

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062918\
 Data File : VD059492.D
 Acq On : 29 Jun 2018 15:24
 Operator : VA/AP
 Sample : J3248-09
 Misc : 7.00u/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 30 00:26:09 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	667696	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.68	114	861115	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	669913	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.91	152	315823	50.00	ug/l	0.00

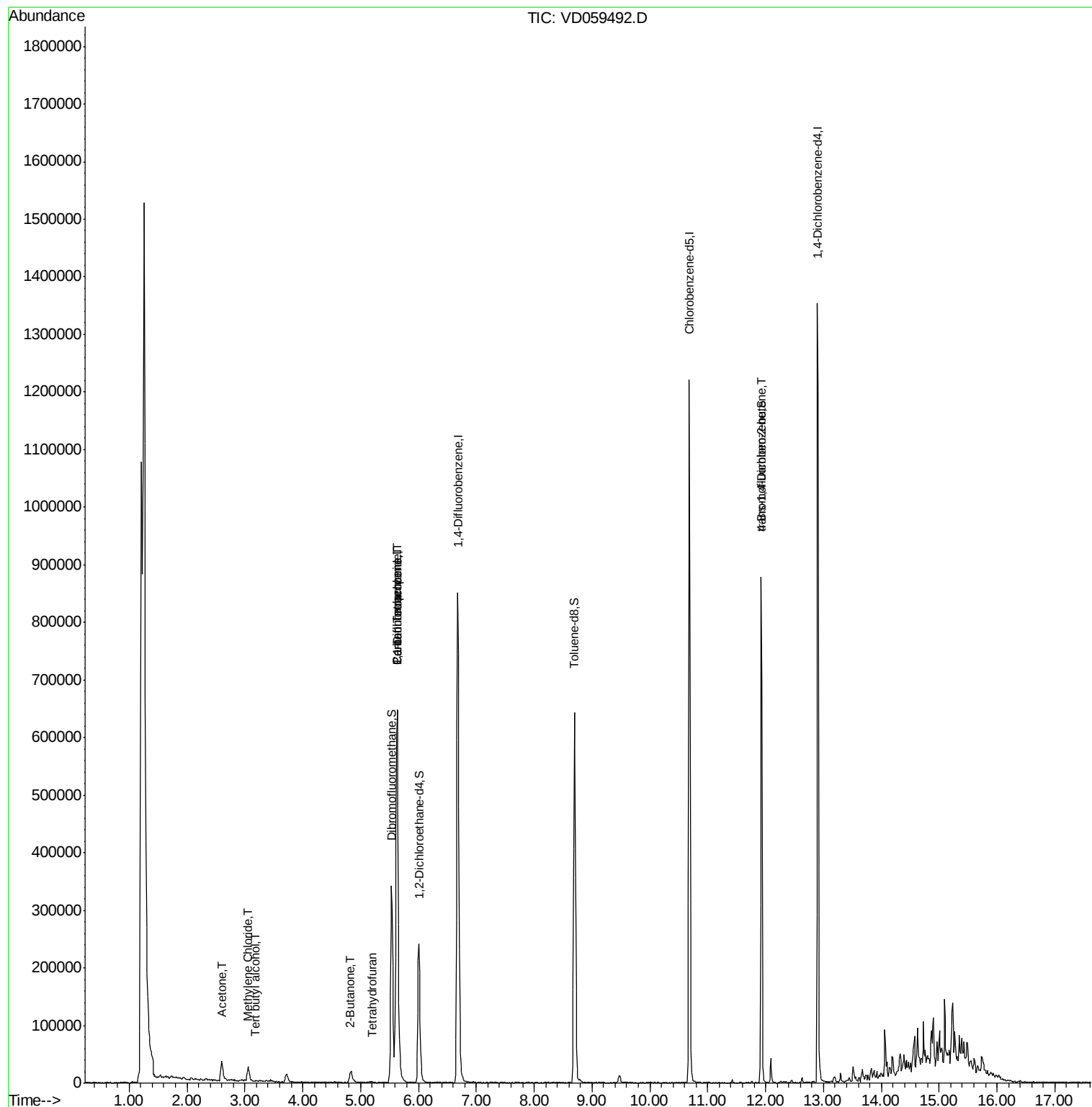
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	236692	34.66	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	69.32%	
35) Dibromofluoromethane	5.54	113	270392	38.55	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	77.10%	
50) Toluene-d8	8.70	98	507916	30.98	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	61.96%	
62) 4-Bromofluorobenzene	11.92	95	231856	33.99	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	67.98%	

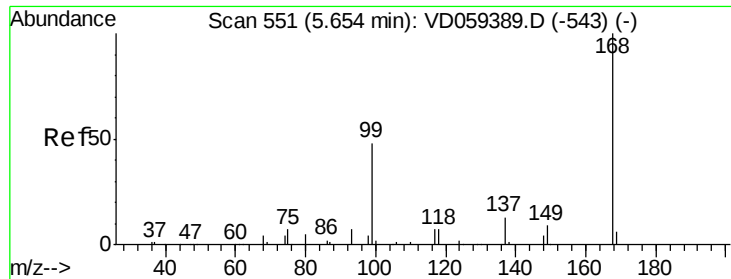
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.80	94	294	Below Cal		84
11) Tert butyl alcohol	3.18	59	499	2.112	ug/l #	72
16) Acetone	2.60	43	68969	80.032	ug/l #	89
18) Methyl Acetate	2.93	43	2614	Below Cal	#	66
20) Methylene Chloride	3.05	84	10558	2.024	ug/l	88
25) 2-Butanone	4.82	43	3820	2.116	ug/l #	57
29) Tetrahydrofuran	5.20	42	1617	1.638	ug/l #	57
31) Cyclohexane	5.61	56	13736	Below Cal	#	1
36) 1,1-Dichloropropene	5.62	75	54677	7.000	ug/l #	51
38) Carbon Tetrachloride	5.63	117	52835	6.560	ug/l #	15
81) trans-1,4-Dichloro-2-buten	11.92	75	113491	114.621	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: VD059492.D

