

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081318\
 Data File : VD059760.D
 Acq On : 14 Aug 2018 3:45
 Operator : VA/AP
 Sample : J4449-01
 Misc : 4.08g/5ml/MSVOA_D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

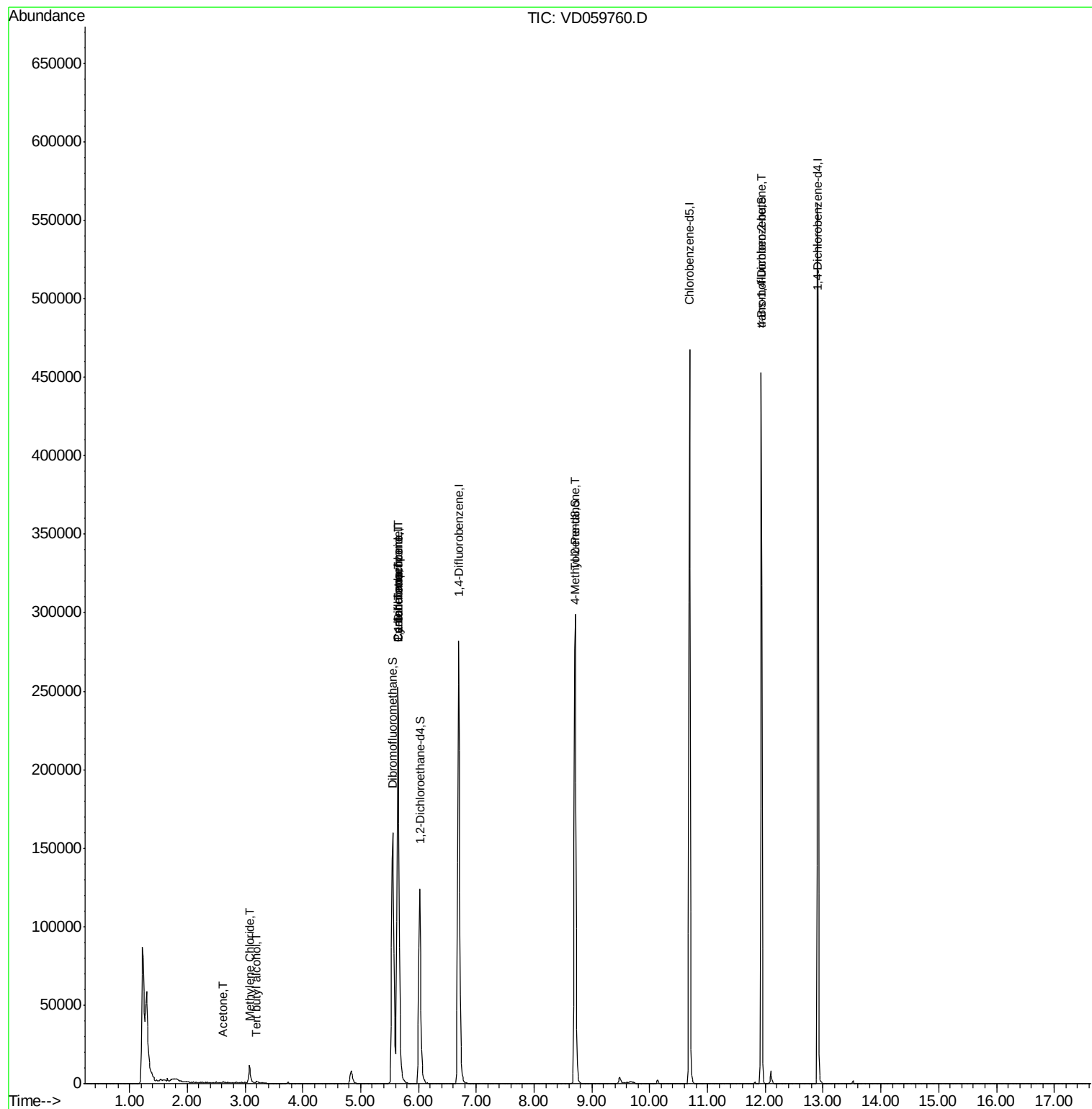
Quant Time: Aug 14 04:52:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081018S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 11 05:42:24 2018
 Response via : Initial Calibration

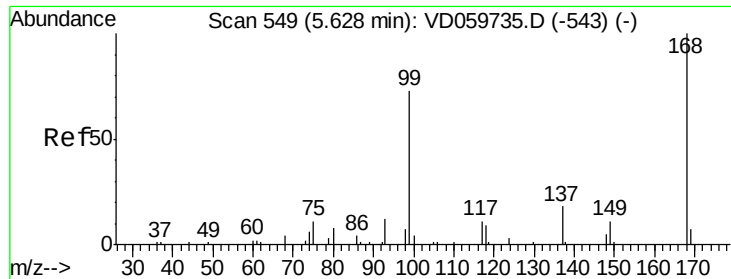
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	214110	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.70	114	252081	50.00	ug/l	0.02
63) Chlorobenzene-d5	10.69	117	213731	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	117324	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	152423	45.48	ug/l	0.02
Spiked Amount 50.000			Recovery	=	90.96%	
35) Dibromofluoromethane	5.55	113	126173	48.61	ug/l	0.02
Spiked Amount 50.000			Recovery	=	97.22%	
50) Toluene-d8	8.71	98	224493	43.60	ug/l	0.02
Spiked Amount 50.000			Recovery	=	87.20%	
62) 4-Bromofluorobenzene	11.93	95	115607	44.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.54%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.19	59	406	3.496	ug/l #	75
16) Acetone	2.61	43	827	1.511	ug/l #	59
20) Methylene Chloride	3.08	84	5018	3.175	ug/l	88
31) Cyclohexane	5.65	56	5634	2.609	ug/l #	4
36) 1,1-Dichloropropene	5.64	75	22429	7.666	ug/l #	52
38) Carbon Tetrachloride	5.64	117	22865	4.967	ug/l #	15
51) 4-Methyl-2-Pentanone	8.69	43	1525	1.220	ug/l #	18
81) trans-1,4-Dichloro-2-buten	11.93	75	67048	171.518	ug/l #	1

