

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW012819\
 Data File : VW008436.D
 Acq On : 28 Jan 2019 13:41
 Operator : SY/VA
 Sample : K1254-03RE
 Misc : 4.89G/5ML/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SOIL-2

Quant Time: Jan 29 04:14:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	442701	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	709282	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	639306	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	310879	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	225882	51.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.88%	
35) Dibromofluoromethane	7.88	113	218036	52.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.14%	
50) Toluene-d8	10.32	98	845499	50.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.68%	
62) 4-Bromofluorobenzene	12.62	95	313261	49.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.00%	

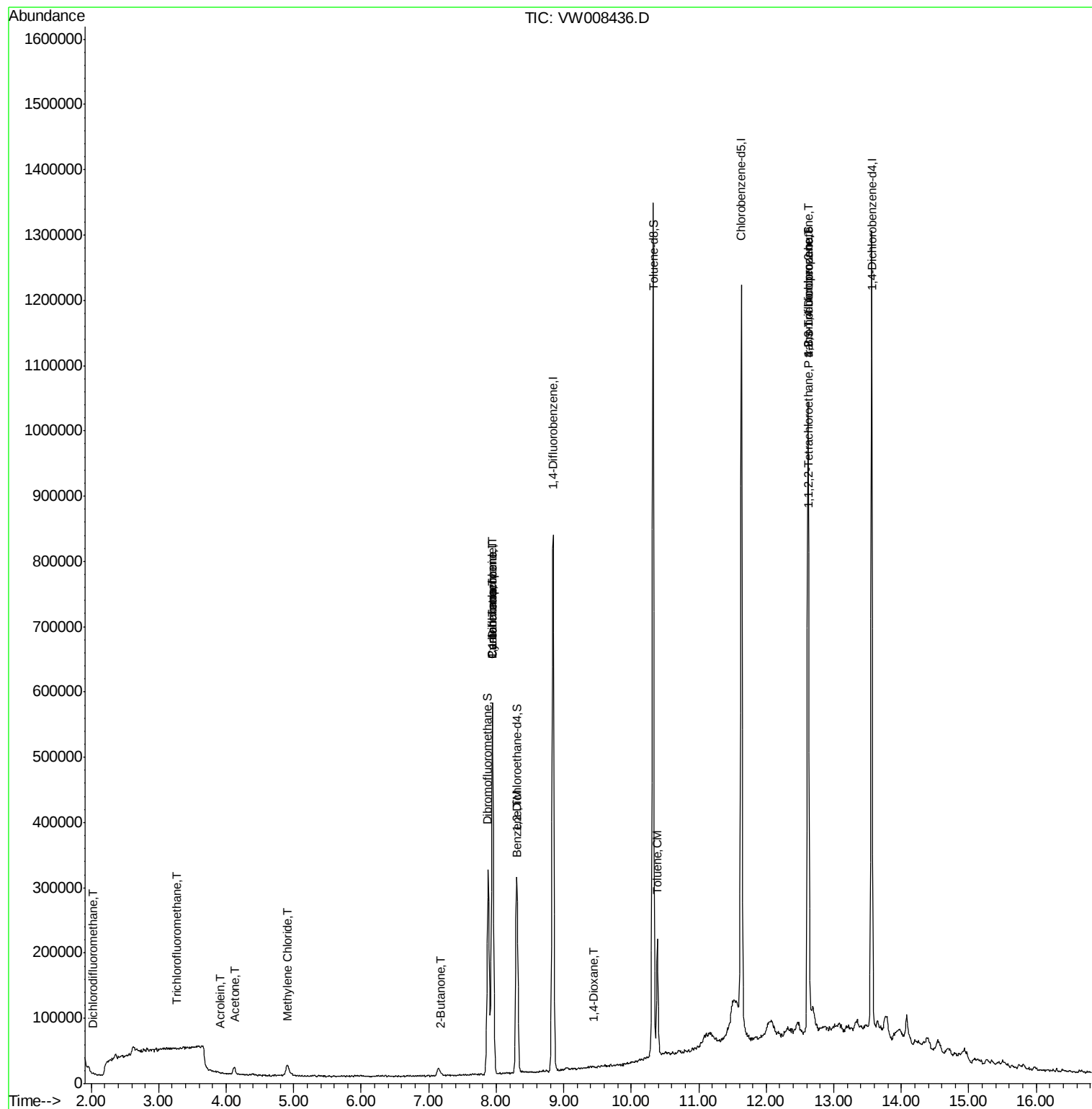
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.02	85	79	3.281	ug/l #	44
7) Trichlorofluoromethane	3.28	101	92	4.746	ug/l #	83
13) Acrolein	3.92	56	200	4.822	ug/l #	14
16) Acetone	4.12	43	19305	19.766	ug/l	99
20) Methylene Chloride	4.90	84	15791	3.508	ug/l	93
25) 2-Butanone	7.18	43	3553	2.619	ug/l	99
31) Cyclohexane	7.95	56	9229	1.081	ug/l #	15
36) 1,1-Dichloropropene	7.94	75	30819	4.600	ug/l #	53
38) Carbon Tetrachloride	7.95	117	42117	6.247	ug/l #	17
40) Benzene	8.32	78	21745	1.170	ug/l	97
49) 1,4-Dioxane	9.44	88	94	2.332	ug/l #	1
52) Toluene	10.39	92	77003	6.274	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.63	83	3820	1.041	ug/l #	25
76) 1,2,3-Trichloropropane	12.62	75	156934	58.062	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	156934	114.677	ug/l #	12

