

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062918\
 Data File : VD059505.D
 Acq On : 29 Jun 2018 21:34
 Operator : VA/AP
 Sample : J3774-04
 Misc : 5.41g/5ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 30 00:28:14 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	933080	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.69	114	1297098	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.68	117	1078852	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.91	152	580467	50.00	ug/l	0.00

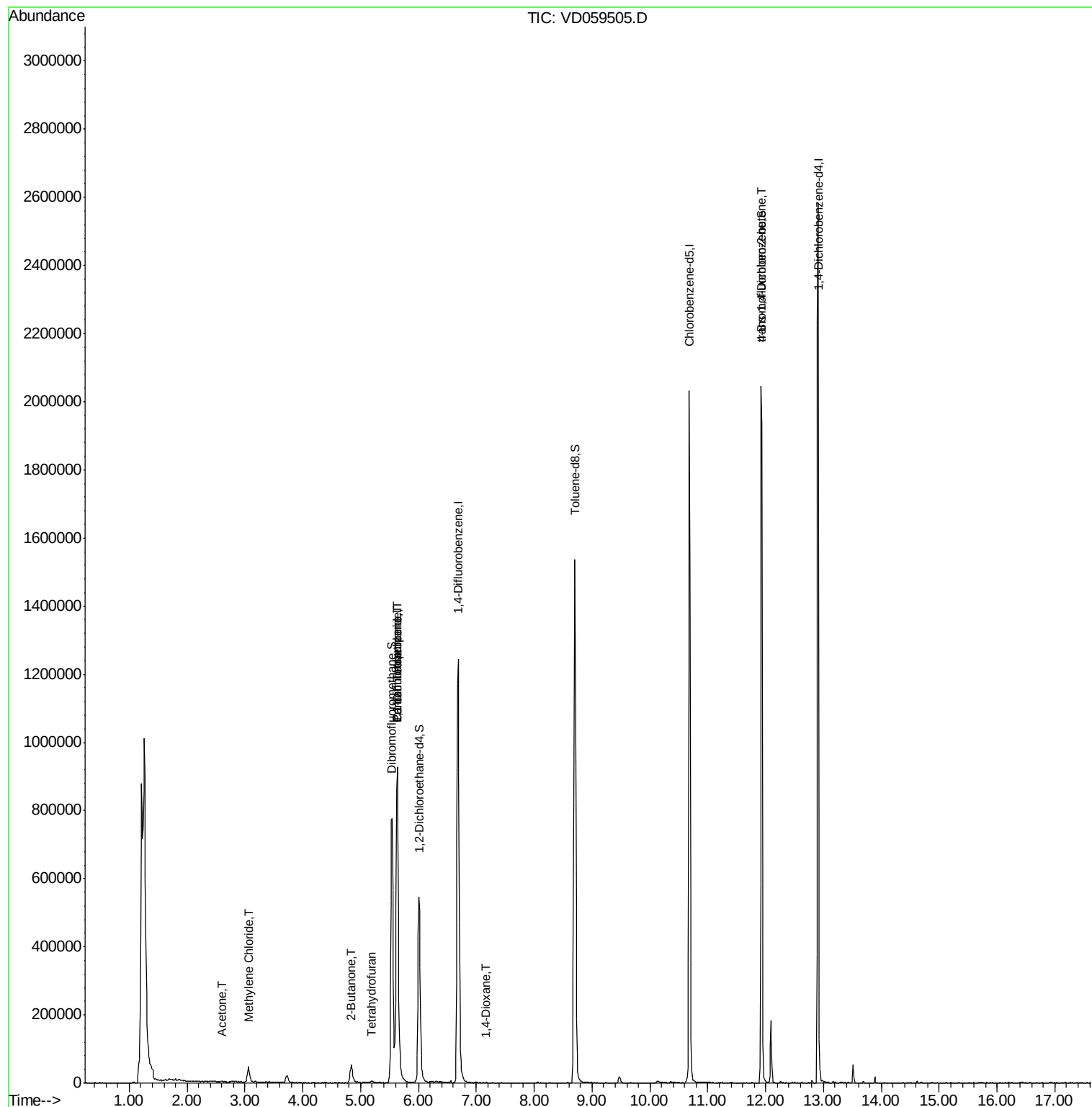
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	556622	58.33	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	116.66%	
35) Dibromofluoromethane	5.53	113	632148	59.83	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	119.66%	
50) Toluene-d8	8.70	98	1273621	51.57	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	103.14%	
62) 4-Bromofluorobenzene	11.92	95	571090	55.59	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	111.18%	

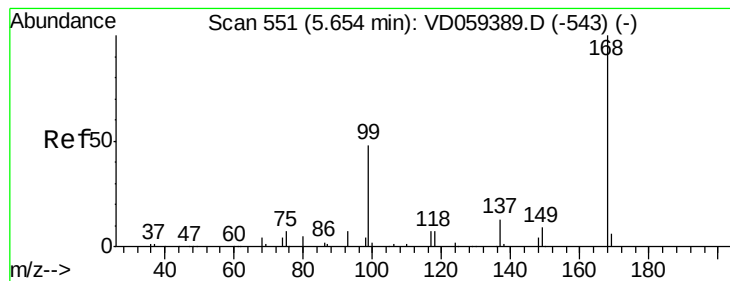
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.82	94	950	Below Cal	#	4
16) Acetone	2.60	43	8591	7.134	ug/l #	55
18) Methyl Acetate	2.94	43	630	Below Cal	#	66
20) Methylene Chloride	3.06	84	20980	3.986	ug/l	96
25) 2-Butanone	4.83	43	4654	1.845	ug/l #	57
29) Tetrahydrofuran	5.18	42	2525	1.830	ug/l #	79
31) Cyclohexane	5.62	56	20679	Below Cal	#	1
36) 1,1-Dichloropropene	5.62	75	77997	6.629	ug/l #	49
38) Carbon Tetrachloride	5.63	117	74222	6.118	ug/l #	17
49) 1,4-Dioxane	7.16	88	182	3.310	ug/l #	21
81) trans-1,4-Dichloro-2-buten	11.92	75	291969	160.437	ug/l #	1

