

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062918\
 Data File : VD059500.D
 Acq On : 29 Jun 2018 19:12
 Operator : VA/AP
 Sample : J3761-02
 Misc : 6.72g/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 30 00:27:25 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	601061	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	6.68	114	765104	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.69	117	610492	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	343004	50.00	ug/l	0.00

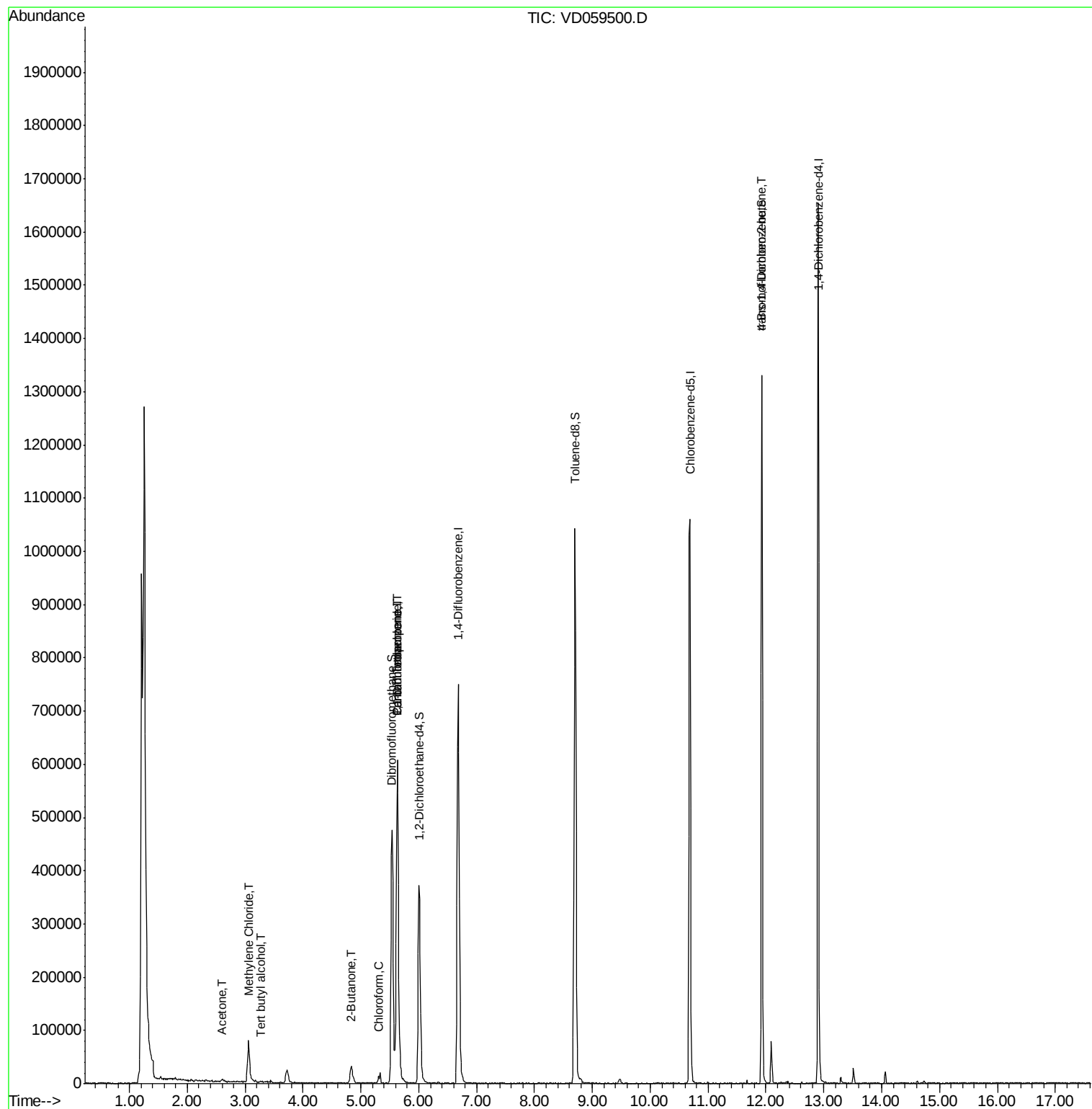
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.00	65	358699	58.36	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	116.72%	
35) Dibromofluoromethane	5.54	113	374495	60.09	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	120.18%	
50) Toluene-d8	8.70	98	811951	55.73	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	111.46%	
62) 4-Bromofluorobenzene	11.93	95	337098	55.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.26%	

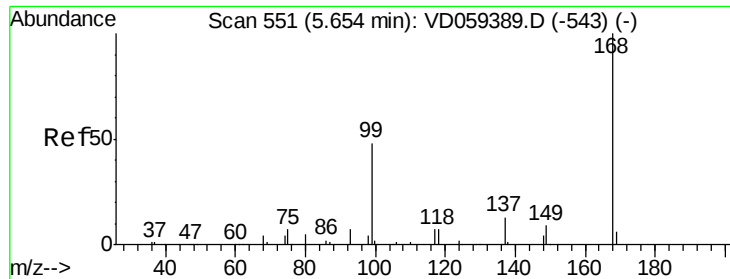
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.79	94	500	Below Cal	#	4
11) Tert butyl alcohol	3.26	59	252	1.185	ug/l #	72
16) Acetone	2.60	43	10026	12.924	ug/l #	90
18) Methyl Acetate	2.92	43	447	Below Cal	#	66
20) Methylene Chloride	3.06	84	32905	13.472	ug/l	90
25) 2-Butanone	4.83	43	3132	1.927	ug/l #	57
30) Chloroform	5.30	83	14001	1.316	ug/l	86
31) Cyclohexane	5.63	56	13645	Below Cal	#	1
36) 1,1-Dichloropropene	5.63	75	49240	7.095	ug/l #	51
38) Carbon Tetrachloride	5.63	117	49360	6.898	ug/l #	17
81) trans-1,4-Dichloro-2-buten	11.93	75	168077	156.298	ug/l #	1

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
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. -0.03 min

