

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032519\
 Data File : VD061317.D
 Acq On : 26 Mar 2019 00:36
 Operator : VA/AP
 Sample : VD0325SBS02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0325SBS02

Quant Time: Mar 26 04:31:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 03:31:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	222	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1224	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	1019	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	361	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	10.41	98	1514	66.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	133.34%	
62) 4-Bromofluorobenzene	13.55	95	224	25.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	50.56%	

Target Compounds

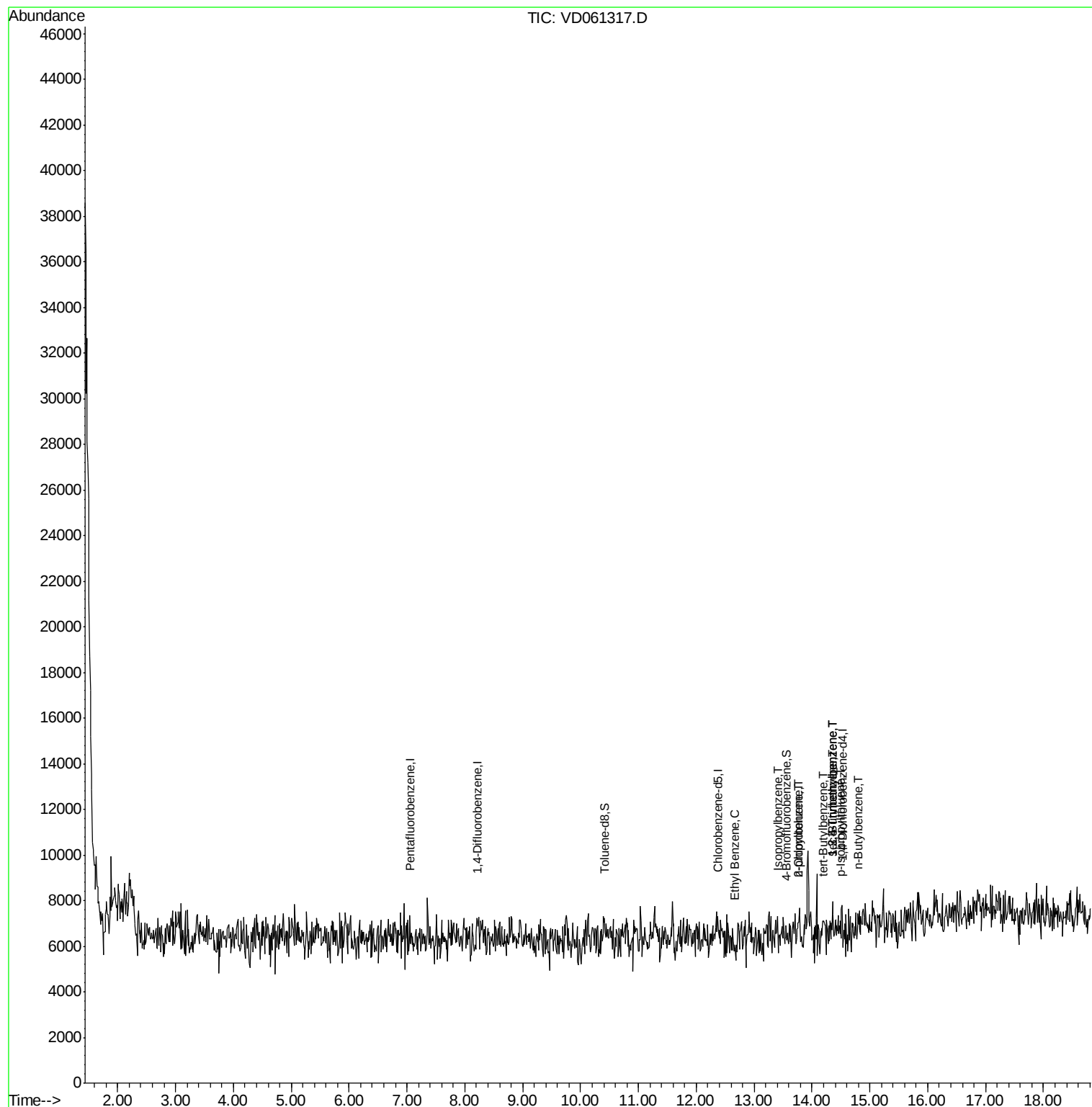
						Qvalue
67) Ethyl Benzene	12.66	91	292	10.166	ug/l #	42
73) Isopropylbenzene	13.41	105	453	19.293	ug/l #	49
78) n-propylbenzene	13.76	91	235	8.871	ug/l #	55
79) 2-Chlorotoluene	13.76	91	235	15.236	ug/l #	38
80) 1,3,5-Trimethylbenzene	14.36	105	419	22.620	ug/l #	29
83) tert-Butylbenzene	14.18	119	205	9.693	ug/l #	28
84) 1,2,4-Trimethylbenzene	14.36	105	419	22.620	ug/l #	29
85) sec-Butylbenzene	14.36	105	419	17.789	ug/l #	58
86) p-Isopropyltoluene	14.49	119	248	11.802	ug/l #	52
89) n-Butylbenzene	14.80	91	207	11.096	ug/l #	28

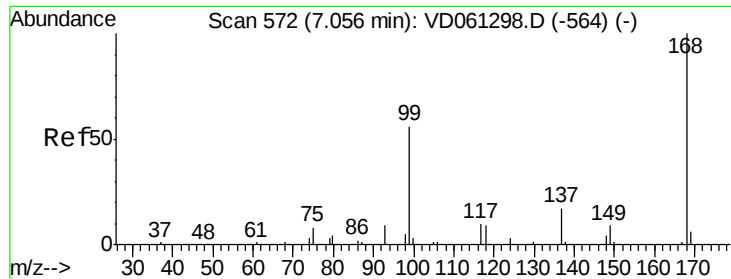
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Tue Mar 26 03:31:57 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.01 min

Lab File: VD061317.D

Acq: 26 Mar 2019 00:36

Instrument :

MSVOA_D

ClientSampleId :

