

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062918\
 Data File : VD059494.D
 Acq On : 29 Jun 2018 16:21
 Operator : VA/AP
 Sample : J3248-07RE
 Misc : 6.72g/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 30 00:26:25 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	554546	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.68	114	706069	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	550593	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.91	152	261032	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.01	65	332651	58.66	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	117.32%	
35) Dibromofluoromethane	5.53	113	348635	60.62	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	121.24%	
50) Toluene-d8	8.69	98	769273	57.22	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	114.44%	
62) 4-Bromofluorobenzene	11.92	95	290433	51.93	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	103.86%	

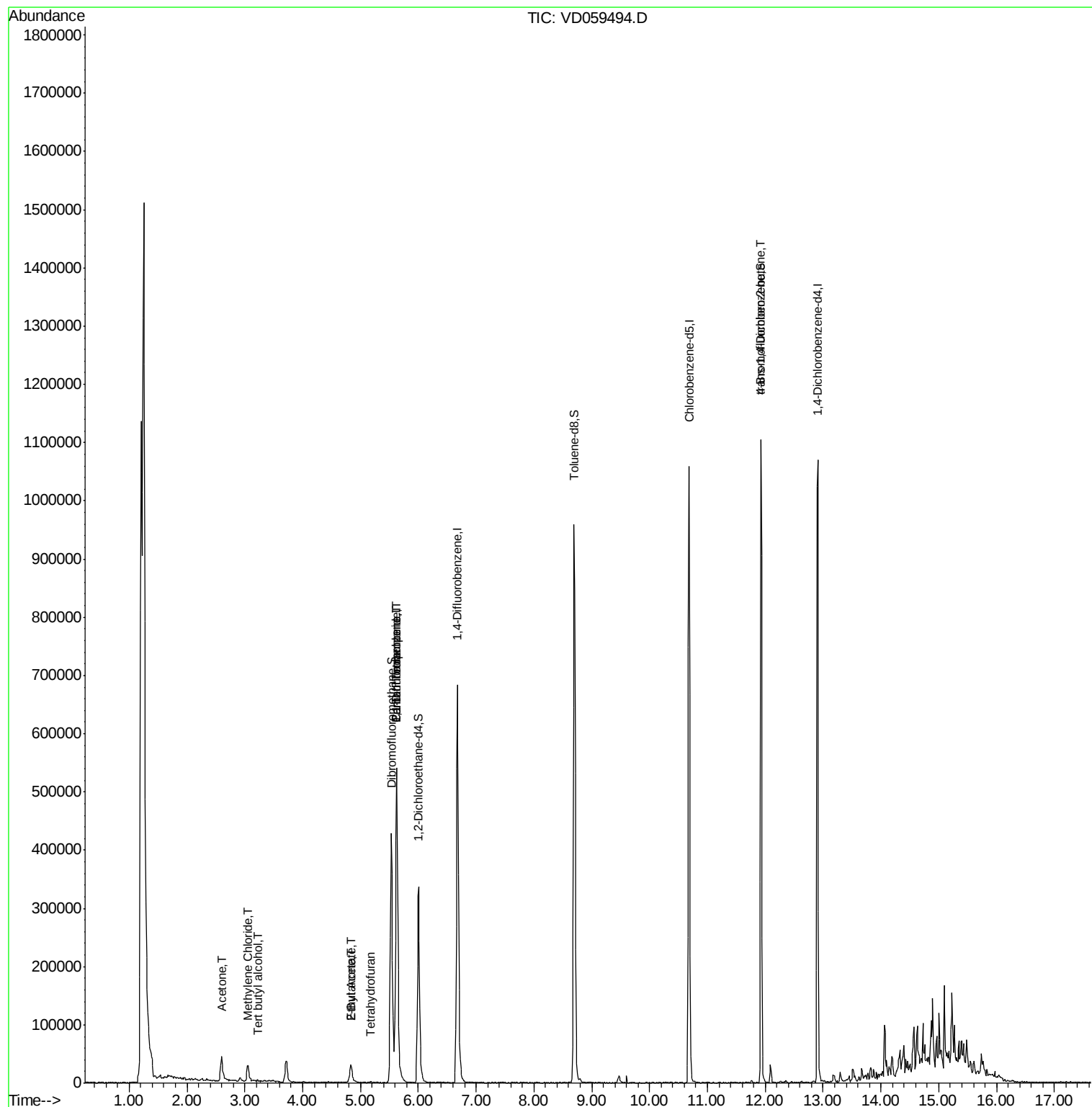
Target Compounds

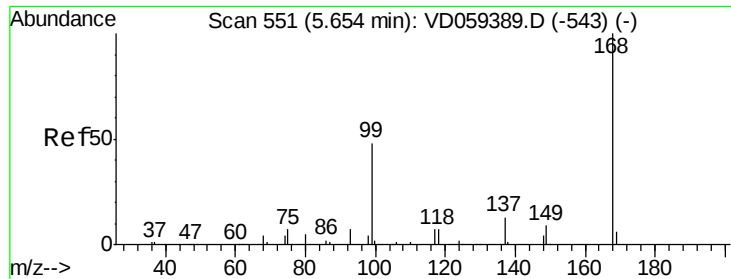
					Qvalue	
5) Bromomethane	1.78	94	195	Below Cal	#	4
11) Tert butyl alcohol	3.23	59	767	3.910	ug/l #	72
16) Acetone	2.60	43	82890	115.811	ug/l	94
20) Methylene Chloride	3.04	84	12919	4.224	ug/l	98
25) 2-Butanone	4.83	43	5447	3.633	ug/l #	57
29) Tetrahydrofuran	5.18	42	1272	1.551	ug/l #	57
31) Cyclohexane	5.62	56	11337	Below Cal	#	1
36) 1,1-Dichloropropene	5.62	75	44610	6.965	ug/l #	51
37) Ethyl Acetate	4.83	43	5447	1.396	ug/l #	74
38) Carbon Tetrachloride	5.62	117	44414	6.726	ug/l #	17
81) trans-1,4-Dichloro-2-buten	11.92	75	139427	170.372	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
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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: VD059494.D