Lab File: VD059500.D

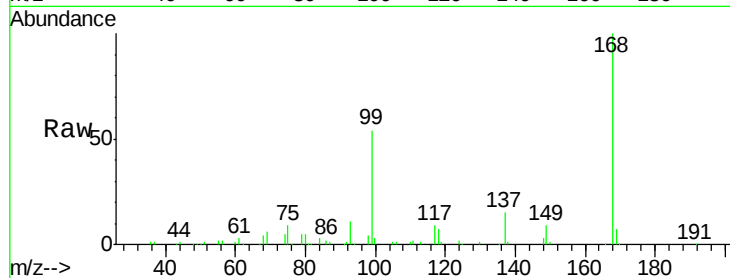
Acq: 29 Jun 2018 19:12

Tot Ion:168 Resp: 601061

Ion Ratio Lower Upper

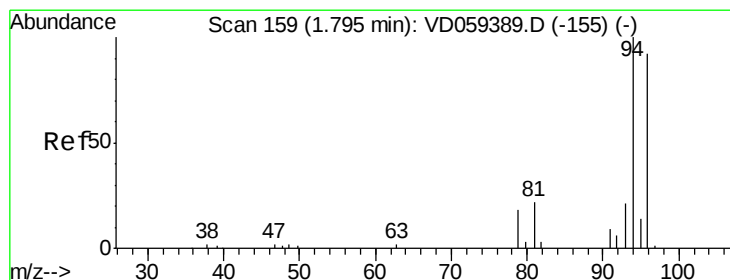
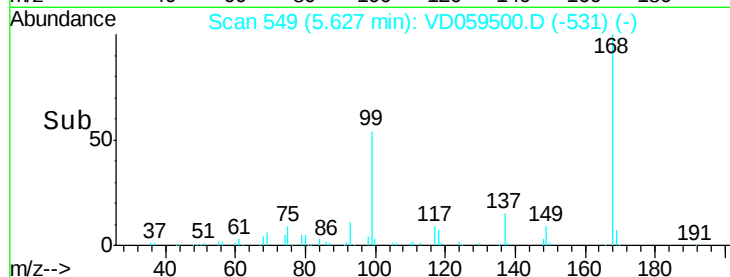
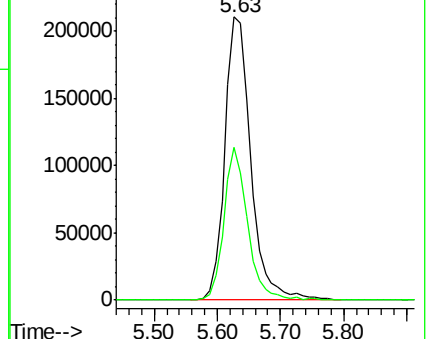
168 100

99 54.0 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: 1.79 min Scan# 159

Delta R.T. -0.01 min

Lab File: VD059500.D

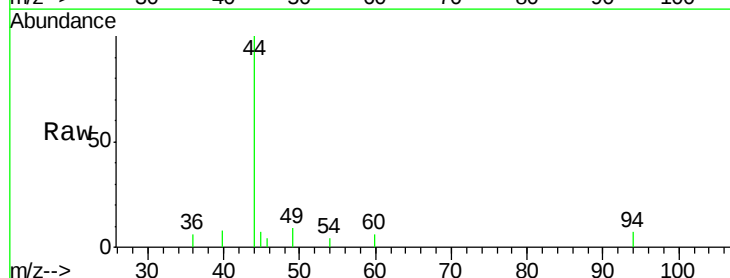
Acq: 29 Jun 2018 19:12

Tgt Ion: 94 Resp: 500

Ion Ratio Lower Upper

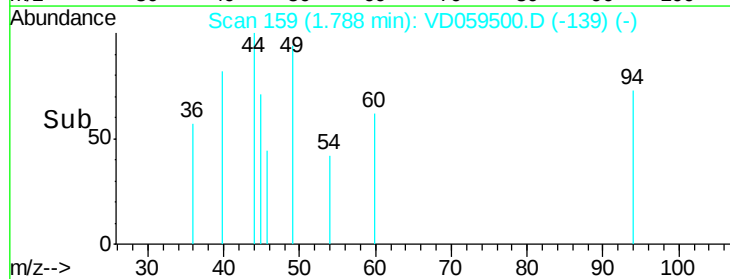
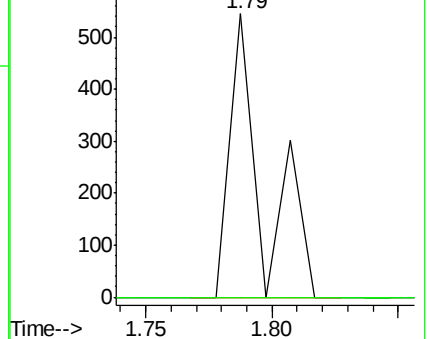
94 100

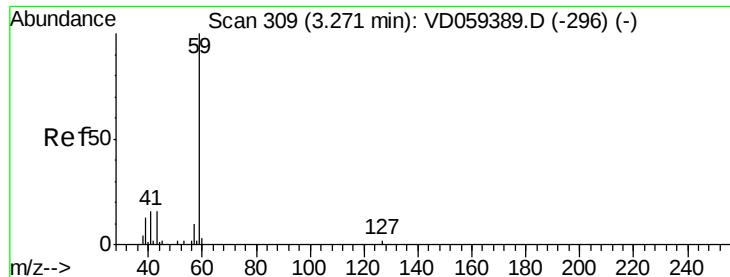
96 0.0 73.4 110.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

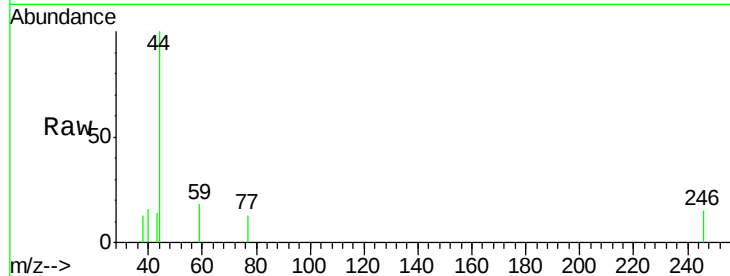




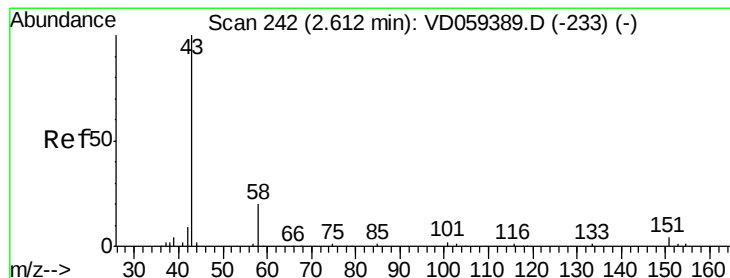
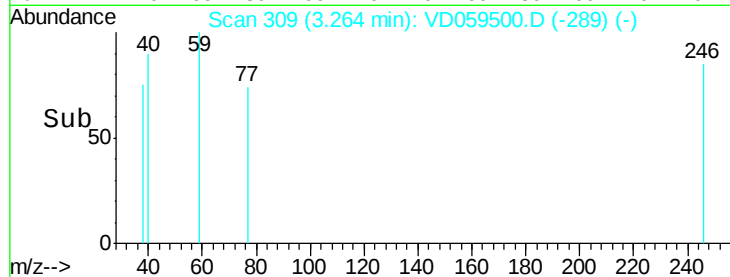
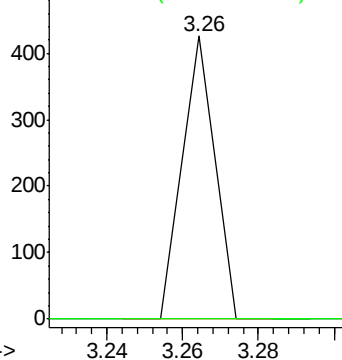
#11

