

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062918\
 Data File : VD059488.D
 Acq On : 29 Jun 2018 13:31
 Operator : VA/AP
 Sample : J3749-01RE
 Misc : 13.49g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 30 00:25:20 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	556385	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.69	114	708799	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.68	117	474491	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.91	152	153448	50.00	ug/l	0.00

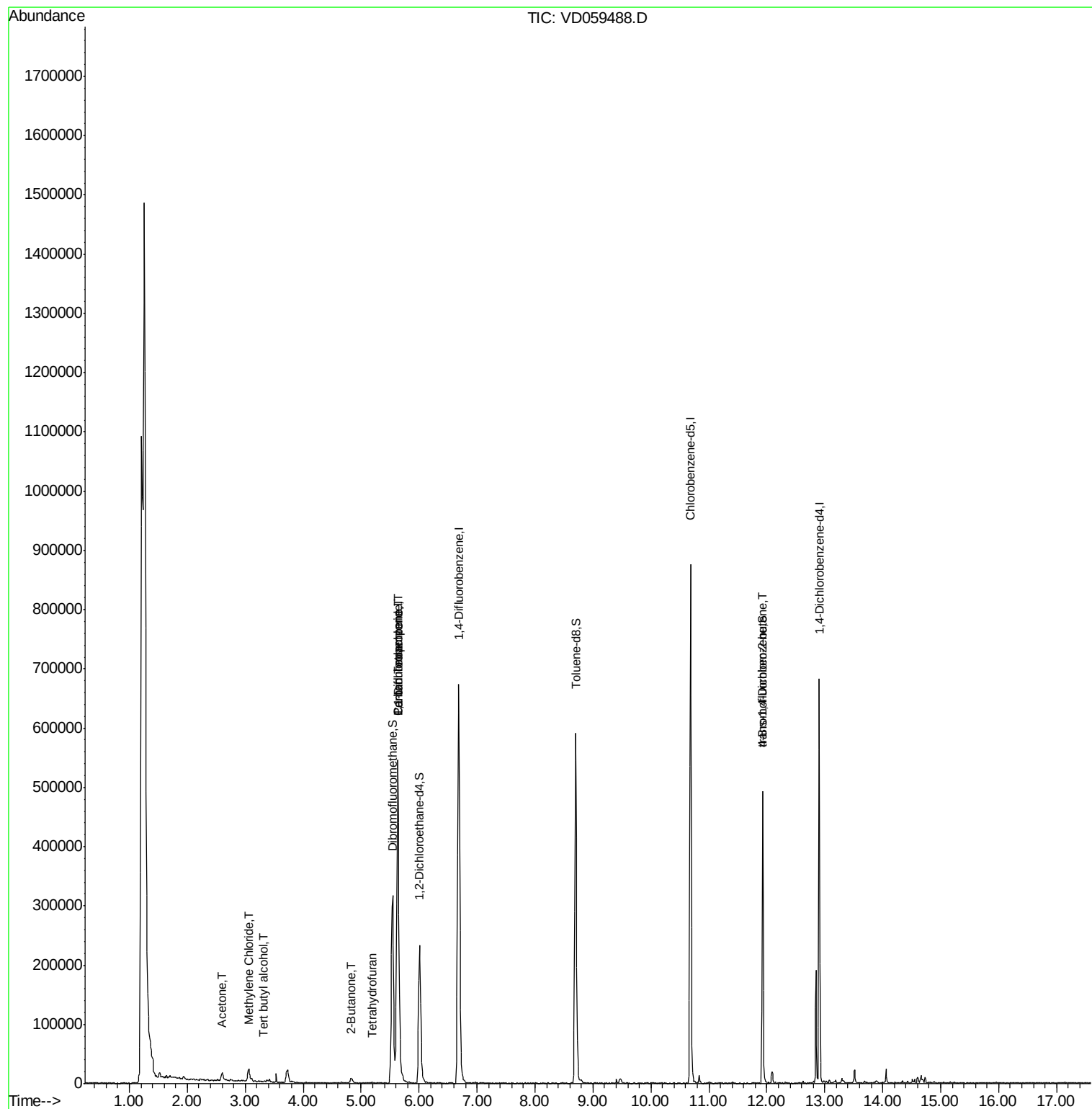
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	222236	39.06	ug/l	-0.02
Spiked Amount 50.000			Recovery =	78.12%		
35) Dibromofluoromethane	5.53	113	258792	44.82	ug/l	-0.02
Spiked Amount 50.000			Recovery =	89.64%		
50) Toluene-d8	8.70	98	475913	35.26	ug/l	-0.01
Spiked Amount 50.000			Recovery =	70.52%		
62) 4-Bromofluorobenzene	11.92	95	145577	25.93	ug/l	-0.01
Spiked Amount 50.000			Recovery =	51.86%		

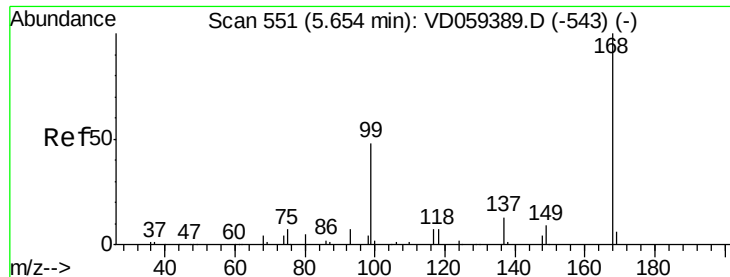
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.79	94	402	Below Cal	#	4
11) Tert butyl alcohol	3.31	59	297	1.509	ug/l #	72
16) Acetone	2.60	43	29327	40.839	ug/l	98
18) Methyl Acetate	2.93	43	1438	Below Cal	#	66
20) Methylene Chloride	3.05	84	8483	1.857	ug/l #	61
25) 2-Butanone	4.82	43	8921	5.930	ug/l	95
29) Tetrahydrofuran	5.19	42	1399	1.700	ug/l #	51
31) Cyclohexane	5.62	56	13204	Below Cal	#	1
36) 1,1-Dichloropropene	5.63	75	43752	6.805	ug/l #	52
38) Carbon Tetrachloride	5.63	117	43824	6.611	ug/l #	14
81) trans-1,4-Dichloro-2-buten	11.92	75	68691	142.785	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. -0.02 min

