

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062918\
 Data File : VD059490.D
 Acq On : 29 Jun 2018 14:27
 Operator : VA/AP
 Sample : J3677-04RE
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 30 00:25:51 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	661862	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.68	114	819345	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.69	117	638331	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	351777	50.00	ug/l	0.00

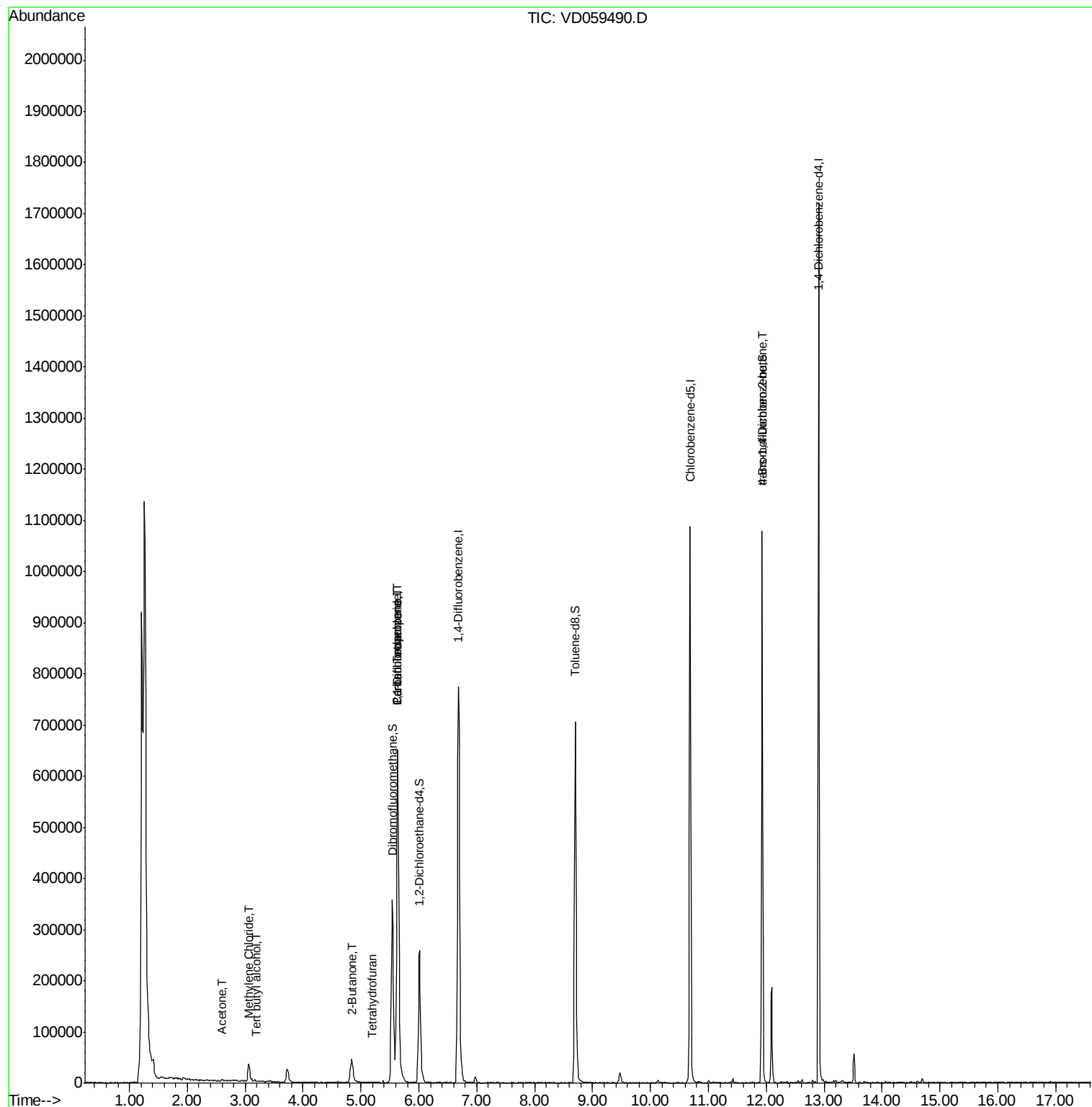
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	254281	37.57	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	75.14%	
35) Dibromofluoromethane	5.54	113	288271	43.19	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	86.38%	
50) Toluene-d8	8.70	98	551118	35.32	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	70.64%	
62) 4-Bromofluorobenzene	11.93	95	263917	40.67	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	81.34%	

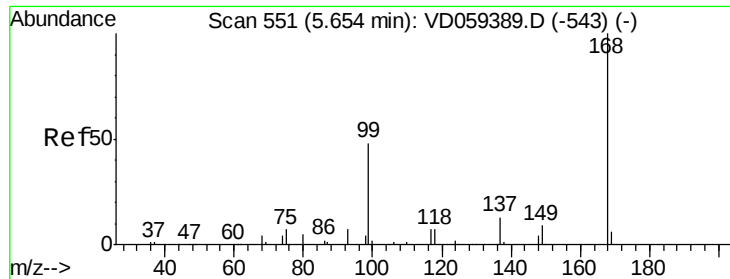
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.78	94	217	Below Cal	#	4
11) Tert butyl alcohol	3.19	59	986	4.211	ug/l #	72
16) Acetone	2.61	43	7562	8.852	ug/l	98
18) Methyl Acetate	2.94	43	191	Below Cal	#	66
20) Methylene Chloride	3.06	84	18442	5.567	ug/l #	91
25) 2-Butanone	4.84	43	3359	1.877	ug/l #	57
29) Tetrahydrofuran	5.20	42	1018	1.040	ug/l #	37
31) Cyclohexane	5.63	56	14962	Below Cal	#	1
36) 1,1-Dichloropropene	5.63	75	52086	7.008	ug/l #	48
38) Carbon Tetrachloride	5.64	117	54423	7.102	ug/l #	15
81) trans-1,4-Dichloro-2-buten	11.93	75	129262	117.206	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: 5.64 min Scan# 550

