

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080718\
 Data File : VD059703.D
 Acq On : 7 Aug 2018 14:23
 Operator : VA/AP
 Sample : J4297-07
 Misc : 5.05g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-7

Quant Time: Aug 08 08:38:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080618S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 08 02:03:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	171480	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.67	114	216724	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.68	117	112255	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	21252	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	95675	43.37	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	86.74%	
35) Dibromofluoromethane	5.53	113	78793	40.48	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	80.96%	
50) Toluene-d8	8.70	98	146799	34.65	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	69.30%	
62) 4-Bromofluorobenzene	11.90	95	57033	29.16	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	58.32%	

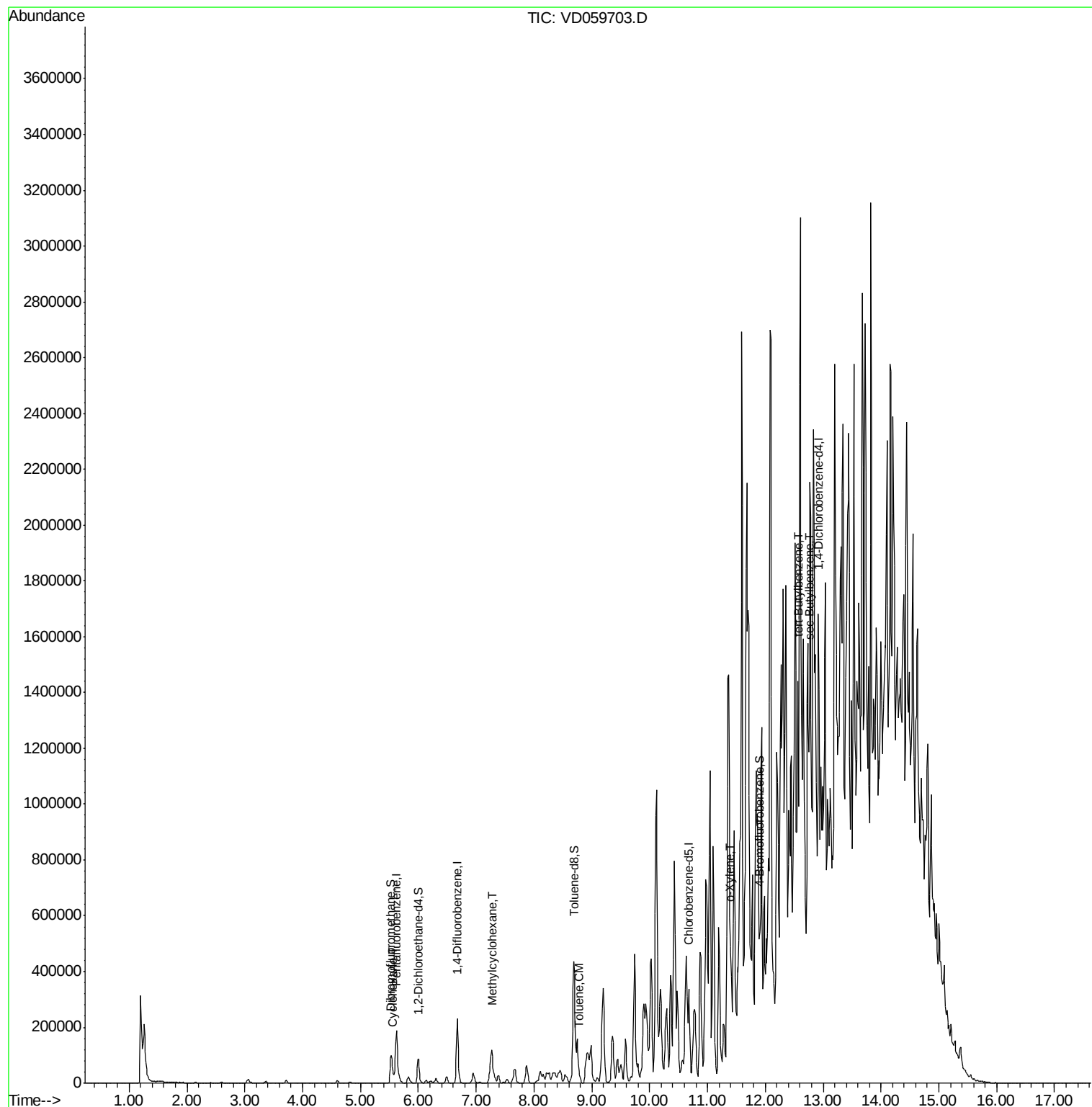
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	5.57	56	10659	2.44	ug/l	# 83
39) Methylcyclohexane	7.27	83	58681	28.82	ug/l	94
52) Toluene	8.79	92	7985	2.68	ug/l	77
69) o-Xylene	11.40	106	3767	2.84	ug/l	69
83) tert-Butylbenzene	12.57	119	12402	9.31	ug/l	64
85) sec-Butylbenzene	12.75	105	26565	17.96	ug/l	91

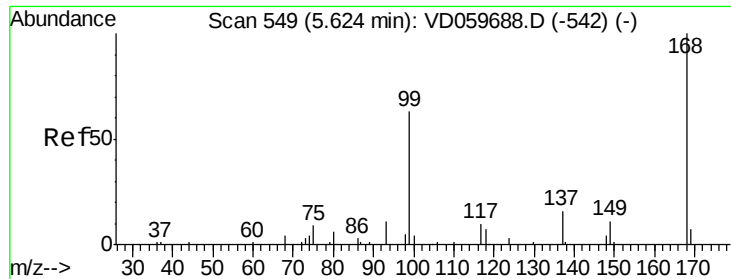
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Aug 08 02:03:19 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.62 min Scan# 548

