

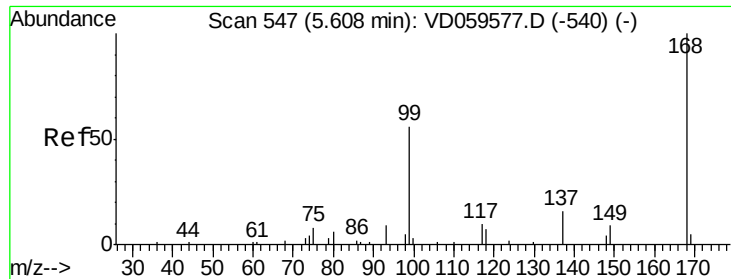
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073118\
 Data File : VD059666.D
 Acq On : 31 Jul 2018 21:14
 Operator : VA/AP
 Sample : J4228-03RE
 Misc : 5.01µl/5ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 01 06:43:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 07:10:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.61	168	150773	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.67	114	195761	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.67	117	152460	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	79490	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.99	65	107691	56.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.62%	
35) Dibromofluoromethane	5.51	113	98445	58.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.24%	
50) Toluene-d8	8.68	98	202476	53.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.30%	
62) 4-Bromofluorobenzene	11.92	95	90573	52.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.58%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	3.04	84	1357	1.663	ug/l #	69
31) Cyclohexane	5.60	56	3406	Below Cal	#	8
36) 1,1-Dichloropropene	5.60	75	13291	6.766	ug/l #	50
38) Carbon Tetrachloride	5.61	117	15150	5.632	ug/l #	14
51) 4-Methyl-2-Pentanone	8.68	43	1066	1.139	ug/l #	1
81) trans-1,4-Dichloro-2-buten	11.92	75	48886	145.457	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 548

Delta R.T. 0.00 min

Lab File: VD059666.D

Acq: 31 Jul 2018 21:14

Instrument :

MSVOA_D

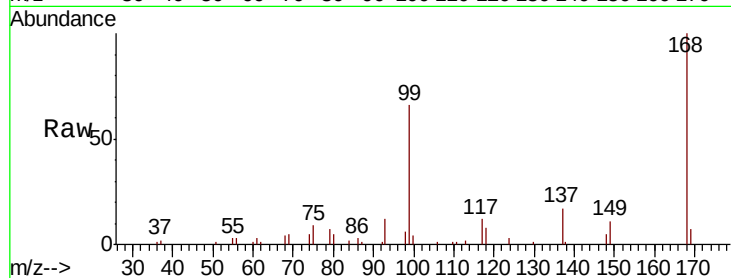
ClientSampleId :

Tot Ion:168 Resp: 150773

Ion Ratio Lower Upper

168 100

99 66.5 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.61

60000

50000

40000

30000

20000

10000

0

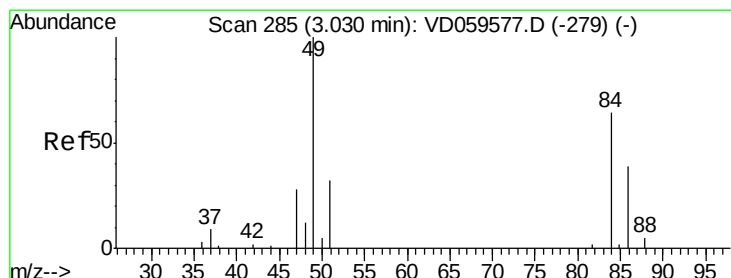
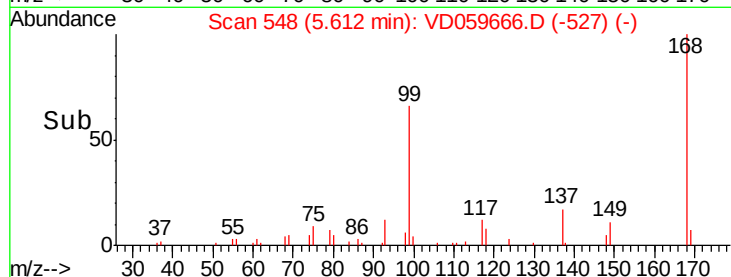
Time-->

