

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062918\
 Data File : VD059504.D
 Acq On : 29 Jun 2018 21:05
 Operator : VA/AP
 Sample : J3774-03
 Misc : 5.16g/5ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 30 00:27:53 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	1021284	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.68	114	1293819	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.69	117	1024573	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	517563	50.00	ug/l	0.00

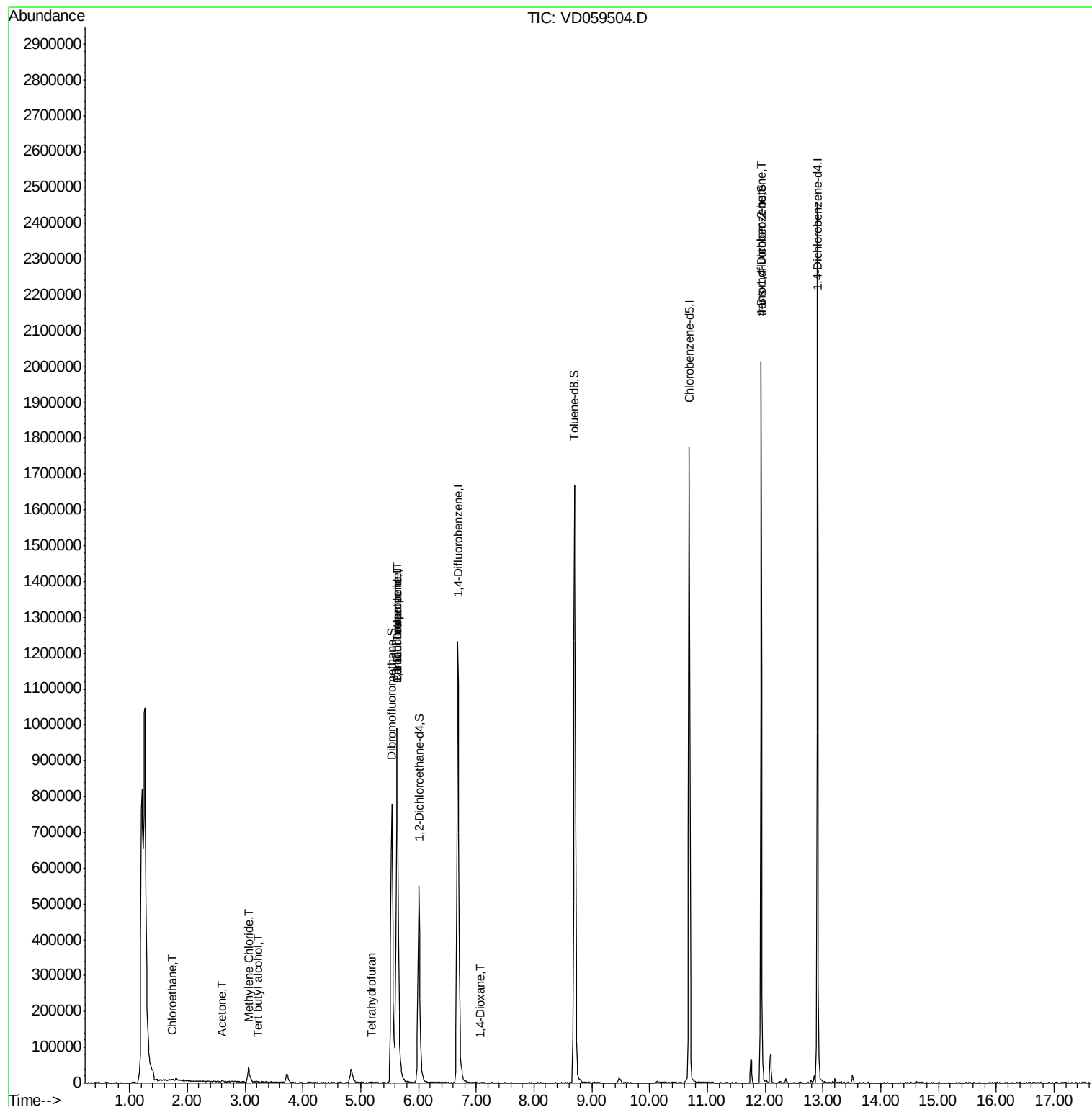
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	532872	51.02	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	102.04%	
35) Dibromofluoromethane	5.54	113	616660	58.51	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	117.02%	
50) Toluene-d8	8.70	98	1313770	53.33	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	106.66%	
62) 4-Bromofluorobenzene	11.93	95	497316	48.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.06%	

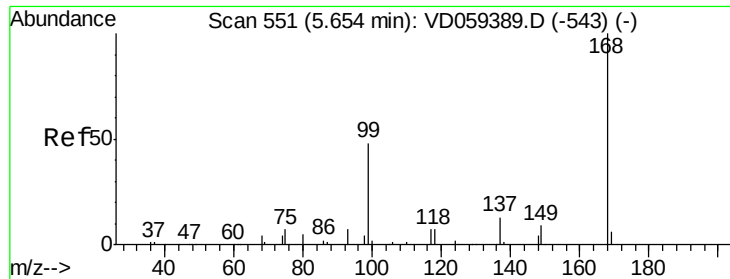
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.80	94	214	Below Cal	#	4
6) Chloroethane	1.74	64	190	1.993	ug/l #	41
11) Tert butyl alcohol	3.23	59	425	1.176	ug/l #	72
16) Acetone	2.60	43	6508	4.937	ug/l #	55
18) Methyl Acetate	2.90	43	797	Below Cal	#	66
20) Methylene Chloride	3.06	84	19157	2.890	ug/l	92
29) Tetrahydrofuran	5.19	42	2095	1.387	ug/l #	71
31) Cyclohexane	5.64	56	23036	Below Cal	#	1
36) 1,1-Dichloropropene	5.63	75	79550	6.778	ug/l #	50
38) Carbon Tetrachloride	5.63	117	82295	6.801	ug/l #	15
49) 1,4-Dioxane	7.06	88	198	3.610	ug/l #	21
81) trans-1,4-Dichloro-2-buten	11.93	75	252559	155.648	ug/l #	1

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

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QLast Update : Mon Jun 25 07:29:35 2018
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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: VD059504.D