Delta R.T. -0.00 min

Lab File: VD059703.D

Acq: 7 Aug 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

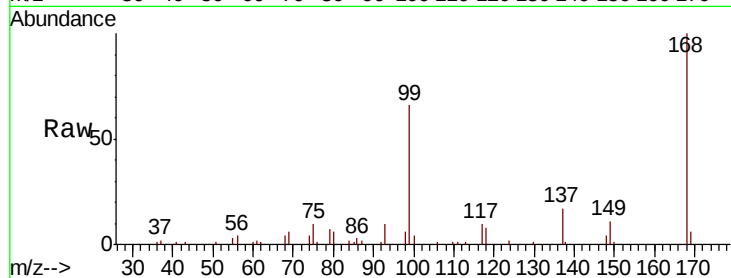
TP-7

Tot Ion:168 Resp: 171480

Ion Ratio Lower Upper

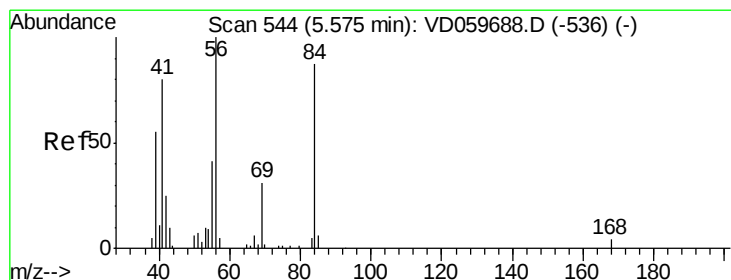
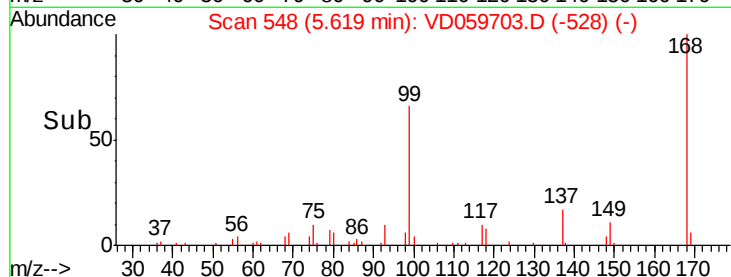
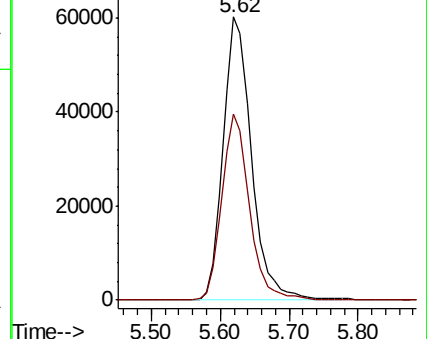
168 100

99 65.7 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#31

Cyclohexane

Concen: 2.44 ug/l

RT: 5.57 min Scan# 543

Delta R.T. -0.00 min

Lab File: VD059703.D

Acq: 7 Aug 2018 14:23

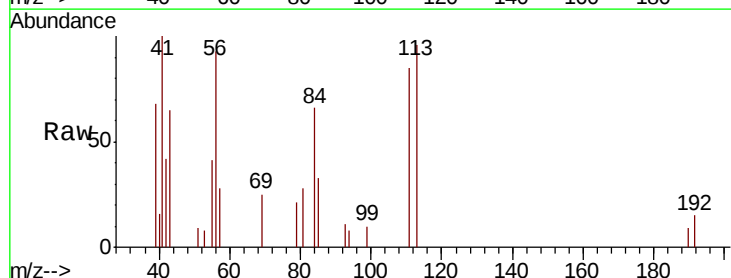
Tgt Ion: 56 Resp: 10659

Ion Ratio Lower Upper

56 100

69 26.9 24.7 37.1

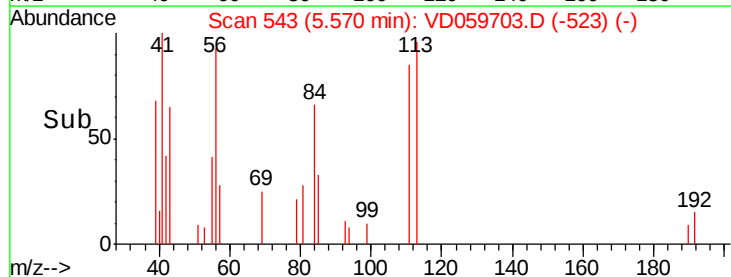
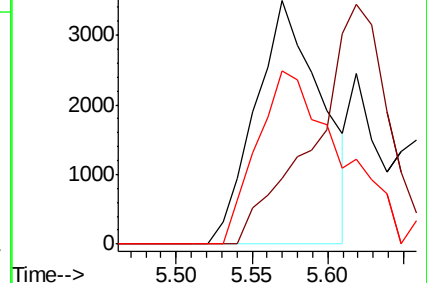
84 71.1 72.2 108.2#

