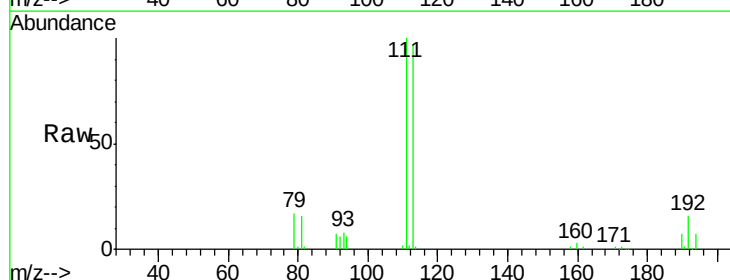
Tgt Ion:113 Resp: 357246

Ion Ratio Lower Upper

113 100

111 103.3 79.3 118.9

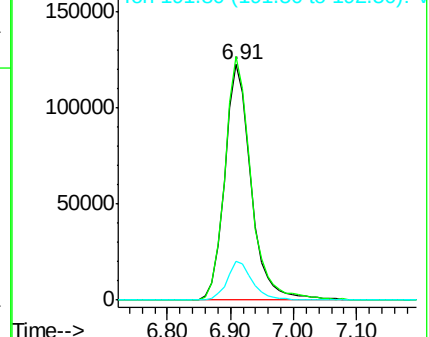
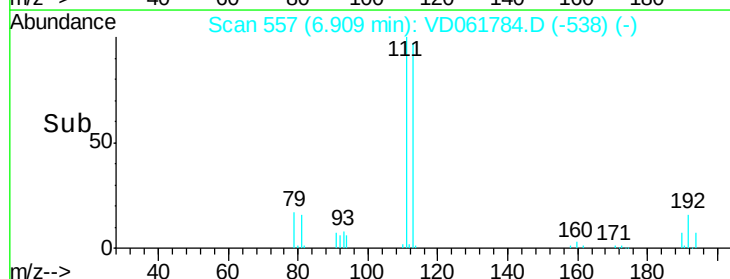
192 16.4 12.3 18.5