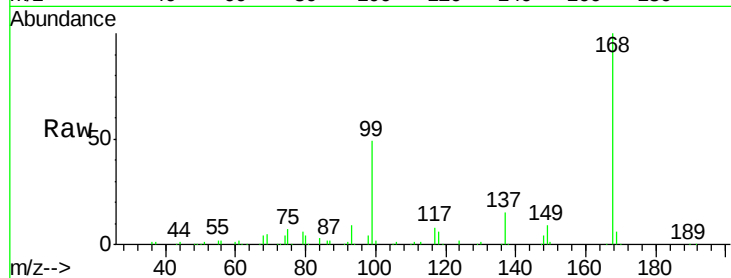
Acq: 29 Jun 2018 15:24

Tot Ion:168 Resp: 667696

Ion Ratio Lower Upper

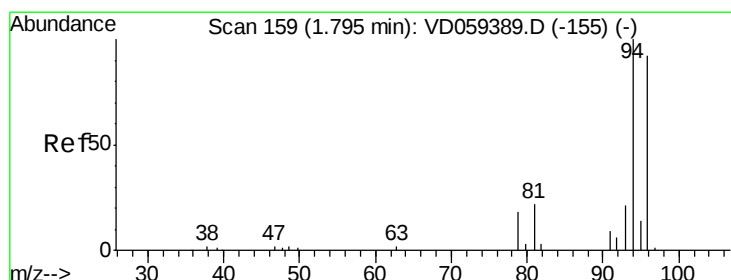
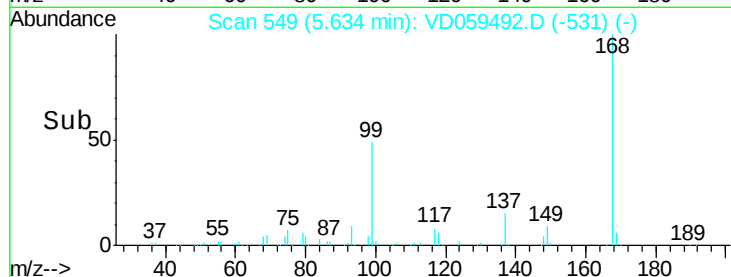
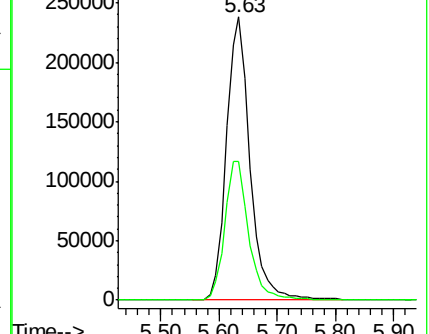
168 100

99 49.2 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. 0.01 min

Lab File: VD059492.D

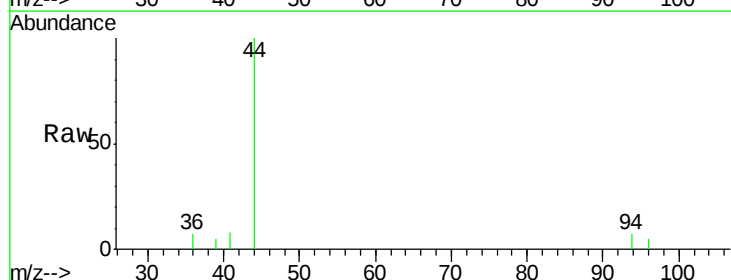
Acq: 29 Jun 2018 15:24

Tgt Ion: 94 Resp: 294

Ion Ratio Lower Upper

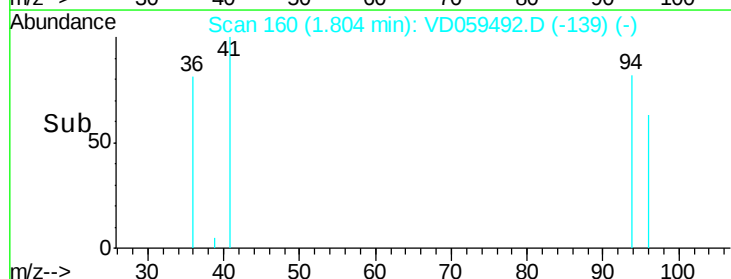
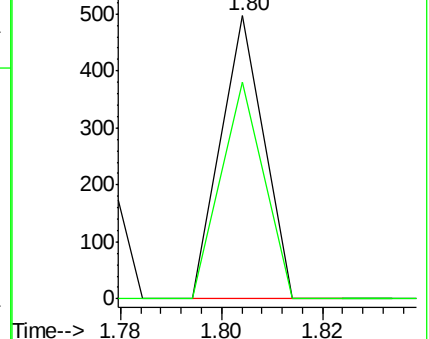
94 100

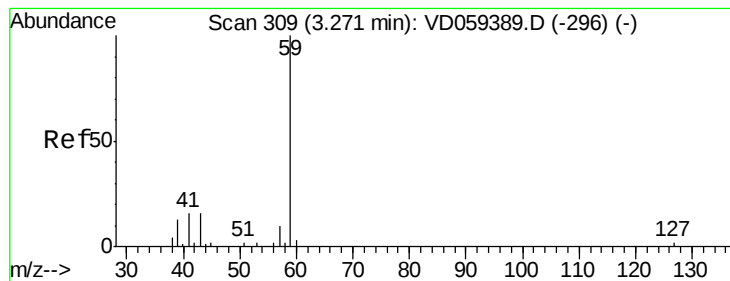
96 76.7 73.4 110.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

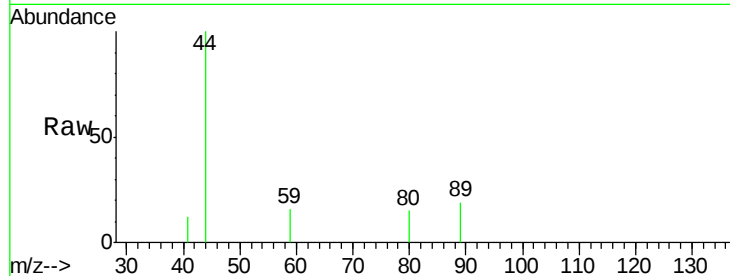




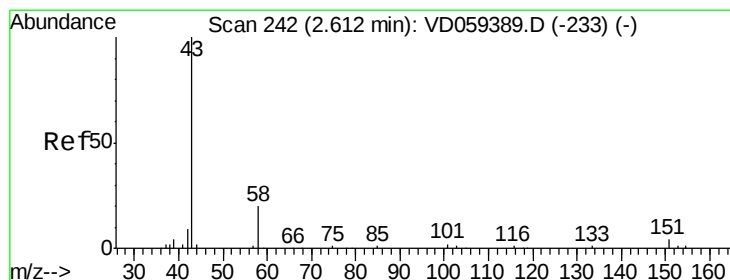
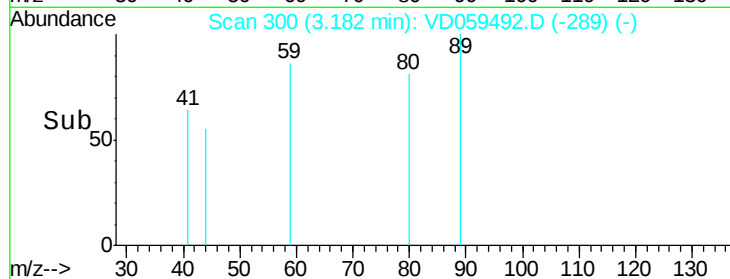
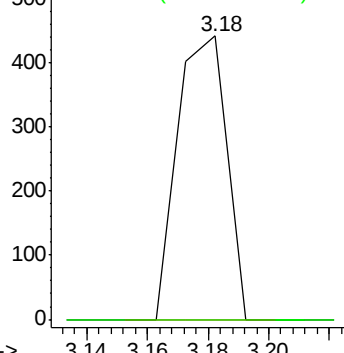
#11

