

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062318\
 Data File : VD058355.D
 Acq On : 23 Jun 2018 21:56
 Operator : VA/AP
 Sample : J3671-06
 Misc : 6.02g/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB478-17-19-180621

Quant Time: Jun 25 08:36:21 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	681652	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	6.71	114	917195	50.00	ug/l	0.02
63) Chlorobenzene-d5	10.69	117	753903	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	392480	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	438720	63.72	ug/l	0.03
Spiked Amount			Recovery	=	127.44%	
35) Dibromofluoromethane	5.56	113	436301	58.45	ug/l	0.02
Spiked Amount			Recovery	=	116.90%	
50) Toluene-d8	8.72	98	1016434	56.28	ug/l	0.02
Spiked Amount			Recovery	=	112.56%	
62) 4-Bromofluorobenzene	11.93	95	427181	57.90	ug/l	0.00
Spiked Amount			Recovery	=	115.80%	

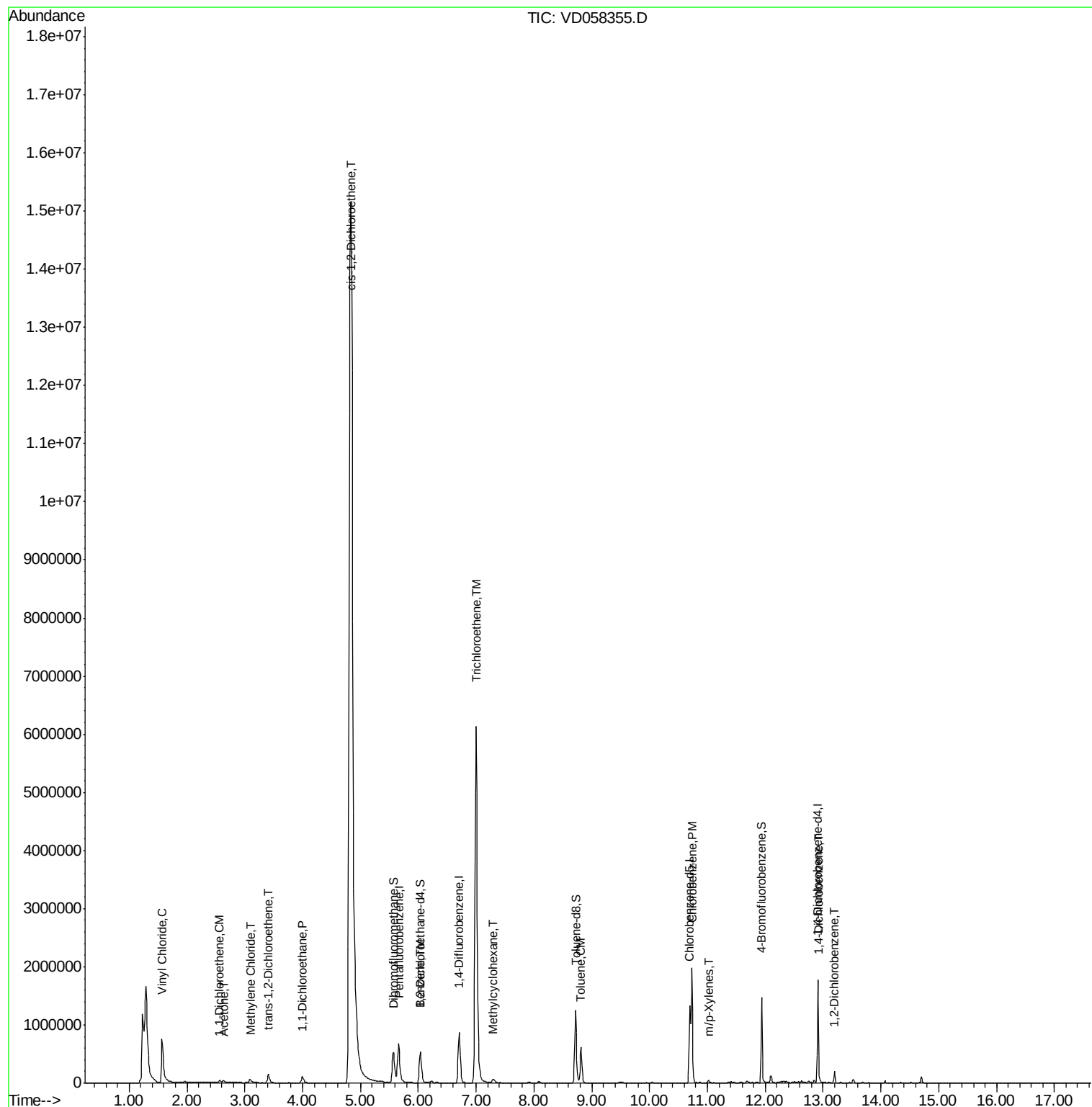
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.57	62	1031312	288.81	ug/l	97
12) 1,1-Dichloroethene	2.57	96	15260	6.52	ug/l	93
16) Acetone	2.63	43	66588	70.72	ug/l #	83
20) Methylene Chloride	3.09	84	27018	6.88	ug/l	94
21) trans-1,2-Dichloroethene	3.41	96	75783	29.61	ug/l	90
24) 1,1-Dichloroethane	4.00	63	182297	15.63	ug/l	98
27) cis-1,2-Dichloroethene	4.84	96	13823191	2161.28	ug/l	87
39) Methylcyclohexane	7.30	83	29587	3.35	ug/l	89
40) Benzene	6.04	78	114338	5.29	ug/l	99
44) Trichloroethene	7.00	130	2746366	423.16	ug/l	97
52) Toluene	8.81	92	322059	26.17	ug/l	99
65) Chlorobenzene	10.73	112	963446	68.32	ug/l	97
68) m/p-Xylenes	11.02	106	15260	1.84	ug/l	76
88) 1,4-Dichlorobenzene	12.93	146	21771	1.82	ug/l	94
91) 1,2-Dichlorobenzene	13.19	146	55910	5.38	ug/l	96

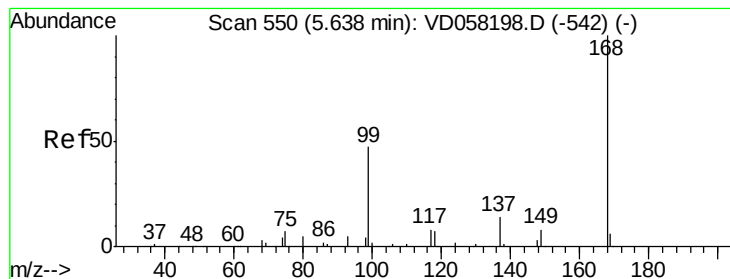
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 552

Delta R.T. 0.03 min

Lab File: VD058355.D

Acq: 23 Jun 2018 21:56

Instrument :

MSVOA_D

ClientSampleId :

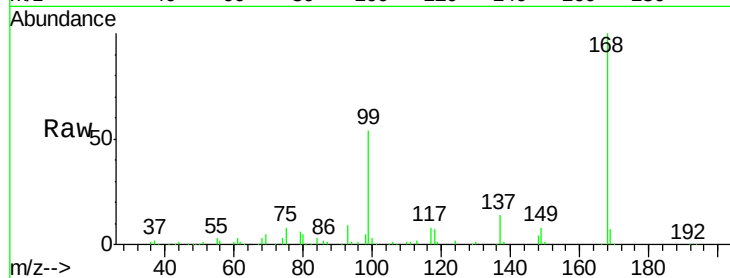
WP021SB478-17-19-180621

Tot Ion:168 Resp: 681652

Ion Ratio Lower Upper

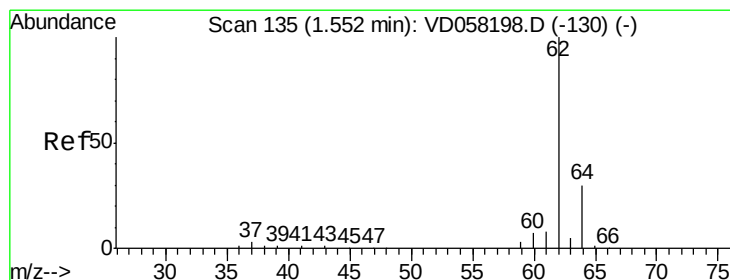
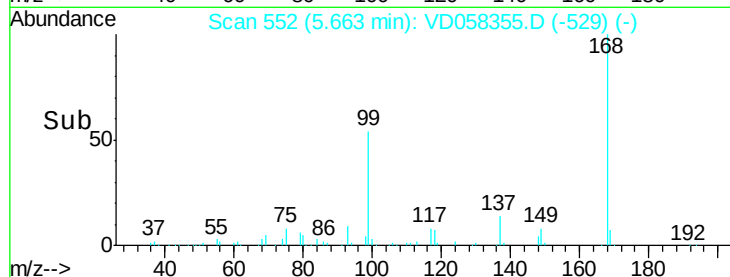
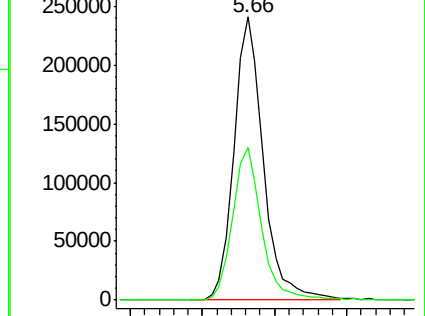
168 100

