

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081318\
 Data File : VD059744.D
 Acq On : 13 Aug 2018 20:13
 Operator : VA/AP
 Sample : J4272-17RE
 Misc : 6.22g/5ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 14 03:52:06 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	205565	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.68	114	249147	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.68	117	188439	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	83417	50.00	ug/l	0.00

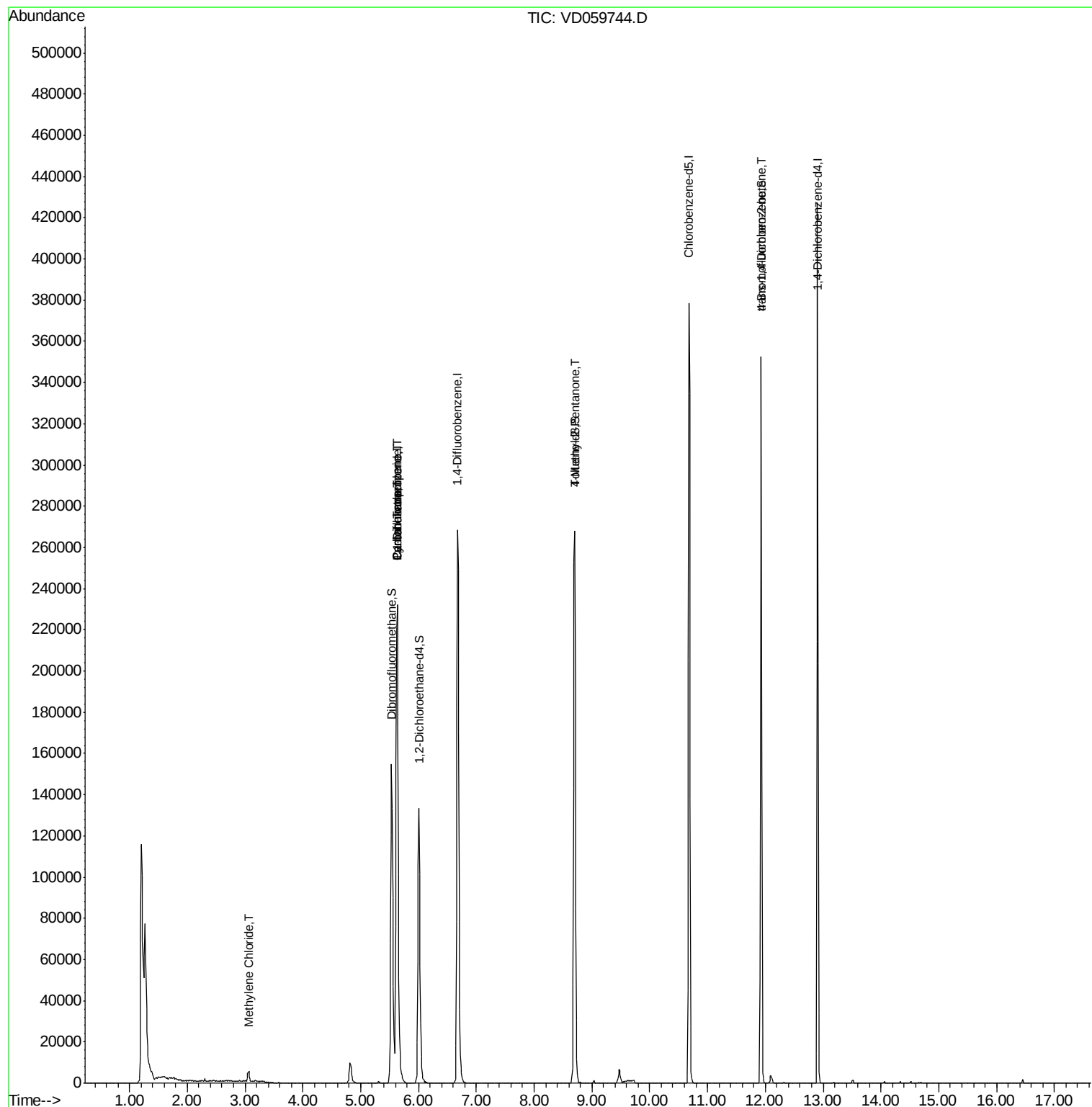
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	143343	44.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.10%	
35) Dibromofluoromethane	5.53	113	121829	47.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.96%	
50) Toluene-d8	8.70	98	211772	41.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	83.24%	
62) 4-Bromofluorobenzene	11.93	95	94156	36.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	73.78%	

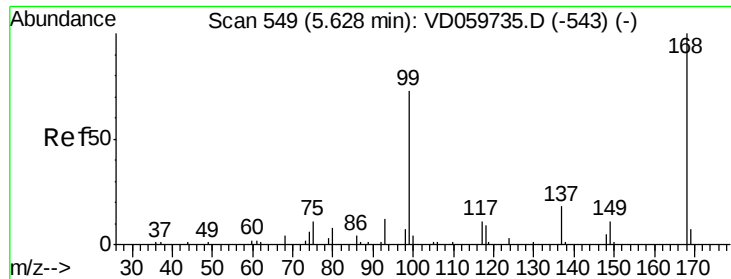
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	3.06	84	2222	1.464	ug/l #	89
31) Cyclohexane	5.62	56	4748	2.290	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	18966	6.558	ug/l #	52
38) Carbon Tetrachloride	5.63	117	21142	4.647	ug/l #	11
51) 4-Methyl-2-Pentanone	8.70	43	1407	1.139	ug/l #	2
81) trans-1,4-Dichloro-2-buten	11.93	75	51769	186.263	ug/l #	1