Tert butyl alcohol
 Concen: 1.185 ug/l
 RT: 3.26 min Scan# 309
 Delta R.T. -0.01 min
 Lab File: VD059500.D
 Acq: 29 Jun 2018 19:12

Tot Ion: 59 Resp: 252
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#



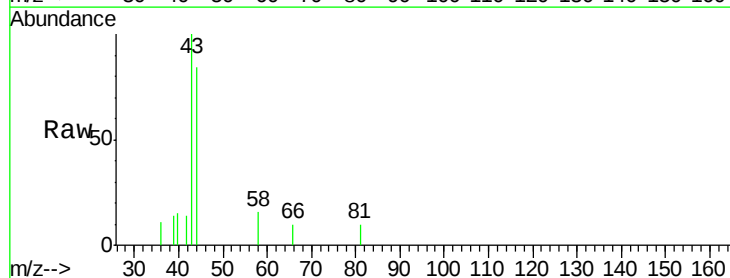
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



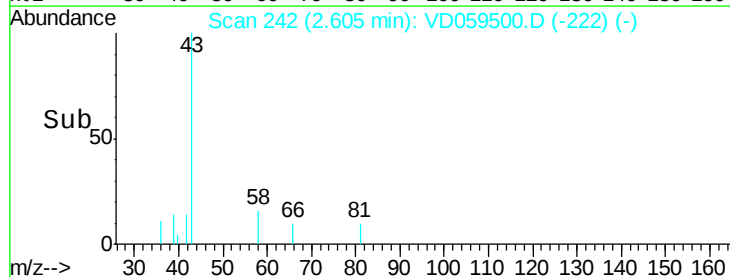
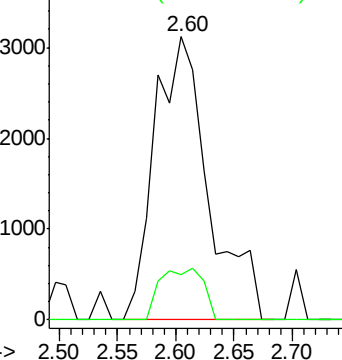
#16

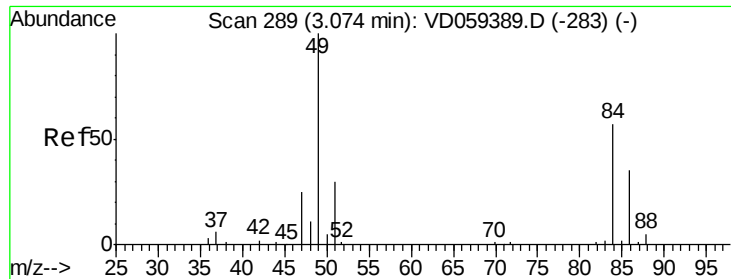
Acetone
 Concen: 12.924 ug/l
 RT: 2.60 min Scan# 242
 Delta R.T. -0.01 min
 Lab File: VD059500.D
 Acq: 29 Jun 2018 19:12

Tgt Ion: 43 Resp: 10026
 Ion Ratio Lower Upper
 43 100
 58 16.1 16.8 25.2#



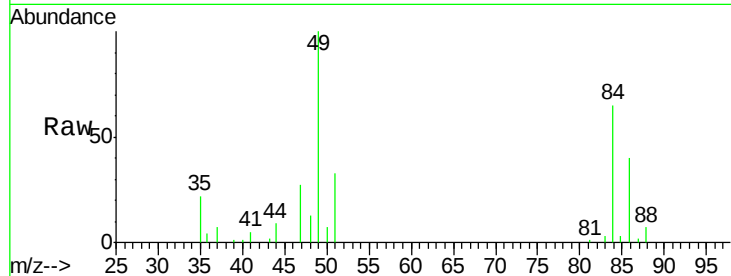
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 57.95 (57.65 to 58.65): VDC



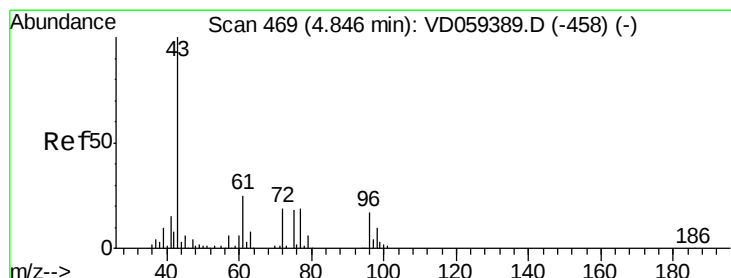
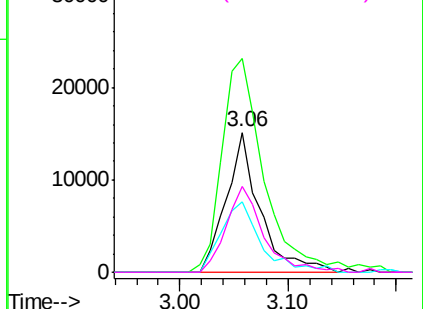
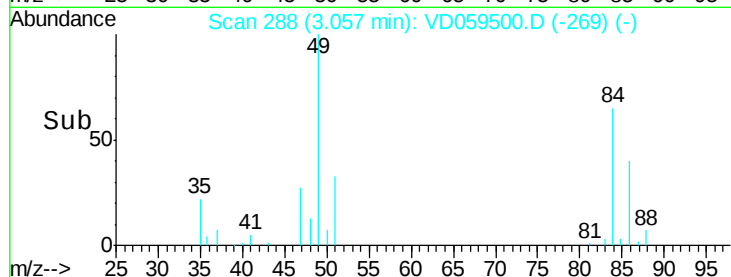


#20
Methvlene Chloride
Concen: 13.472 ug/l
RT: 3.06 min Scan# 288
Delta R.T. -0.02 min
Lab File: VD059500.D
Acq: 29 Jun 2018 19:12

Tot Ion: 84 Resp: 32905
Ion Ratio Lower Upper
84 100
49 152.8 140.3 210.5
51 50.7 41.6 62.4
86 61.7 49.4 74.2