Delta R.T. -0.02 min

Lab File: VD059490.D

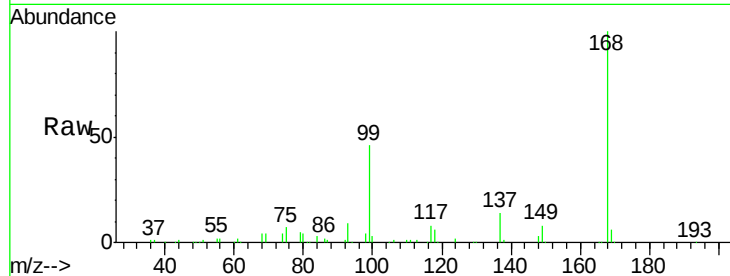
Acq: 29 Jun 2018 14:27

Tot Ion: 168 Resp: 661862

Ion Ratio Lower Upper

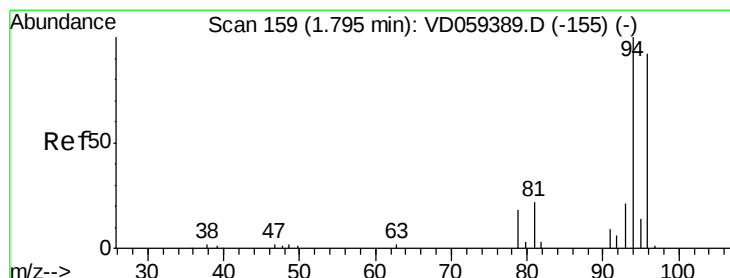
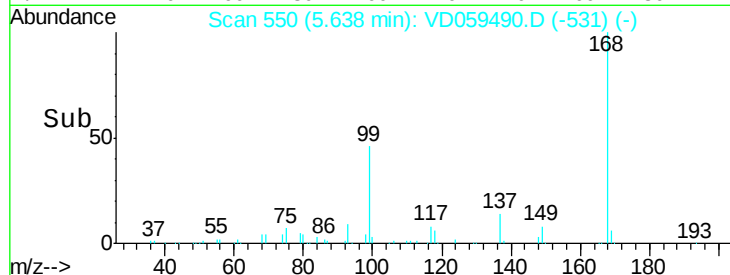
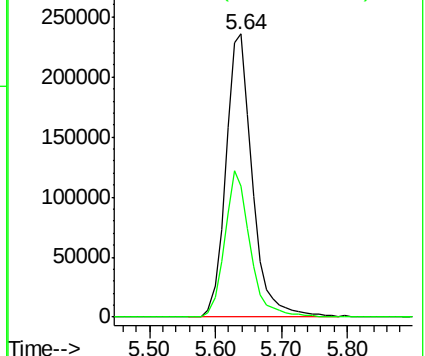
168 100

99 46.3 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: 1.78 min Scan# 158

Delta R.T. -0.01 min

Lab File: VD059490.D

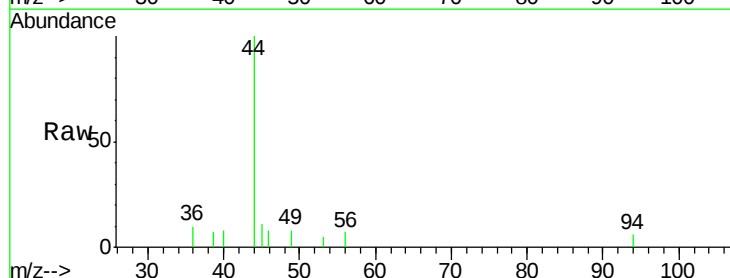
Acq: 29 Jun 2018 14:27

Tgt Ion: 94 Resp: 217

Ion Ratio Lower Upper

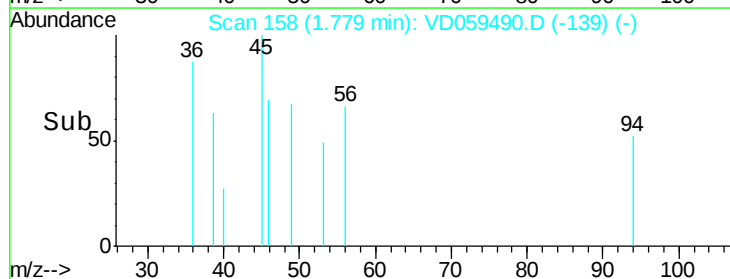
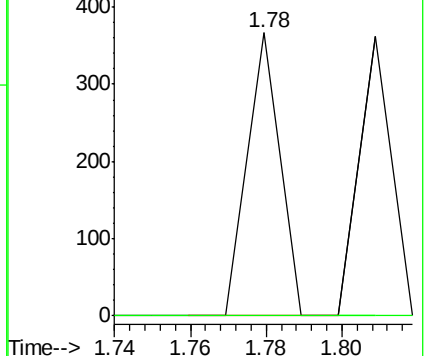
94 100

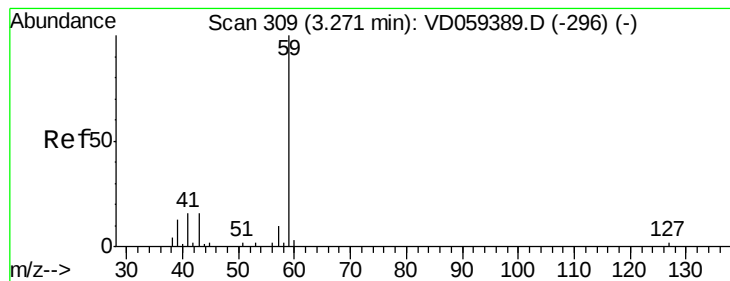
96 0.0 73.4 110.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#11

Tert butyl alcohol

Concen: 4.211 ug/l

RT: 3.19 min Scan# 301

Delta R.T. -0.08 min

Lab File: VD059490.D

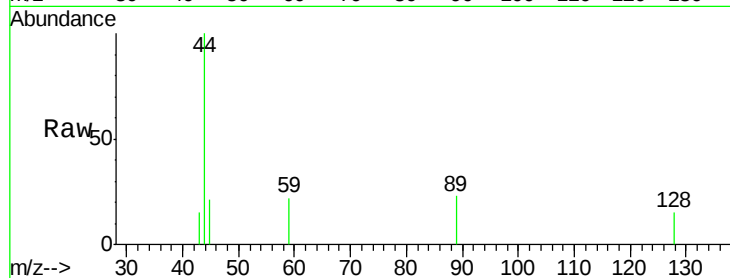
Acq: 29 Jun 2018 14:27

Tot Ion: 59 Resp: 986

Ion Ratio Lower Upper

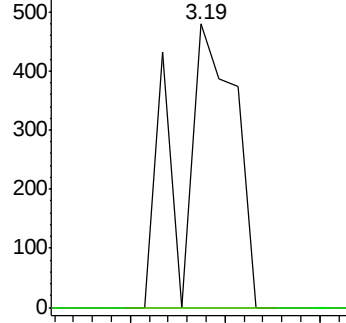
59 100

57 0.0 8.3 12.5#

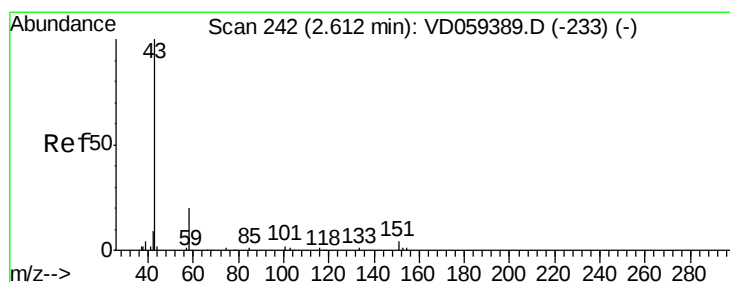
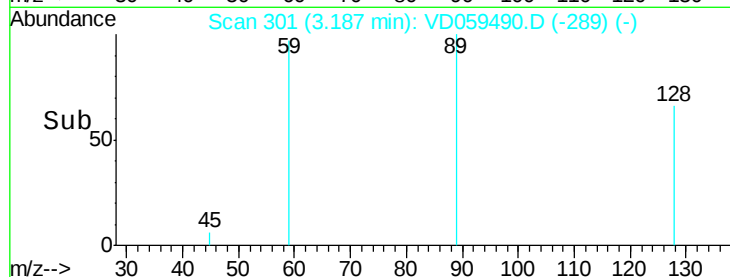


Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



Time-->



#16

Acetone

Concen: 8.852 ug/l

RT: 2.61 min Scan# 242

Delta R.T. -0.01 min

Lab File: VD059490.D

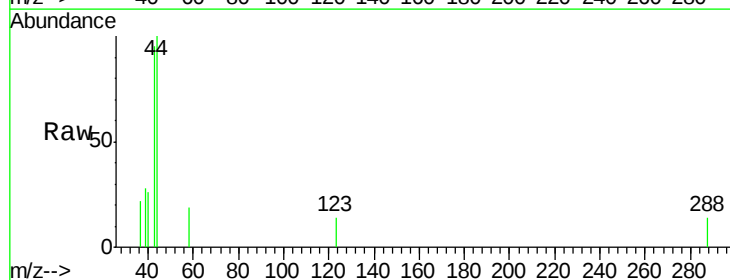
Acq: 29 Jun 2018 14:27

Tgt Ion: 43 Resp: 7562

Ion Ratio Lower Upper

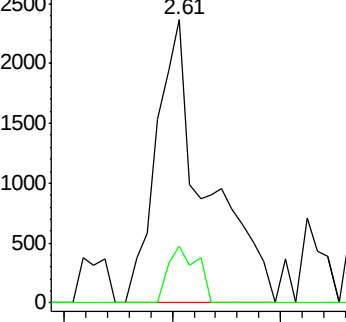
43 100

58 19.9 16.8 25.2

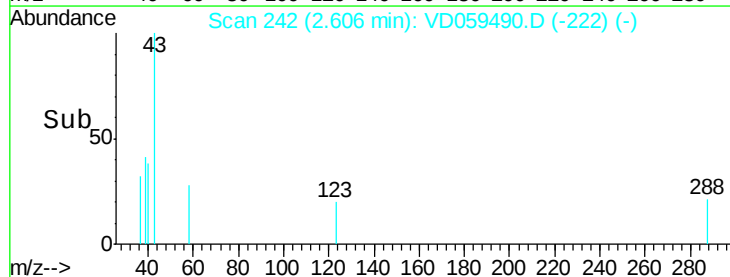


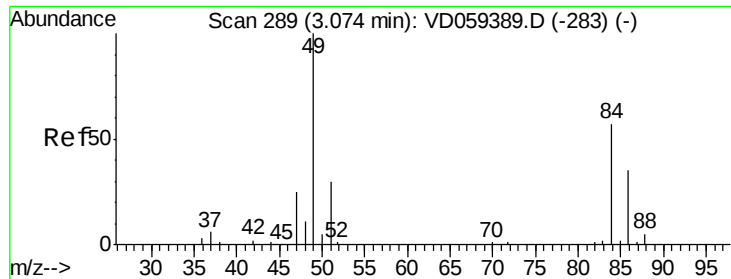
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



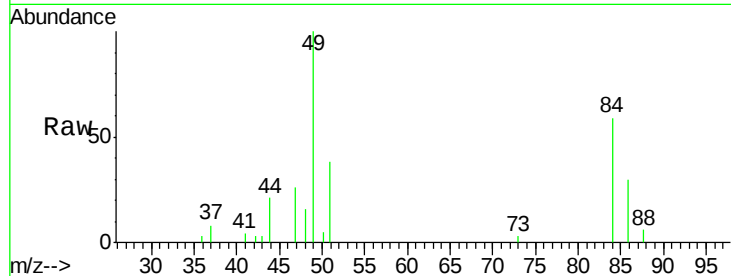
Time-->



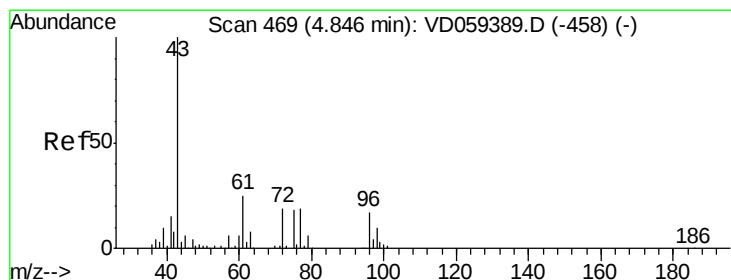
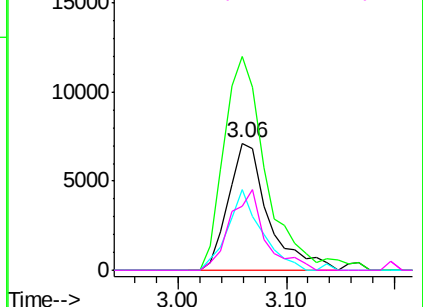
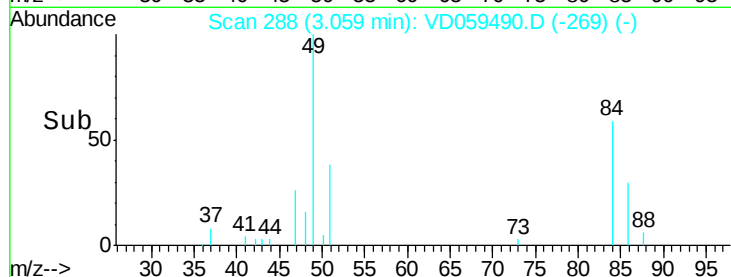


#20
Methvlene Chloride
Concen: 5.567 ug/l
RT: 3.06 min Scan# 288
Delta R.T. -0.01 min
Lab File: VD059490.D
Acq: 29 Jun 2018 14:27

Tot Ion: 84 Resp: 18442
Ion Ratio Lower Upper
84 100
49 168.2 140.3 210.5
51 63.4 41.6 62.4#
86 50.8 49.4 74.2

