

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091118\
 Data File : VW005306.D
 Acq On : 12 Sep 2018 06:22
 Operator : SY/AP
 Sample : J4842-01
 Misc : 7.24G/5ML/MSVOA W/SOIL
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SG-SOIL

Quant Time: Sep 12 07:43:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 03:48:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	362098	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	582150	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	231780	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	146689	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	157474	58.31	ug/l	0.00
Spiked Amount			Recovery	=	116.62%	
35) Dibromofluoromethane	7.88	113	143798	47.15	ug/l	0.00
Spiked Amount			Recovery	=	94.30%	
50) Toluene-d8	10.33	98	221670	14.39	ug/l	0.00
Spiked Amount			Recovery	=	28.78%	
62) 4-Bromofluorobenzene	12.62	95	135097	23.97	ug/l	0.00
Spiked Amount			Recovery	=	47.94%	

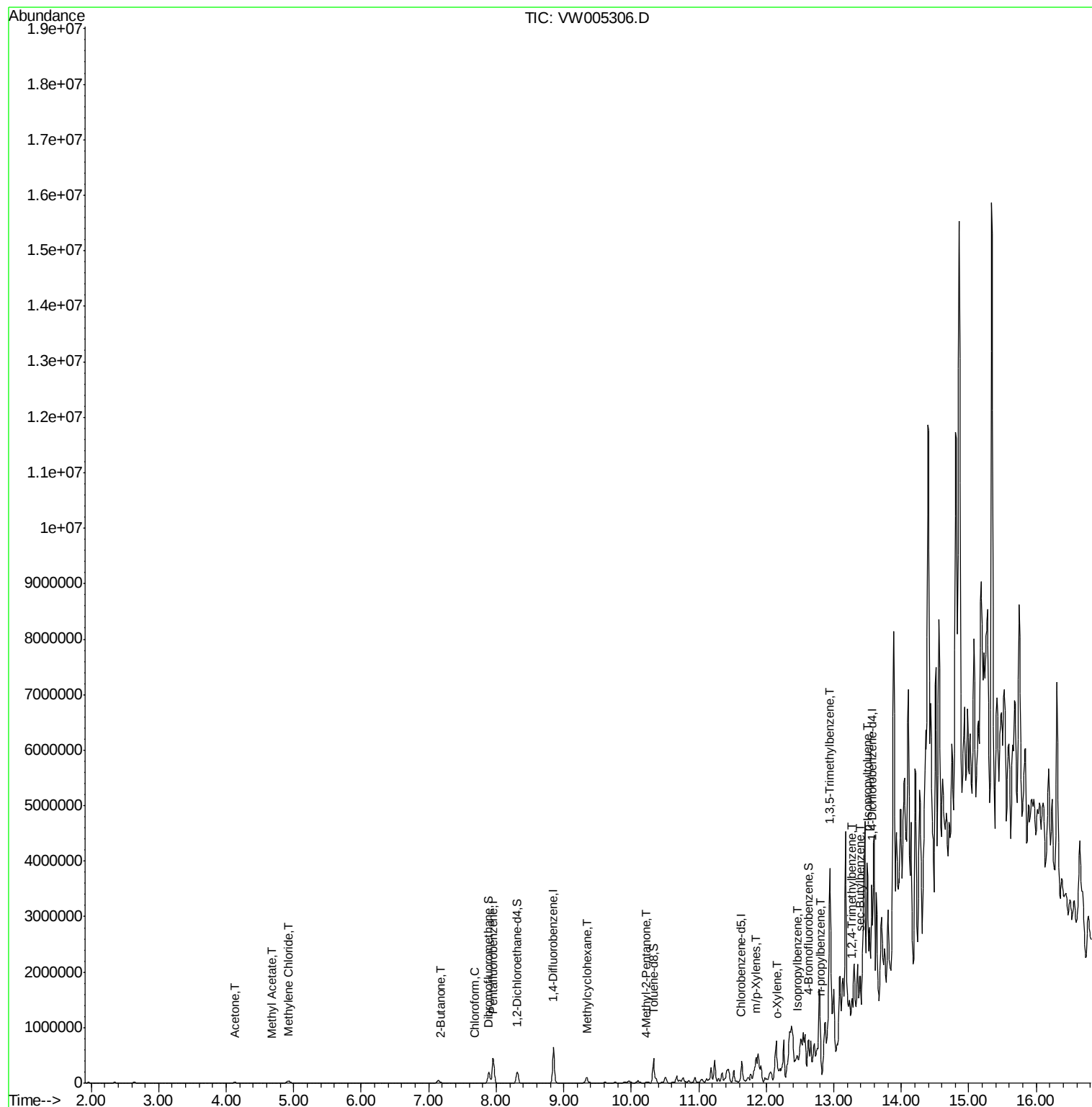
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	21996	43.88	ug/l	95
18) Methyl Acetate	4.68	43	5535	3.70	ug/l	99
20) Methylene Chloride	4.92	84	33050	5.97	ug/l	95
25) 2-Butanone	7.18	43	4586	5.80	ug/l	96
30) Chloroform	7.68	83	5851	1.07	ug/l	94
39) Methylcyclohexane	9.34	83	40196	5.68	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	5506	2.60	ug/l	99
68) m/p-Xylenes	11.85	106	14710	4.13	ug/l	89
69) o-Xylene	12.17	106	10982	3.31	ug/l	78
73) Isopropylbenzene	12.47	105	15278	1.47	ug/l	99
78) n-propylbenzene	12.81	91	29896	2.40	ug/l	89
80) 1,3,5-Trimethylbenzene	12.95	105	270058	30.60	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	168338	18.98	ug/l	100
85) sec-Butylbenzene	13.39	105	122301	11.03	ug/l #	74
86) p-Isopropyltoluene	13.51	119	264069	26.89	ug/l	99

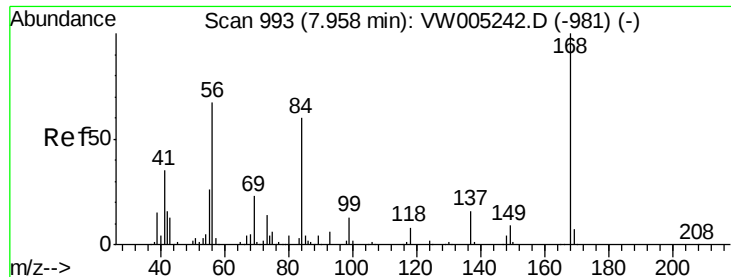
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW091118\
Data File : VW005306.D
Acq On : 12 Sep 2018 06:22
Operator : SY/AP
Sample : J4842-01
Misc : 7.24G/5ML/MSVOA W/SOIL
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SG-SOIL

Quant Time: Sep 12 07:43:00 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 11 03:48:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005306.D

Acq: 12 Sep 2018 06:22

Instrument :

MSVOA_W

ClientSampleId :

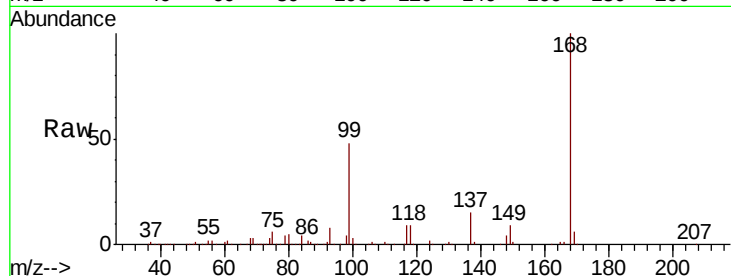
SG-SOIL

Tot Ion:168 Resp: 362098

Ion Ratio Lower Upper

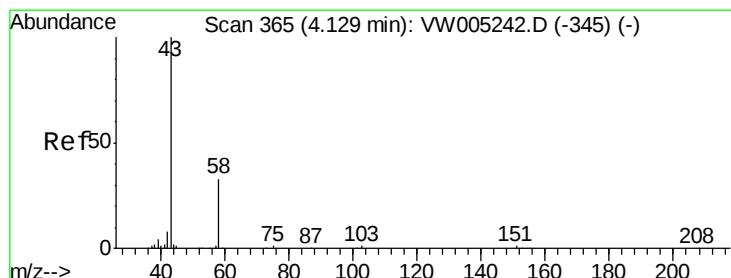
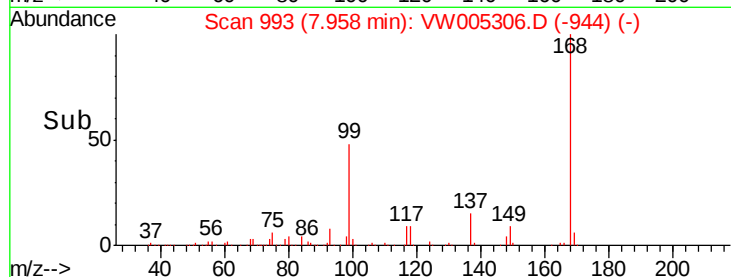
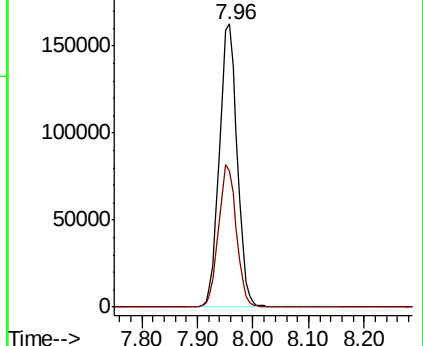
168 100