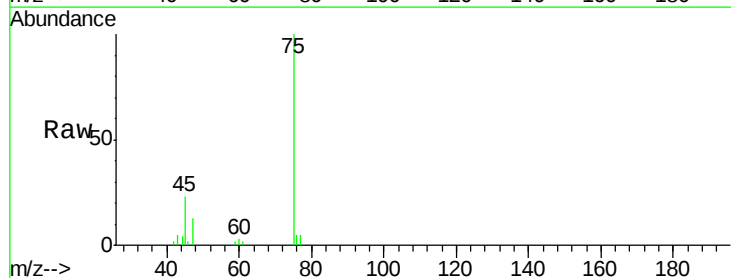


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

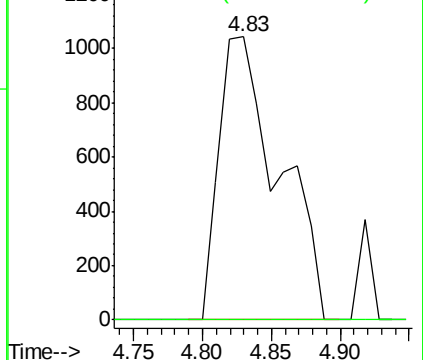
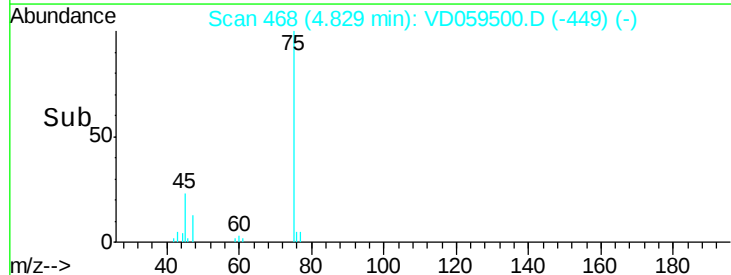


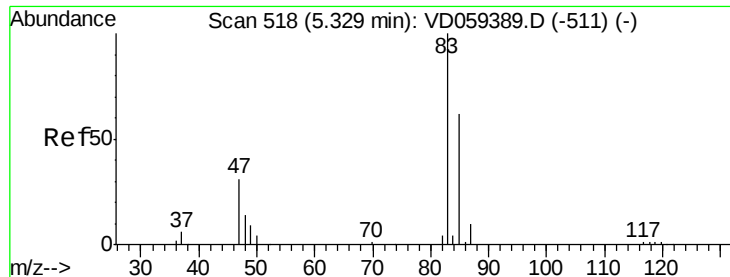
#25
2-Butanone
Concen: 1.927 ug/l
RT: 4.83 min Scan# 468
Delta R.T. -0.02 min
Lab File: VD059500.D
Acq: 29 Jun 2018 19:12

Tgt Ion: 43 Resp: 3132
Ion Ratio Lower Upper
43 100
72 0.0 15.4 23.2#



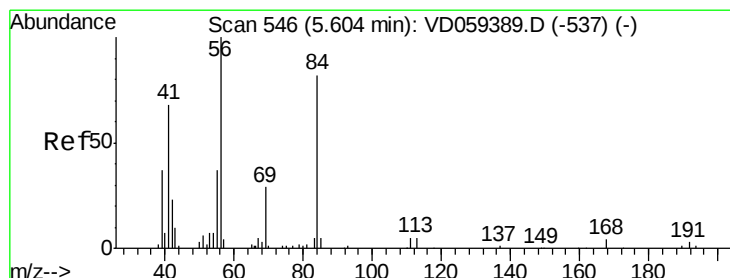
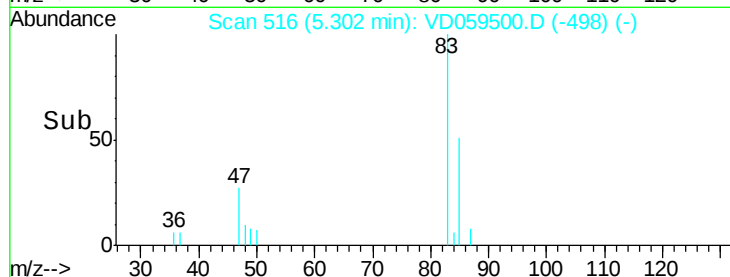
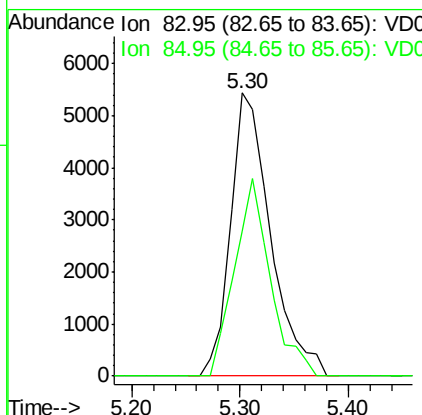
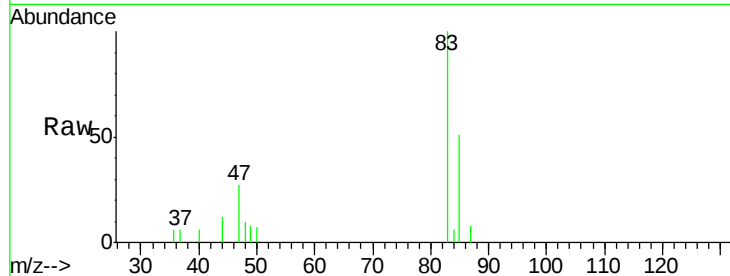
Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC





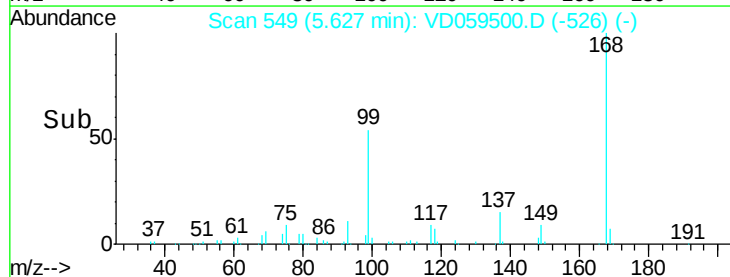
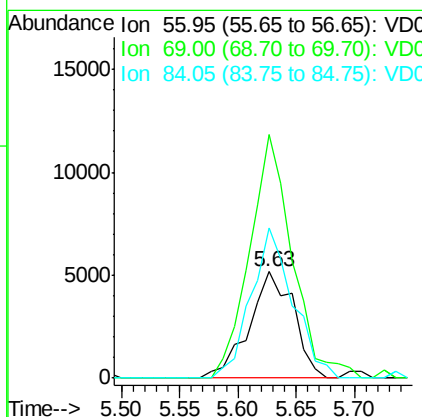
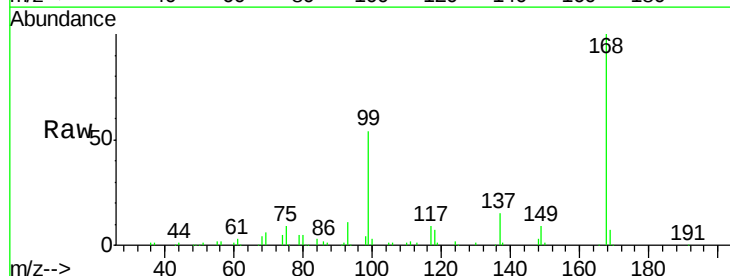
#30
Chloroform
Concen: 1.316 ug/l
RT: 5.30 min Scan# 516
Delta R.T. -0.03 min
Lab File: VD059500.D
Acq: 29 Jun 2018 19:12

