

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112218\
 Data File : VW007006.D
 Acq On : 21 Nov 2018 17:59
 Operator : VAY/AP
 Sample : J6024-01RE
 Misc : 7.61G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PS-SOILRE

Quant Time: Nov 26 15:58:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 03:23:02 2018
 Response via : Initial Calibration

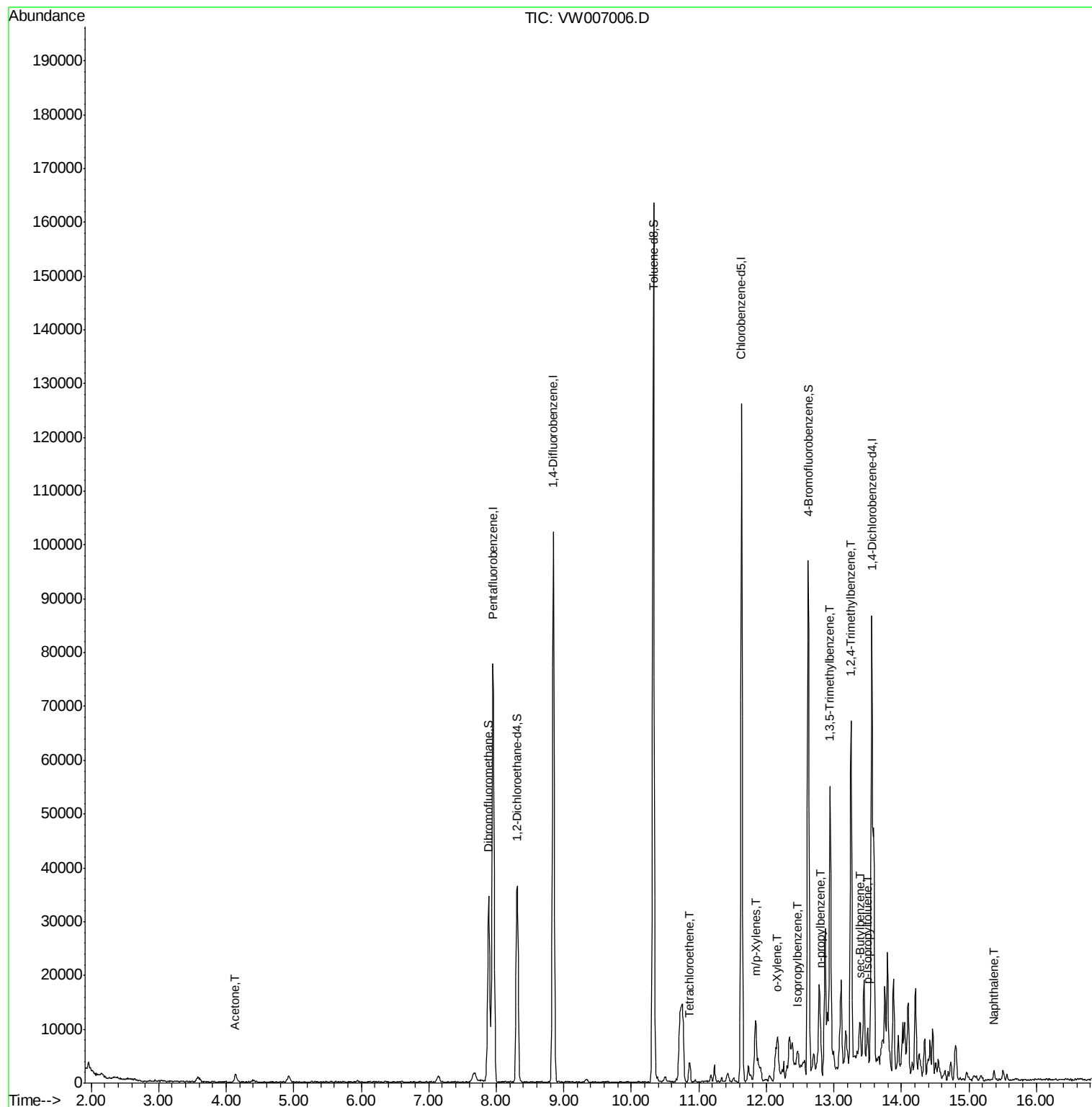
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	56970	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	89144	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	70097	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	22404	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	30570	54.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.62%	
35) Dibromofluoromethane	7.89	113	25206	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
50) Toluene-d8	10.33	98	112455	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	
62) 4-Bromofluorobenzene	12.62	95	31203	35.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.34%	
Target Compounds						
					Qvalue	
16) Acetone	4.13	43	2848	35.170	ug/l #	87
64) Tetrachloroethene	10.86	164	954	2.116	ug/l #	81
68) m/p-Xylenes	11.84	106	2560	2.428	ug/l	96
69) o-Xylene	12.16	106	1865	1.876	ug/l	99
73) Isopropylbenzene	12.47	105	2517	1.446	ug/l	96
78) n-propylbenzene	12.80	91	4169	1.977	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	22551	14.977	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	35593	23.726	ug/l	100
85) sec-Butylbenzene	13.39	105	4494	2.440	ug/l	79
86) p-Isopropyltoluene	13.50	119	3787	2.331	ug/l	95
95) Naphthalene	15.37	128	1865	2.329	ug/l #	95

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

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ClientSampleId :
PS-SOILRE

Quant Time: Nov 26 15:58:24 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 21 03:23:02 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007006.D

Acq: 21 Nov 2018 17:59

Instrument :

MSVOA_W

ClientSampleId :

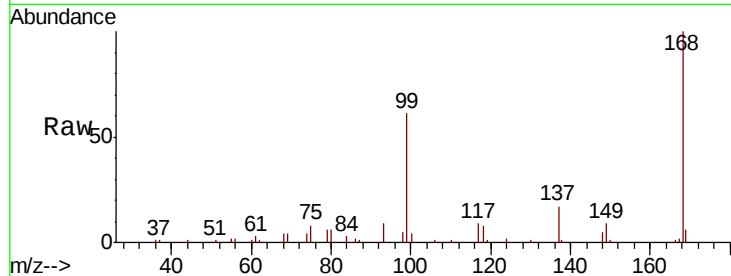
PS-SOILRE

Tot Ion:168 Resp: 56970

Ion Ratio Lower Upper

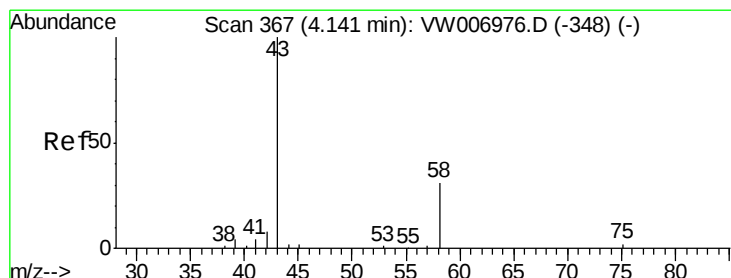
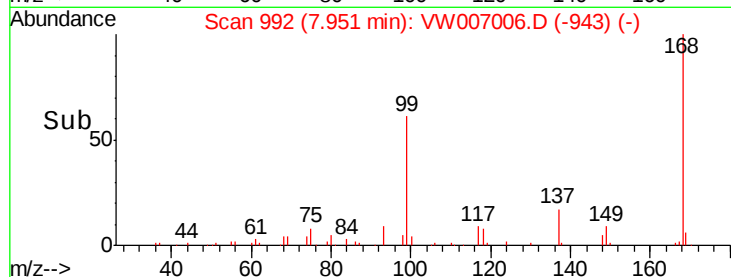
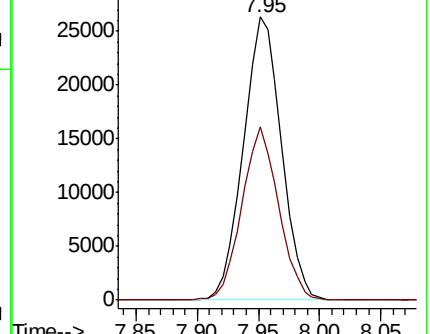
168 100

