

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101918\
 Data File : VW006236.D
 Acq On : 19 Oct 2018 20:04
 Operator : VA/AP
 Sample : J5606-01RE
 Misc : 3.39G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SOIL-PILERE

Quant Time: Oct 20 01:21:43 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	184801	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	263336	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	203608	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	77208	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	87445	57.08	ug/l	0.00
Spiked Amount			Recovery	=	114.16%	
35) Dibromofluoromethane	7.89	113	84087	54.04	ug/l	0.00
Spiked Amount			Recovery	=	108.08%	
50) Toluene-d8	10.33	98	294251	49.70	ug/l	0.00
Spiked Amount			Recovery	=	99.40%	
62) 4-Bromofluorobenzene	12.62	95	82313	37.02	ug/l	0.00
Spiked Amount			Recovery	=	74.04%	

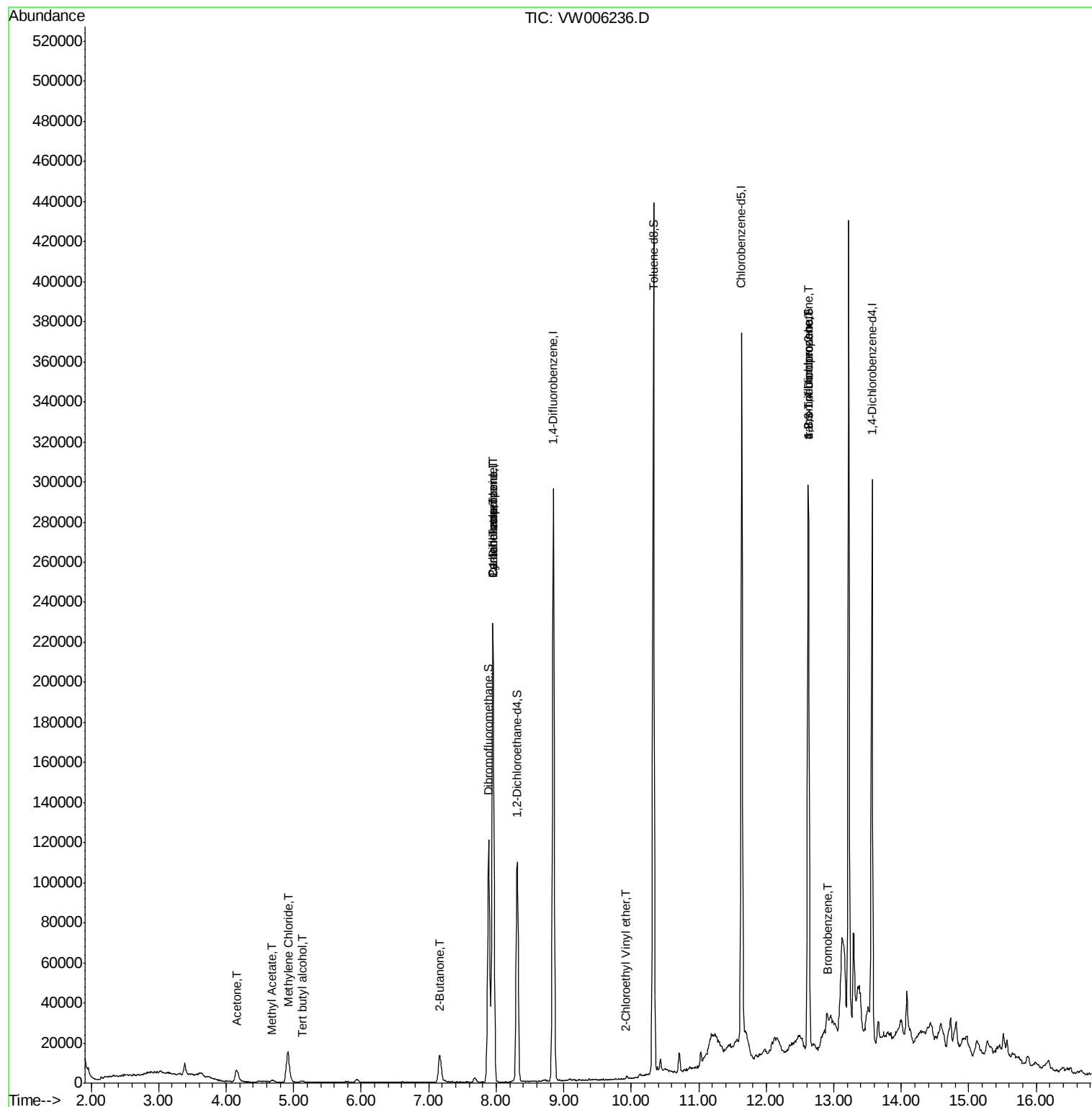
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	402	3.901	ug/l #	71
16) Acetone	4.16	43	13874	35.571	ug/l	94
18) Methyl Acetate	4.68	43	2136	2.770	ug/l	90
20) Methylene Chloride	4.91	84	12821	6.492	ug/l	98
25) 2-Butanone	7.17	43	737	1.781	ug/l #	46
31) Cyclohexane	7.95	56	3232	1.153	ug/l #	9
36) 1,1-Dichloropropene	7.95	75	12586	5.185	ug/l #	49
38) Carbon Tetrachloride	7.95	117	17355	6.522	ug/l #	17
58) 2-Chloroethyl Vinyl ether	9.93	63	629	1.057	ug/l	93
76) 1,2,3-Trichloropropane	12.62	75	42471	72.019	ug/l #	100
77) Bromobenzene	12.92	156	7153	5.354	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	42471	172.155	ug/l #	10

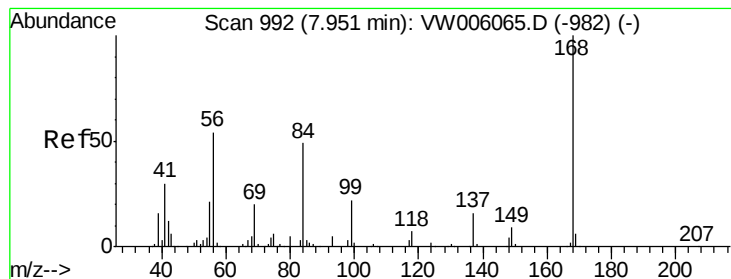
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
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Quant Time: Oct 20 01:21:43 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
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: VW006236.D

Acq: 19 Oct 2018 20:04

Instrument :

MSVOA_W

ClientSampleId :

