

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW021919\
 Data File : VW008748.D
 Acq On : 19 Feb 2019 13:18
 Operator : SY/VA
 Sample : K1527-01
 Misc : 6.07G/5ML/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SOIL-PILE

Quant Time: Feb 20 06:51:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 04:06:50 2019
 Response via : Initial Calibration

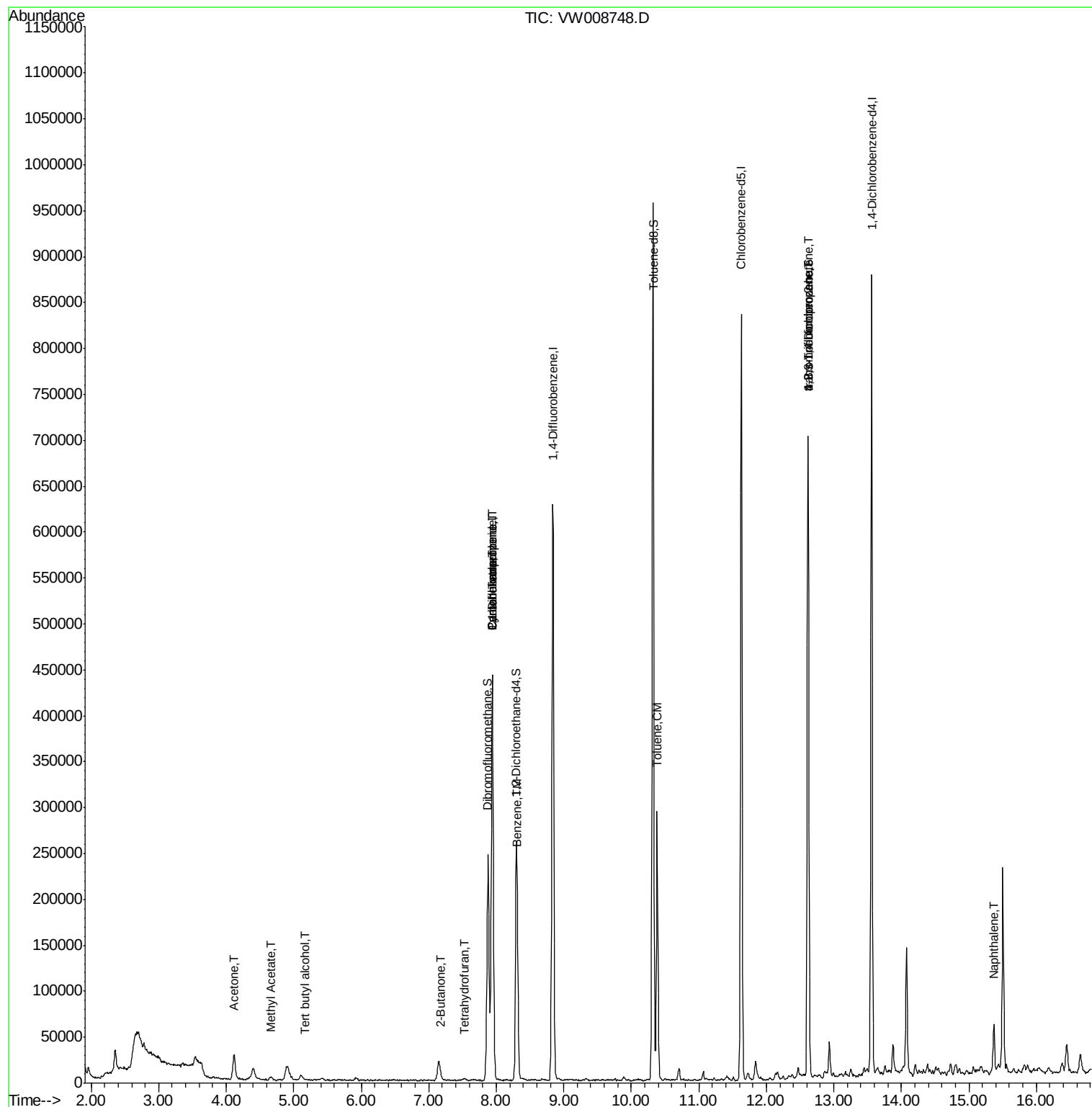
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	340281	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	516603	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	448869	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	216760	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	183708	51.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.86%	
35) Dibromofluoromethane	7.88	113	162756	50.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.48%	
50) Toluene-d8	10.32	98	621608	50.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.54%	
62) 4-Bromofluorobenzene	12.62	95	208774	44.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.64%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.17	59	374	1.321	ug/l #	58
16) Acetone	4.12	43	46192	57.380	ug/l	93
18) Methyl Acetate	4.67	43	6685	3.634	ug/l #	89
20) Methylene Chloride	4.90	84	14239	Below Cal	#	85
25) 2-Butanone	7.18	43	1382	1.216	ug/l #	87
29) Tetrahydrofuran	7.52	42	1185	1.582	ug/l #	52
31) Cyclohexane	7.94	56	7460	1.153	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	25721	4.956	ug/l #	51
38) Carbon Tetrachloride	7.94	117	33057	6.405	ug/l #	17
40) Benzene	8.32	78	21313	1.504	ug/l	97
52) Toluene	10.38	92	121735	13.312	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	110604	51.675	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	110604	110.710	ug/l #	6
95) Naphthalene	15.37	128	45196	5.315	ug/l	98

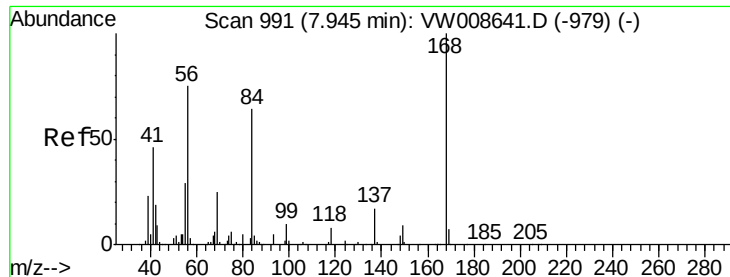
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008748.D

Acq: 19 Feb 2019 13:18

Instrument :

MSVOA_W

ClientSampleId :

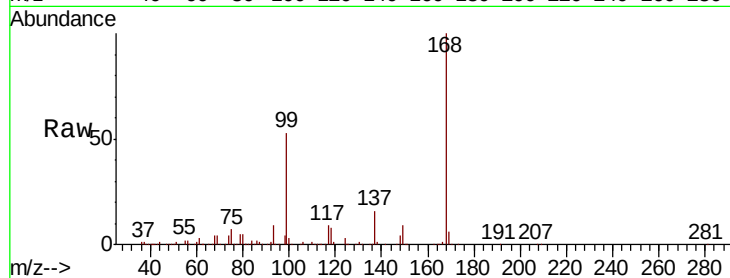
SOIL-PILE

Tgt Ion:168 Resp: 340281

Ion Ratio Lower Upper

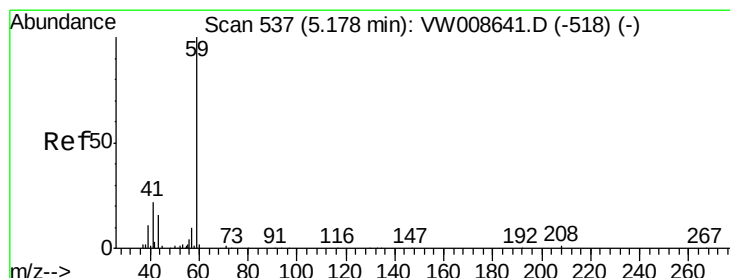
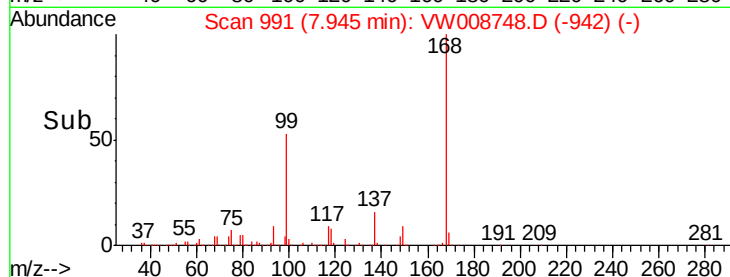
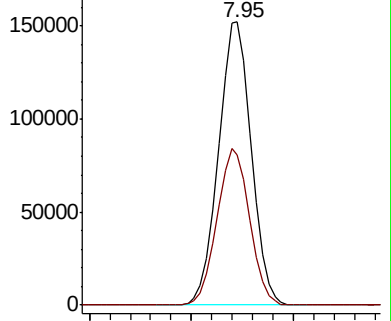
168 100

