

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW103118\
 Data File : VW006485.D
 Acq On : 30 Oct 2018 06:36
 Operator : SY/AP
 Sample : J5639-09RE
 Misc : 5.77G/5ML/MSVOA W/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BS-SOIL-3RE

Quant Time: Oct 30 07:39:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	50660	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	71328	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	61233	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	28085	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	23003	54.77	ug/l	0.00
Spiked Amount			Recovery	=	109.54%	
35) Dibromofluoromethane	7.89	113	22111	52.46	ug/l	0.00
Spiked Amount			Recovery	=	104.92%	
50) Toluene-d8	10.33	98	75908	47.34	ug/l	0.00
Spiked Amount			Recovery	=	94.68%	
62) 4-Bromofluorobenzene	12.62	95	24999	41.51	ug/l	0.00
Spiked Amount			Recovery	=	83.02%	

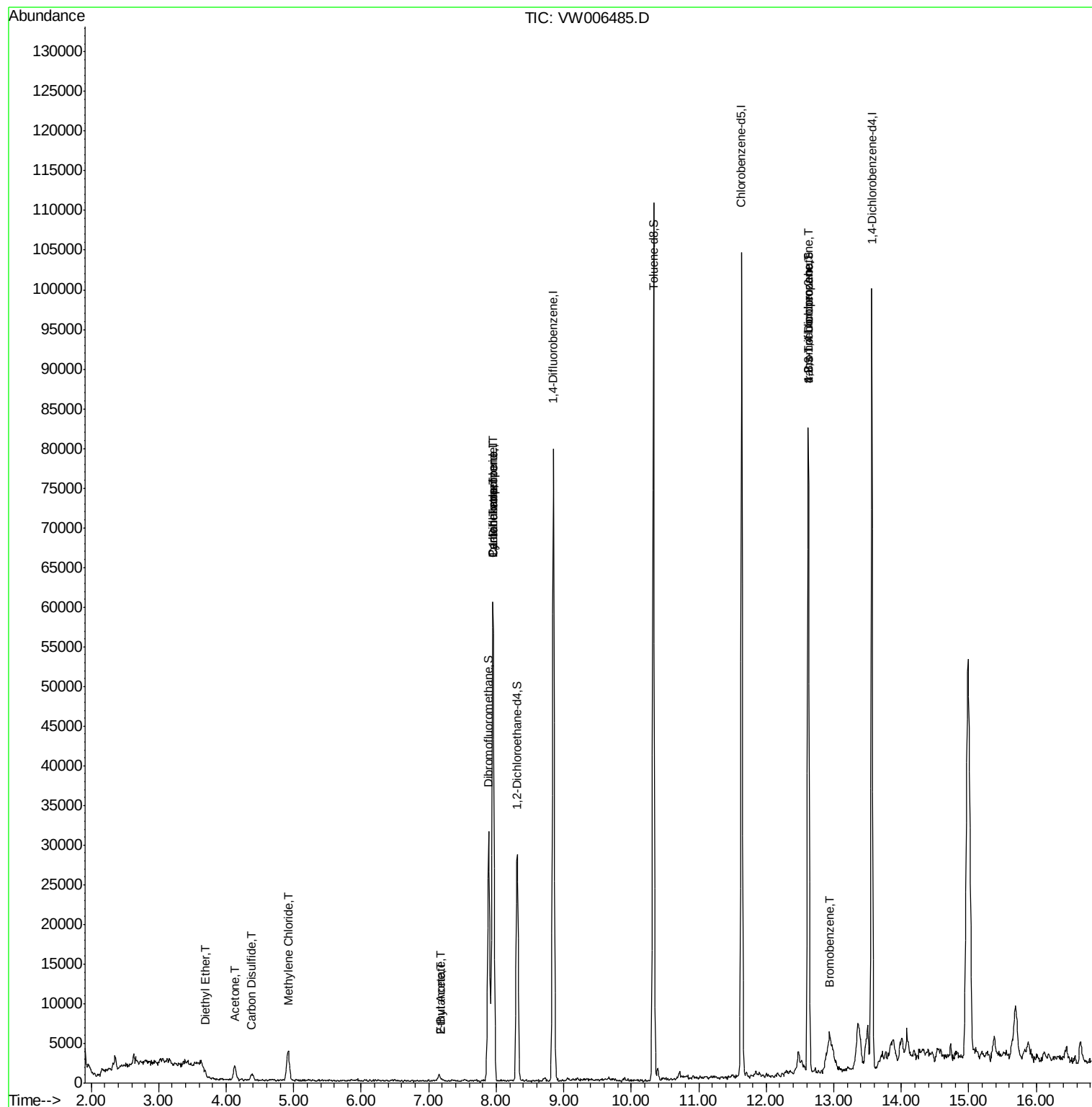
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	376	1.648	ug/l #	48
16) Acetone	4.13	43	3249	28.093	ug/l	96
17) Carbon Disulfide	4.38	76	1513	1.184	ug/l	98
20) Methylene Chloride	4.92	84	3120	5.574	ug/l	88
25) 2-Butanone	7.18	43	467	4.116	ug/l #	46
31) Cyclohexane	7.96	56	1044	1.358	ug/l #	57
36) 1,1-Dichloropropene	7.95	75	3319	5.048	ug/l #	46
37) Ethyl Acetate	7.18	43	467	1.912	ug/l #	67
38) Carbon Tetrachloride	7.95	117	4410	6.119	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	12626	58.859	ug/l #	100
77) Bromobenzene	12.93	156	4113	8.463	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	12626	140.695	ug/l #	10

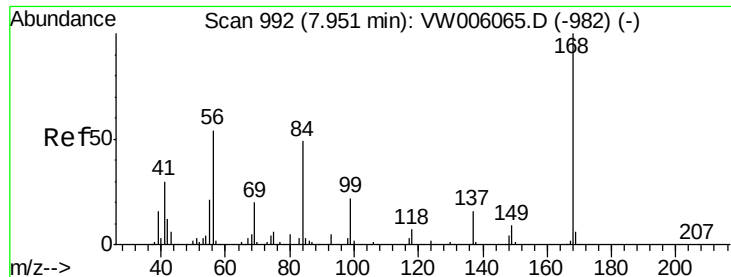
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 18 17:01:24 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: VW006485.D

Acq: 30 Oct 2018 06:36

Instrument :

MSVOA_W

ClientSampleId :

