

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062918\
 Data File : VD059503.D
 Acq On : 29 Jun 2018 20:37
 Operator : VA/AP
 Sample : J3774-02
 Misc : 5.39g/5ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 30 00:27:46 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	5.64	168	1040000	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.68	114	1357823	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.69	117	1086848	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	595442	50.00	ug/l	0.00

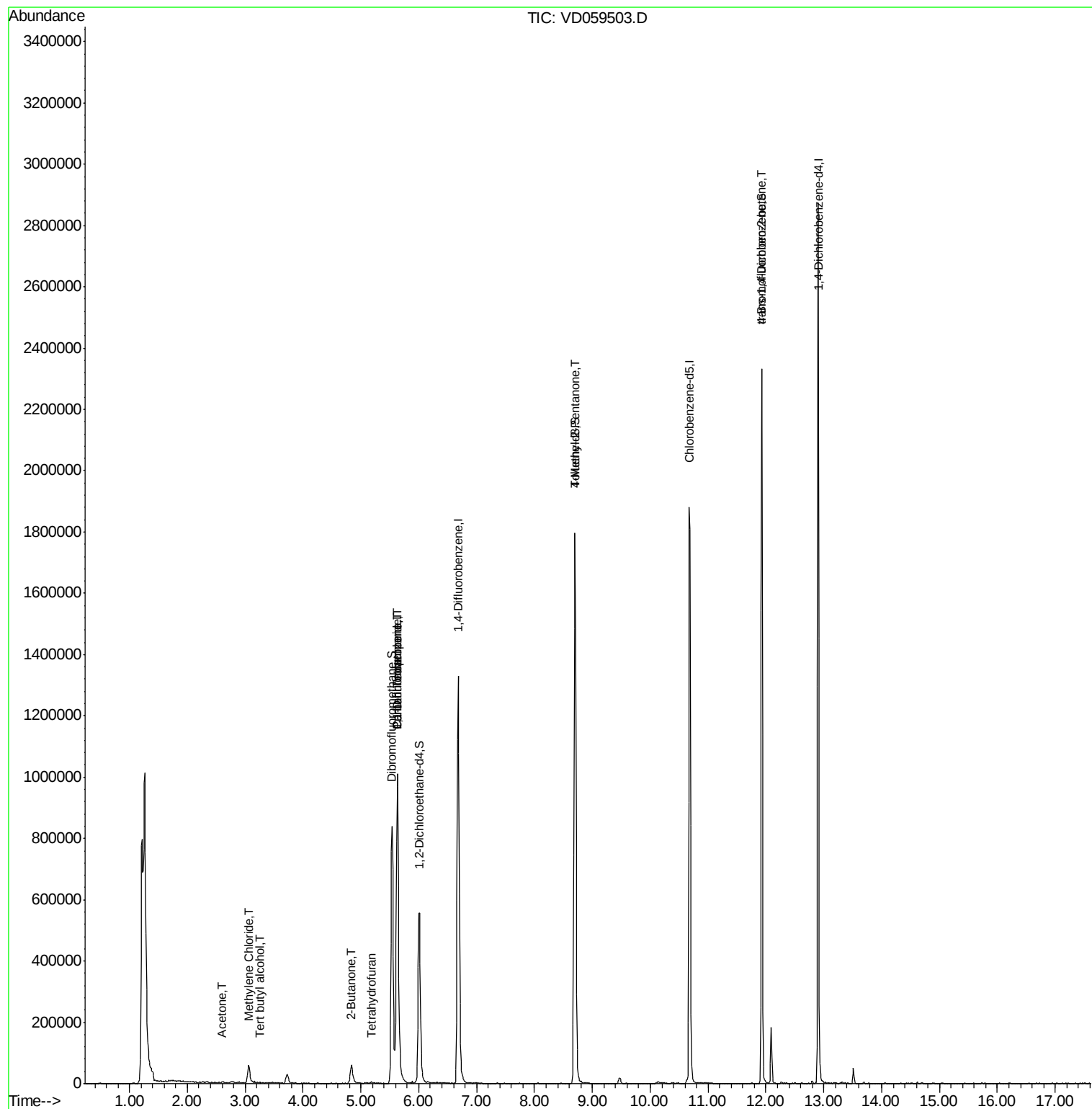
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	576895	54.24	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	108.48%	
35) Dibromofluoromethane	5.54	113	661061	59.77	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	119.54%	
50) Toluene-d8	8.70	98	1441591	55.76	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	111.52%	
62) 4-Bromofluorobenzene	11.93	95	595531	55.37	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	110.74%	

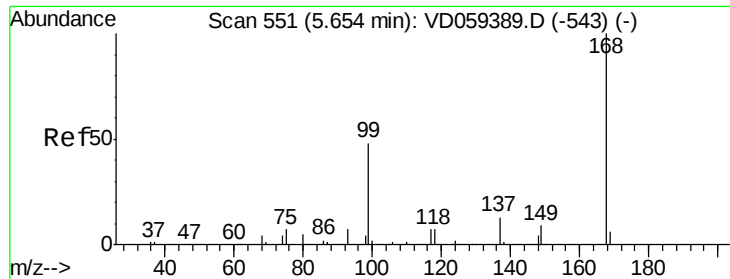
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.83	94	205	Below Cal	#	4
11) Tert butyl alcohol	3.25	59	436	1.185	ug/l #	72
16) Acetone	2.61	43	5744	4.279	ug/l #	87
18) Methyl Acetate	2.91	43	746	Below Cal	#	66
20) Methylene Chloride	3.06	84	28824	5.524	ug/l	91
25) 2-Butanone	4.84	43	5208	1.852	ug/l #	57
29) Tetrahydrofuran	5.17	42	2989	1.943	ug/l #	66
31) Cyclohexane	5.63	56	21846	Below Cal	#	1
36) 1,1-Dichloropropene	5.63	75	81743	6.636	ug/l #	52
38) Carbon Tetrachloride	5.64	117	81088	6.385	ug/l #	16
51) 4-Methyl-2-Pentanone	8.70	43	9849	1.569	ug/l #	1
81) trans-1,4-Dichloro-2-buten	11.93	75	302654	162.126	ug/l #	1

