

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061418\
 Data File : VD058138.D
 Acq On : 14 Jun 2018 16:23
 Operator : VA/AP
 Sample : J3239-09
 Misc : 5.49g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 15 06:04:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	573519	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.70	114	780959	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.70	117	590805	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.91	152	262753	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	307507	53.63	ug/l	0.00
Spiked Amount			Recovery	=	107.26%	
35) Dibromofluoromethane	5.56	113	309858	51.28	ug/l	0.00
Spiked Amount			Recovery	=	102.56%	
50) Toluene-d8	8.72	98	638469	44.44	ug/l	0.01
Spiked Amount			Recovery	=	88.88%	
62) 4-Bromofluorobenzene	11.94	95	247579	39.51	ug/l	0.01
Spiked Amount			Recovery	=	79.02%	

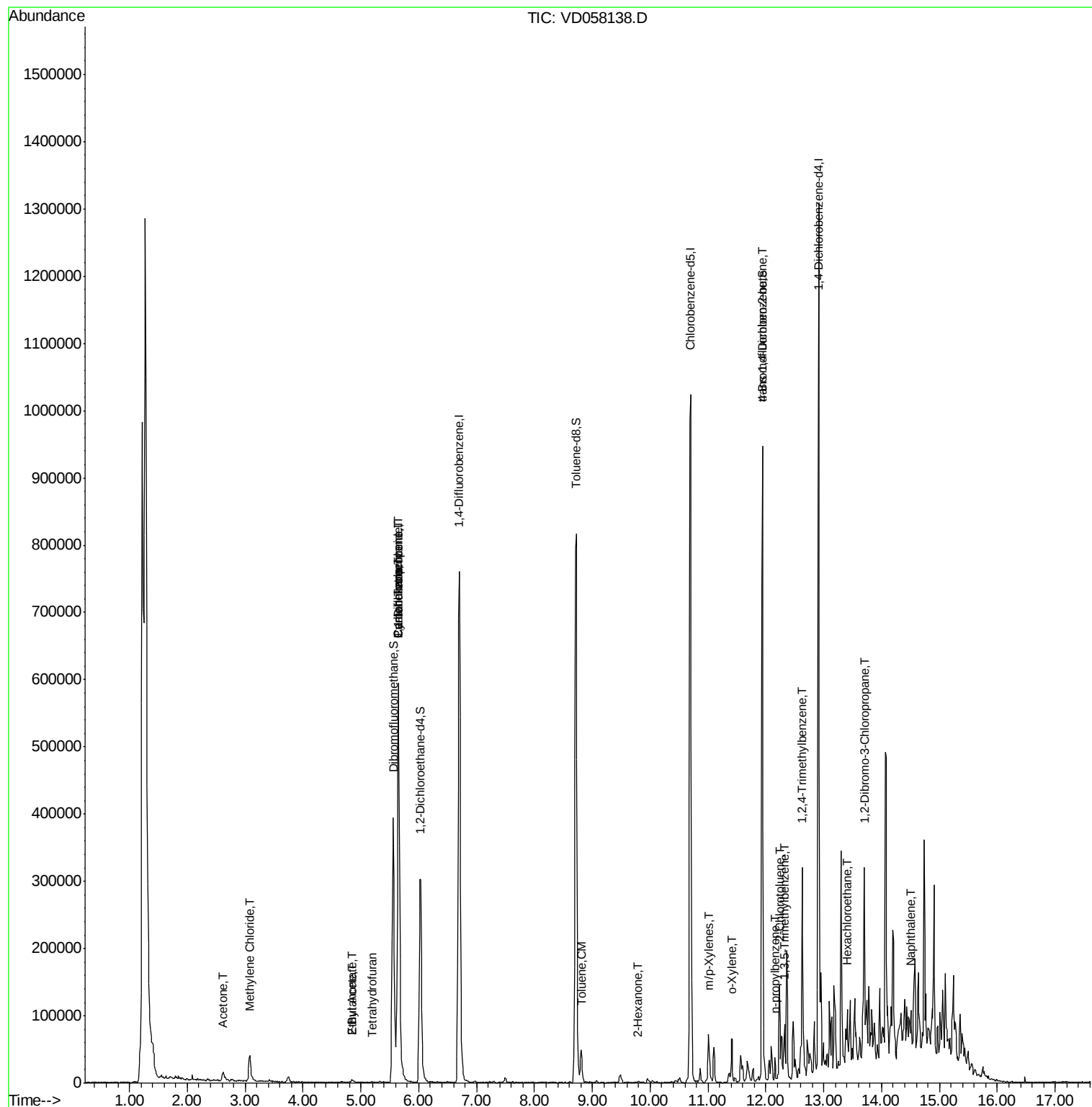
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.62	43	27969	33.857	ug/l	98
20) Methylene Chloride	3.08	84	20204	2.647	ug/l #	88
25) 2-Butanone	4.86	43	5605	2.986	ug/l #	64
29) Tetrahydrofuran	5.20	42	995	1.011	ug/l #	39
31) Cyclohexane	5.65	56	12407	1.244	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	47692	5.543	ug/l #	53
37) Ethyl Acetate	4.86	43	5605	1.194	ug/l #	72
38) Carbon Tetrachloride	5.65	117	49698	5.861	ug/l #	17
52) Toluene	8.81	92	20822	1.805	ug/l	98
59) 2-Hexanone	9.80	43	3022	1.045	ug/l #	31
68) m/p-Xylenes	11.01	106	19808	2.812	ug/l	75
69) o-Xylene	11.42	106	12774	1.827	ug/l	96
78) n-propylbenzene	12.15	91	23301	1.029	ug/l	97
79) 2-Chlorotoluene	12.23	91	12945	1.002	ug/l #	45
80) 1,3,5-Trimethylbenzene	12.32	105	27925	2.057	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.93	75	117281	119.969	ug/l #	6
82) 4-Chlorotoluene	12.32	91	4117	Below Cal	#	50
84) 1,2,4-Trimethylbenzene	12.63	105	113980	7.811	ug/l	100
89) n-Butylbenzene	13.20	91	25112	Below Cal		94
90) Hexachloroethane	13.40	117	4596	1.208	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	13.70	75	10083	17.218	ug/l #	11
95) Naphthalene	14.52	128	16347	1.927	ug/l #	86

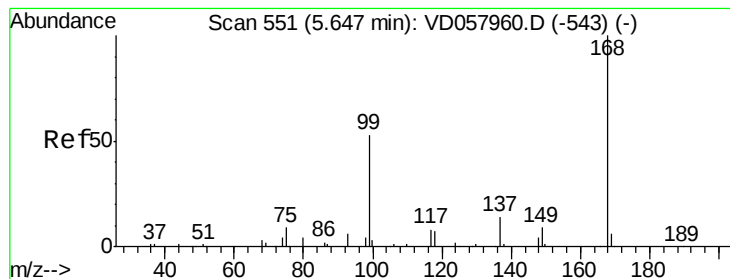
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061418\
Data File : VD058138.D
Acq On : 14 Jun 2018 16:23
Operator : VA/AP
Sample : J3239-09
Misc : 5.49g/5ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jun 15 06:04:40 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 07 08:57:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 551

Delta R.T. 0.00 min

Lab File: VD058138.D

Acq: 14 Jun 2018 16:23

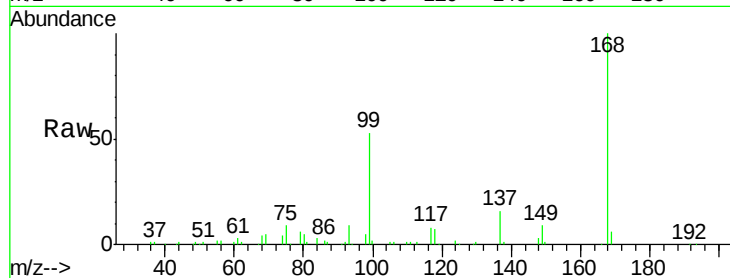
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 573519

Ion Ratio Lower Upper

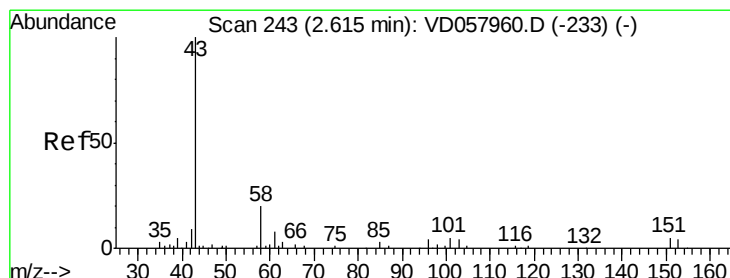
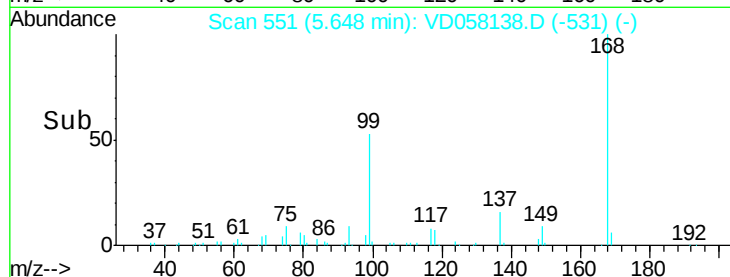
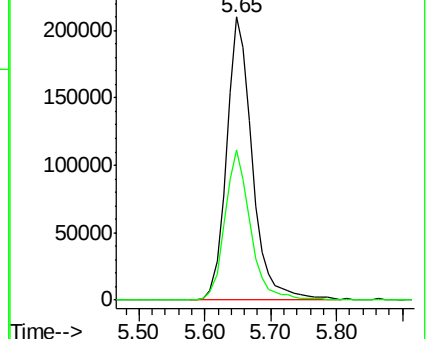
168 100

99 53.2 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 33.857 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.00 min

Lab File: VD058138.D

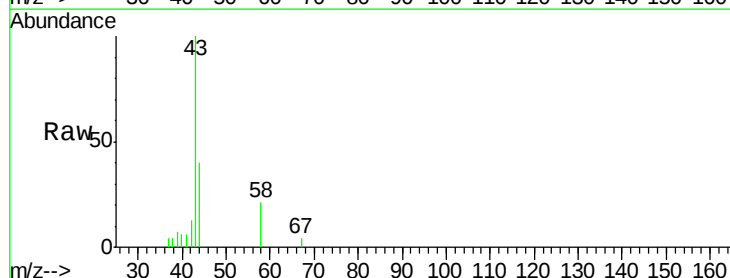
Acq: 14 Jun 2018 16:23

Tgt Ion: 43 Resp: 27969

Ion Ratio Lower Upper

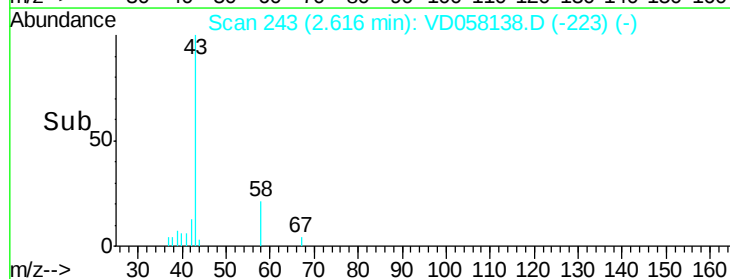
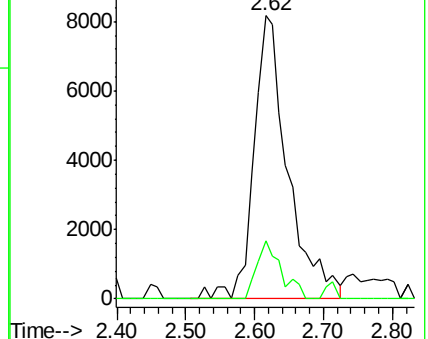
43 100