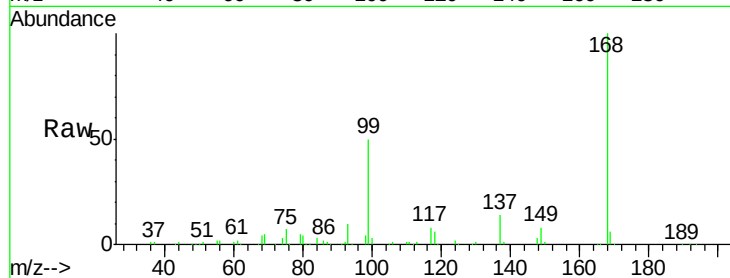
Acq: 29 Jun 2018 21:05

Tot Ion:168 Resp: 1021284

Ion Ratio Lower Upper

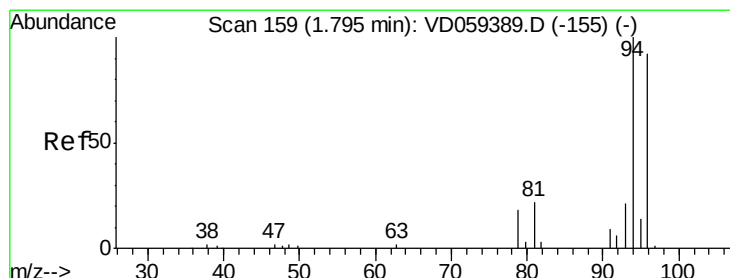
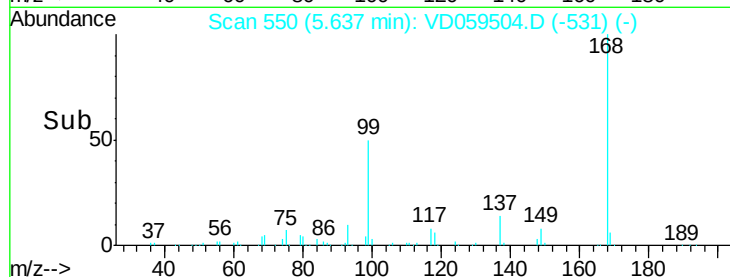
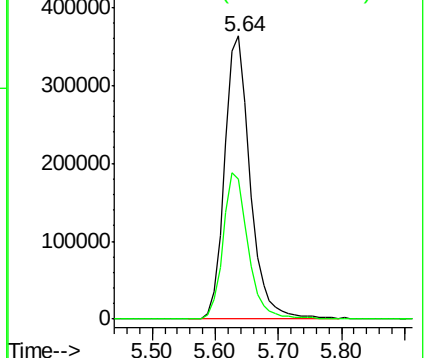
168 100

99 49.5 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: 1.80 min Scan# 160

Delta R.T. 0.00 min

Lab File: VD059504.D

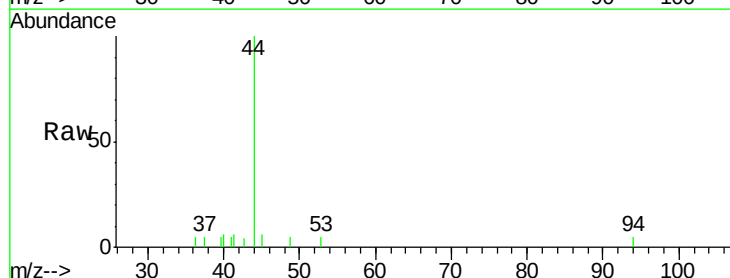
Acq: 29 Jun 2018 21:05

Tgt Ion: 94 Resp: 214

Ion Ratio Lower Upper

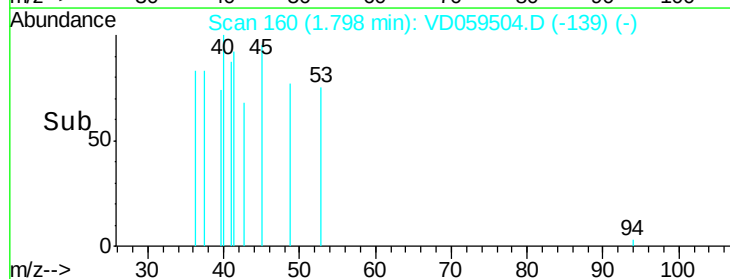
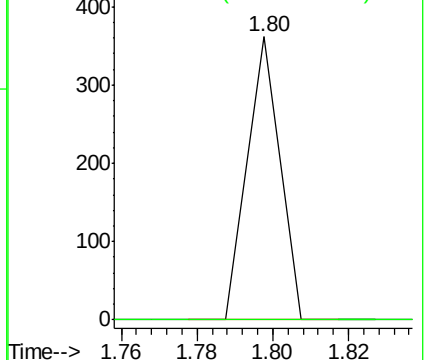
94 100

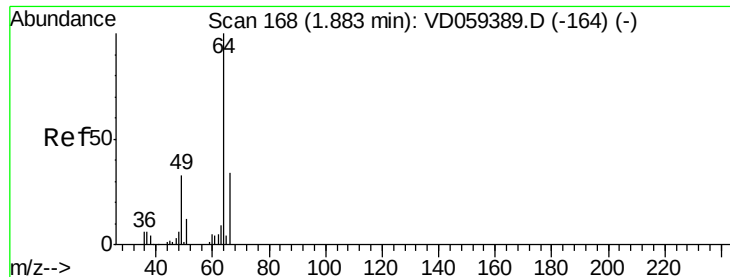
96 0.0 73.4 110.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#6

Chloroethane

Concen: 1.993 ug/l

RT: 1.74 min Scan# 154

Delta R.T. -0.14 min

Lab File: VD059504.D

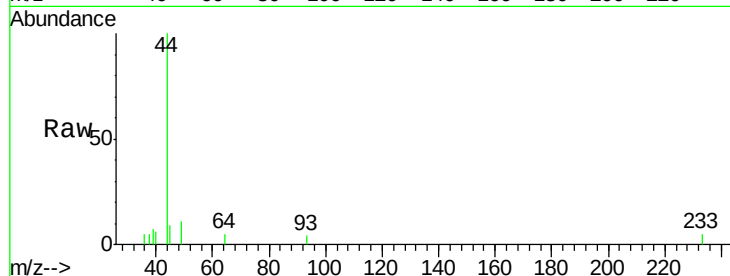
Acq: 29 Jun 2018 21:05

Tot Ion: 64 Resp: 190

Ion Ratio Lower Upper

64 100

66 0.0 27.1 40.7#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

1.74

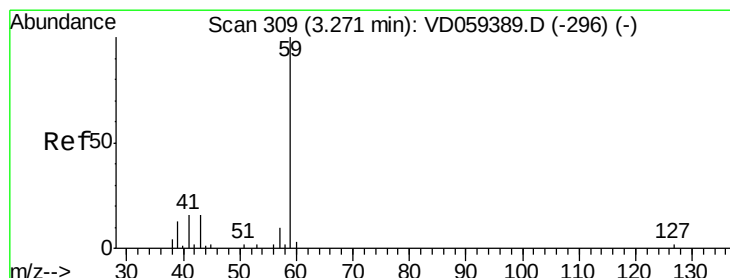
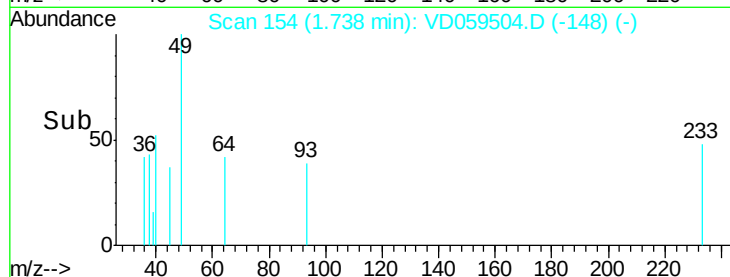
300