99 48.1 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 43.88 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW005306.D

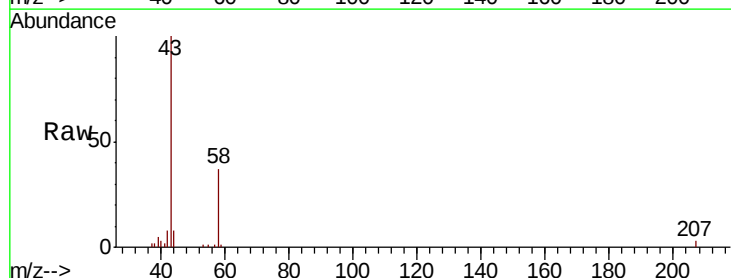
Acq: 12 Sep 2018 06:22

Tgt Ion: 43 Resp: 21996

Ion Ratio Lower Upper

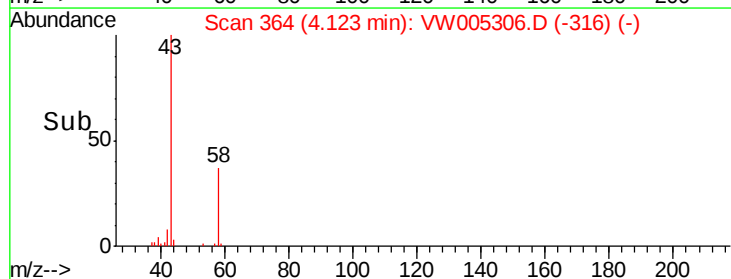
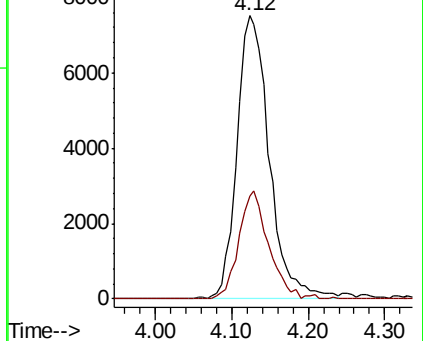
43 100

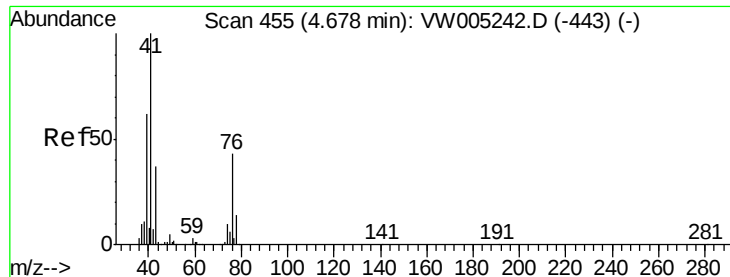
58 36.5 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

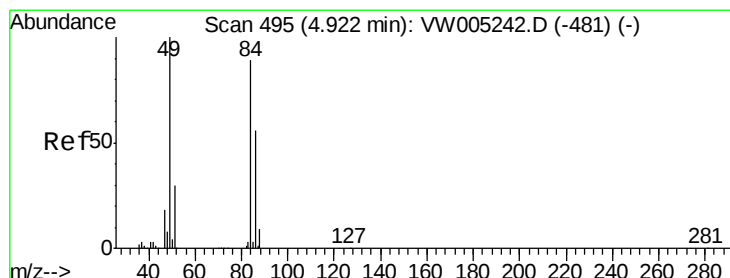
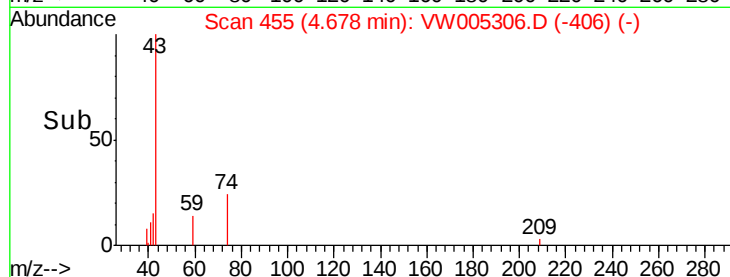
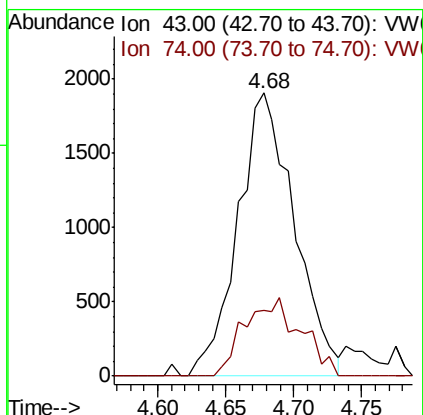
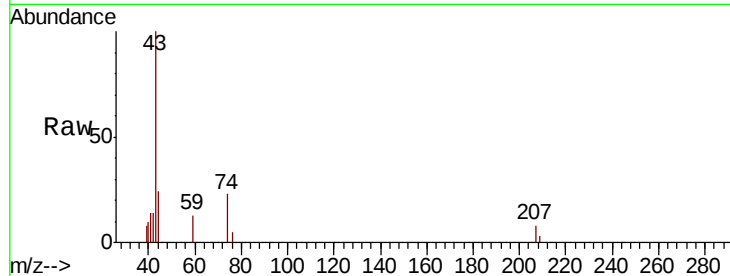




#18
Methvl Acetate
Concen: 3.70 ug/l
RT: 4.68 min Scan# 455
Delta R.T. -0.00 min
Lab File: VW005306.D
Acq: 12 Sep 2018 06:22

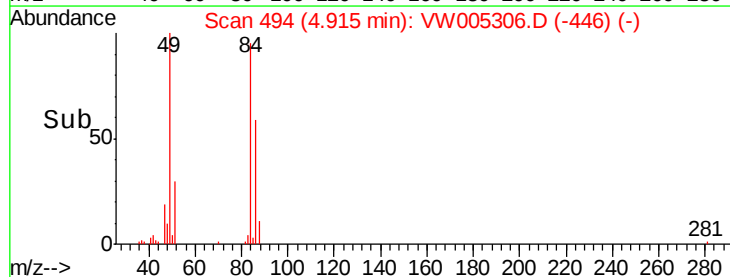
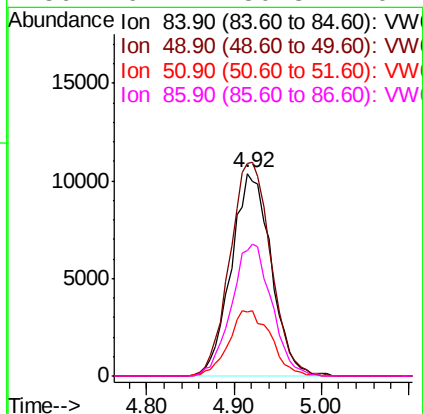
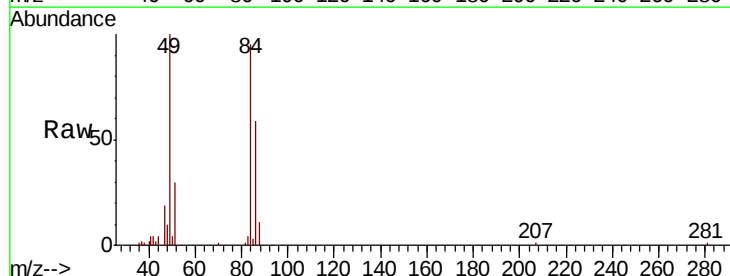
Instrument :
MSVOA_W
ClientSampled :
SG-SOIL

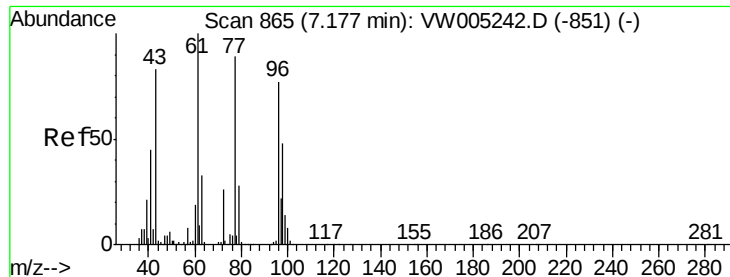
Tot Ion: 43 Resp: 5535
Ion Ratio Lower Upper
43 100
74 27.4 21.4 32.2



