

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062918\
 Data File : VD059498.D
 Acq On : 29 Jun 2018 18:15
 Operator : VA/AP
 Sample : J3677-10
 Misc : 5.02g/5ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

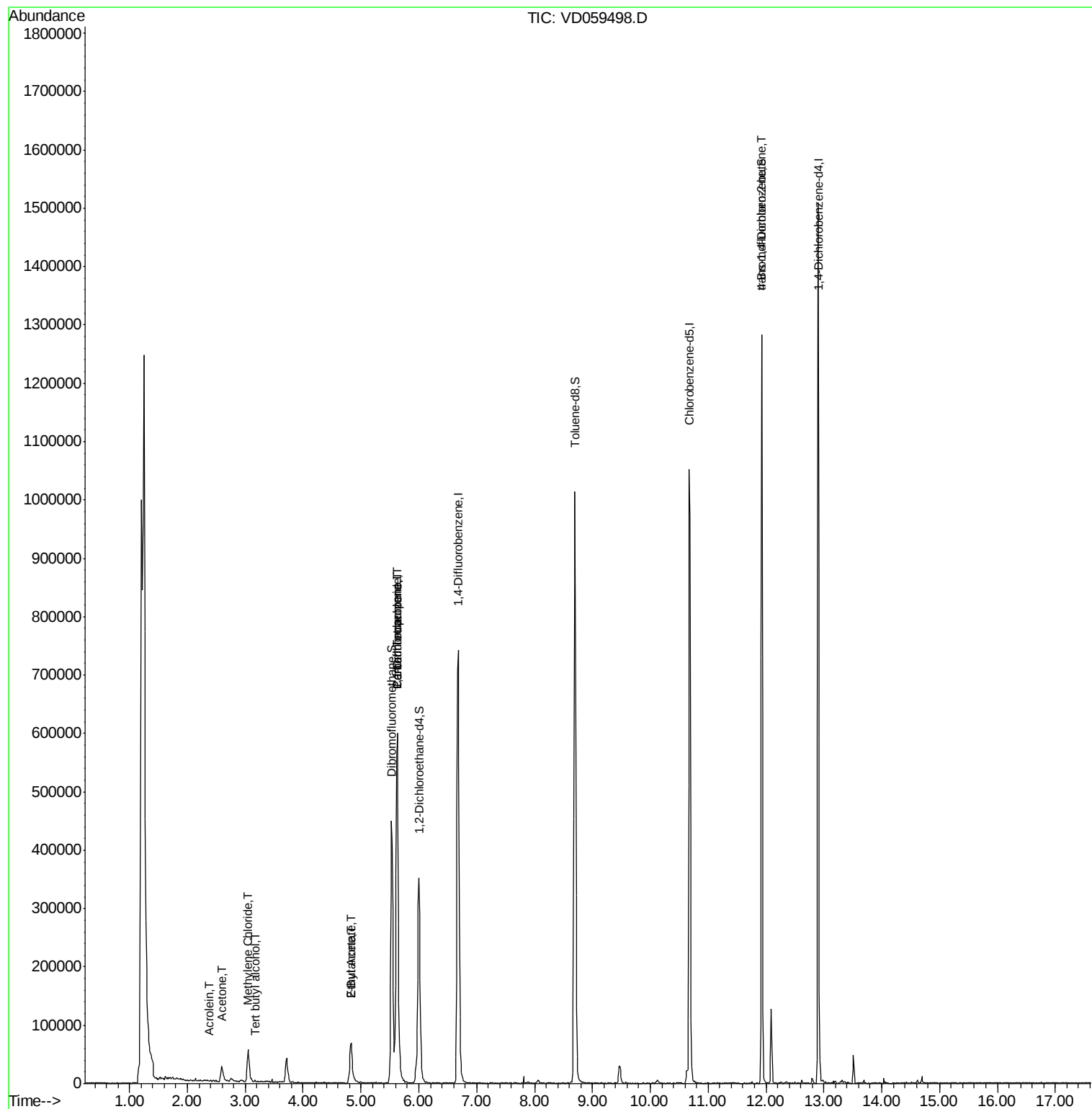
Quant Time: Jun 30 00:27:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 07:29:35 2018
 Response via : Initial Calibration

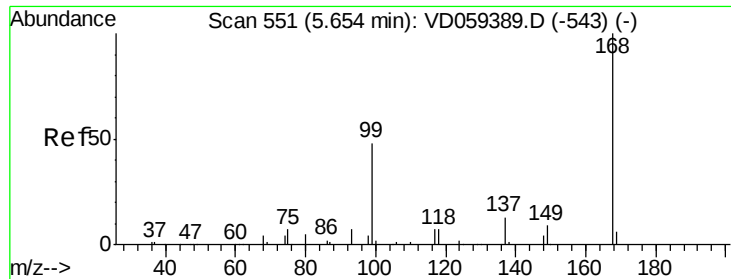
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	601094	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	6.68	114	785701	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	604258	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.90	152	317714	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.00	65	325698	52.98	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	105.96%	
35) Dibromofluoromethane	5.53	113	351003	54.85	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	109.70%	
50) Toluene-d8	8.70	98	792463	52.97	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	105.94%	
62) 4-Bromofluorobenzene	11.93	95	311098	49.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.98%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.70	94	411	Below Cal	#	4
11) Tert butyl alcohol	3.18	59	1229	5.779	ug/l #	72
13) Acrolein	2.38	56	216	1.136	ug/l #	16
16) Acetone	2.59	43	50848	65.542	ug/l	100
18) Methyl Acetate	2.90	43	539	Below Cal	#	66
20) Methylene Chloride	3.05	84	24482	9.350	ug/l #	91
25) 2-Butanone	4.82	43	28159	17.327	ug/l	94
31) Cyclohexane	5.63	56	12823	Below Cal	#	1
36) 1,1-Dichloropropene	5.62	75	49128	6.893	ug/l #	49
37) Ethyl Acetate	4.82	43	28158	6.487	ug/l #	78
38) Carbon Tetrachloride	5.63	117	49521	6.739	ug/l #	16
81) trans-1,4-Dichloro-2-buten	11.93	75	154404	155.013	ug/l #	1

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

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Quant Title : SW846 8260
QLast Update : Mon Jun 25 07:29:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.03 min

