

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062318\
 Data File : VD058359.D
 Acq On : 23 Jun 2018 23:49
 Operator : VA/AP
 Sample : J3669-05
 Misc : 6.42g/5ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB484-31-33-180620

Quant Time: Jun 25 04:07:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	775276	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.71	114	1046329	50.00	ug/l	0.02
63) Chlorobenzene-d5	10.70	117	862280	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	444792	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	487160	62.21	ug/l	0.02
Spiked Amount 50.000			Recovery	=	124.42%	
35) Dibromofluoromethane	5.57	113	511682	60.08	ug/l	0.02
Spiked Amount 50.000			Recovery	=	120.16%	
50) Toluene-d8	8.72	98	1175585	57.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.12%	
62) 4-Bromofluorobenzene	11.94	95	525396	62.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	124.84%	

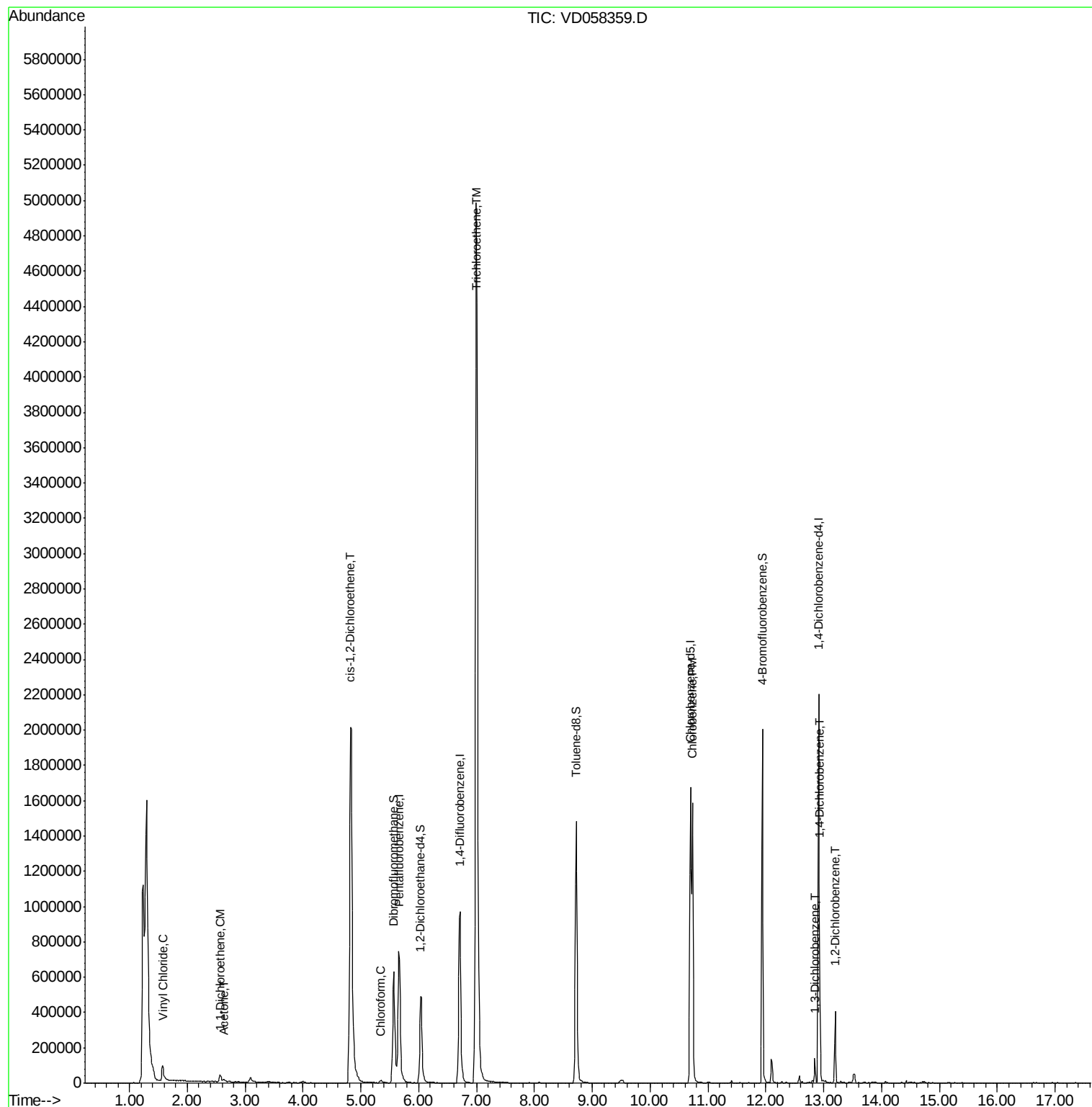
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.57	62	116676	28.73	ug/l	96
12) 1,1-Dichloroethene	2.57	96	15862	5.96	ug/l	93
16) Acetone	2.63	43	25087	23.43	ug/l	93
27) cis-1,2-Dichloroethene	4.82	96	1323562	181.95	ug/l	90
30) Chloroform	5.35	83	14618	1.04	ug/l	93
44) Trichloroethene	7.00	130	2182229	294.74	ug/l	94
65) Chlorobenzene	10.73	112	812617	50.38	ug/l	99
87) 1,3-Dichlorobenzene	12.84	146	42771	3.09	ug/l	97
88) 1,4-Dichlorobenzene	12.93	146	105671	7.81	ug/l	99
91) 1,2-Dichlorobenzene	13.20	146	121078	10.27	ug/l	98

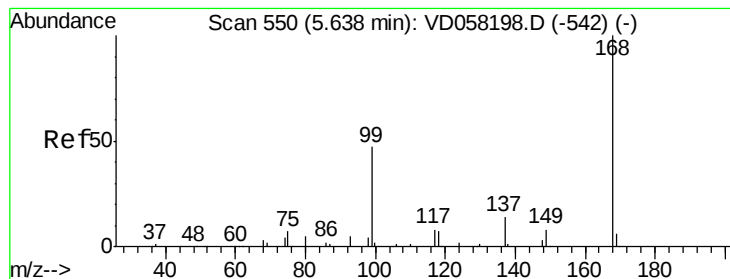
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jun 20 05:52:56 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 552

Delta R.T. 0.02 min

Lab File: VD058359.D

Acq: 23 Jun 2018 23:49

Instrument :

MSVOA_D

ClientSampleId :

