

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD031219\
 Data File : VD061034.D
 Acq On : 12 Mar 2019 19:50
 Operator : VA/AP
 Sample : K1843-01
 Misc : 5.23g/5ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 GATE-SOIL-BOX

Quant Time: Mar 13 04:10:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

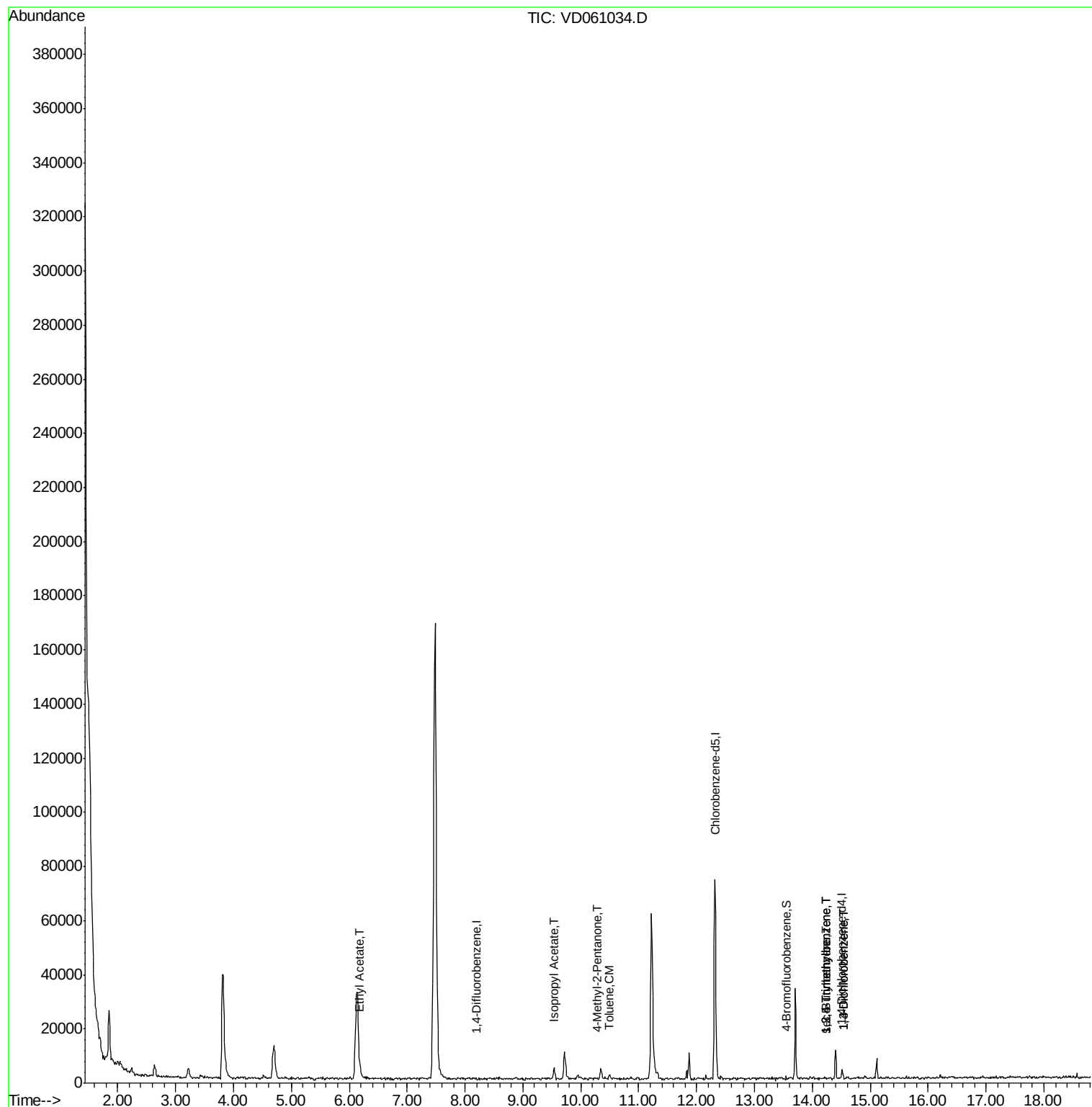
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	0.00	168	0	0.00	ug/l	-7.04
34) 1,4-Difluorobenzene	8.20	114	200	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.32	117	922	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	14.51	152	722	50.00	ug/l	0.00
System Monitoring Compounds						
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	0.00	98	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	13.55	95	306	211.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	423.16%	
Target Compounds						
					Qvalue	
37) Ethyl Acetate	6.18	43	188	232.386	ug/l #	66
43) Isopropyl Acetate	9.54	43	3096	2763.070	ug/l #	43
51) 4-Methyl-2-Pentanone	10.29	43	189	275.332	ug/l #	37
52) Toluene	10.49	92	780	291.182	ug/l #	71
80) 1,3,5-Trimethylbenzene	14.23	105	203	5.139	ug/l #	31
84) 1,2,4-Trimethylbenzene	14.23	105	203	5.139	ug/l #	31
85) sec-Butylbenzene	14.23	105	203	3.846	ug/l #	58
87) 1,3-Dichlorobenzene	14.53	146	262	11.047	ug/l #	25
88) 1,4-Dichlorobenzene	14.53	146	262	11.241	ug/l #	25

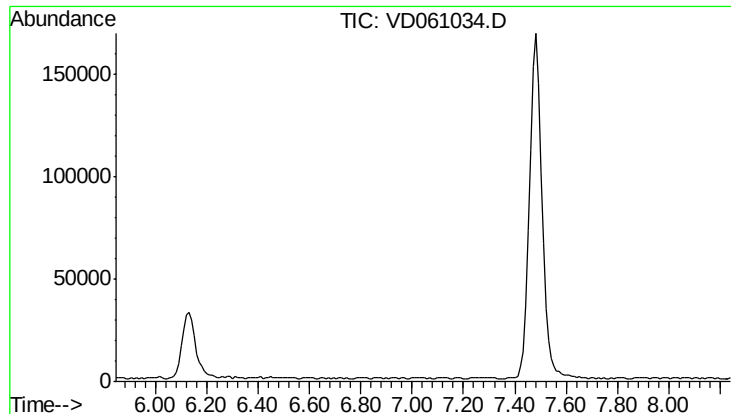
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 0.000 ug/l

