

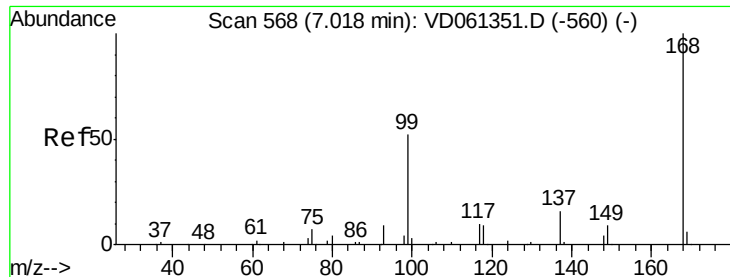
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040119\
 Data File : VD061480.D
 Acq On : 1 Apr 2019 20:37
 Operator : VA/AP
 Sample : K2182-13
 Misc : 5.33q/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 02 01:20:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	530070	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.20	114	915742	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.36	117	745733	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	348473	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	234702	51.83	ug/l	0.02
Spiked Amount 50.000			Recovery	=	103.66%	
35) Dibromofluoromethane	6.91	113	356149	50.89	ug/l	0.02
Spiked Amount 50.000			Recovery	=	101.78%	
50) Toluene-d8	10.40	98	779930	46.47	ug/l	0.02
Spiked Amount 50.000			Recovery	=	92.94%	
62) 4-Bromofluorobenzene	13.55	95	313623	48.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.46%	
Target Compounds						
8) Diethyl Ether	2.88	74	2444	1.231	ug/l	89
16) Acetone	3.21	43	35461	30.464	ug/l	91
20) Methylene Chloride	3.82	84	67915	8.834	ug/l	96
31) Cyclohexane	7.03	56	9673	1.240	ug/l #	1
36) 1,1-Dichloropropene	7.03	75	39145	4.898	ug/l #	47
38) Carbon Tetrachloride	7.03	117	51337	5.590	ug/l #	14
51) 4-Methyl-2-Pentanone	10.39	43	3487	1.152	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	119347	77.760	ug/l #	18

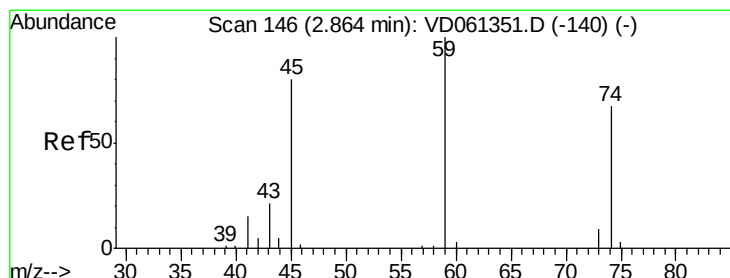
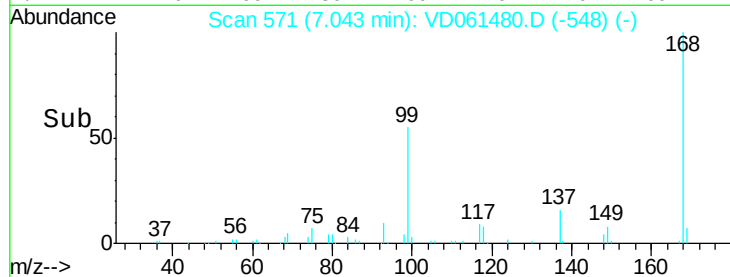
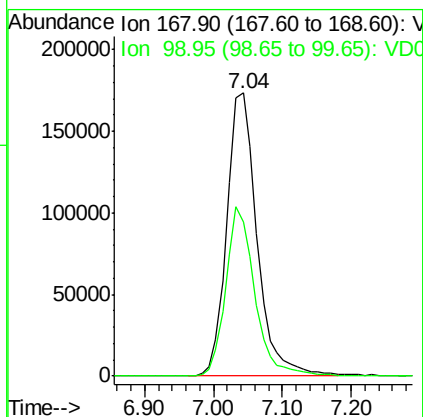
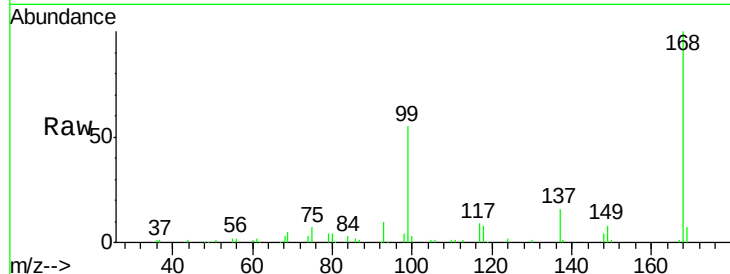
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.04 min Scan# 571
Delta R.T. 0.03 min
Lab File: VD061480.D
Acq: 1 Apr 2019 20:37