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.02 min

Lab File: VD059503.D

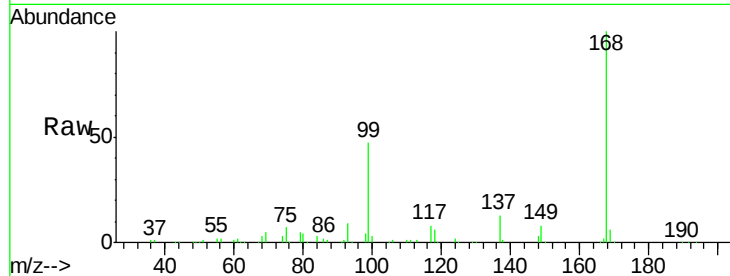
Acq: 29 Jun 2018 20:37

Tot Ion:168 Resp: 1040000

Ion Ratio Lower Upper

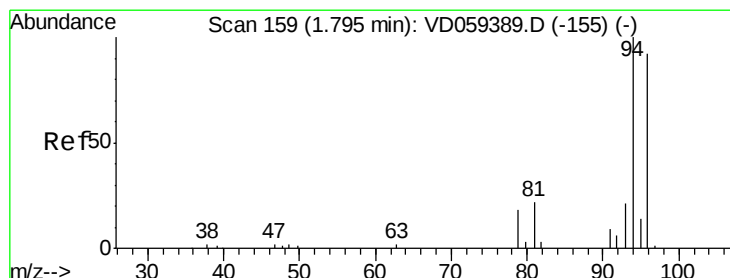
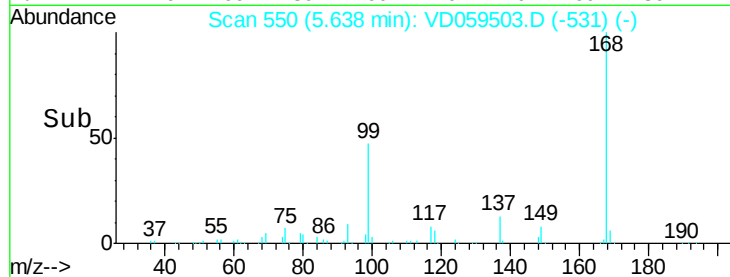
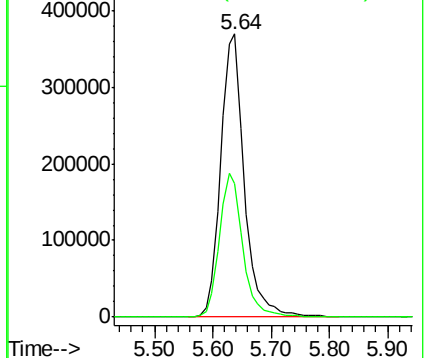
168 100

99 47.1 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: Below Cal

RT: 1.83 min Scan# 163

Delta R.T. 0.03 min

Lab File: VD059503.D

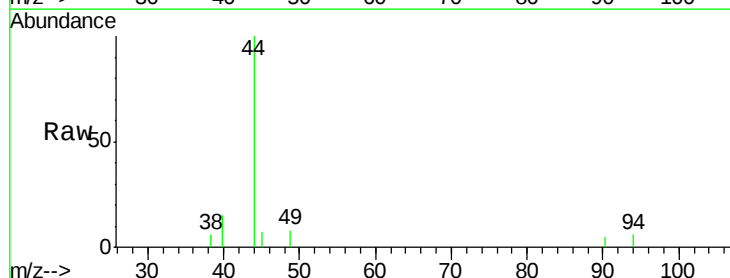
Acq: 29 Jun 2018 20:37

Tgt Ion: 94 Resp: 205

Ion Ratio Lower Upper

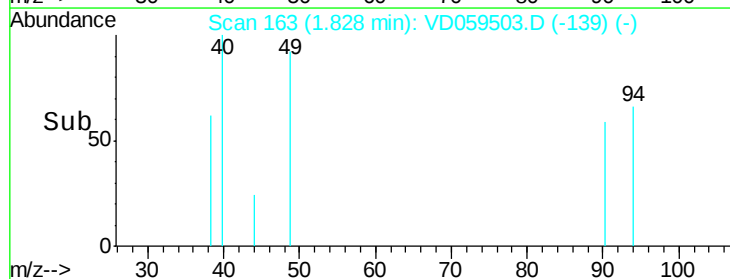
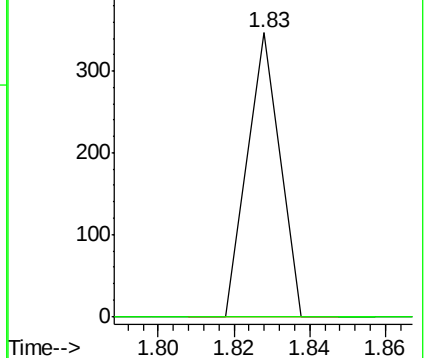
94 100

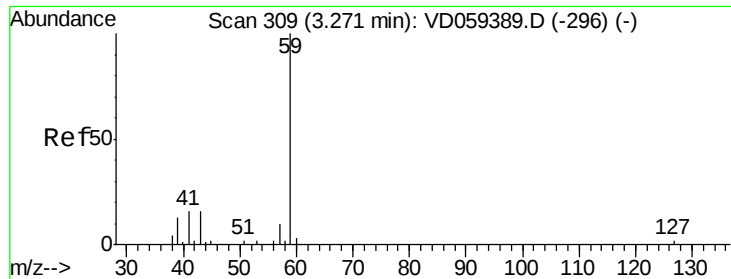
96 0.0 73.4 110.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

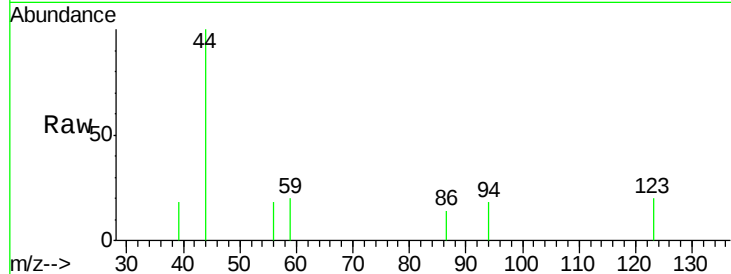




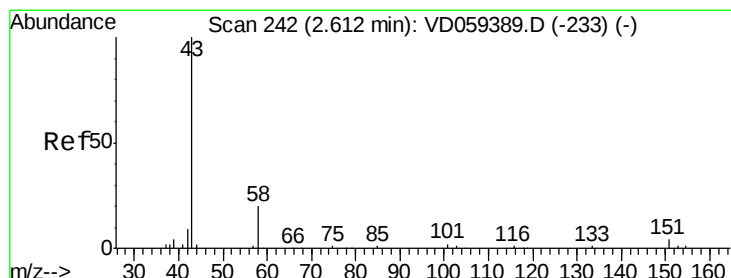
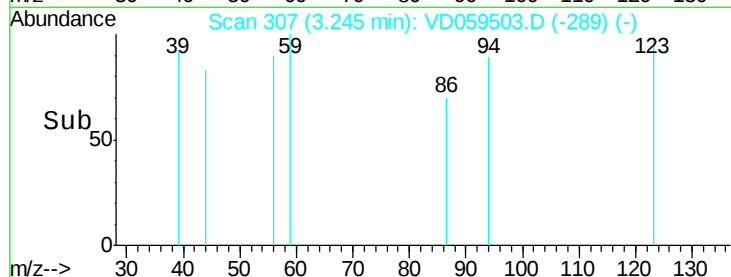
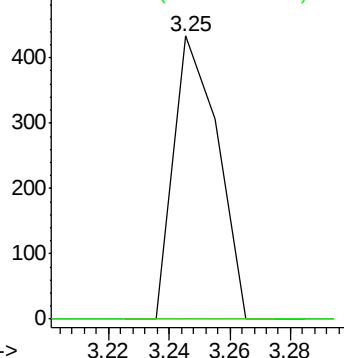
#11

Tert butyl alcohol
Concen: 1.185 ug/l
RT: 3.25 min Scan# 307
Delta R.T. -0.03 min
Lab File: VD059503.D
Acq: 29 Jun 2018 20:37