Tert butyl alcohol
 Concen: 2.112 ug/l
 RT: 3.18 min Scan# 300
 Delta R.T. -0.09 min
 Lab File: VD059492.D
 Acq: 29 Jun 2018 15:24

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



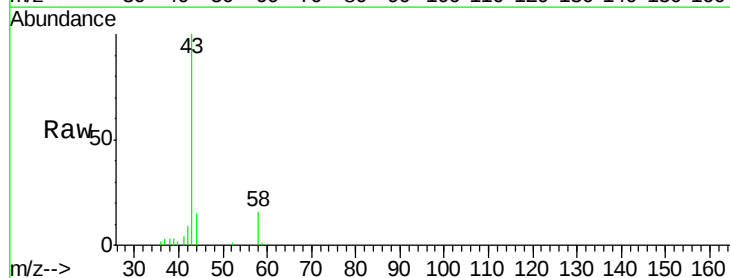
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



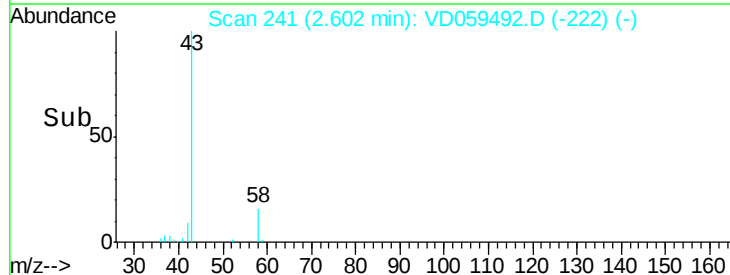
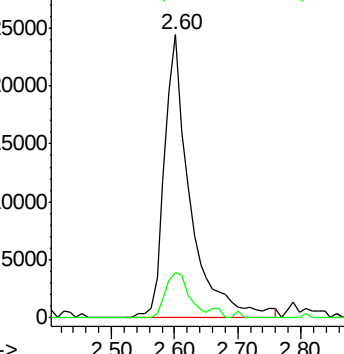
#16

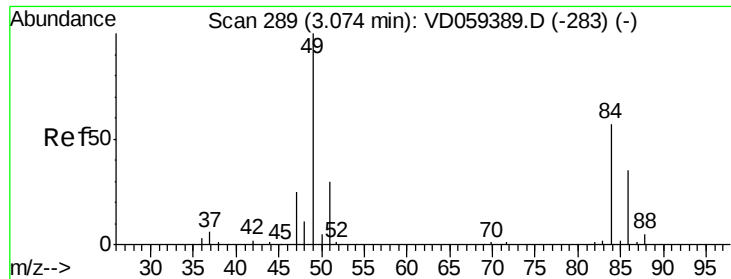
Acetone
 Concen: 80.032 ug/l
 RT: 2.60 min Scan# 241
 Delta R.T. -0.01 min
 Lab File: VD059492.D
 Acq: 29 Jun 2018 15:24

Tgt Ion	Ratio	Lower	Upper
43	100		
58	15.9	16.8	25.2#



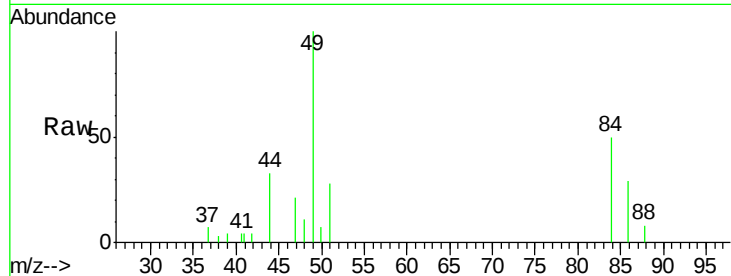
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 57.95 (57.65 to 58.65): VDC



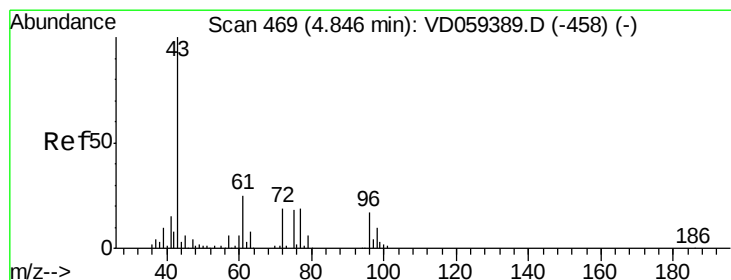
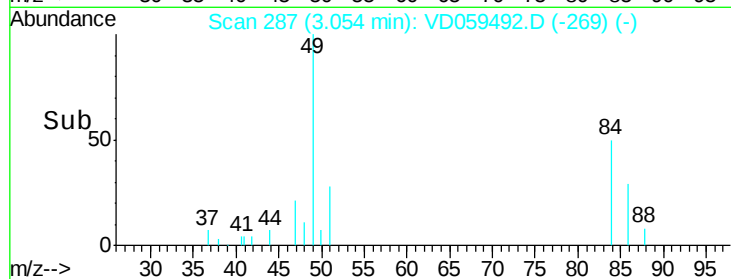
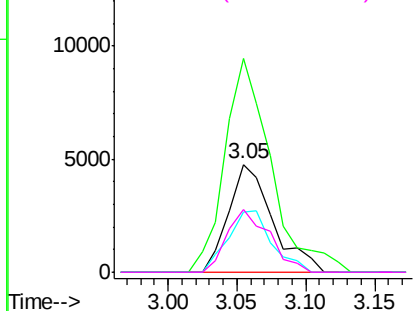


#20
Methvlene Chloride
Concen: 2.024 ug/l
RT: 3.05 min Scan# 287
Delta R.T. -0.02 min
Lab File: VD059492.D
Acq: 29 Jun 2018 15:24

Tot Ion:	84	Resp:	10558
Ion	Ratio	Lower	Upper
84	100		
49	198.3	140.3	210.5
51	56.3	41.6	62.4
86	57.7	49.4	74.2