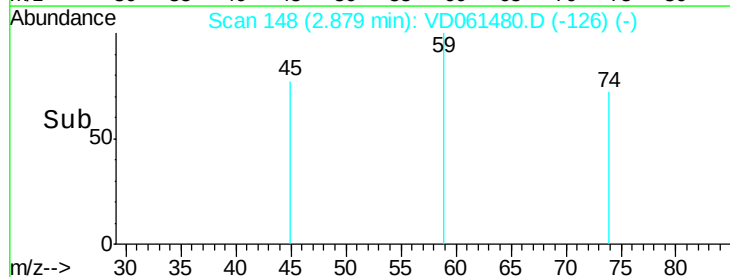
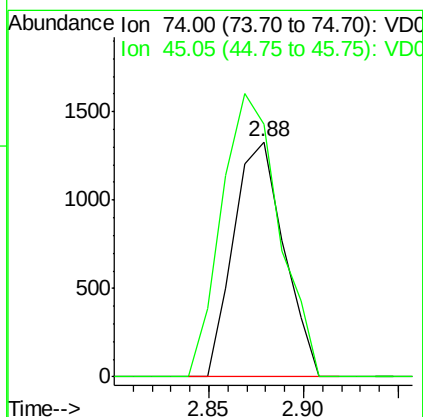
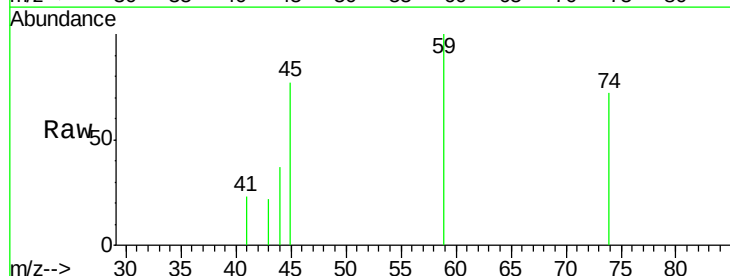
Instrument :
MSVOA_D
ClientSampled :

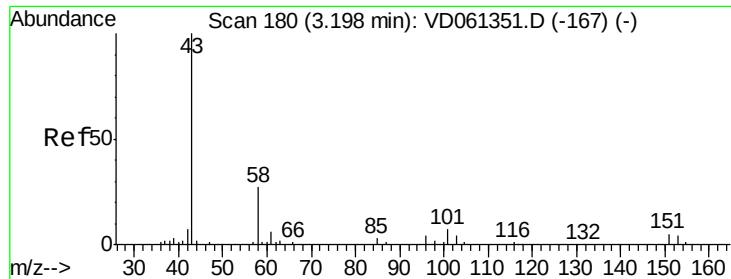
Tot Ion:168 Resp: 530070
Ion Ratio Lower Upper
168 100
99 54.6 43.1 64.7



#8
Diethyl Ether
Concen: 1.231 ug/l
RT: 2.88 min Scan# 148
Delta R.T. 0.02 min
Lab File: VD061480.D
Acq: 1 Apr 2019 20:37

Tgt Ion: 74 Resp: 2444
Ion Ratio Lower Upper
74 100
45 107.7 59.7 179.1





#16

Acetone

Concen: 30.464 ug/l

RT: 3.21 min Scan# 182

Delta R.T. 0.02 min

Lab File: VD061480.D

Acq: 1 Apr 2019 20:37

Instrument :

MSVOA_D

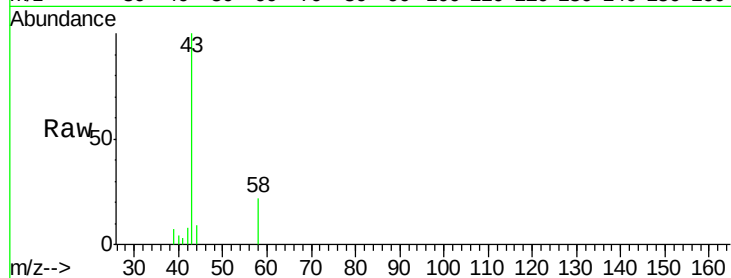
ClientSampled :

Tot Ion: 43 Resp: 35461

Ion Ratio Lower Upper

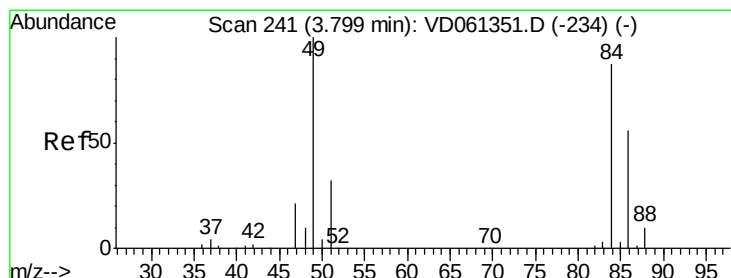
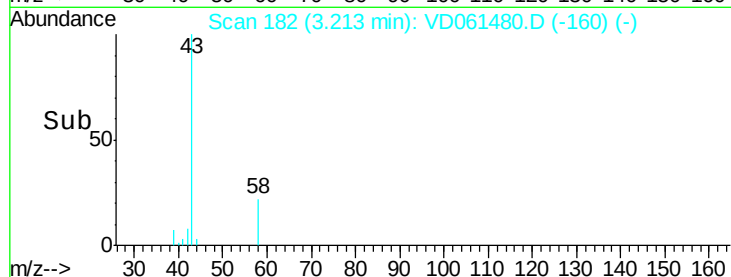
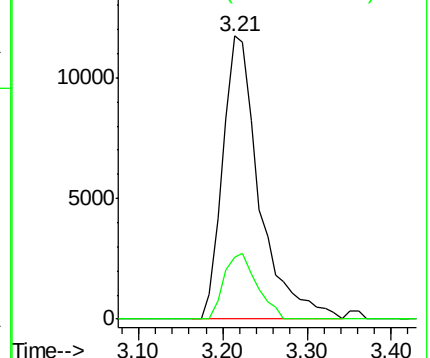
43 100