Lab File: VD059488.D

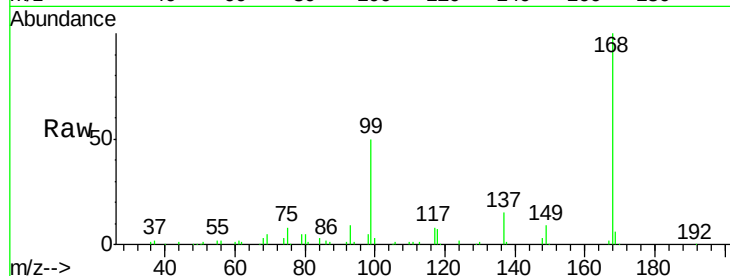
Acq: 29 Jun 2018 13:31

Tot Ion:168 Resp: 556385

Ion Ratio Lower Upper

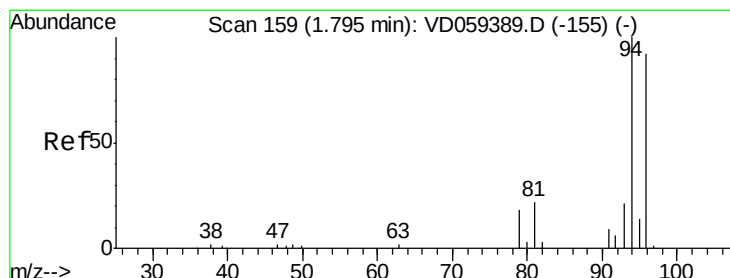
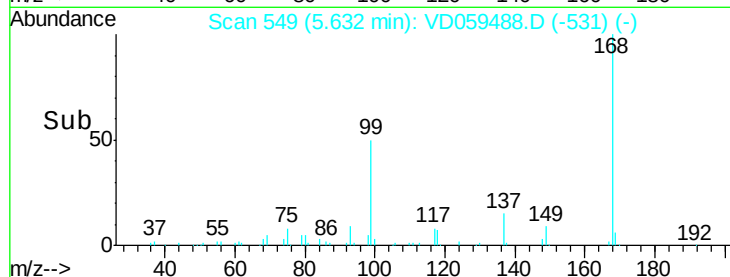
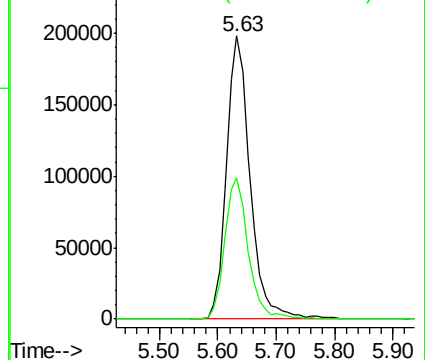
168 100

99 49.9 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: 1.79 min Scan# 159

Delta R.T. -0.00 min

Lab File: VD059488.D

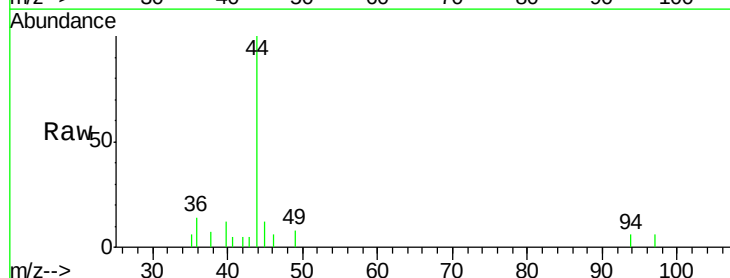
Acq: 29 Jun 2018 13:31

Tgt Ion: 94 Resp: 402

Ion Ratio Lower Upper

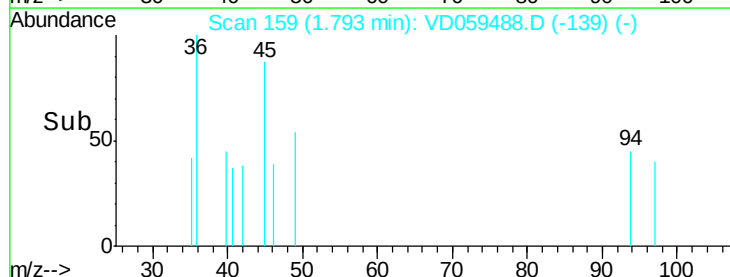
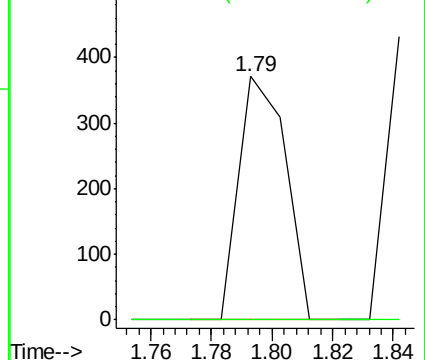
94 100

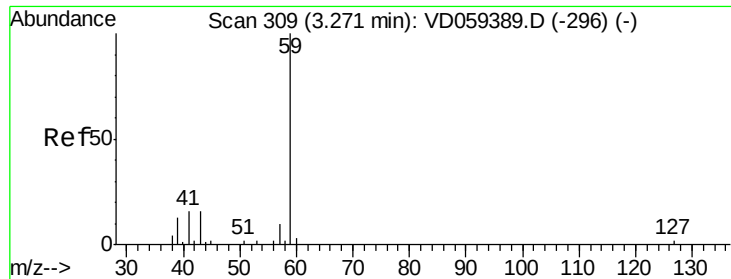
96 0.0 73.4 110.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

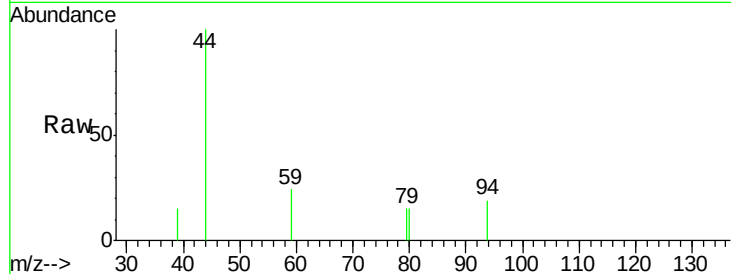




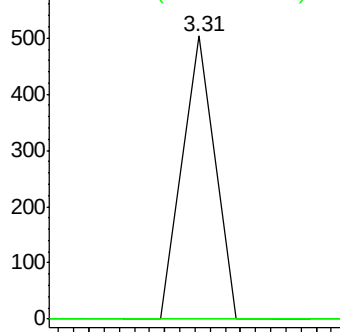
#11

Tert butyl alcohol
Concen: 1.509 ug/l
RT: 3.31 min Scan# 313
Delta R.T. 0.04 min
Lab File: VD059488.D
Acq: 29 Jun 2018 13:31

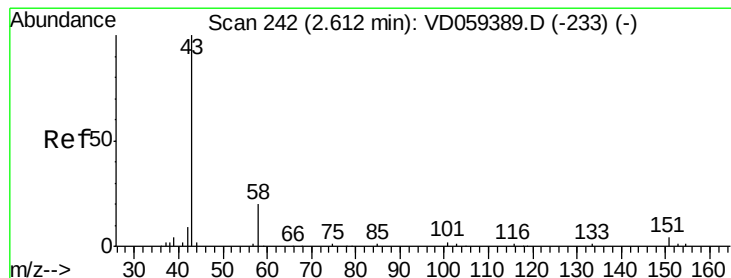
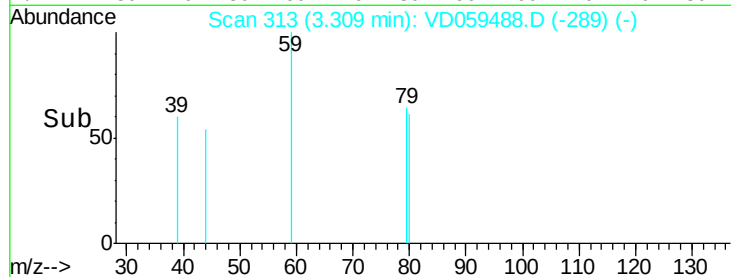
Tot Ion: 59 Resp: 297
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