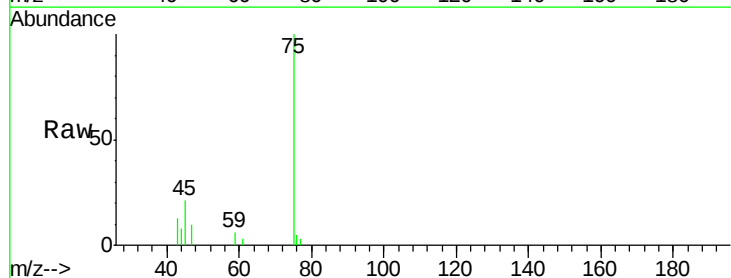


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

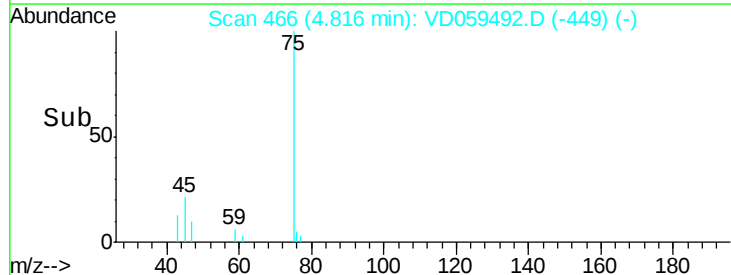
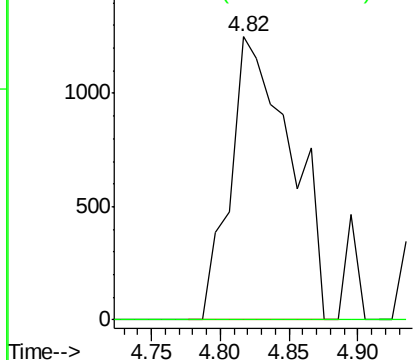


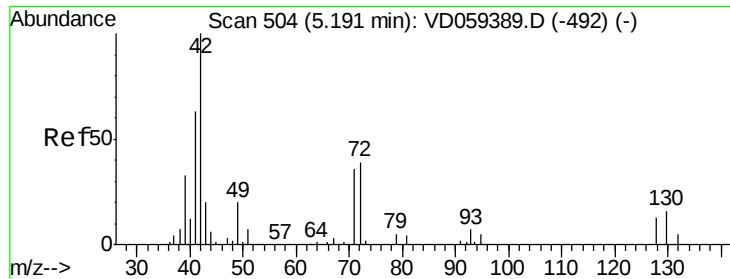
#25
2-Butanone
Concen: 2.116 ug/l
RT: 4.82 min Scan# 466
Delta R.T. -0.03 min
Lab File: VD059492.D
Acq: 29 Jun 2018 15:24

Tgt Ion:	43	Resp:	3820
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: 1.638 ug/l

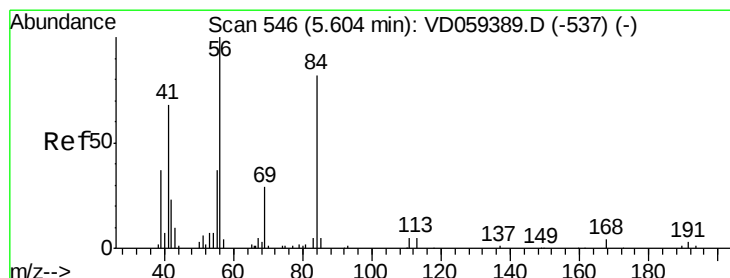
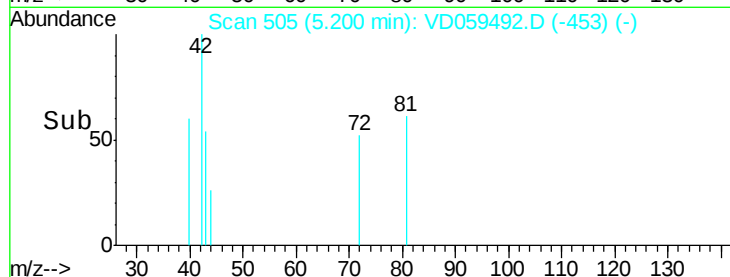
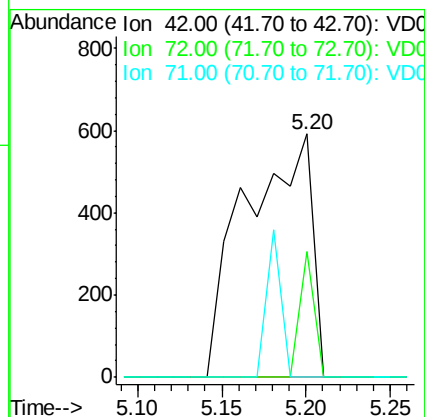
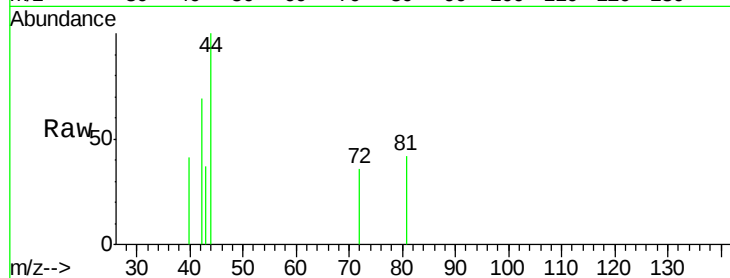
RT: 5.20 min Scan# 505

Delta R.T. 0.01 min

Lab File: VD059492.D

Acq: 29 Jun 2018 15:24

Tot Ion:	42	Resp:	1617
Ion	Ratio	Lower	Upper
42	100		
72	11.1	31.4	47.2#
71	13.2	29.7	44.5#



#31

Cyclohexane

Concen: Below Cal

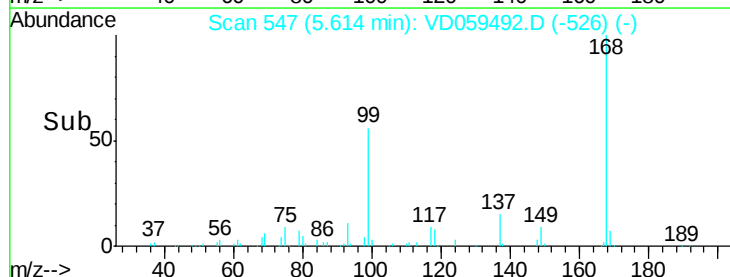
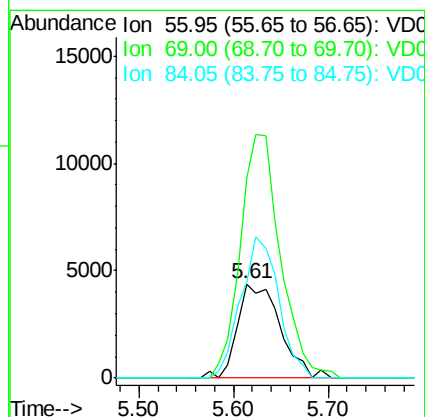
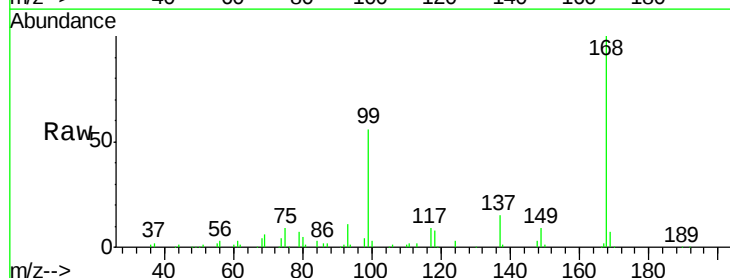
RT: 5.61 min Scan# 547