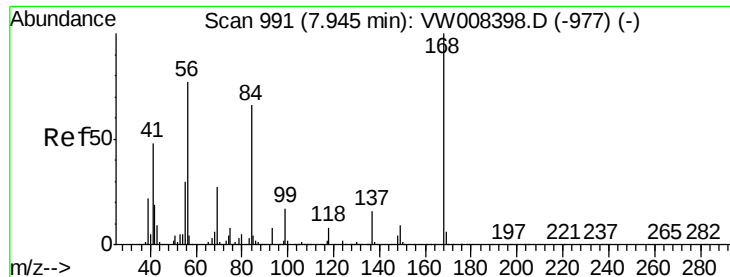
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW012819\
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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: VW008436.D

Acq: 28 Jan 2019 13:41

Instrument :

MSVOA_W

ClientSampled :

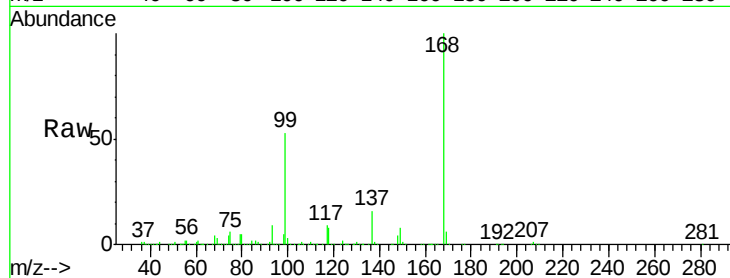
SOIL-2

Tgt Ion: 168 Resp: 442701

Ion Ratio Lower Upper

168 100

99 53.1 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

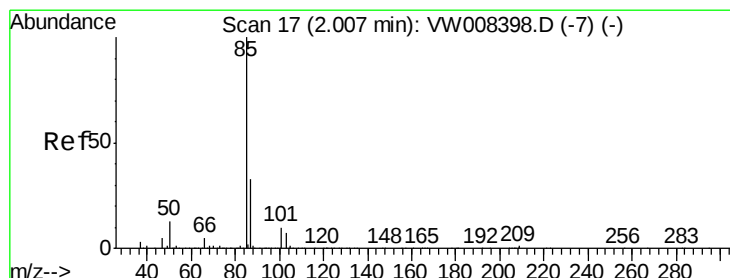
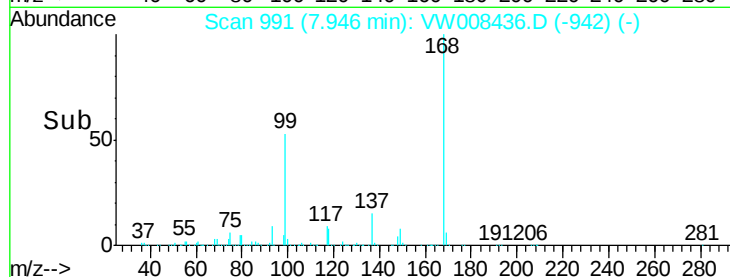
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 3.281 ug/l