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

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Misc : 6.22g/5ml/MSVOA_D/SOIL
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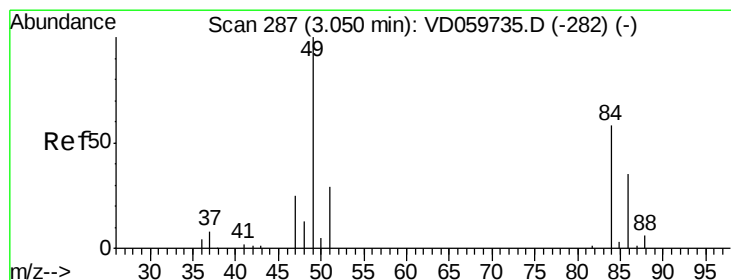
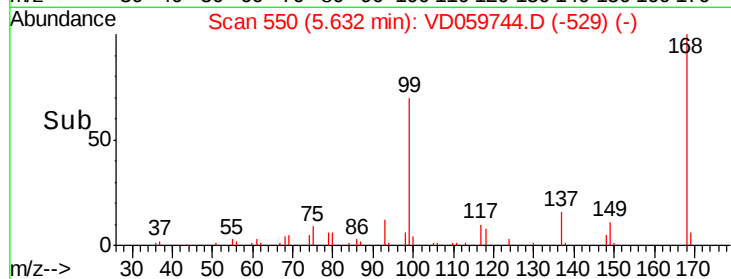
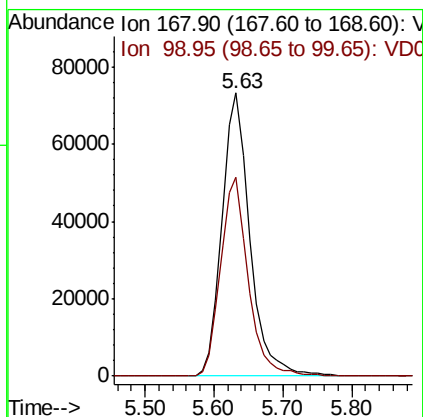
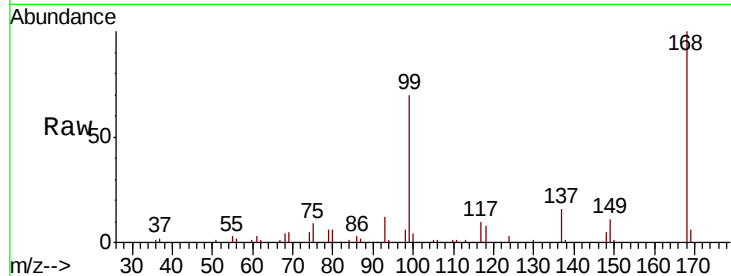
Quant Time: Aug 14 03:52:06 2018
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QLast Update : Sat Aug 11 05:42:24 2018
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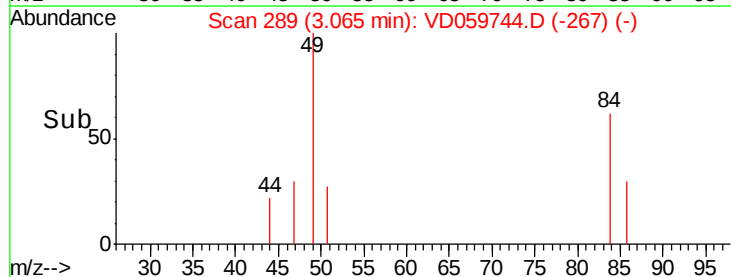
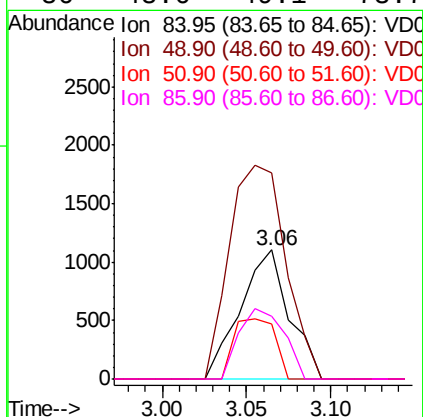
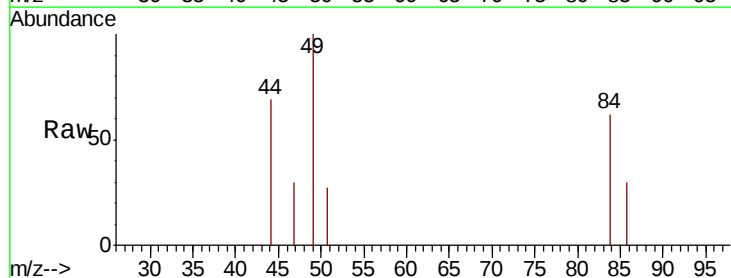
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.63 min Scan# 550
Delta R.T. 0.00 min
Lab File: VD059744.D
Acq: 13 Aug 2018 20:13