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



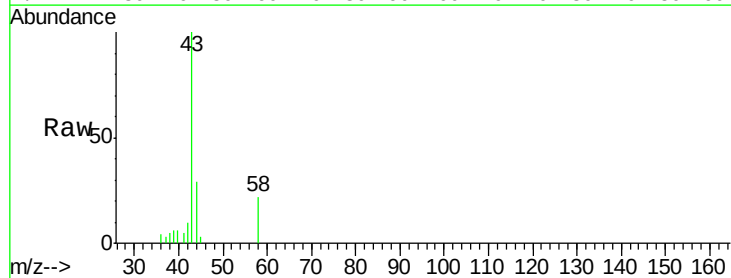
Time-->



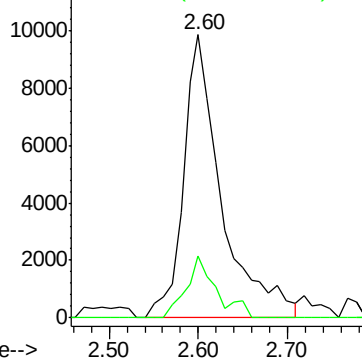
#16

Acetone
Concen: 40.839 ug/l
RT: 2.60 min Scan# 241
Delta R.T. -0.01 min
Lab File: VD059488.D
Acq: 29 Jun 2018 13:31

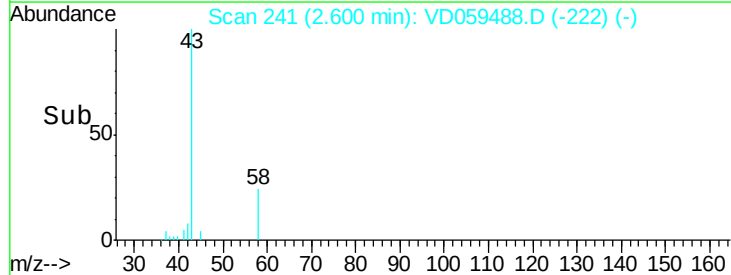
Tgt Ion: 43 Resp: 29327
Ion Ratio Lower Upper
43 100
58 22.0 16.8 25.2

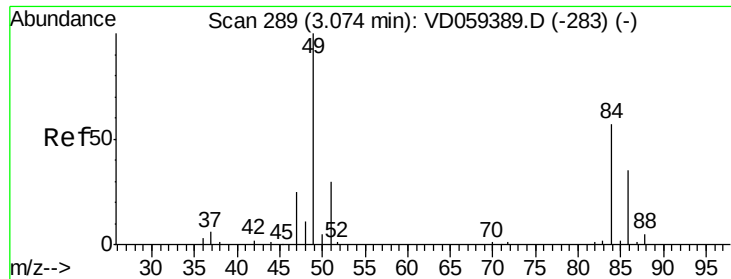


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC



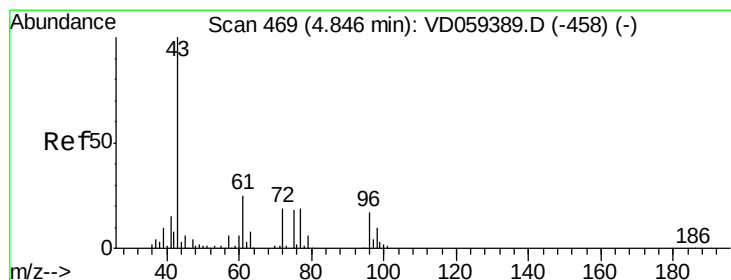
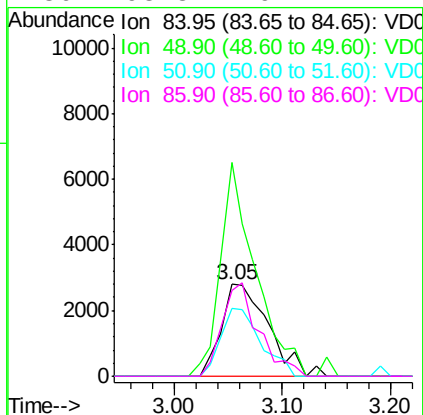
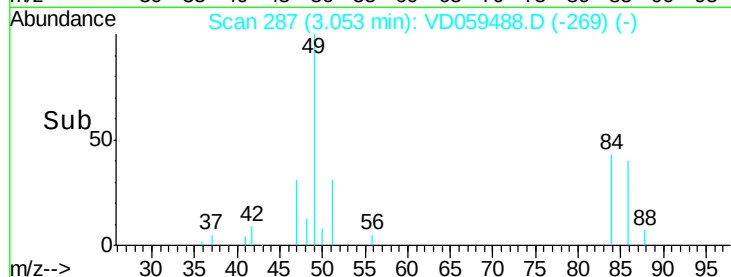
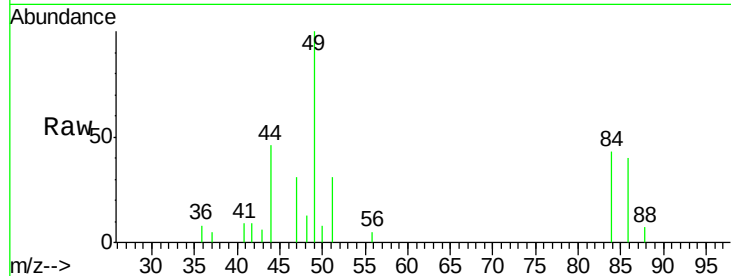
Time-->





