

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070918\
 Data File : VW003786.D
 Acq On : 09 Jul 2018 19:02
 Operator : SY/AP
 Sample : J3893-01
 Misc : 7.06G/5ML/MSVOA W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BS-S-7-SOIL

Quant Time: Jul 10 01:56:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 07 05:07:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	69825	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	113975	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	108804	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	45828	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	159869	175.08	ug/l	0.00
Spiked Amount			Recovery	=	350.16%	
35) Dibromofluoromethane	7.88	113	138292	173.36	ug/l	0.00
Spiked Amount			Recovery	=	346.72%	
50) Toluene-d8	10.33	98	429952	140.91	ug/l	0.00
Spiked Amount			Recovery	=	281.82%	
62) 4-Bromofluorobenzene	12.62	95	143247	129.75	ug/l	0.00
Spiked Amount			Recovery	=	259.50%	

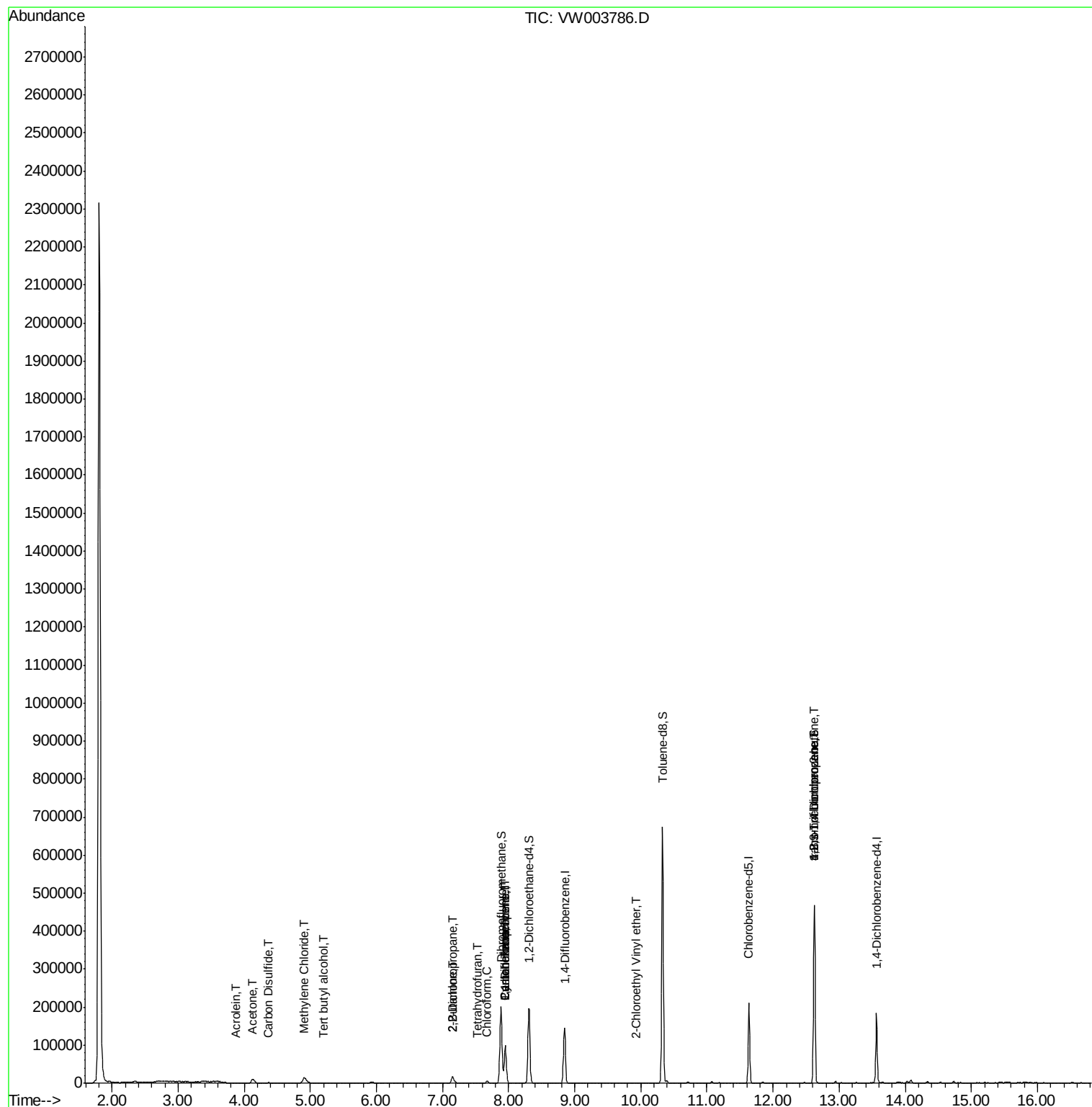
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	187	3.779	ug/l	100
13) Acrolein	3.89	56	87	5.779	ug/l #	70
16) Acetone	4.13	43	18338	115.753	ug/l	96
17) Carbon Disulfide	4.37	76	2474	1.150	ug/l #	80
20) Methylene Chloride	4.91	84	11327	11.275	ug/l	91
25) 2-Butanone	7.15	43	1022	4.119	ug/l #	51
26) 2,2-Dichloropropane	7.15	77	1050	1.277	ug/l #	53
29) Tetrahydrofuran	7.53	42	194	1.216	ug/l #	45
30) Chloroform	7.67	83	3702	2.393	ug/l	90
31) Cyclohexane	7.95	56	2042	1.532	ug/l #	13
36) 1,1-Dichloropropene	7.95	75	6423	5.311	ug/l #	42
38) Carbon Tetrachloride	7.95	117	7019	6.104	ug/l #	19
58) 2-Chloroethyl Vinyl ether	9.93	63	23	13.219	ug/l #	49
76) 1,2,3-Trichloropropane	12.62	75	78716	174.915	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	78716	427.885	ug/l #	8

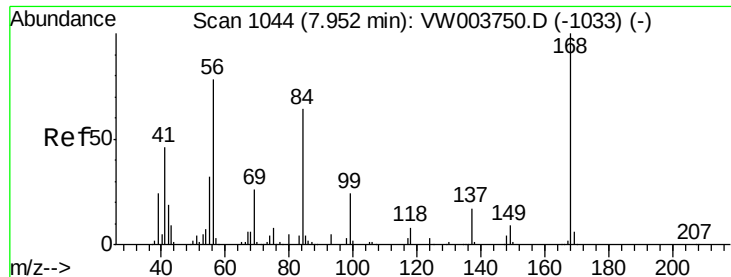
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Jul 07 05:07:25 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW003786.D

Acq: 09 Jul 2018 19:02

Instrument :

MSVOA_W

ClientSampleId :

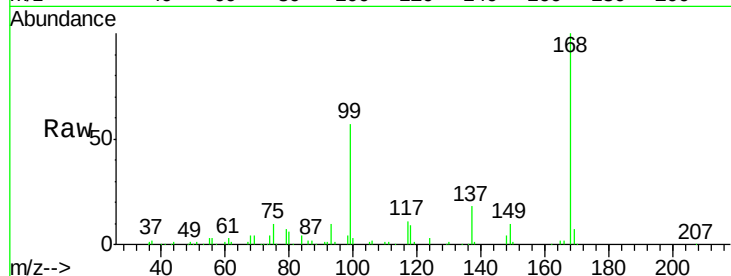
BS-S-7-SOIL

Tot Ion:168 Resp: 69825

Ion Ratio Lower Upper

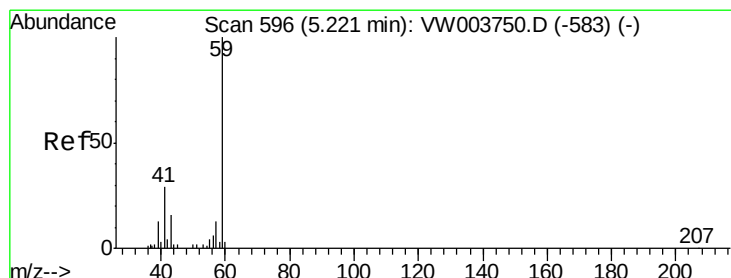
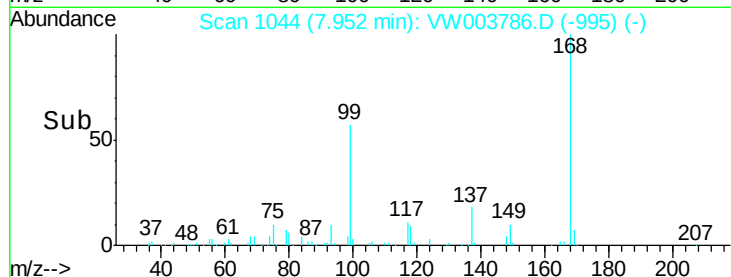
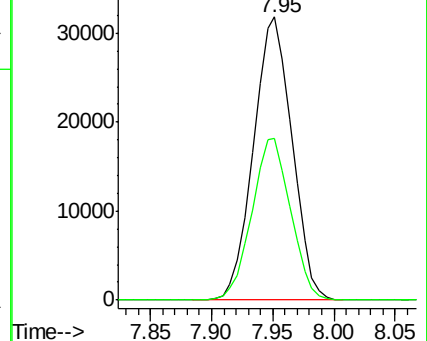
168 100