5.50

5.60

5.70

5.80



#20

Methylene Chloride

Concen: 1.663 ug/l

RT: 3.04 min Scan# 286

Delta R.T. 0.00 min

Lab File: VD059666.D

Acq: 31 Jul 2018 21:14

Tgt Ion: 84 Resp: 1357

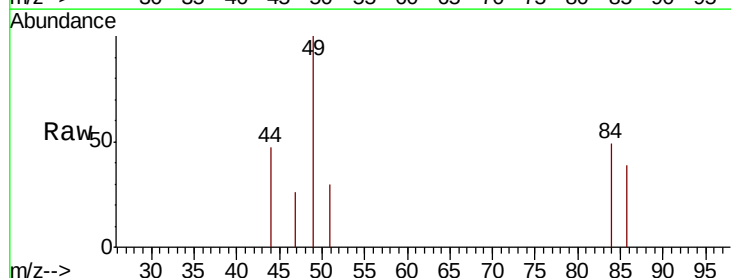
Ion Ratio Lower Upper

84 100

49 206.1 125.4 188.2#

51 60.9 39.7 59.5#

86 80.6 49.1 73.7#



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

2500

2000

1500

1000

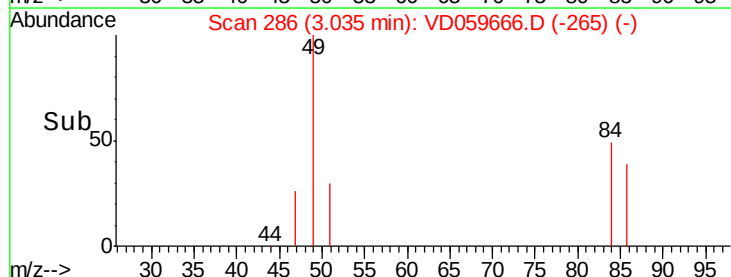
500

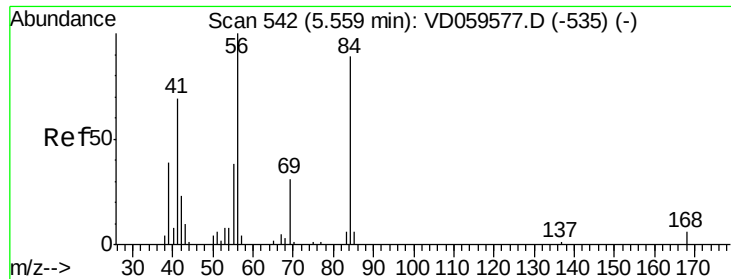
0

Time-->

3.00

3.05

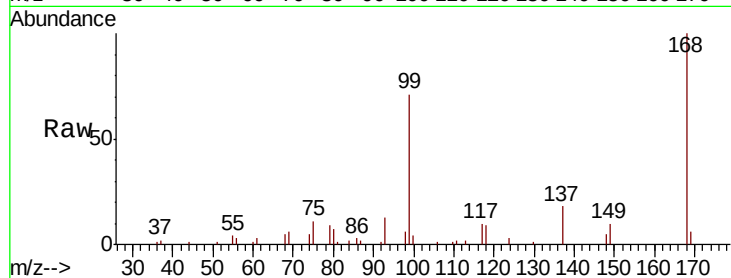




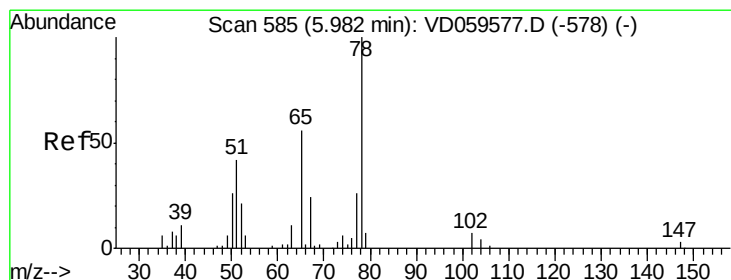
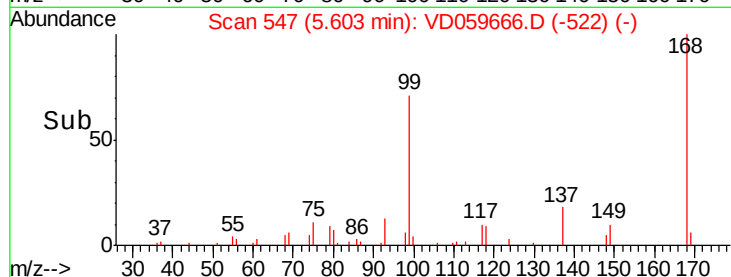
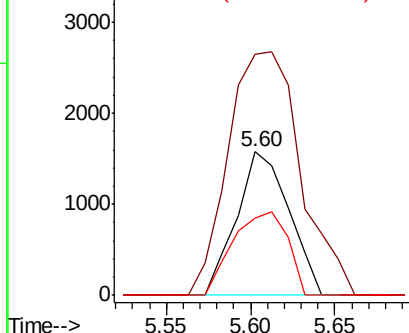
#31
Cyclohexane
Concen: Below Cal
RT: 5.60 min Scan# 547
Delta R.T. 0.04 min
Lab File: VD059666.D
Acq: 31 Jul 2018 21:14

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 3406
Ion Ratio Lower Upper
56 100
69 167.9 24.6 37.0#
84 54.3 72.7 109.1#