Lab File: VD059498.D

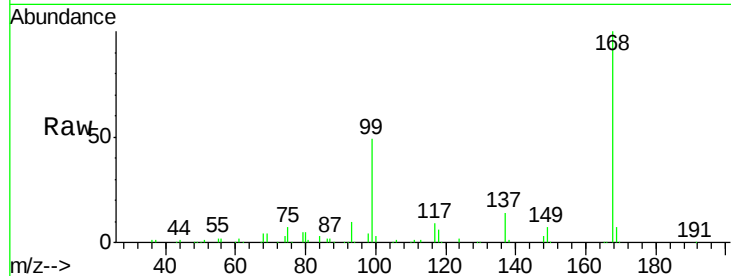
Acq: 29 Jun 2018 18:15

Tot Ion:168 Resp: 601094

Ion Ratio Lower Upper

168 100

99 48.7 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.63

250000

200000

150000

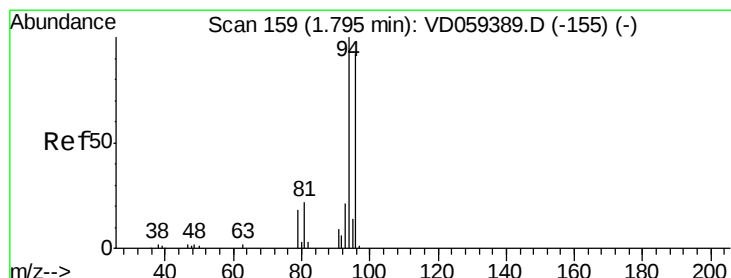
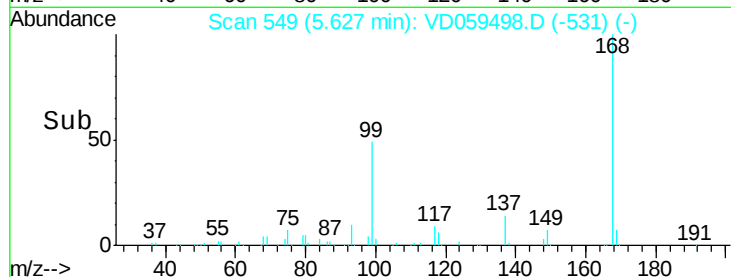
100000

50000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#5

Bromomethane

Concen: Below Cal

RT: 1.70 min Scan# 150

Delta R.T. -0.10 min

Lab File: VD059498.D

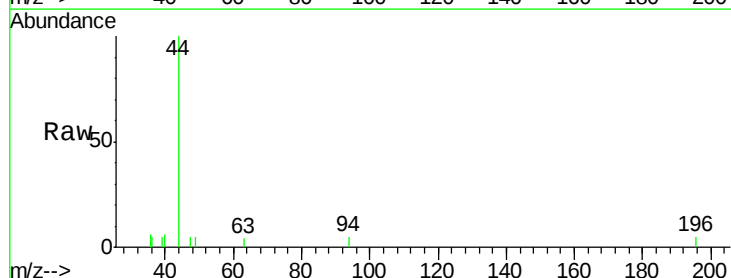
Acq: 29 Jun 2018 18:15

Tgt Ion: 94 Resp: 411

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

1.70

400

300

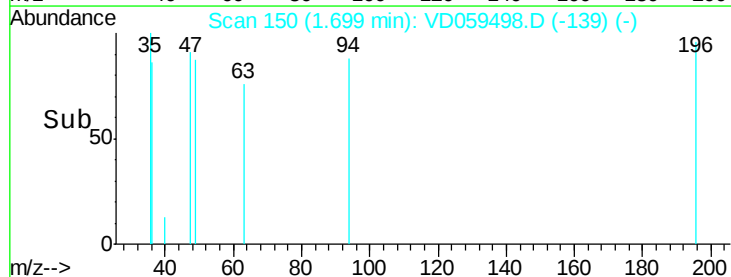
200

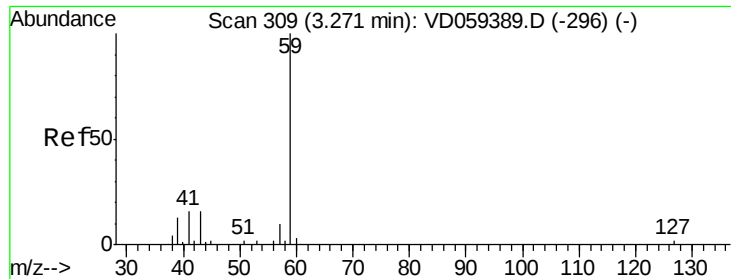
100

0

Time-->

1.66 1.68 1.70 1.72

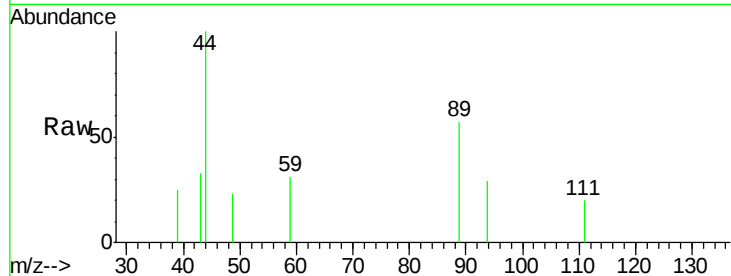




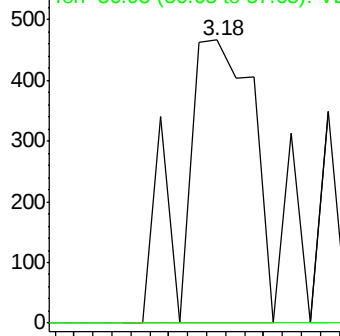
#11

Tert butyl alcohol
 Concen: 5.779 ug/l
 RT: 3.18 min Scan# 300
 Delta R.T. -0.10 min
 Lab File: VD059498.D
 Acq: 29 Jun 2018 18:15

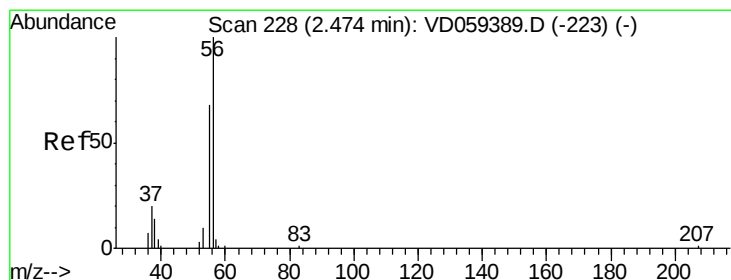
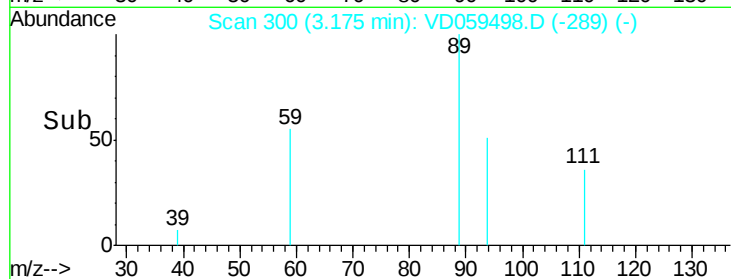
Tot Ion: 59 Resp: 1229
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#



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



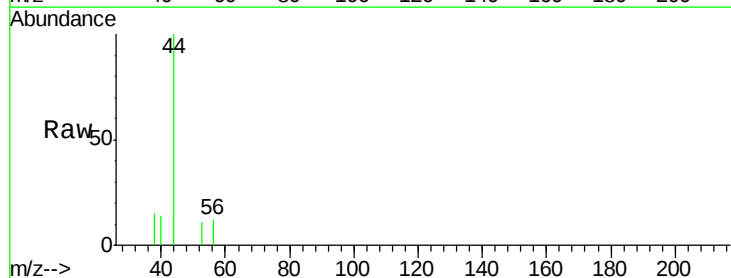
Time-->



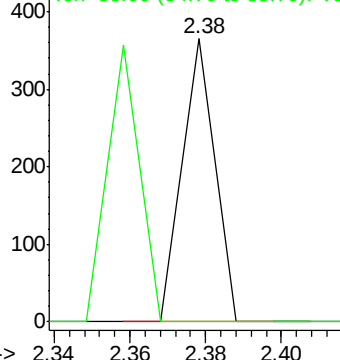
#13

Acrolein
 Concen: 1.136 ug/l
 RT: 2.38 min Scan# 219
 Delta R.T. -0.10 min
 Lab File: VD059498.D
 Acq: 29 Jun 2018 18:15

