

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062918\
 Data File : VD059501.D
 Acq On : 29 Jun 2018 19:40
 Operator : VA/AP
 Sample : J3761-02RE
 Misc : 7.49g/5ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

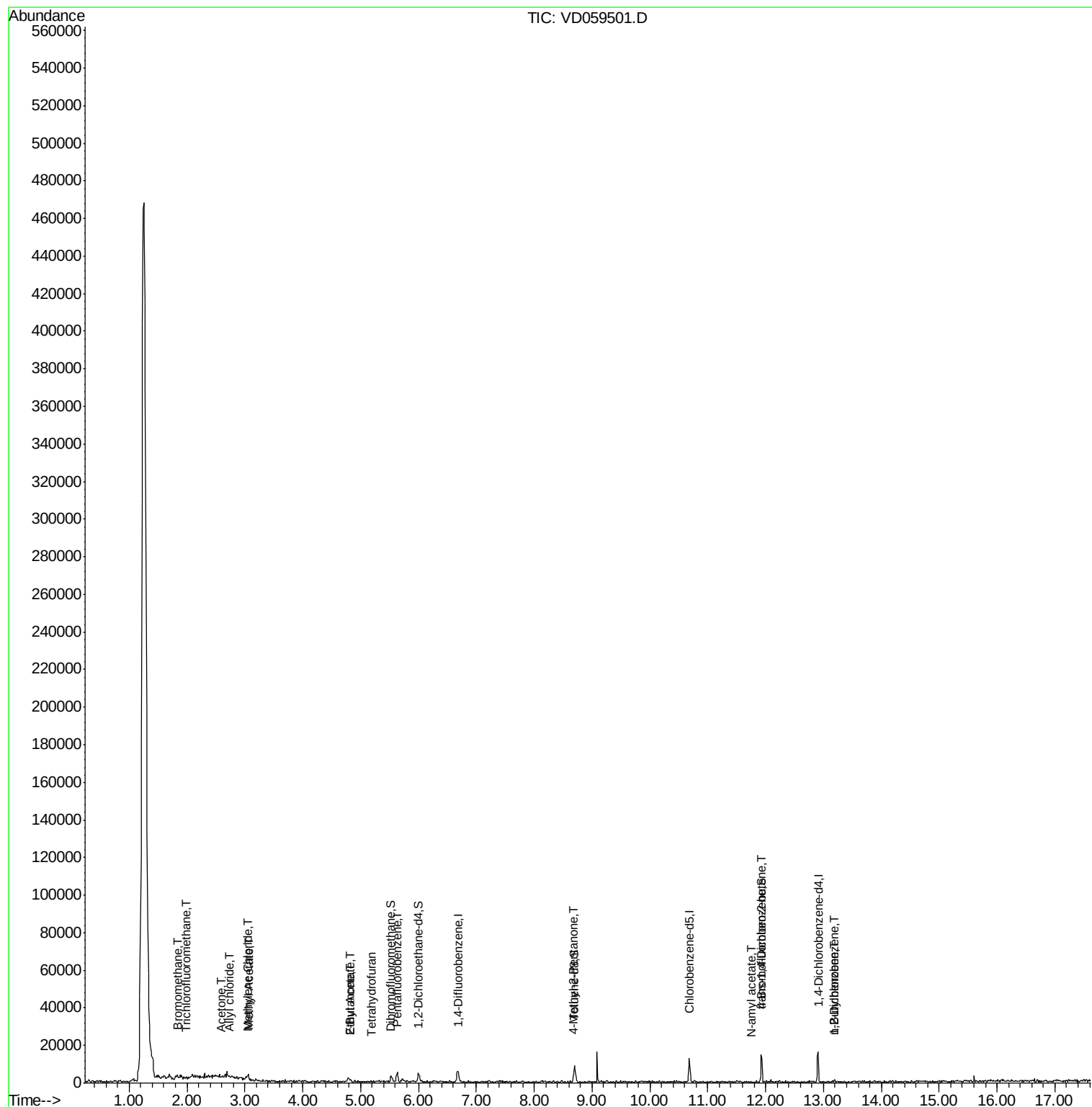
Quant Time: Jun 30 00:27:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 07:29:35 2018
 Response via : Initial Calibration

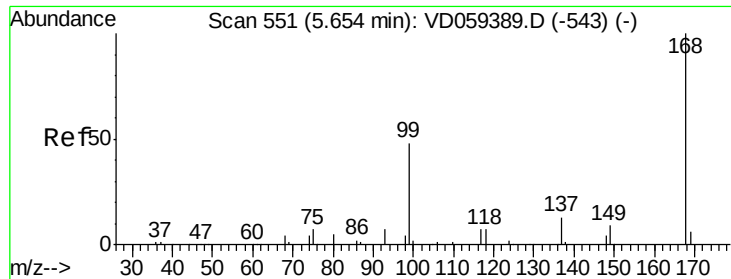
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	5824	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	6.68	114	8763	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	8611	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.91	152	3577	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.00	65	4985	83.70	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	167.40%	
35) Dibromofluoromethane	5.53	113	2975	41.68	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	83.36%	
50) Toluene-d8	8.69	98	7750	46.45	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	92.90%	
62) 4-Bromofluorobenzene	11.92	95	4646	66.94	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	133.88%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.83	94	790	84.509	ug/l #	4
7) Trichlorofluoromethane	1.98	101	187	4.636	ug/l #	17
14) Allyl chloride	2.74	41	185	4.212	ug/l #	11
16) Acetone	2.59	43	640	85.142	ug/l #	55
18) Methyl Acetate	3.05	43	194	8.836	ug/l #	66
20) Methylene Chloride	3.04	84	277	11.360	ug/l #	63
25) 2-Butanone	4.84	43	191	12.130	ug/l #	57
29) Tetrahydrofuran	5.18	42	183	21.247	ug/l #	37
37) Ethyl Acetate	4.84	43	191	3.945	ug/l #	69
51) 4-Methyl-2-Pentanone	8.67	43	191	4.715	ug/l #	42
74) N-amyl acetate	11.75	43	203	2.643	ug/l #	53
81) trans-1,4-Dichloro-2-buten	11.93	75	1619	144.369	ug/l #	1
89) n-Butylbenzene	13.19	91	264	1.582	ug/l #	31
91) 1,2-Dichlorobenzene	13.19	146	178	2.009	ug/l #	24

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 548

Delta R.T. -0.03 min

Lab File: VD059501.D

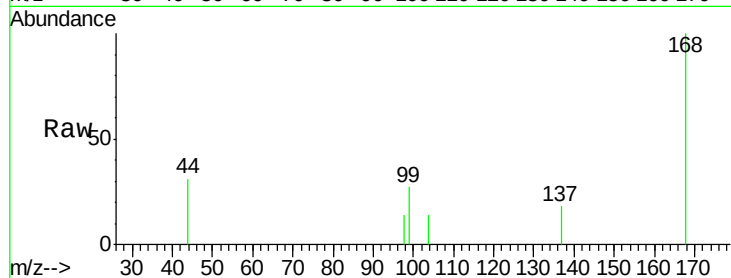
Acq: 29 Jun 2018 19:40

Tot Ion:168 Resp: 5824

Ion Ratio Lower Upper

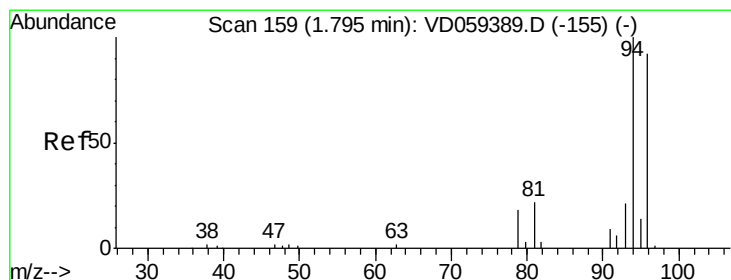
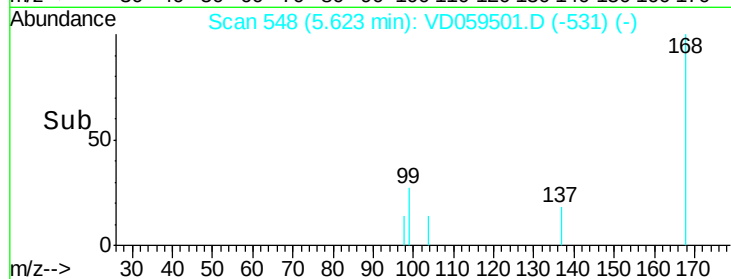
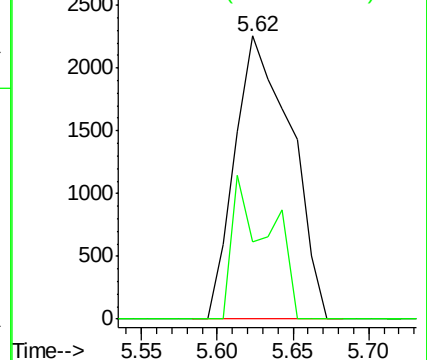
168 100

