

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100518\
 Data File : VD060143.D
 Acq On : 5 Oct 2018 18:03
 Operator : VA/AP
 Sample : J5305-02
 Misc : 6.42g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 331-SAND-SOIL

Quant Time: Oct 06 00:19:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

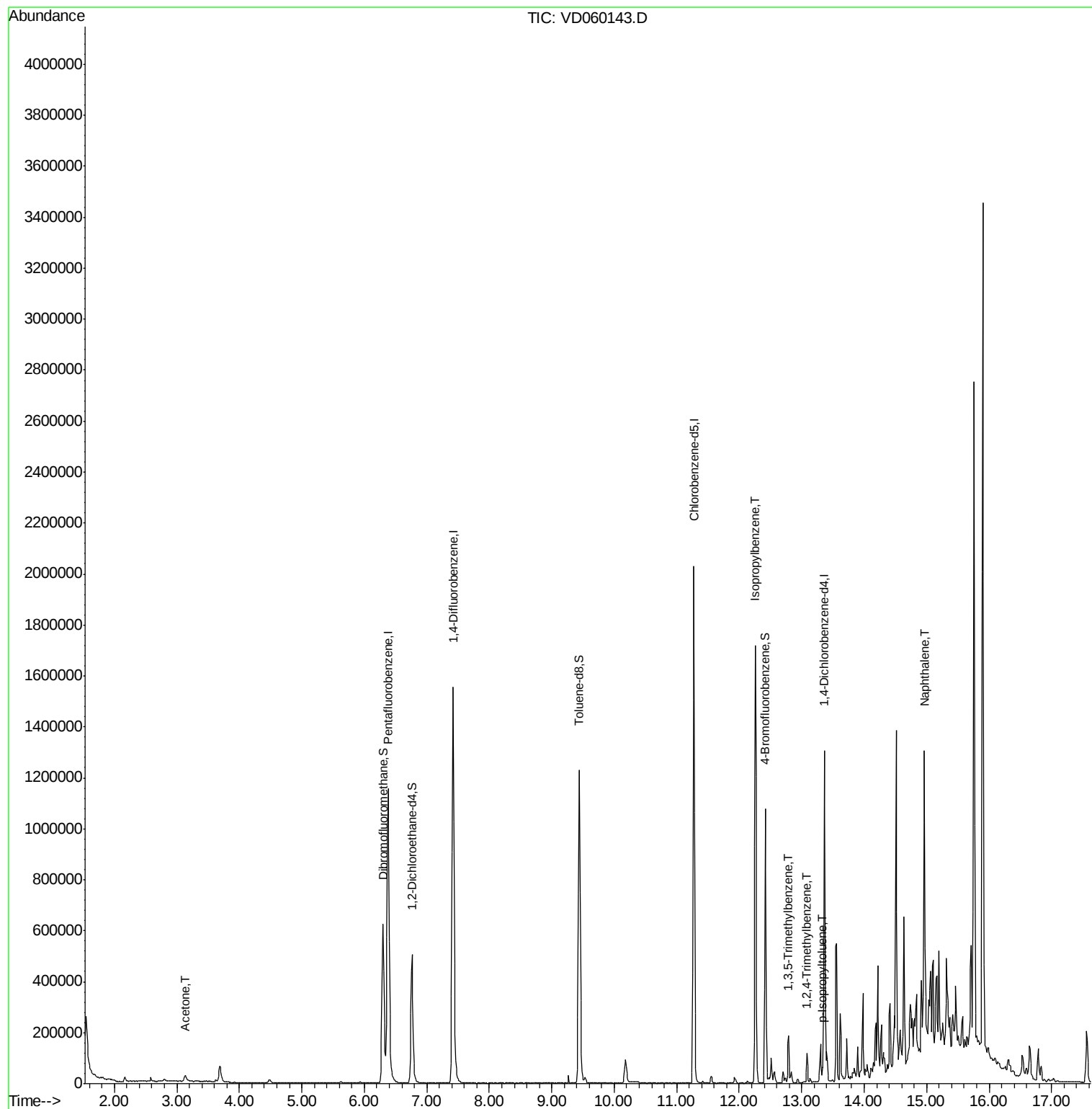
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1147001	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.43	114	1660484	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1071323	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	319729	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.77	65	393275	45.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.46%	
35) Dibromofluoromethane	6.29	113	500280	39.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.36%	
50) Toluene-d8	9.43	98	1040378	28.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	57.86%	
62) 4-Bromofluorobenzene	12.41	95	306166	22.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	45.48%	
Target Compounds						
16) Acetone	3.13	43	44104	27.956	ug/l	97
73) Isopropylbenzene	12.26	105	59245	2.809	ug/l #	67
80) 1,3,5-Trimethylbenzene	12.79	105	88247	5.406	ug/l	92
84) 1,2,4-Trimethylbenzene	13.08	105	48376	2.812	ug/l	95
86) p-Isopropyltoluene	13.33	119	26712	1.470	ug/l	96
95) Naphthalene	14.96	128	720857	63.807	ug/l	99

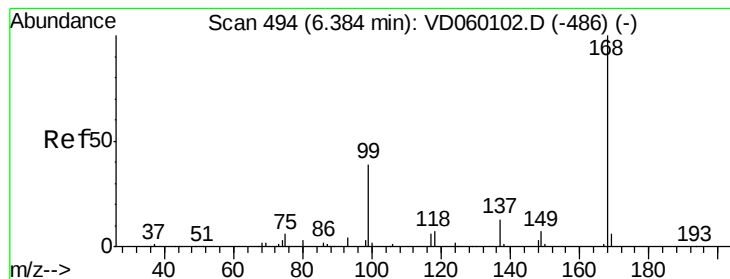
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100518\
Data File : VD060143.D
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Quant Time: Oct 06 00:19:14 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 06:56:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.38 min Scan# 494