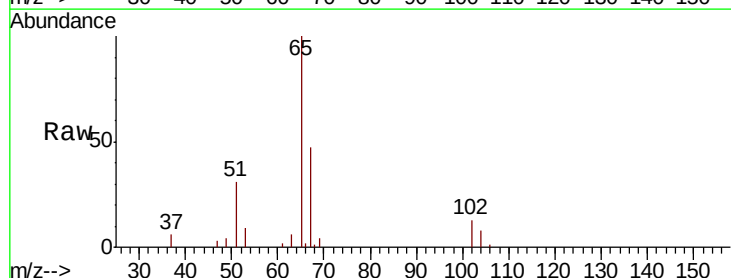


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

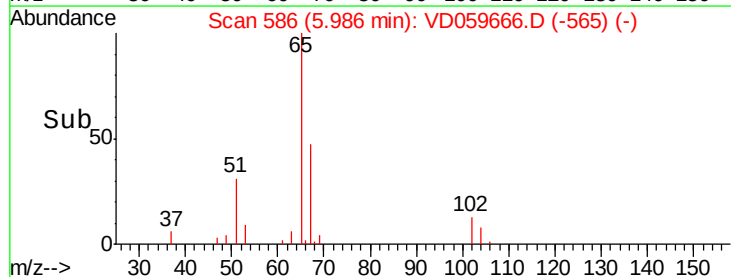
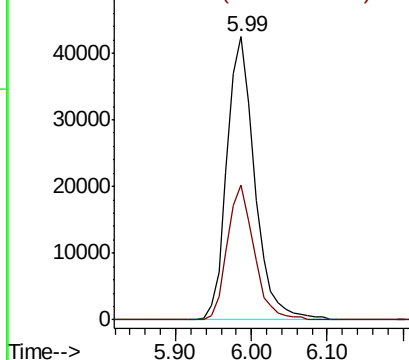


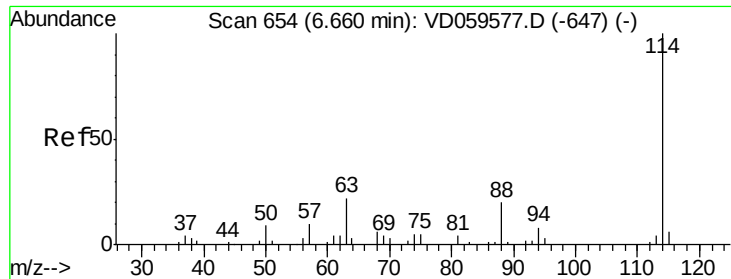
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 5.99 min Scan# 586
Delta R.T. 0.00 min
Lab File: VD059666.D
Acq: 31 Jul 2018 21:14

Tgt Ion: 65 Resp: 107691
Ion Ratio Lower Upper
65 100
67 47.5 0.0 86.4



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

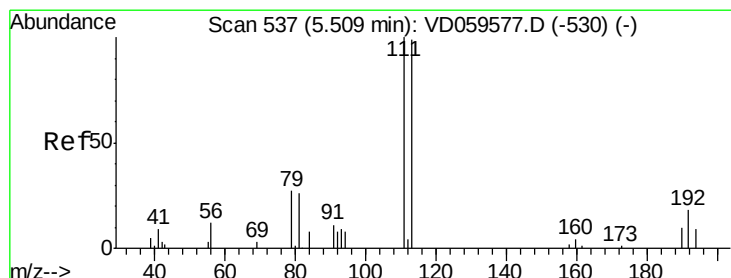
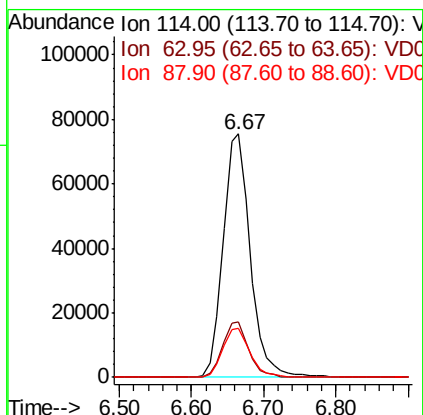
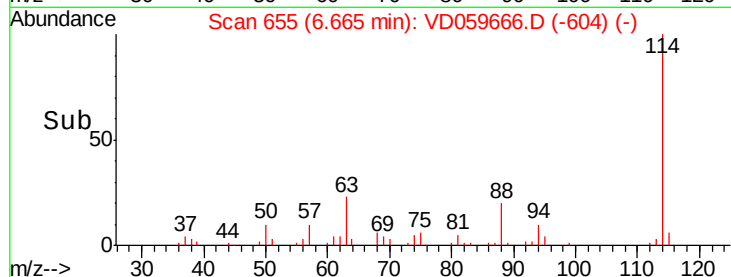
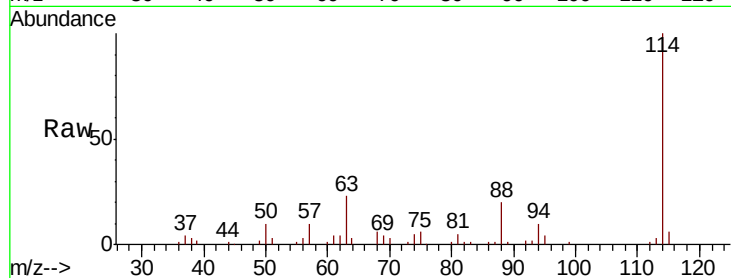