99 52.9 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 1.321 ug/l

RT: 5.17 min Scan# 535

Delta R.T. -0.01 min

Lab File: VW008748.D

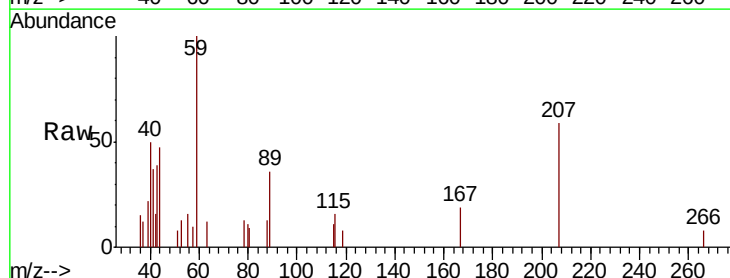
Acq: 19 Feb 2019 13:18

Tgt Ion: 59 Resp: 374

Ion Ratio Lower Upper

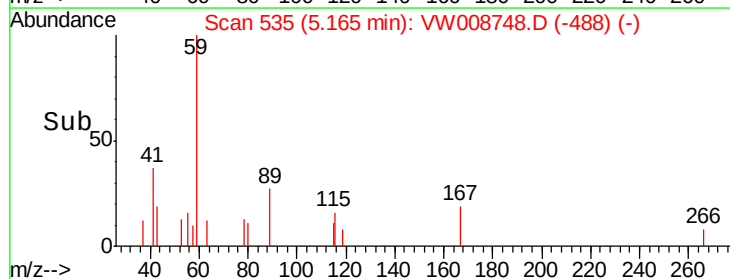
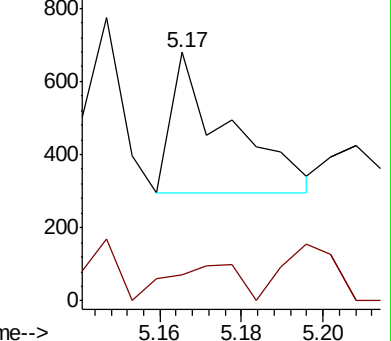
59 100

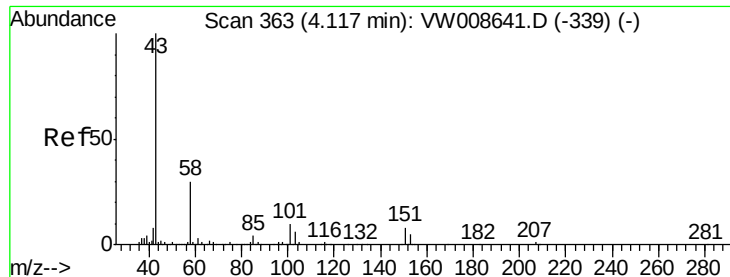
57 25.9 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 57.380 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW008748.D

Acq: 19 Feb 2019 13:18

Instrument :

MSVOA_W

ClientSampleId :

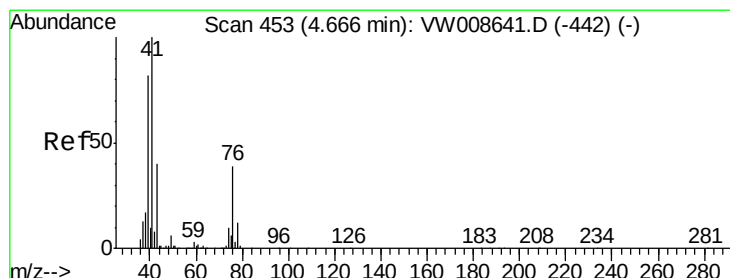
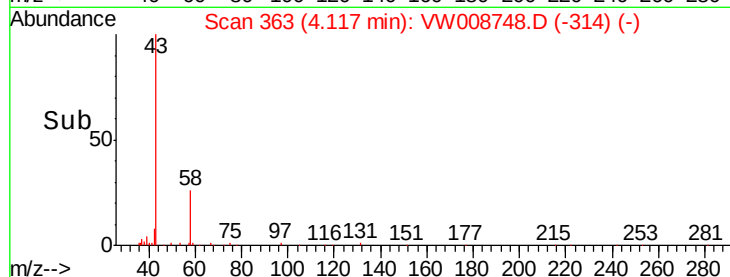
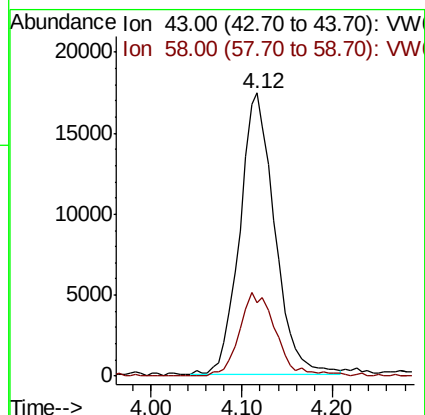
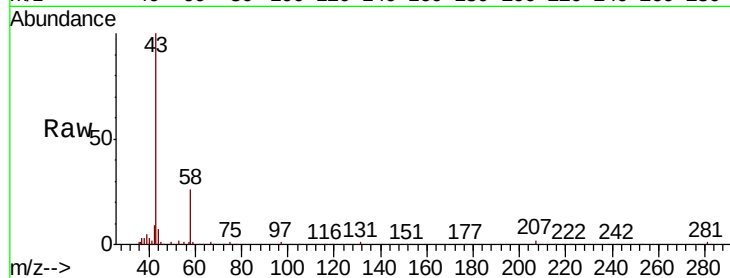
SOIL-PILE

Tgt Ion: 43 Resp: 46192

Ion Ratio Lower Upper

43 100

58 26.0 24.1 36.1



#18

Methyl Acetate

Concen: 3.634 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW008748.D

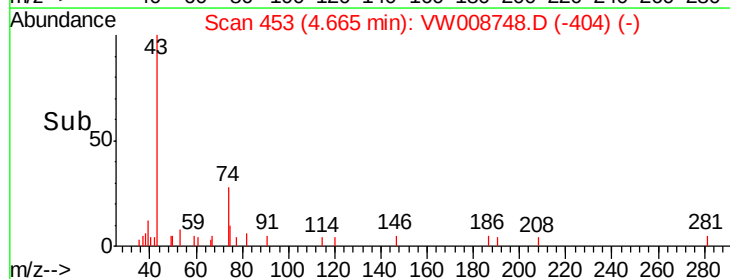
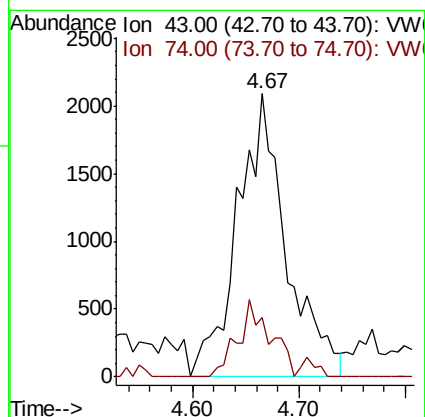
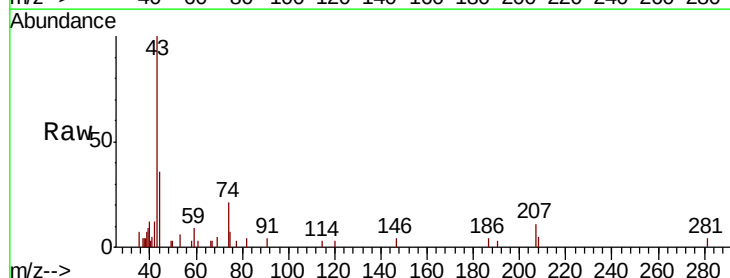
Acq: 19 Feb 2019 13:18