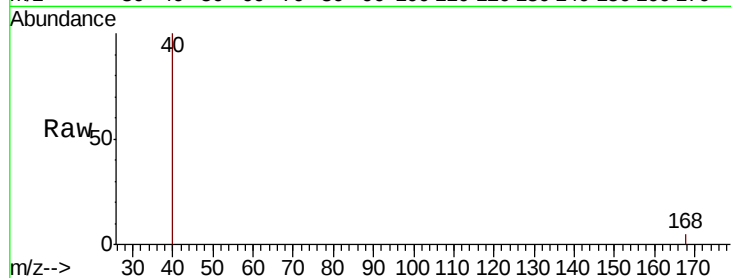
VD0325SBS02

Tot Ion:168 Resp: 222

Ion Ratio Lower Upper

168 100

99 0.0 45.8 68.8#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.05

400

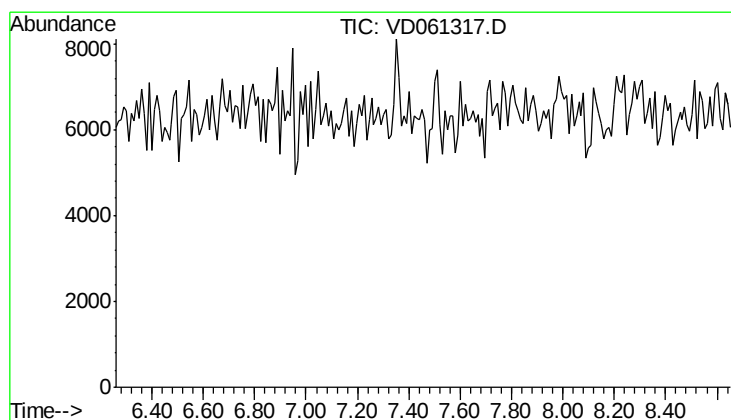
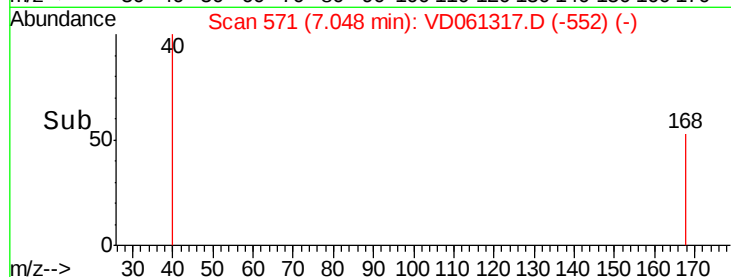
300

200

100

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

Expected RT: 7.46 min

Lab File: VD061317.D

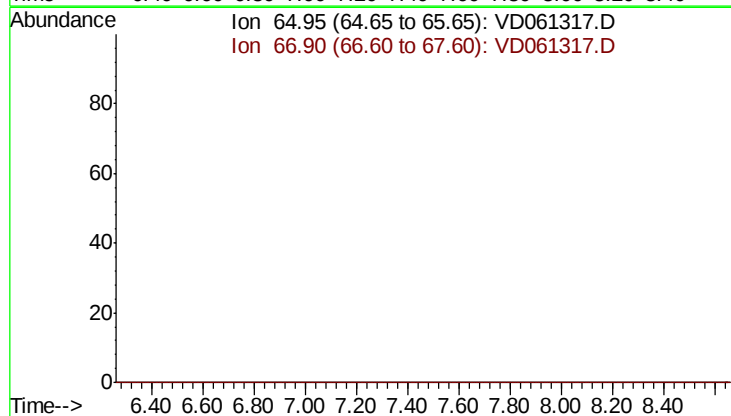
Acq: 26 Mar 2019 00:36

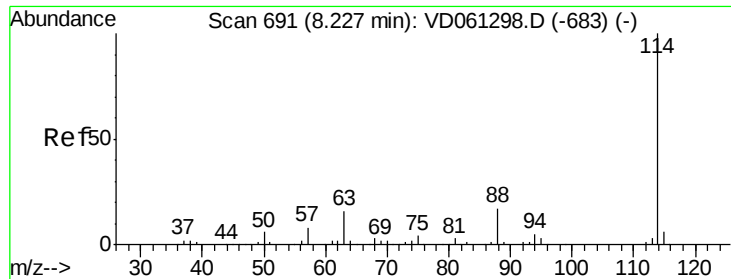
Tgt Ion: 65

Sig Exp Ratio

65 100

67 50.4

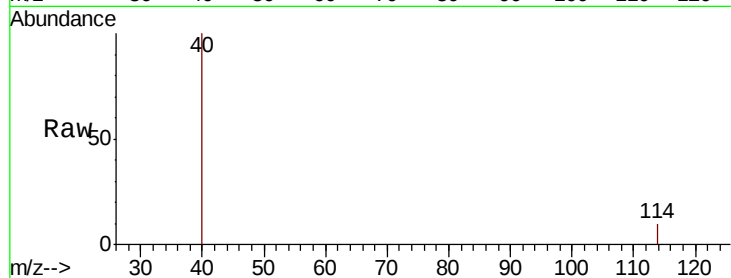




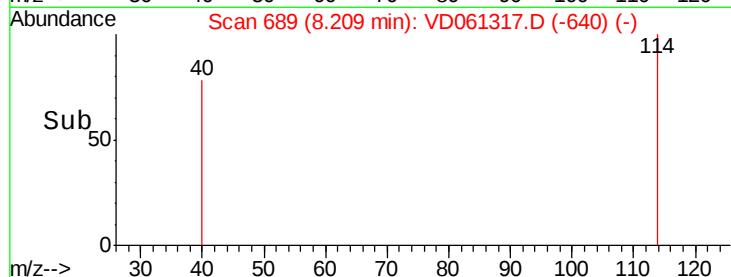
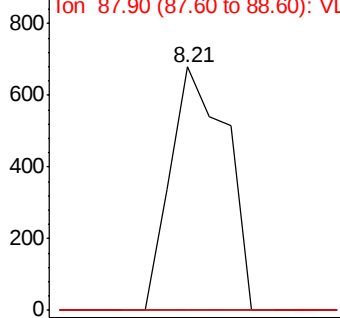
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.02 min
 Lab File: VD061317.D
 Acq: 26 Mar 2019 00:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0325SBS02

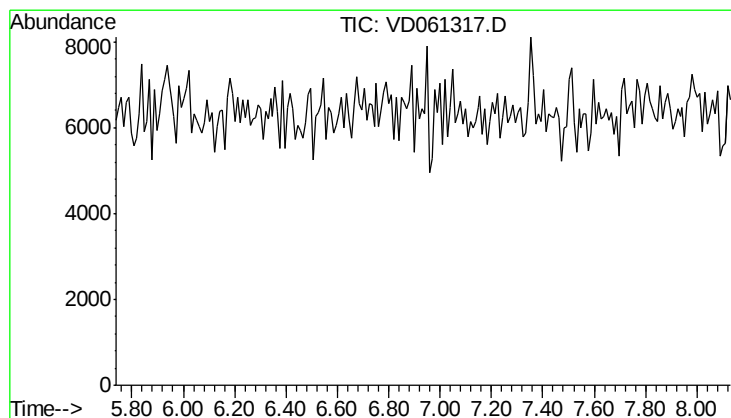
Tot Ion:114 Resp: 1224
 Ion Ratio Lower Upper
 114 100
 63 0.0 0.0 31.4
 88 0.0 0.0 33.2