#20
Methylene Chloride
Concen: 5.97 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW005306.D
Acq: 12 Sep 2018 06:22

Tgt Ion: 84 Resp: 33050
Ion Ratio Lower Upper
84 100
49 105.1 90.3 135.5
51 31.9 26.9 40.3
86 62.1 50.8 76.2





#25

2-Butanone

Concen: 5.80 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW005306.D

Acq: 12 Sep 2018 06:22

Instrument :

MSVOA_W

ClientSampled :

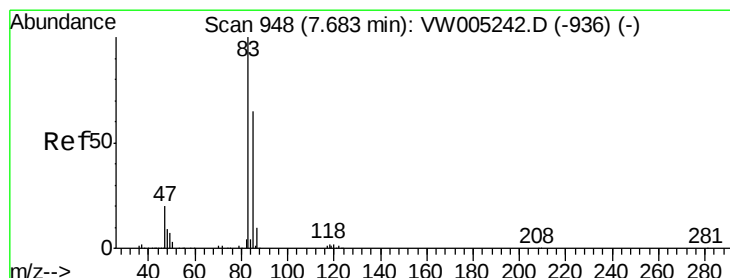
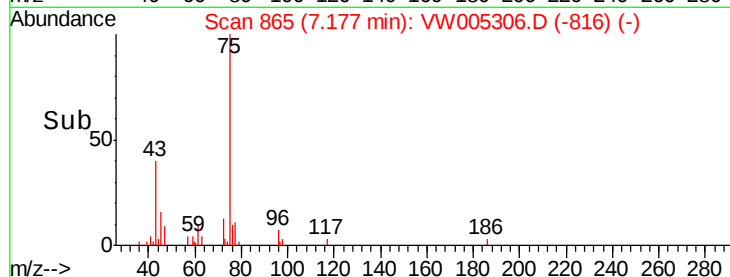
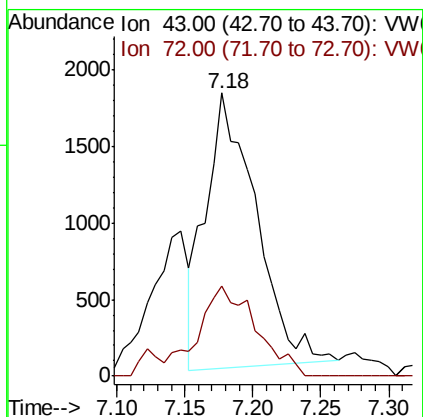
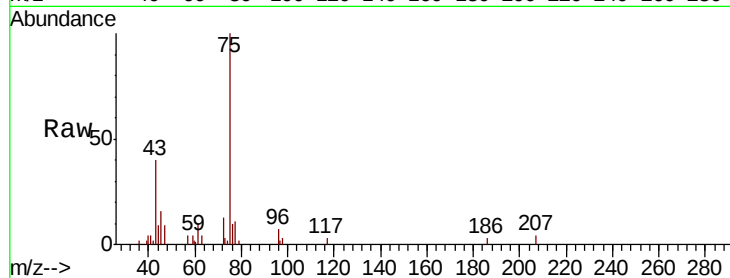
SG-SOIL

Tot Ion: 43 Resp: 4586

Ion Ratio Lower Upper

43 100

72 33.7 25.0 37.6



#30

Chloroform

Concen: 1.07 ug/l

RT: 7.68 min Scan# 947

Delta R.T. -0.01 min

Lab File: VW005306.D

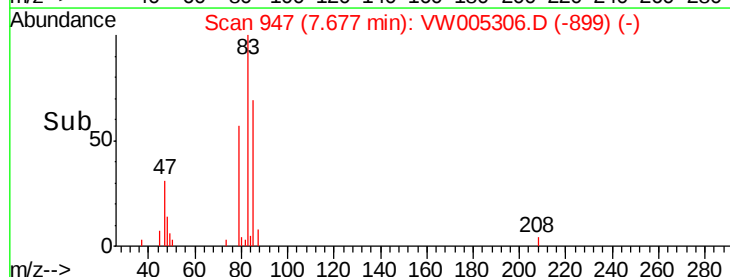
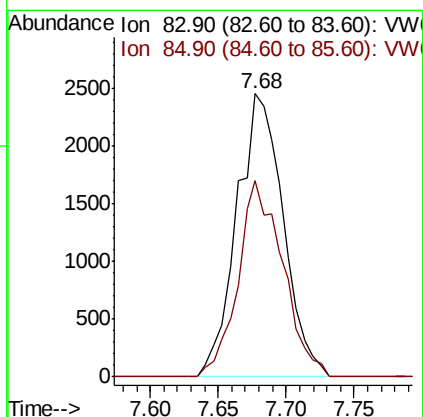
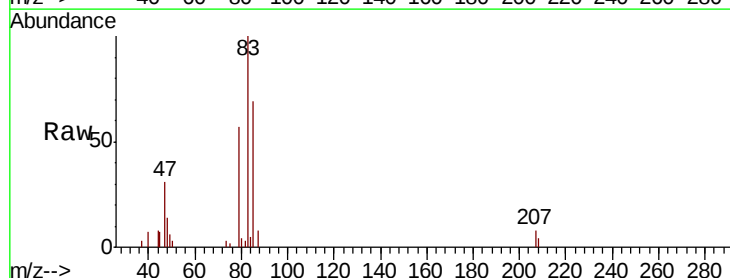
Acq: 12 Sep 2018 06:22

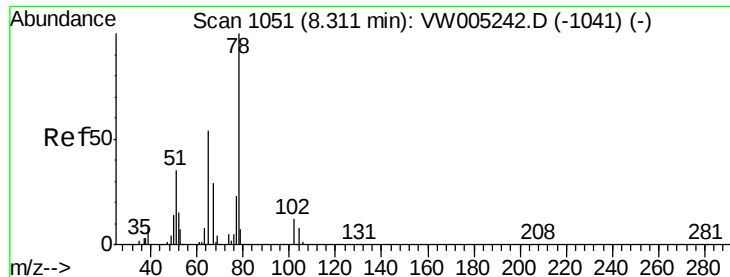
Tgt Ion: 83 Resp: 5851

Ion Ratio Lower Upper

83 100

85 69.1 51.7 77.5

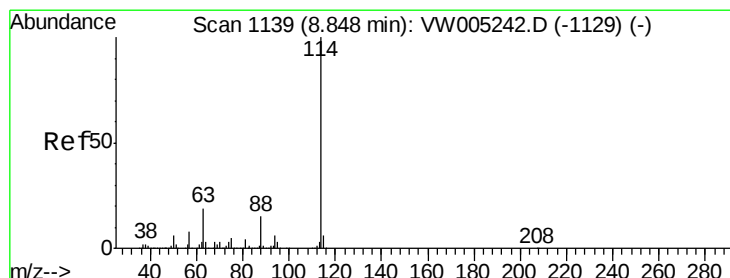
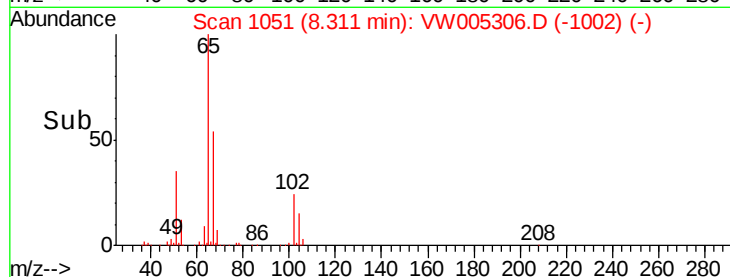
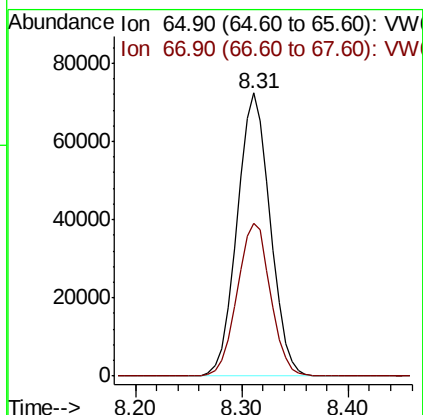
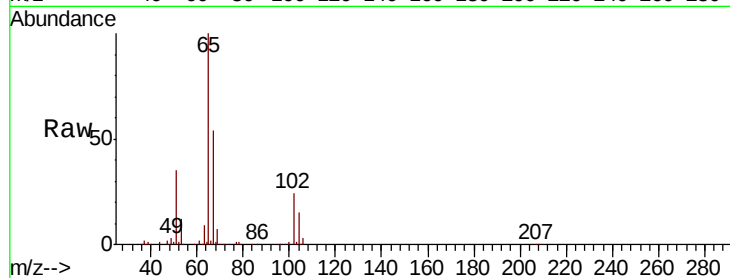