Tot Ion: 59 Resp: 436
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



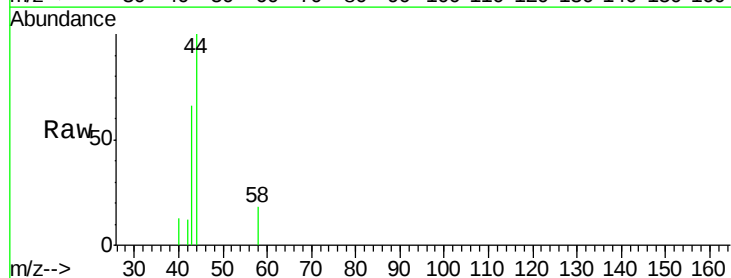
Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC



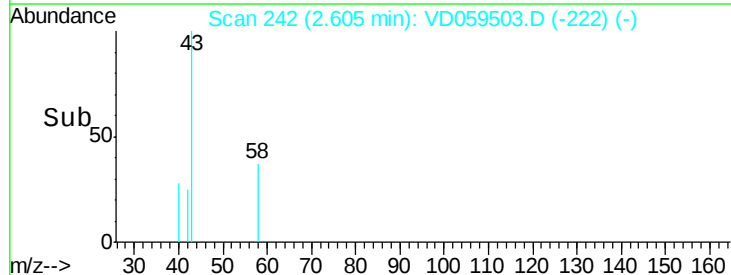
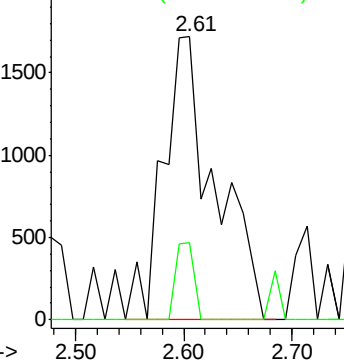
#16

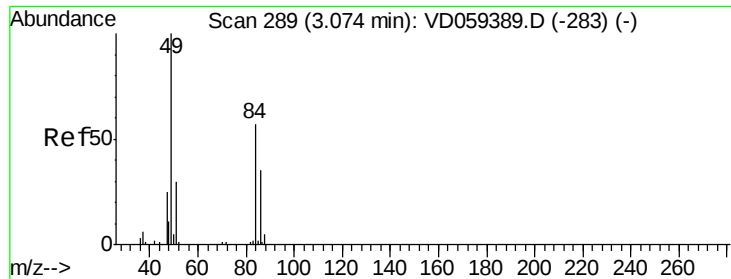
Acetone
Concen: 4.279 ug/l
RT: 2.61 min Scan# 242
Delta R.T. -0.01 min
Lab File: VD059503.D
Acq: 29 Jun 2018 20:37

Tgt Ion: 43 Resp: 5744
Ion Ratio Lower Upper
43 100
58 27.3 16.8 25.2#



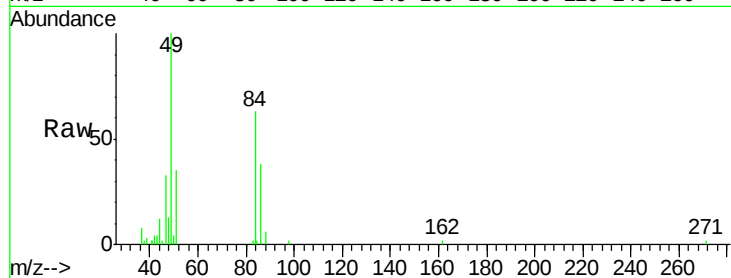
Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC



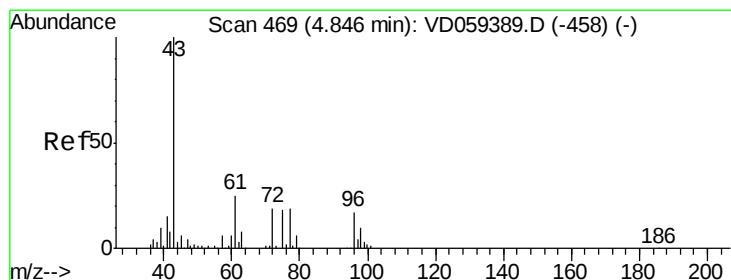
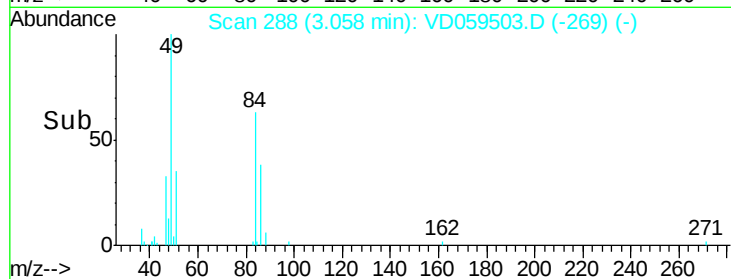
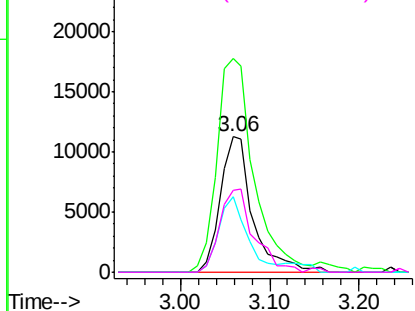


#20
Methvlene Chloride
Concen: 5.524 ug/l
RT: 3.06 min Scan# 288
Delta R.T. -0.02 min
Lab File: VD059503.D
Acq: 29 Jun 2018 20:37

Tot Ion: 84 Resp: 28824
Ion Ratio Lower Upper
84 100
49 157.5 140.3 210.5
51 55.4 41.6 62.4
86 60.1 49.4 74.2

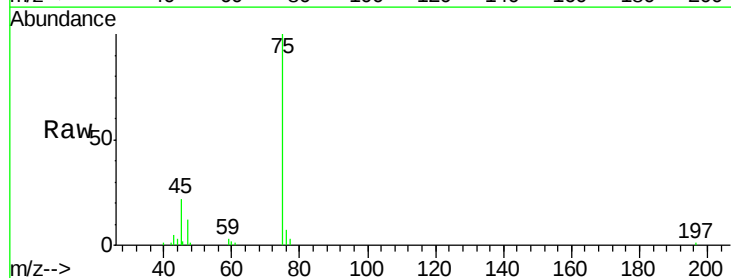


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

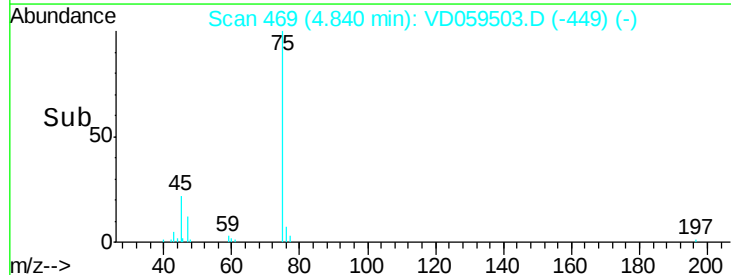
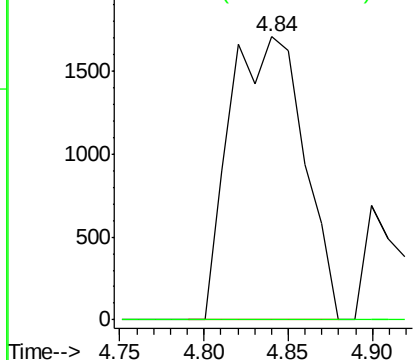