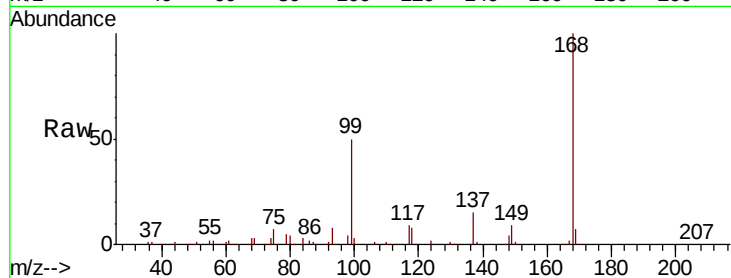
SOIL-PILERE

Tot Ion:168 Resp: 184801

Ion Ratio Lower Upper

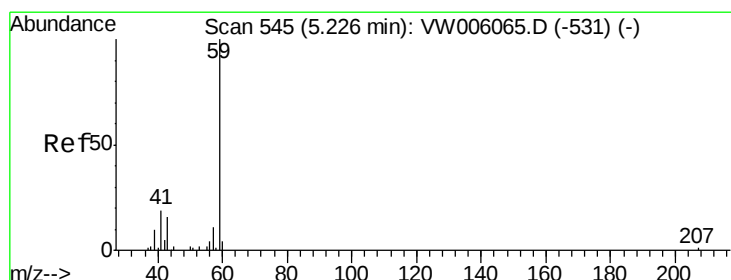
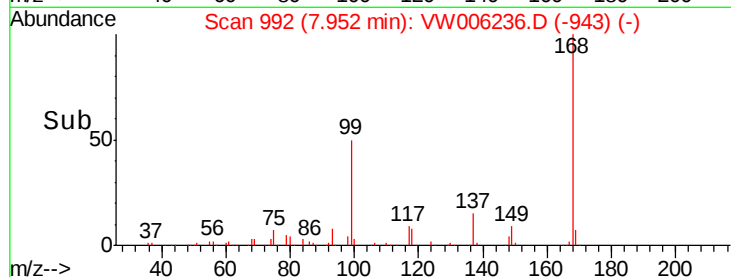
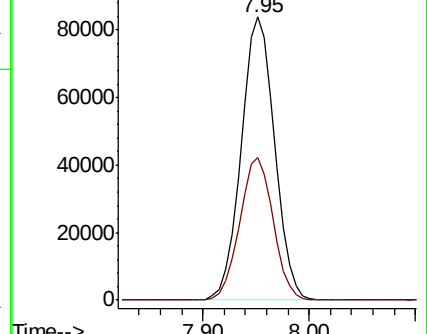
168 100

99 50.5 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 3.901 ug/l

RT: 5.12 min Scan# 528

Delta R.T. -0.10 min

Lab File: VW006236.D

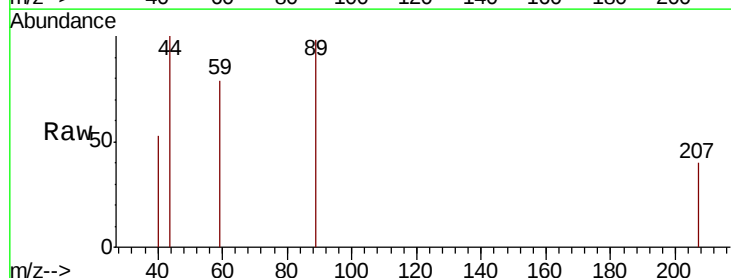
Acq: 19 Oct 2018 20:04

Tgt Ion: 59 Resp: 402

Ion Ratio Lower Upper

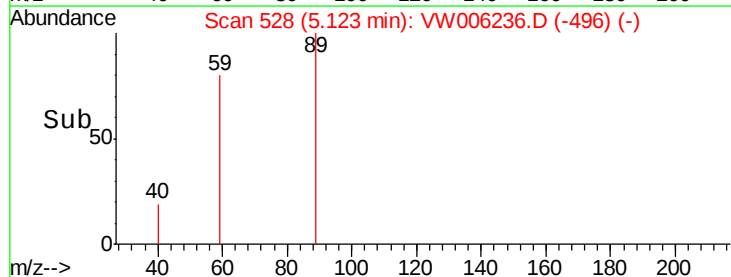
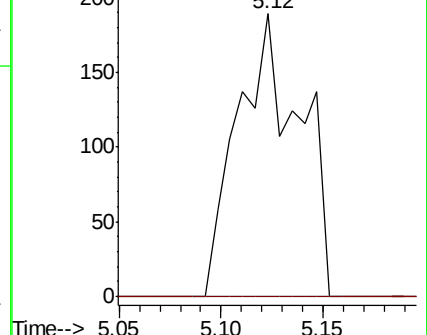
59 100

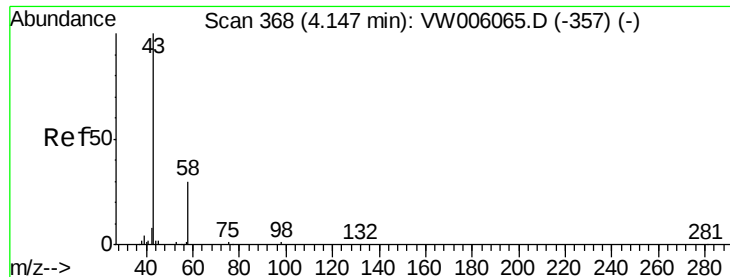
57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 35.571 ug/l

RT: 4.16 min Scan# 370

Delta R.T. 0.01 min

Lab File: VW006236.D

Acq: 19 Oct 2018 20:04

Instrument :

MSVOA_W

ClientSampleId :

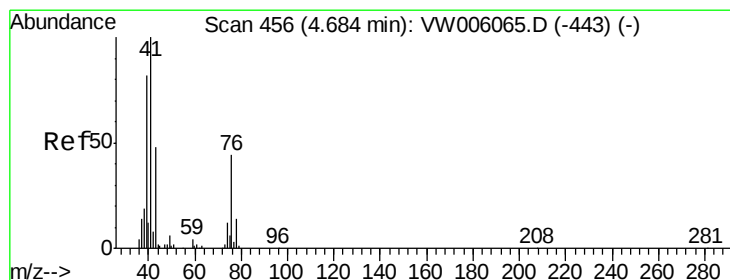
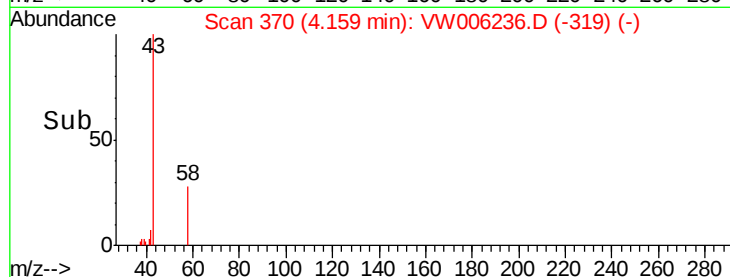
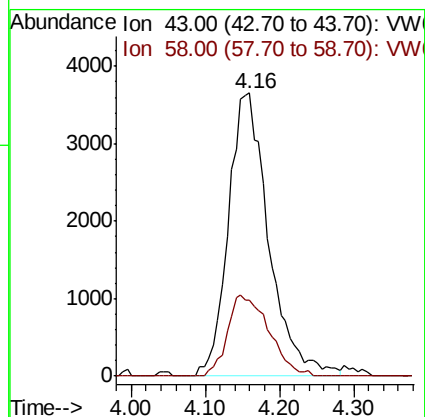
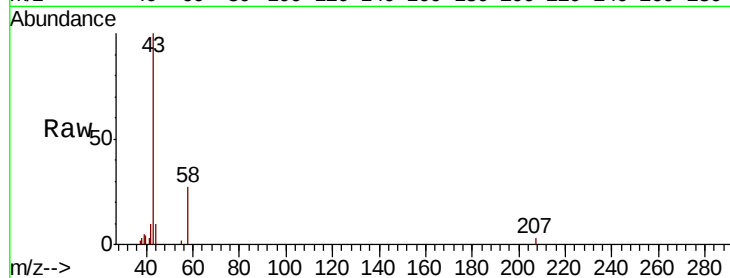
SOIL-PILERE