Delta R.T. -0.00 min

Lab File: VD060143.D

Acq: 5 Oct 2018 18:03

Instrument :

MSVOA_D

ClientSampleId :

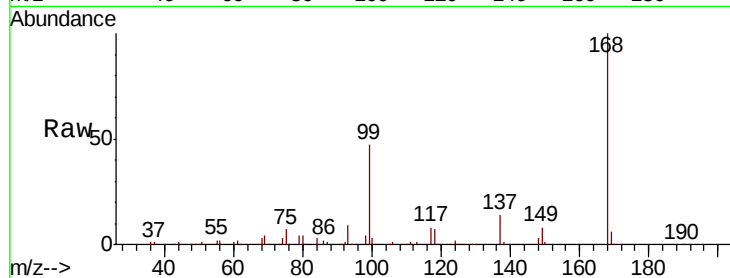
331-SAND-SOIL

Tot Ion:168 Resp: 1147001

Ion Ratio Lower Upper

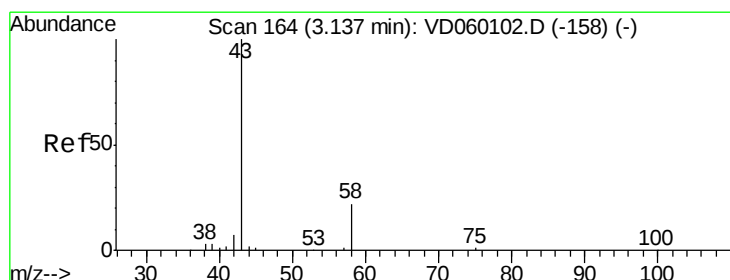
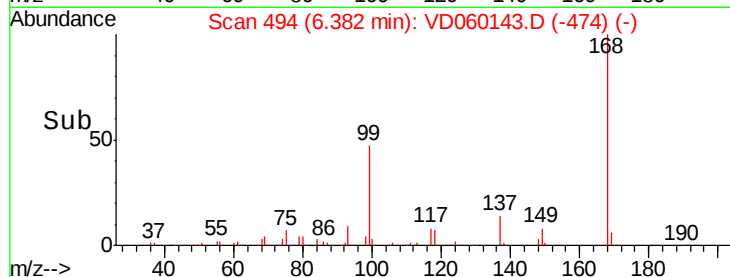
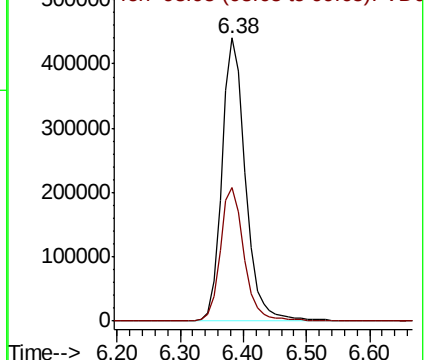
168 100

99 47.3 35.4 53.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 27.956 ug/l

RT: 3.13 min Scan# 164

Delta R.T. -0.00 min

Lab File: VD060143.D

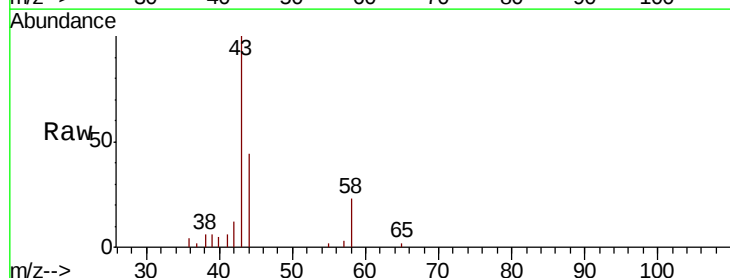
Acq: 5 Oct 2018 18:03

Tgt Ion: 43 Resp: 44104

Ion Ratio Lower Upper

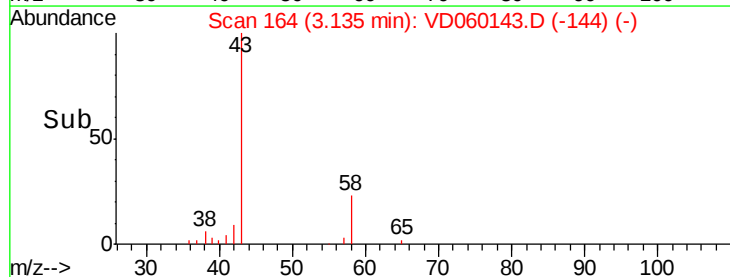
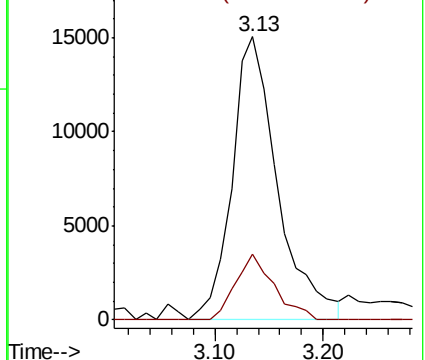
43 100