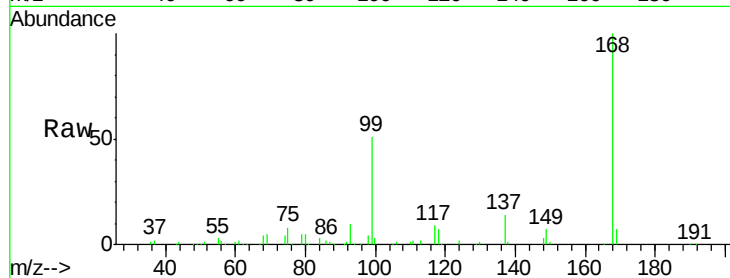
WP021SB484-31-33-180620

Tot Ion:168 Resp: 775276

Ion Ratio Lower Upper

168 100

99 51.3 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.66

300000

250000

200000

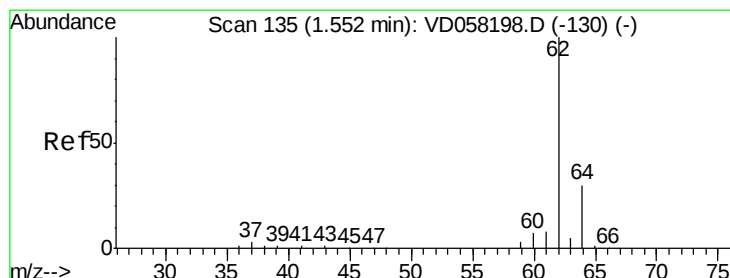
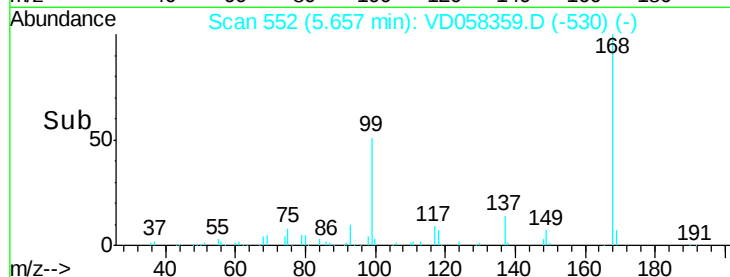
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 28.73 ug/l

RT: 1.57 min Scan# 137

Delta R.T. 0.02 min

Lab File: VD058359.D

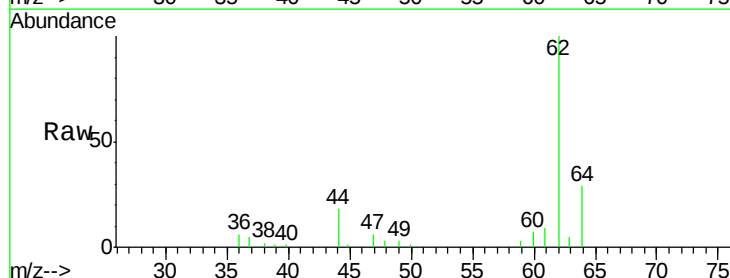
Acq: 23 Jun 2018 23:49

Tgt Ion: 62 Resp: 116676

Ion Ratio Lower Upper

62 100

64 28.6 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.57

60000

50000

40000

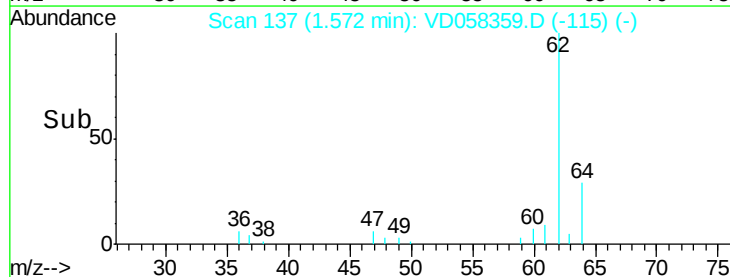
30000

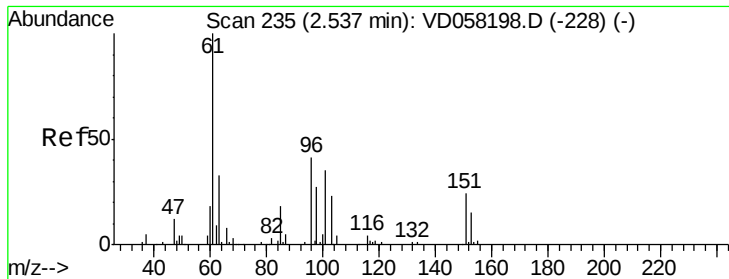
20000

10000

0

Time--> 1.50 1.60 1.70





#12

1,1-Dichloroethene

Concen: 5.96 ug/l

RT: 2.57 min Scan# 238

Delta R.T. 0.03 min

Lab File: VD058359.D

Acq: 23 Jun 2018 23:49

Instrument :

MSVOA_D

ClientSampleId :

WP021SB484-31-33-180620

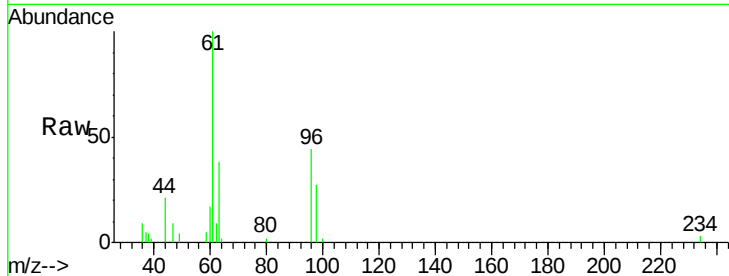
Tot Ion: 96 Resp: 15862

Ion Ratio Lower Upper

96 100

61 228.7 193.9 290.9

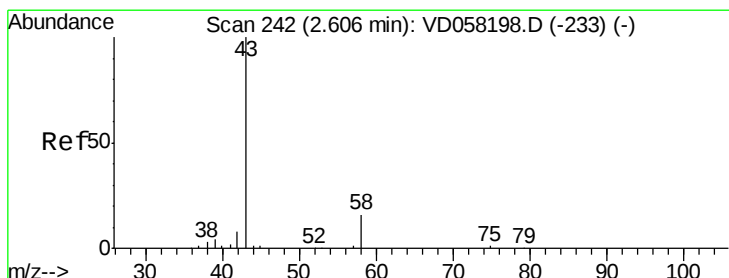
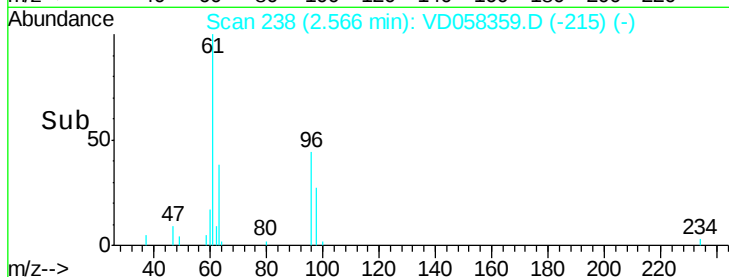
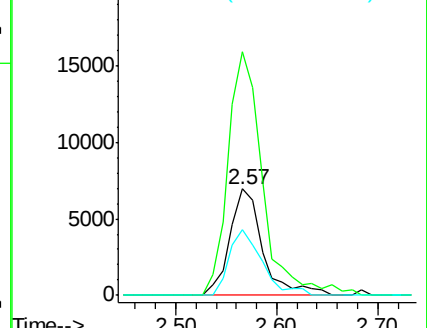
98 61.2 51.7 77.5