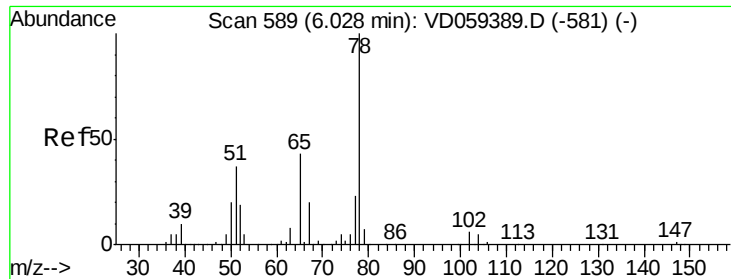
Tot Ion: 83 Resp: 14001
Ion Ratio Lower Upper
83 100
85 51.2 49.3 73.9



#31
Cyclohexane
Concen: Below Cal
RT: 5.63 min Scan# 549
Delta R.T. 0.02 min
Lab File: VD059500.D
Acq: 29 Jun 2018 19:12

Tgt Ion: 56 Resp: 13645
Ion Ratio Lower Upper
56 100
69 228.6 22.9 34.3#
84 141.6 67.3 100.9#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.00 min Scan# 587

Delta R.T. -0.03 min

Lab File: VD059500.D

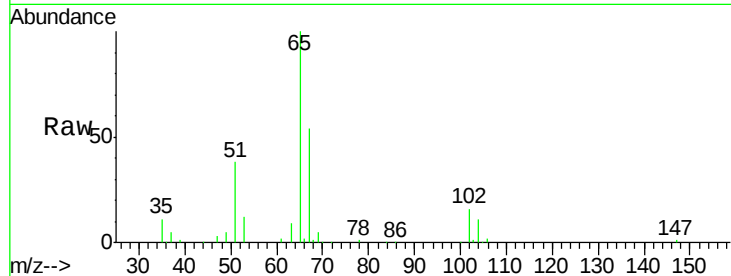
Acq: 29 Jun 2018 19:12

Tot Ion: 65 Resp: 358699

Ion Ratio Lower Upper

65 100

67 54.2 0.0 93.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.00

150000

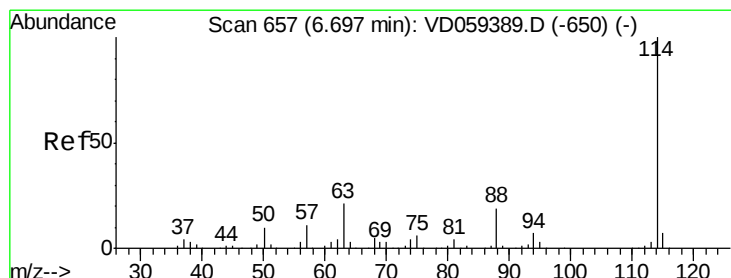
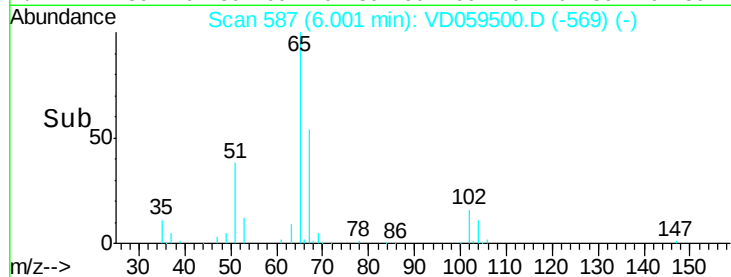
100000

50000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.68 min Scan# 656

Delta R.T. -0.02 min

Lab File: VD059500.D

Acq: 29 Jun 2018 19:12

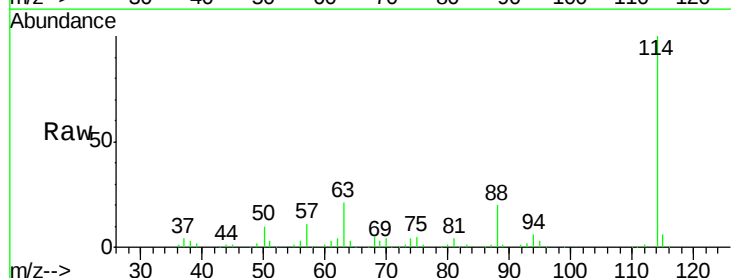
Tgt Ion: 114 Resp: 765104

Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.4

88 20.2 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

6.68

400000

300000

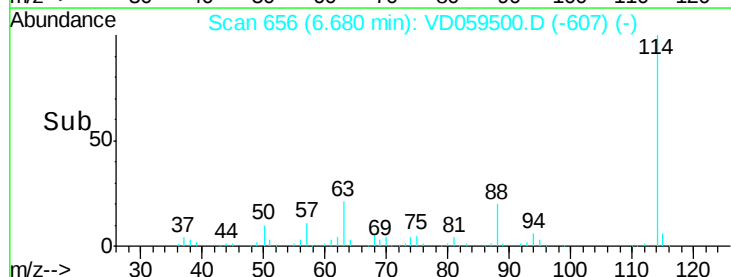
200000

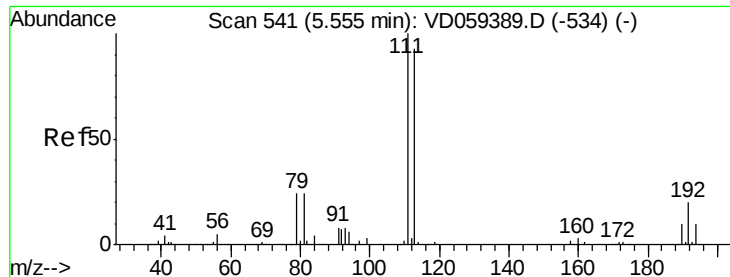
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Time-->