99 27.1 41.0 61.6#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 84.509 ug/l

RT: 1.83 min Scan# 163

Delta R.T. 0.04 min

Lab File: VD059501.D

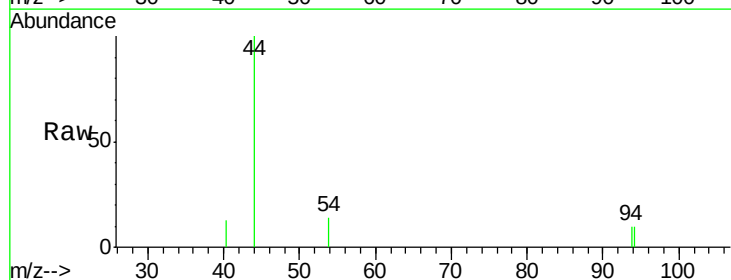
Acq: 29 Jun 2018 19:40

Tgt Ion: 94 Resp: 790

Ion Ratio Lower Upper

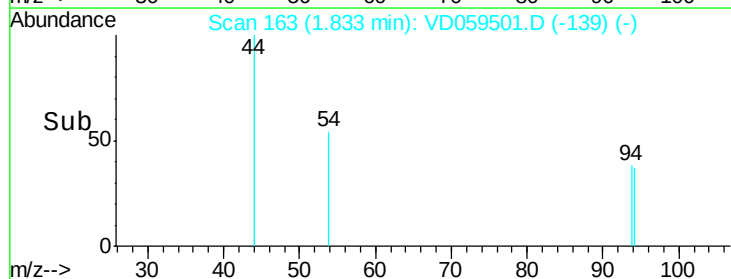
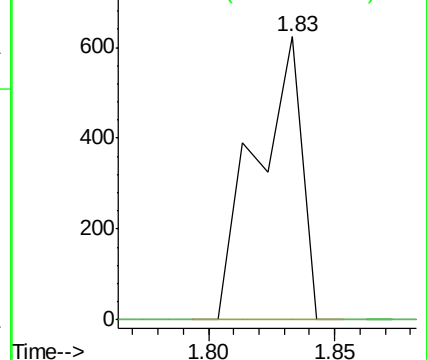
94 100

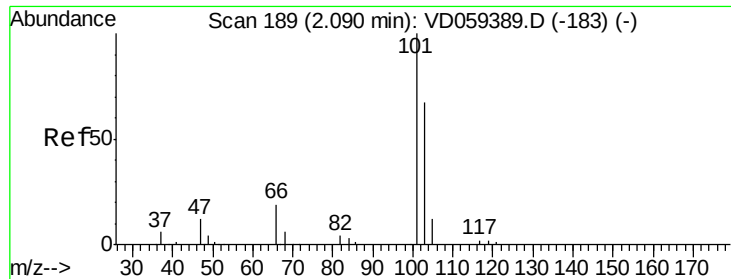
96 0.0 73.4 110.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

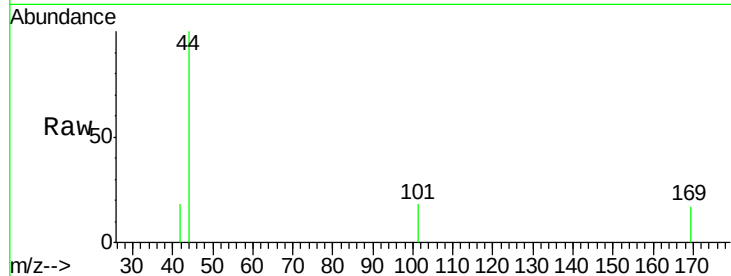




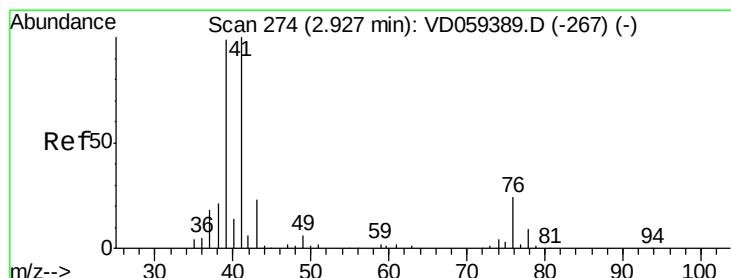
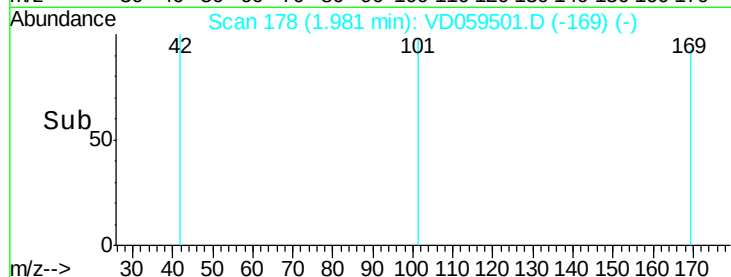
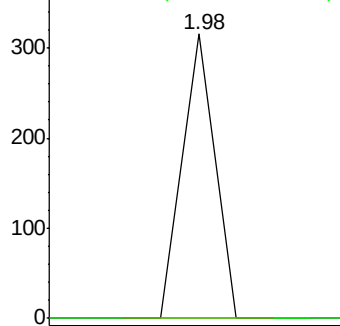
#7

Trichlorofluoromethane
Concen: 4.636 ug/l
RT: 1.98 min Scan# 178
Delta R.T. -0.11 min
Lab File: VD059501.D
Acq: 29 Jun 2018 19:40

Tot Ion: 101 Resp: 187
Ion Ratio Lower Upper
101 100
103 0.0 53.4 80.0#



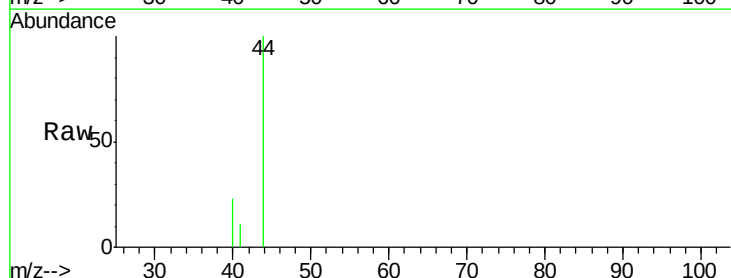
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



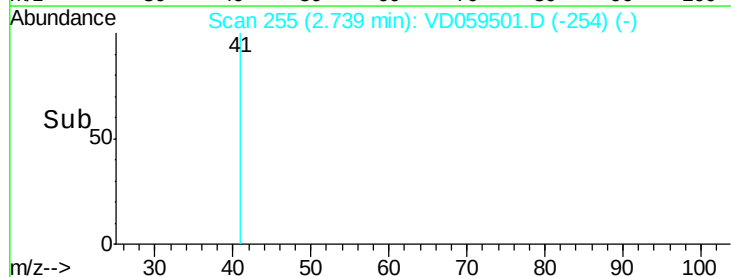
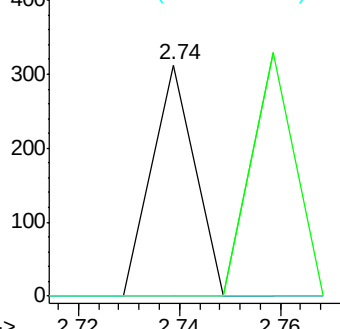
#14