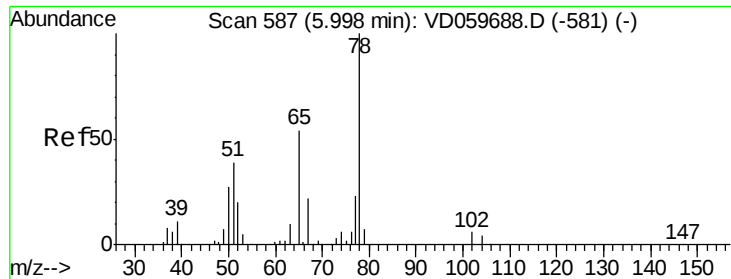


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

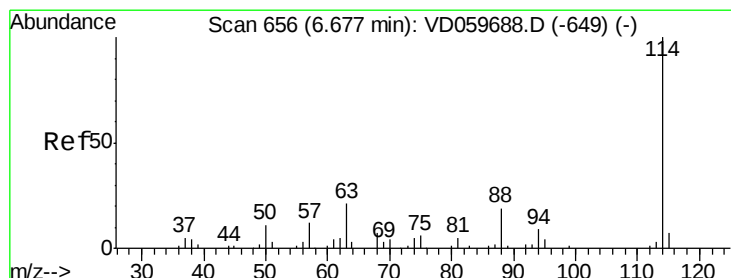
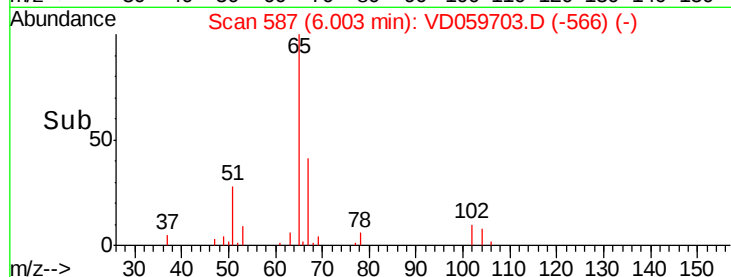
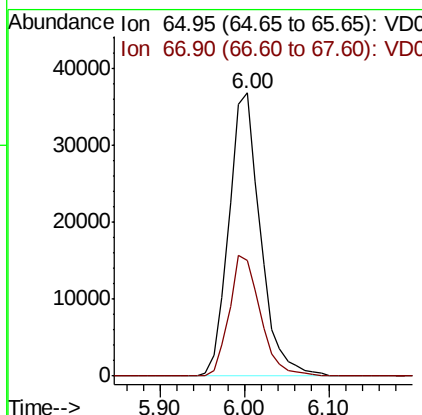
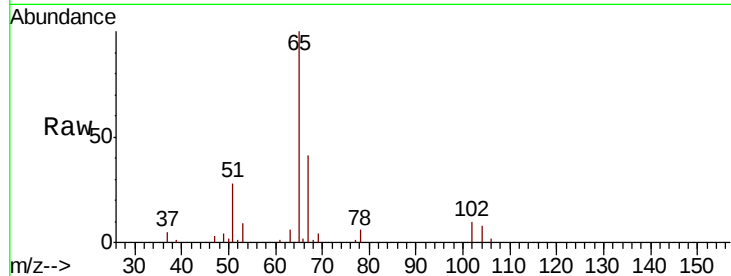




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.00 min Scan# 587
 Delta R.T. 0.01 min
 Lab File: VD059703.D
 Acq: 7 Aug 2018 14:23

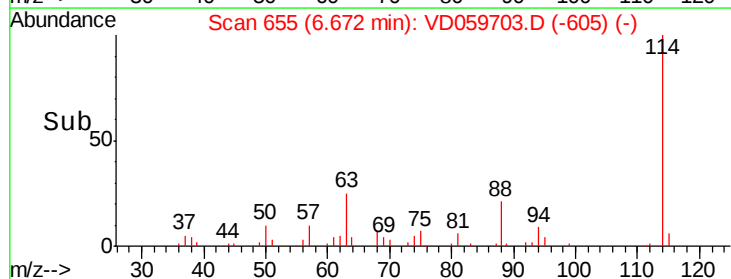
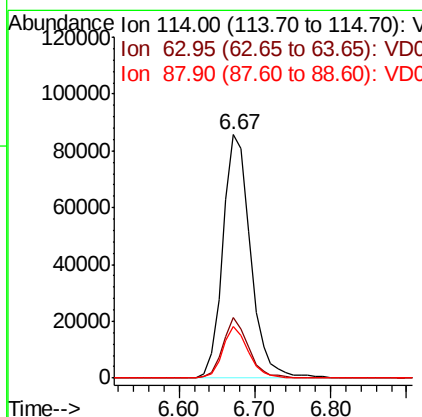
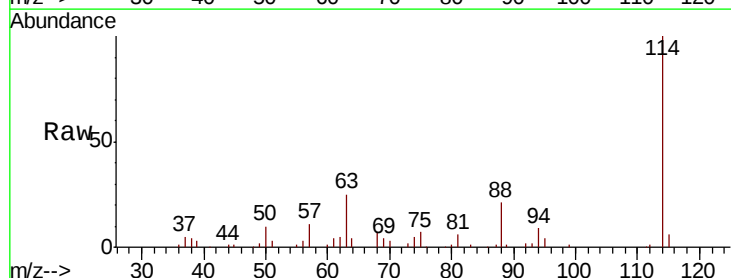
Instrument :
 MSVOA_D
 ClientSampleId :
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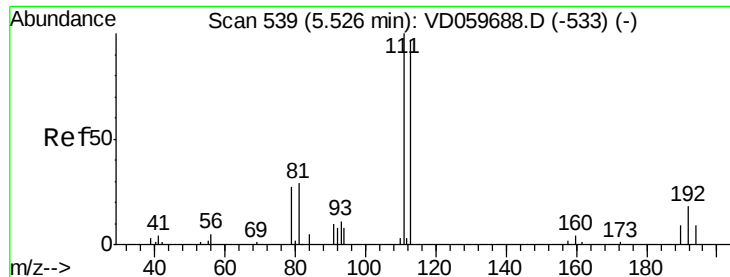
Tot Ion: 65 Resp: 95675
 Ion Ratio Lower Upper
 65 100
 67 41.1 0.0 80.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.67 min Scan# 655
 Delta R.T. -0.00 min
 Lab File: VD059703.D
 Acq: 7 Aug 2018 14:23