99 53.8 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#4

Vinyl Chloride

Concen: 288.81 ug/l

RT: 1.57 min Scan# 136

Delta R.T. 0.02 min

Lab File: VD058355.D

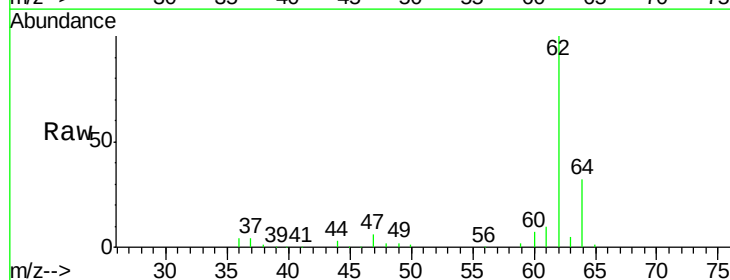
Acq: 23 Jun 2018 21:56

Tgt Ion: 62 Resp: 1031312

Ion Ratio Lower Upper

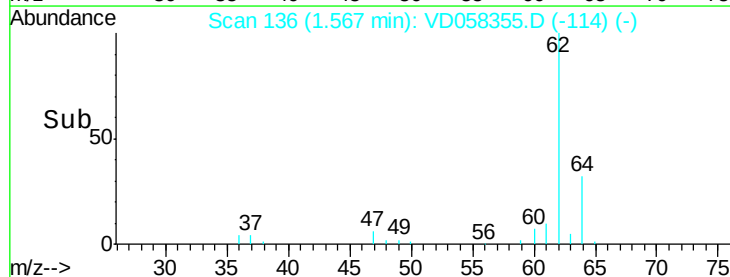
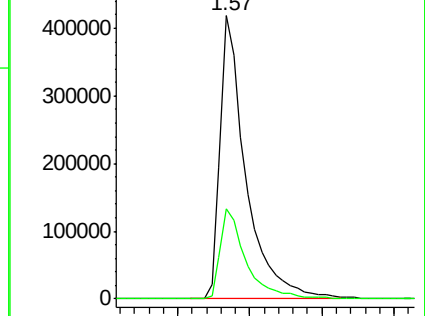
62 100

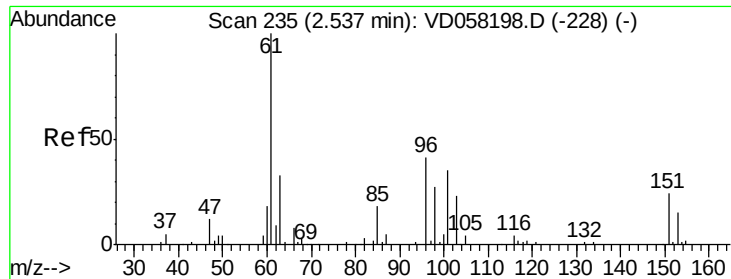
64 31.9 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

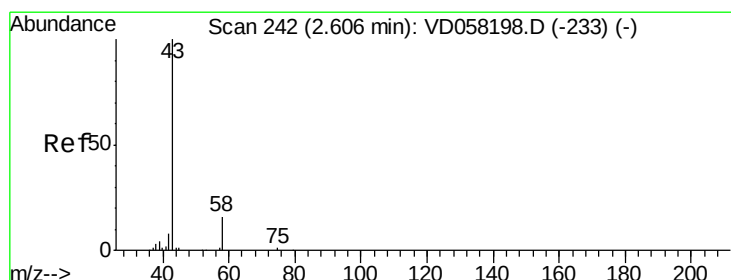
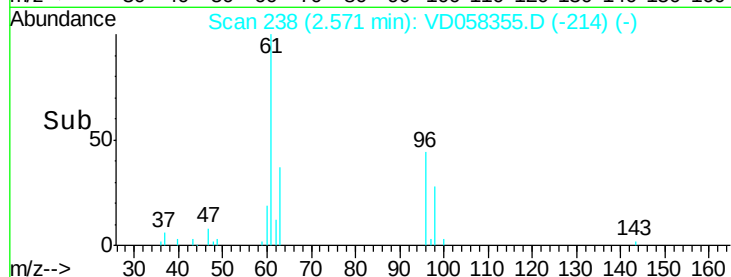
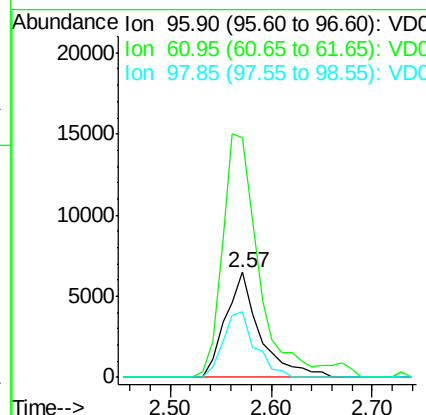
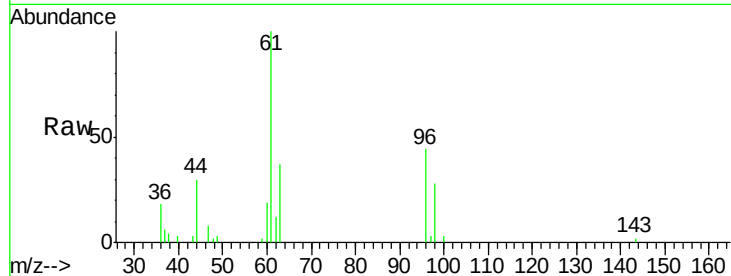




#12
 1,1-Dichloroethene
 Concen: 6.52 ug/l
 RT: 2.57 min Scan# 238
 Delta R.T. 0.03 min
 Lab File: VD058355.D
 Acq: 23 Jun 2018 21:56

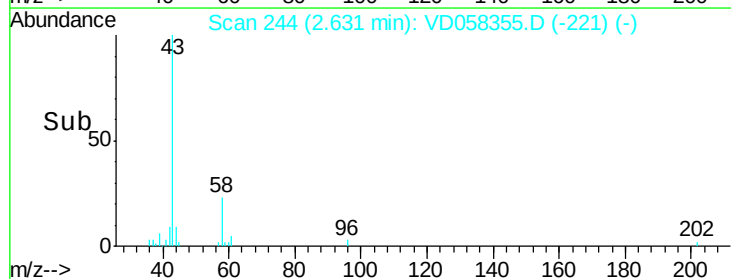
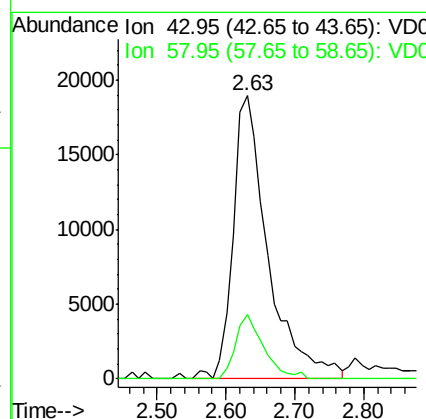
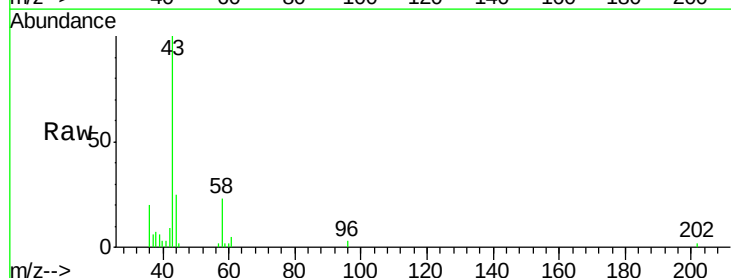
Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB478-17-19-180621

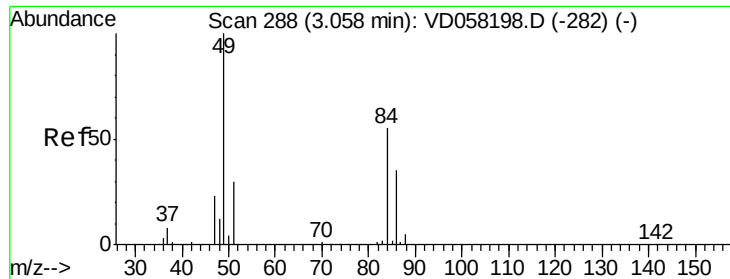
Tot Ion: 96 Resp: 15260
 Ion Ratio Lower Upper
 96 100
 61 228.6 193.9 290.9
 98 63.0 51.7 77.5