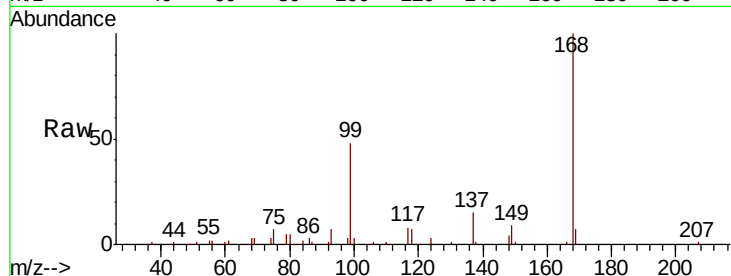
BS-SOIL-3RE

Tot Ion:168 Resp: 50660

Ion Ratio Lower Upper

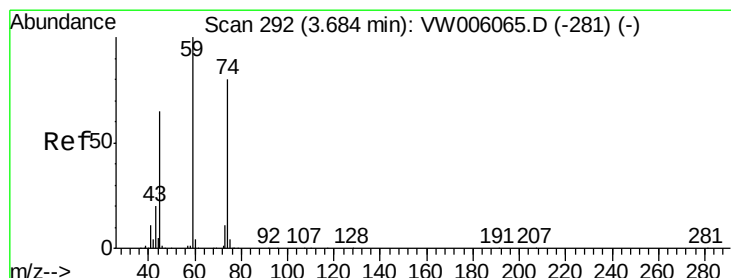
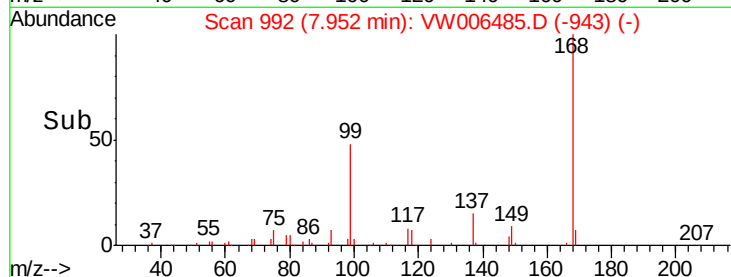
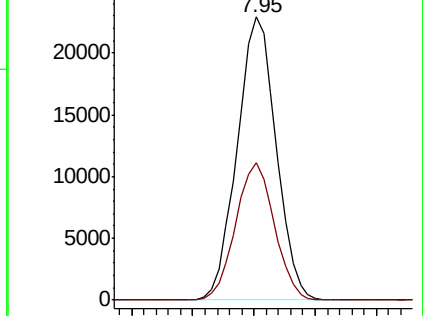
168 100

99 48.5 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.648 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.00 min

Lab File: VW006485.D

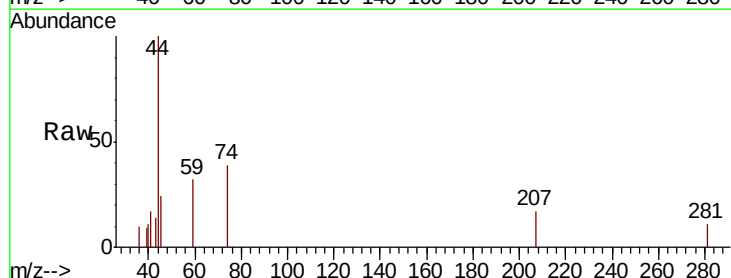
Acq: 30 Oct 2018 06:36

Tgt Ion: 74 Resp: 376

Ion Ratio Lower Upper

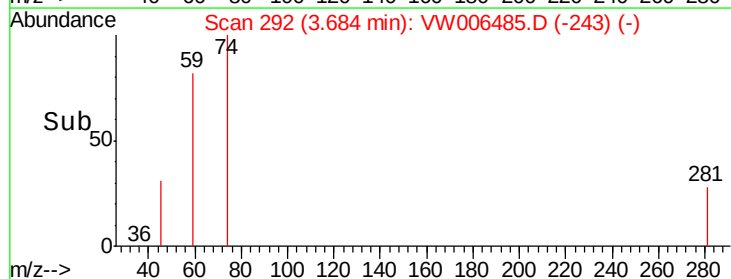
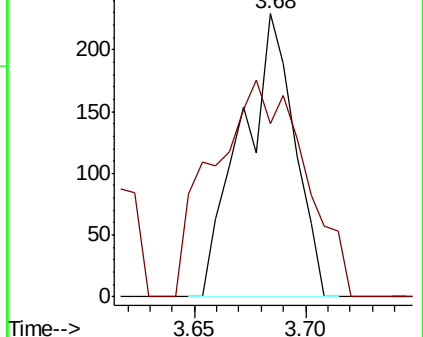
74 100

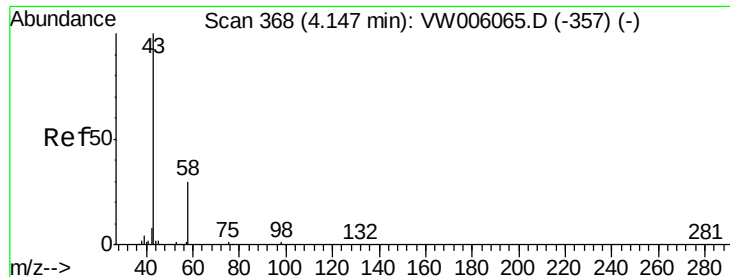
45 132.7 42.8 128.3#



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#16

Acetone

Concen: 28.093 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.02 min

Lab File: VW006485.D

Acq: 30 Oct 2018 06:36

Instrument :

MSVOA_W

ClientSampleId :

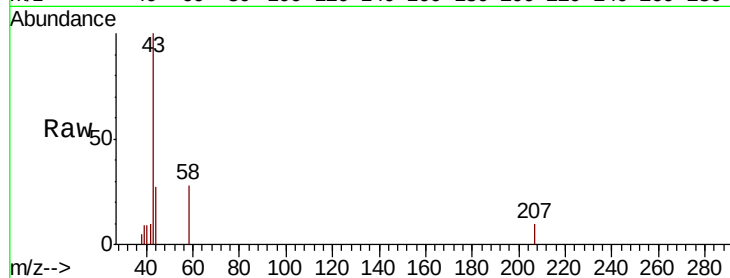
BS-SOIL-3RE

Tot Ion: 43 Resp: 3249

Ion Ratio Lower Upper

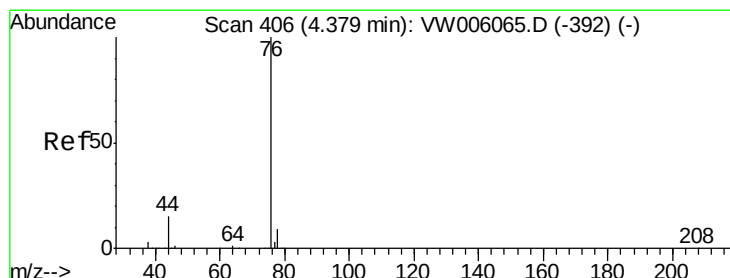
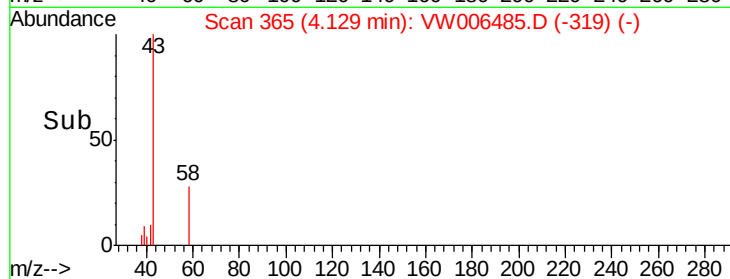
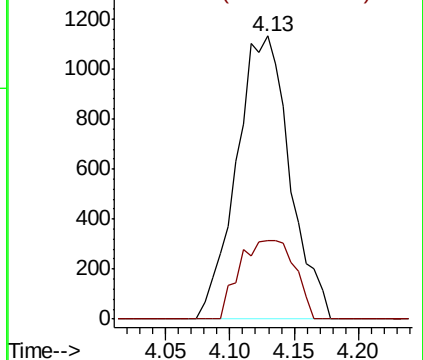
43 100