#33
 1,2-Dichloroethane-d4
 Concen: 58.31 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW005306.D
 Acq: 12 Sep 2018 06:22

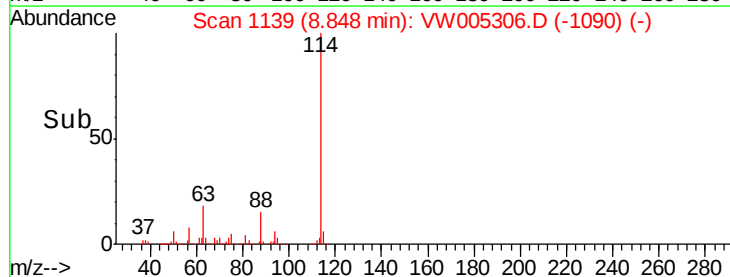
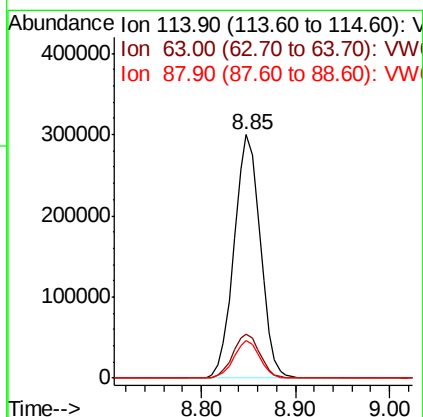
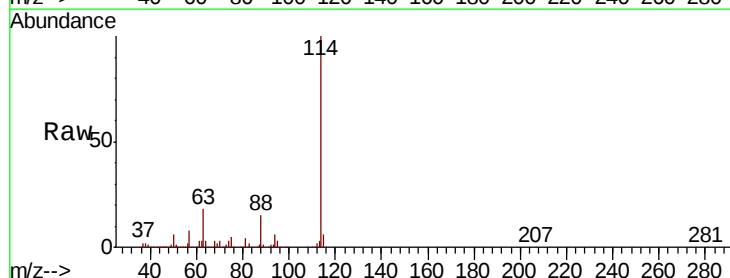
Instrument :
 MSVOA_W
 ClientSampled :
 SG-SOIL

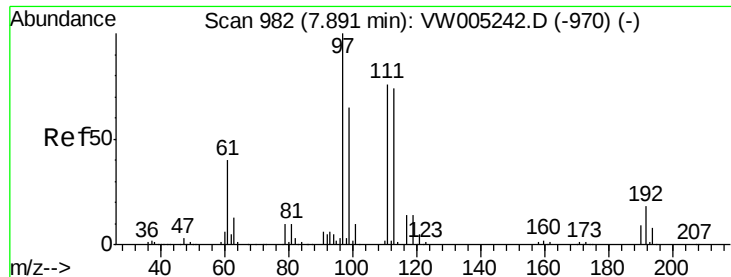
Tot Ion: 65 Resp: 157474
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 112.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005306.D
 Acq: 12 Sep 2018 06:22

Tgt Ion: 114 Resp: 582150
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 37.0
 88 15.4 0.0 30.4

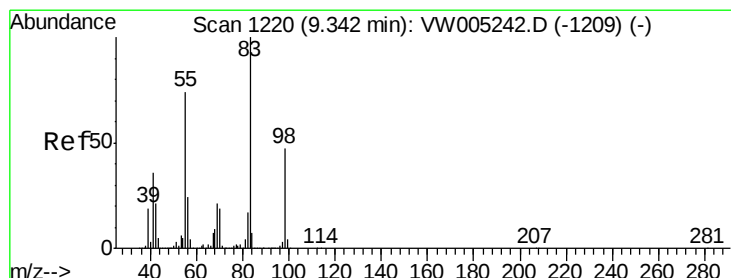
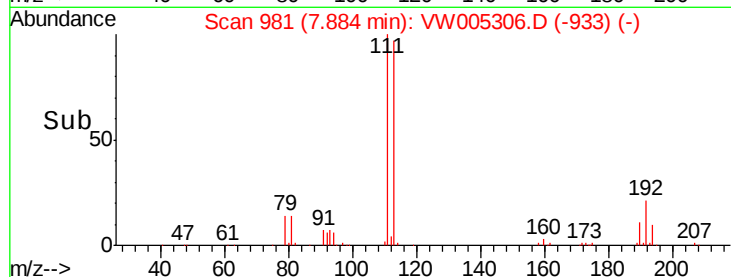
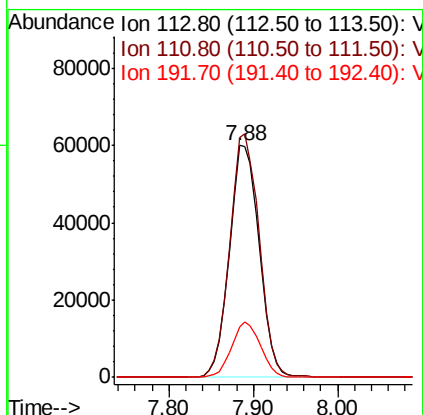
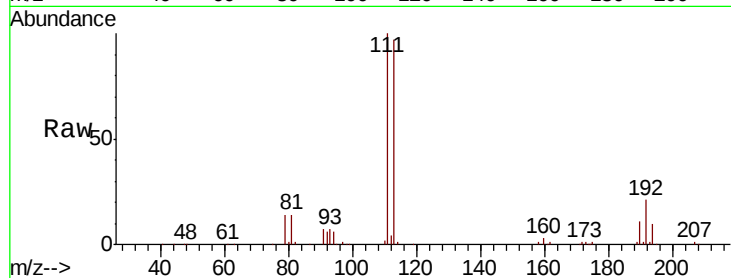




#35
Dibromofluoromethane
Concen: 47.15 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.01 min
Lab File: VW005306.D
Acq: 12 Sep 2018 06:22

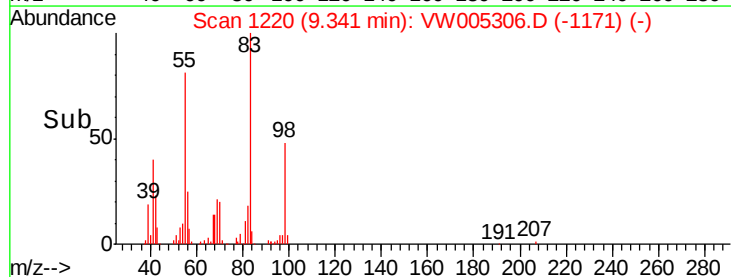
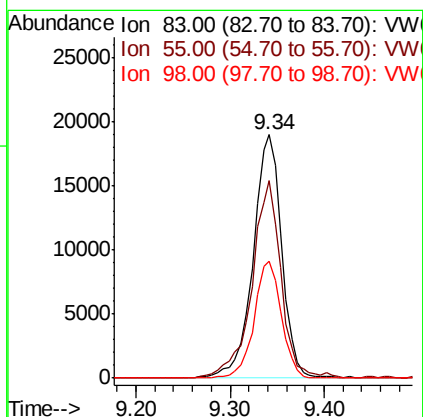
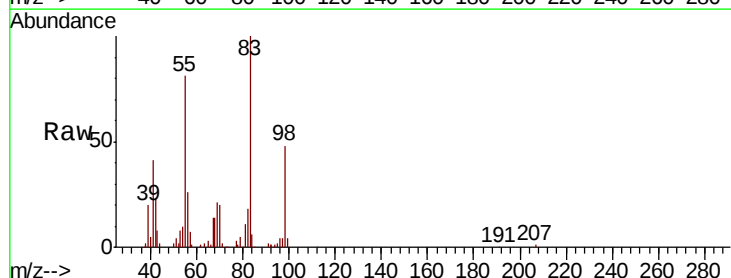
Instrument :
MSVOA_W
ClientSampleId :
SG-SOIL

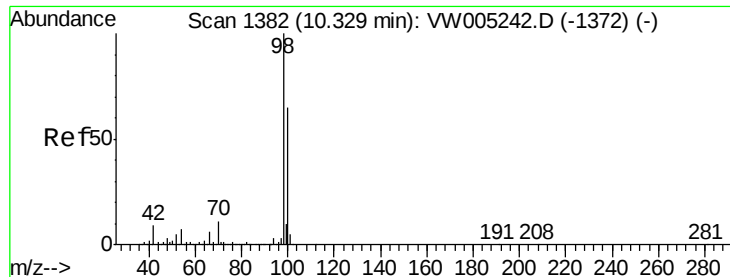
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	80.6	121.0
192	23.1	18.3	27.5



#39
Methylcyclohexane
Concen: 5.68 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. -0.00 min
Lab File: VW005306.D
Acq: 12 Sep 2018 06:22