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#16

Acetone

Concen: 23.43 ug/l

RT: 2.63 min Scan# 245

Delta R.T. 0.03 min

Lab File: VD058359.D

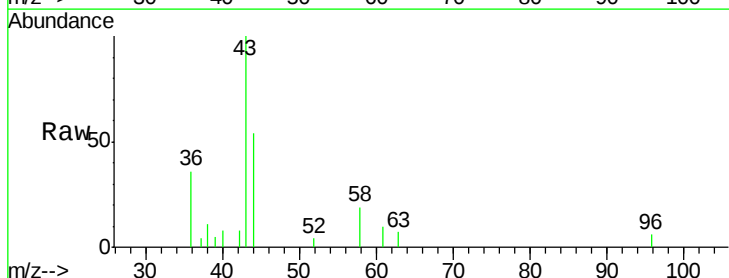
Acq: 23 Jun 2018 23:49

Tgt Ion: 43 Resp: 25087

Ion Ratio Lower Upper

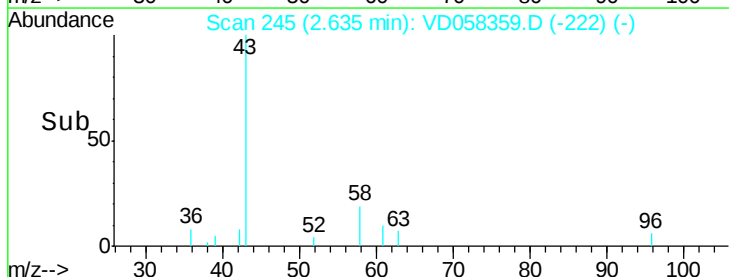
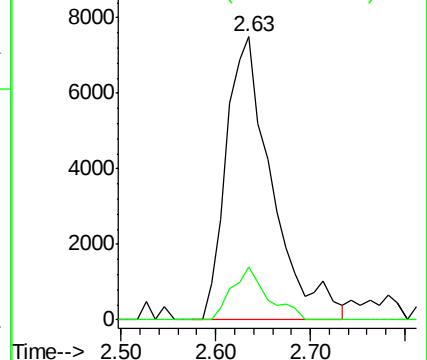
43 100

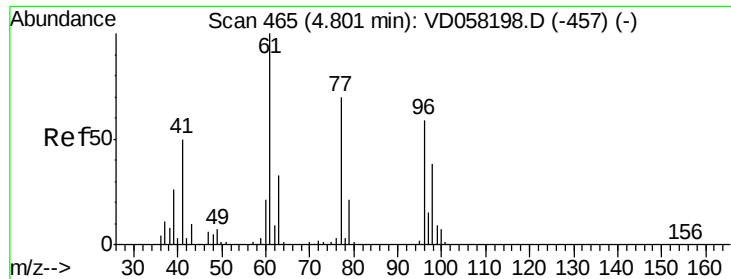
58 18.9 12.7 19.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#27

cis-1,2-Dichloroethene

Concen: 181.95 ug/l

RT: 4.82 min Scan# 467

Delta R.T. 0.02 min

Lab File: VD058359.D

Acq: 23 Jun 2018 23:49

Instrument :

MSVOA_D

ClientSampleId :

WP021SB484-31-33-180620

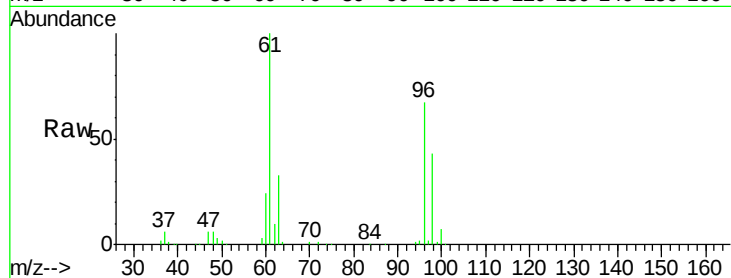
Tot Ion: 96 Resp: 1323562

Ion Ratio Lower Upper

96 100

61 150.3 0.0 338.6

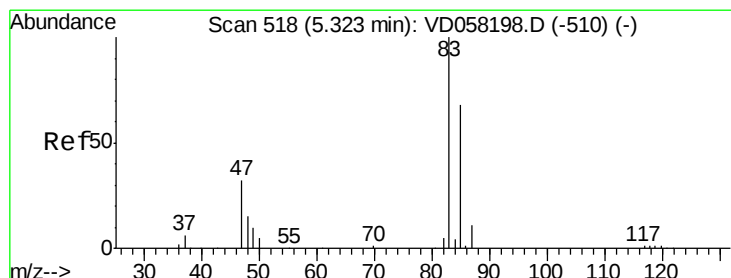
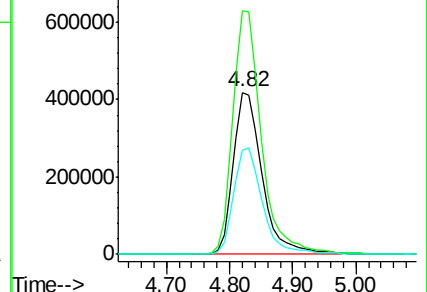
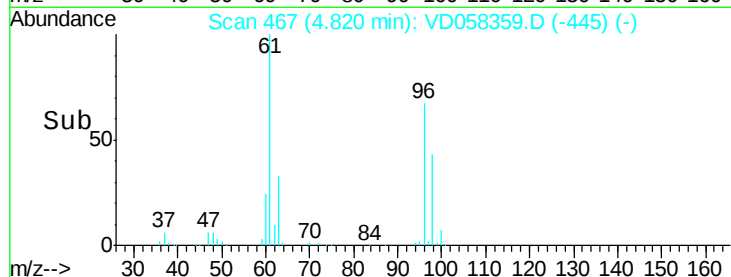
98 64.6 0.0 130.2