58 22.0 21.5 32.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 8.834 ug/l

RT: 3.82 min Scan# 244

Delta R.T. 0.03 min

Lab File: VD061480.D

Acq: 1 Apr 2019 20:37

Tgt Ion: 84 Resp: 67915

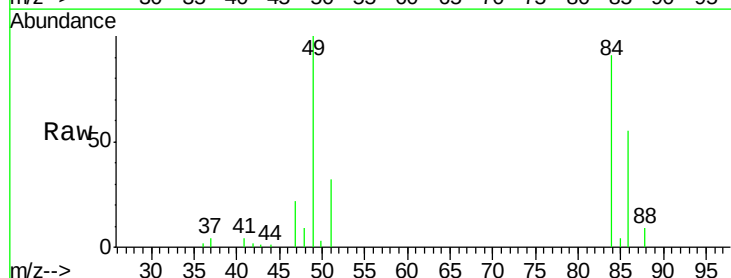
Ion Ratio Lower Upper

84 100

49 110.2 91.8 137.8

51 35.0 29.8 44.8

86 61.0 51.8 77.6

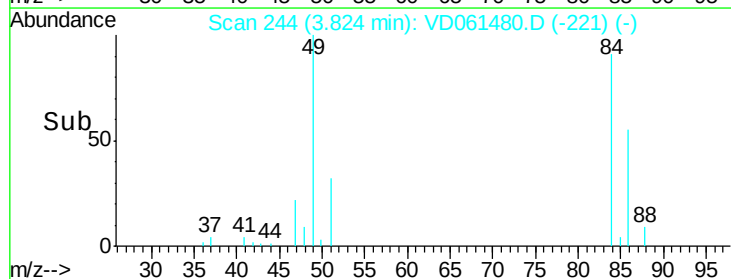
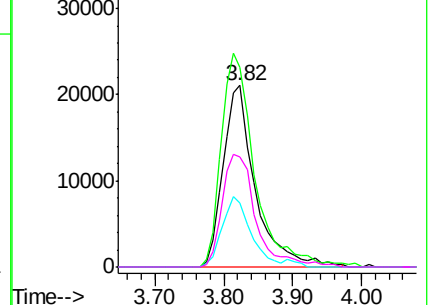


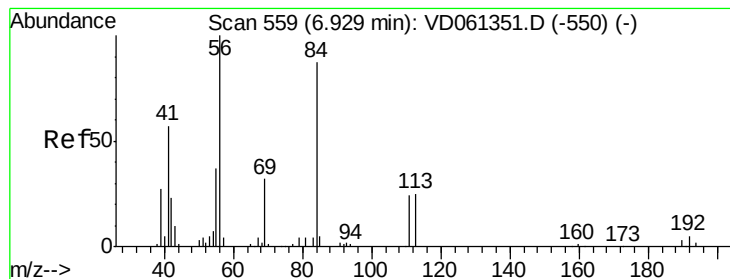
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

Cyclohexane

Concen: 1.240 ug/l

RT: 7.03 min Scan# 570

Delta R.T. 0.10 min

Lab File: VD061480.D

Acq: 1 Apr 2019 20:37

Instrument :

MSVOA_D

ClientSampled :

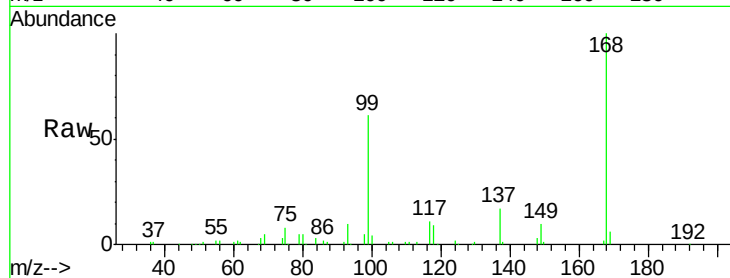
Tot Ion: 56 Resp: 9673

Ion Ratio Lower Upper

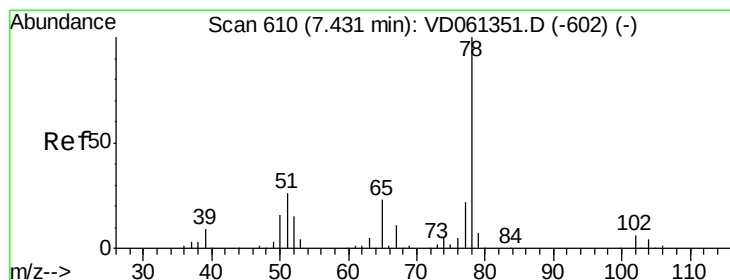
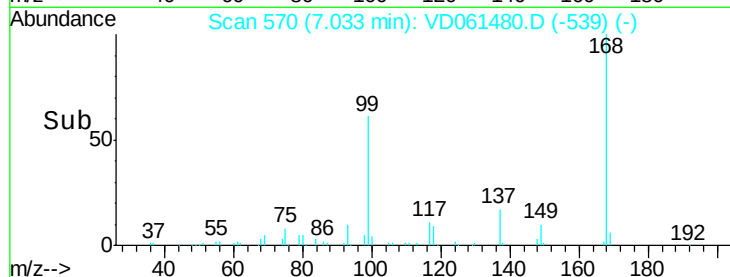
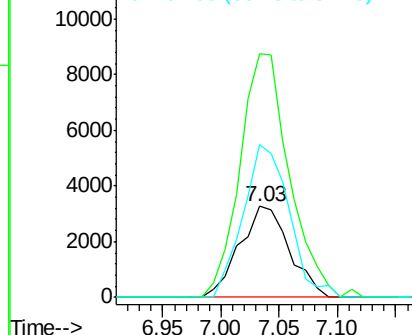
56 100