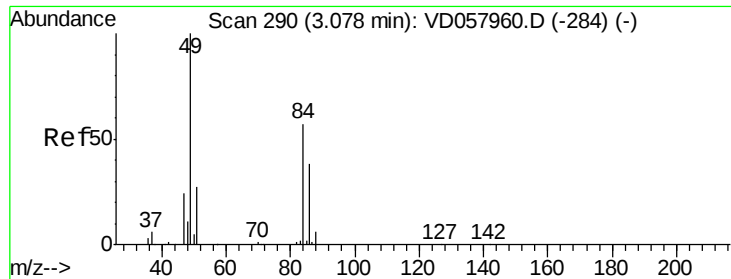
58 20.7 15.8 23.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

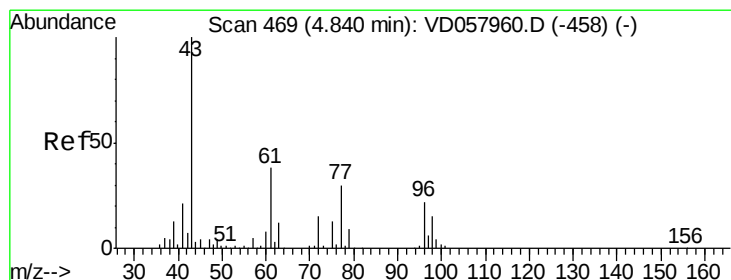
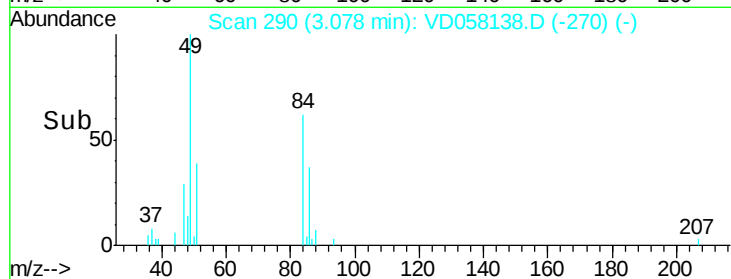
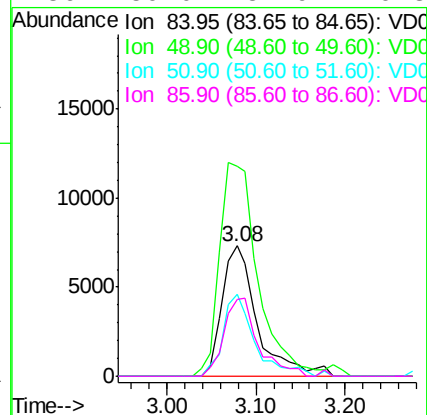
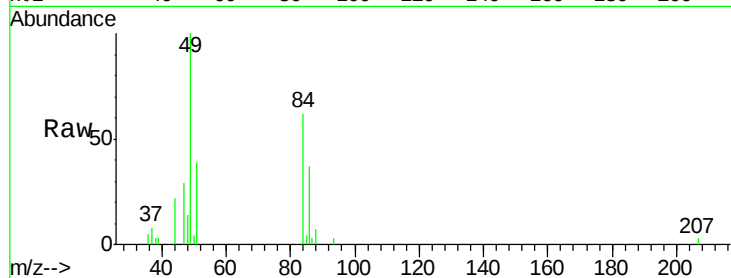




#20
Methylene Chloride
Concen: 2.647 ug/l
RT: 3.08 min Scan# 290
Delta R.T. 0.00 min
Lab File: VD058138.D
Acq: 14 Jun 2018 16:23

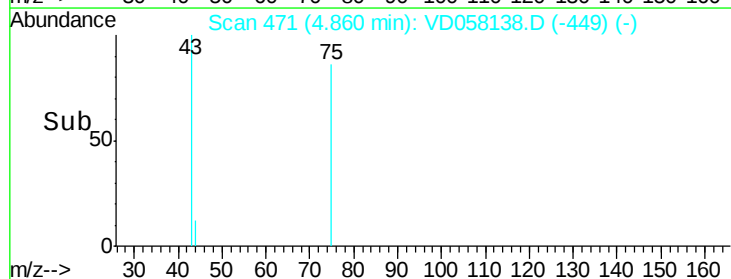
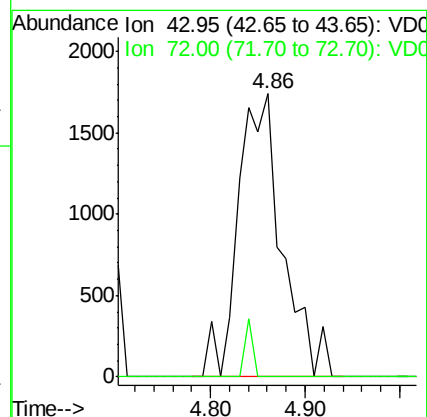
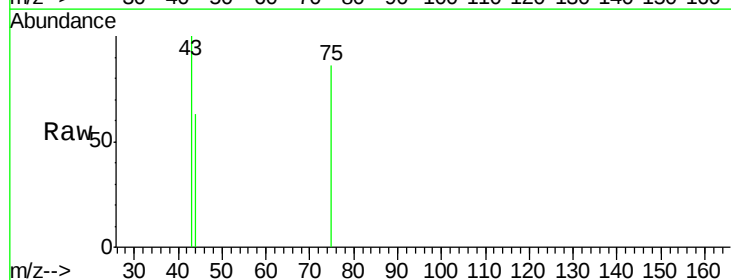
Instrument :
MSVOA_D
ClientSampleId :

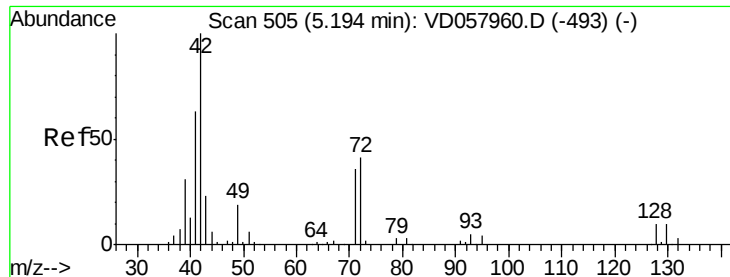
Tot Ion: 84 Resp: 20204
Ion Ratio Lower Upper
84 100
49 161.4 141.4 212.0
51 62.7 38.3 57.5#
86 59.0 52.9 79.3



#25
2-Butanone
Concen: 2.986 ug/l
RT: 4.86 min Scan# 471
Delta R.T. 0.02 min
Lab File: VD058138.D
Acq: 14 Jun 2018 16:23

Tgt Ion: 43 Resp: 5605
Ion Ratio Lower Upper
43 100
72 0.0 12.0 18.0#

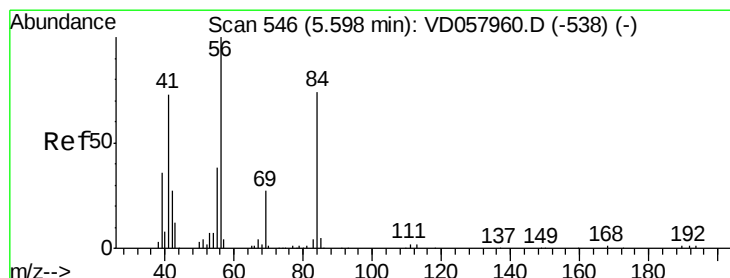
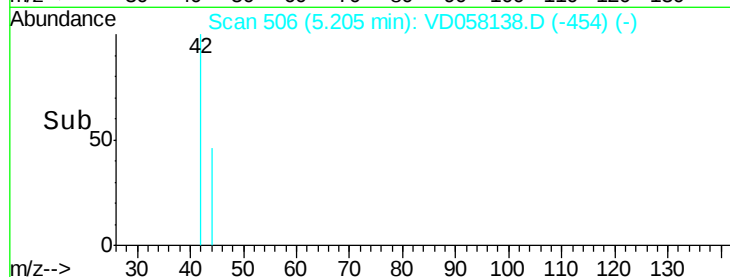
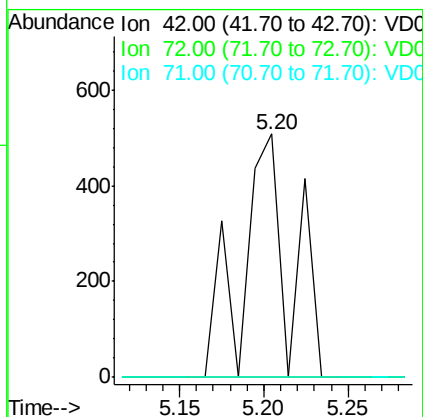
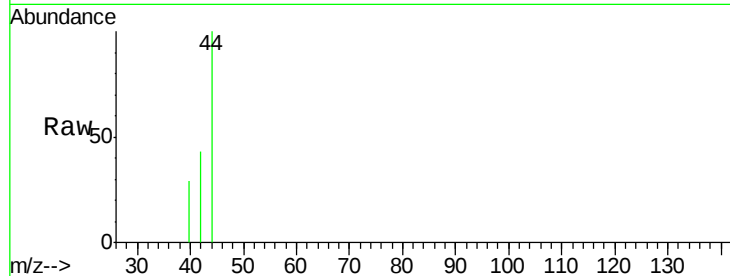




#29
Tetrahydrofuran
Concen: 1.011 ug/l
RT: 5.20 min Scan# 506
Delta R.T. 0.01 min
Lab File: VD058138.D
Acq: 14 Jun 2018 16:23

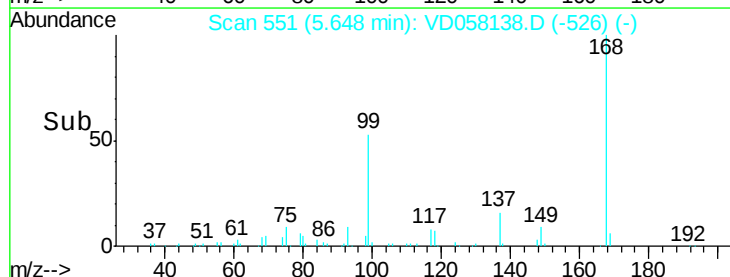
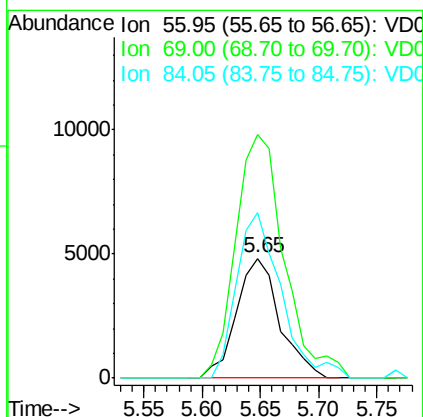
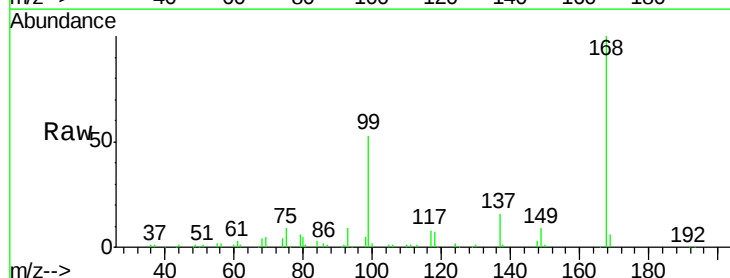
Instrument :
MSVOA_D
ClientSampleId :