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

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ALS Vial : 24 Sample Multiplier: 1

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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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 551

Delta R.T. 0.02 min

Lab File: VD059760.D

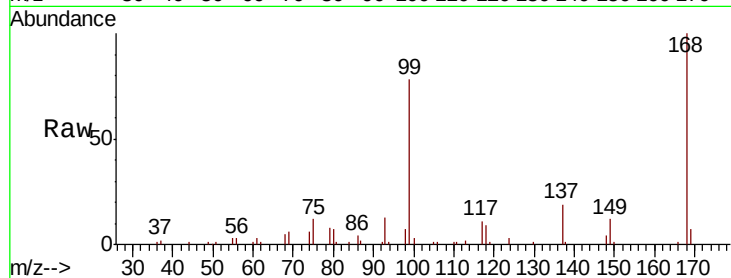
Acq: 14 Aug 2018 3:45

Tgt Ion: 168 Resp: 214110

Ion Ratio Lower Upper

168 100

99 77.8 61.4 92.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.64

80000

60000

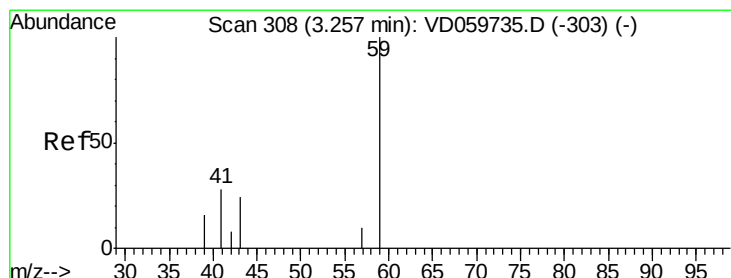
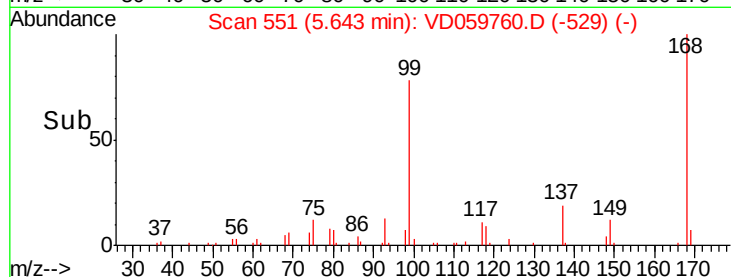
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 3.496 ug/l