RT: 2.02 min Scan# 19

Delta R.T. 0.01 min

Lab File: VW008436.D

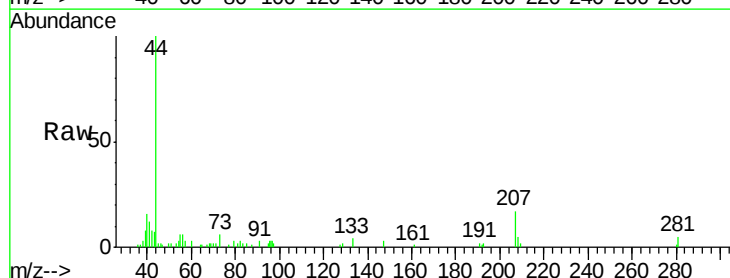
Acq: 28 Jan 2019 13:41

Tgt Ion: 85 Resp: 79

Ion Ratio Lower Upper

85 100

87 65.5 16.7 50.1#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.02

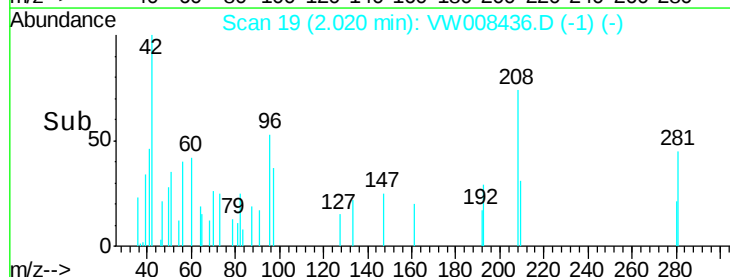
150

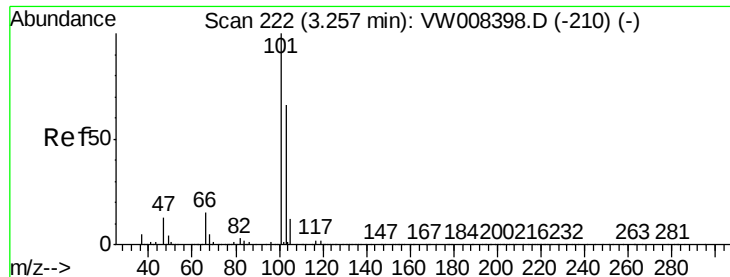
100

50

0

Time-->



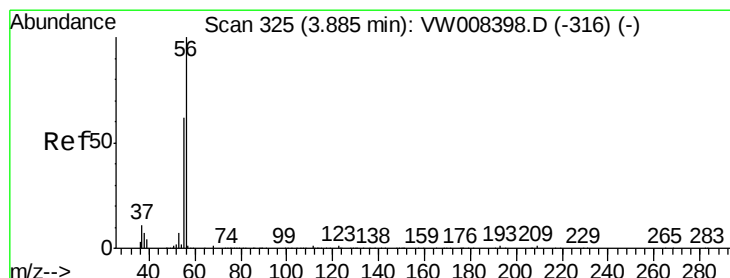
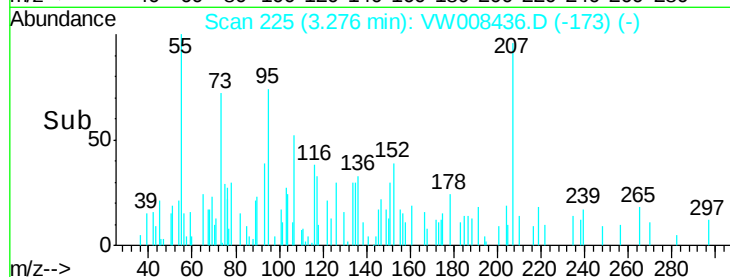
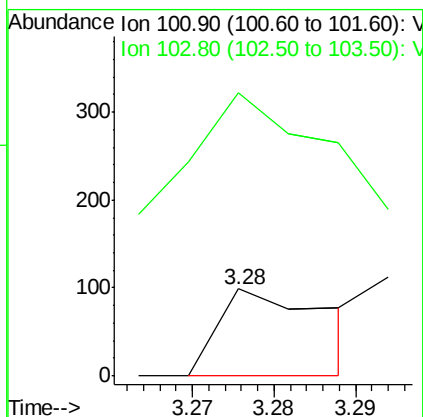
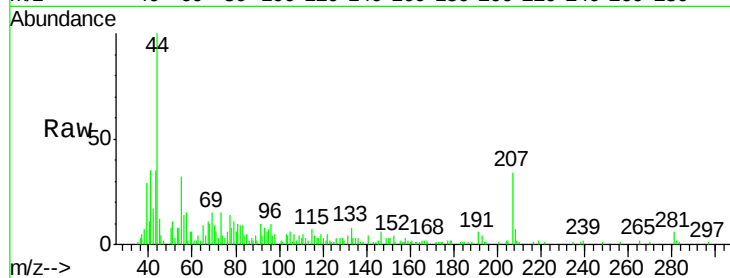


#7

Trichlorofluoromethane
 Concen: 4.746 ug/l
 RT: 3.28 min Scan# 225
 Delta R.T. 0.02 min
 Lab File: VW008436.D
 Acq: 28 Jan 2019 13:41

Instrument :
 MSVOA_W
 ClientSampled :
 SOIL-2

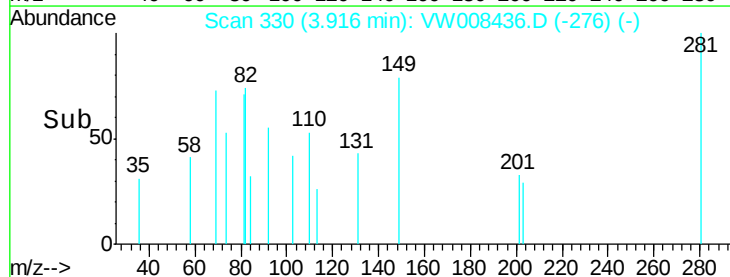
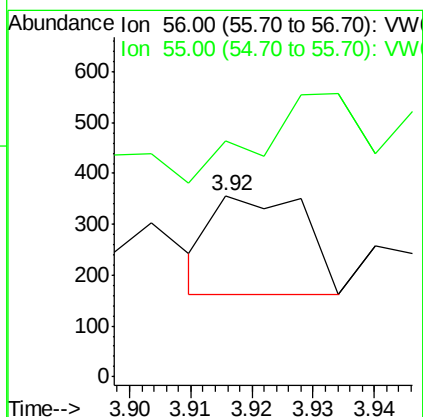
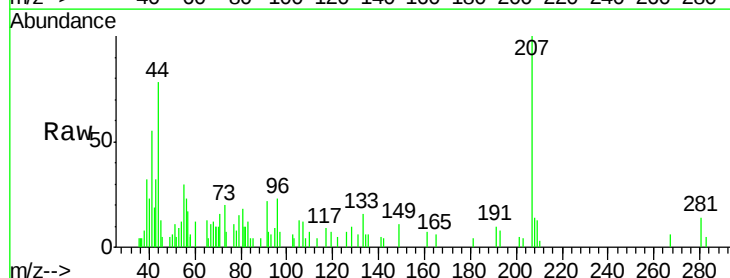
Tgt Ion: 101 Resp: 92
 Ion Ratio Lower Upper
 101 100
 103 78.8 52.5 78.7#

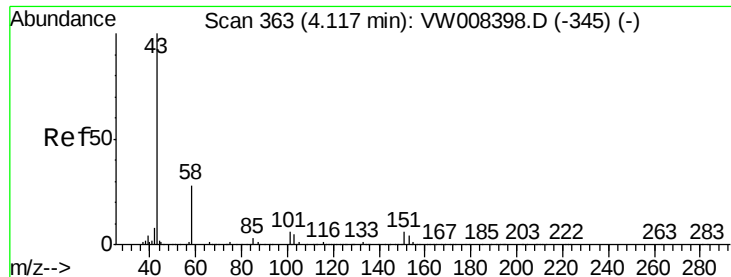


#13

Acrolein
 Concen: 4.822 ug/l
 RT: 3.92 min Scan# 330
 Delta R.T. 0.03 min
 Lab File: VW008436.D
 Acq: 28 Jan 2019 13:41