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.02 min

Lab File: VD059505.D

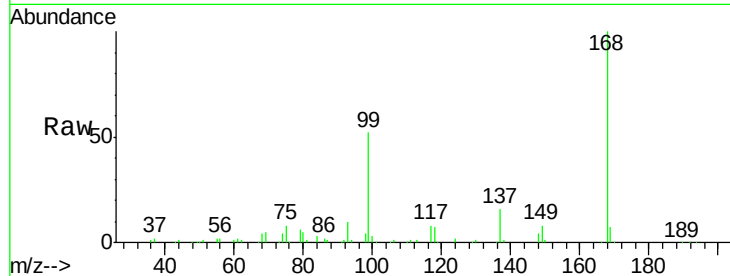
Acq: 29 Jun 2018 21:34

Tot Ion:168 Resp: 933080

Ion Ratio Lower Upper

168 100

99 51.8 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

300000

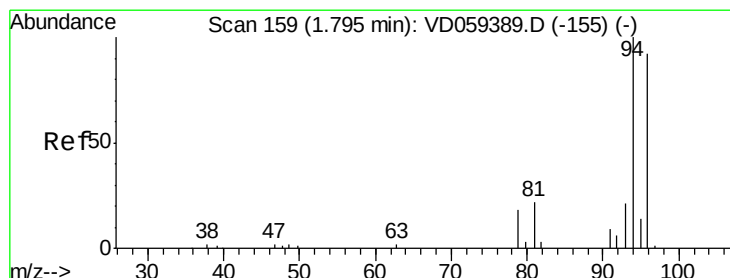
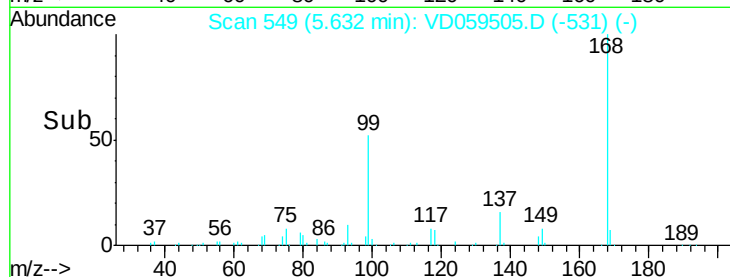
200000

100000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#5

Bromomethane

Concen: Below Cal

RT: 1.82 min Scan# 162

Delta R.T. 0.03 min

Lab File: VD059505.D

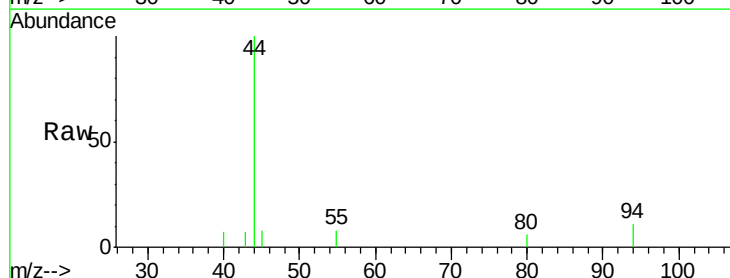
Acq: 29 Jun 2018 21:34

Tgt Ion: 94 Resp: 950

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

1.82

600

500

400

300

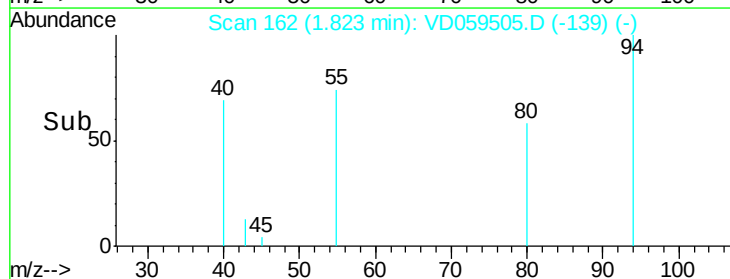
200

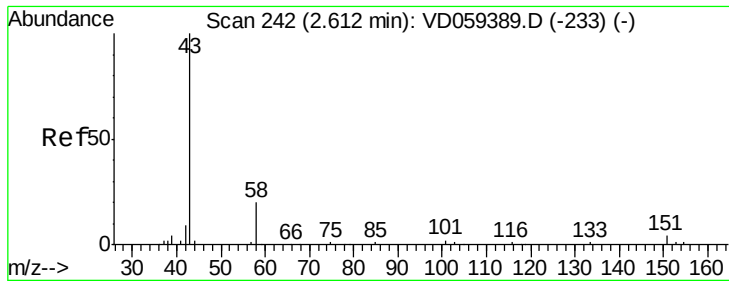
100

0

Time-->

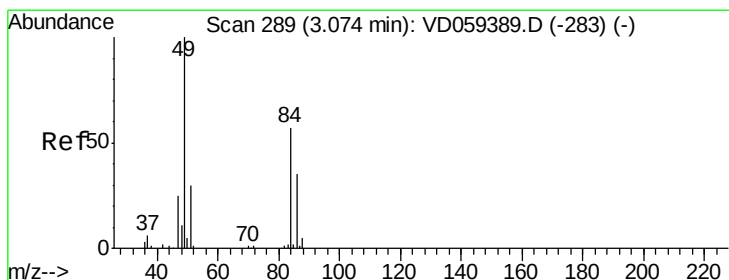
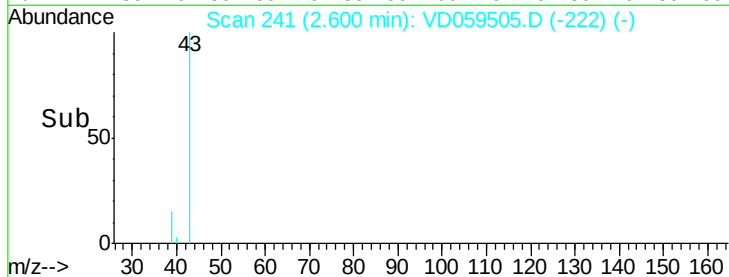
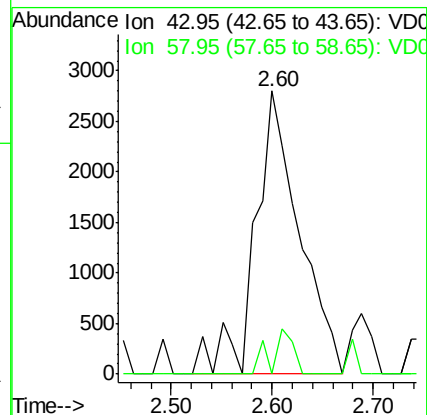
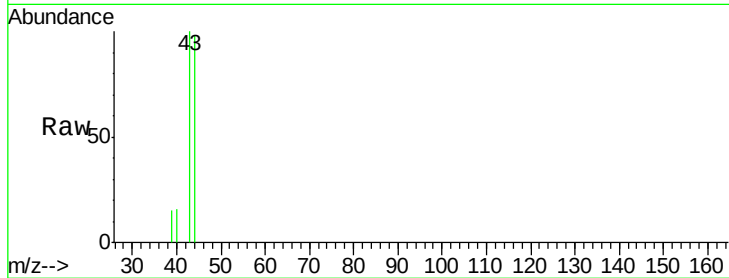
1.80 1.85 1.90