RT: 3.19 min Scan# 302

Delta R.T. -0.06 min

Lab File: VD059760.D

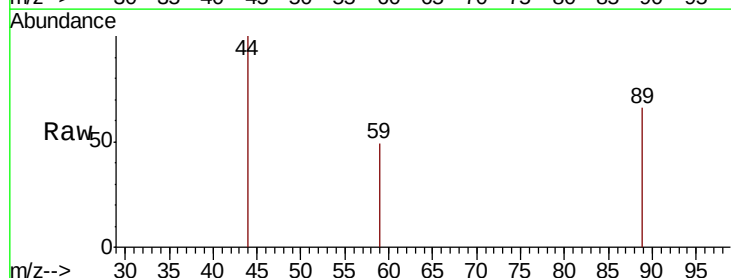
Acq: 14 Aug 2018 3:45

Tgt Ion: 59 Resp: 406

Ion Ratio Lower Upper

59 100

57 0.0 7.3 10.9#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

3.19

400

300

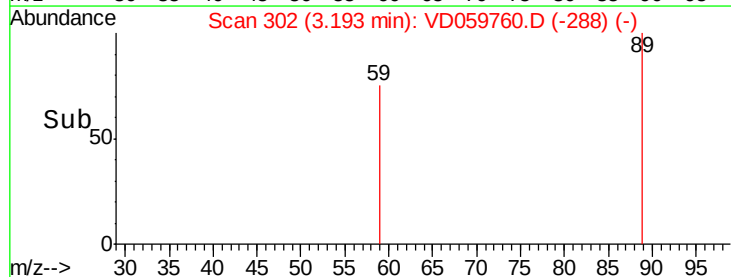
200

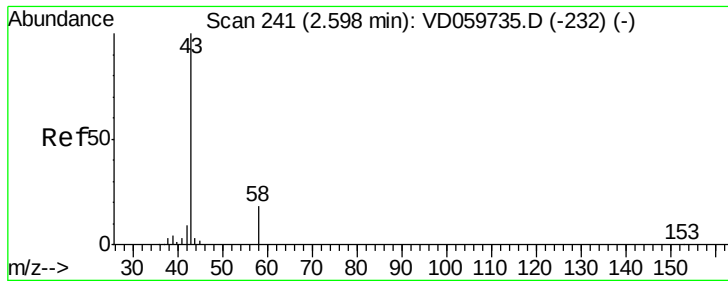
100

0

Time-->

3.16 3.18 3.20 3.22 3.24





#16

Acetone

Concen: 1.511 ug/l

RT: 2.61 min Scan# 243

Delta R.T. 0.02 min

Lab File: VD059760.D

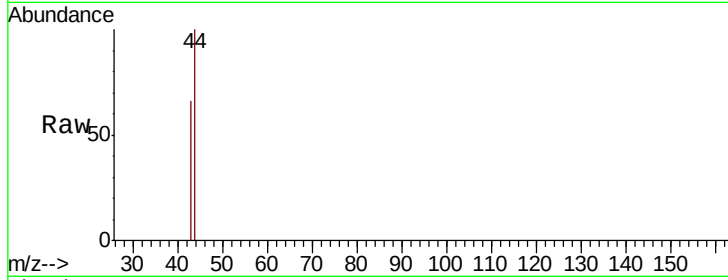
Acq: 14 Aug 2018 3:45

Tgt Ion: 43 Resp: 827

Ion Ratio Lower Upper

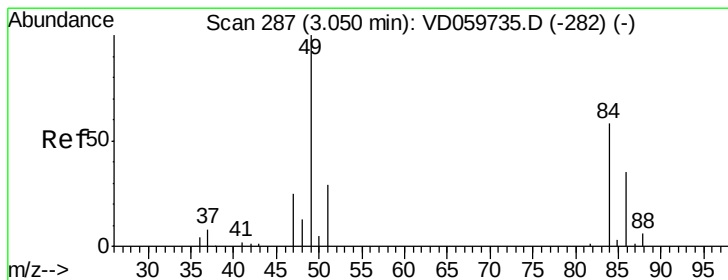
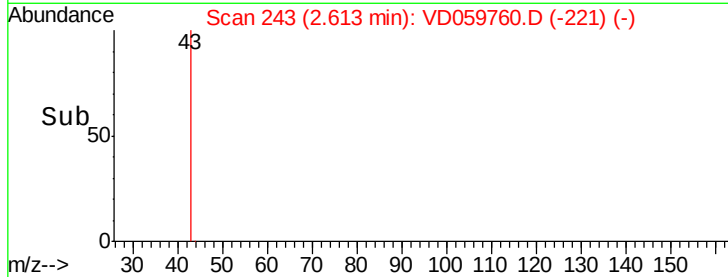
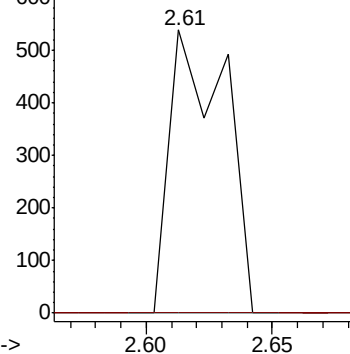
43 100

58 0.0 14.6 21.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 3.175 ug/l

RT: 3.08 min Scan# 290

Delta R.T. 0.02 min

Lab File: VD059760.D

Acq: 14 Aug 2018 3:45

Tgt Ion: 84 Resp: 5018

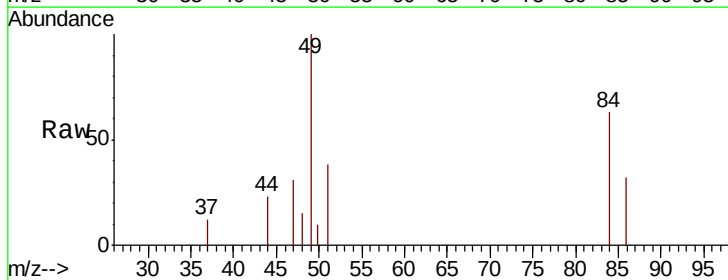
Ion Ratio Lower Upper

84 100

49 157.8 138.9 208.3

51 60.0 40.2 60.2

86 50.6 49.1 73.7

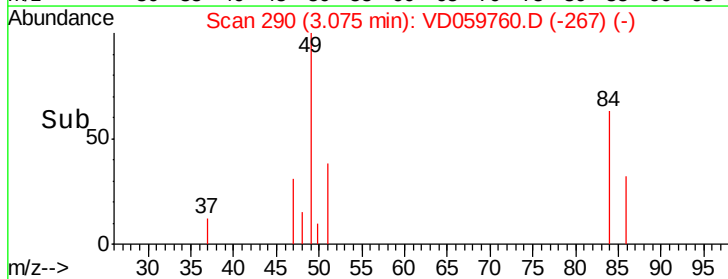
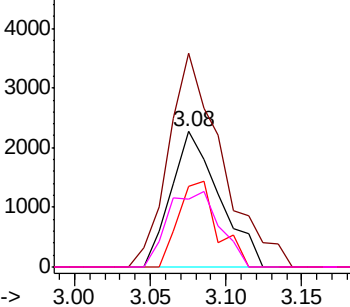


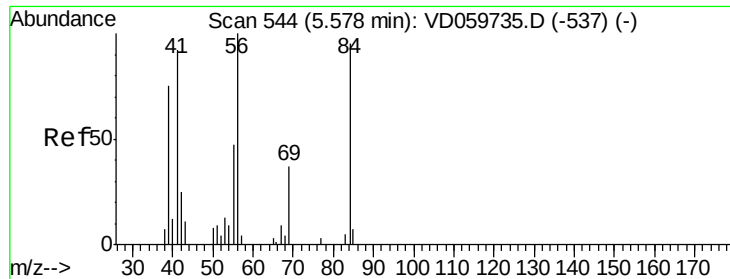
Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

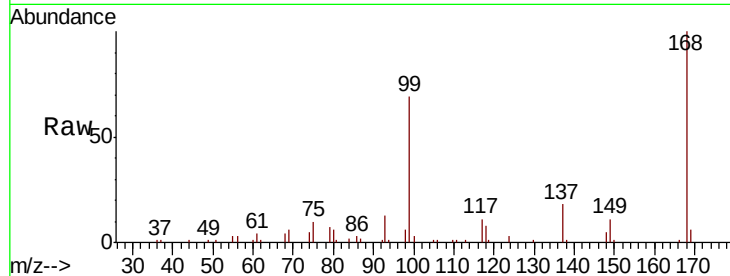
Ion 85.90 (85.60 to 86.60): VDC



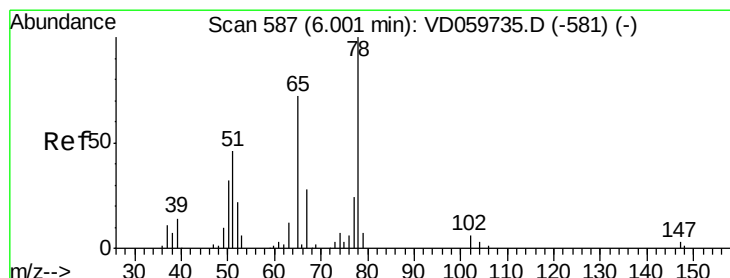
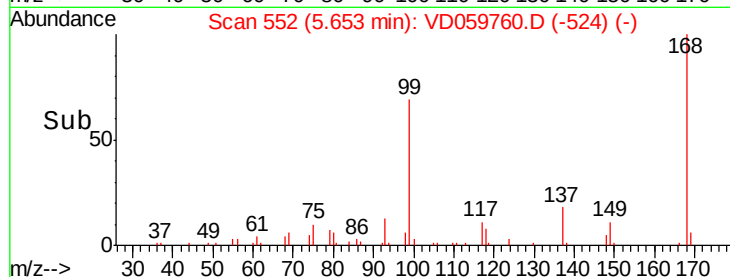
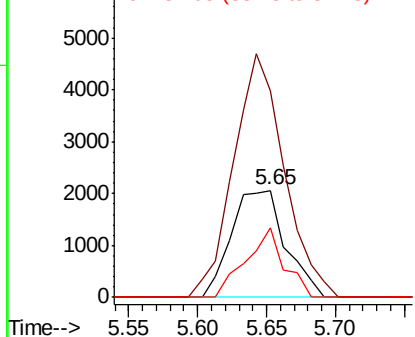