69 267.9 25.7 38.5#

84 168.2 70.6 105.8#



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: 7.45 min Scan# 612

Delta R.T. 0.02 min

Lab File: VD061480.D

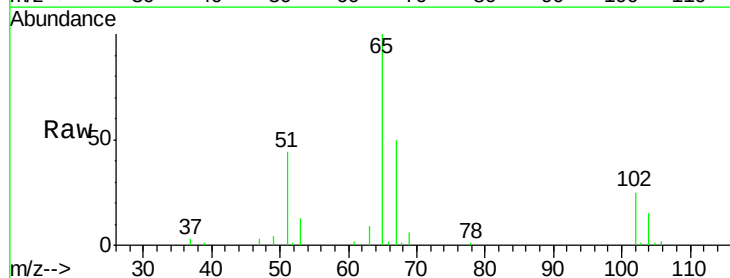
Acq: 1 Apr 2019 20:37

Tgt Ion: 65 Resp: 234702

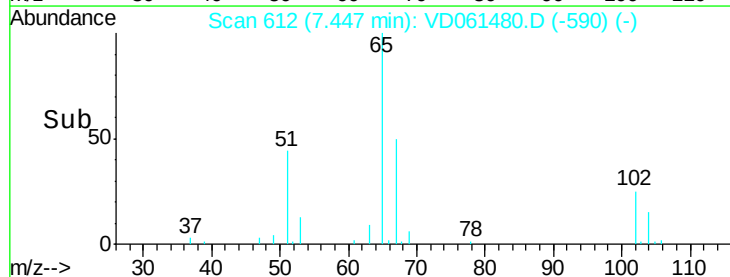
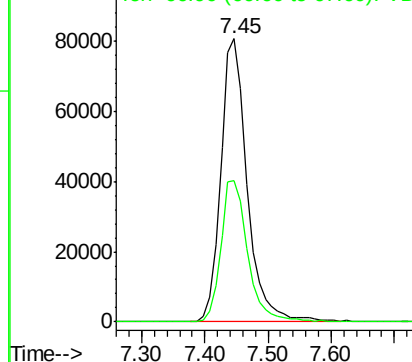
Ion Ratio Lower Upper

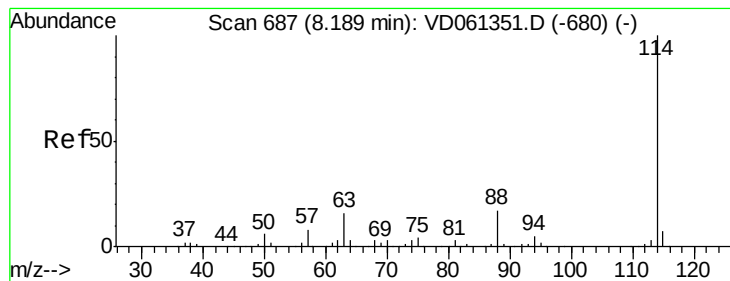
65 100

67 49.7 0.0 99.8



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: 8.20 min Scan# 689

Delta R.T. 0.02 min

Lab File: VD061480.D

Acq: 1 Apr 2019 20:37

Instrument :

MSVOA_D

ClientSampleId :

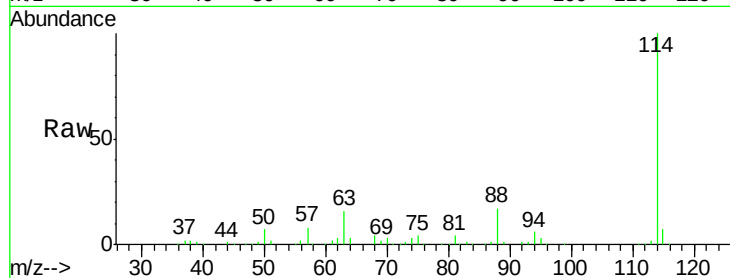
Tot Ion:114 Resp: 915742

Ion Ratio Lower Upper

114 100

63 16.3 0.0 31.6

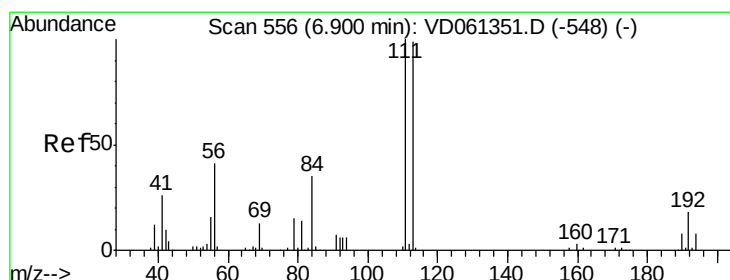
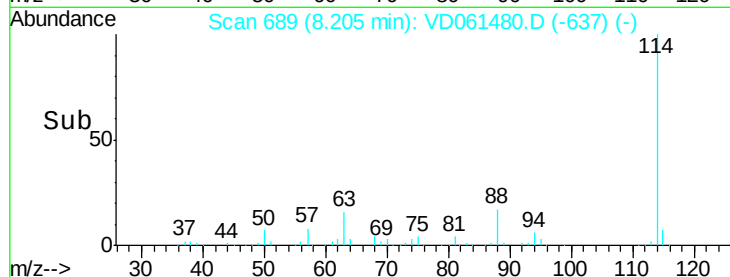
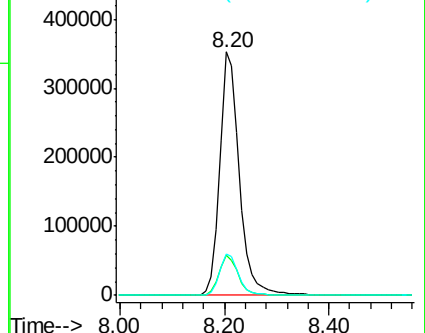
88 17.1 0.0 33.4