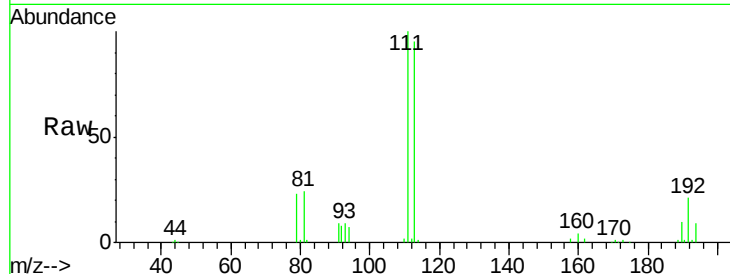
6.60 6.70 6.80



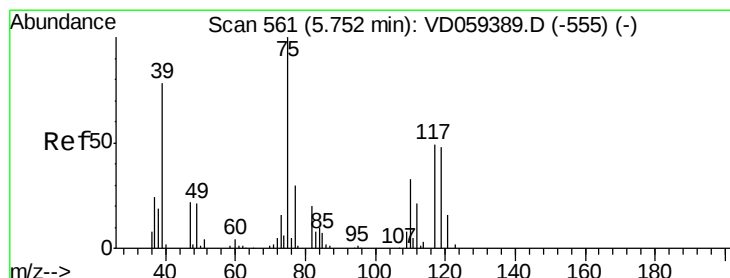
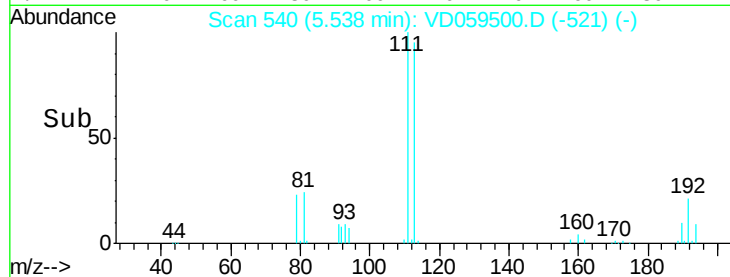
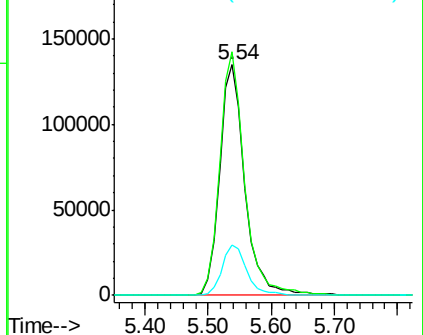


#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.54 min Scan# 540
 Delta R.T. -0.02 min
 Lab File: VD059500.D
 Acq: 29 Jun 2018 19:12

Tot Ion	Ratio	Lower	Upper
113	100		
111	105.6	85.7	128.5
192	22.0	16.9	25.3

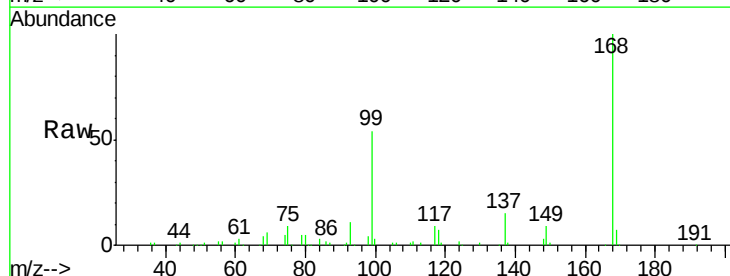


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

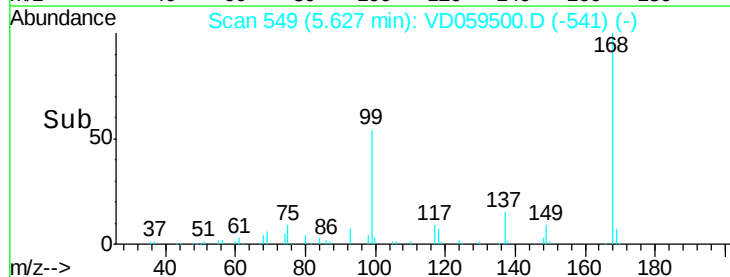
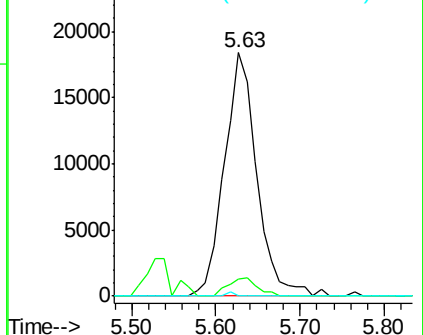


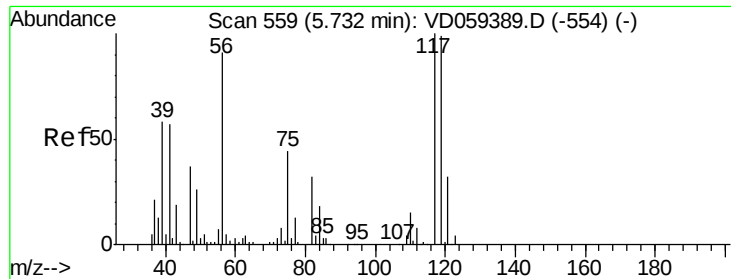
#36
 1,1-Dichloropropene
 Concen: 7.095 ug/l
 RT: 5.63 min Scan# 549
 Delta R.T. -0.13 min
 Lab File: VD059500.D
 Acq: 29 Jun 2018 19:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.3	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: 6.898 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.11 min

