

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081318\
 Data File : VD059747.D
 Acq On : 13 Aug 2018 21:38
 Operator : VA/AP
 Sample : J4430-11
 Misc : 5.03g/5ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 14 03:52:30 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	186196	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.68	114	223039	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.68	117	145321	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	68969	50.00	ug/l	0.00

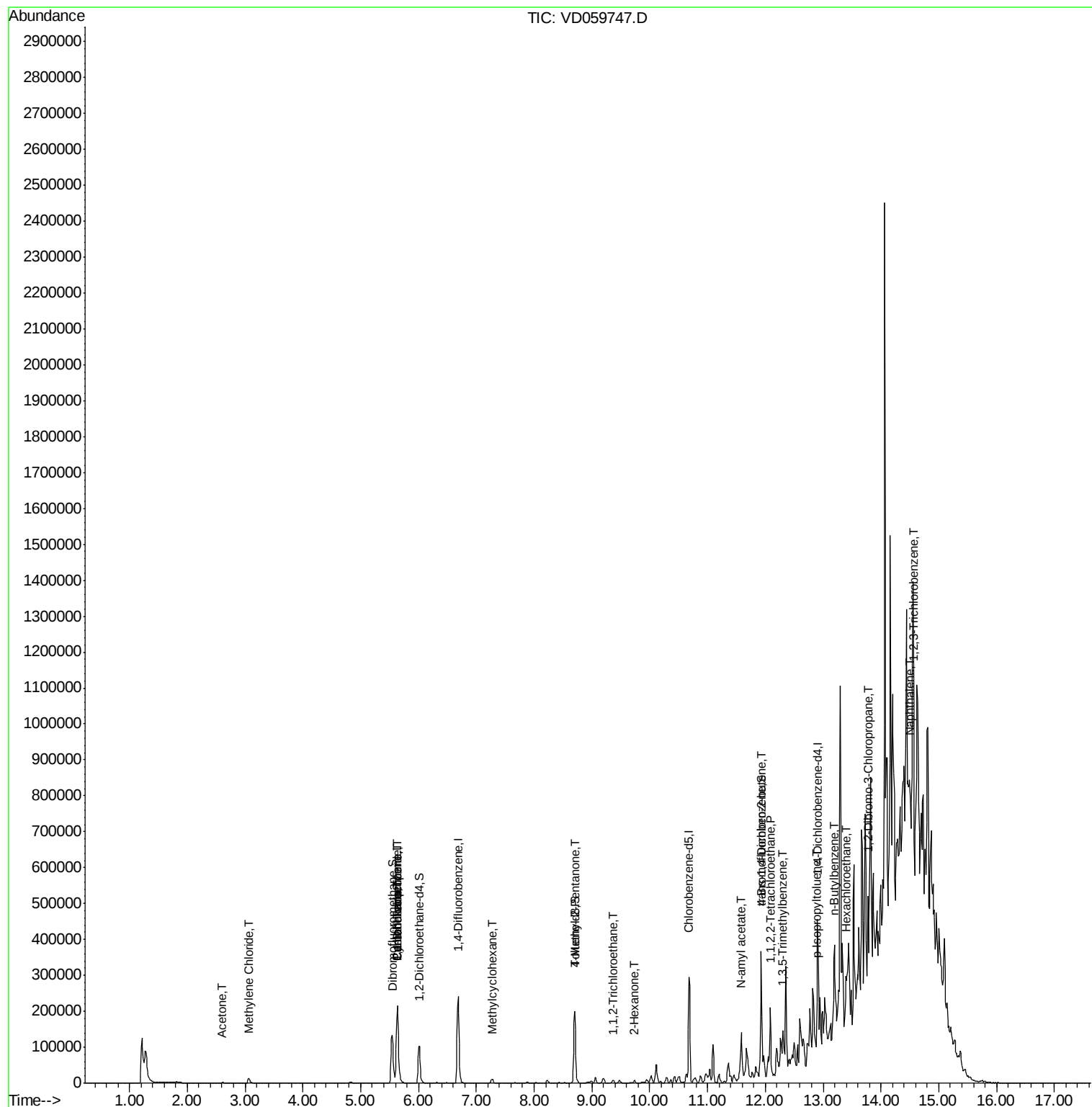
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	123292	42.30	ug/l	0.01
Spiked Amount 50.000			Recovery	=	84.60%	
35) Dibromofluoromethane	5.54	113	107550	46.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.66%	
50) Toluene-d8	8.70	98	138847	30.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	60.96%	
62) 4-Bromofluorobenzene	11.93	95	77975	34.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	68.26%	

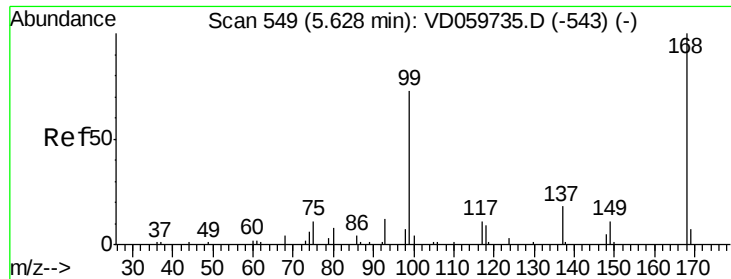
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.60	43	1782	3.743	ug/l #	59
20) Methylene Chloride	3.06	84	6398	4.655	ug/l	93
31) Cyclohexane	5.63	56	6840	3.642	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	17897	6.913	ug/l #	53
38) Carbon Tetrachloride	5.63	117	20261	4.974	ug/l #	11
39) Methylcyclohexane	7.27	83	6155	3.209	ug/l #	90
51) 4-Methyl-2-Pentanone	8.69	43	1174	1.062	ug/l #	41
55) 1,1,2-Trichloroethane	9.36	97	3393	2.966	ug/l #	13
59) 2-Hexanone	9.74	43	3674	4.440	ug/l #	36
74) N-amyl acetate	11.59	43	12110	9.015	ug/l #	40
75) 1,1,2,2-Tetrachloroethane	12.09	83	12968	15.169	ug/l #	35
80) 1,3,5-Trimethylbenzene	12.31	105	13643	3.361	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.93	75	43392	188.828	ug/l #	1
86) p-Isopropyltoluene	12.88	119	8692	2.055	ug/l	98
89) n-Butylbenzene	13.18	91	13492	3.226	ug/l #	8
90) Hexachloroethane	13.40	117	3166	2.885	ug/l #	7
92) 1,2-Dibromo-3-Chloropropan	13.78	75	241	1.132	ug/l #	4
95) Naphthalene	14.51	128	7706	3.062	ug/l #	1
96) 1,2,3-Trichlorobenzene	14.57	180	2647	1.657	ug/l	60

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

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Operator : VA/AP
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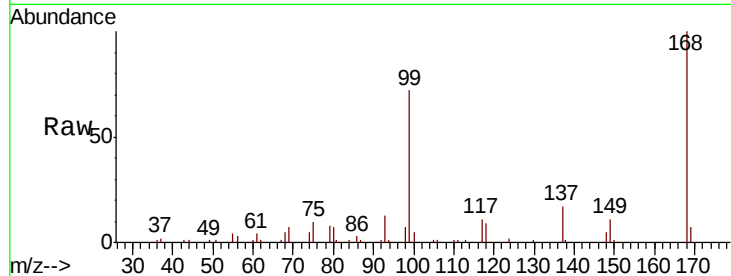
Quant Time: Aug 14 03:52:30 2018
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Quant Title : SW846 8260
QLast Update : Sat Aug 11 05:42:24 2018
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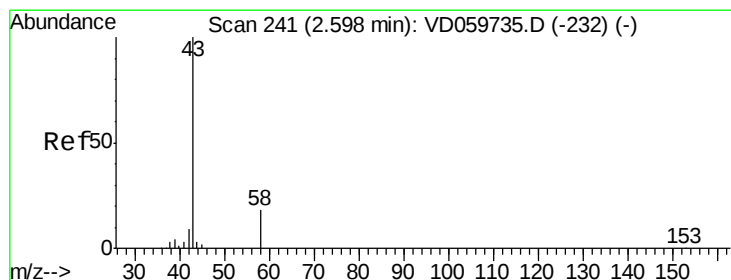
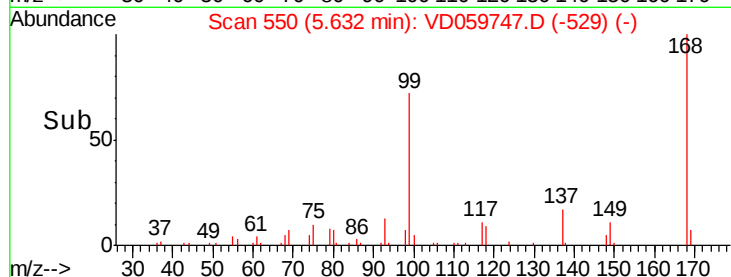
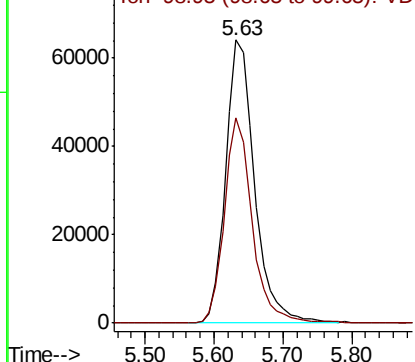


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.63 min Scan# 550
Delta R.T. 0.00 min
Lab File: VD059747.D
Acq: 13 Aug 2018 21:38