Expected RT: 7.04 min

Lab File: VD061034.D

Acq: 12 Mar 2019 19:50

Tgt Ion: 168

Sig Exp Ratio

168 100

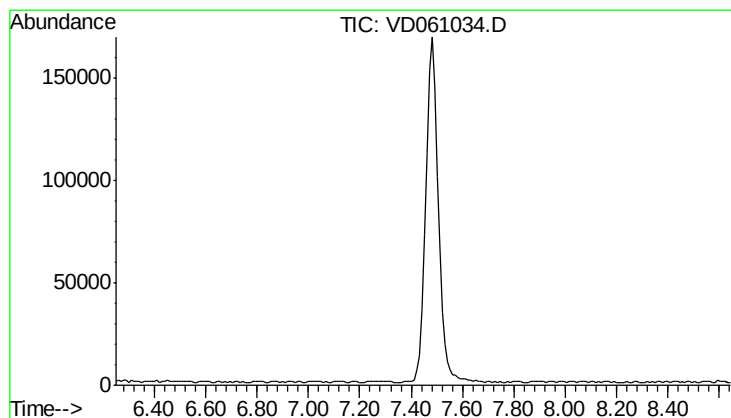
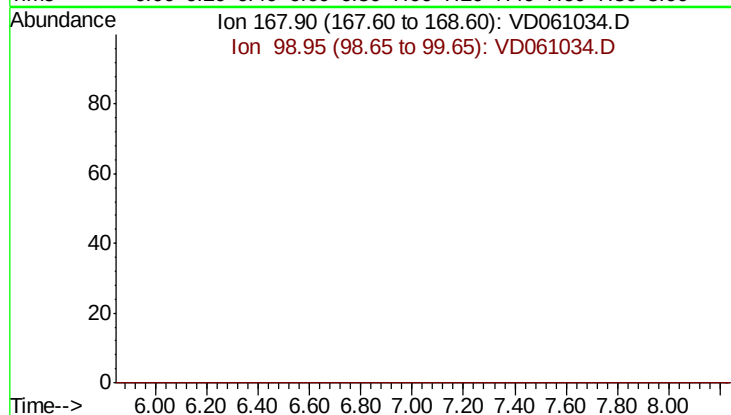
99 59.1

Instrument :

MSVOA_D

ClientSampleId :

GATE-SOIL-BOX



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

Expected RT: 7.45 min

Lab File: VD061034.D

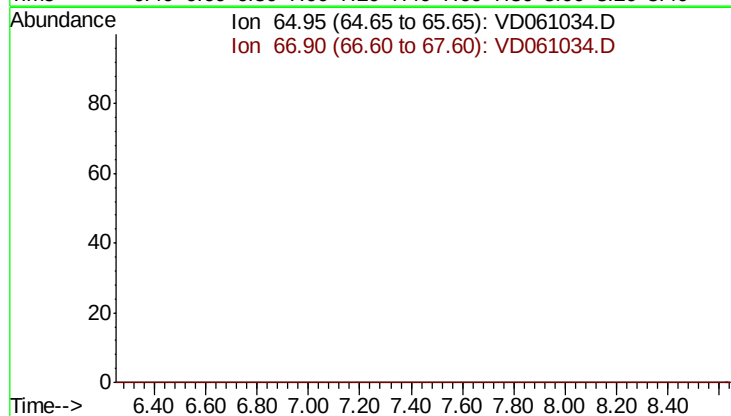
Acq: 12 Mar 2019 19:50

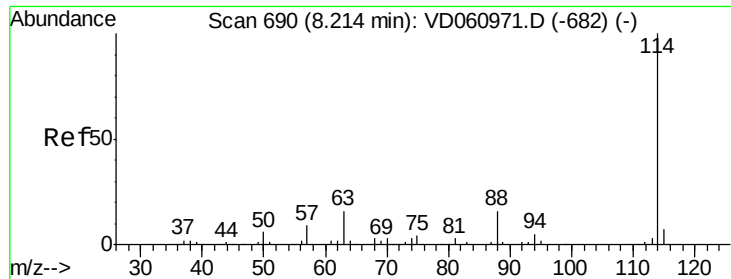
Tgt Ion: 65

Sig Exp Ratio

65 100

67 52.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.20 min Scan# 688

Delta R.T. -0.01 min

Lab File: VD061034.D

Acq: 12 Mar 2019 19:50

Instrument :

MSVOA_D

ClientSampleId :