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.67 min Scan# 655
 Delta R.T. 0.00 min
 Lab File: VD059666.D
 Acq: 31 Jul 2018 21:14

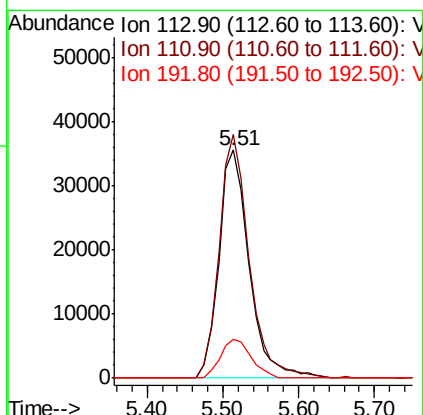
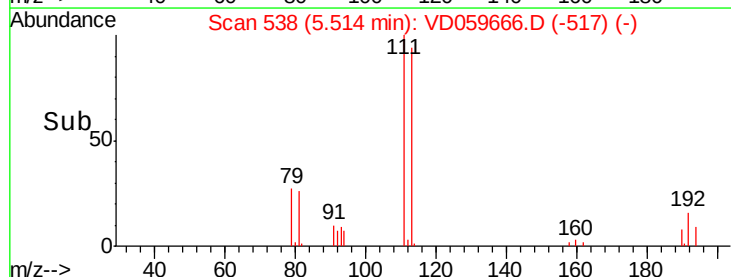
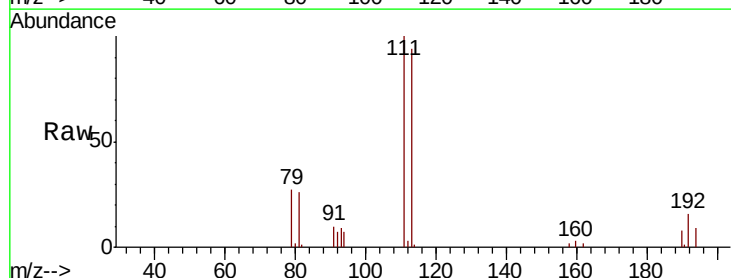
Instrument :
 MSVOA_D
 ClientSampleId :

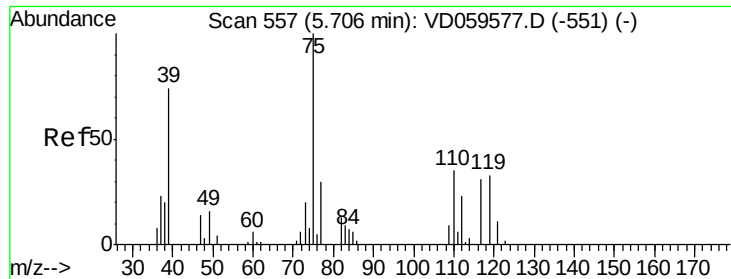
Tot Ion:114 Resp: 195761
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 43.8
 88 20.2 0.0 39.0



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.51 min Scan# 538
 Delta R.T. 0.00 min
 Lab File: VD059666.D
 Acq: 31 Jul 2018 21:14

Tgt Ion:113 Resp: 98445
 Ion Ratio Lower Upper
 113 100
 111 106.9 80.5 120.7
 192 17.1 14.5 21.7

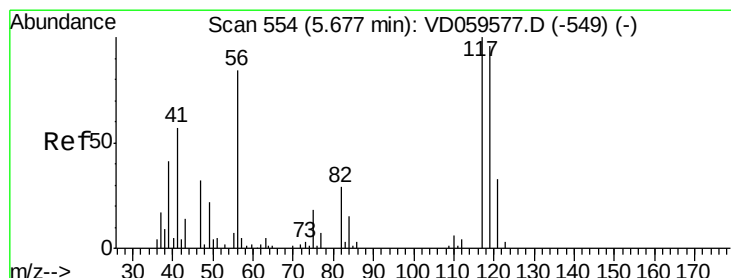
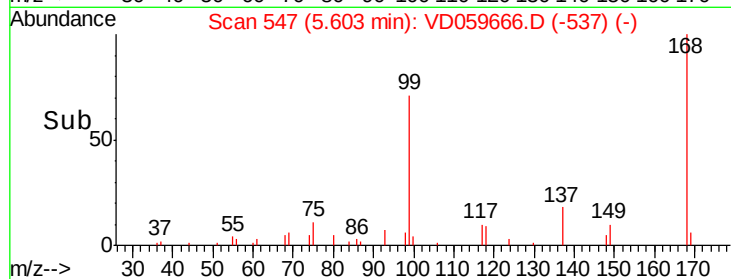
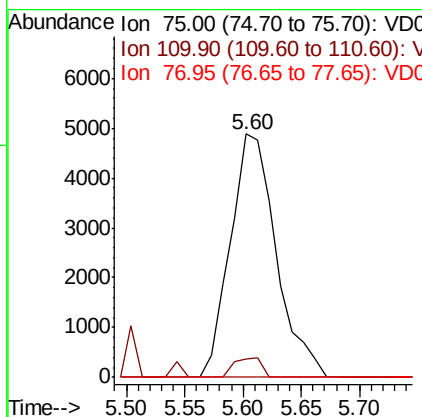
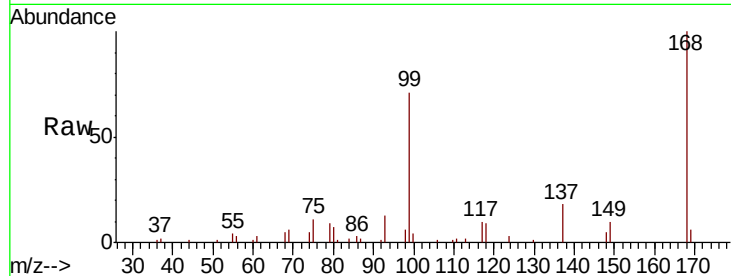