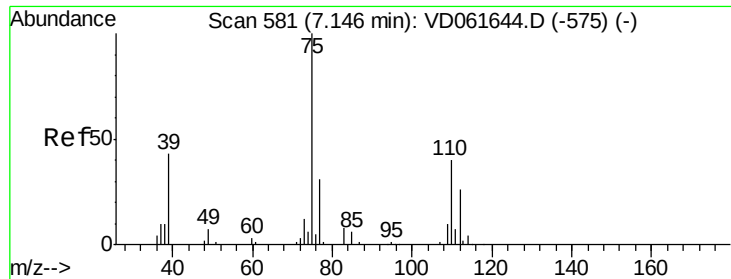


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

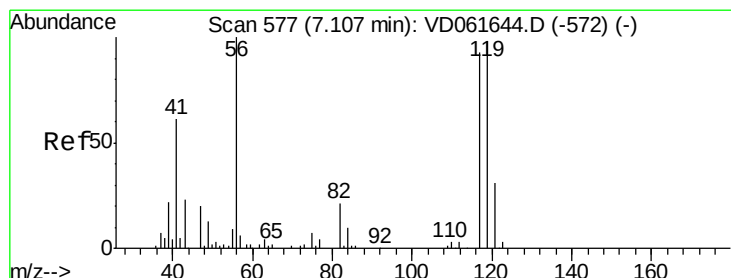
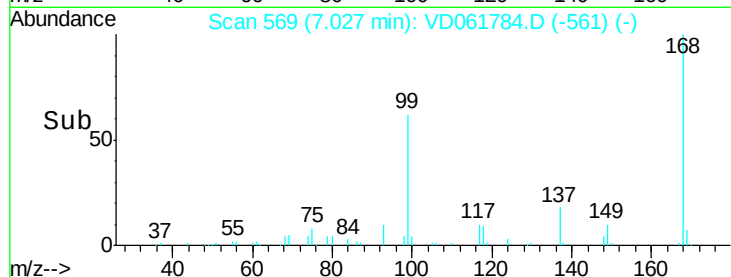
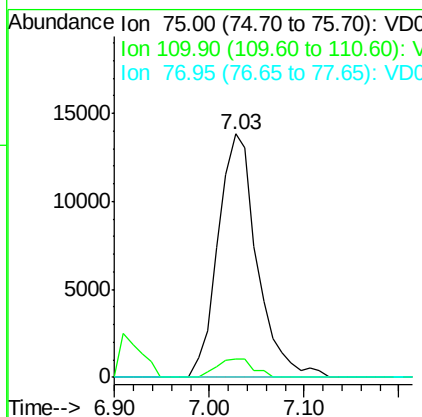
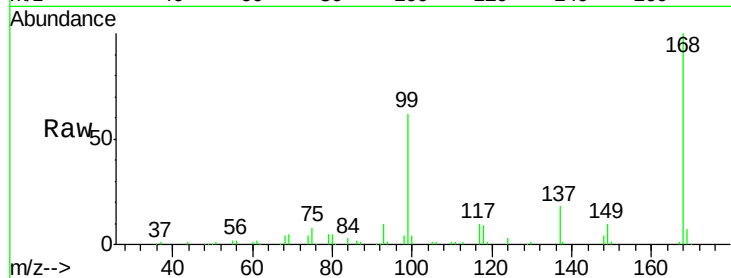




#36
 1,1-Dichloropropene
 Concen: 5.249 ug/l
 RT: 7.03 min Scan# 569
 Delta R.T. -0.12 min
 Lab File: VD061784.D
 Acq: 12 Apr 2019 17:58

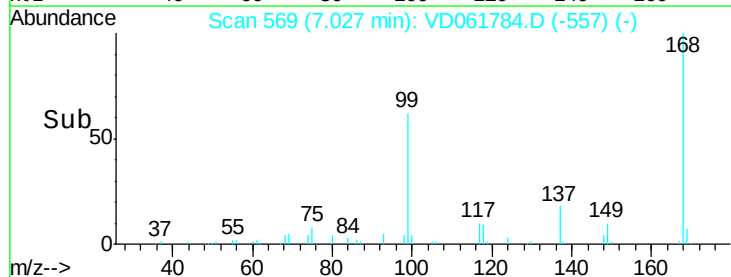
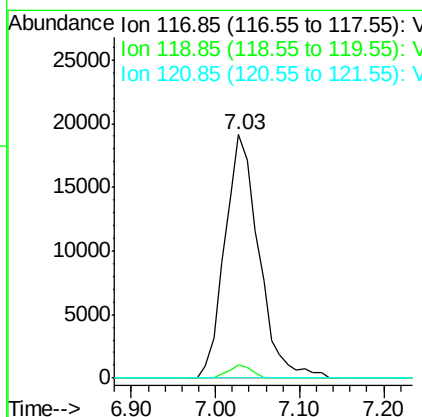
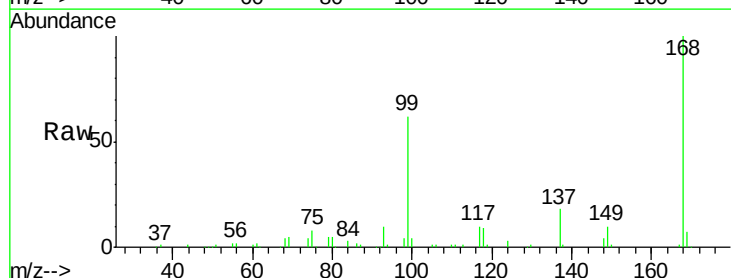
Instrument :
 MSVOA_D
 ClientSampleId :