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#30

Chloroform

Concen: 1.04 ug/l

RT: 5.35 min Scan# 521

Delta R.T. 0.03 min

Lab File: VD058359.D

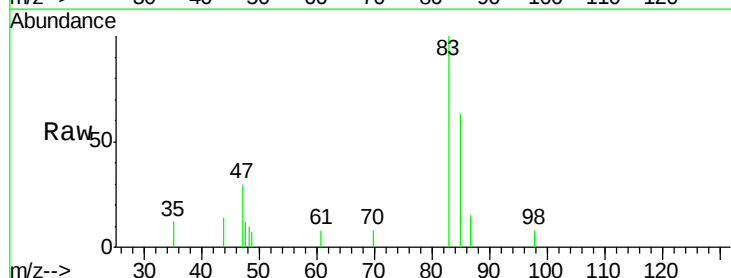
Acq: 23 Jun 2018 23:49

Tgt Ion: 83 Resp: 14618

Ion Ratio Lower Upper

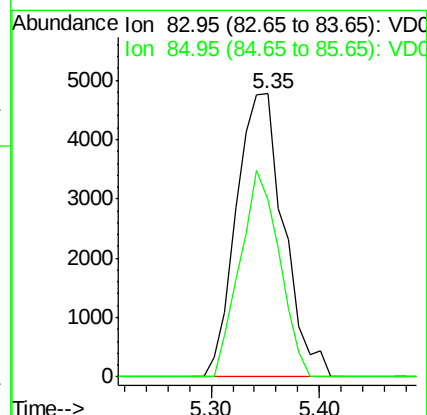
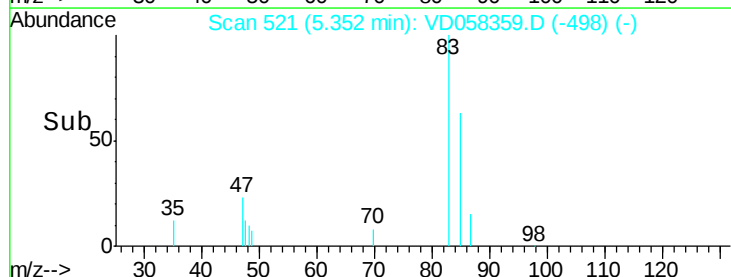
83 100

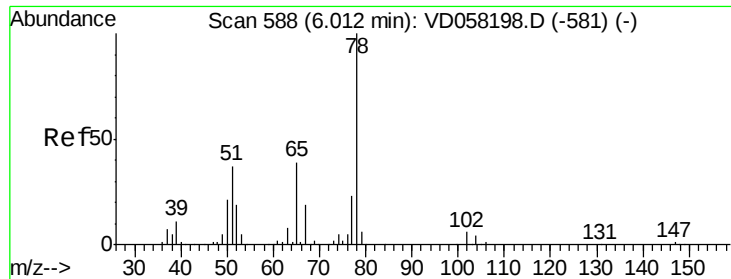
85 62.7 54.8 82.2



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

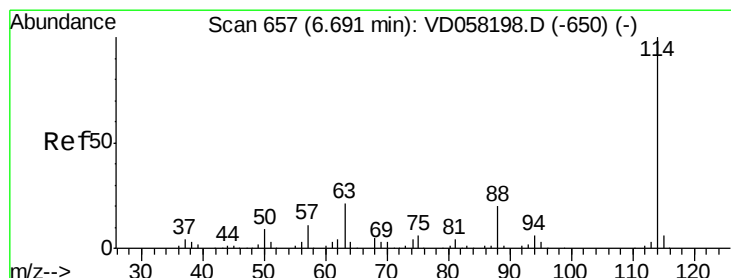
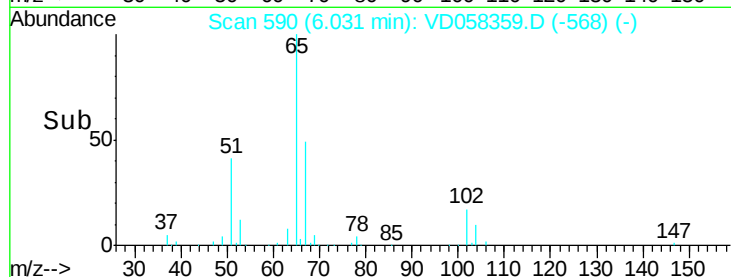
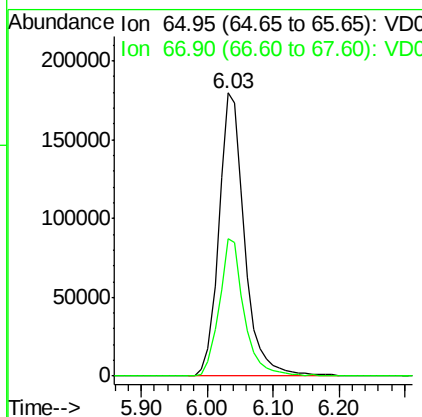
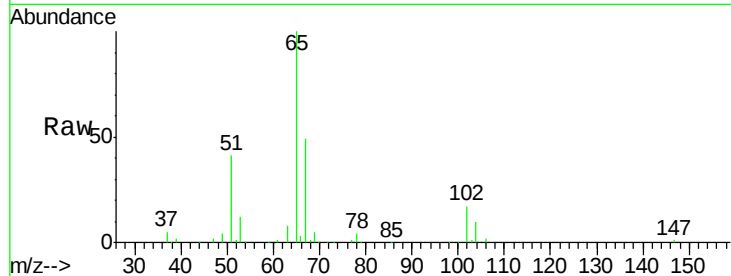




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.03 min Scan# 590
 Delta R.T. 0.02 min
 Lab File: VD058359.D
 Acq: 23 Jun 2018 23:49

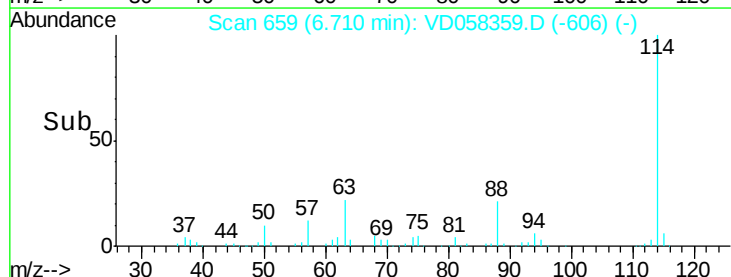
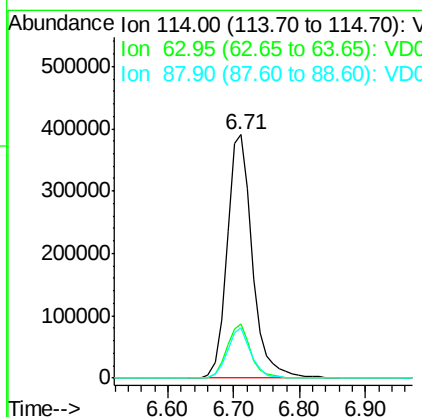
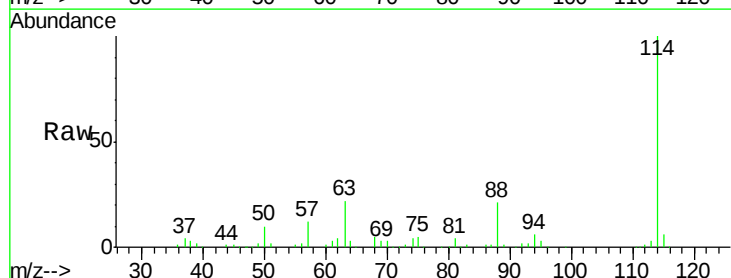
Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB484-31-33-180620