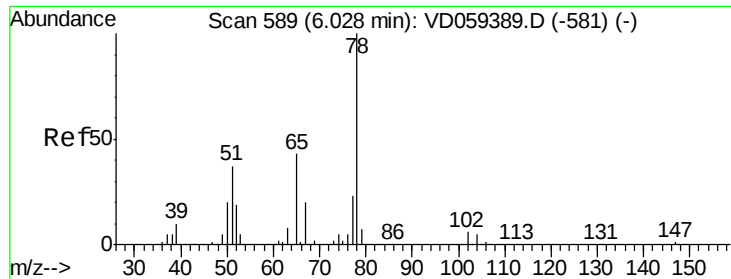
Delta R.T. 0.01 min

Lab File: VD059492.D

Acq: 29 Jun 2018 15:24

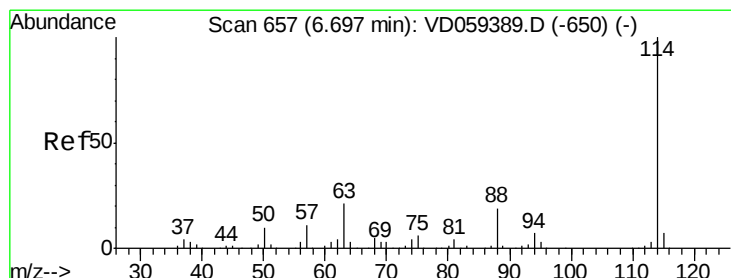
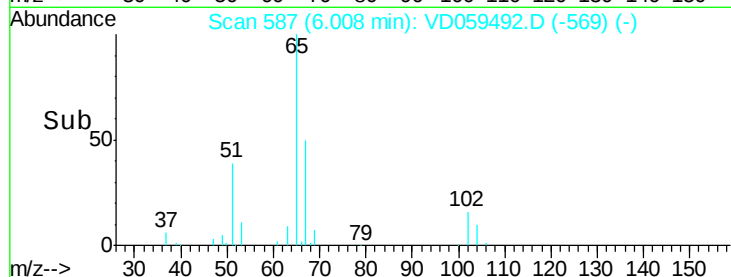
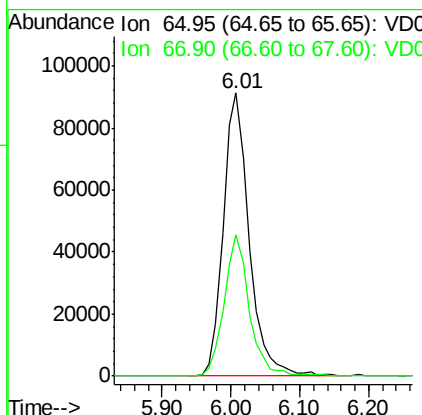
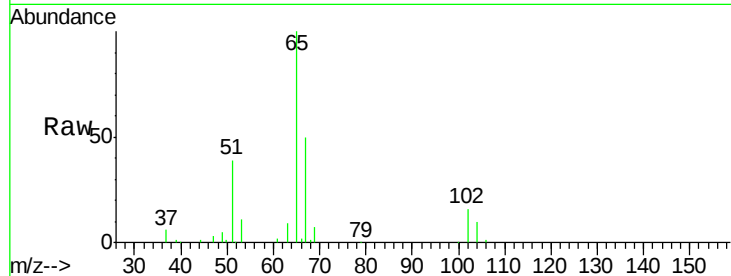
Tgt Ion:	56	Resp:	13736
Ion	Ratio	Lower	Upper
56	100		
69	212.1	22.9	34.3#
84	102.4	67.3	100.9#





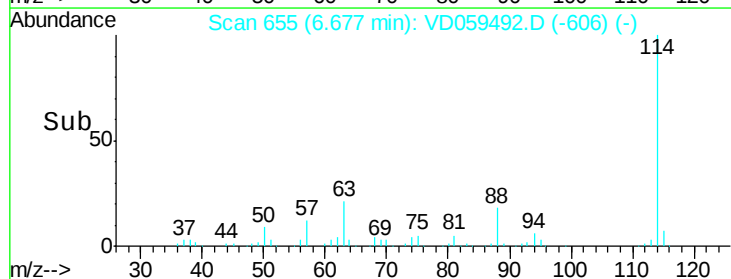
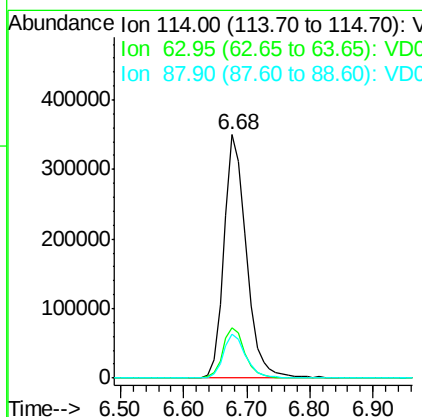
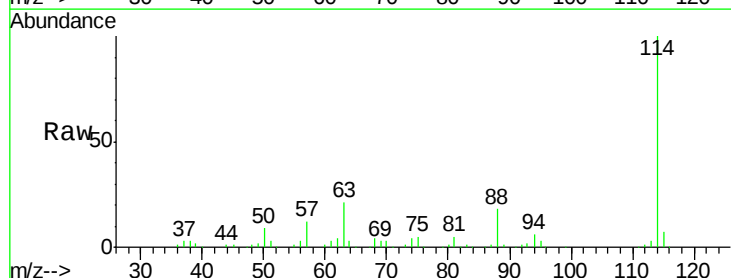
#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 6.01 min Scan# 587
 Delta R.T. -0.02 min
 Lab File: VD059492.D
 Acq: 29 Jun 2018 15:24

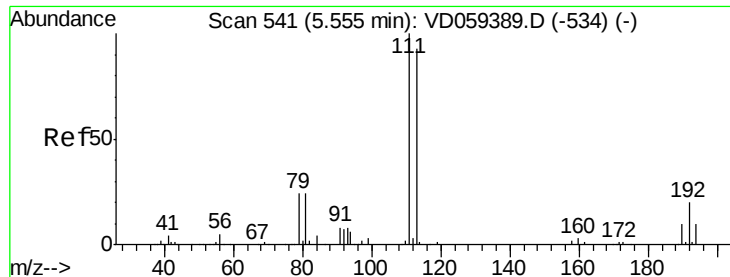
Tot Ion: 65 Resp: 236692
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 93.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.68 min Scan# 655
 Delta R.T. -0.02 min
 Lab File: VD059492.D
 Acq: 29 Jun 2018 15:24

Tgt Ion: 114 Resp: 861115
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 42.4
 88 18.1 0.0 38.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.54 min Scan# 539