Tgt Ion: 168 Resp: 186196
Ion Ratio Lower Upper
168 100
99 72.4 61.4 92.2

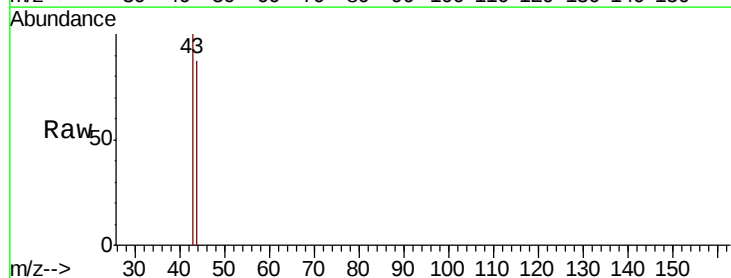


Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.95 (98.65 to 99.65): VDC

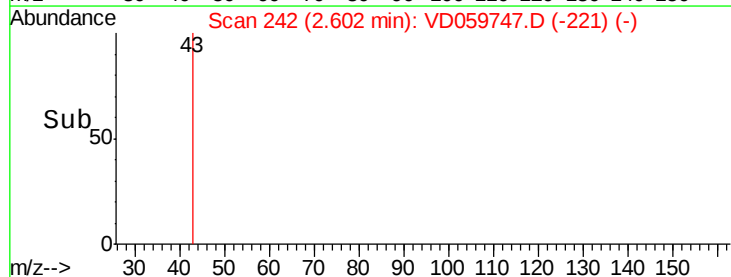
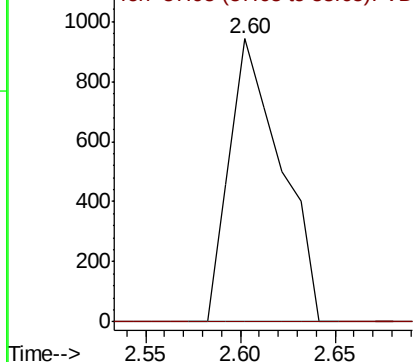


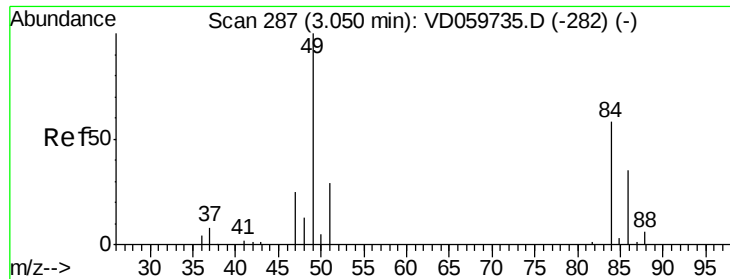
#16
Acetone
Concen: 3.743 ug/l
RT: 2.60 min Scan# 242
Delta R.T. 0.00 min
Lab File: VD059747.D
Acq: 13 Aug 2018 21:38

Tgt Ion: 43 Resp: 1782
Ion Ratio Lower Upper
43 100
58 0.0 14.6 21.8#



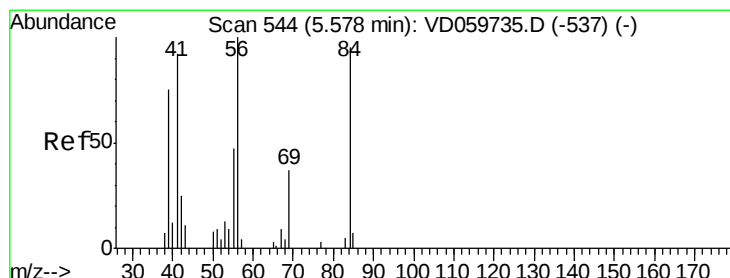
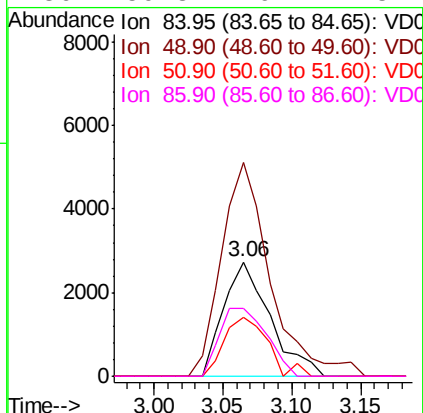
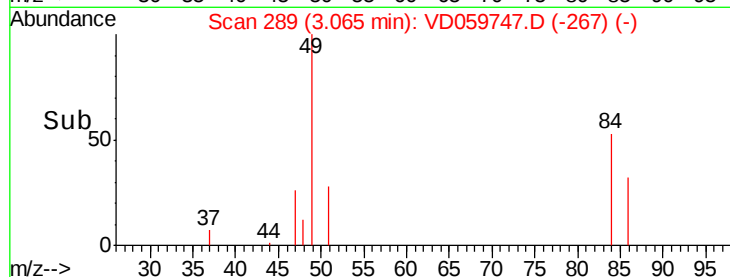
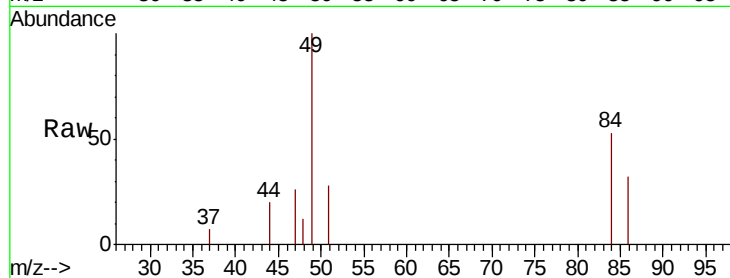
Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





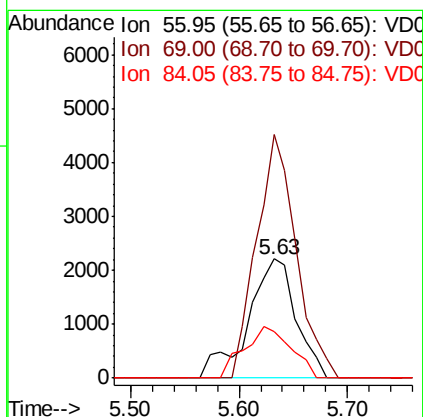
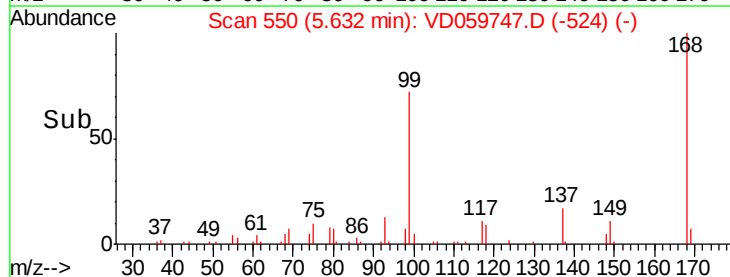
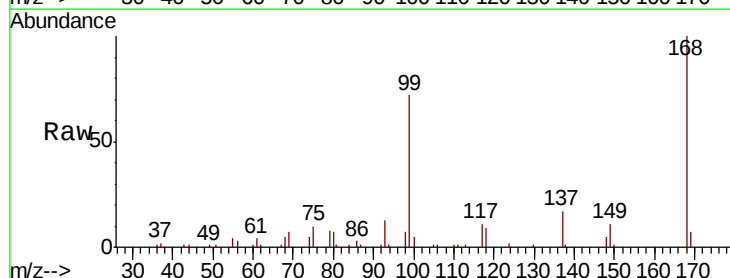
#20
Methylene Chloride
Concen: 4.655 ug/l
RT: 3.06 min Scan# 289
Delta R.T. 0.01 min
Lab File: VD059747.D
Acq: 13 Aug 2018 21:38

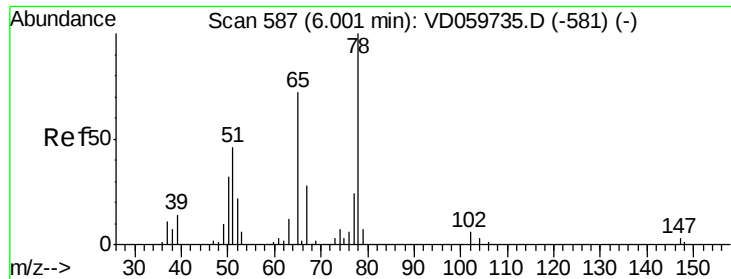
Tgt Ion: 84 Resp: 6398
Ion Ratio Lower Upper
84 100
49 187.0 138.9 208.3
51 52.0 40.2 60.2
86 59.3 49.1 73.7



#31
Cyclohexane
Concen: 3.642 ug/l
RT: 5.63 min Scan# 550
Delta R.T. 0.05 min
Lab File: VD059747.D
Acq: 13 Aug 2018 21:38

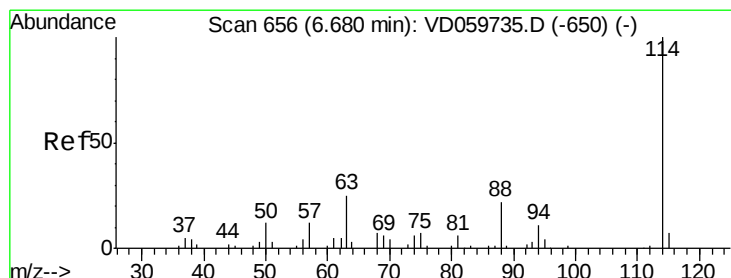
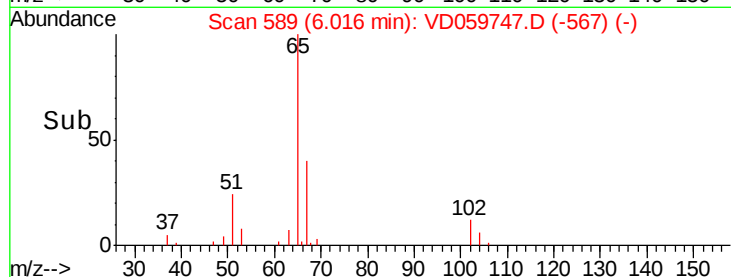
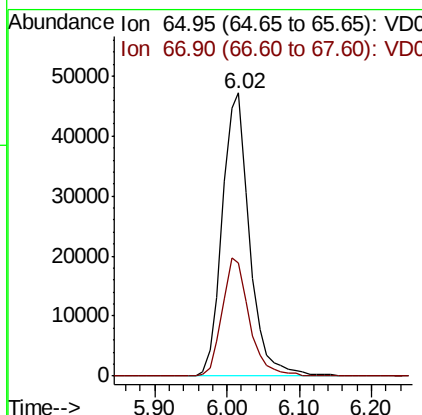
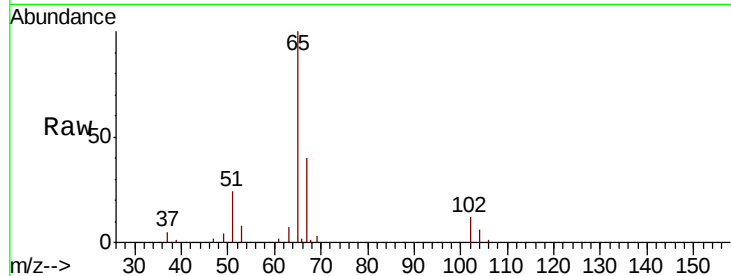
Tgt Ion: 56 Resp: 6840
Ion Ratio Lower Upper
56 100
69 204.0 29.3 43.9#
84 39.3 76.2 114.2#