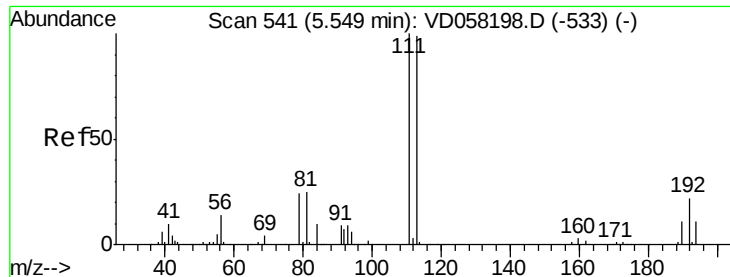
Tot Ion: 65 Resp: 487160
 Ion Ratio Lower Upper
 65 100
 67 48.8 0.0 97.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.71 min Scan# 659
 Delta R.T. 0.02 min
 Lab File: VD058359.D
 Acq: 23 Jun 2018 23:49

Tgt Ion: 114 Resp: 1046329
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 42.6
 88 20.7 0.0 40.6





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.57 min Scan# 543

Delta R.T. 0.02 min

Lab File: VD058359.D

Acq: 23 Jun 2018 23:49

Instrument :

MSVOA_D

ClientSampleId :

WP021SB484-31-33-180620

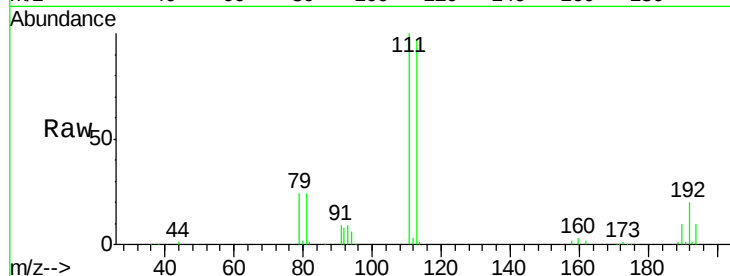
Tot Ion:113 Resp: 511682

Ion Ratio Lower Upper

113 100

111 103.5 80.6 121.0

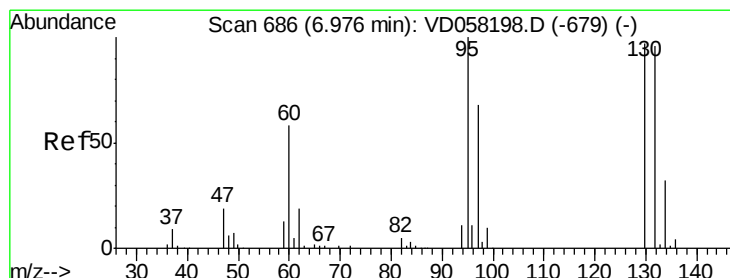
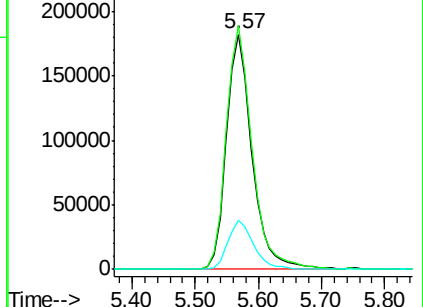
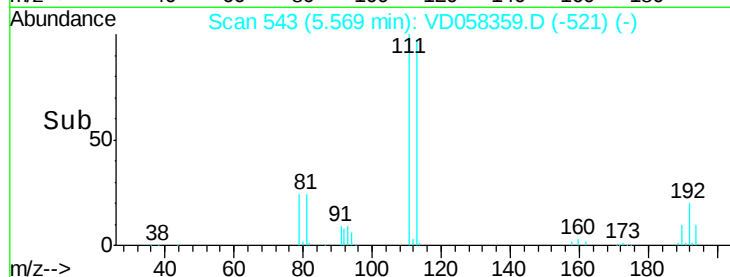
192 21.1 17.8 26.6



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



#44

Trichloroethene

Concen: 294.74 ug/l

RT: 7.00 min Scan# 688

Delta R.T. 0.02 min

Lab File: VD058359.D

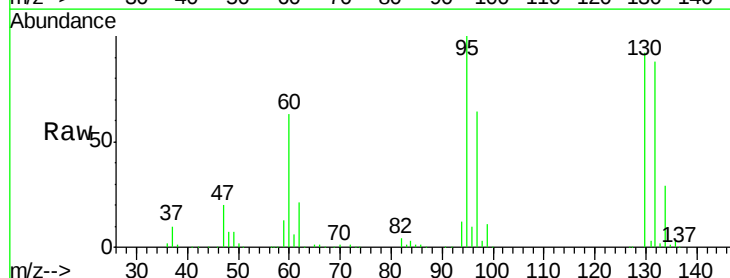
Acq: 23 Jun 2018 23:49

Tgt Ion:130 Resp: 2182229

Ion Ratio Lower Upper

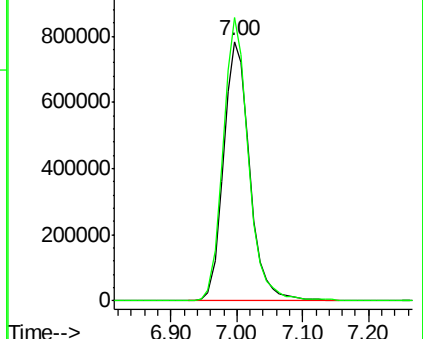
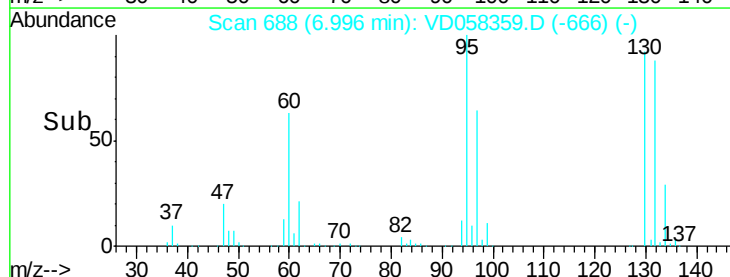
130 100

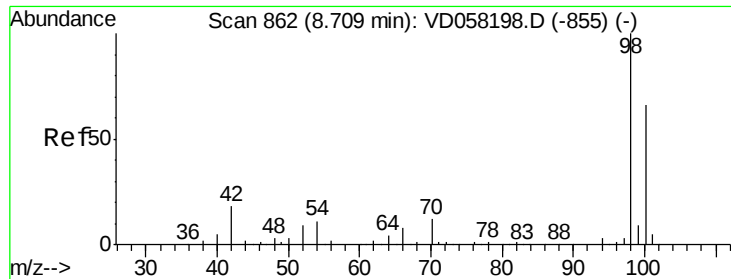
95 109.1 0.0 205.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V