Delta R.T. -0.02 min

Lab File: VD059492.D

Acq: 29 Jun 2018 15:24

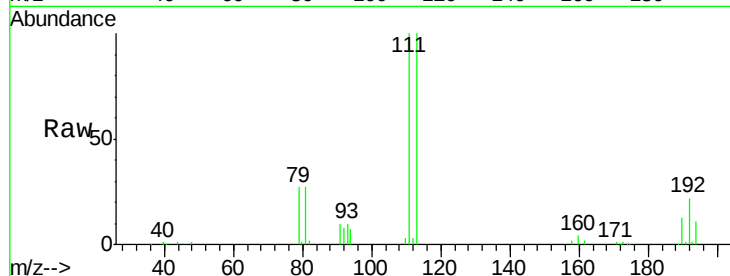
Tot Ion:113 Resp: 270392

Ion Ratio Lower Upper

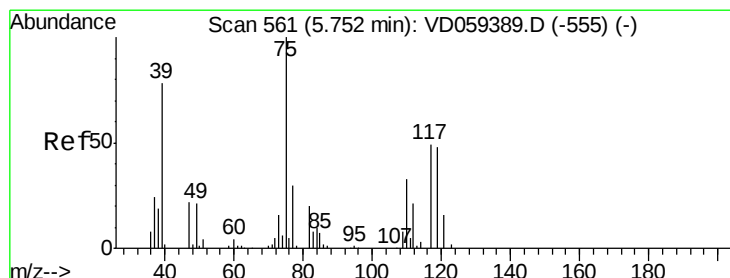
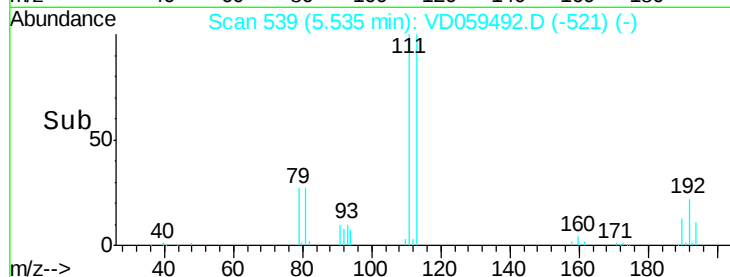
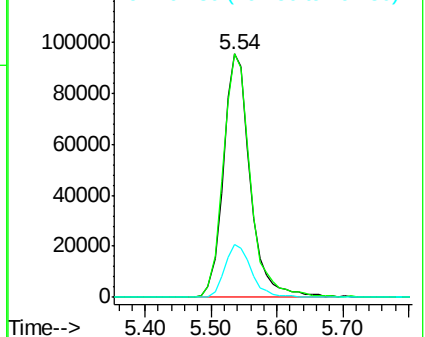
113 100

111 99.8 85.7 128.5

192 22.0 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: 7.000 ug/l

RT: 5.62 min Scan# 548

Delta R.T. -0.13 min

Lab File: VD059492.D

Acq: 29 Jun 2018 15:24

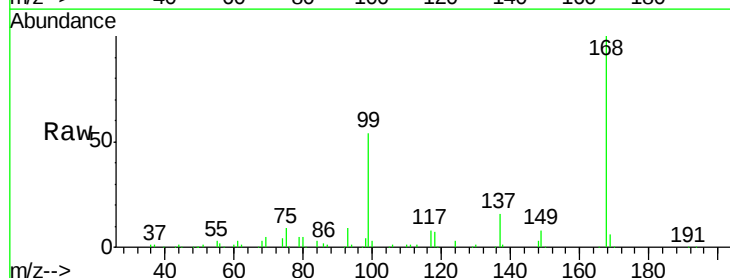
Tgt Ion: 75 Resp: 54677

Ion Ratio Lower Upper

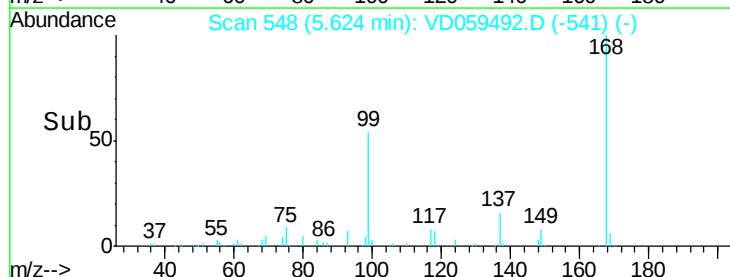
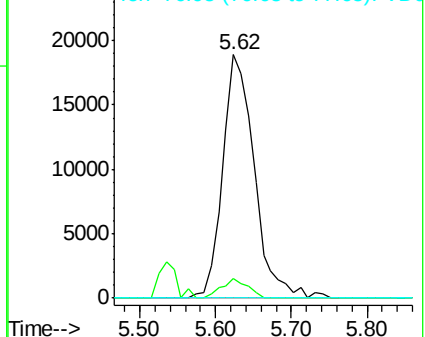
75 100

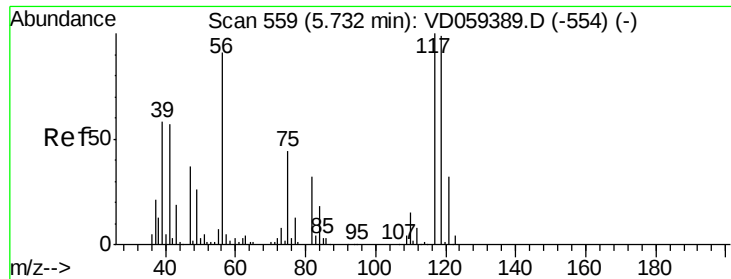
110 8.0 16.1 48.2#

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: 6.560 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.10 min