99 57.1 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 3.779 ug/l

RT: 5.20 min Scan# 592

Delta R.T. -0.02 min

Lab File: VW003786.D

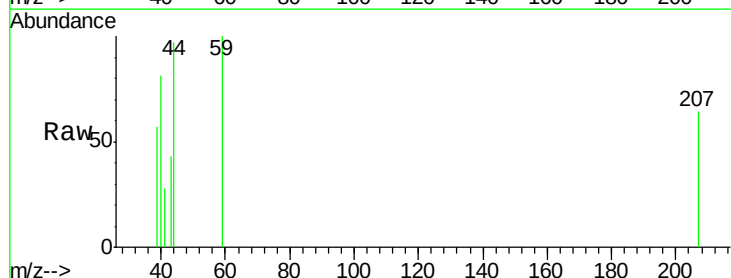
Acq: 09 Jul 2018 19:02

Tgt Ion: 59 Resp: 187

Ion Ratio Lower Upper

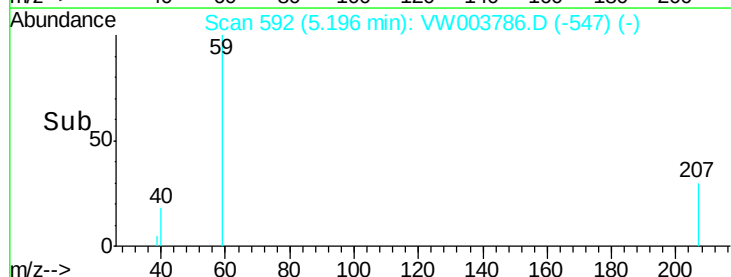
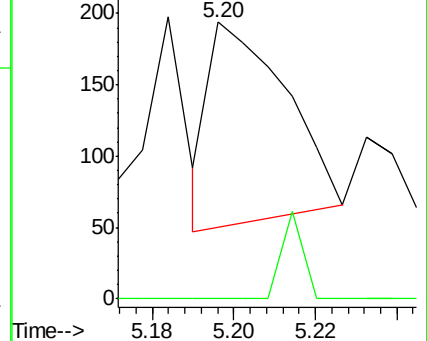
59 100

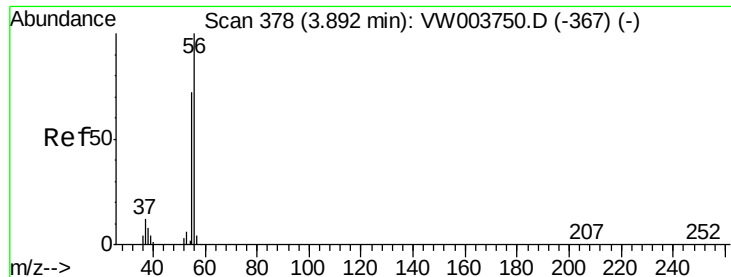
57 11.8 9.3 13.9



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 5.779 ug/l

RT: 3.89 min Scan# 377

Delta R.T. -0.01 min

Lab File: VW003786.D

Acq: 09 Jul 2018 19:02

Instrument :

MSVOA_W

ClientSampleId :

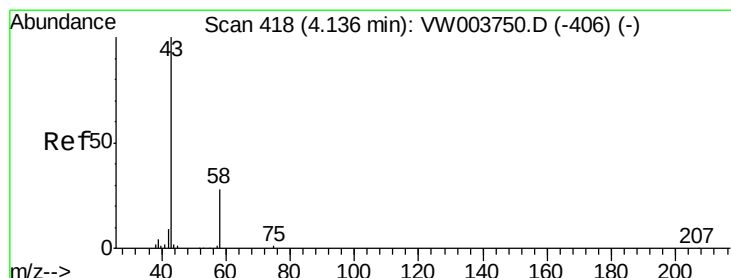
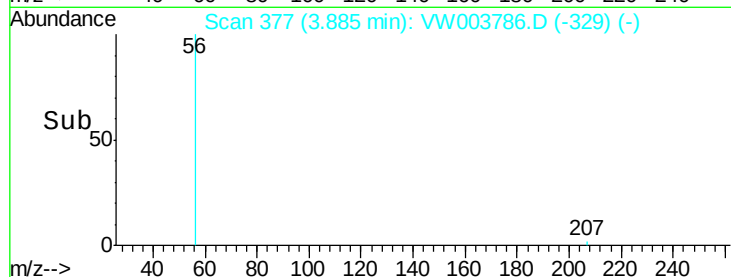
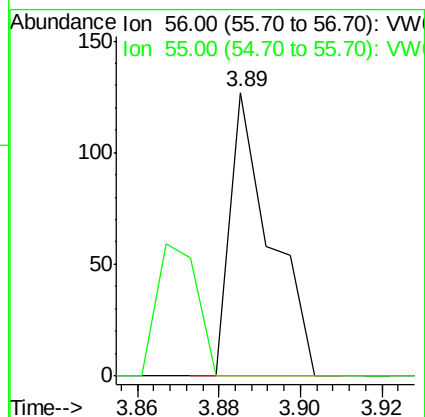
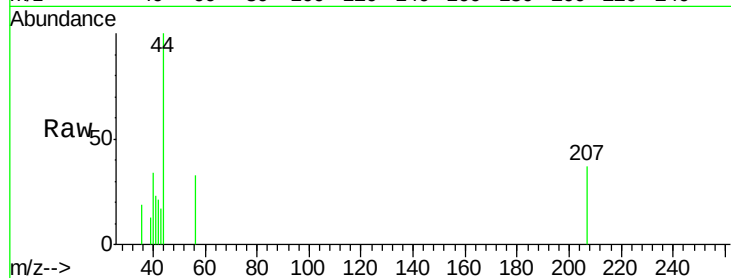
BS-S-7-SOIL

Tot Ion: 56 Resp: 87

Ion Ratio Lower Upper

56 100

55 47.1 57.5 86.3#



#16

Acetone

Concen: 115.753 ug/l

RT: 4.13 min Scan# 417

Delta R.T. -0.01 min

Lab File: VW003786.D

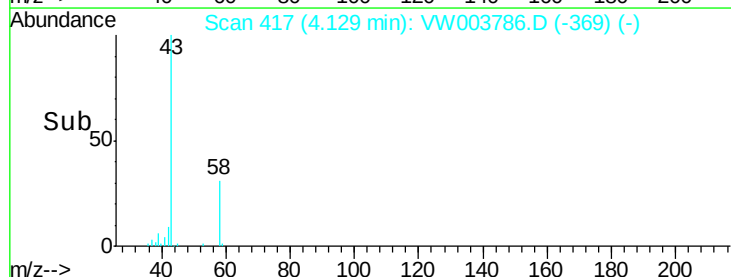
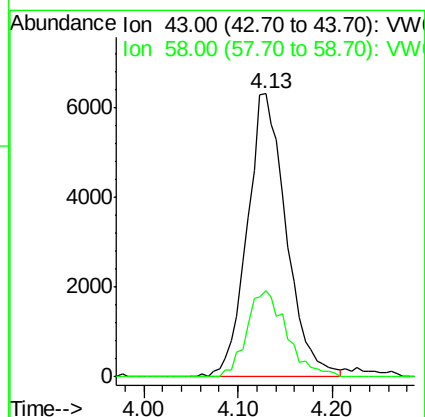
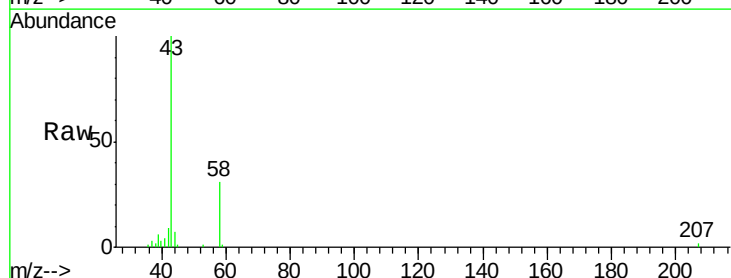
Acq: 09 Jul 2018 19:02