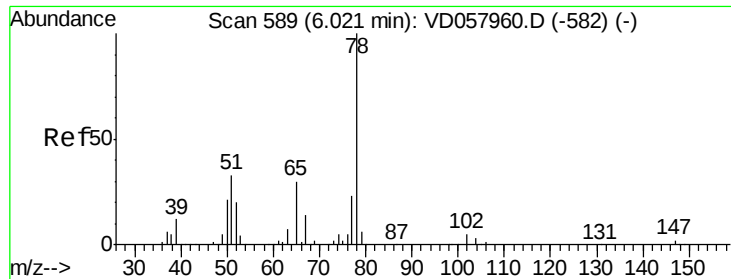
Tot Ion: 42 Resp: 995
Ion Ratio Lower Upper
42 100
72 0.0 28.5 42.7#
71 0.0 27.9 41.9#



#31
Cyclohexane
Concen: 1.244 ug/l
RT: 5.65 min Scan# 551
Delta R.T. 0.05 min
Lab File: VD058138.D
Acq: 14 Jun 2018 16:23

Tgt Ion: 56 Resp: 12407
Ion Ratio Lower Upper
56 100
69 203.3 21.5 32.3#
84 138.3 61.0 91.6#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.02 min Scan# 589

Delta R.T. 0.00 min

Lab File: VD058138.D

Acq: 14 Jun 2018 16:23

Instrument :

MSVOA_D

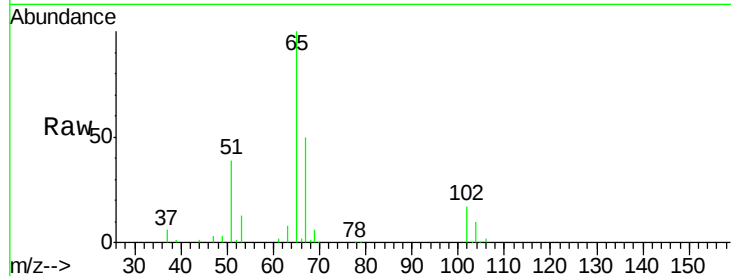
ClientSampleId :

Tot Ion: 65 Resp: 307507

Ion Ratio Lower Upper

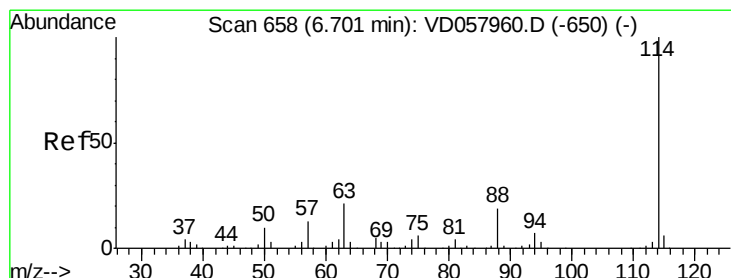
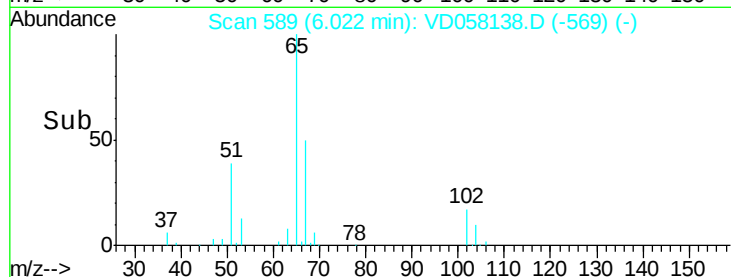
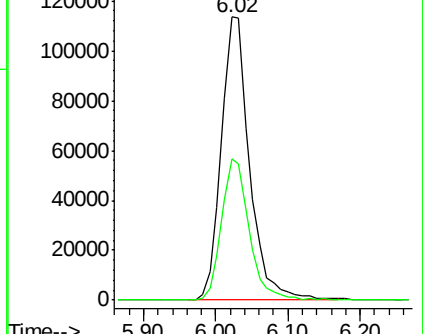
65 100

67 49.8 0.0 94.0



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: 6.70 min Scan# 658

Delta R.T. 0.00 min

Lab File: VD058138.D

Acq: 14 Jun 2018 16:23

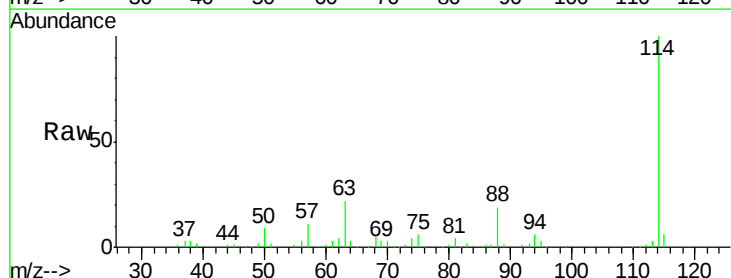
Tgt Ion: 114 Resp: 780959

Ion Ratio Lower Upper

114 100

63 21.7 0.0 42.8

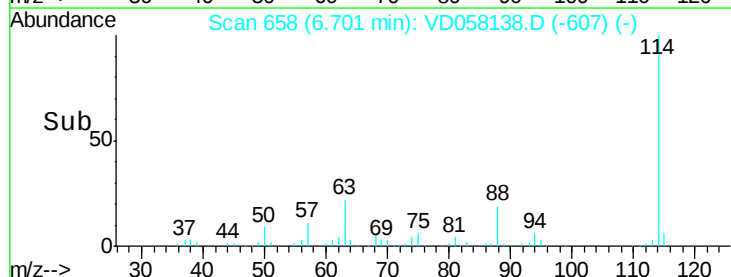
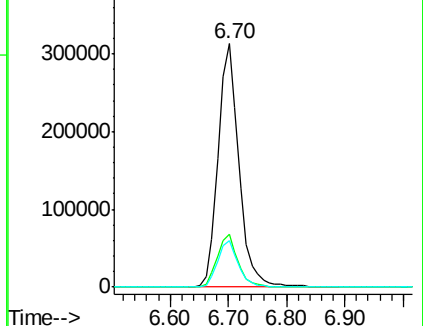
88 19.0 0.0 37.8

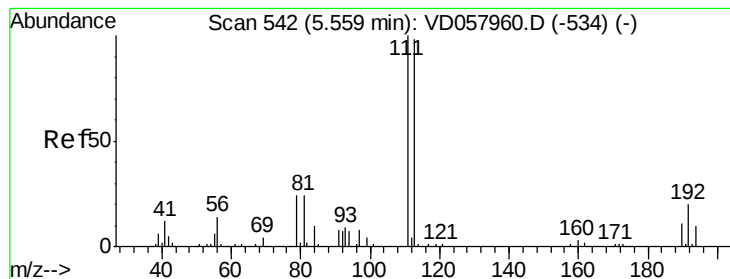


Abundance Ion 114.00 (113.70 to 114.70): V

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: 5.56 min Scan# 542

Delta R.T. 0.00 min

Lab File: VD058138.D

Acq: 14 Jun 2018 16:23

Instrument :
MSVOA_D
ClientSampled :

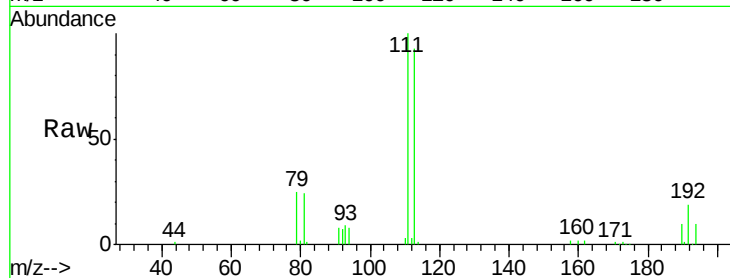
Tot Ion:113 Resp: 309858

Ion Ratio Lower Upper

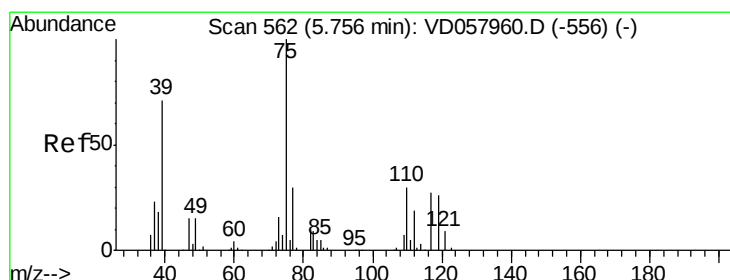
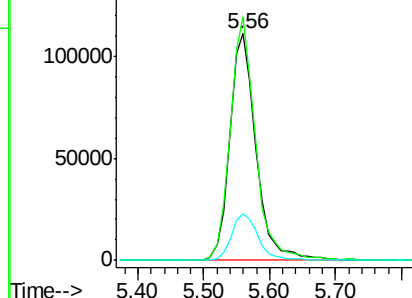
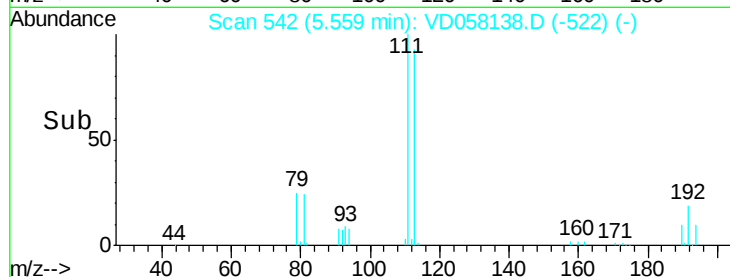
113 100

111 107.6 81.5 122.3

192 20.3 16.4 24.6



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



#36

1,1-Dichloropropene

Concen: 5.543 ug/l

RT: 5.65 min Scan# 551

Delta R.T. -0.11 min

Lab File: VD058138.D

Acq: 14 Jun 2018 16:23

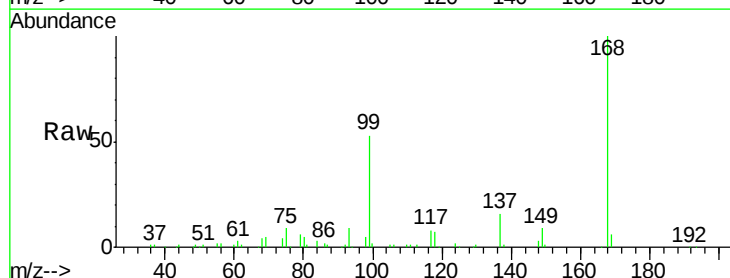
Tgt Ion: 75 Resp: 47692

Ion Ratio Lower Upper

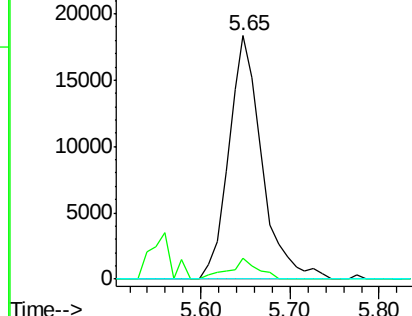
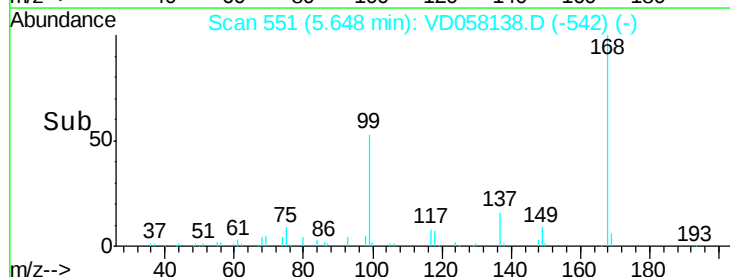
75 100