Tgt Ion: 114 Resp: 216724
 Ion Ratio Lower Upper
 114 100
 63 24.8 0.0 42.6
 88 21.0 0.0 38.8

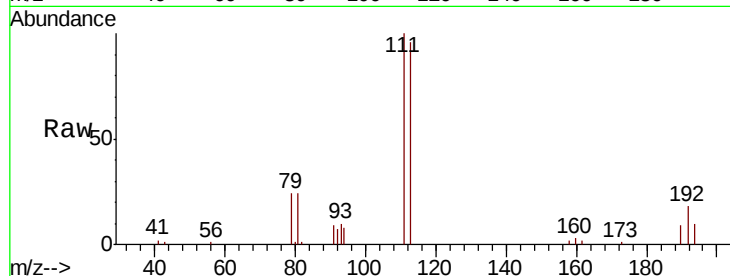




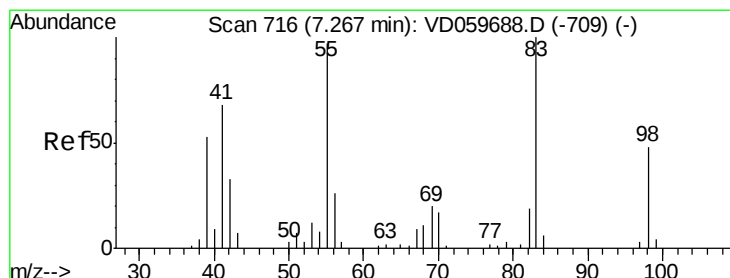
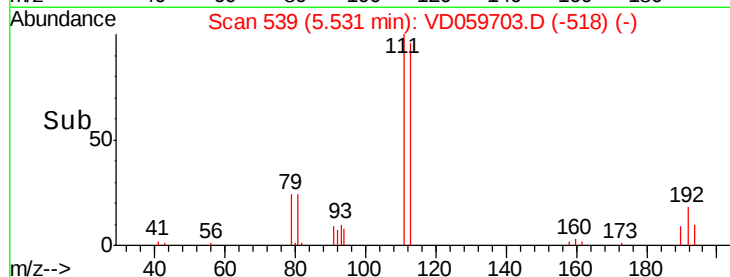
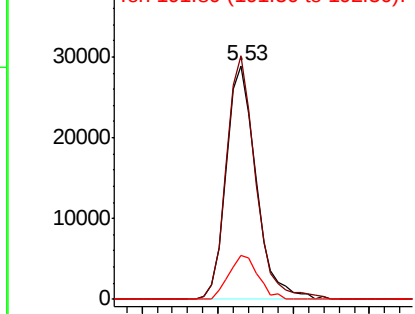
#35
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 5.53 min Scan# 539
Delta R.T. 0.01 min
Lab File: VD059703.D
Acq: 7 Aug 2018 14:23

Instrument :
MSVOA_D
ClientSampleId :
TP-7

Tot Ion:113 Resp: 78793
Ion Ratio Lower Upper
113 100
111 104.3 82.8 124.2
192 18.6 14.6 22.0

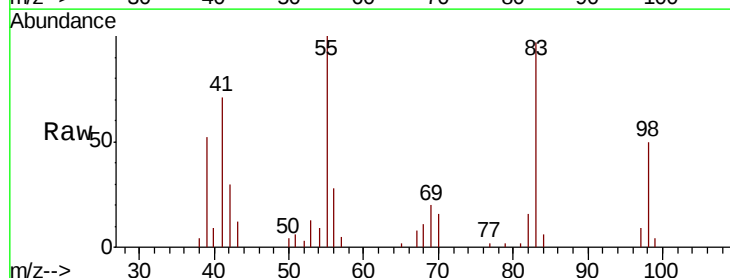


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

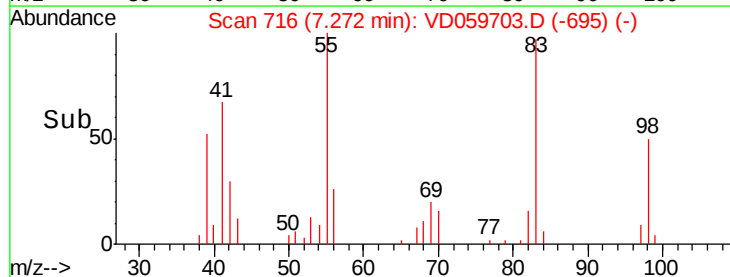
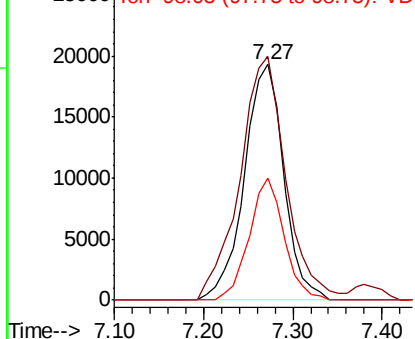