58 27.7 24.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#17

Carbon Disulfide

Concen: 1.184 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW006485.D

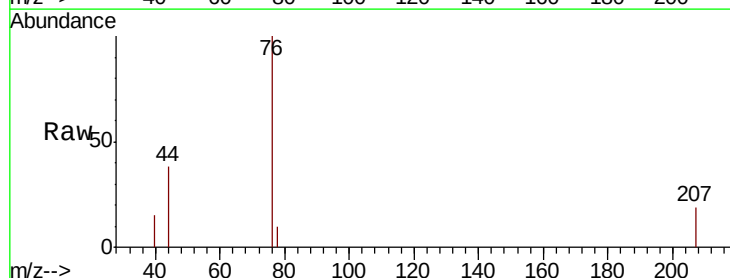
Acq: 30 Oct 2018 06:36

Tgt Ion: 76 Resp: 1513

Ion Ratio Lower Upper

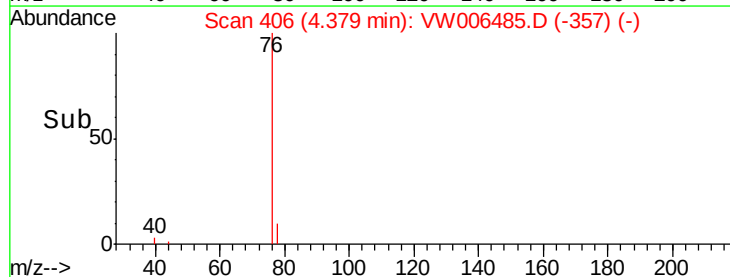
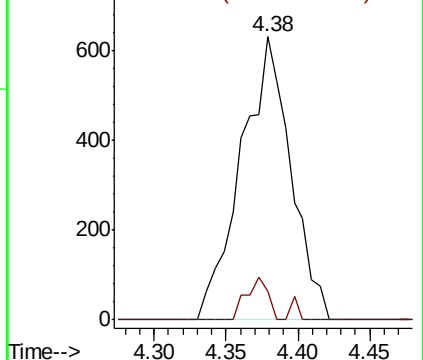
76 100

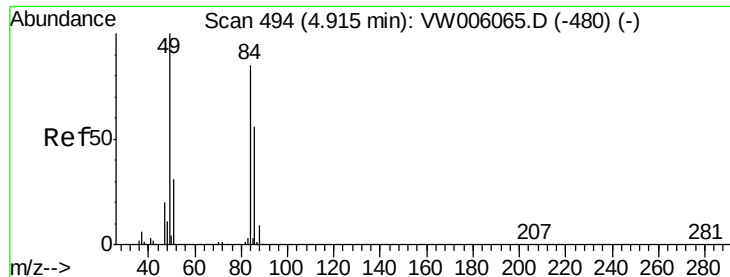
78 10.1 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

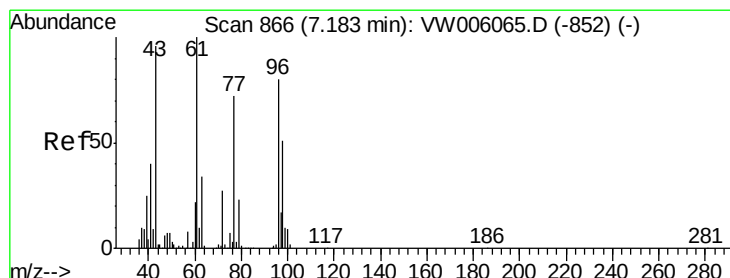
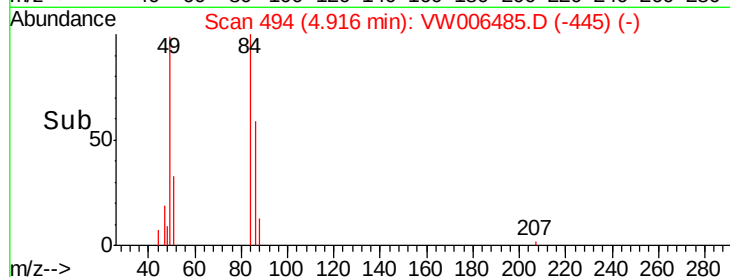
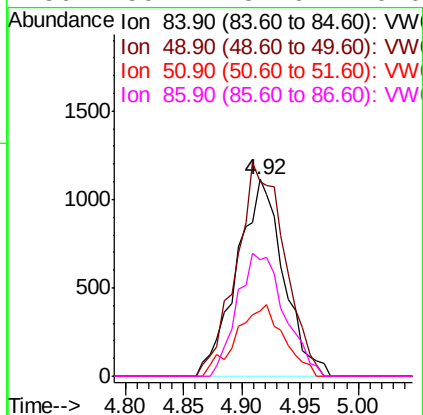
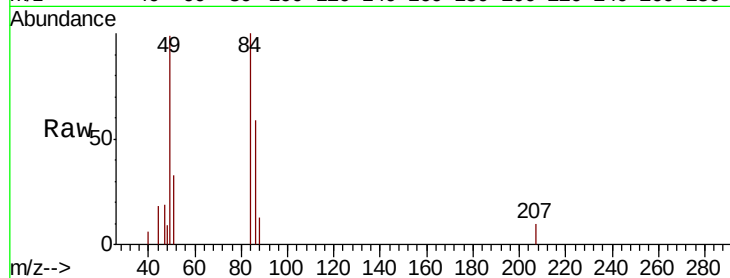




#20
Methylene Chloride
Concen: 5.574 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW006485.D
Acq: 30 Oct 2018 06:36

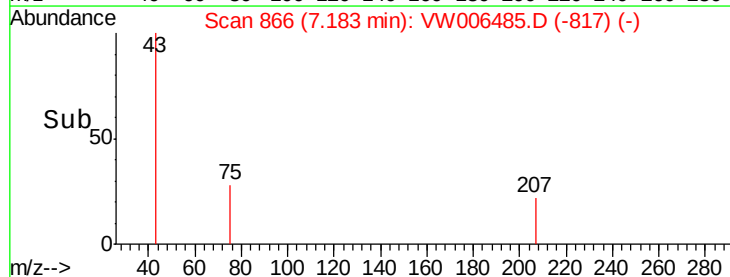
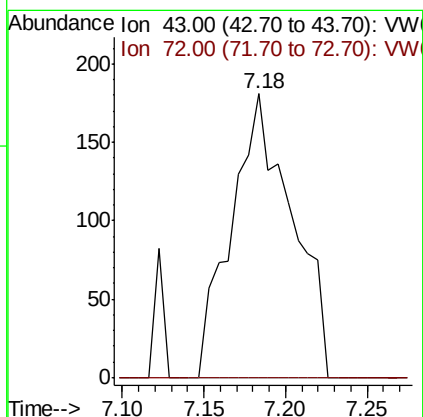
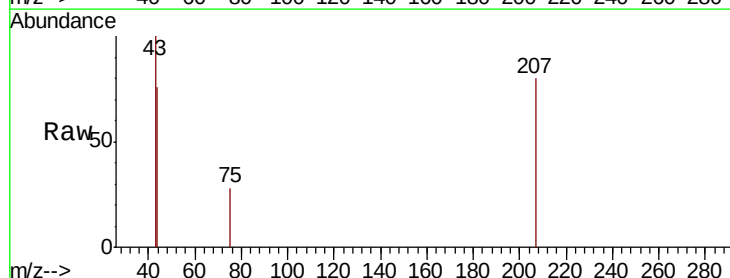
Instrument :
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BS-SOIL-3RE

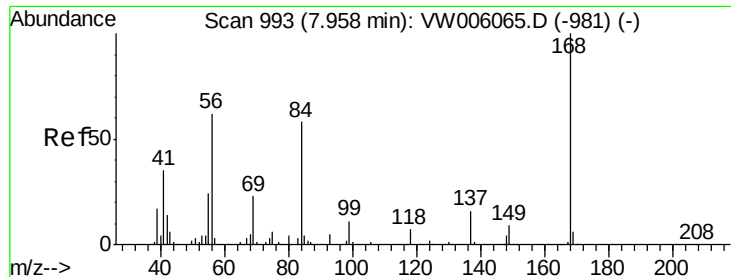
Tot Ion:	84	Resp:	3120
Ion	Ratio	Lower	Upper
84	100		
49	98.8	93.6	140.4
51	32.9	29.0	43.4
86	59.4	52.6	79.0



#25
2-Butanone
Concen: 4.116 ug/l
RT: 7.18 min Scan# 866
Delta R.T. 0.00 min
Lab File: VW006485.D
Acq: 30 Oct 2018 06:36