99 61.2 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 35.170 ug/l

RT: 4.13 min Scan# 366

Delta R.T. -0.01 min

Lab File: VW007006.D

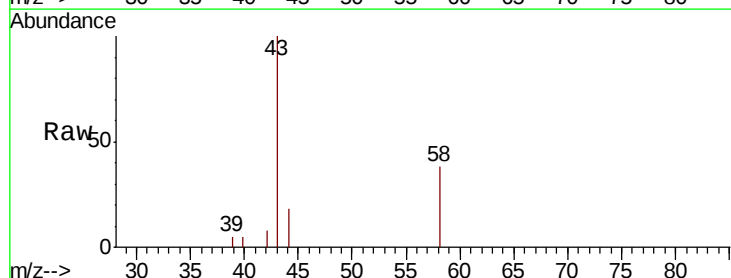
Acq: 21 Nov 2018 17:59

Tgt Ion: 43 Resp: 2848

Ion Ratio Lower Upper

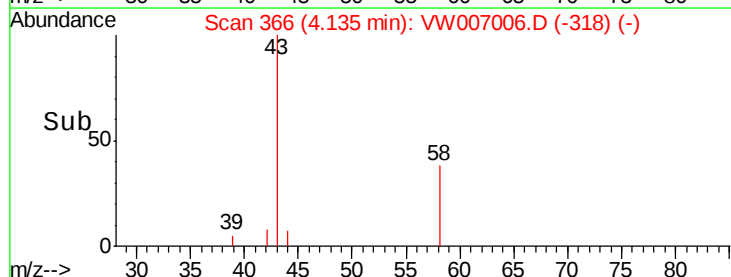
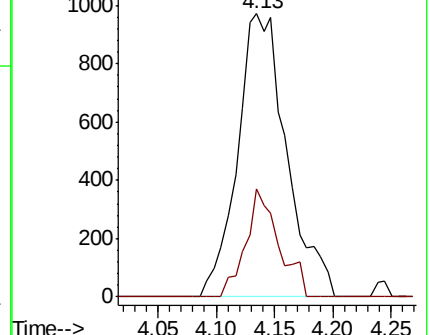
43 100

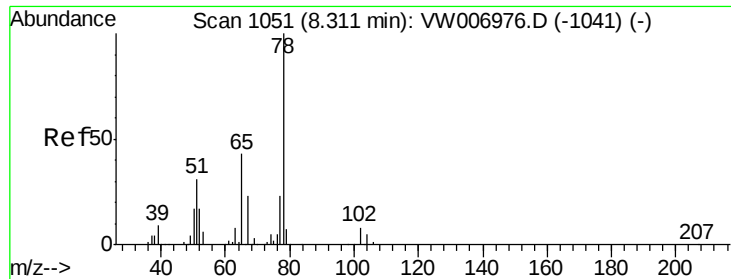
58 38.1 24.8 37.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

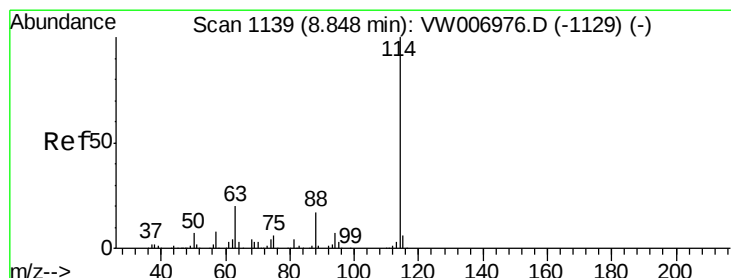
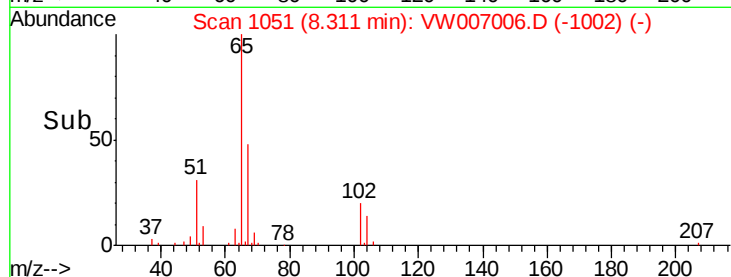
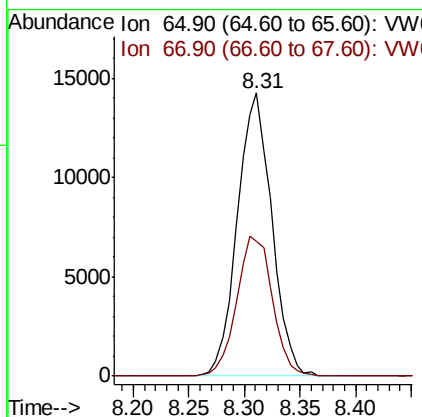
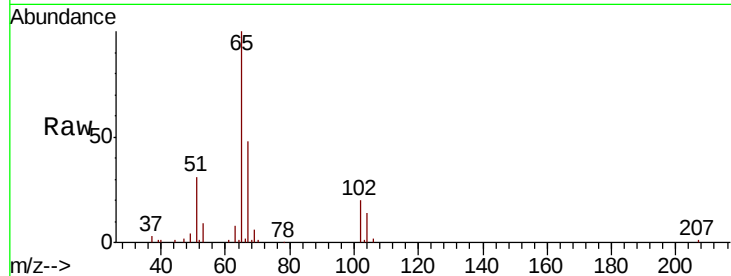




#33
 1,2-Dichloroethane-d4
 Concen: 54.810 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW007006.D
 Acq: 21 Nov 2018 17:59