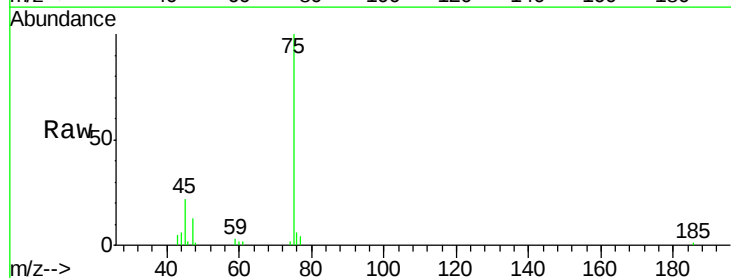


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

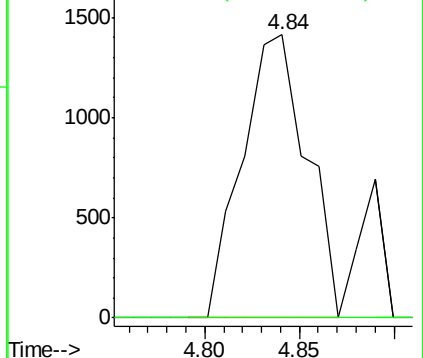
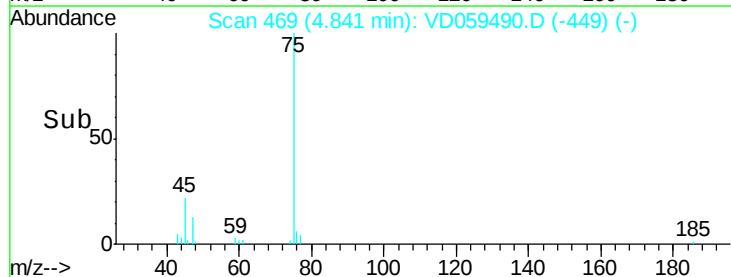


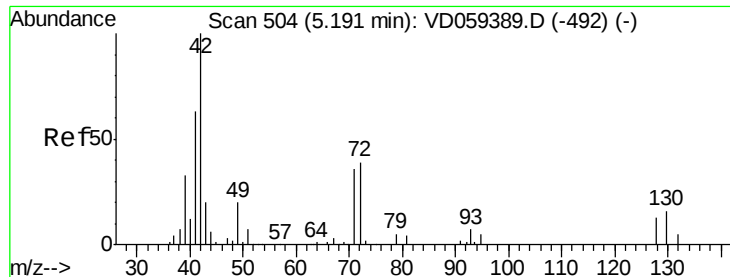
#25
2-Butanone
Concen: 1.877 ug/l
RT: 4.84 min Scan# 469
Delta R.T. -0.01 min
Lab File: VD059490.D
Acq: 29 Jun 2018 14:27

Tgt Ion: 43 Resp: 3359
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: 1.040 ug/l

RT: 5.20 min Scan# 505

Delta R.T. 0.00 min

Lab File: VD059490.D

Acq: 29 Jun 2018 14:27

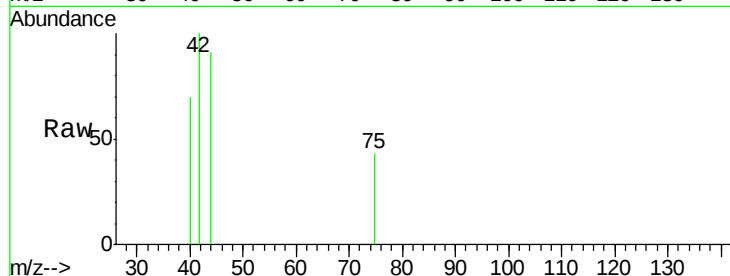
Tot Ion: 42 Resp: 1018

Ion Ratio Lower Upper

42 100

72 0.0 31.4 47.2#

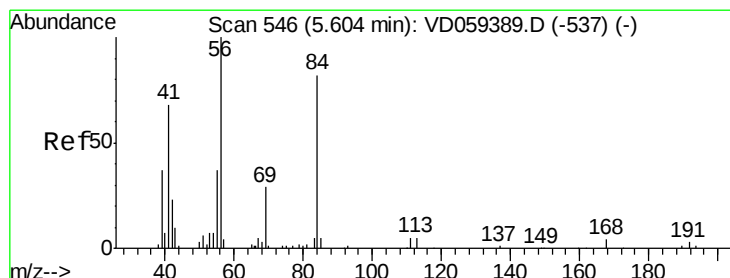
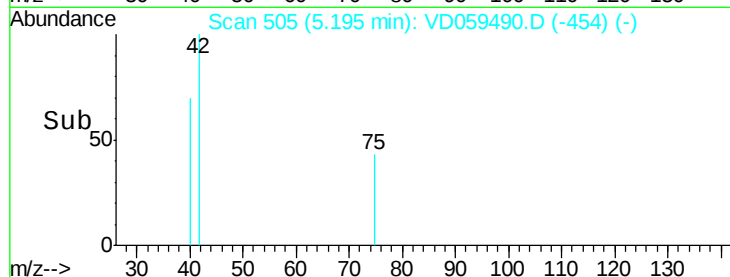
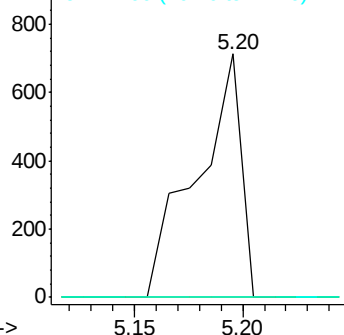
71 0.0 29.7 44.5#



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



#31

Cyclohexane

Concen: Below Cal

RT: 5.63 min Scan# 549

Delta R.T. 0.02 min

Lab File: VD059490.D

Acq: 29 Jun 2018 14:27

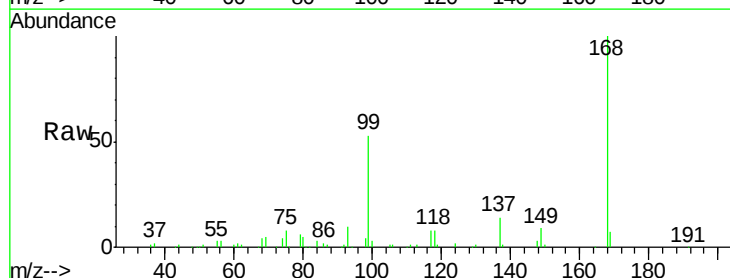
Tgt Ion: 56 Resp: 14962

Ion Ratio Lower Upper

56 100

69 200.8 22.9 34.3#

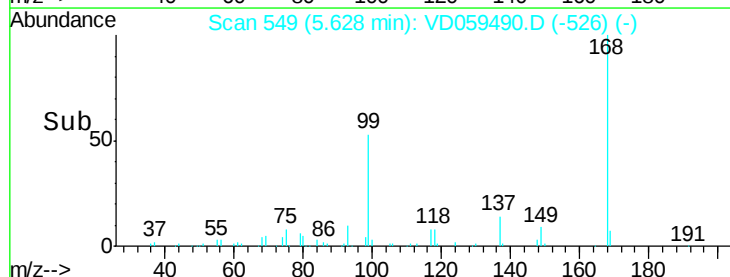
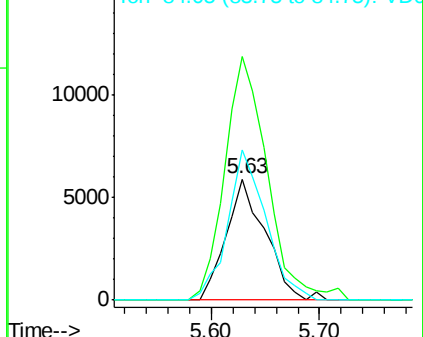
84 123.8 67.3 100.9#