GATE-SOIL-BOX

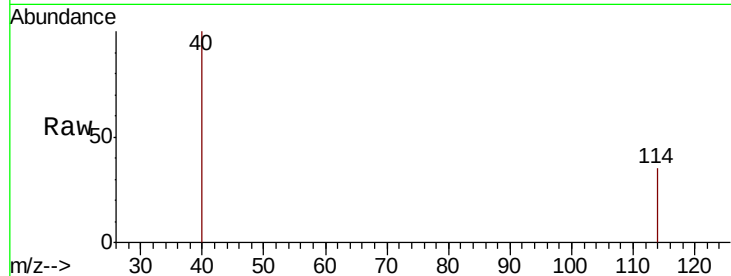
Tgt Ion:114 Resp: 200

Ion Ratio Lower Upper

114 100

63 0.0 0.0 31.4

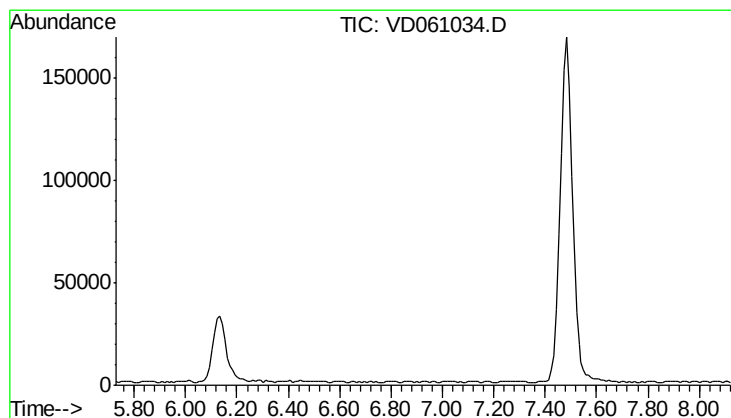
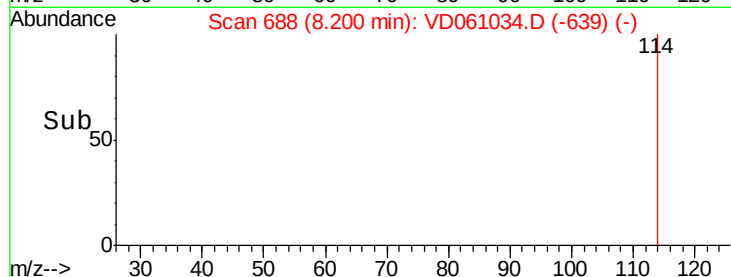
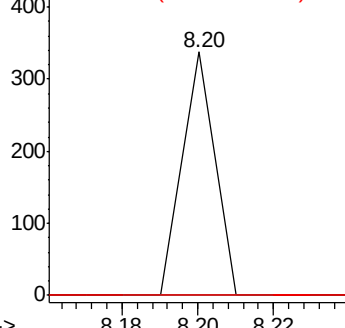
88 0.0 0.0 33.0



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

Expected RT: 6.92 min

Lab File: VD061034.D

Acq: 12 Mar 2019 19:50

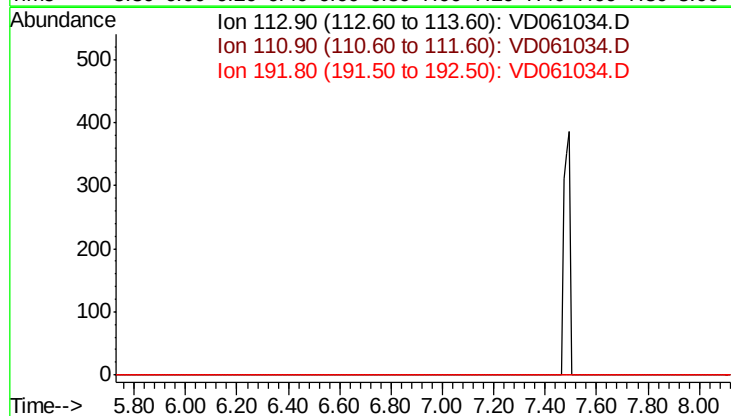
Tgt Ion: 113

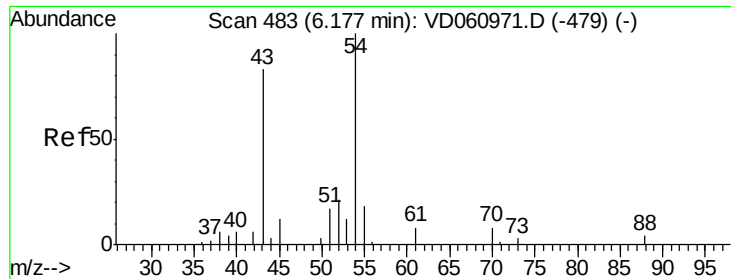
Sig Exp Ratio

113 100

111 105.3

192 16.4





#37

Ethyl Acetate

Concen: 232.386 ug/l

RT: 6.18 min Scan# 483

Delta R.T. 0.01 min

Lab File: VD061034.D

Acq: 12 Mar 2019 19:50

Instrument :

MSVOA_D

ClientSampleId :

GATE-SOIL-BOX

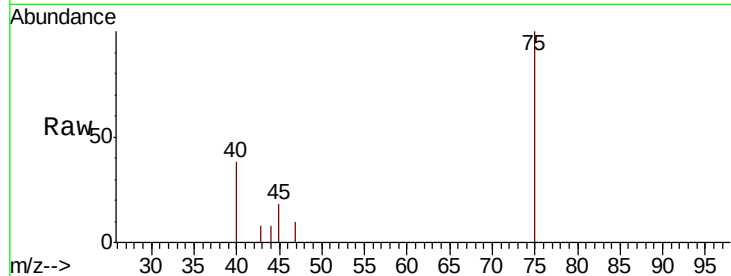
Tgt Ion: 43 Resp: 188

Ion Ratio Lower Upper

43 100

61 0.0 13.7 20.5#

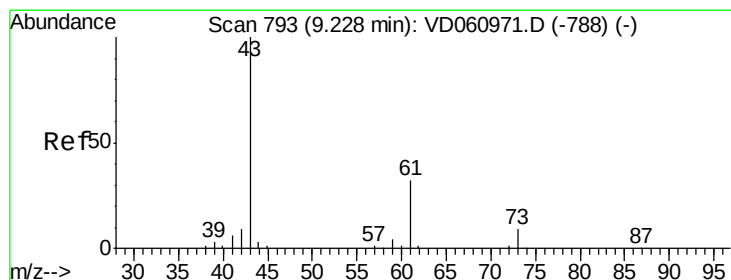
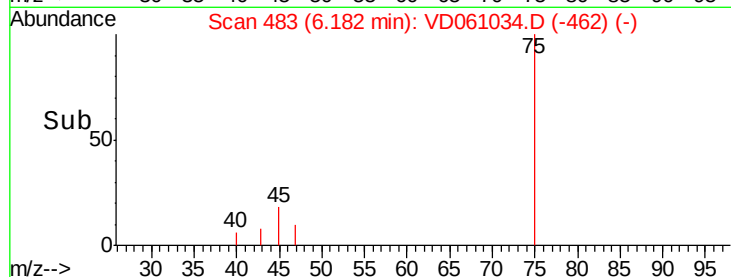
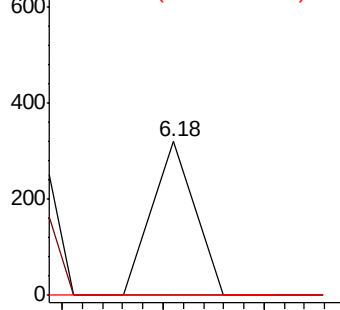
70 0.0 7.1 10.7#