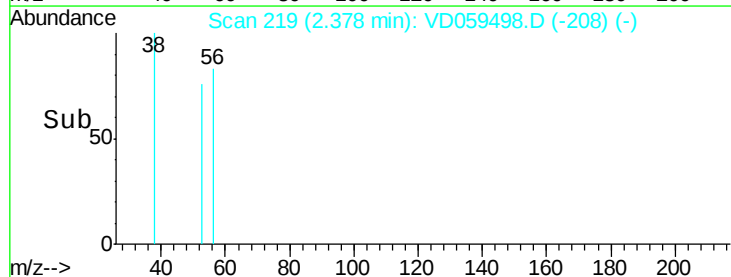
Tgt Ion: 56 Resp: 216
 Ion Ratio Lower Upper
 56 100
 55 0.0 54.6 82.0#

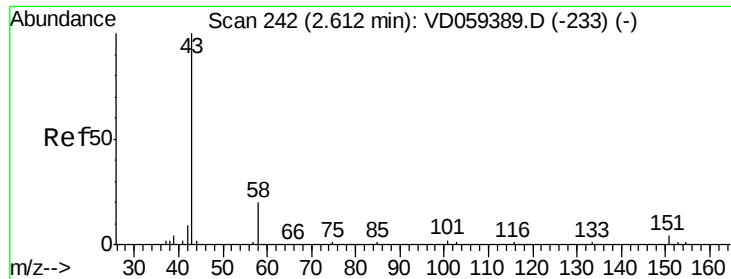


Abundance Ion 55.95 (55.65 to 56.65): VDC
 Ion 55.00 (54.70 to 55.70): VDC



Time-->





#16

Acetone

Concen: 65.542 ug/l

RT: 2.59 min Scan# 241

Delta R.T. -0.02 min

Lab File: VD059498.D

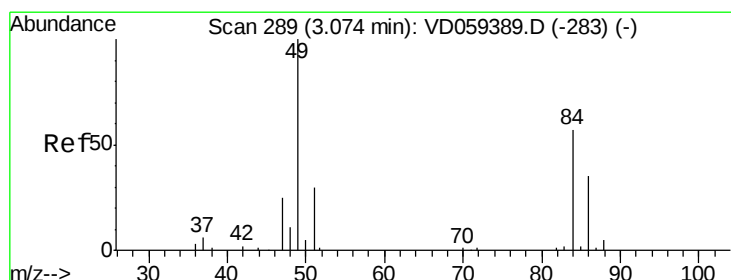
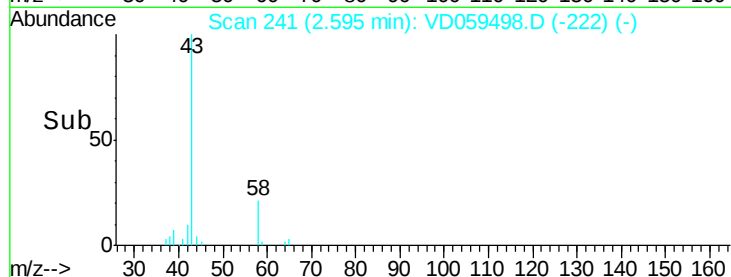
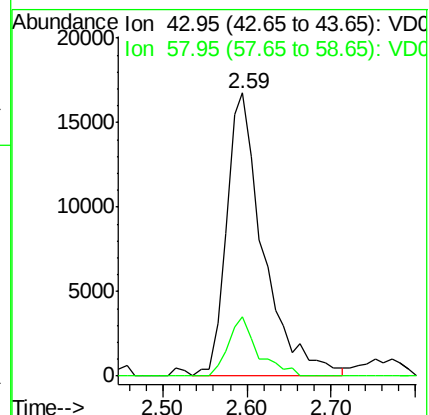
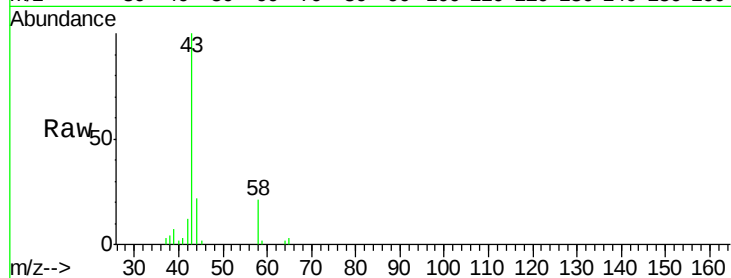
Acq: 29 Jun 2018 18:15

Tot Ion: 43 Resp: 50848

Ion Ratio Lower Upper

43 100

58 20.8 16.8 25.2



#20

Methylene Chloride

Concen: 9.350 ug/l

RT: 3.05 min Scan# 287

Delta R.T. -0.03 min

Lab File: VD059498.D

Acq: 29 Jun 2018 18:15

Tgt Ion: 84 Resp: 24482

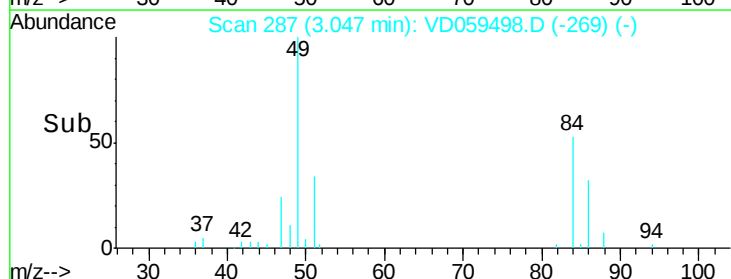
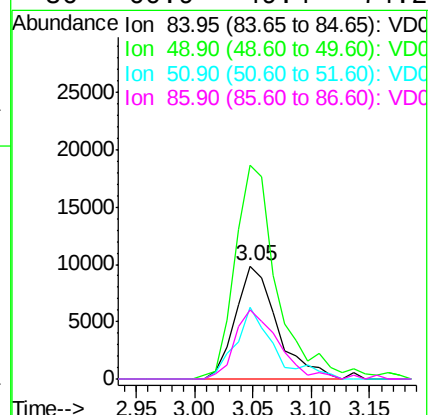
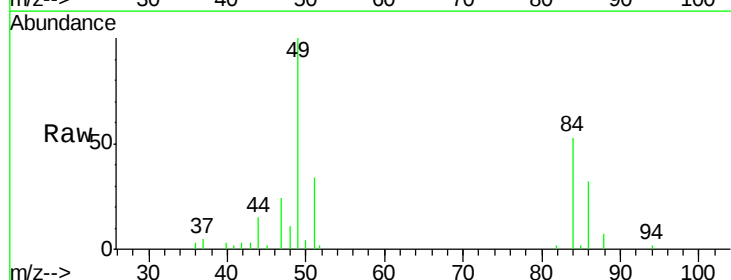
Ion Ratio Lower Upper