Tot Ion: 43 Resp: 13874

Ion Ratio Lower Upper

43 100

58 26.9 24.0 36.0



#18

Methyl Acetate

Concen: 2.770 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW006236.D

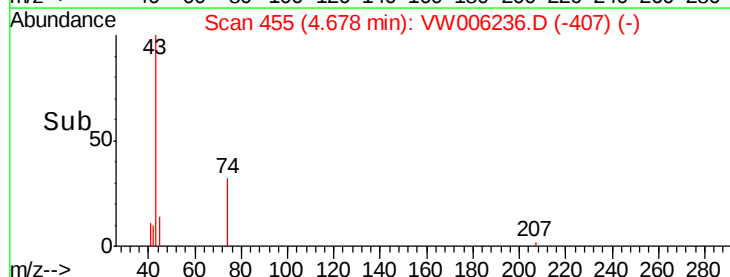
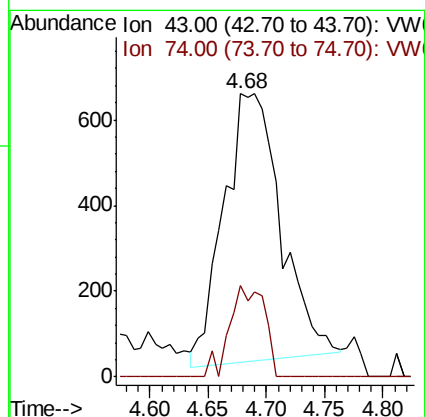
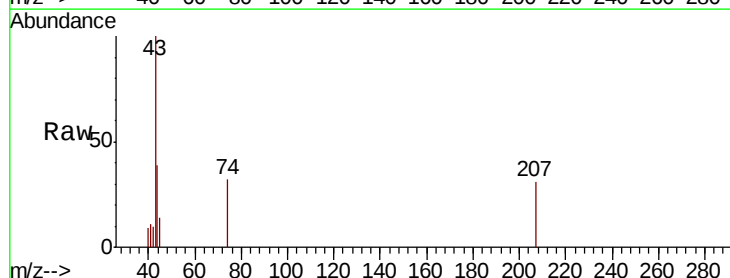
Acq: 19 Oct 2018 20:04

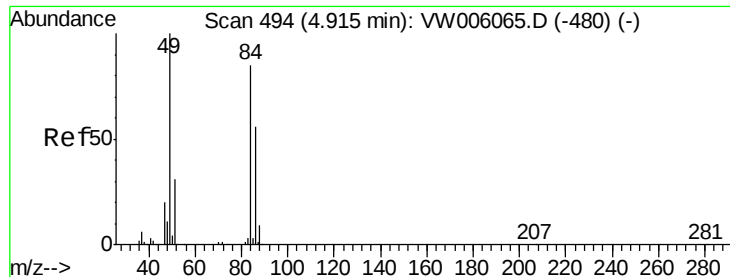
Tgt Ion: 43 Resp: 2136

Ion Ratio Lower Upper

43 100

74 20.6 20.5 30.7





#20

Methylene Chloride

Concen: 6.492 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW006236.D

Acq: 19 Oct 2018 20:04

Instrument :

MSVOA_W

ClientSampled :

SOIL-PILERE

Tot Ion: 84 Resp: 12821

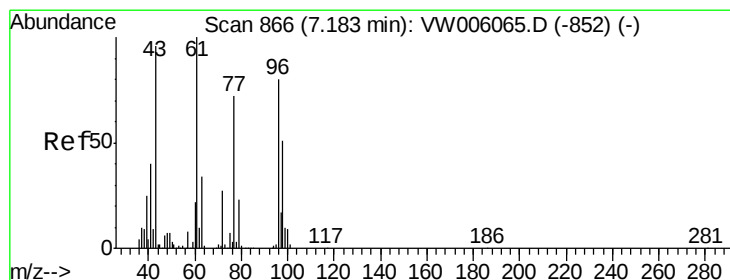
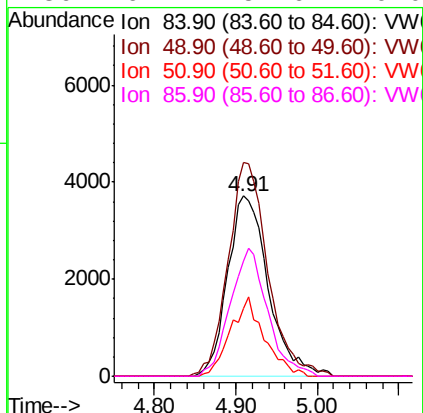
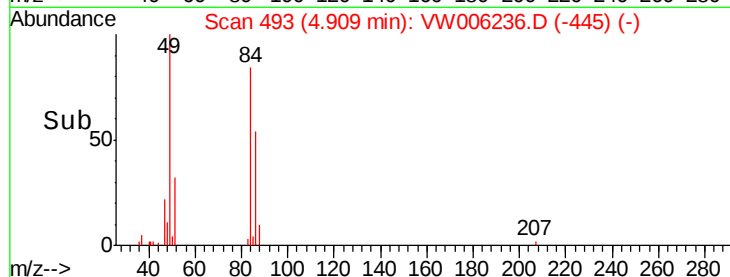
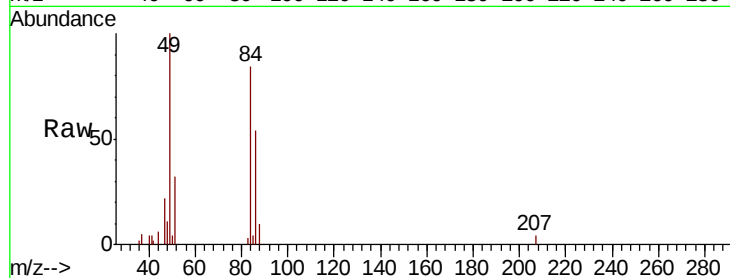
Ion Ratio Lower Upper

84 100

49 118.4 93.6 140.4

51 38.0 29.0 43.4

86 64.1 52.6 79.0



#25

2-Butanone

Concen: 1.781 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.02 min

Lab File: VW006236.D

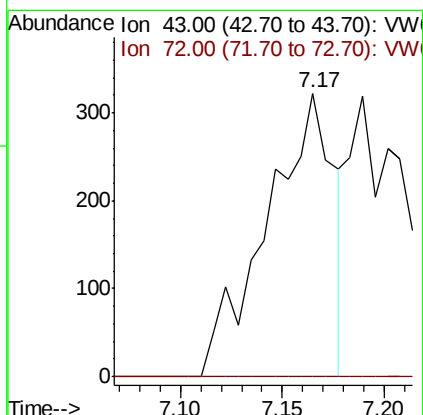
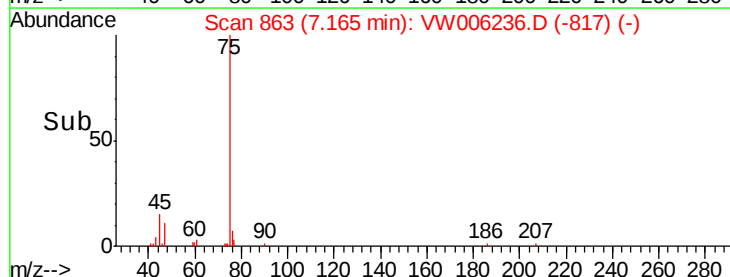
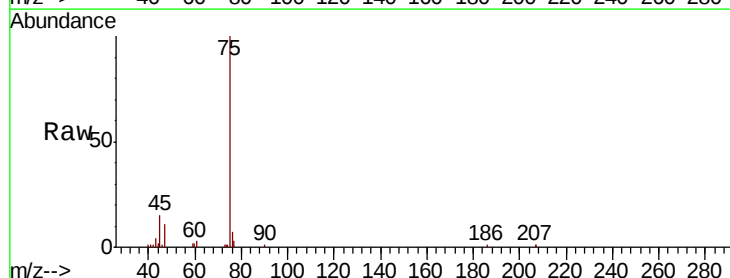
Acq: 19 Oct 2018 20:04