#31
Cyclohexane
Concen: 2.609 ug/l
RT: 5.65 min Scan# 552
Delta R.T. 0.07 min
Lab File: VD059760.D
Acq: 14 Aug 2018 3:45

Tgt Ion: 56 Resp: 5634
Ion Ratio Lower Upper
56 100
69 192.5 29.3 43.9#
84 64.7 76.2 114.2#

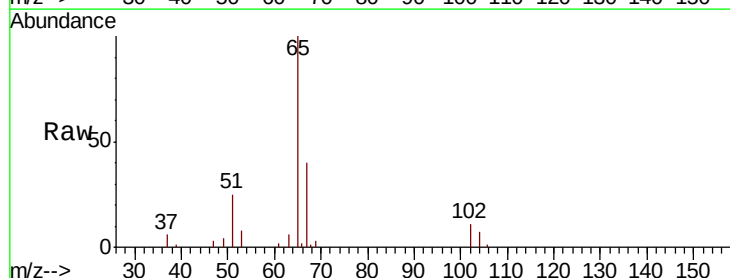


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

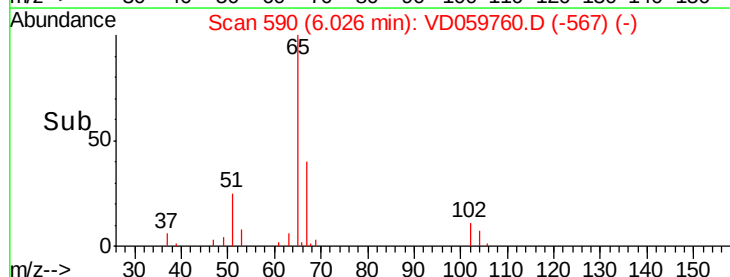
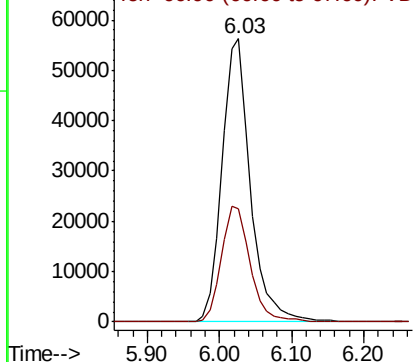


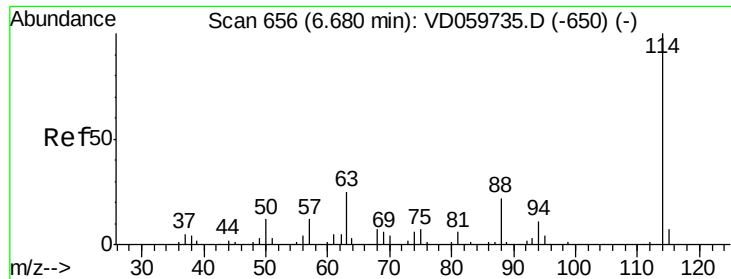
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.03 min Scan# 590
Delta R.T. 0.02 min
Lab File: VD059760.D
Acq: 14 Aug 2018 3:45

Tgt Ion: 65 Resp: 152423
Ion Ratio Lower Upper
65 100
67 40.0 0.0 77.4



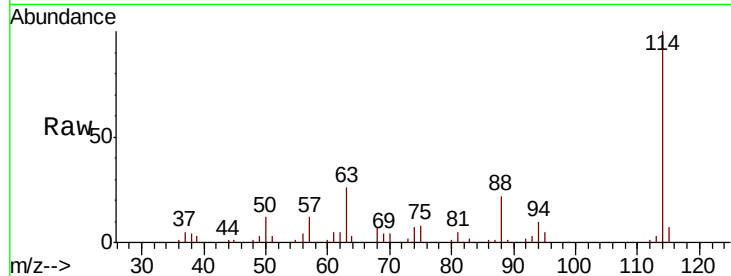
Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC





#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.70 min Scan# 658
 Delta R.T. 0.02 min
 Lab File: VD059760.D
 Acq: 14 Aug 2018 3:45

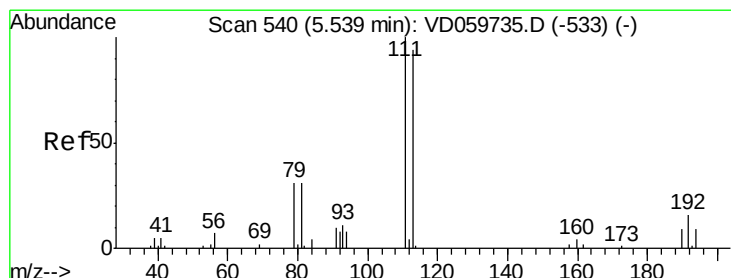
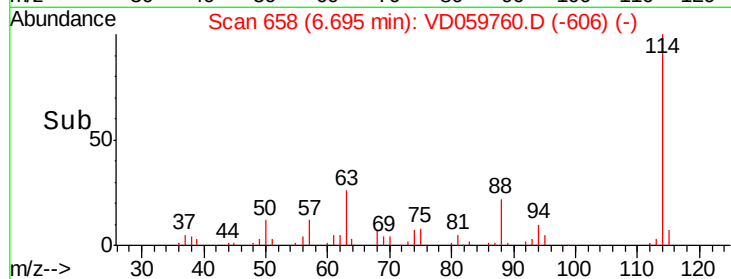
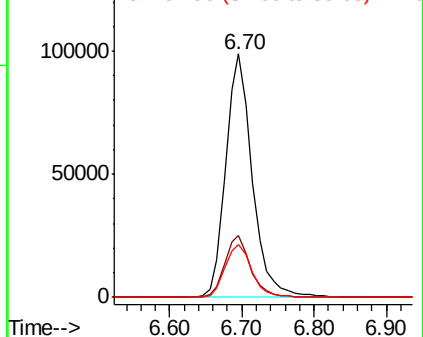
Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.6	0.0	50.6
88	21.9	0.0	43.4