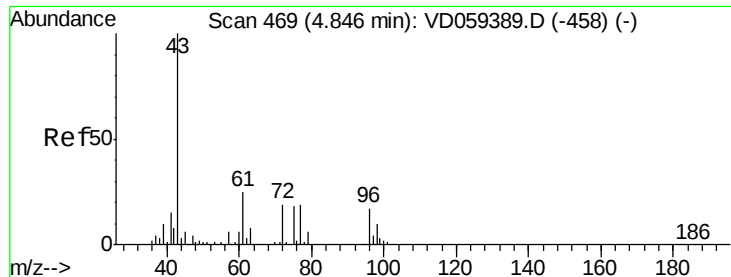
84 100

49 189.6 140.3 210.5

51 63.9 41.6 62.4#

86 60.9 49.4 74.2





#25

2-Butanone

Concen: 17.327 ug/l

RT: 4.82 min Scan# 467

Delta R.T. -0.03 min

Lab File: VD059498.D

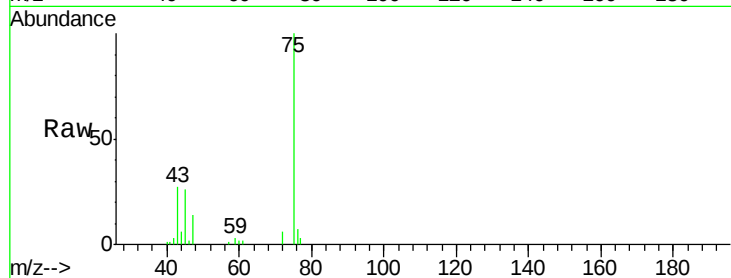
Acq: 29 Jun 2018 18:15

Tot Ion: 43 Resp: 28159

Ion Ratio Lower Upper

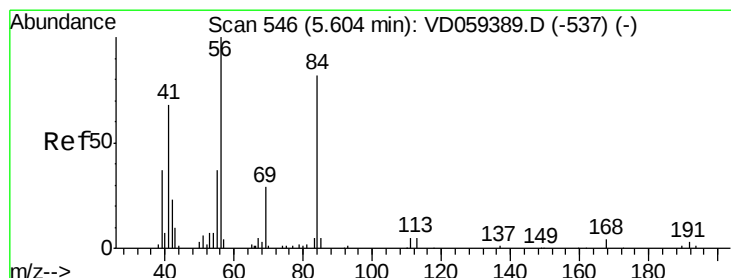
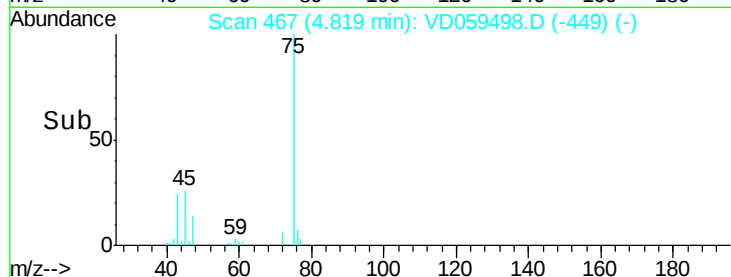
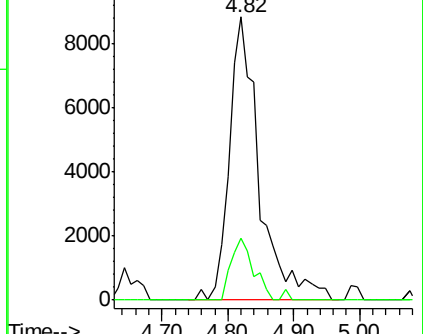
43 100

72 22.0 15.4 23.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: Below Cal

RT: 5.63 min Scan# 549

Delta R.T. 0.02 min

Lab File: VD059498.D

Acq: 29 Jun 2018 18:15

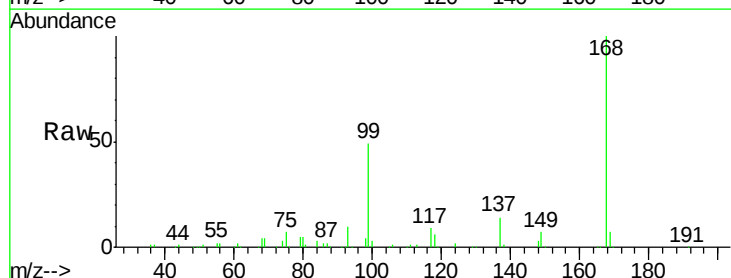
Tgt Ion: 56 Resp: 12823

Ion Ratio Lower Upper

56 100

69 208.8 22.9 34.3#

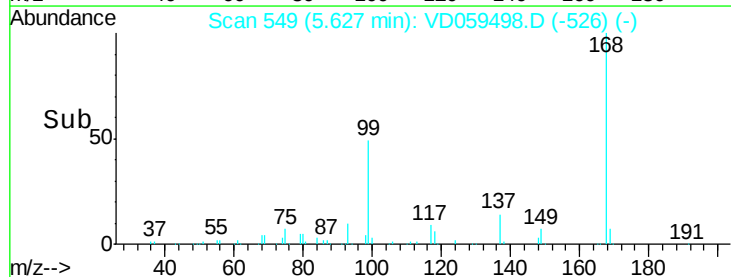
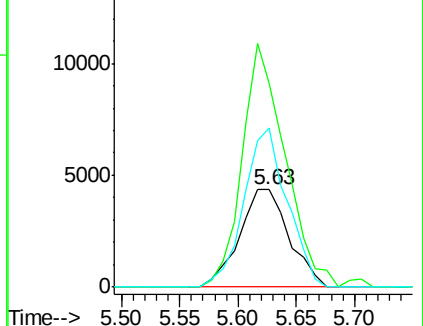
84 163.7 67.3 100.9#