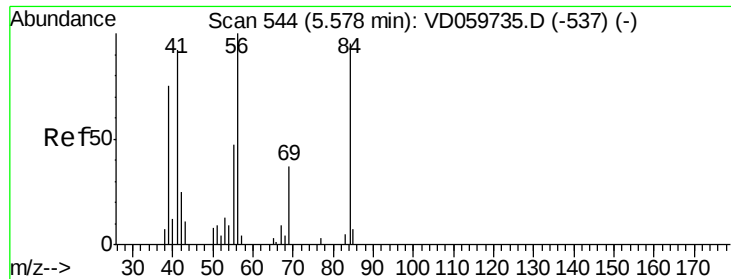
Tgt Ion: 168 Resp: 205565
Ion Ratio Lower Upper
168 100
99 70.4 61.4 92.2



#20
Methylene Chloride
Concen: 1.464 ug/l
RT: 3.06 min Scan# 289
Delta R.T. 0.01 min
Lab File: VD059744.D
Acq: 13 Aug 2018 20:13

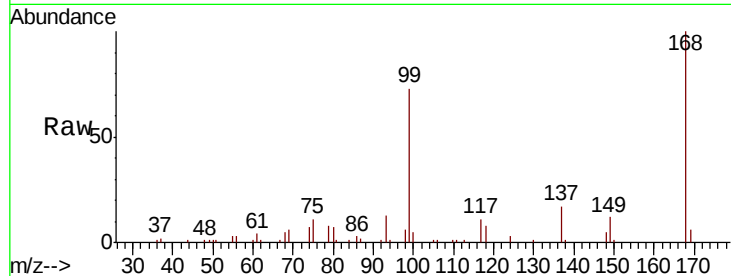
Tgt Ion: 84 Resp: 2222
Ion Ratio Lower Upper
84 100
49 160.1 138.9 208.3
51 42.5 40.2 60.2
86 48.6 49.1 73.7#



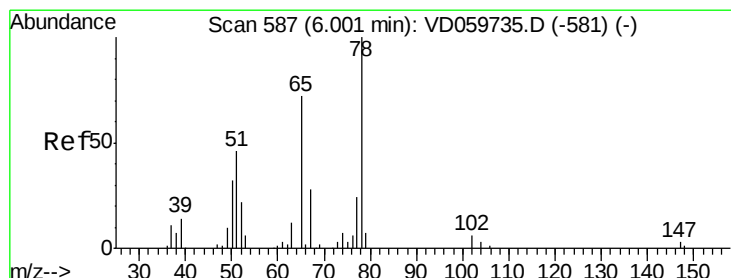
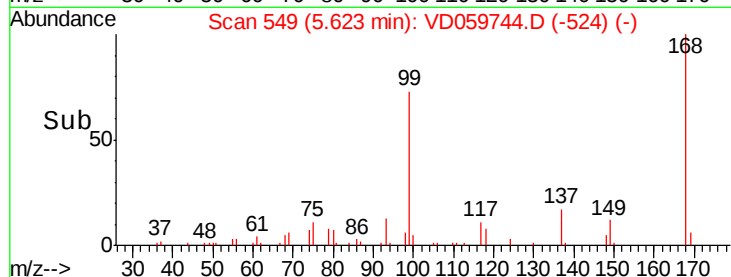
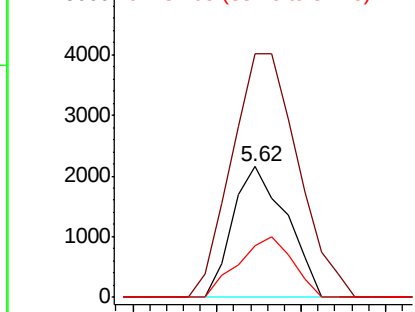


#31
Cyclohexane
Concen: 2.290 ug/l
RT: 5.62 min Scan# 549
Delta R.T. 0.04 min
Lab File: VD059744.D
Acq: 13 Aug 2018 20:13

Tgt Ion: 56 Resp: 4748
Ion Ratio Lower Upper
56 100
69 186.5 29.3 43.9#
84 39.5 76.2 114.2#

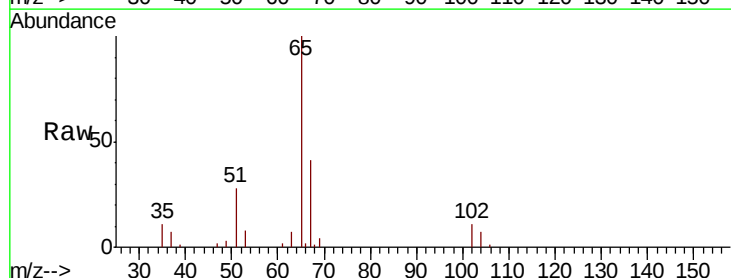


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

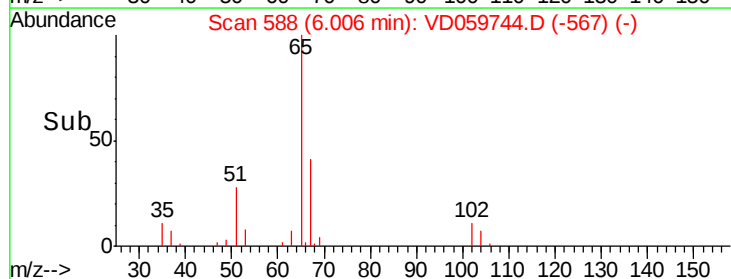
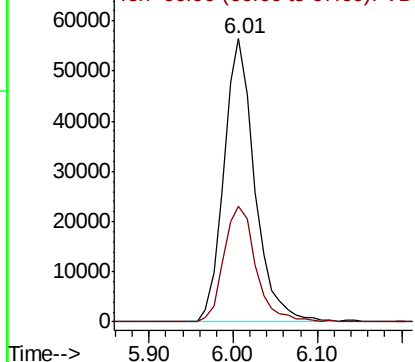