Tgt Ion:	43	Resp:	467
Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.8	34.2#

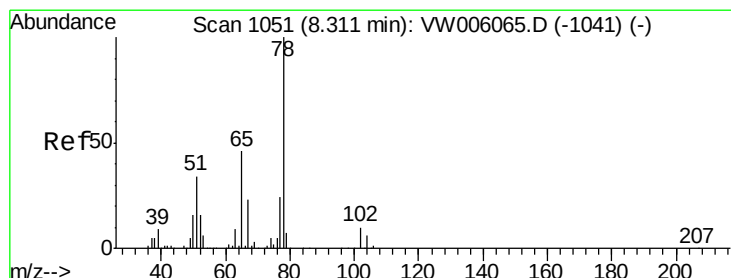
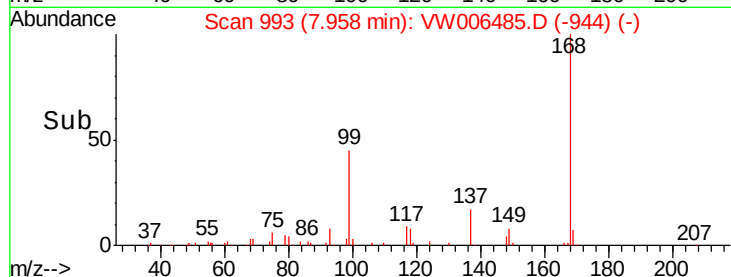
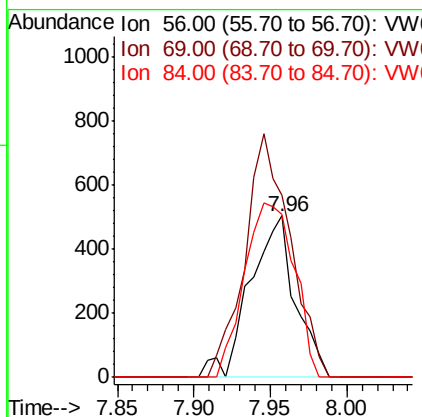
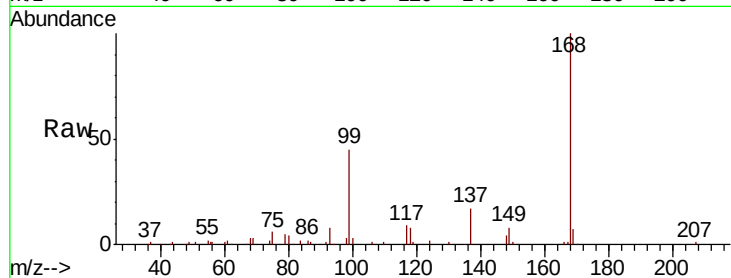




#31
Cyclohexane
Concen: 1.358 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW006485.D
Acq: 30 Oct 2018 06:36

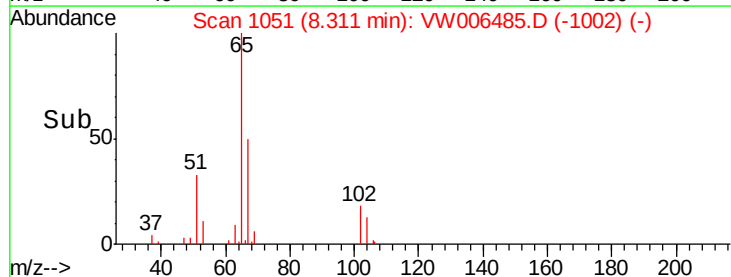
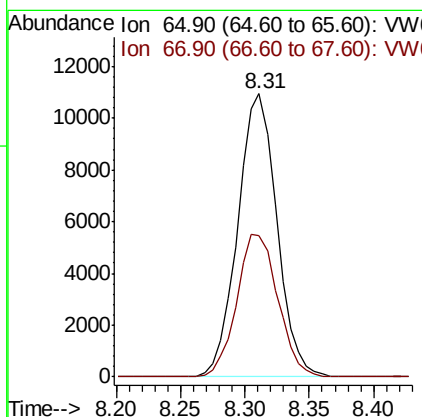
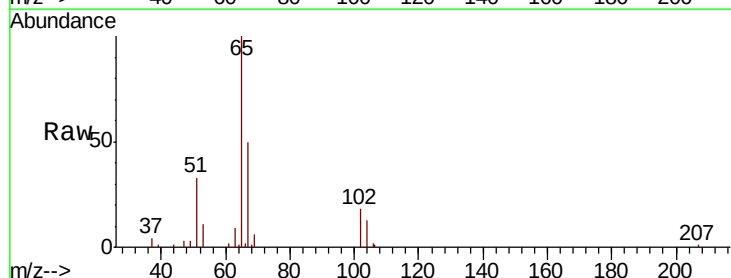
Instrument :
MSVOA_W
ClientSampleId :
BS-SOIL-3RE

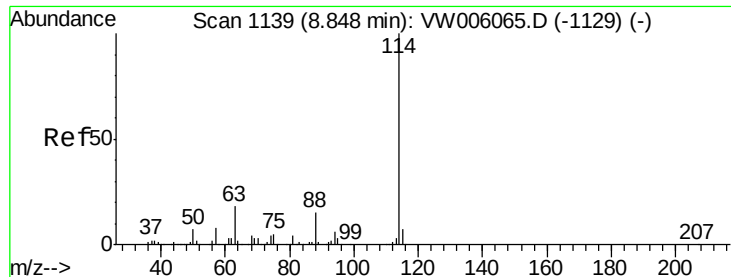
Tot Ion: 56 Resp: 1044
Ion Ratio Lower Upper
56 100
69 113.1 29.4 44.0#
84 100.6 74.0 111.0



#33
1,2-Dichloroethane-d4
Concen: 54.769 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VW006485.D
Acq: 30 Oct 2018 06:36

Tgt Ion: 65 Resp: 23003
Ion Ratio Lower Upper
65 100
67 52.8 0.0 101.0

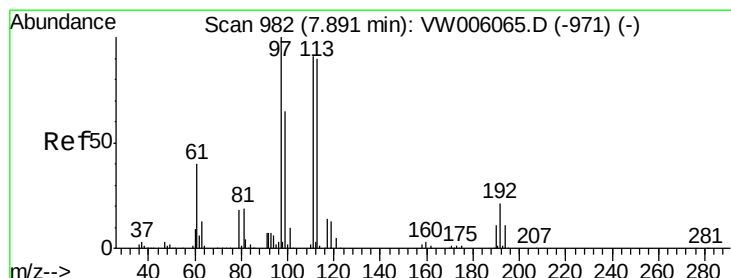
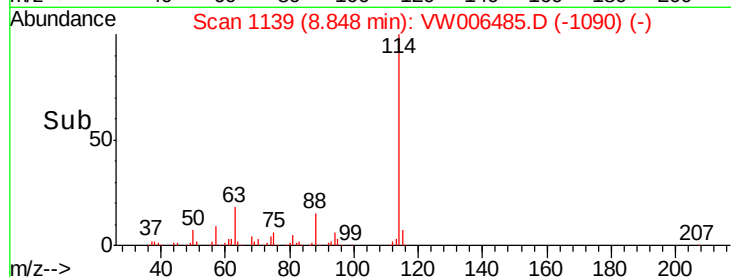
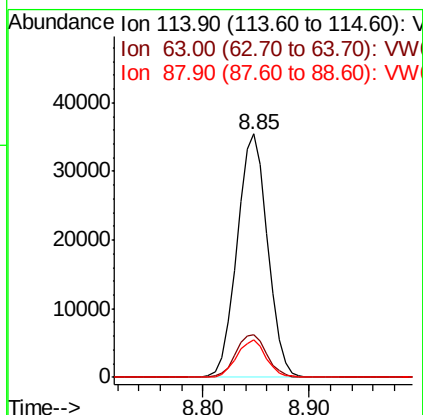
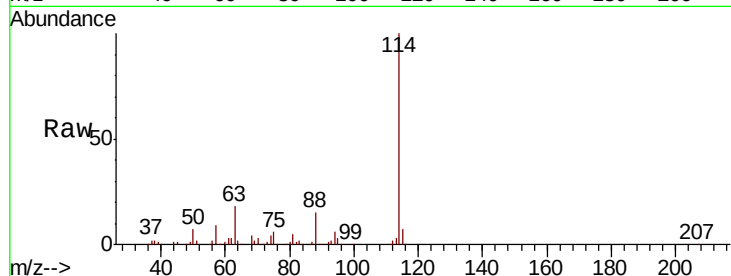