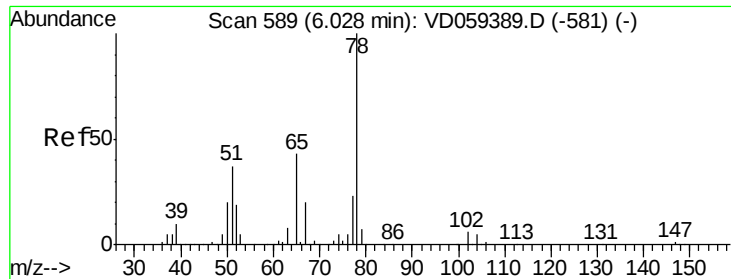


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.00 min Scan# 587

Delta R.T. -0.03 min

Lab File: VD059498.D

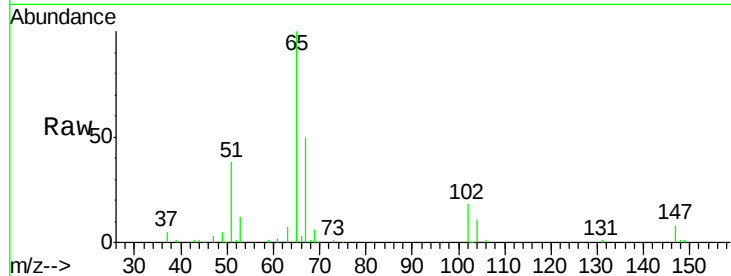
Acq: 29 Jun 2018 18:15

Tot Ion: 65 Resp: 325698

Ion Ratio Lower Upper

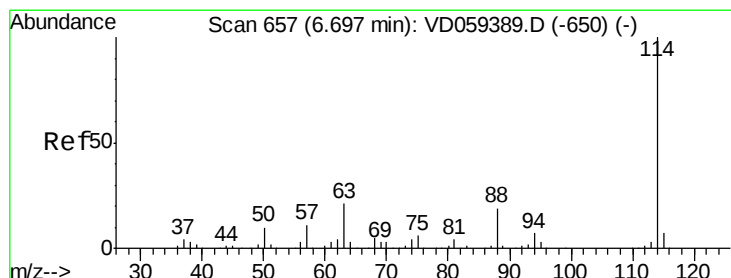
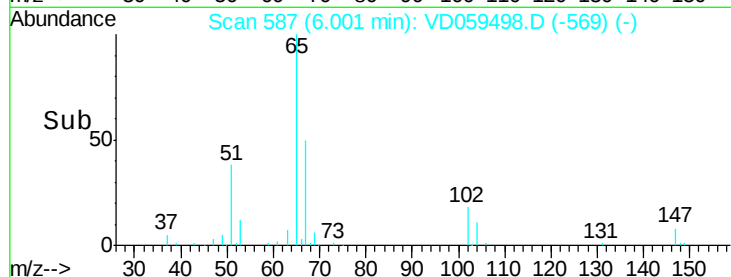
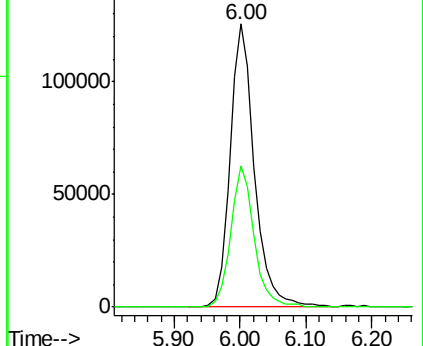
65 100

67 49.9 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# 656

Delta R.T. -0.02 min

Lab File: VD059498.D

Acq: 29 Jun 2018 18:15

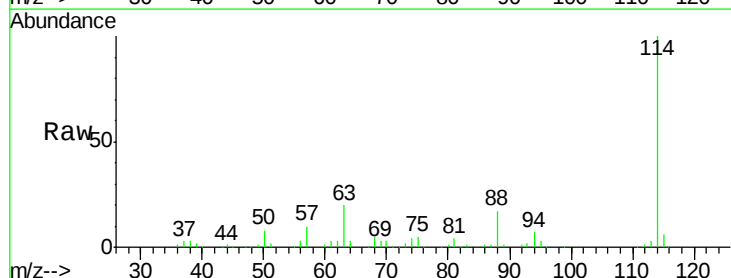
Tgt Ion: 114 Resp: 785701

Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.4

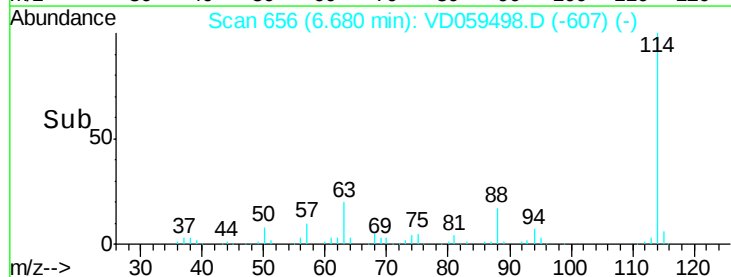
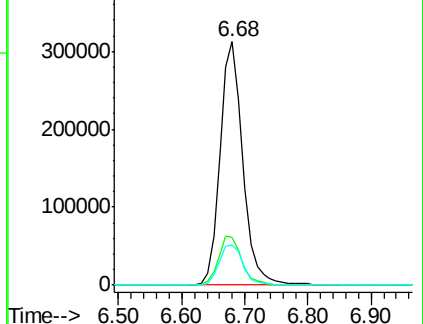
88 16.6 0.0 38.0

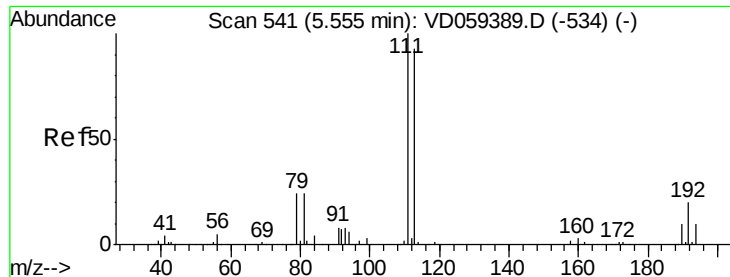


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

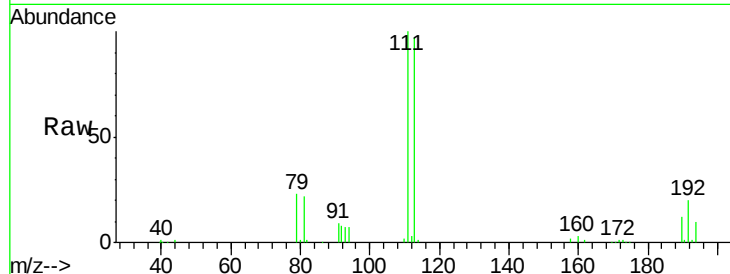
Ion 87.90 (87.60 to 88.60): VDC



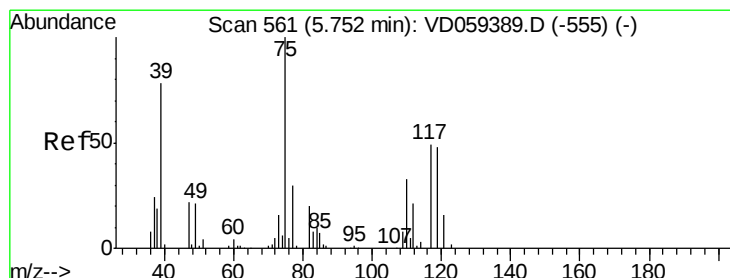
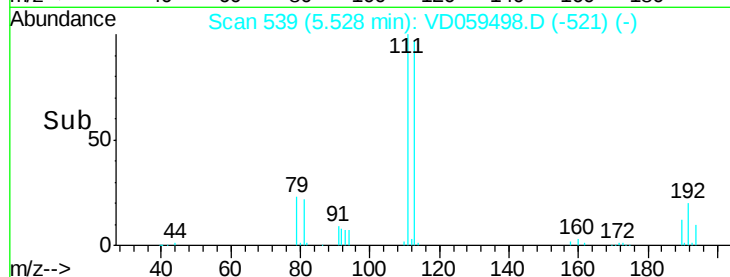
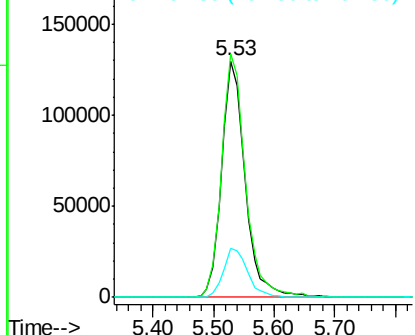