#36
 1,1-Dichloropropene
 Concen: 6.766 ug/l
 RT: 5.60 min Scan# 547
 Delta R.T. -0.10 min
 Lab File: VD059666.D
 Acq: 31 Jul 2018 21:14

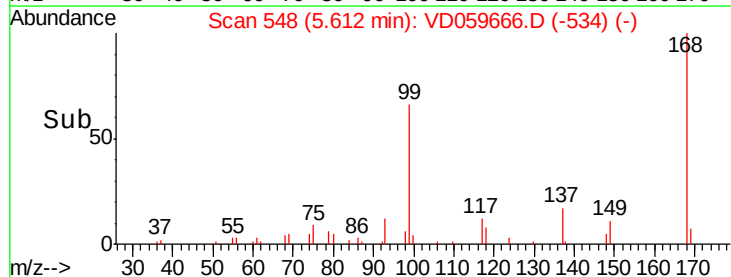
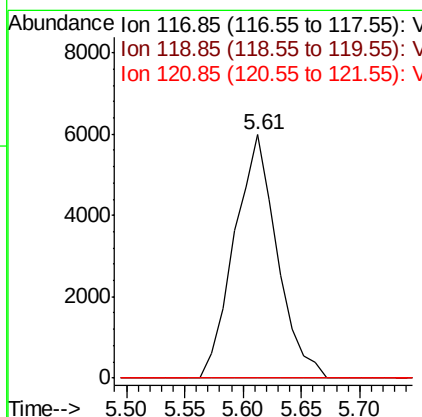
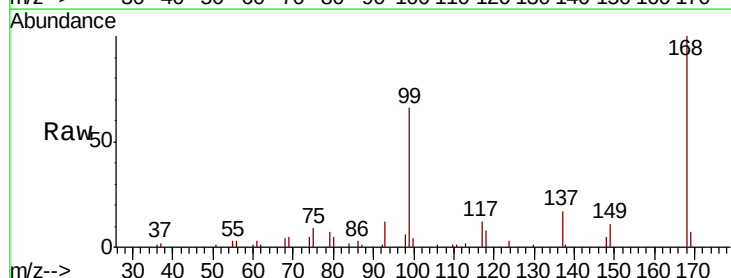
Instrument :
 MSVOA_D
 ClientSampleId :

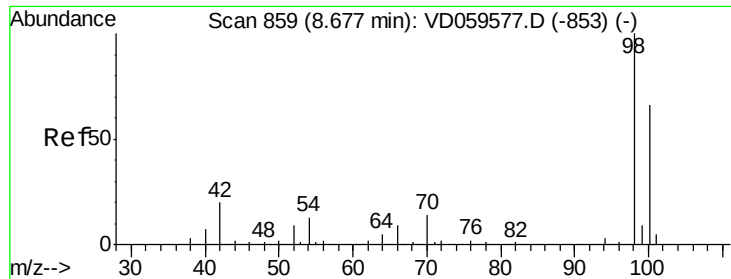
Tot Ion: 75 Resp: 13291
 Ion Ratio Lower Upper
 75 100
 110 7.3 17.0 50.9#
 77 0.0 23.6 35.4#



#38
 Carbon Tetrachloride
 Concen: 5.632 ug/l
 RT: 5.61 min Scan# 548
 Delta R.T. -0.06 min
 Lab File: VD059666.D
 Acq: 31 Jul 2018 21:14

Tgt Ion: 117 Resp: 15150
 Ion Ratio Lower Upper
 117 100
 119 0.0 73.6 110.4#
 121 0.0 25.0 37.6#

