

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081318\
 Data File : VD059746.D
 Acq On : 13 Aug 2018 21:10
 Operator : VA/AP
 Sample : J4409-11RE
 Misc : 5.18g/5ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 14 03:52:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081018S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 11 05:42:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	174435	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.68	114	215780	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	150253	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	59068	50.00	ug/l	0.00

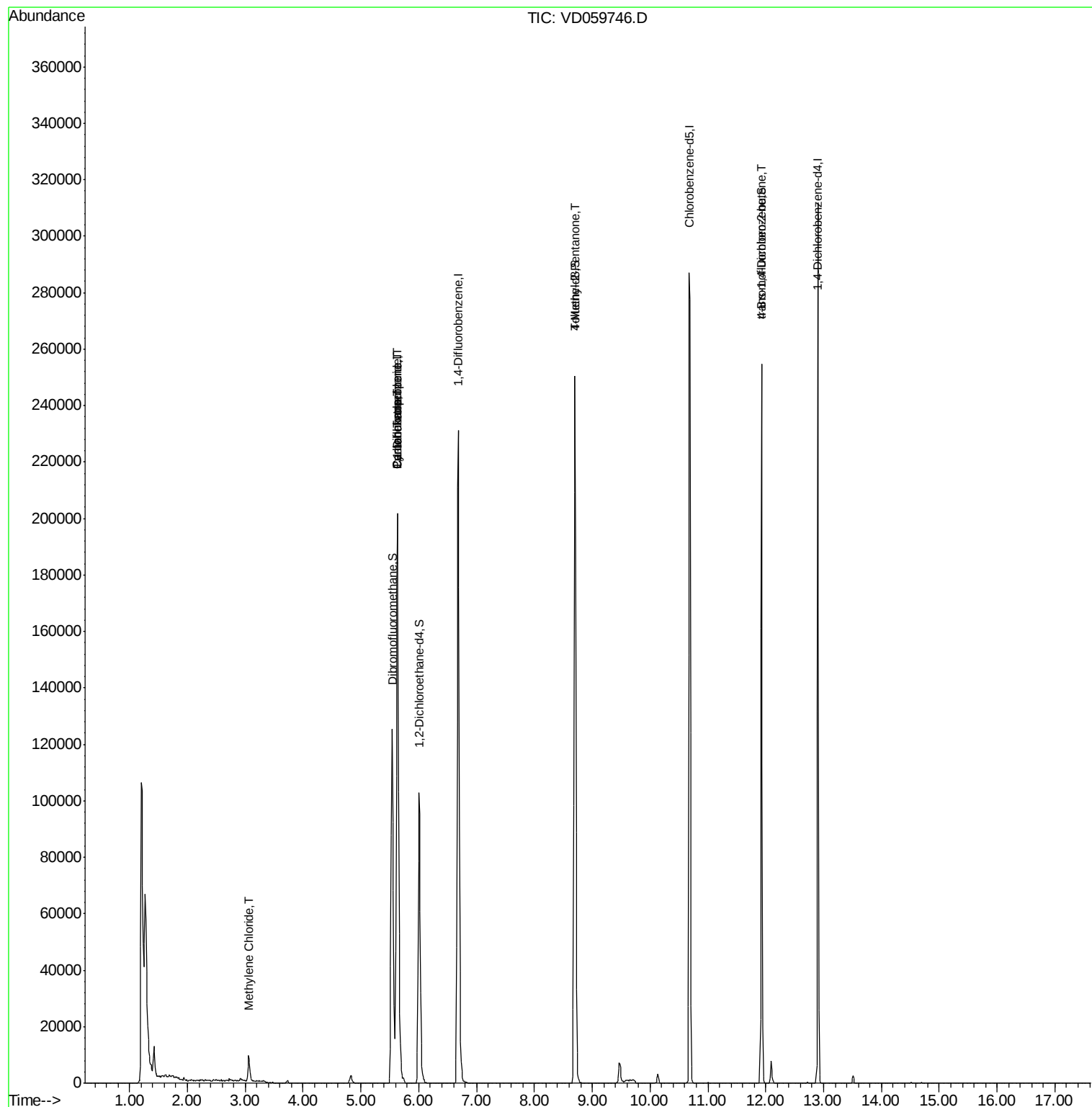
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	120777	44.23	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	88.46%	
35) Dibromofluoromethane	5.53	113	105360	47.42	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.84%	
50) Toluene-d8	8.70	98	185201	42.02	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	84.04%	
62) 4-Bromofluorobenzene	11.93	95	64249	29.07	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	58.14%	

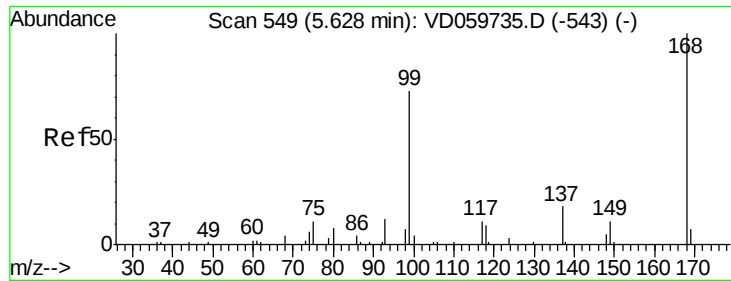
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	3.05	84	4554	3.537	ug/l	91
31) Cyclohexane	5.63	56	4655	2.646	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	17081	6.820	ug/l #	52
38) Carbon Tetrachloride	5.63	117	19149	4.859	ug/l #	14
51) 4-Methyl-2-Pentanone	8.70	43	1135	1.061	ug/l #	1
81) trans-1,4-Dichloro-2-buten	11.93	75	36244	184.160	ug/l #	1