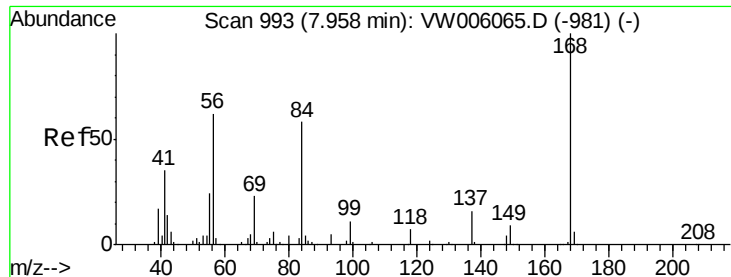
Tgt Ion: 43 Resp: 737

Ion Ratio Lower Upper

43 100

72 0.0 22.8 34.2#

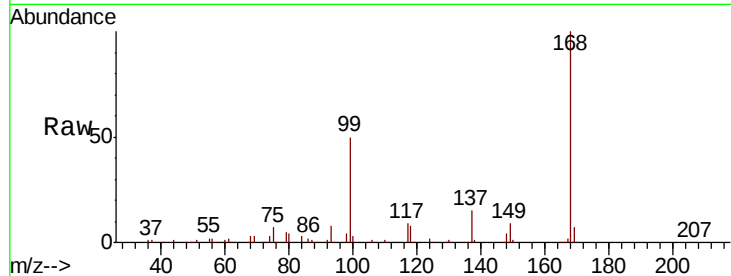




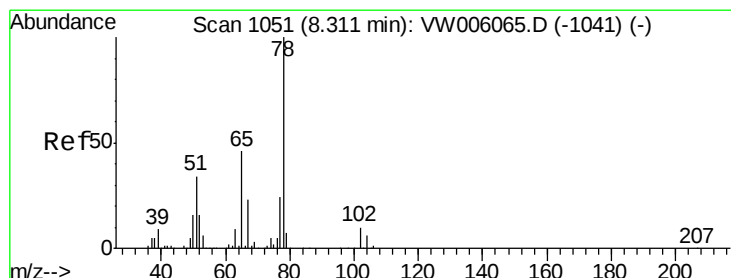
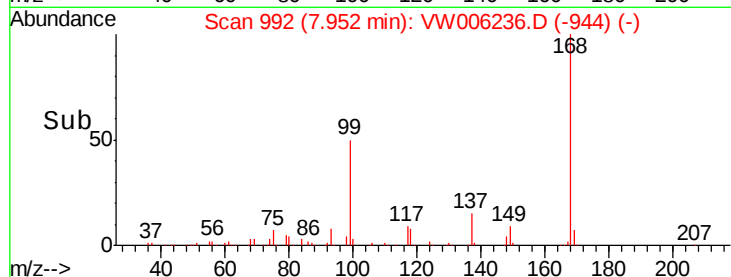
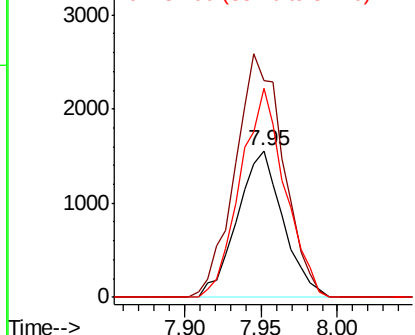
#31
Cyclohexane
Concen: 1.153 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW006236.D
Acq: 19 Oct 2018 20:04

Instrument :
MSVOA_W
ClientSampleId :
SOIL-PILERE

Tot Ion: 56 Resp: 3232
Ion Ratio Lower Upper
56 100
69 148.3 29.4 44.0#
84 142.8 74.0 111.0#

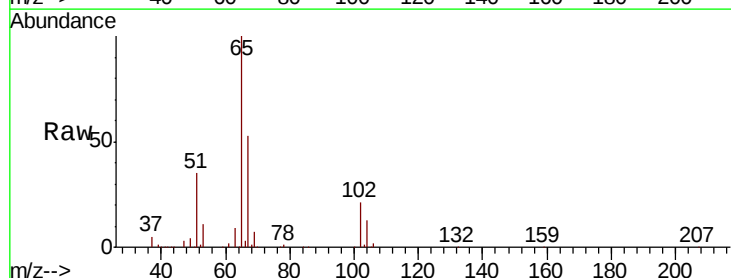


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

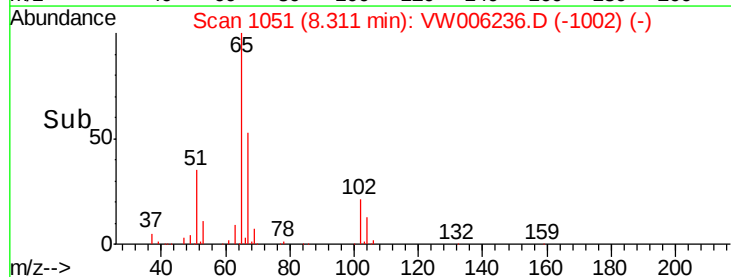
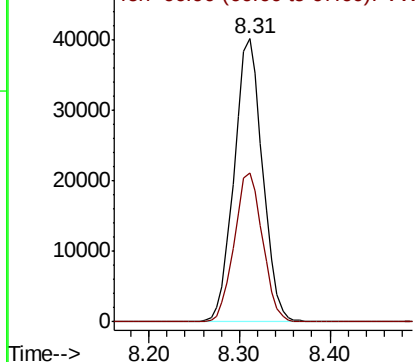


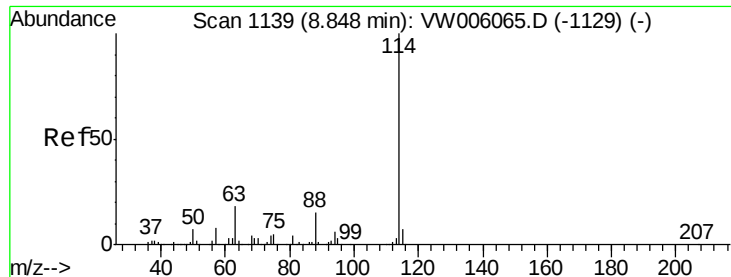
#33
1,2-Dichloroethane-d4
Concen: 57.075 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VW006236.D
Acq: 19 Oct 2018 20:04

Tgt Ion: 65 Resp: 87445
Ion Ratio Lower Upper
65 100
67 52.7 0.0 101.0



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

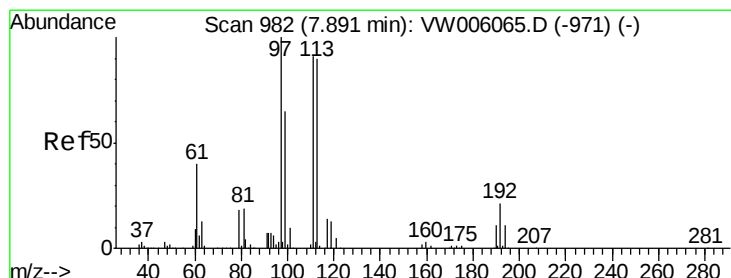
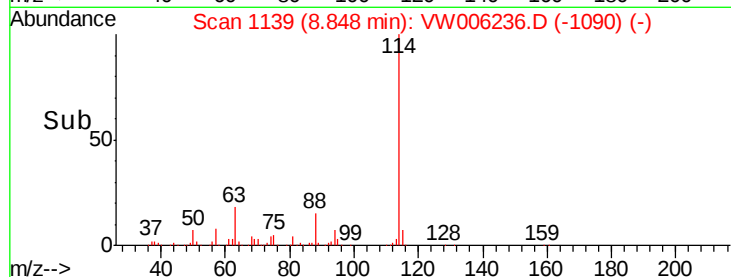
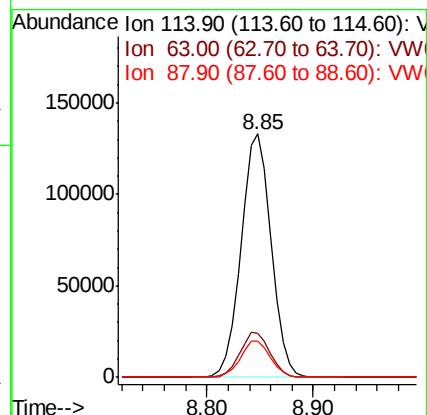
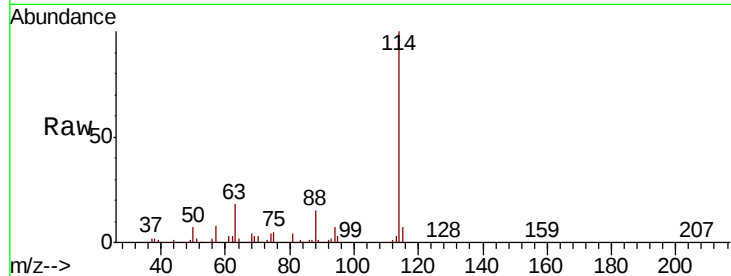