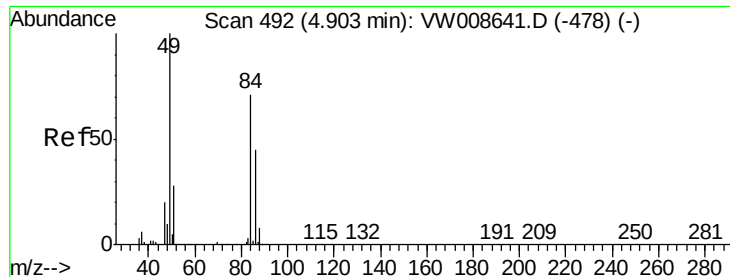
Tgt Ion: 43 Resp: 6685

Ion Ratio Lower Upper

43 100

74 18.3 19.0 28.4#

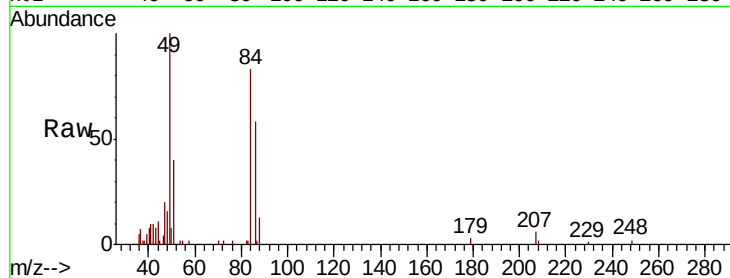




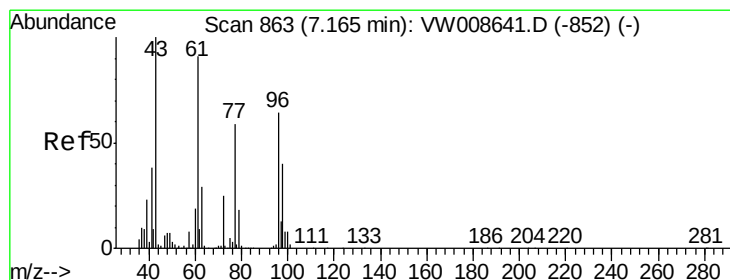
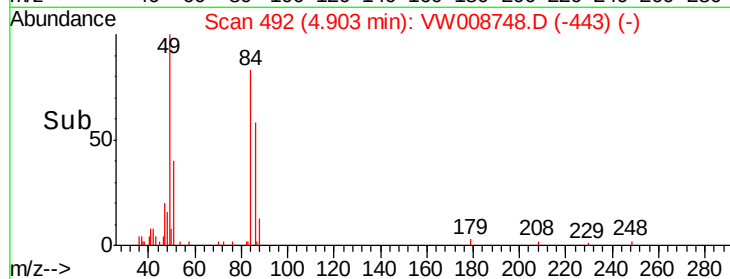
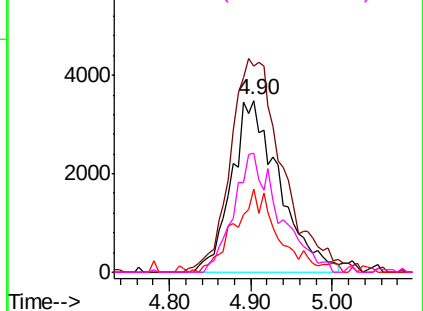
#20
Methylene Chloride
Concen: Below Cal
RT: 4.90 min Scan# 492
Delta R.T. 0.00 min
Lab File: VW008748.D
Acq: 19 Feb 2019 13:18

Instrument :
MSVOA_W
ClientSampleId :
SOIL-PILE

Tgt Ion: 84 Resp: 14239
Ion Ratio Lower Upper
84 100
49 117.8 113.3 169.9
51 48.4 32.1 48.1#
86 69.2 50.9 76.3

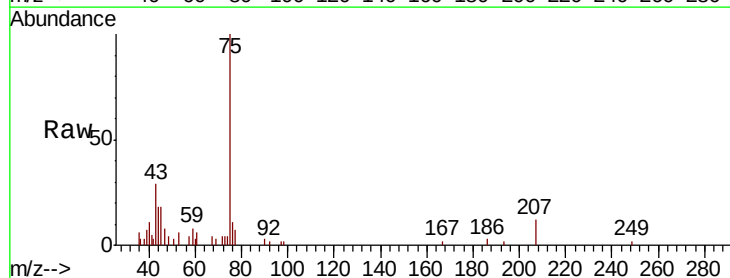


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

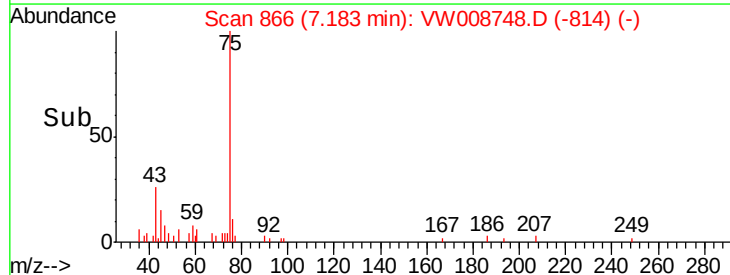
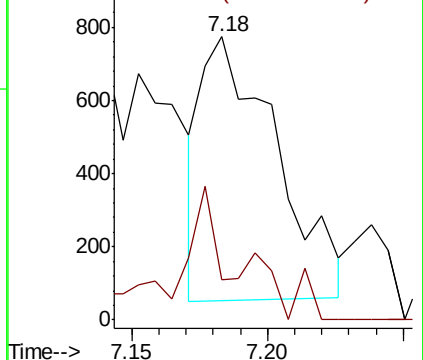


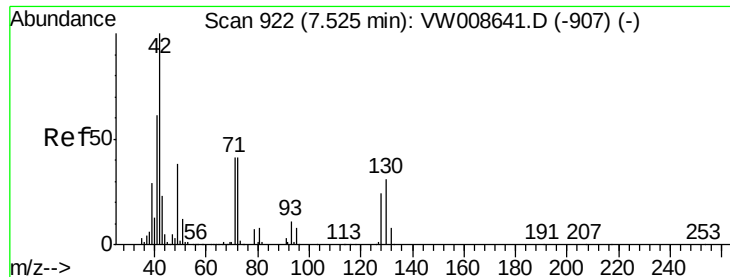
#25
2-Butanone
Concen: 1.216 ug/l
RT: 7.18 min Scan# 866
Delta R.T. 0.02 min
Lab File: VW008748.D
Acq: 19 Feb 2019 13:18

Tgt Ion: 43 Resp: 1382
Ion Ratio Lower Upper
43 100
72 18.2 19.7 29.5#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

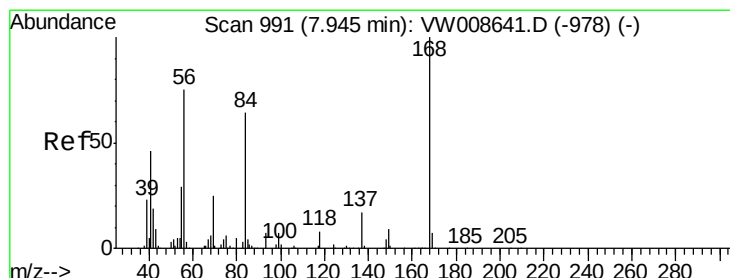
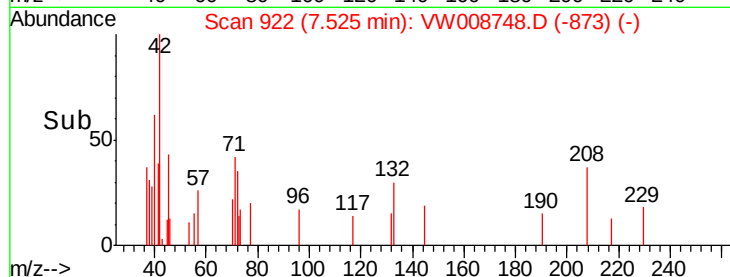
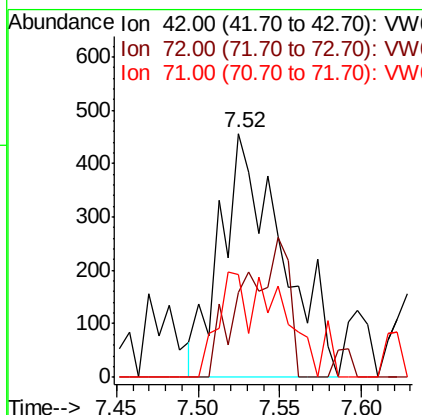
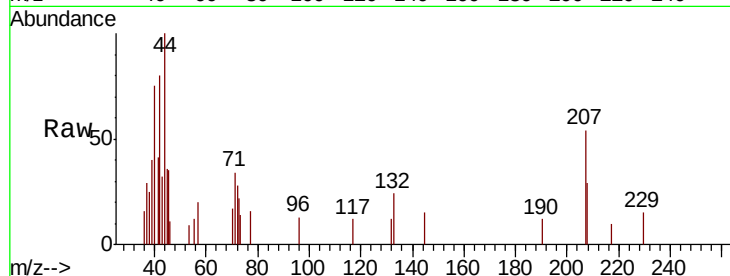