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

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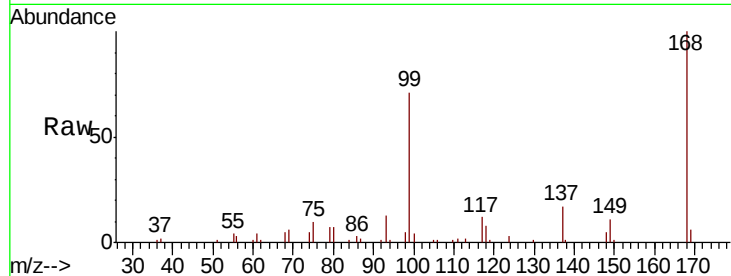
Quant Time: Aug 14 03:52:22 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081018S.M
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Response via : Initial Calibration



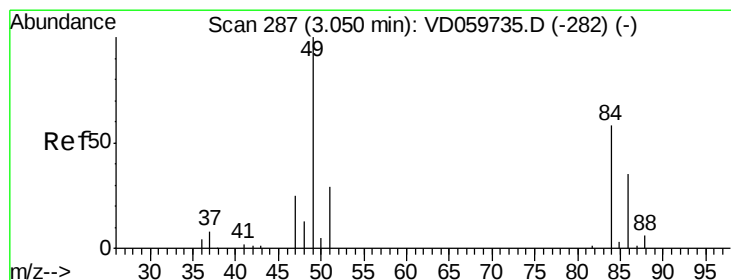
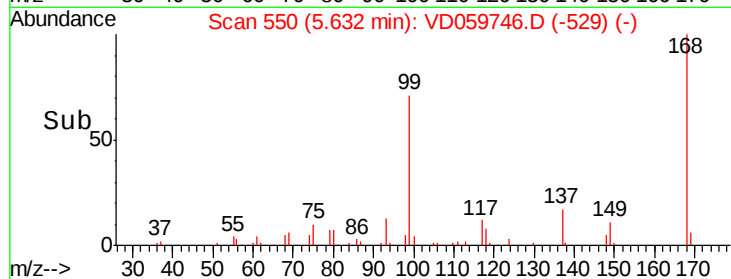
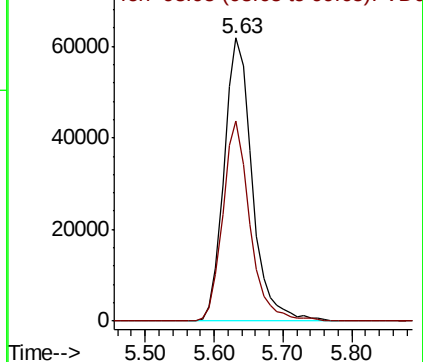


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.63 min Scan# 550
Delta R.T. 0.00 min
Lab File: VD059746.D
Acq: 13 Aug 2018 21:10

Tgt Ion: 168 Resp: 174435
Ion Ratio Lower Upper
168 100
99 70.7 61.4 92.2

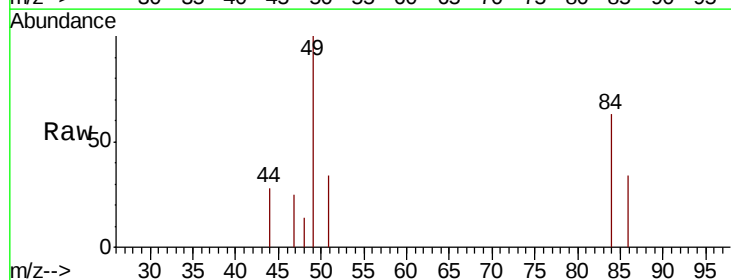


Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.95 (98.65 to 99.65): VDC

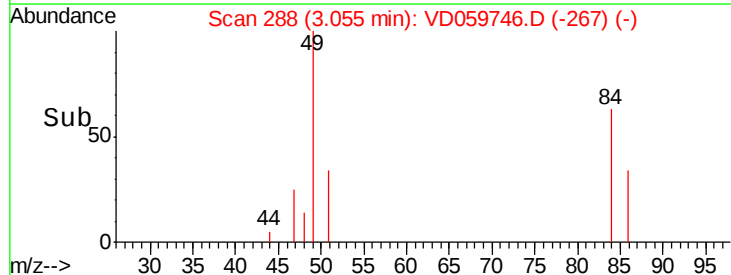
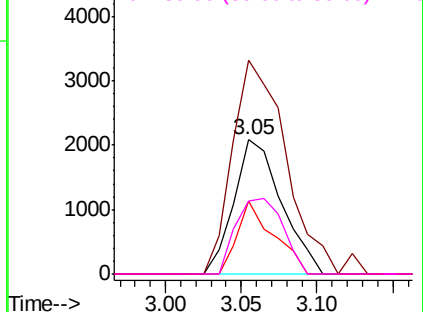


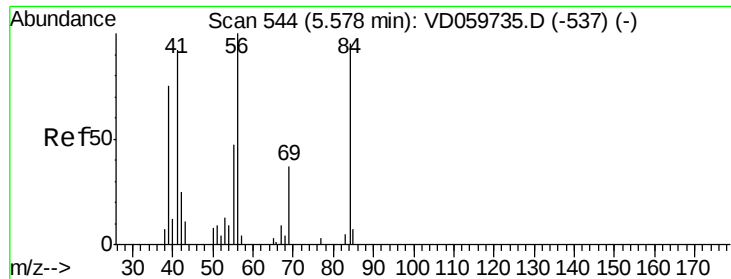
#20
Methylene Chloride
Concen: 3.537 ug/l
RT: 3.05 min Scan# 288
Delta R.T. 0.00 min
Lab File: VD059746.D
Acq: 13 Aug 2018 21:10