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



#43

Isopropyl Acetate

Concen: 2763.070 ug/l

RT: 9.54 min Scan# 824

Delta R.T. 0.31 min

Lab File: VD061034.D

Acq: 12 Mar 2019 19:50

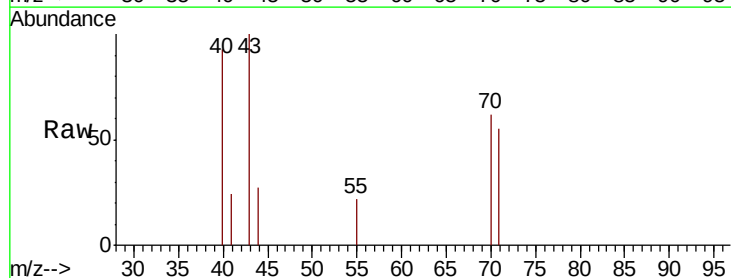
Tgt Ion: 43 Resp: 3096

Ion Ratio Lower Upper

43 100

61 0.0 25.6 38.4#

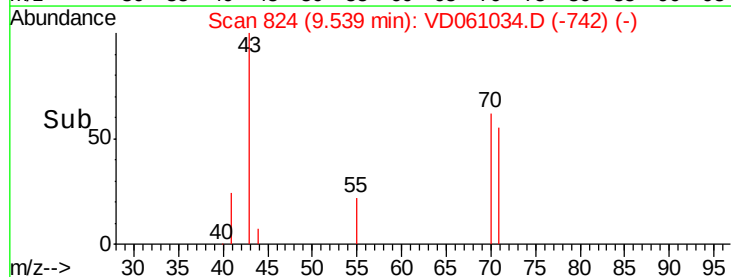
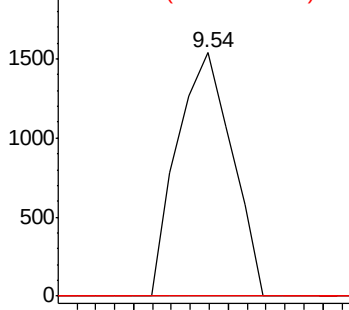
87 0.0 0.2 0.4#

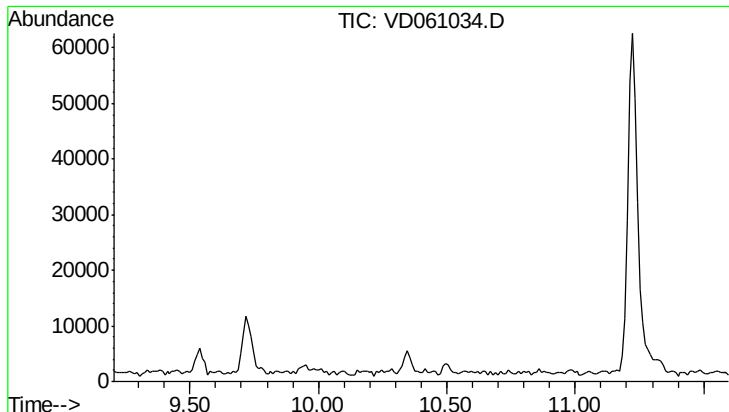


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC

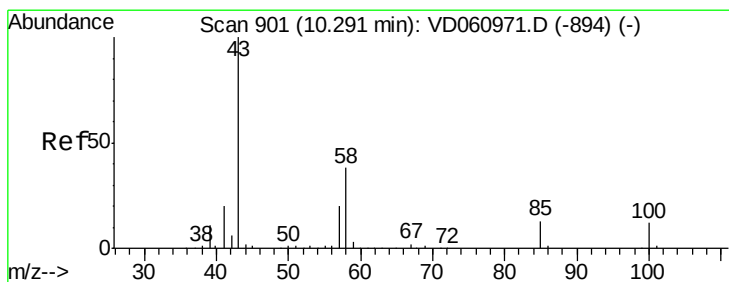
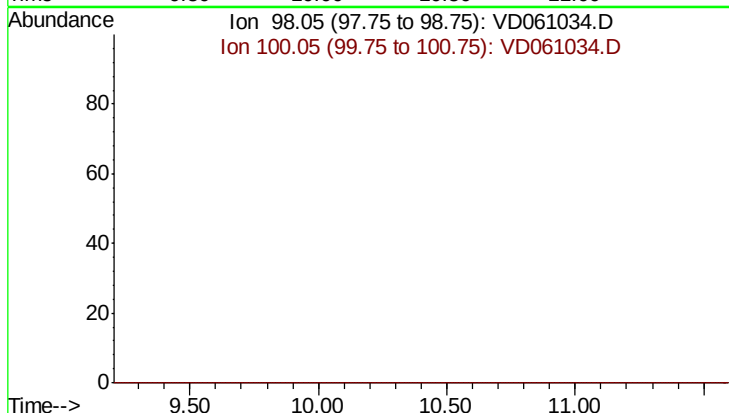




#50
Toluene-d8
Concen: N.D. ug/l
Expected RT: 10.40 min
Lab File: VD061034.D
Acq: 12 Mar 2019 19:50

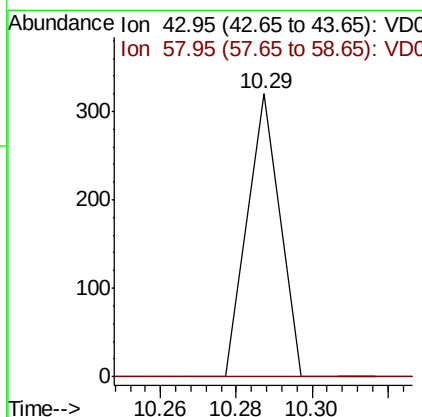
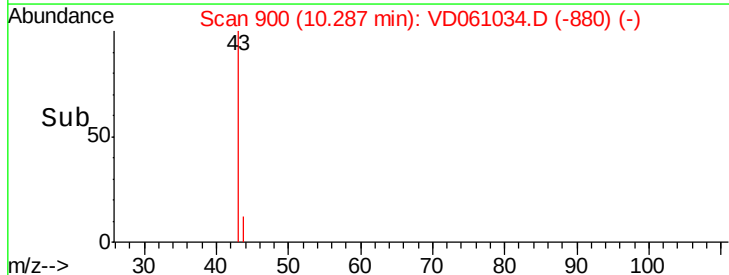
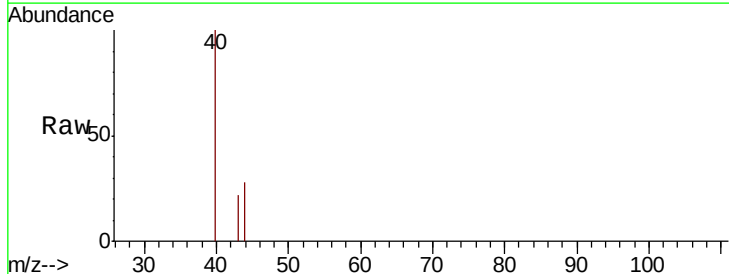
Instrument :
MSVOA_D
ClientSampleId :
GATE-SOIL-BOX