#29
Tetrahydrofuran
Concen: 1.582 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW008748.D
Acq: 19 Feb 2019 13:18

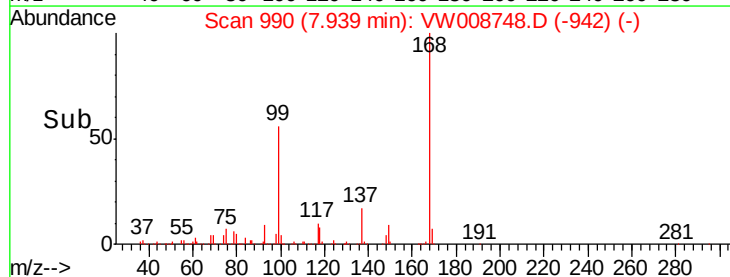
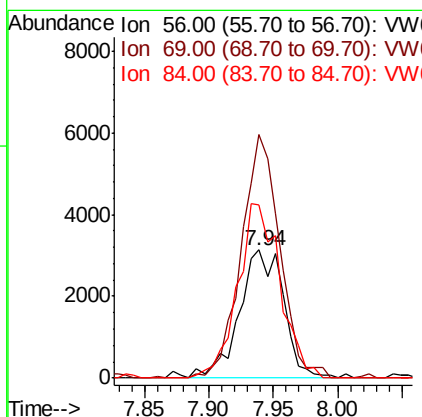
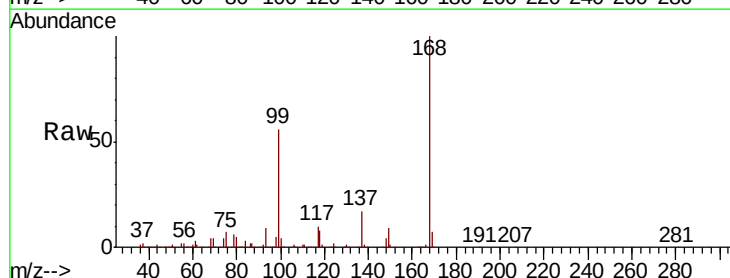
Instrument :
MSVOA_W
ClientSampleId :
SOIL-PILE

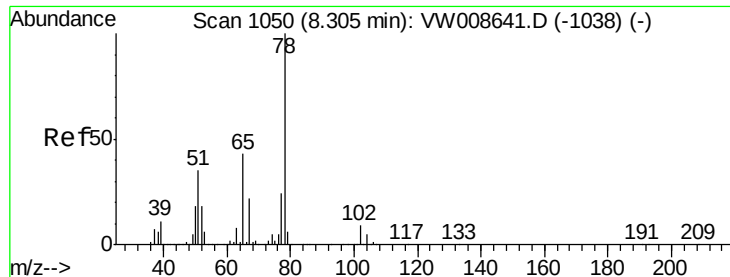
Tgt Ion: 42 Resp: 1185
Ion Ratio Lower Upper
42 100
72 0.0 32.2 48.2#
71 19.8 31.0 46.6#



#31
Cyclohexane
Concen: 1.153 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW008748.D
Acq: 19 Feb 2019 13:18

Tgt Ion: 56 Resp: 7460
Ion Ratio Lower Upper
56 100
69 190.3 26.4 39.6#
84 135.7 67.4 101.2#





#33

1,2-Dichloroethane-d4

Concen: 51.929 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW008748.D

Acq: 19 Feb 2019 13:18

Instrument :

MSVOA_W

ClientSampleId :

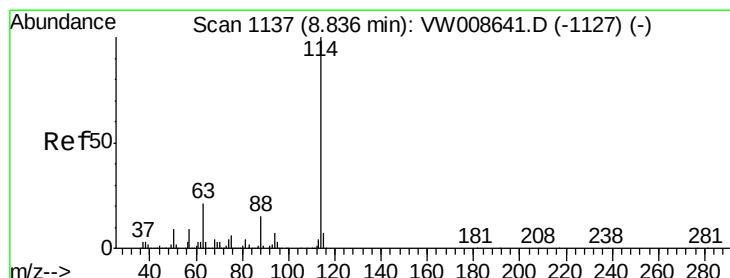
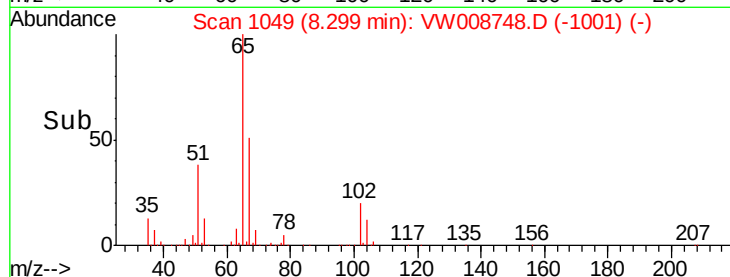
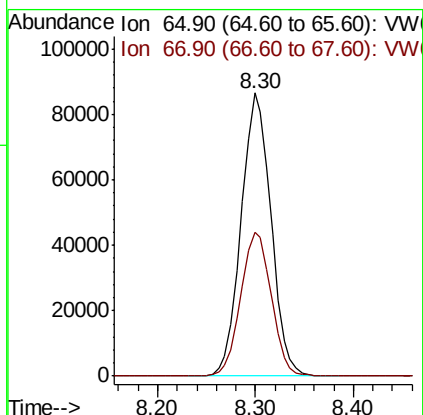
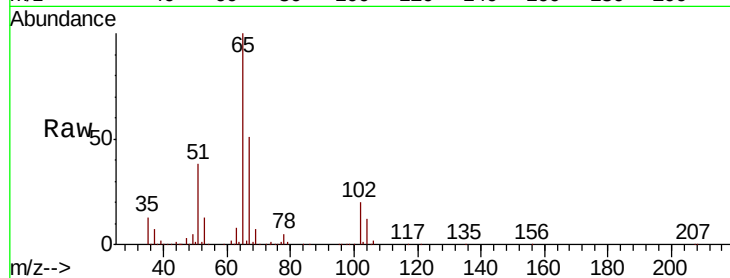
SOIL-PILE

Tgt Ion: 65 Resp: 183708

Ion Ratio Lower Upper

65 100

67 52.1 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VW008748.D

Acq: 19 Feb 2019 13:18

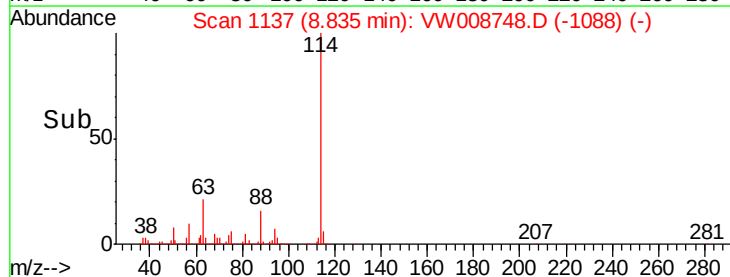
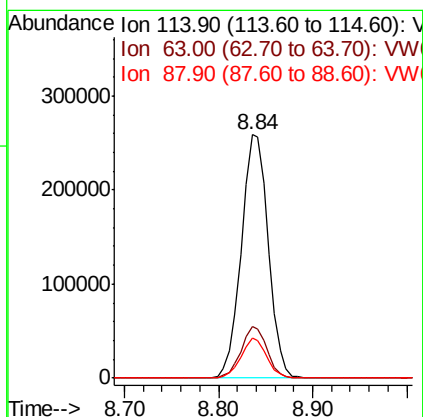
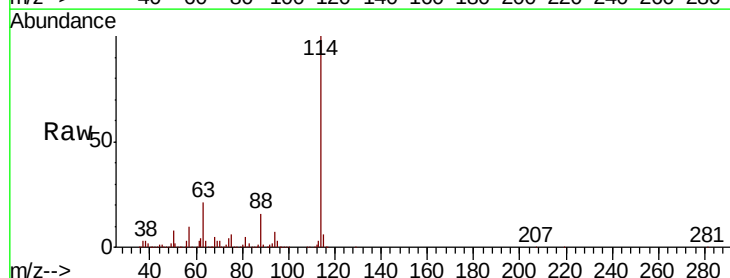
Tgt Ion: 114 Resp: 516603