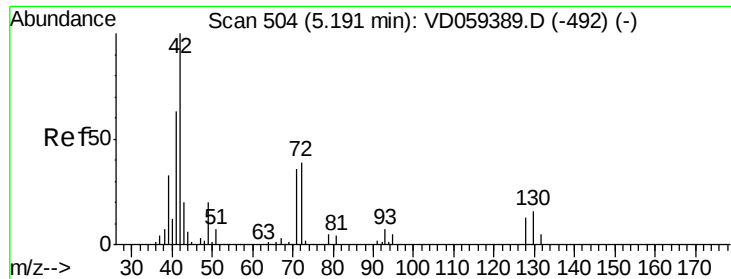
#25
2-Butanone
Concen: 1.852 ug/l
RT: 4.84 min Scan# 469
Delta R.T. -0.01 min
Lab File: VD059503.D
Acq: 29 Jun 2018 20:37

Tgt Ion: 43 Resp: 5208
Ion Ratio Lower Upper
43 100
72 0.0 15.4 23.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC





#29

Tetrahydrofuran

Concen: 1.943 ug/l

RT: 5.17 min Scan# 503

Delta R.T. -0.02 min

Lab File: VD059503.D

Acq: 29 Jun 2018 20:37

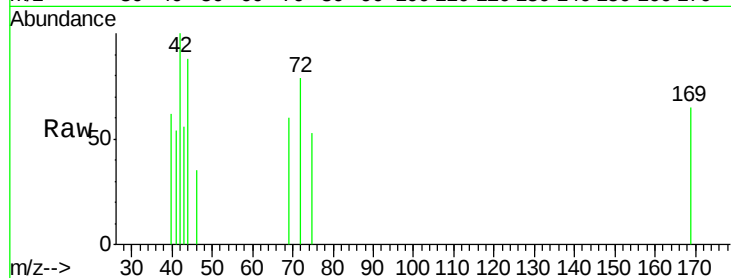
Tot Ion: 42 Resp: 2989

Ion Ratio Lower Upper

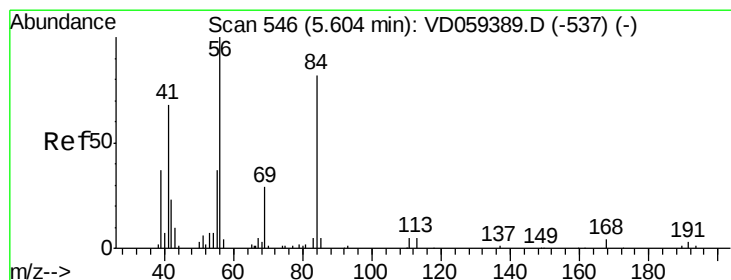
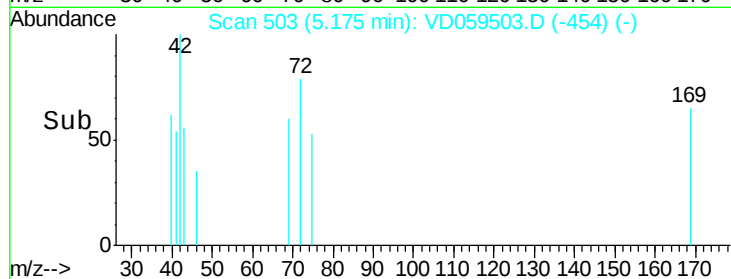
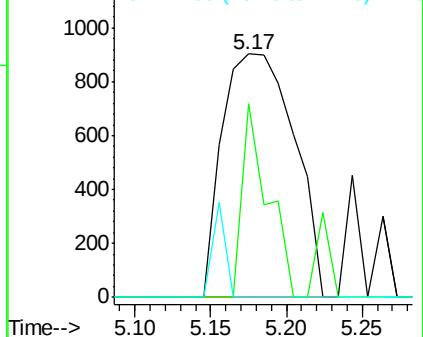
42 100

72 28.0 31.4 47.2#

71 7.0 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



#31

Cyclohexane

Concen: Below Cal

RT: 5.63 min Scan# 549

Delta R.T. 0.02 min

Lab File: VD059503.D

Acq: 29 Jun 2018 20:37

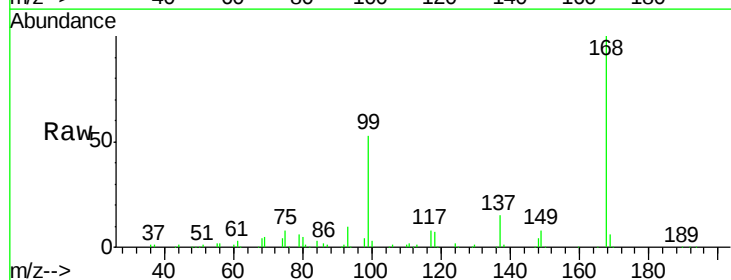
Tgt Ion: 56 Resp: 21846

Ion Ratio Lower Upper

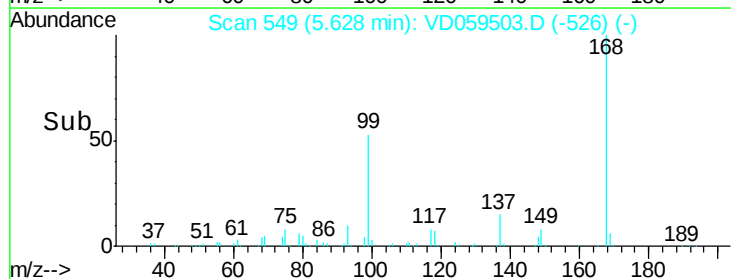
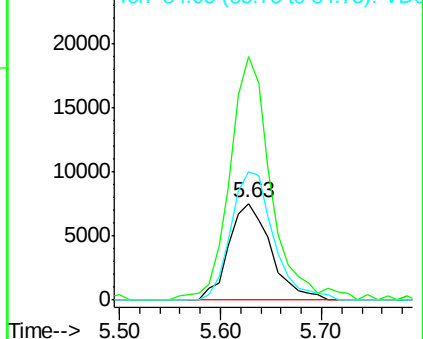
56 100