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006485.D
 Acq: 30 Oct 2018 06:36

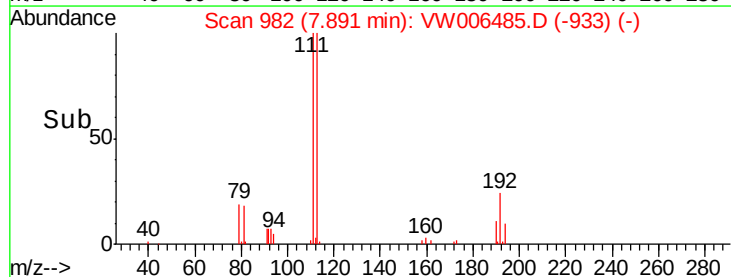
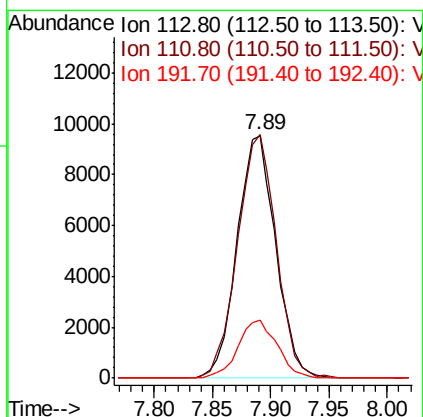
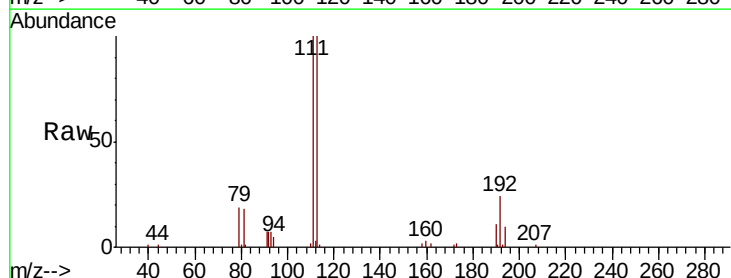
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 ClientSampleId :
 BS-SOIL-3RE

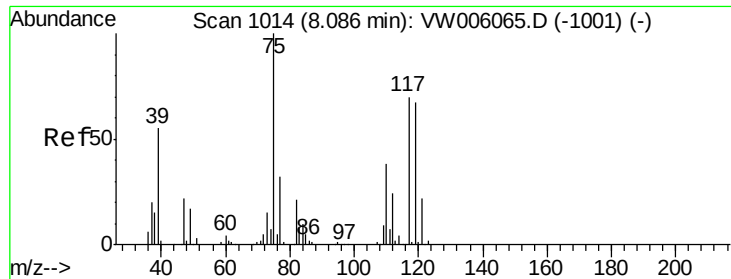
Tot Ion	Ratio	Lower	Upper
114	100		
63	17.6	0.0	36.8
88	15.2	0.0	29.0



#35
 Dibromofluoromethane
 Concen: 52.461 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW006485.D
 Acq: 30 Oct 2018 06:36

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.6	81.4	122.0
192	23.9	18.7	28.1

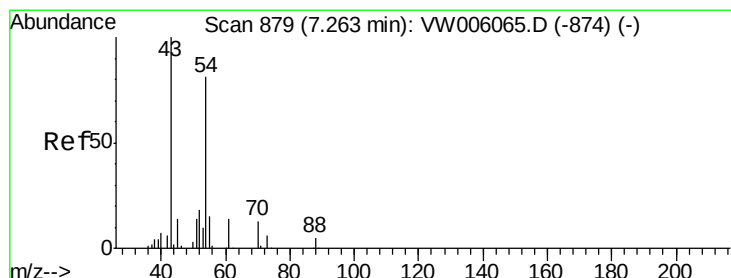
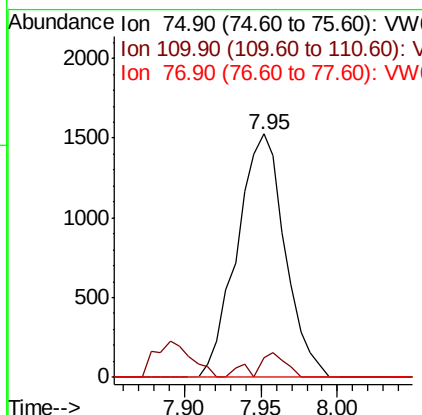
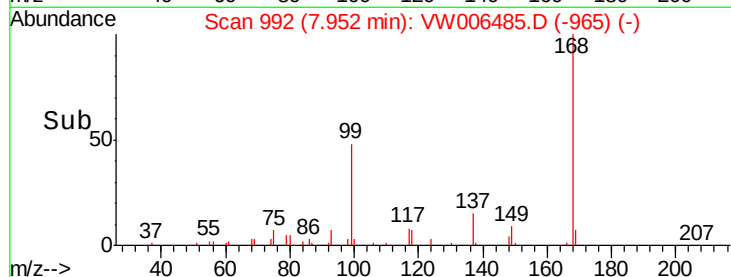
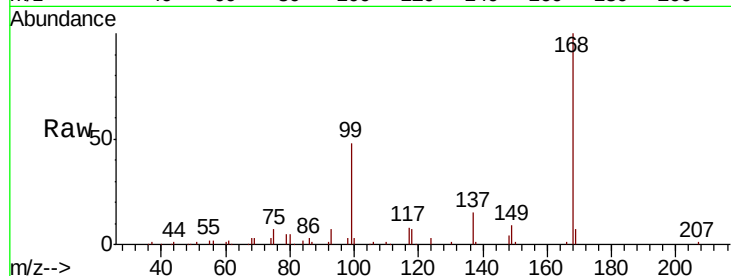




#36
 1,1-Dichloropropene
 Concen: 5.048 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW006485.D
 Acq: 30 Oct 2018 06:36