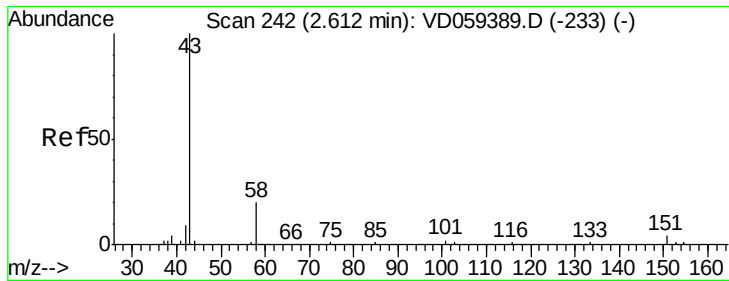
Allyl chloride
Concen: 4.212 ug/l
RT: 2.74 min Scan# 255
Delta R.T. -0.19 min
Lab File: VD059501.D
Acq: 29 Jun 2018 19:40

Tgt Ion: 41 Resp: 185
Ion Ratio Lower Upper
41 100
39 0.0 79.1 118.7#
76 0.0 21.9 32.9#



Abundance Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 75.95 (75.65 to 76.65): VDC





#16

Acetone

Concen: 85.142 ug/l

RT: 2.59 min Scan# 240

Delta R.T. -0.02 min

Lab File: VD059501.D

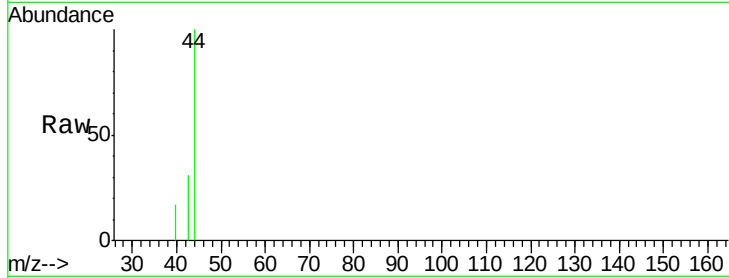
Acq: 29 Jun 2018 19:40

Tot Ion: 43 Resp: 640

Ion Ratio Lower Upper

43 100

58 0.0 16.8 25.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

2.59

600

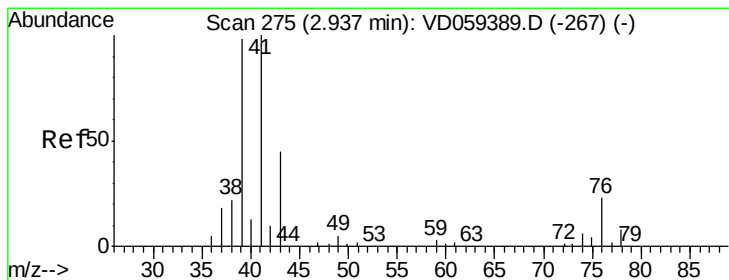
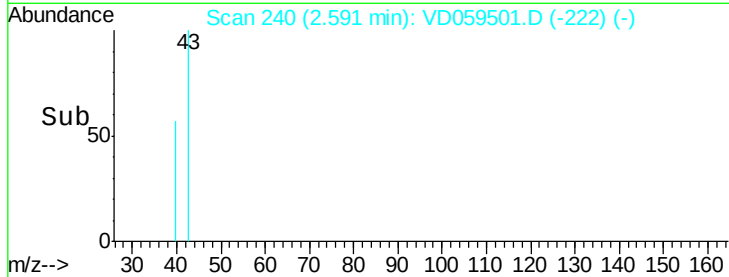
400

200

0

2.58 2.60 2.62

Time-->



#18

Methyl Acetate

Concen: 8.836 ug/l

RT: 3.05 min Scan# 287

Delta R.T. 0.12 min

Lab File: VD059501.D

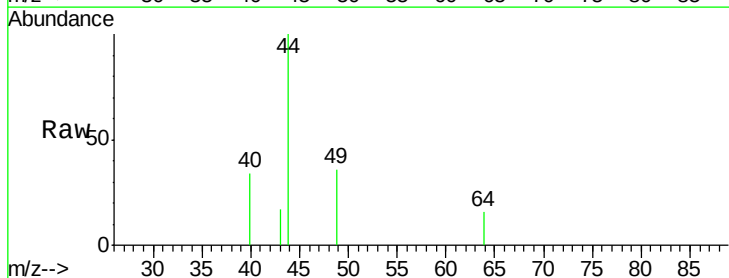
Acq: 29 Jun 2018 19:40

Tgt Ion: 43 Resp: 194

Ion Ratio Lower Upper

43 100

74 0.0 11.0 16.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.05

300

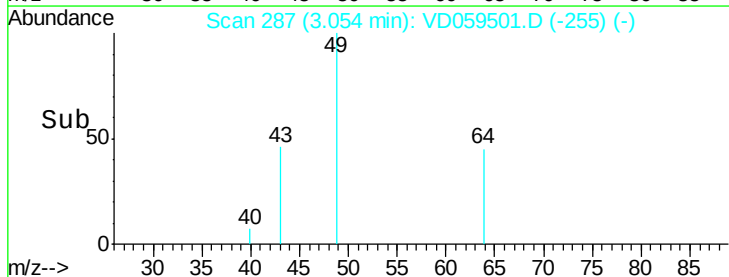
200

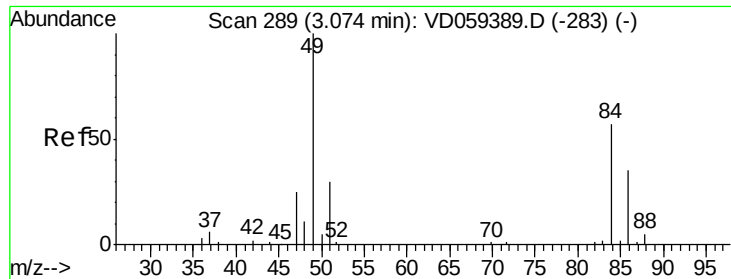
100

0

3.02 3.04 3.06 3.08

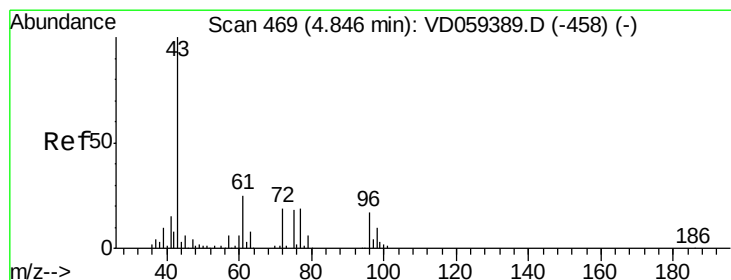
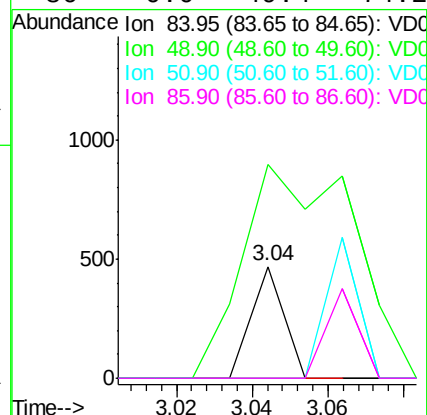
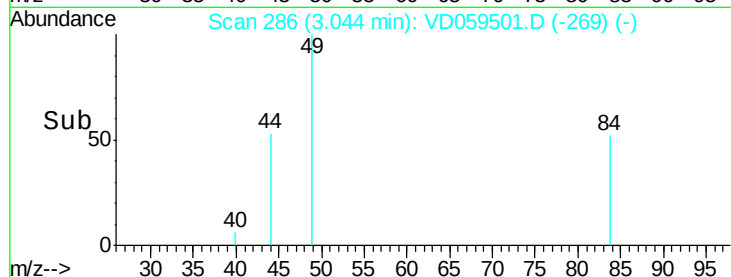
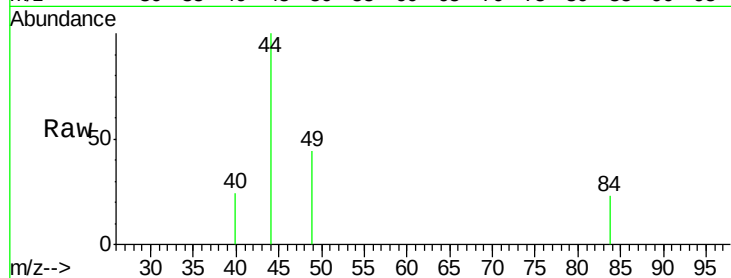
Time-->