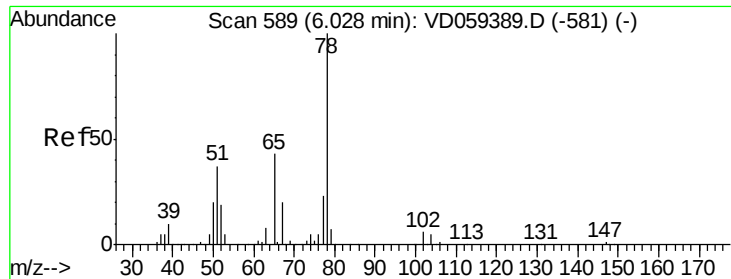
69 252.2 22.9 34.3#

84 133.0 67.3 100.9#



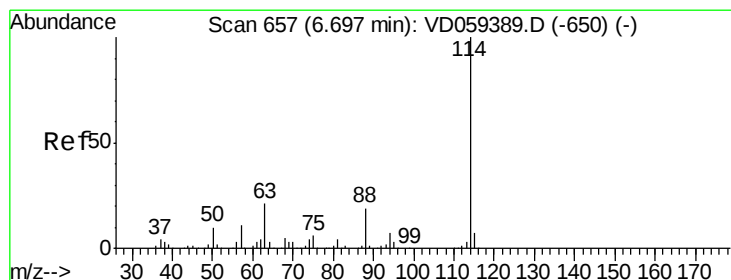
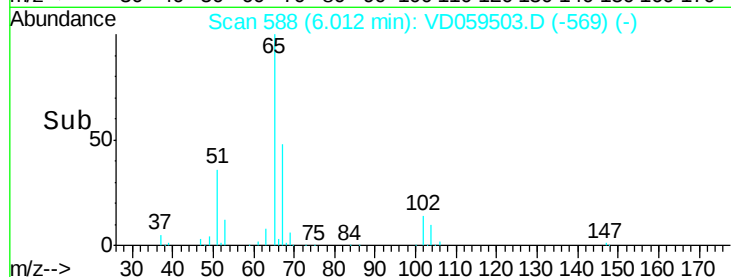
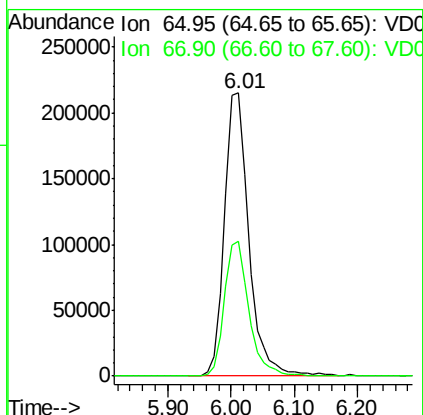
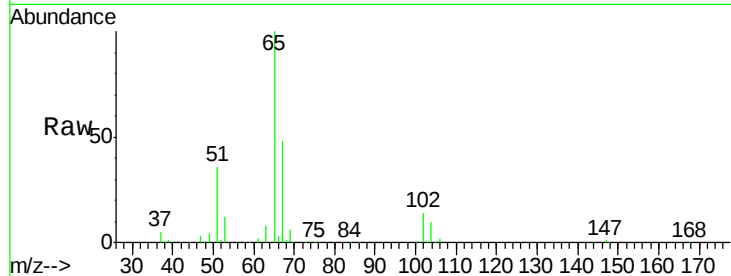
Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC





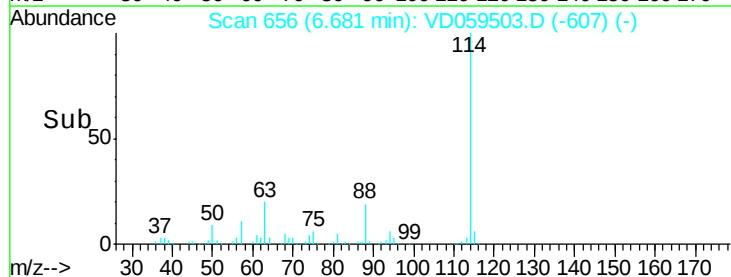
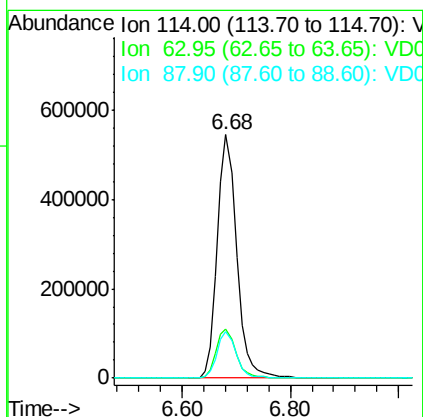
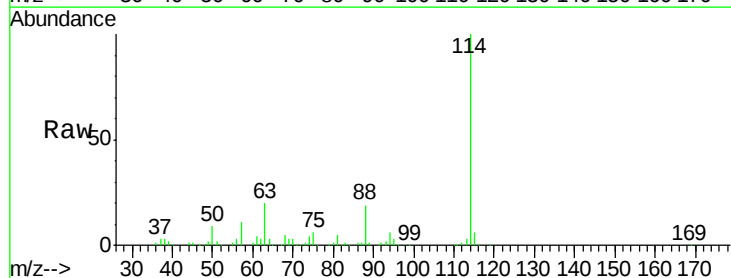
#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 6.01 min Scan# 588
 Delta R.T. -0.02 min
 Lab File: VD059503.D
 Acq: 29 Jun 2018 20:37

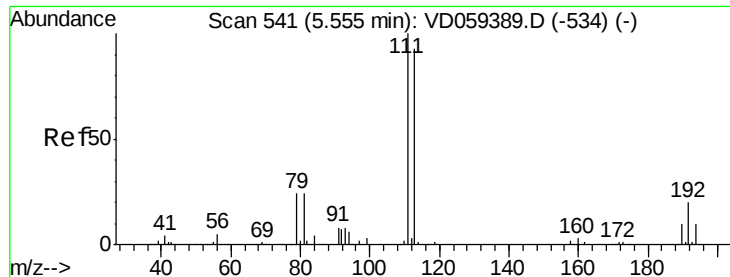
Tot Ion: 65 Resp: 576895
 Ion Ratio Lower Upper
 65 100
 67 47.6 0.0 93.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.68 min Scan# 656
 Delta R.T. -0.02 min
 Lab File: VD059503.D
 Acq: 29 Jun 2018 20:37

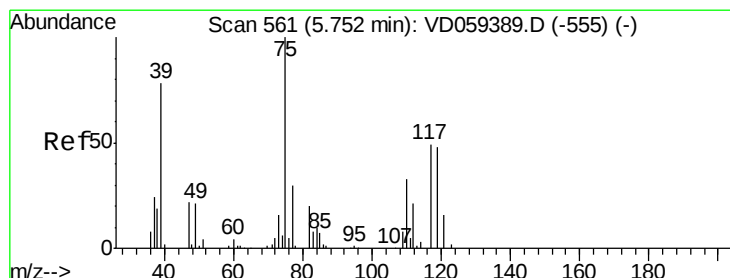
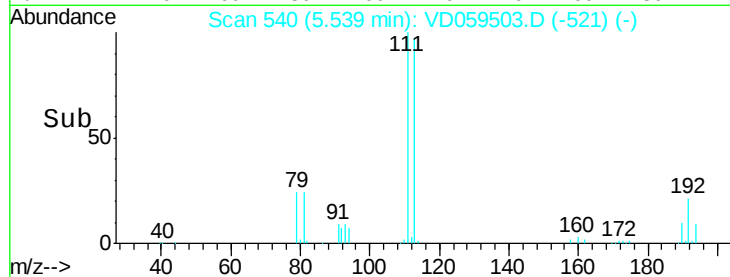
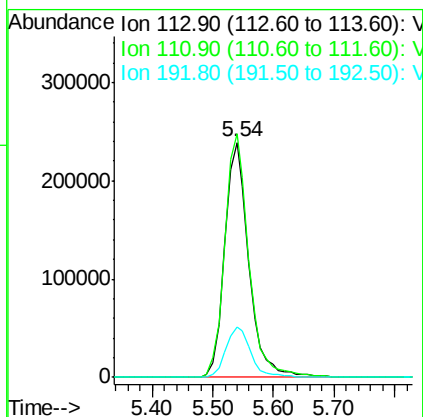
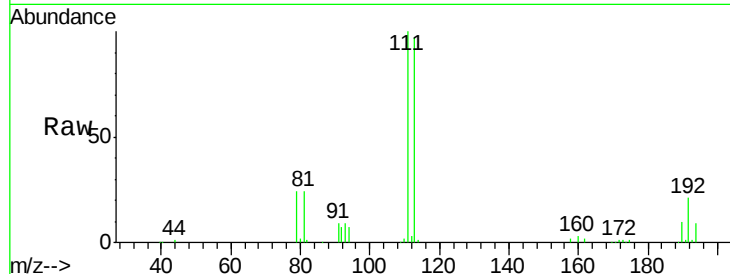
Tgt Ion: 114 Resp: 1357823
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 42.4
 88 19.1 0.0 38.0