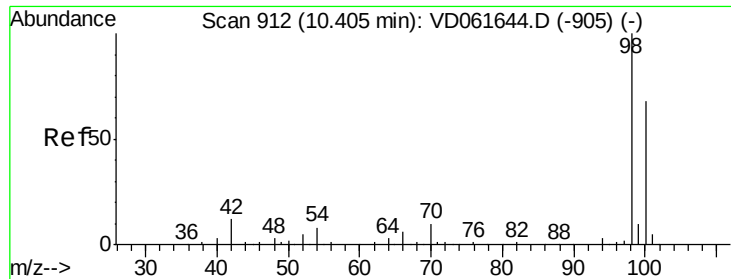
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.8	19.7	59.0#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.083 ug/l
 RT: 7.03 min Scan# 569
 Delta R.T. -0.08 min
 Lab File: VD061784.D
 Acq: 12 Apr 2019 17:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.6	77.9	116.9#
121	0.0	24.7	37.1#

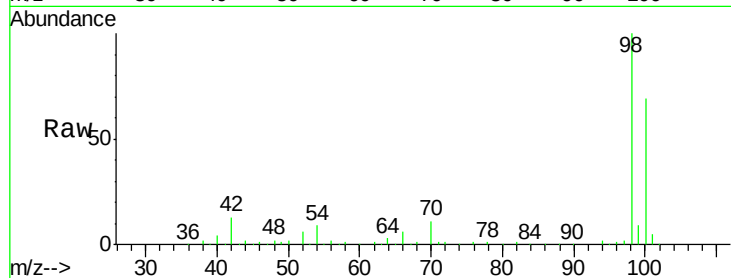




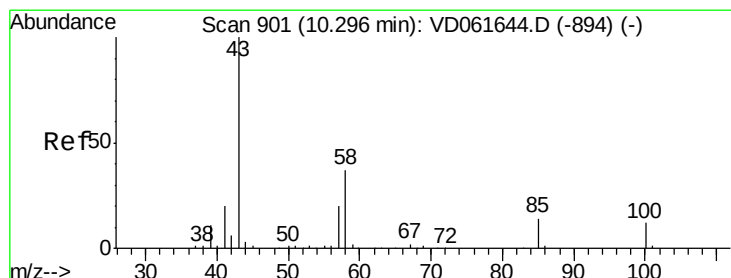
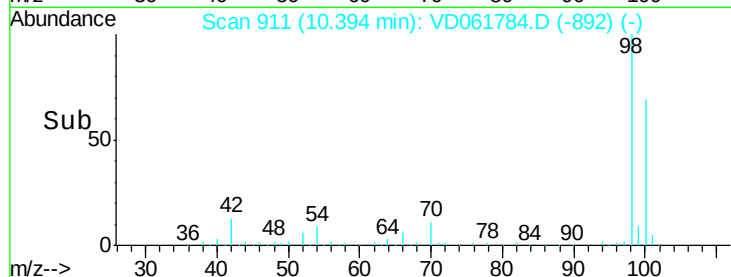
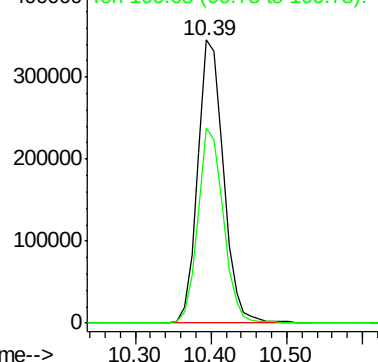
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD061784.D
Acq: 12 Apr 2019 17:58

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 812381
Ion Ratio Lower Upper
98 100
100 68.9 55.4 83.0

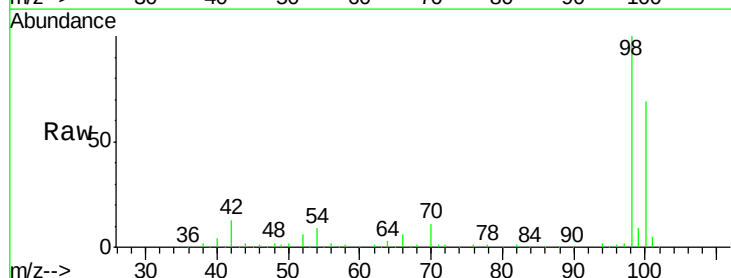


Abundance Ion 98.05 (97.75 to 98.75): VD061644.D (-905) (-)
Ion 100.05 (99.75 to 100.75): VD061644.D (-905) (-)