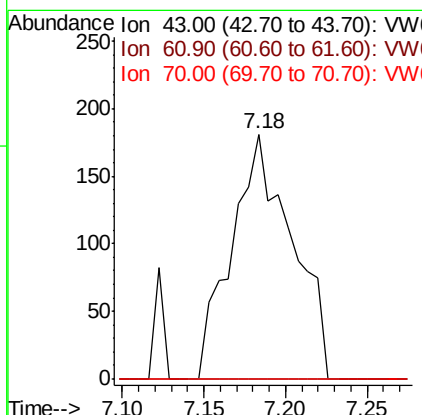
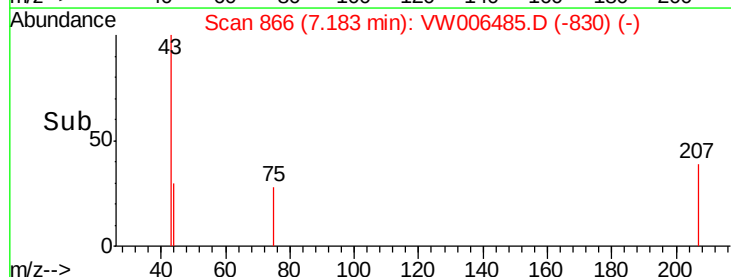
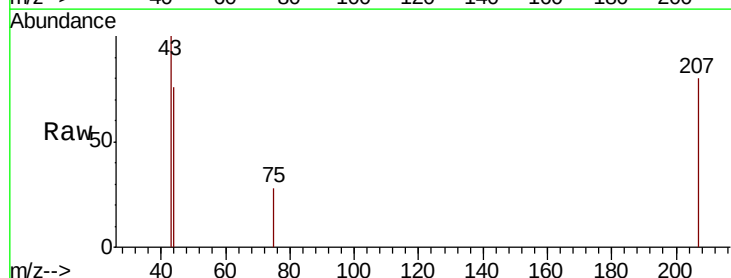
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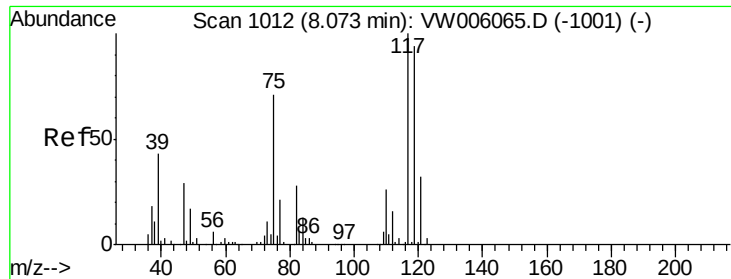
Tot Ion: 75 Resp: 3319
 Ion Ratio Lower Upper
 75 100
 110 6.6 19.1 57.1#
 77 0.0 25.0 37.4#



#37
 Ethyl Acetate
 Concen: 1.912 ug/l
 RT: 7.18 min Scan# 866
 Delta R.T. -0.08 min
 Lab File: VW006485.D
 Acq: 30 Oct 2018 06:36

Tgt Ion: 43 Resp: 467
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.5 17.3#
 70 0.0 9.2 13.8#

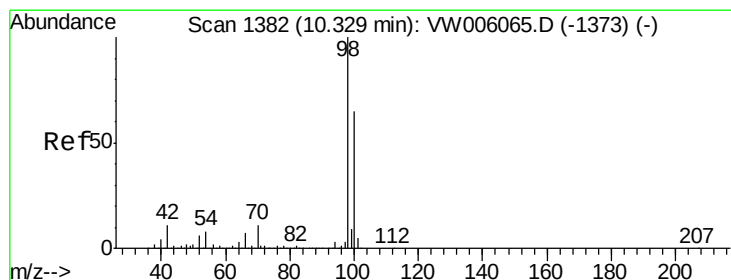
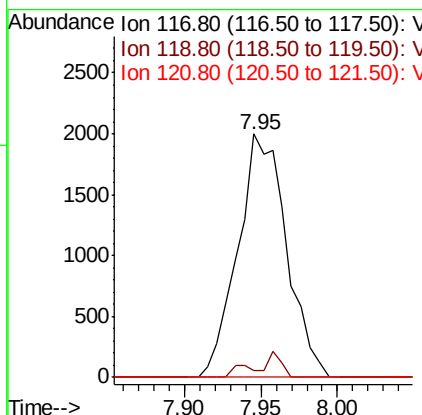
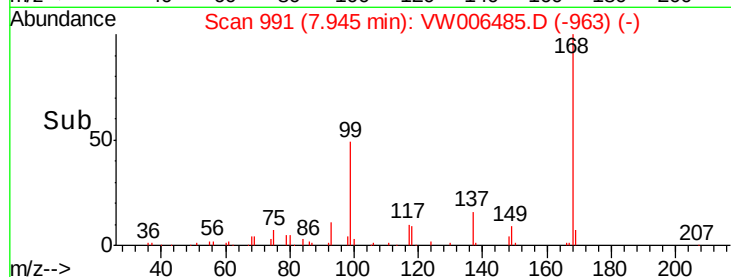
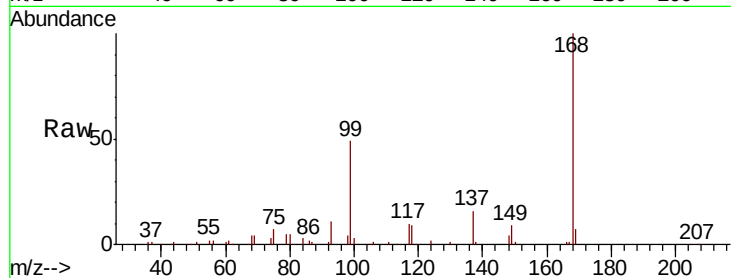




#38
Carbon Tetrachloride
Concen: 6.119 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.13 min
Lab File: VW006485.D
Acq: 30 Oct 2018 06:36

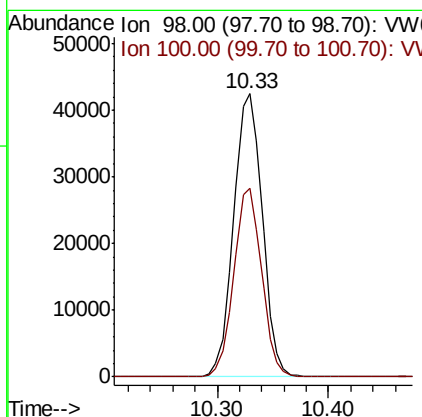
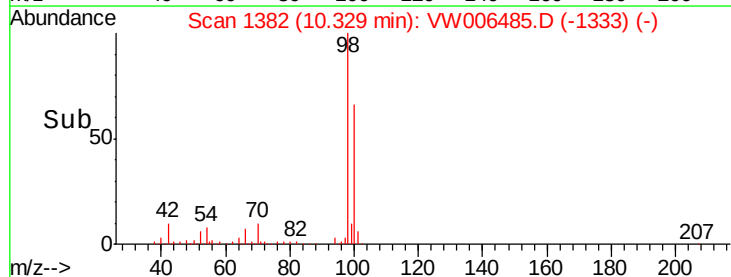
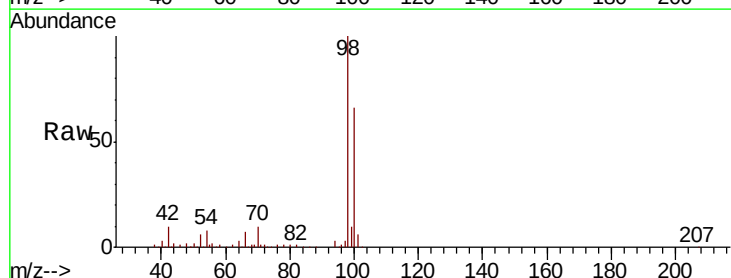
Instrument :
MSVOA_W
ClientSampled :
BS-SOIL-3RE

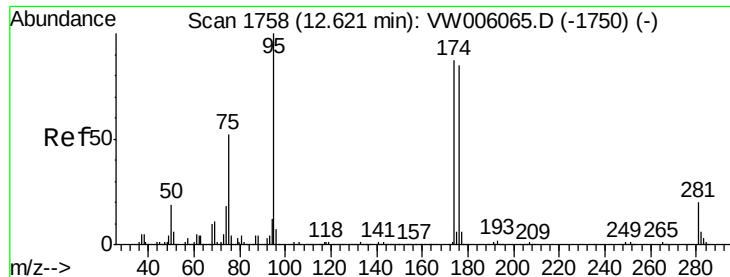
Tot Ion:117 Resp: 4410
Ion Ratio Lower Upper
117 100
119 2.9 75.2 112.8#
121 0.0 25.3 37.9#