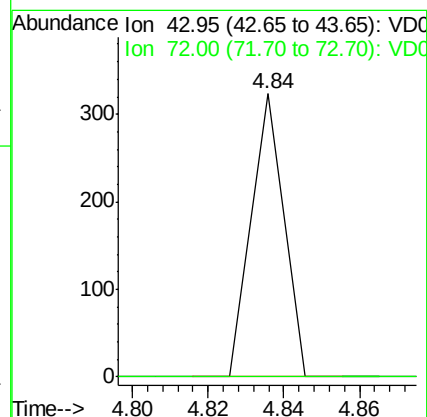
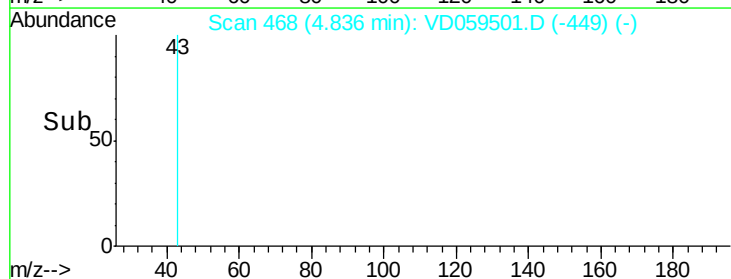
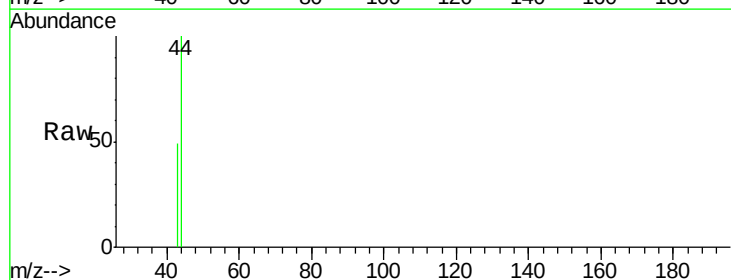
#20
Methylene Chloride
Concen: 11.360 ug/l
RT: 3.04 min Scan# 286
Delta R.T. -0.03 min
Lab File: VD059501.D
Acq: 29 Jun 2018 19:40

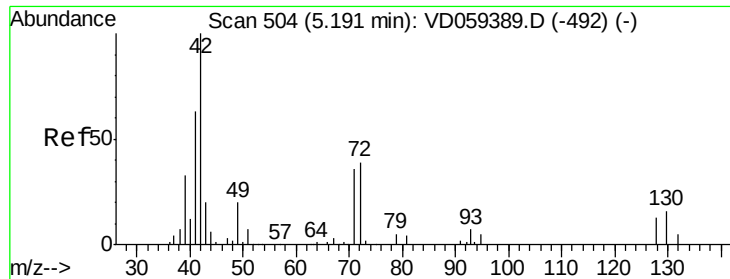
Tot Ion: 84 Resp: 277
Ion Ratio Lower Upper
84 100
49 191.0 140.3 210.5
51 0.0 41.6 62.4#
86 0.0 49.4 74.2#



#25
2-Butanone
Concen: 12.130 ug/l
RT: 4.84 min Scan# 468
Delta R.T. -0.01 min
Lab File: VD059501.D
Acq: 29 Jun 2018 19:40

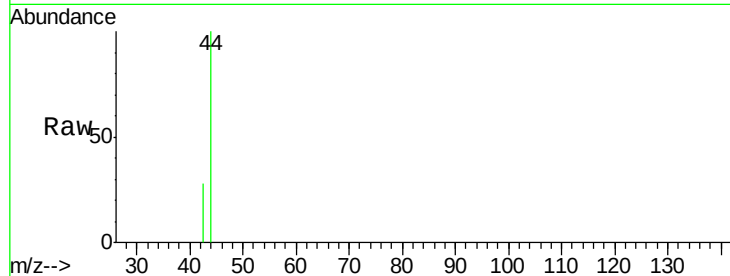
Tgt Ion: 43 Resp: 191
Ion Ratio Lower Upper
43 100
72 0.0 15.4 23.2#



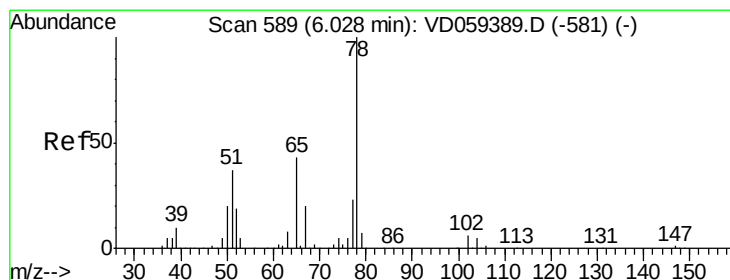
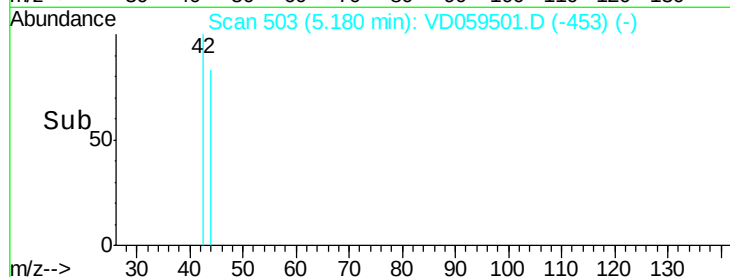
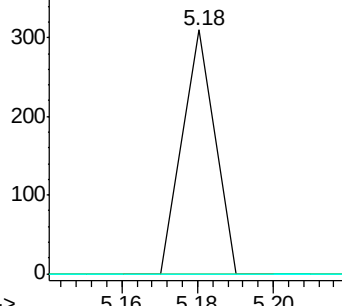


#29
Tetrahydrofuran
Concen: 21.247 ug/l
RT: 5.18 min Scan# 503
Delta R.T. -0.01 min
Lab File: VD059501.D
Acq: 29 Jun 2018 19:40

Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.4	47.2#
71	0.0	29.7	44.5#

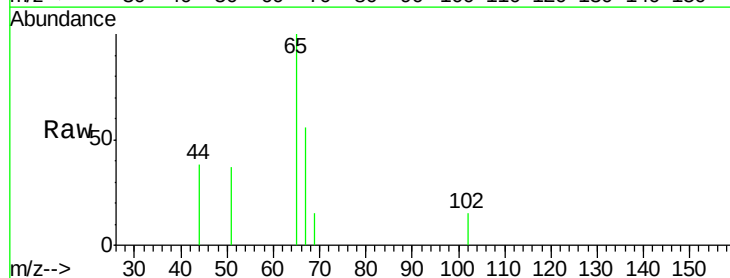


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

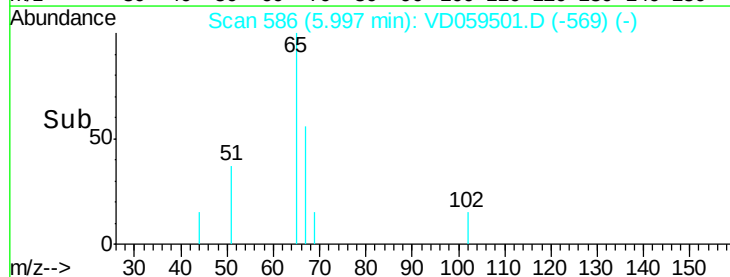
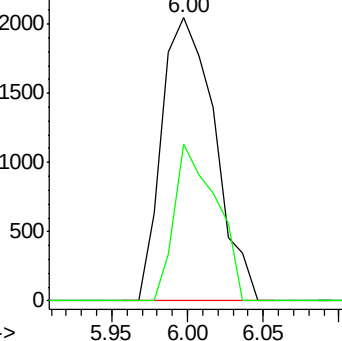