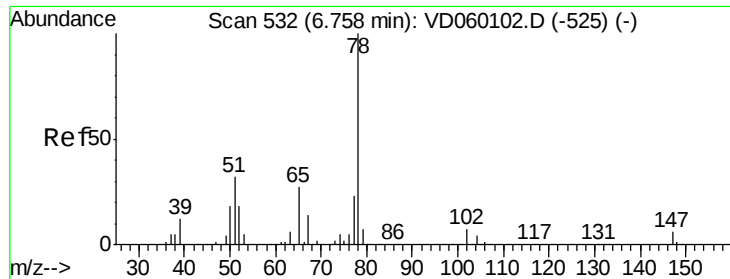
58 23.3 17.7 26.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.77 min Scan# 533

Delta R.T. 0.01 min

Lab File: VD060143.D

Acq: 5 Oct 2018 18:03

Instrument :

MSVOA_D

ClientSampleId :

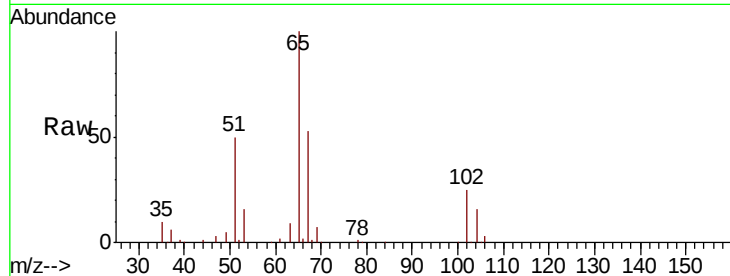
331-SAND-SOIL

Tot Ion: 65 Resp: 393275

Ion Ratio Lower Upper

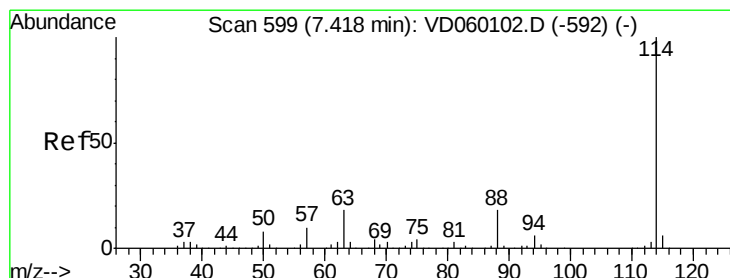
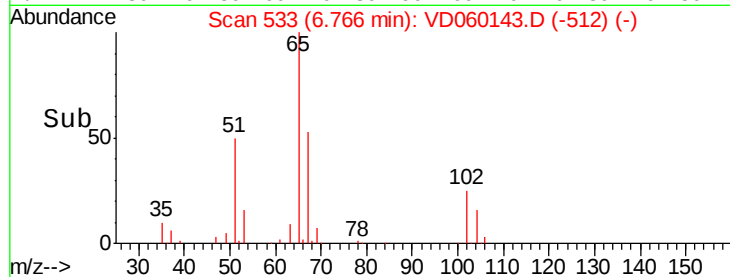
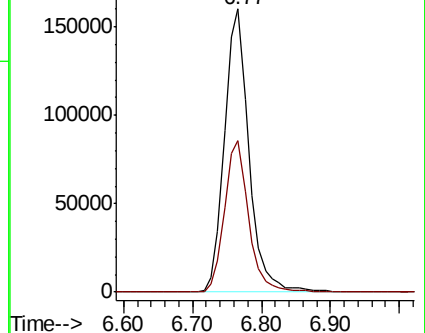
65 100

67 53.3 0.0 106.2



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: 7.43 min Scan# 600

Delta R.T. 0.01 min

Lab File: VD060143.D

Acq: 5 Oct 2018 18:03

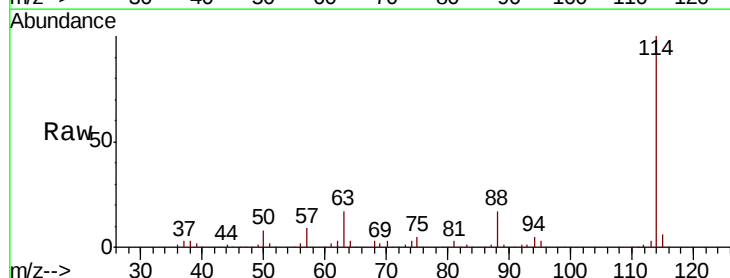
Tgt Ion:114 Resp: 1660484

Ion Ratio Lower Upper

114 100

63 17.0 0.0 36.0

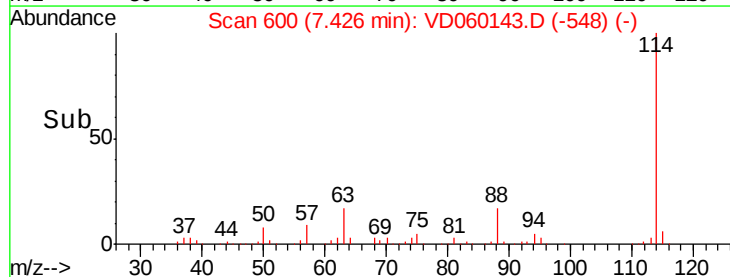
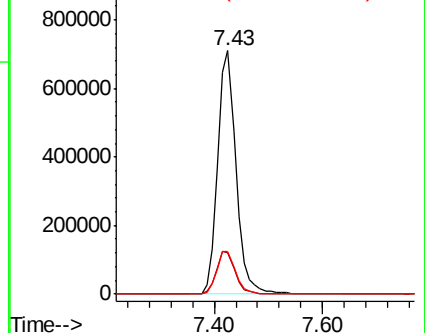
88 17.4 0.0 36.2