200

100

0

Time--> 1.70 1.72 1.74 1.76



#11

Tert butyl alcohol

Concen: 1.176 ug/l

RT: 3.23 min Scan# 306

Delta R.T. -0.04 min

Lab File: VD059504.D

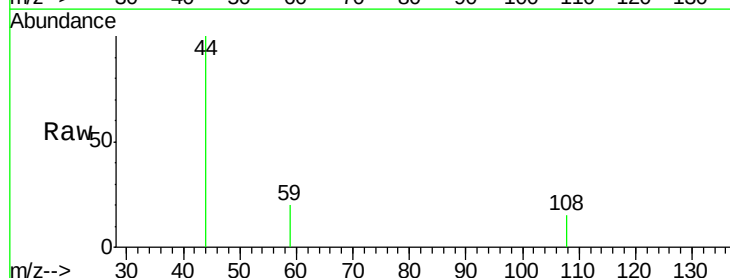
Acq: 29 Jun 2018 21:05

Tgt Ion: 59 Resp: 425

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

3.23

400

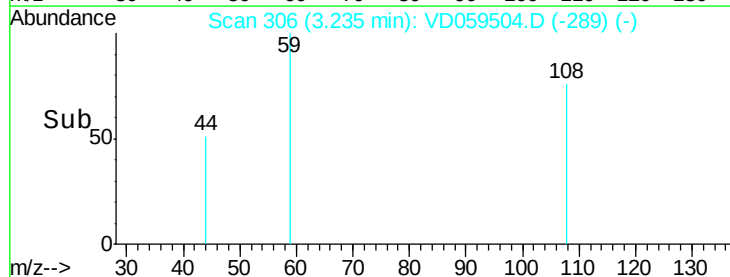
300

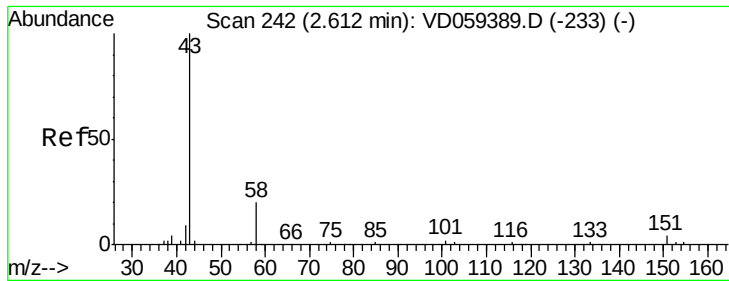
200

100

0

Time--> 3.20 3.22 3.24 3.26





#16

Acetone

Concen: 4.937 ug/l

RT: 2.60 min Scan# 242

Delta R.T. -0.01 min

Lab File: VD059504.D

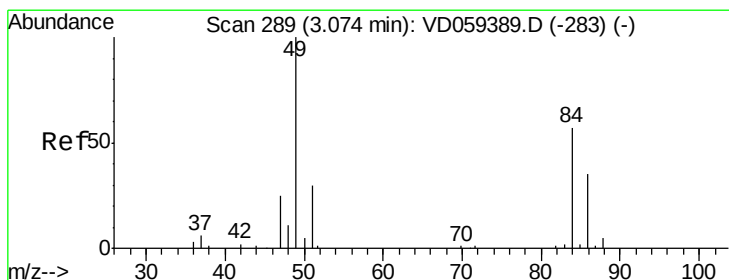
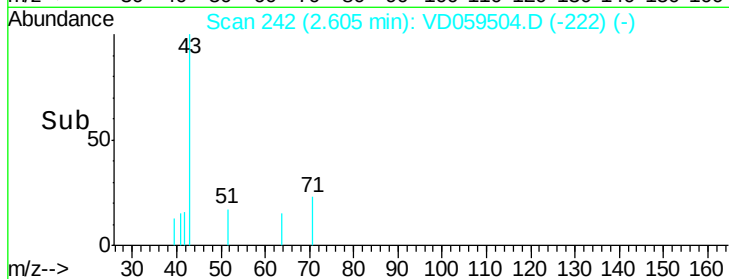
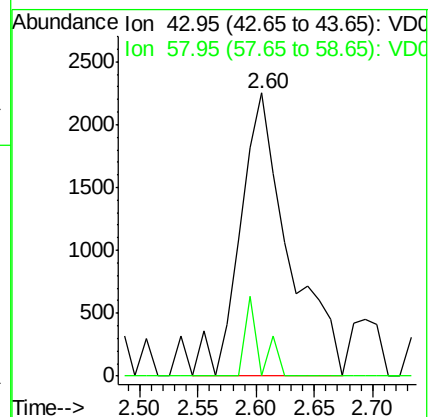
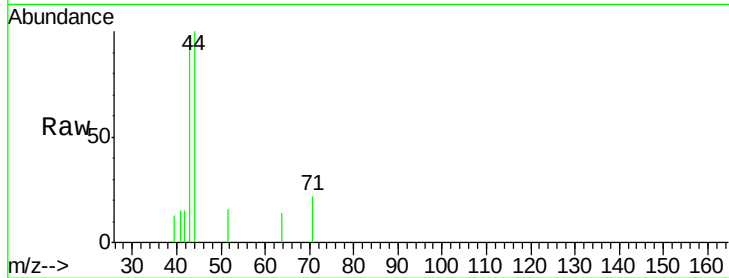
Acq: 29 Jun 2018 21:05

Tot Ion: 43 Resp: 6508

Ion Ratio Lower Upper

43 100

58 0.0 16.8 25.2#



#20

Methylene Chloride

Concen: 2.890 ug/l

RT: 3.06 min Scan# 288

Delta R.T. -0.02 min

Lab File: VD059504.D

Acq: 29 Jun 2018 21:05

Tgt Ion: 84 Resp: 19157

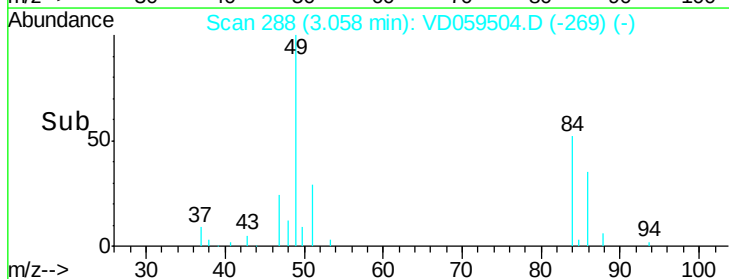
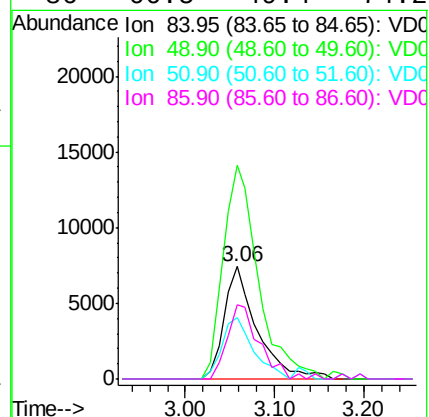
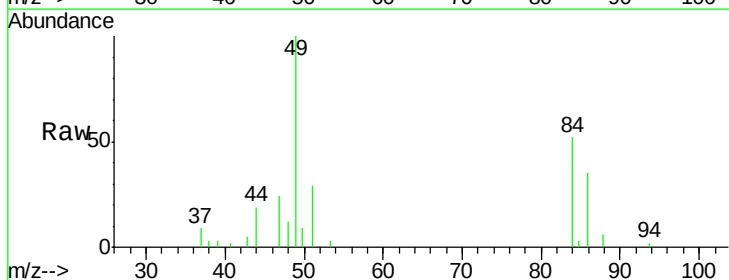
Ion Ratio Lower Upper