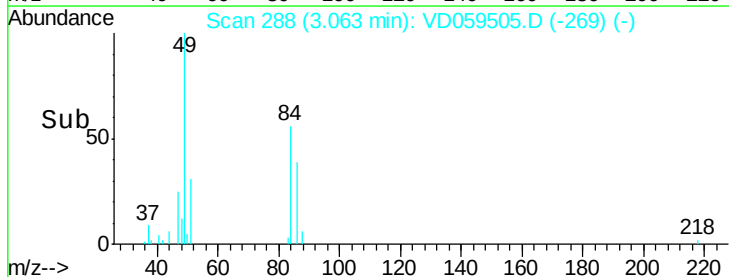
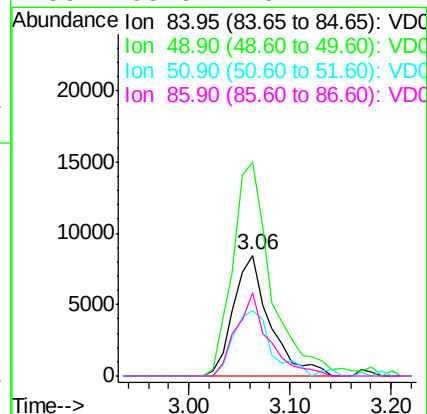
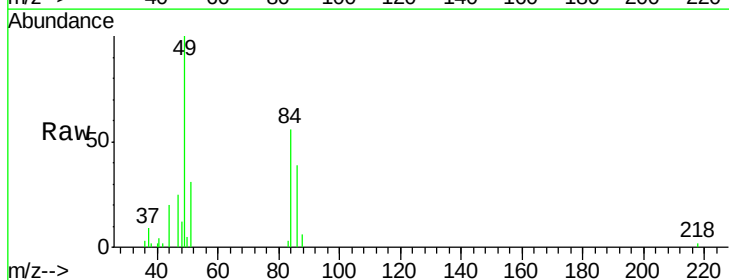
#16
Acetone
Concen: 7.134 ug/l
RT: 2.60 min Scan# 241
Delta R.T. -0.01 min
Lab File: VD059505.D
Acq: 29 Jun 2018 21:34

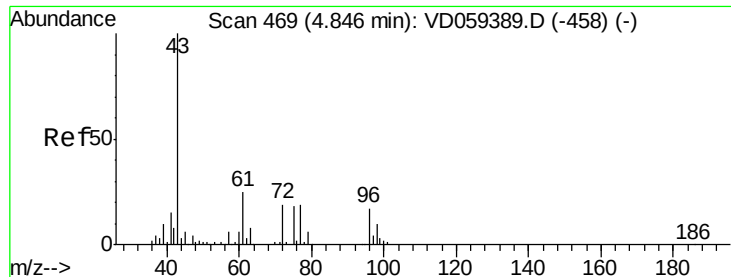
Tot Ion: 43 Resp: 8591
Ion Ratio Lower Upper
43 100
58 0.0 16.8 25.2#



#20
Methylene Chloride
Concen: 3.986 ug/l
RT: 3.06 min Scan# 288
Delta R.T. -0.01 min
Lab File: VD059505.D
Acq: 29 Jun 2018 21:34

Tgt Ion: 84 Resp: 20980
Ion Ratio Lower Upper
84 100
49 177.5 140.3 210.5
51 54.5 41.6 62.4
86 68.9 49.4 74.2





#25

2-Butanone

Concen: 1.845 ug/l

RT: 4.83 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD059505.D

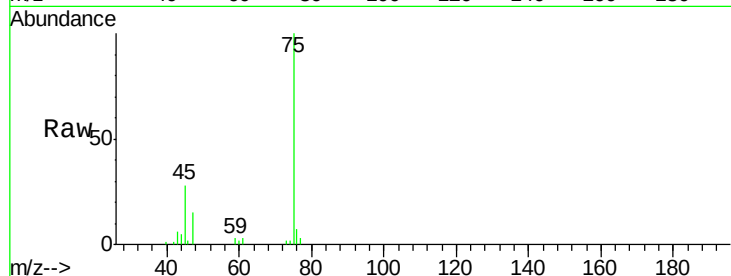
Acq: 29 Jun 2018 21:34

Tot Ion: 43 Resp: 4654

Ion Ratio Lower Upper

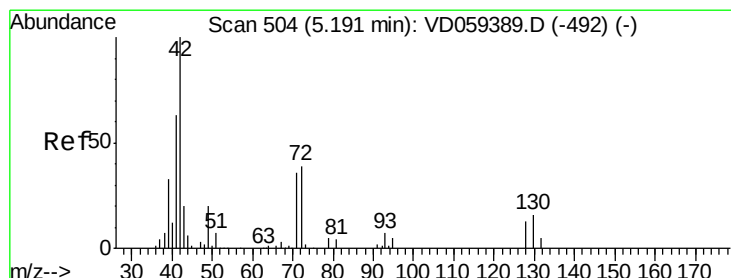
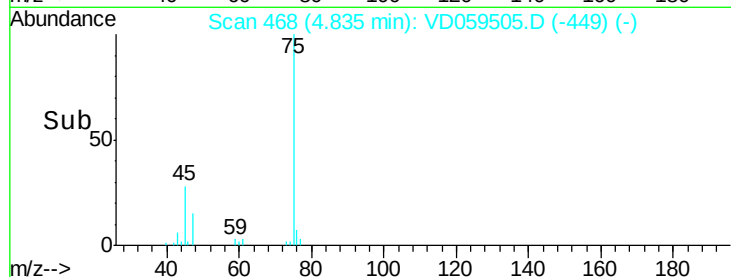
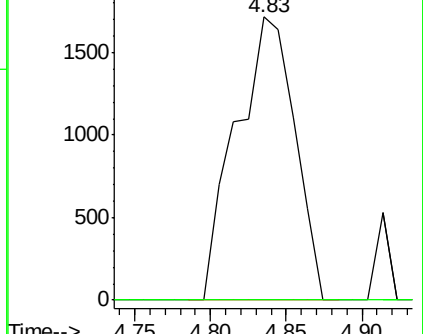
43 100