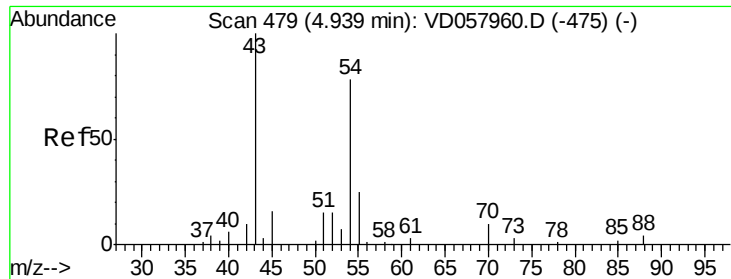
110 8.4 14.8 44.3#

77 0.0 23.9 35.9#



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

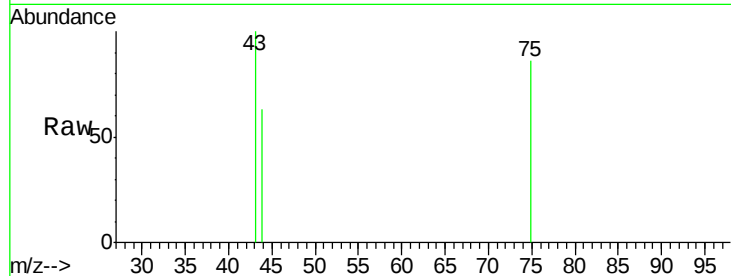




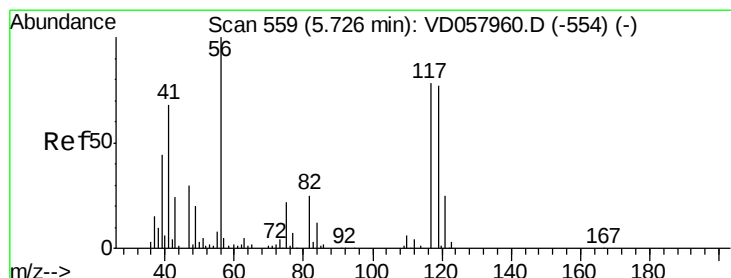
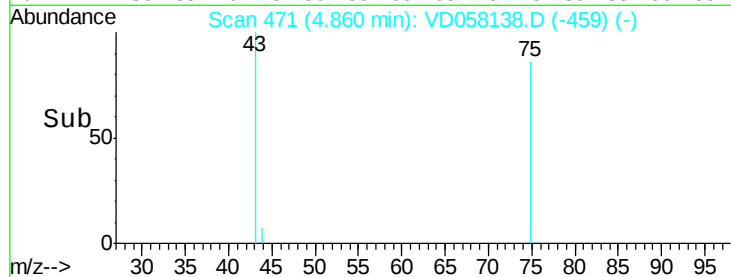
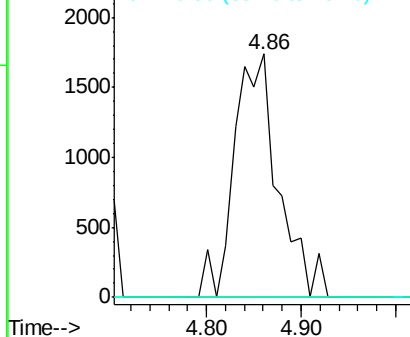
#37
Ethyl Acetate
Concen: 1.194 ug/l
RT: 4.86 min Scan# 471
Delta R.T. -0.08 min
Lab File: VD058138.D
Acq: 14 Jun 2018 16:23

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 5605
Ion Ratio Lower Upper
43 100
61 0.0 9.9 14.9#
70 0.0 5.7 8.5#

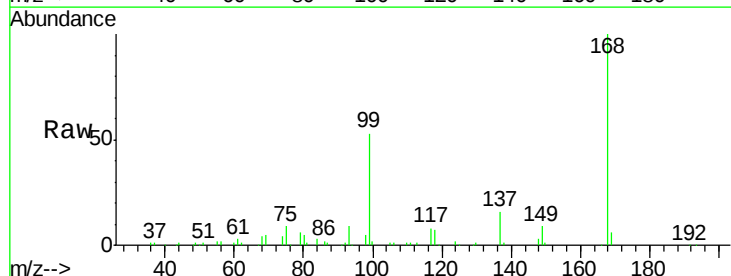


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

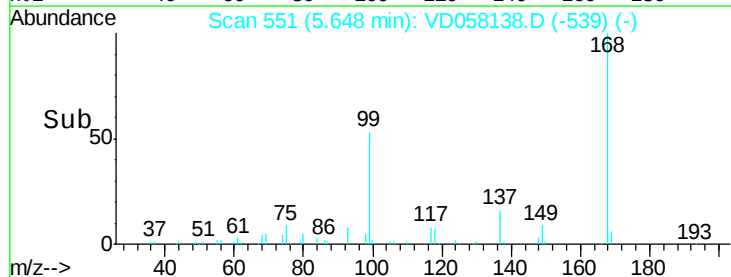
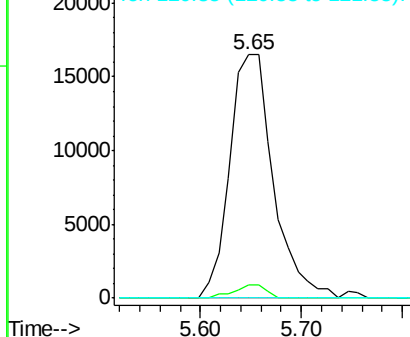


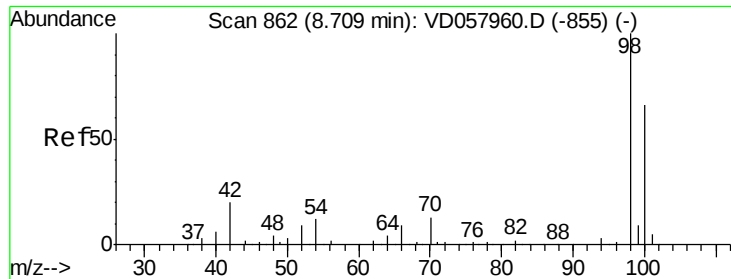
#38
Carbon Tetrachloride
Concen: 5.861 ug/l
RT: 5.65 min Scan# 551
Delta R.T. -0.08 min
Lab File: VD058138.D
Acq: 14 Jun 2018 16:23

Tgt Ion: 117 Resp: 49698
Ion Ratio Lower Upper
117 100
119 5.7 76.1 114.1#
121 0.0 24.9 37.3#



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

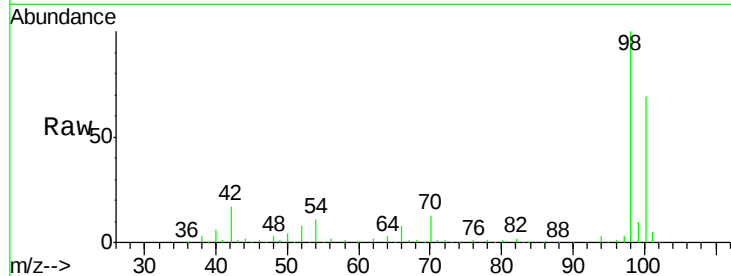




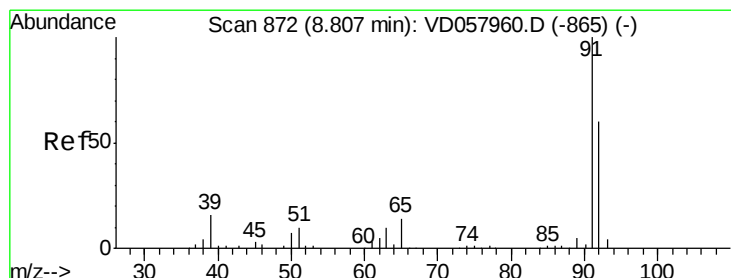
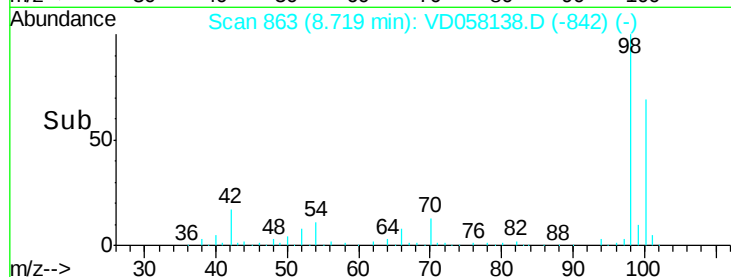
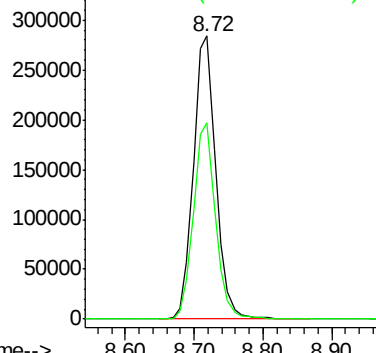
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.72 min Scan# 863
Delta R.T. 0.01 min
Lab File: VD058138.D
Acq: 14 Jun 2018 16:23

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 98 Resp: 638469
Ion Ratio Lower Upper
98 100
100 69.2 53.4 80.0

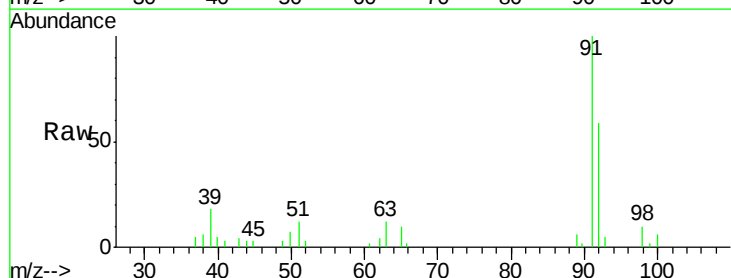


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

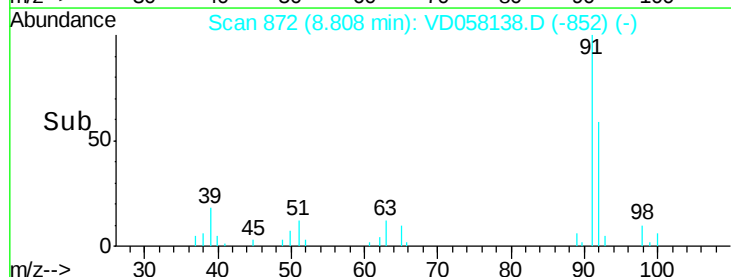
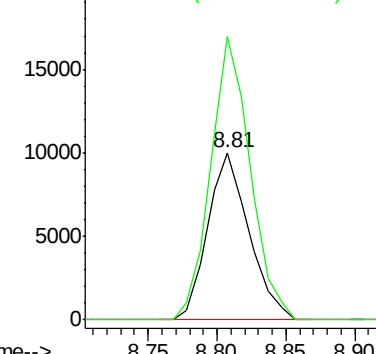