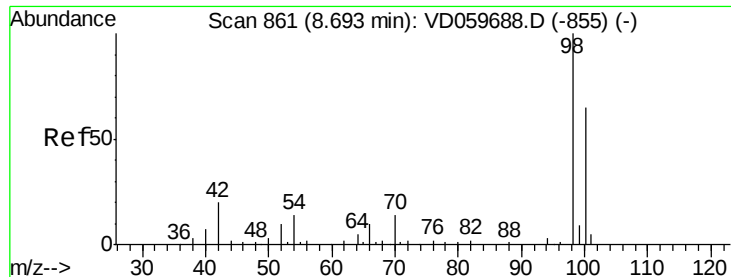
#39
Methylcyclohexane
Concen: 28.82 ug/l
RT: 7.27 min Scan# 716
Delta R.T. 0.01 min
Lab File: VD059703.D
Acq: 7 Aug 2018 14:23

Tgt Ion: 83 Resp: 58681
Ion Ratio Lower Upper
83 100
55 103.4 77.7 116.5
98 51.5 38.7 58.1



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

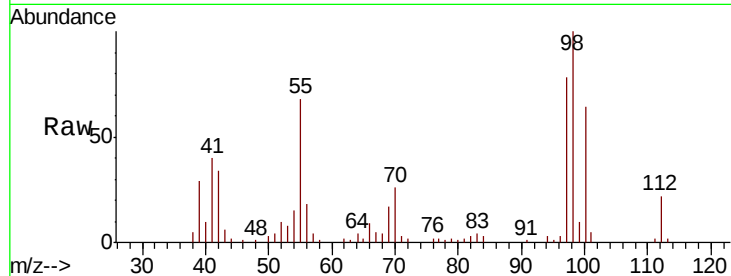




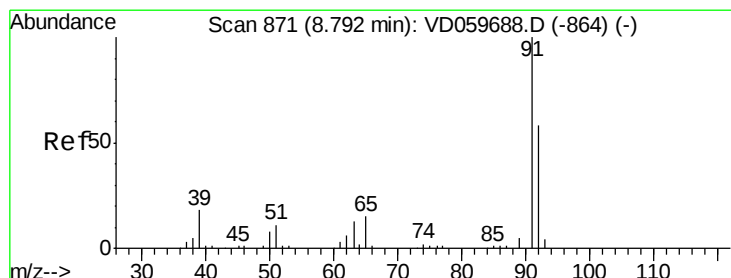
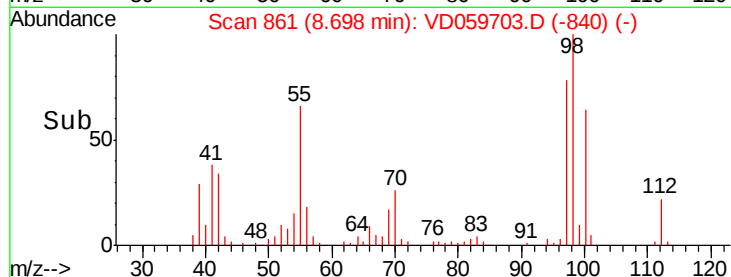
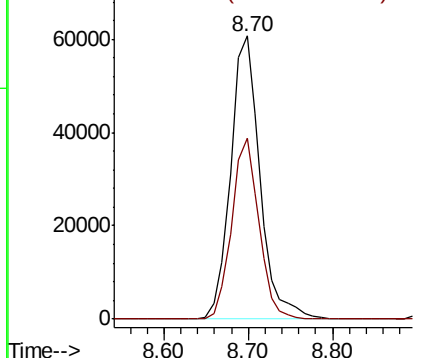
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.70 min Scan# 861
Delta R.T. 0.01 min
Lab File: VD059703.D
Acq: 7 Aug 2018 14:23

Instrument :
MSVOA_D
ClientSampled :
TP-7

Tot Ion: 98 Resp: 146799
Ion Ratio Lower Upper
98 100
100 63.9 52.5 78.7

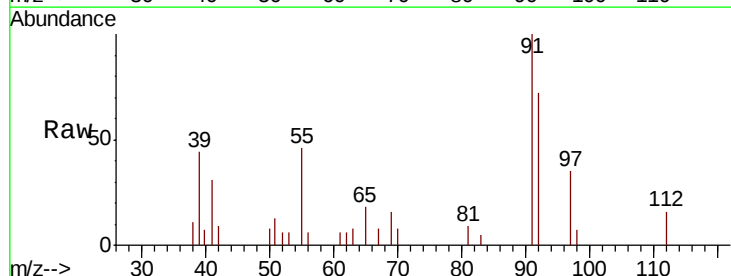


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

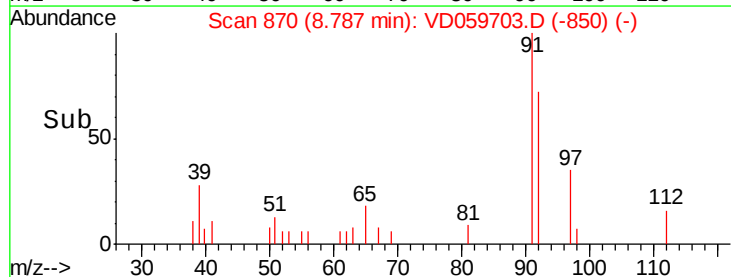
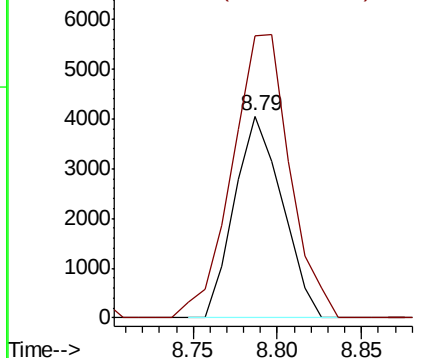