#16
 Acetone
 Concen: 70.72 ug/l
 RT: 2.63 min Scan# 244
 Delta R.T. 0.03 min
 Lab File: VD058355.D
 Acq: 23 Jun 2018 21:56

Tgt Ion: 43 Resp: 66588
 Ion Ratio Lower Upper
 43 100
 58 23.0 12.7 19.1#

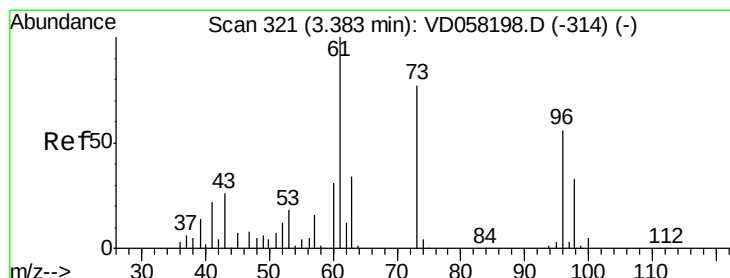
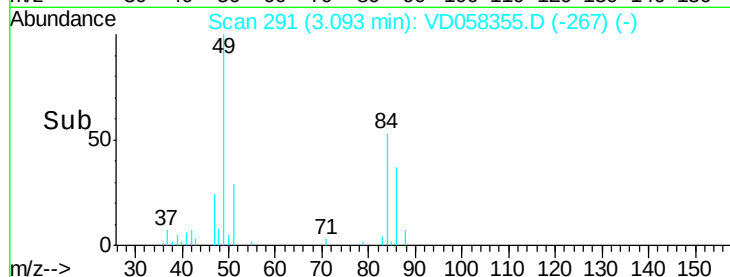
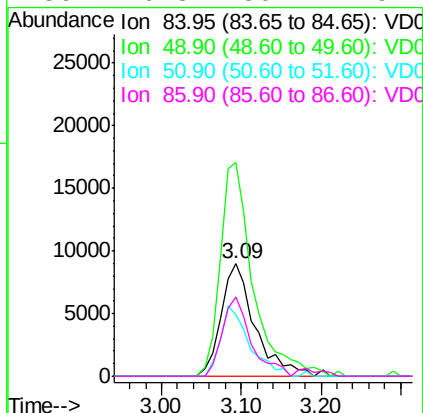
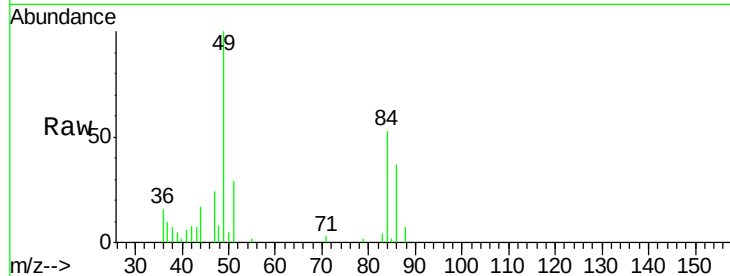




#20
Methylene Chloride
Concen: 6.88 ug/l
RT: 3.09 min Scan# 291
Delta R.T. 0.04 min
Lab File: VD058355.D
Acq: 23 Jun 2018 21:56

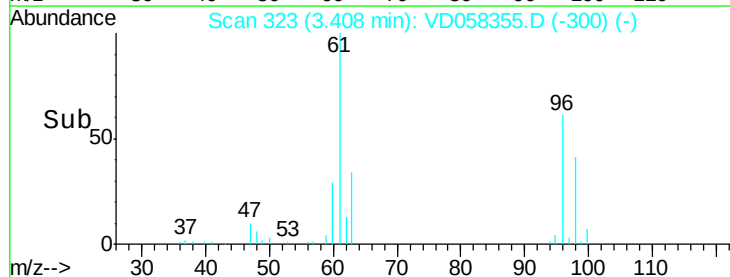
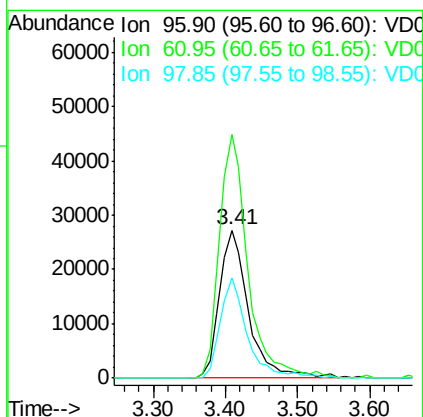
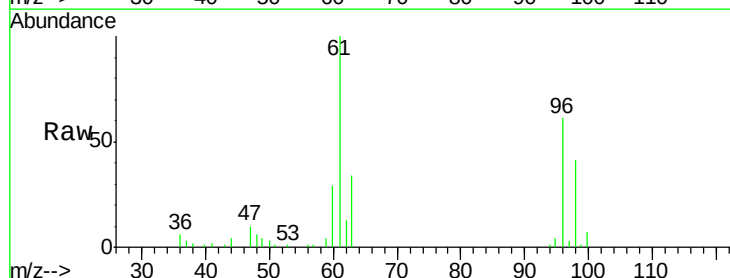
Instrument :
MSVOA_D
ClientSampleId :
WP021SB478-17-19-180621

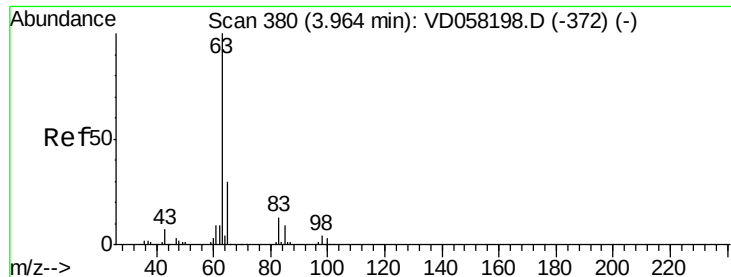
Tot Ion: 84 Resp: 27018
Ion Ratio Lower Upper
84 100
49 189.8 145.0 217.6
51 55.1 42.9 64.3
86 70.3 50.1 75.1



#21
trans-1,2-Dichloroethene
Concen: 29.61 ug/l
RT: 3.41 min Scan# 323
Delta R.T. 0.03 min
Lab File: VD058355.D
Acq: 23 Jun 2018 21:56

Tgt Ion: 96 Resp: 75783
Ion Ratio Lower Upper
96 100
61 164.8 143.8 215.6
98 67.7 48.0 72.0





#24

1,1-Dichloroethane

Concen: 15.63 ug/l

RT: 4.00 min Scan# 383

Delta R.T. 0.03 min

Lab File: VD058355.D

Acq: 23 Jun 2018 21:56

Instrument :

MSVOA_D

ClientSampleId :

WP021SB478-17-19-180621

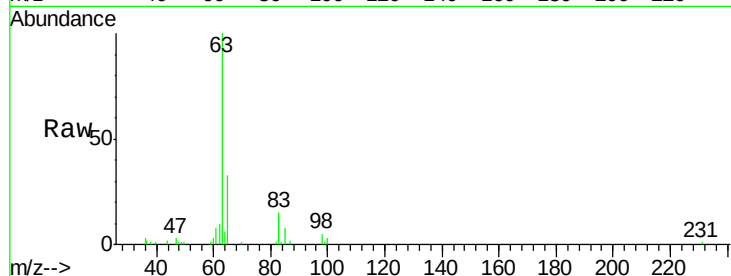
Tot Ion: 63 Resp: 182297

Ion Ratio Lower Upper

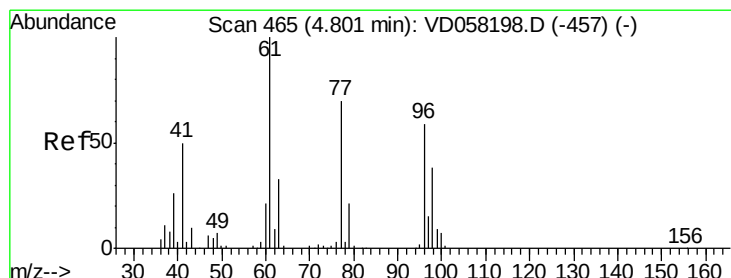
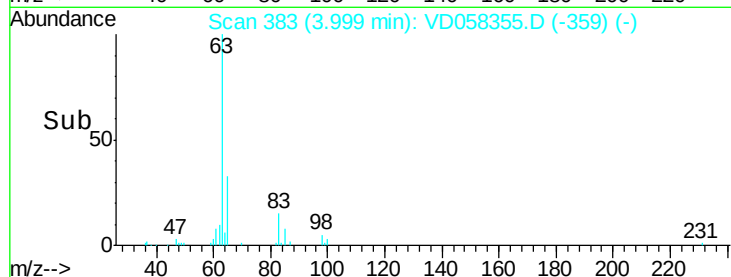
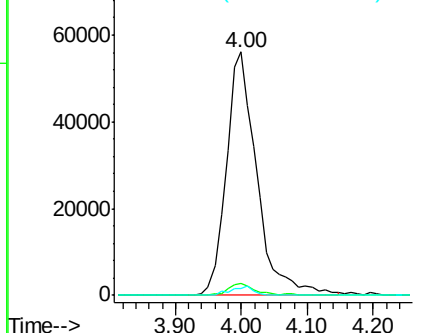
63 100