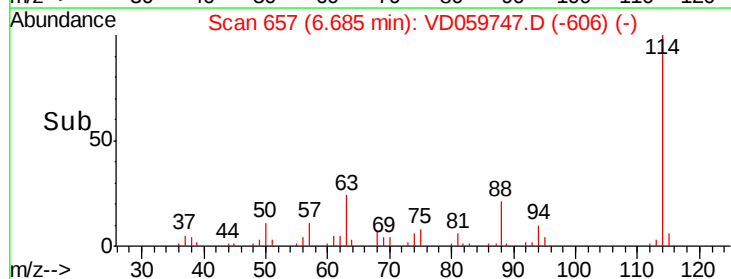
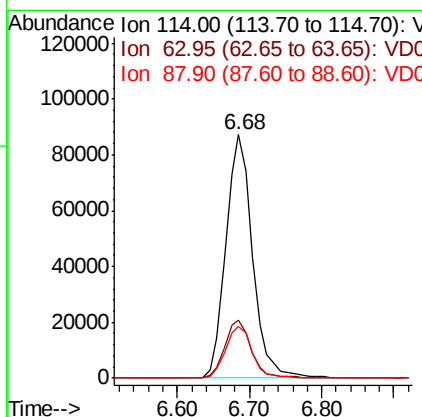
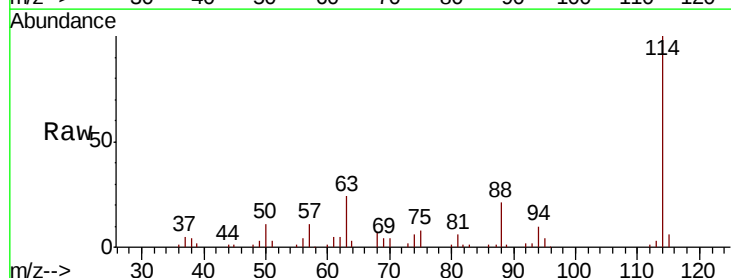
#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.02 min Scan# 589
 Delta R.T. 0.01 min
 Lab File: VD059747.D
 Acq: 13 Aug 2018 21:38

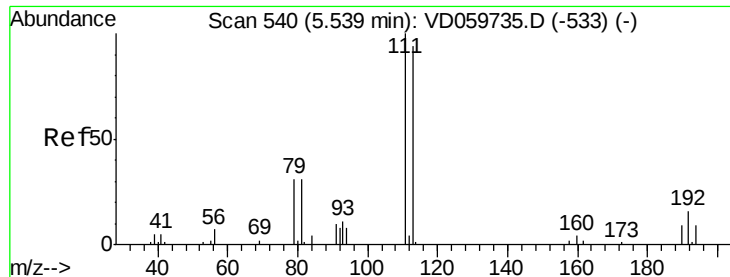
Tgt Ion: 65 Resp: 123292
 Ion Ratio Lower Upper
 65 100
 67 40.2 0.0 77.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.68 min Scan# 657
 Delta R.T. 0.00 min
 Lab File: VD059747.D
 Acq: 13 Aug 2018 21:38

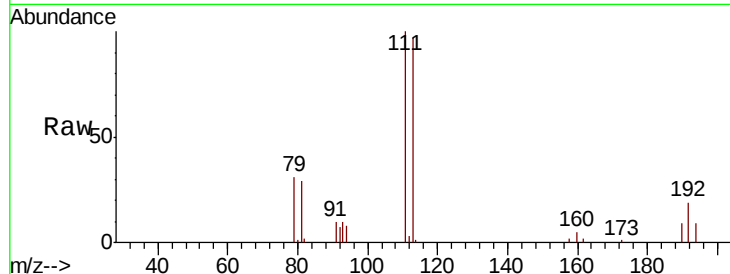
Tgt Ion: 114 Resp: 223039
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 50.6
 88 21.0 0.0 43.4



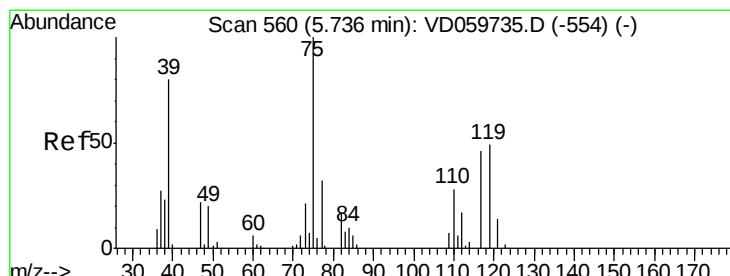
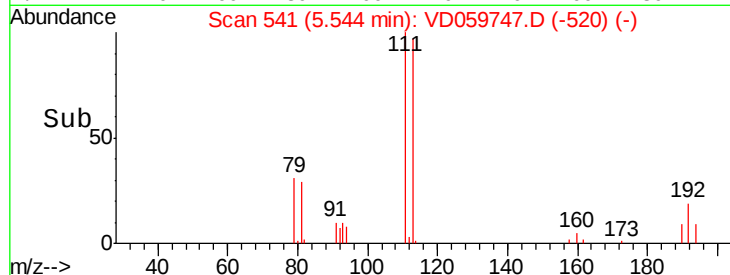
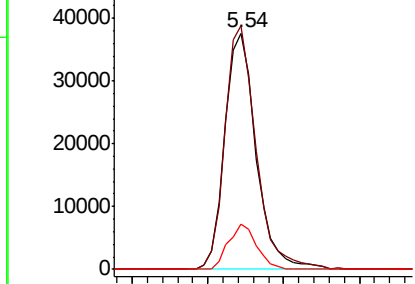


#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.54 min Scan# 541
 Delta R.T. 0.00 min
 Lab File: VD059747.D
 Acq: 13 Aug 2018 21:38

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.1	85.3	127.9
192	19.3	13.9	20.9

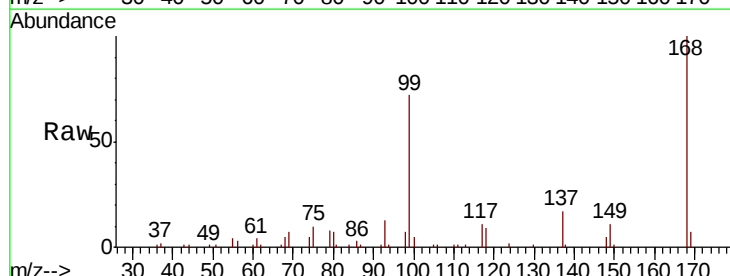


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

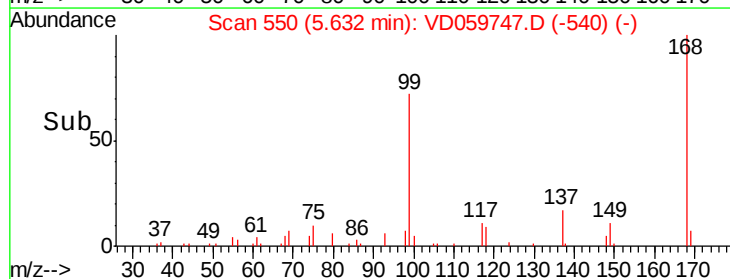
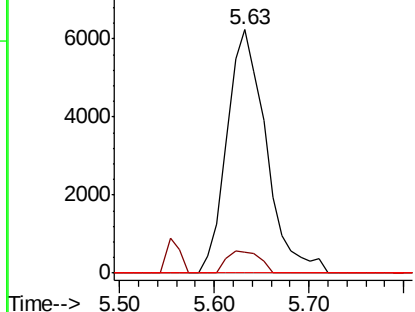


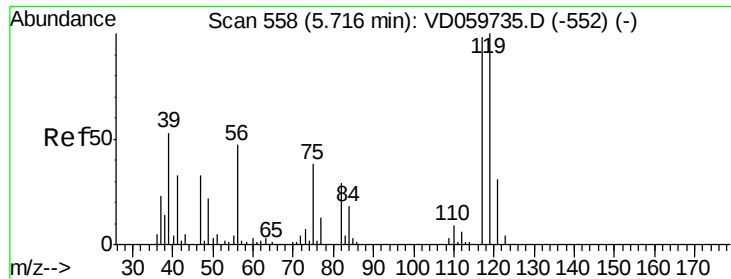
#36
 1,1-Dichloropropene
 Concen: 6.913 ug/l
 RT: 5.63 min Scan# 550
 Delta R.T. -0.10 min
 Lab File: VD059747.D
 Acq: 13 Aug 2018 21:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.7	13.7	41.0#
77	0.0	25.4	38.2#



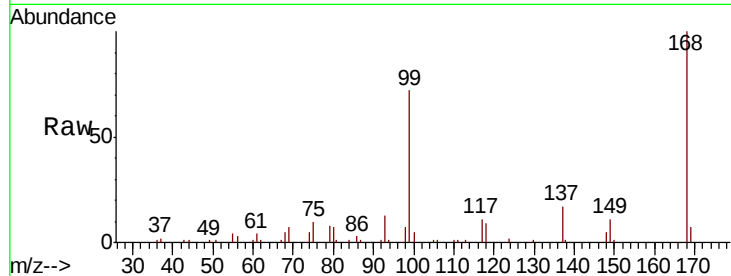
Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): V