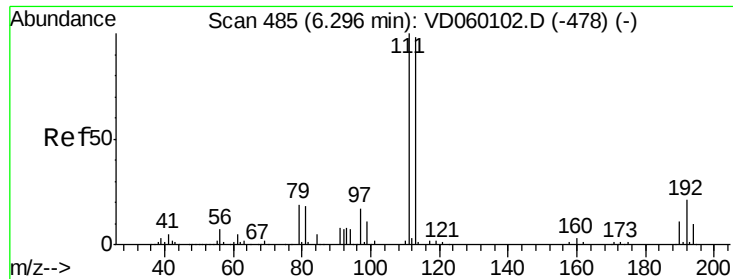


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.29 min Scan# 485

Delta R.T. -0.00 min

Lab File: VD060143.D

Acq: 5 Oct 2018 18:03

Instrument :

MSVOA_D

ClientSampleId :

331-SAND-SOIL

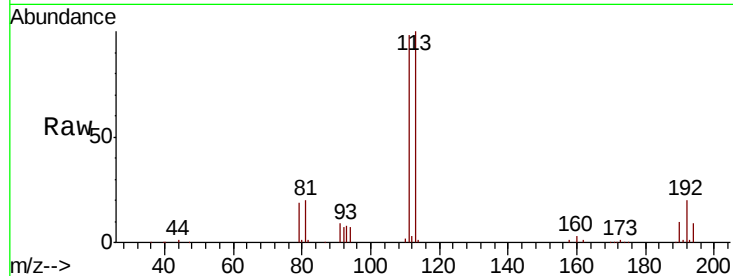
Tot Ion:113 Resp: 500280

Ion Ratio Lower Upper

113 100

111 98.4 81.5 122.3

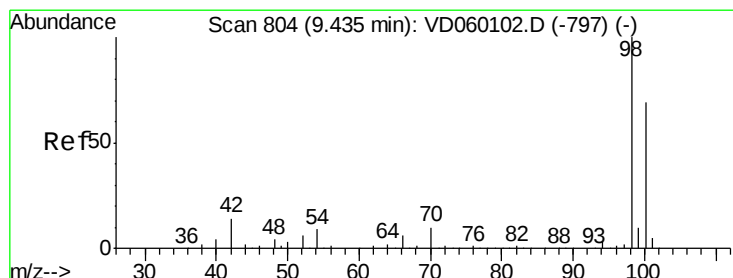
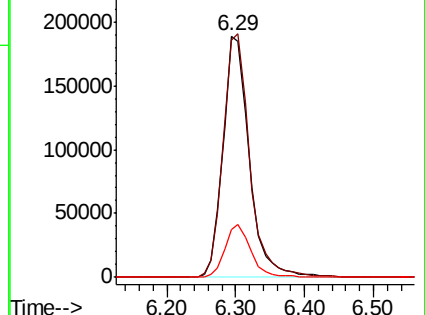
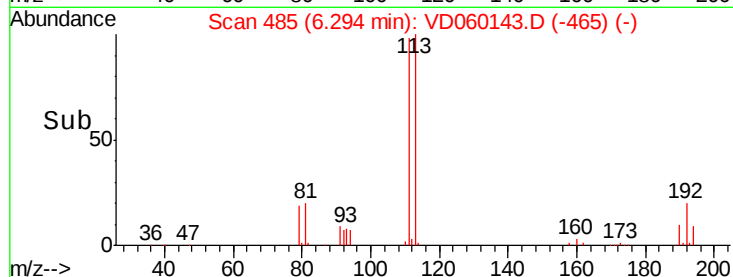
192 19.7 17.4 26.0



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



#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.43 min Scan# 804

Delta R.T. -0.00 min

Lab File: VD060143.D

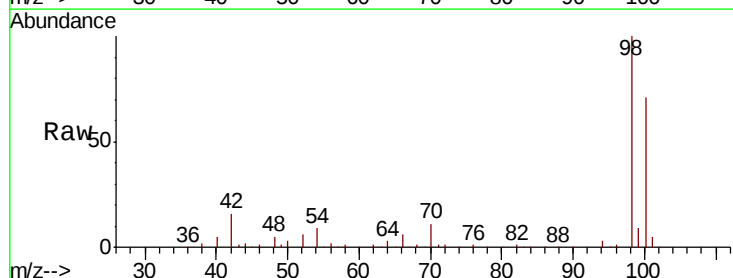
Acq: 5 Oct 2018 18:03

Tgt Ion: 98 Resp: 1040378

Ion Ratio Lower Upper

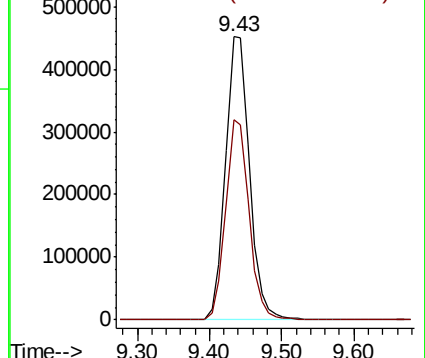
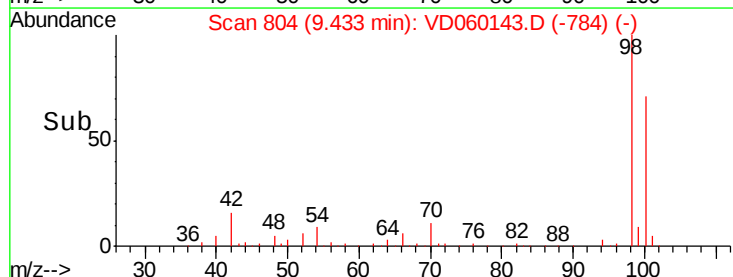
98 100