Abundance Ion 114.00 (113.70 to 114.70): V

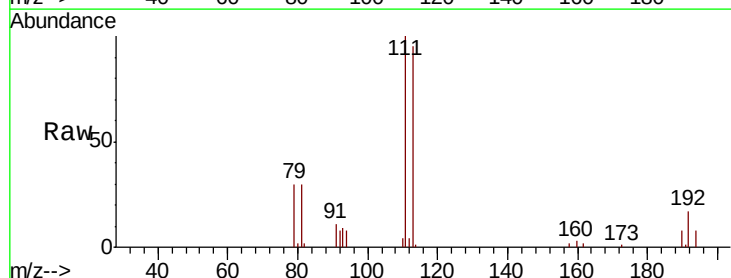
Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.55 min Scan# 542
 Delta R.T. 0.02 min
 Lab File: VD059760.D
 Acq: 14 Aug 2018 3:45

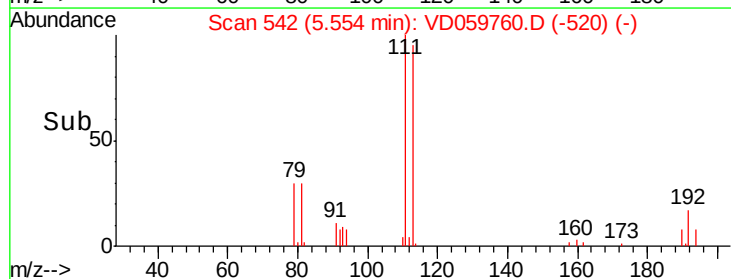
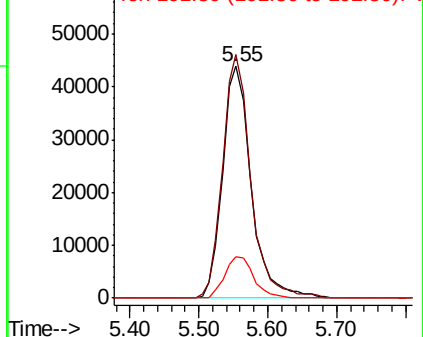
Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.9	85.3	127.9
192	17.9	13.9	20.9

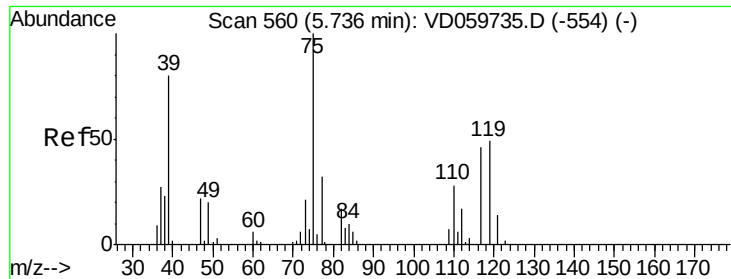


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 7.666 ug/l

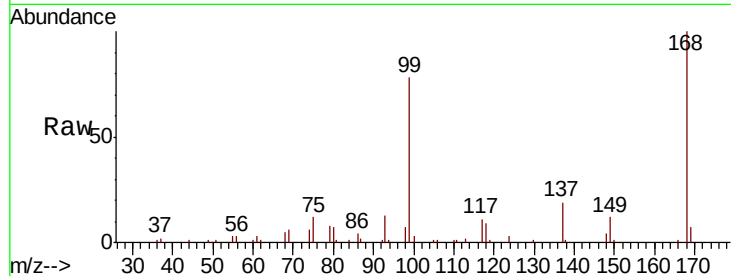
RT: 5.64 min Scan# 551

Delta R.T. -0.09 min

Lab File: VD059760.D

Acq: 14 Aug 2018 3:45

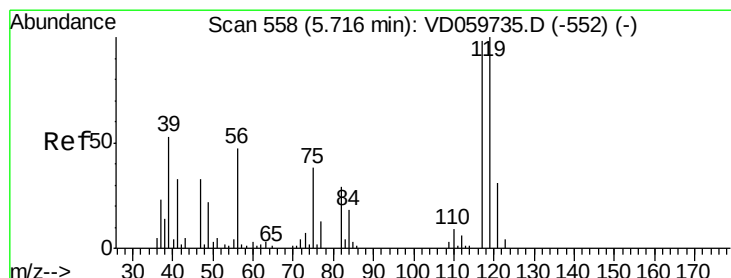
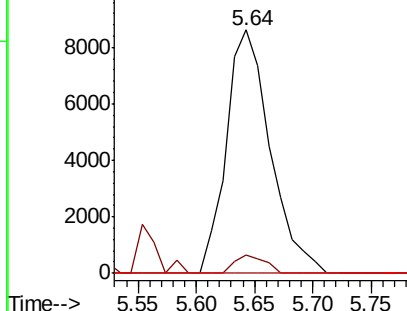
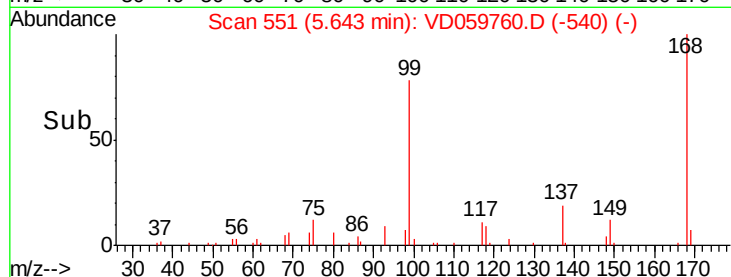
Tgt Ion:	75	Resp:	22429
Ion	Ratio	Lower	Upper
75	100		
110	7.4	13.7	41.0#
77	0.0	25.4	38.2#