Tgt Ion: 84 Resp: 4554
Ion Ratio Lower Upper
84 100
49 159.1 138.9 208.3
51 54.5 40.2 60.2
86 54.8 49.1 73.7



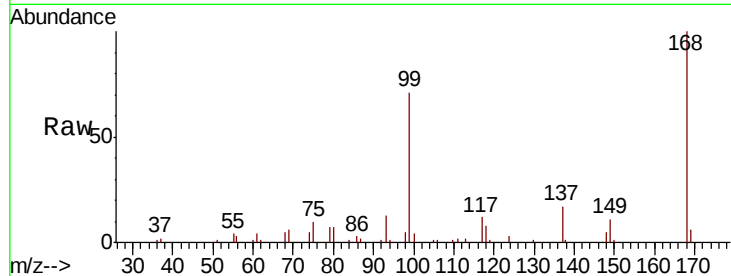
Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC



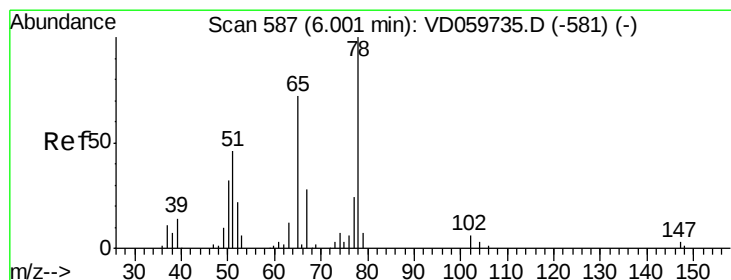
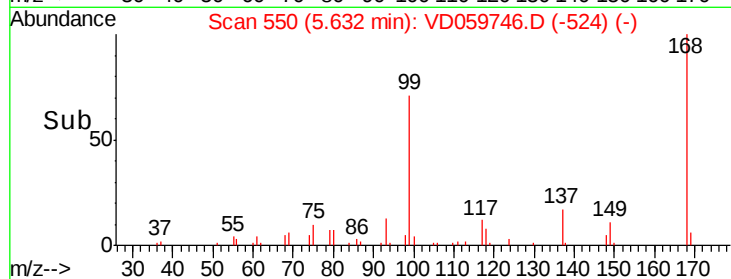
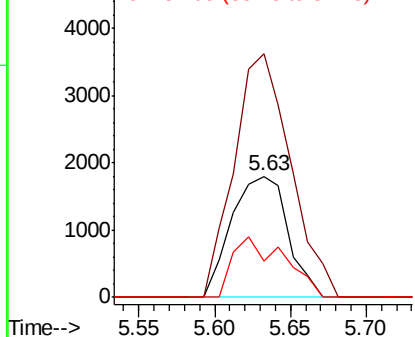


#31
Cyclohexane
Concen: 2.646 ug/l
RT: 5.63 min Scan# 550
Delta R.T. 0.05 min
Lab File: VD059746.D
Acq: 13 Aug 2018 21:10

Tgt Ion: 56 Resp: 4655
Ion Ratio Lower Upper
56 100
69 201.4 29.3 43.9#
84 30.1 76.2 114.2#

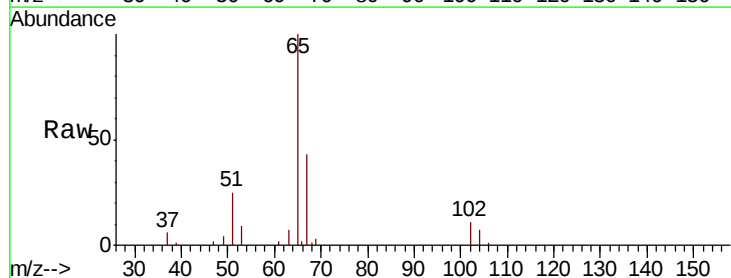


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

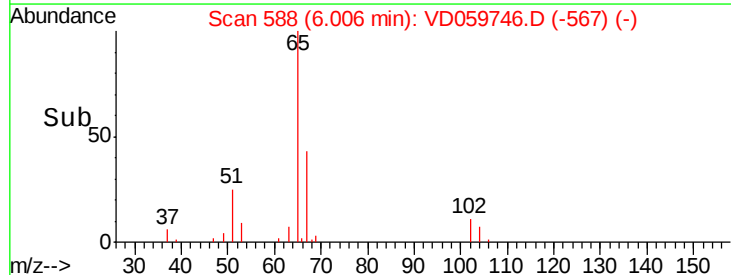
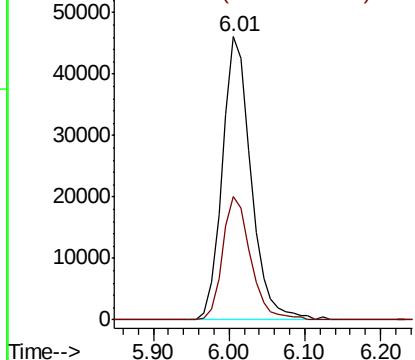