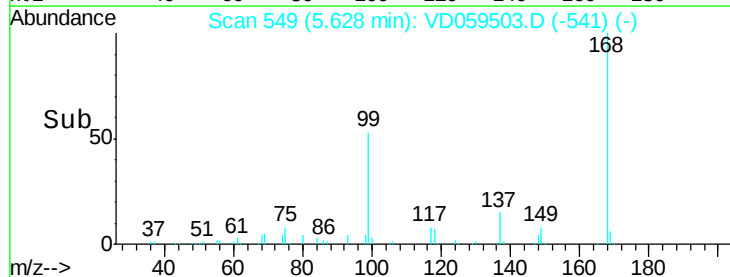
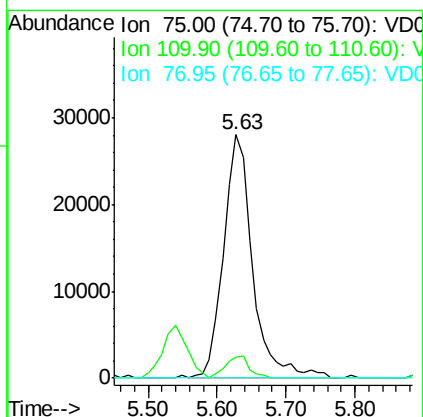
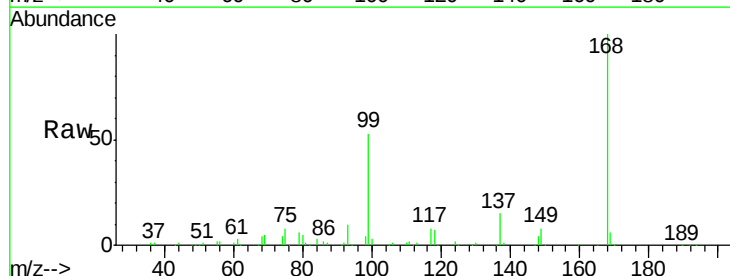
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.54 min Scan# 540
 Delta R.T. -0.02 min
 Lab File: VD059503.D
 Acq: 29 Jun 2018 20:37

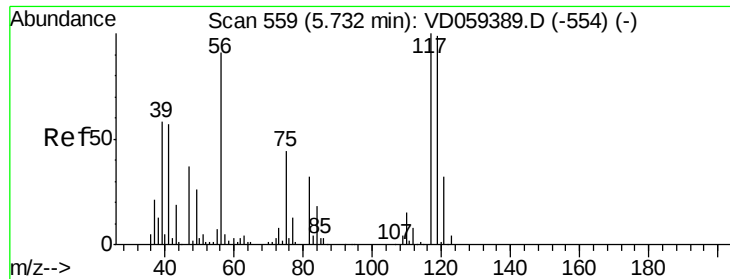
Tot Ion:113 Resp: 661061
 Ion Ratio Lower Upper
 113 100
 111 103.5 85.7 128.5
 192 21.7 16.9 25.3



#36
 1,1-Dichloropropene
 Concen: 6.636 ug/l
 RT: 5.63 min Scan# 549
 Delta R.T. -0.12 min
 Lab File: VD059503.D
 Acq: 29 Jun 2018 20:37

Tgt Ion: 75 Resp: 81743
 Ion Ratio Lower Upper
 75 100
 110 8.6 16.1 48.2#
 77 0.0 23.4 35.2#





#38

Carbon Tetrachloride

Concen: 6.385 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.09 min

Lab File: VD059503.D

Acq: 29 Jun 2018 20:37

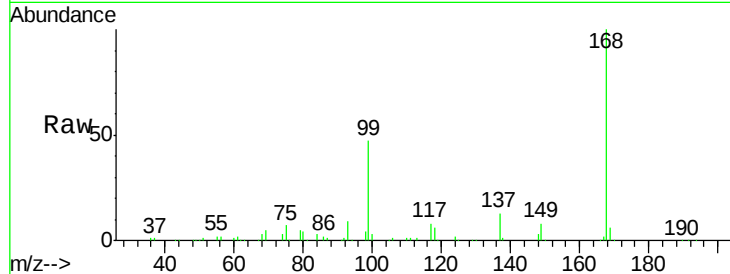
Tot Ion:117 Resp: 81088

Ion Ratio Lower Upper

117 100

119 5.7 76.6 115.0#

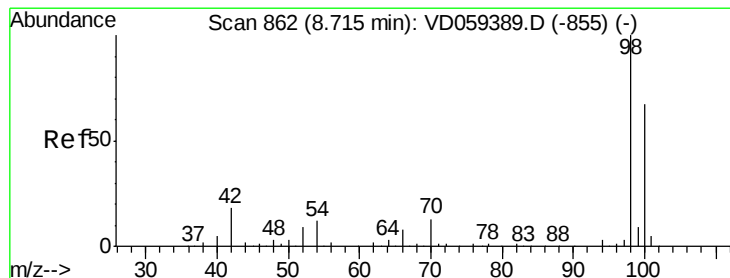
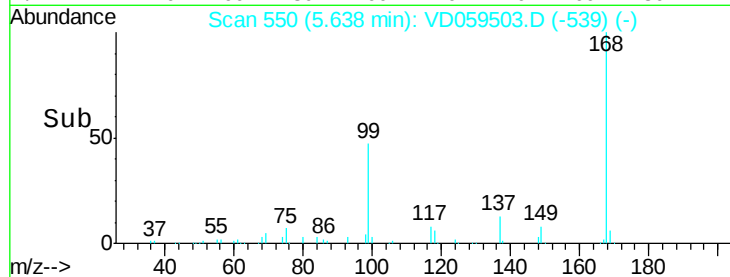
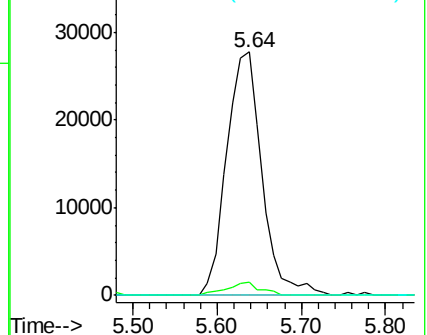
121 0.0 25.0 37.4#