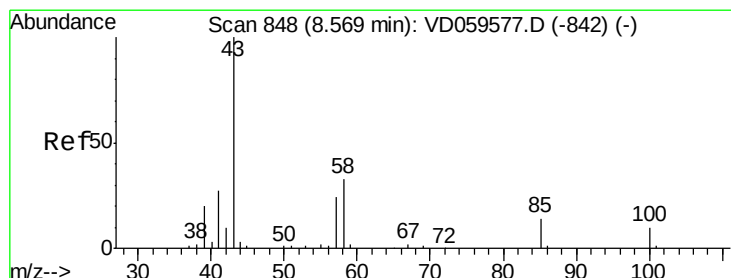
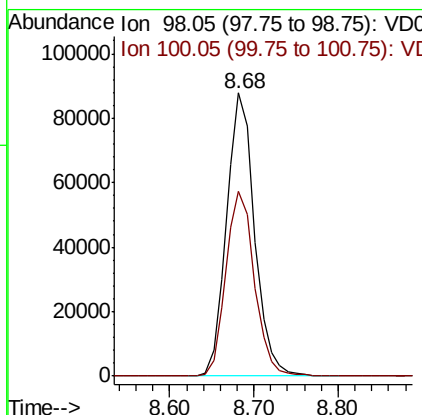
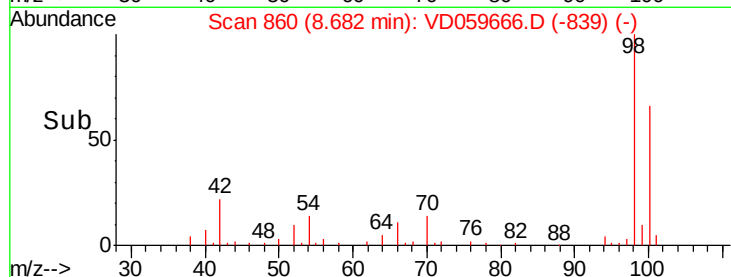
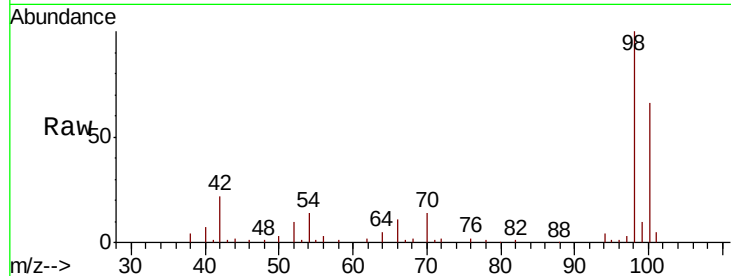




#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.68 min Scan# 860
Delta R.T. 0.00 min
Lab File: VD059666.D
Acq: 31 Jul 2018 21:14

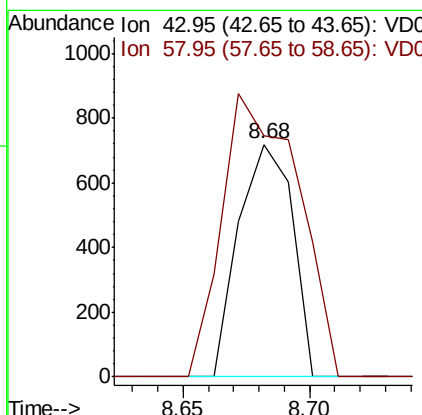
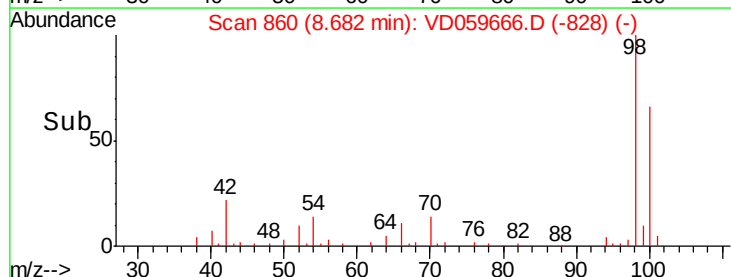
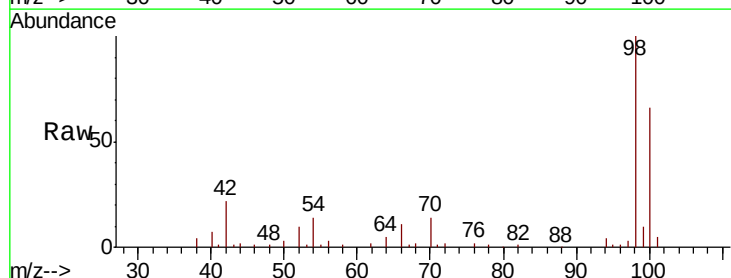
Instrument :
MSVOA_D
ClientSampleId :

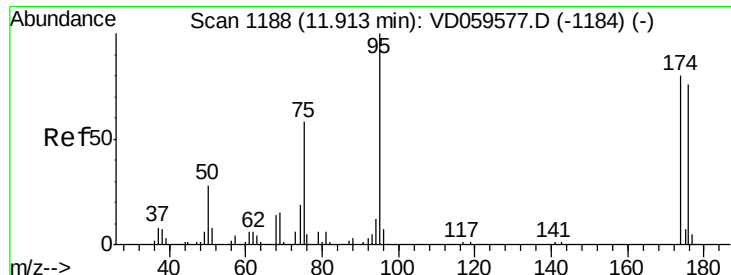
Tot Ion: 98 Resp: 202476
Ion Ratio Lower Upper
98 100
100 65.5 53.2 79.8