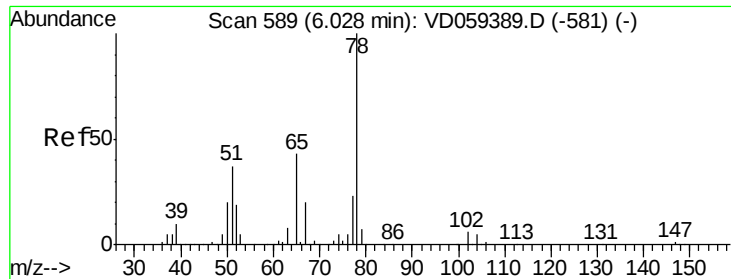


Abundance Ion 55.95 (55.65 to 56.65): VDC

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: VD059490.D

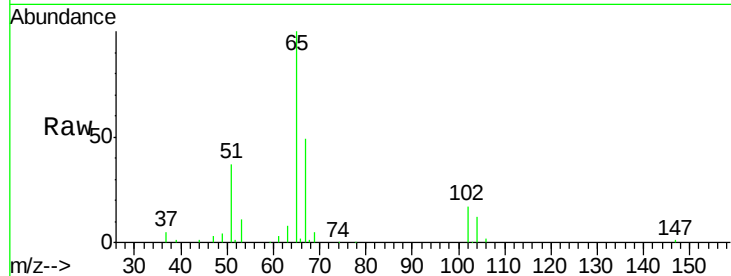
Acq: 29 Jun 2018 14:27

Tot Ion: 65 Resp: 254281

Ion Ratio Lower Upper

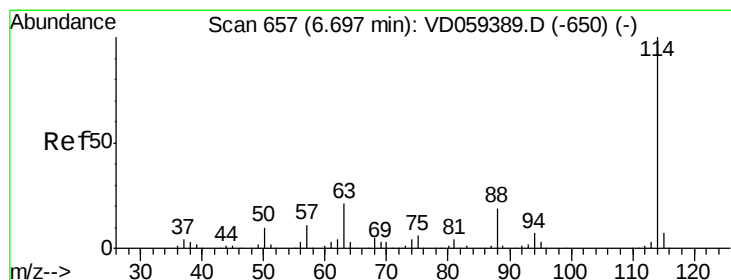
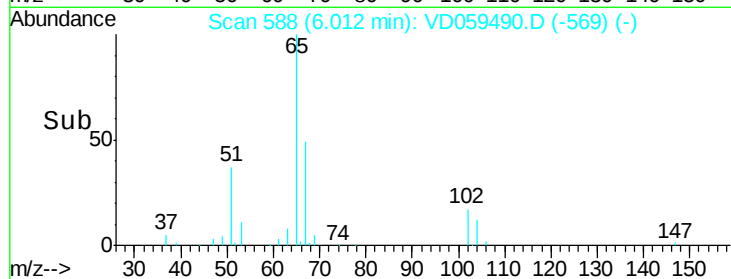
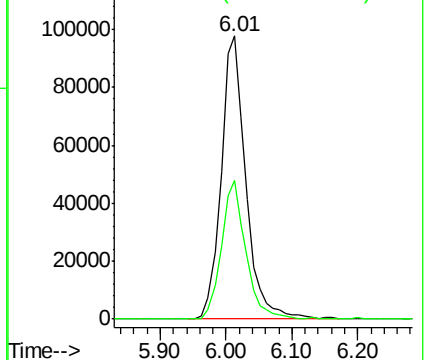
65 100

67 49.2 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: VD059490.D

Acq: 29 Jun 2018 14:27

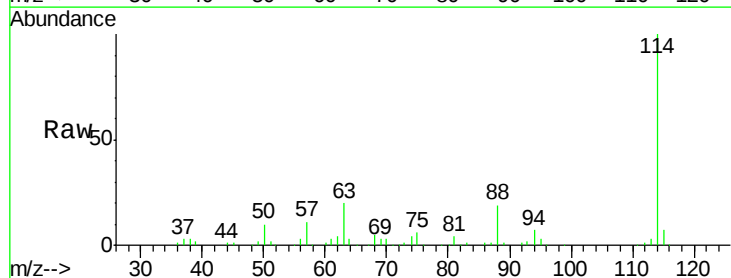
Tgt Ion: 114 Resp: 819345

Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.4

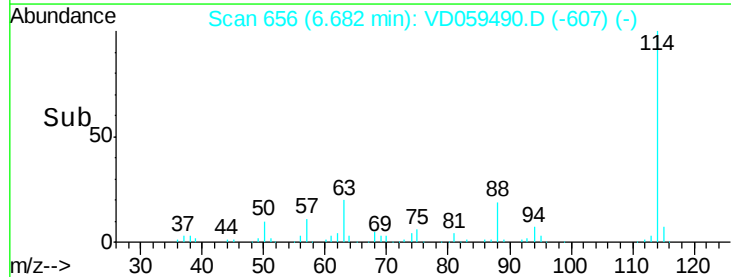
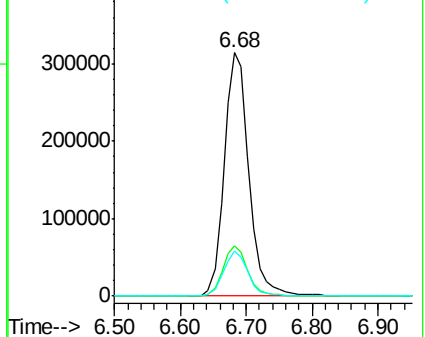
88 18.7 0.0 38.0