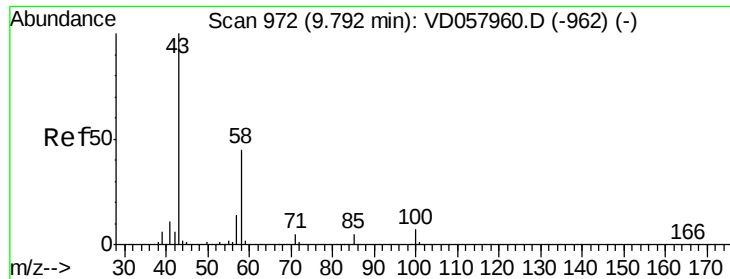
#52
Toluene
Concen: 1.805 ug/l
RT: 8.81 min Scan# 872
Delta R.T. 0.00 min
Lab File: VD058138.D
Acq: 14 Jun 2018 16:23

Tgt Ion: 92 Resp: 20822
Ion Ratio Lower Upper
92 100
91 169.0 133.0 199.6



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

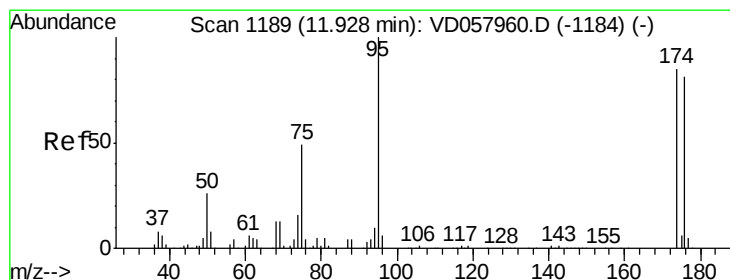
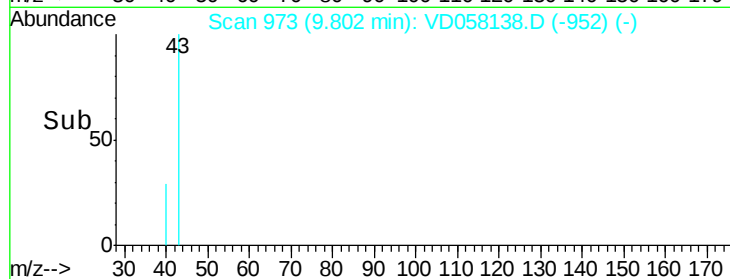
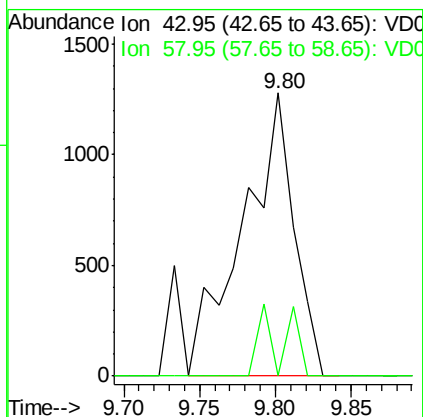
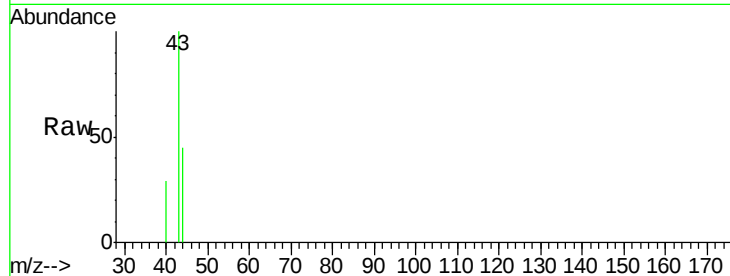




#59
2-Hexanone
Concen: 1.045 ug/l
RT: 9.80 min Scan# 973
Delta R.T. 0.01 min
Lab File: VD058138.D
Acq: 14 Jun 2018 16:23

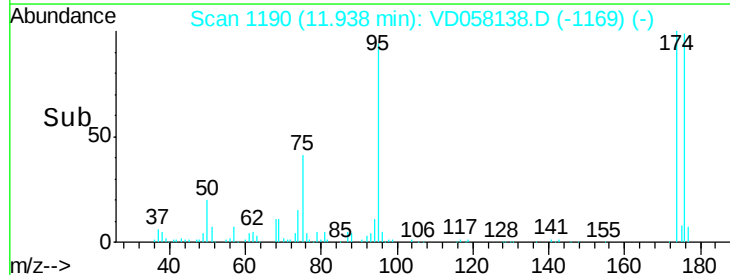
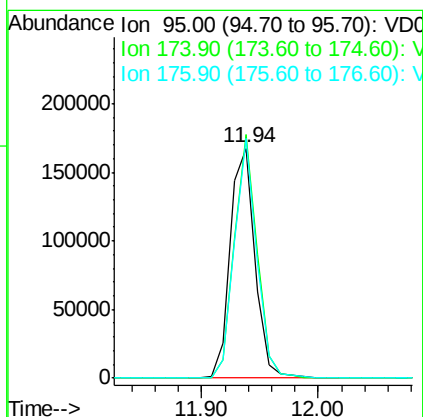
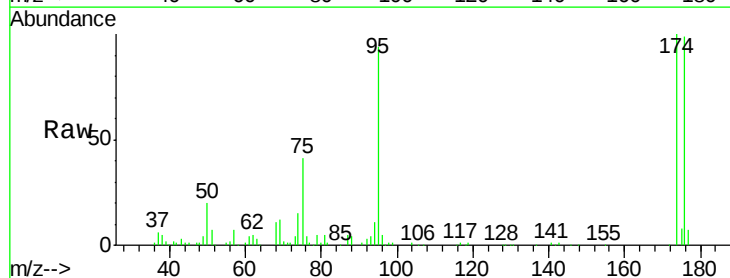
Instrument :
MSVOA_D
ClientSampleId :

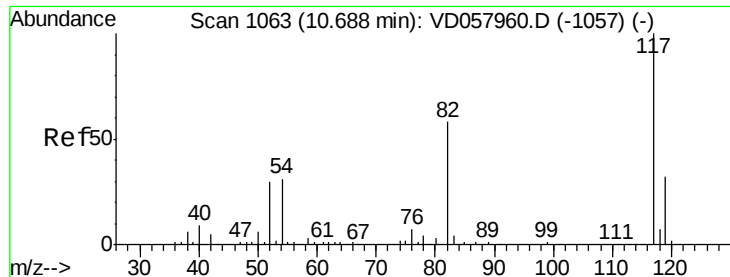
Tot Ion: 43 Resp: 3022
Ion Ratio Lower Upper
43 100
58 0.0 22.5 67.5#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.94 min Scan# 1190
Delta R.T. 0.01 min
Lab File: VD058138.D
Acq: 14 Jun 2018 16:23

Tgt Ion: 95 Resp: 247579
Ion Ratio Lower Upper
95 100
174 105.8 0.0 169.4
176 104.3 0.0 162.6

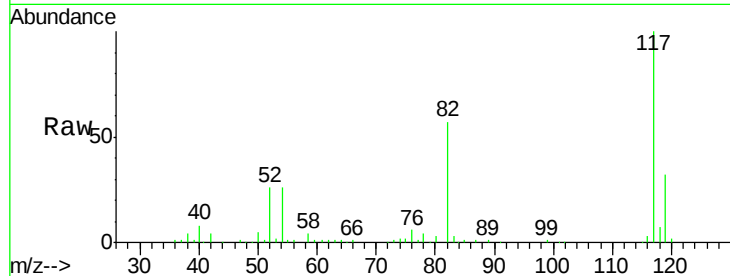




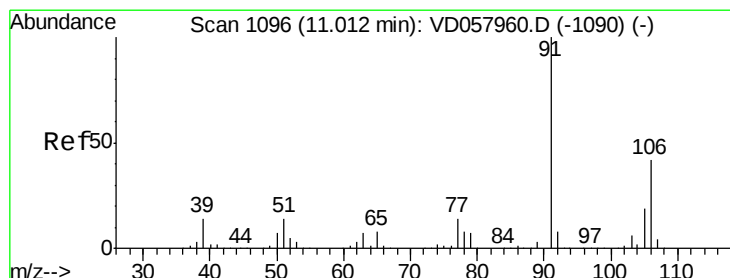
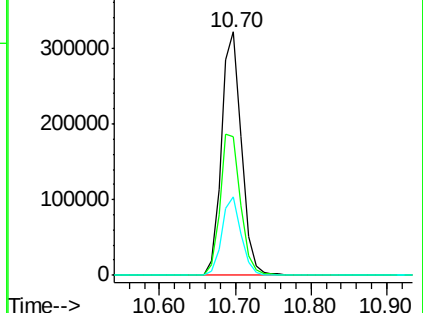
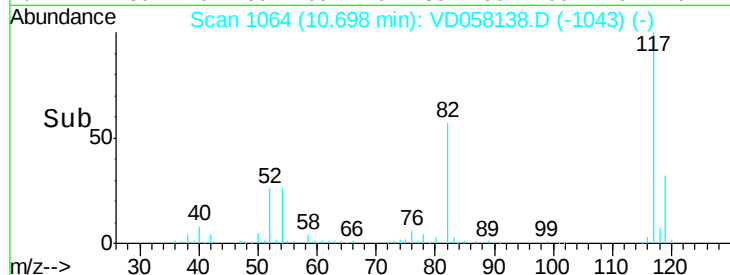
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD058138.D
Acq: 14 Jun 2018 16:23

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 590805
Ion Ratio Lower Upper
117 100
82 56.7 46.8 70.2
119 32.4 25.8 38.6

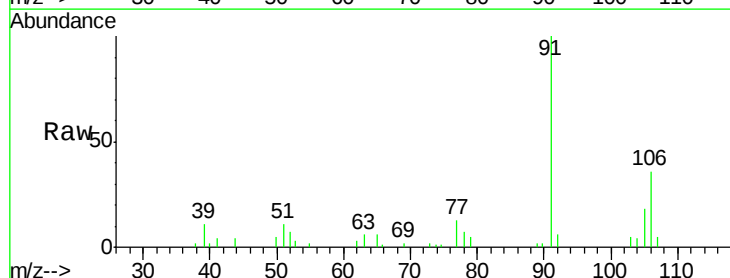


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

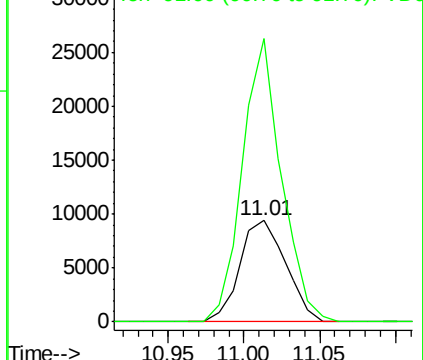
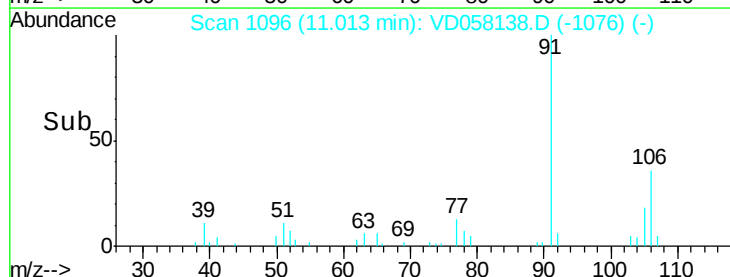