Lab File: VD059492.D

Acq: 29 Jun 2018 15:24

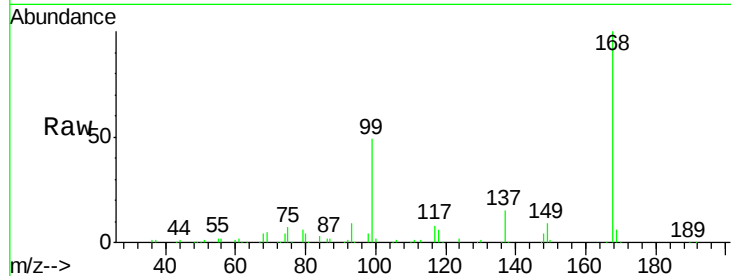
Tot Ion:117 Resp: 52835

Ion Ratio Lower Upper

117 100

119 4.4 76.6 115.0#

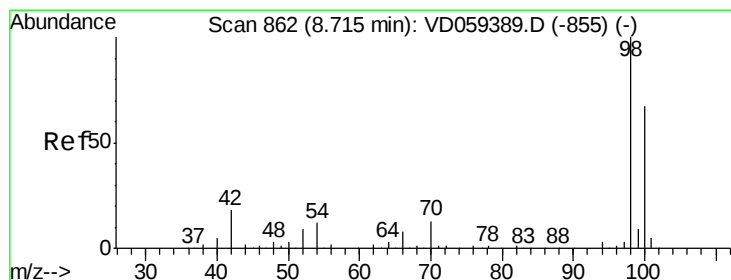
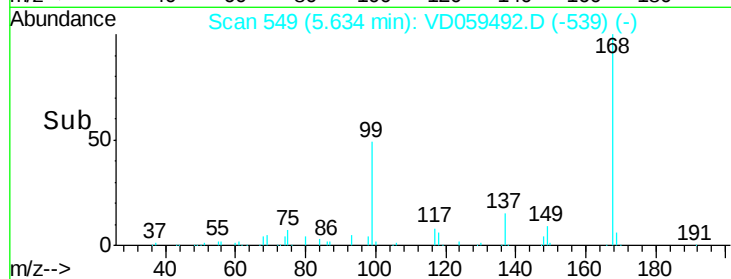
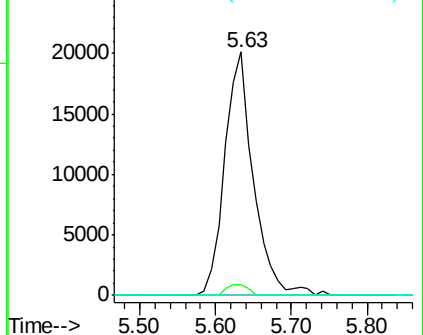
121 0.0 25.0 37.4#



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# 860

Delta R.T. -0.02 min

Lab File: VD059492.D

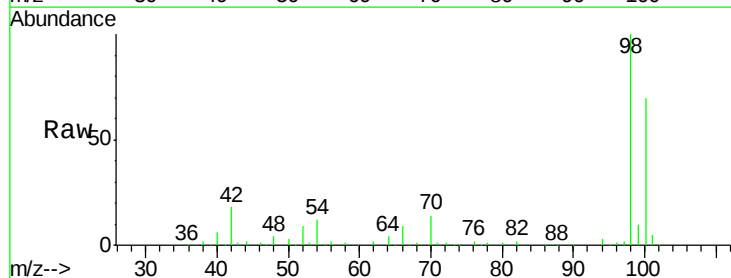
Acq: 29 Jun 2018 15:24

Tgt Ion: 98 Resp: 507916

Ion Ratio Lower Upper

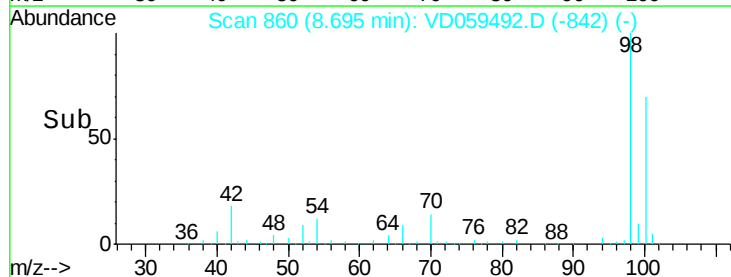
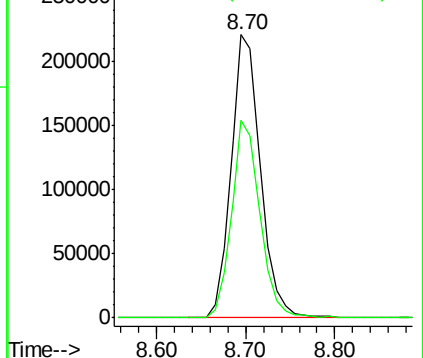
98 100

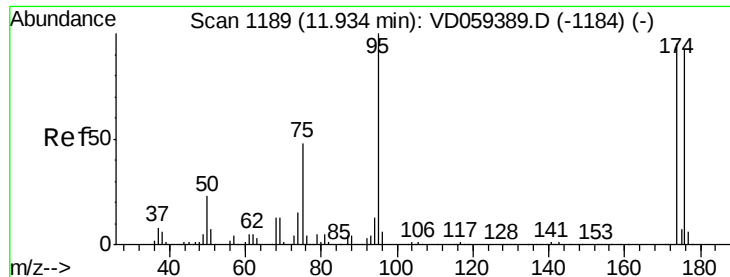
100 69.6 54.4 81.6



Abundance Ion 98.05 (97.75 to 98.75): V

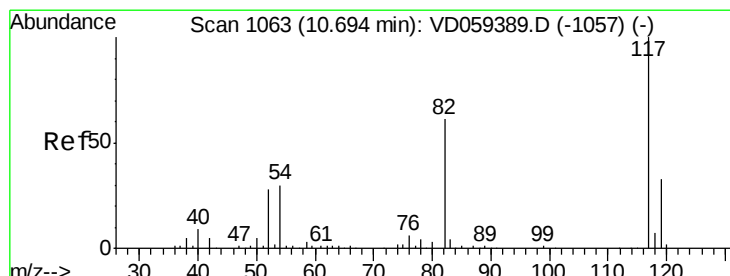
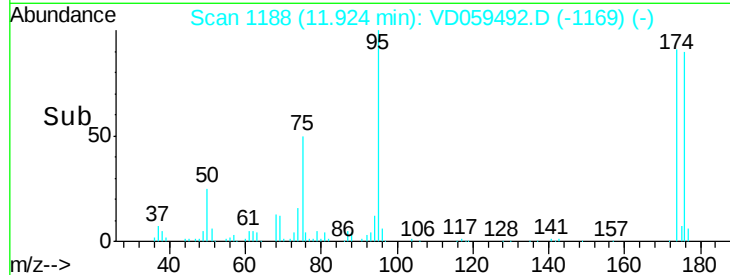
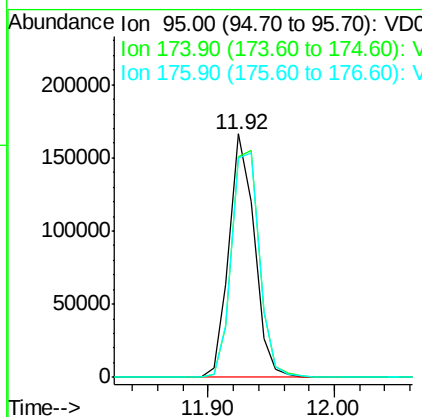
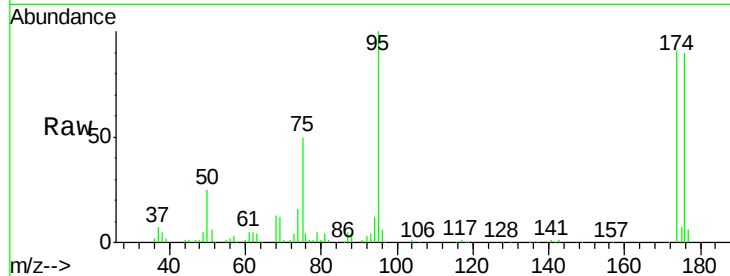
Ion 100.05 (99.75 to 100.75): V