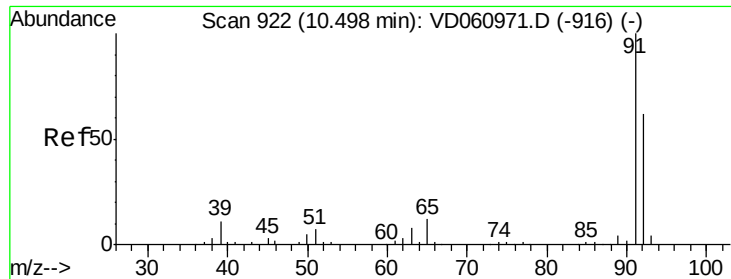
Tgt Ion: 98
Sig Exp Ratio
98 100
100 71.8



#51
4-Methyl-2-Pentanone
Concen: 275.332 ug/l
RT: 10.29 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD061034.D
Acq: 12 Mar 2019 19:50

Tgt Ion: 43 Resp: 189
Ion Ratio Lower Upper
43 100
58 0.0 30.2 45.2#





#52

Toluene

Concen: 291.182 ug/l

RT: 10.49 min Scan# 921

Delta R.T. -0.00 min

Lab File: VD061034.D

Acq: 12 Mar 2019 19:50

Instrument :

MSVOA_D

ClientSampleId :

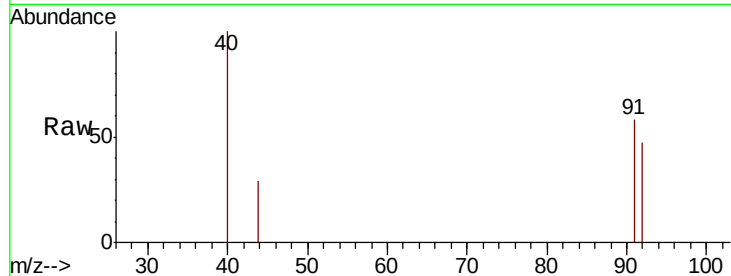
GATE-SOIL-BOX

Tgt Ion: 92 Resp: 780

Ion Ratio Lower Upper

92 100

91 124.3 129.8 194.8#



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

800

600

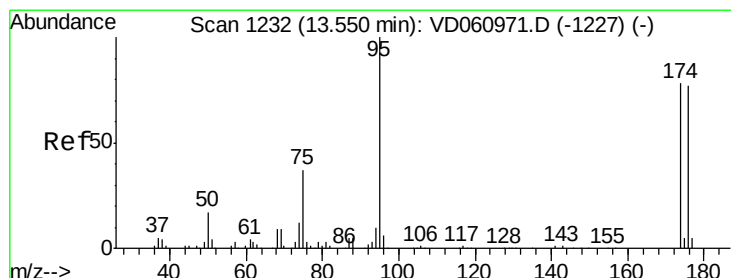
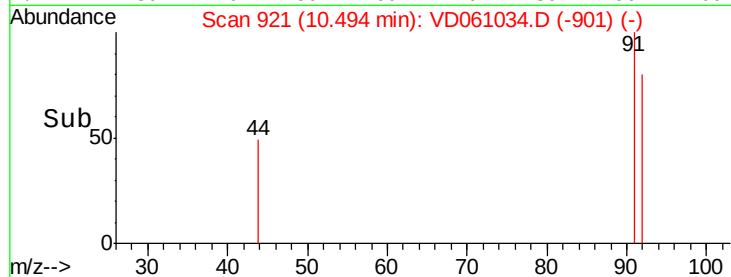
400