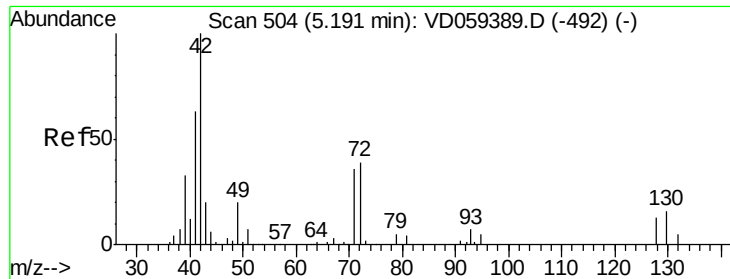
84 100

49 190.5 140.3 210.5

51 54.4 41.6 62.4

86 66.5 49.4 74.2





#29

Tetrahydrofuran

Concen: 1.387 ug/l

RT: 5.19 min Scan# 505

Delta R.T. 0.00 min

Lab File: VD059504.D

Acq: 29 Jun 2018 21:05

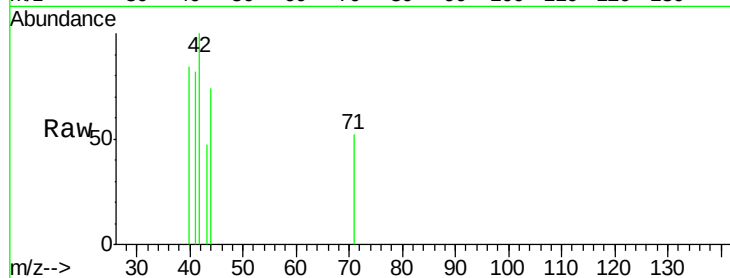
Tot Ion: 42 Resp: 2095

Ion Ratio Lower Upper

42 100

72 12.0 31.4 47.2#

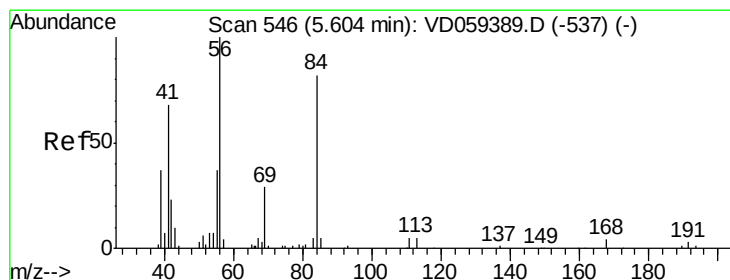
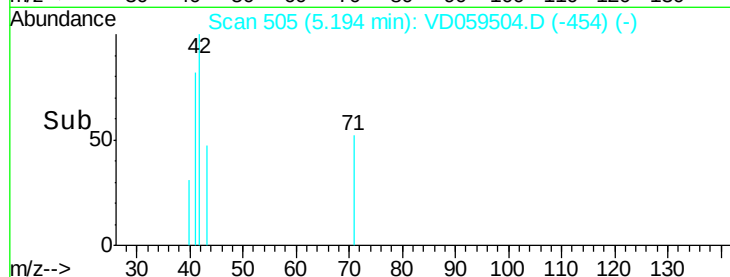
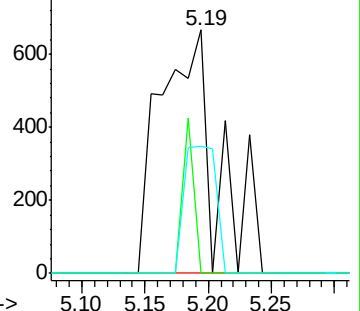
71 29.1 29.7 44.5#



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: 5.64 min Scan# 550

Delta R.T. 0.03 min

Lab File: VD059504.D

Acq: 29 Jun 2018 21:05

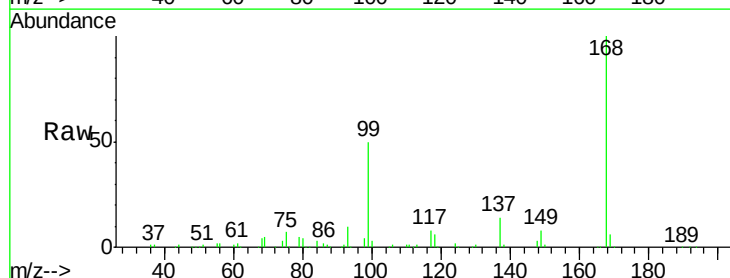
Tgt Ion: 56 Resp: 23036

Ion Ratio Lower Upper

56 100

69 214.1 22.9 34.3#

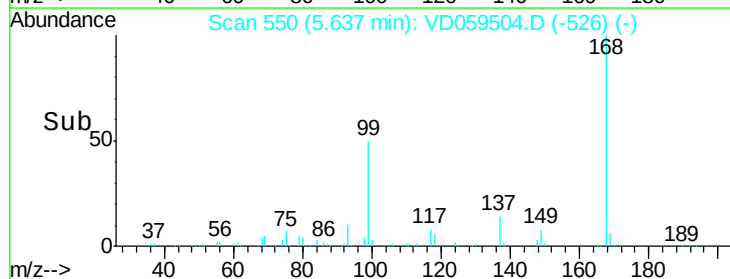
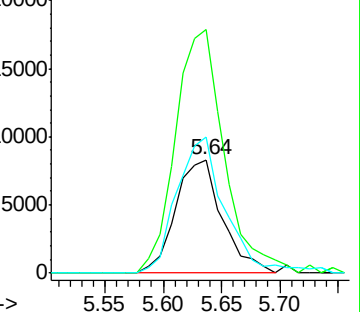
84 119.1 67.3 100.9#