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



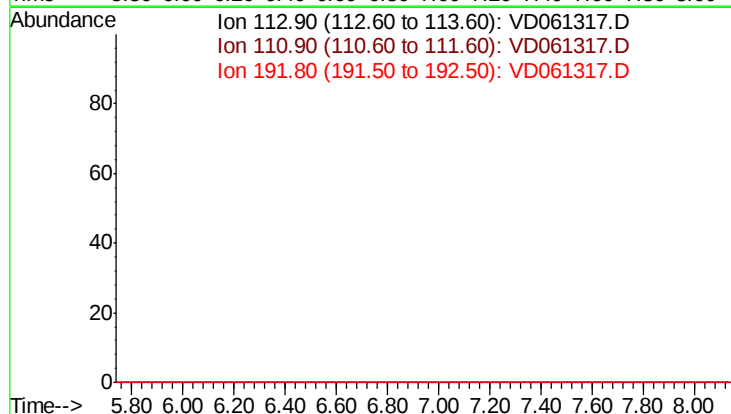
Time-->

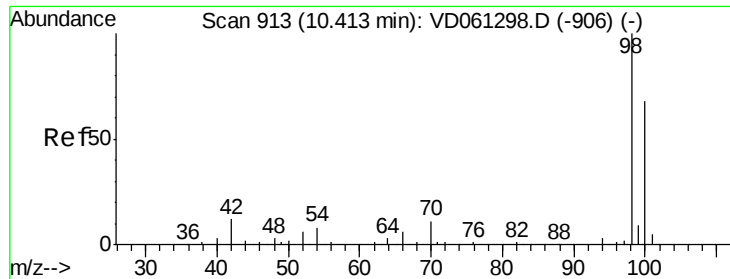


#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 Expected RT: 6.94 min

Lab File: VD061317.D
 Acq: 26 Mar 2019 00:36

Tgt Ion: 113
 Sig Exp Ratio
 113 100
 111 104.6
 192 16.7





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.00 min

Lab File: VD061317.D

Acq: 26 Mar 2019 00:36

Instrument :

MSVOA_D

ClientSampleId :

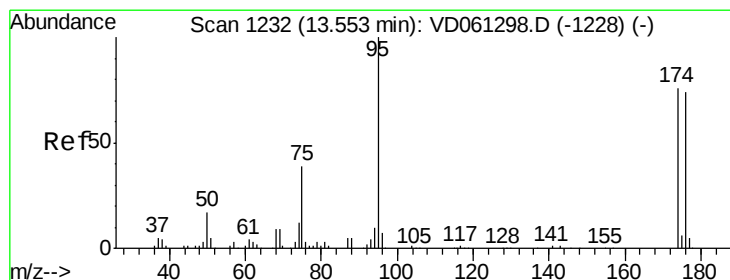
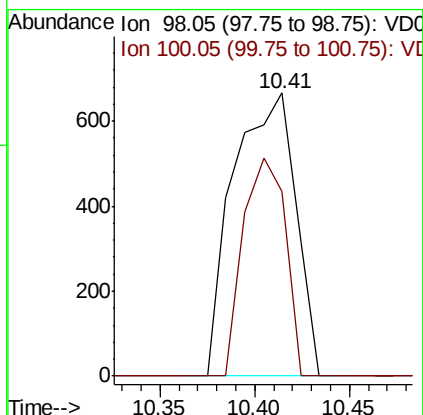
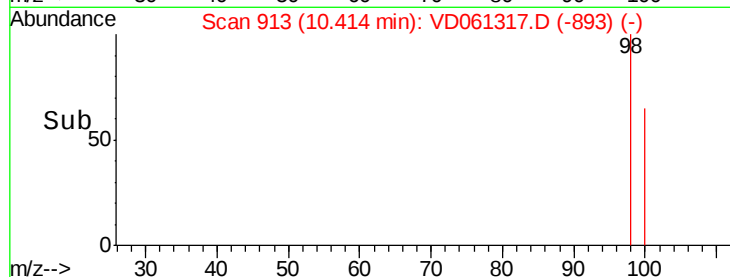
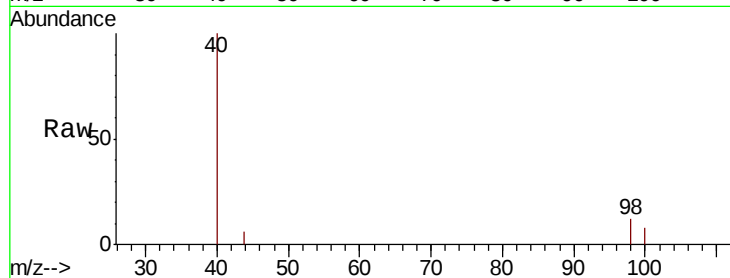
VD0325SBS02

Tot Ion: 98 Resp: 1514

Ion Ratio Lower Upper

98 100

100 65.3 55.4 83.0



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD061317.D

Acq: 26 Mar 2019 00:36

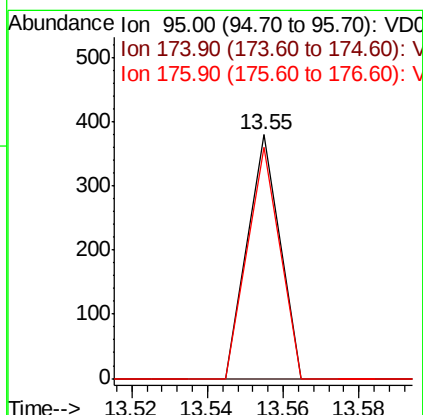
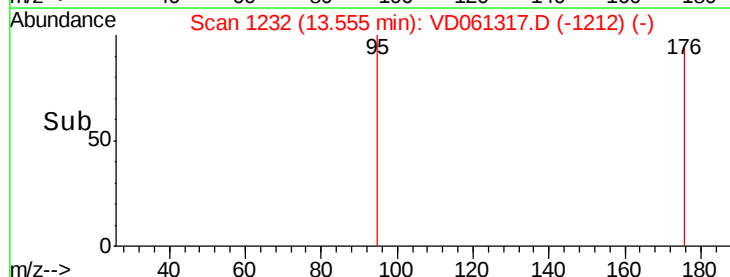
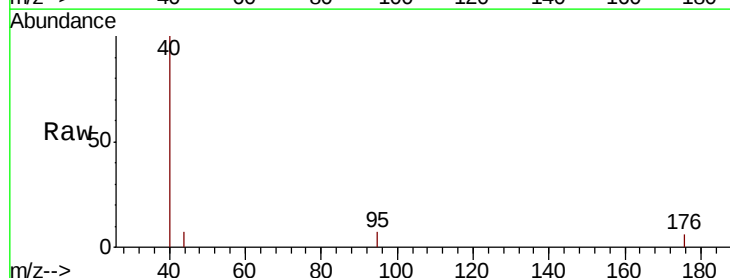
Tgt Ion: 95 Resp: 224