Tgt Ion	Ratio	Lower	Upper
83	100		
55	81.2	58.9	88.3
98	48.2	37.6	56.4





#50

Toluene-d8

Concen: 14.39 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005306.D

Acq: 12 Sep 2018 06:22

Instrument :

MSVOA_W

ClientSampleId :

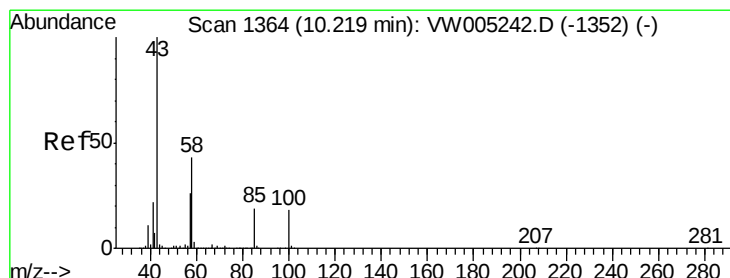
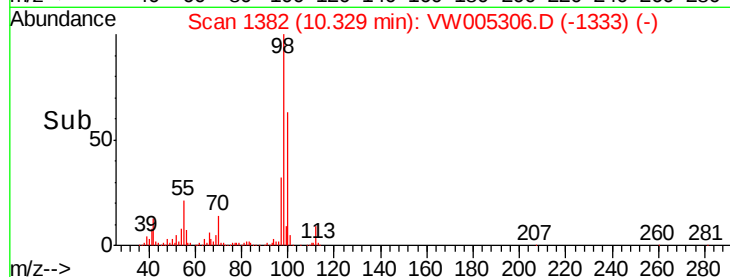
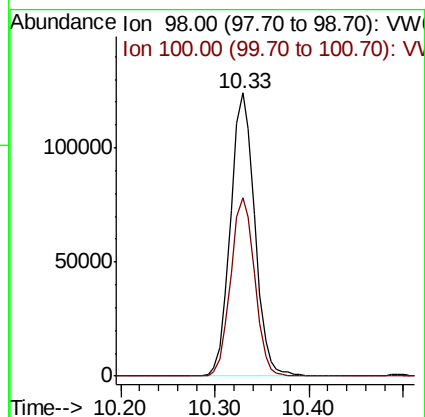
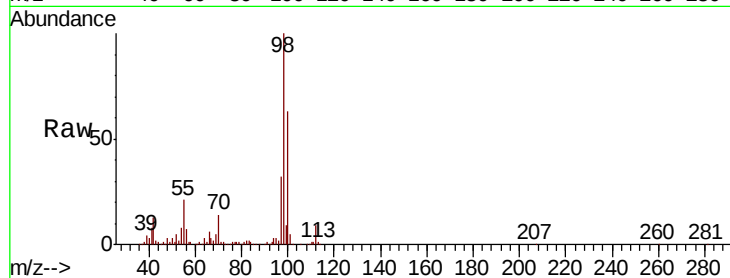
SG-SOIL

Tot Ion: 98 Resp: 221670

Ion Ratio Lower Upper

98 100

100 62.4 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 2.60 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.01 min

Lab File: VW005306.D

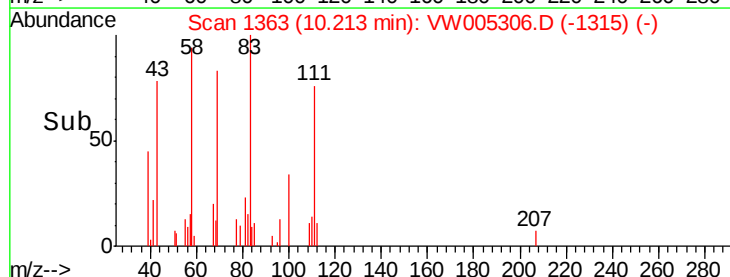
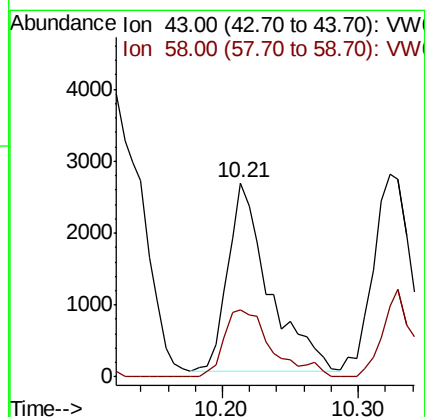
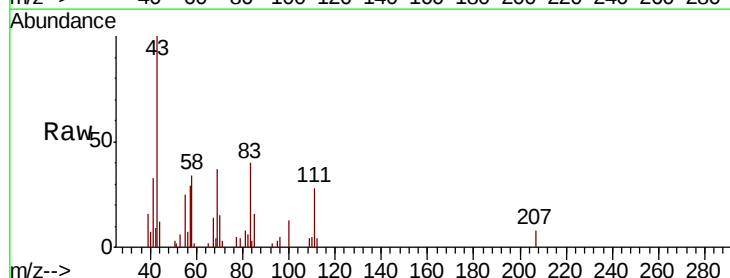
Acq: 12 Sep 2018 06:22

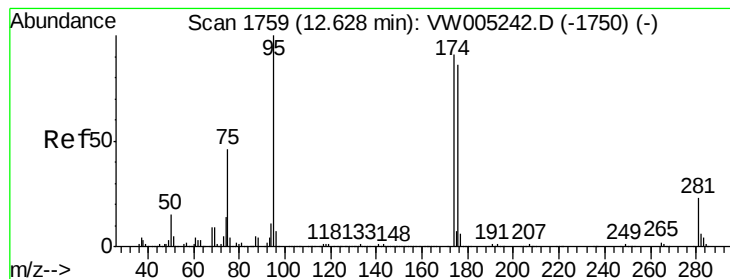
Tgt Ion: 43 Resp: 5506

Ion Ratio Lower Upper

43 100

58 41.4 33.8 50.6





#62

4-Bromofluorobenzene

Concen: 23.97 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.01 min

Lab File: VW005306.D

Acq: 12 Sep 2018 06:22

Instrument :

MSVOA_W

ClientSampled :

SG-SOIL

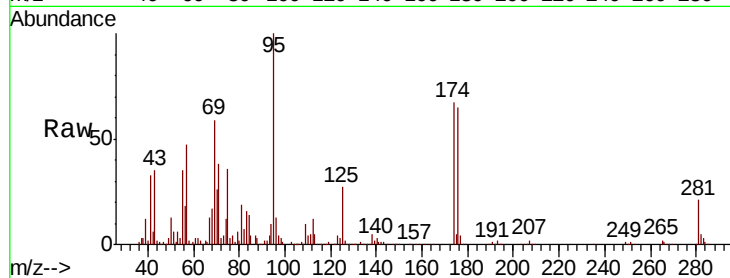
Tot Ion: 95 Resp: 135097

Ion Ratio Lower Upper

95 100

174 67.3 0.0 174.6

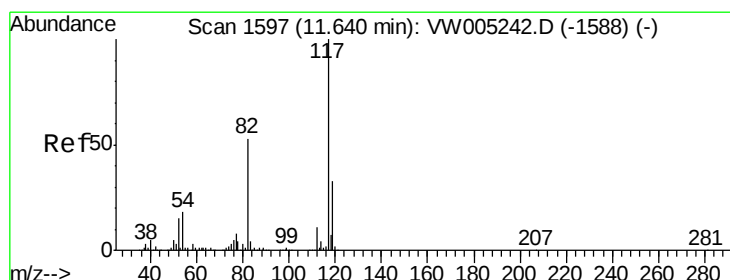
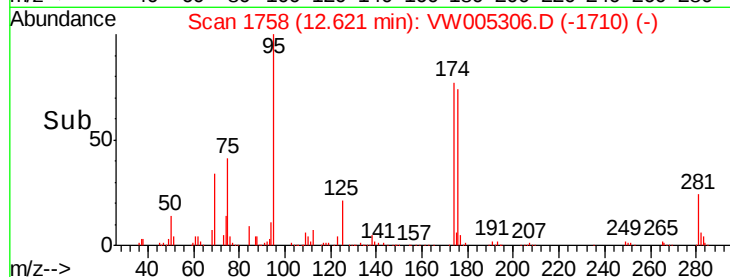
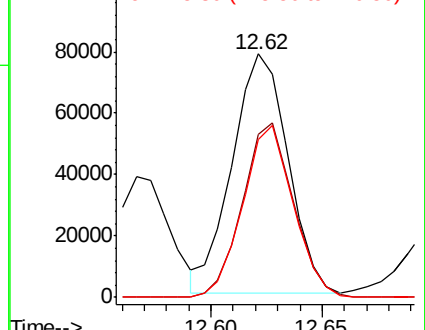
176 65.5 0.0 167.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.64 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VW005306.D