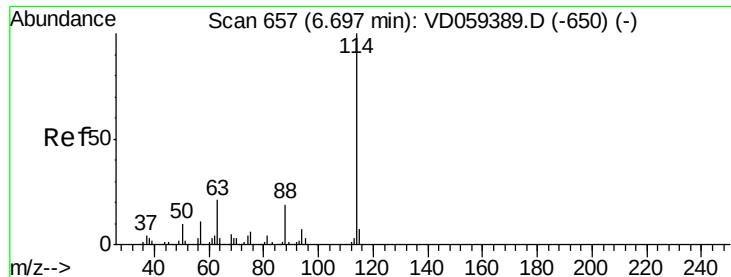
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.00 min Scan# 586
Delta R.T. -0.03 min
Lab File: VD059501.D
Acq: 29 Jun 2018 19:40

Tgt Ion	Ratio	Lower	Upper
65	100		
67	55.6	0.0	93.8



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: 6.68 min Scan# 655

Delta R.T. -0.02 min

Lab File: VD059501.D

Acq: 29 Jun 2018 19:40

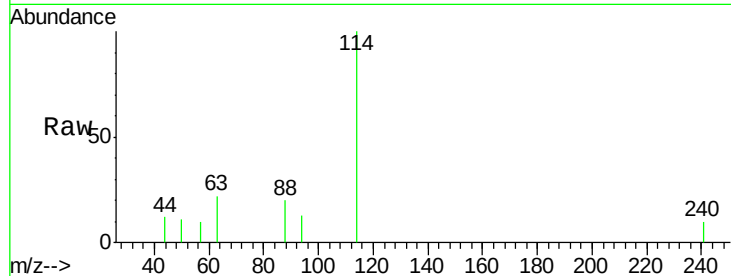
Tot Ion:114 Resp: 8763

Ion Ratio Lower Upper

114 100

63 21.6 0.0 42.4

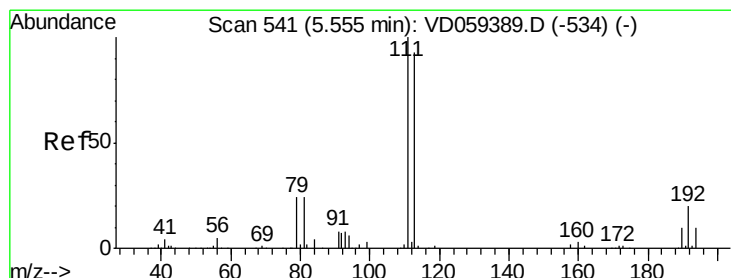
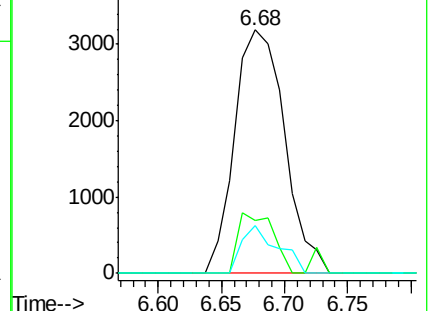
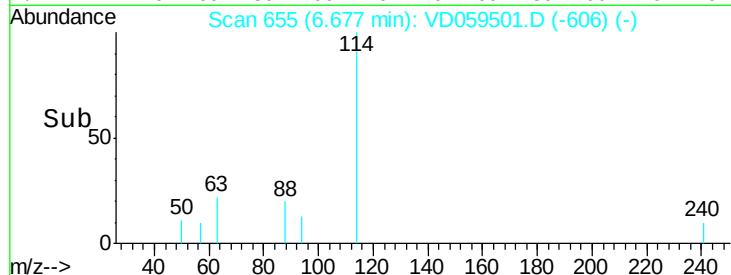
88 19.6 0.0 38.0



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# 539

Delta R.T. -0.02 min

Lab File: VD059501.D

Acq: 29 Jun 2018 19:40

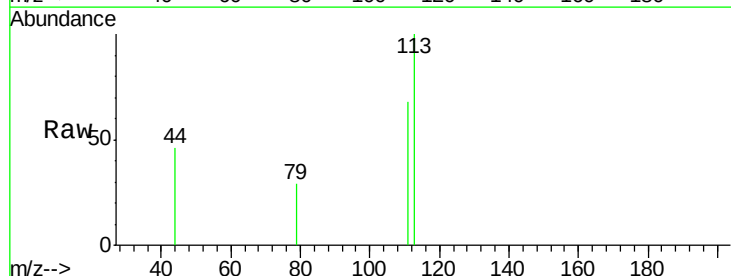
Tgt Ion:113 Resp: 2975

Ion Ratio Lower Upper

113 100

111 68.2 85.7 128.5#

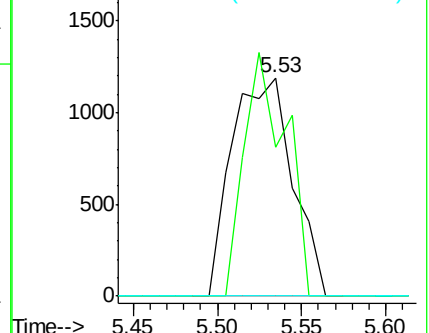
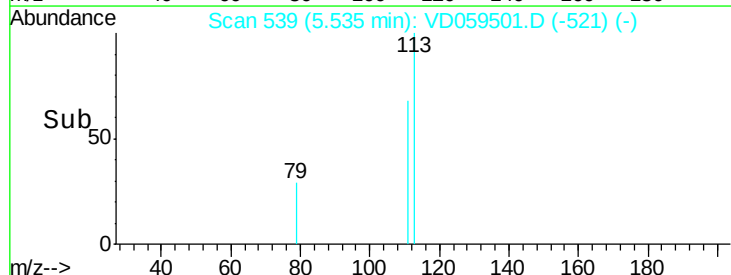
192 0.0 16.9 25.3#

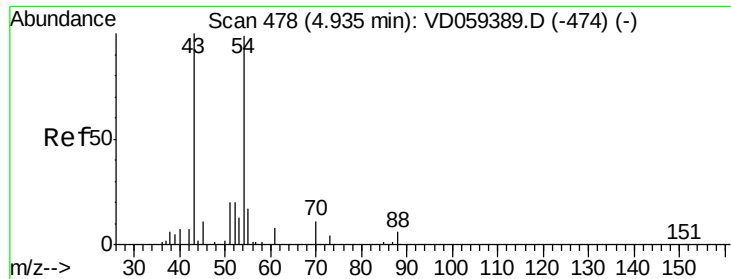


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

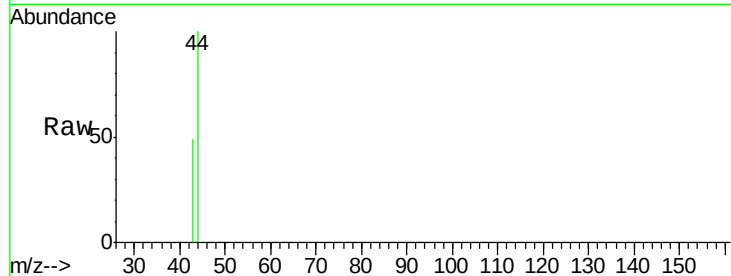
Ion 191.80 (191.50 to 192.50): V



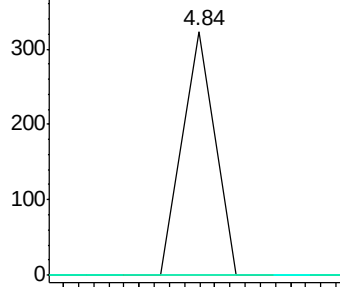


#37
Ethyl Acetate
Concen: 3.945 ug/l
RT: 4.84 min Scan# 468
Delta R.T. -0.10 min
Lab File: VD059501.D
Acq: 29 Jun 2018 19:40