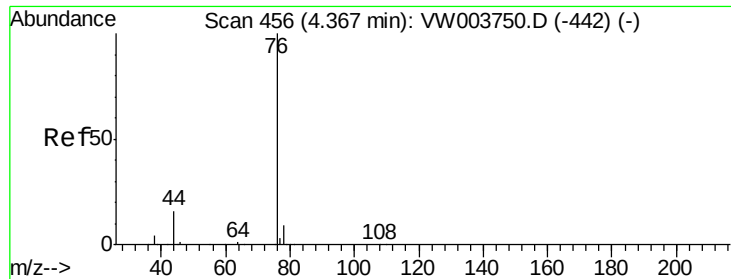
Tgt Ion: 43 Resp: 18338

Ion Ratio Lower Upper

43 100

58 30.6 22.6 34.0

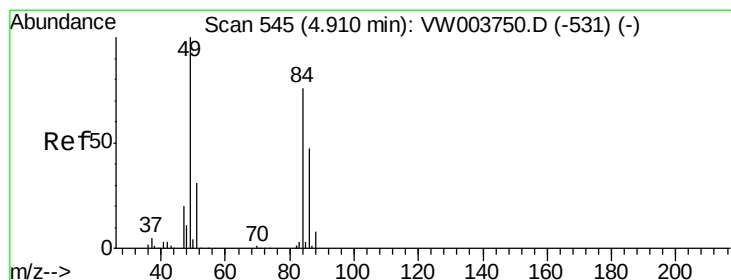
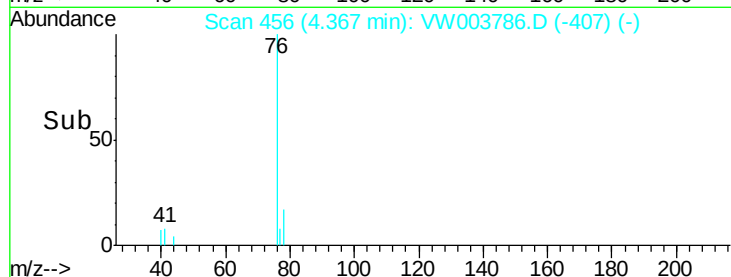
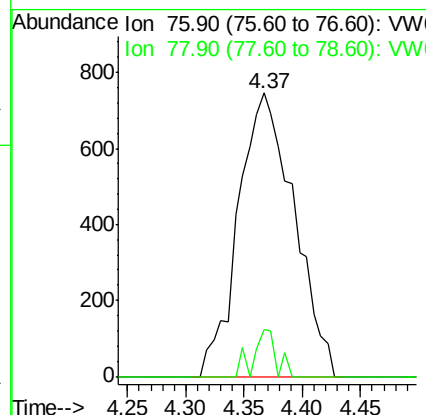
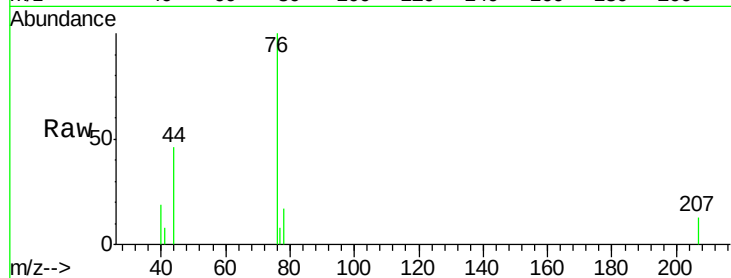




#17
Carbon Disulfide
Concen: 1.150 ug/l
RT: 4.37 min Scan# 456
Delta R.T. -0.00 min
Lab File: VW003786.D
Acq: 09 Jul 2018 19:02

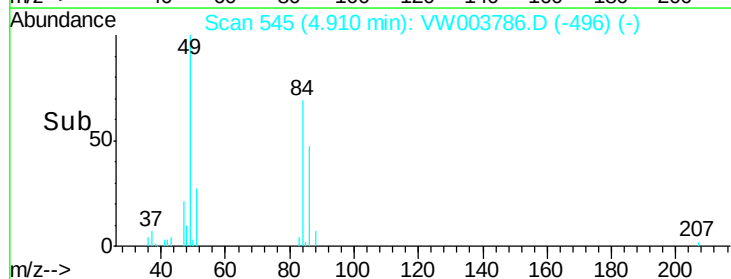
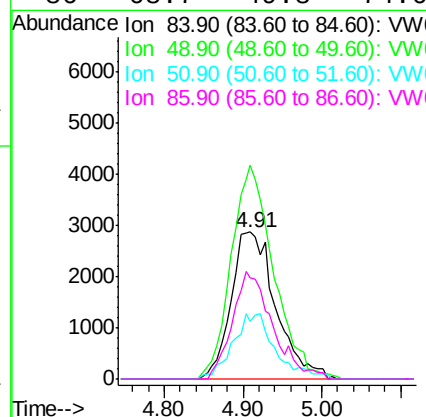
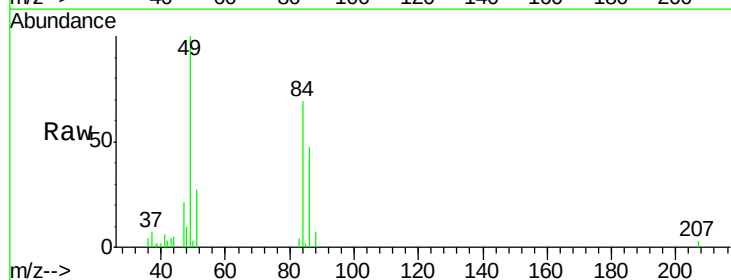
Instrument :
MSVOA_W
ClientSampleId :
BS-S-7-SOIL

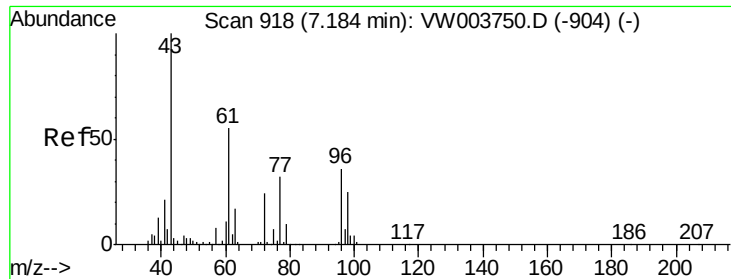
Tot Ion: 76 Resp: 2474
Ion Ratio Lower Upper
76 100
78 16.6 7.4 11.2#



#20
Methylene Chloride
Concen: 11.275 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003786.D
Acq: 09 Jul 2018 19:02

Tgt Ion: 84 Resp: 11327
Ion Ratio Lower Upper
84 100
49 145.5 105.1 157.7
51 39.4 32.5 48.7
86 68.7 49.8 74.6





#25

2-Butanone

Concen: 4.119 ug/l

RT: 7.15 min Scan# 912

Delta R.T. -0.04 min

Lab File: VW003786.D

Acq: 09 Jul 2018 19:02

Instrument :

MSVOA_W

ClientSampleId :

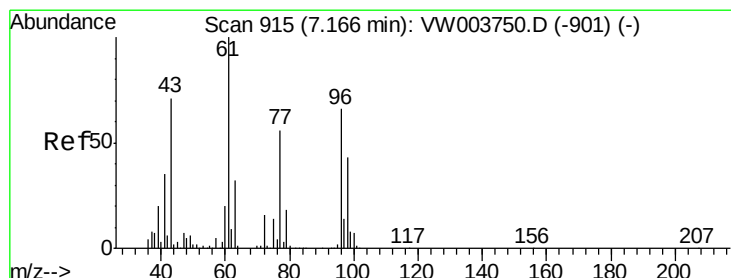
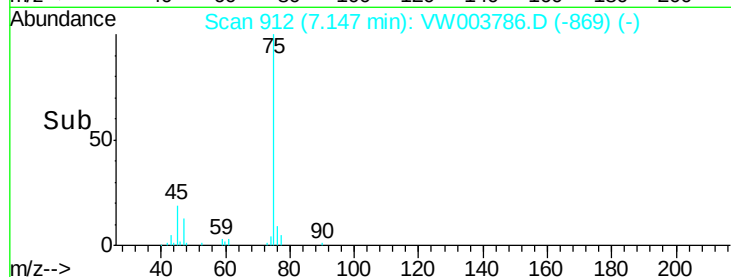
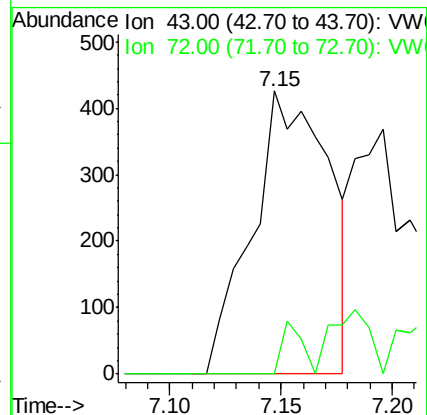
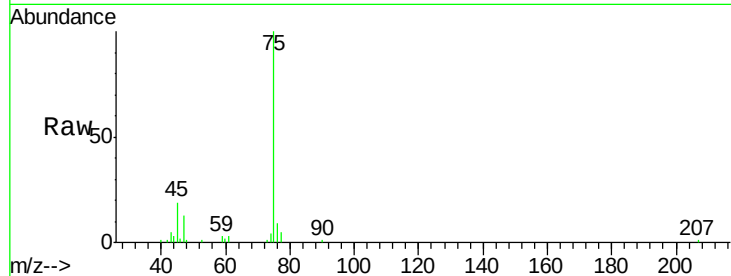
BS-S-7-SOIL