Acq: 12 Sep 2018 06:22

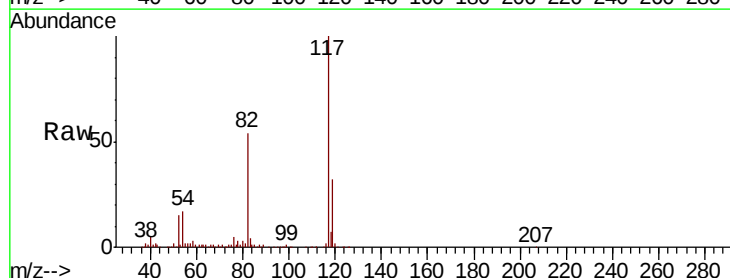
Tgt Ion: 117 Resp: 231780

Ion Ratio Lower Upper

117 100

82 52.7 42.6 63.8

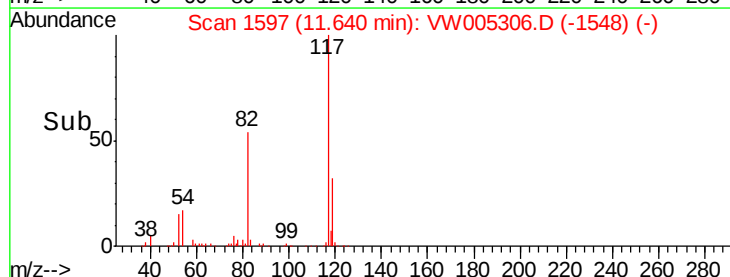
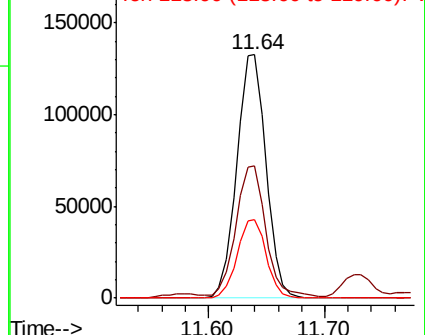
119 32.3 26.2 39.4

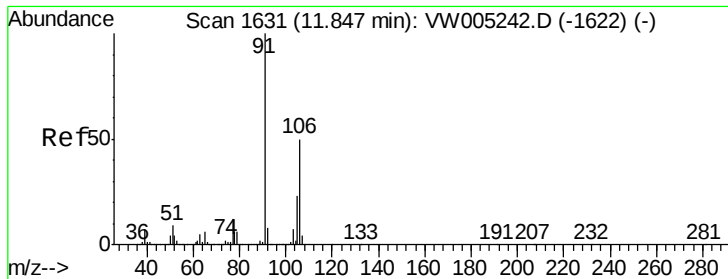


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

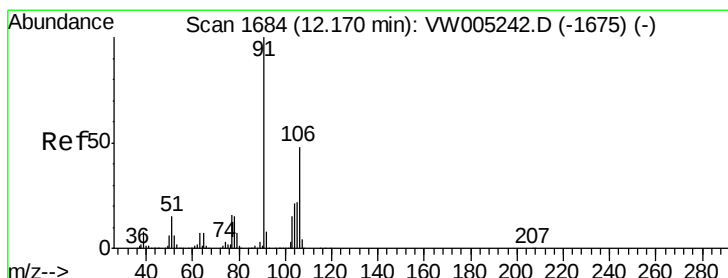
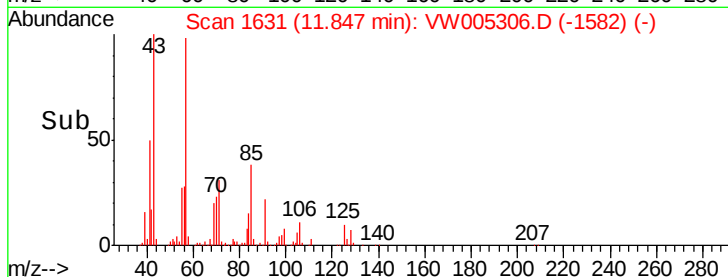
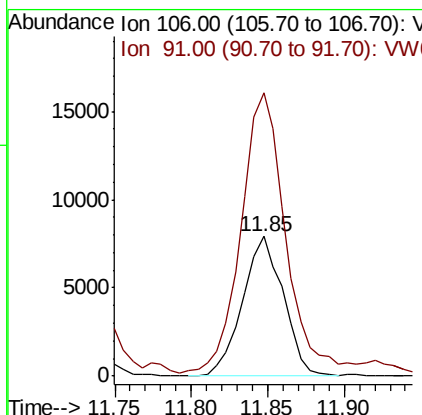
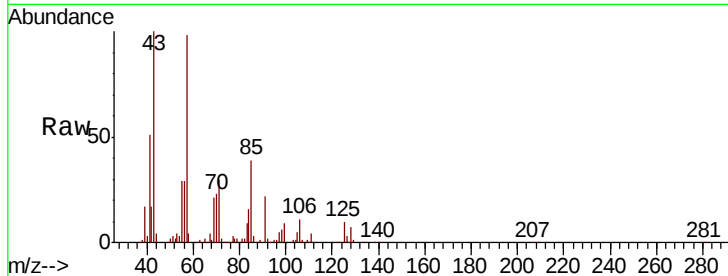




#68
m/p-Xylenes
Concen: 4.13 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VW005306.D
Acq: 12 Sep 2018 06:22

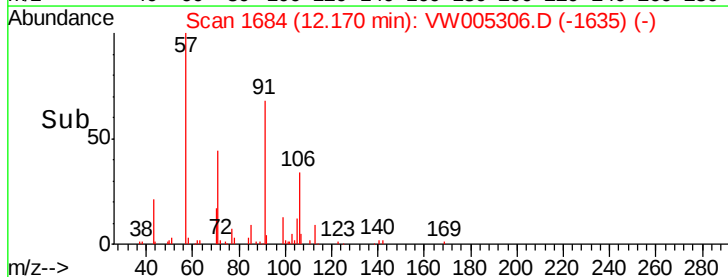
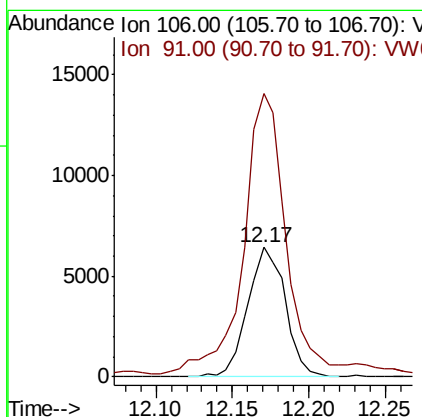
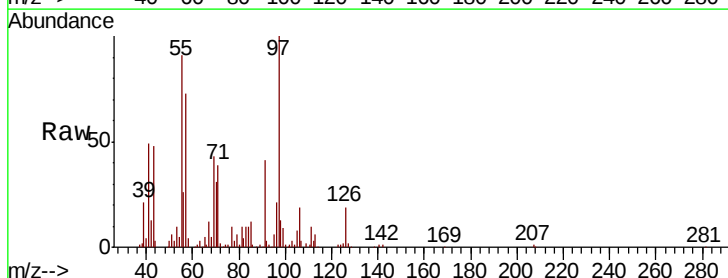
Instrument :
MSVOA_W
ClientSampled :
SG-SOIL

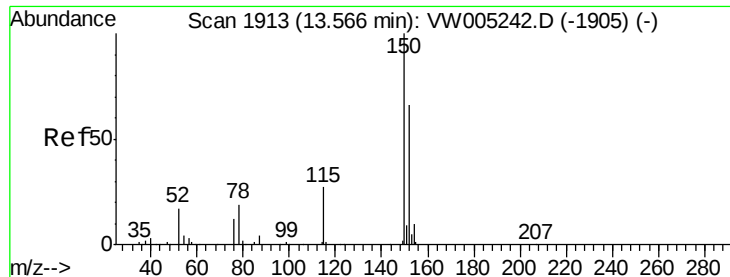
Tot Ion:106 Resp: 14710
Ion Ratio Lower Upper
106 100
91 217.0 160.2 240.2



#69
o-Xylene
Concen: 3.31 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW005306.D
Acq: 12 Sep 2018 06:22