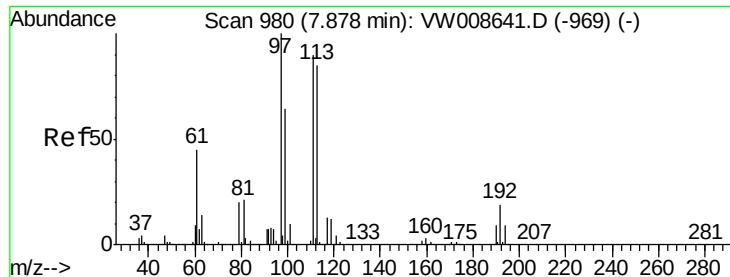
Ion Ratio Lower Upper

114 100

63 21.3 0.0 41.2

88 16.2 0.0 29.6

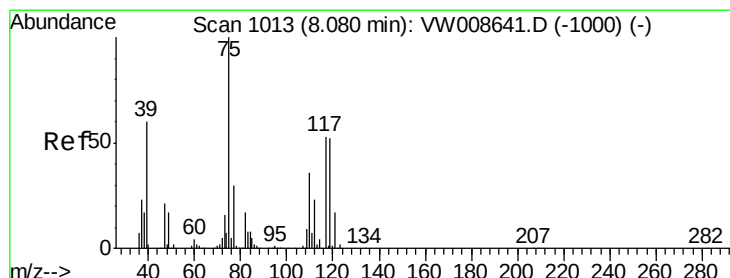
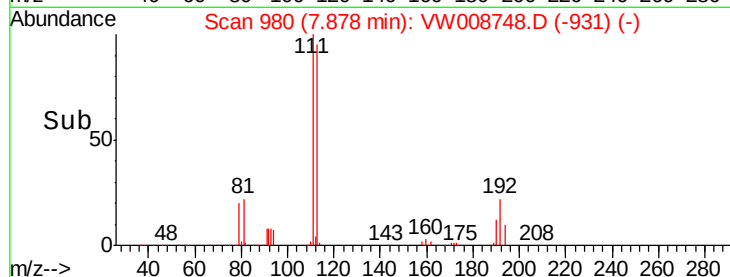
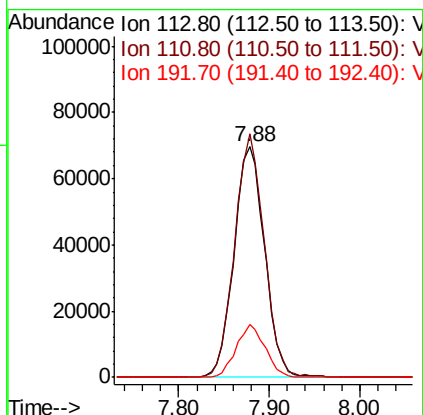
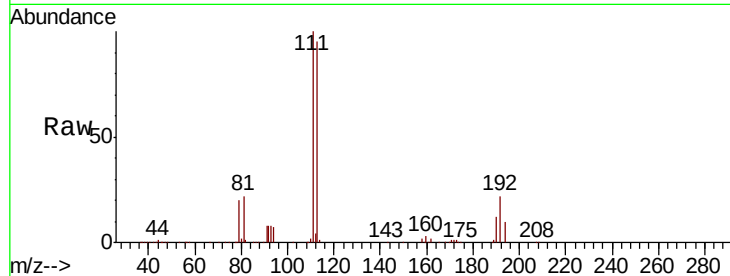




#35
 Dibromofluoromethane
 Concen: 50.738 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW008748.D
 Acq: 19 Feb 2019 13:18

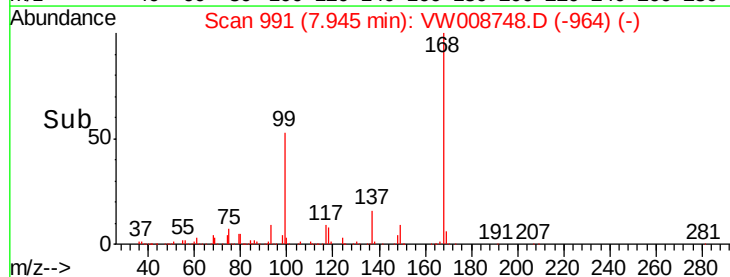
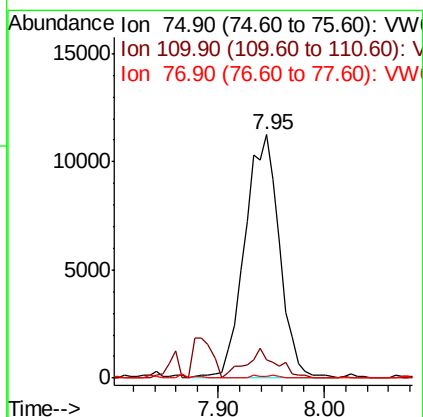
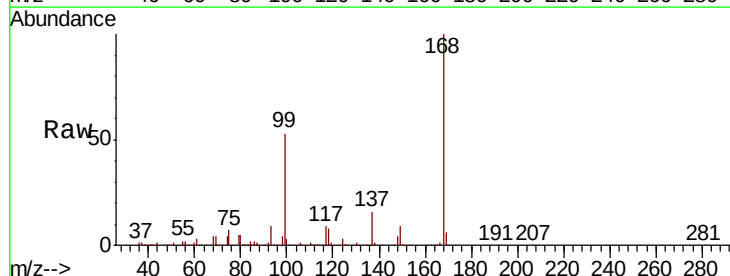
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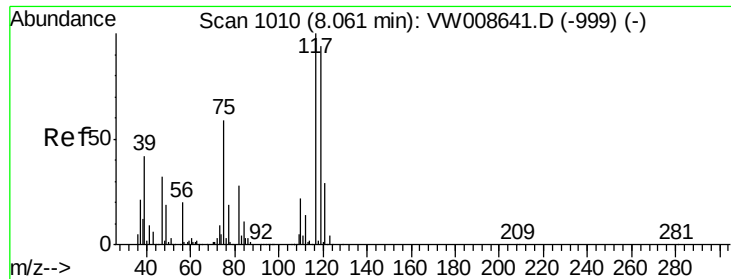
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.8	84.0	126.0
192	21.6	17.4	26.2



#36
 1,1-Dichloropropene
 Concen: 4.956 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008748.D
 Acq: 19 Feb 2019 13:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.2	17.8	53.3#
77	0.7	24.7	37.1#