#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.53 min Scan# 539
 Delta R.T. -0.03 min
 Lab File: VD059498.D
 Acq: 29 Jun 2018 18:15

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	85.7	128.5
192	20.8	16.9	25.3

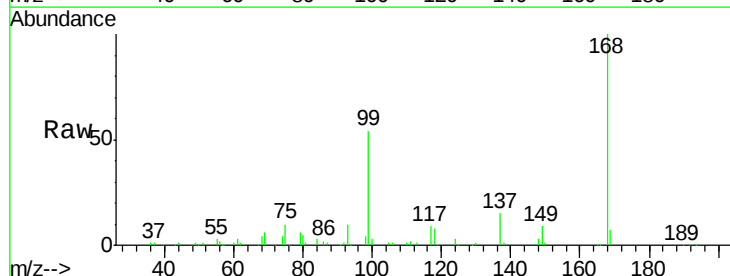


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

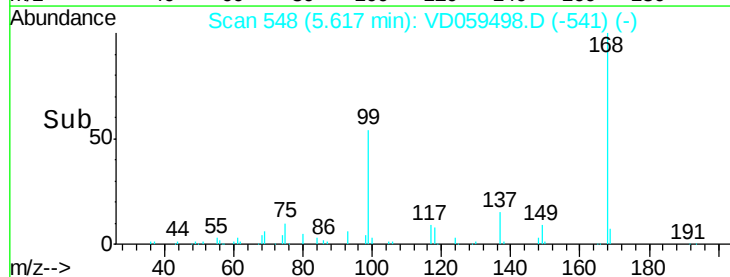
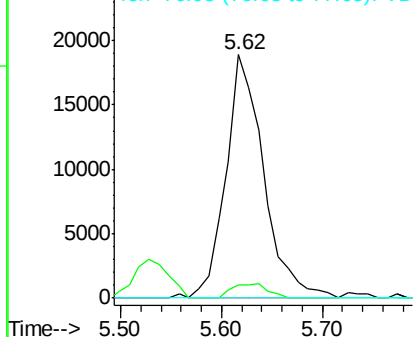


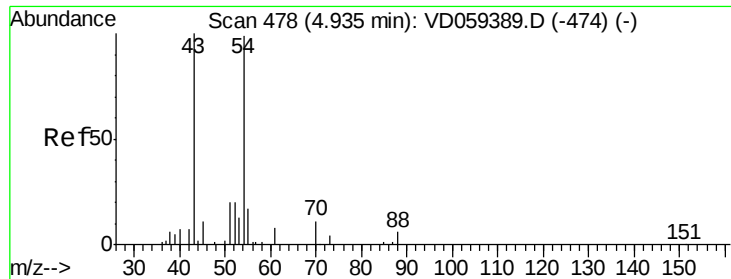
#36
 1,1-Dichloropropene
 Concen: 6.893 ug/l
 RT: 5.62 min Scan# 548
 Delta R.T. -0.14 min
 Lab File: VD059498.D
 Acq: 29 Jun 2018 18:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	5.4	16.1	48.2#
77	0.0	23.4	35.2#



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





#37

Ethyl Acetate

Concen: 6.487 ug/l

RT: 4.82 min Scan# 467

Delta R.T. -0.12 min

Lab File: VD059498.D

Acq: 29 Jun 2018 18:15

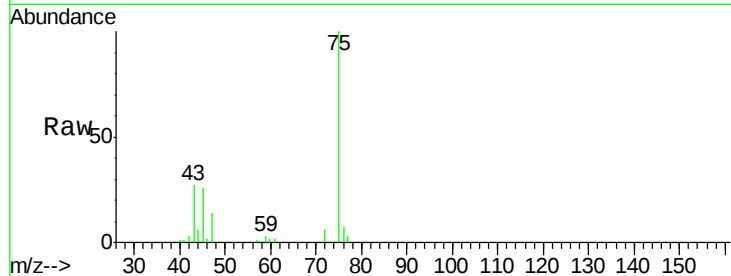
Tot Ion: 43 Resp: 28158

Ion Ratio Lower Upper

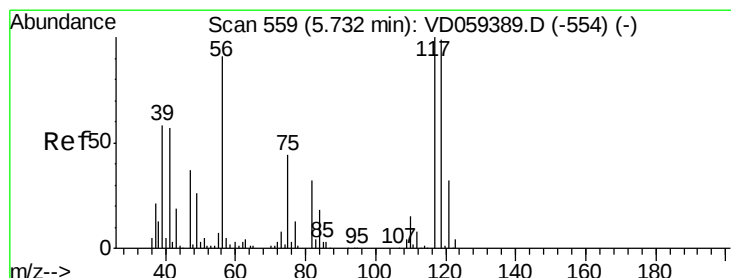
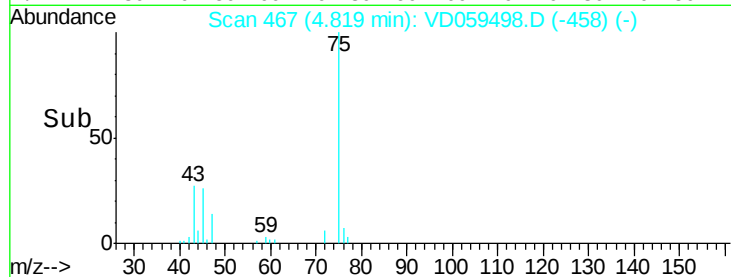
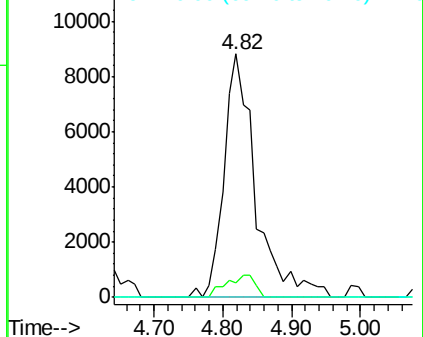
43 100

61 5.8 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



#38

Carbon Tetrachloride

Concen: 6.739 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.11 min

Lab File: VD059498.D

Acq: 29 Jun 2018 18:15

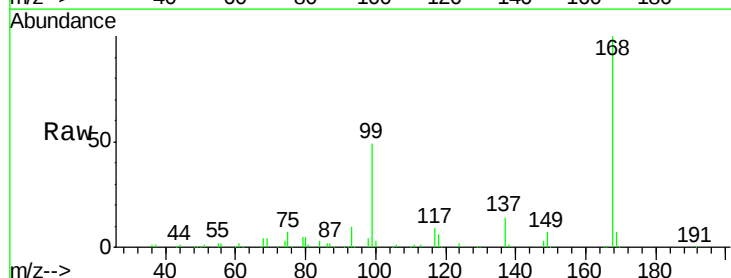
Tgt Ion: 117 Resp: 49521

Ion Ratio Lower Upper

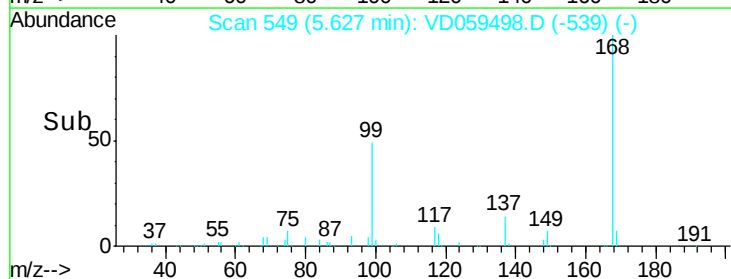
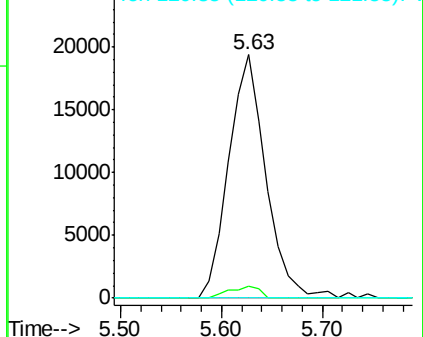
117 100