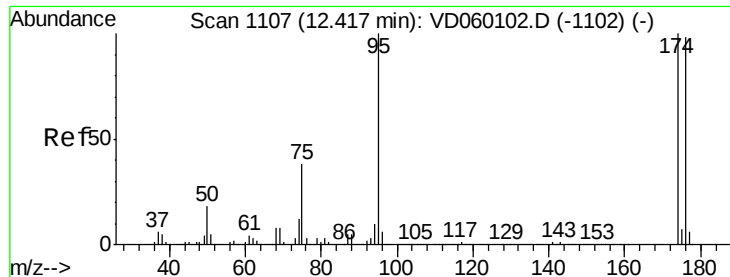
100 70.5 55.4 83.0



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.41 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VD060143.D

Acq: 5 Oct 2018 18:03

Instrument :

MSVOA_D

ClientSampleId :

331-SAND-SOIL

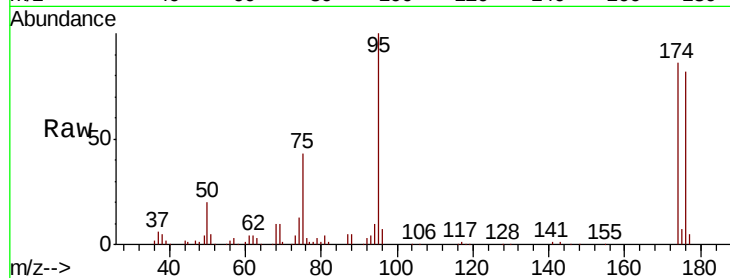
Tot Ion: 95 Resp: 306166

Ion Ratio Lower Upper

95 100

174 86.2 0.0 200.2

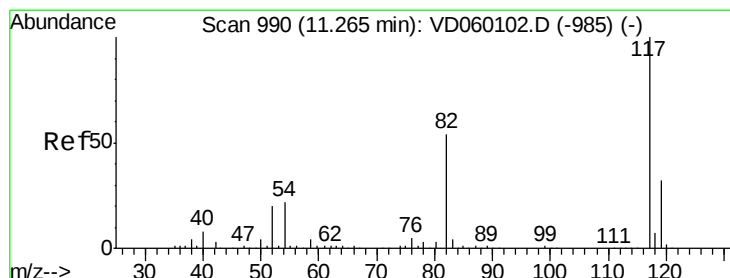
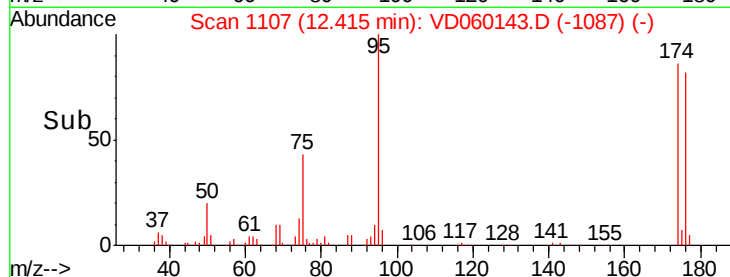
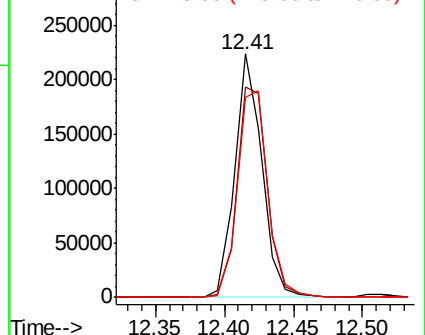
176 82.3 0.0 195.6



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: 50.000 ug/l

RT: 11.27 min Scan# 991

Delta R.T. 0.01 min

Lab File: VD060143.D

Acq: 5 Oct 2018 18:03

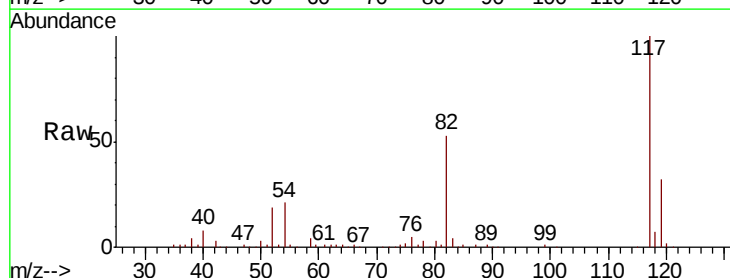
Tgt Ion: 117 Resp: 1071323

Ion Ratio Lower Upper

117 100

82 53.2 43.4 65.2

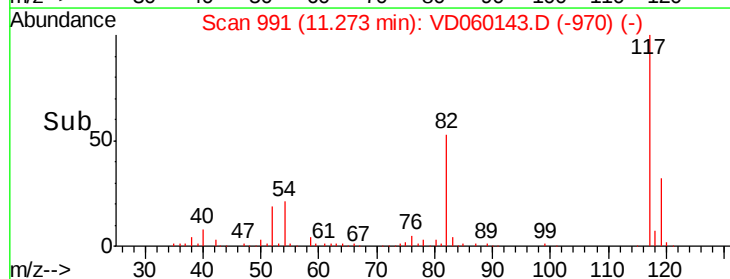
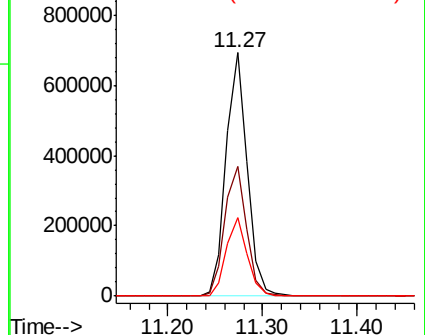
119 32.1 26.0 39.0