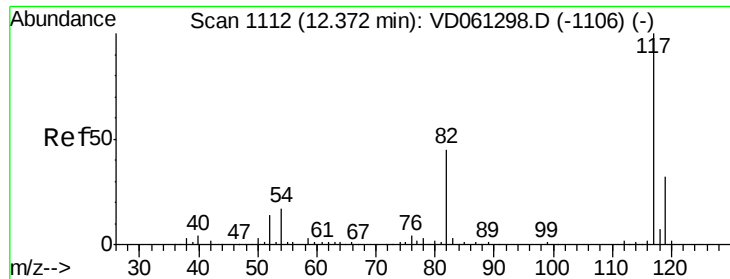
Ion Ratio Lower Upper

95 100

174 0.0 0.0 151.8

176 95.0 0.0 148.0

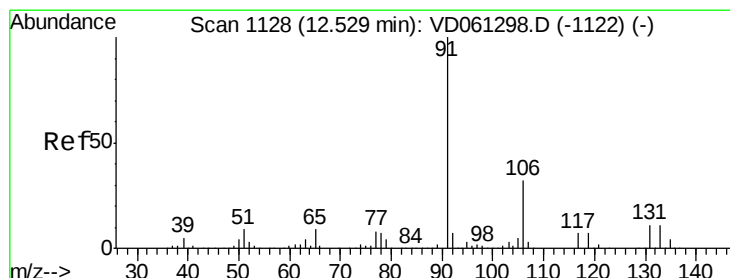
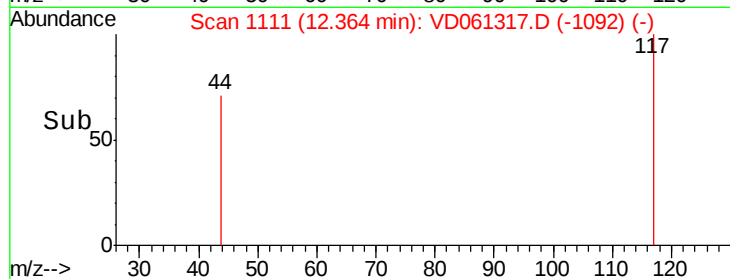
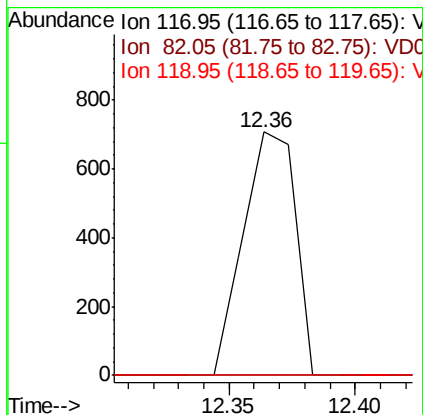
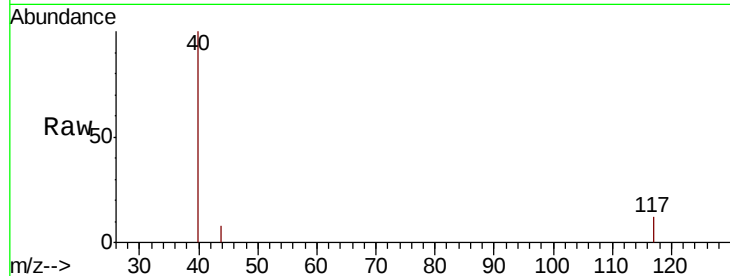




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD061317.D
Acq: 26 Mar 2019 00:36

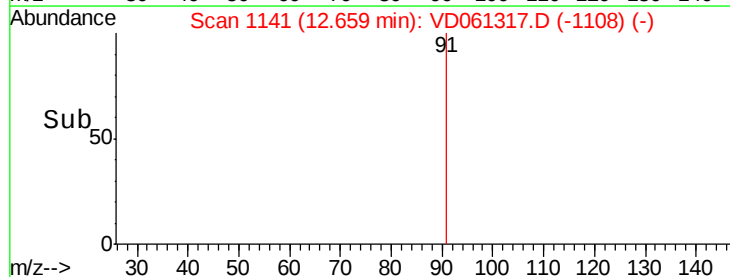
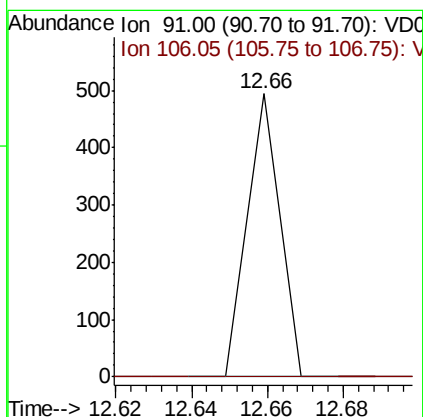
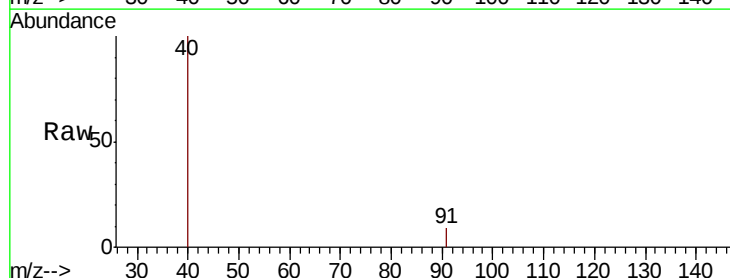
Instrument :
MSVOA_D
ClientSampleId :
VD0325SBS02

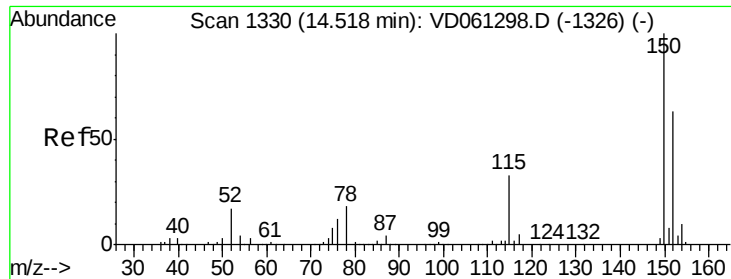
Tot Ion:117 Resp: 1019
Ion Ratio Lower Upper
117 100
82 0.0 35.7 53.5#
119 0.0 25.9 38.9#



#67
Ethyl Benzene
Concen: 10.166 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. 0.13 min
Lab File: VD061317.D
Acq: 26 Mar 2019 00:36