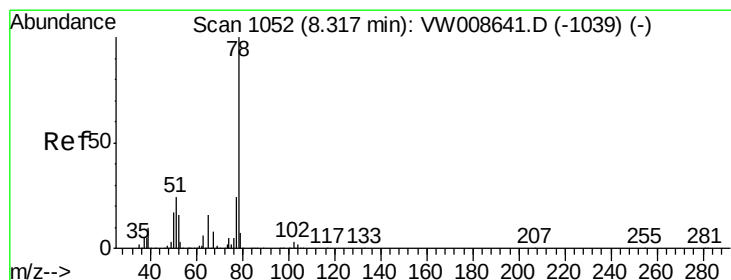
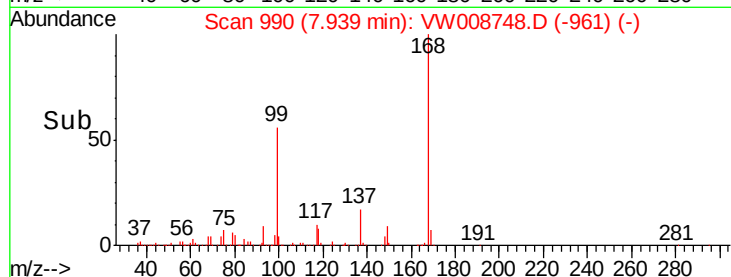
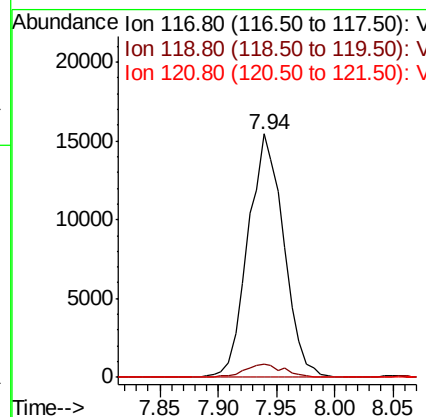
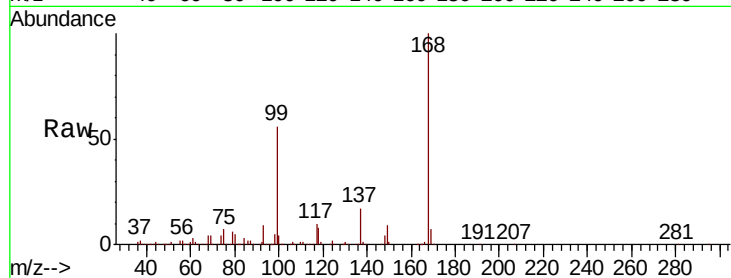




#38
Carbon Tetrachloride
Concen: 6.405 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.12 min
Lab File: VW008748.D
Acq: 19 Feb 2019 13:18

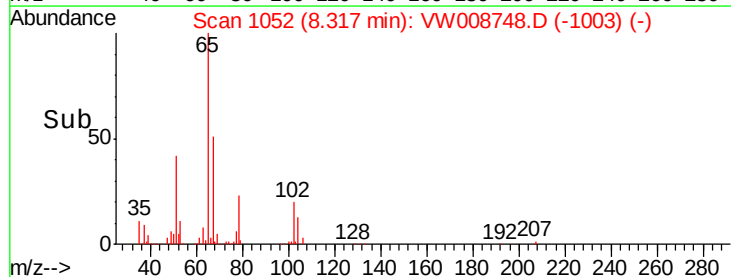
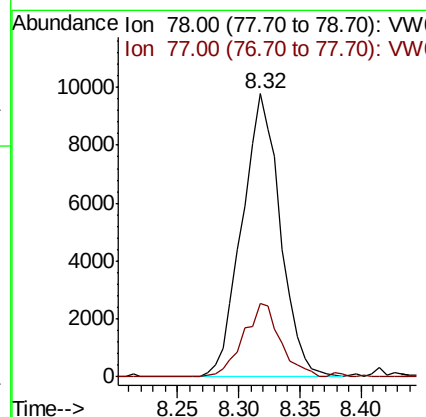
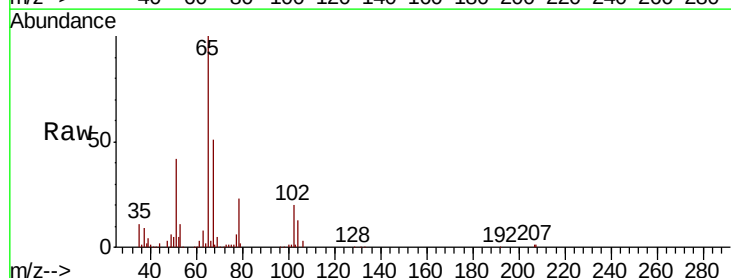
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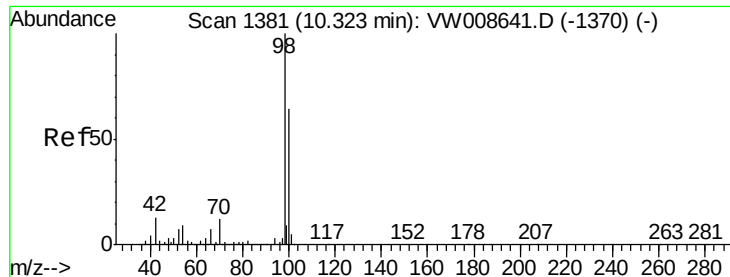
Tgt Ion:117 Resp: 33057
Ion Ratio Lower Upper
117 100
119 5.6 75.1 112.7#
121 0.0 23.5 35.3#



#40
Benzene
Concen: 1.504 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VW008748.D
Acq: 19 Feb 2019 13:18

Tgt Ion: 78 Resp: 21313
Ion Ratio Lower Upper
78 100
77 26.0 19.5 29.3





#50

Toluene-d8

Concen: 50.269 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008748.D

Acq: 19 Feb 2019 13:18

Instrument :

MSVOA_W

ClientSampleId :

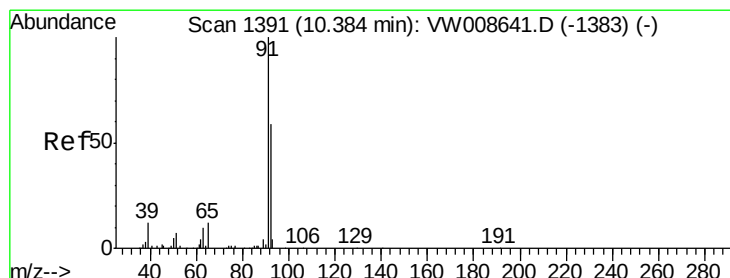
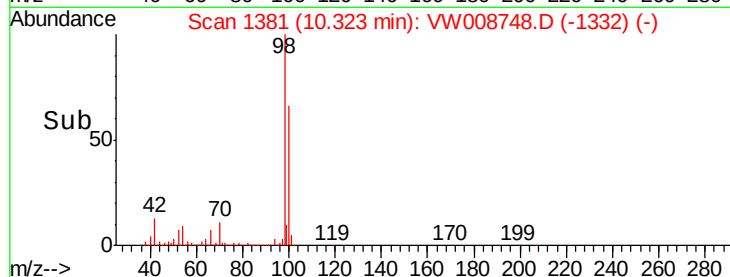
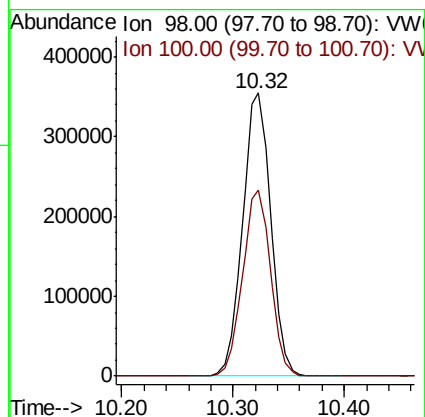
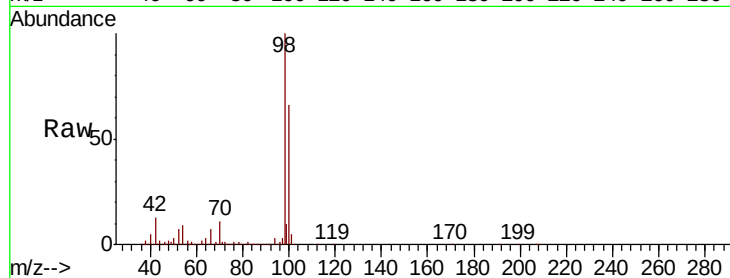
SOIL-PILE