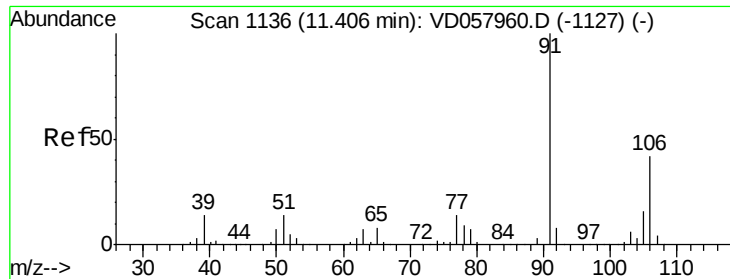
#68
m/p-Xylenes
Concen: 2.812 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VD058138.D
Acq: 14 Jun 2018 16:23

Tgt Ion:106 Resp: 19808
Ion Ratio Lower Upper
106 100
91 279.8 190.4 285.6



Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

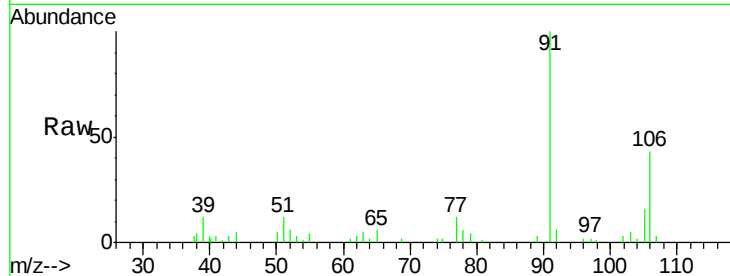




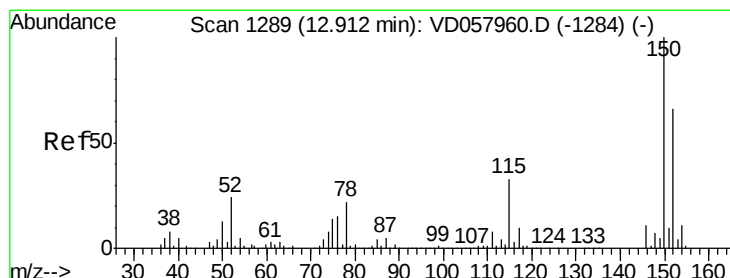
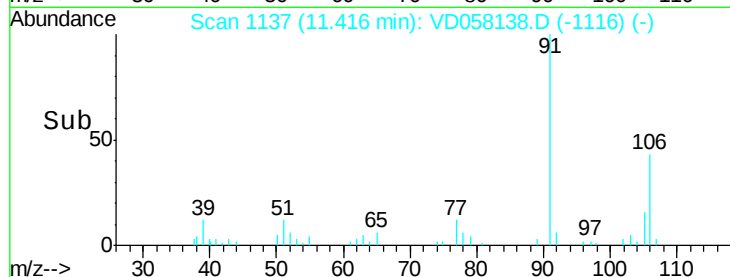
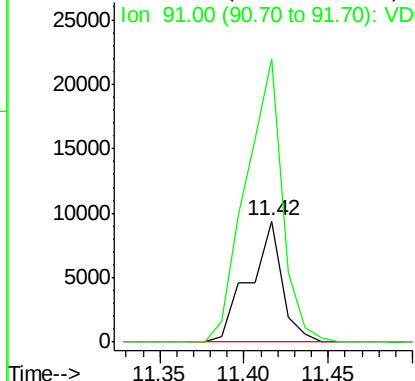
#69
o-Xylene
Concen: 1.827 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. 0.01 min
Lab File: VD058138.D
Acq: 14 Jun 2018 16:23

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 12774
Ion Ratio Lower Upper
106 100
91 233.4 120.6 361.7

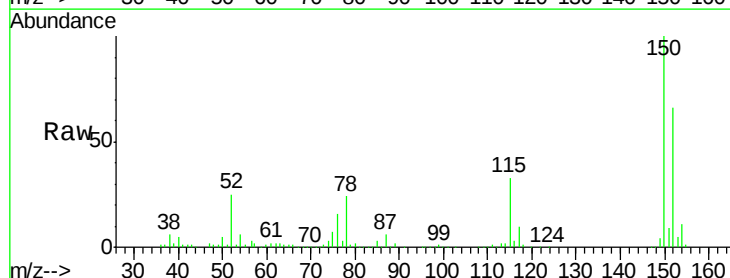


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

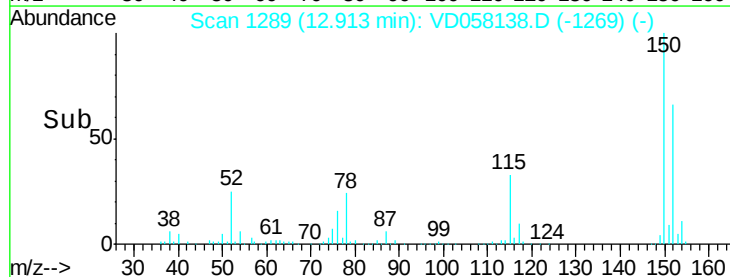
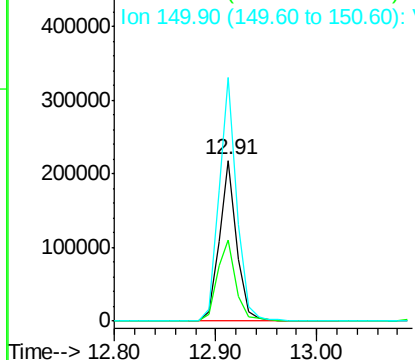


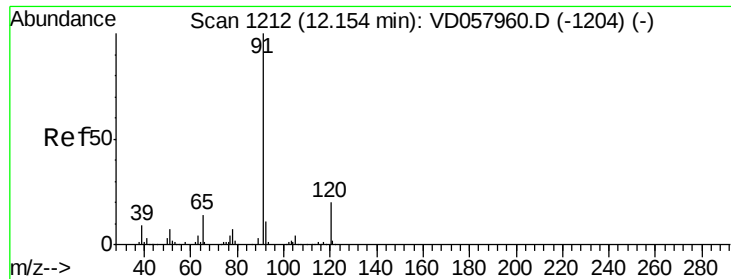
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VD058138.D
Acq: 14 Jun 2018 16:23

Tgt Ion:152 Resp: 262753
Ion Ratio Lower Upper
152 100
115 50.3 25.6 76.6
150 151.4 0.0 306.8



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





#78

n-propylbenzene

Concen: 1.029 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VD058138.D

Acq: 14 Jun 2018 16:23

Instrument :

MSVOA_D

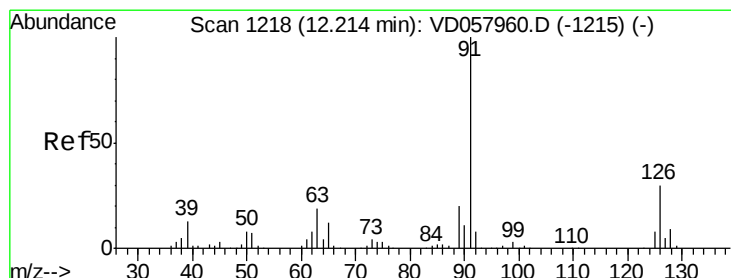
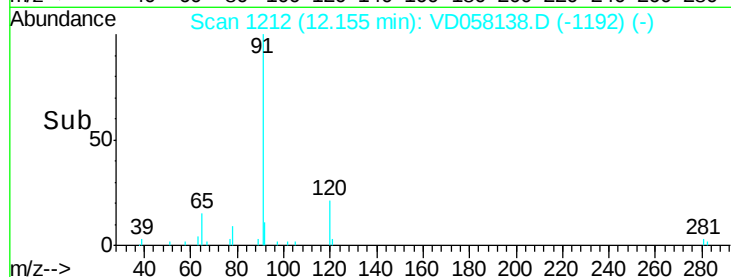
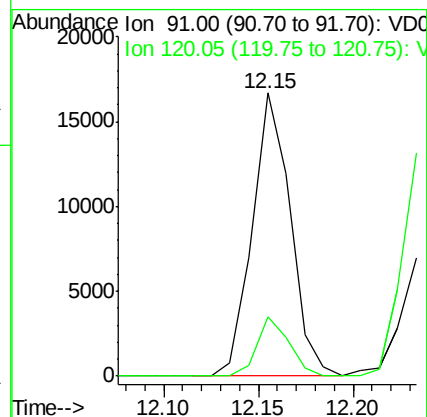
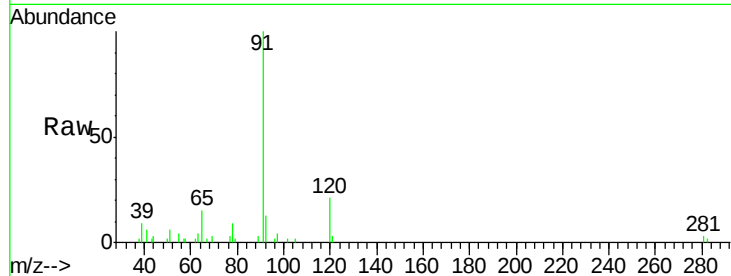
ClientSampleId :

Tot Ion: 91 Resp: 23301

Ion Ratio Lower Upper

91 100

120 21.1 9.8 29.4



#79

2-Chlorotoluene

Concen: 1.002 ug/l

RT: 12.23 min Scan# 1220

Delta R.T. 0.02 min

Lab File: VD058138.D

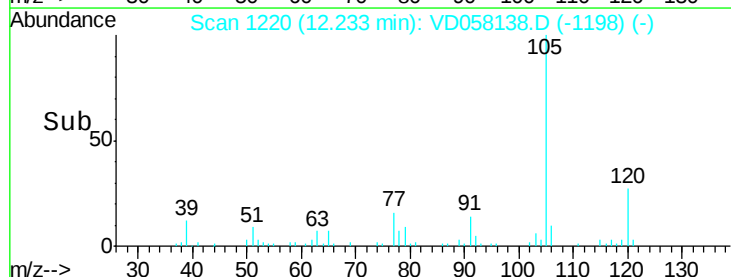
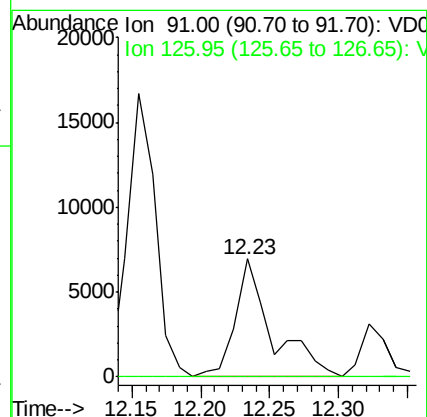
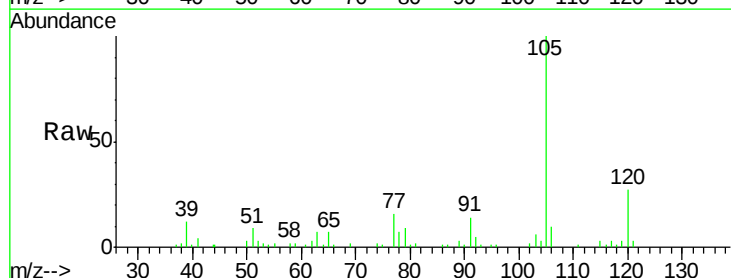
Acq: 14 Jun 2018 16:23