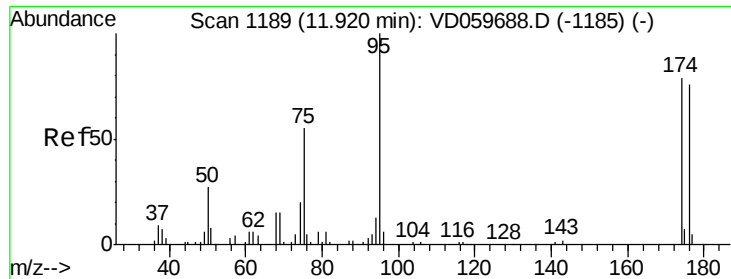
#52
Toluene
Concen: 2.68 ug/l
RT: 8.79 min Scan# 870
Delta R.T. -0.00 min
Lab File: VD059703.D
Acq: 7 Aug 2018 14:23

Tgt Ion: 92 Resp: 7985
Ion Ratio Lower Upper
92 100
91 139.5 137.0 205.6



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

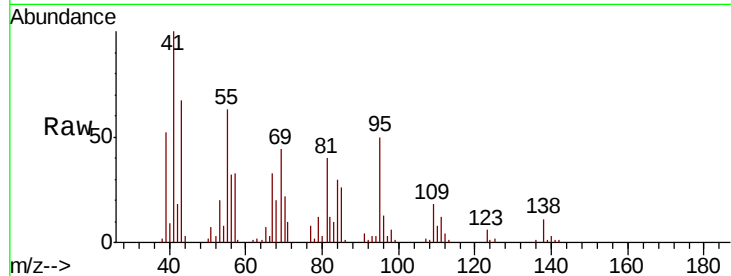




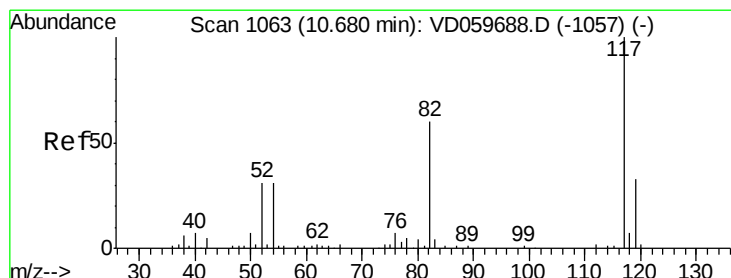
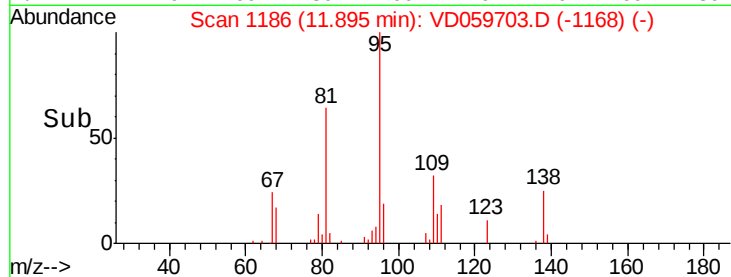
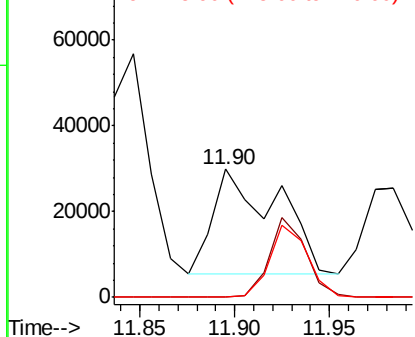
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.90 min Scan# 1186
Delta R.T. -0.02 min
Lab File: VD059703.D
Acq: 7 Aug 2018 14:23

Instrument :
MSVOA_D
ClientSampled :
TP-7

Tot Ion: 95 Resp: 57033
Ion Ratio Lower Upper
95 100
174 0.0 0.0 158.4
176 0.0 0.0 153.0

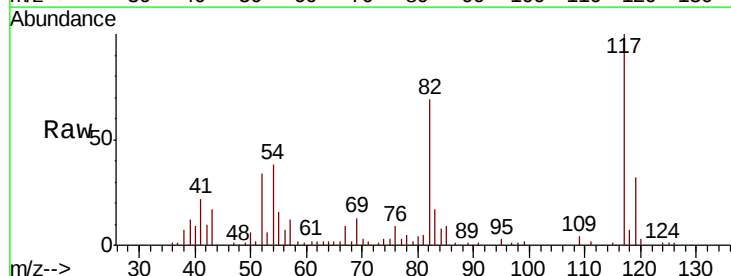


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

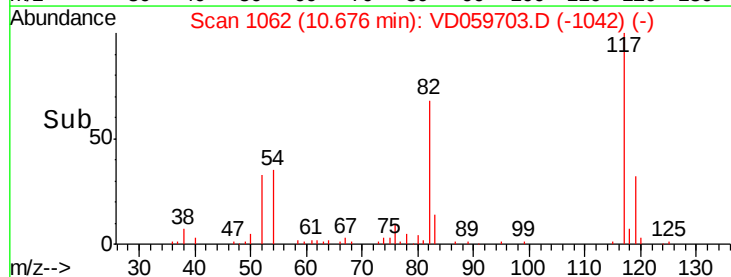
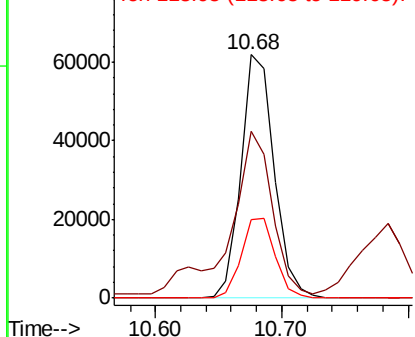