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006236.D
 Acq: 19 Oct 2018 20:04

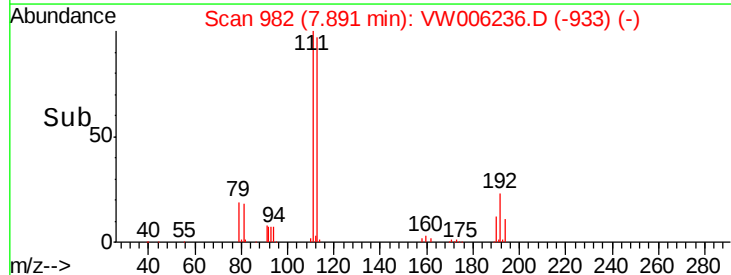
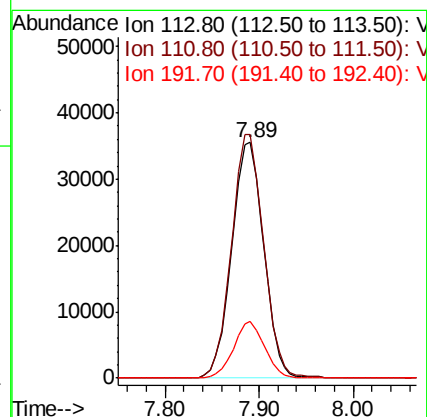
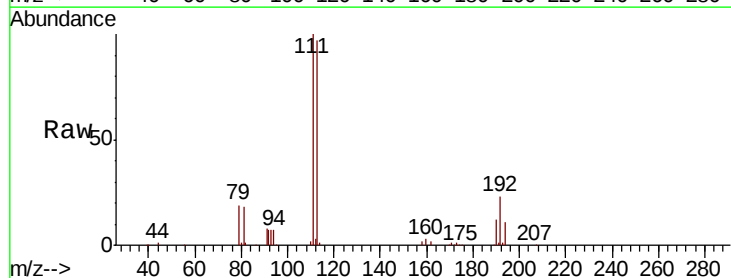
Instrument :
 MSVOA_W
 ClientSampleId :
 SOIL-PILERE

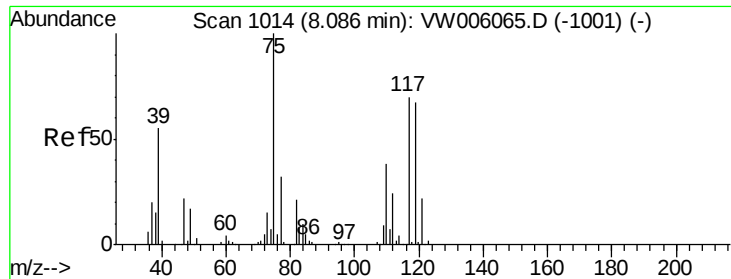
Tot Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	36.8
88	14.8	0.0	29.0



#35
 Dibromofluoromethane
 Concen: 54.039 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW006236.D
 Acq: 19 Oct 2018 20:04

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.4	122.0
192	23.1	18.7	28.1





#36

1,1-Dichloropropene

Concen: 5.185 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW006236.D

Acq: 19 Oct 2018 20:04

Instrument :

MSVOA_W

ClientSampleId :

SOIL-PILERE

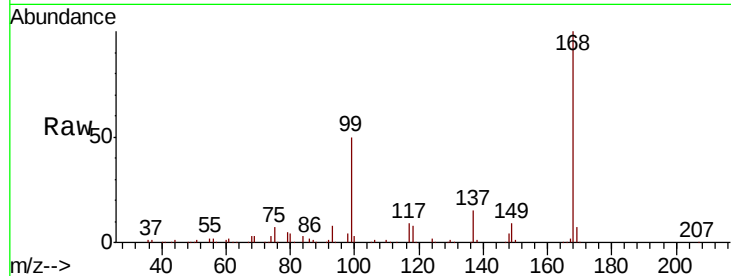
Tot Ion: 75 Resp: 12586

Ion Ratio Lower Upper

75 100

110 9.8 19.1 57.1#

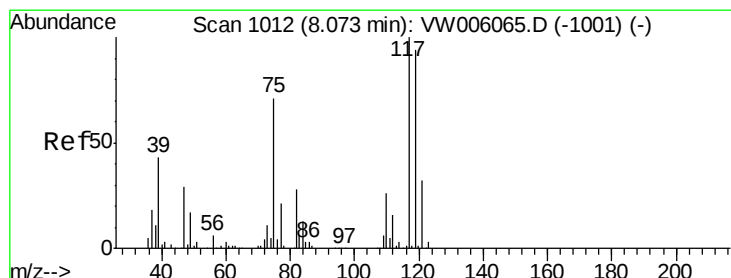
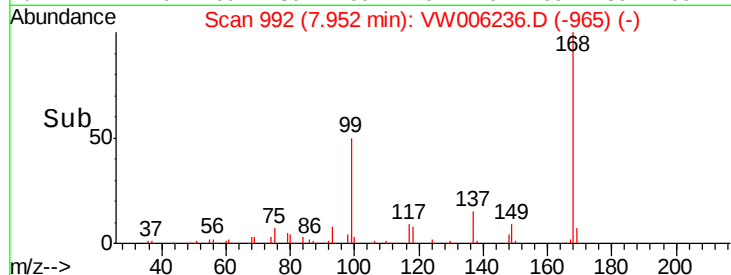
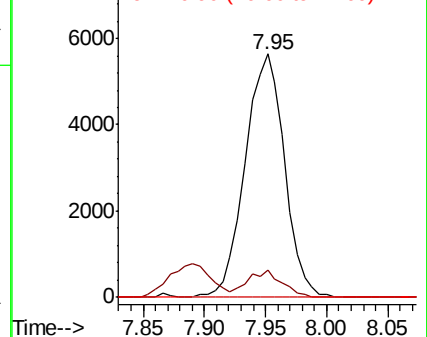
77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW



#38

Carbon Tetrachloride

Concen: 6.522 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW006236.D

Acq: 19 Oct 2018 20:04

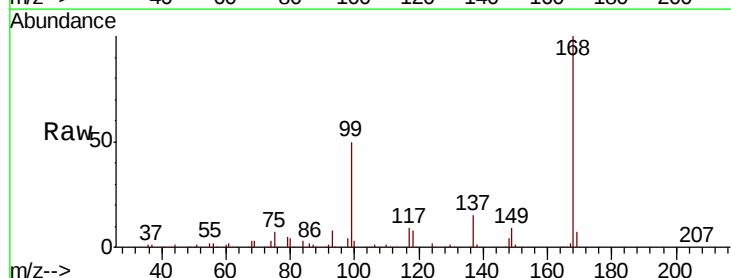
Tgt Ion: 117 Resp: 17355

Ion Ratio Lower Upper

117 100

119 5.3 75.2 112.8#

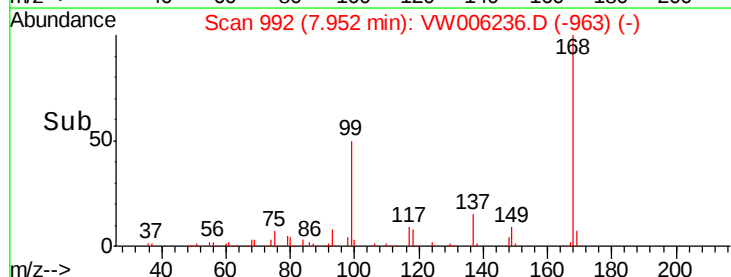
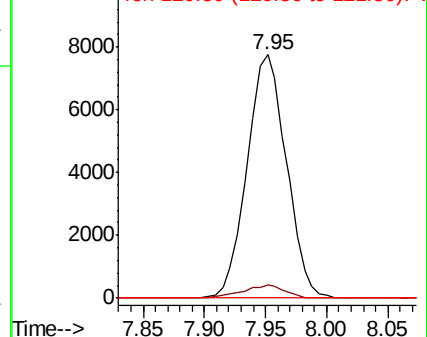
121 0.0 25.3 37.9#

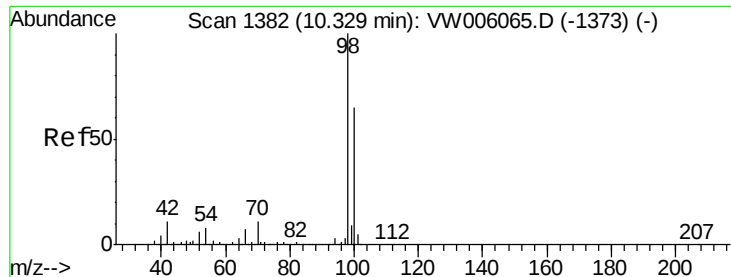


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 49.705 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006236.D

Acq: 19 Oct 2018 20:04

Instrument :

MSVOA_W

ClientSampleId :

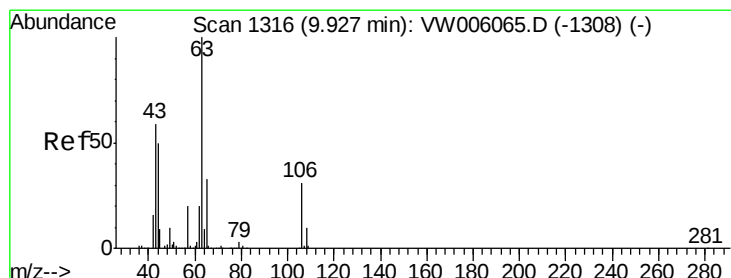
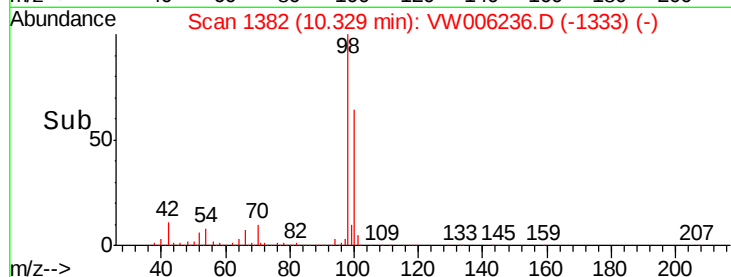
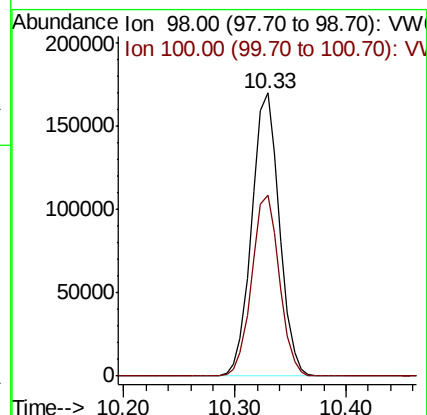
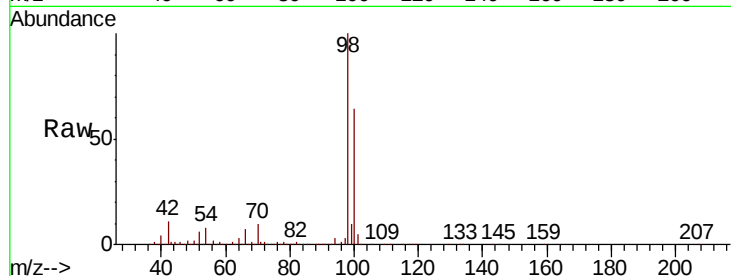
SOIL-PILERE

Tot Ion: 98 Resp: 294251

Ion Ratio Lower Upper

98 100

100 63.7 51.6 77.4



#58

2-Chloroethyl Vinyl ether

Concen: 1.057 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VW006236.D

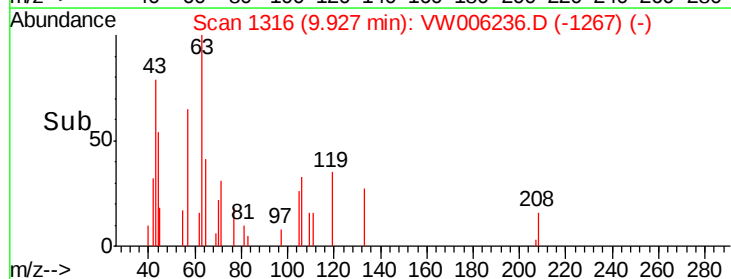
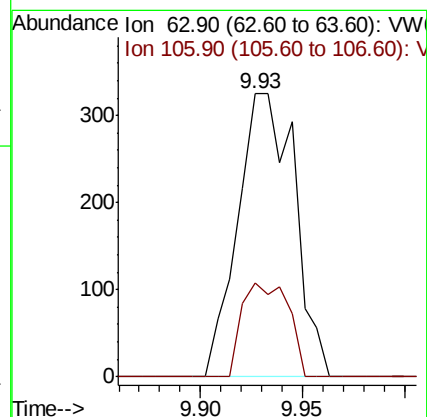
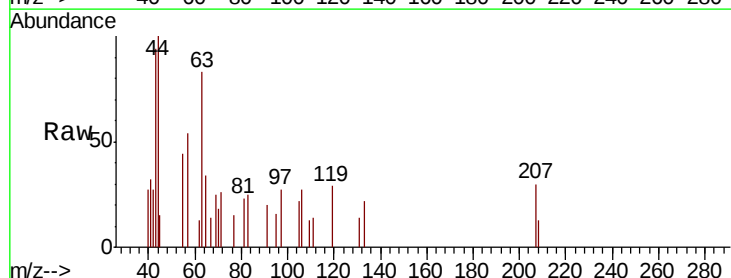
Acq: 19 Oct 2018 20:04

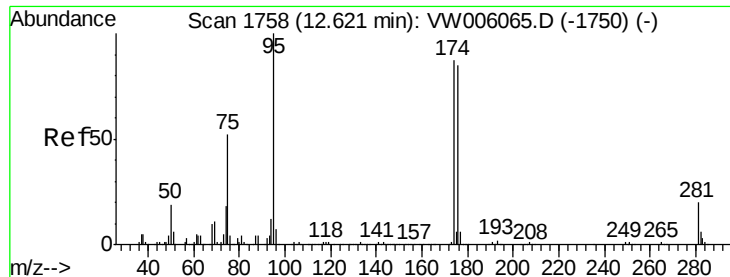
Tgt Ion: 63 Resp: 629

Ion Ratio Lower Upper

63 100

106 26.9 24.5 36.7





#62

4-Bromofluorobenzene

Concen: 37.020 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006236.D

Acq: 19 Oct 2018 20:04

Instrument :