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: 1.830 ug/l

RT: 5.18 min Scan# 503

Delta R.T. -0.01 min

Lab File: VD059505.D

Acq: 29 Jun 2018 21:34

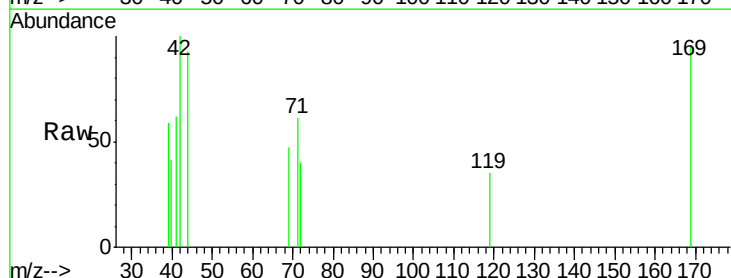
Tgt Ion: 42 Resp: 2525

Ion Ratio Lower Upper

42 100

72 28.3 31.4 47.2#

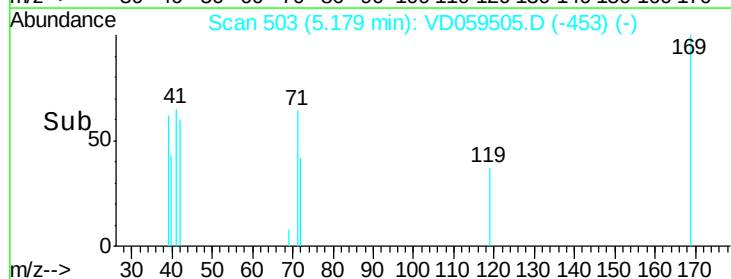
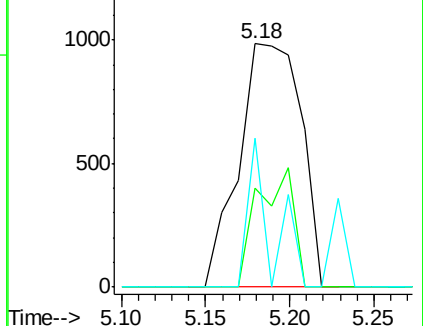
71 22.9 29.7 44.5#

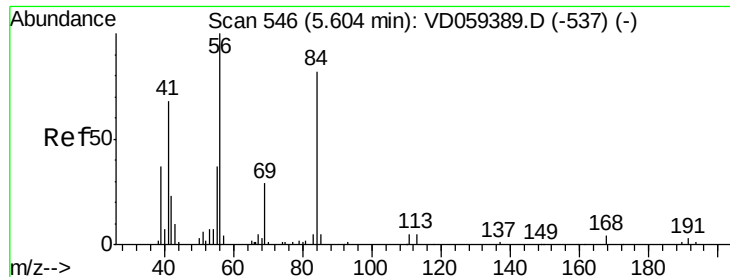


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC





#31

Cyclohexane

Concen: Below Cal

RT: 5.62 min Scan# 548

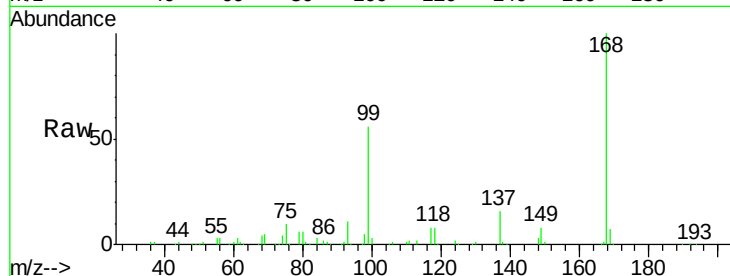
Delta R.T. 0.02 min

Lab File: VD059505.D

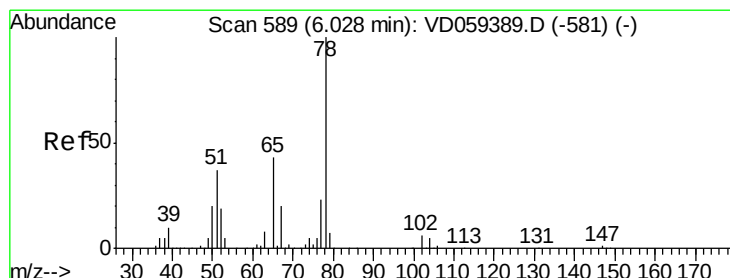
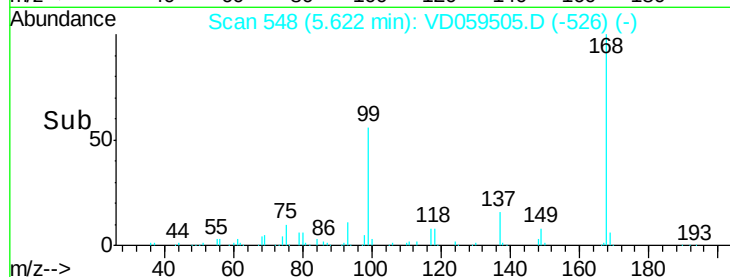
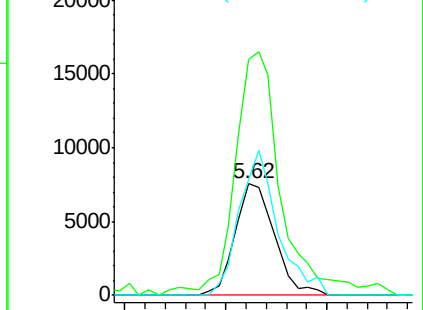
Acq: 29 Jun 2018 21:34

Tot Ion: 56 Resp: 20679

Ion	Ratio	Lower	Upper
56	100		
69	212.2	22.9	34.3#
84	103.8	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: Below ug/l

RT: 6.01 min Scan# 587

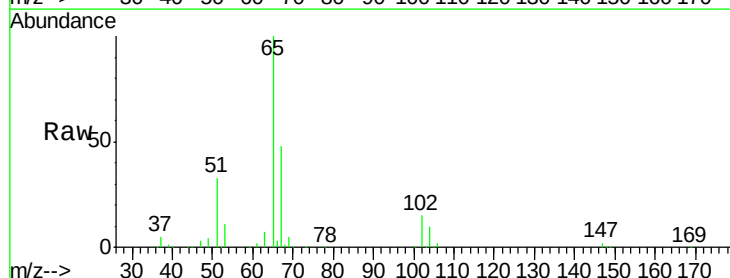
Delta R.T. -0.02 min

Lab File: VD059505.D

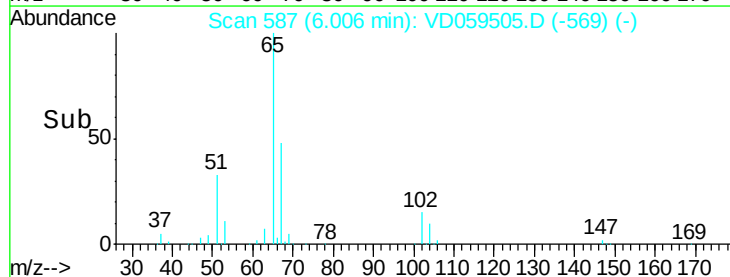
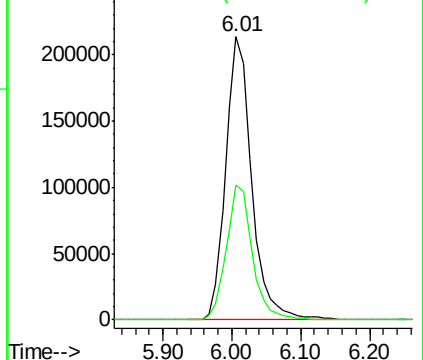
Acq: 29 Jun 2018 21:34