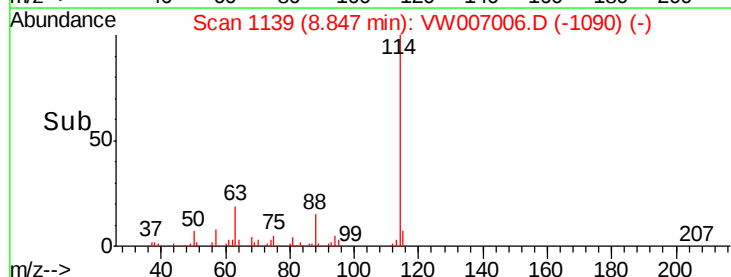
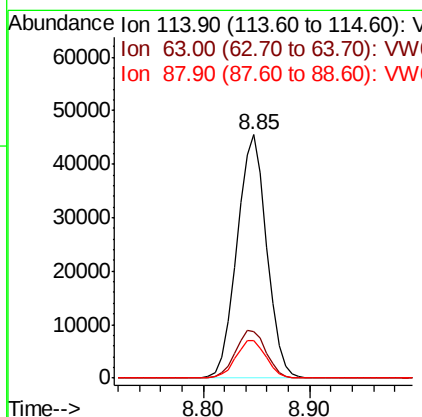
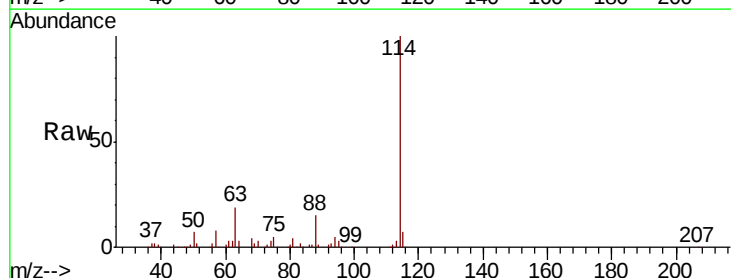
Instrument :
 MSVOA_W
 ClientSampleId :
 PS-SOILRE

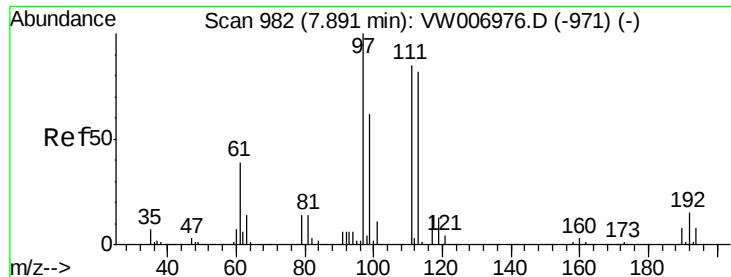
Tot Ion: 65 Resp: 30570
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW007006.D
 Acq: 21 Nov 2018 17:59

Tgt Ion: 114 Resp: 89144
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.4
 88 15.3 0.0 34.2

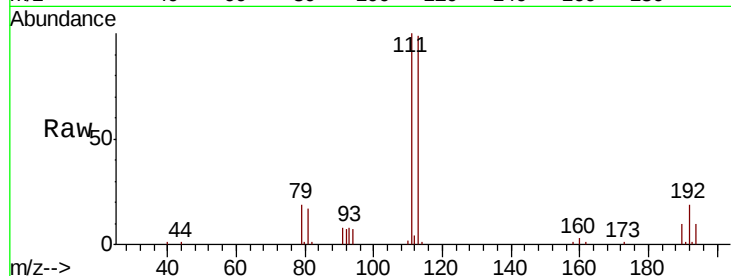




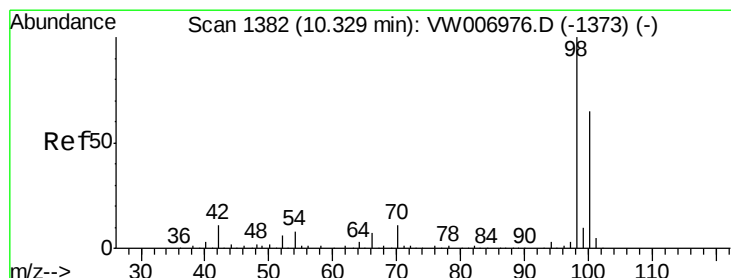
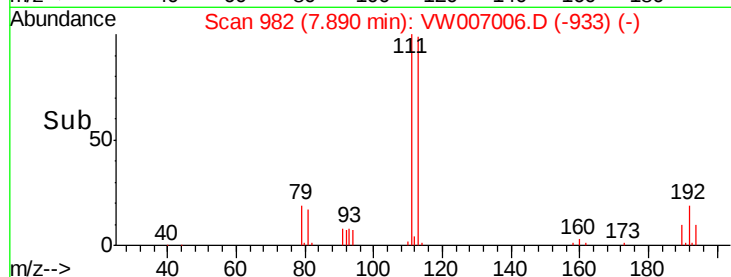
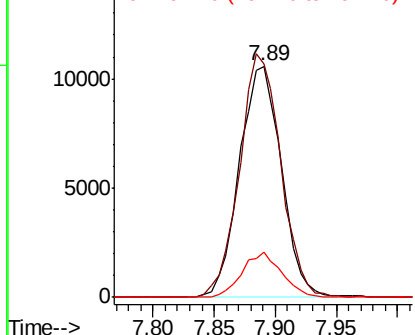
#35
 Dibromofluoromethane
 Concen: 50.070 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW007006.D
 Acq: 21 Nov 2018 17:59

Instrument :
 MSVOA_W
 ClientSampleId :
 PS-SOILRE

Tot Ion:113 Resp: 25206
 Ion Ratio Lower Upper
 113 100
 111 103.4 81.0 121.6
 192 18.2 15.0 22.6

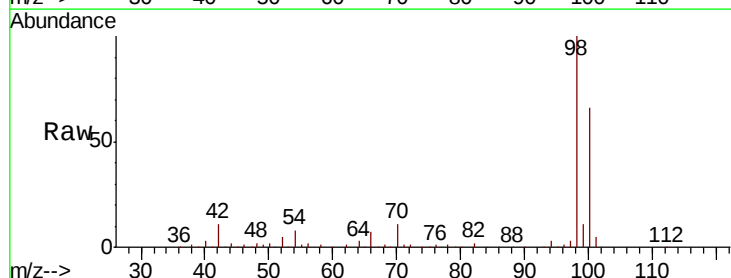


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

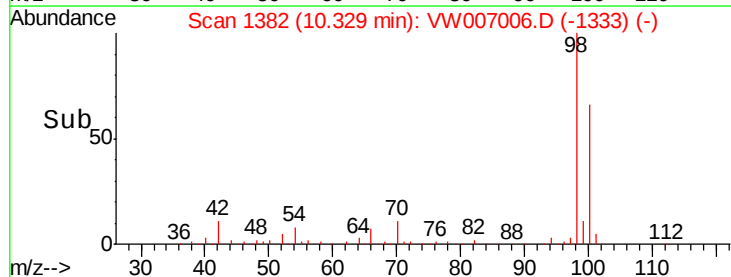
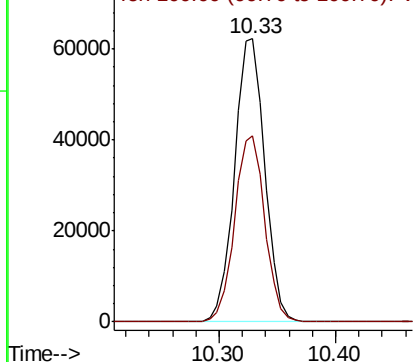