Tgt Ion: 91 Resp: 292
Ion Ratio Lower Upper
91 100
106 0.0 25.8 38.8#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VD061317.D

Acq: 26 Mar 2019 00:36

Instrument :

MSVOA_D

ClientSampleId :

VD0325SBS02

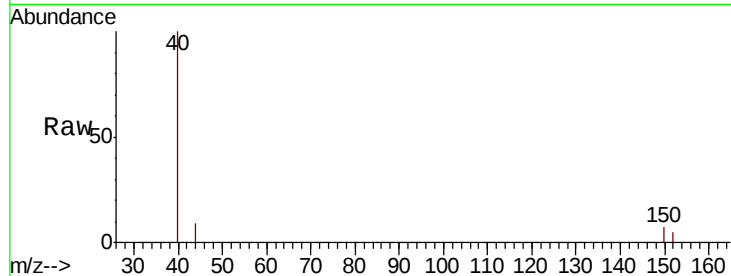
Tot Ion:152 Resp: 361

Ion Ratio Lower Upper

152 100

115 0.0 29.2 87.6#

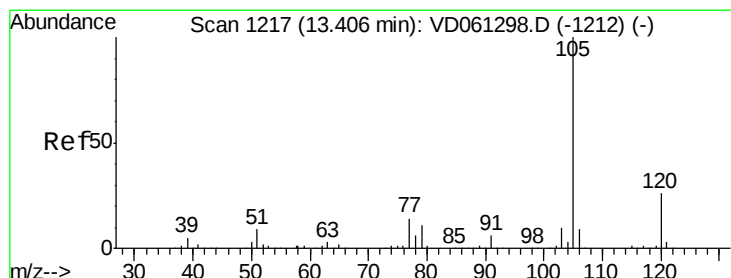
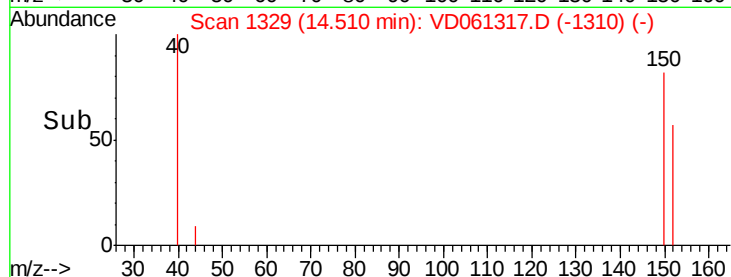
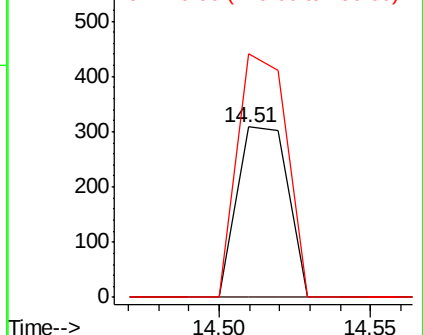
150 143.2 0.0 319.6



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



#73

Isopropylbenzene

Concen: 19.293 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD061317.D

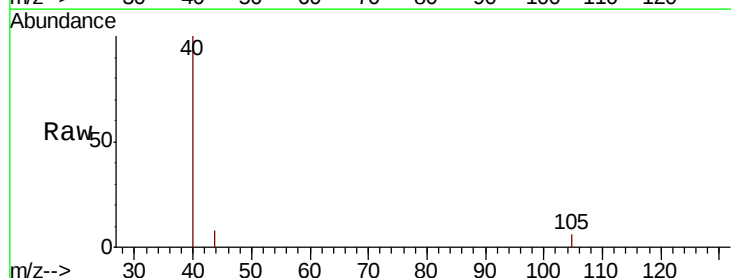
Acq: 26 Mar 2019 00:36

Tgt Ion:105 Resp: 453

Ion Ratio Lower Upper

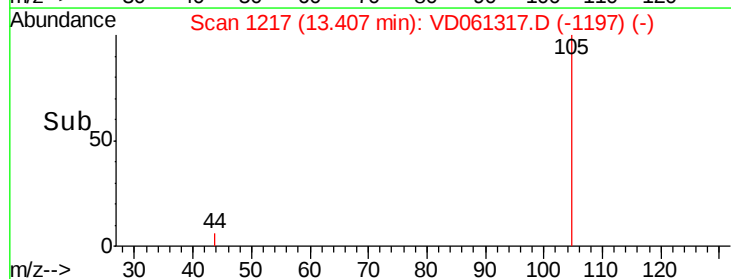
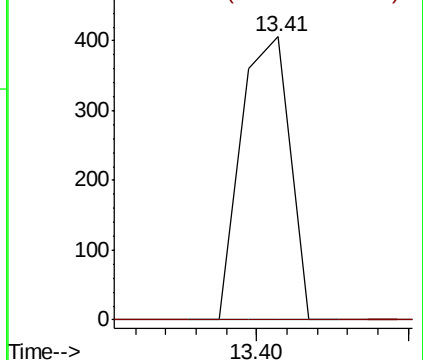
105 100

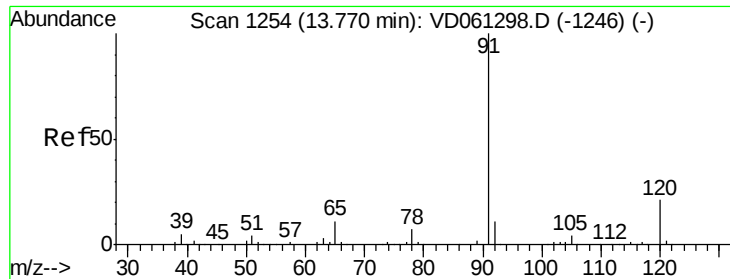
120 0.0 13.1 39.1#



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#78

n-propylbenzene

Concen: 8.871 ug/l

RT: 13.76 min Scan# 1253

Delta R.T. -0.01 min

Lab File: VD061317.D

Acq: 26 Mar 2019 00:36

Instrument :

MSVOA_D

ClientSampleId :