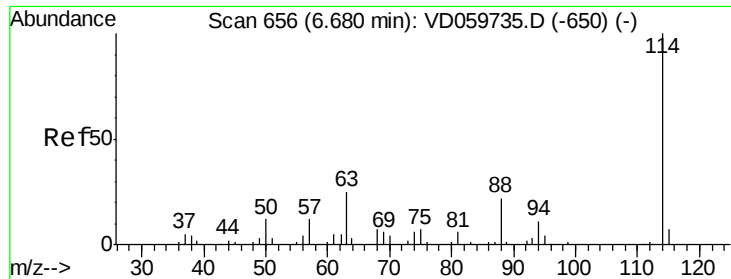
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.01 min Scan# 588
Delta R.T. 0.00 min
Lab File: VD059744.D
Acq: 13 Aug 2018 20:13

Tgt Ion: 65 Resp: 143343
Ion Ratio Lower Upper
65 100
67 41.1 0.0 77.4



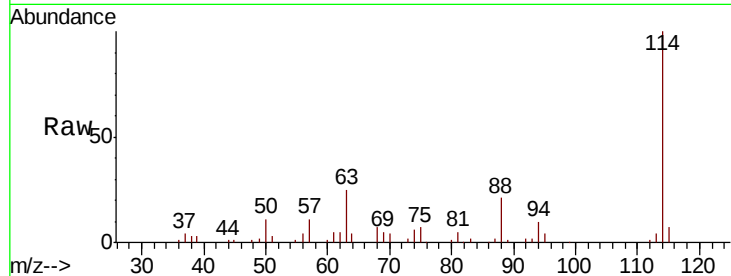
Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC



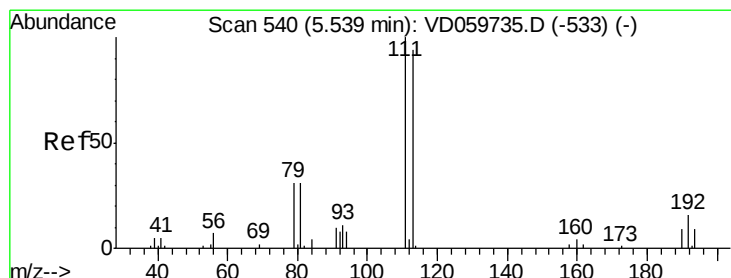
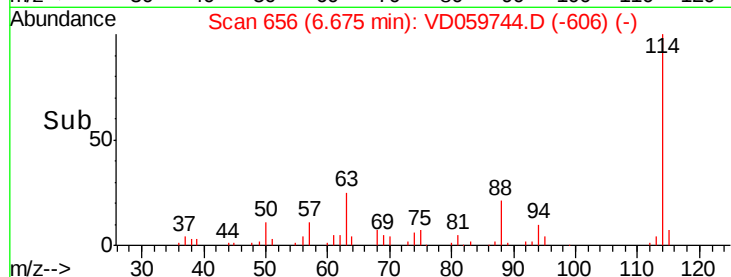
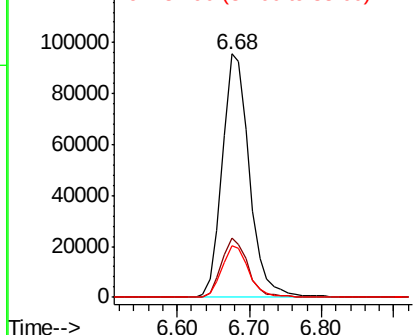


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.68 min Scan# 656
 Delta R.T. -0.00 min
 Lab File: VD059744.D
 Acq: 13 Aug 2018 20:13

Tgt Ion:114 Resp: 249147
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 50.6
 88 21.2 0.0 43.4

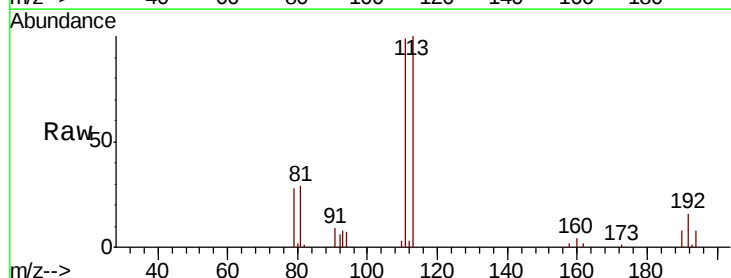


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

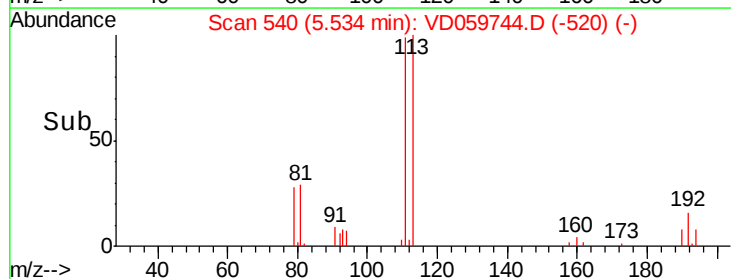
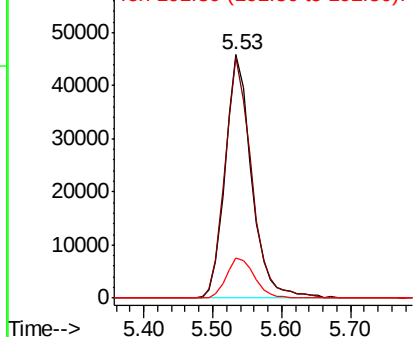