Tot Ion: 43 Resp: 1022

Ion Ratio Lower Upper

43 100

72 0.0 19.4 29.2#



#26

2,2-Dichloropropane

Concen: 1.277 ug/l

RT: 7.15 min Scan# 912

Delta R.T. -0.02 min

Lab File: VW003786.D

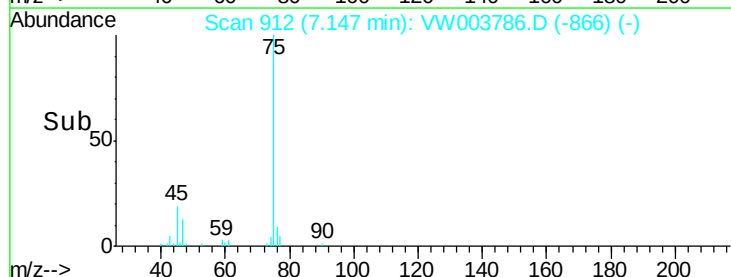
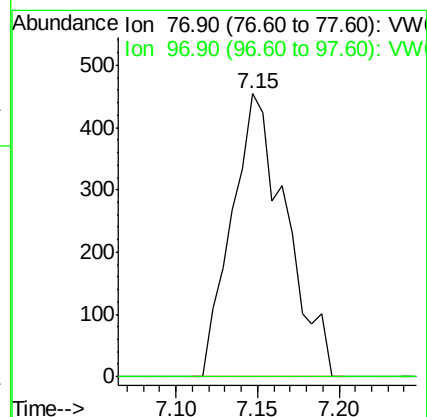
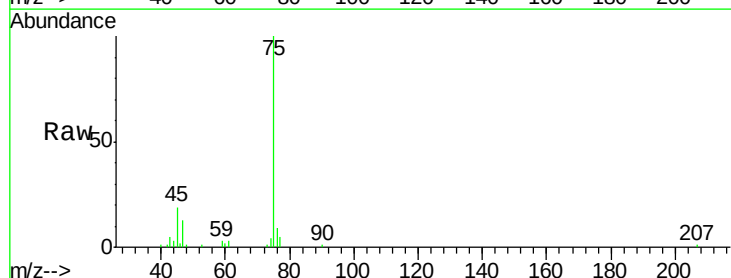
Acq: 09 Jul 2018 19:02

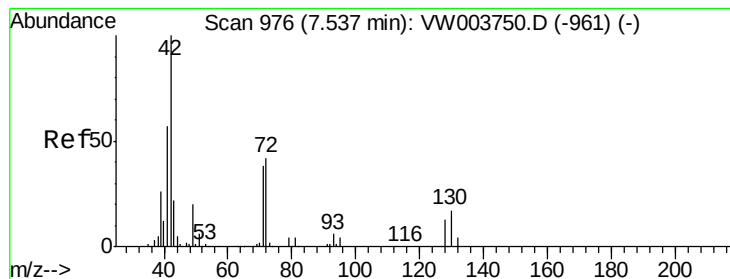
Tgt Ion: 77 Resp: 1050

Ion Ratio Lower Upper

77 100

97 0.0 11.5 34.5#





#29

Tetrahydrofuran

Concen: 1.216 ug/l

RT: 7.53 min Scan# 975

Delta R.T. -0.01 min

Lab File: VW003786.D

Acq: 09 Jul 2018 19:02

Instrument :

MSVOA_W

ClientSampled :

BS-S-7-SOIL

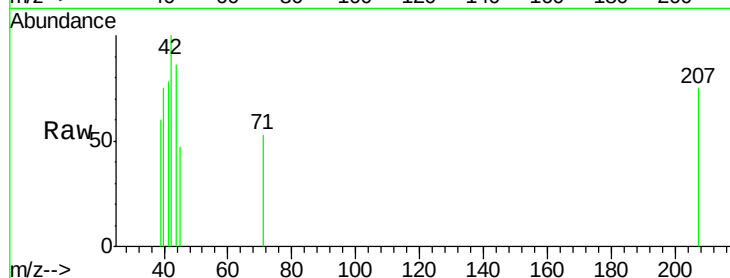
Tot Ion: 42 Resp: 194

Ion Ratio Lower Upper

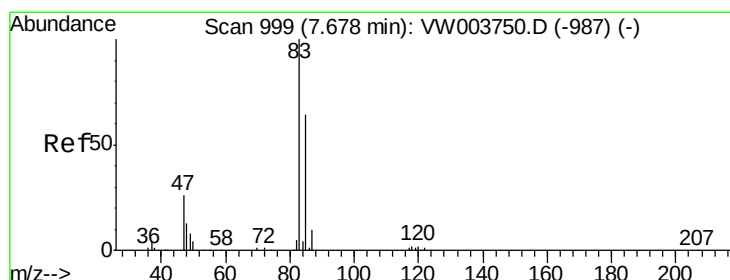
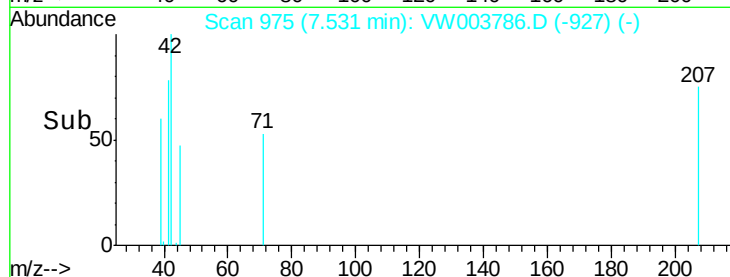
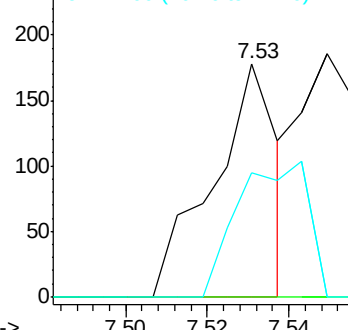
42 100

72 0.0 31.8 47.8#

71 64.4 30.3 45.5#



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 2.393 ug/l

RT: 7.67 min Scan# 998

Delta R.T. -0.01 min

Lab File: VW003786.D

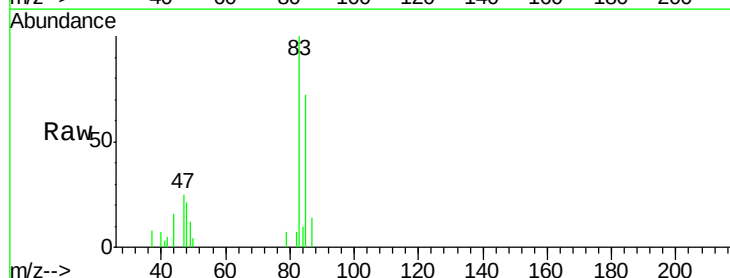
Acq: 09 Jul 2018 19:02

Tgt Ion: 83 Resp: 3702

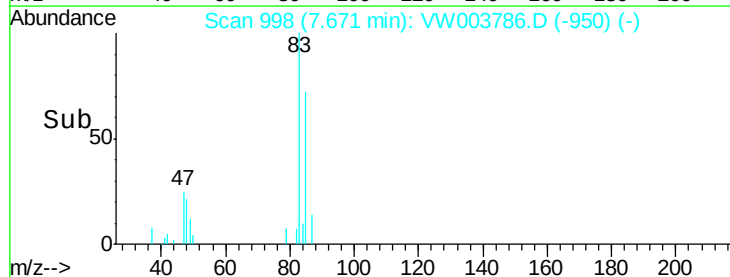
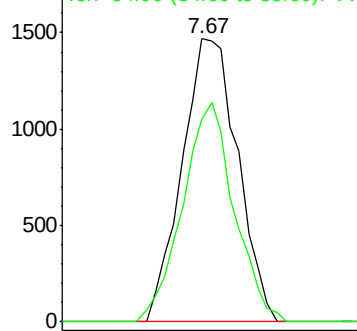
Ion Ratio Lower Upper