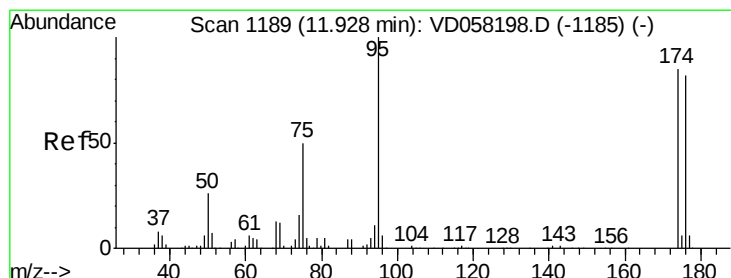
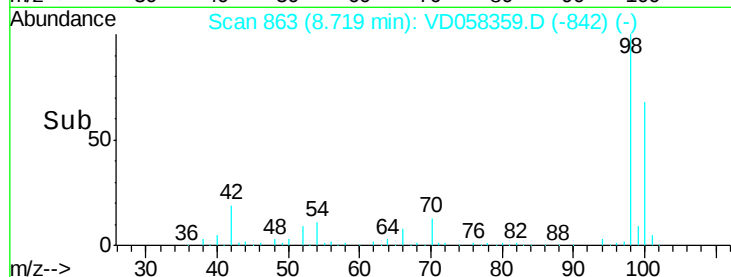
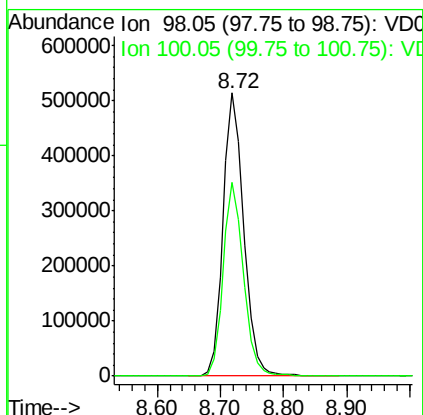
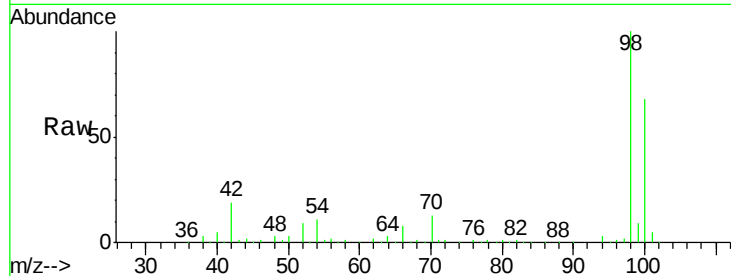




#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.72 min Scan# 863
Delta R.T. 0.01 min
Lab File: VD058359.D
Acq: 23 Jun 2018 23:49

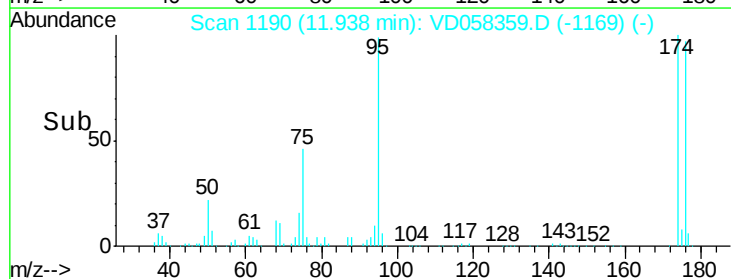
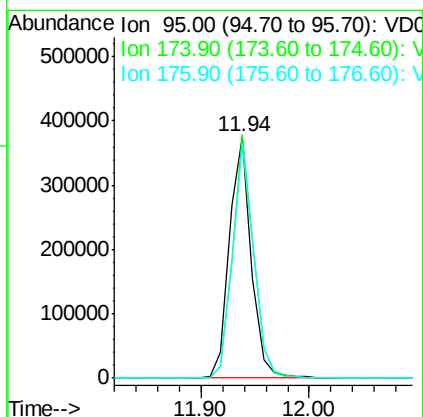
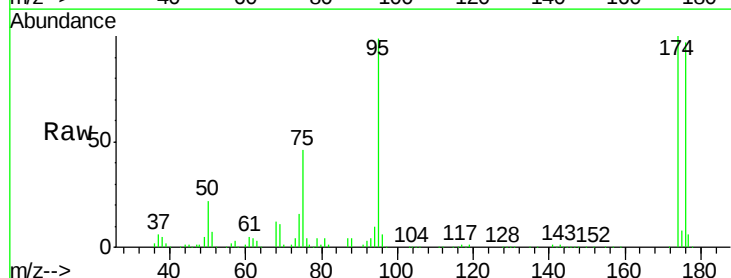
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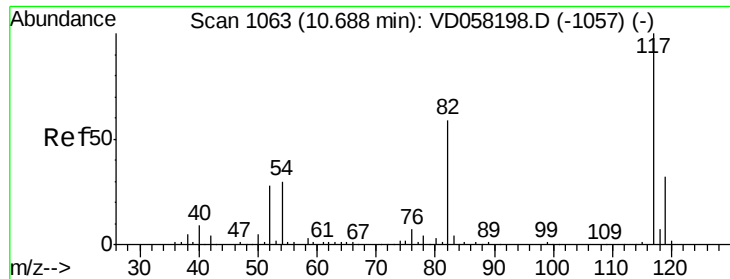
Tot Ion: 98 Resp: 1175585
Ion Ratio Lower Upper
98 100
100 68.5 53.6 80.4



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.94 min Scan# 1190
Delta R.T. 0.01 min
Lab File: VD058359.D
Acq: 23 Jun 2018 23:49

Tgt Ion: 95 Resp: 525396
Ion Ratio Lower Upper
95 100
174 101.0 0.0 170.2
176 97.5 0.0 164.6