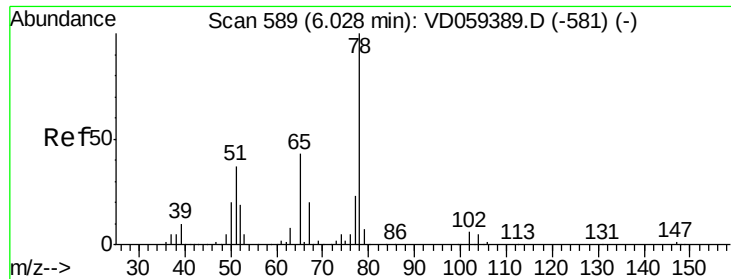


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

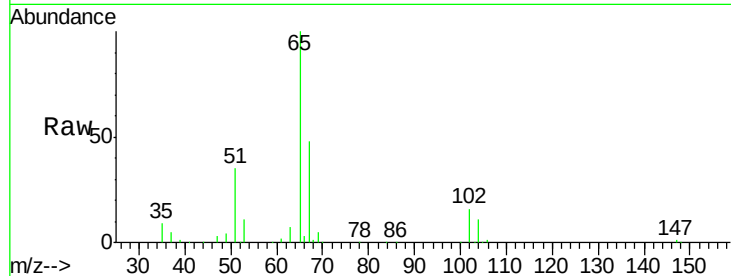
Ion 84.05 (83.75 to 84.75): VDC



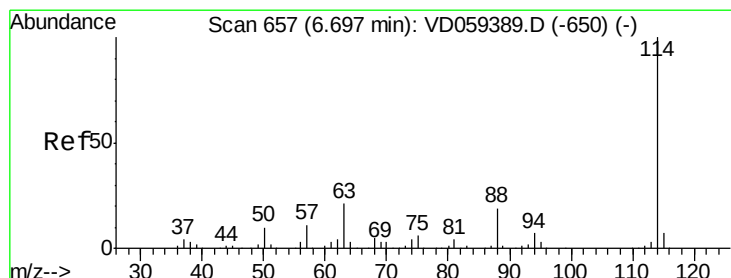
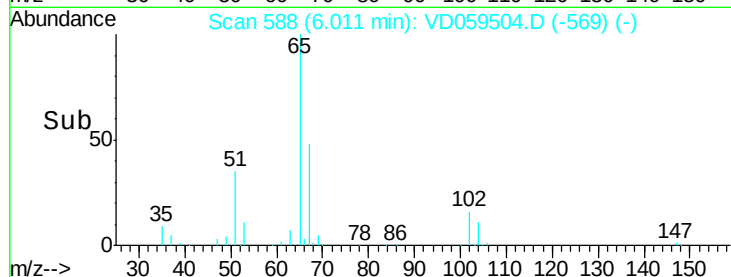
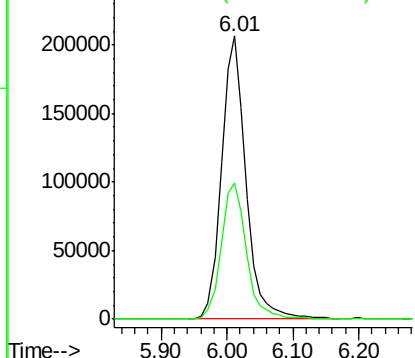


#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.01 min Scan# 588
 Delta R.T. -0.02 min
 Lab File: VD059504.D
 Acq: 29 Jun 2018 21:05

Tot Ion: 65 Resp: 532872
 Ion Ratio Lower Upper
 65 100
 67 48.0 0.0 93.8

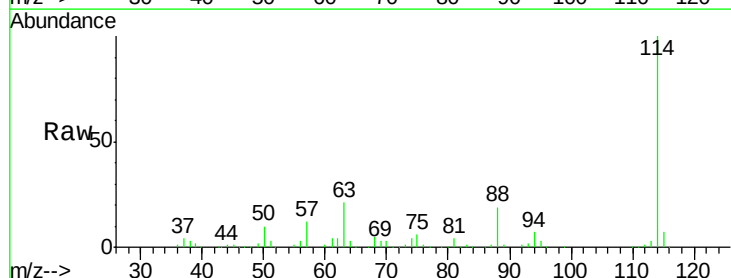


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

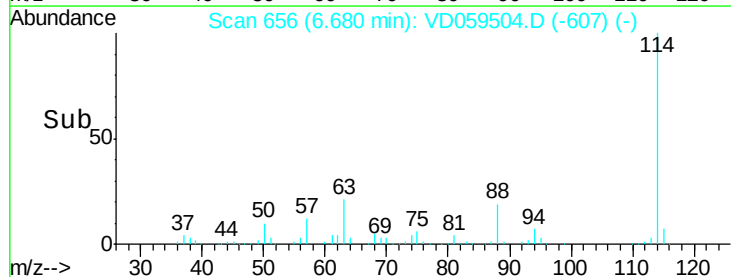
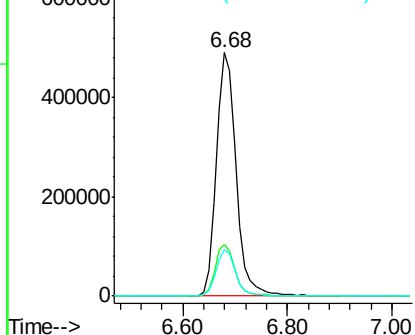


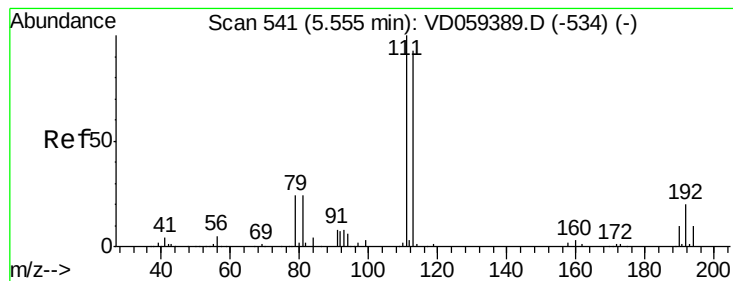
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.68 min Scan# 656
 Delta R.T. -0.02 min
 Lab File: VD059504.D
 Acq: 29 Jun 2018 21:05

Tgt Ion: 114 Resp: 1293819
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 42.4
 88 19.3 0.0 38.0



Abundance Ion 114.00 (113.70 to 114.70): VDC
 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: 5.54 min Scan# 540

Delta R.T. -0.02 min

Lab File: VD059504.D

Acq: 29 Jun 2018 21:05

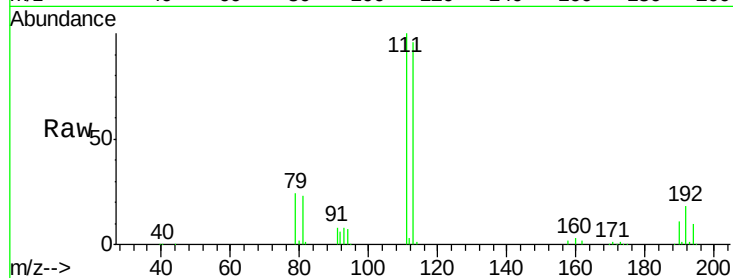
Tot Ion:113 Resp: 616660

Ion Ratio Lower Upper

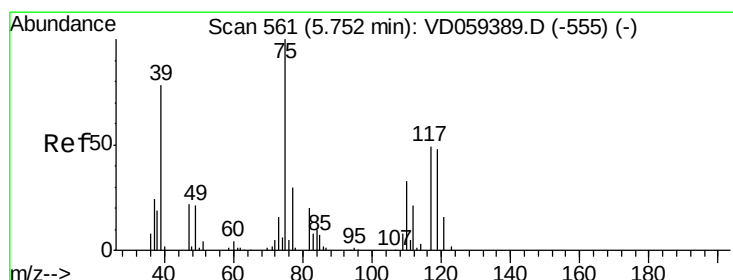
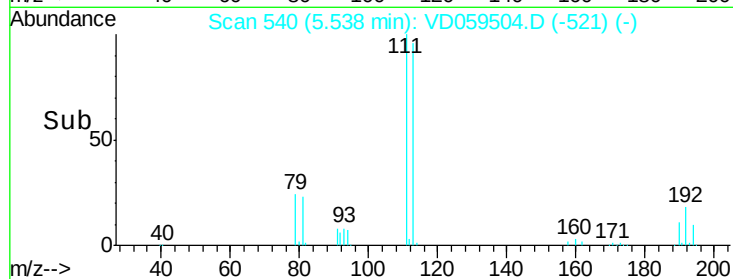
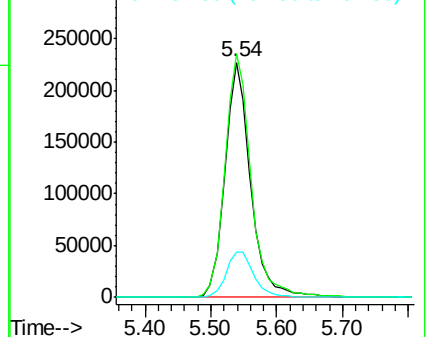
113 100