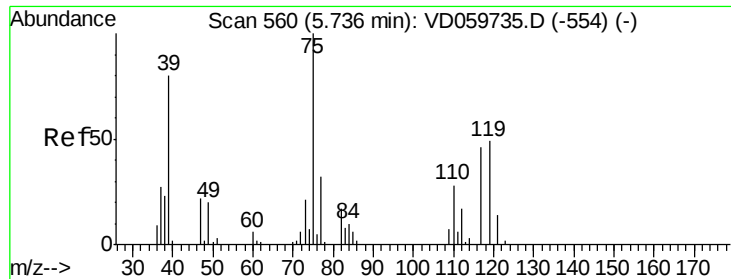
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.53 min Scan# 540
 Delta R.T. -0.00 min
 Lab File: VD059744.D
 Acq: 13 Aug 2018 20:13

Tgt Ion:113 Resp: 121829
 Ion Ratio Lower Upper
 113 100
 111 98.7 85.3 127.9
 192 16.5 13.9 20.9



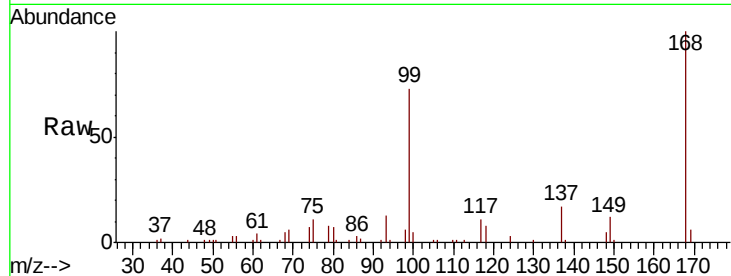
Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V



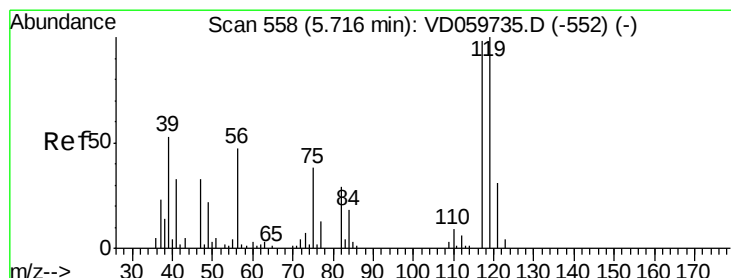
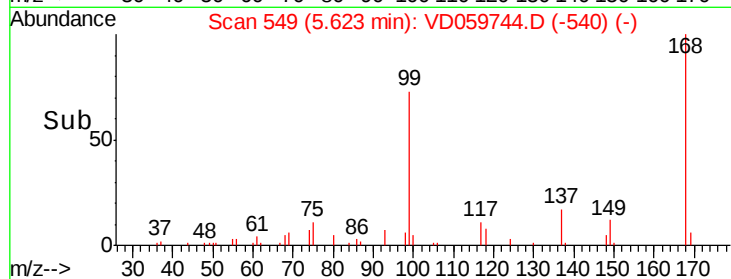
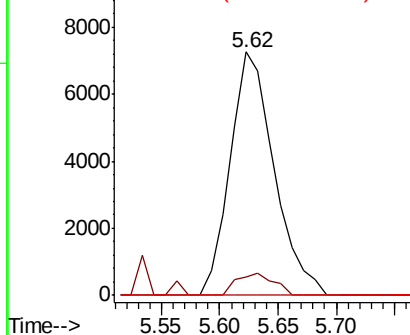


#36
 1,1-Dichloropropene
 Concen: 6.558 ug/l
 RT: 5.62 min Scan# 549
 Delta R.T. -0.11 min
 Lab File: VD059744.D
 Acq: 13 Aug 2018 20:13

Tgt Ion: 75 Resp: 18966
 Ion Ratio Lower Upper
 75 100
 110 7.5 13.7 41.0#
 77 0.0 25.4 38.2#