200

0

10.45 10.50

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VD061034.D

Acq: 12 Mar 2019 19:50

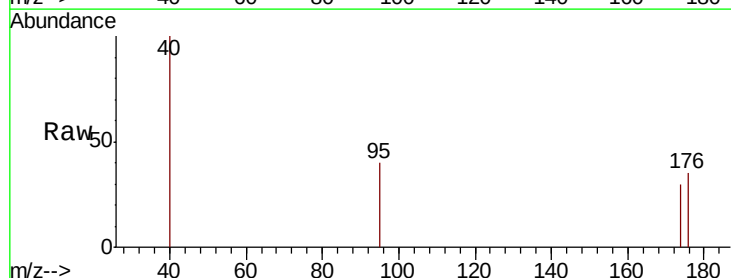
Tgt Ion: 95 Resp: 306

Ion Ratio Lower Upper

95 100

174 75.1 0.0 155.6

176 89.2 0.0 153.8



Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

600

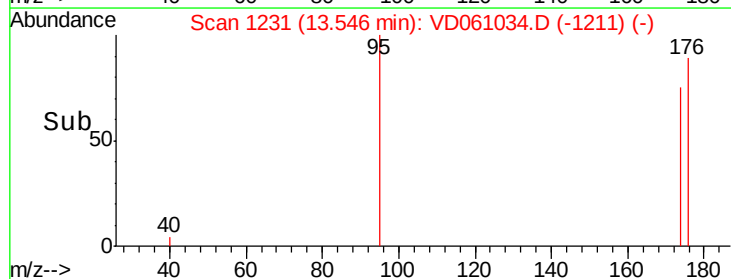
400

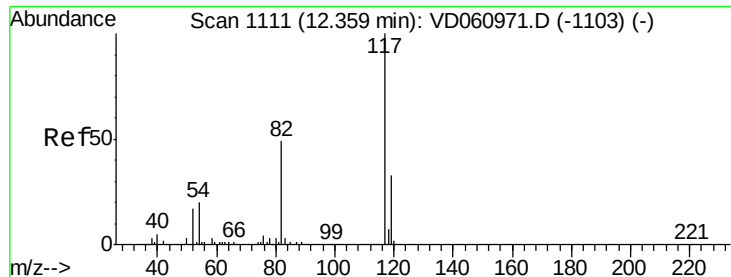
200

0

13.52 13.54 13.56

Time-->

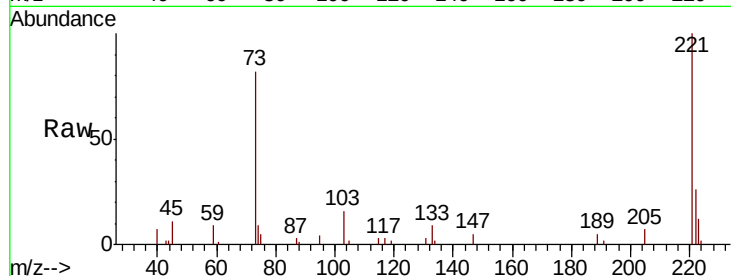




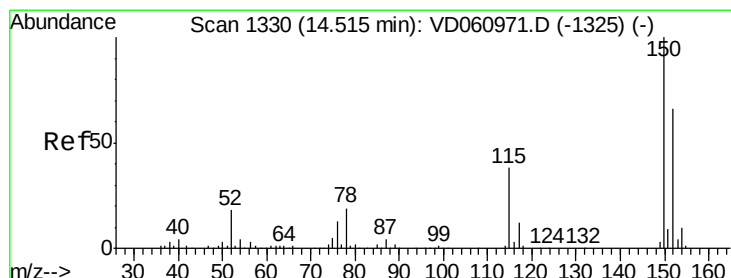
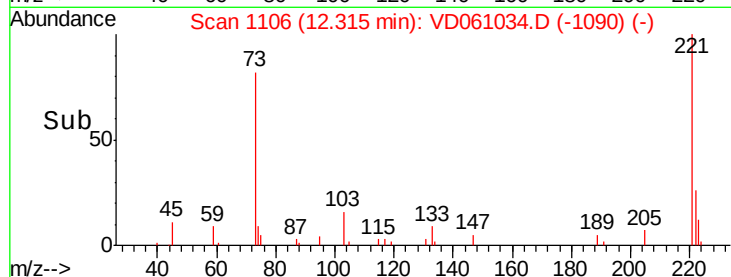
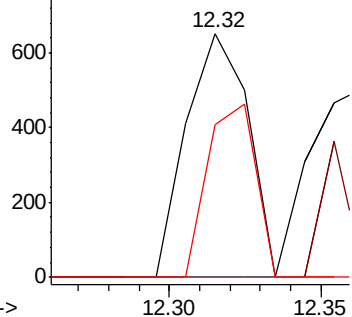
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.32 min Scan# 1106
Delta R.T. -0.04 min
Lab File: VD061034.D
Acq: 12 Mar 2019 19:50

Instrument :
MSVOA_D
ClientSampleId :
GATE-SOIL-BOX

Tgt Ion:117 Resp: 922
Ion Ratio Lower Upper
117 100
82 0.0 38.9 58.3#
119 62.7 26.6 39.8#

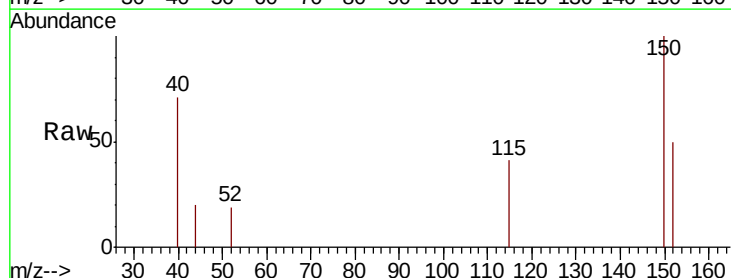


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

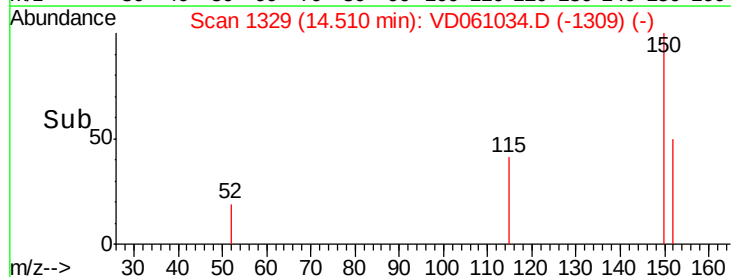
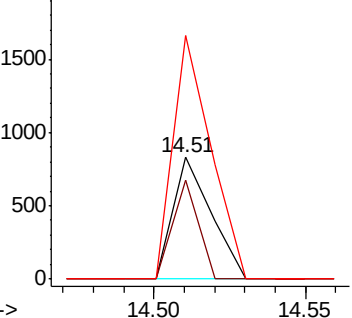


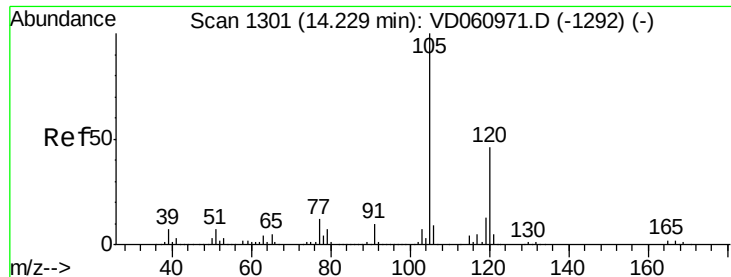
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.00 min
Lab File: VD061034.D
Acq: 12 Mar 2019 19:50

Tgt Ion:152 Resp: 722
Ion Ratio Lower Upper
152 100
115 81.3 28.6 85.9
150 200.1 0.0 310.6