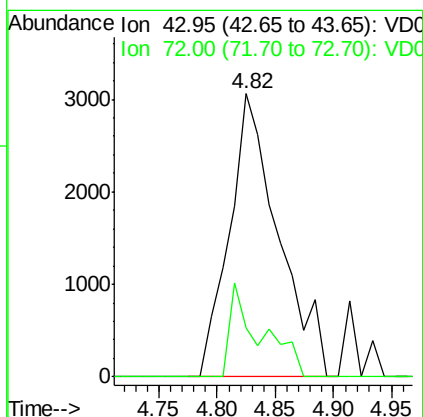
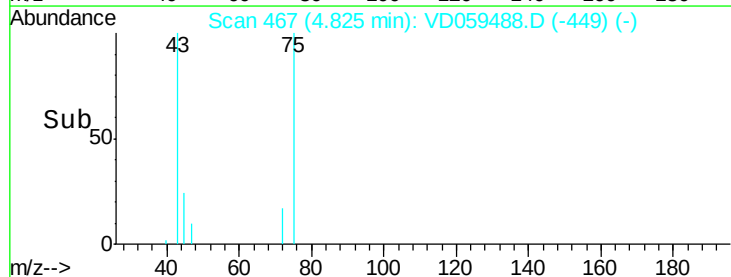
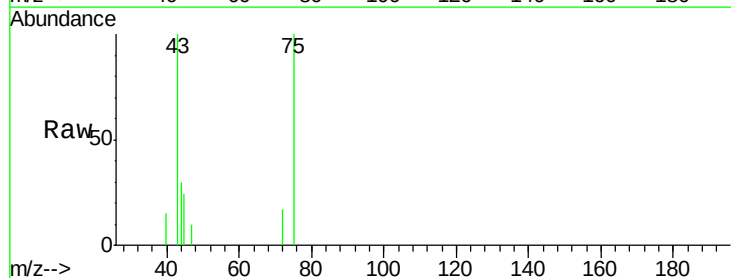
#20
Methvlene Chloride
Concen: 1.857 ug/l
RT: 3.05 min Scan# 287
Delta R.T. -0.02 min
Lab File: VD059488.D
Acq: 29 Jun 2018 13:31

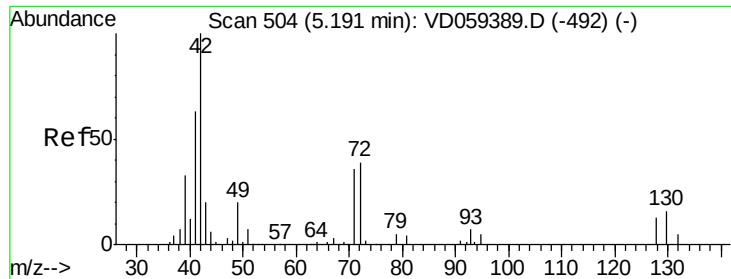
Tot Ion: 84 Resp: 8483
Ion Ratio Lower Upper
84 100
49 233.3 140.3 210.5#
51 73.4 41.6 62.4#
86 93.3 49.4 74.2#



#25
2-Butanone
Concen: 5.930 ug/l
RT: 4.82 min Scan# 467
Delta R.T. -0.02 min
Lab File: VD059488.D
Acq: 29 Jun 2018 13:31

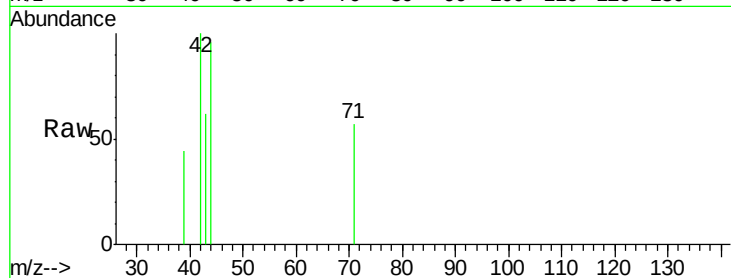
Tgt Ion: 43 Resp: 8921
Ion Ratio Lower Upper
43 100
72 17.2 15.4 23.2



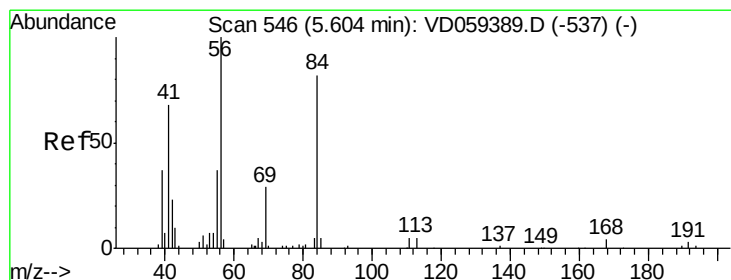
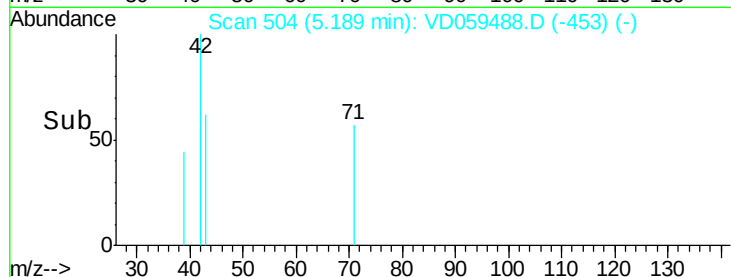
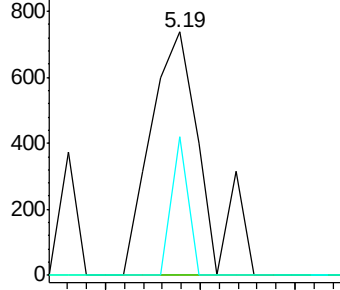


#29
Tetrahydrofuran
Concen: 1.700 ug/l
RT: 5.19 min Scan# 504
Delta R.T. -0.00 min
Lab File: VD059488.D
Acq: 29 Jun 2018 13:31

Tot Ion: 42 Resp: 1399
Ion Ratio Lower Upper
42 100
72 0.0 31.4 47.2#
71 17.8 29.7 44.5#

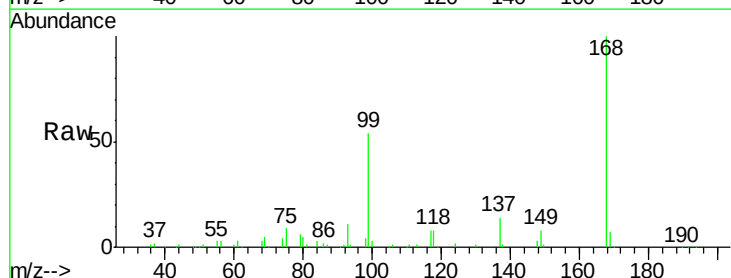


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

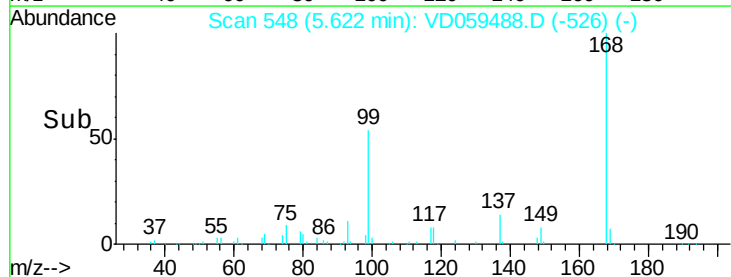
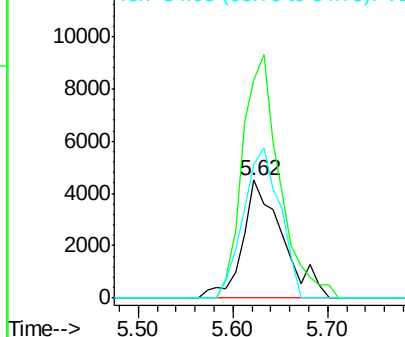