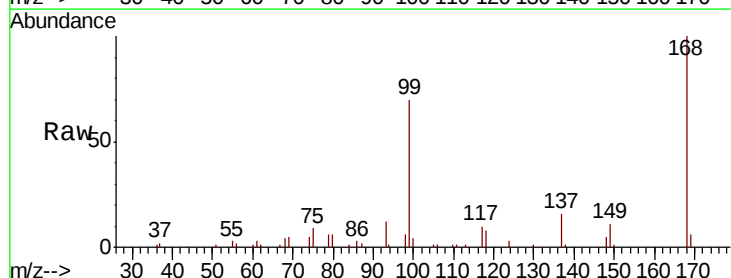


Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): V

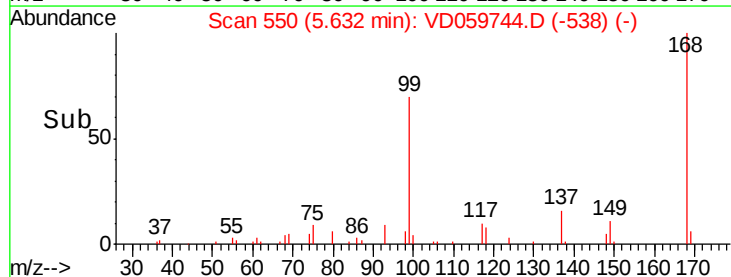
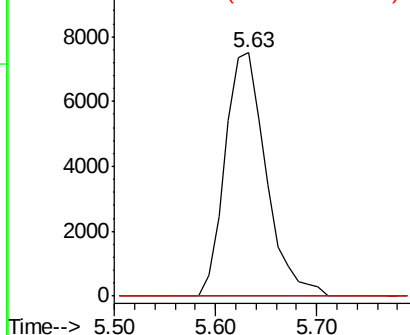


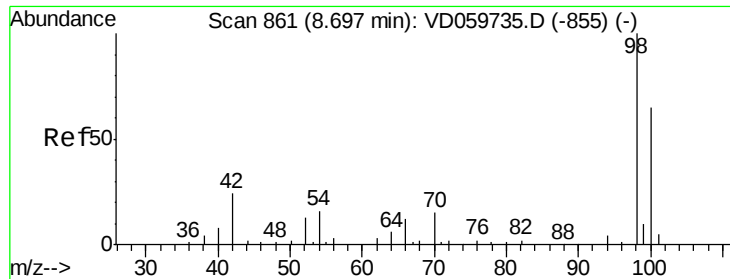
#38
 Carbon Tetrachloride
 Concen: 4.647 ug/l
 RT: 5.63 min Scan# 550
 Delta R.T. -0.08 min
 Lab File: VD059744.D
 Acq: 13 Aug 2018 20:13

Tgt Ion: 117 Resp: 21142
 Ion Ratio Lower Upper
 117 100
 119 0.0 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: VD059744.D

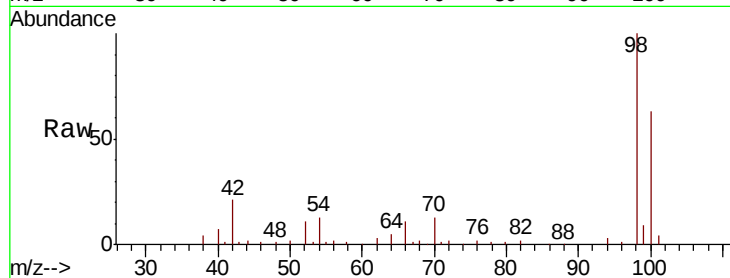
Acq: 13 Aug 2018 20:13

Tgt Ion: 98 Resp: 211772

Ion Ratio Lower Upper

98 100

100 62.7 52.2 78.2



Abundance Ion 98.05 (97.75 to 98.75): VD059735.D (-855) (-)

Ion 100.05 (99.75 to 100.75): VD059735.D (-855) (-)

8.70

100000

80000

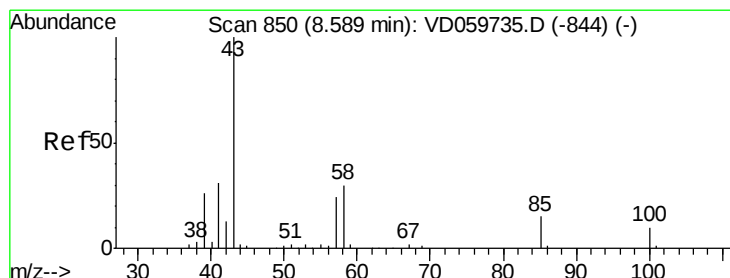
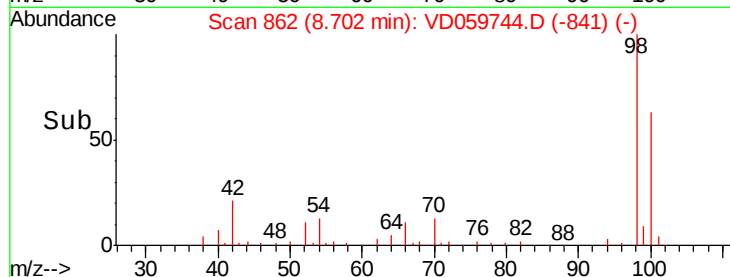
60000

40000

20000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.139 ug/l

RT: 8.70 min Scan# 862

Delta R.T. 0.11 min

Lab File: VD059744.D

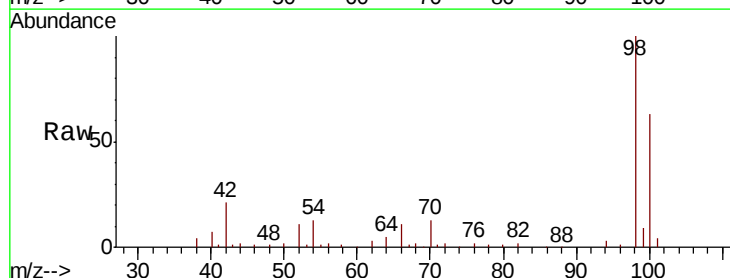
Acq: 13 Aug 2018 20:13

Tgt Ion: 43 Resp: 1407

Ion Ratio Lower Upper

43 100

58 83.8 24.3 36.5#



Abundance Ion 42.95 (42.65 to 43.65): VD059735.D (-844) (-)