MSVOA_W

ClientSampleId :

SOIL-PILERE

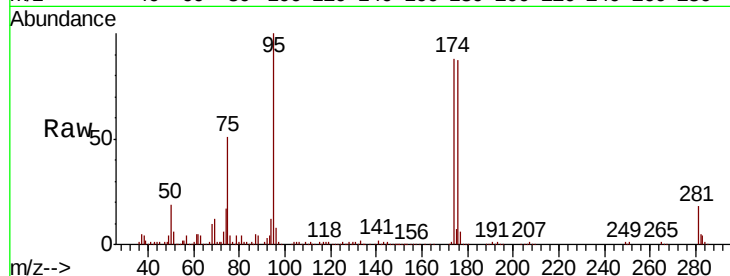
Tot Ion: 95 Resp: 82313

Ion Ratio Lower Upper

95 100

174 92.7 0.0 186.0

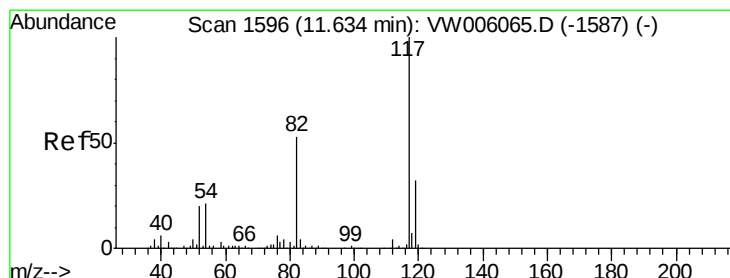
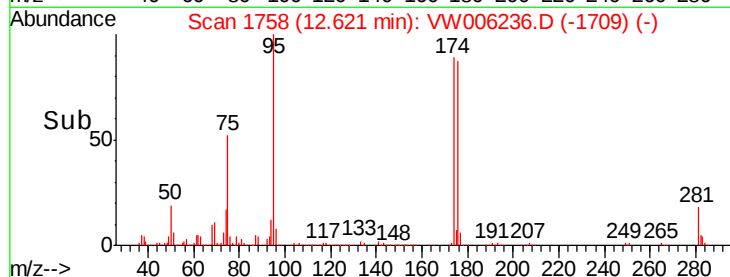
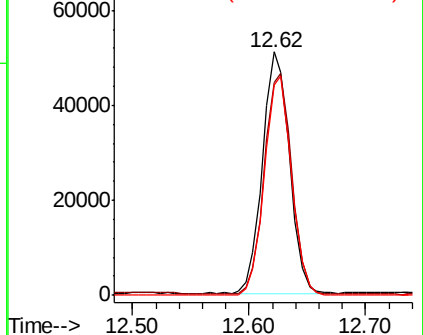
176 91.0 0.0 181.6



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: VW006236.D

Acq: 19 Oct 2018 20:04

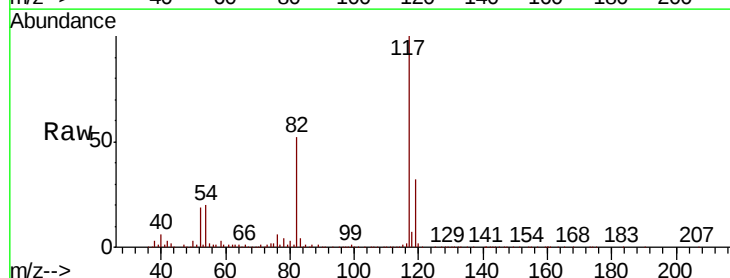
Tgt Ion: 117 Resp: 203608

Ion Ratio Lower Upper

117 100

82 52.4 42.1 63.1

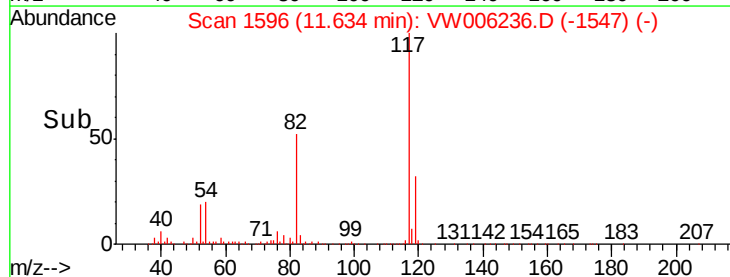
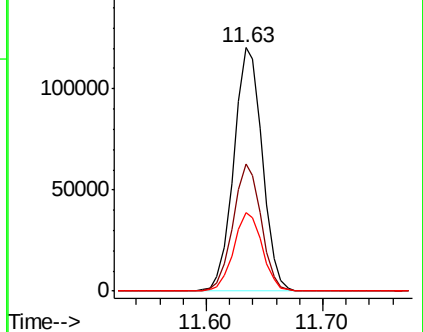
119 32.0 25.8 38.6

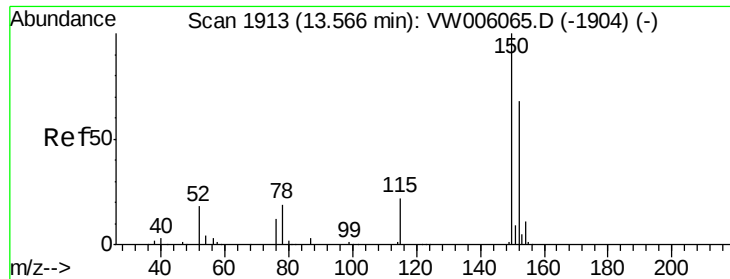


Abundance Ion 116.90 (116.60 to 117.60): VW

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: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW006236.D

Acq: 19 Oct 2018 20:04

Instrument :

MSVOA_W

ClientSampleId :

SOIL-PILERE

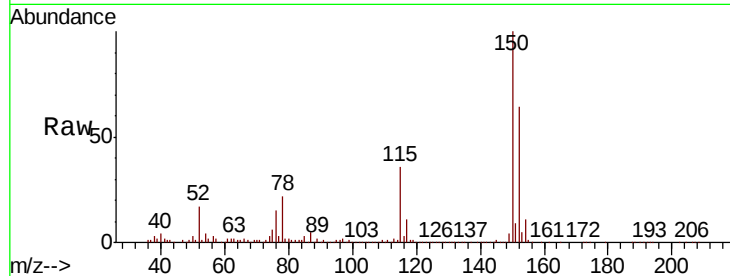
Tot Ion:152 Resp: 77208

Ion Ratio Lower Upper

152 100

115 56.0 27.8 83.3

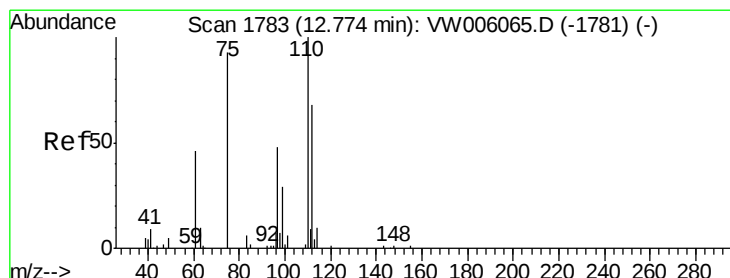
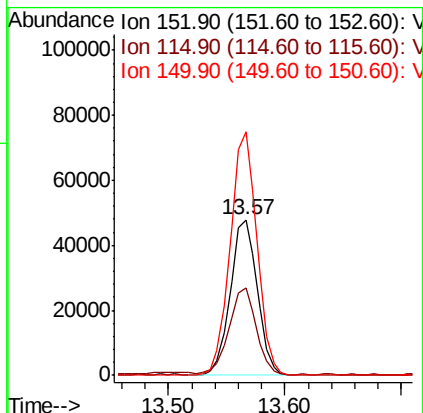
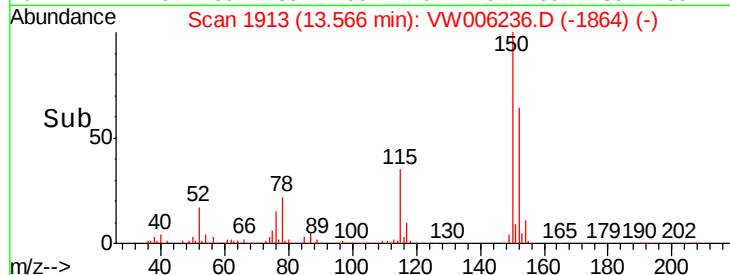
150 154.2 0.0 349.2