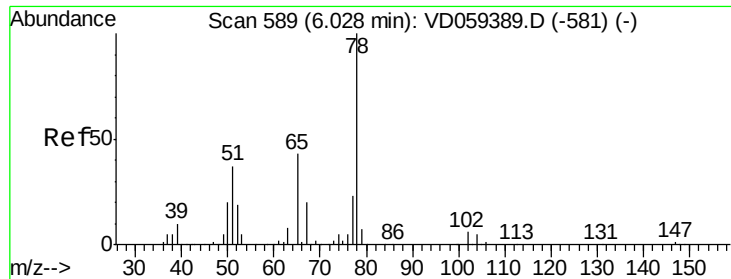
#31
Cyclohexane
Concen: Below Cal
RT: 5.62 min Scan# 548
Delta R.T. 0.02 min
Lab File: VD059488.D
Acq: 29 Jun 2018 13:31

Tgt Ion: 56 Resp: 13204
Ion Ratio Lower Upper
56 100
69 185.7 22.9 34.3#
84 113.1 67.3 100.9#



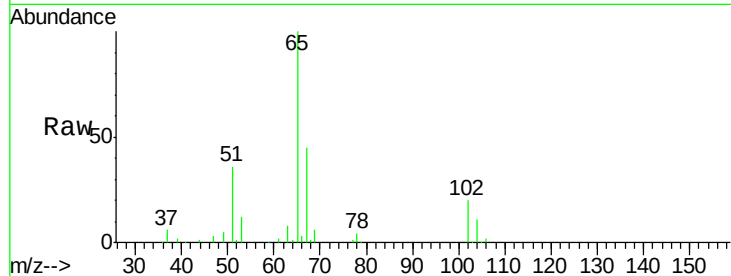
Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



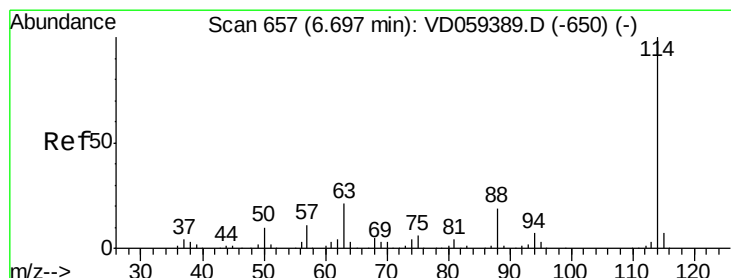
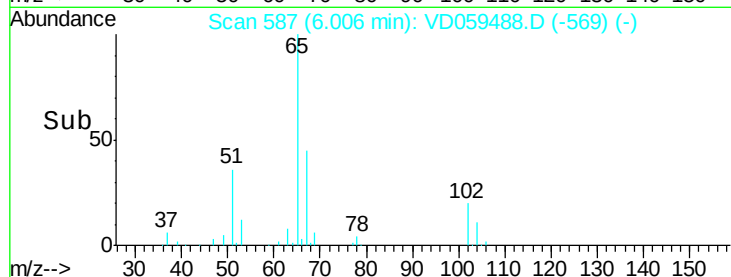
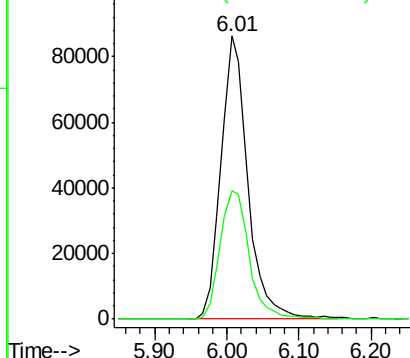


#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.01 min Scan# 587
 Delta R.T. -0.02 min
 Lab File: VD059488.D
 Acq: 29 Jun 2018 13:31

Tot Ion: 65 Resp: 222236
 Ion Ratio Lower Upper
 65 100
 67 45.3 0.0 93.8

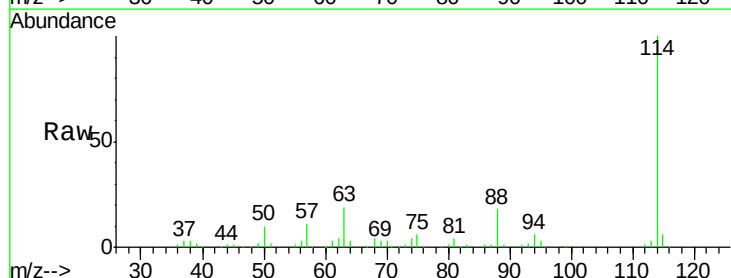


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

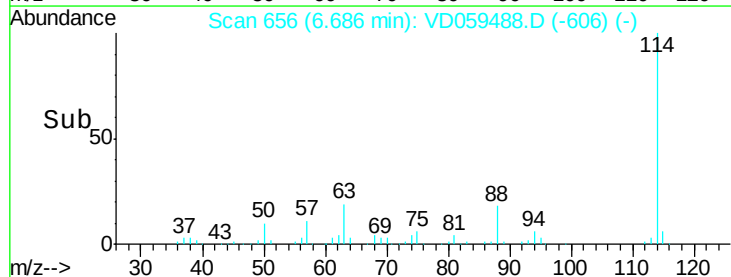
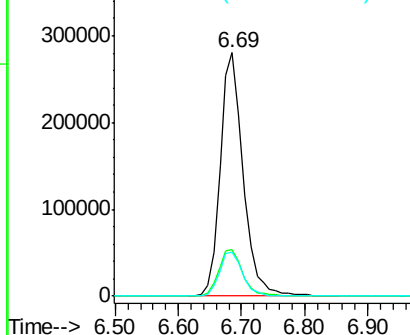


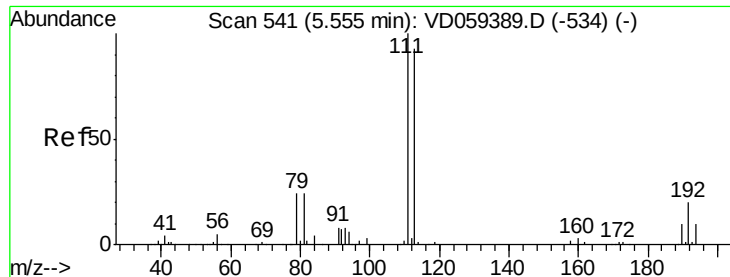
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.69 min Scan# 656
 Delta R.T. -0.01 min
 Lab File: VD059488.D
 Acq: 29 Jun 2018 13:31

Tgt Ion: 114 Resp: 708799
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 42.4
 88 17.8 0.0 38.0