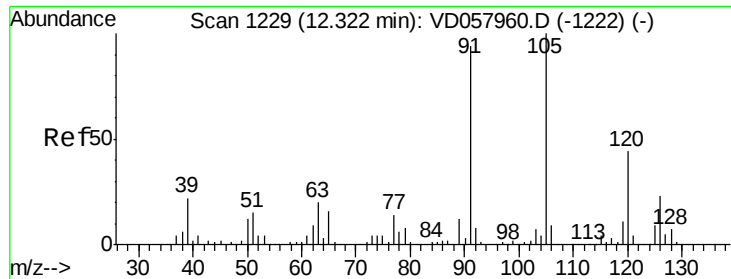
Tgt Ion: 91 Resp: 12945

Ion Ratio Lower Upper

91 100

126 0.0 14.6 44.0#

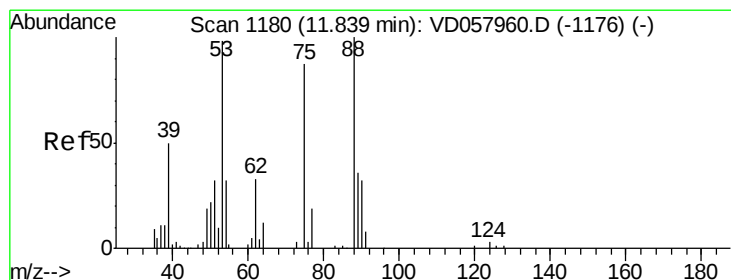
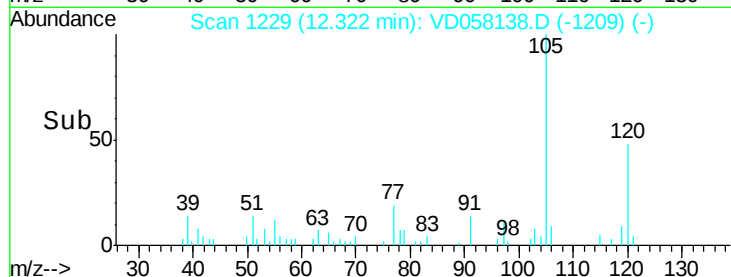
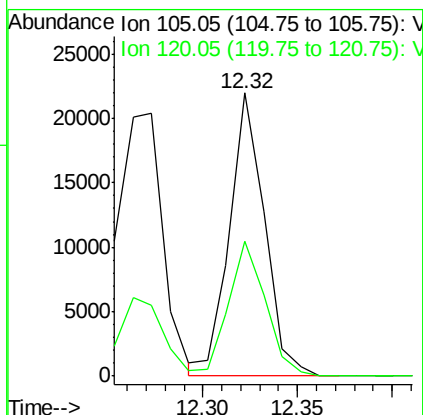
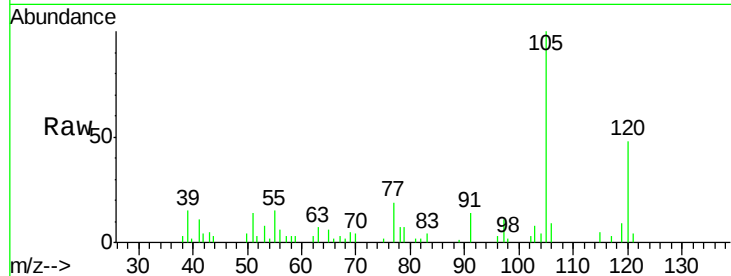




#80
 1,3,5-Trimethylbenzene
 Concen: 2.057 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VD058138.D
 Acq: 14 Jun 2018 16:23

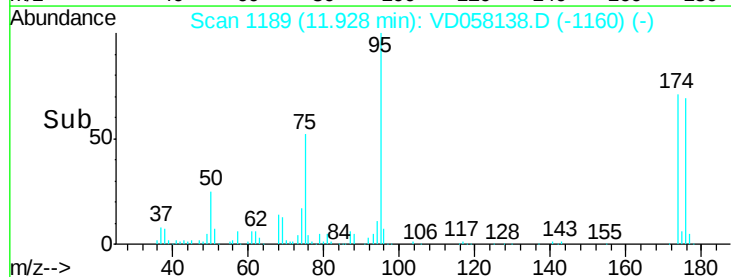
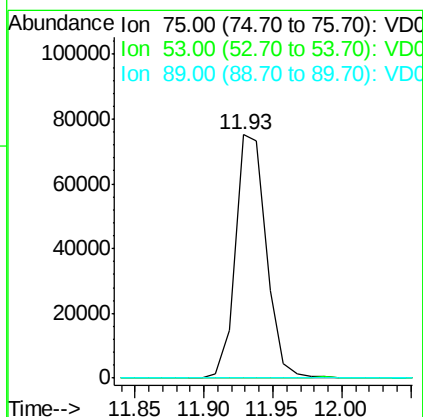
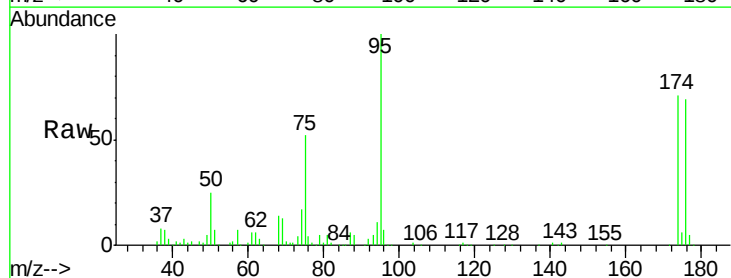
Instrument :
 MSVOA_D
 ClientSampled :

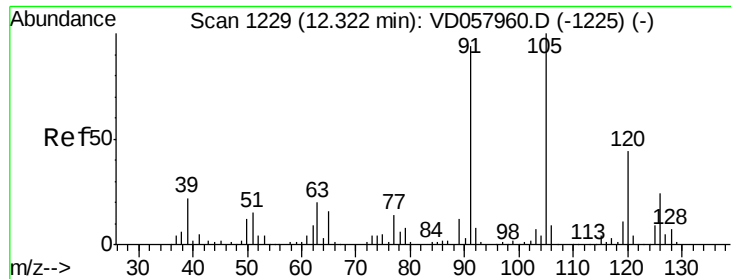
Tot Ion:105 Resp: 27925
 Ion Ratio Lower Upper
 105 100
 120 47.8 22.0 66.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 119.969 ug/l
 RT: 11.93 min Scan# 1189
 Delta R.T. 0.09 min
 Lab File: VD058138.D
 Acq: 14 Jun 2018 16:23

Tgt Ion: 75 Resp: 117281
 Ion Ratio Lower Upper
 75 100
 53 0.0 89.3 133.9#
 89 0.0 33.3 49.9#

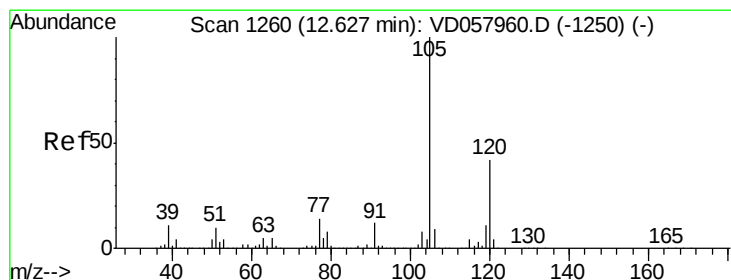
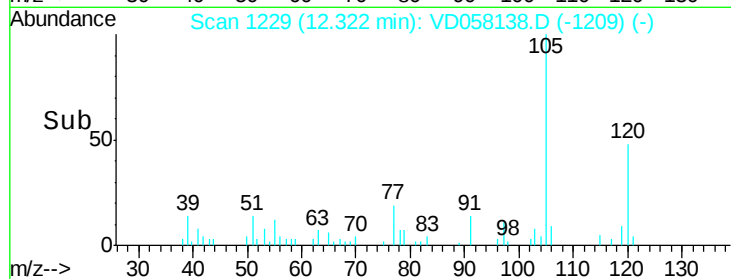
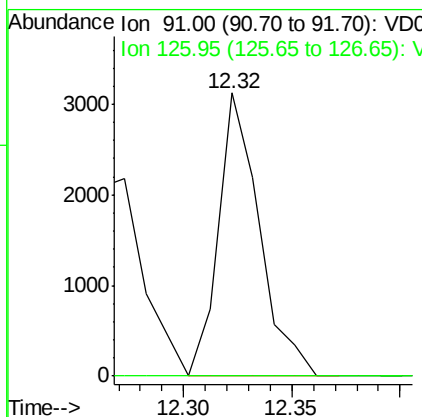
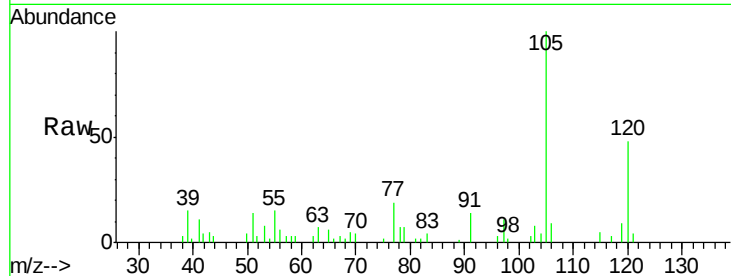




#82
 4-Chlorotoluene
 Concen: Below Cal
 RT: 12.32 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VD058138.D
 Acq: 14 Jun 2018 16:23