Lab File: VD059500.D

Acq: 29 Jun 2018 19:12

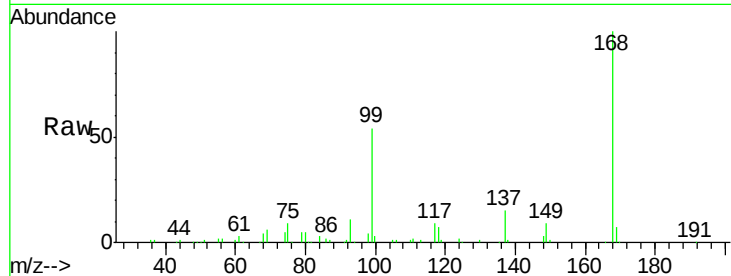
Tot Ion:117 Resp: 49360

Ion Ratio Lower Upper

117 100

119 6.7 76.6 115.0#

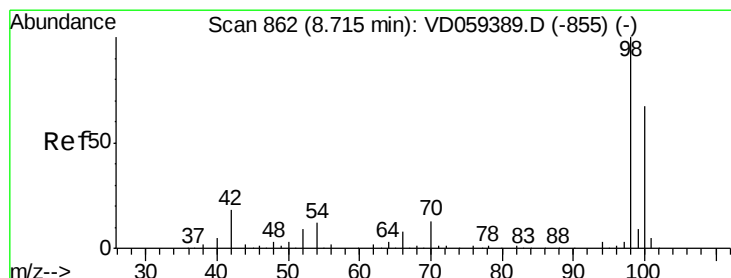
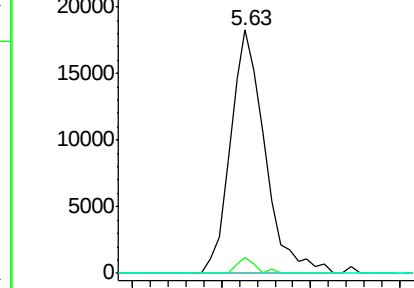
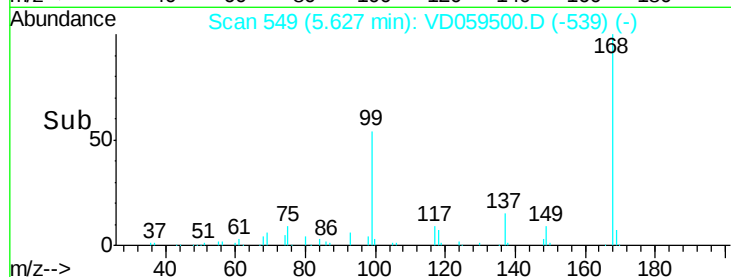
121 0.0 25.0 37.4#



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: VD059500.D

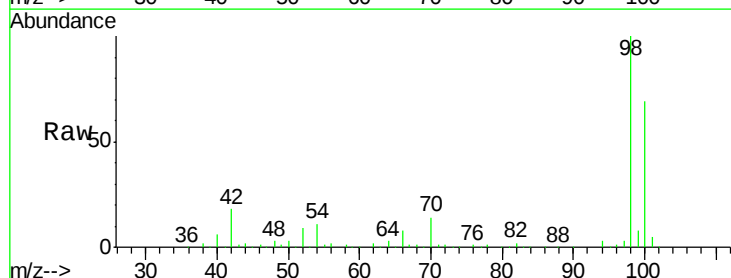
Acq: 29 Jun 2018 19:12

Tgt Ion: 98 Resp: 811951

Ion Ratio Lower Upper

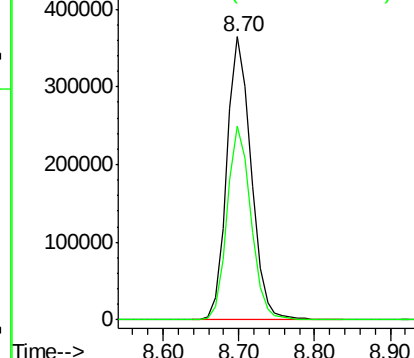
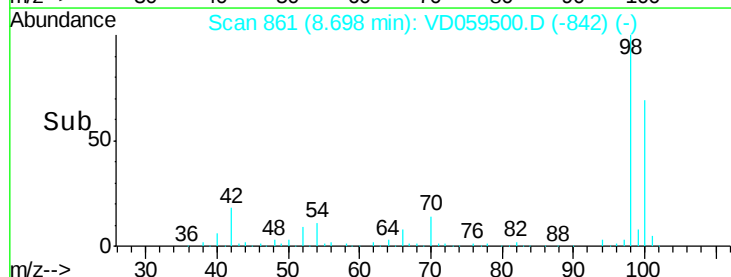
98 100

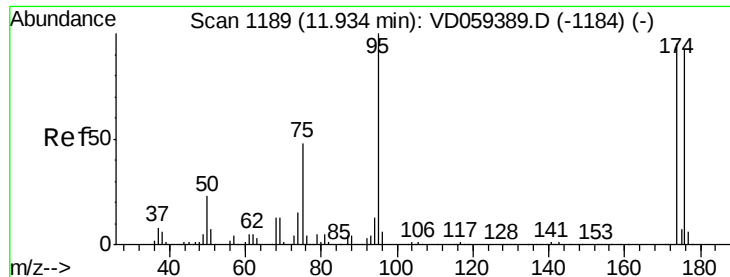
100 68.6 54.4 81.6



Abundance Ion 98.05 (97.75 to 98.75): V

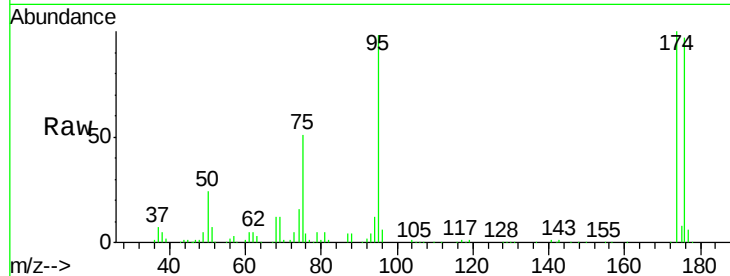
Ion 100.05 (99.75 to 100.75): V



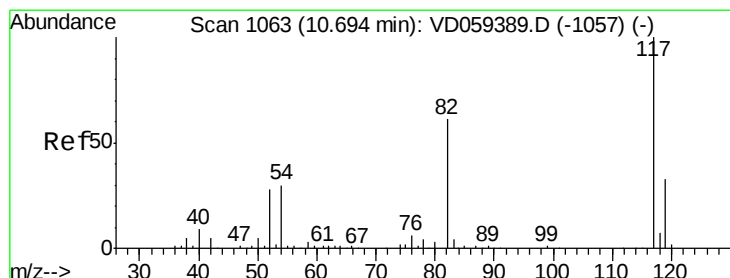
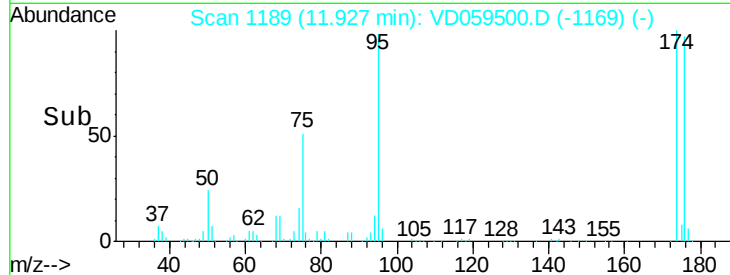
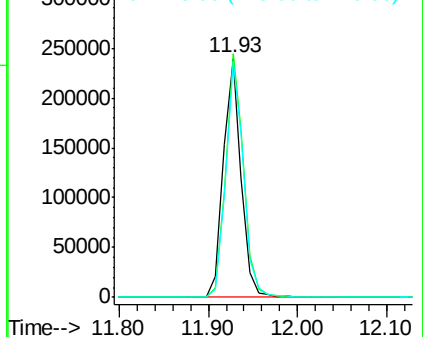