Ion 57.95 (57.65 to 58.65): VD059735.D (-844) (-)

8.70

1000

800

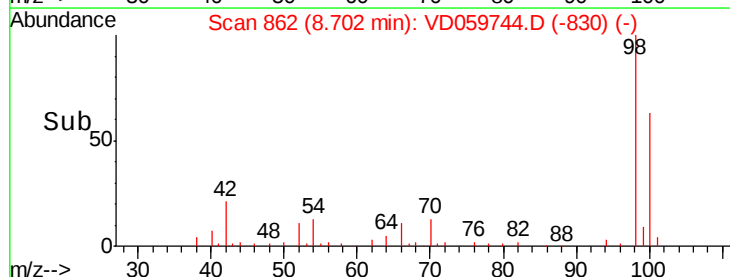
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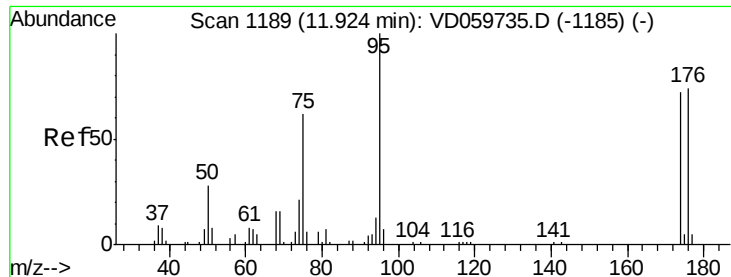
400

200

0

Time-->





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.93 min Scan# 1190

Delta R.T. 0.00 min

Lab File: VD059744.D

Acq: 13 Aug 2018 20:13

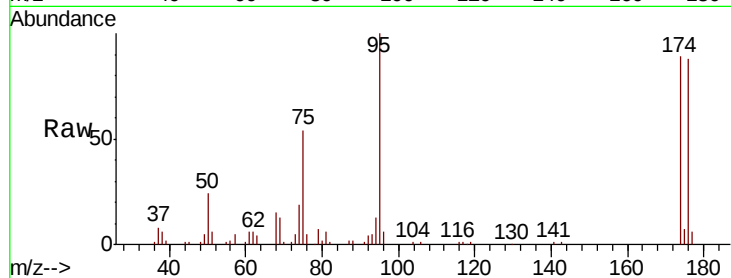
Tgt Ion: 95 Resp: 94156

Ion Ratio Lower Upper

95 100

174 88.6 0.0 143.2

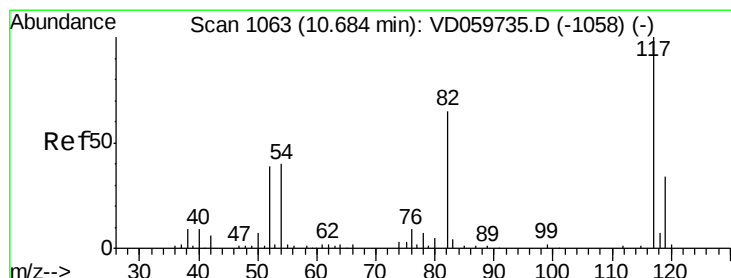
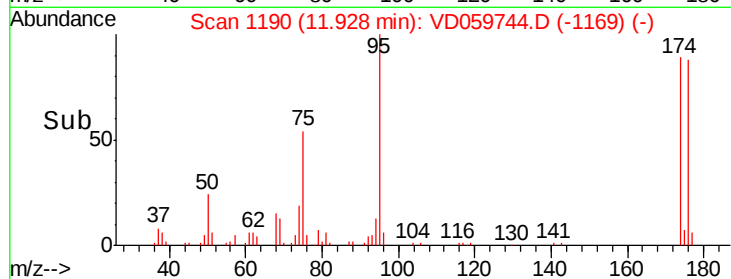
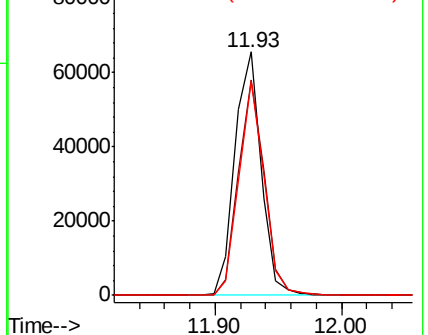
176 88.0 0.0 147.2



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: 10.68 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VD059744.D