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# 861

Delta R.T. -0.02 min

Lab File: VD059503.D

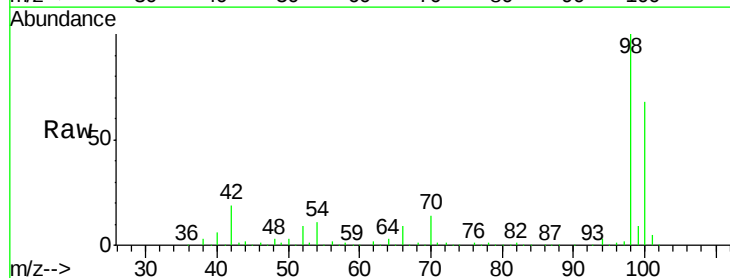
Acq: 29 Jun 2018 20:37

Tgt Ion: 98 Resp: 1441591

Ion Ratio Lower Upper

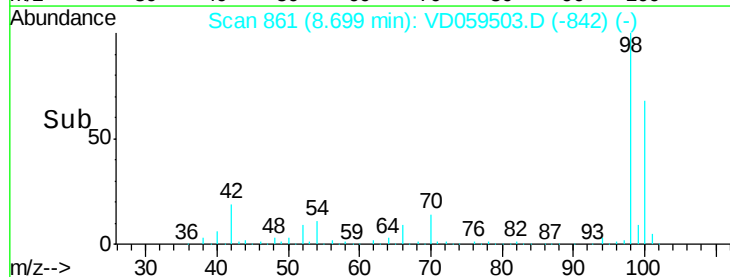
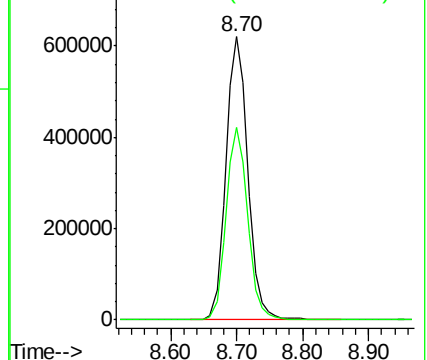
98 100

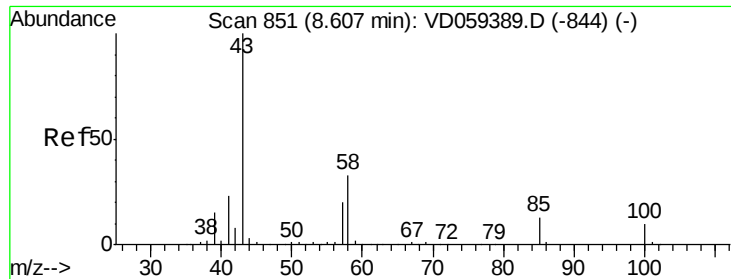
100 67.9 54.4 81.6



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#51

4-Methyl-2-Pentanone

Concen: 1.569 ug/l

RT: 8.70 min Scan# 861

Delta R.T. 0.09 min

Lab File: VD059503.D

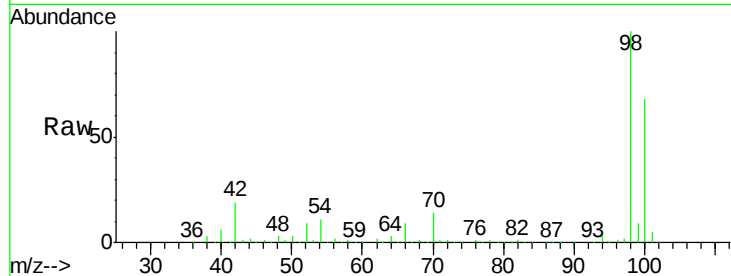
Acq: 29 Jun 2018 20:37

Tot Ion: 43 Resp: 9849

Ion Ratio Lower Upper

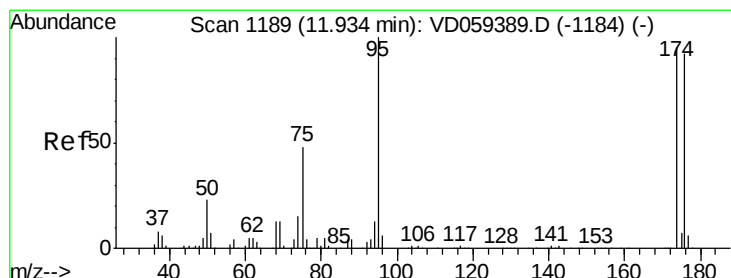
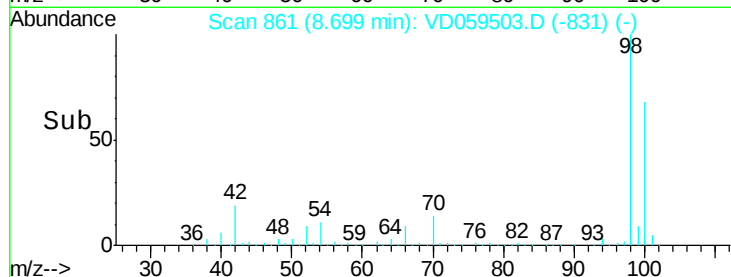
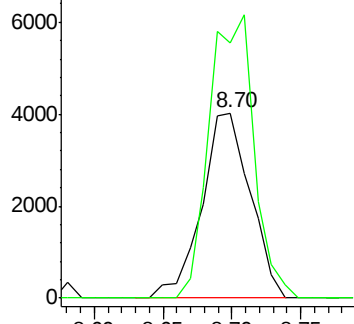
43 100

58 137.7 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: 11.93 min Scan# 1189

Delta R.T. -0.01 min

Lab File: VD059503.D

Acq: 29 Jun 2018 20:37

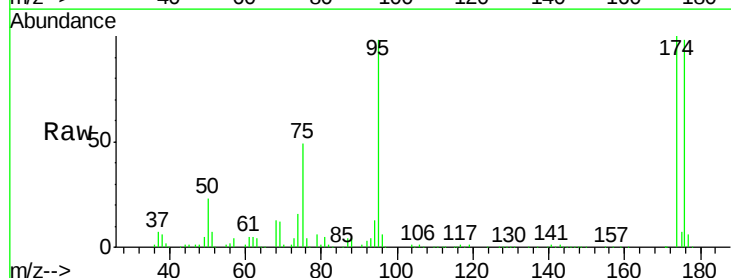
Tgt Ion: 95 Resp: 595531

Ion Ratio Lower Upper

95 100

174 102.5 0.0 190.4

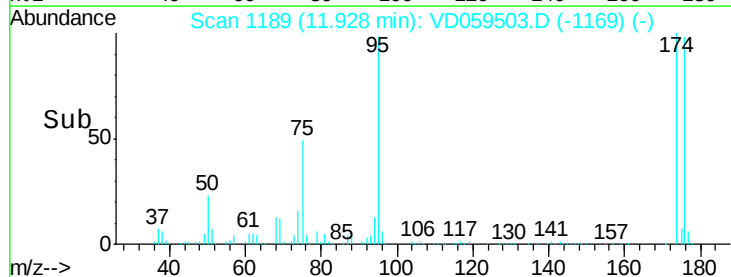
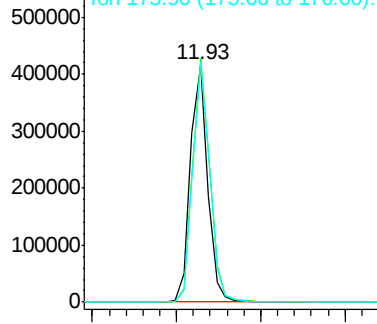
176 100.8 0.0 183.2