98 4.7 1.9 5.7

100 2.9 1.3 3.9



Abundance Ion 62.95 (62.65 to 63.65): VDC
Ion 97.95 (97.65 to 98.65): VDC
Ion 99.95 (99.65 to 100.65): VDC



#27

cis-1,2-Dichloroethene

Concen: 2161.28 ug/l

RT: 4.84 min Scan# 468

Delta R.T. 0.03 min

Lab File: VD058355.D

Acq: 23 Jun 2018 21:56

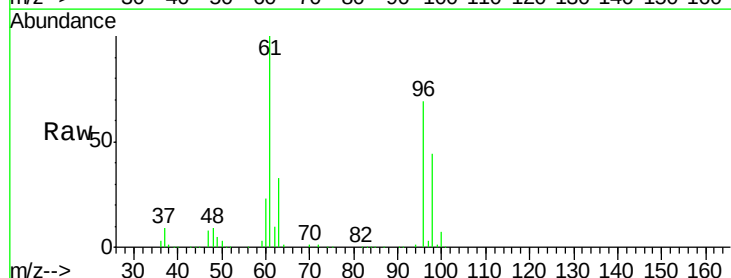
Tgt Ion: 96 Resp: 13823191

Ion Ratio Lower Upper

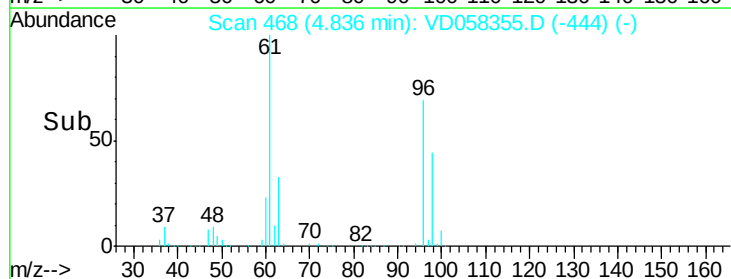
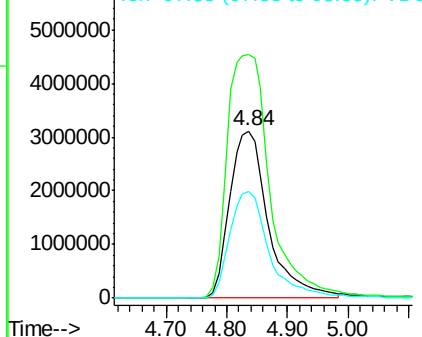
96 100

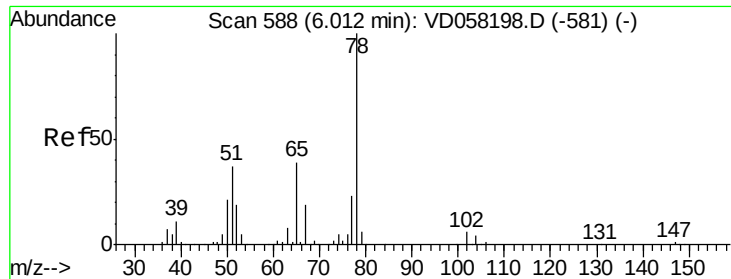
61 145.9 0.0 338.6

98 63.7 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

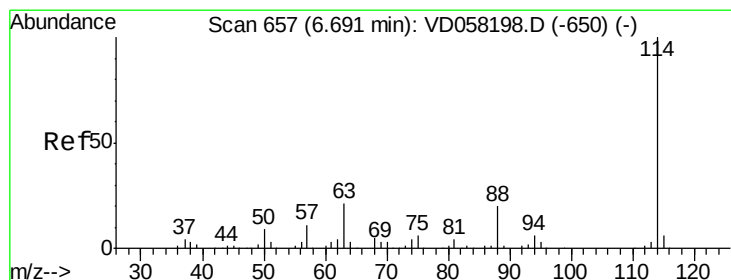
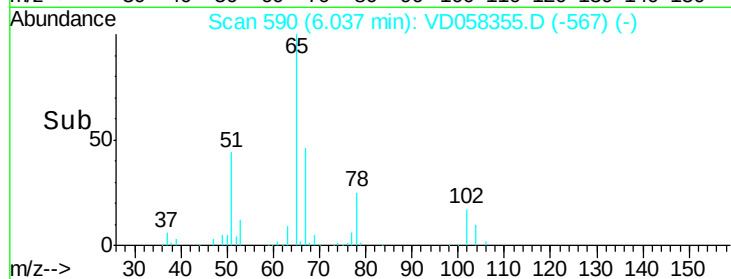
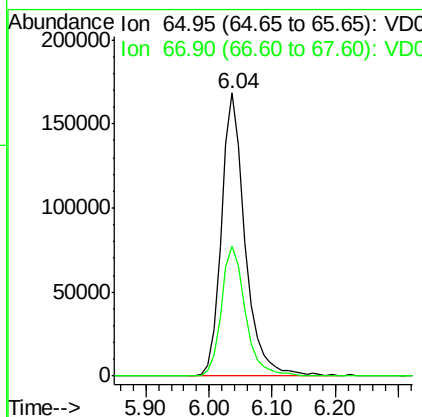
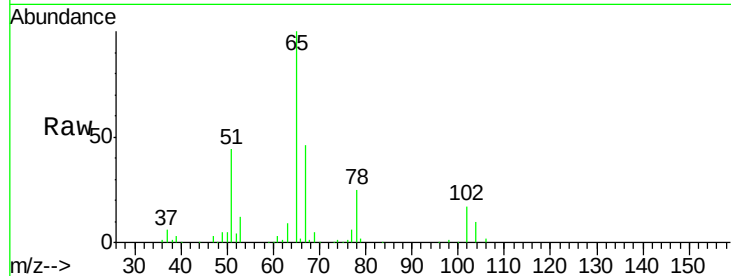




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 6.04 min Scan# 590
 Delta R.T. 0.03 min
 Lab File: VD058355.D
 Acq: 23 Jun 2018 21:56

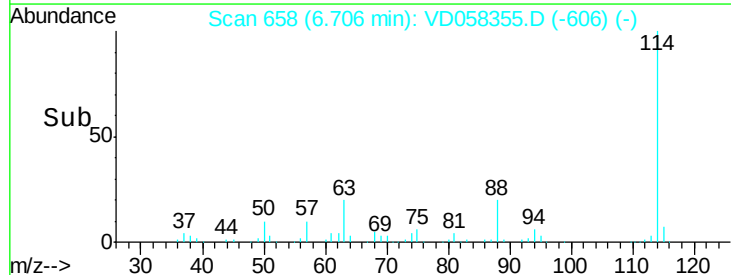
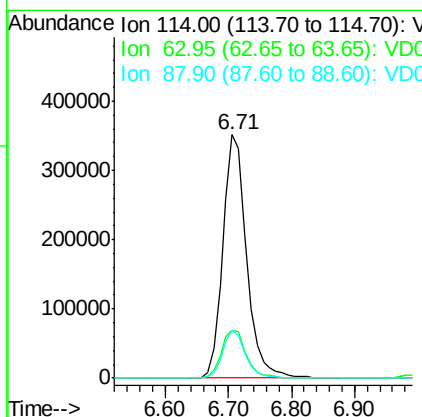
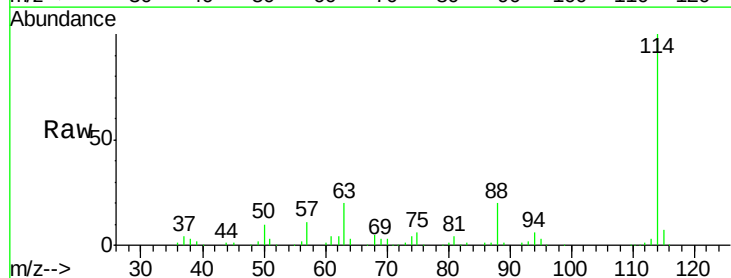
Instrument :
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 WP021SB478-17-19-180621