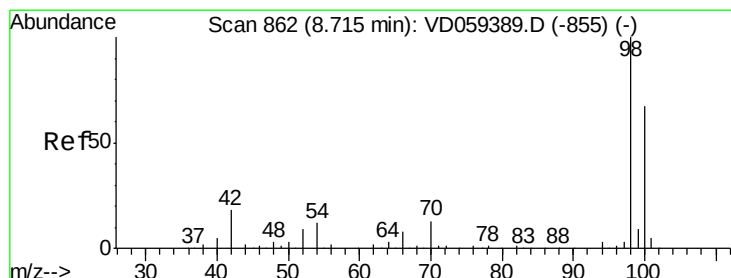
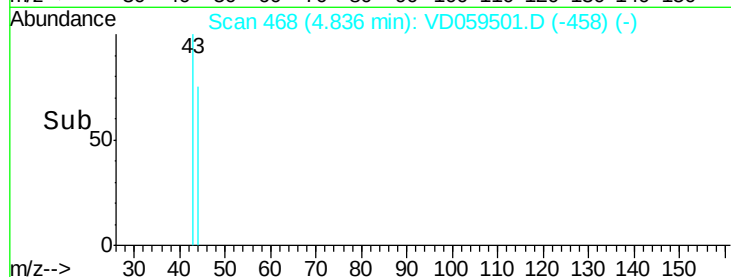
Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.8	17.8#
70	0.0	6.1	9.1#



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

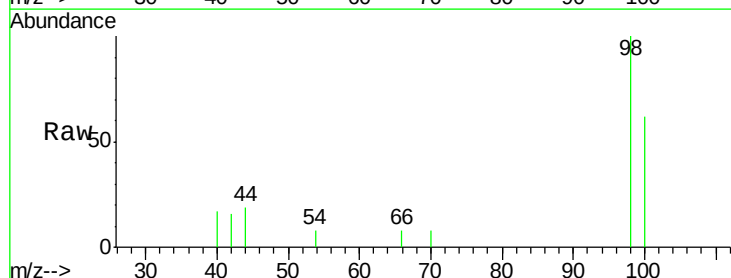


Time-->

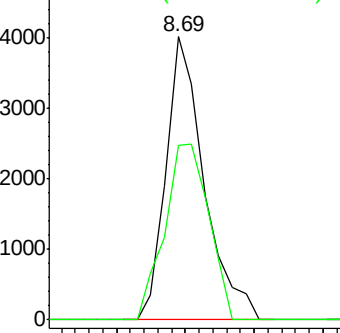


#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.69 min Scan# 860
Delta R.T. -0.02 min
Lab File: VD059501.D
Acq: 29 Jun 2018 19:40

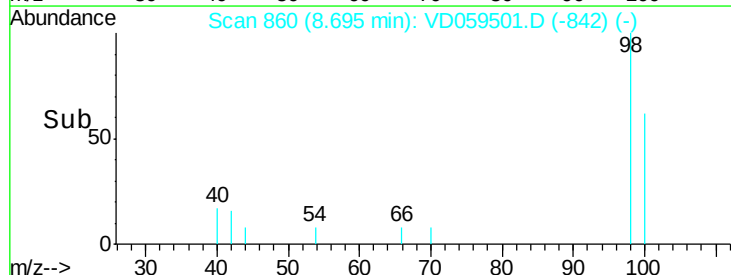
Tgt Ion	Ratio	Lower	Upper
98	100		
100	61.7	54.4	81.6

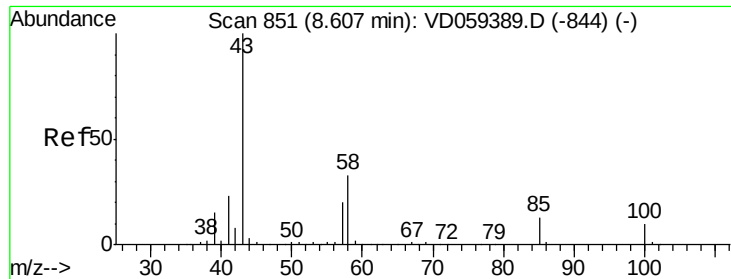


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC



Time-->





#51

4-Methyl-2-Pentanone

Concen: 4.715 ug/l

RT: 8.67 min Scan# 857

Delta R.T. 0.06 min

Lab File: VD059501.D

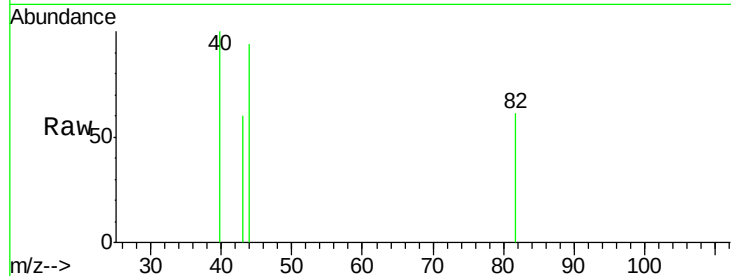
Acq: 29 Jun 2018 19:40

Tot Ion: 43 Resp: 191

Ion Ratio Lower Upper

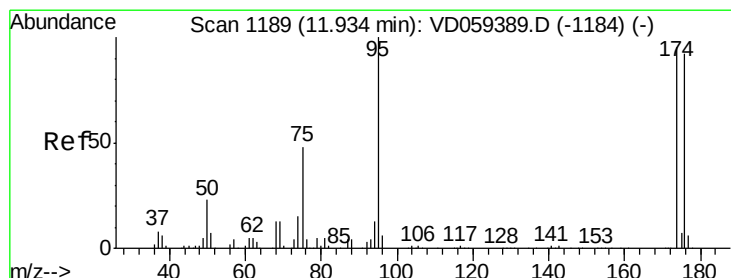
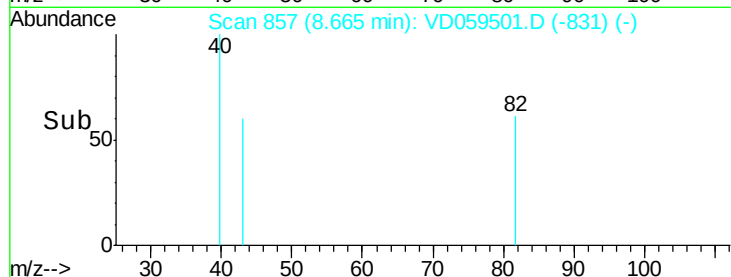
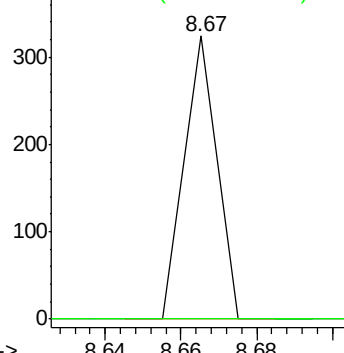
43 100

58 0.0 26.3 39.5#



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: 11.92 min Scan# 1188

Delta R.T. -0.01 min

Lab File: VD059501.D

Acq: 29 Jun 2018 19:40

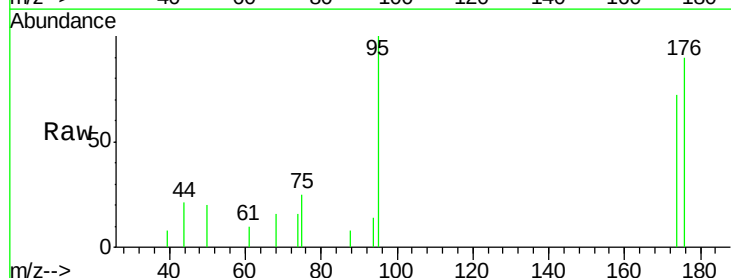
Tgt Ion: 95 Resp: 4646

Ion Ratio Lower Upper

95 100

174 72.0 0.0 190.4

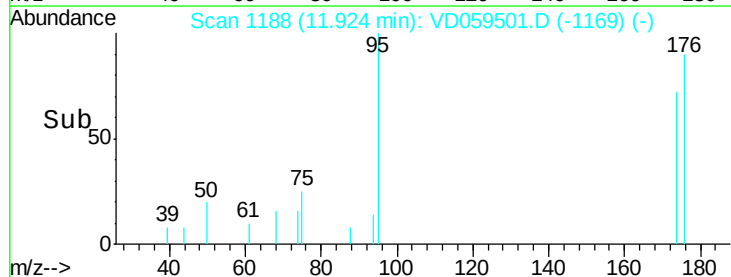
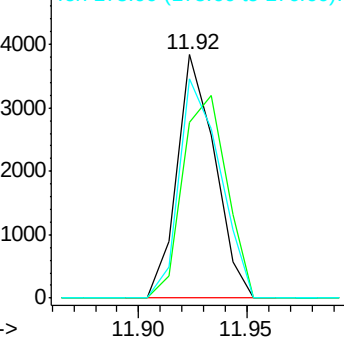
176 90.1 0.0 183.2