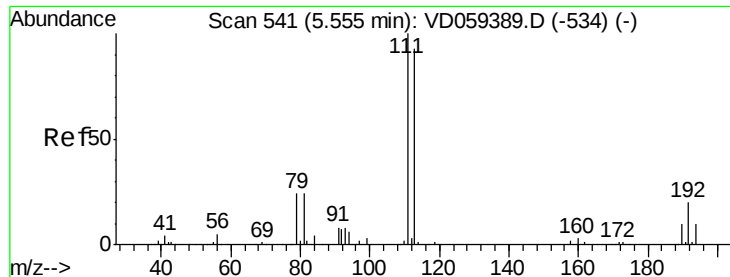


Abundance Ion 114.00 (113.70 to 114.70): V

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: 5.54 min Scan# 540

Delta R.T. -0.02 min

Lab File: VD059490.D

Acq: 29 Jun 2018 14:27

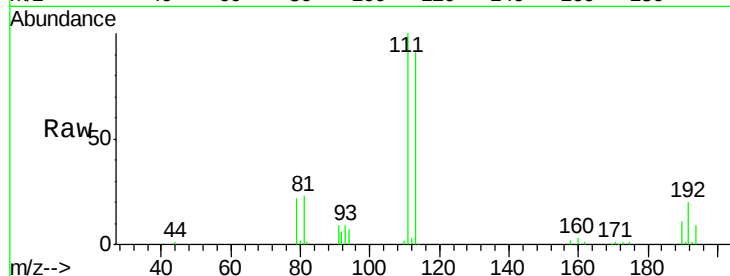
Tot Ion:113 Resp: 288271

Ion Ratio Lower Upper

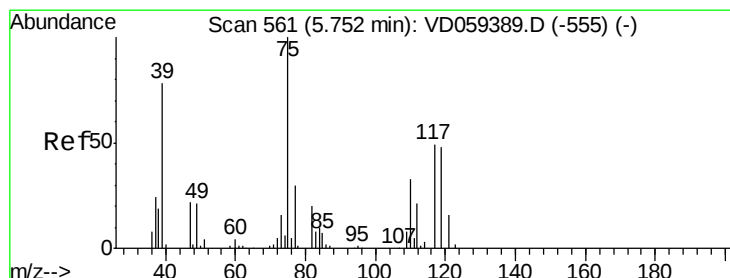
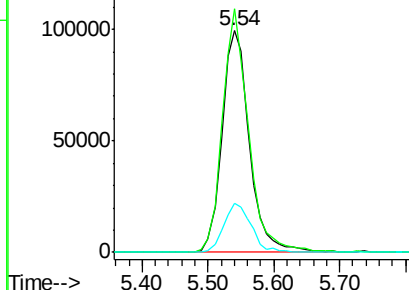
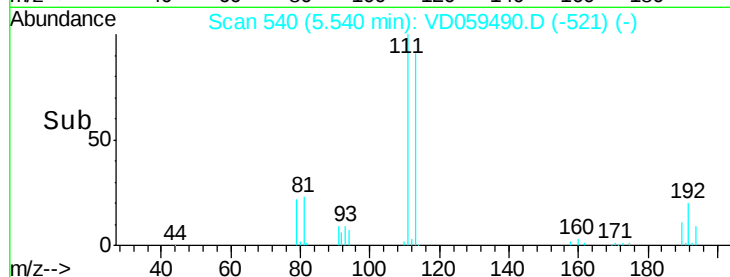
113 100

111 109.8 85.7 128.5

192 22.3 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: 7.008 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.12 min

Lab File: VD059490.D

Acq: 29 Jun 2018 14:27

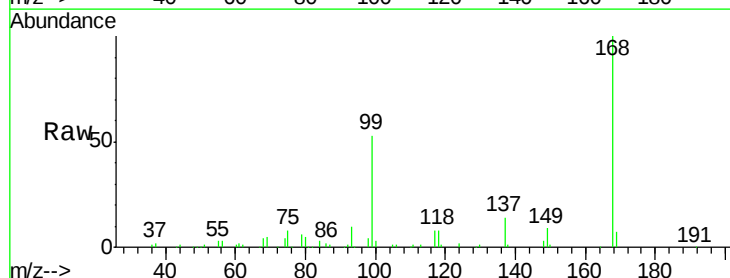
Tgt Ion: 75 Resp: 52086

Ion Ratio Lower Upper

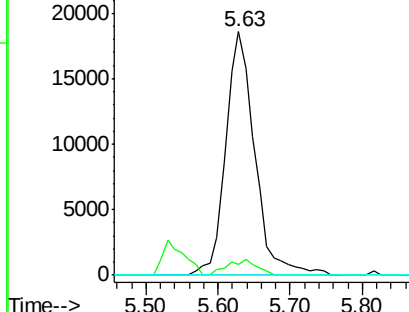
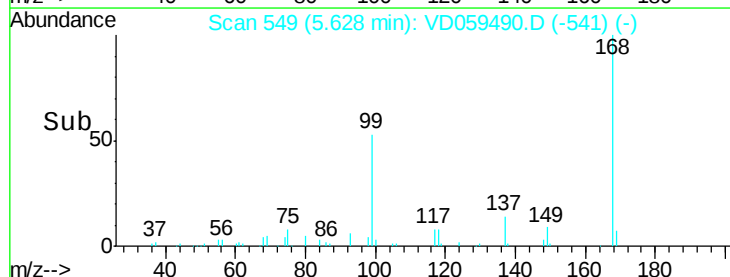
75 100

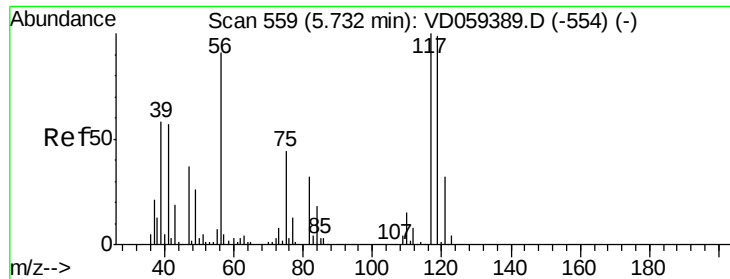
110 4.6 16.1 48.2#

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: 7.102 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.09 min