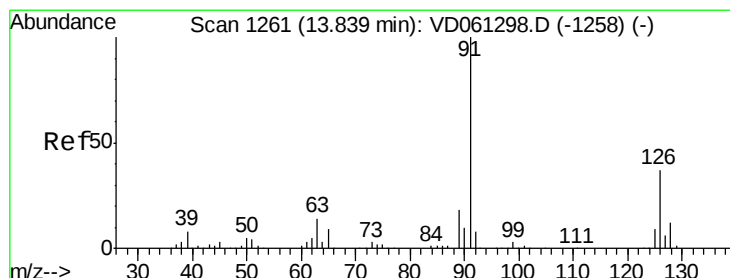
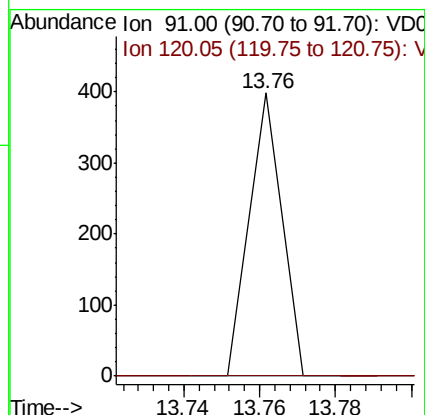
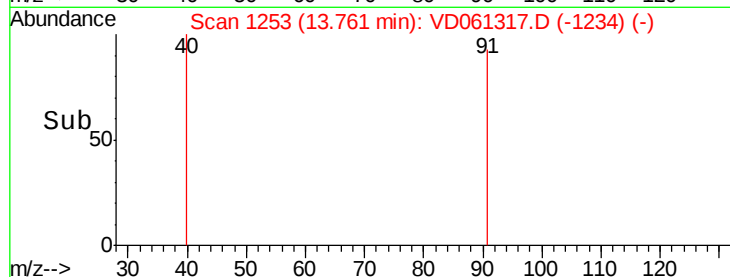
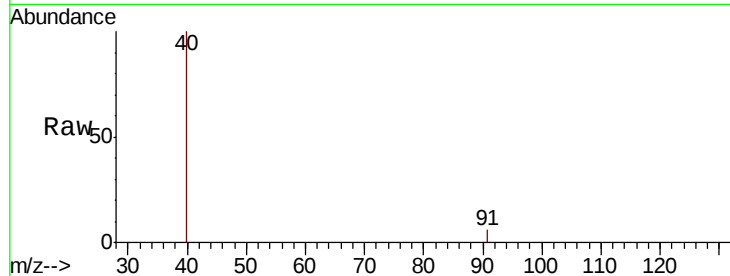
VD0325SBS02

Tot Ion: 91 Resp: 235

Ion Ratio Lower Upper

91 100

120 0.0 10.7 32.1#



#79

2-Chlorotoluene

Concen: 15.236 ug/l

RT: 13.76 min Scan# 1253

Delta R.T. -0.08 min

Lab File: VD061317.D

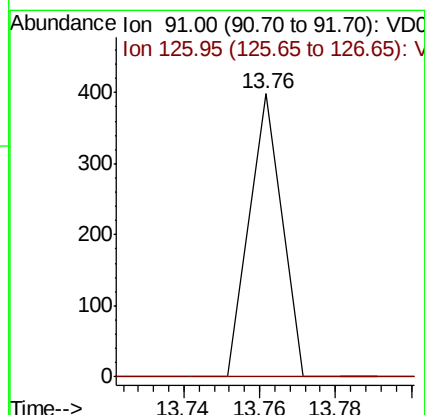
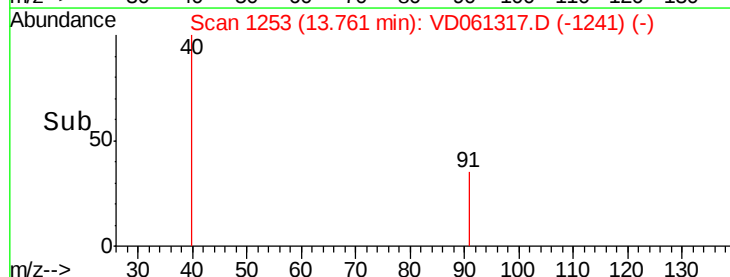
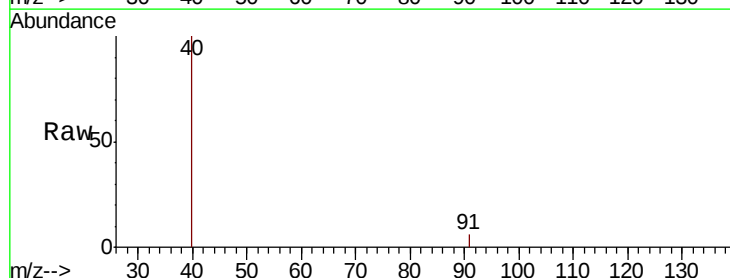
Acq: 26 Mar 2019 00:36

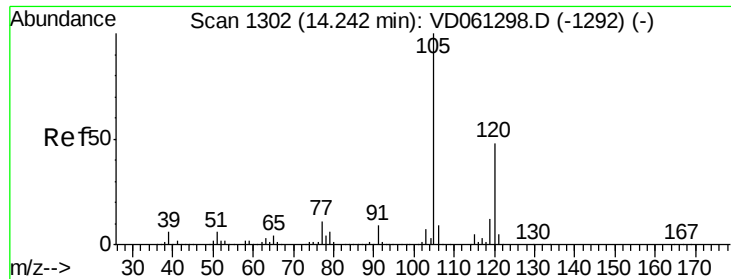
Tgt Ion: 91 Resp: 235

Ion Ratio Lower Upper

91 100

126 0.0 18.4 55.4#

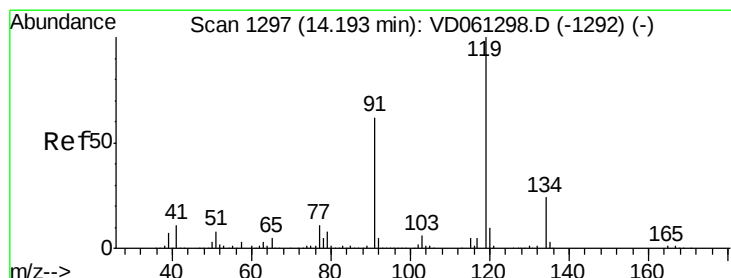
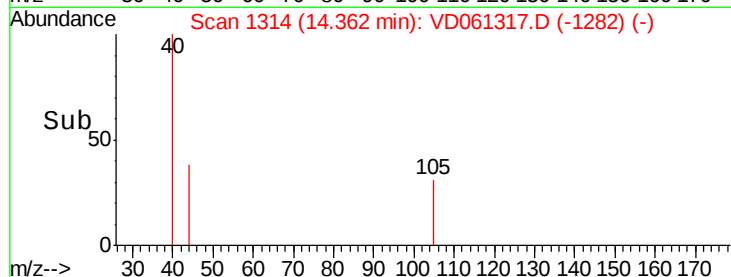
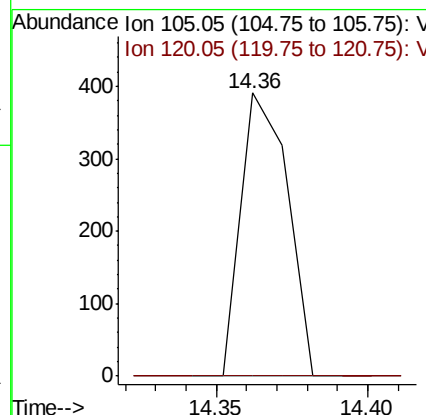
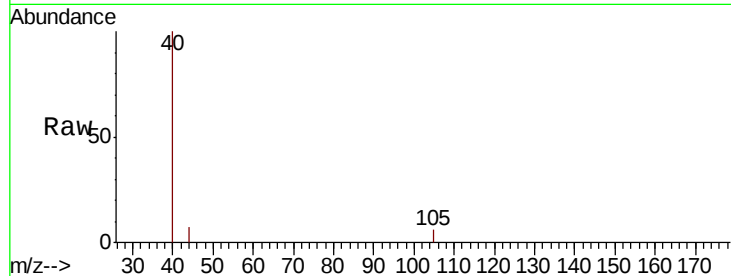