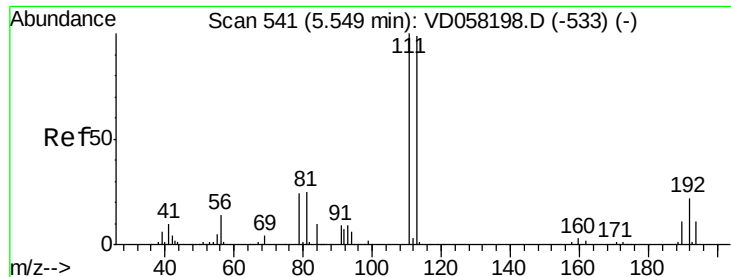
Tot Ion: 65 Resp: 438720
 Ion Ratio Lower Upper
 65 100
 67 46.0 0.0 97.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.71 min Scan# 658
 Delta R.T. 0.02 min
 Lab File: VD058355.D
 Acq: 23 Jun 2018 21:56

Tgt Ion: 114 Resp: 917195
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 42.6
 88 19.6 0.0 40.6





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.56 min Scan# 542

Delta R.T. 0.02 min

Lab File: VD058355.D

Acq: 23 Jun 2018 21:56

Instrument :

MSVOA_D

ClientSampleId :

WP021SB478-17-19-180621

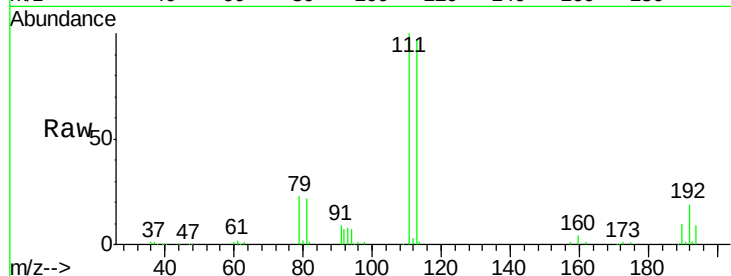
Tot Ion:113 Resp: 436301

Ion Ratio Lower Upper

113 100

111 103.5 80.6 121.0

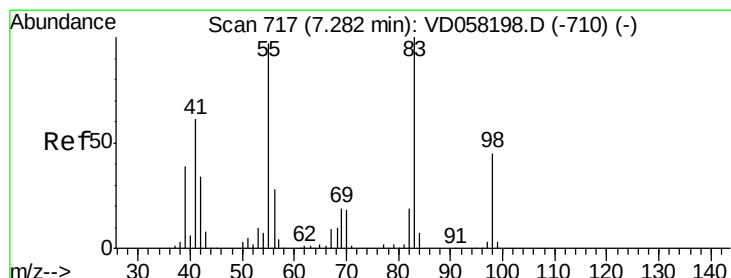
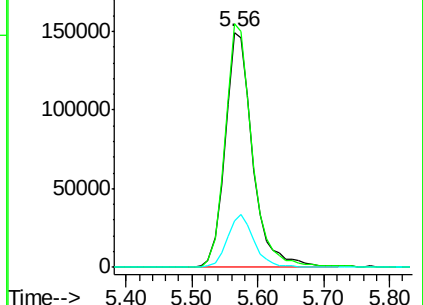
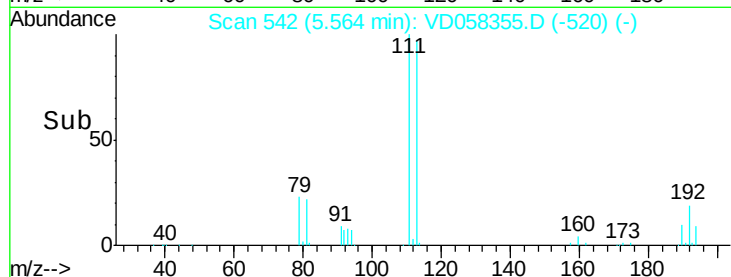
192 19.9 17.8 26.6



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



#39

Methylcyclohexane

Concen: 3.35 ug/l

RT: 7.30 min Scan# 718

Delta R.T. 0.02 min

Lab File: VD058355.D

Acq: 23 Jun 2018 21:56

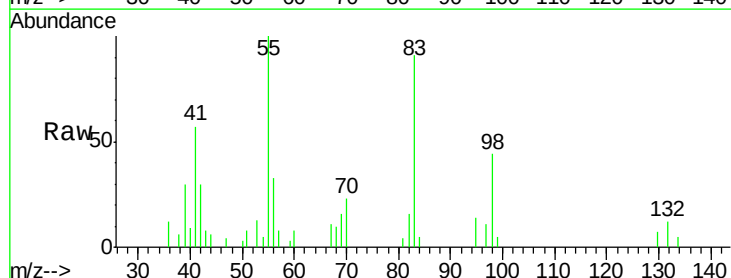
Tgt Ion: 83 Resp: 29587

Ion Ratio Lower Upper

83 100

55 110.2 77.4 116.2

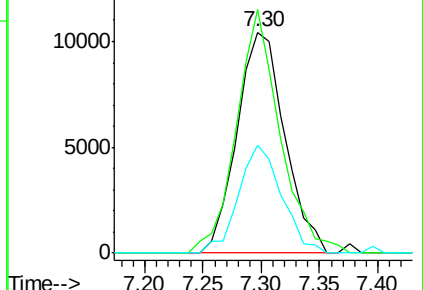
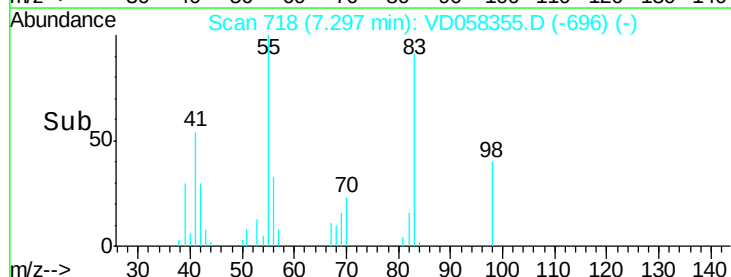
98 48.8 35.9 53.9

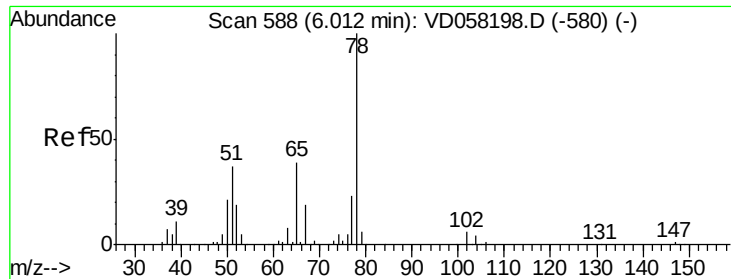


Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC





#40

Benzene

Concen: 5.29 ug/l

RT: 6.04 min Scan# 590

Delta R.T. 0.03 min

Lab File: VD058355.D

Acq: 23 Jun 2018 21:56

Instrument :

MSVOA_D

ClientSampleId :

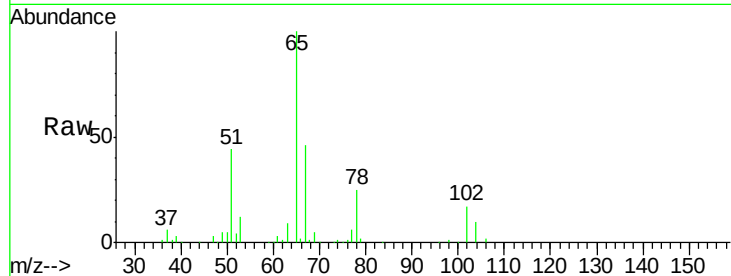
WP021SB478-17-19-180621

Tot Ion: 78 Resp: 114338

Ion Ratio Lower Upper

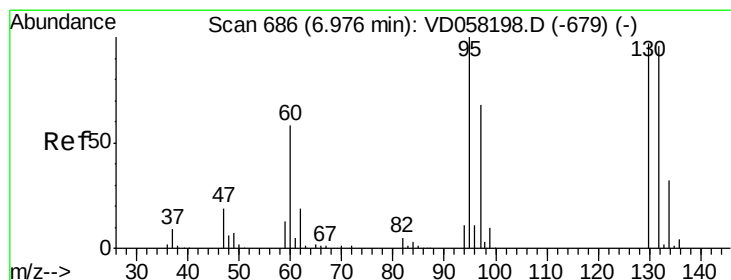
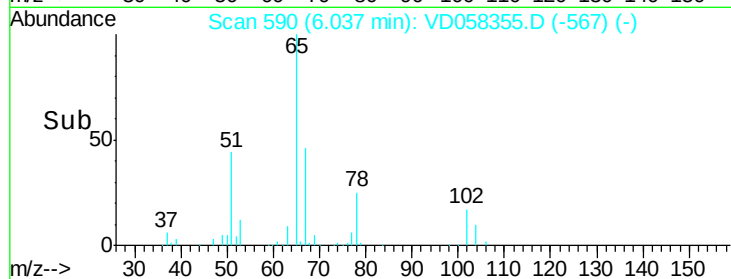
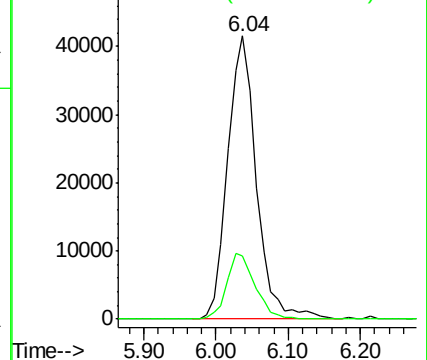
78 100