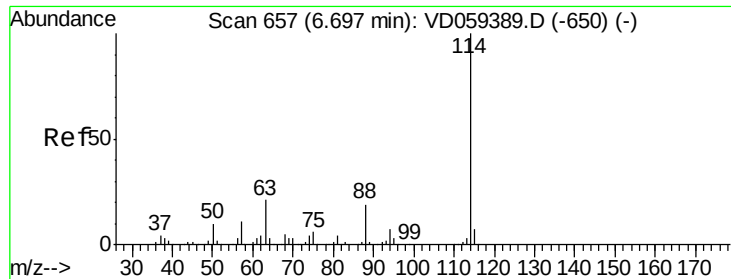
Tgt Ion: 65 Resp: 556622

Ion	Ratio	Lower	Upper
65	100		
67	47.9	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: 6.69 min Scan# 656

Delta R.T. -0.01 min

Lab File: VD059505.D

Acq: 29 Jun 2018 21:34

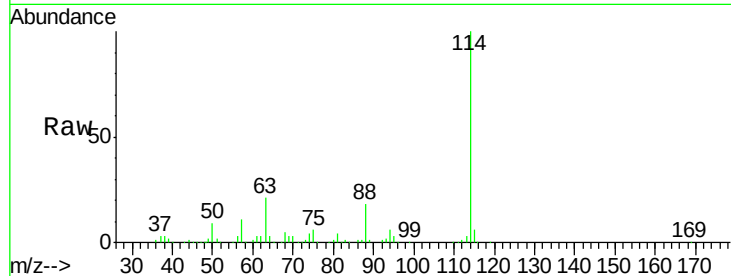
Tot Ion:114 Resp: 1297098

Ion Ratio Lower Upper

114 100

63 21.1 0.0 42.4

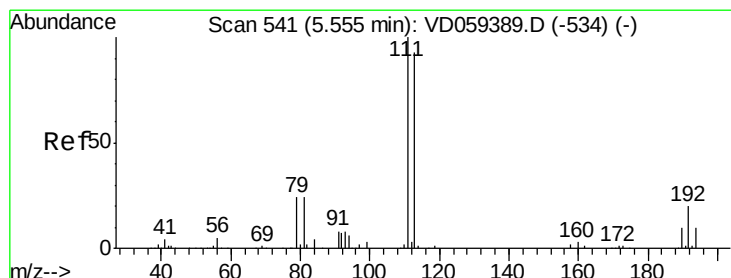
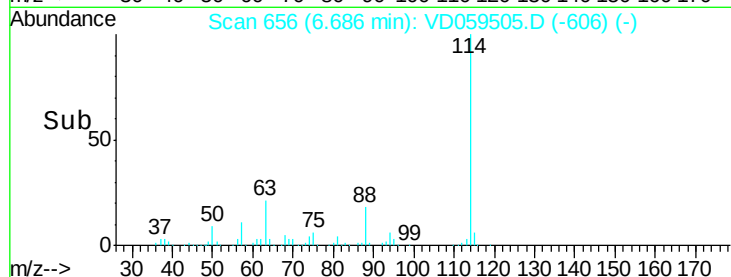
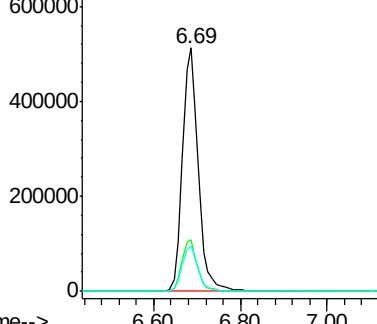
88 18.4 0.0 38.0



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. -0.02 min

Lab File: VD059505.D

Acq: 29 Jun 2018 21:34

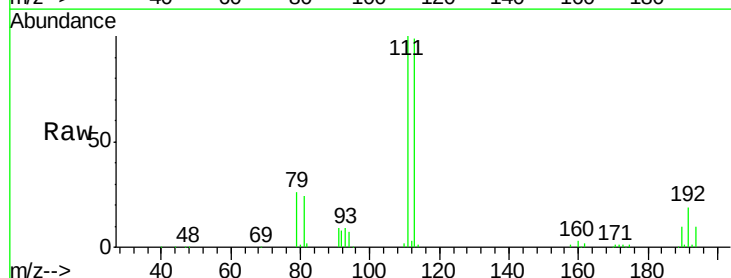
Tgt Ion:113 Resp: 632148

Ion Ratio Lower Upper

113 100

111 101.5 85.7 128.5

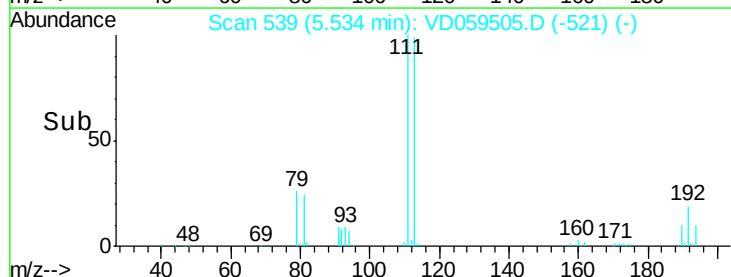
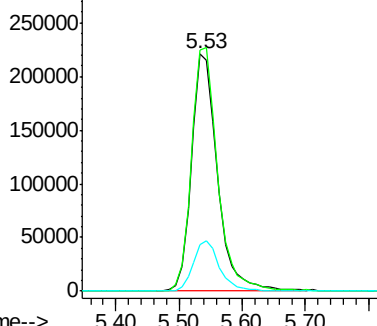
192 19.6 16.9 25.3