#80
 1,3,5-Trimethylbenzene
 Concen: 22.620 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. 0.12 min
 Lab File: VD061317.D
 Acq: 26 Mar 2019 00:36

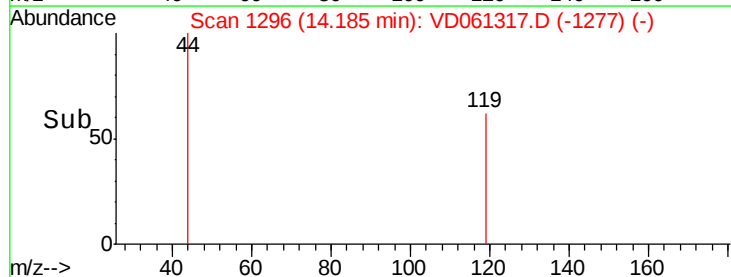
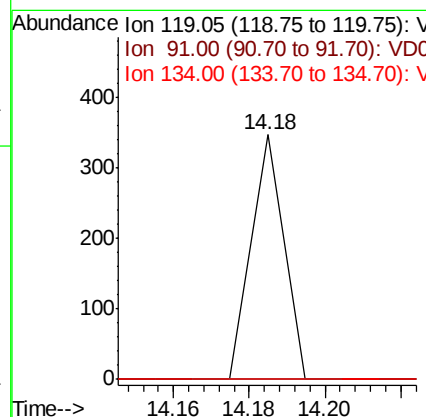
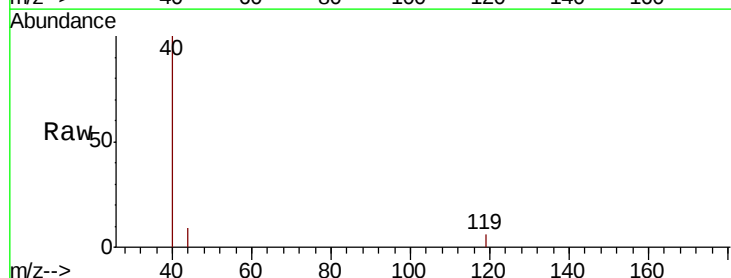
Instrument :
 MSVOA_D
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 VD0325SBS02

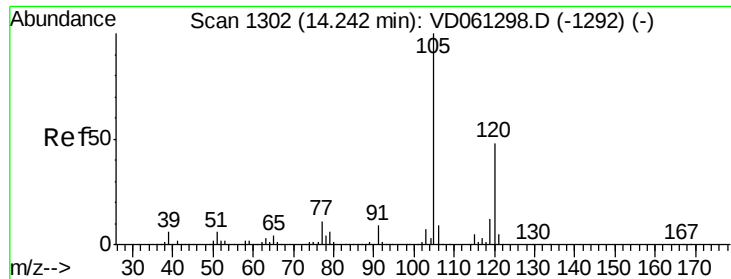
Tot Ion:105 Resp: 419
 Ion Ratio Lower Upper
 105 100
 120 0.0 23.8 71.4#



#83
 tert-Butylbenzene
 Concen: 9.693 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. -0.01 min
 Lab File: VD061317.D
 Acq: 26 Mar 2019 00:36

Tgt Ion:119 Resp: 205
 Ion Ratio Lower Upper
 119 100
 91 0.0 31.1 93.5#
 134 0.0 11.9 35.7#

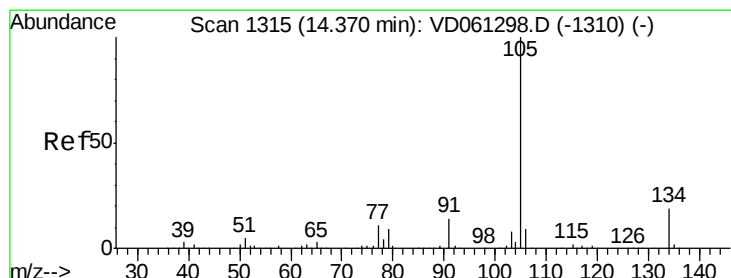
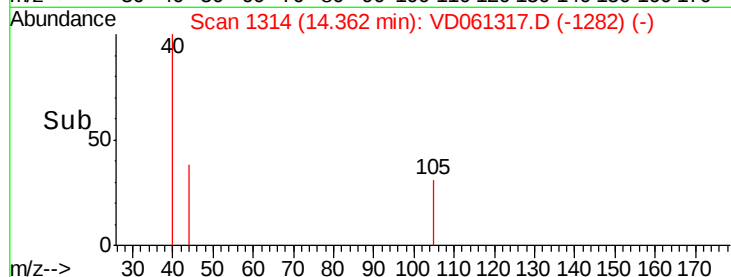
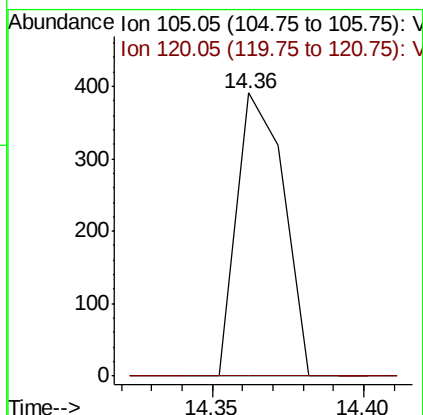
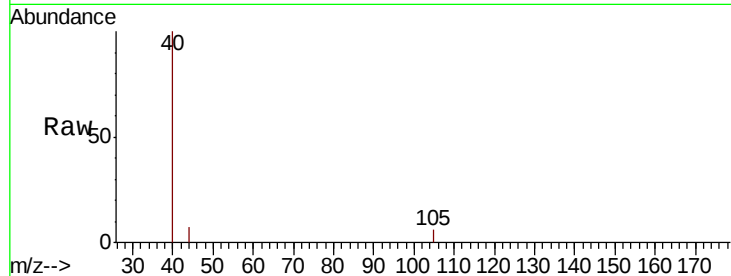