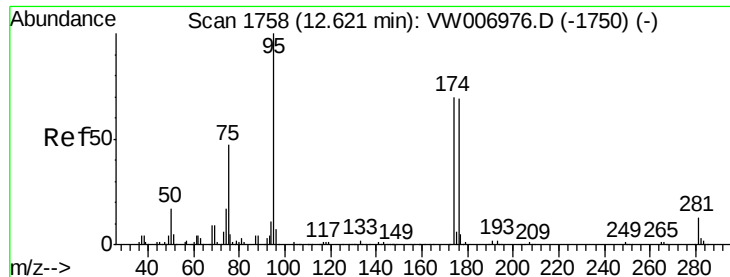
#50
 Toluene-d8
 Concen: 50.586 ug/l
 RT: 10.33 min Scan# 1382
 Delta R.T. -0.00 min
 Lab File: VW007006.D
 Acq: 21 Nov 2018 17:59

Tgt Ion: 98 Resp: 112455
 Ion Ratio Lower Upper
 98 100
 100 65.5 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VW
 Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 35.669 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007006.D

Acq: 21 Nov 2018 17:59

Instrument :

MSVOA_W

ClientSampleId :

PS-SOILRE

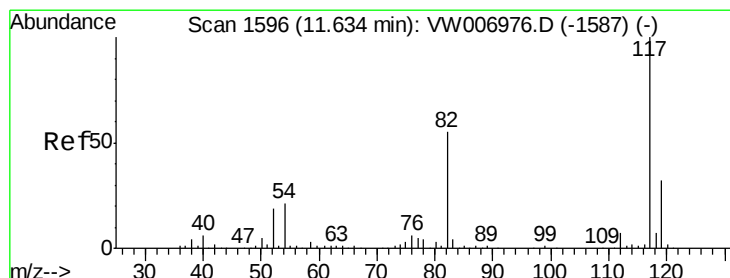
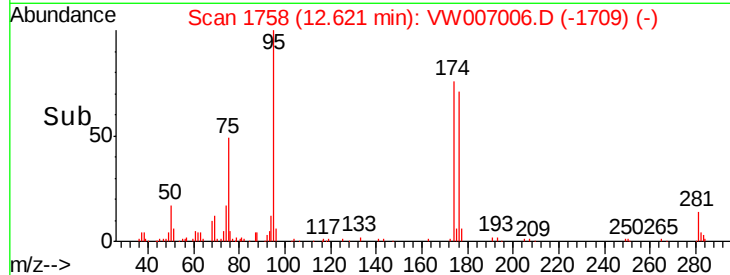
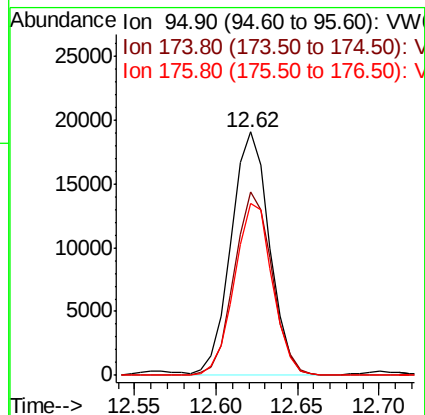
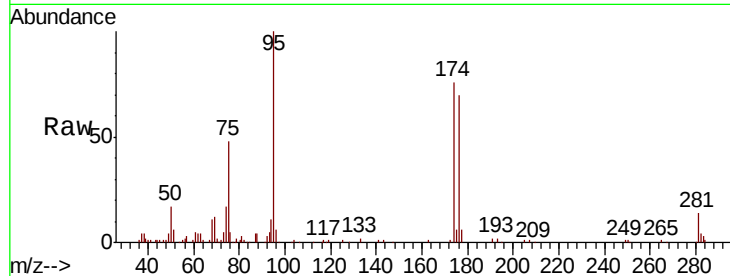
Tot Ion: 95 Resp: 31203

Ion Ratio Lower Upper

95 100

174 74.3 0.0 143.6

176 70.3 0.0 140.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW007006.D

Acq: 21 Nov 2018 17:59

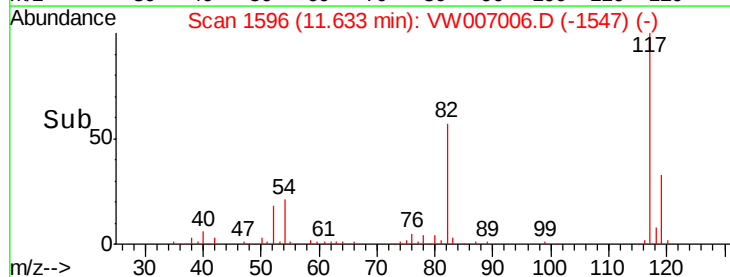
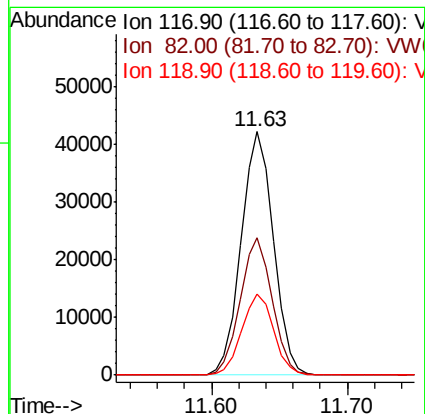
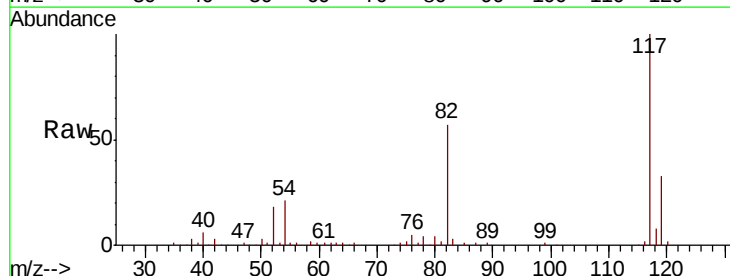
Tgt Ion: 117 Resp: 70097

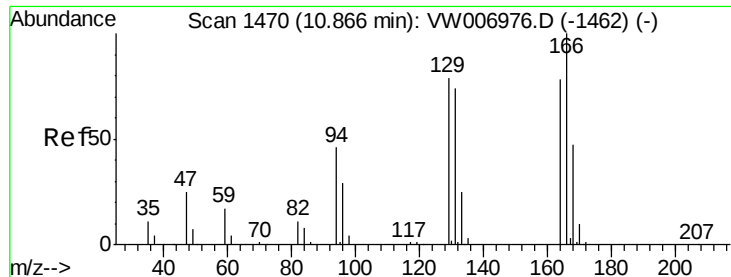
Ion Ratio Lower Upper

117 100

82 56.5 44.2 66.2

119 33.1 25.9 38.9





#64

Tetrachloroethene

Concen: 2.116 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VW007006.D

Acq: 21 Nov 2018 17:59

Instrument :

MSVOA_W

ClientSampleId :