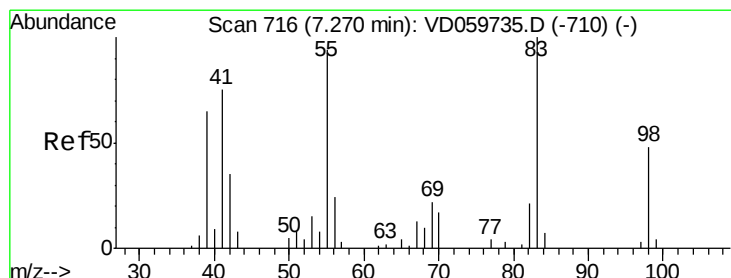
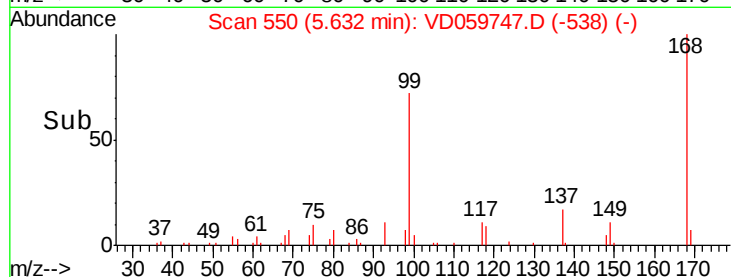
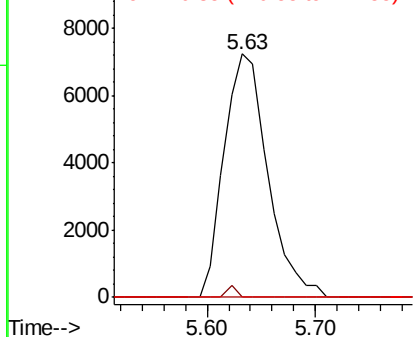


#38
Carbon Tetrachloride
Concen: 4.974 ug/l
RT: 5.63 min Scan# 550
Delta R.T. -0.08 min
Lab File: VD059747.D
Acq: 13 Aug 2018 21:38

Tgt Ion: 117 Resp: 20261
Ion Ratio Lower Upper
117 100
119 0.0 78.2 117.2#
121 0.0 23.9 35.9#

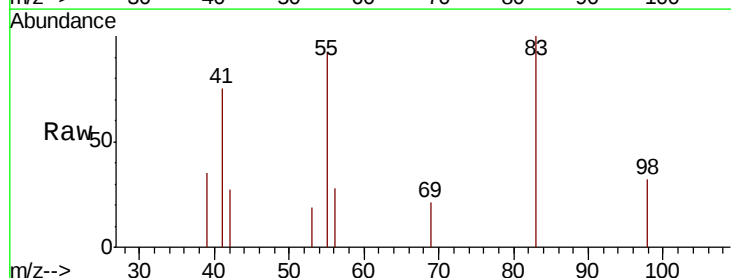


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

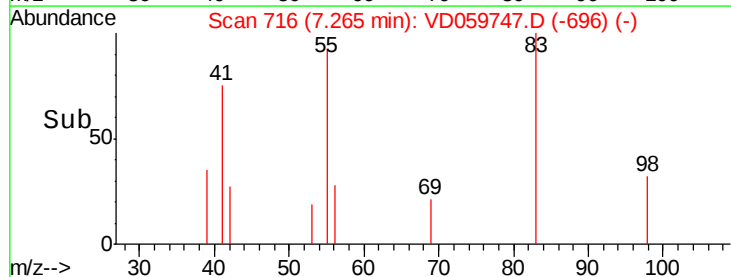
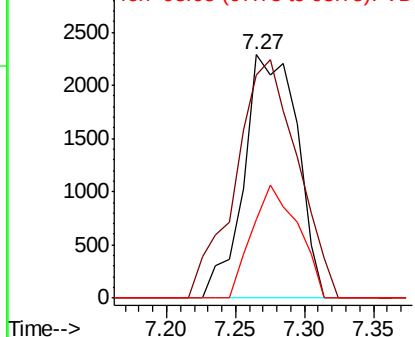


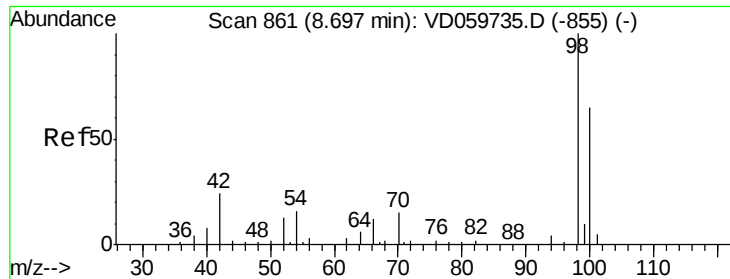
#39
Methylcyclohexane
Concen: 3.209 ug/l
RT: 7.27 min Scan# 716
Delta R.T. -0.01 min
Lab File: VD059747.D
Acq: 13 Aug 2018 21:38

Tgt Ion: 83 Resp: 6155
Ion Ratio Lower Upper
83 100
55 91.9 75.1 112.7
98 32.1 38.7 58.1#



Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC





#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.70 min Scan# 862

Delta R.T. 0.00 min

Lab File: VD059747.D

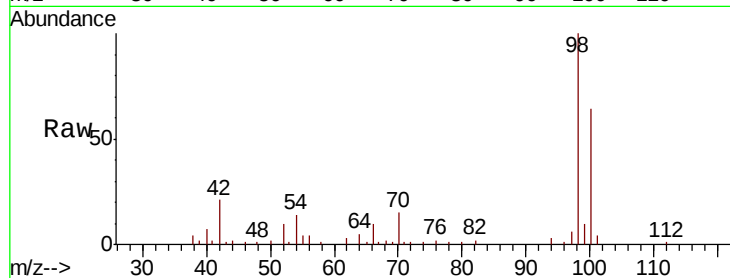
Acq: 13 Aug 2018 21:38

Tgt Ion: 98 Resp: 138847

Ion Ratio Lower Upper

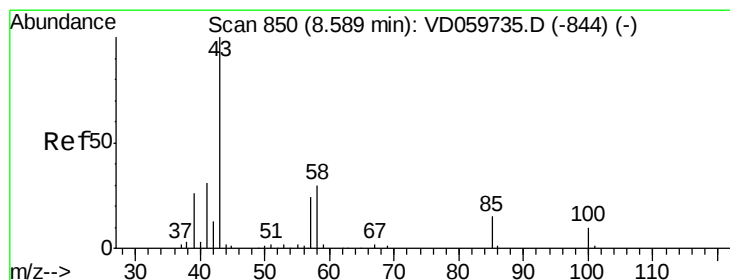
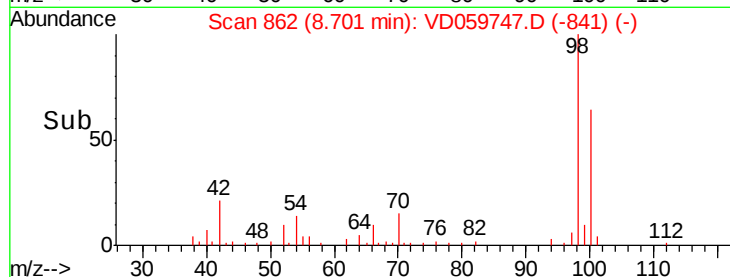
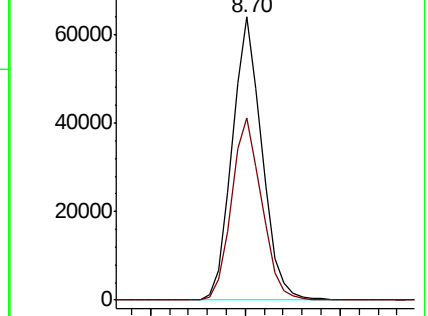
98 100

100 64.2 52.2 78.2



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: 1.062 ug/l

RT: 8.69 min Scan# 861

Delta R.T. 0.10 min

Lab File: VD059747.D

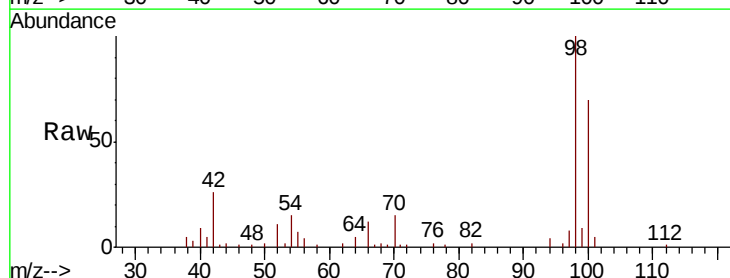
Acq: 13 Aug 2018 21:38

Tgt Ion: 43 Resp: 1174

Ion Ratio Lower Upper

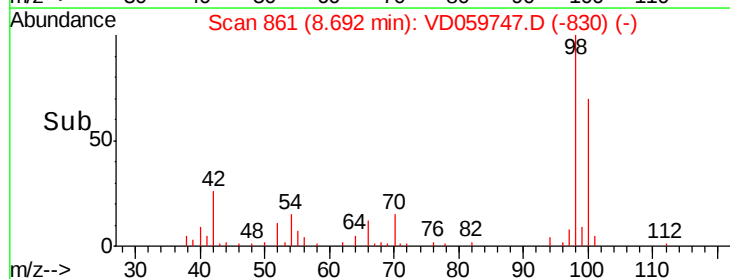
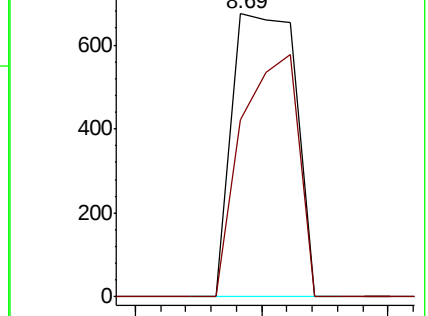
43 100

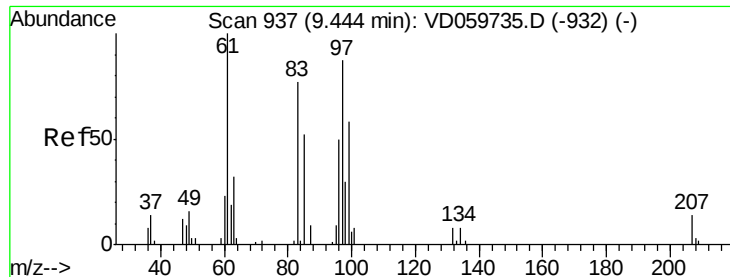
58 62.8 24.3 36.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