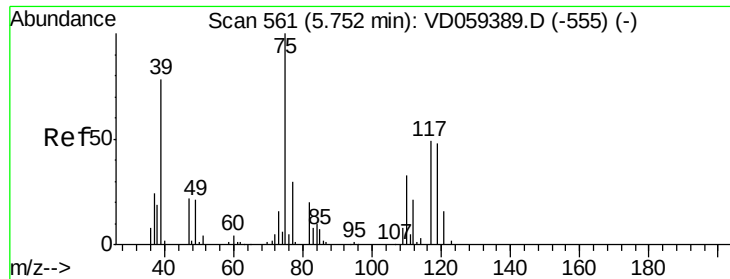


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 6.629 ug/l

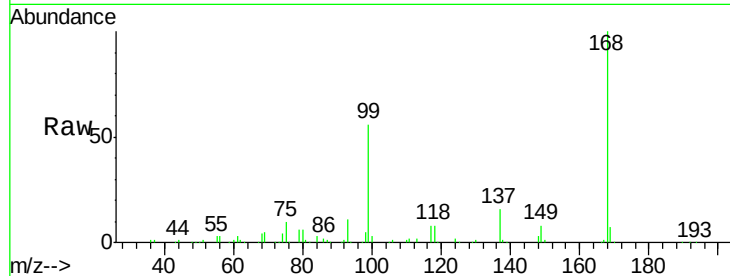
RT: 5.62 min Scan# 548

Delta R.T. -0.13 min

Lab File: VD059505.D

Acq: 29 Jun 2018 21:34

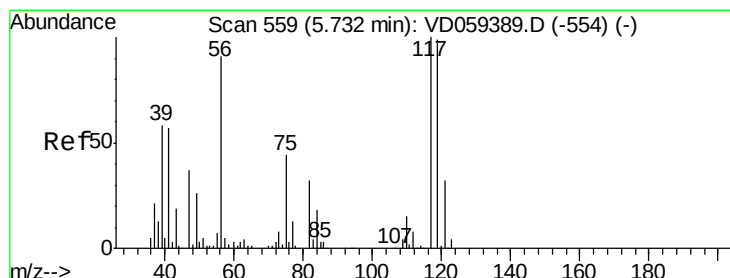
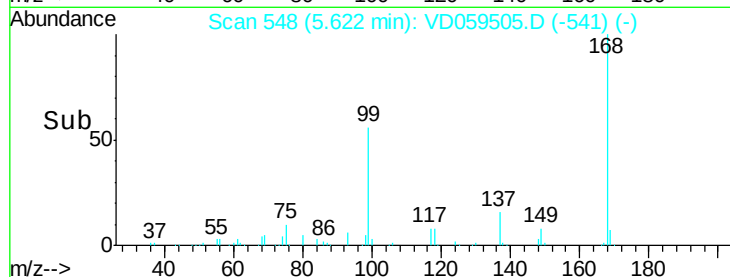
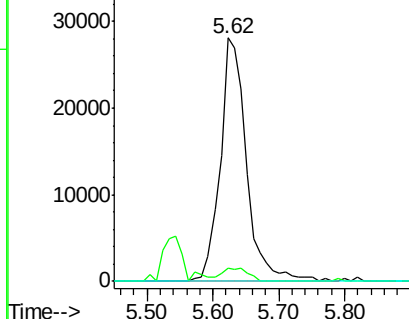
Tot Ion:	75	Resp:	77997
Ion	Ratio	Lower	Upper
75	100		
110	5.6	16.1	48.2#
77	0.0	23.4	35.2#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#38

Carbon Tetrachloride

Concen: 6.118 ug/l

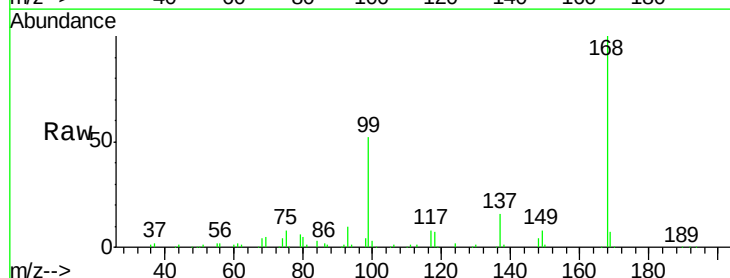
RT: 5.63 min Scan# 549

Delta R.T. -0.10 min

Lab File: VD059505.D

Acq: 29 Jun 2018 21:34

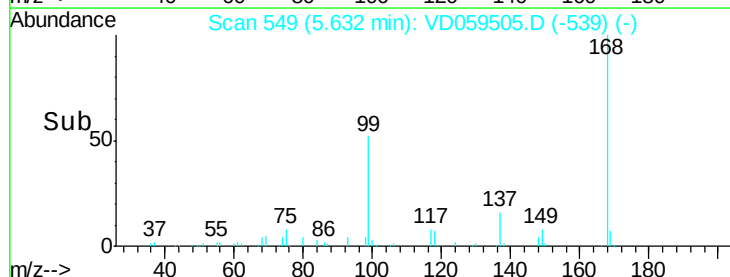
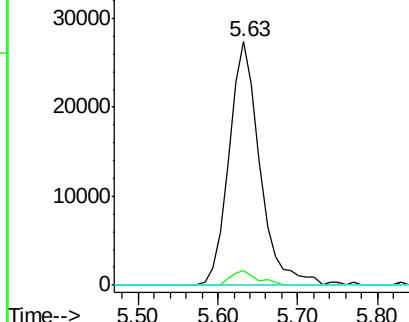
Tgt Ion:	117	Resp:	74222
Ion	Ratio	Lower	Upper
117	100		
119	5.8	76.6	115.0#
121	0.0	25.0	37.4#

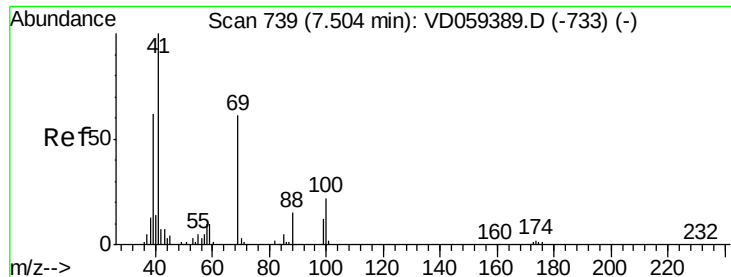


Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 118.85 (118.55 to 119.55): VDC