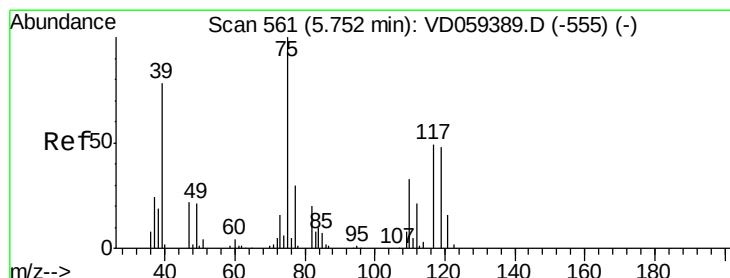
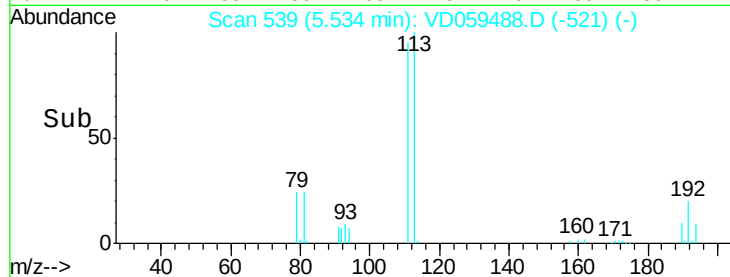
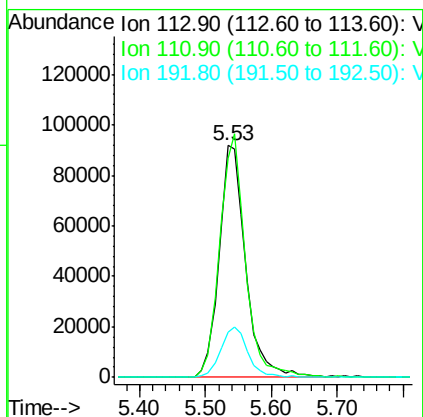
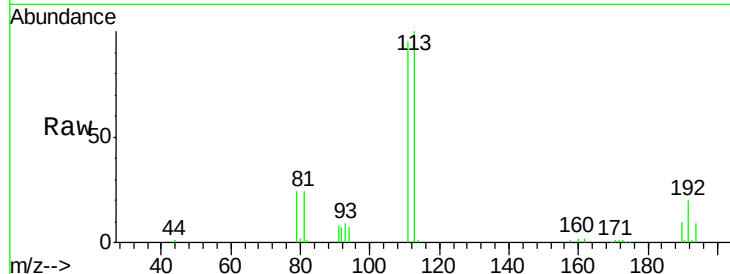
Abundance Ion 114.00 (113.70 to 114.70): VDC
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC





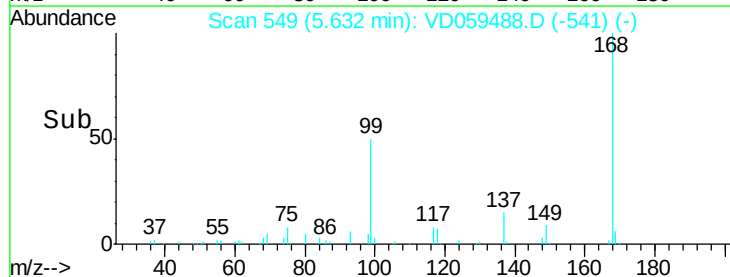
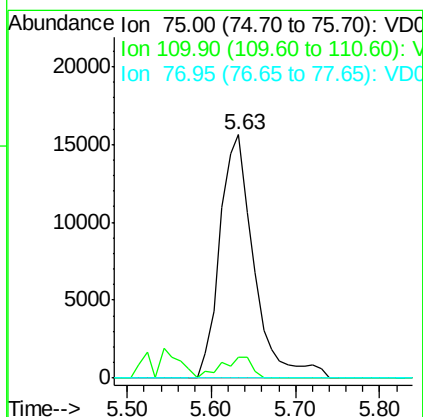
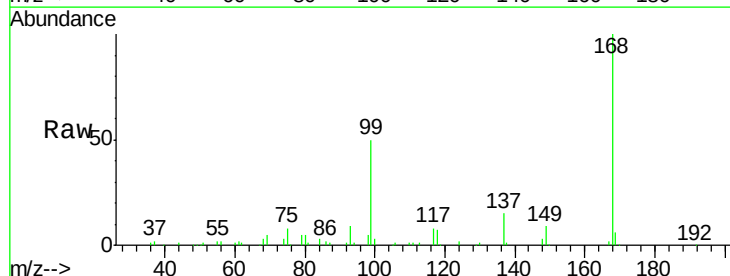
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.53 min Scan# 539
 Delta R.T. -0.02 min
 Lab File: VD059488.D
 Acq: 29 Jun 2018 13:31

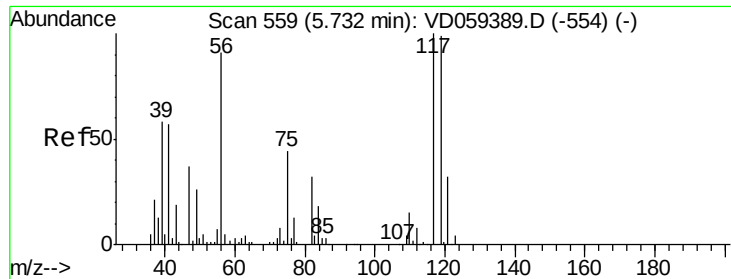
Tot Ion:113 Resp: 258792
 Ion Ratio Lower Upper
 113 100
 111 94.6 85.7 128.5
 192 19.7 16.9 25.3



#36
 1,1-Dichloropropene
 Concen: 6.805 ug/l
 RT: 5.63 min Scan# 549
 Delta R.T. -0.12 min
 Lab File: VD059488.D
 Acq: 29 Jun 2018 13:31