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: 4.967 ug/l

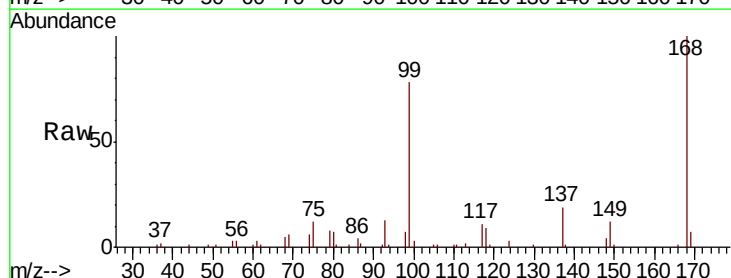
RT: 5.64 min Scan# 551

Delta R.T. -0.07 min

Lab File: VD059760.D

Acq: 14 Aug 2018 3:45

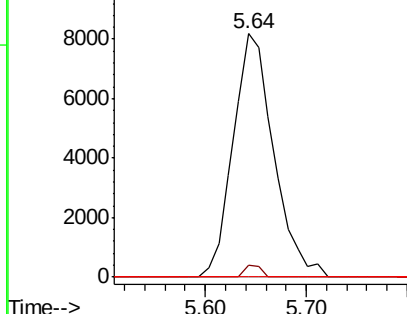
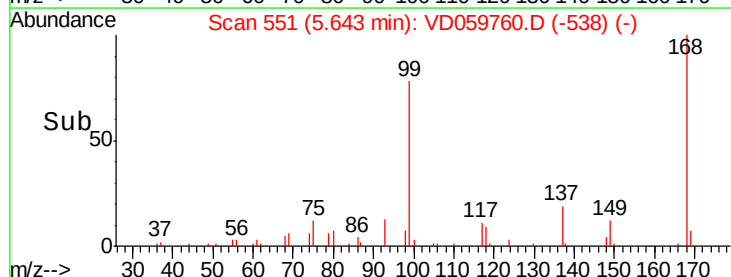
Tgt Ion:	117	Resp:	22865
Ion	Ratio	Lower	Upper
117	100		
119	4.9	78.2	117.2#
121	0.0	23.9	35.9#

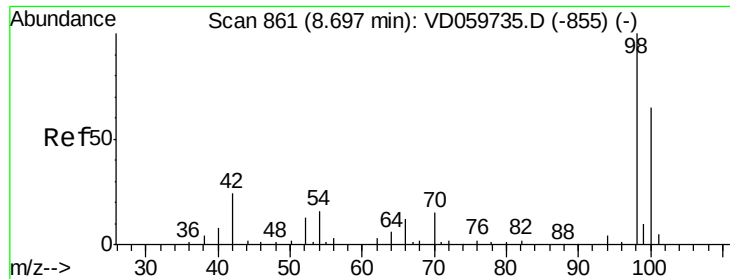


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

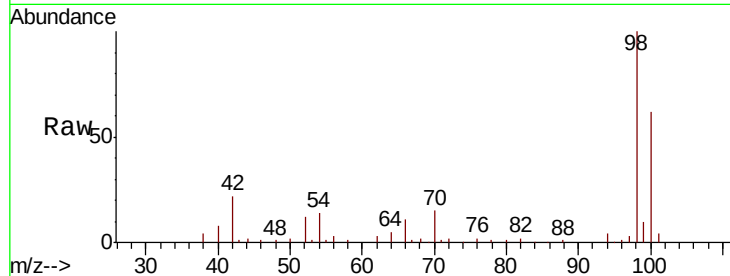
Ion 120.85 (120.55 to 121.55): V



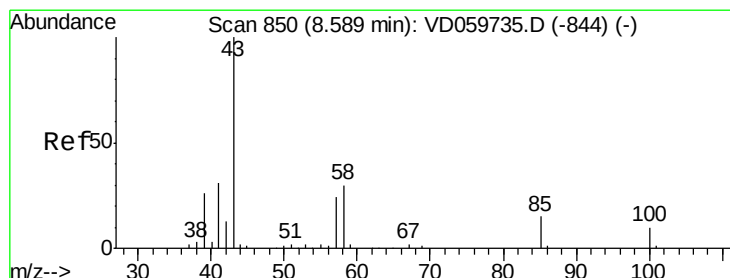
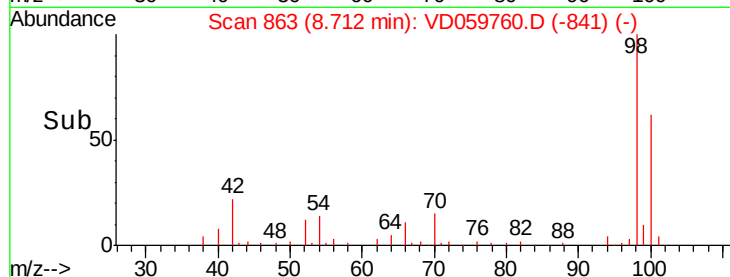
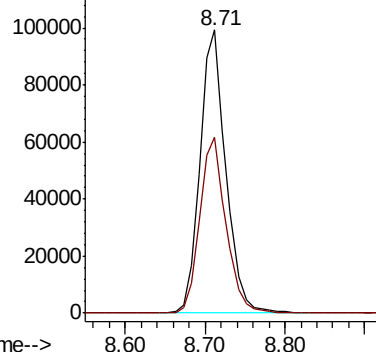


#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.71 min Scan# 863
Delta R.T. 0.02 min
Lab File: VD059760.D
Acq: 14 Aug 2018 3:45