PS-SOILRE

Tot Ion:164 Resp: 954

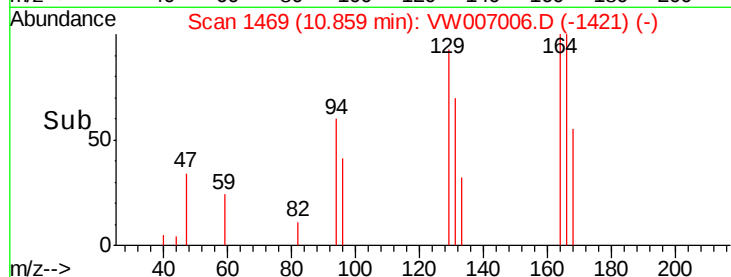
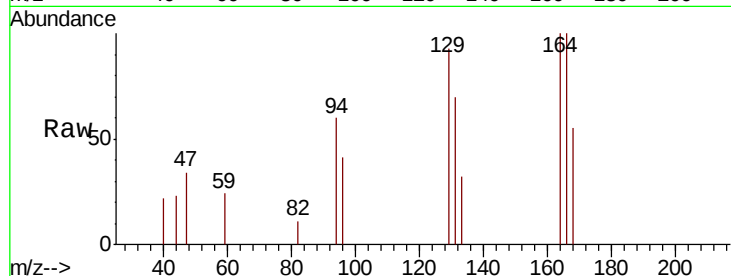
Ion Ratio Lower Upper

164 100

166 99.7 102.1 153.1#

129 92.9 80.4 120.6

131 70.2 75.2 112.8#

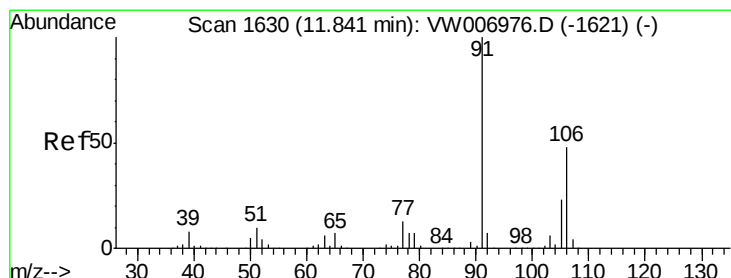
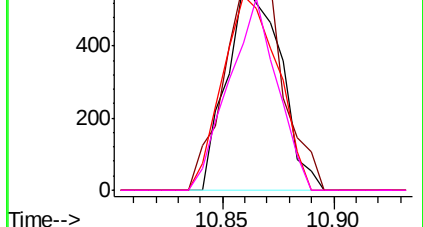


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#68

m/p-Xylenes

Concen: 2.428 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW007006.D

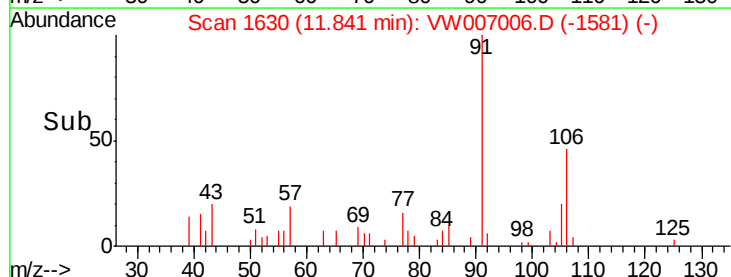
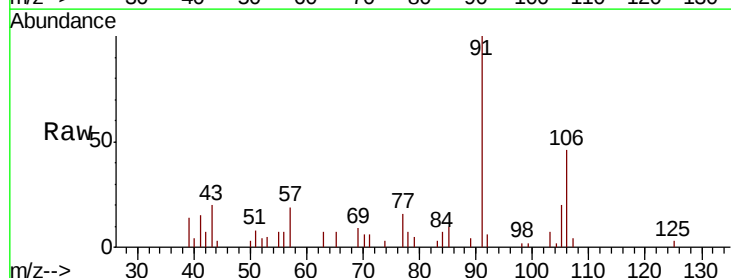
Acq: 21 Nov 2018 17:59

Tgt Ion:106 Resp: 2560

Ion Ratio Lower Upper

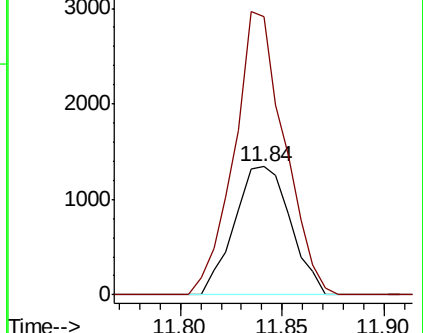
106 100

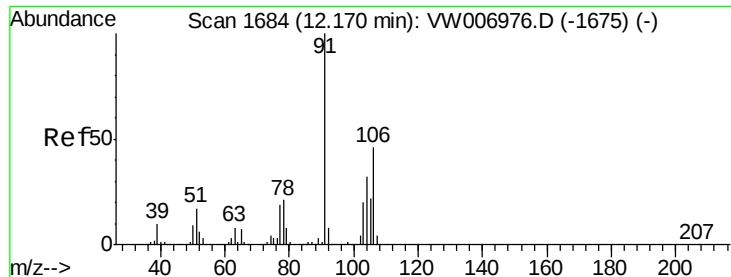
91 199.1 164.8 247.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

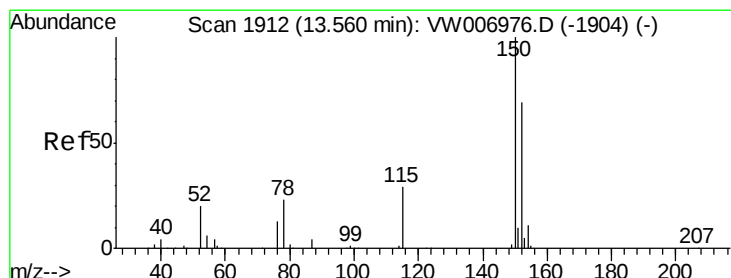
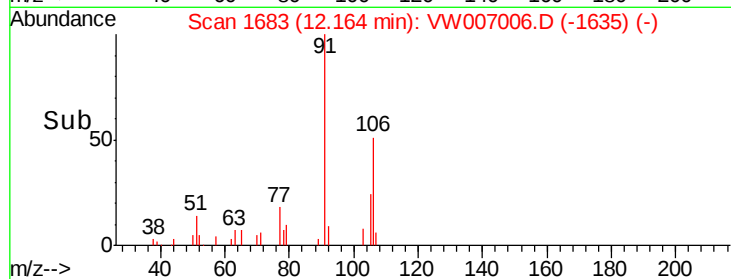
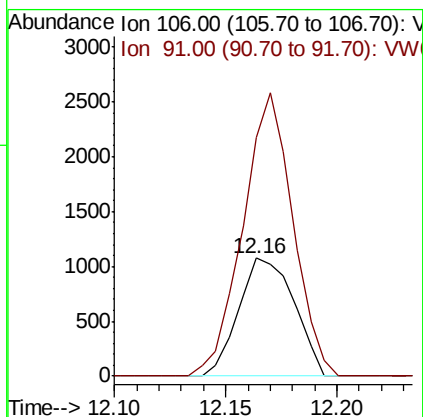
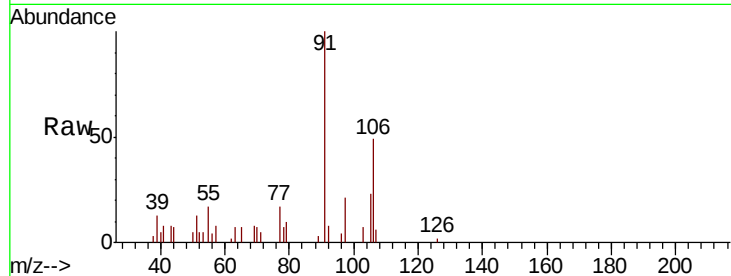