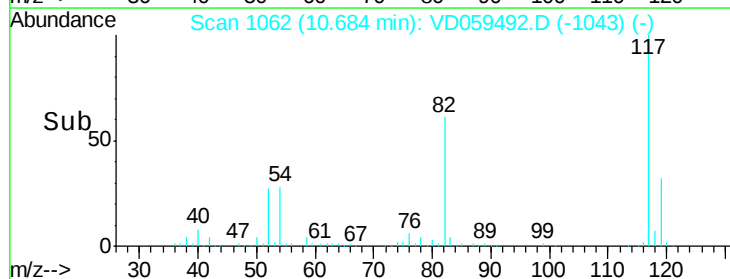
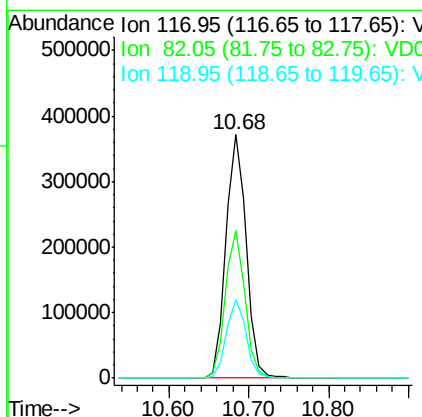
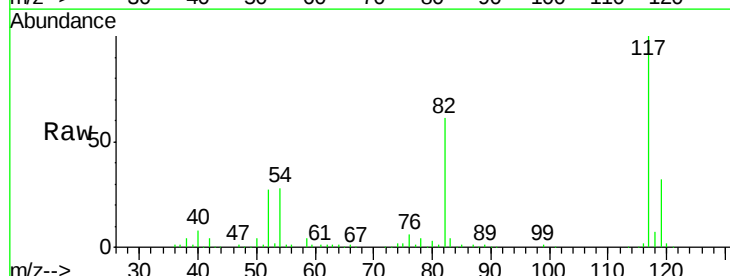
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.92 min Scan# 1188
Delta R.T. -0.01 min
Lab File: VD059492.D
Acq: 29 Jun 2018 15:24

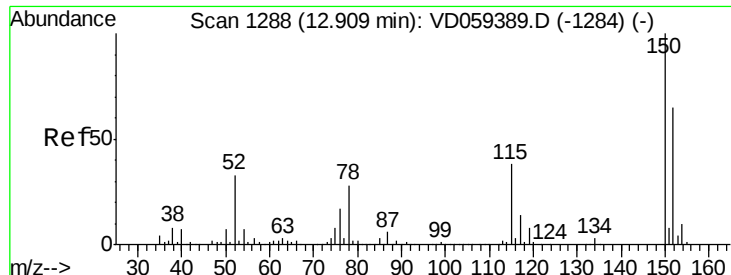
Tot Ion: 95 Resp: 231856
Ion Ratio Lower Upper
95 100
174 90.8 0.0 190.4
176 90.2 0.0 183.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VD059492.D
Acq: 29 Jun 2018 15:24

Tgt Ion: 117 Resp: 669913
Ion Ratio Lower Upper
117 100
82 60.7 49.0 73.6
119 32.1 26.2 39.4

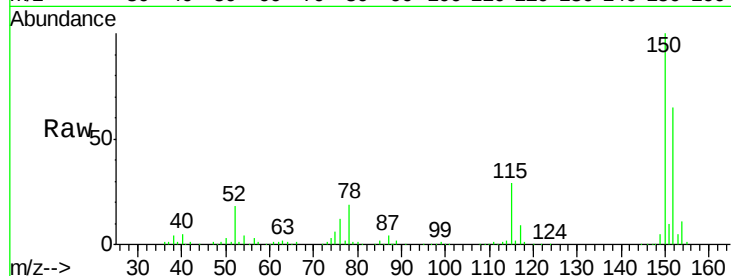




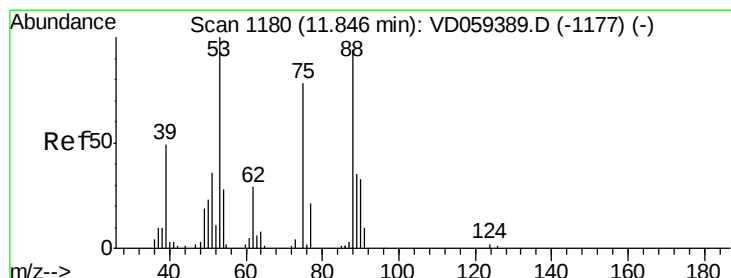
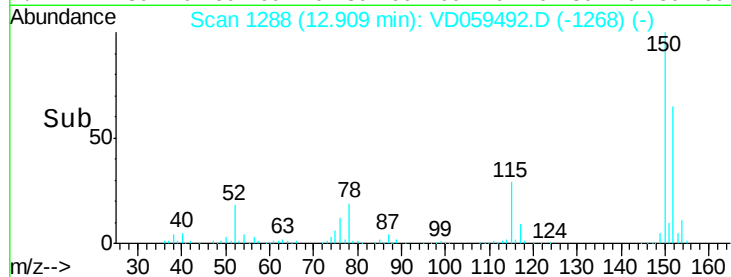
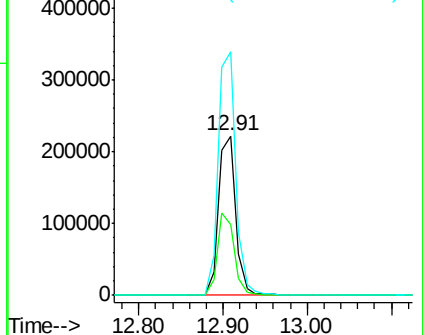
#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VD059492.D
Acq: 29 Jun 2018 15:24

Tot Ion	Ratio	Lower	Upper
152	100		
115	44.4	29.4	88.3
150	152.7	0.0	308.2



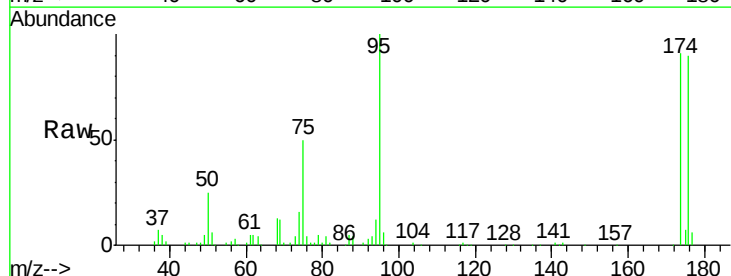
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 114.621 ug/l
RT: 11.92 min Scan# 1188
Delta R.T. 0.08 min
Lab File: VD059492.D
Acq: 29 Jun 2018 15:24

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