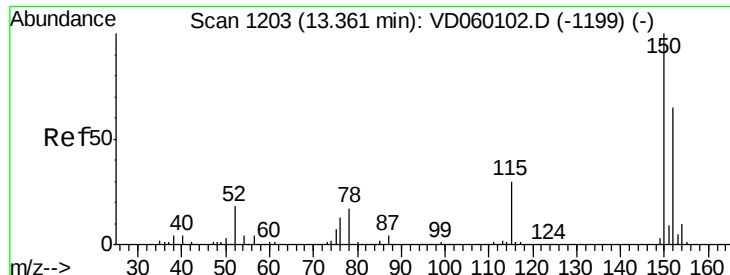


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.37 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD060143.D

Acq: 5 Oct 2018 18:03

Instrument :

MSVOA_D

ClientSampleId :

331-SAND-SOIL

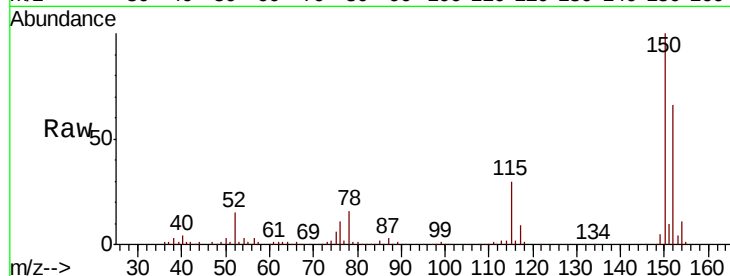
Tot Ion:152 Resp: 319729

Ion Ratio Lower Upper

152 100

115 44.7 27.1 81.2

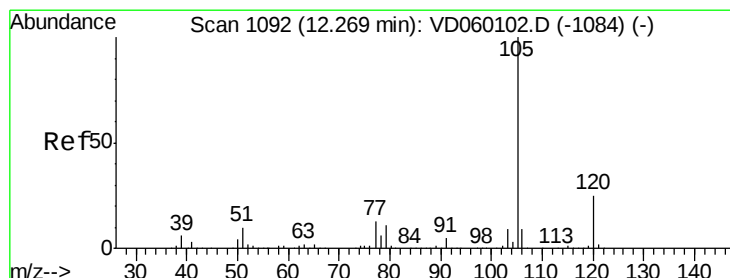
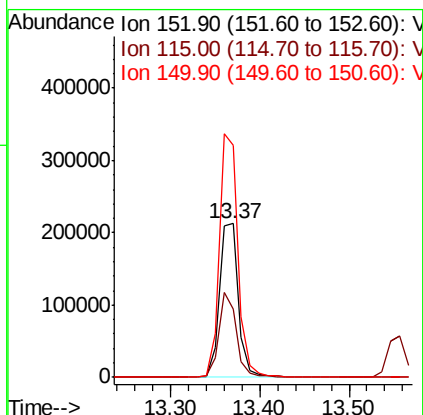
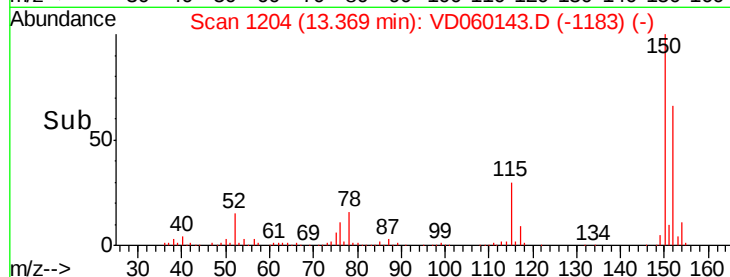
150 151.2 0.0 311.8