Tgt Ion: 98 Resp: 621608

Ion Ratio Lower Upper

98 100

100 65.5 52.2 78.4



#52

Toluene

Concen: 13.312 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW008748.D

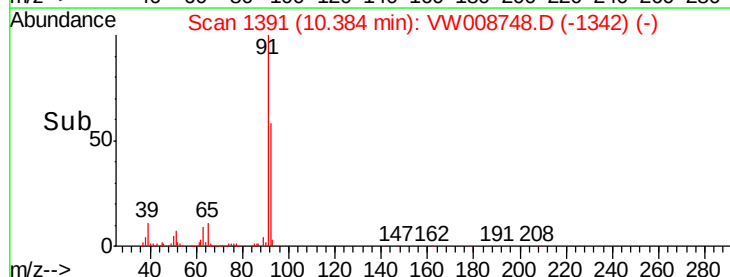
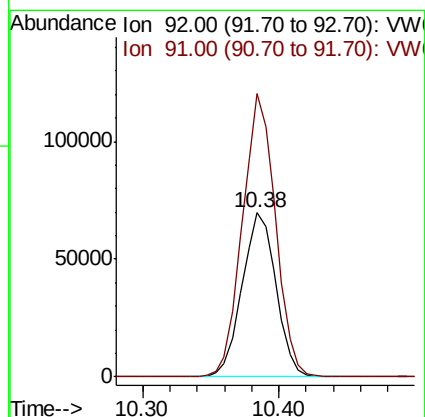
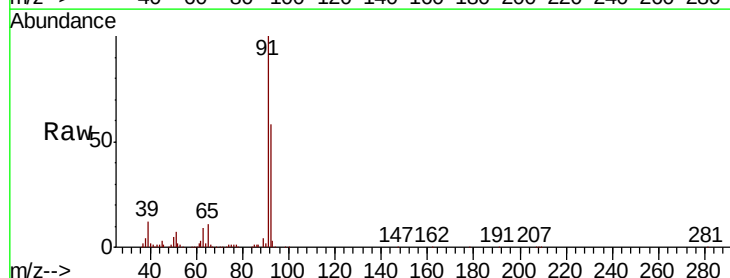
Acq: 19 Feb 2019 13:18

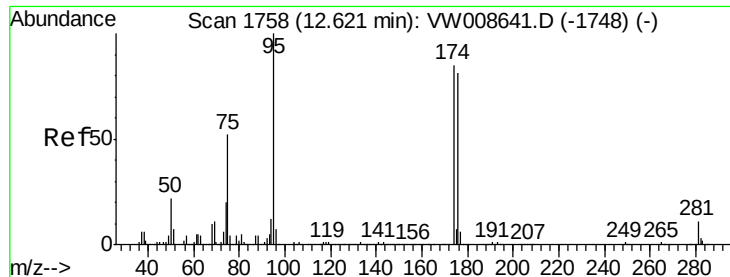
Tgt Ion: 92 Resp: 121735

Ion Ratio Lower Upper

92 100

91 167.5 135.8 203.6





#62

4-Bromofluorobenzene

Concen: 44.823 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008748.D

Acq: 19 Feb 2019 13:18

Instrument :

MSVOA_W

ClientSampleId :

SOIL-PILE

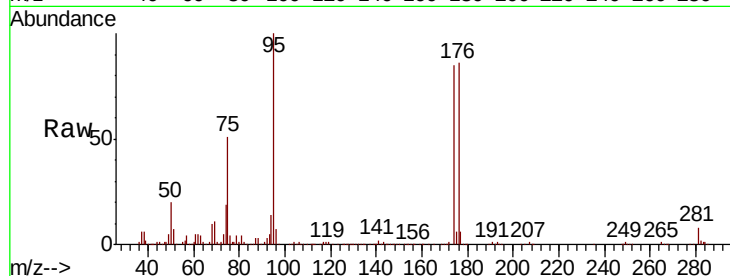
Tgt Ion: 95 Resp: 208774

Ion Ratio Lower Upper

95 100

174 86.1 0.0 163.2

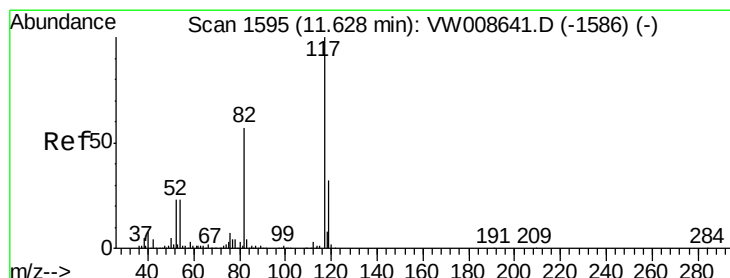
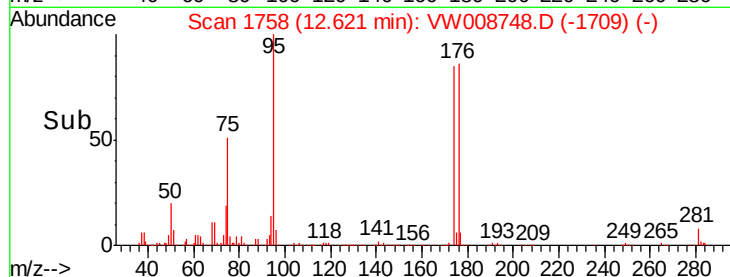
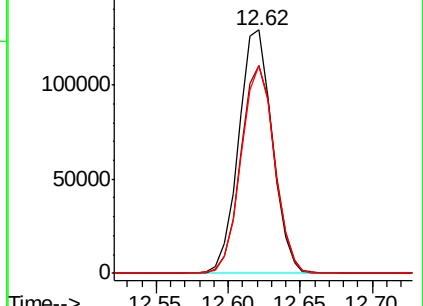
176 84.3 0.0 158.0



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# 1595

Delta R.T. -0.00 min

Lab File: VW008748.D

Acq: 19 Feb 2019 13:18

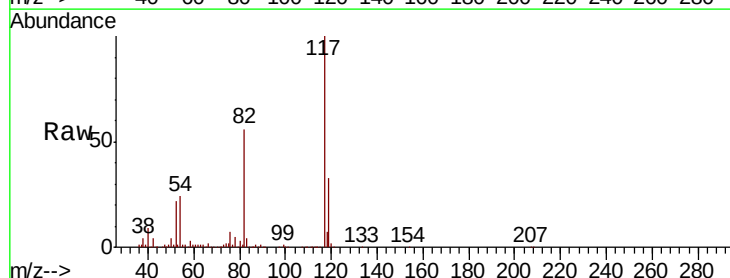
Tgt Ion: 117 Resp: 448869

Ion Ratio Lower Upper

117 100

82 56.4 45.6 68.4

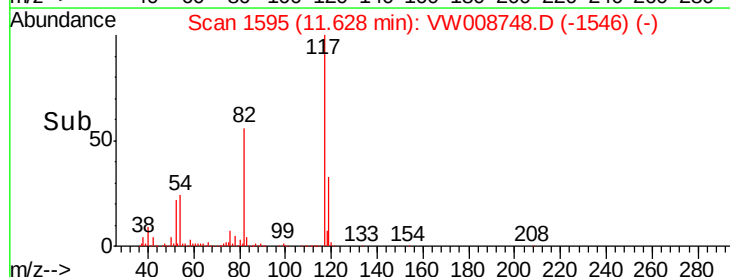
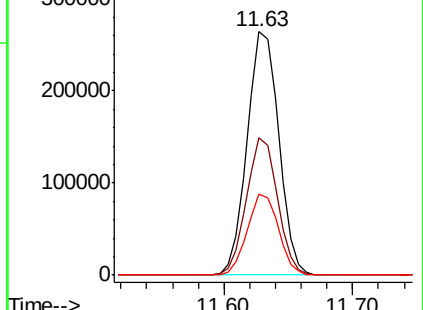
119 33.1 25.7 38.5

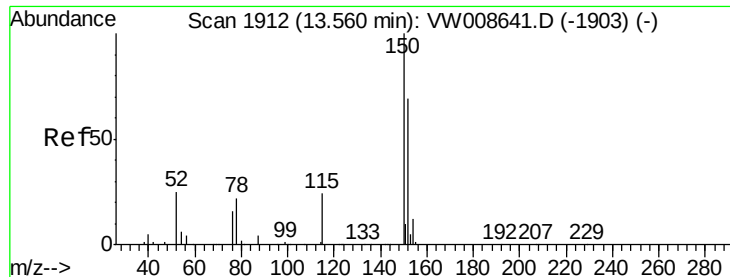


Abundance Ion 116.90 (116.60 to 117.60): VW

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. -0.00 min

Lab File: VW008748.D

Acq: 19 Feb 2019 13:18

Instrument :

MSVOA_W

ClientSampleId :