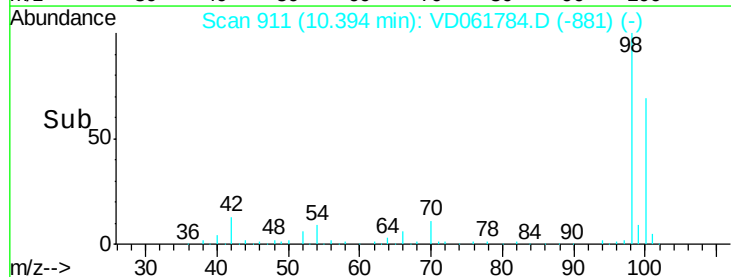
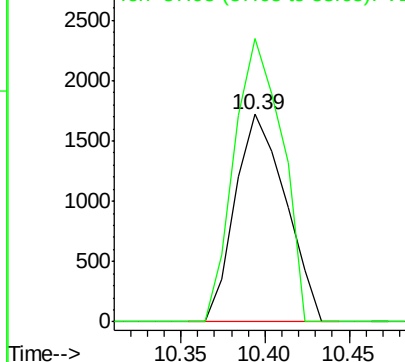


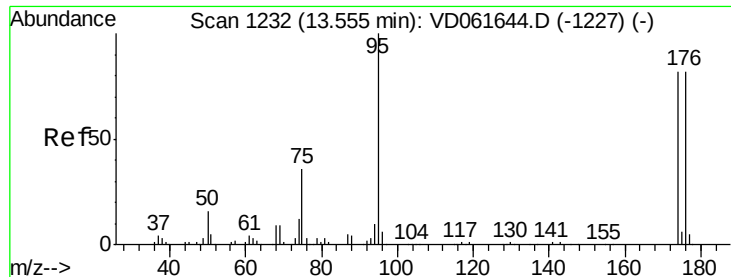
#51
4-Methyl-2-Pentanone
Concen: 1.359 ug/l
RT: 10.39 min Scan# 911
Delta R.T. 0.10 min
Lab File: VD061784.D
Acq: 12 Apr 2019 17:58

Tgt Ion: 43 Resp: 3579
Ion Ratio Lower Upper
43 100
58 136.6 29.8 44.8#



Abundance Ion 42.95 (42.65 to 43.65): VD061644.D (-894) (-)
Ion 57.95 (57.65 to 58.65): VD061644.D (-894) (-)





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD061784.D

Acq: 12 Apr 2019 17:58

Instrument :

MSVOA_D

ClientSampleId :