Tgt Ion: 56 Resp: 200
 Ion Ratio Lower Upper
 56 100
 55 0.0 56.7 85.1#

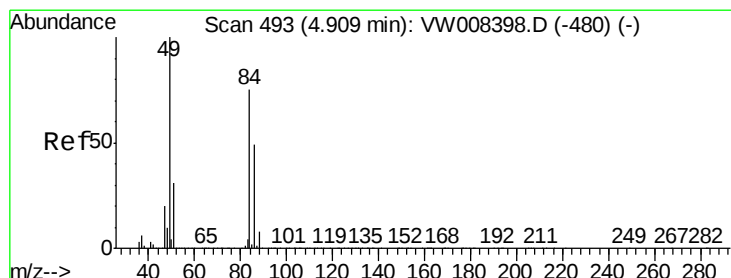
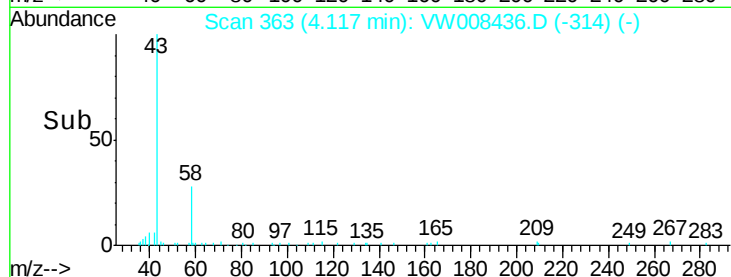
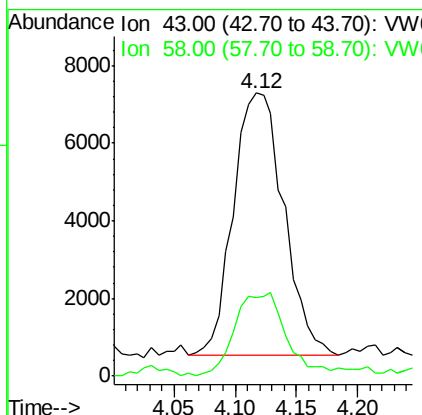
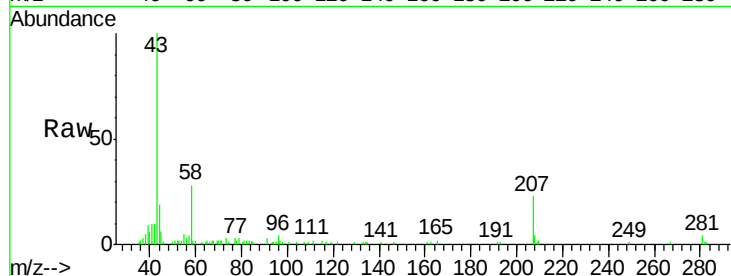




#16
Acetone
Concen: 19.766 ug/l
RT: 4.12 min Scan# 363
Delta R.T. 0.00 min
Lab File: VW008436.D
Acq: 28 Jan 2019 13:41

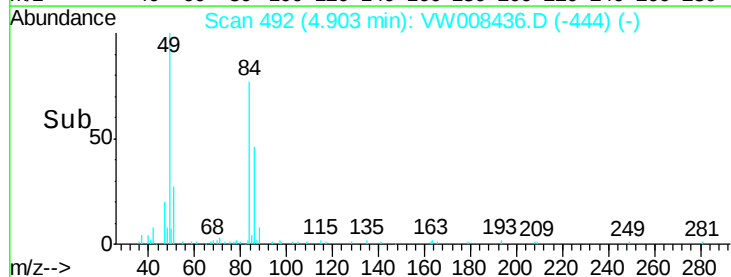
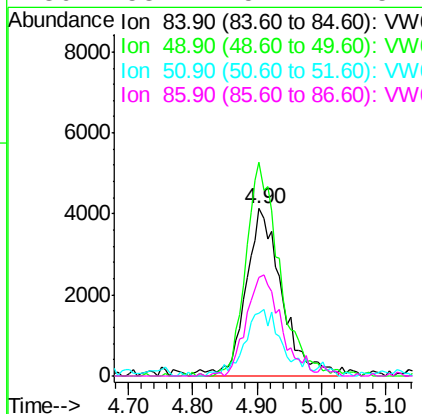
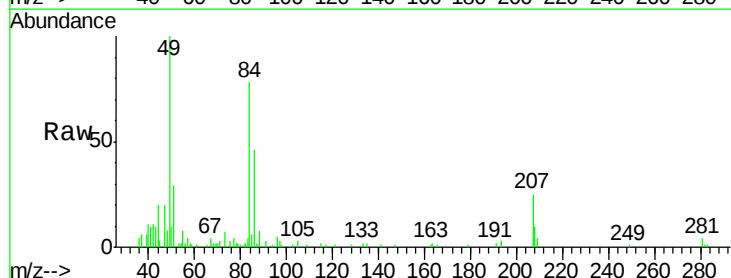
Instrument :
MSVOA_W
ClientSampleId :
SOIL-2

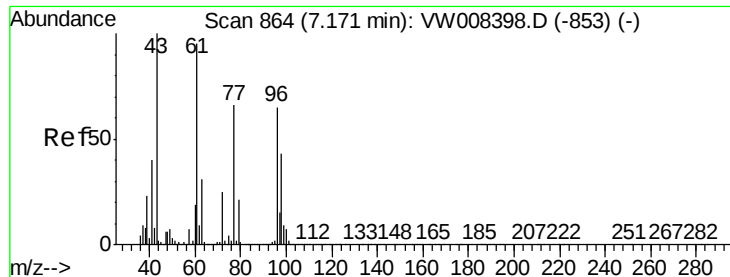
Tgt Ion: 43 Resp: 19305
Ion Ratio Lower Upper
43 100
58 28.9 22.6 34.0