111 103.7 85.7 128.5

192 19.0 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



#36

1,1-Dichloropropene

Concen: 6.778 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.13 min

Lab File: VD059504.D

Acq: 29 Jun 2018 21:05

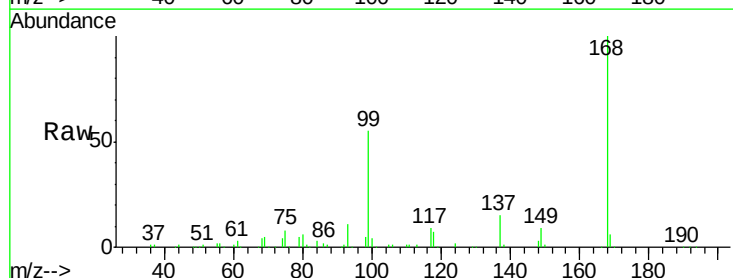
Tgt Ion: 75 Resp: 79550

Ion Ratio Lower Upper

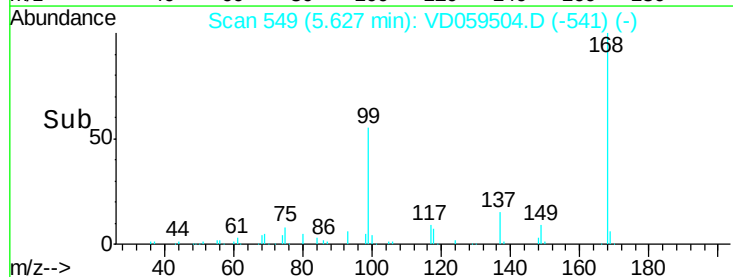
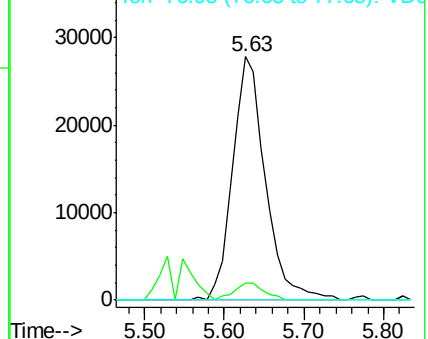
75 100

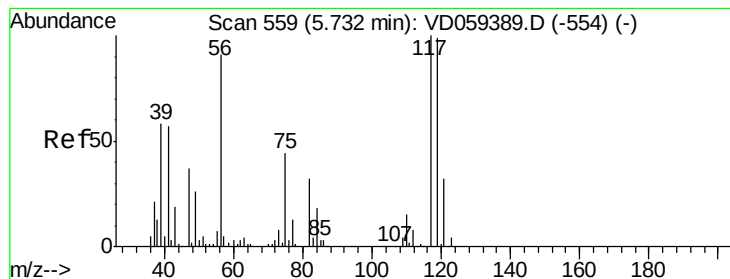
110 6.9 16.1 48.2#

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





#38

Carbon Tetrachloride

Concen: 6.801 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.11 min

Lab File: VD059504.D

Acq: 29 Jun 2018 21:05

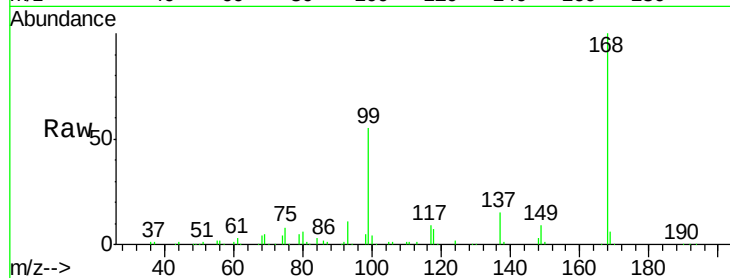
Tot Ion:117 Resp: 82295

Ion Ratio Lower Upper

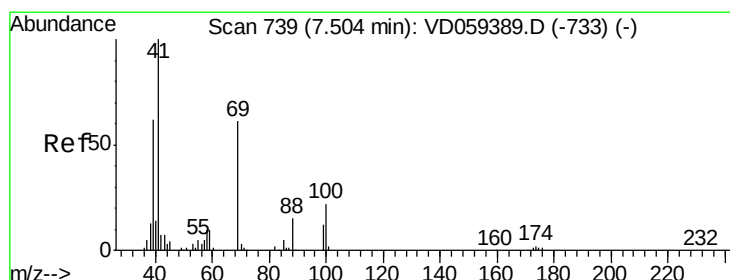
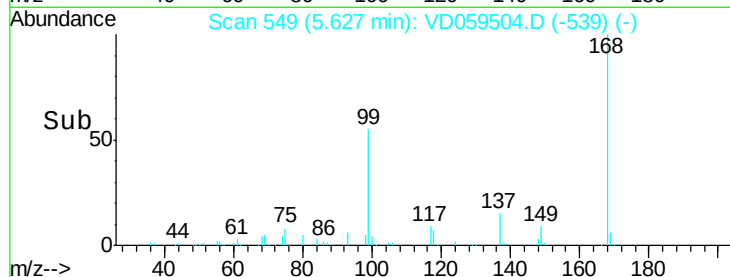
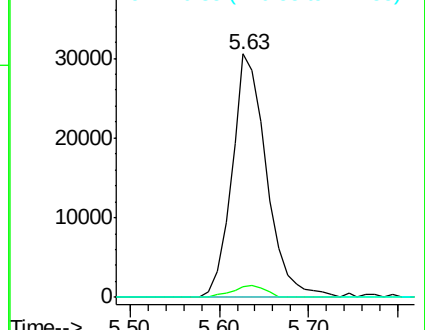
117 100