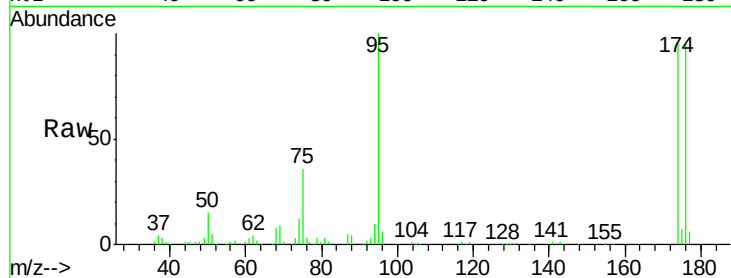
Tot Ion: 95 Resp: 307265

Ion Ratio Lower Upper

95 100

174 95.7 0.0 164.6

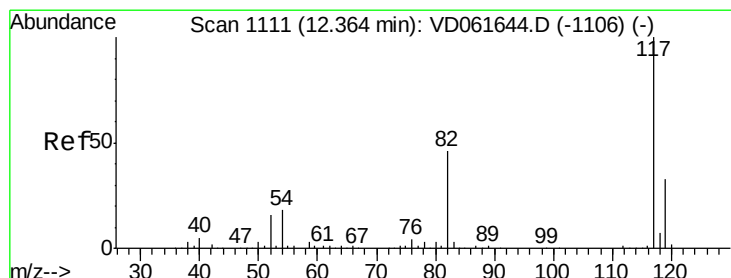
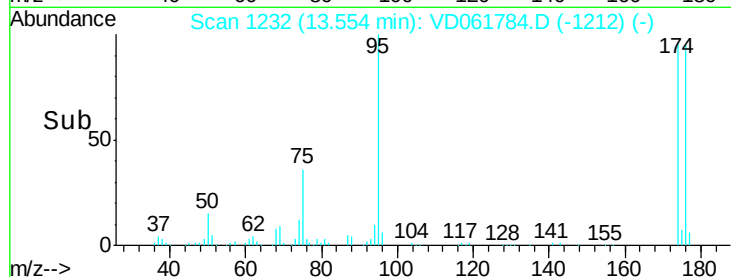
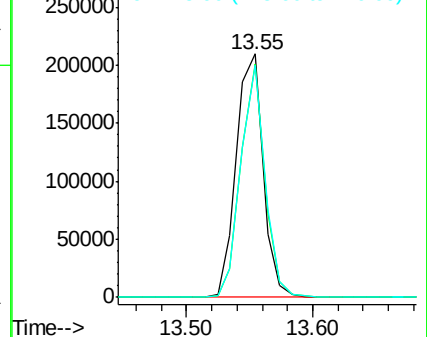
176 95.5 0.0 165.0



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: 12.36 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD061784.D

Acq: 12 Apr 2019 17:58

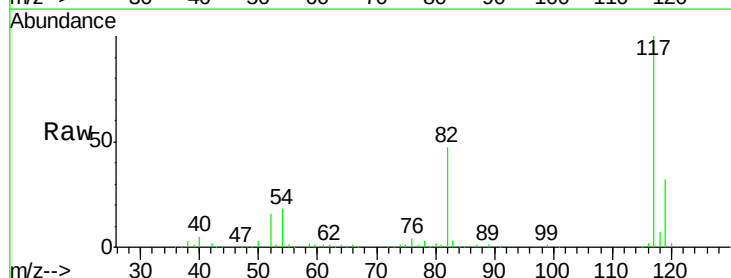
Tgt Ion: 117 Resp: 697819

Ion Ratio Lower Upper

117 100

82 46.8 36.8 55.2

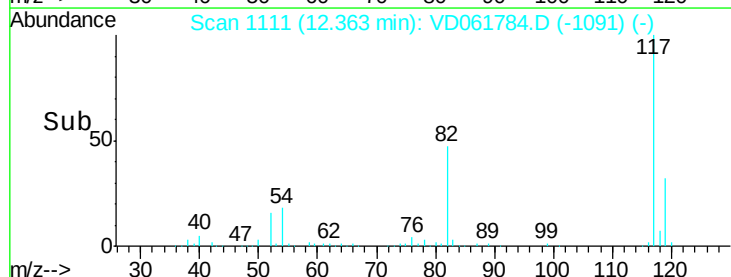
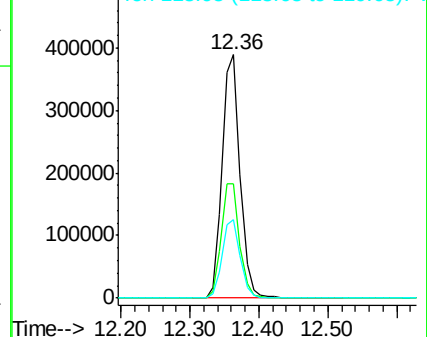
119 32.4 26.1 39.1