#20
Methylene Chloride
Concen: 3.508 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW008436.D
Acq: 28 Jan 2019 13:41

Tgt Ion: 84 Resp: 15791
Ion Ratio Lower Upper
84 100
49 126.3 106.8 160.2
51 37.5 32.9 49.3
86 58.7 52.2 78.2

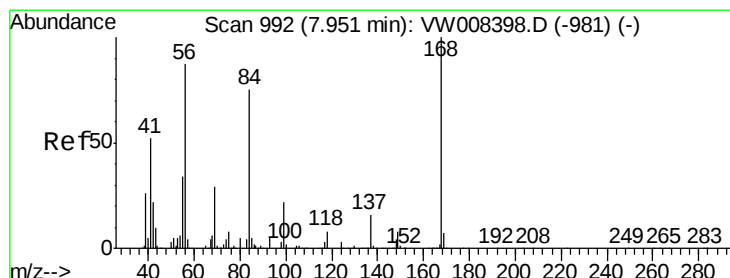
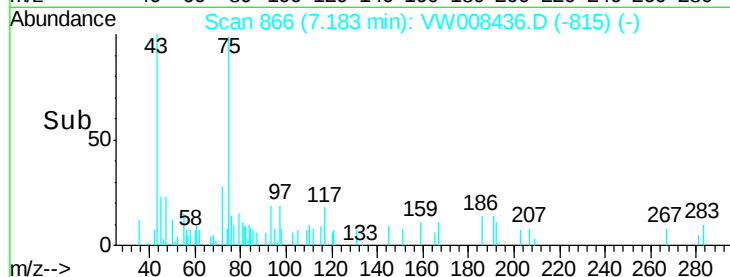
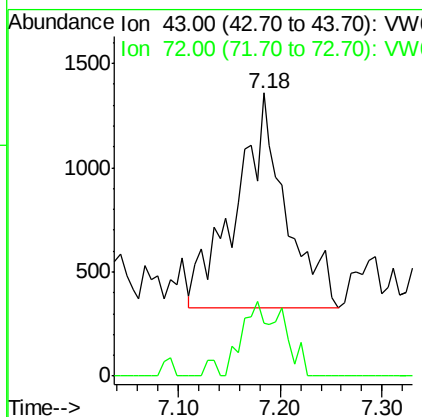
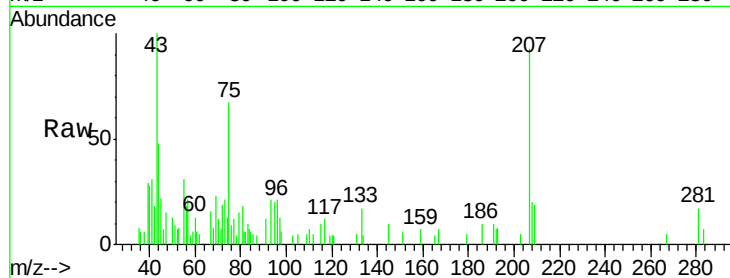




#25
2-Butanone
Concen: 2.619 ug/l
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW008436.D
Acq: 28 Jan 2019 13:41

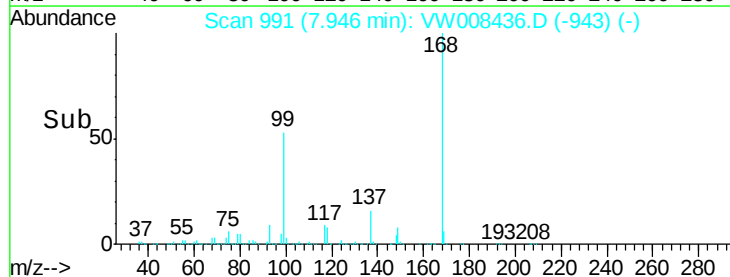
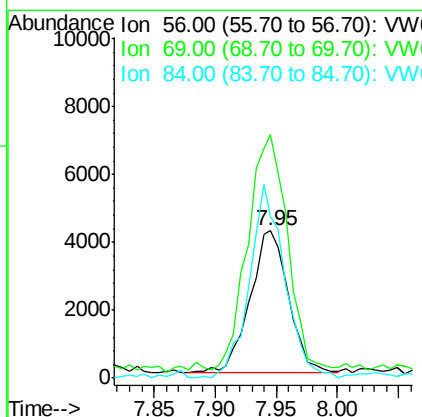
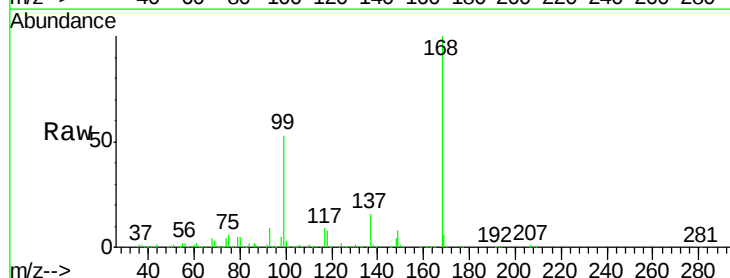
Instrument :
MSVOA_W
ClientSampled :
SOIL-2