#84
 1,2,4-Trimethylbenzene
 Concen: 22.620 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. 0.12 min
 Lab File: VD061317.D
 Acq: 26 Mar 2019 00:36

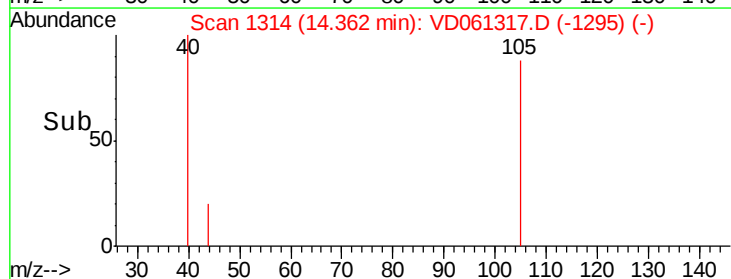
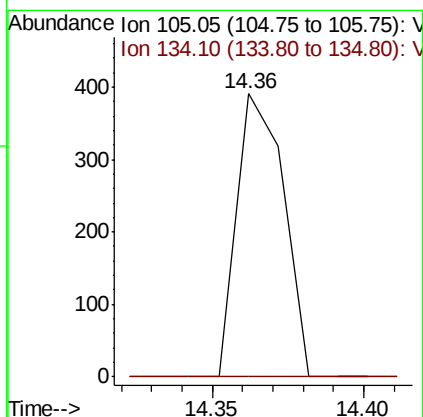
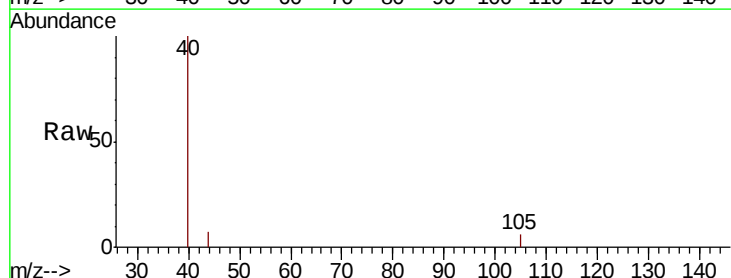
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0325SBS02

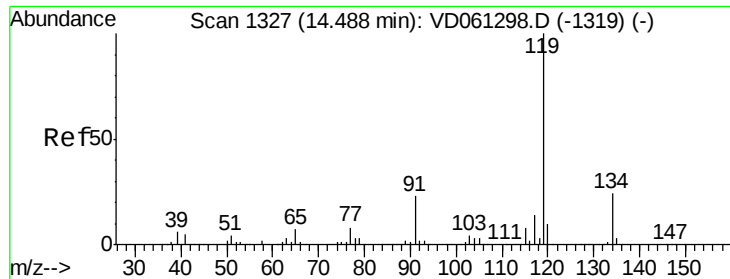
Tot Ion:105 Resp: 419
 Ion Ratio Lower Upper
 105 100
 120 0.0 23.8 71.4#



#85
 sec-Butylbenzene
 Concen: 17.789 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VD061317.D
 Acq: 26 Mar 2019 00:36

Tgt Ion:105 Resp: 419
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.5 28.5#





#86

p-Isopropyltoluene

Concen: 11.802 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VD061317.D

Acq: 26 Mar 2019 00:36

Instrument :

MSVOA_D

ClientSampleId :

VD0325SBS02

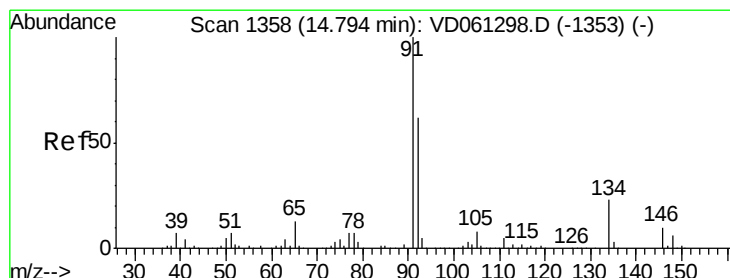
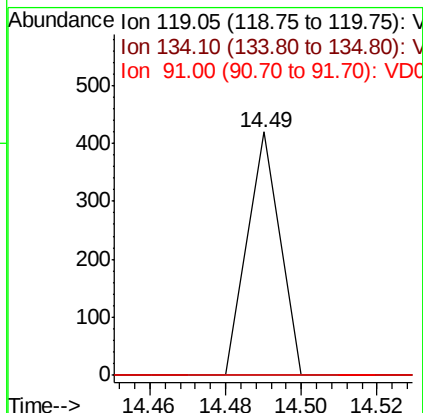
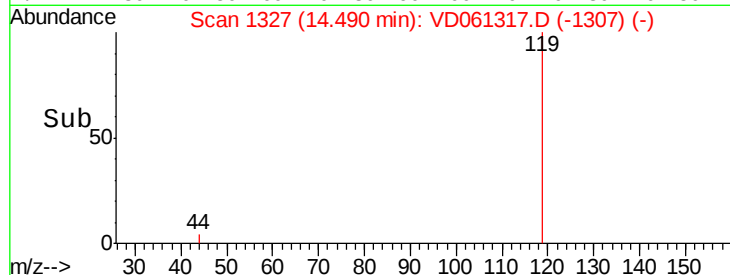
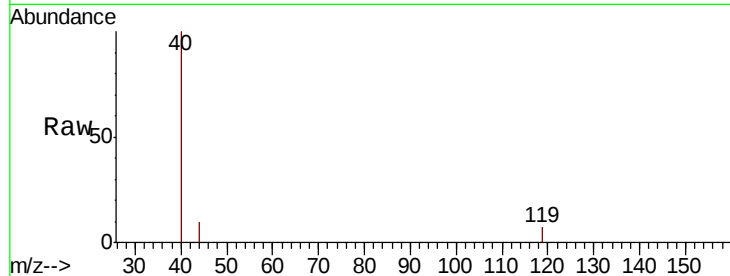
Tot Ion:119 Resp: 248

Ion Ratio Lower Upper

119 100

134 0.0 12.1 36.3#

91 0.0 11.4 34.2#



#89

n-Butylbenzene

Concen: 11.096 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD061317.D

Acq: 26 Mar 2019 00:36

Tgt Ion: 91 Resp: 207

Ion Ratio Lower Upper

91 100

92 0.0 30.9 92.7#

134 0.0 11.7 35.0#