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



#73

Isopropylbenzene

Concen: 2.809 ug/l

RT: 12.26 min Scan# 1091

Delta R.T. -0.01 min

Lab File: VD060143.D

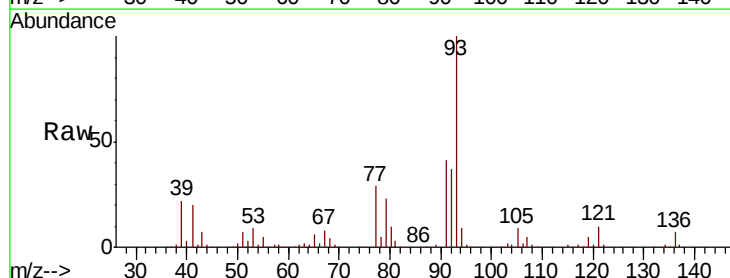
Acq: 5 Oct 2018 18:03

Tgt Ion:105 Resp: 59245

Ion Ratio Lower Upper

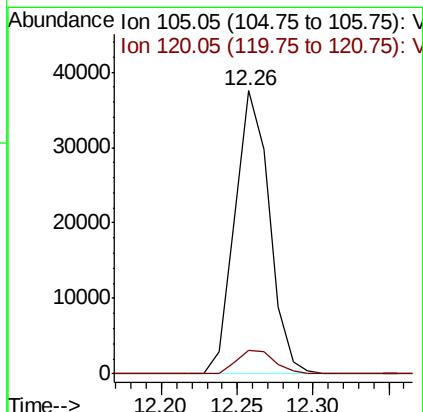
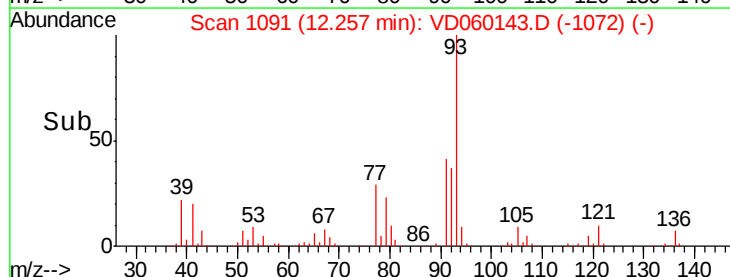
105 100

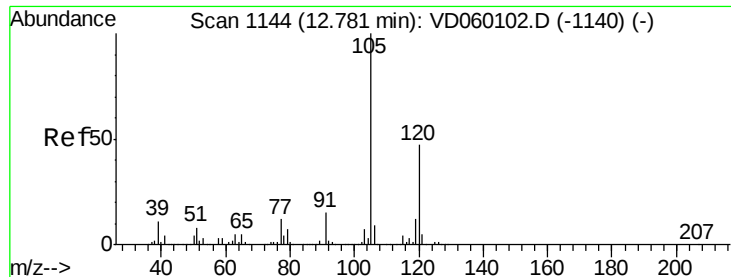
120 8.5 12.6 37.6#



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#80

1,3,5-Trimethylbenzene

Concen: 5.406 ug/l

RT: 12.79 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VD060143.D

Acq: 5 Oct 2018 18:03

Instrument :

MSVOA_D

ClientSampleId :

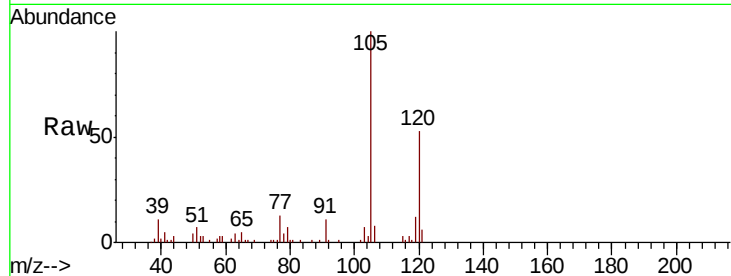
331-SAND-SOIL

Tot Ion:105 Resp: 88247

Ion Ratio Lower Upper

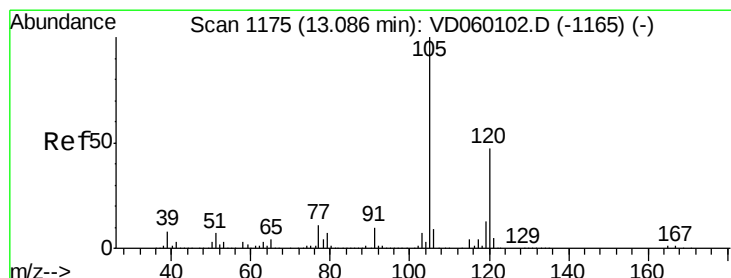
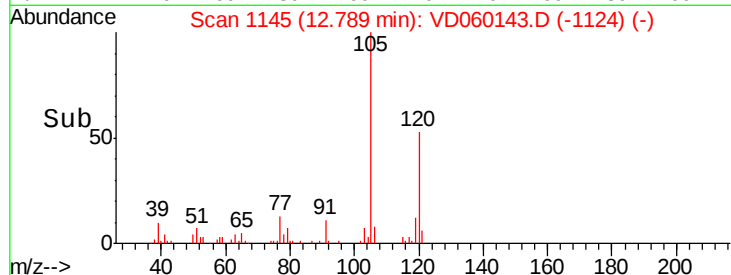
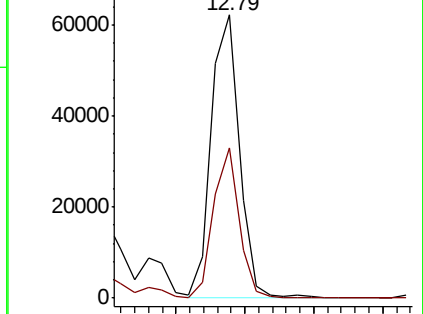
105 100