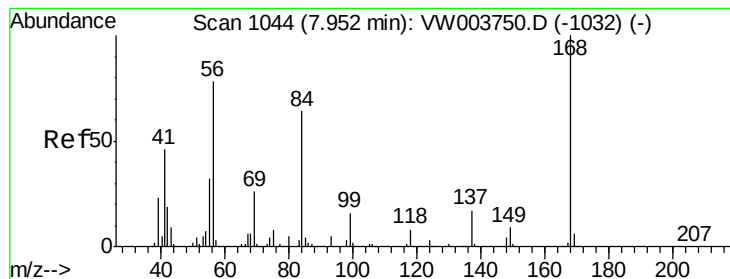
83 100

85 71.9 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 1.532 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW003786.D

Acq: 09 Jul 2018 19:02

Instrument :

MSVOA_W

ClientSampleId :

BS-S-7-SOIL

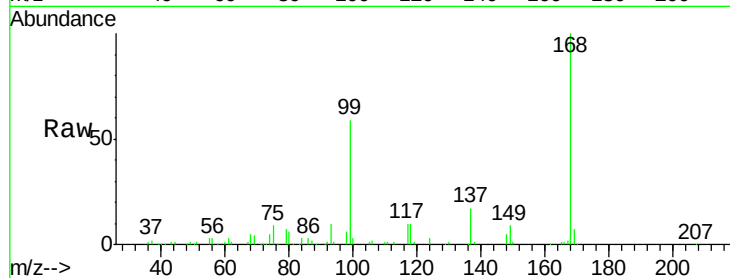
Tot Ion: 56 Resp: 2042

Ion Ratio Lower Upper

56 100

69 150.3 26.2 39.4#

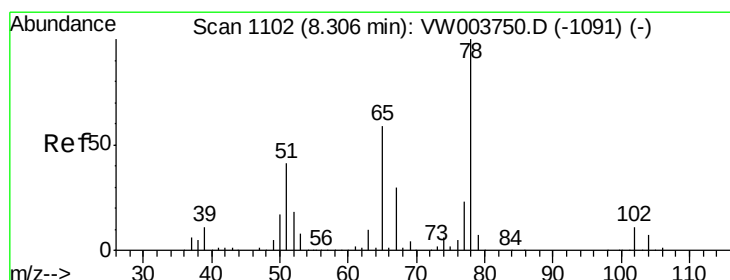
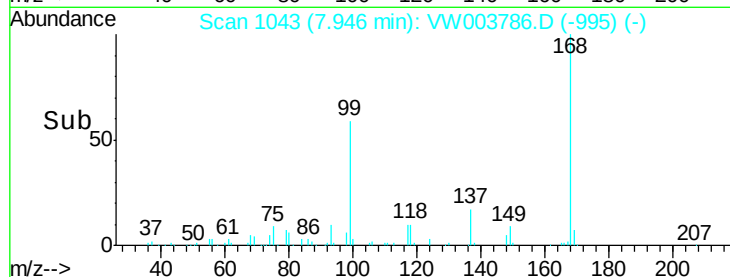
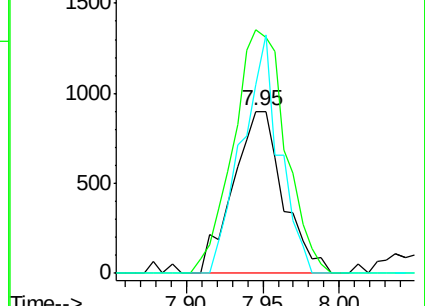
84 116.7 65.5 98.3#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 175.080 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VW003786.D

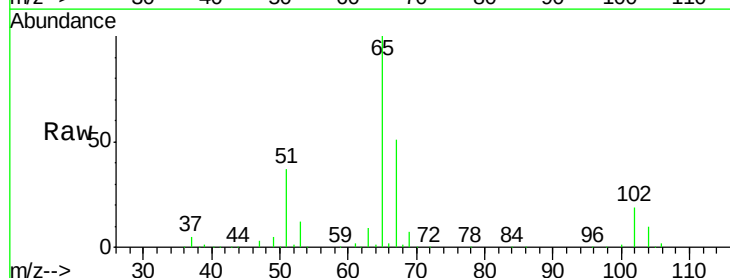
Acq: 09 Jul 2018 19:02

Tgt Ion: 65 Resp: 159869

Ion Ratio Lower Upper

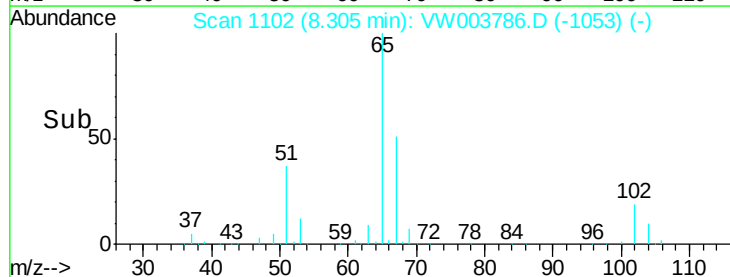
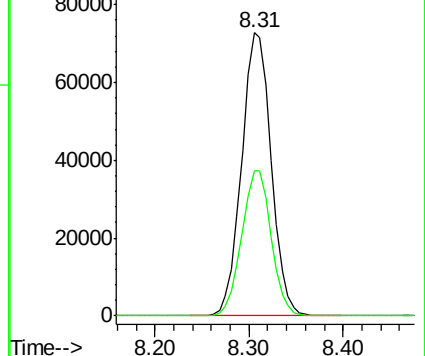
65 100

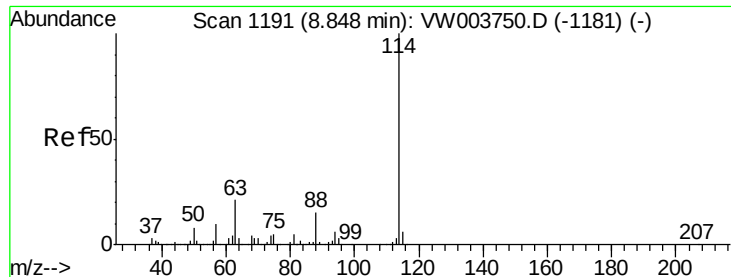
67 51.1 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VW003786.D

Acq: 09 Jul 2018 19:02

Instrument :

MSVOA_W

ClientSampleId :

BS-S-7-SOIL

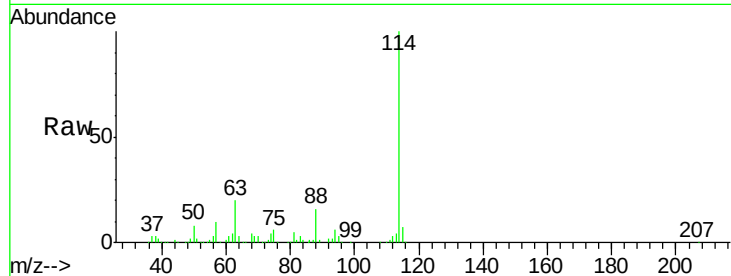
Tot Ion:114 Resp: 113975

Ion Ratio Lower Upper

114 100

63 20.1 0.0 41.8

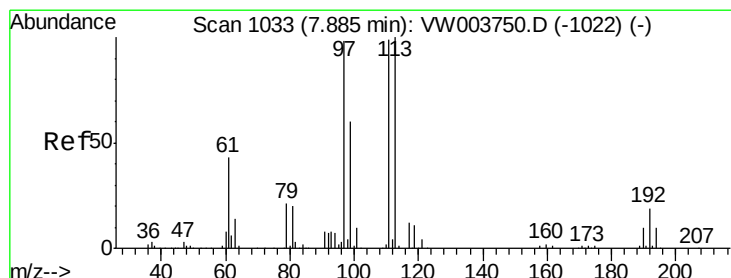
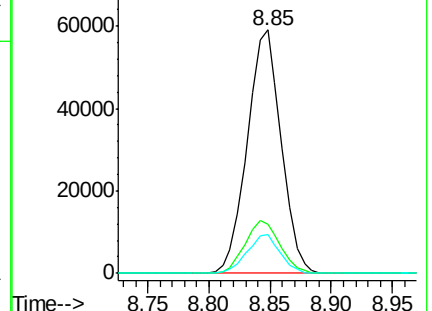
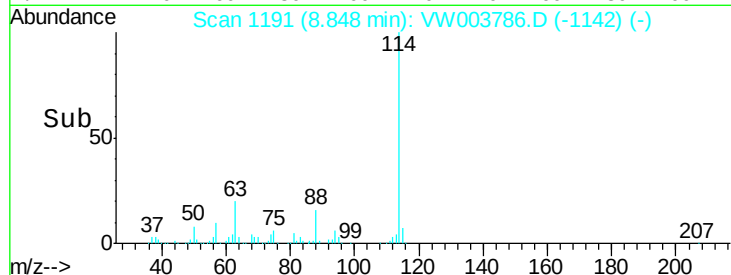
88 16.0 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 173.365 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VW003786.D