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# 558

Delta R.T. 0.02 min

Lab File: VD061480.D

Acq: 1 Apr 2019 20:37

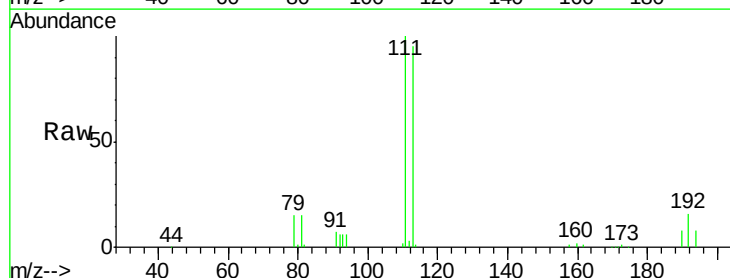
Tgt Ion:113 Resp: 356149

Ion Ratio Lower Upper

113 100

111 105.4 81.0 121.6

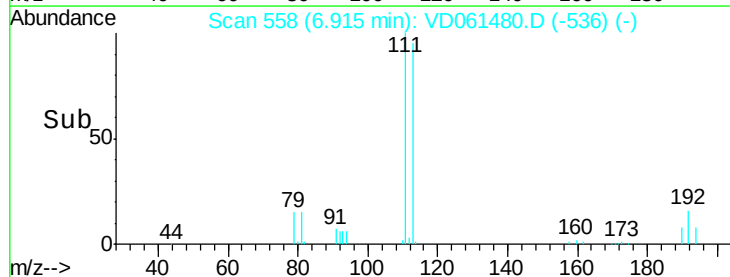
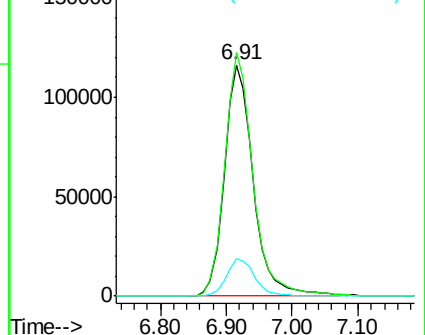
192 16.4 14.4 21.6

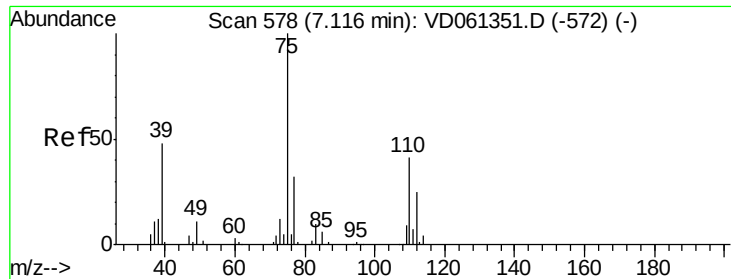


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 4.898 ug/l

RT: 7.03 min Scan# 570

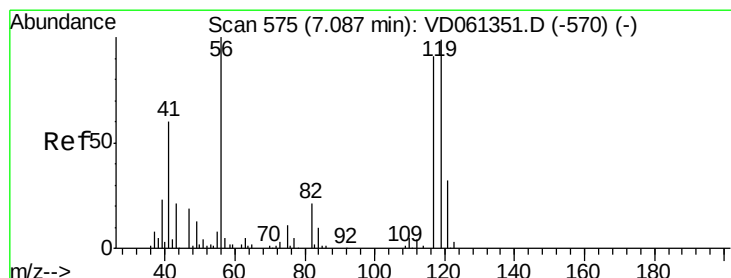
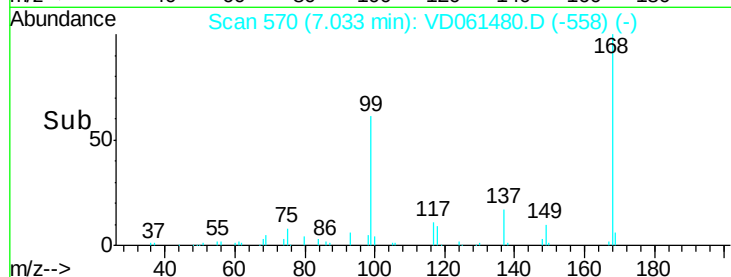
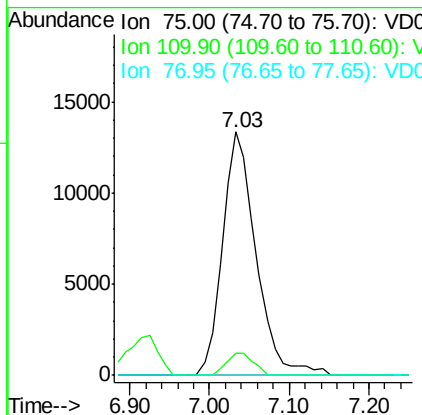
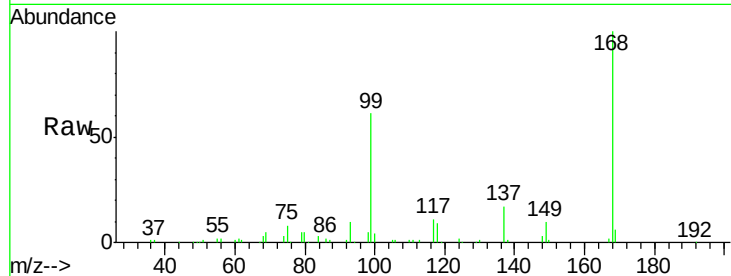
Delta R.T. -0.08 min

Lab File: VD061480.D

Acq: 1 Apr 2019 20:37

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:	75	Resp:	39145
Ion	Ratio	Lower	Upper
75	100		
110	9.0	20.4	61.3#
77	0.0	24.9	37.3#