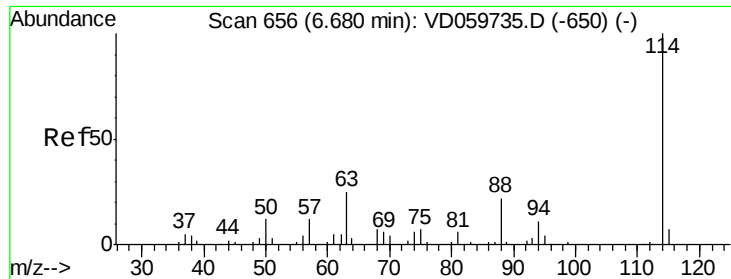
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.01 min Scan# 588
Delta R.T. 0.00 min
Lab File: VD059746.D
Acq: 13 Aug 2018 21:10

Tgt Ion: 65 Resp: 120777
Ion Ratio Lower Upper
65 100
67 43.4 0.0 77.4



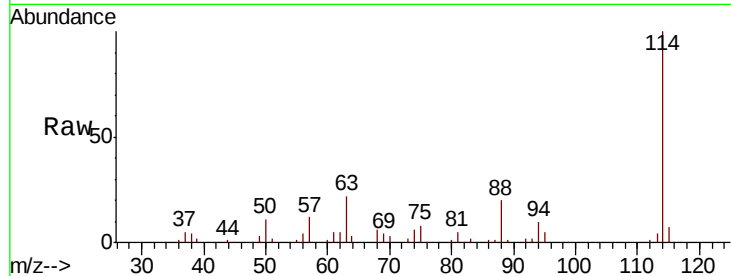
Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC



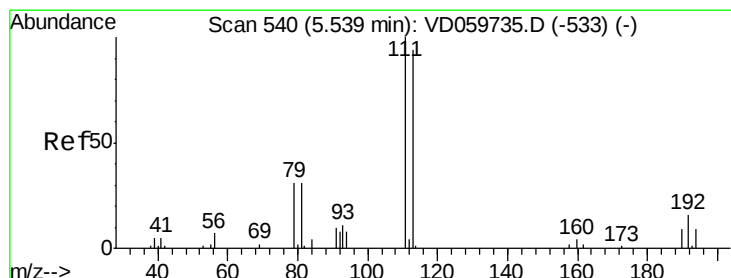
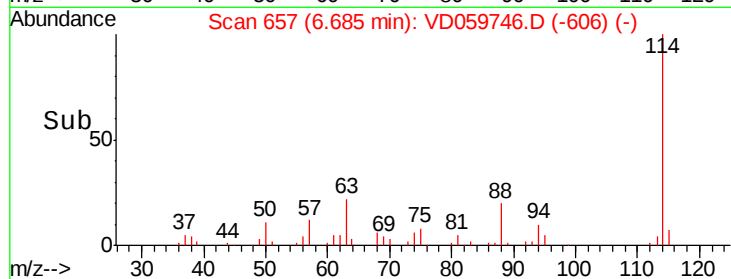
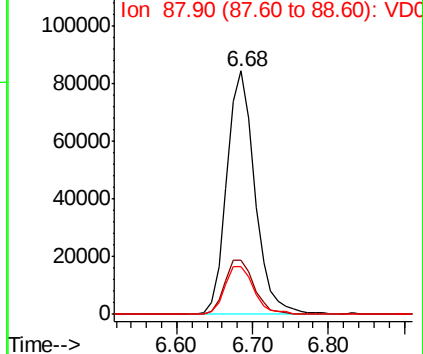


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.68 min Scan# 657
 Delta R.T. 0.00 min
 Lab File: VD059746.D
 Acq: 13 Aug 2018 21:10

Tgt Ion:114 Resp: 215780
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 50.6
 88 19.9 0.0 43.4

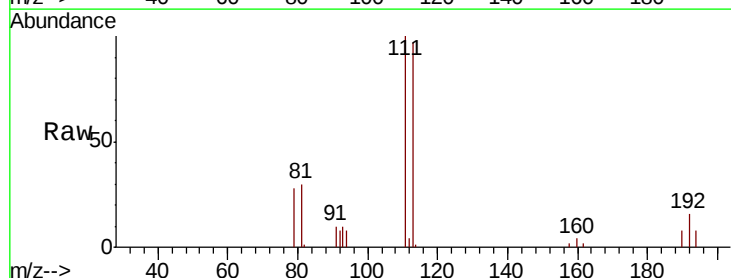


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

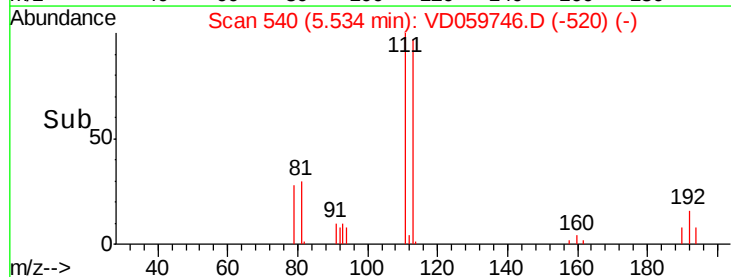
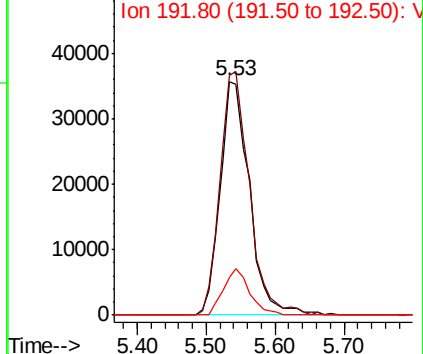