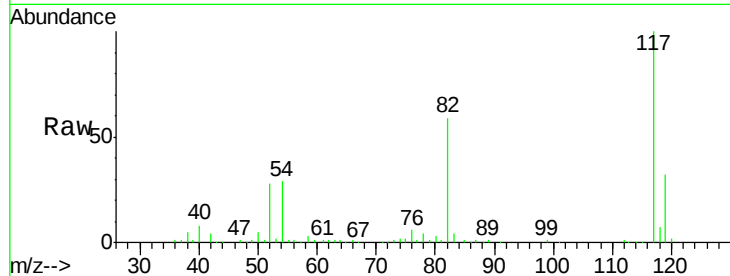




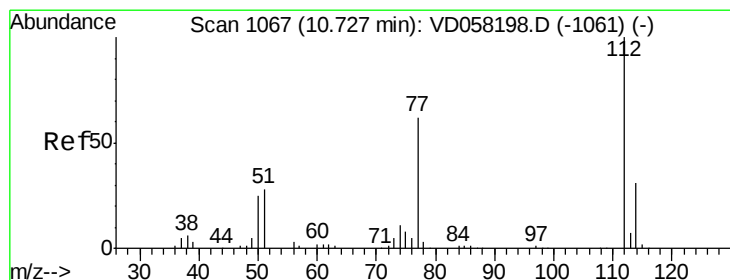
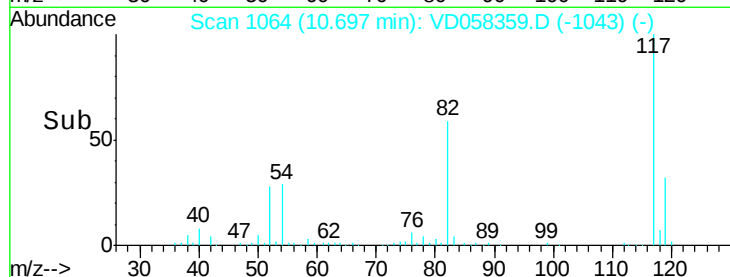
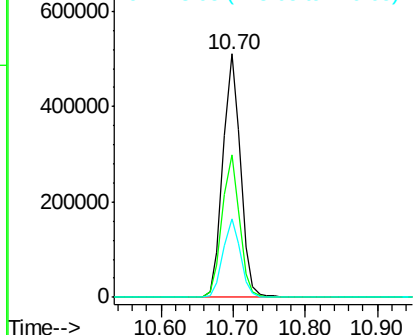
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD058359.D
Acq: 23 Jun 2018 23:49

Instrument :
MSVOA_D
ClientSampleId :
WP021SB484-31-33-180620

Tot Ion:117 Resp: 862280
Ion Ratio Lower Upper
117 100
82 58.7 47.0 70.6
119 32.4 25.3 37.9

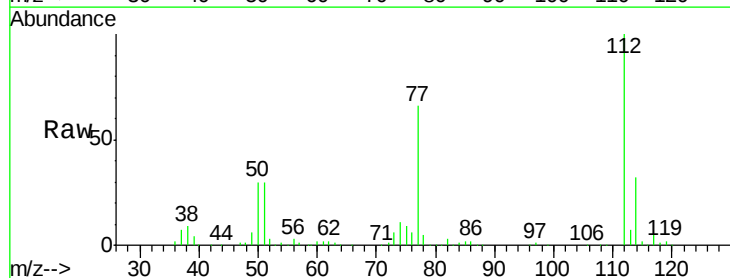


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

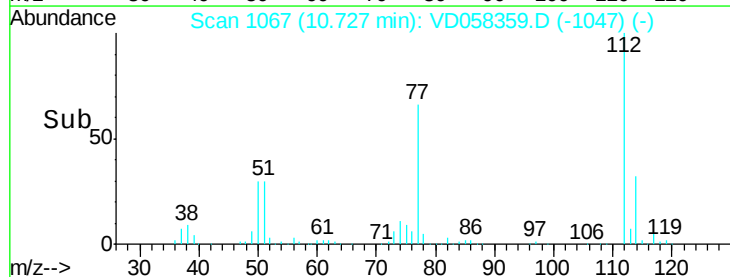
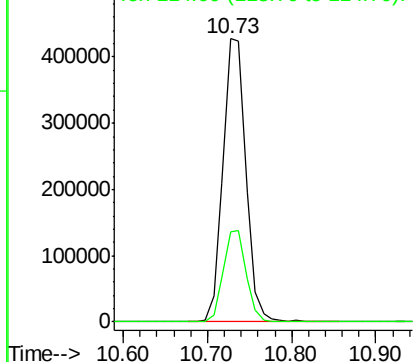


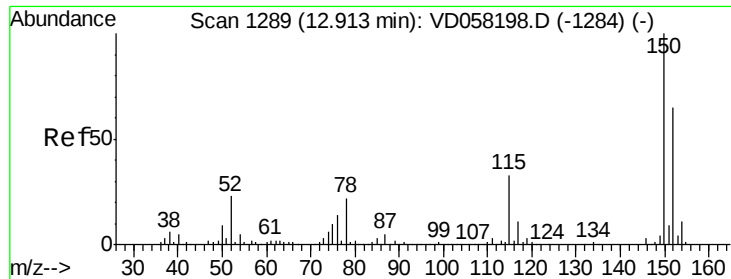
#65
Chlorobenzene
Concen: 50.38 ug/l
RT: 10.73 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VD058359.D
Acq: 23 Jun 2018 23:49

Tgt Ion:112 Resp: 812617
Ion Ratio Lower Upper
112 100
114 32.0 25.0 37.4



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 114.00 (113.70 to 114.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.91 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VD058359.D

Acq: 23 Jun 2018 23:49

Instrument :

MSVOA_D

ClientSampleId :

WP021SB484-31-33-180620

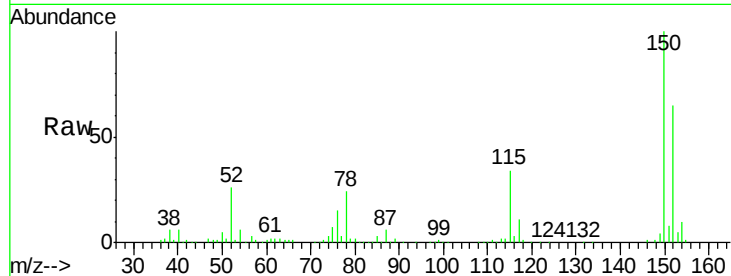
Tot Ion:152 Resp: 444792

Ion Ratio Lower Upper

152 100

115 52.2 25.1 75.3

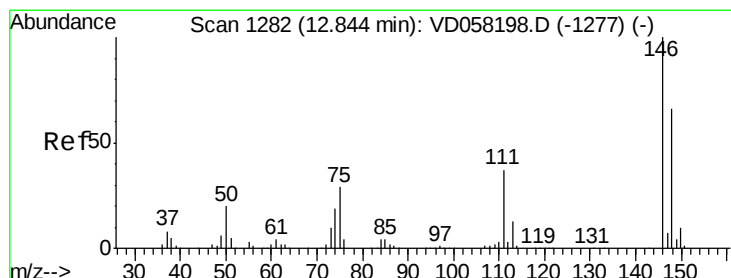
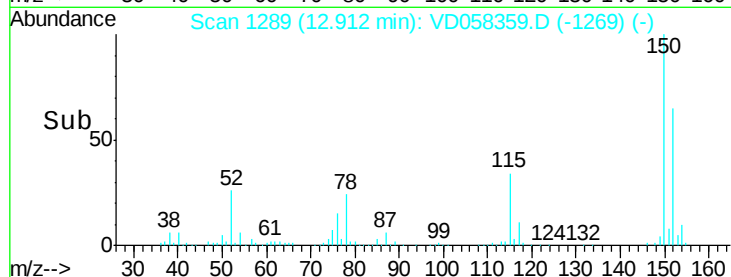
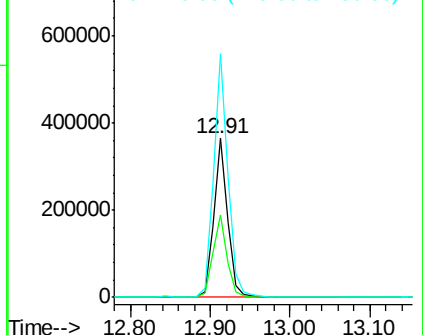
150 153.5 0.0 308.8