Ion 120.85 (120.55 to 121.55): VDC





#49

1,4-Dioxane

Concen: 3.310 ug/l

RT: 7.16 min Scan# 704

Delta R.T. -0.35 min

Lab File: VD059505.D

Acq: 29 Jun 2018 21:34

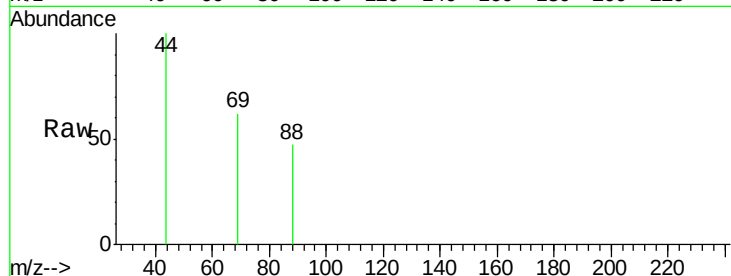
Tot Ion: 88 Resp: 182

Ion Ratio Lower Upper

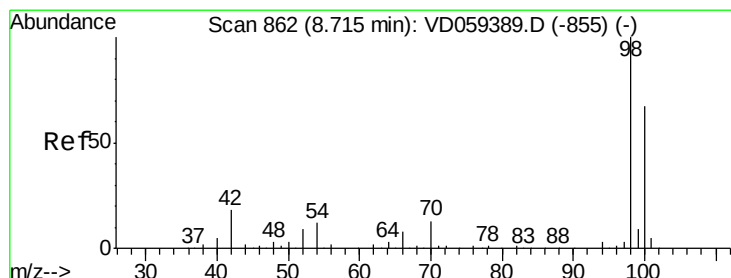
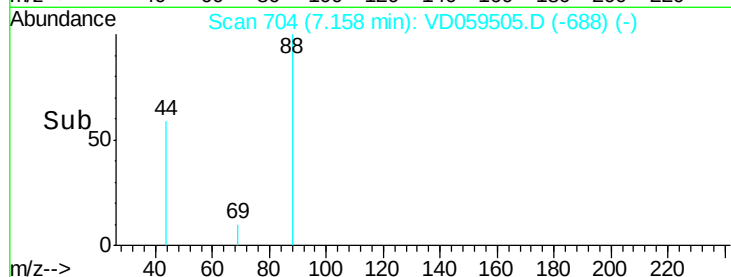
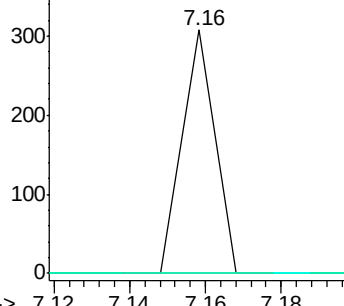
88 100

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: 3.310 ug/l

RT: 8.70 min Scan# 861

Delta R.T. -0.01 min

Lab File: VD059505.D

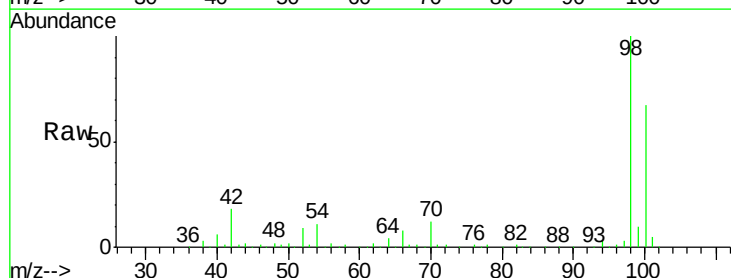
Acq: 29 Jun 2018 21:34

Tgt Ion: 98 Resp: 1273621

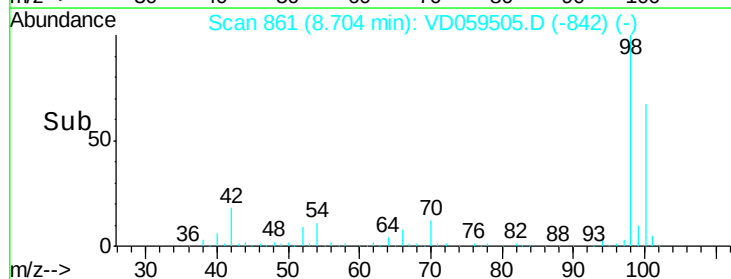
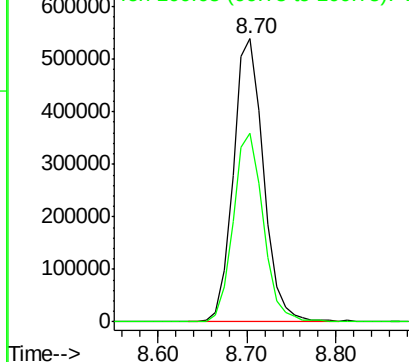
Ion Ratio Lower Upper

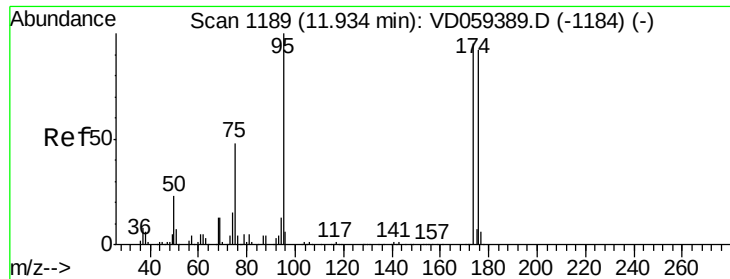
98 100

100 66.7 54.4 81.6



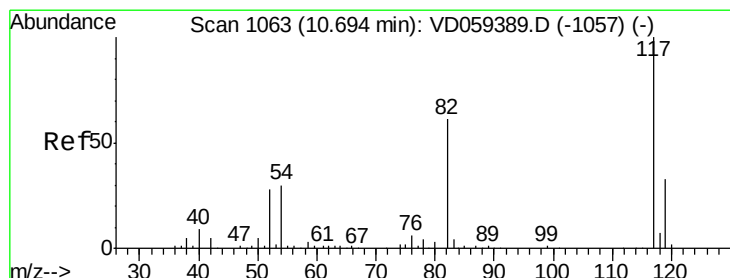
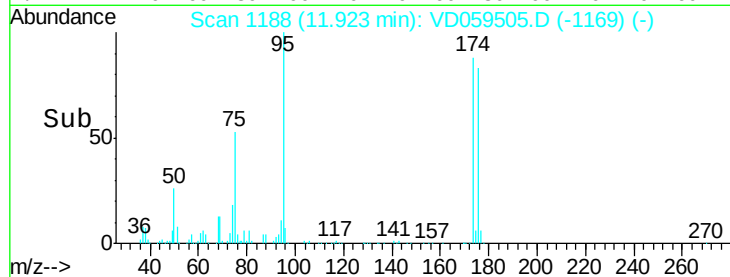
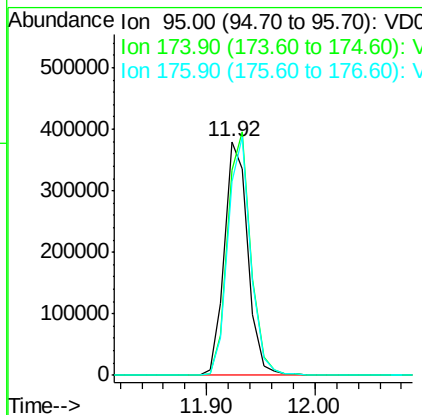
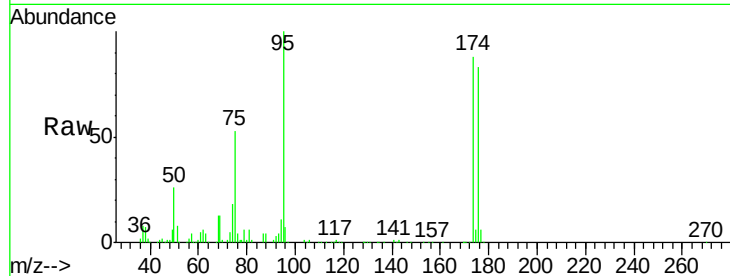
Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