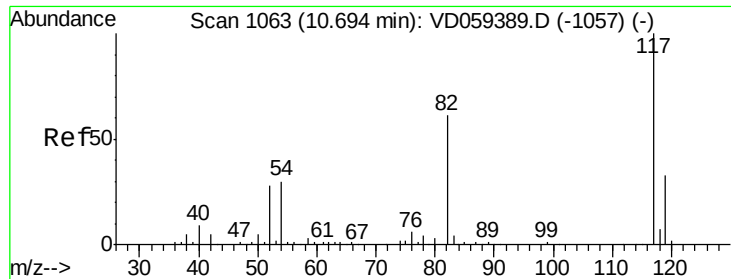


Abundance Ion 95.00 (94.70 to 95.70): VDC

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# 1062

Delta R.T. -0.01 min

Lab File: VD059501.D

Acq: 29 Jun 2018 19:40

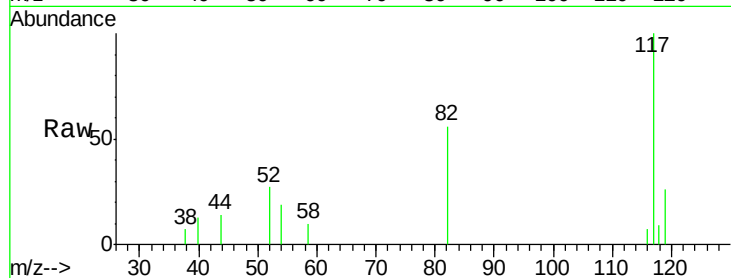
Tot Ion:117 Resp: 8611

Ion Ratio Lower Upper

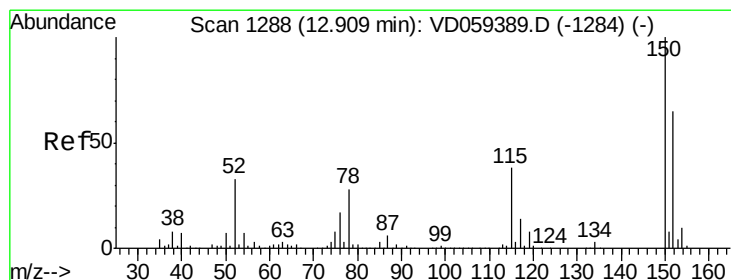
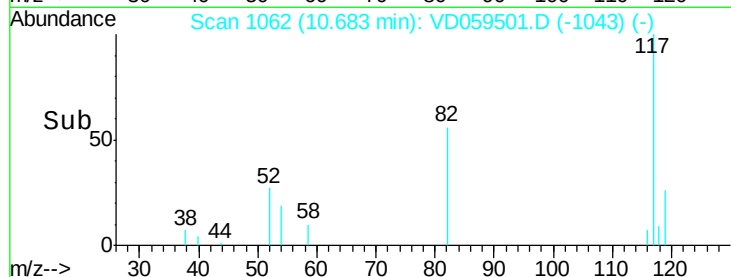
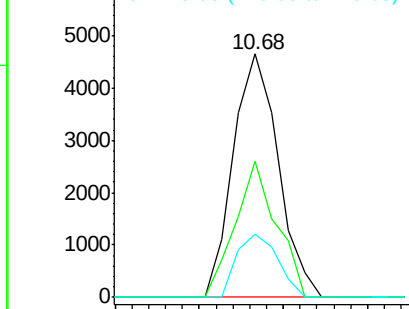
117 100

82 56.2 49.0 73.6

119 26.1 26.2 39.4#



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# 1288

Delta R.T. -0.00 min

Lab File: VD059501.D

Acq: 29 Jun 2018 19:40

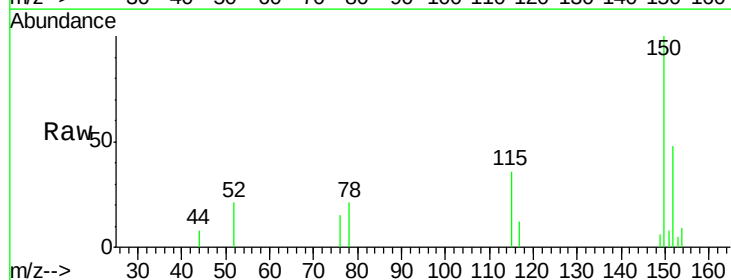
Tgt Ion:152 Resp: 3577

Ion Ratio Lower Upper

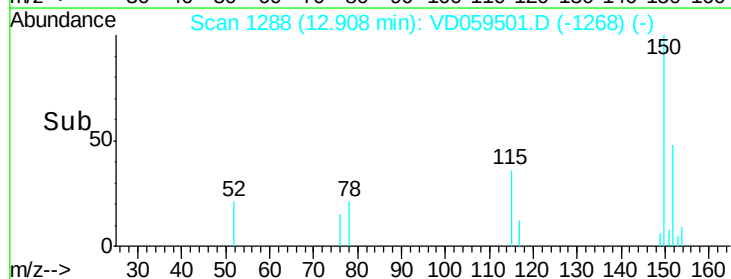
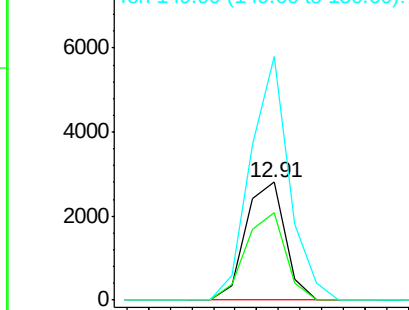
152 100

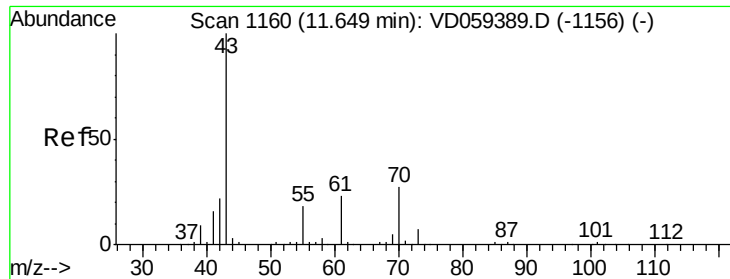
115 74.8 29.4 88.3

150 207.1 0.0 308.2



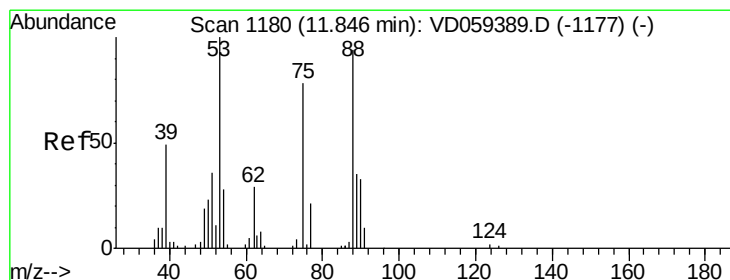
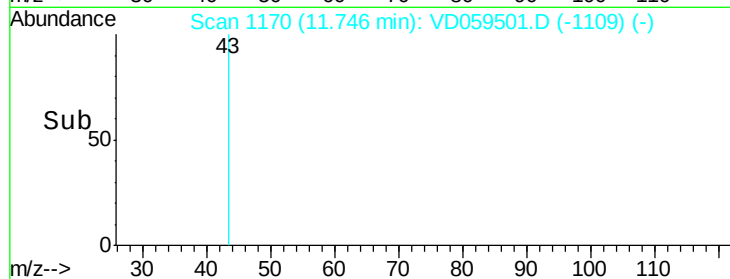
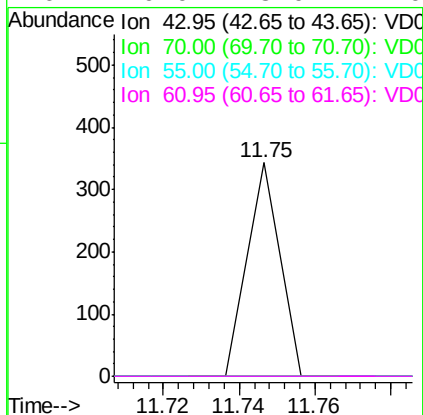
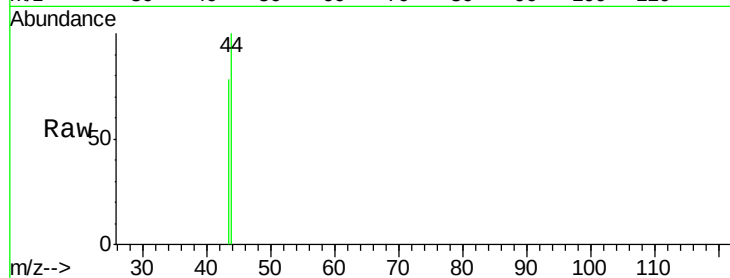
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