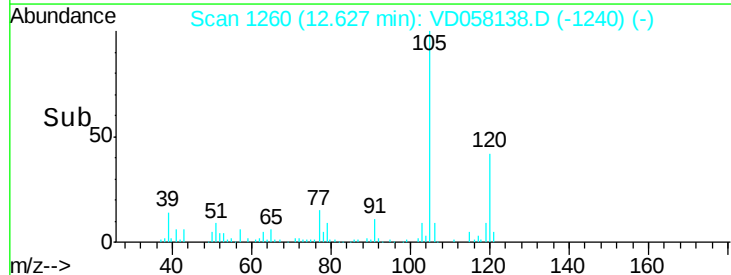
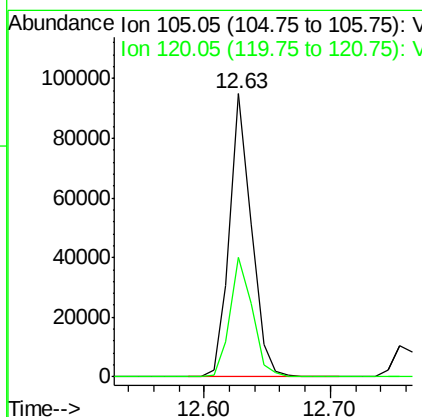
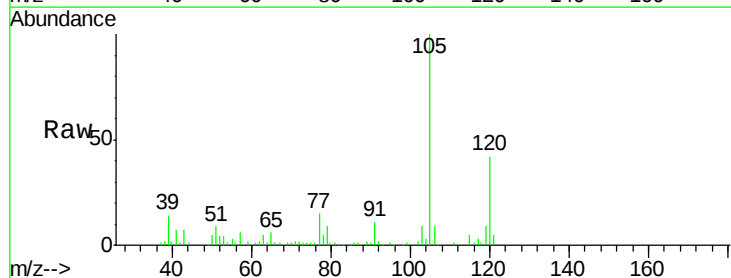
Instrument :
 MSVOA_D
 ClientSampleId :

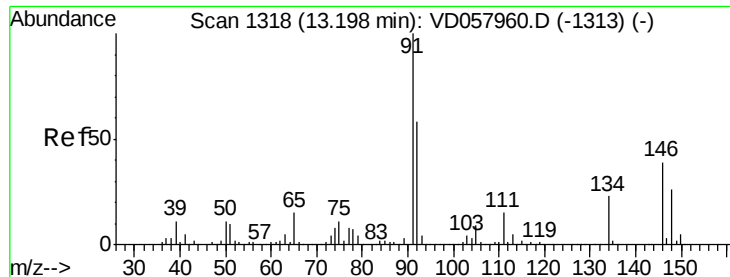
Tot Ion: 91 Resp: 4117
 Ion Ratio Lower Upper
 91 100
 126 0.0 12.5 37.5#



#84
 1,2,4-Trimethylbenzene
 Concen: 7.811 ug/l
 RT: 12.63 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VD058138.D
 Acq: 14 Jun 2018 16:23

Tgt Ion:105 Resp: 113980
 Ion Ratio Lower Upper
 105 100
 120 42.4 21.2 63.6

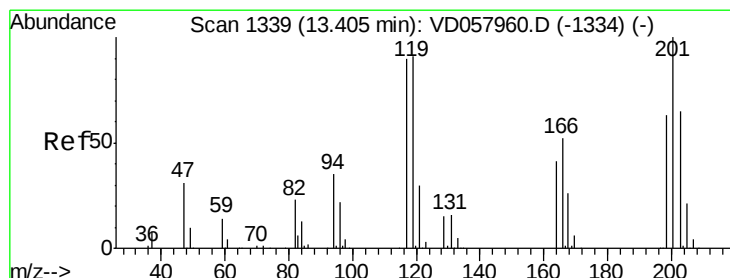
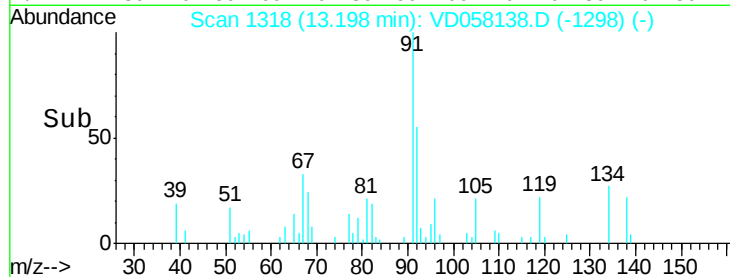
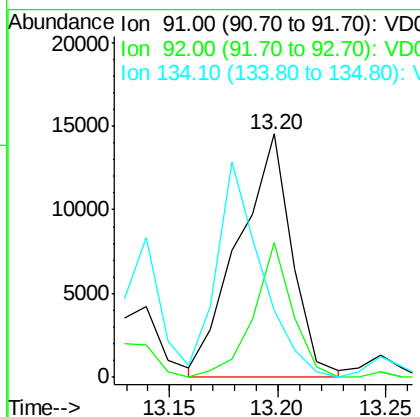
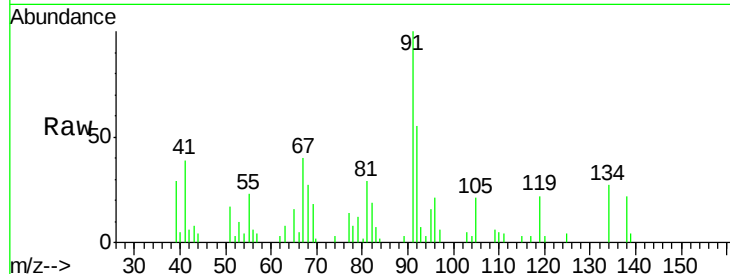




#89
n-Butylbenzene
Concen: Below Cal
RT: 13.20 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VD058138.D
Acq: 14 Jun 2018 16:23

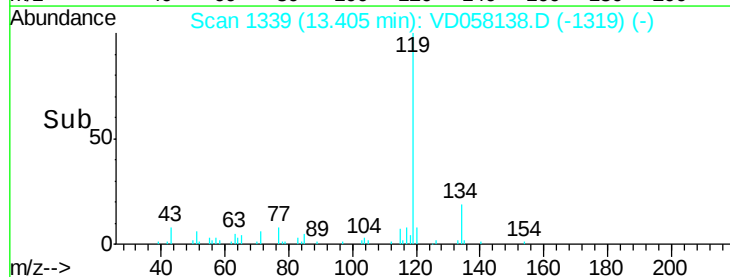
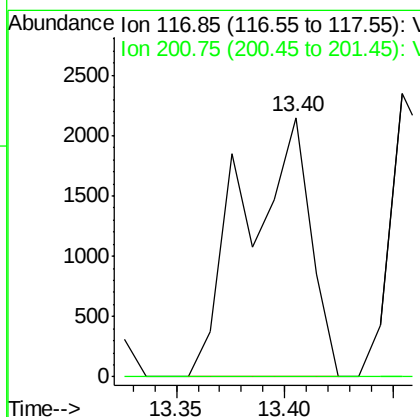
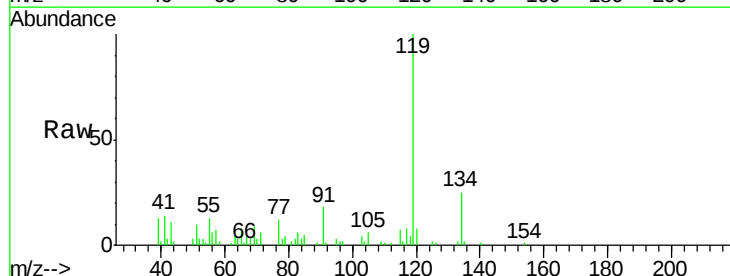
Instrument :
MSVOA_D
ClientSampleId :

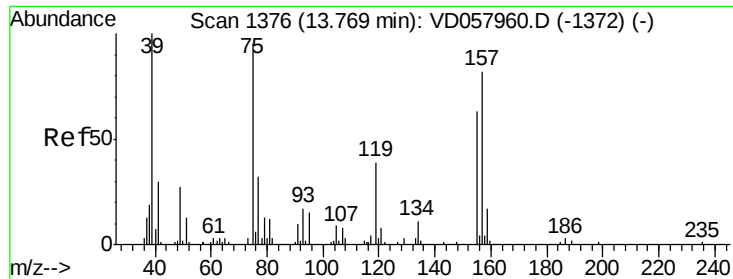
Tot Ion: 91 Resp: 25112
Ion Ratio Lower Upper
91 100
92 55.4 29.2 87.6
134 27.4 11.3 33.9



#90
Hexachloroethane
Concen: 1.208 ug/l
RT: 13.40 min Scan# 1339
Delta R.T. 0.00 min
Lab File: VD058138.D
Acq: 14 Jun 2018 16:23

Tgt Ion: 117 Resp: 4596
Ion Ratio Lower Upper
117 100
201 0.0 55.4 166.0#

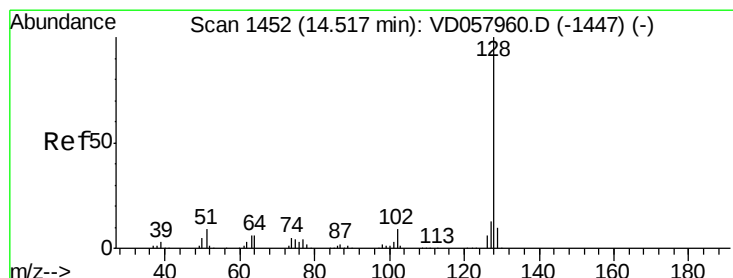
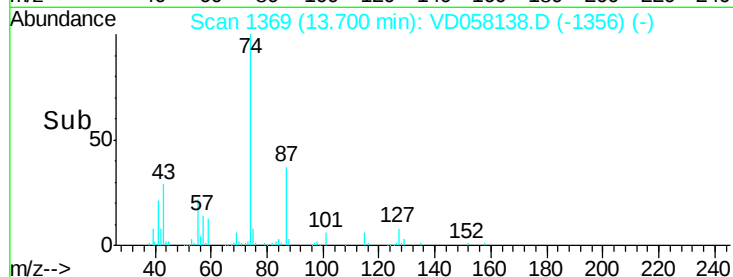
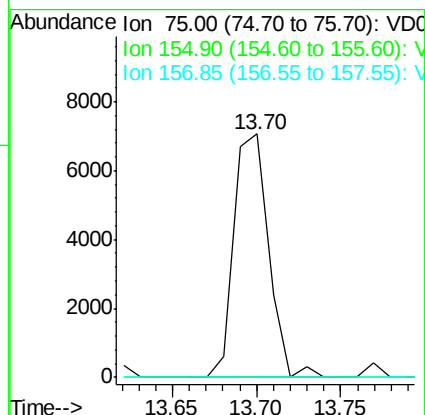
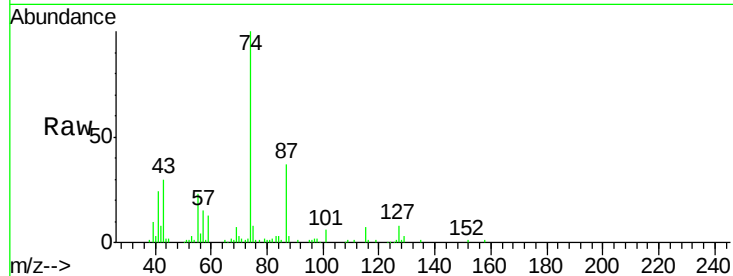




#92
1,2-Dibromo-3-Chloropropane
Concen: 17.218 ug/l
RT: 13.70 min Scan# 1369
Delta R.T. -0.07 min
Lab File: VD058138.D
Acq: 14 Jun 2018 16:23

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 75 Resp: 10083
Ion Ratio Lower Upper
75 100
155 0.0 33.4 100.1#
157 0.0 42.9 128.5#



#95
Naphthalene
Concen: 1.927 ug/l
RT: 14.52 min Scan# 1452
Delta R.T. 0.00 min
Lab File: VD058138.D
Acq: 14 Jun 2018 16:23

Tgt Ion: 128 Resp: 16347
Ion Ratio Lower Upper
128 100
127 20.1 10.2 15.2#
129 13.3 8.2 12.2#