Tgt Ion: 98 Resp: 224493
Ion Ratio Lower Upper
98 100
100 61.9 52.2 78.2

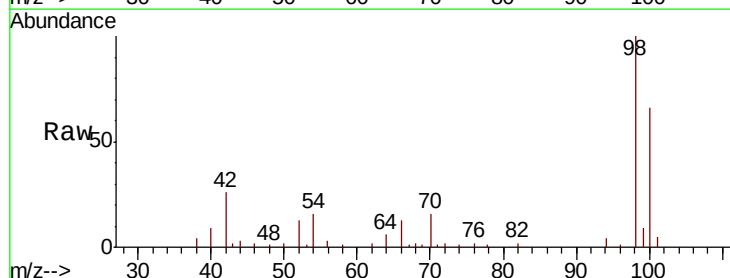


Abundance Ion 98.05 (97.75 to 98.75): VD059735.D (-855) (-)
Ion 100.05 (99.75 to 100.75): VD059735.D (-855) (-)

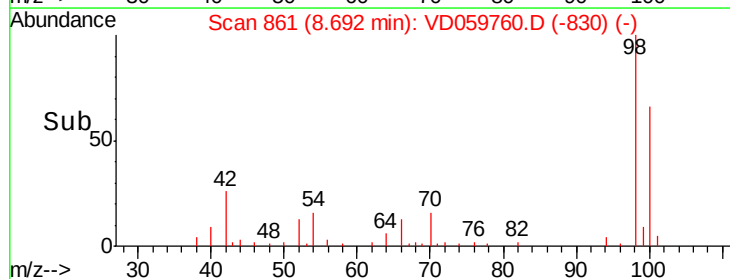
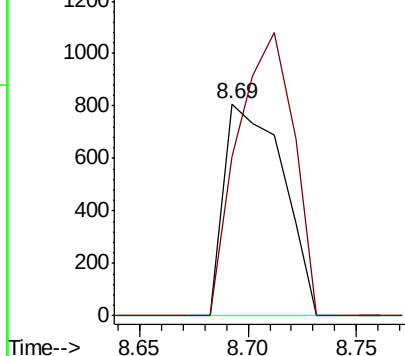


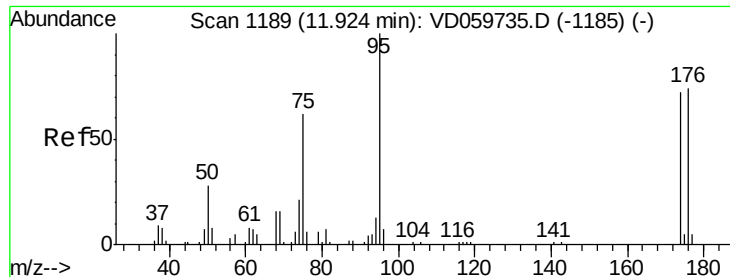
#51
4-Methyl-2-Pentanone
Concen: 1.220 ug/l
RT: 8.69 min Scan# 861
Delta R.T. 0.10 min
Lab File: VD059760.D
Acq: 14 Aug 2018 3:45

Tgt Ion: 43 Resp: 1525
Ion Ratio Lower Upper
43 100
58 74.9 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) (-)





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.93 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD059760.D

Acq: 14 Aug 2018 3:45

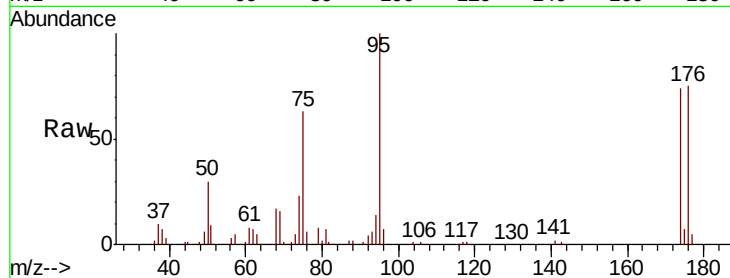
Tgt Ion: 95 Resp: 115607

Ion Ratio Lower Upper

95 100

174 73.9 0.0 143.2

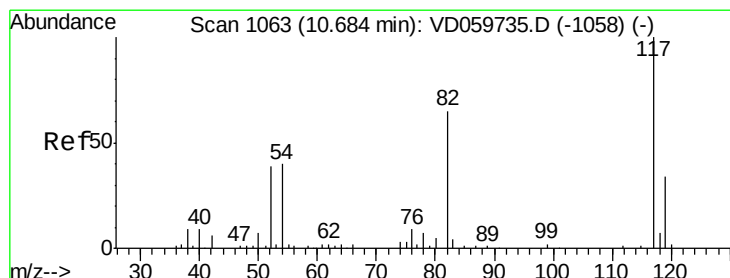
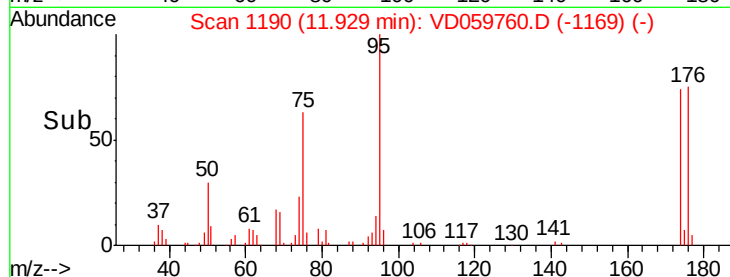
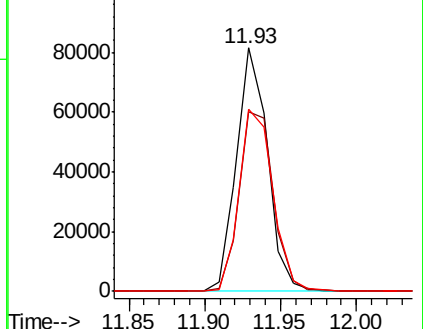
176 75.0 0.0 147.2