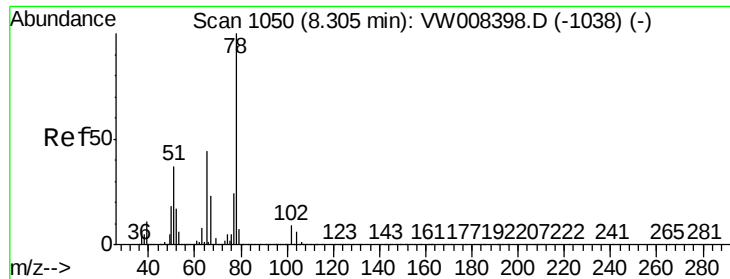
Tgt Ion: 43 Resp: 3553
Ion Ratio Lower Upper
43 100
72 24.8 20.1 30.1



#31
Cyclohexane
Concen: 1.081 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008436.D
Acq: 28 Jan 2019 13:41

Tgt Ion: 56 Resp: 9229
Ion Ratio Lower Upper
56 100
69 164.2 26.4 39.6#
84 113.5 69.1 103.7#

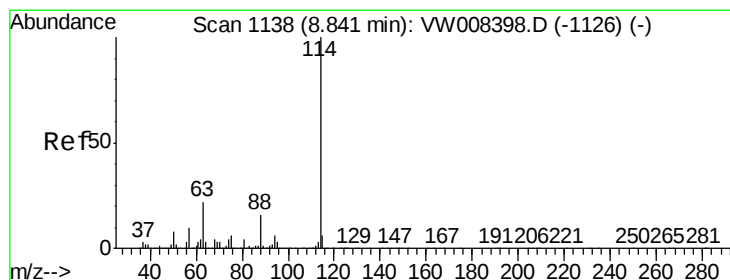
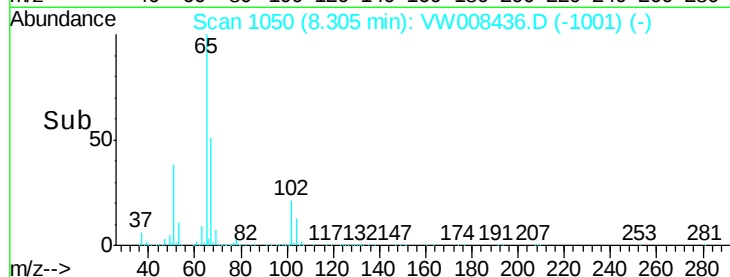
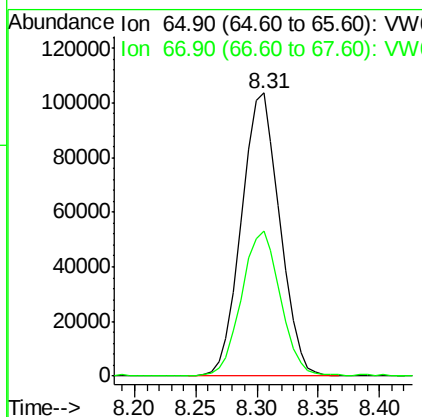
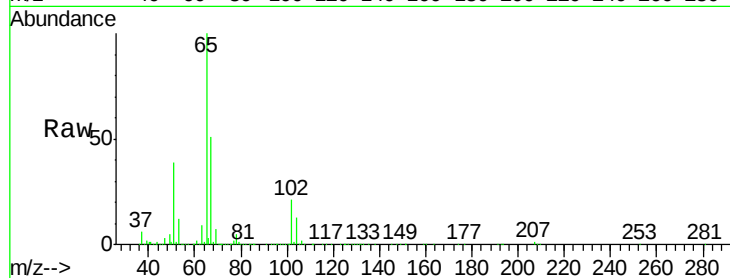




#33
 1,2-Dichloroethane-d4
 Concen: 51.937 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008436.D
 Acq: 28 Jan 2019 13:41

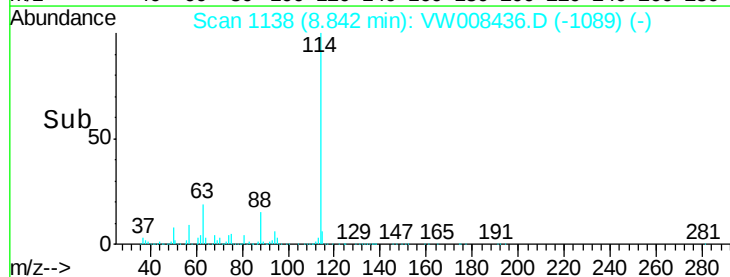
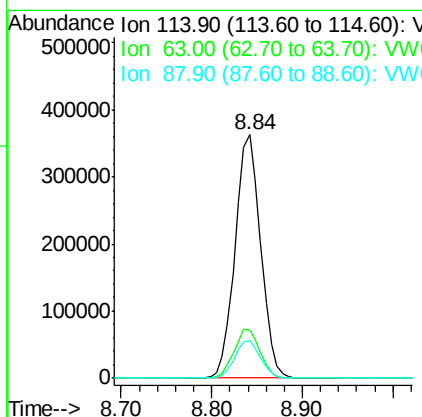
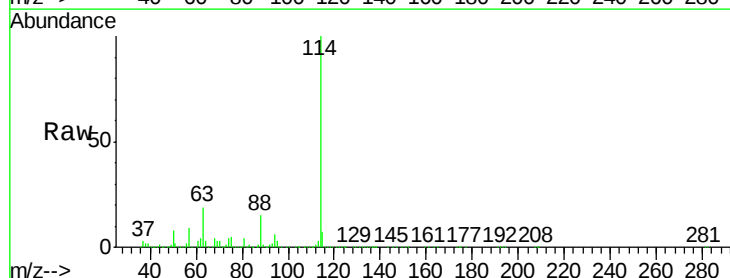
Instrument :
 MSVOA_W
 ClientSampleId :
 SOIL-2