Tgt Ion:106 Resp: 10982
Ion Ratio Lower Upper
106 100
91 242.8 104.1 312.3



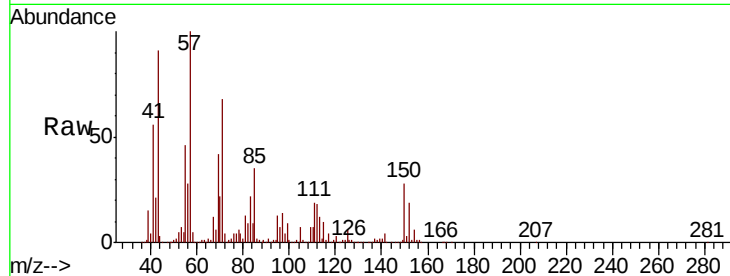


#72

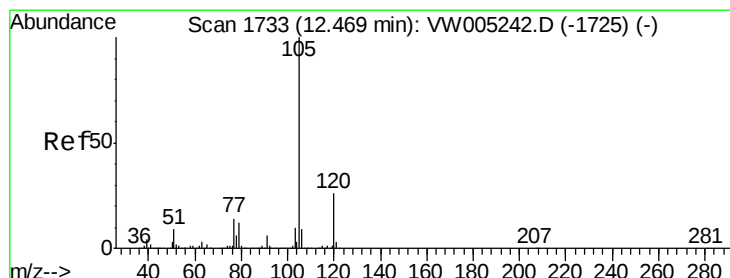
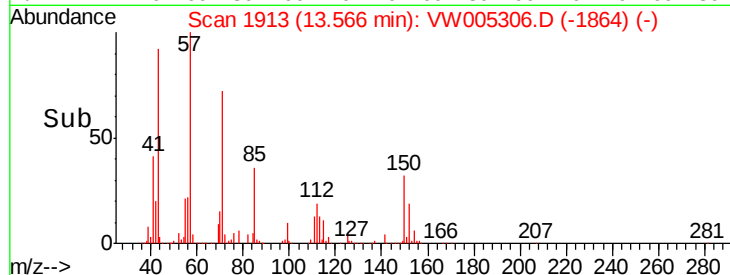
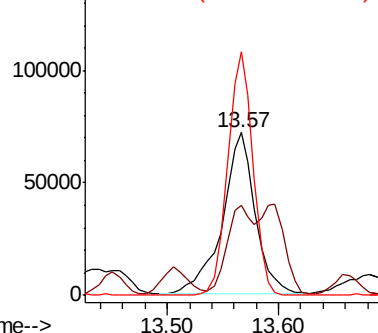
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005306.D
Acq: 12 Sep 2018 06:22

Instrument :
MSVOA_W
ClientSampleId :
SG-SOIL

Tot Ion:152 Resp: 146689
Ion Ratio Lower Upper
152 100
115 42.4 27.5 82.4
150 115.8 0.0 347.4



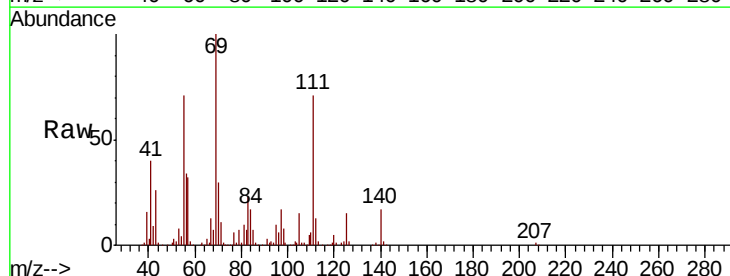
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



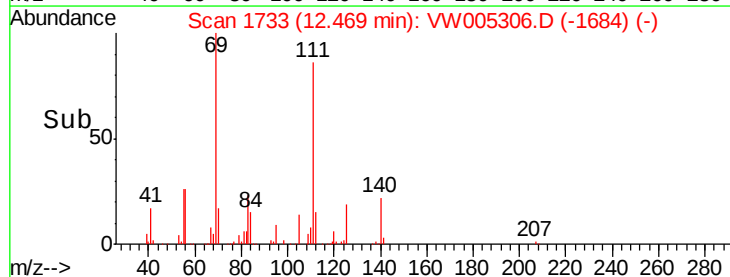
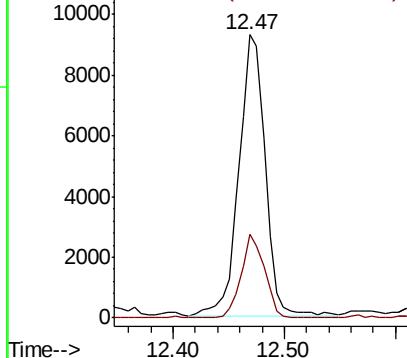
#73

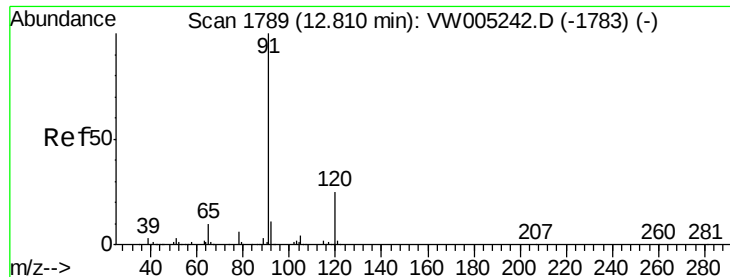
Isopropylbenzene
Concen: 1.47 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VW005306.D
Acq: 12 Sep 2018 06:22

Tgt Ion:105 Resp: 15278
Ion Ratio Lower Upper
105 100
120 26.2 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 2.40 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW005306.D

Acq: 12 Sep 2018 06:22

Instrument :

MSVOA_W

ClientSampleId :

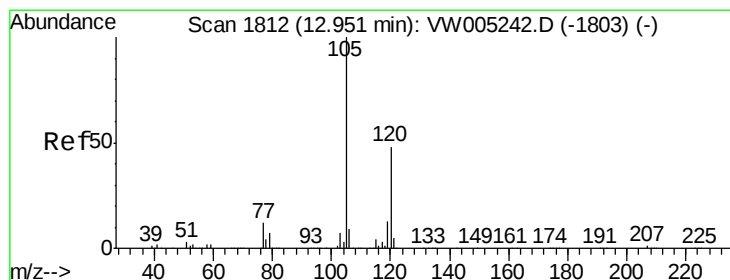
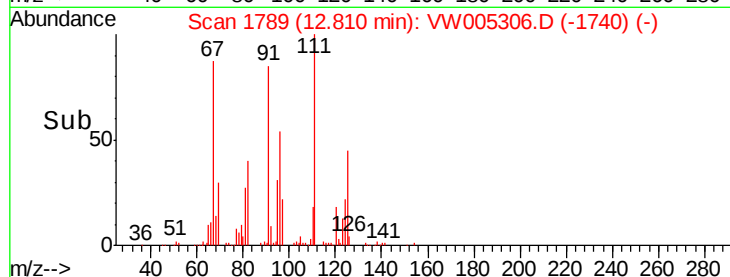
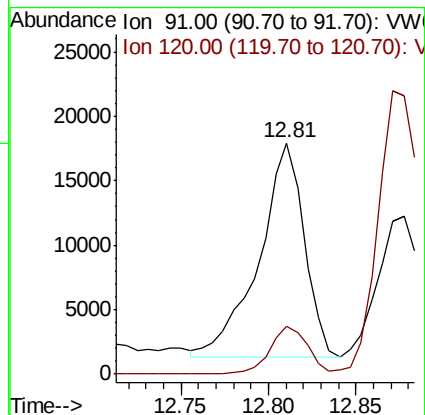
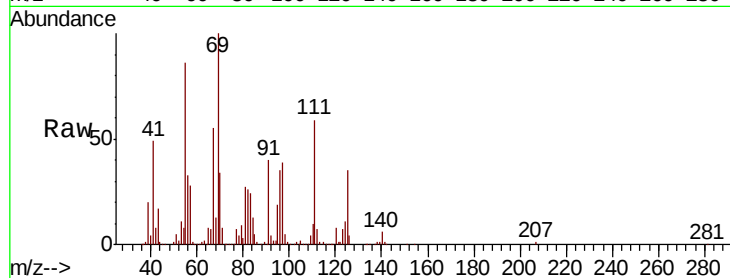
SG-SOIL