77 22.5 18.5 27.7



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC



#44

Trichloroethene

Concen: 423.16 ug/l

RT: 7.00 min Scan# 688

Delta R.T. 0.03 min

Lab File: VD058355.D

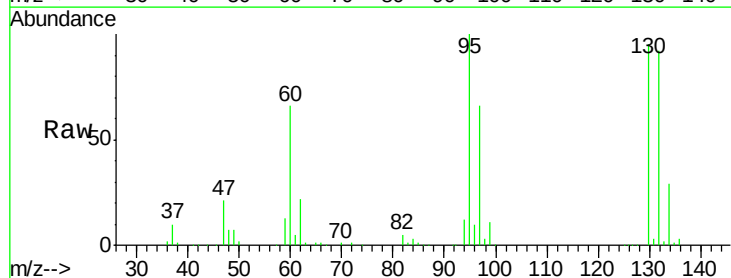
Acq: 23 Jun 2018 21:56

Tgt Ion:130 Resp: 2746366

Ion Ratio Lower Upper

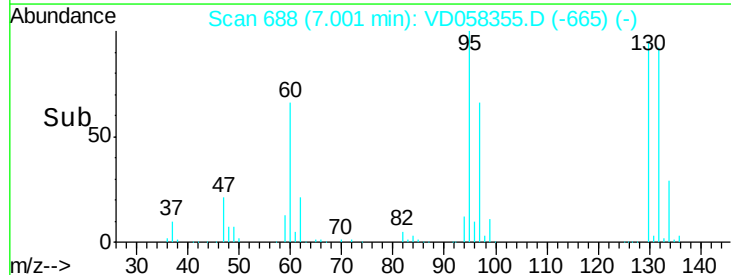
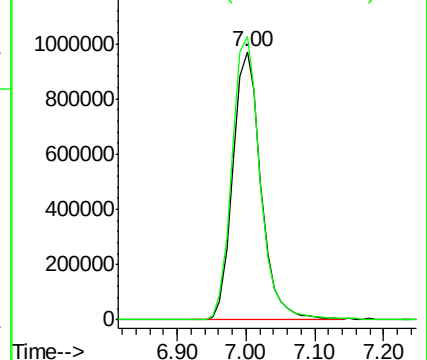
130 100

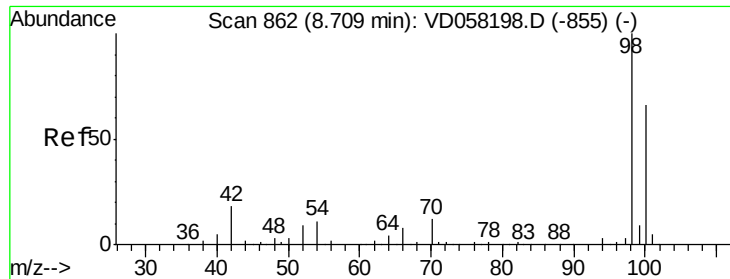
95 105.5 0.0 205.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

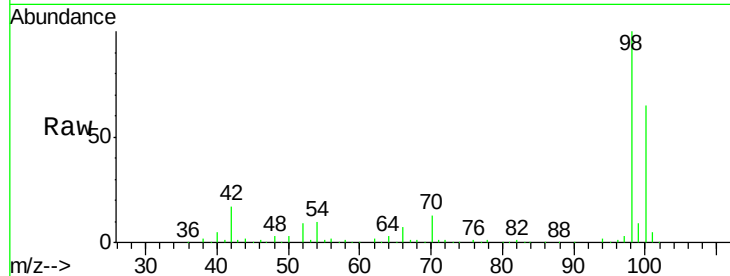




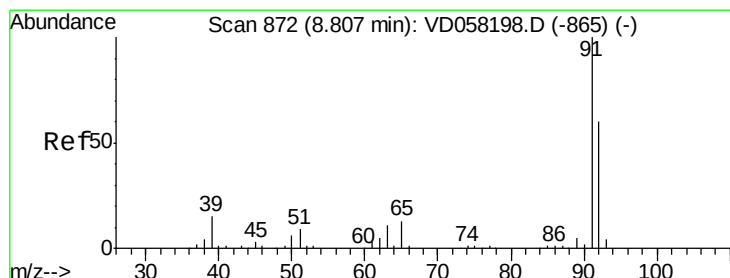
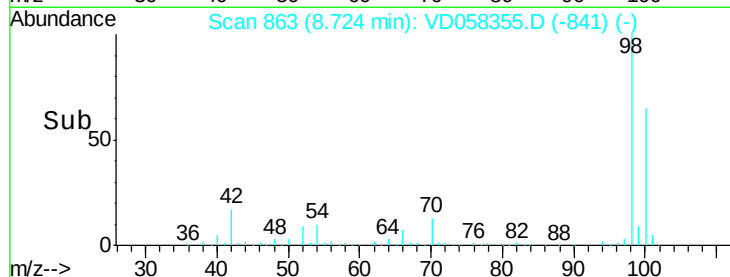
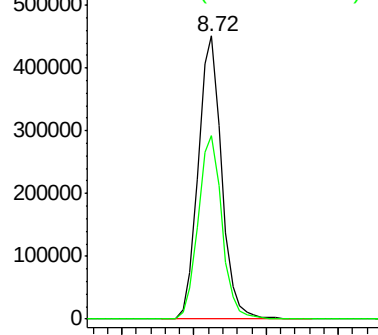
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.72 min Scan# 863
Delta R.T. 0.02 min
Lab File: VD058355.D
Acq: 23 Jun 2018 21:56

Instrument :
MSVOA_D
ClientSampleId :
WP021SB478-17-19-180621

Tot Ion: 98 Resp: 1016434
Ion Ratio Lower Upper
98 100
100 65.0 53.6 80.4

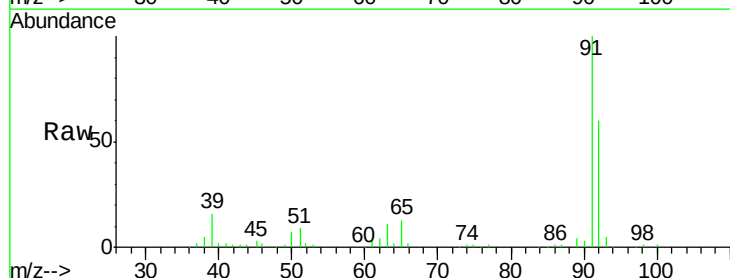


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

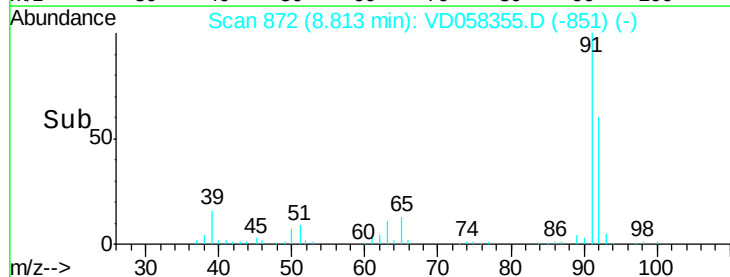
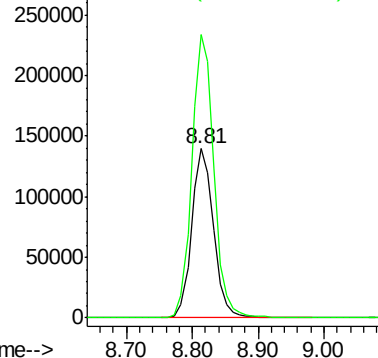


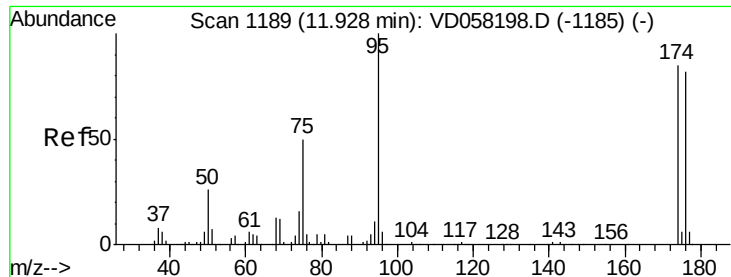
#52
Toluene
Concen: 26.17 ug/l
RT: 8.81 min Scan# 872
Delta R.T. 0.01 min
Lab File: VD058355.D
Acq: 23 Jun 2018 21:56