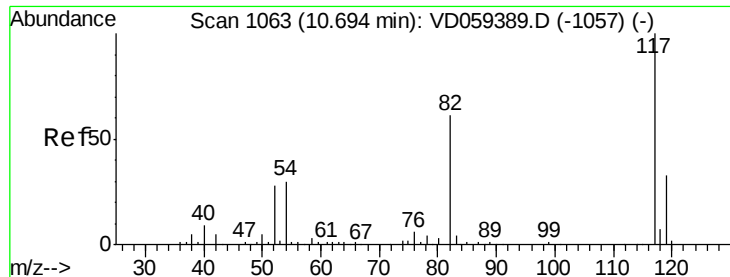


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

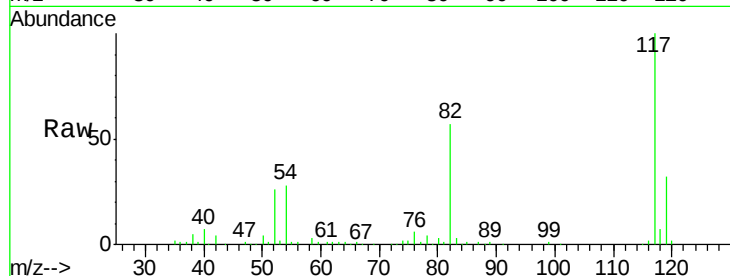




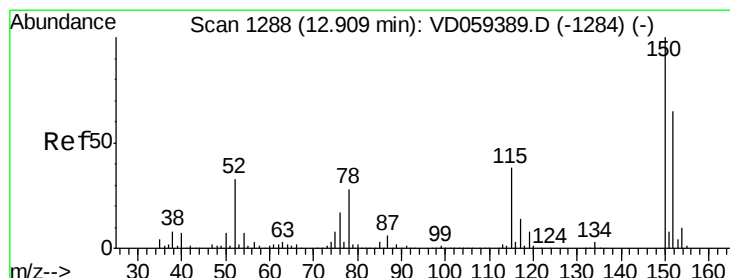
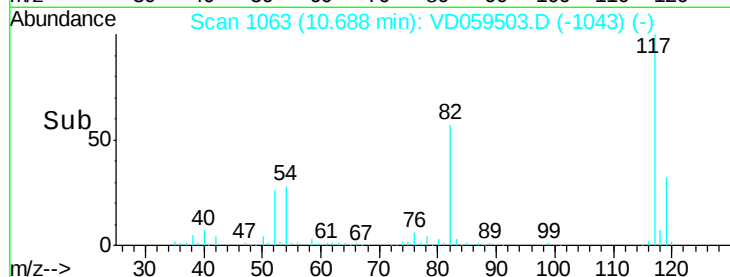
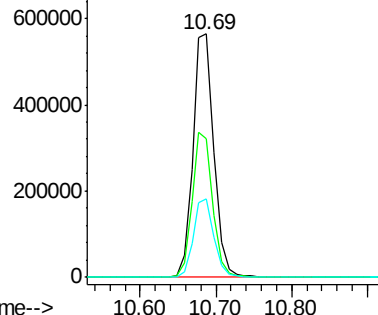
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. -0.01 min
Lab File: VD059503.D
Acq: 29 Jun 2018 20:37

Tot Ion:117 Resp: 1086848

Ion	Ratio	Lower	Upper
117	100		
82	56.8	49.0	73.6
119	32.5	26.2	39.4



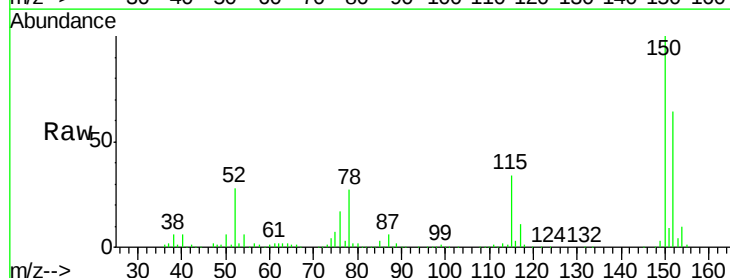
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V



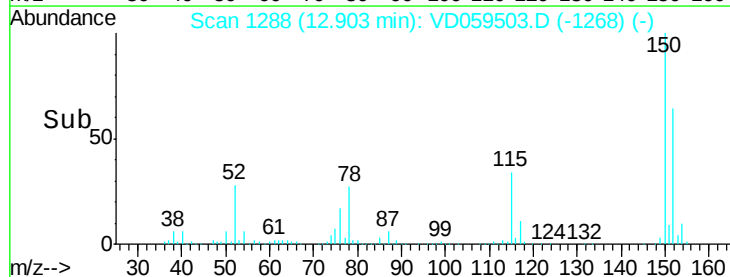
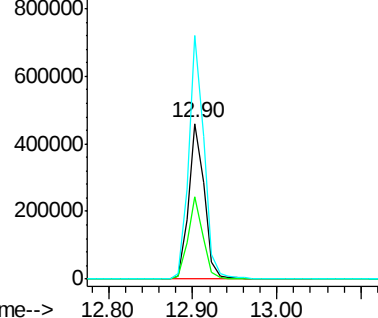
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VD059503.D
Acq: 29 Jun 2018 20:37

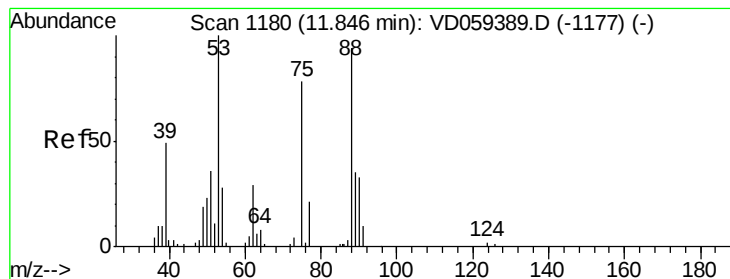
Tgt Ion:152 Resp: 595442

Ion	Ratio	Lower	Upper
152	100		
115	53.1	29.4	88.3
150	156.4	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





#81

trans-1,4-Dichloro-2-butene

Concen: 162.126 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.08 min

Lab File: VD059503.D

Acq: 29 Jun 2018 20:37

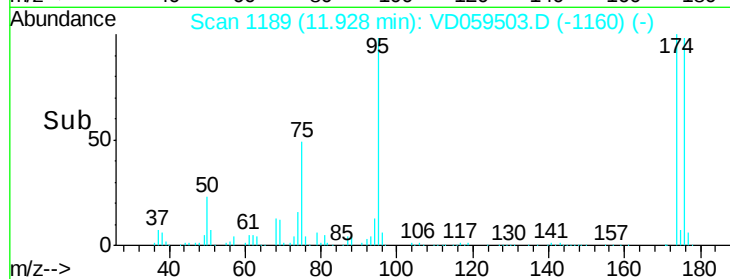
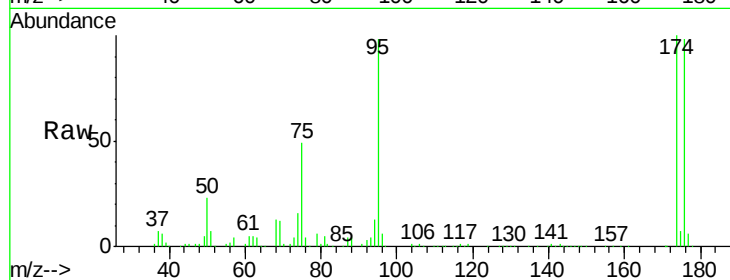
Tot Ion: 75 Resp: 302654

Ion Ratio Lower Upper

75 100

53 0.0 102.6 154.0#

89 0.0 35.9 53.9#



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