119 4.2 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



#49

1,4-Dioxane

Concen: 3.610 ug/l

RT: 7.06 min Scan# 695

Delta R.T. -0.44 min

Lab File: VD059504.D

Acq: 29 Jun 2018 21:05

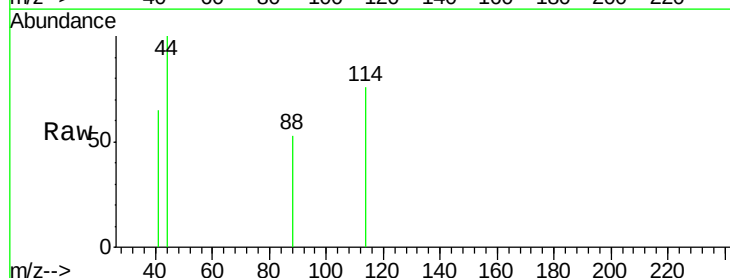
Tgt Ion: 88 Resp: 198

Ion Ratio Lower Upper

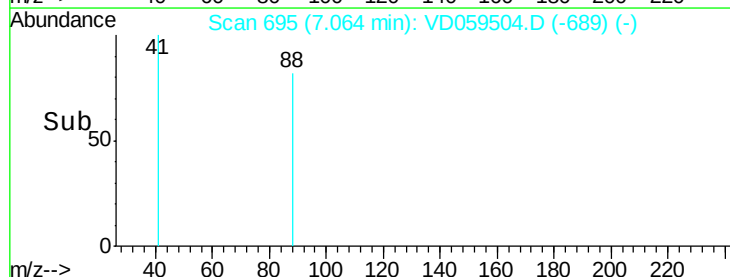
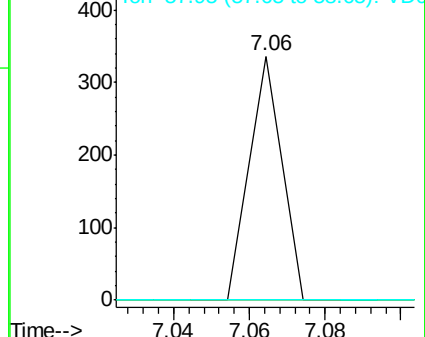
88 100

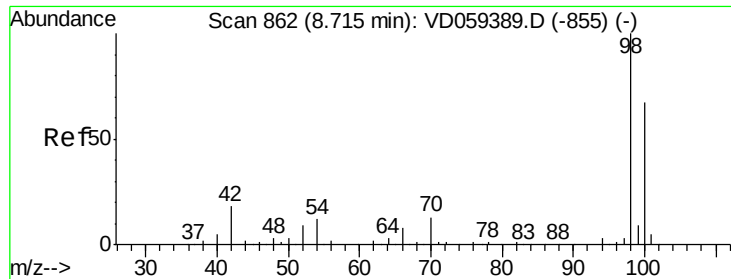
43 0.0 41.0 61.4#

58 0.0 53.4 80.0#



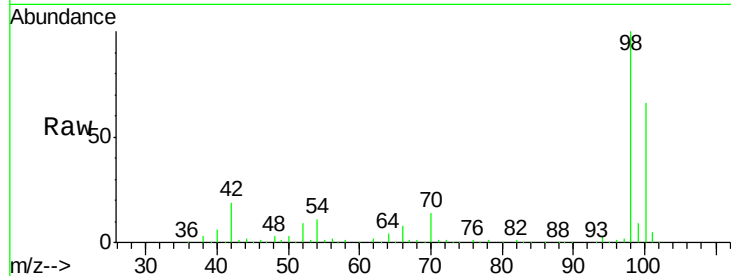
Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC



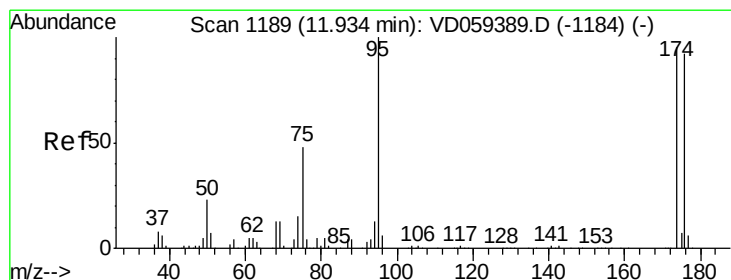
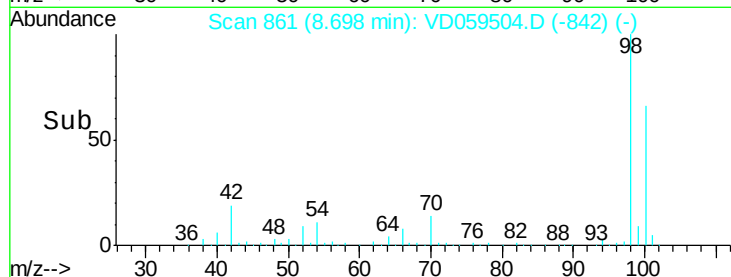
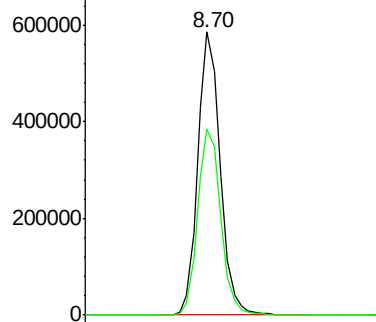


#50
Toluene-d8
Concen: 3.610 ug/l
RT: 8.70 min Scan# 861
Delta R.T. -0.02 min
Lab File: VD059504.D
Acq: 29 Jun 2018 21:05

Tot Ion: 98 Resp: 1313770
Ion Ratio Lower Upper
98 100
100 65.6 54.4 81.6

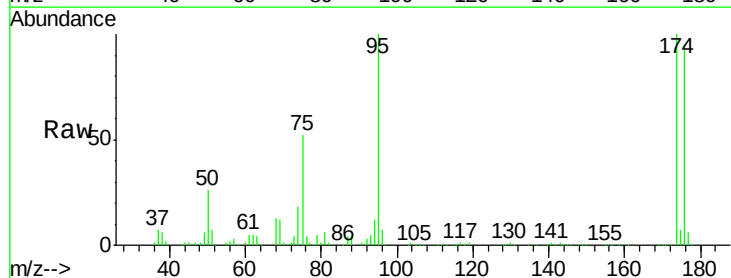


Abundance Ion 98.05 (97.75 to 98.75): VD059389.D (-855) (-)
Ion 100.05 (99.75 to 100.75): VD059389.D (-855) (-)

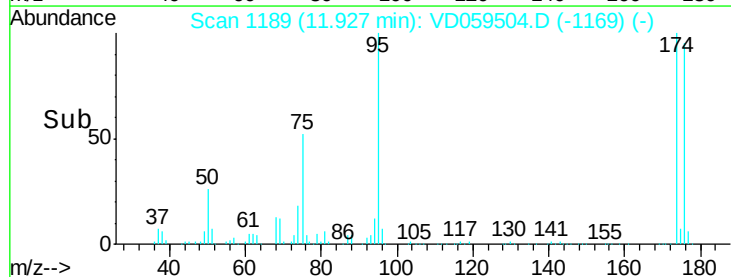
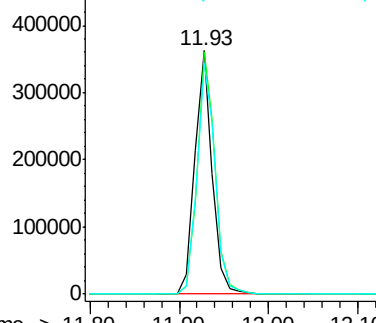