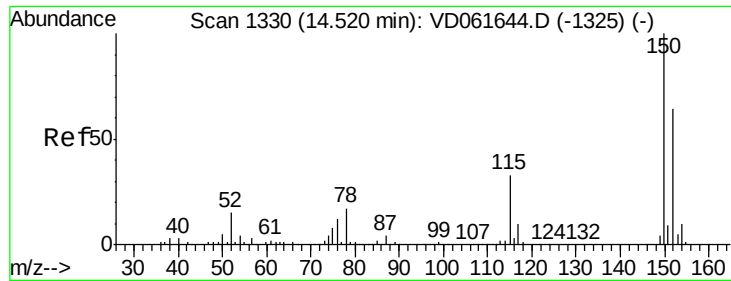


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



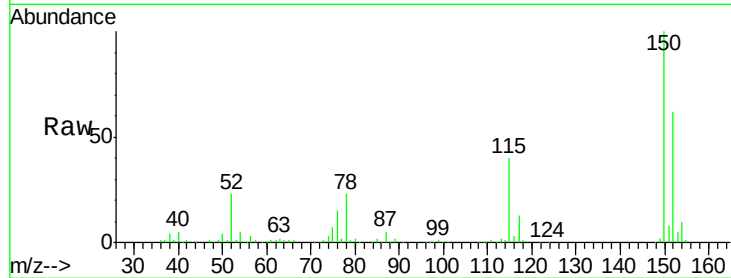


#72

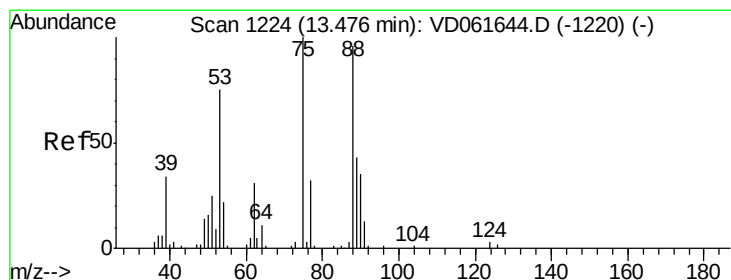
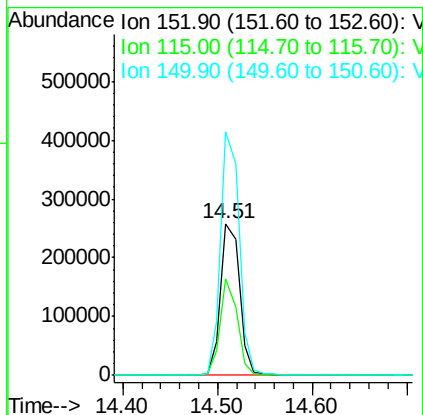
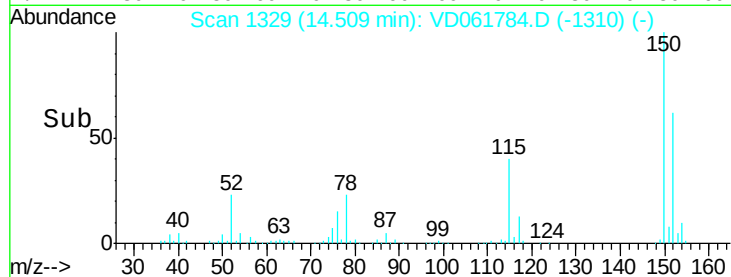
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD061784.D
Acq: 12 Apr 2019 17:58

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:152 Resp: 361272
Ion Ratio Lower Upper
152 100
115 63.6 26.4 79.2
150 160.1 0.0 320.6



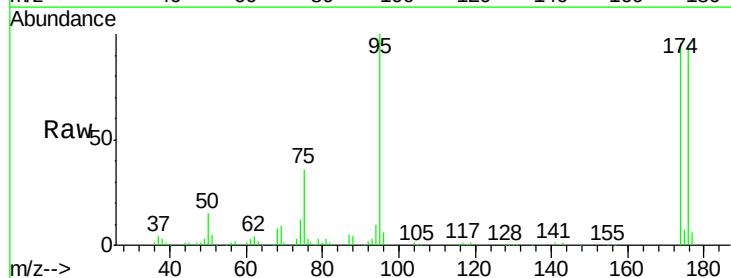
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 78.784 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.08 min
Lab File: VD061784.D
Acq: 12 Apr 2019 17:58

Tgt Ion: 75 Resp: 117507
Ion Ratio Lower Upper
75 100
53 0.0 60.2 90.2#
89 0.0 34.2 51.2#



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