#38

Carbon Tetrachloride

Concen: 5.590 ug/l

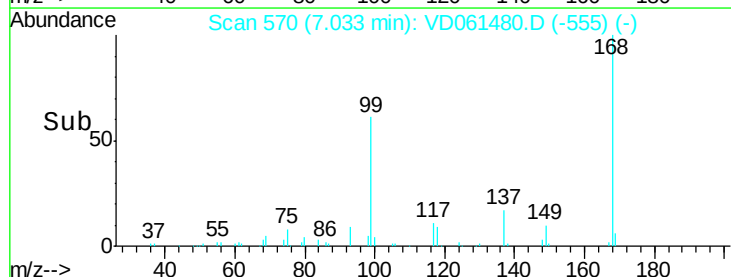
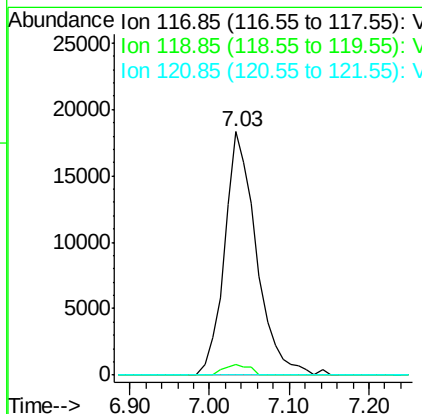
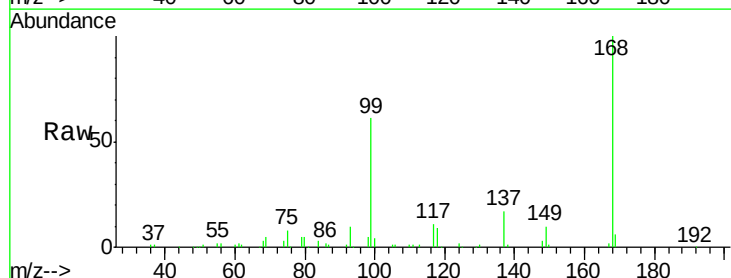
RT: 7.03 min Scan# 570

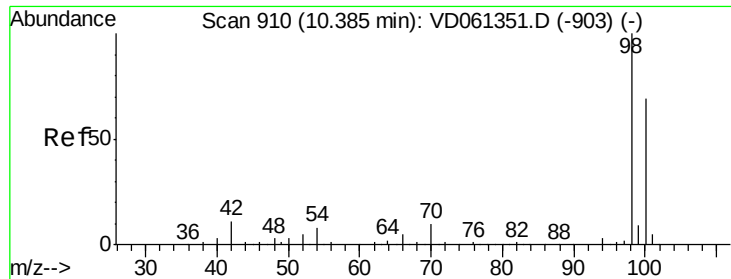
Delta R.T. -0.05 min

Lab File: VD061480.D

Acq: 1 Apr 2019 20:37

Tgt Ion:	117	Resp:	51337
Ion	Ratio	Lower	Upper
117	100		
119	4.4	80.1	120.1#
121	0.0	25.6	38.4#

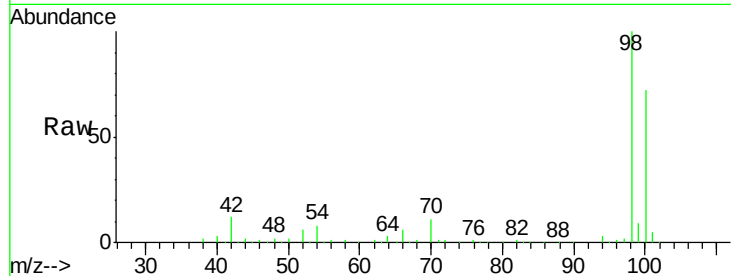




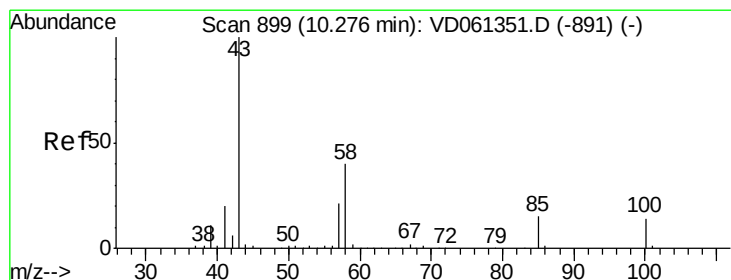
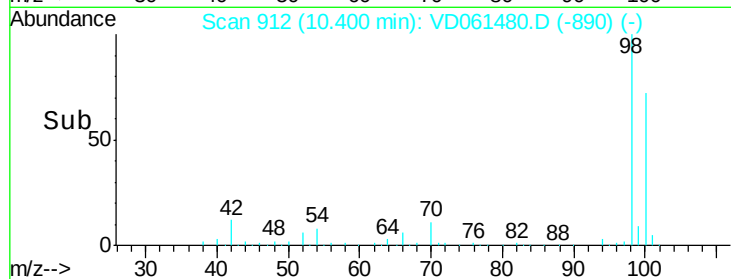
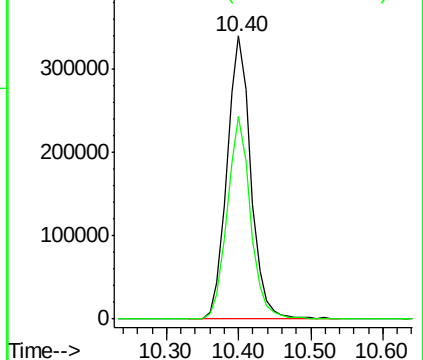
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.02 min
Lab File: VD061480.D
Acq: 1 Apr 2019 20:37

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 779930
Ion Ratio Lower Upper
98 100
100 71.5 56.2 84.2