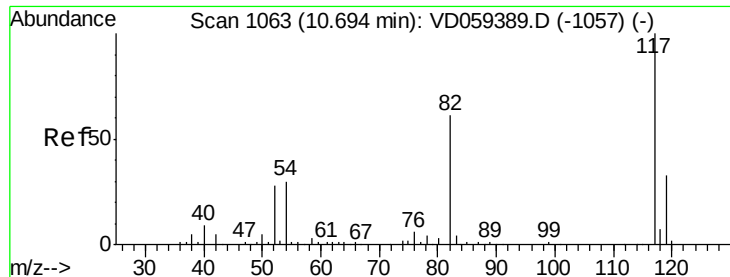
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.93 min Scan# 1189
Delta R.T. -0.01 min
Lab File: VD059504.D
Acq: 29 Jun 2018 21:05

Tgt Ion: 95 Resp: 497316
Ion Ratio Lower Upper
95 100
174 99.7 0.0 190.4
176 94.9 0.0 183.2



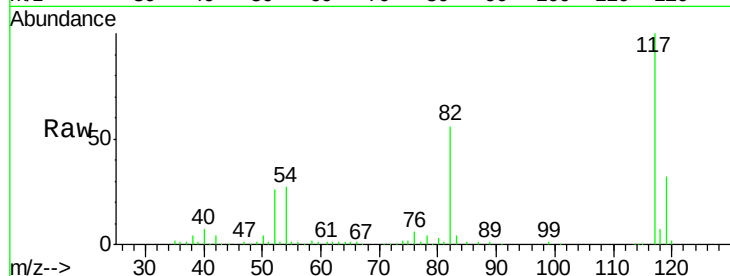
Abundance Ion 95.00 (94.70 to 95.70): VD059389.D (-1184) (-)
Ion 173.90 (173.60 to 174.60): VD059389.D (-1184) (-)
Ion 175.90 (175.60 to 176.60): VD059389.D (-1184) (-)



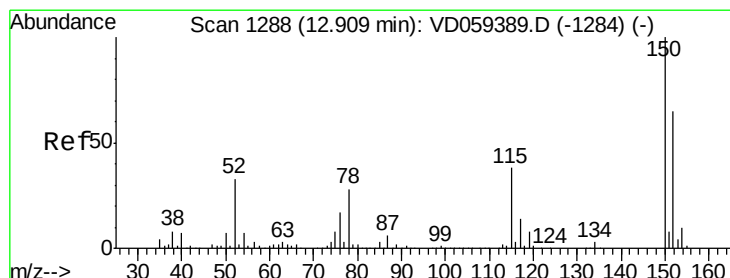
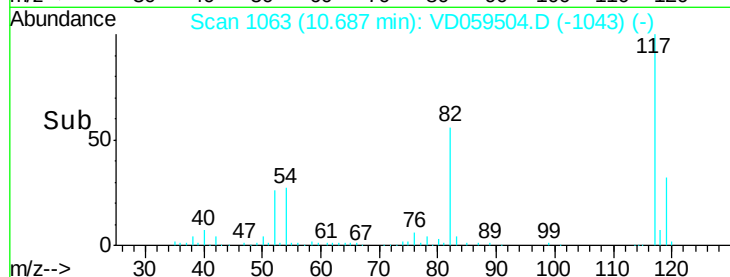
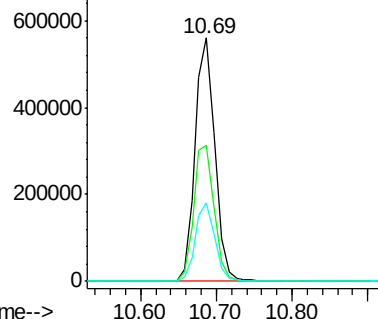


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. -0.01 min
Lab File: VD059504.D
Acq: 29 Jun 2018 21:05

Tot Ion:117 Resp: 1024573
Ion Ratio Lower Upper
117 100
82 56.2 49.0 73.6
119 32.3 26.2 39.4

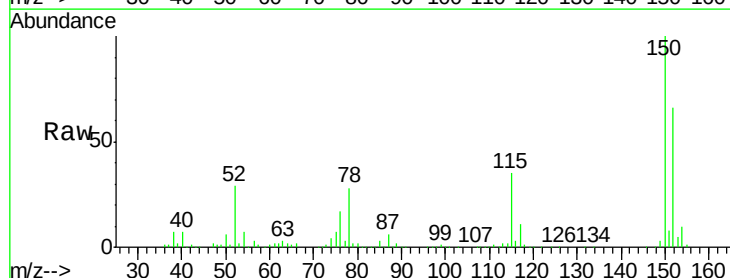


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

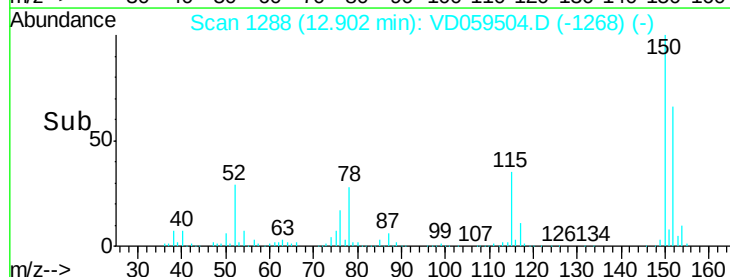
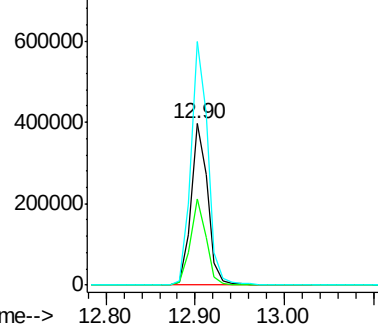


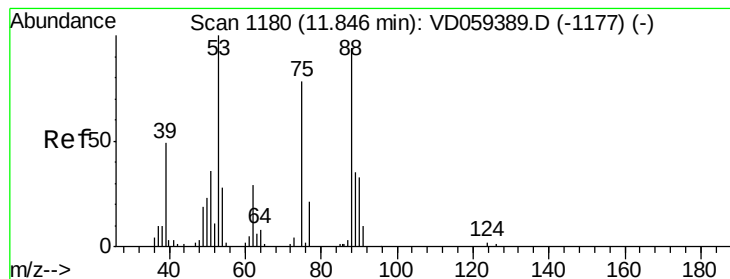
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VD059504.D
Acq: 29 Jun 2018 21:05

Tgt Ion:152 Resp: 517563
Ion Ratio Lower Upper
152 100
115 53.0 29.4 88.3
150 150.9 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: 155.648 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.08 min

Lab File: VD059504.D

Acq: 29 Jun 2018 21:05

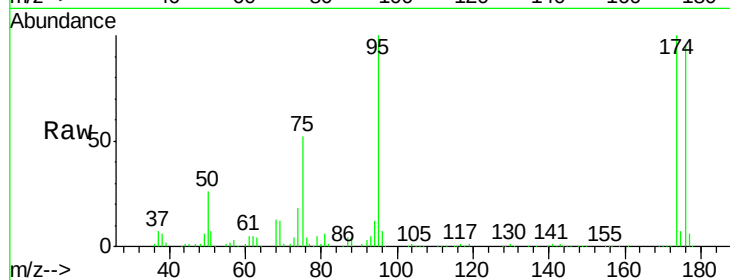
Tot Ion: 75 Resp: 252559

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