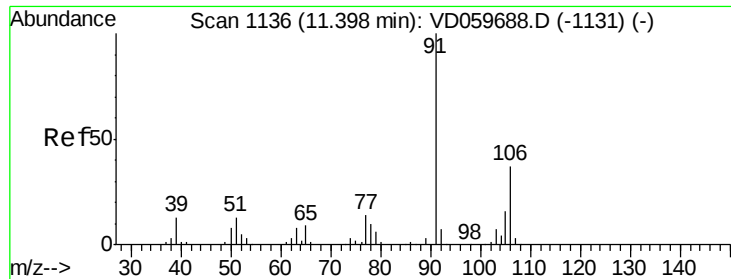
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.00 min
Lab File: VD059703.D
Acq: 7 Aug 2018 14:23

Tgt Ion: 117 Resp: 112255
Ion Ratio Lower Upper
117 100
82 68.6 47.7 71.5
119 32.4 26.6 40.0



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

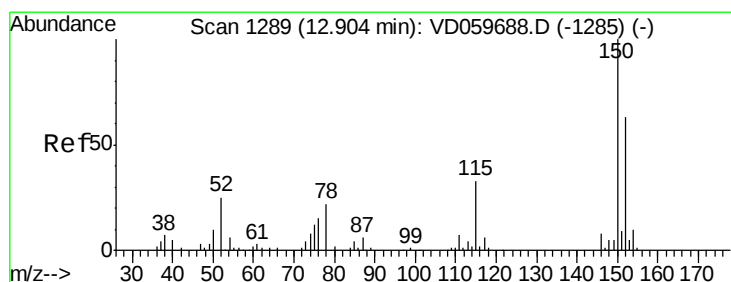
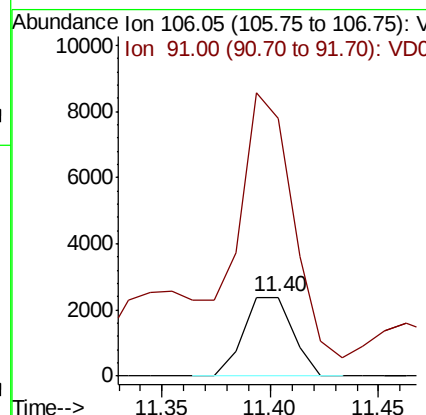
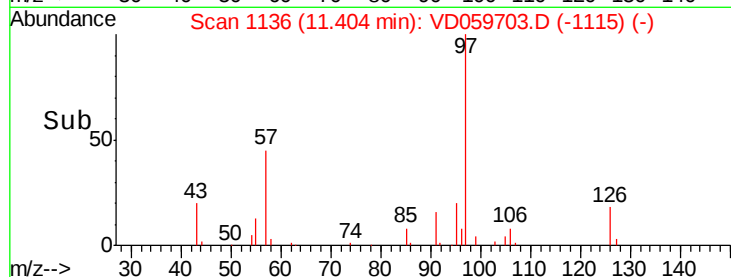
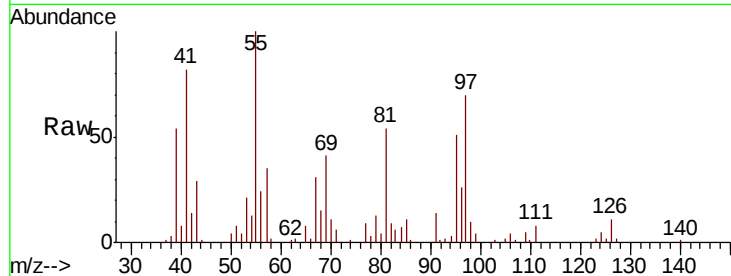




#69
o-Xylene
Concen: 2.84 ug/l
RT: 11.40 min Scan# 1136
Delta R.T. 0.01 min
Lab File: VD059703.D
Acq: 7 Aug 2018 14:23