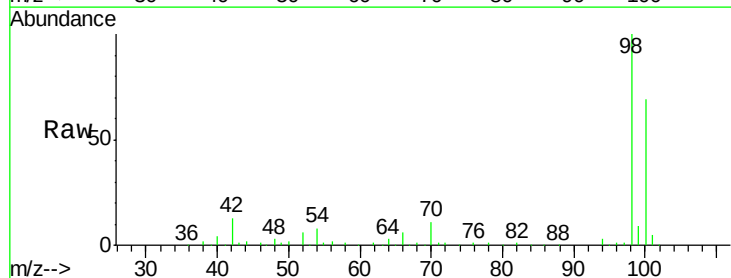


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

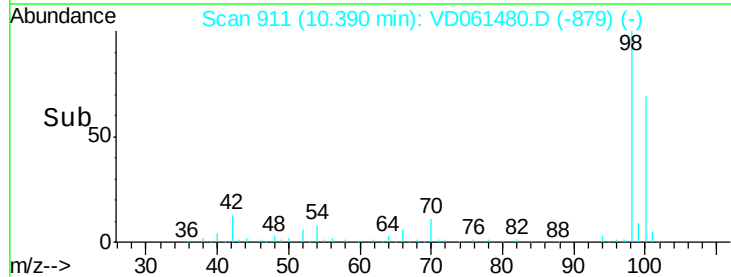
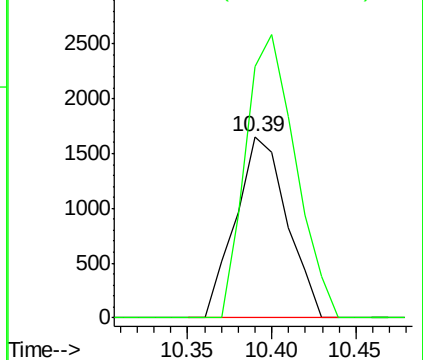


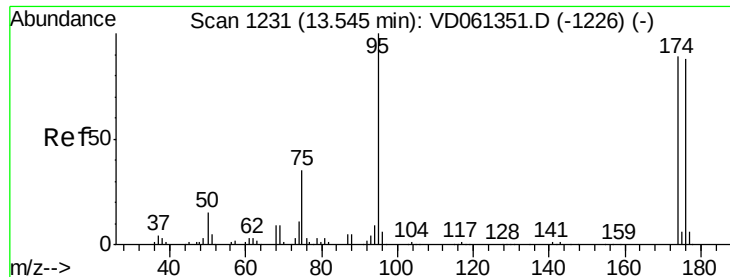
#51
4-Methyl-2-Pentanone
Concen: 1.152 ug/l
RT: 10.39 min Scan# 911
Delta R.T. 0.11 min
Lab File: VD061480.D
Acq: 1 Apr 2019 20:37

Tgt Ion: 43 Resp: 3487
Ion Ratio Lower Upper
43 100
58 139.0 31.8 47.8#



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

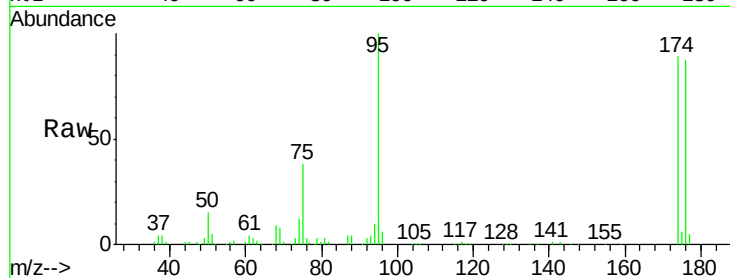




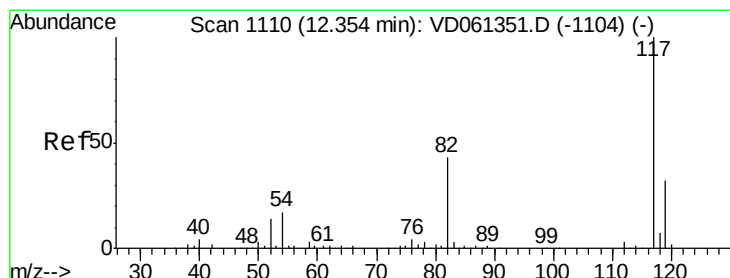
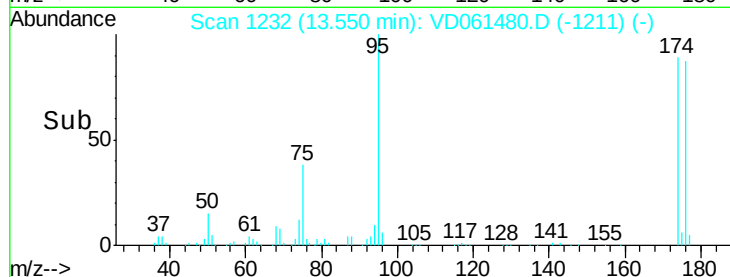
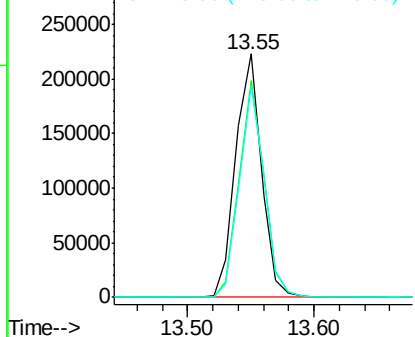
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD061480.D
Acq: 1 Apr 2019 20:37

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 95 Resp: 313623
Ion Ratio Lower Upper
95 100
174 88.8 0.0 178.0
176 86.7 0.0 175.0