#69
o-Xylene
Concen: 1.876 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW007006.D
Acq: 21 Nov 2018 17:59

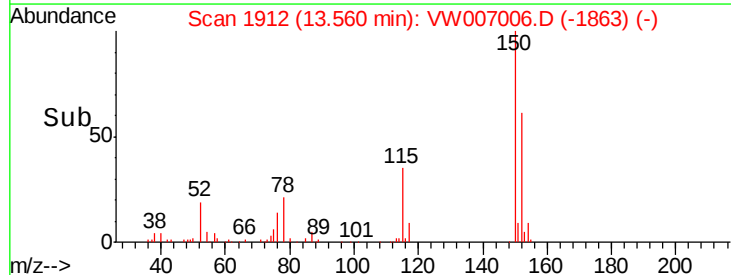
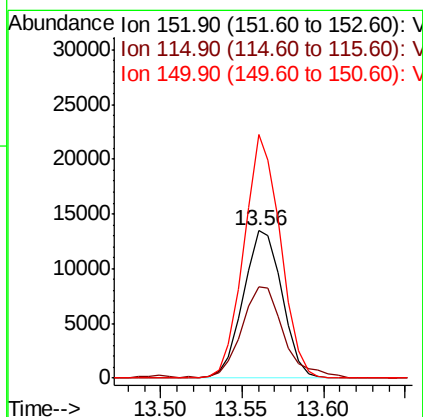
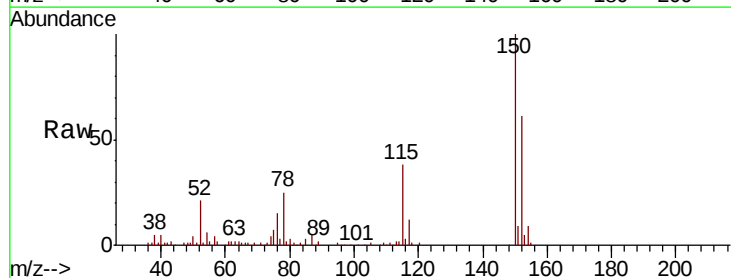
Instrument :
MSVOA_W
ClientSampled :
PS-SOILRE

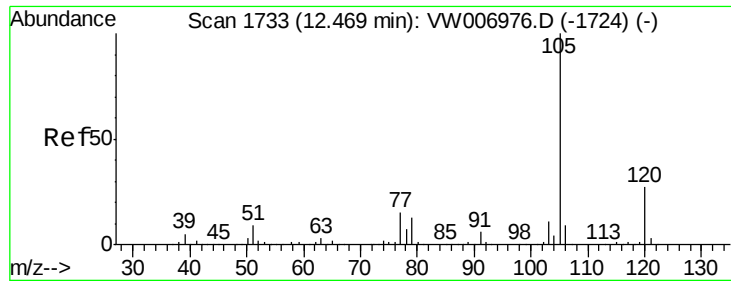
Tot Ion:106 Resp: 1865
Ion Ratio Lower Upper
106 100
91 216.9 107.9 323.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007006.D
Acq: 21 Nov 2018 17:59

Tgt Ion:152 Resp: 22404
Ion Ratio Lower Upper
152 100
115 67.0 31.4 94.2
150 154.4 0.0 353.4





#73

Isopropylbenzene

Concen: 1.446 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007006.D

Acq: 21 Nov 2018 17:59

Instrument :

MSVOA_W

ClientSampleId :

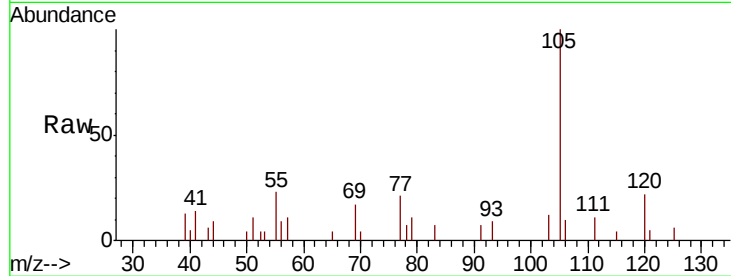
PS-SOILRE

Tot Ion:105 Resp: 2517

Ion Ratio Lower Upper

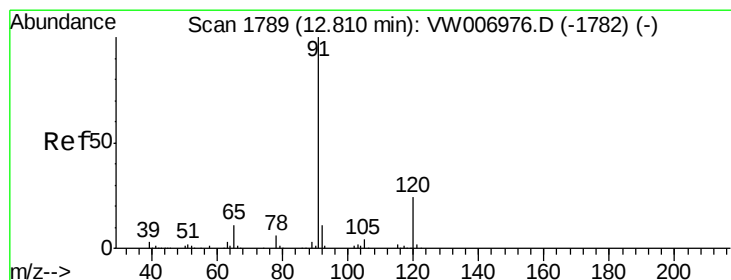
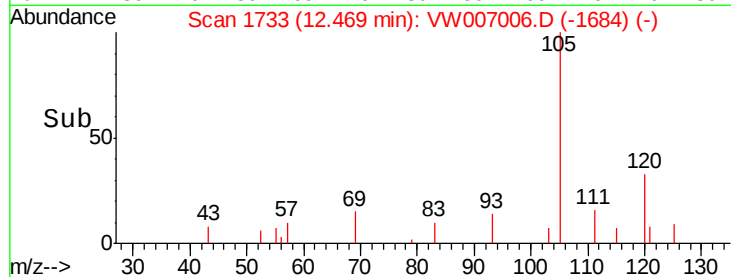
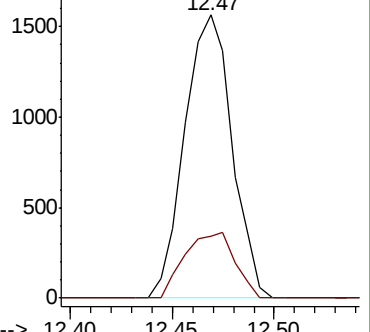
105 100

120 24.6 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 1.977 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW007006.D