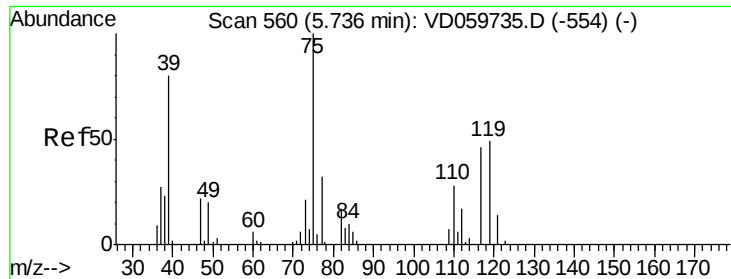
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.53 min Scan# 540
 Delta R.T. -0.01 min
 Lab File: VD059746.D
 Acq: 13 Aug 2018 21:10

Tgt Ion:113 Resp: 105360
 Ion Ratio Lower Upper
 113 100
 111 102.7 85.3 127.9
 192 16.1 13.9 20.9



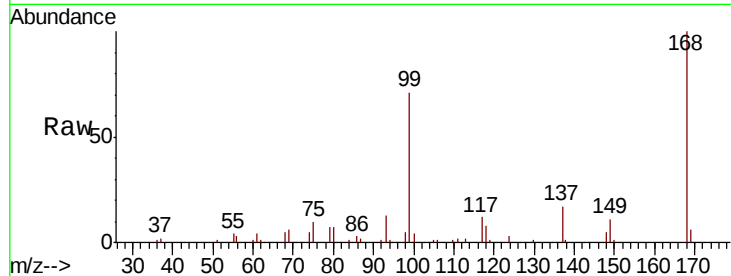
Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V



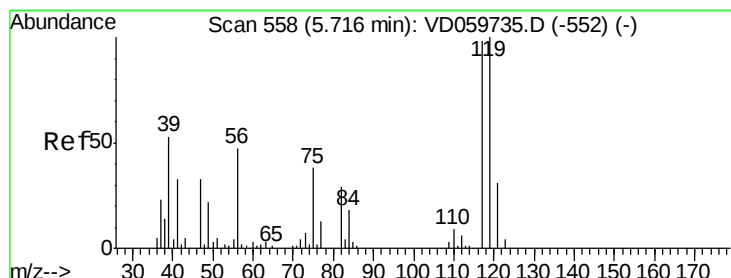
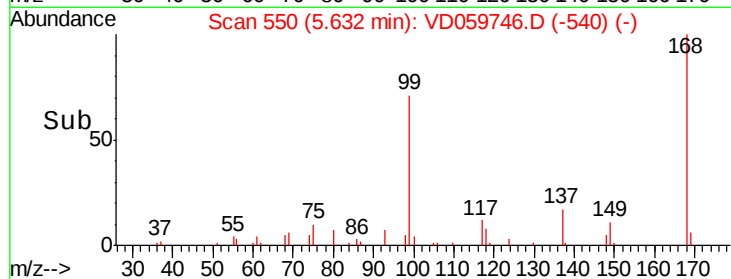
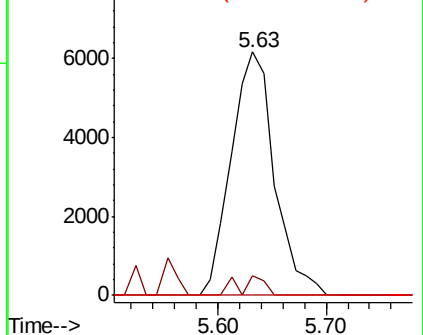


#36
 1,1-Dichloropropene
 Concen: 6.820 ug/l
 RT: 5.63 min Scan# 550
 Delta R.T. -0.10 min
 Lab File: VD059746.D
 Acq: 13 Aug 2018 21:10

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.8	13.7	41.0#
77	0.0	25.4	38.2#

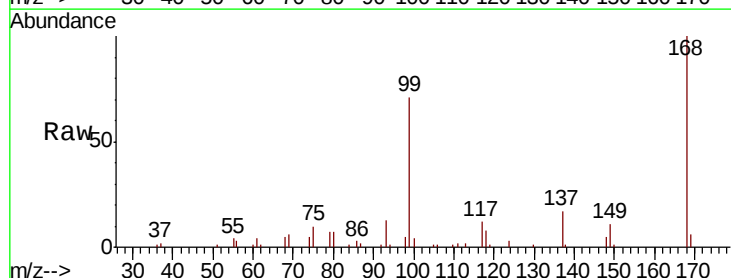


Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): V

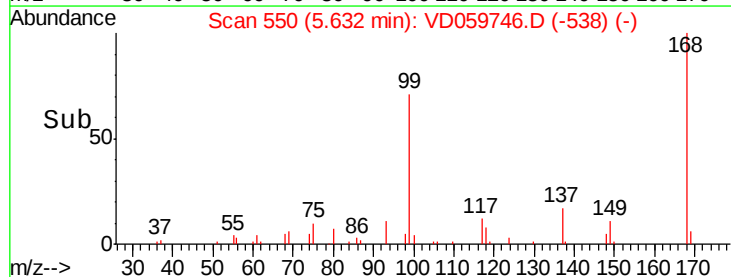
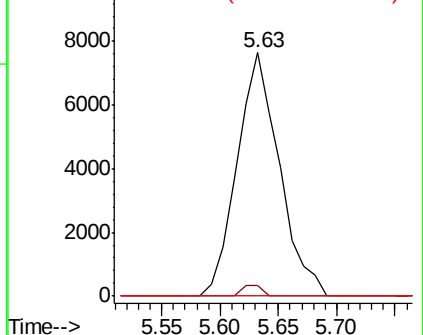