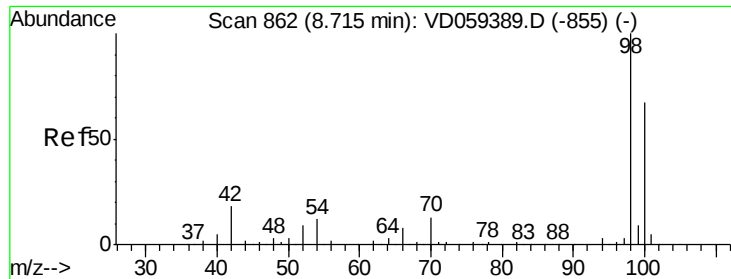
119 5.0 76.6 115.0#

121 0.0 25.0 37.4#



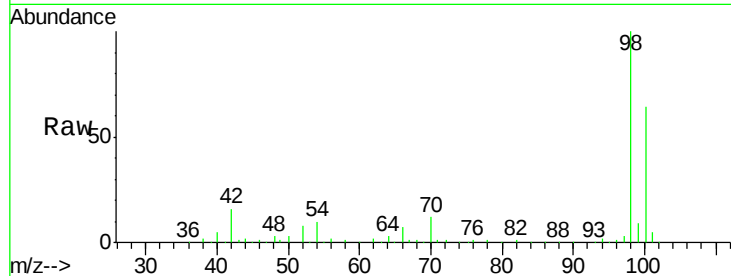
Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V



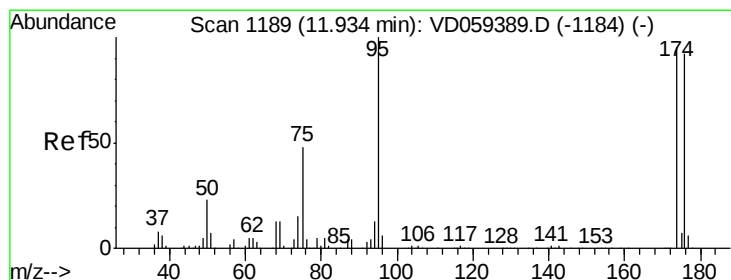
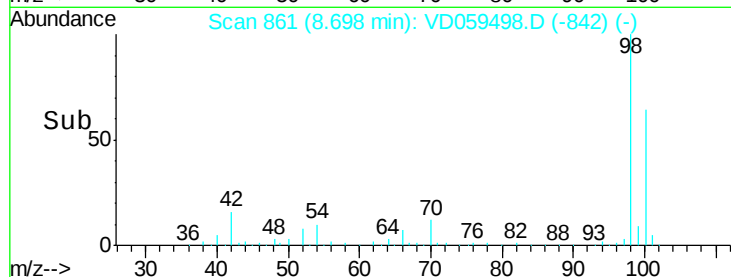
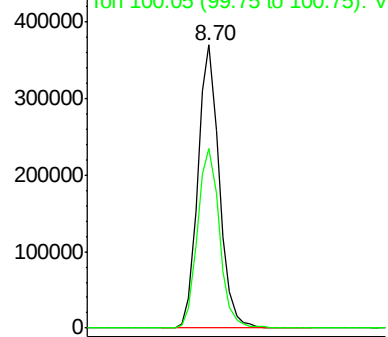


#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.70 min Scan# 861
Delta R.T. -0.02 min
Lab File: VD059498.D
Acq: 29 Jun 2018 18:15

Tot Ion: 98 Resp: 792463
Ion Ratio Lower Upper
98 100
100 63.5 54.4 81.6

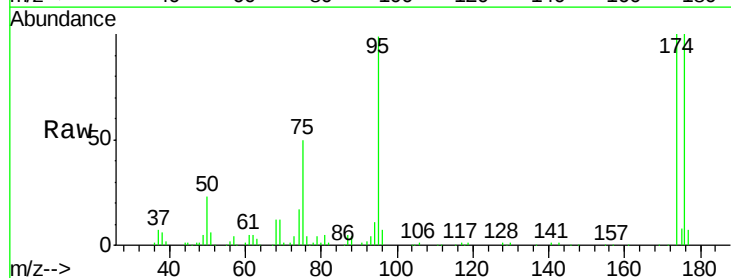


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

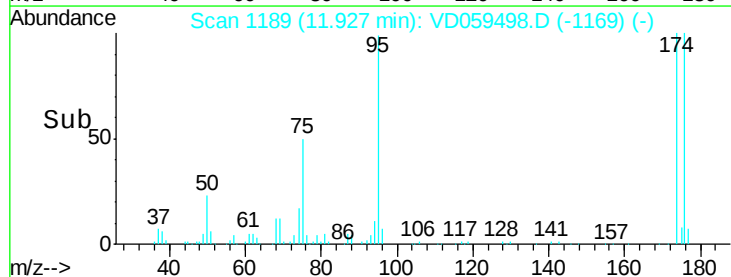
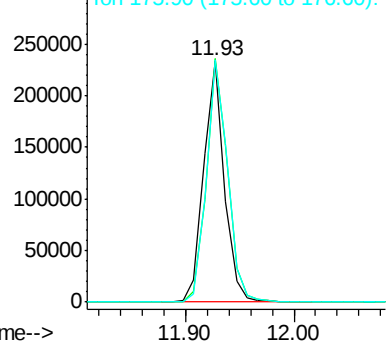


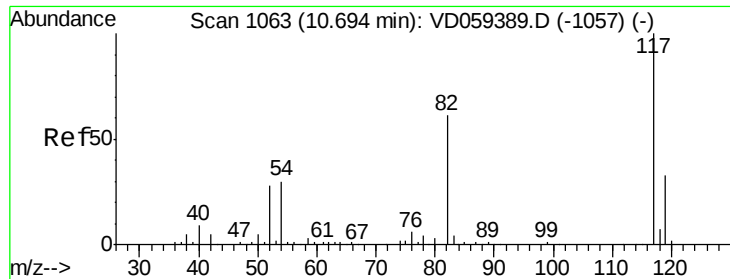
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.93 min Scan# 1189
Delta R.T. -0.01 min
Lab File: VD059498.D
Acq: 29 Jun 2018 18:15