SOIL-PILE

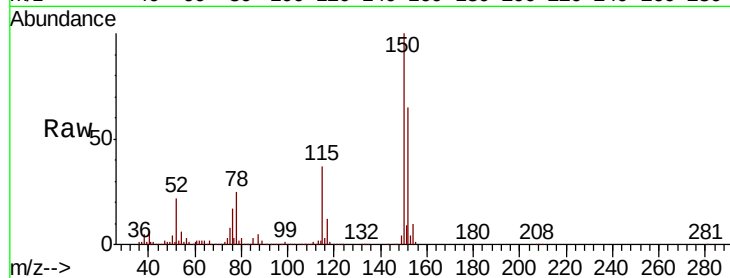
Tgt Ion: 152 Resp: 216760

Ion Ratio Lower Upper

152 100

115 58.7 29.3 87.8

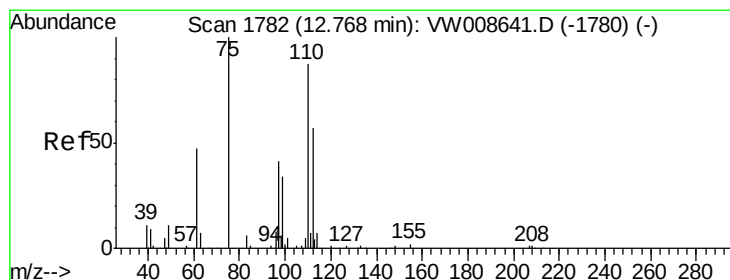
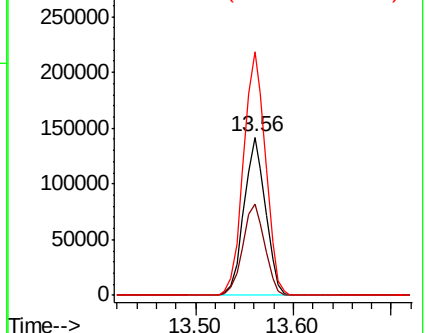
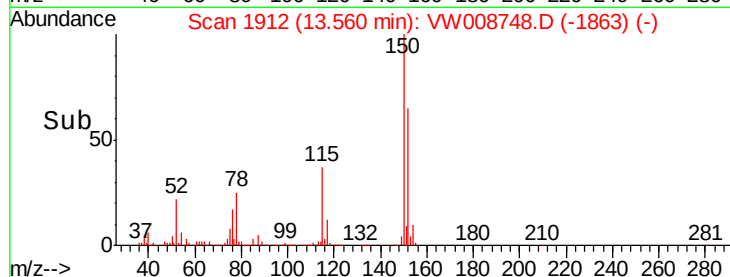
150 158.0 0.0 352.8



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: 51.675 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008748.D

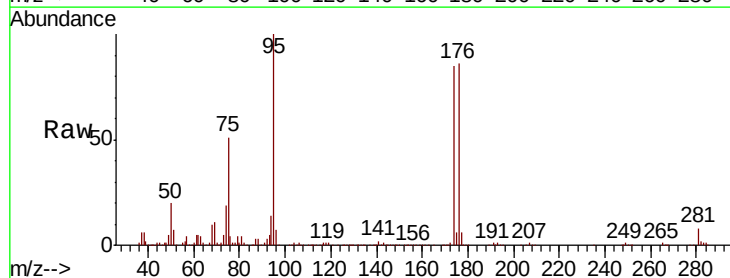
Acq: 19 Feb 2019 13:18

Tgt Ion: 75 Resp: 110604

Ion Ratio Lower Upper

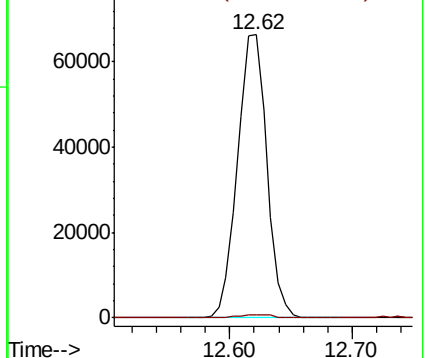
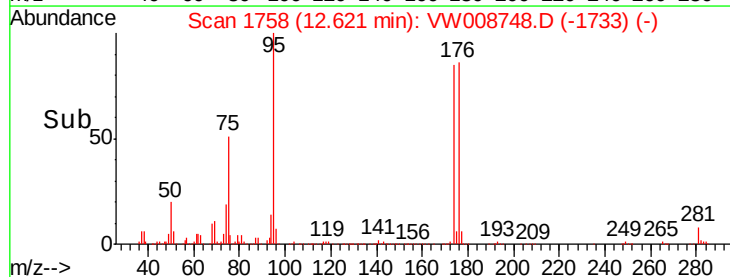
75 100

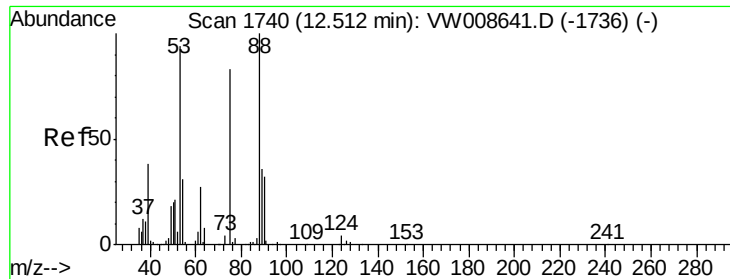
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

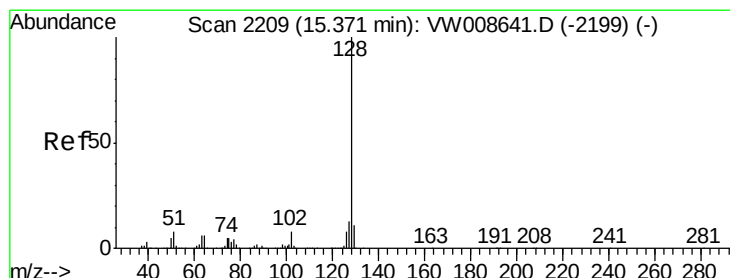
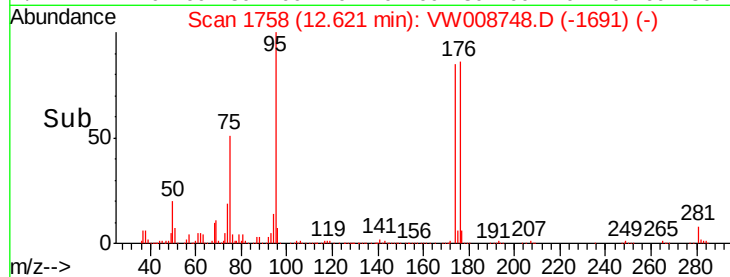
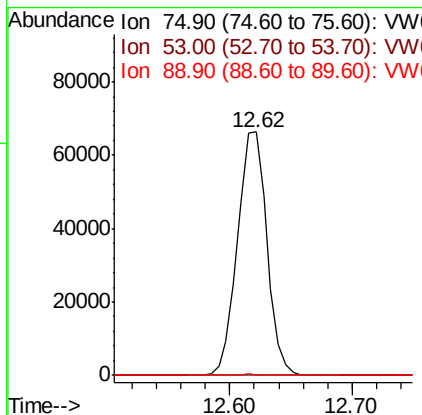
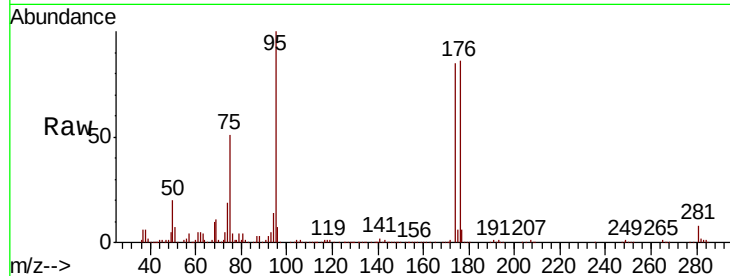




#81
trans-1,4-Dichloro-2-butene
Concen: 110.710 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.11 min
Lab File: VW008748.D
Acq: 19 Feb 2019 13:18

Instrument :
MSVOA_W
ClientSampleId :
SOIL-PILE

Tgt Ion: 75 Resp: 110604
Ion Ratio Lower Upper
75 100
53 0.0 87.4 131.0#
89 0.2 37.0 55.4#



#95
Naphthalene
Concen: 5.315 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW008748.D
Acq: 19 Feb 2019 13:18

Tgt Ion: 128 Resp: 45196
Ion Ratio Lower Upper
128 100
127 14.6 10.9 16.3
129 10.6 8.7 13.1