#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.93 min Scan# 1189
Delta R.T. -0.01 min
Lab File: VD059500.D
Acq: 29 Jun 2018 19:12

Tot Ion: 95 Resp: 337098
Ion Ratio Lower Upper
95 100
174 101.8 0.0 190.4
176 98.5 0.0 183.2

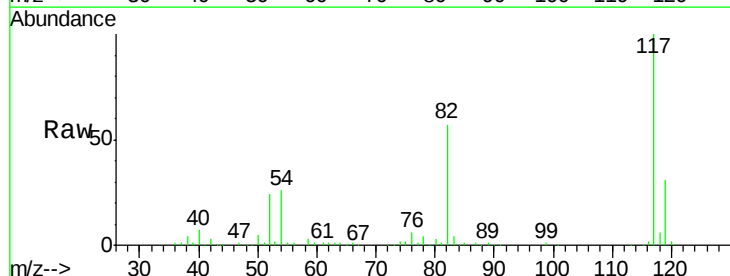


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

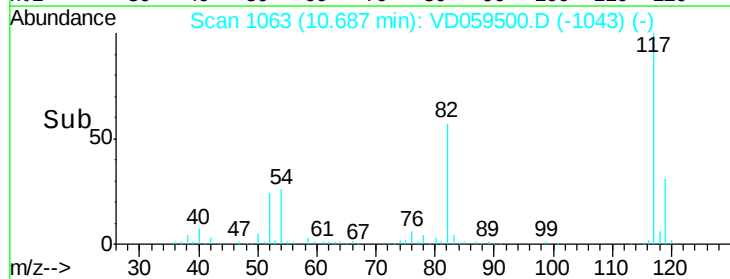
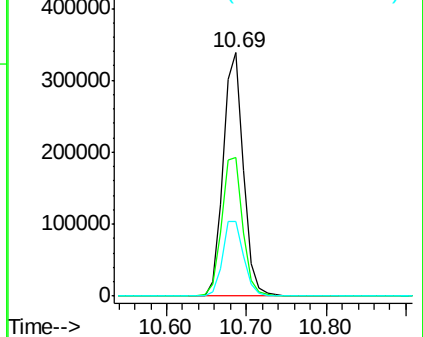


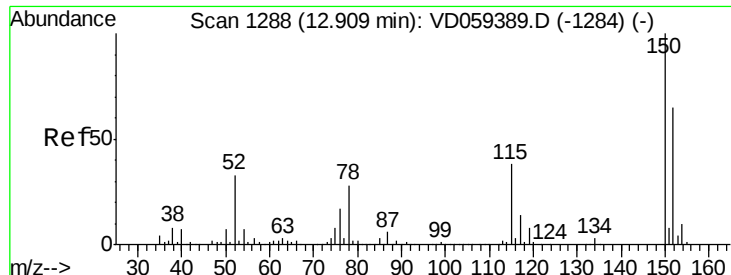
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. -0.01 min
Lab File: VD059500.D
Acq: 29 Jun 2018 19:12

Tgt Ion: 117 Resp: 610492
Ion Ratio Lower Upper
117 100
82 56.7 49.0 73.6
119 30.5 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

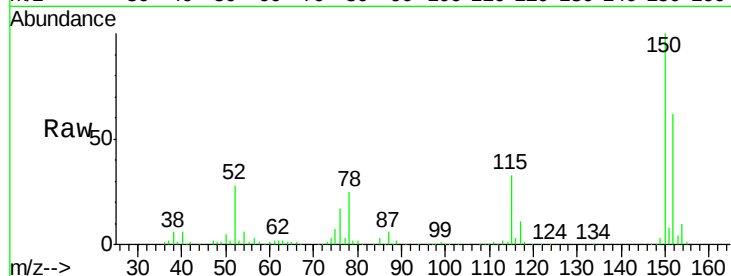




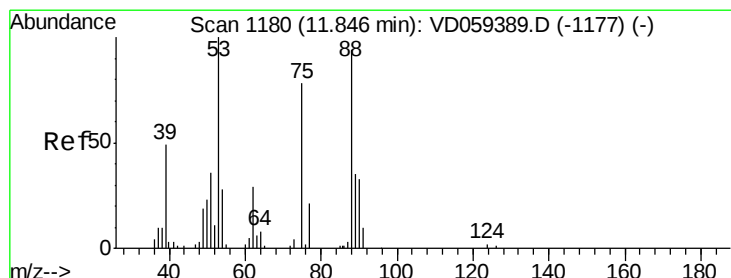
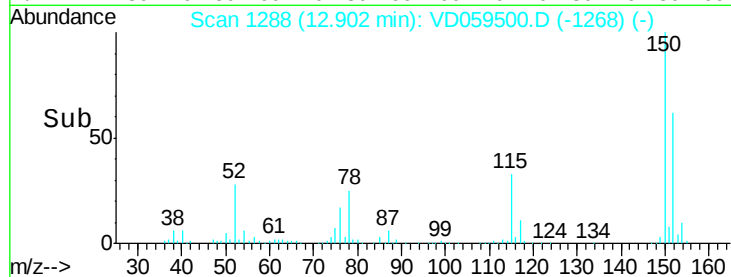
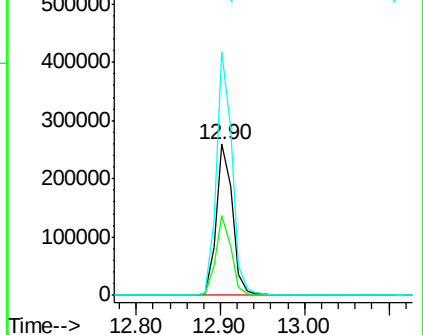
#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VD059500.D
Acq: 29 Jun 2018 19:12

Tot Ion	Ratio	Lower	Upper
152	100		
115	53.2	29.4	88.3
150	161.3	0.0	308.2



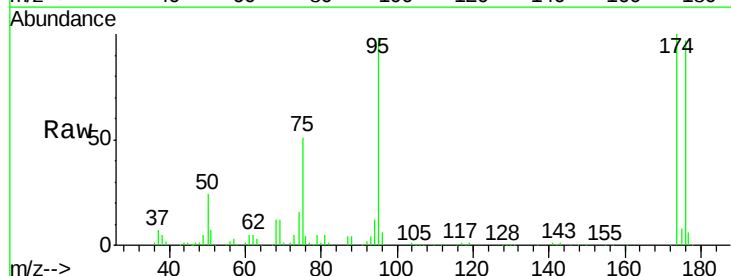
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 156.298 ug/l
RT: 11.93 min Scan# 1189
Delta R.T. 0.08 min
Lab File: VD059500.D
Acq: 29 Jun 2018 19:12

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