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

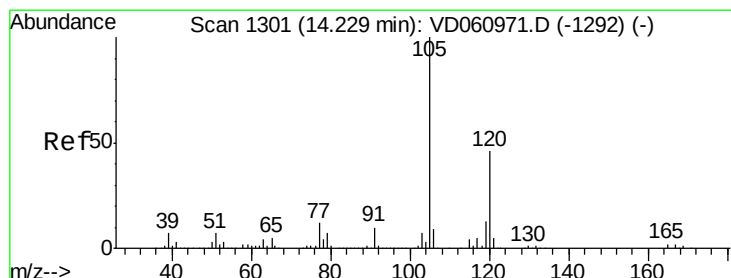
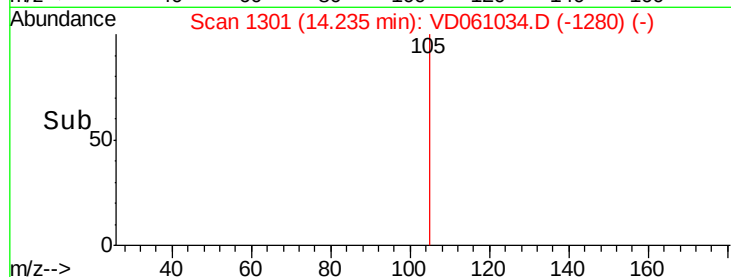
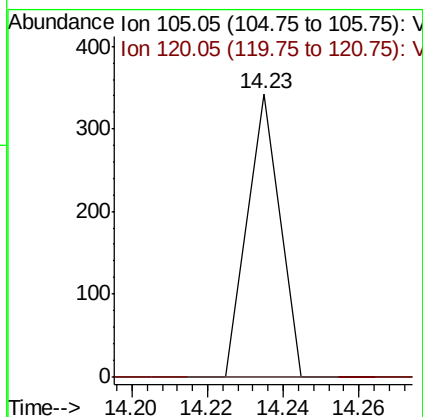
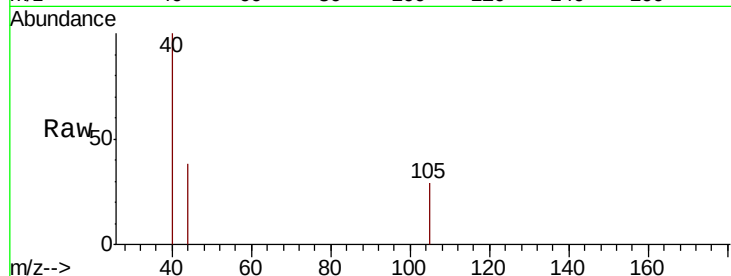




#80
 1,3,5-Trimethylbenzene
 Concen: 5.139 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. 0.01 min
 Lab File: VD061034.D
 Acq: 12 Mar 2019 19:50

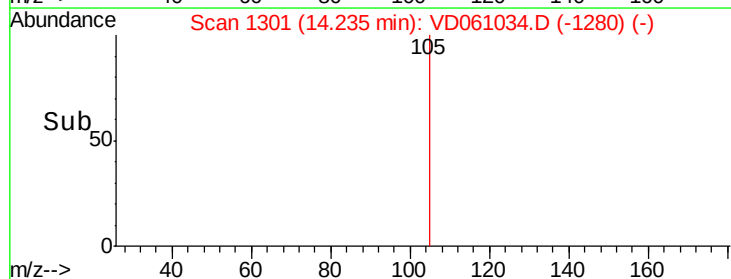
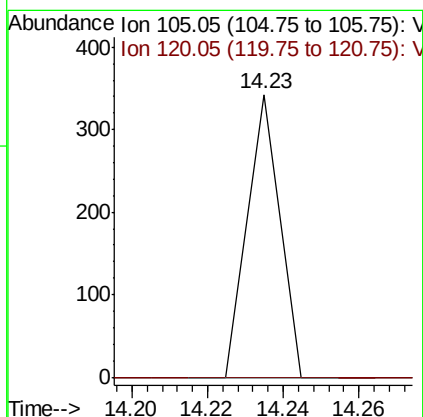
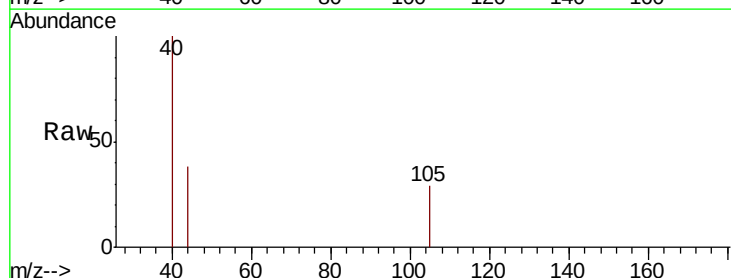
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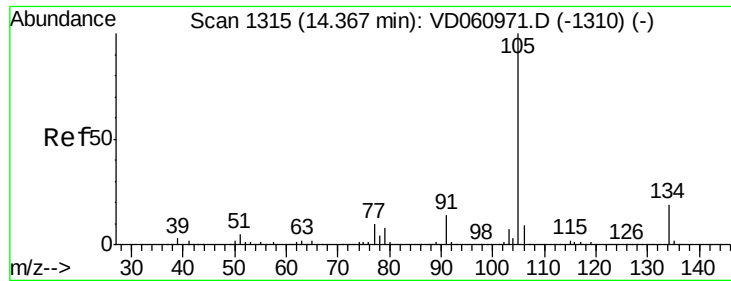
Tgt Ion:105 Resp: 203
 Ion Ratio Lower Upper
 105 100
 120 0.0 22.9 68.5#



#84
 1,2,4-Trimethylbenzene
 Concen: 5.139 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. 0.01 min
 Lab File: VD061034.D
 Acq: 12 Mar 2019 19:50