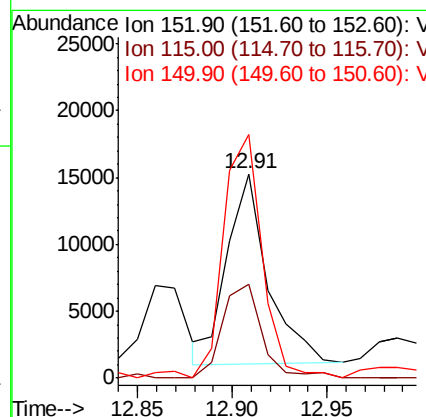
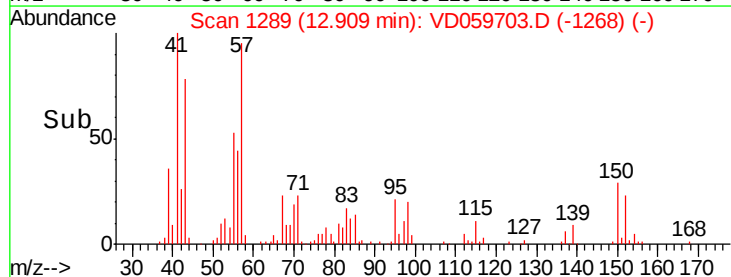
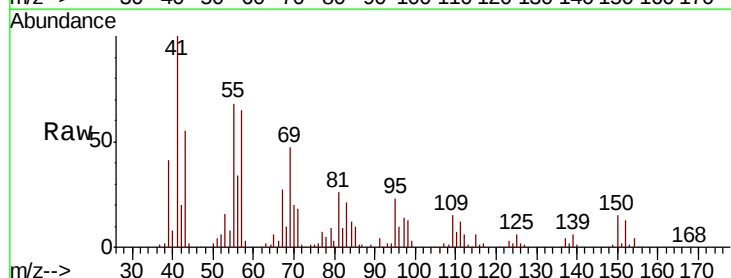
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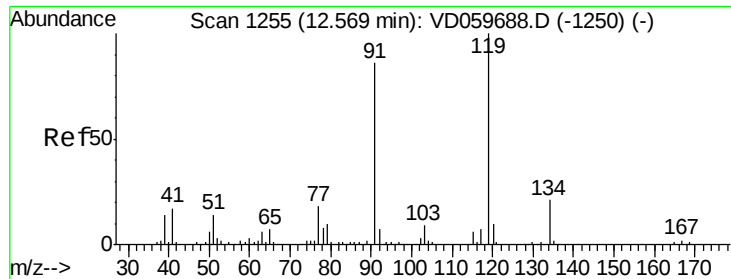
Tot Ion:106 Resp: 3767
Ion Ratio Lower Upper
106 100
91 327.0 135.2 405.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. 0.01 min
Lab File: VD059703.D
Acq: 7 Aug 2018 14:23

Tgt Ion:152 Resp: 21252
Ion Ratio Lower Upper
152 100
115 45.7 28.8 86.4
150 119.2 0.0 318.0

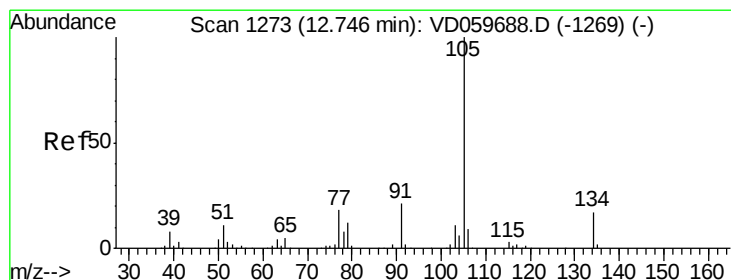
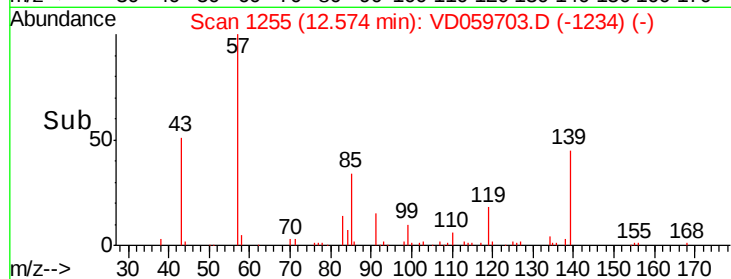
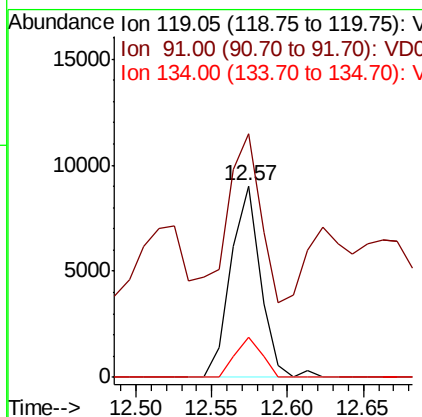
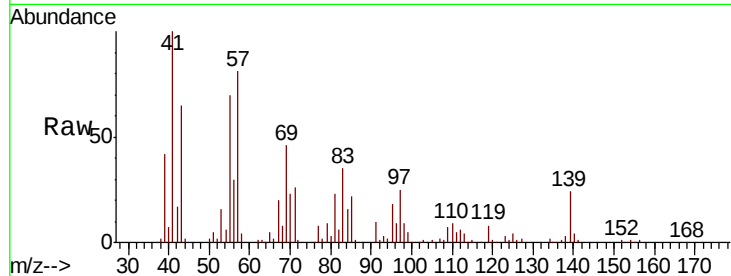




#83
tert-Butylbenzene
Concen: 9.31 ug/l
RT: 12.57 min Scan# 1255
Delta R.T. 0.01 min
Lab File: VD059703.D
Acq: 7 Aug 2018 14:23

Instrument :
MSVOA_D
ClientSampled :
TP-7

Tot Ion:119 Resp: 12402
Ion Ratio Lower Upper
119 100
91 127.2 43.3 129.9
134 20.8 10.5 31.6



#85
sec-Butylbenzene
Concen: 17.96 ug/l
RT: 12.75 min Scan# 1273
Delta R.T. 0.01 min
Lab File: VD059703.D
Acq: 7 Aug 2018 14:23

Tgt Ion:105 Resp: 26565
Ion Ratio Lower Upper
105 100
134 20.3 8.3 24.9