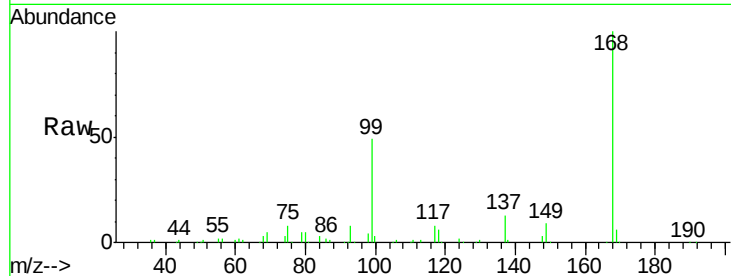
Acq: 29 Jun 2018 16:21

Tot Ion:168 Resp: 554546

Ion Ratio Lower Upper

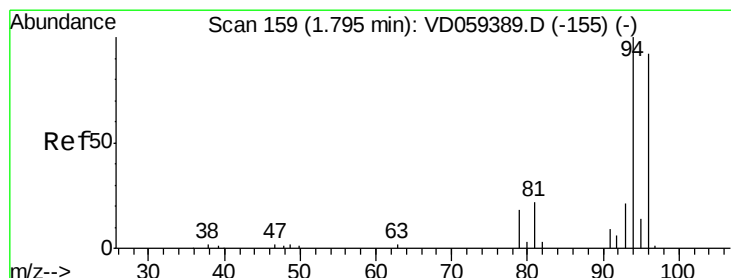
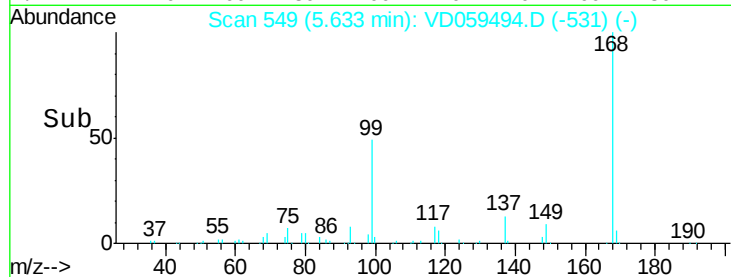
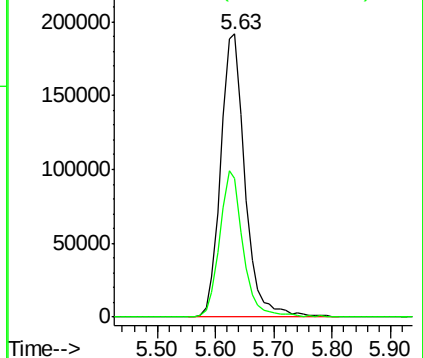
168 100

99 49.0 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: VD059494.D

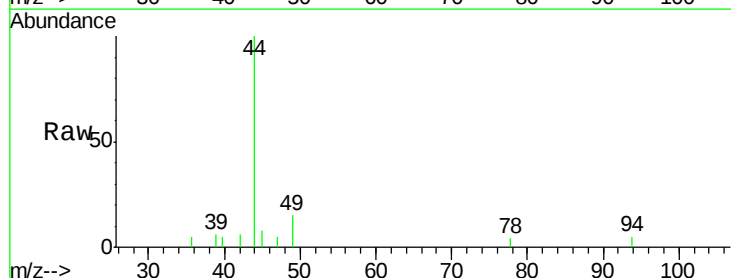
Acq: 29 Jun 2018 16:21

Tgt Ion: 94 Resp: 195

Ion Ratio Lower Upper

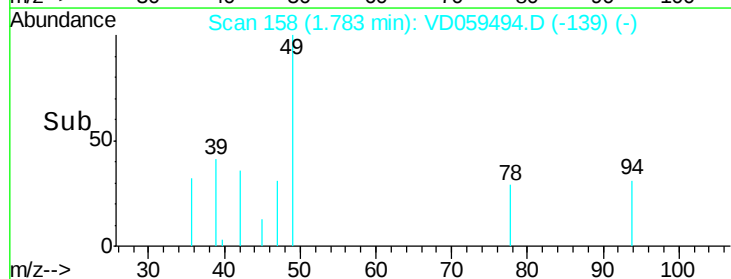
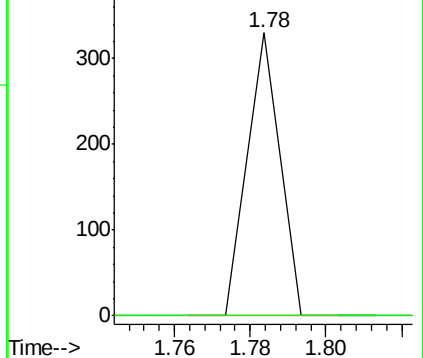
94 100

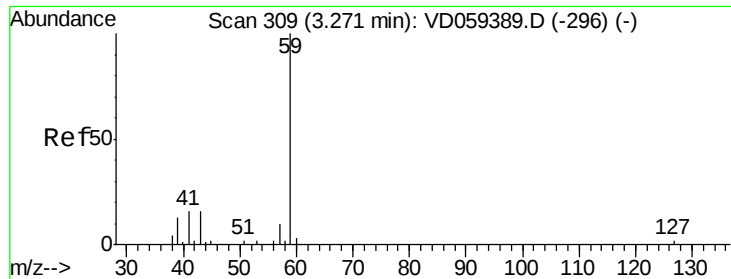
96 0.0 73.4 110.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

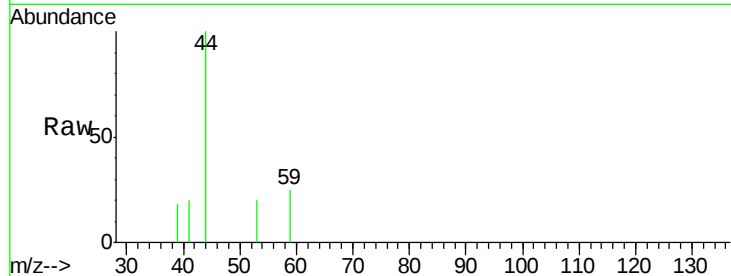
Ion 95.90 (95.60 to 96.60): VDC



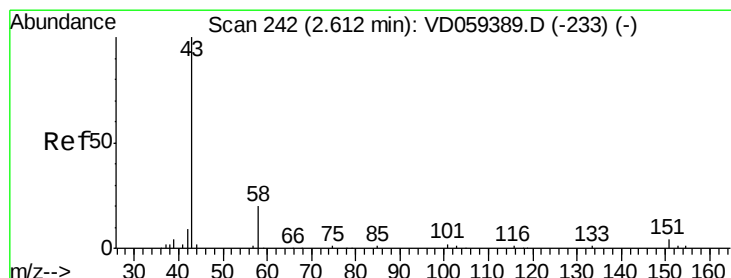
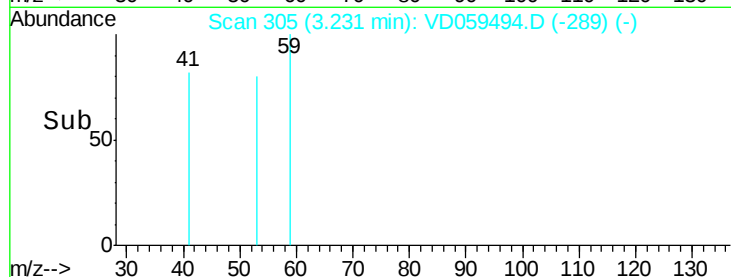
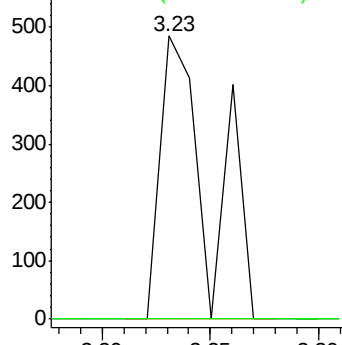


#11
Tert butyl alcohol
Concen: 3.910 ug/l
RT: 3.23 min Scan# 305
Delta R.T. -0.04 min
Lab File: VD059494.D
Acq: 29 Jun 2018 16:21