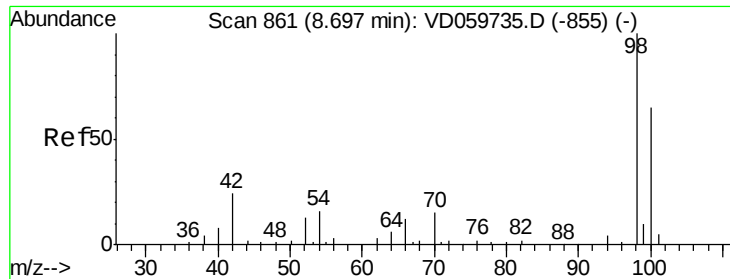
#38
 Carbon Tetrachloride
 Concen: 4.859 ug/l
 RT: 5.63 min Scan# 550
 Delta R.T. -0.08 min
 Lab File: VD059746.D
 Acq: 13 Aug 2018 21:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.1	78.2	117.2#
121	0.0	23.9	35.9#



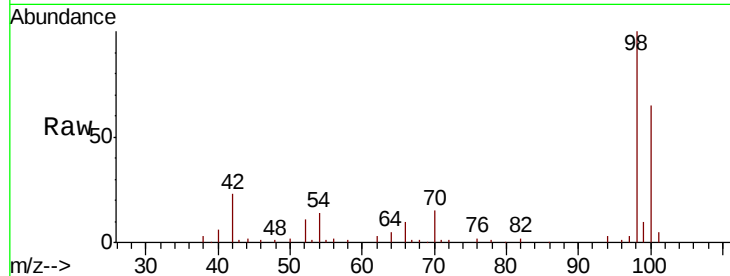
Abundance Ion 116.85 (116.55 to 117.55): V
 Ion 118.85 (118.55 to 119.55): V
 Ion 120.85 (120.55 to 121.55): V



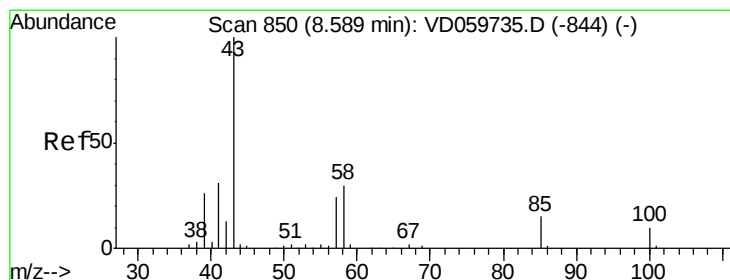
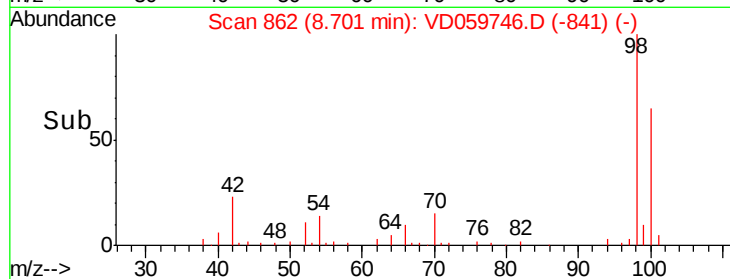
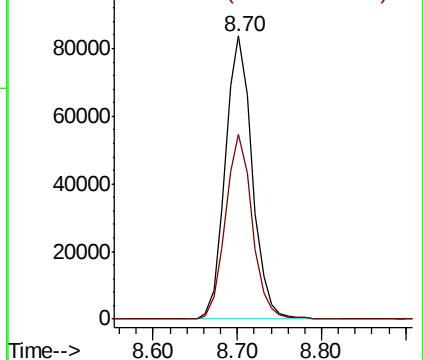


#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.70 min Scan# 862
Delta R.T. 0.00 min
Lab File: VD059746.D
Acq: 13 Aug 2018 21:10

Tgt Ion: 98 Resp: 185201
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.2

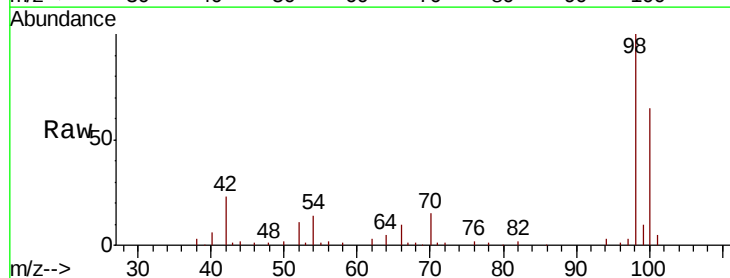


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

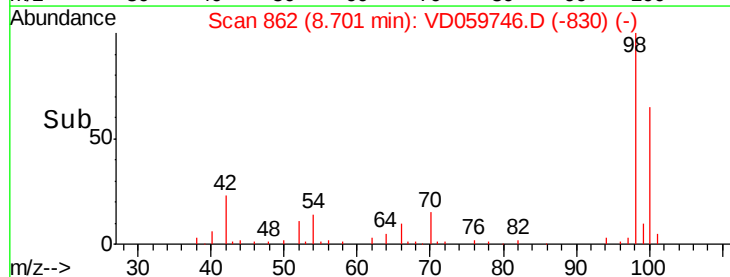
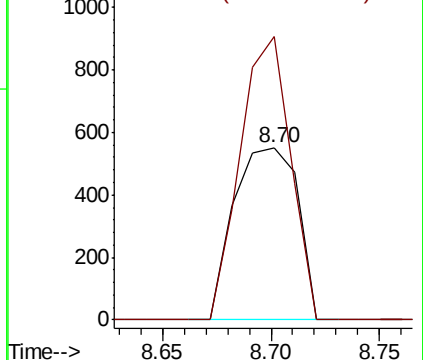