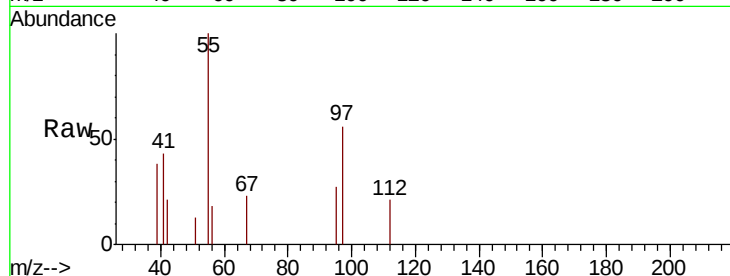
Ion 57.95 (57.65 to 58.65): VDC



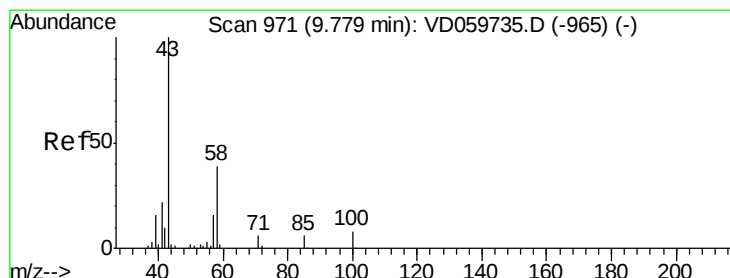
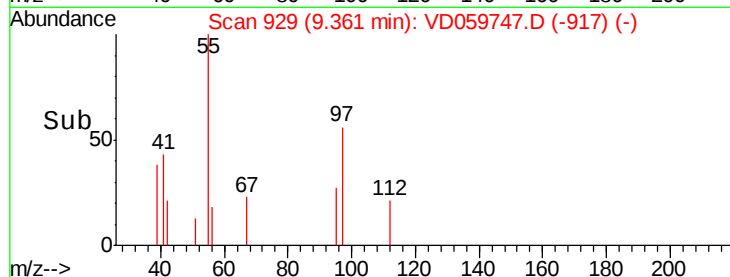
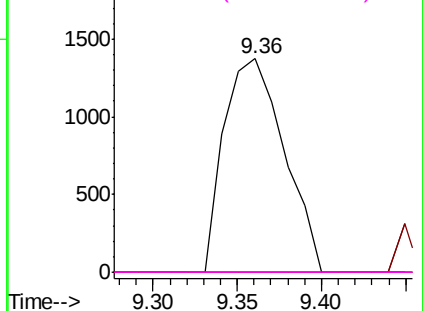


#55
 1,1,2-Trichloroethane
 Concen: 2.966 ug/l
 RT: 9.36 min Scan# 929
 Delta R.T. -0.08 min
 Lab File: VD059747.D
 Acq: 13 Aug 2018 21:38

Tgt Ion: 97 Resp: 3393
 Ion Ratio Lower Upper
 97 100
 83 0.0 70.4 105.6#
 85 0.0 47.6 71.4#
 99 0.0 53.1 79.7#

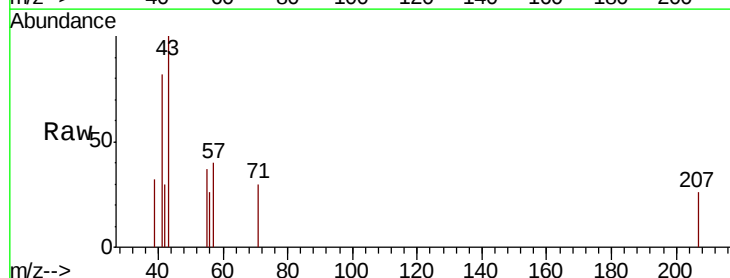


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

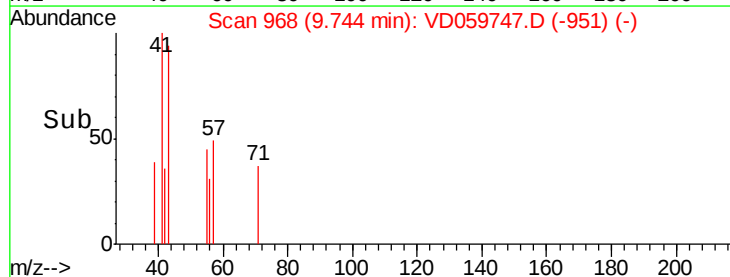
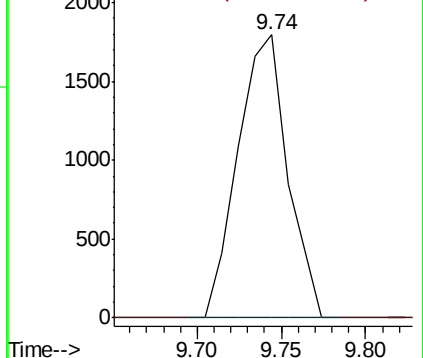


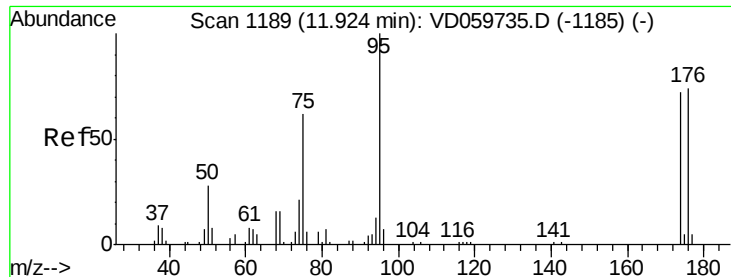
#59
 2-Hexanone
 Concen: 4.440 ug/l
 RT: 9.74 min Scan# 968
 Delta R.T. -0.03 min
 Lab File: VD059747.D
 Acq: 13 Aug 2018 21:38

Tgt Ion: 43 Resp: 3674
 Ion Ratio Lower Upper
 43 100
 58 0.0 19.8 59.3#



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: 11.93 min Scan# 1190

Delta R.T. 0.00 min

Lab File: VD059747.D

Acq: 13 Aug 2018 21:38

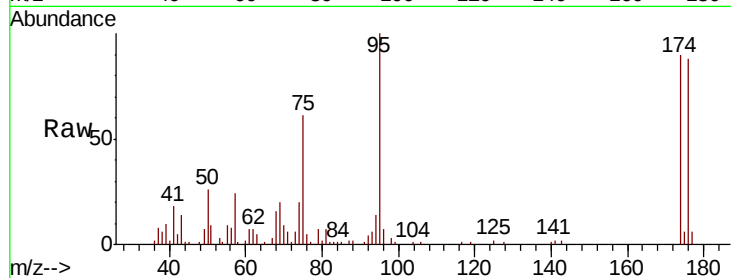
Tgt Ion: 95 Resp: 77975

Ion Ratio Lower Upper

95 100

174 90.0 0.0 143.2

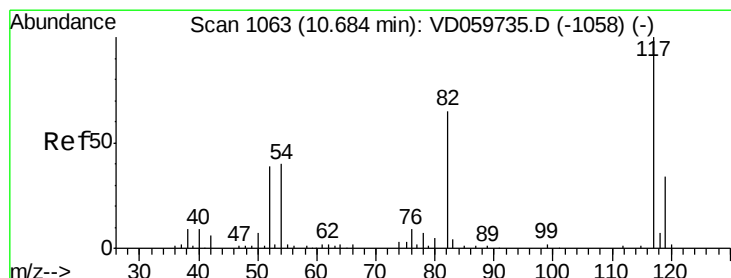
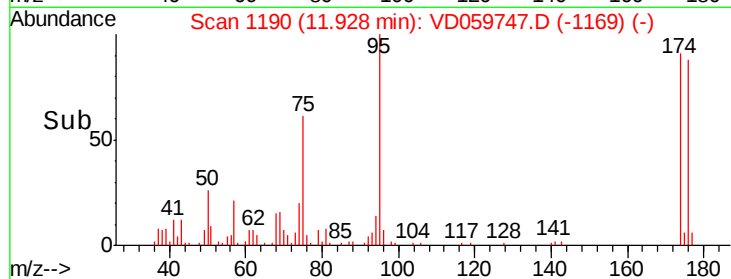
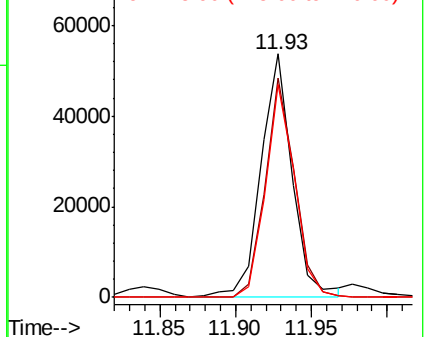
176 87.6 0.0 147.2



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. -0.01 min

Lab File: VD059747.D

Acq: 13 Aug 2018 21:38

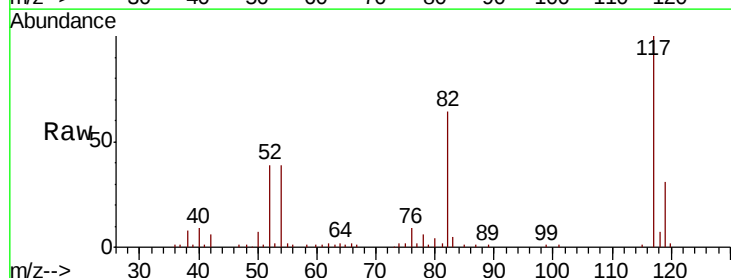
Tgt Ion: 117 Resp: 145321

Ion Ratio Lower Upper

117 100

82 64.3 51.9 77.9

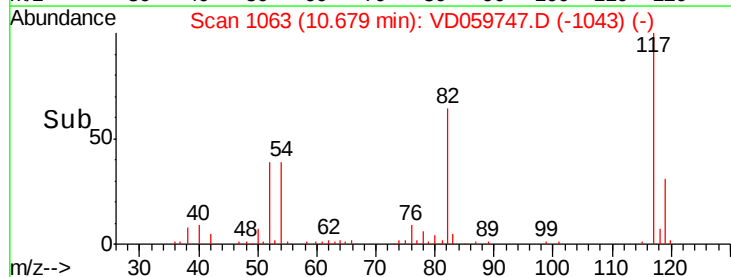
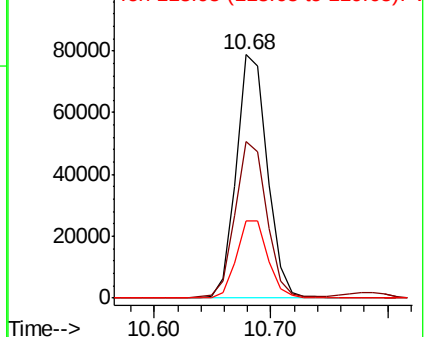
119 31.5 27.4 41.0