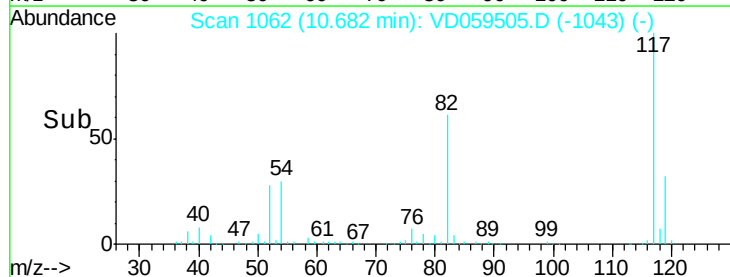
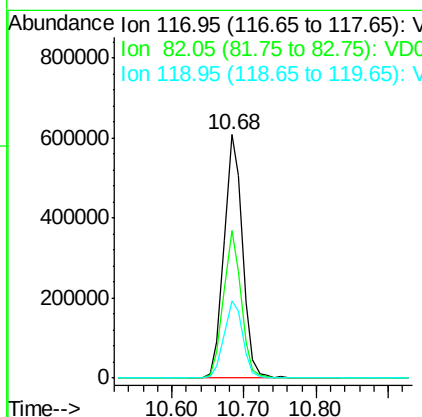
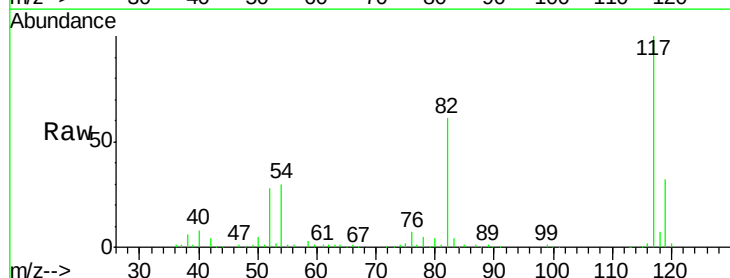
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.92 min Scan# 1188
Delta R.T. -0.01 min
Lab File: VD059505.D
Acq: 29 Jun 2018 21:34

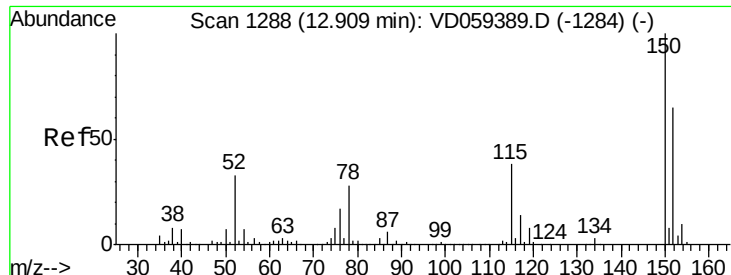
Tot Ion: 95 Resp: 571090
Ion Ratio Lower Upper
95 100
174 87.7 0.0 190.4
176 83.2 0.0 183.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VD059505.D
Acq: 29 Jun 2018 21:34

Tgt Ion: 117 Resp: 1078852
Ion Ratio Lower Upper
117 100
82 60.6 49.0 73.6
119 32.0 26.2 39.4

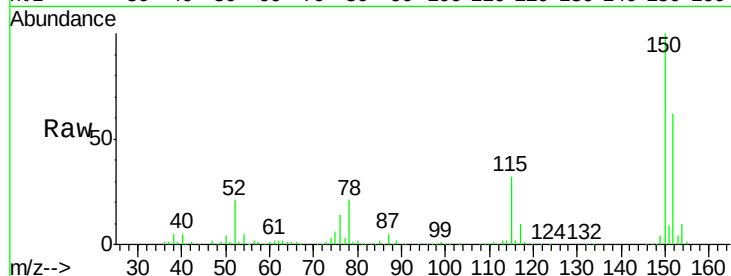




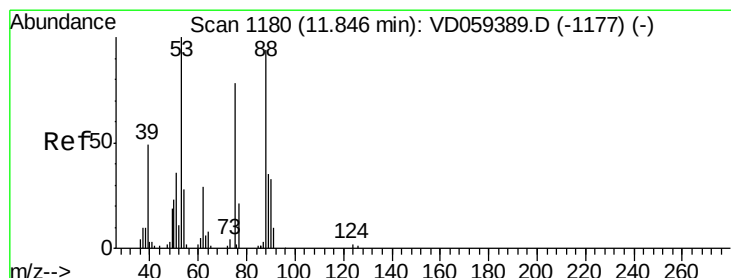
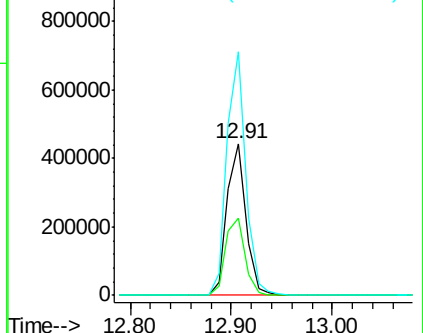
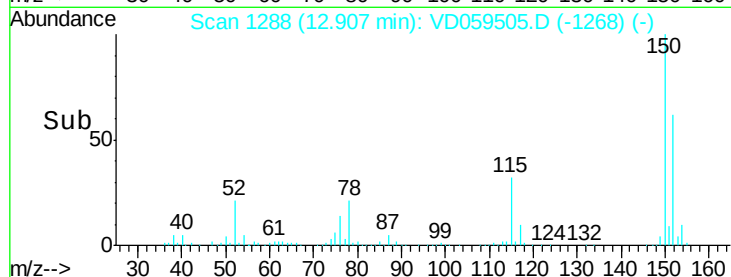
#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VD059505.D
Acq: 29 Jun 2018 21:34

Tot Ion	Ratio	Lower	Upper
152	100		
115	50.6	29.4	88.3
150	160.2	0.0	308.2



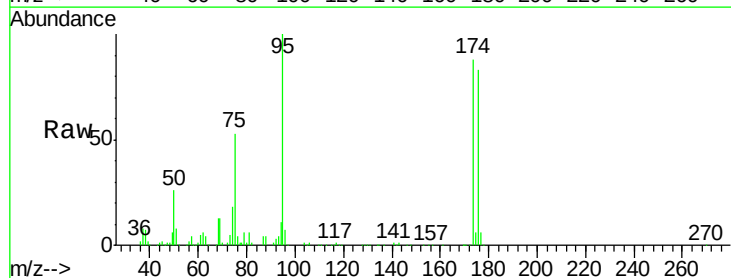
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 160.437 ug/l
RT: 11.92 min Scan# 1188
Delta R.T. 0.08 min
Lab File: VD059505.D
Acq: 29 Jun 2018 21:34

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