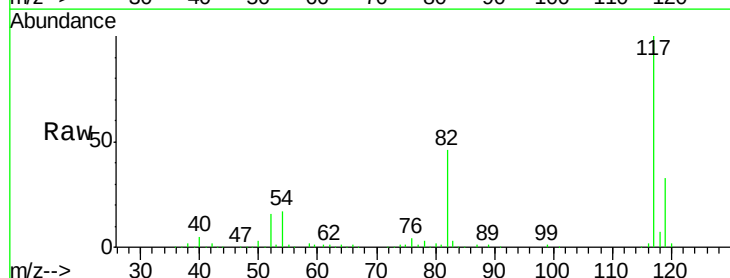


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

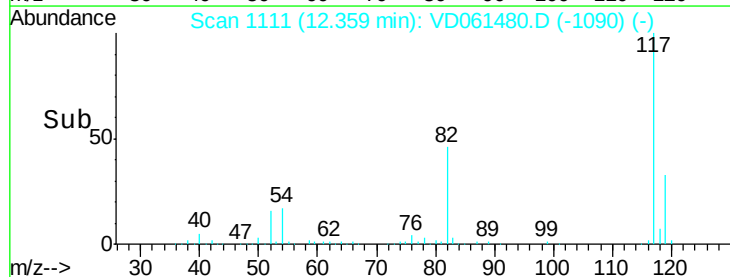
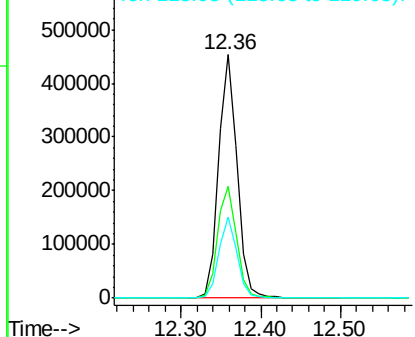


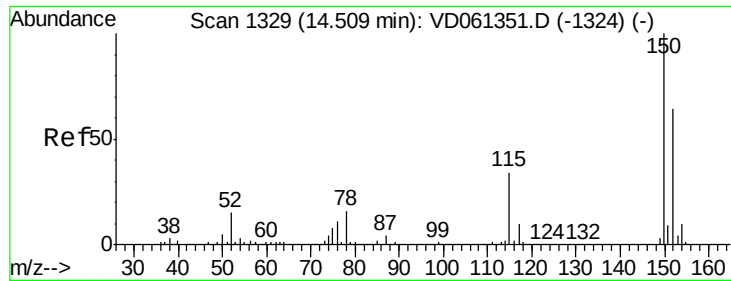
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD061480.D
Acq: 1 Apr 2019 20:37

Tgt Ion: 117 Resp: 745733
Ion Ratio Lower Upper
117 100
82 45.8 34.4 51.6
119 33.2 25.8 38.6



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



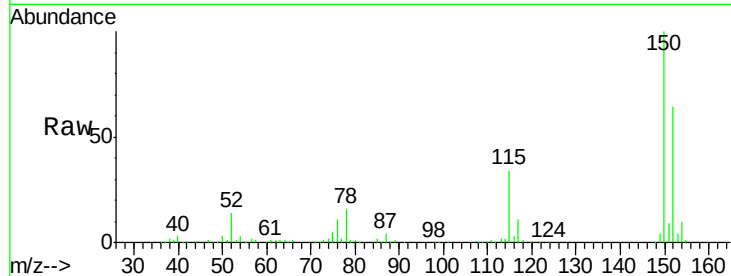


#72

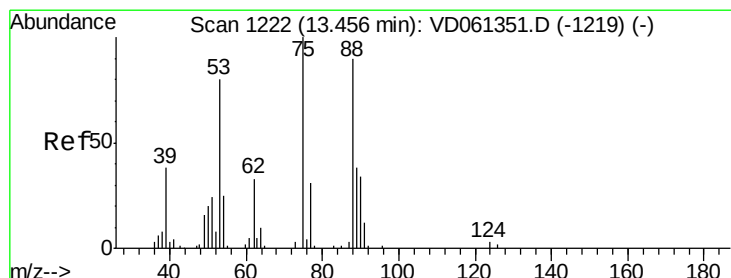
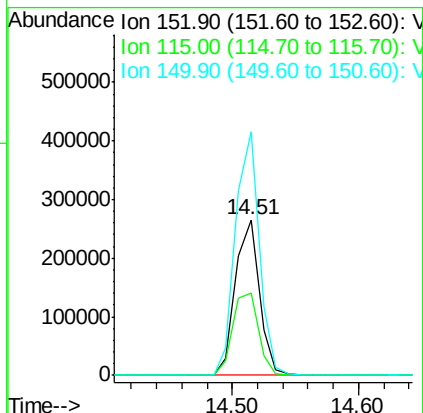
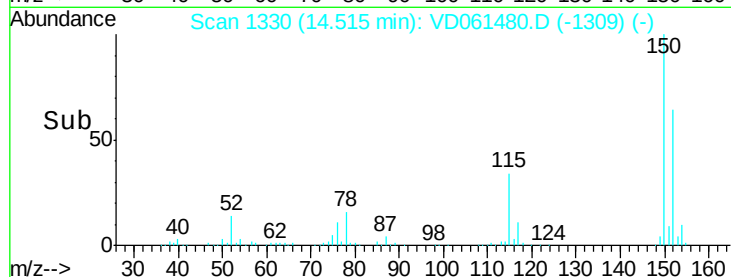
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. 0.01 min
Lab File: VD061480.D
Acq: 1 Apr 2019 20:37

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:152 Resp: 348473
Ion Ratio Lower Upper
152 100
115 52.6 26.9 80.6
150 156.4 0.0 318.0



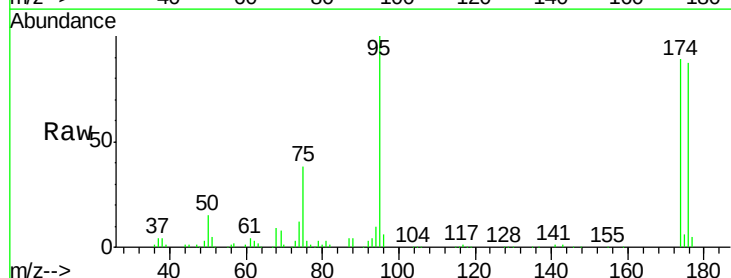
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 77.760 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.09 min
Lab File: VD061480.D
Acq: 1 Apr 2019 20:37

Tgt Ion: 75 Resp: 119347
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.8#
89 0.0 30.5 45.7#



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