Lab File: VD059490.D

Acq: 29 Jun 2018 14:27

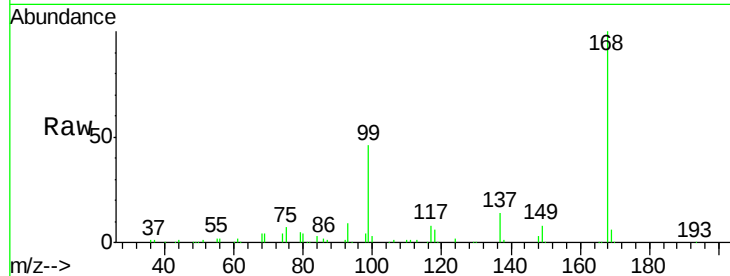
Tot Ion:117 Resp: 54423

Ion Ratio Lower Upper

117 100

119 3.9 76.6 115.0#

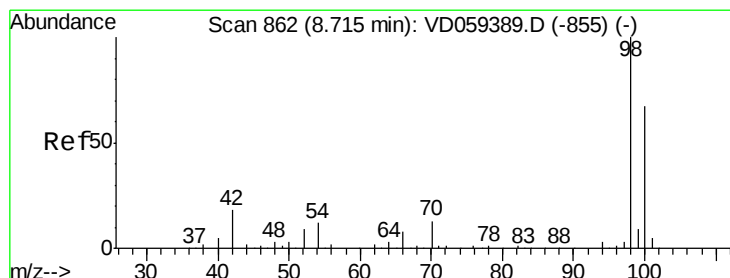
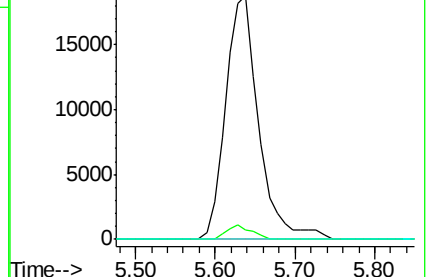
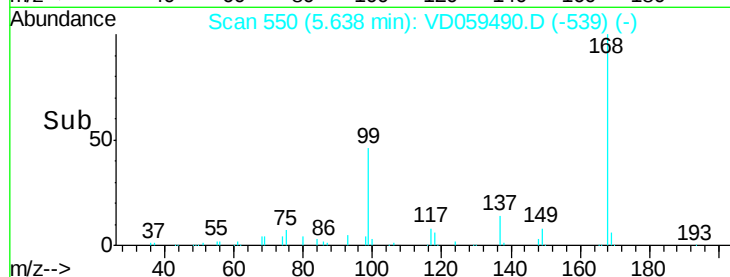
121 0.0 25.0 37.4#



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: VD059490.D

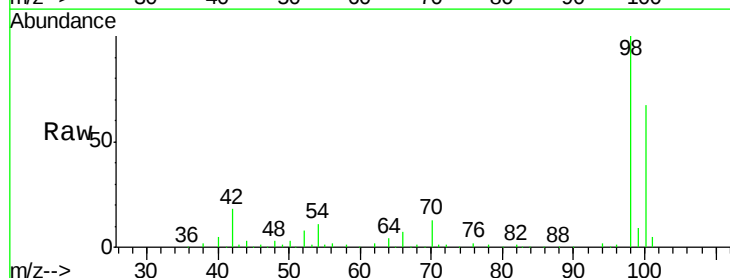
Acq: 29 Jun 2018 14:27

Tgt Ion: 98 Resp: 551118

Ion Ratio Lower Upper

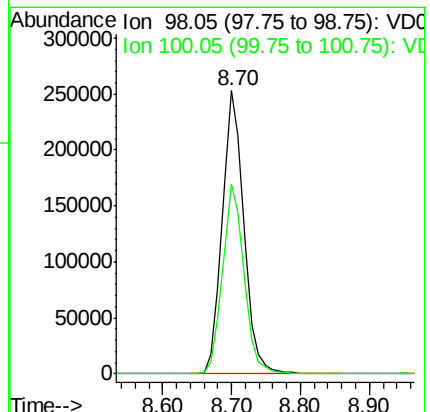
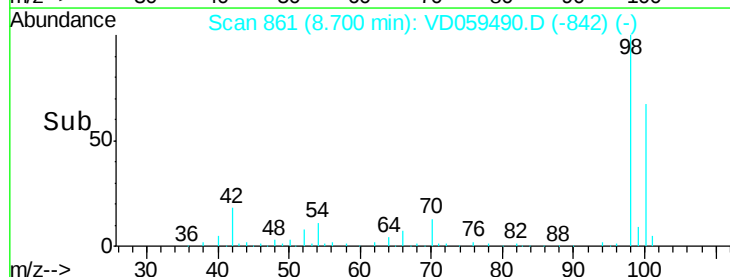
98 100

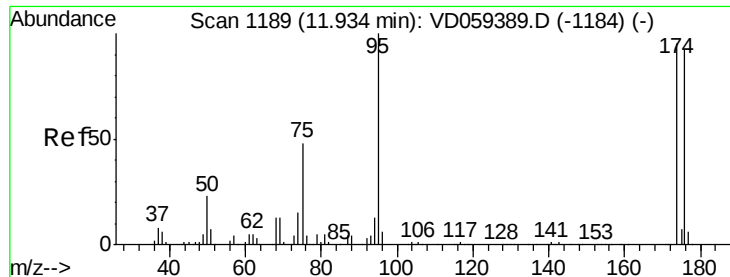
100 66.9 54.4 81.6



Abundance Ion 98.05 (97.75 to 98.75): V

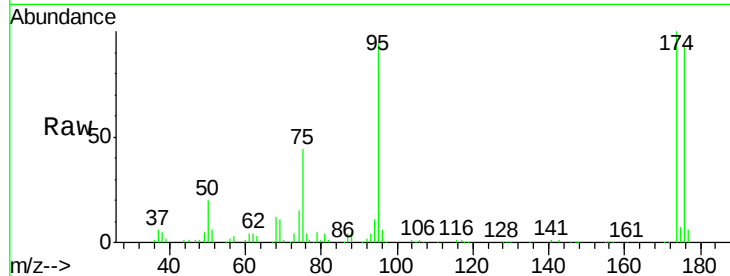
Ion 100.05 (99.75 to 100.75): V



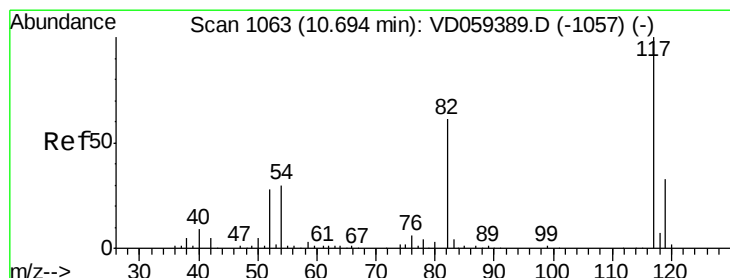
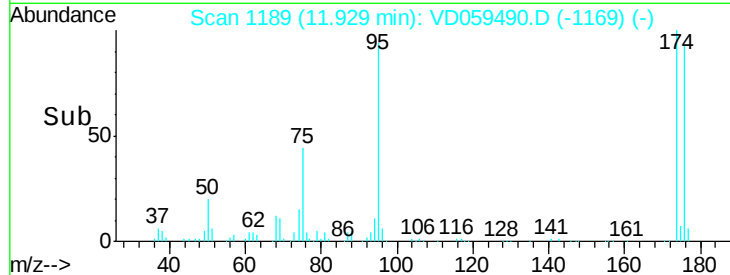
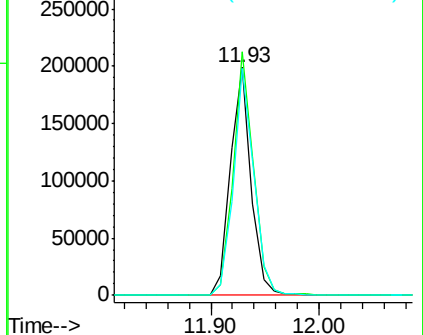