Tgt Ion:105 Resp: 203
 Ion Ratio Lower Upper
 105 100
 120 0.0 22.9 68.5#

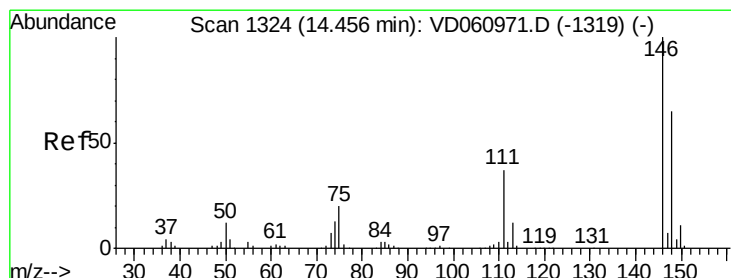
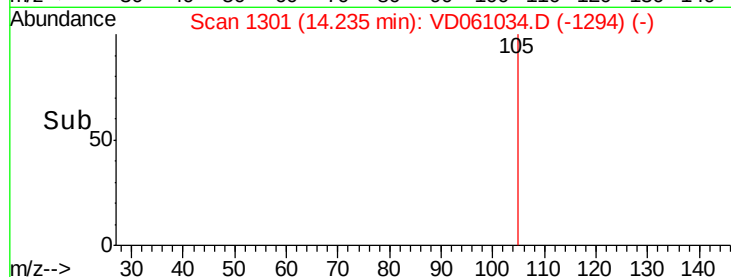
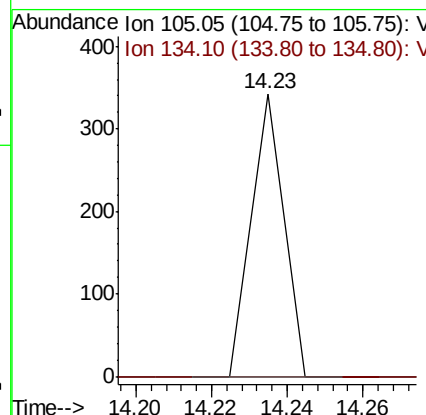
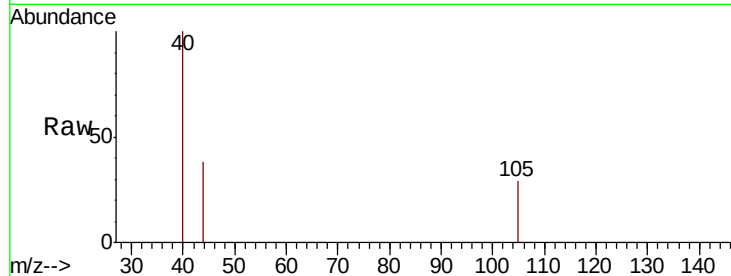




#85
 sec-Butylbenzene
 Concen: 3.846 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. -0.13 min
 Lab File: VD061034.D
 Acq: 12 Mar 2019 19:50

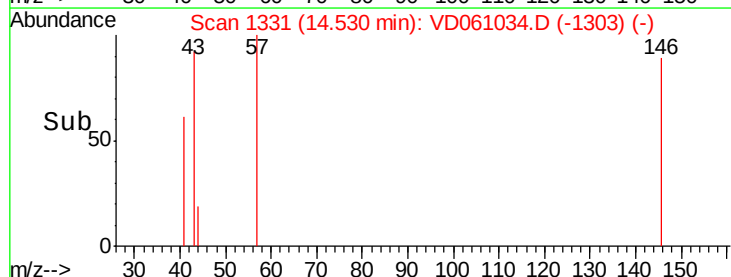
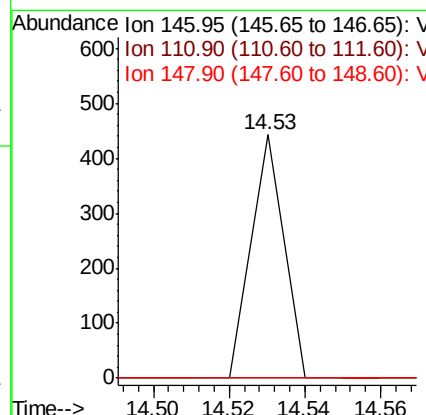
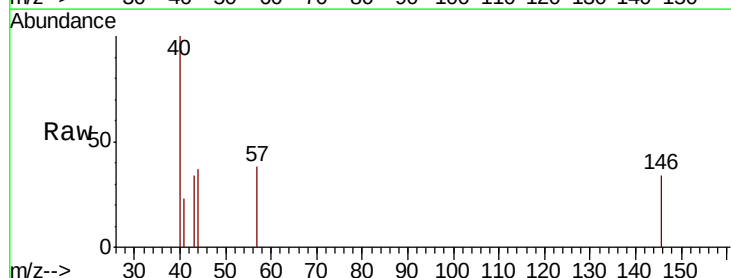
Instrument :
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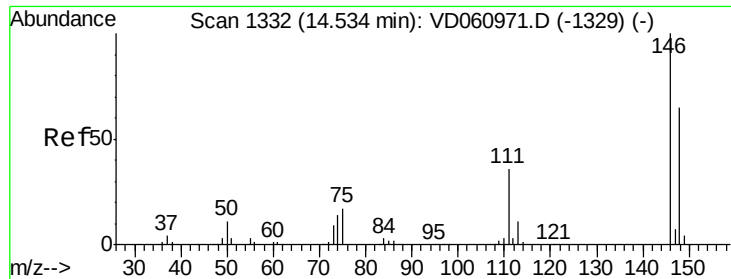
Tgt Ion:105 Resp: 203
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.4 28.2#



#87
 1,3-Dichlorobenzene
 Concen: 11.047 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. 0.07 min
 Lab File: VD061034.D
 Acq: 12 Mar 2019 19:50

Tgt Ion:146 Resp: 262
 Ion Ratio Lower Upper
 146 100
 111 0.0 18.4 55.4#
 148 0.0 32.5 97.4#





#88

1,4-Dichlorobenzene

Concen: 11.241 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. -0.00 min

Lab File: VD061034.D

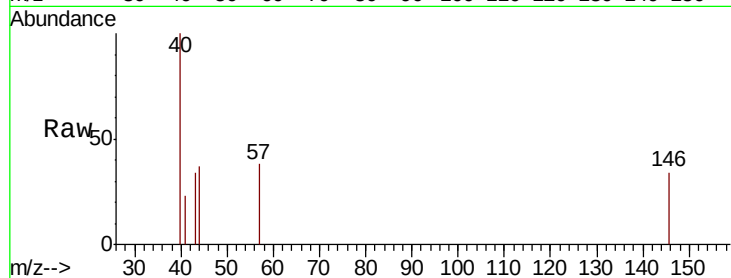
Acq: 12 Mar 2019 19:50

Instrument :

MSVOA_D

ClientSampleId :

GATE-SOIL-BOX



Tgt Ion:	146	Resp:	262
Ion	Ratio	Lower	Upper
146	100		
111	0.0	18.4	55.2#
148	0.0	32.5	97.5#