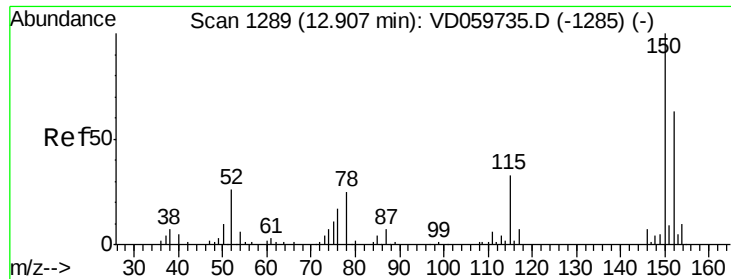


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

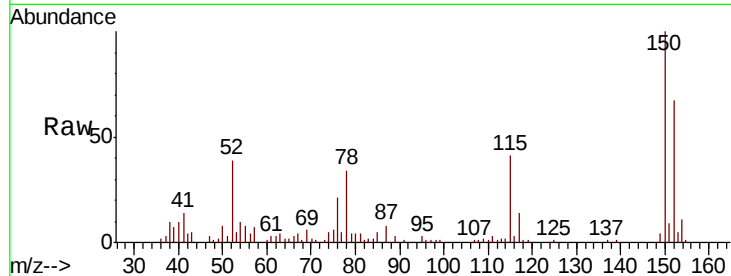




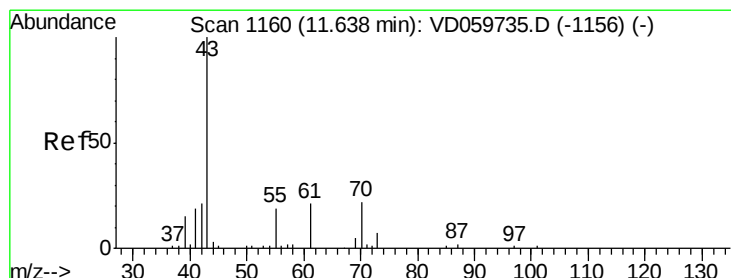
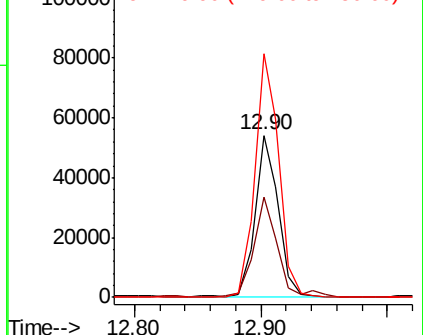
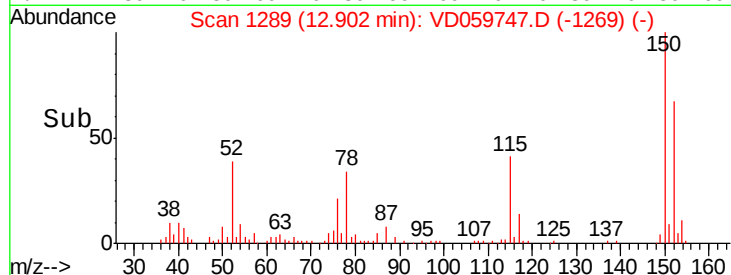
#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1289
Delta R.T. -0.01 min
Lab File: VD059747.D
Acq: 13 Aug 2018 21:38

Tgt Ion: 152 Resp: 68969
Ion Ratio Lower Upper
152 100
115 61.5 29.8 89.3
150 150.2 0.0 320.4



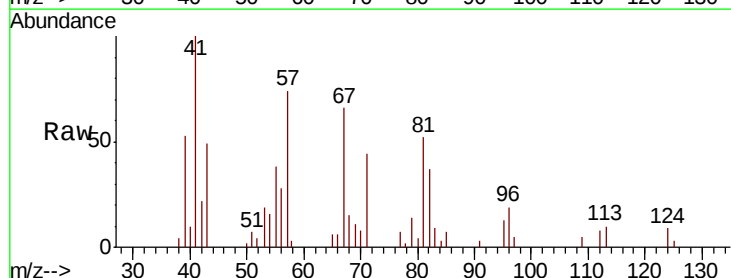
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



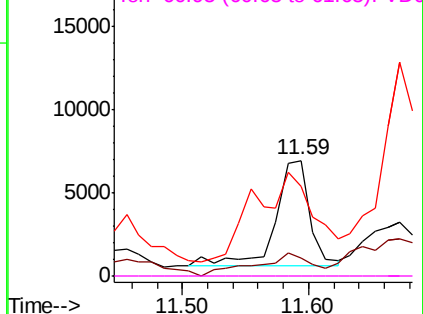
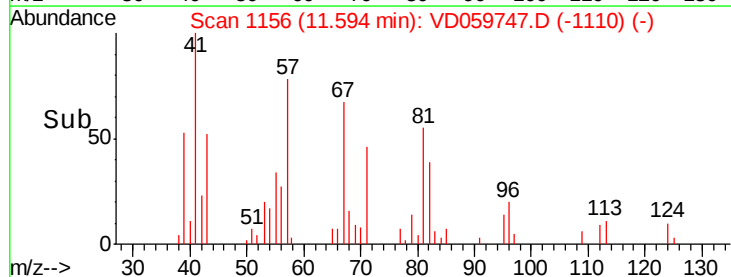
#74

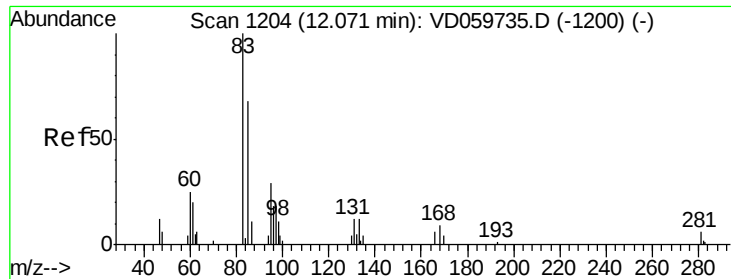
N-ethyl acetate
Concen: 9.015 ug/l
RT: 11.59 min Scan# 1156
Delta R.T. -0.04 min
Lab File: VD059747.D
Acq: 13 Aug 2018 21:38

Tgt Ion: 43 Resp: 12110
Ion Ratio Lower Upper
43 100
70 15.3 18.0 27.0#
55 77.3 14.8 22.2#
61 0.0 17.1 25.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 70.00 (69.70 to 70.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 15.169 ug/l

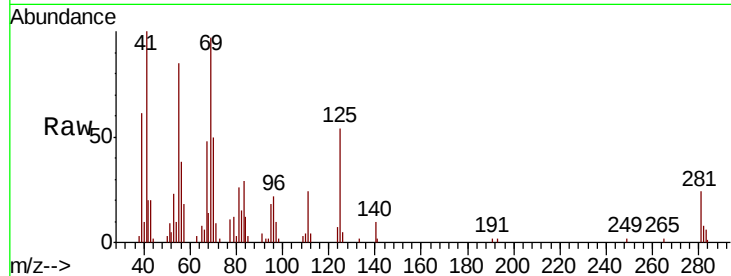
RT: 12.09 min Scan# 1206

Delta R.T. 0.01 min

Lab File: VD059747.D

Acq: 13 Aug 2018 21:38

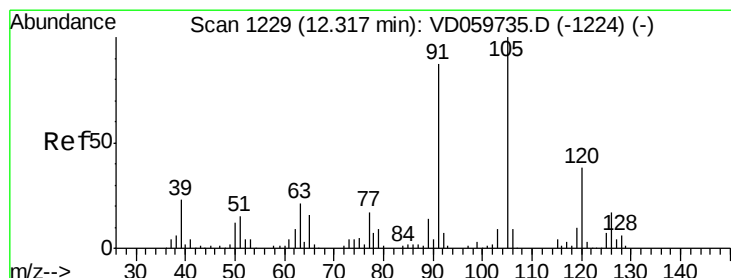
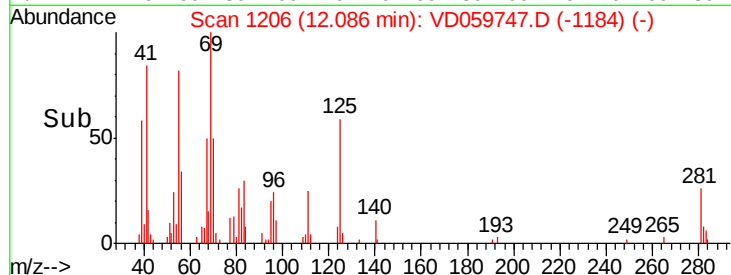
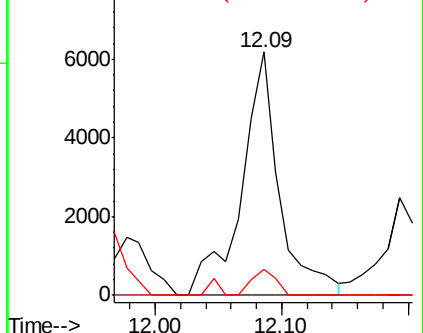
Tgt Ion	Ratio	Lower	Upper
83	100		
131	0.0	6.3	19.1#
85	10.7	34.2	102.5#



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#80

1,3,5-Trimethylbenzene

Concen: 3.361 ug/l

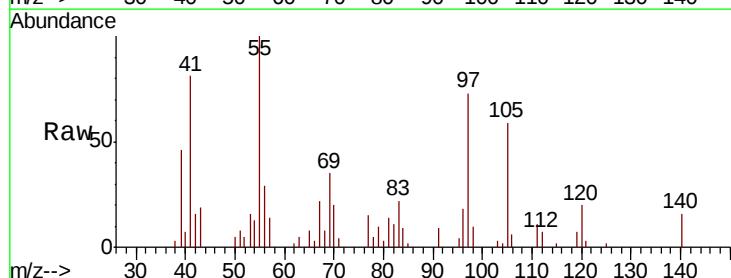
RT: 12.31 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VD059747.D