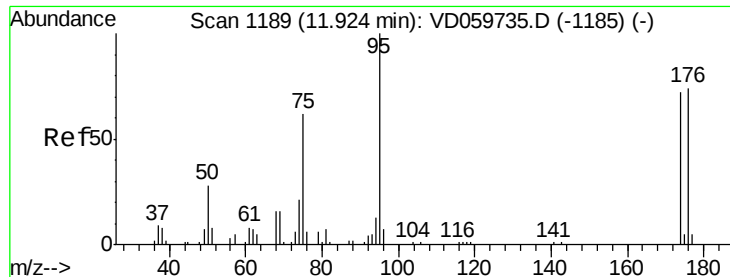
#51
4-Methyl-2-Pentanone
Concen: 1.061 ug/l
RT: 8.70 min Scan# 862
Delta R.T. 0.11 min
Lab File: VD059746.D
Acq: 13 Aug 2018 21:10

Tgt Ion: 43 Resp: 1135
Ion Ratio Lower Upper
43 100
58 164.1 24.3 36.5#



Abundance Ion 42.95 (42.65 to 43.65): VD0
Ion 57.95 (57.65 to 58.65): VD0





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.93 min Scan# 1190

Delta R.T. 0.00 min

Lab File: VD059746.D

Acq: 13 Aug 2018 21:10

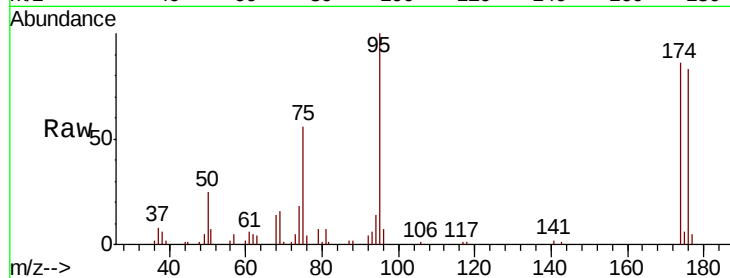
Tgt Ion: 95 Resp: 64249

Ion Ratio Lower Upper

95 100

174 85.6 0.0 143.2

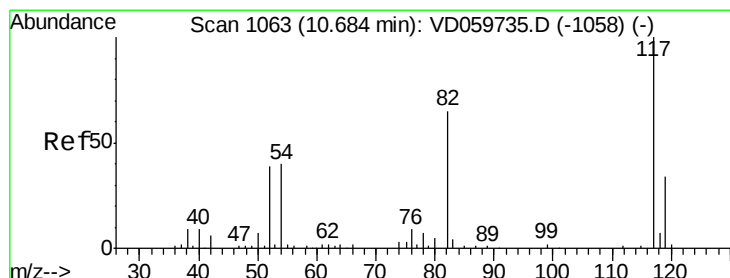
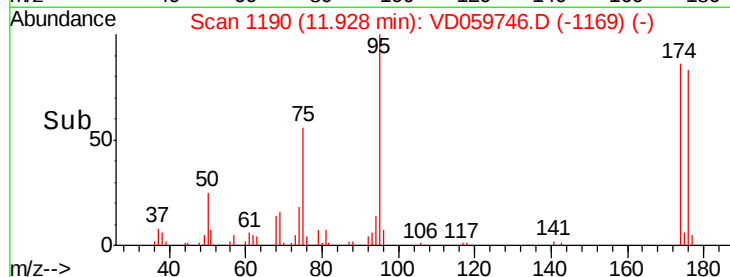
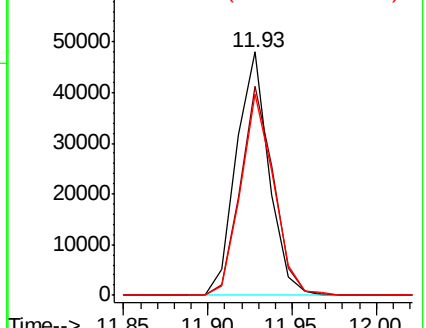
176 82.7 0.0 147.2