Tot Ion: 59 Resp: 767
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

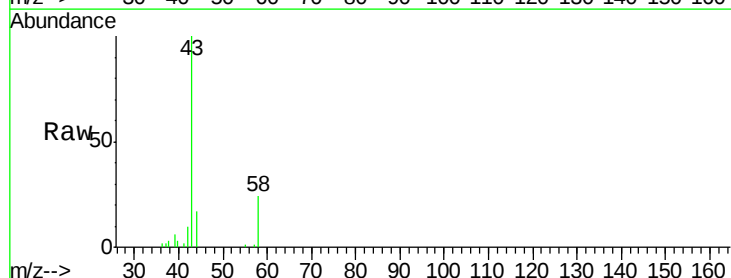


Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC

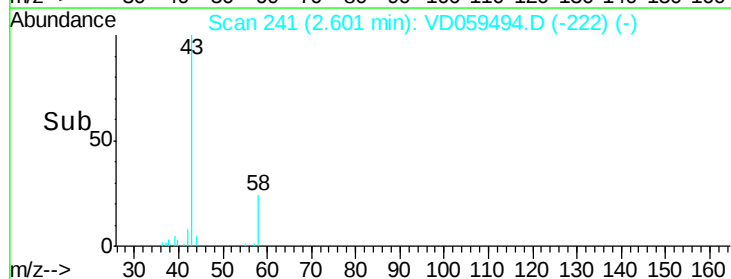
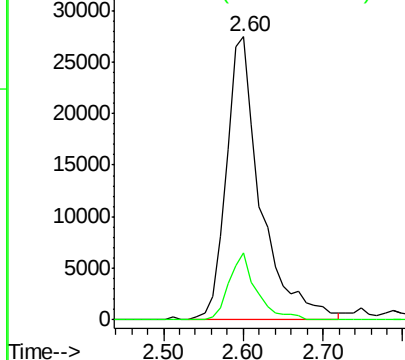


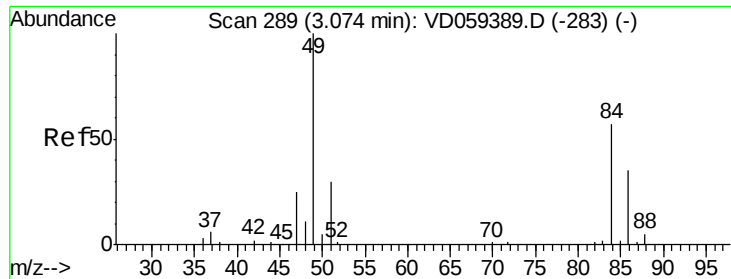
#16
Acetone
Concen: 115.811 ug/l
RT: 2.60 min Scan# 241
Delta R.T. -0.01 min
Lab File: VD059494.D
Acq: 29 Jun 2018 16:21

Tgt Ion: 43 Resp: 82890
Ion Ratio Lower Upper
43 100
58 23.7 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: 4.224 ug/l

RT: 3.04 min Scan# 286

Delta R.T. -0.03 min

Lab File: VD059494.D

Acq: 29 Jun 2018 16:21

Tot Ion: 84 Resp: 12919

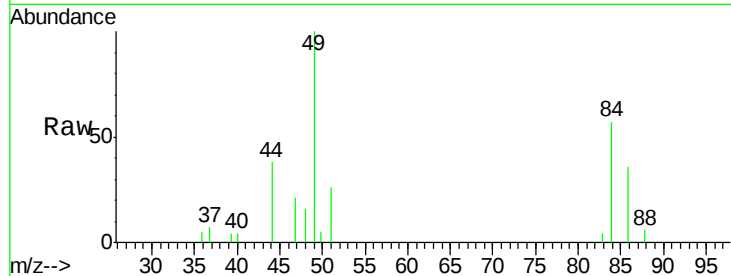
Ion Ratio Lower Upper

84 100

49 175.0 140.3 210.5

51 45.4 41.6 62.4

86 63.3 49.4 74.2

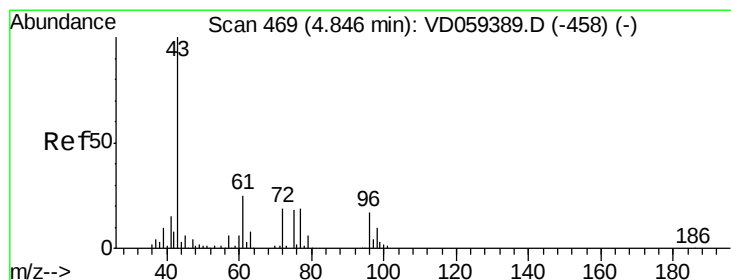
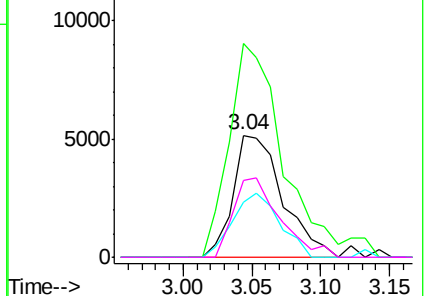
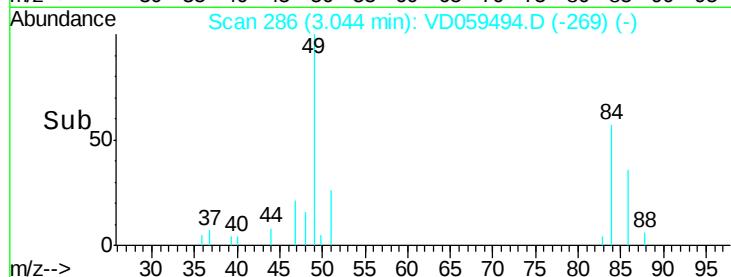


Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 3.633 ug/l

RT: 4.83 min Scan# 467

Delta R.T. -0.02 min

Lab File: VD059494.D

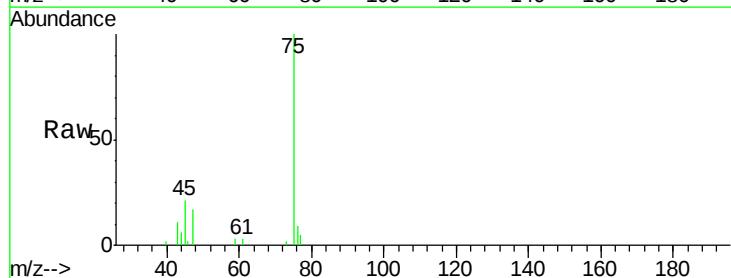
Acq: 29 Jun 2018 16:21

Tgt Ion: 43 Resp: 5447

Ion Ratio Lower Upper

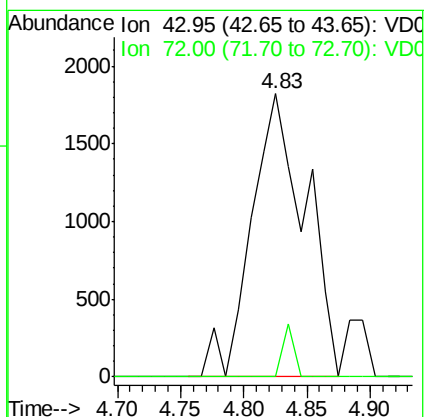
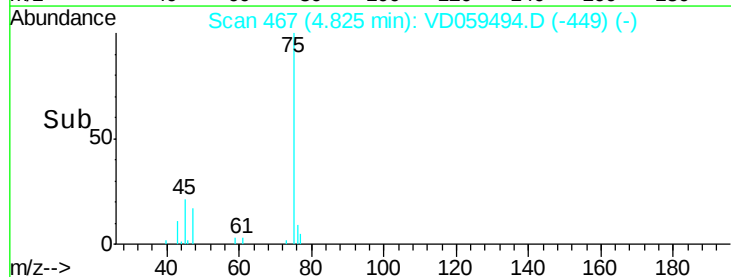
43 100