Acq: 09 Jul 2018 19:02

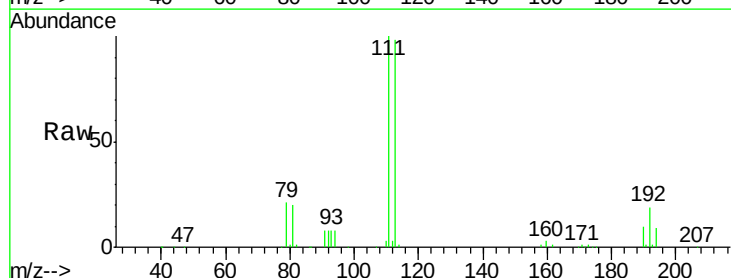
Tgt Ion:113 Resp: 138292

Ion Ratio Lower Upper

113 100

111 102.4 81.7 122.5

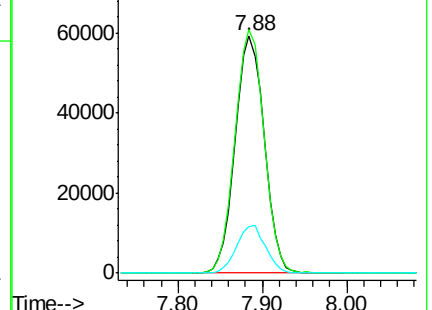
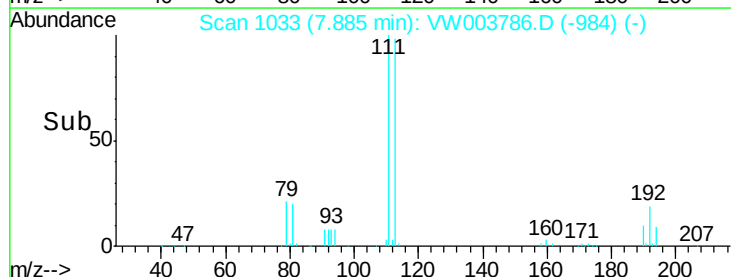
192 20.0 15.8 23.8

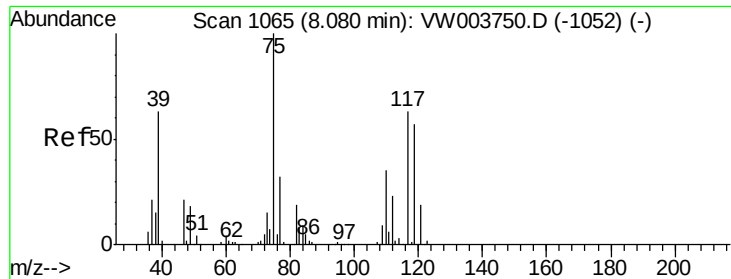


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.311 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW003786.D

Acq: 09 Jul 2018 19:02

Instrument :

MSVOA_W

ClientSampleId :

BS-S-7-SOIL

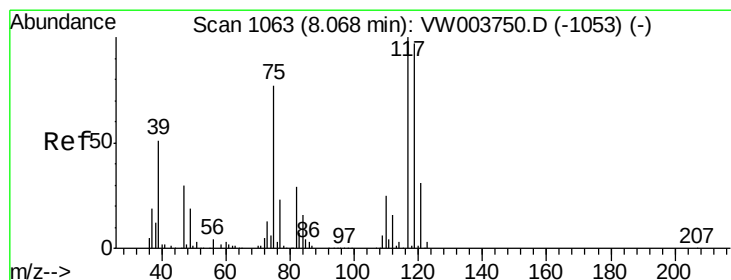
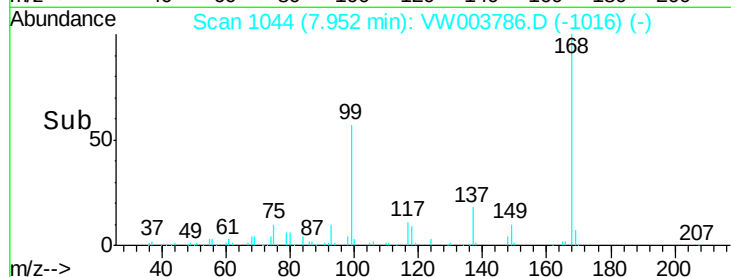
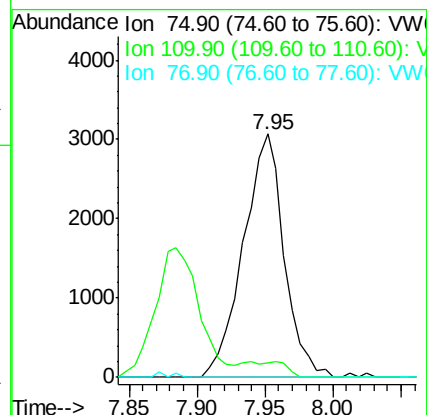
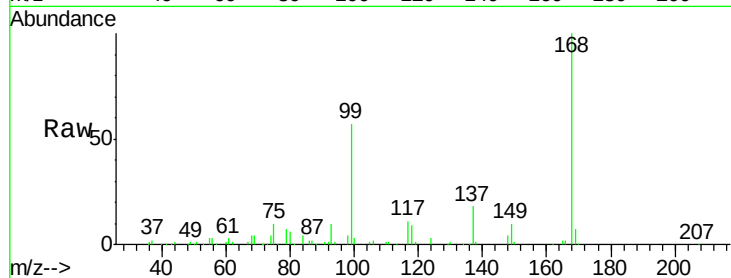
Tot Ion: 75 Resp: 6423

Ion Ratio Lower Upper

75 100

110 0.0 16.9 50.6#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.104 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW003786.D

Acq: 09 Jul 2018 19:02

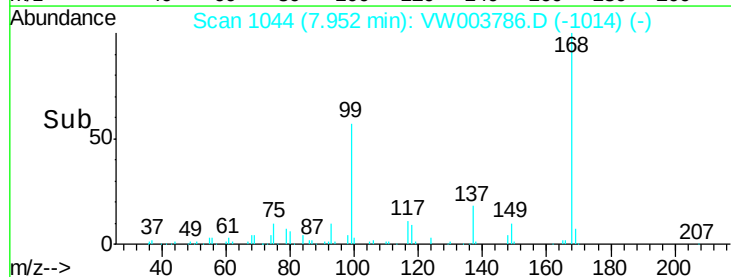
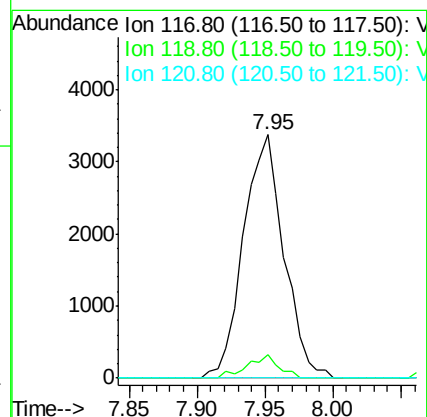
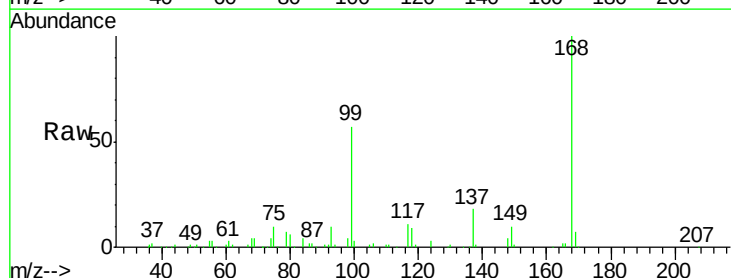
Tgt Ion: 117 Resp: 7019

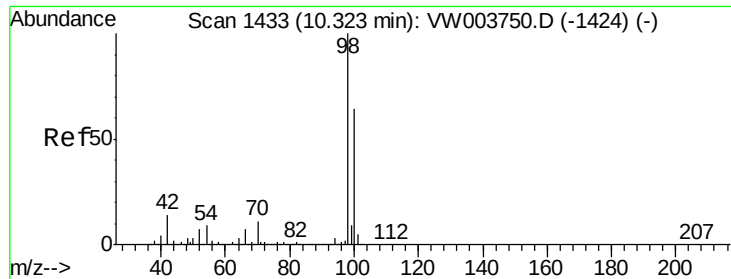
Ion Ratio Lower Upper

117 100

119 9.5 77.4 116.2#

121 0.0 24.6 37.0#





#50

Toluene-d8

Concen: 140.905 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VW003786.D

Acq: 09 Jul 2018 19:02

Instrument :

MSVOA_W

ClientSampled :