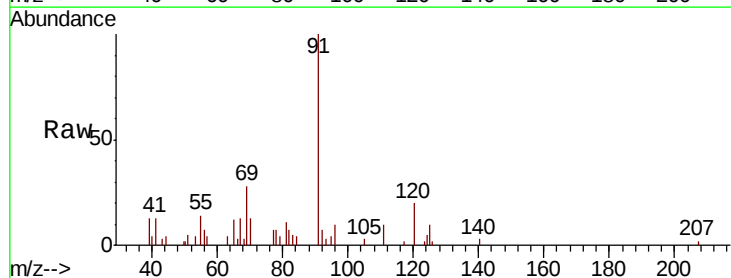
Acq: 21 Nov 2018 17:59

Tgt Ion: 91 Resp: 4169

Ion Ratio Lower Upper

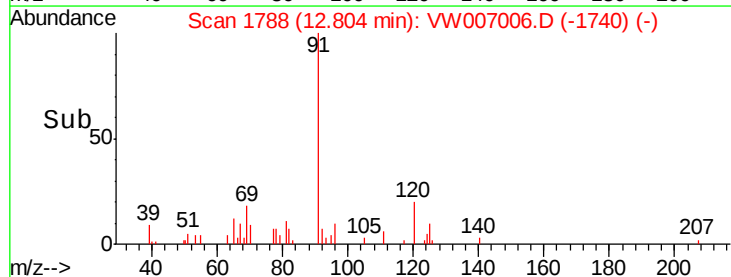
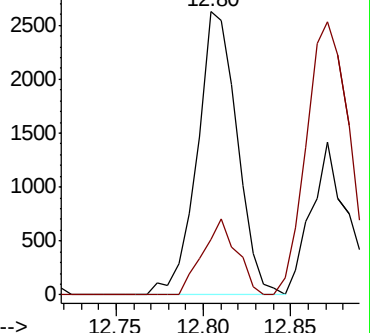
91 100

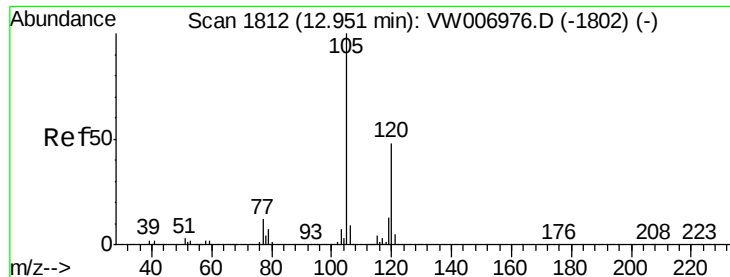
120 23.0 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

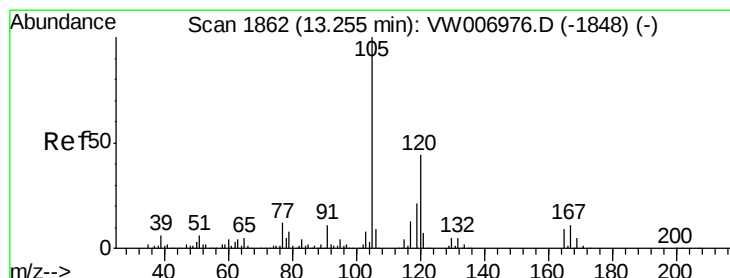
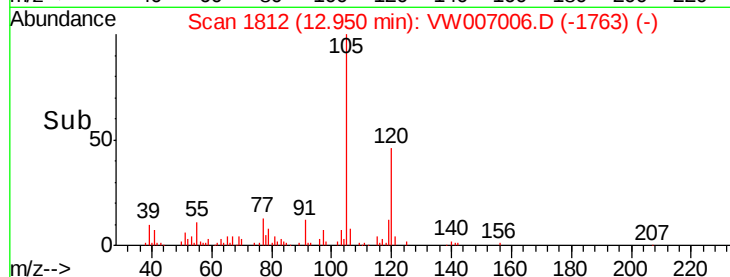
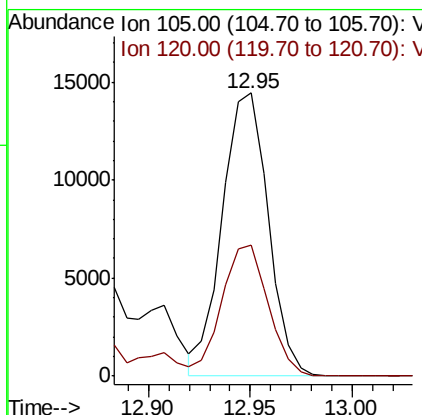
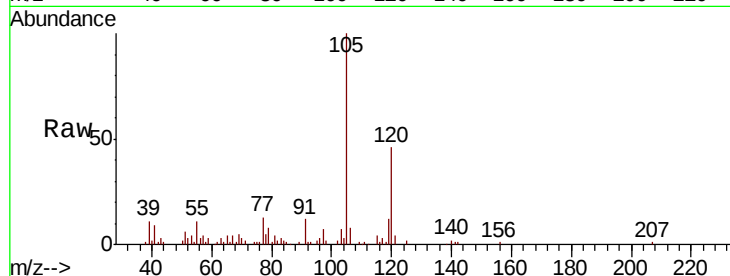




#80
 1,3,5-Trimethylbenzene
 Concen: 14.977 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: VW007006.D
 Acq: 21 Nov 2018 17:59

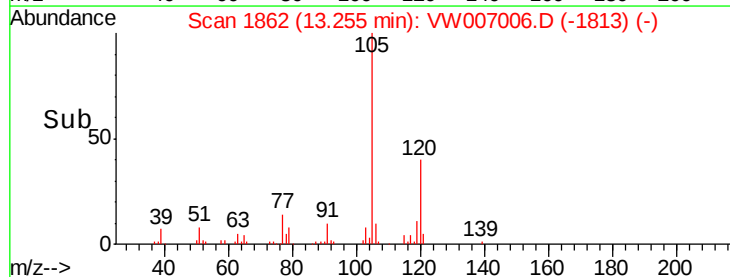
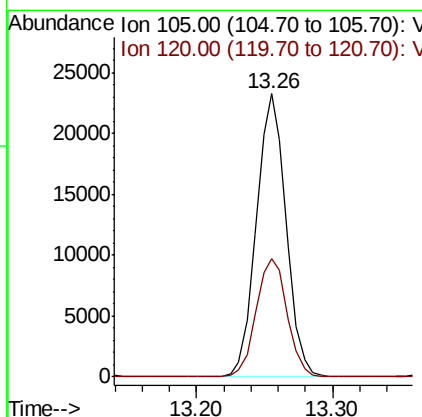
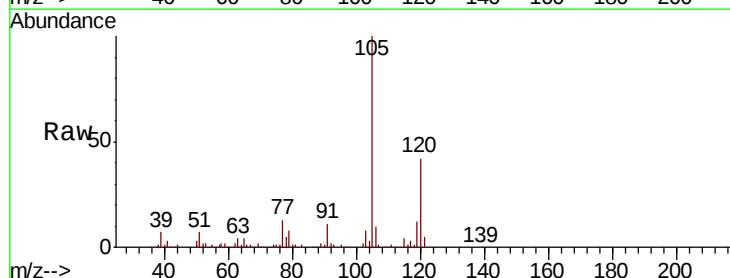
Instrument :
 MSVOA_W
 ClientSampleId :
 PS-SOILRE

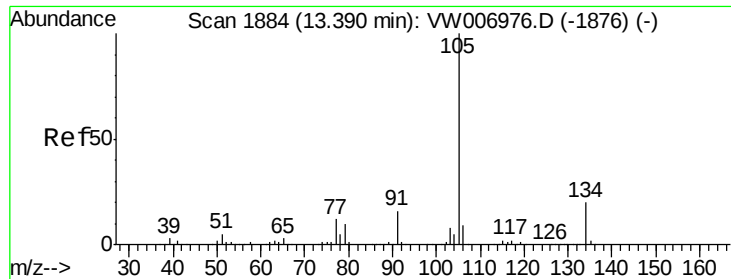
Tot Ion:105 Resp: 22551
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.8 71.2