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: 10.69 min Scan# 1064

Delta R.T. 0.01 min

Lab File: VD059760.D

Acq: 14 Aug 2018 3:45

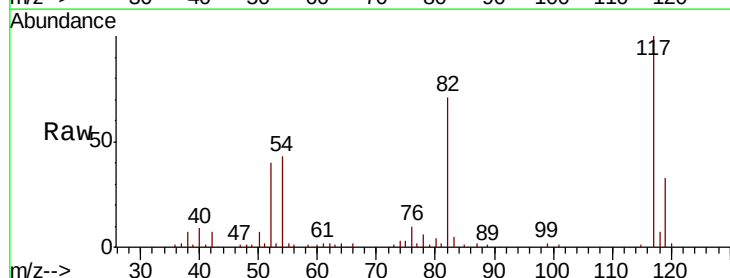
Tgt Ion: 117 Resp: 213731

Ion Ratio Lower Upper

117 100

82 70.5 51.9 77.9

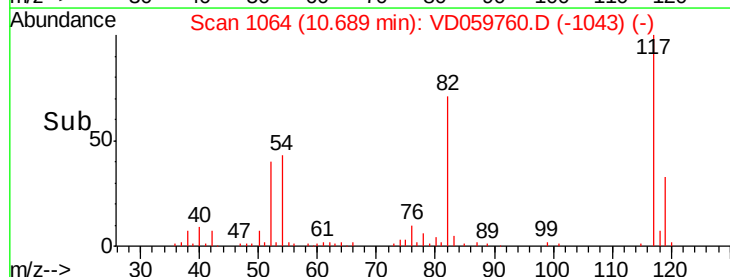
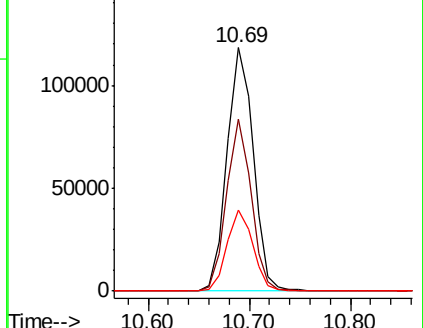
119 33.4 27.4 41.0

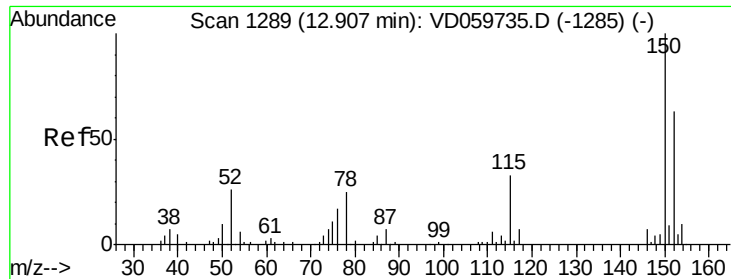


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

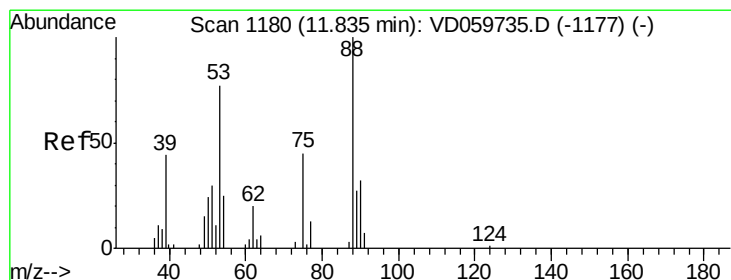
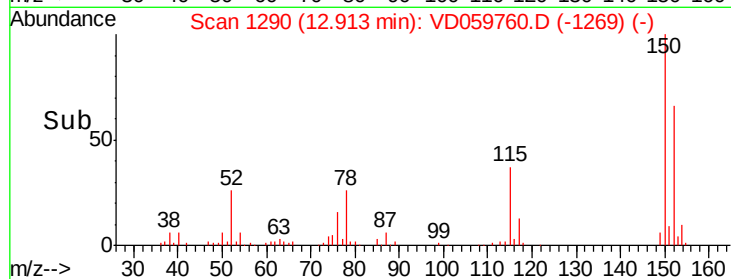
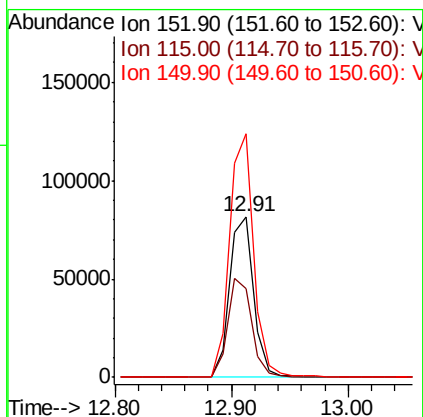
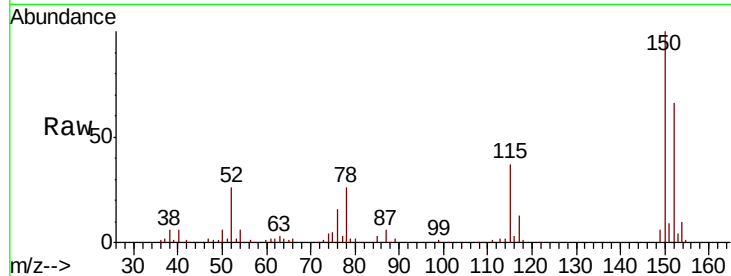
Ion 118.95 (118.65 to 119.65): V





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.91 min Scan# 1290
 Delta R.T. 0.01 min
 Lab File: VD059760.D
 Acq: 14 Aug 2018 3:45

Tgt Ion: 152 Resp: 117324
 Ion Ratio Lower Upper
 152 100
 115 55.6 29.8 89.3
 150 151.7 0.0 320.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 171.518 ug/l
 RT: 11.93 min Scan# 1190
 Delta R.T. 0.09 min
 Lab File: VD059760.D
 Acq: 14 Aug 2018 3:45

Tgt Ion: 75 Resp: 67048
 Ion Ratio Lower Upper
 75 100
 53 0.0 137.5 206.3#
 89 0.0 48.3 72.5#