#51
4-Methyl-2-Pentanone
Concen: 1.139 ug/l
RT: 8.68 min Scan# 860
Delta R.T. 0.11 min
Lab File: VD059666.D
Acq: 31 Jul 2018 21:14

Tgt Ion: 43 Resp: 1066
Ion Ratio Lower Upper
43 100
58 103.8 26.3 39.5#

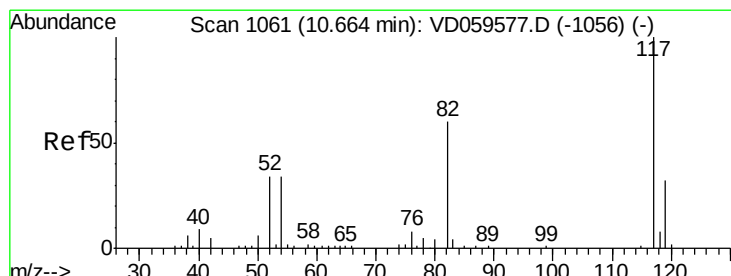
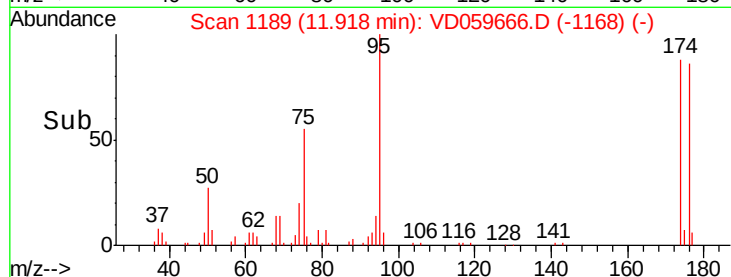
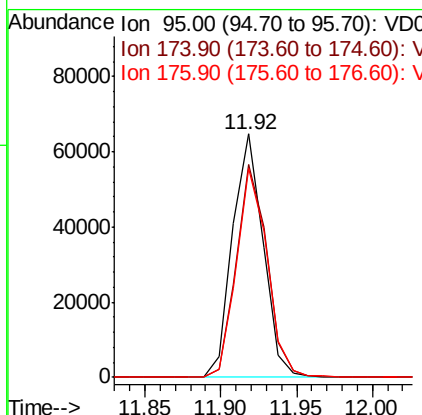
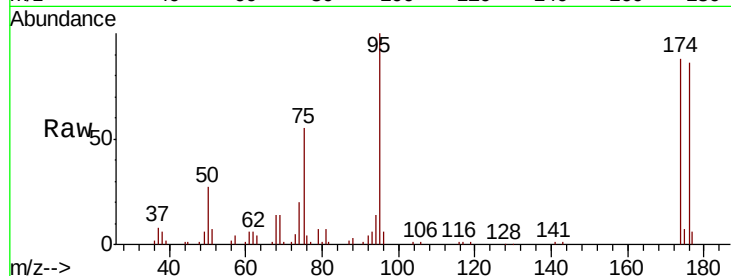




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.92 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VD059666.D
Acq: 31 Jul 2018 21:14

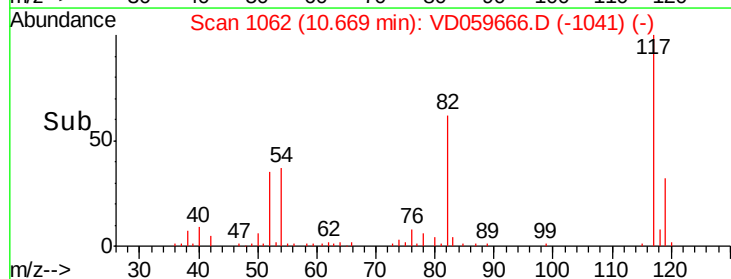
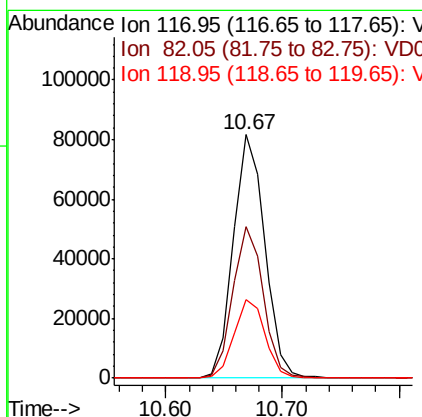
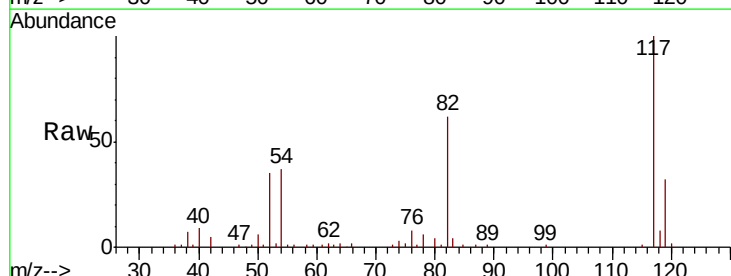
Instrument :
MSVOA_D
ClientSampleId :