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: 72.019 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006236.D

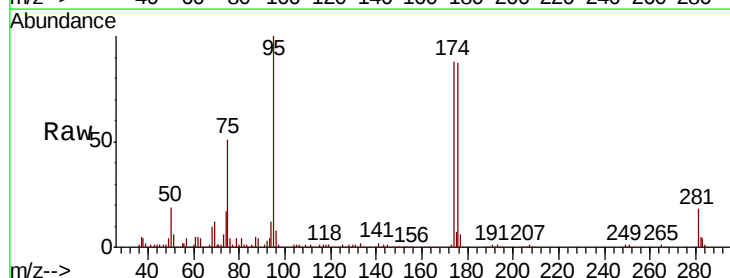
Acq: 19 Oct 2018 20:04

Tgt Ion: 75 Resp: 42471

Ion Ratio Lower Upper

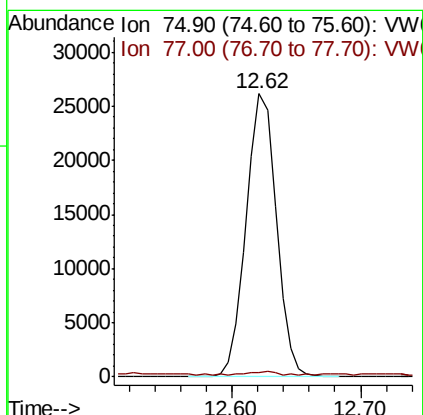
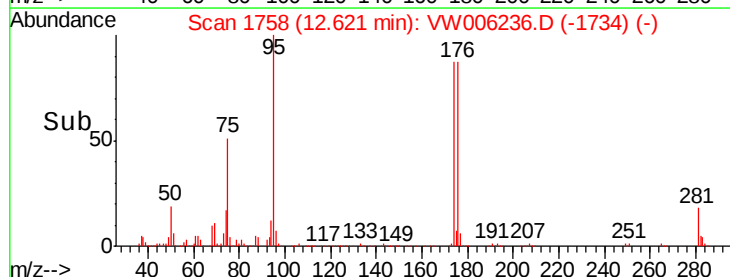
75 100

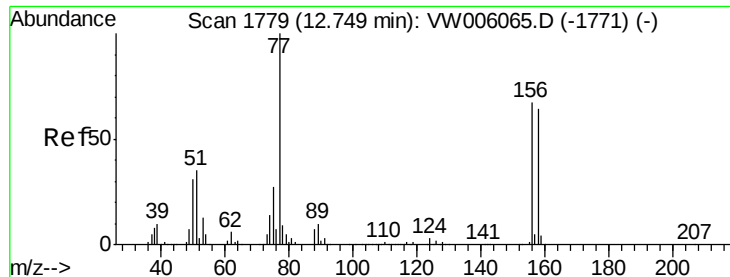
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 5.354 ug/l

RT: 12.92 min Scan# 1807

Delta R.T. 0.17 min

Lab File: VW006236.D

Acq: 19 Oct 2018 20:04

Instrument :

MSVOA_W

ClientSampleId :

SOIL-PILERE

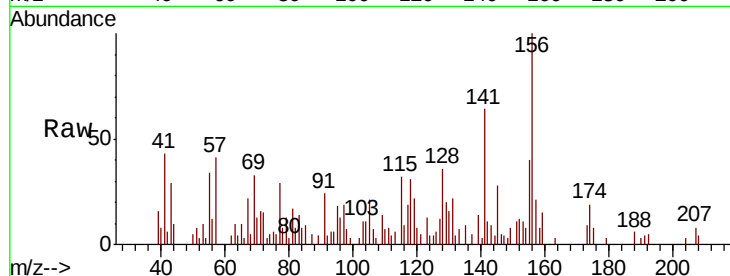
Tot Ion:156 Resp: 7153

Ion Ratio Lower Upper

156 100

77 1.4 79.1 237.4#

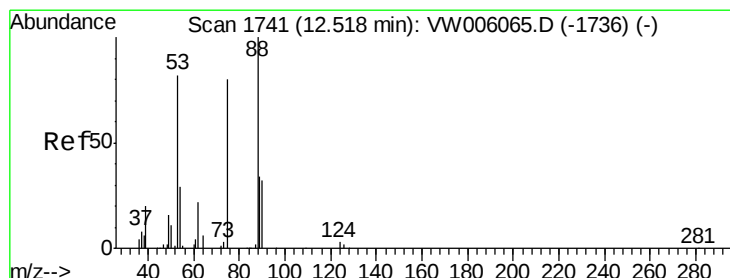
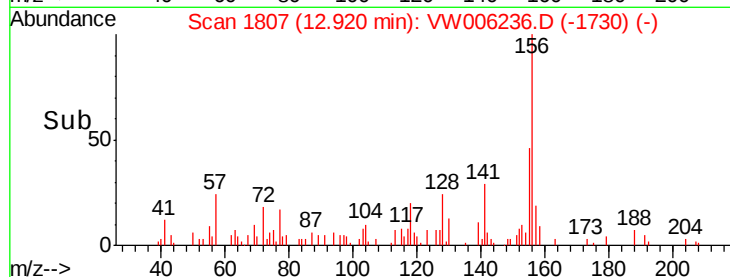
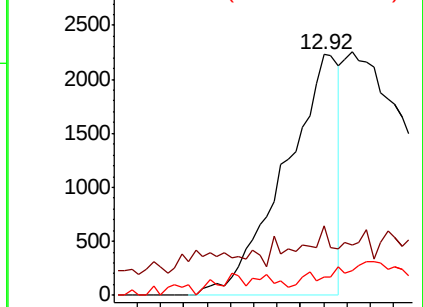
158 1.5 48.5 145.6#



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: 172.155 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006236.D

Acq: 19 Oct 2018 20:04

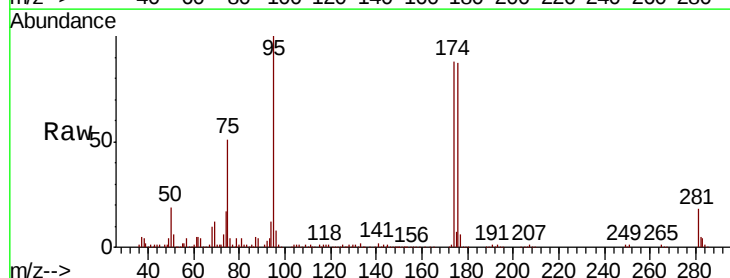
Tgt Ion: 75 Resp: 42471

Ion Ratio Lower Upper

75 100

53 0.3 79.8 119.6#

89 0.2 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