Tgt Ion: 95 Resp: 311098
Ion Ratio Lower Upper
95 100
174 101.0 0.0 190.4
176 100.7 0.0 183.2



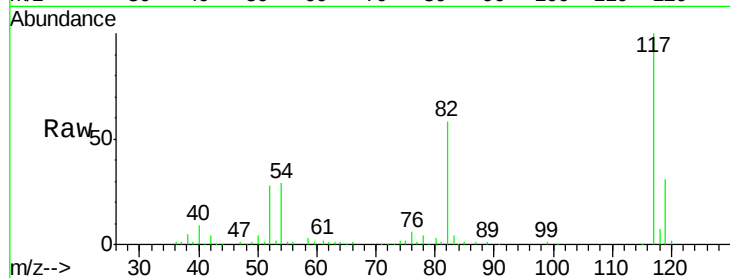
Abundance Ion 95.00 (94.70 to 95.70): VDC
Ion 173.90 (173.60 to 174.60): VDC
Ion 175.90 (175.60 to 176.60): VDC



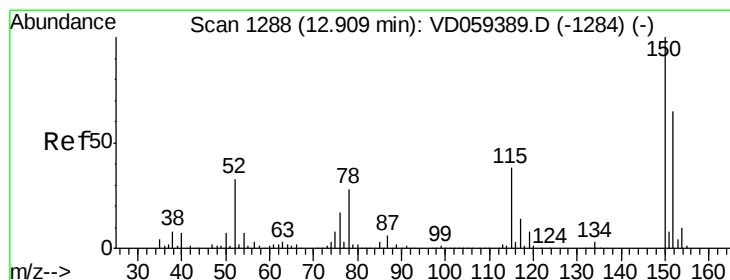
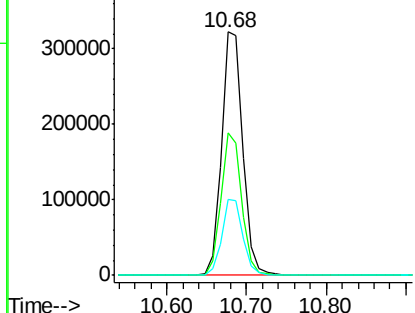
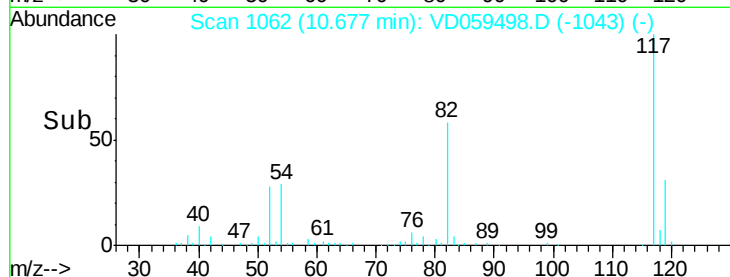


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.02 min
Lab File: VD059498.D
Acq: 29 Jun 2018 18:15

Tot Ion:117 Resp: 604258
Ion Ratio Lower Upper
117 100
82 58.4 49.0 73.6
119 31.1 26.2 39.4

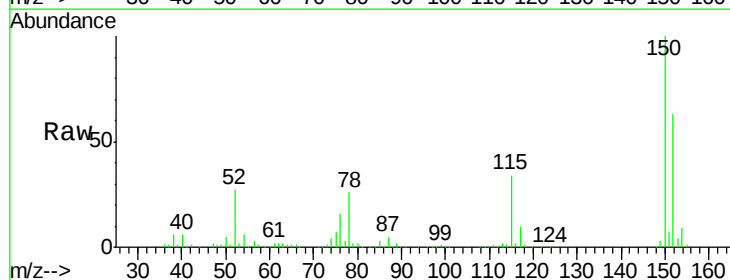


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

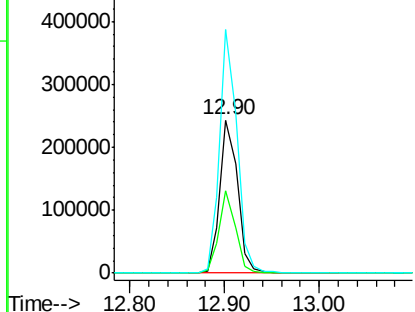
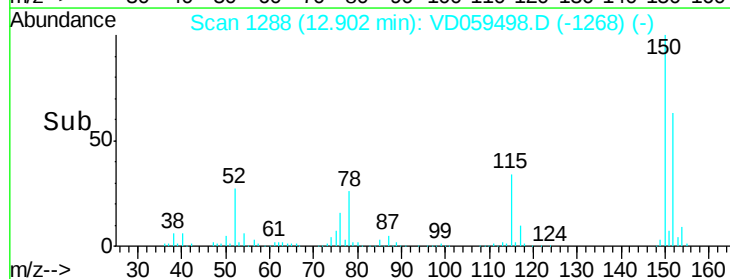


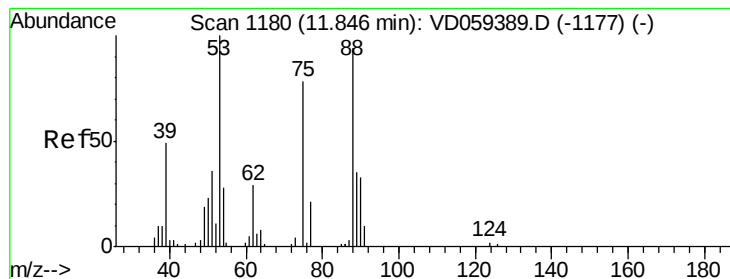
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VD059498.D
Acq: 29 Jun 2018 18:15

Tgt Ion:152 Resp: 317714
Ion Ratio Lower Upper
152 100
115 54.1 29.4 88.3
150 159.4 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: 155.013 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.08 min

Lab File: VD059498.D

Acq: 29 Jun 2018 18:15

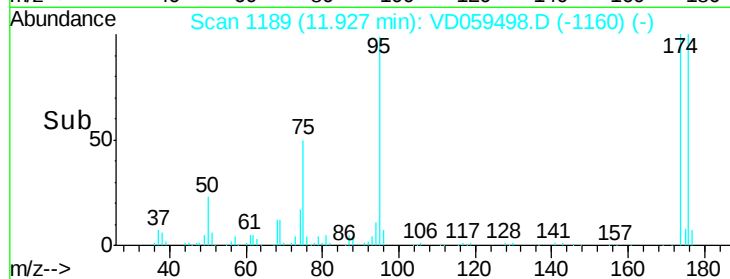
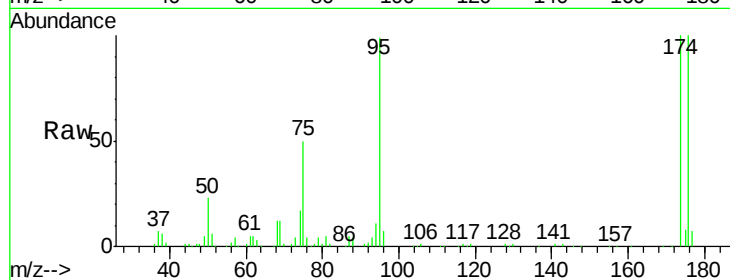
Tot Ion: 75 Resp: 154404

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