#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.93 min Scan# 1189
Delta R.T. -0.01 min
Lab File: VD059490.D
Acq: 29 Jun 2018 14:27

Tot Ion: 95 Resp: 263917
Ion Ratio Lower Upper
95 100
174 106.7 0.0 190.4
176 99.7 0.0 183.2

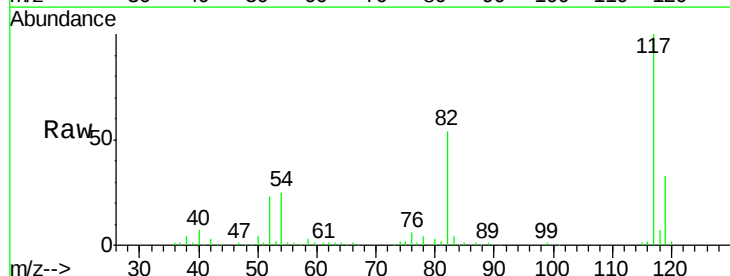


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

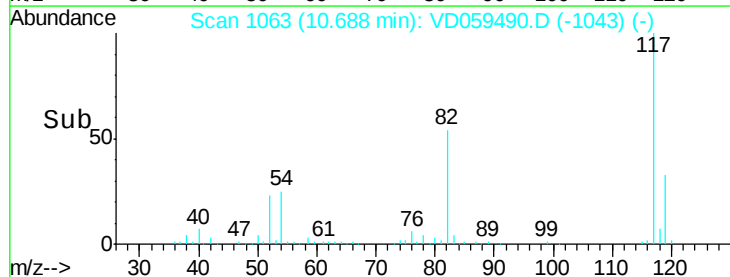
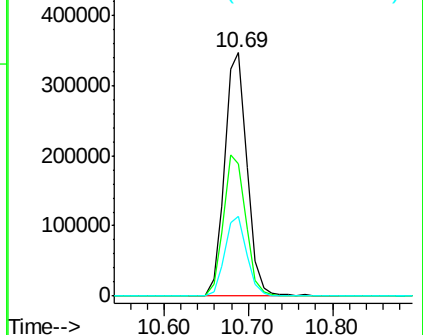


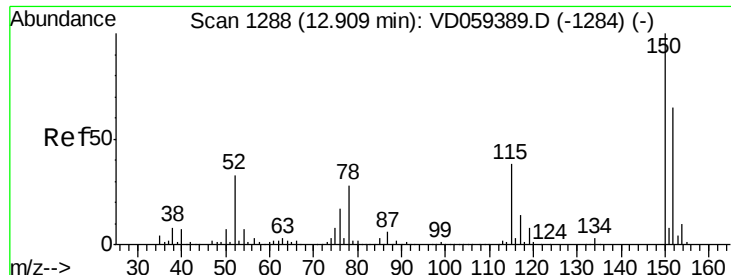
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. -0.01 min
Lab File: VD059490.D
Acq: 29 Jun 2018 14:27

Tgt Ion: 117 Resp: 638331
Ion Ratio Lower Upper
117 100
82 54.4 49.0 73.6
119 32.6 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

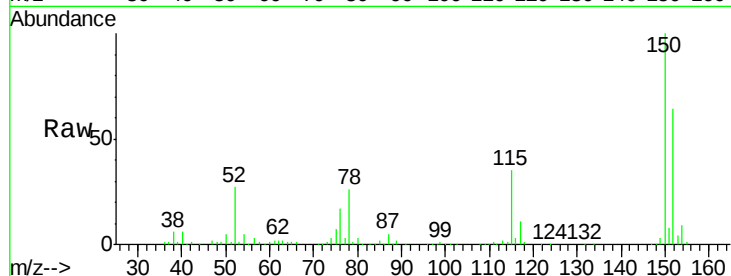




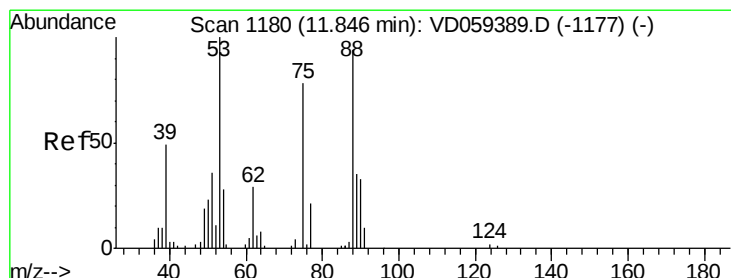
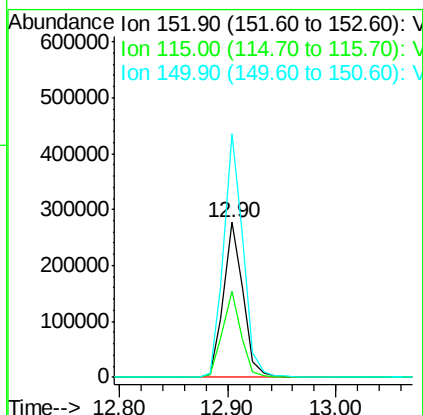
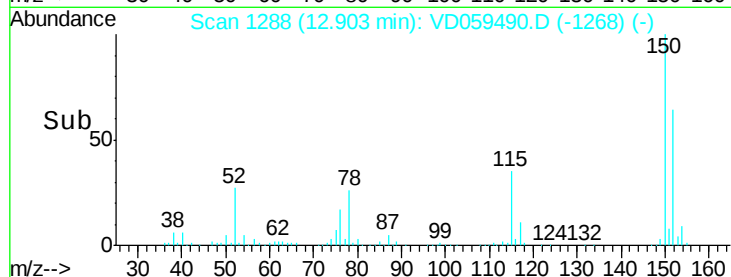
#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VD059490.D
Acq: 29 Jun 2018 14:27

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.6	29.4	88.3
150	156.9	0.0	308.2



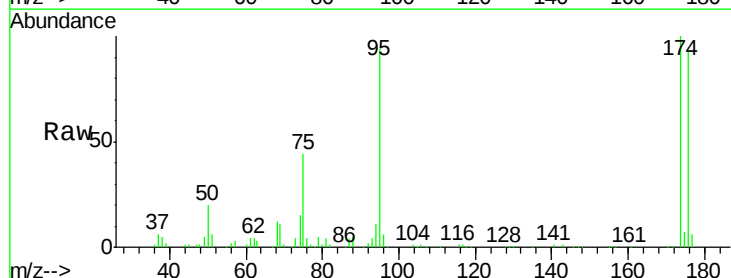
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 117.206 ug/l
RT: 11.93 min Scan# 1189
Delta R.T. 0.08 min
Lab File: VD059490.D
Acq: 29 Jun 2018 14:27

Tgt 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