#84
 1,2,4-Trimethylbenzene
 Concen: 23.726 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW007006.D
 Acq: 21 Nov 2018 17:59

Tgt Ion:105 Resp: 35593
 Ion Ratio Lower Upper
 105 100
 120 43.5 21.8 65.3

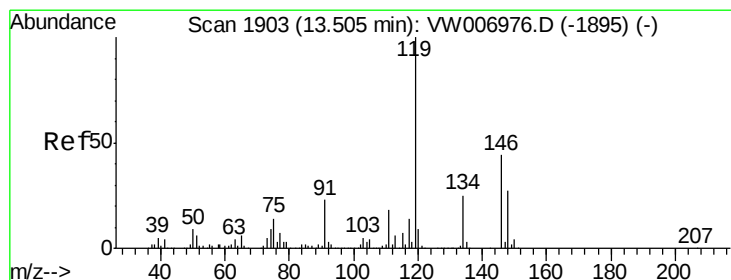
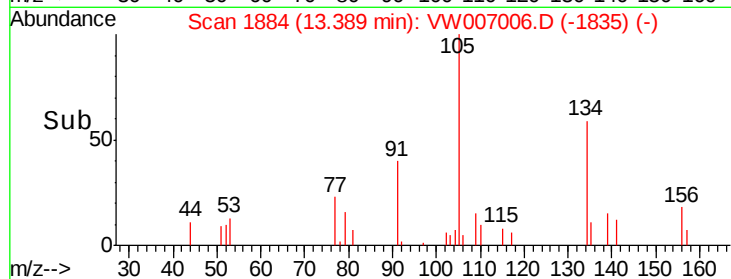
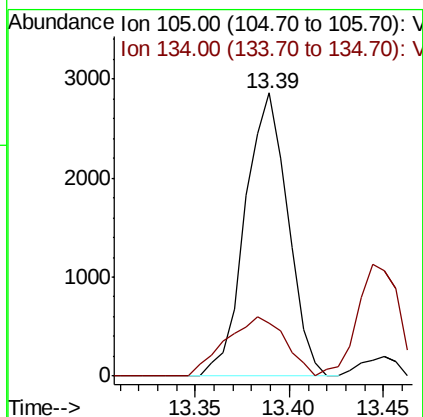
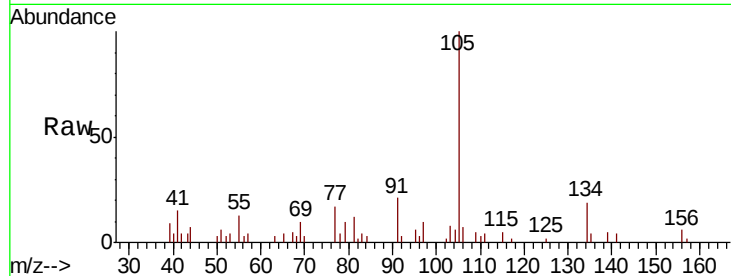




#85
 sec-Butylbenzene
 Concen: 2.440 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007006.D
 Acq: 21 Nov 2018 17:59

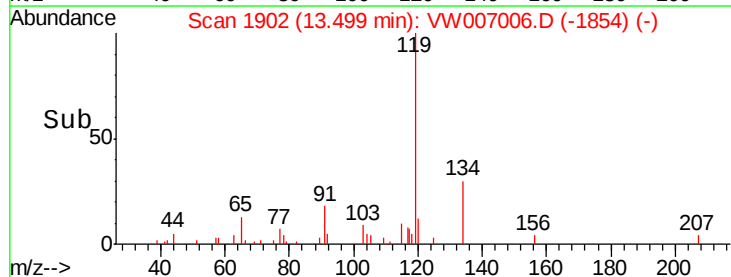
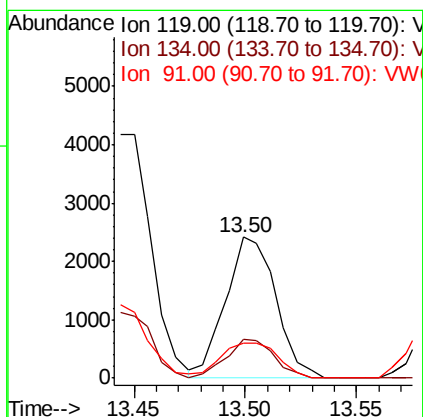
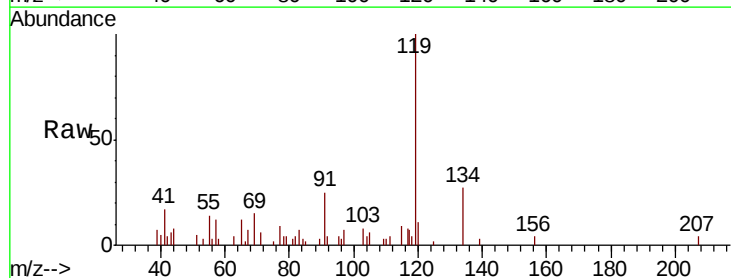
Instrument :
 MSVOA_W
 ClientSampleId :
 PS-SOILRE

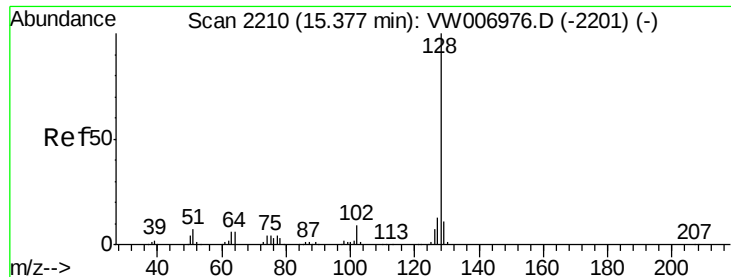
Tot Ion:105 Resp: 4494
 Ion Ratio Lower Upper
 105 100
 134 29.1 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 2.331 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW007006.D
 Acq: 21 Nov 2018 17:59

Tgt Ion:119 Resp: 3787
 Ion Ratio Lower Upper
 119 100
 134 26.4 12.8 38.3
 91 28.7 12.2 36.6





#95

Naphthalene

Concen: 2.329 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.01 min

Lab File: VW007006.D

Acq: 21 Nov 2018 17:59

Instrument :

MSVOA_W

ClientSampleId :

PS-SOILRE

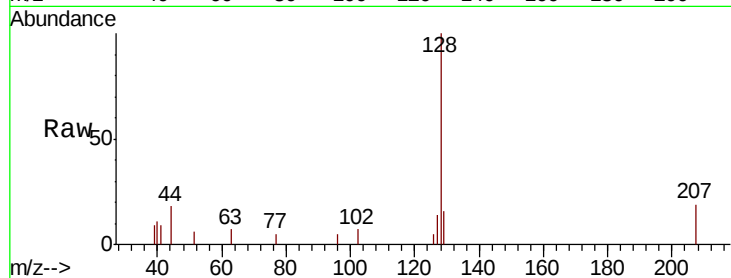
Tot Ion:128 Resp: 1865

Ion Ratio Lower Upper

128 100

127 16.0 10.5 15.7#

129 10.2 8.7 13.1



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