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: 10.69 min Scan# 1064

Delta R.T. 0.00 min

Lab File: VD059746.D

Acq: 13 Aug 2018 21:10

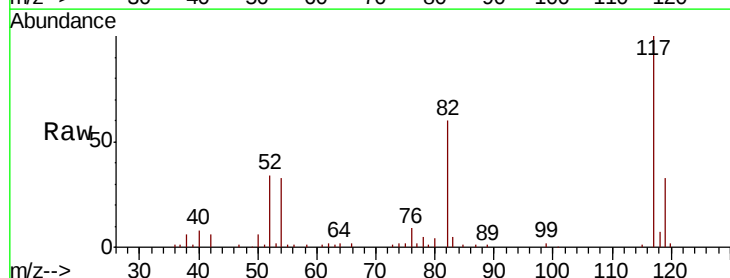
Tgt Ion: 117 Resp: 150253

Ion Ratio Lower Upper

117 100

82 60.4 51.9 77.9

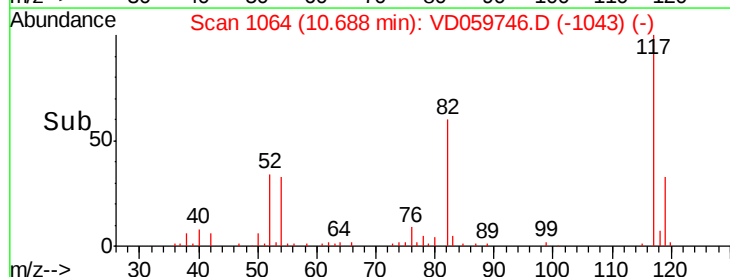
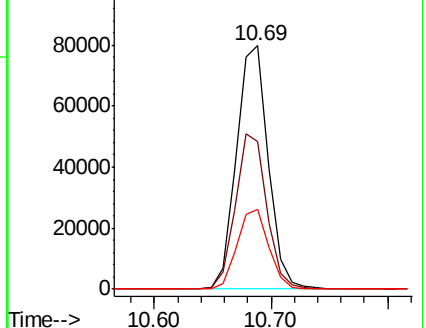
119 32.9 27.4 41.0

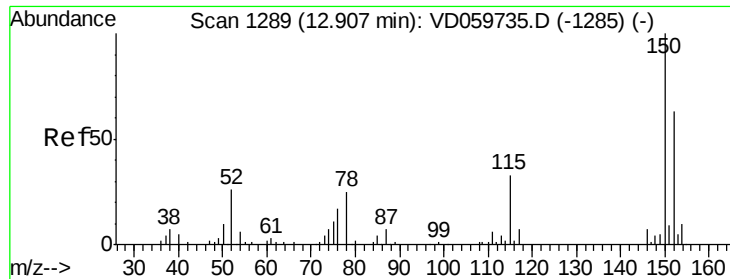


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

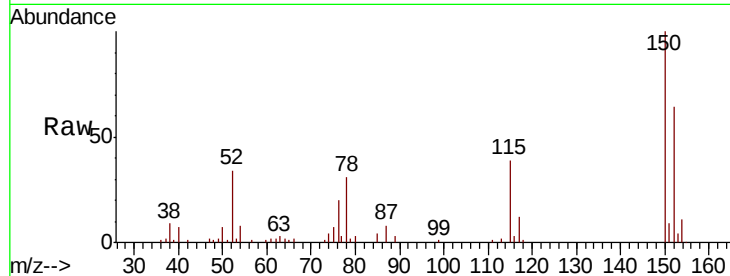




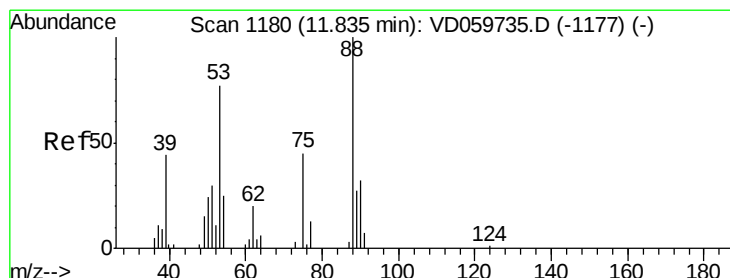
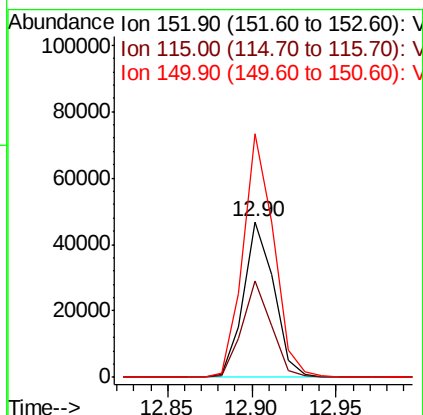
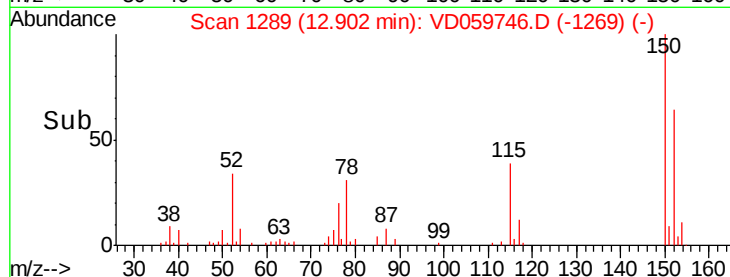
#72

1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.90 min Scan# 1289
 Delta R.T. -0.01 min
 Lab File: VD059746.D
 Acq: 13 Aug 2018 21:10

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.5	29.8	89.3
150	156.2	0.0	320.4



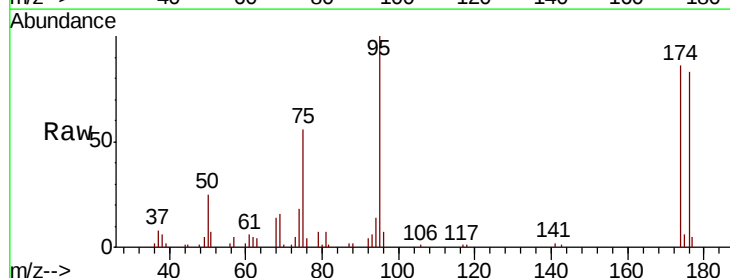
Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 115.00 (114.70 to 115.70): V
 Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
 Concen: 184.160 ug/l
 RT: 11.93 min Scan# 1190
 Delta R.T. 0.09 min
 Lab File: VD059746.D
 Acq: 13 Aug 2018 21:10

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	137.5	206.3#
89	0.0	48.3	72.5#



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