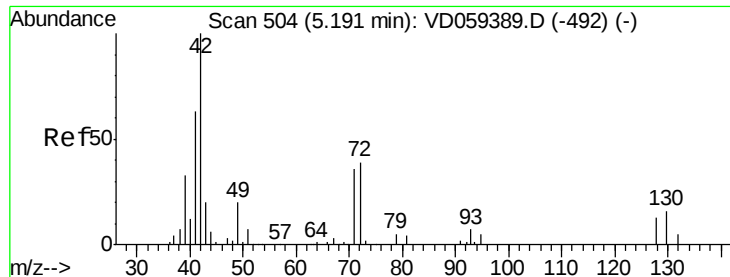
72 0.0 15.4 23.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

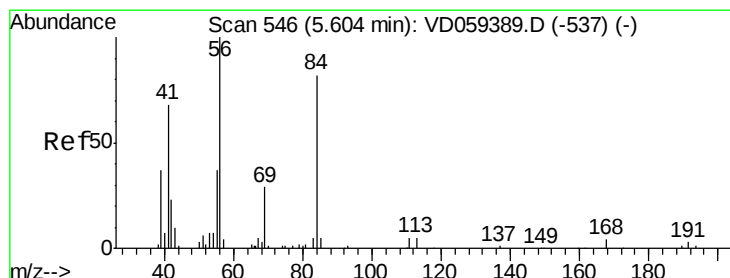
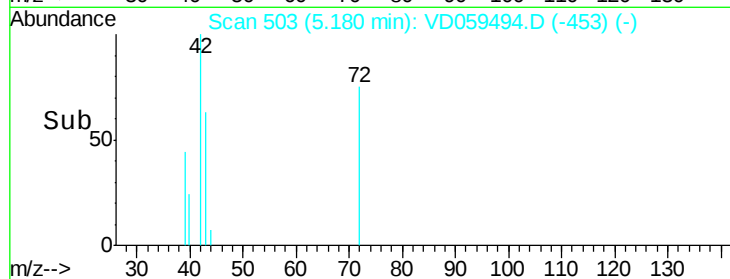
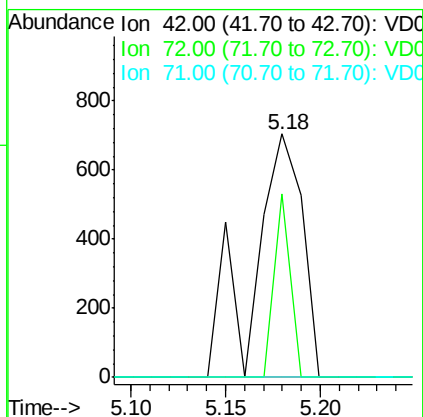
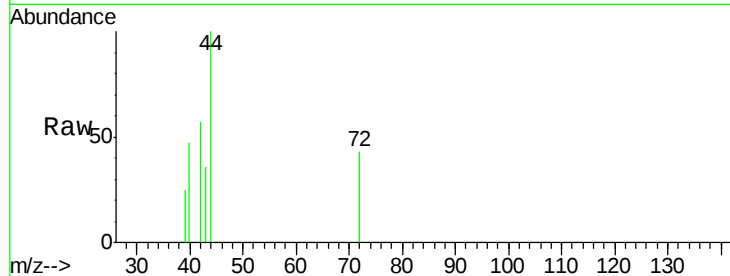
Ion 72.00 (71.70 to 72.70): VDC





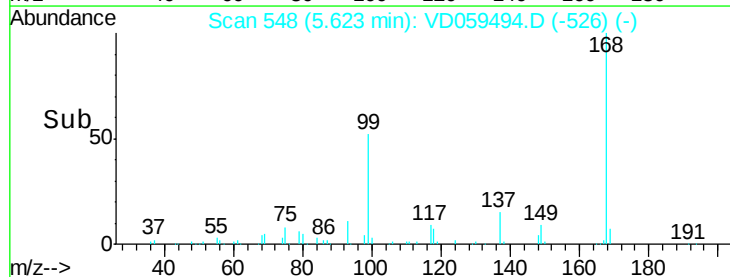
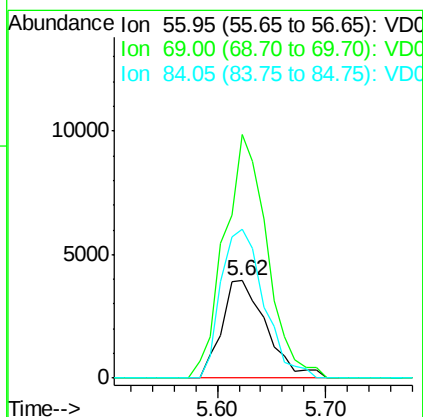
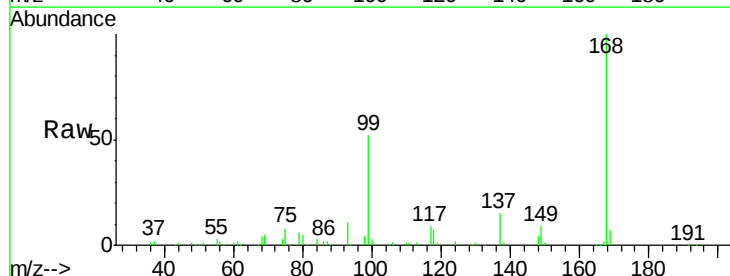
#29
Tetrahydrofuran
Concen: 1.551 ug/l
RT: 5.18 min Scan# 503
Delta R.T. -0.01 min
Lab File: VD059494.D
Acq: 29 Jun 2018 16:21

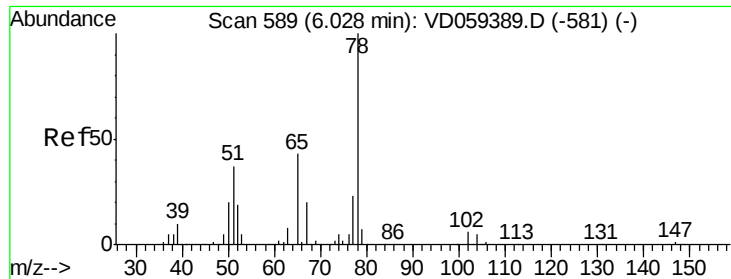
Tot Ion: 42 Resp: 1272
Ion Ratio Lower Upper
42 100
72 24.6 31.4 47.2#
71 0.0 29.7 44.5#



#31
Cyclohexane
Concen: Below Cal
RT: 5.62 min Scan# 548
Delta R.T. 0.02 min
Lab File: VD059494.D
Acq: 29 Jun 2018 16:21

Tgt Ion: 56 Resp: 11337
Ion Ratio Lower Upper
56 100
69 250.5 22.9 34.3#
84 153.7 67.3 100.9#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.01 min Scan# 587