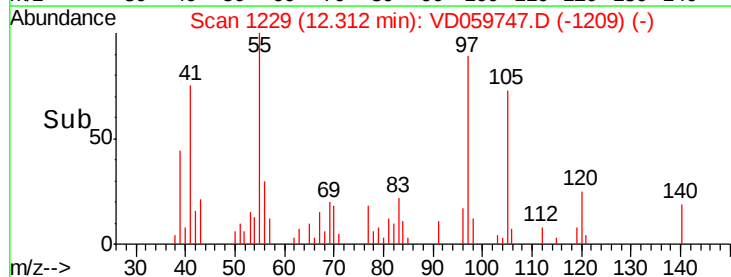
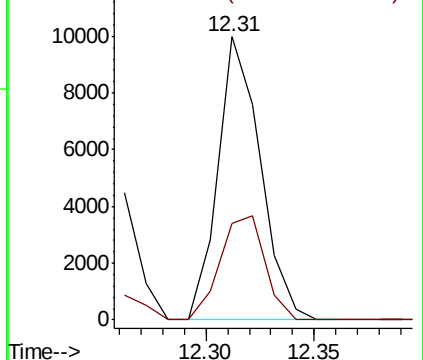
Acq: 13 Aug 2018 21:38

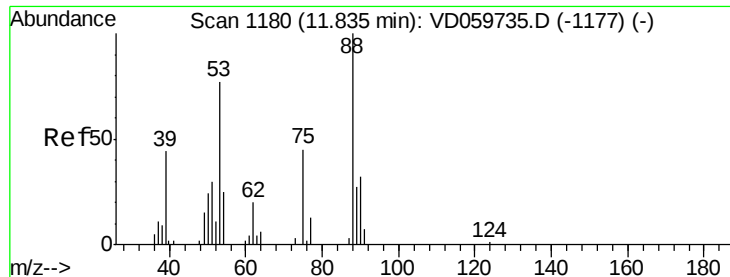
Tgt Ion	Ratio	Lower	Upper
105	100		
120	34.3	19.2	57.6



Abundance Ion 105.05 (104.75 to 105.75): VDC

Ion 120.05 (119.75 to 120.75): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 188.828 ug/l

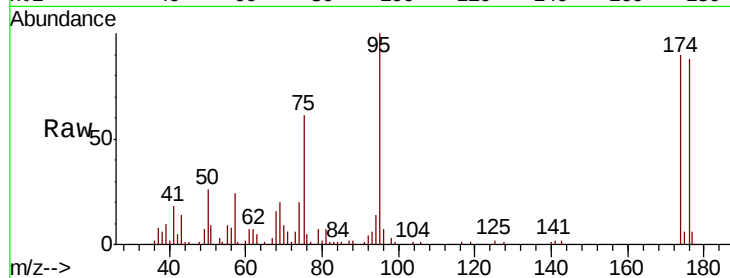
RT: 11.93 min Scan# 1190

Delta R.T. 0.09 min

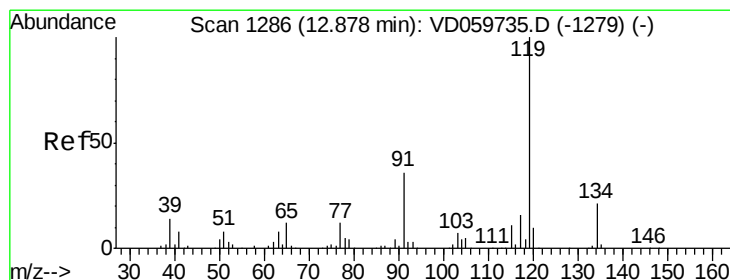
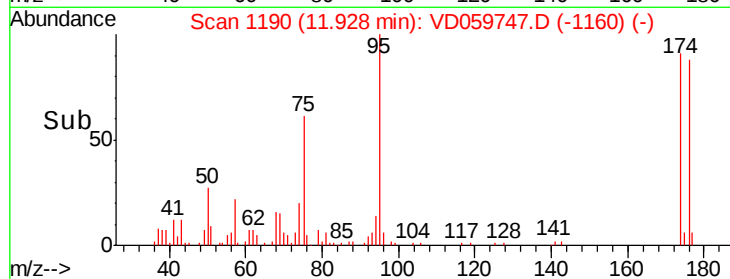
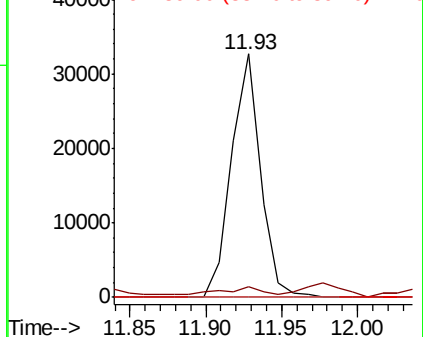
Lab File: VD059747.D

Acq: 13 Aug 2018 21:38

Tgt Ion:	75	Resp:	43392
Ion	Ratio	Lower	Upper
75	100		
53	4.2	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



#86

p-Isopropyltoluene

Concen: 2.055 ug/l

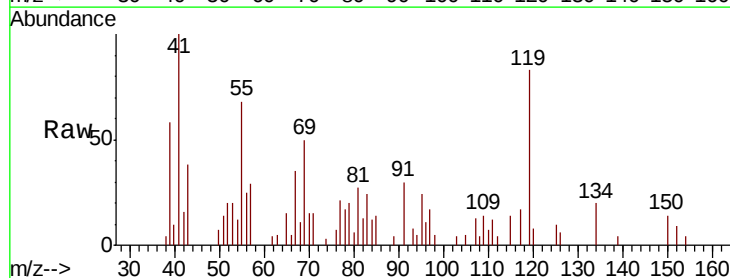
RT: 12.88 min Scan# 1287

Delta R.T. 0.00 min

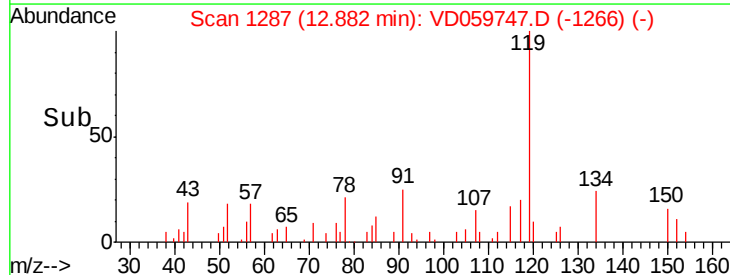
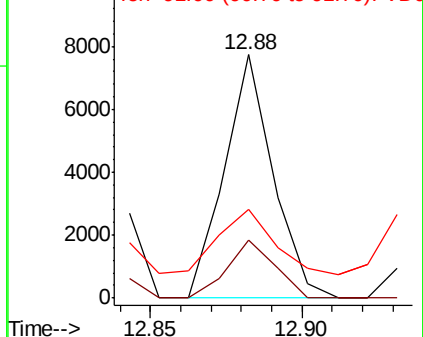
Lab File: VD059747.D

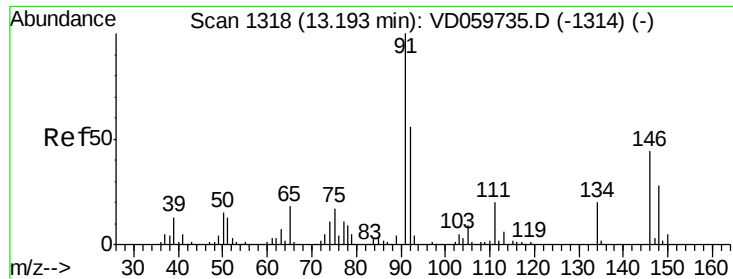
Acq: 13 Aug 2018 21:38

Tgt Ion:	119	Resp:	8692
Ion	Ratio	Lower	Upper
119	100		
134	23.6	10.5	31.6
91	36.2	17.9	53.7



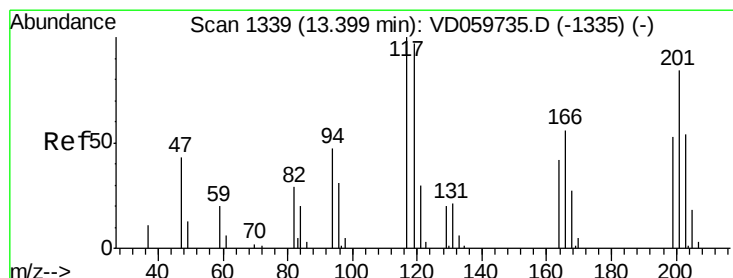
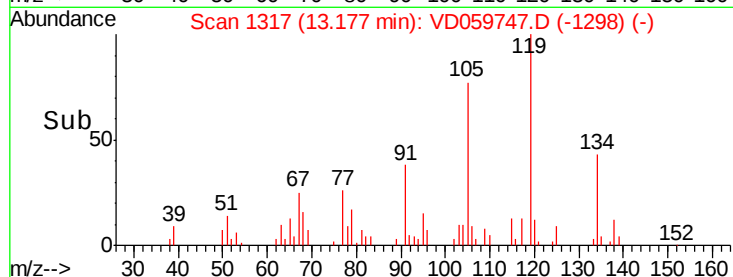
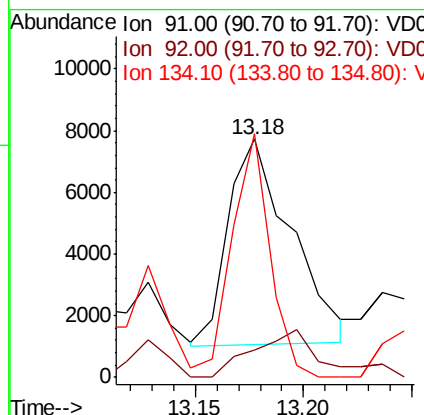
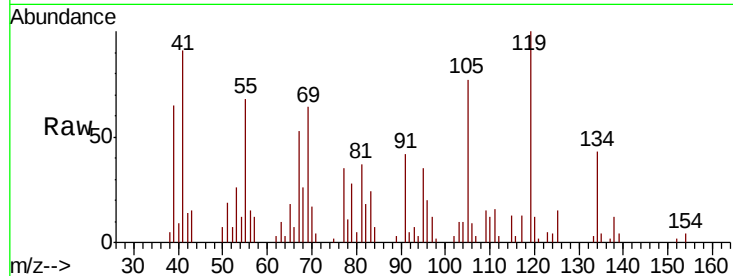
Abundance Ion 119.05 (118.75 to 119.75): VDC
Ion 134.10 (133.80 to 134.80): VDC
Ion 91.00 (90.70 to 91.70): VDC