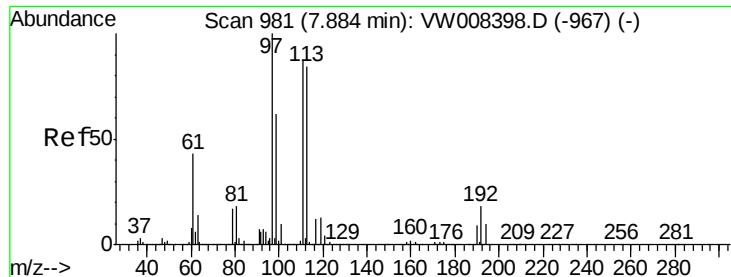
Tgt Ion: 65 Resp: 225882
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008436.D
 Acq: 28 Jan 2019 13:41

Tgt Ion: 114 Resp: 709282
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 43.6
 88 15.4 0.0 31.8





#35

Dibromofluoromethane

Concen: 52.572 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW008436.D

Acq: 28 Jan 2019 13:41

Instrument :

MSVOA_W

ClientSampled :

SOIL-2

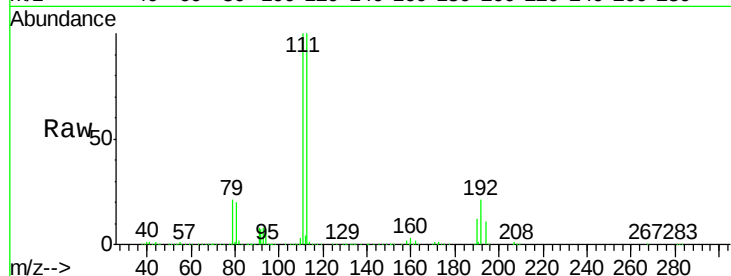
Tgt Ion:113 Resp: 218036

Ion Ratio Lower Upper

113 100

111 103.4 81.0 121.4

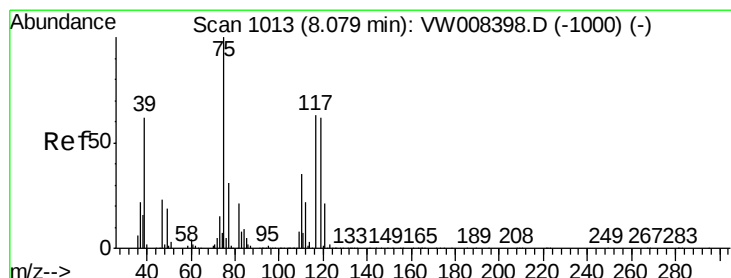
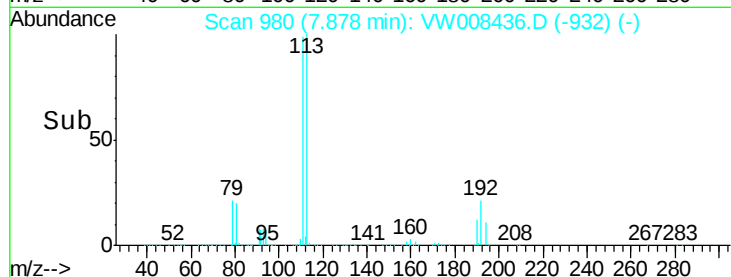
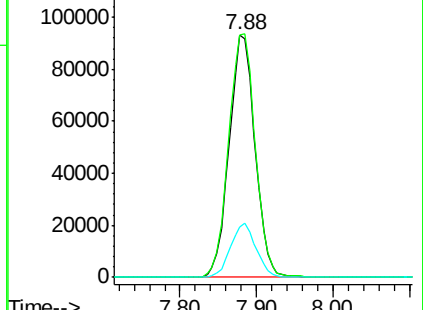
192 22.0 16.8 25.2



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: 4.600 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW008436.D

Acq: 28 Jan 2019 13:41

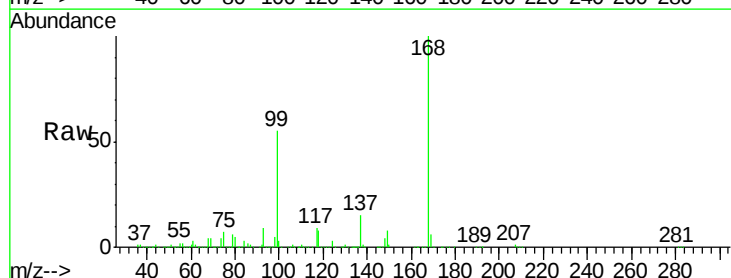
Tgt Ion: 75 Resp: 30819

Ion Ratio Lower Upper

75 100

110 12.0 17.3 52.0#

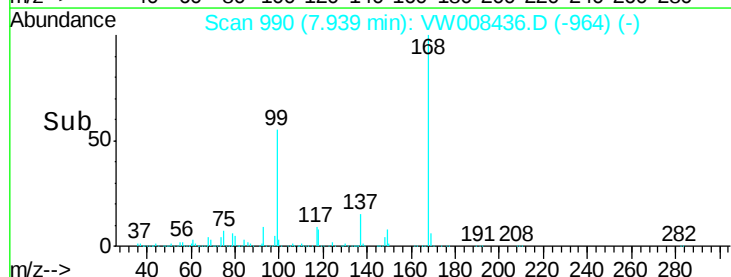
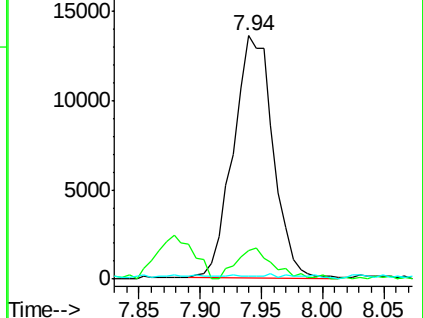
77 0.0 24.7 37.1#