Tot Ion: 91 Resp: 29896

Ion Ratio Lower Upper

91 100

120 18.7 12.0 36.0



#80

1,3,5-Trimethylbenzene

Concen: 30.60 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW005306.D

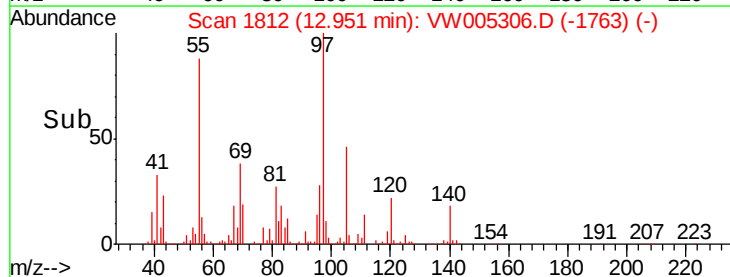
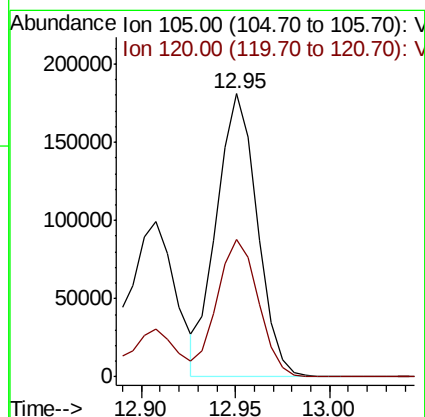
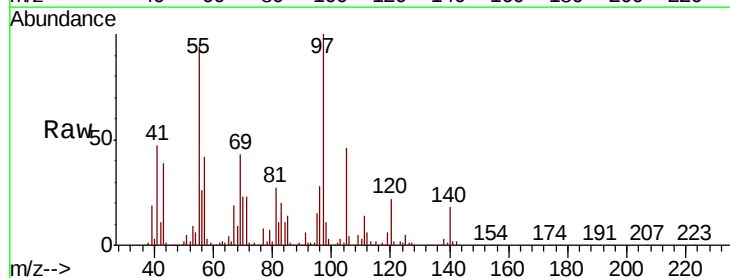
Acq: 12 Sep 2018 06:22

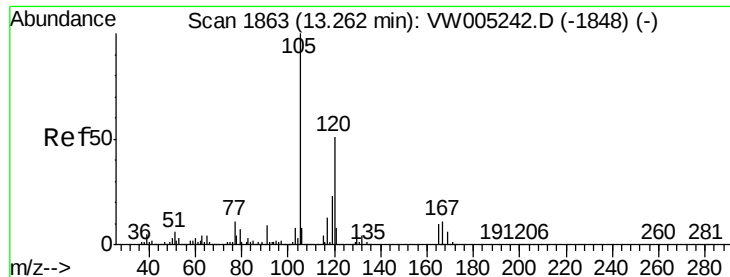
Tgt Ion: 105 Resp: 270058

Ion Ratio Lower Upper

105 100

120 49.5 24.4 73.4

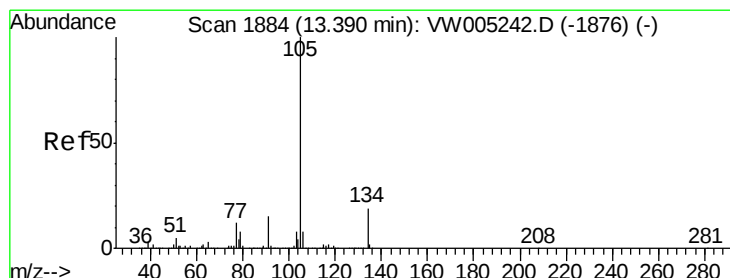
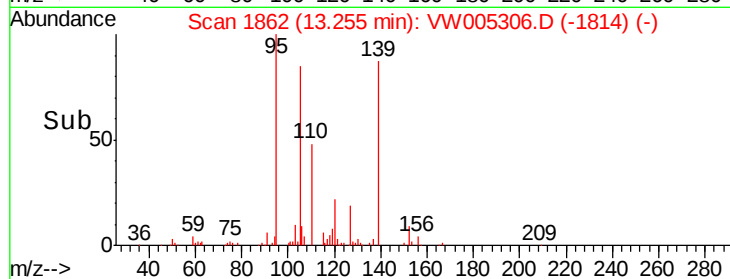
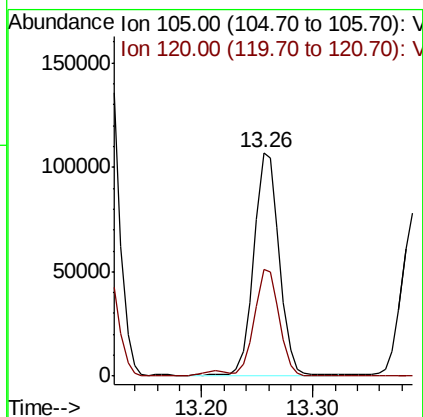
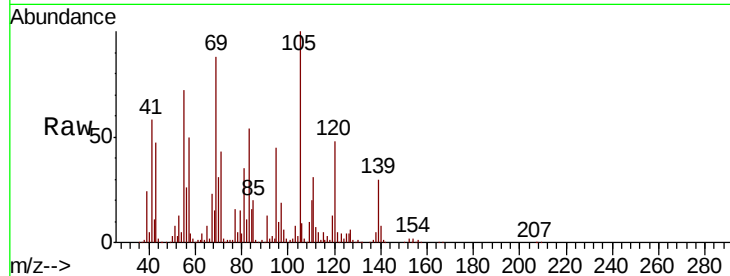




#84
 1,2,4-Trimethylbenzene
 Concen: 18.98 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.01 min
 Lab File: VW005306.D
 Acq: 12 Sep 2018 06:22

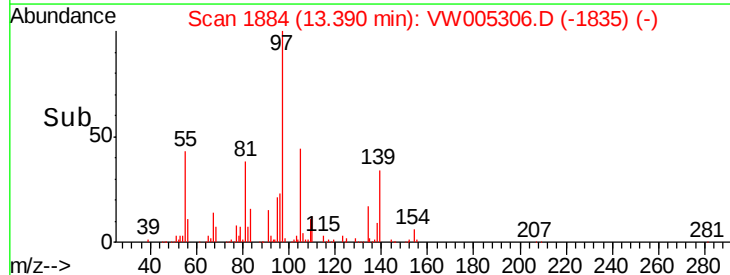
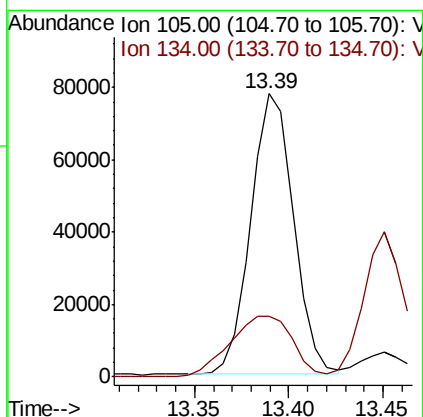
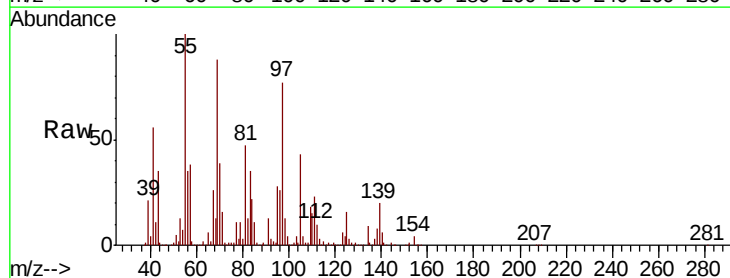
Instrument :
 MSVOA_W
 ClientSampleId :
 SG-SOIL

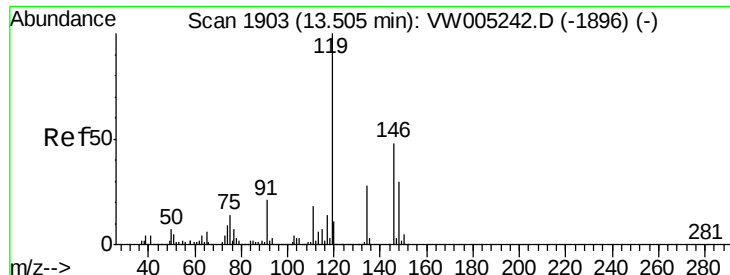
Tot Ion:105 Resp: 168338
 Ion Ratio Lower Upper
 105 100
 120 47.2 23.4 70.3



#85
 sec-Butylbenzene
 Concen: 11.03 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW005306.D
 Acq: 12 Sep 2018 06:22

Tgt Ion:105 Resp: 122301
 Ion Ratio Lower Upper
 105 100
 134 31.8 9.9 29.7#





#86

p-Isopropyltoluene

Concen: 26.89 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW005306.D

Acq: 12 Sep 2018 06:22

Instrument :

MSVOA_W

ClientSampleId :

SG-SOIL

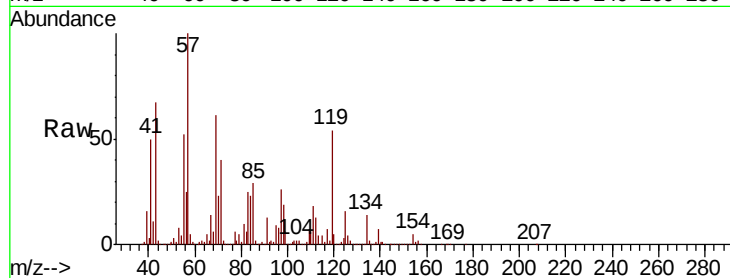
Tot Ion:119 Resp: 264069

Ion Ratio Lower Upper

119 100

134 26.2 13.2 39.5

91 20.9 10.7 32.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VW