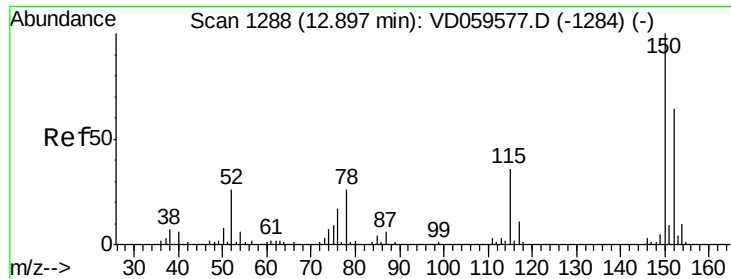
Tot Ion: 95 Resp: 90573
Ion Ratio Lower Upper
95 100
174 87.6 0.0 160.6
176 85.7 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.67 min Scan# 1062
Delta R.T. 0.00 min
Lab File: VD059666.D
Acq: 31 Jul 2018 21:14

Tgt Ion: 117 Resp: 152460
Ion Ratio Lower Upper
117 100
82 62.1 48.2 72.2
119 32.2 25.4 38.2



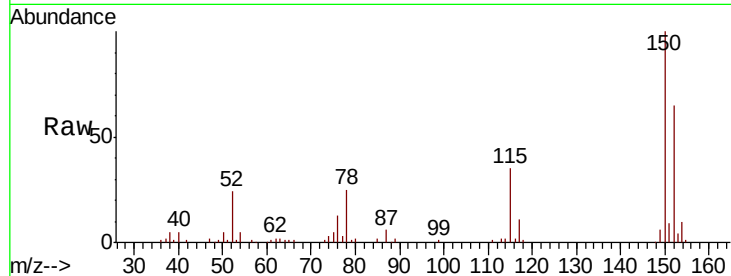


#72

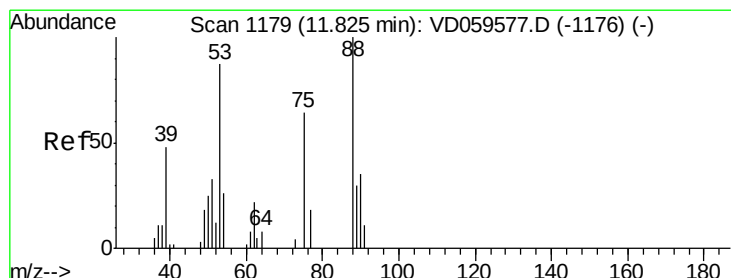
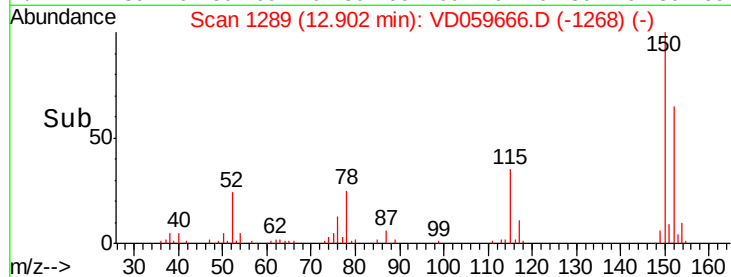
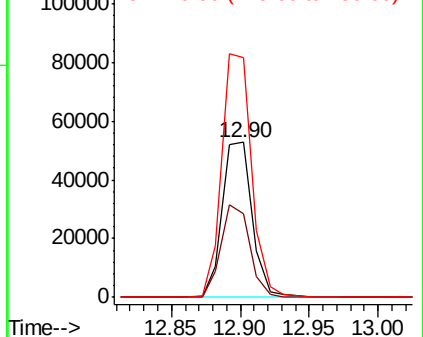
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VD059666.D
Acq: 31 Jul 2018 21:14

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:152 Resp: 79490
Ion Ratio Lower Upper
152 100
115 54.3 29.5 88.6
150 154.8 0.0 314.4



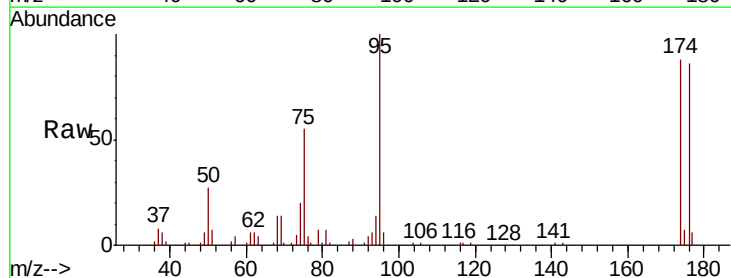
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 145.457 ug/l
RT: 11.92 min Scan# 1189
Delta R.T. 0.09 min
Lab File: VD059666.D
Acq: 31 Jul 2018 21:14

Tgt Ion: 75 Resp: 48886
Ion Ratio Lower Upper
75 100
53 0.0 107.7 161.5#
89 0.0 37.3 55.9#



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