Delta R.T. -0.02 min

Lab File: VD059494.D

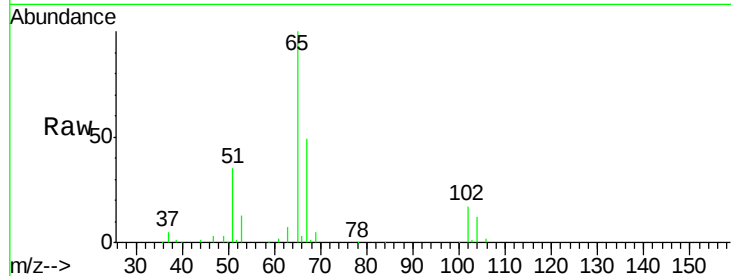
Acq: 29 Jun 2018 16:21

Tot Ion: 65 Resp: 332651

Ion Ratio Lower Upper

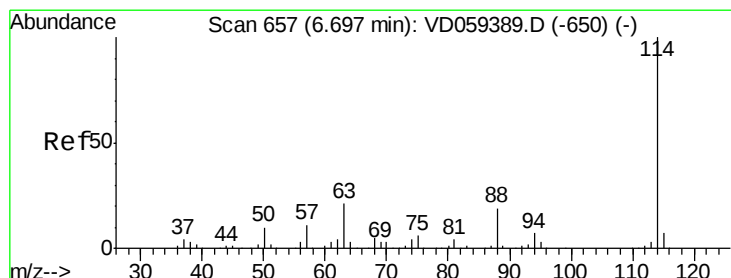
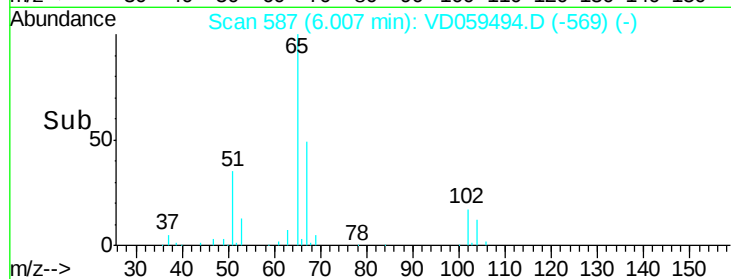
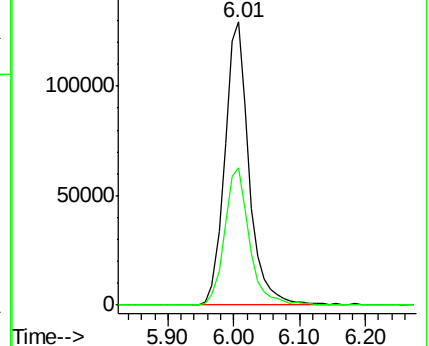
65 100

67 48.6 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# 655

Delta R.T. -0.02 min

Lab File: VD059494.D

Acq: 29 Jun 2018 16:21

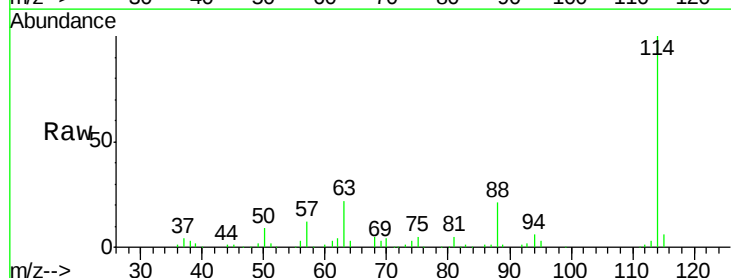
Tgt Ion: 114 Resp: 706069

Ion Ratio Lower Upper

114 100

63 22.0 0.0 42.4

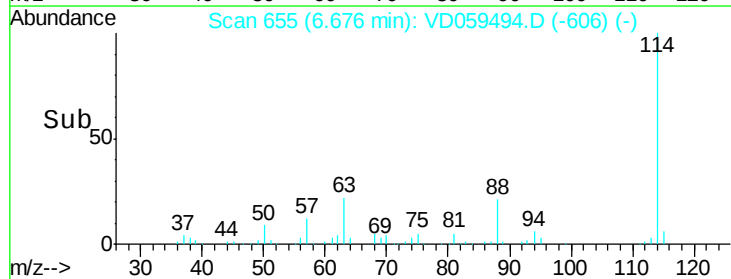
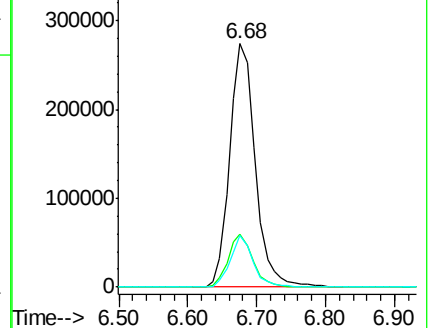
88 21.2 0.0 38.0

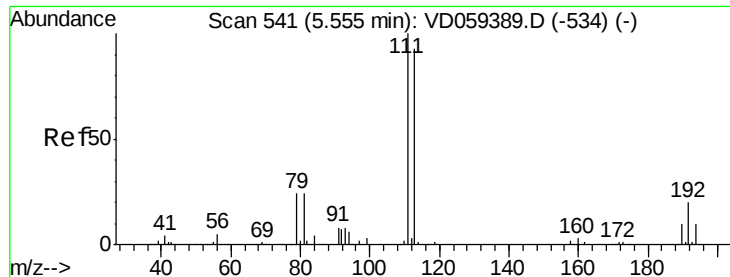


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

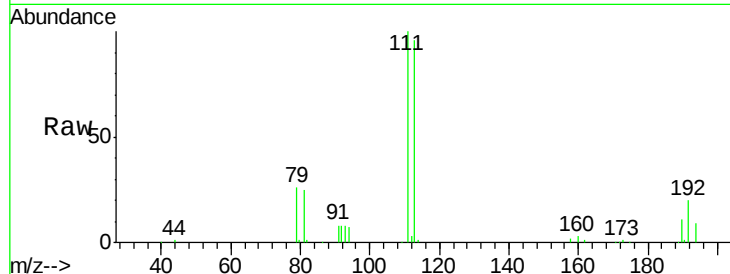
Ion 87.90 (87.60 to 88.60): VDC



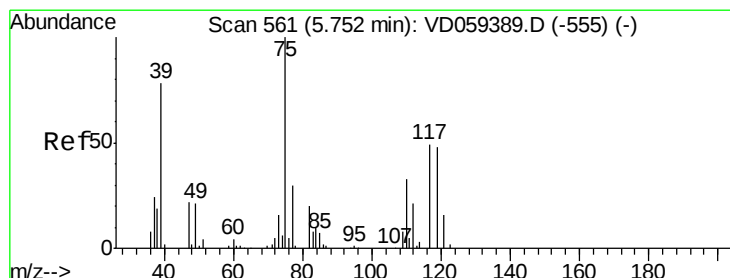
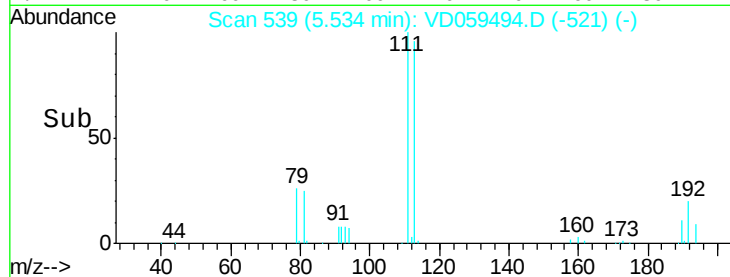
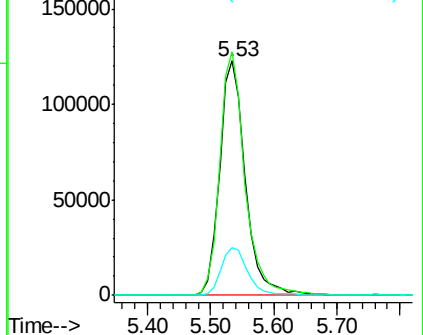