Acq: 13 Aug 2018 20:13

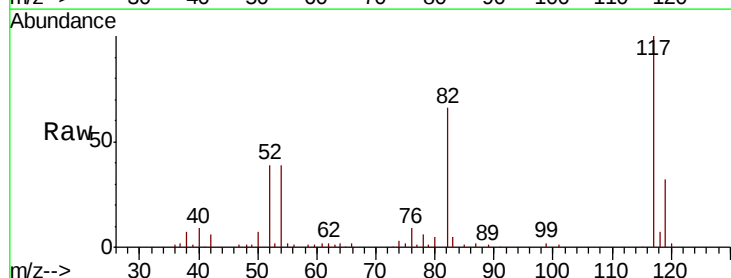
Tgt Ion: 117 Resp: 188439

Ion Ratio Lower Upper

117 100

82 66.4 51.9 77.9

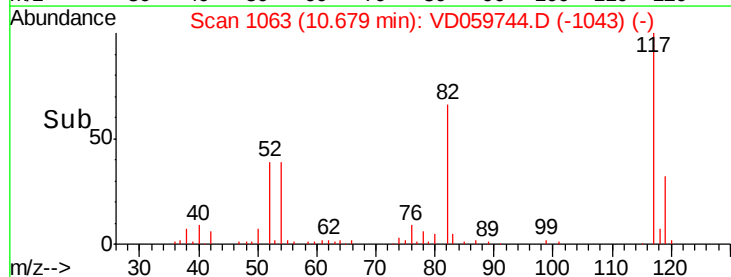
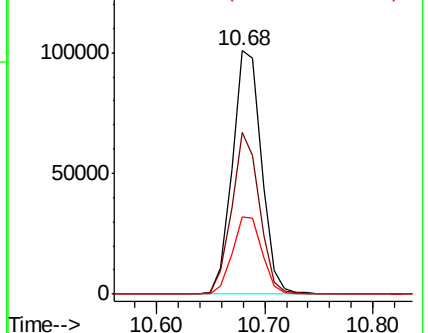
119 32.0 27.4 41.0

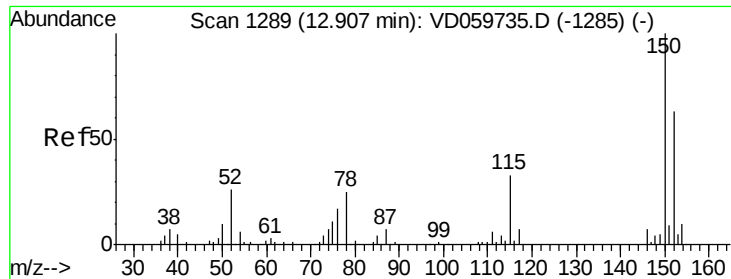


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

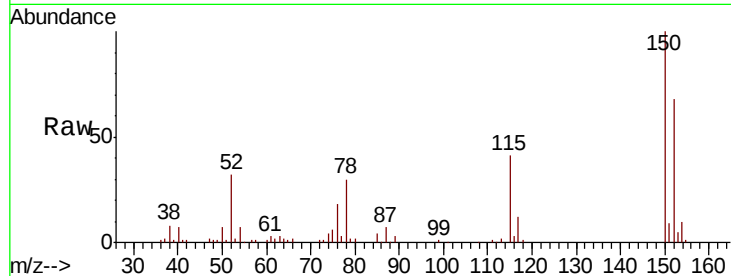




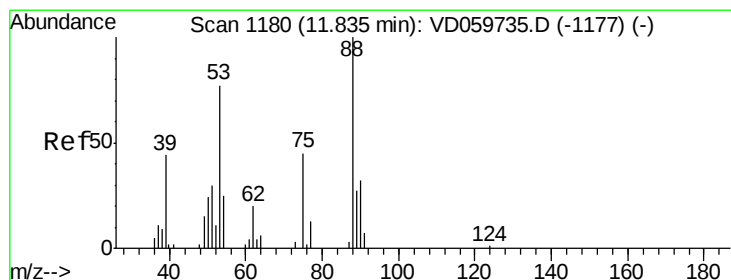
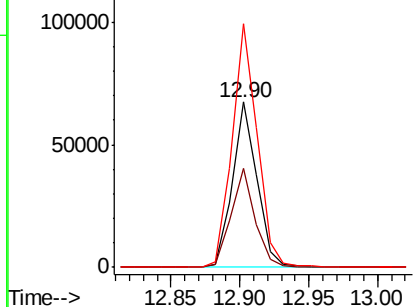
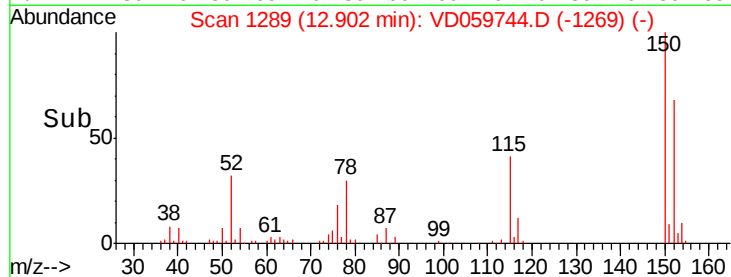
#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VD059744.D
Acq: 13 Aug 2018 20:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.1	29.8	89.3
150	147.3	0.0	320.4



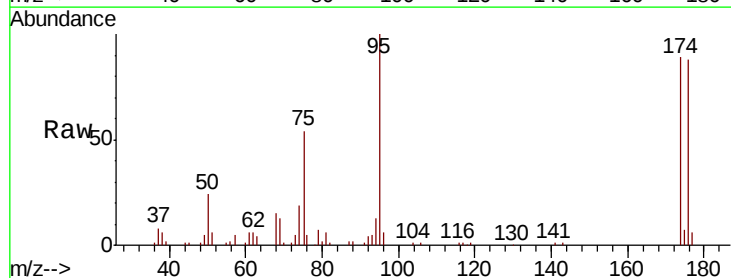
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 186.263 ug/l
RT: 11.93 min Scan# 1190
Delta R.T. 0.09 min
Lab File: VD059744.D
Acq: 13 Aug 2018 20:13

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