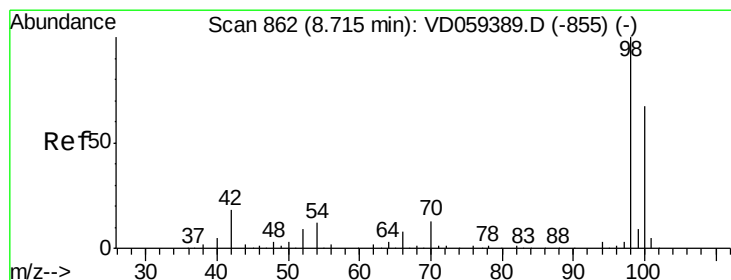
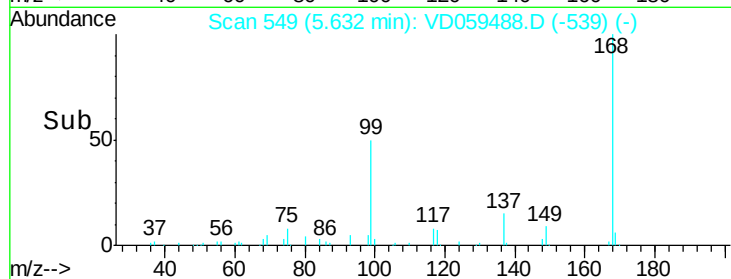
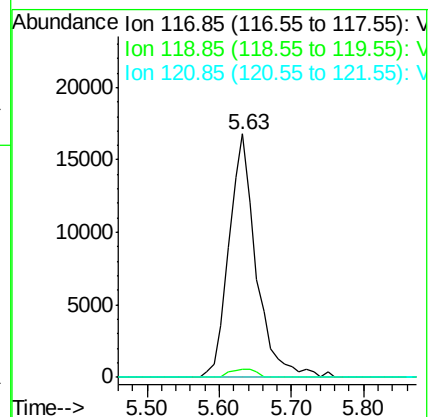
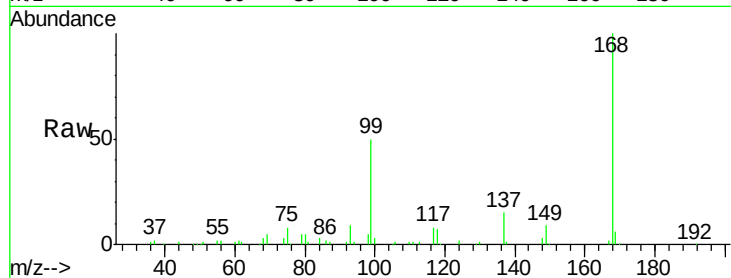
Tgt Ion: 75 Resp: 43752
 Ion Ratio Lower Upper
 75 100
 110 8.7 16.1 48.2#
 77 0.0 23.4 35.2#





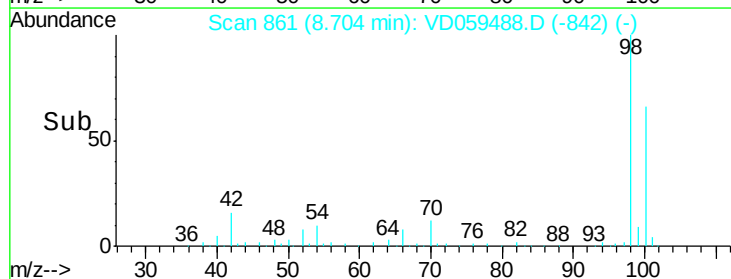
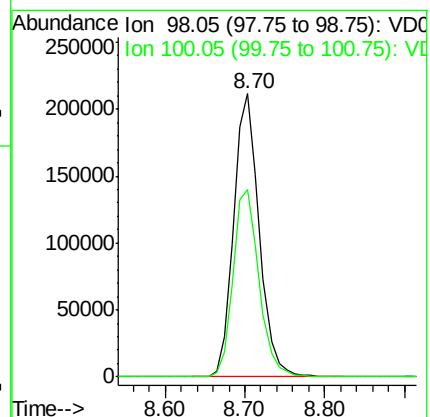
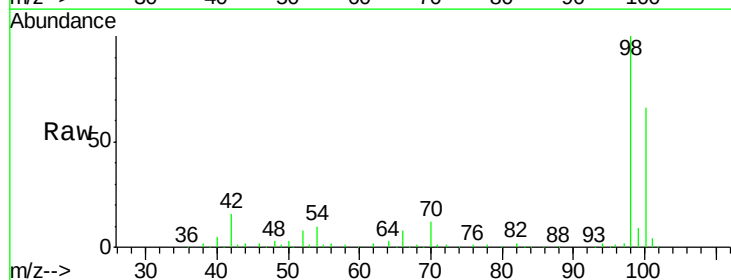
#38
Carbon Tetrachloride
Concen: 6.611 ug/l
RT: 5.63 min Scan# 549
Delta R.T. -0.10 min
Lab File: VD059488.D
Acq: 29 Jun 2018 13:31

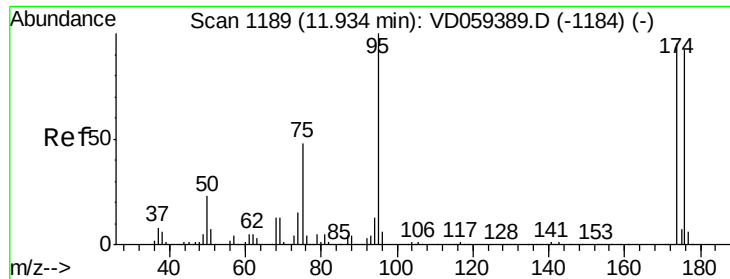
Tot Ion:117 Resp: 43824
Ion Ratio Lower Upper
117 100
119 3.1 76.6 115.0#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.70 min Scan# 861
Delta R.T. -0.01 min
Lab File: VD059488.D
Acq: 29 Jun 2018 13:31

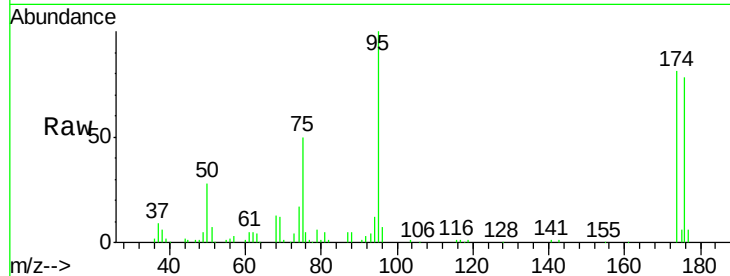
Tgt Ion: 98 Resp: 475913
Ion Ratio Lower Upper
98 100
100 66.1 54.4 81.6



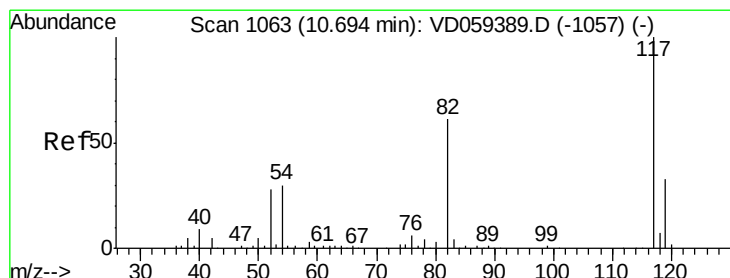
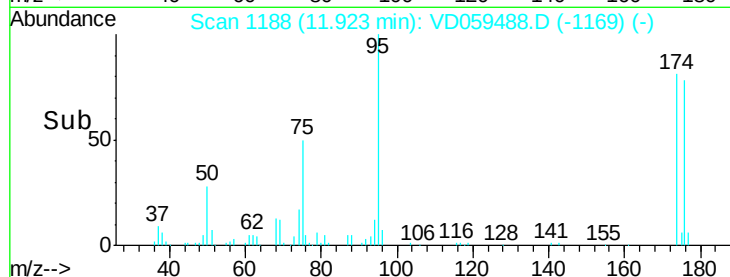
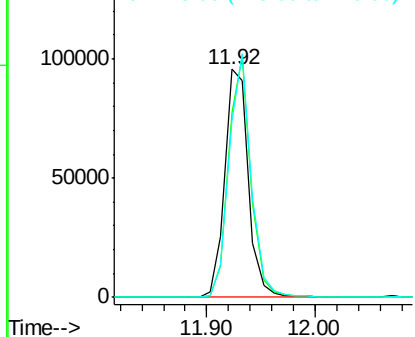