#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.53 min Scan# 539
 Delta R.T. -0.02 min
 Lab File: VD059494.D
 Acq: 29 Jun 2018 16:21

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.0	85.7	128.5
192	20.6	16.9	25.3

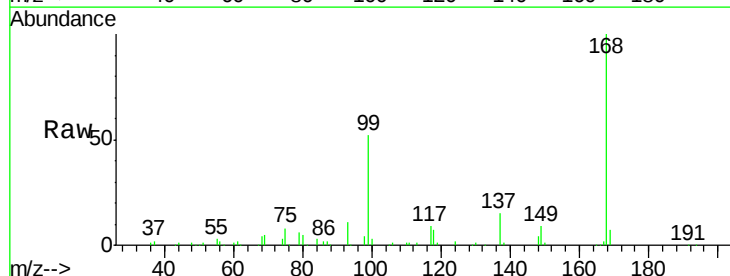


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

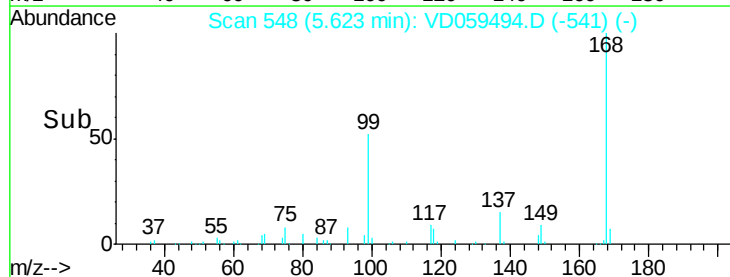
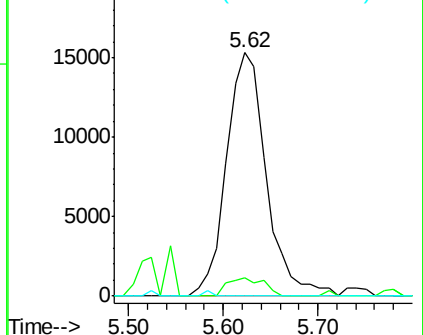


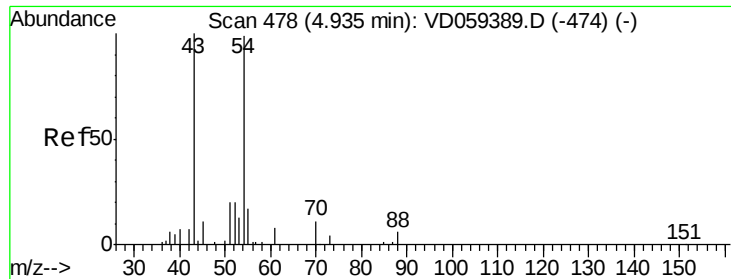
#36
 1,1-Dichloropropene
 Concen: 6.965 ug/l
 RT: 5.62 min Scan# 548
 Delta R.T. -0.13 min
 Lab File: VD059494.D
 Acq: 29 Jun 2018 16:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.5	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





#37

Ethyl Acetate

Concen: 1.396 ug/l

RT: 4.83 min Scan# 467

Delta R.T. -0.11 min

Lab File: VD059494.D

Acq: 29 Jun 2018 16:21

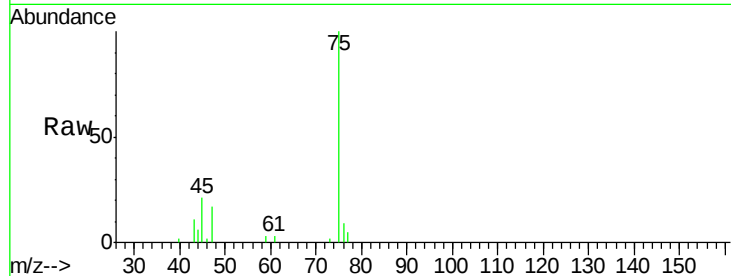
Tot Ion: 43 Resp: 5447

Ion Ratio Lower Upper

43 100

61 26.5 11.8 17.8#

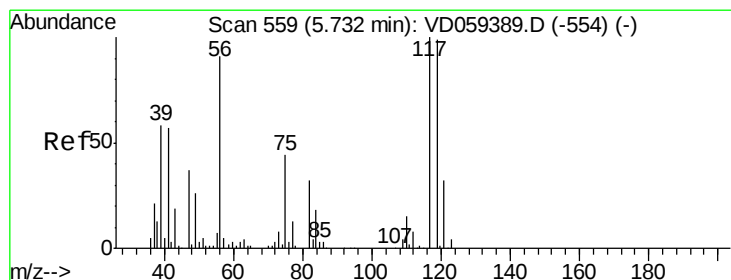
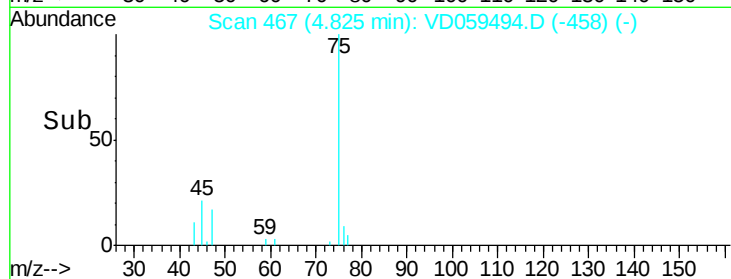
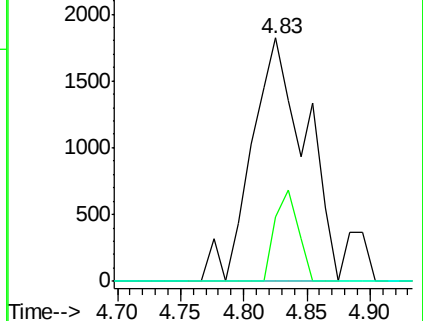
70 0.0 6.1 9.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 6.726 ug/l