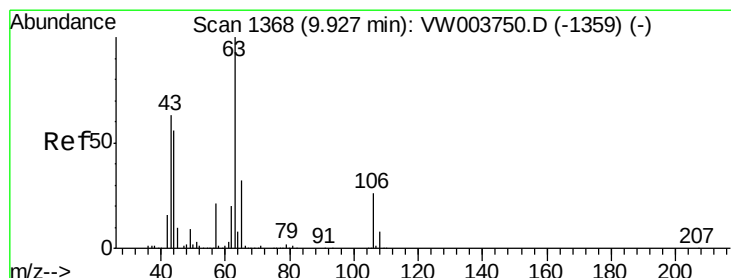
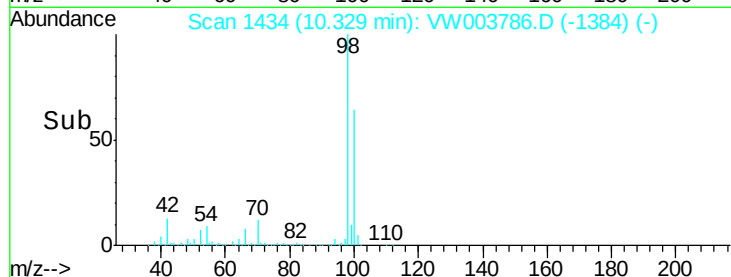
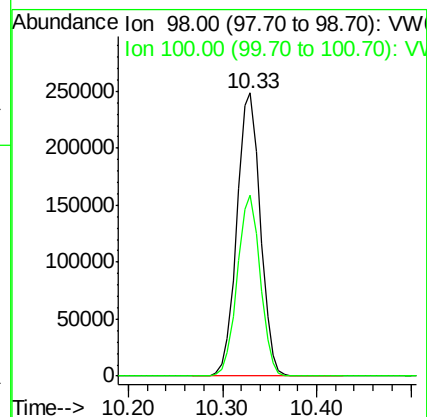
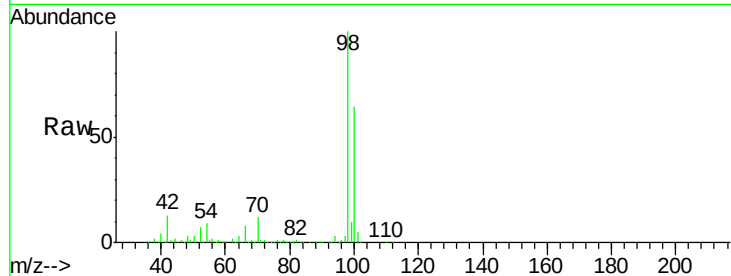
BS-S-7-SOIL

Tot Ion: 98 Resp: 429952

Ion Ratio Lower Upper

98 100

100 62.6 50.8 76.2



#58

2-Chloroethyl Vinyl ether

Concen: 13.219 ug/l

RT: 9.93 min Scan# 1369

Delta R.T. 0.01 min

Lab File: VW003786.D

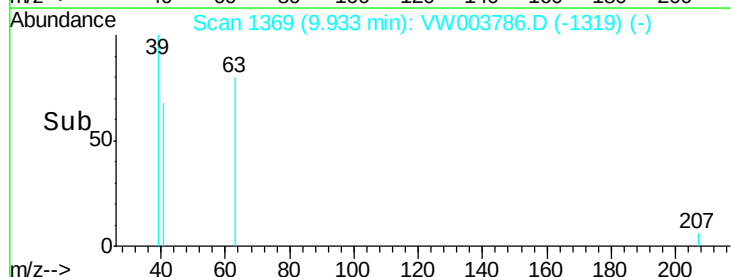
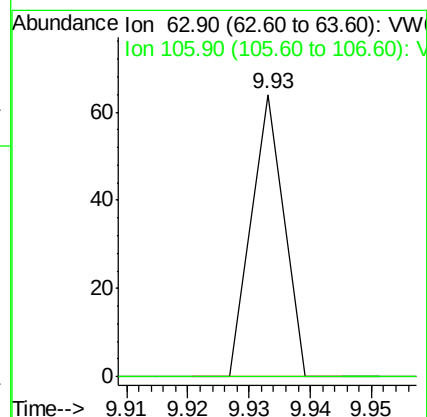
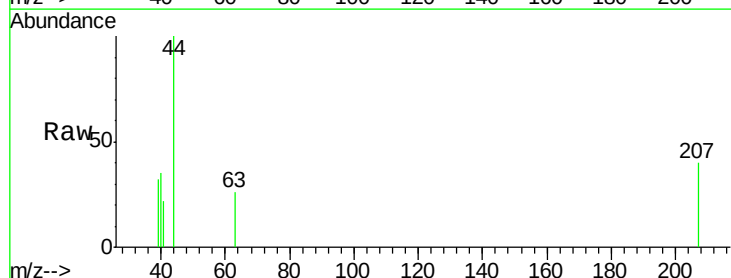
Acq: 09 Jul 2018 19:02

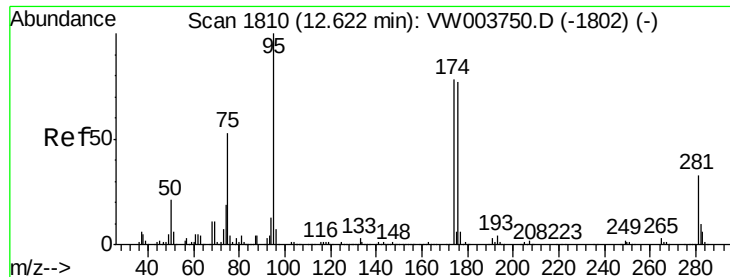
Tgt Ion: 63 Resp: 23

Ion Ratio Lower Upper

63 100

106 0.0 20.9 31.3#





#62

4-Bromofluorobenzene

Concen: 129.749 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW003786.D

Acq: 09 Jul 2018 19:02

Instrument :

MSVOA_W

ClientSampleId :

BS-S-7-SOIL

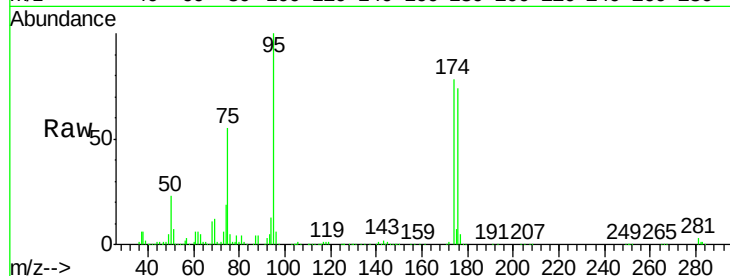
Tot Ion: 95 Resp: 143247

Ion Ratio Lower Upper

95 100

174 83.2 0.0 163.4

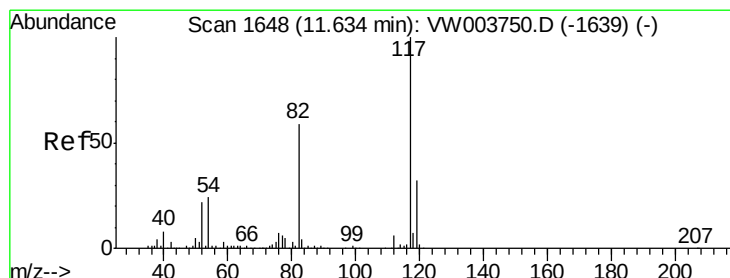
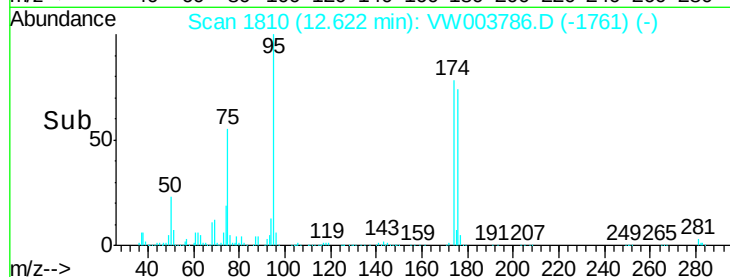
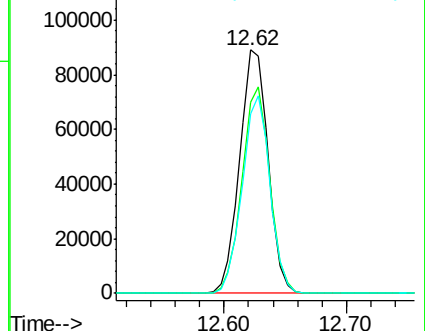
176 79.2 0.0 156.8