#50
Toluene-d8
Concen: 47.339 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW006485.D
Acq: 30 Oct 2018 06:36

Tgt Ion: 98 Resp: 75908
Ion Ratio Lower Upper
98 100
100 64.4 51.6 77.4





#62

4-Bromofluorobenzene

Concen: 41.509 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006485.D

Acq: 30 Oct 2018 06:36

Instrument :

MSVOA_W

ClientSampleId :

BS-SOIL-3RE

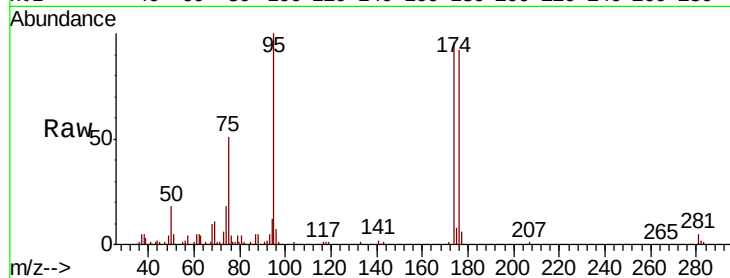
Tot Ion: 95 Resp: 24999

Ion Ratio Lower Upper

95 100

174 97.5 0.0 186.0

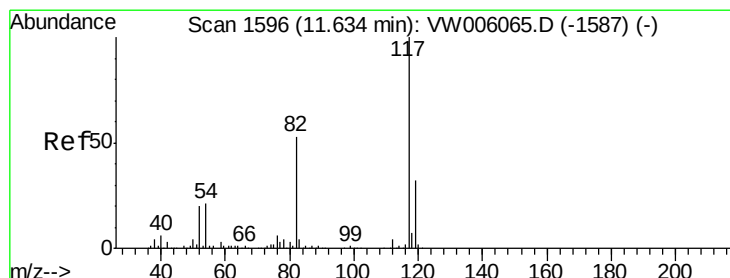
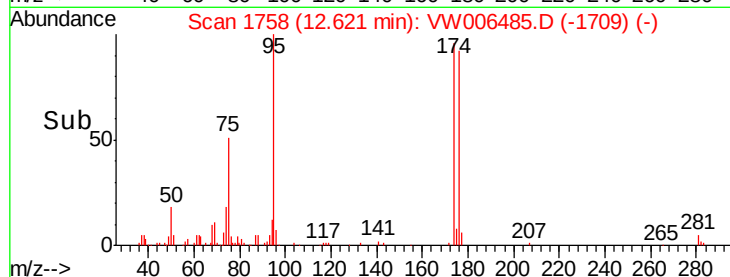
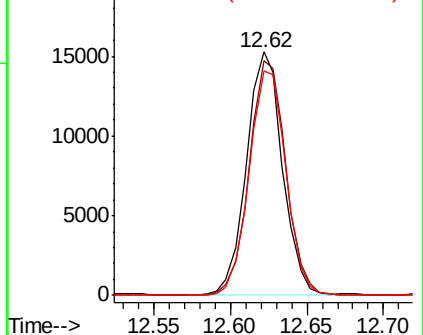
176 94.3 0.0 181.6



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: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW006485.D

Acq: 30 Oct 2018 06:36

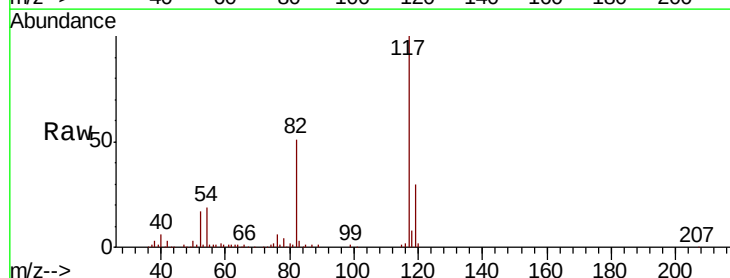
Tgt Ion: 117 Resp: 61233

Ion Ratio Lower Upper

117 100

82 50.7 42.1 63.1

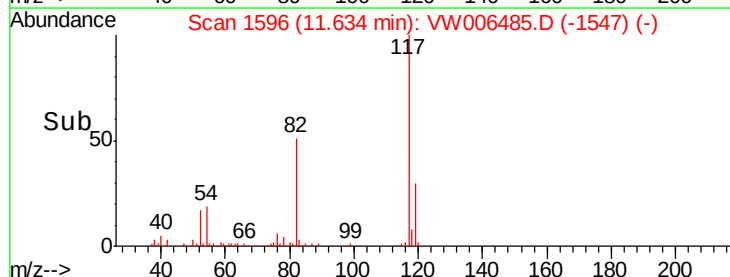
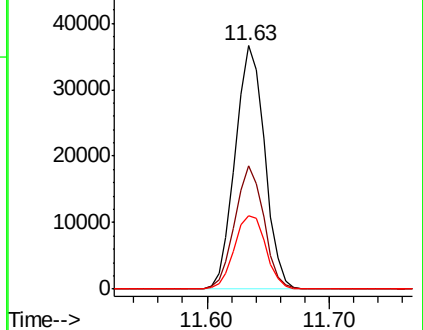
119 30.3 25.8 38.6

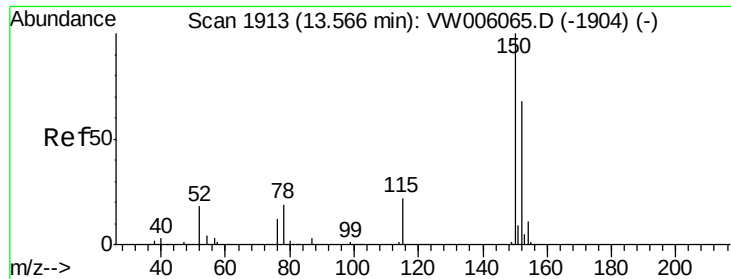


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.01 min

Lab File: VW006485.D

Acq: 30 Oct 2018 06:36

Instrument :

MSVOA_W

ClientSampleId :

BS-SOIL-3RE

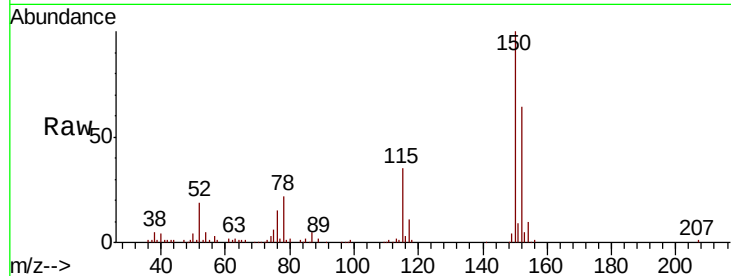
Tot Ion:152 Resp: 28085

Ion Ratio Lower Upper

152 100

115 54.3 27.8 83.3

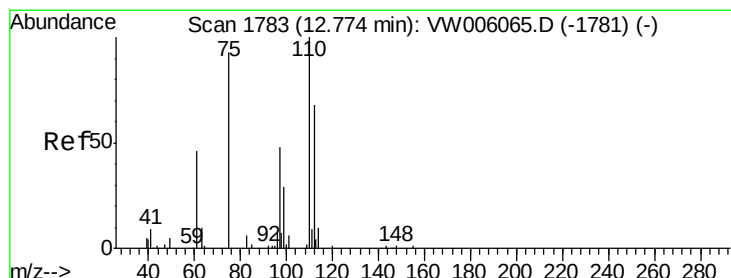
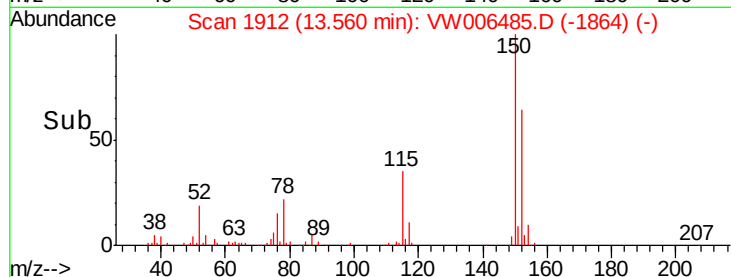
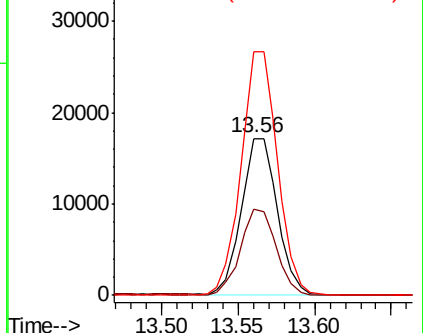
150 156.2 0.0 349.2