Tgt Ion: 92 Resp: 322059
Ion Ratio Lower Upper
92 100
91 167.2 133.2 199.8



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC

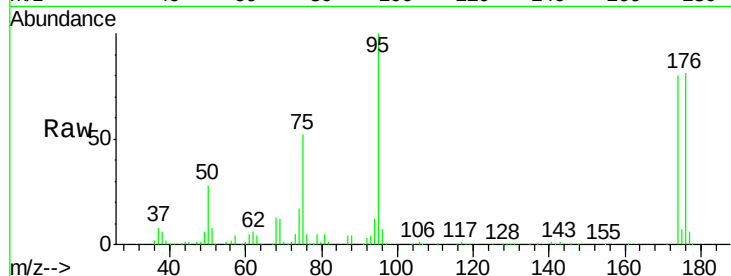




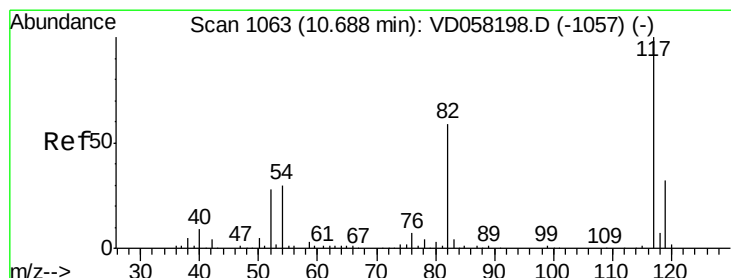
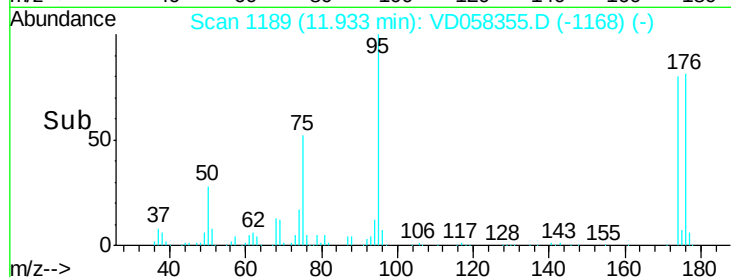
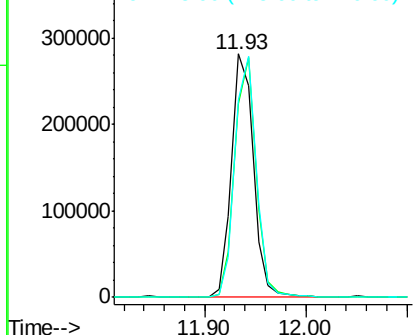
#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 11.93 min Scan# 1189
Delta R.T. 0.01 min
Lab File: VD058355.D
Acq: 23 Jun 2018 21:56

Instrument :
MSVOA_D
ClientSampleId :
WP021SB478-17-19-180621

Tot Ion: 95 Resp: 427181
Ion Ratio Lower Upper
95 100
174 79.8 0.0 170.2
176 81.2 0.0 164.6

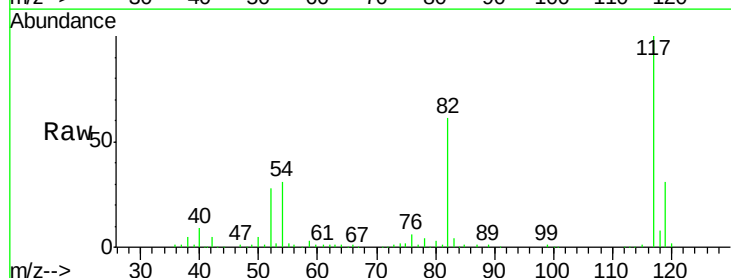


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

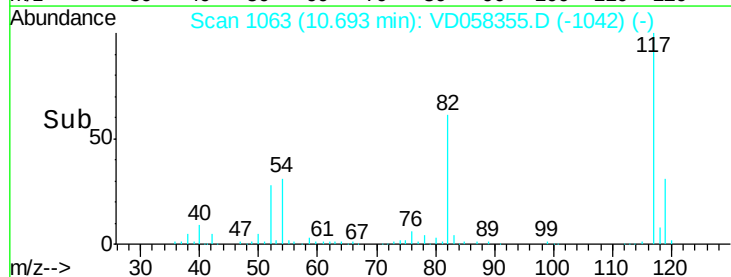
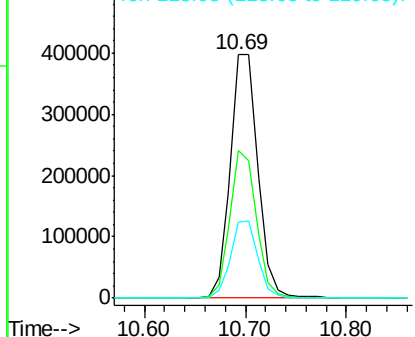


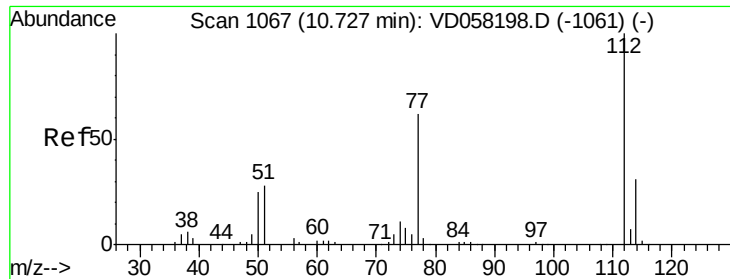
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. 0.01 min
Lab File: VD058355.D
Acq: 23 Jun 2018 21:56

Tgt Ion: 117 Resp: 753903
Ion Ratio Lower Upper
117 100
82 60.7 47.0 70.6
119 31.1 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

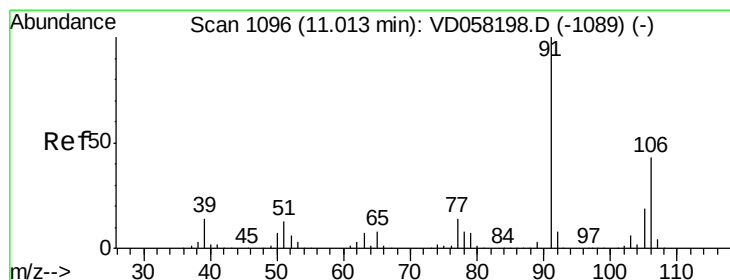
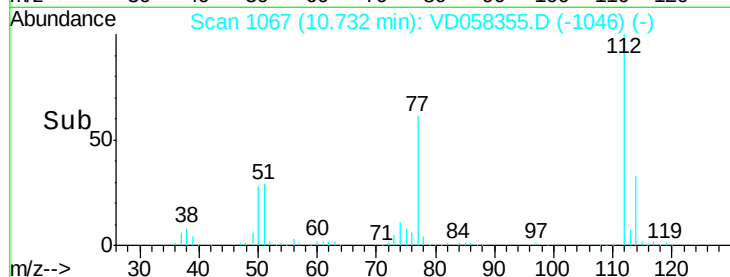
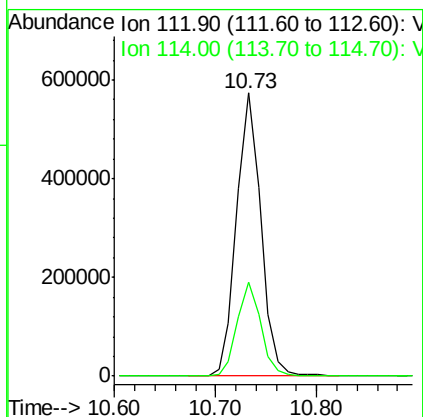
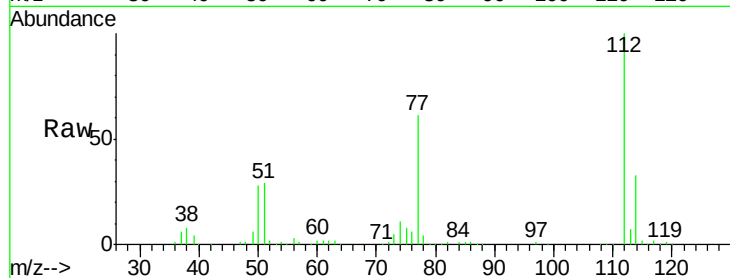




#65
Chlorobenzene
Concen: 68.32 ug/l
RT: 10.73 min Scan# 1067
Delta R.T. 0.01 min
Lab File: VD058355.D
Acq: 23 Jun 2018 21:56