#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.92 min Scan# 1188
Delta R.T. -0.01 min
Lab File: VD059488.D
Acq: 29 Jun 2018 13:31

Tot Ion: 95 Resp: 145577
Ion Ratio Lower Upper
95 100
174 81.1 0.0 190.4
176 77.9 0.0 183.2

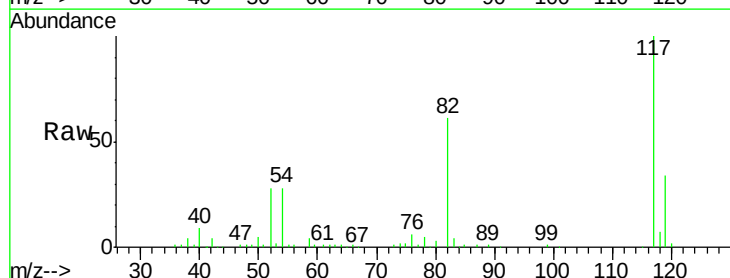


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

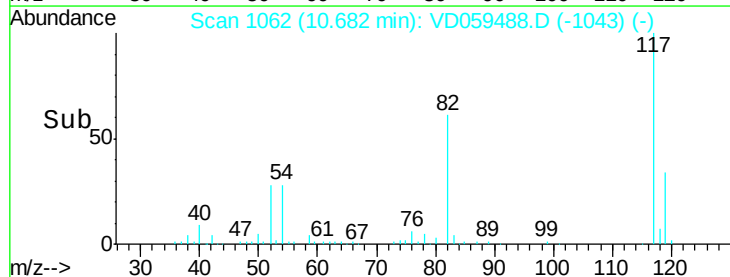
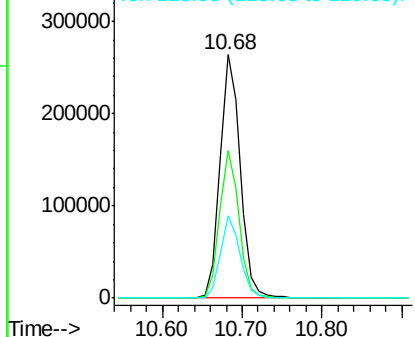


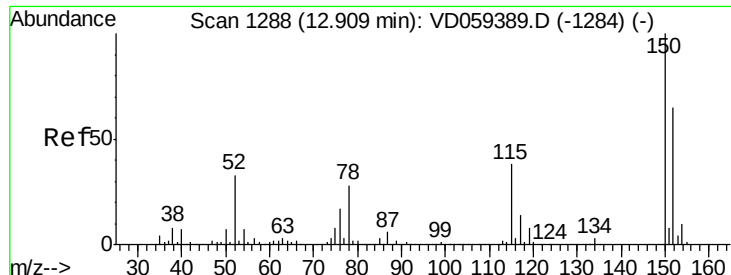
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VD059488.D
Acq: 29 Jun 2018 13:31

Tgt Ion: 117 Resp: 474491
Ion Ratio Lower Upper
117 100
82 60.7 49.0 73.6
119 33.9 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

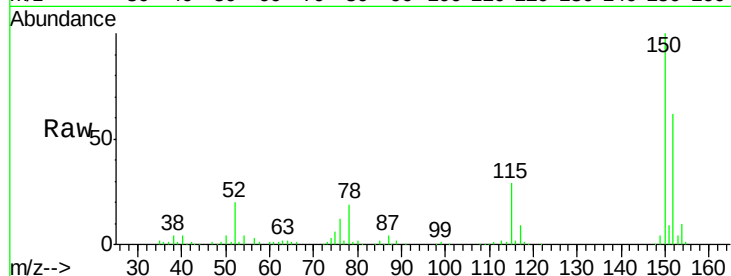




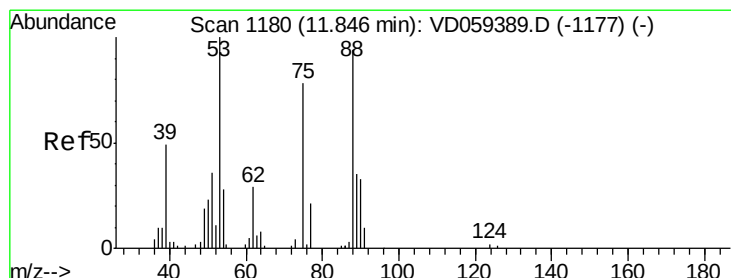
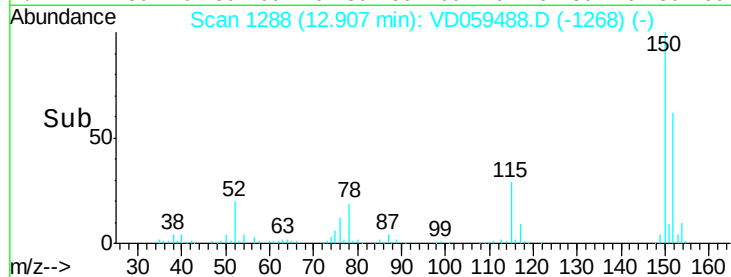
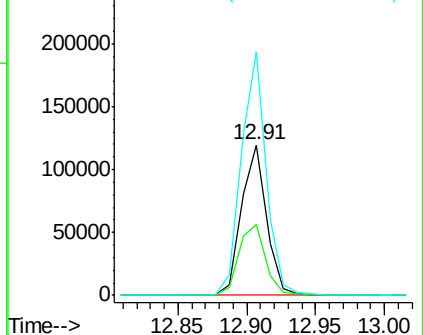
#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VD059488.D
Acq: 29 Jun 2018 13:31

Tot Ion	Ratio	Lower	Upper
152	100		
115	47.3	29.4	88.3
150	161.6	0.0	308.2



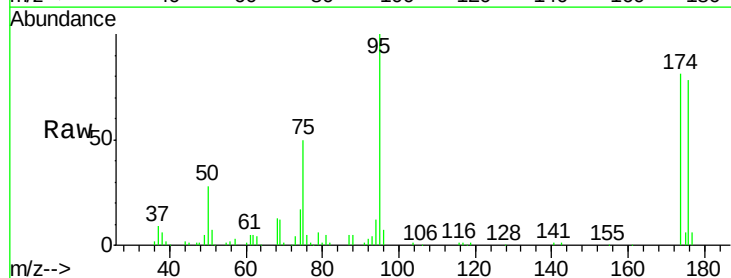
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 142.785 ug/l
RT: 11.92 min Scan# 1188
Delta R.T. 0.08 min
Lab File: VD059488.D
Acq: 29 Jun 2018 13:31

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