120 53.1 23.7 71.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#84

1,2,4-Trimethylbenzene

Concen: 2.812 ug/l

RT: 13.08 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VD060143.D

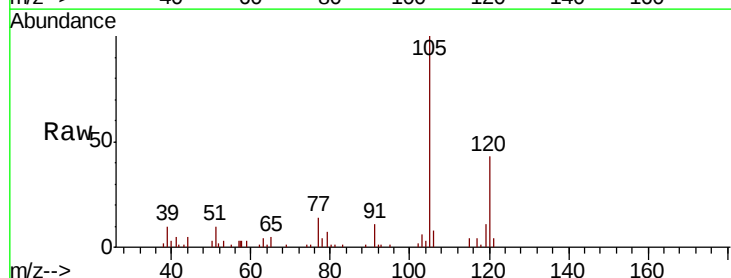
Acq: 5 Oct 2018 18:03

Tgt Ion:105 Resp: 48376

Ion Ratio Lower Upper

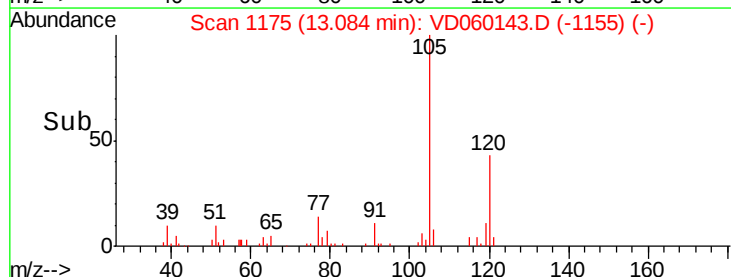
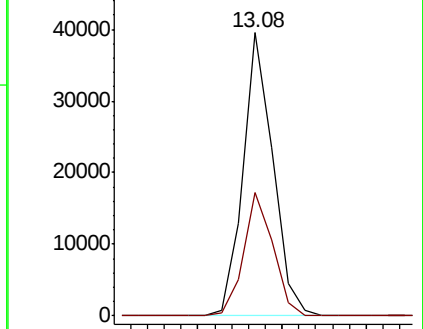
105 100

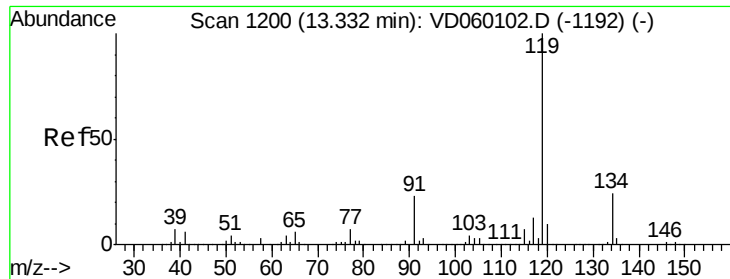
120 43.4 23.4 70.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

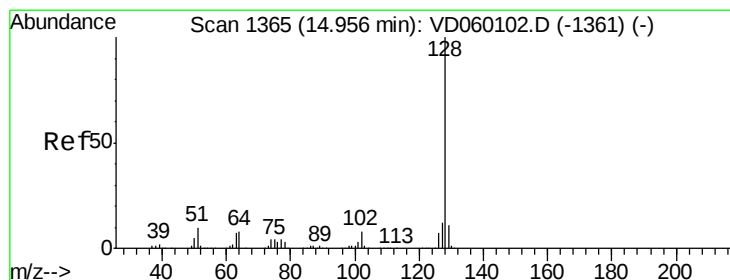
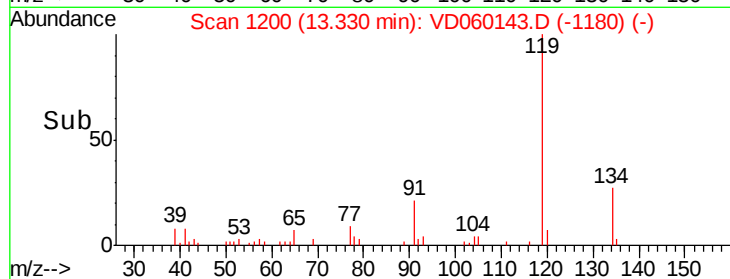
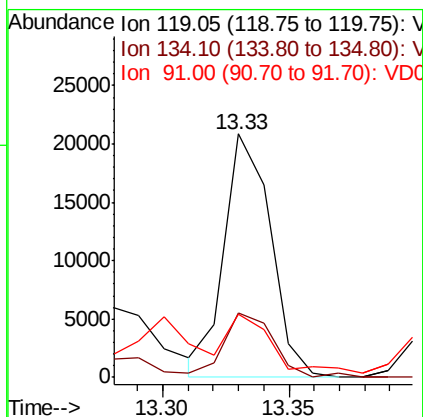
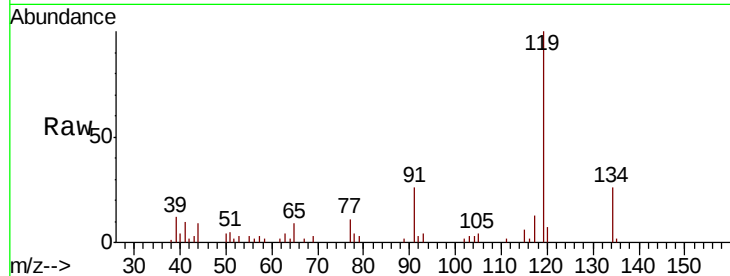




#86
p-Isopropyltoluene
Concen: 1.470 ug/l
RT: 13.33 min Scan# 1200
Delta R.T. -0.00 min
Lab File: VD060143.D
Acq: 5 Oct 2018 18:03

Instrument :
MSVOA_D
ClientSampleId :
331-SAND-SOIL

Tot Ion:119 Resp: 26712
Ion Ratio Lower Upper
119 100
134 26.4 12.3 36.8
91 26.0 11.8 35.4



#95
Naphthalene
Concen: 63.807 ug/l
RT: 14.96 min Scan# 1366
Delta R.T. 0.01 min
Lab File: VD060143.D
Acq: 5 Oct 2018 18:03

Tgt Ion:128 Resp: 720857
Ion Ratio Lower Upper
128 100
127 11.9 9.9 14.9
129 10.8 8.8 13.2