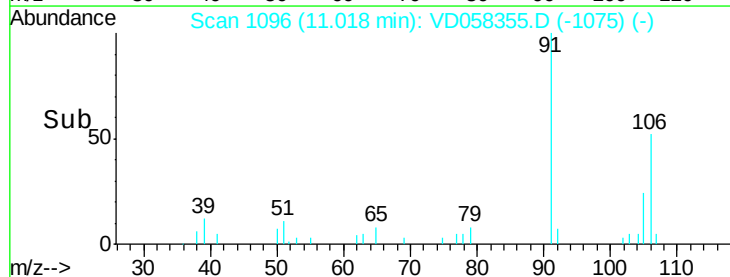
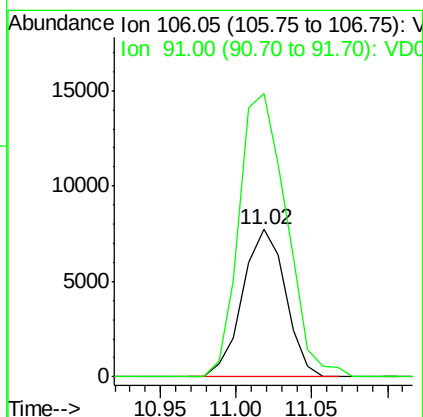
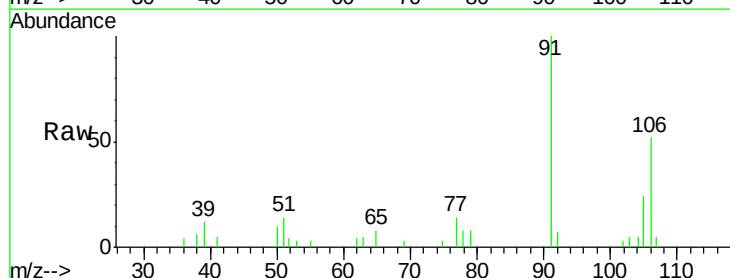
Instrument :
MSVOA_D
ClientSampleId :
WP021SB478-17-19-180621

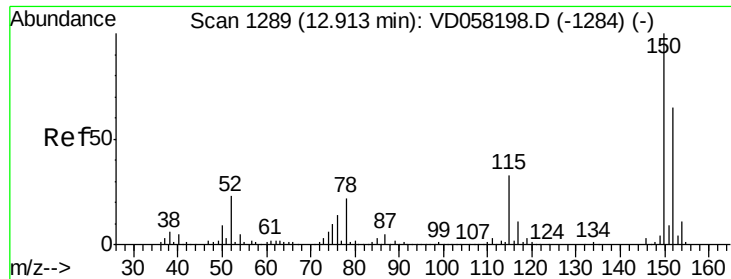
Tot Ion:112 Resp: 963446
Ion Ratio Lower Upper
112 100
114 33.0 25.0 37.4



#68
m/p-Xylenes
Concen: 1.84 ug/l
RT: 11.02 min Scan# 1096
Delta R.T. 0.01 min
Lab File: VD058355.D
Acq: 23 Jun 2018 21:56

Tgt Ion:106 Resp: 15260
Ion Ratio Lower Upper
106 100
91 192.2 185.0 277.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VD058355.D

Acq: 23 Jun 2018 21:56

Instrument :

MSVOA_D

ClientSampleId :

WP021SB478-17-19-180621

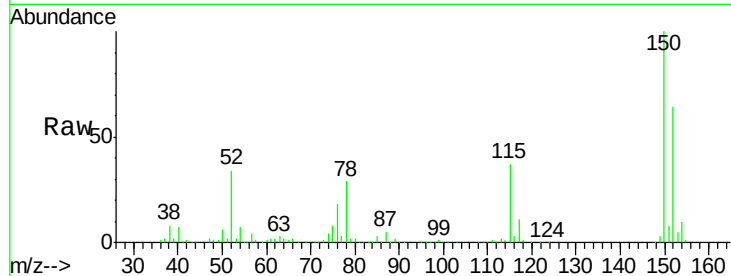
Tot Ion:152 Resp: 392480

Ion Ratio Lower Upper

152 100

115 57.3 25.1 75.3

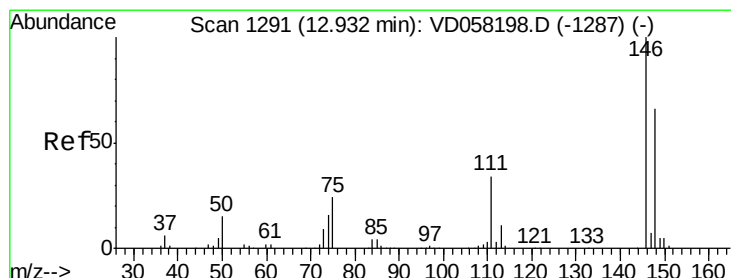
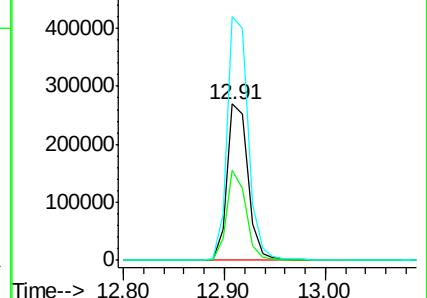
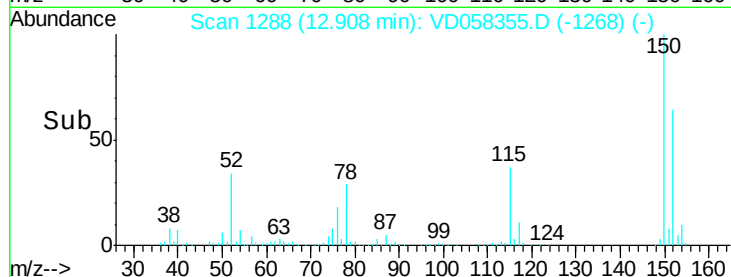
150 155.7 0.0 308.8



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



#88

1,4-Dichlorobenzene

Concen: 1.82 ug/l

RT: 12.93 min Scan# 1290

Delta R.T. -0.00 min

Lab File: VD058355.D

Acq: 23 Jun 2018 21:56

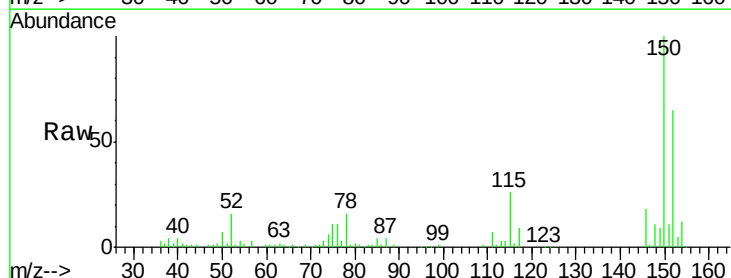
Tgt Ion:146 Resp: 21771

Ion Ratio Lower Upper

146 100

111 41.5 17.2 51.5

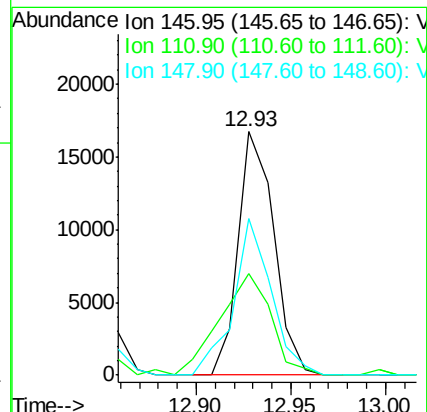
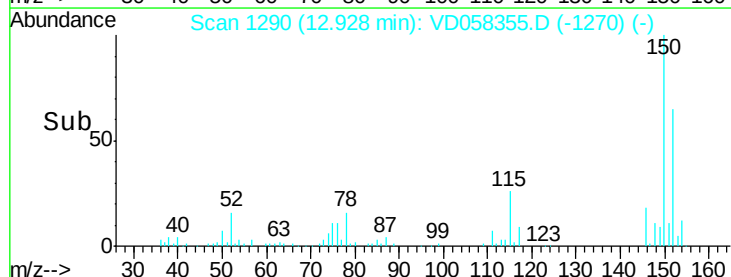
148 64.2 33.1 99.3

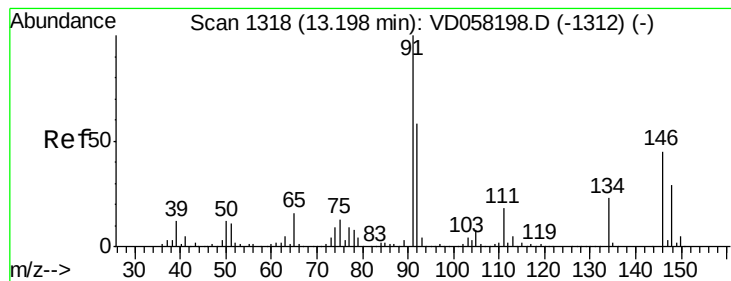


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#91
 1,2-Dichlorobenzene
 Concen: 5.38 ug/l
 RT: 13.19 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VD058355.D
 Acq: 23 Jun 2018 21:56

Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB478-17-19-180621

Tot Ion:146 Resp: 55910
 Ion Ratio Lower Upper
 146 100
 111 41.4 19.6 58.7
 148 60.3 32.0 96.2