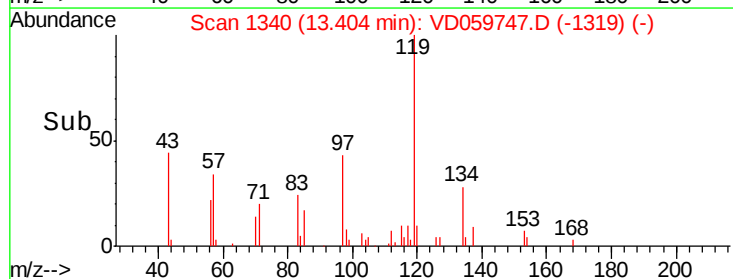
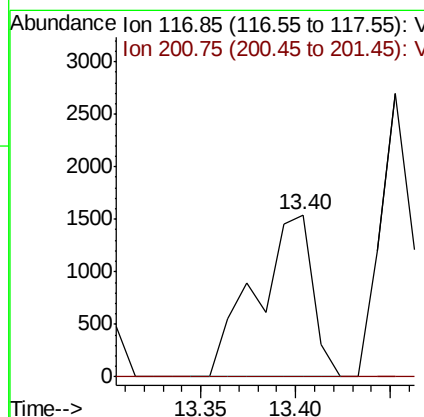
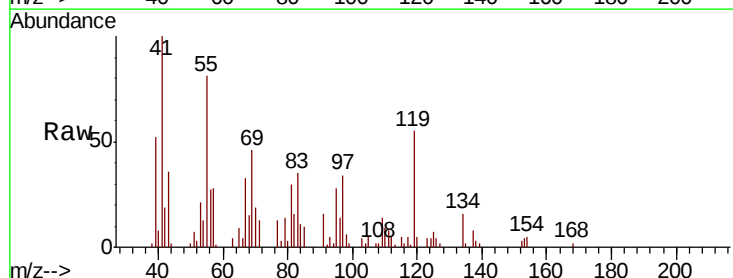
#89
n-Butylbenzene
Concen: 3.226 ug/l
RT: 13.18 min Scan# 1317
Delta R.T. -0.02 min
Lab File: VD059747.D
Acq: 13 Aug 2018 21:38

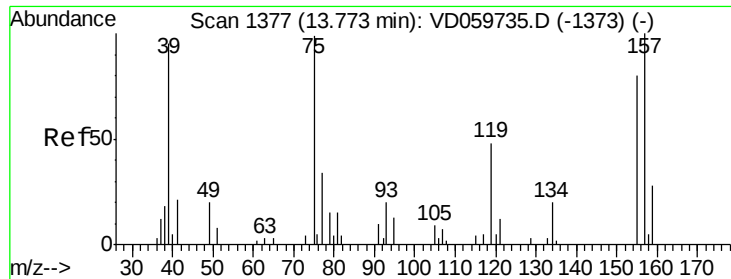
Tgt Ion: 91 Resp: 13492
Ion Ratio Lower Upper
91 100
92 11.3 28.1 84.4#
134 102.3 10.3 30.8#



#90
Hexachloroethane
Concen: 2.885 ug/l
RT: 13.40 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VD059747.D
Acq: 13 Aug 2018 21:38

Tgt Ion: 117 Resp: 3166
Ion Ratio Lower Upper
117 100
201 0.0 41.9 125.7#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.132 ug/l

RT: 13.78 min Scan# 1378

Delta R.T. 0.00 min

Lab File: VD059747.D

Acq: 13 Aug 2018 21:38

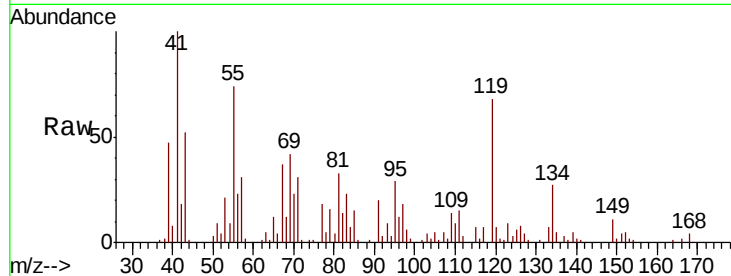
Tgt Ion: 75 Resp: 241

Ion Ratio Lower Upper

75 100

155 0.0 40.4 121.1#

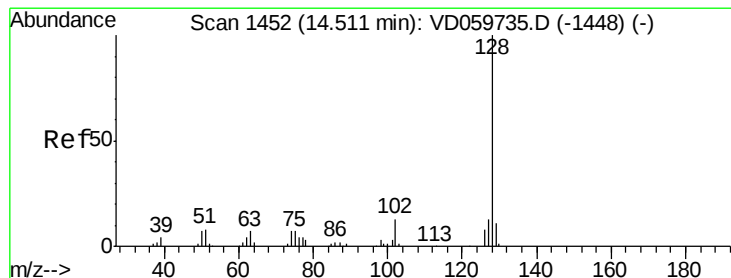
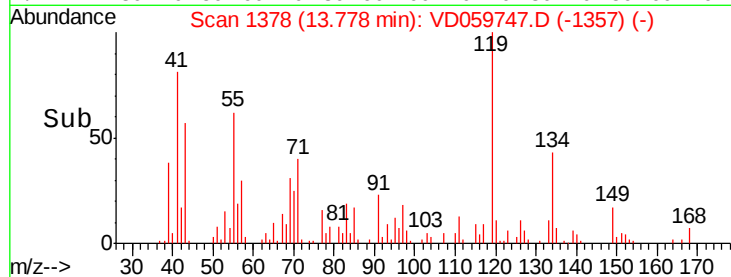
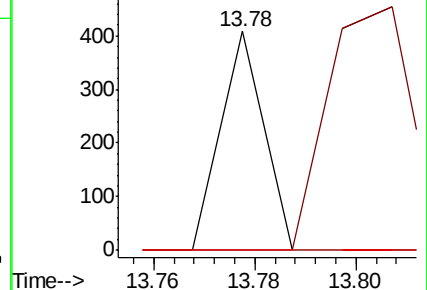
157 0.0 50.5 151.6#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V



#95

Naphthalene

Concen: 3.062 ug/l

RT: 14.51 min Scan# 1452

Delta R.T. -0.01 min

Lab File: VD059747.D

Acq: 13 Aug 2018 21:38

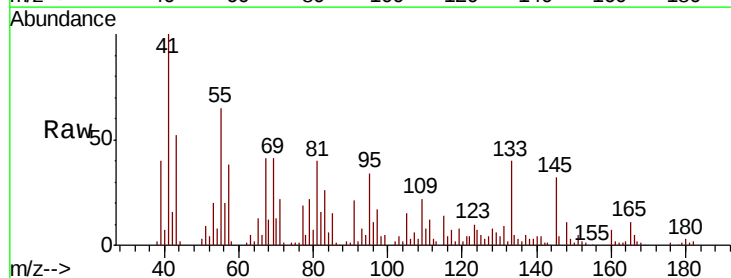
Tgt Ion: 128 Resp: 7706

Ion Ratio Lower Upper

128 100

127 42.6 10.4 15.6#

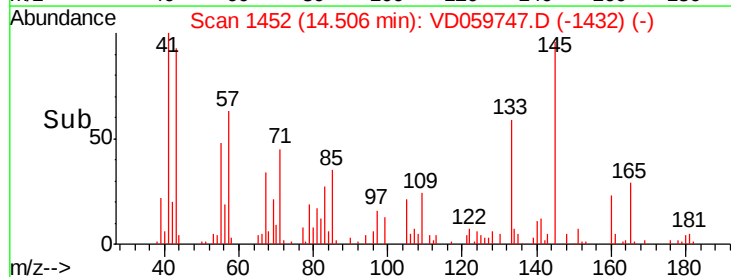
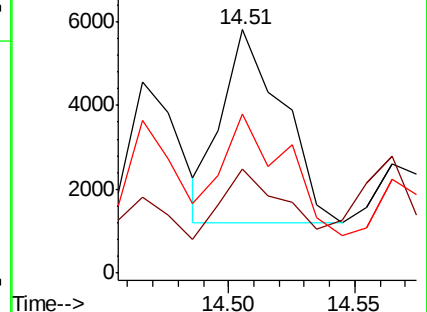
129 65.2 8.9 13.3#

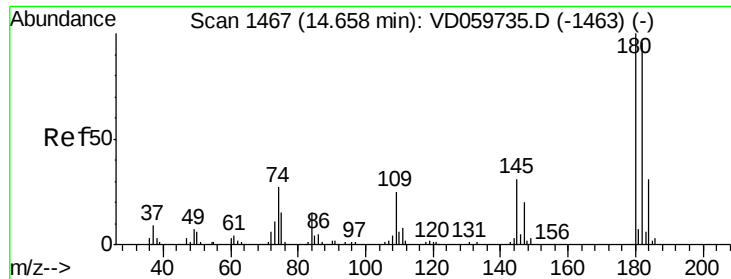


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

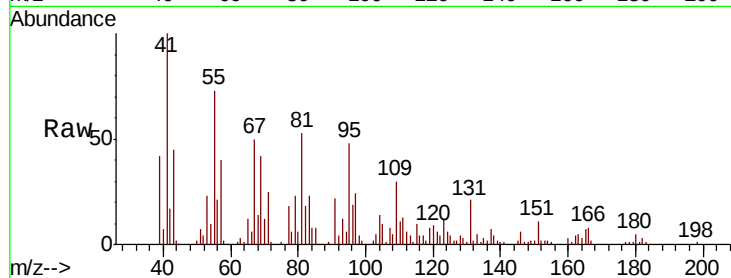
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 1.657 ug/l
 RT: 14.57 min Scan# 1459
 Delta R.T. -0.08 min
 Lab File: VD059747.D
 Acq: 13 Aug 2018 21:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	50.7	48.1	144.4
145	42.6	15.4	46.4



Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