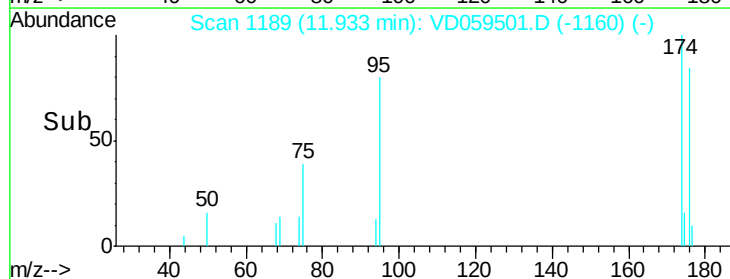
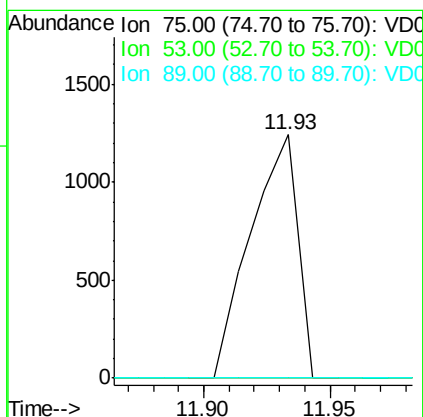
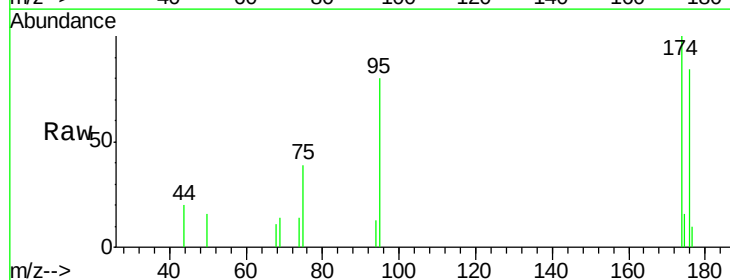
#74
N-amvl acetate
Concen: 2.643 ug/l
RT: 11.75 min Scan# 1170
Delta R.T. 0.10 min
Lab File: VD059501.D
Acq: 29 Jun 2018 19:40

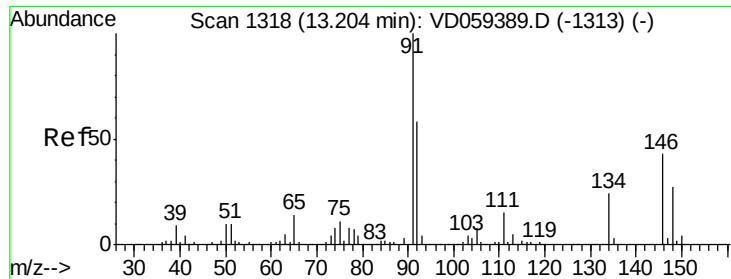
Tot Ion:	43	Resp:	203
Ion	Ratio	Lower	Upper
43	100		
70	0.0	21.7	32.5#
55	0.0	14.6	22.0#
61	0.0	18.0	27.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 144.369 ug/l
RT: 11.93 min Scan# 1189
Delta R.T. 0.09 min
Lab File: VD059501.D
Acq: 29 Jun 2018 19:40

Tgt Ion:	75	Resp:	1619
Ion	Ratio	Lower	Upper
75	100		
53	0.0	102.6	154.0#
89	0.0	35.9	53.9#





#89

n-Butylbenzene

Concen: 1.582 ug/l

RT: 13.19 min Scan# 1317

Delta R.T. -0.01 min

Lab File: VD059501.D

Acq: 29 Jun 2018 19:40

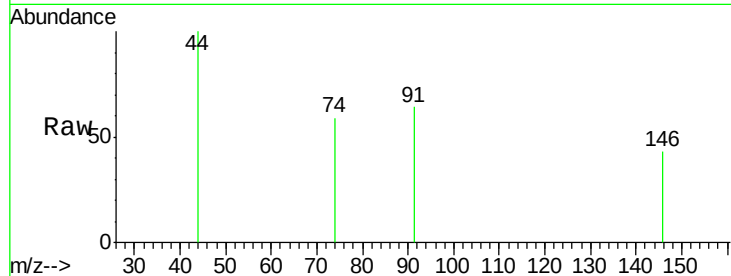
Tot Ion: 91 Resp: 264

Ion Ratio Lower Upper

91 100

92 0.0 28.8 86.5#

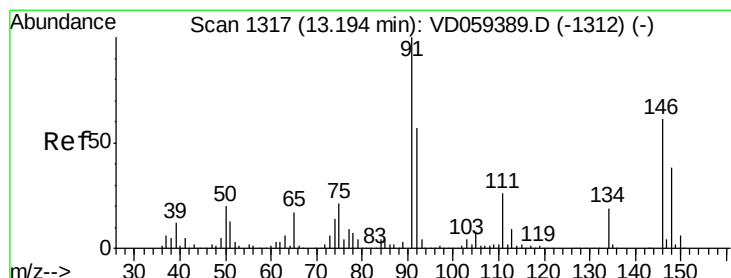
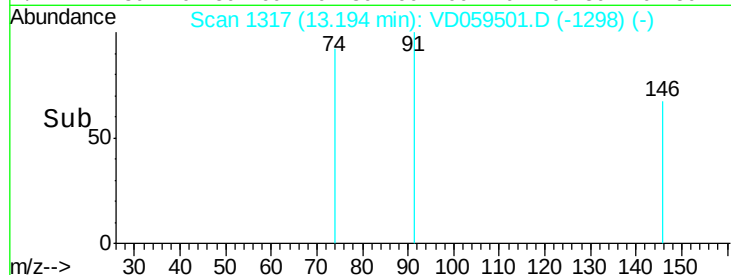
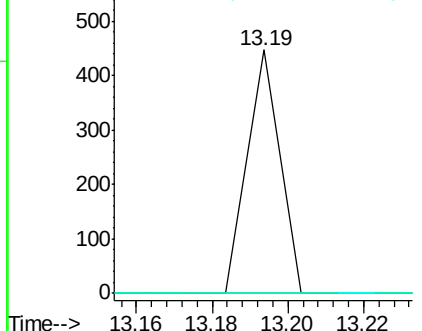
134 0.0 11.9 35.7#



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#91

1,2-Dichlorobenzene

Concen: 2.009 ug/l

RT: 13.19 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD059501.D

Acq: 29 Jun 2018 19:40

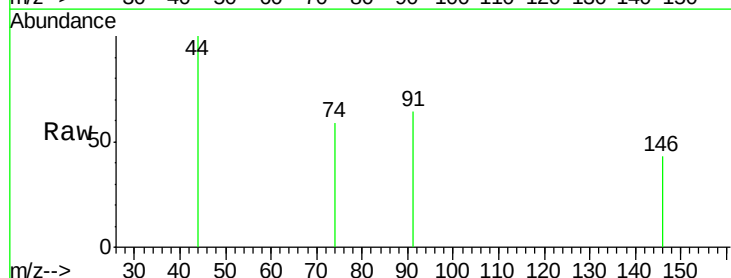
Tgt Ion: 146 Resp: 178

Ion Ratio Lower Upper

146 100

111 0.0 21.4 64.2#

148 0.0 31.6 95.0#



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