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



#76

1,2,3-Trichloropropane

Concen: 58.859 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006485.D

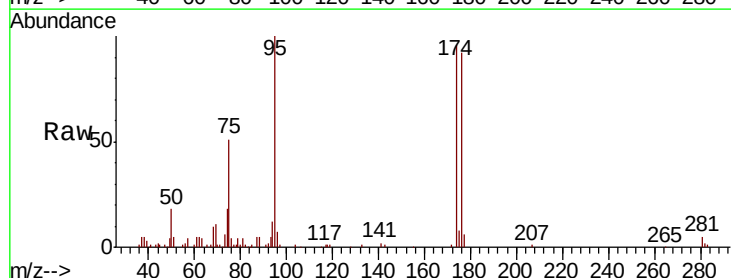
Acq: 30 Oct 2018 06:36

Tgt Ion: 75 Resp: 12626

Ion Ratio Lower Upper

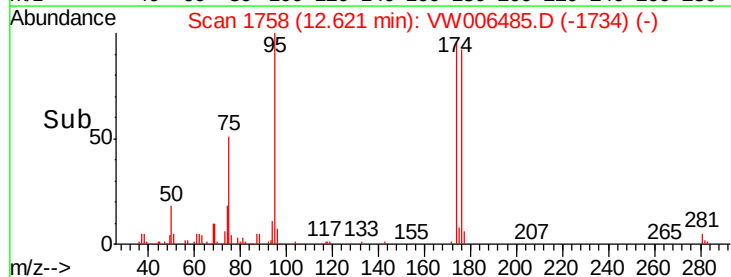
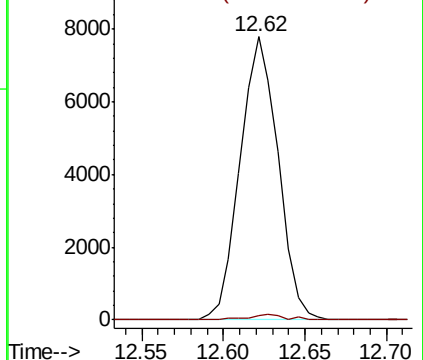
75 100

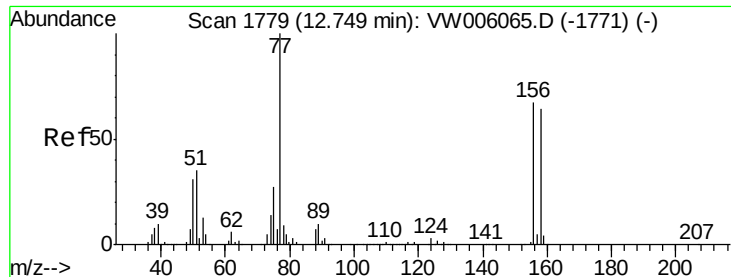
77 1.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 8.463 ug/l

RT: 12.93 min Scan# 1809

Delta R.T. 0.18 min

Lab File: VW006485.D

Acq: 30 Oct 2018 06:36

Instrument :

MSVOA_W

ClientSampled :

BS-SOIL-3RE

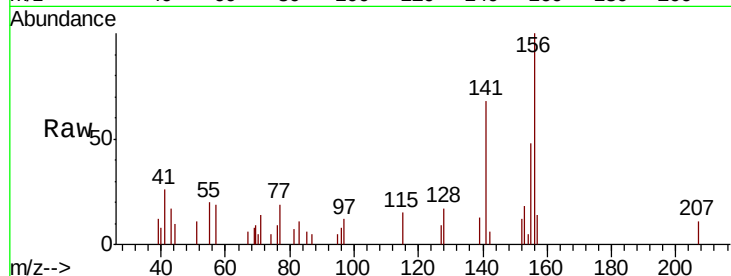
Tot Ion:156 Resp: 4113

Ion Ratio Lower Upper

156 100

77 3.0 79.1 237.4#

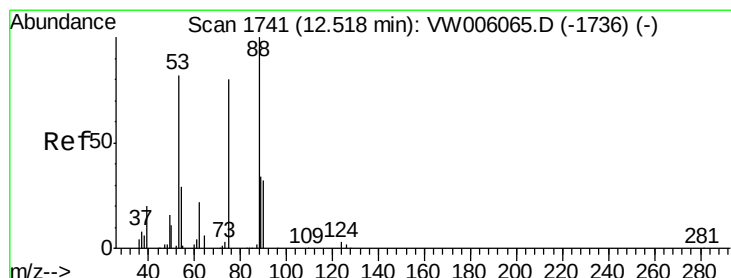
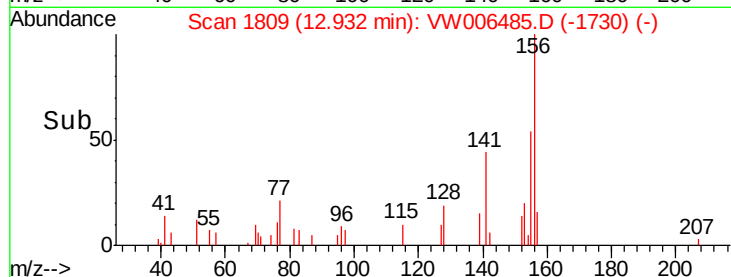
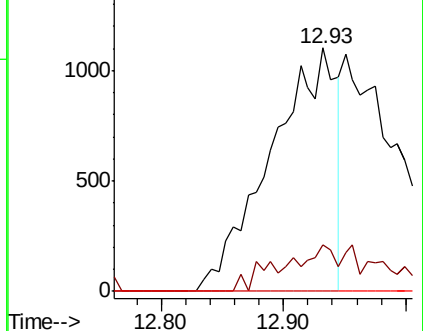
158 0.0 48.5 145.6#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 140.695 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006485.D

Acq: 30 Oct 2018 06:36

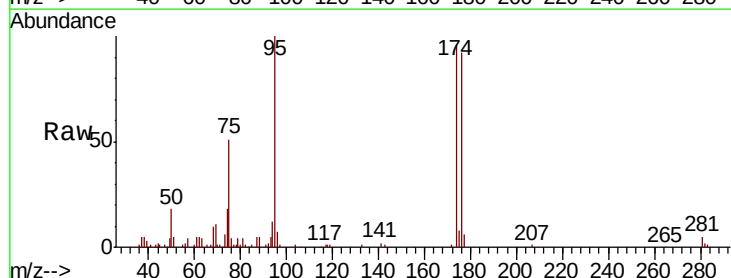
Tgt Ion: 75 Resp: 12626

Ion Ratio Lower Upper

75 100

53 0.0 79.8 119.6#

89 0.0 37.5 56.3#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