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



#87

1,3-Dichlorobenzene

Concen: 3.09 ug/l

RT: 12.84 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD058359.D

Acq: 23 Jun 2018 23:49

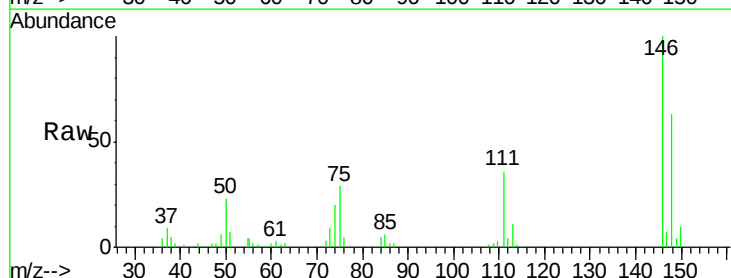
Tgt Ion:146 Resp: 42771

Ion Ratio Lower Upper

146 100

111 35.8 18.4 55.0

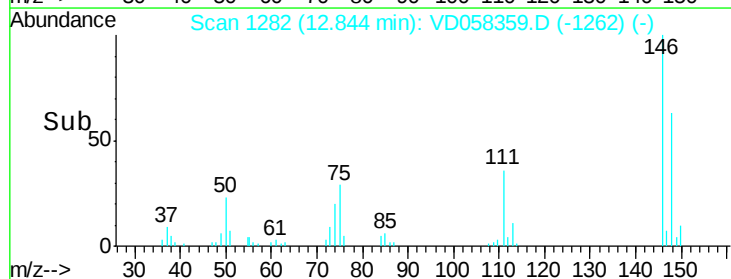
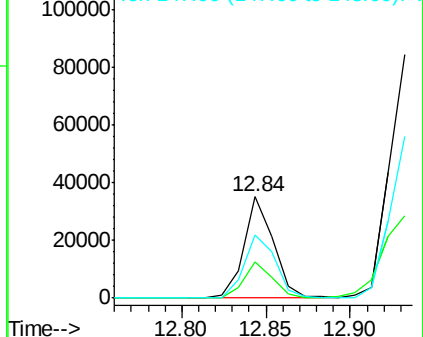
148 62.9 32.8 98.4

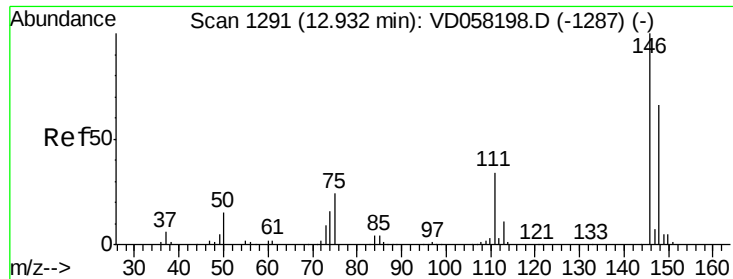


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

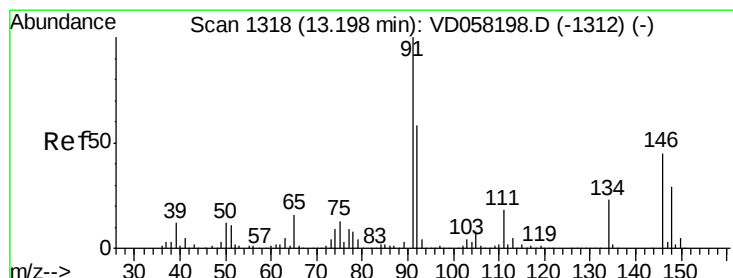
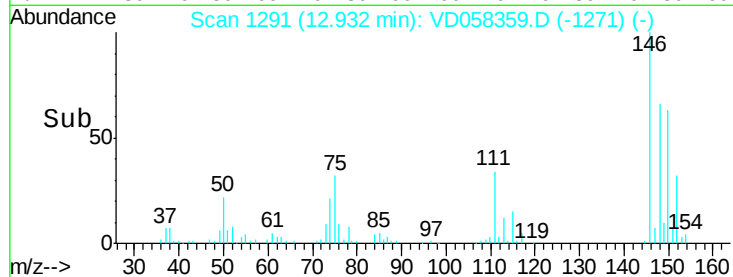
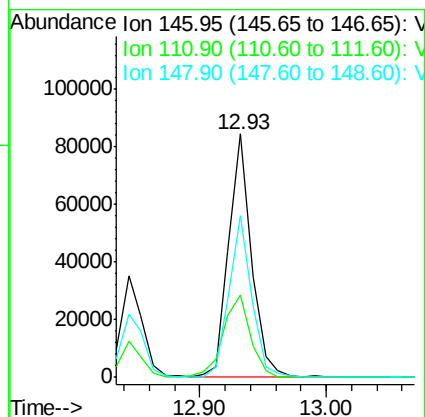
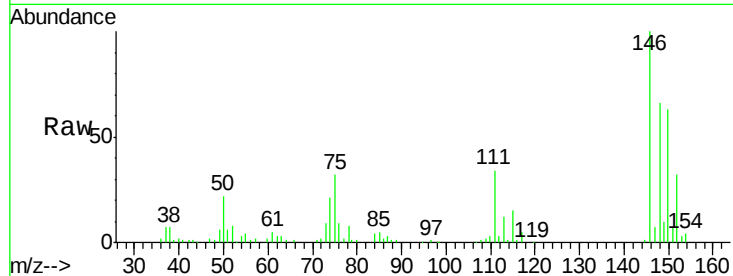




#88
 1,4-Dichlorobenzene
 Concen: 7.81 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VD058359.D
 Acq: 23 Jun 2018 23:49

Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB484-31-33-180620

Tot Ion:146 Resp: 105671
 Ion Ratio Lower Upper
 146 100
 111 33.8 17.2 51.5
 148 66.5 33.1 99.3



#91
 1,2-Dichlorobenzene
 Concen: 10.27 ug/l
 RT: 13.20 min Scan# 1318
 Delta R.T. -0.00 min
 Lab File: VD058359.D
 Acq: 23 Jun 2018 23:49

Tgt Ion:146 Resp: 121078
 Ion Ratio Lower Upper
 146 100
 111 36.7 19.6 58.7
 148 64.8 32.0 96.2