RT: 5.62 min Scan# 548

Delta R.T. -0.11 min

Lab File: VD059494.D

Acq: 29 Jun 2018 16:21

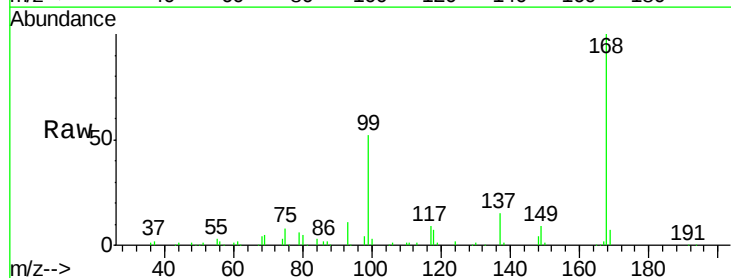
Tgt Ion: 117 Resp: 44414

Ion Ratio Lower Upper

117 100

119 6.8 76.6 115.0#

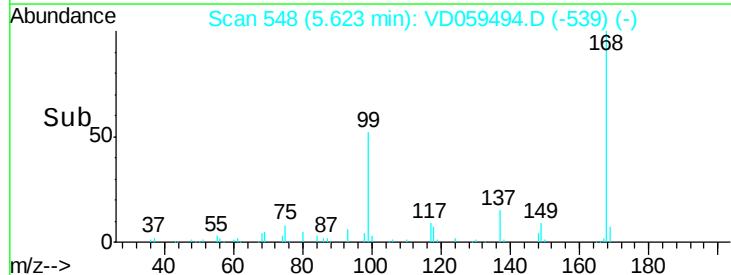
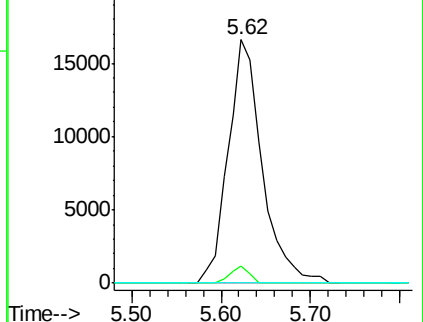
121 0.0 25.0 37.4#

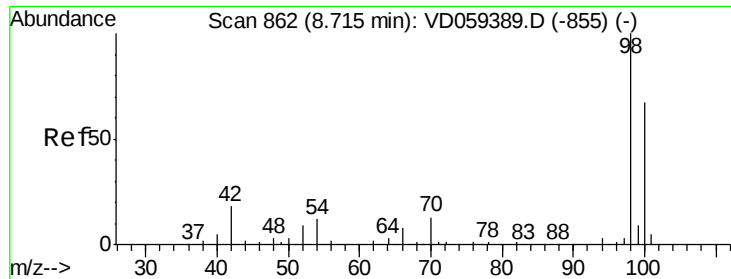


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

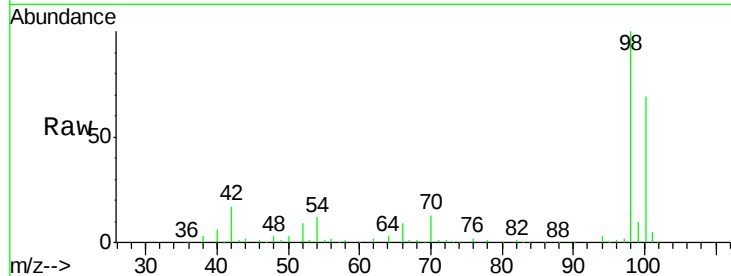
Ion 120.85 (120.55 to 121.55): V



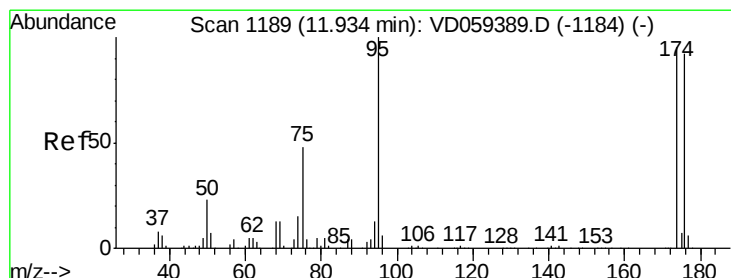
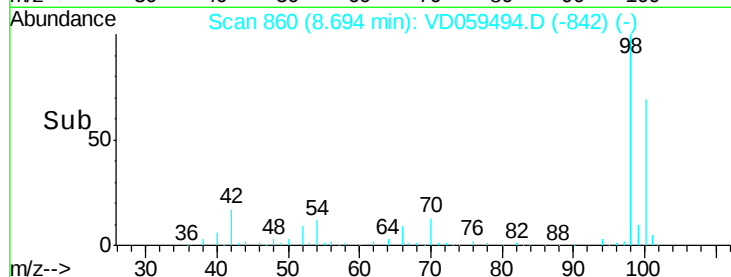
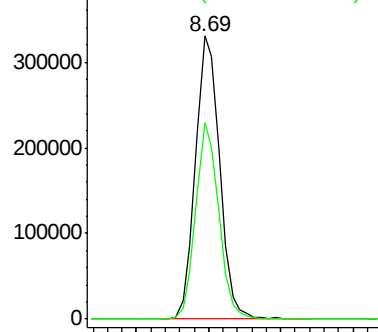


#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.69 min Scan# 860
Delta R.T. -0.02 min
Lab File: VD059494.D
Acq: 29 Jun 2018 16:21

Tot Ion: 98 Resp: 769273
Ion Ratio Lower Upper
98 100
100 69.5 54.4 81.6

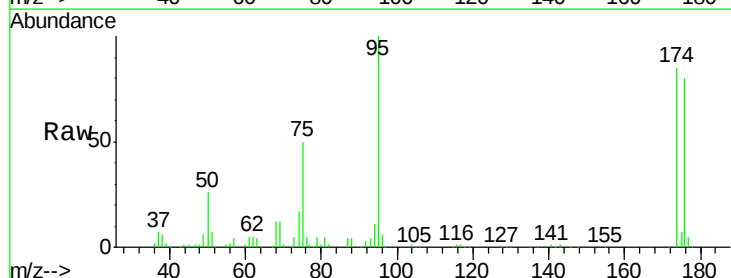


Abundance Ion 98.05 (97.75 to 98.75): VD059389.D (-855) (-)
Ion 100.05 (99.75 to 100.75): VD059389.D (-855) (-)

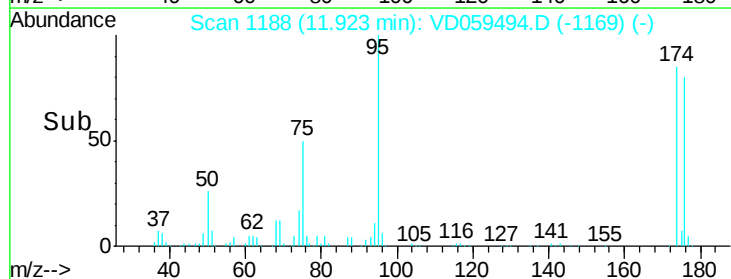
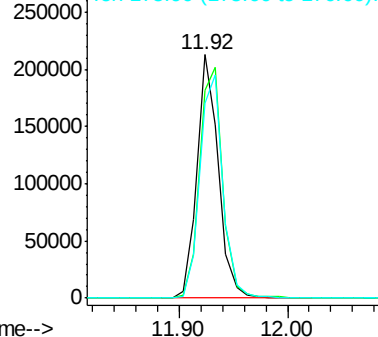


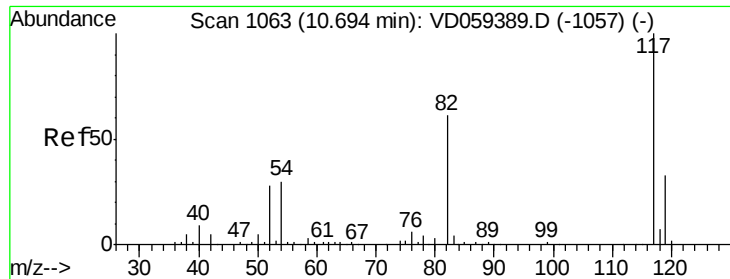
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.92 min Scan# 1188
Delta R.T. -0.01 min
Lab File: VD059494.D
Acq: 29 Jun 2018 16:21