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# 1648

Delta R.T. -0.00 min

Lab File: VW003786.D

Acq: 09 Jul 2018 19:02

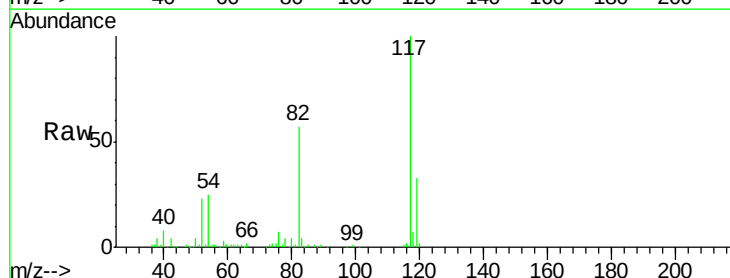
Tgt Ion: 117 Resp: 108804

Ion Ratio Lower Upper

117 100

82 57.5 46.9 70.3

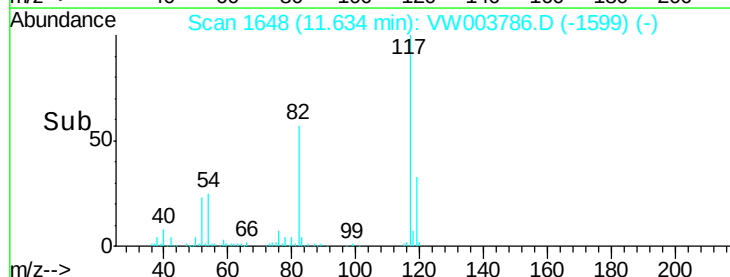
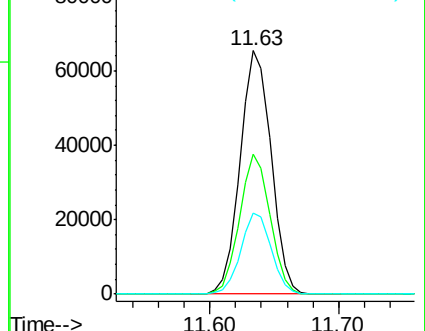
119 33.1 25.5 38.3

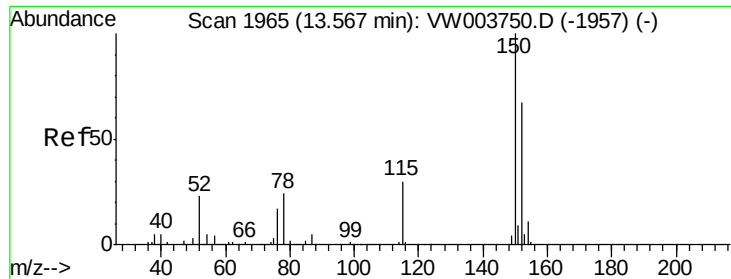


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



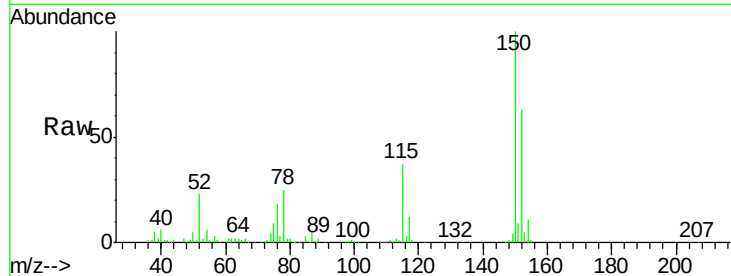


#72

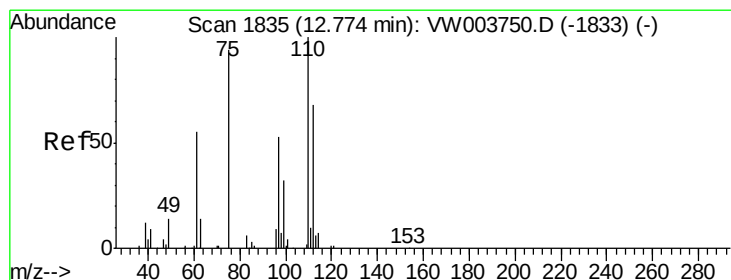
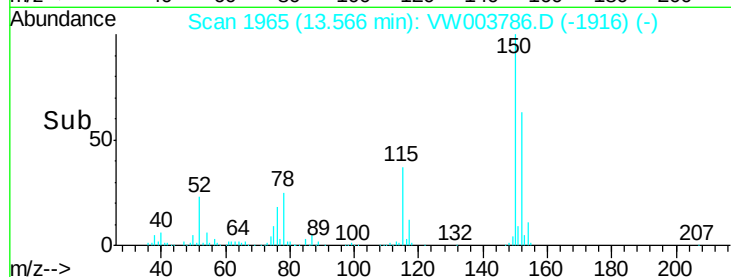
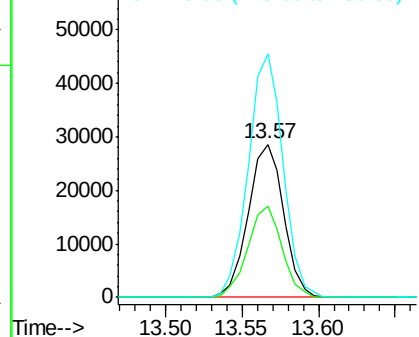
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW003786.D
Acq: 09 Jul 2018 19:02

Instrument :
MSVOA_W
ClientSampleId :
BS-S-7-SOIL

Tot Ion:152 Resp: 45828
Ion Ratio Lower Upper
152 100
115 57.8 28.9 86.8
150 156.4 0.0 342.4



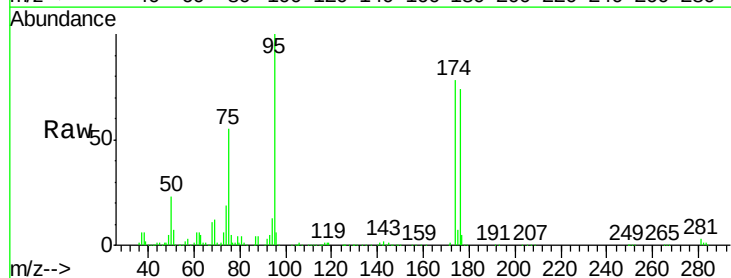
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



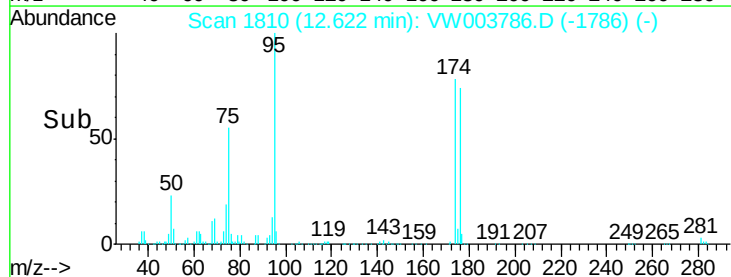
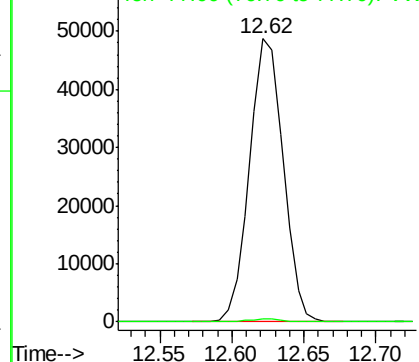
#76

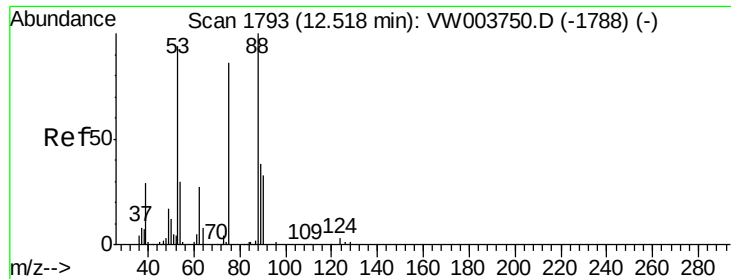
1,2,3-Trichloropropane
Concen: 174.915 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.15 min
Lab File: VW003786.D
Acq: 09 Jul 2018 19:02

Tgt Ion: 75 Resp: 78716
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 427.885 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003786.D

Acq: 09 Jul 2018 19:02

Instrument :

MSVOA_W

ClientSampleId :

BS-S-7-SOIL

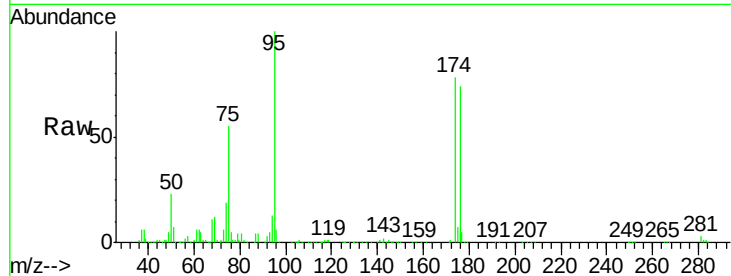
Tot Ion: 75 Resp: 78716

Ion Ratio Lower Upper

75 100

53 0.4 85.0 127.6#

89 0.2 36.3 54.5#



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