Tgt Ion: 95 Resp: 290433
Ion Ratio Lower Upper
95 100
174 85.2 0.0 190.4
176 80.1 0.0 183.2



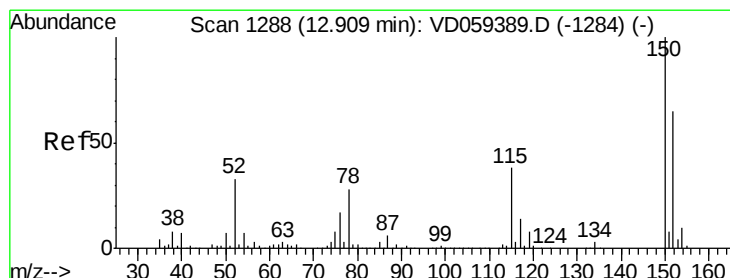
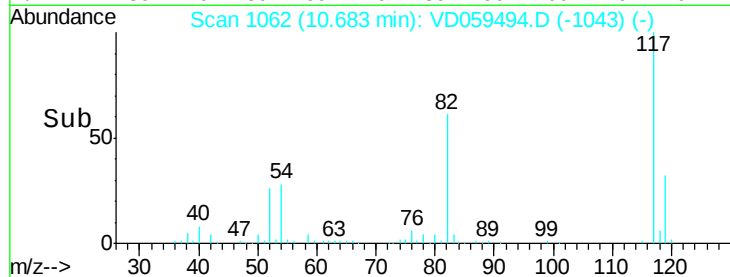
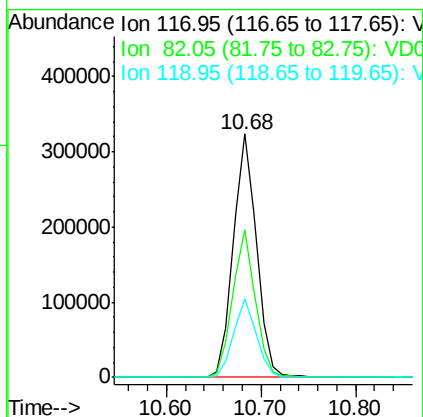
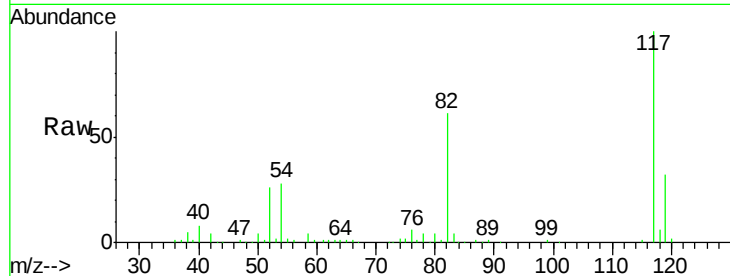
Abundance Ion 95.00 (94.70 to 95.70): VD059389.D (-1184) (-)
Ion 173.90 (173.60 to 174.60): VD059389.D (-1184) (-)
Ion 175.90 (175.60 to 176.60): VD059389.D (-1184) (-)





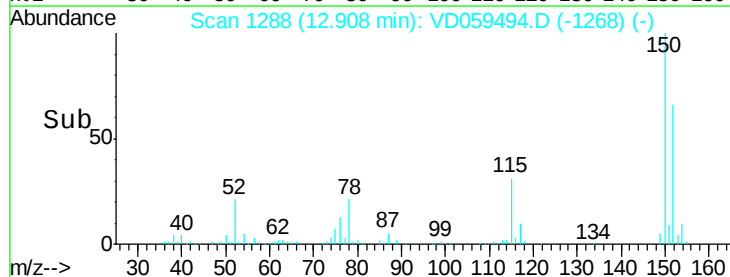
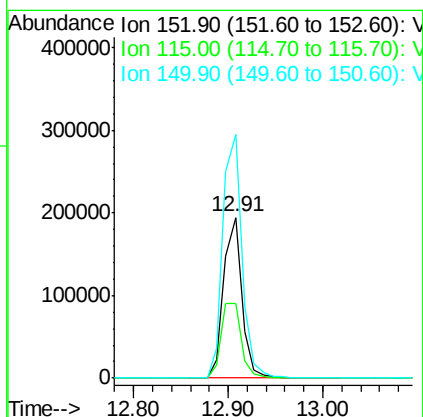
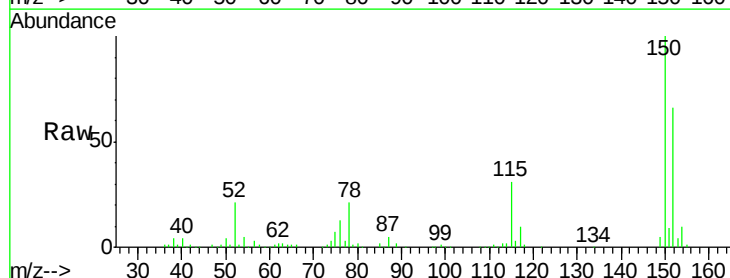
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VD059494.D
Acq: 29 Jun 2018 16:21

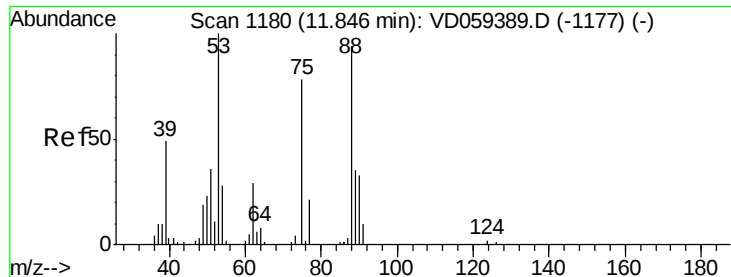
Tot Ion:117 Resp: 550593
Ion Ratio Lower Upper
117 100
82 60.7 49.0 73.6
119 32.0 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VD059494.D
Acq: 29 Jun 2018 16:21

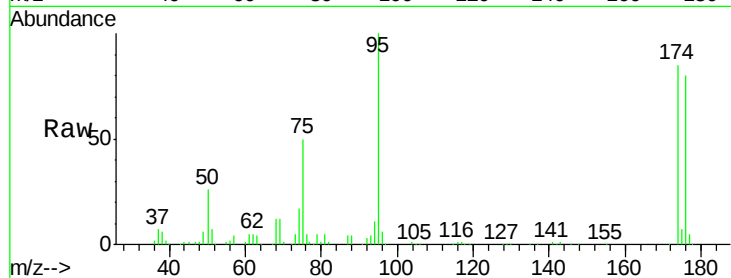
Tgt Ion:152 Resp: 261032
Ion Ratio Lower Upper
152 100
115 46.6 29.4 88.3
150 151.2 0.0 308.2





#81
 trans-1,4-Dichloro-2-butene
 Concen: 170.372 ug/l
 RT: 11.92 min Scan# 1188
 Delta R.T. 0.08 min
 Lab File: VD059494.D
 Acq: 29 Jun 2018 16:21

Tot 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