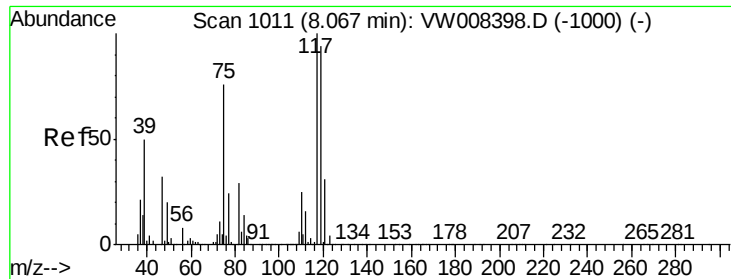


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

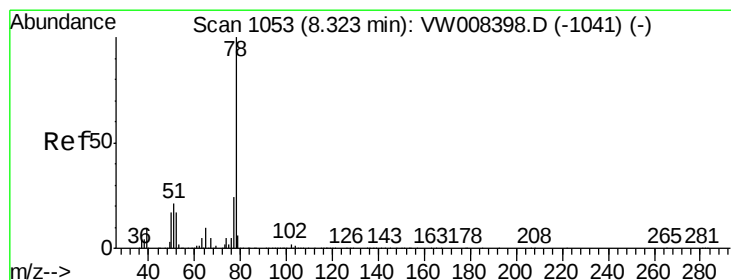
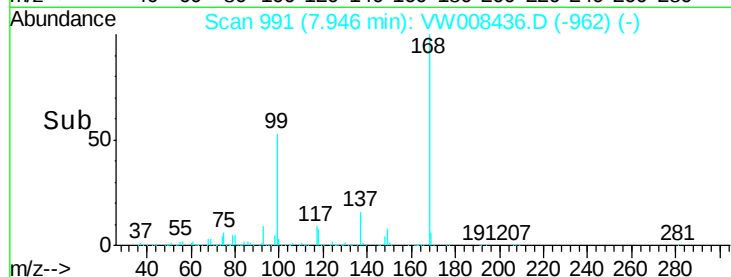
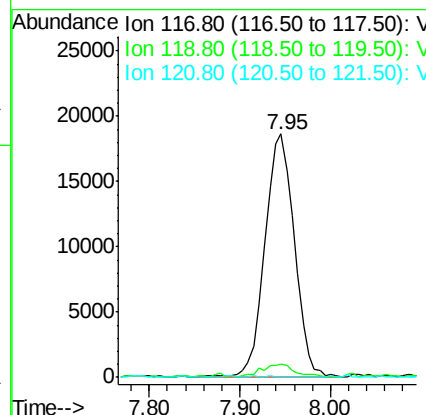
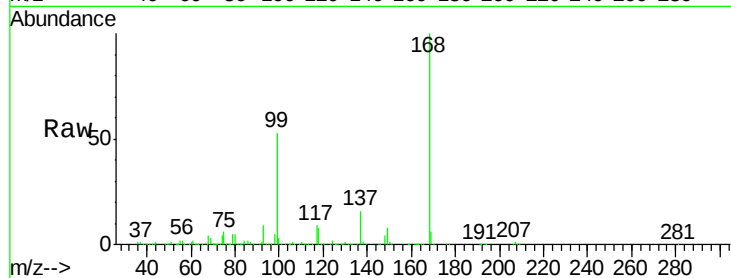




#38
Carbon Tetrachloride
Concen: 6.247 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW008436.D
Acq: 28 Jan 2019 13:41

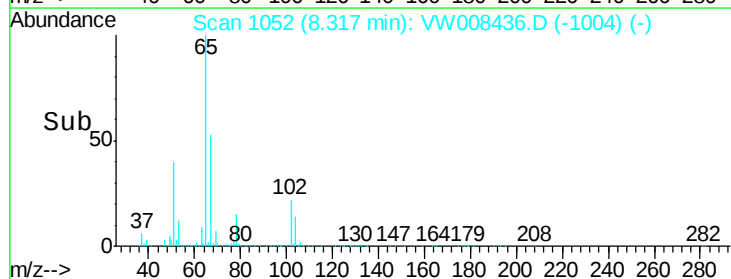
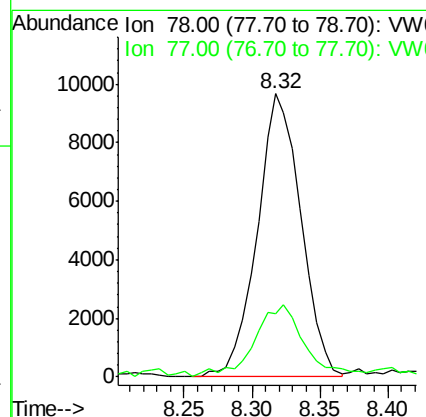
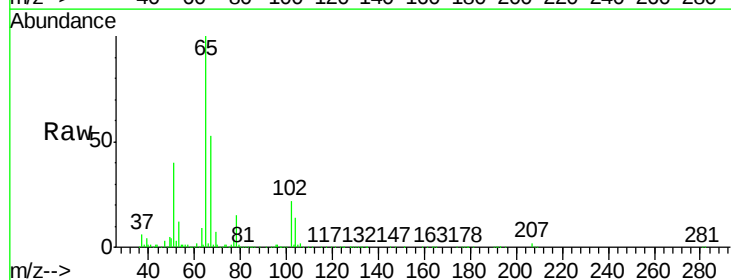
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SOIL-2

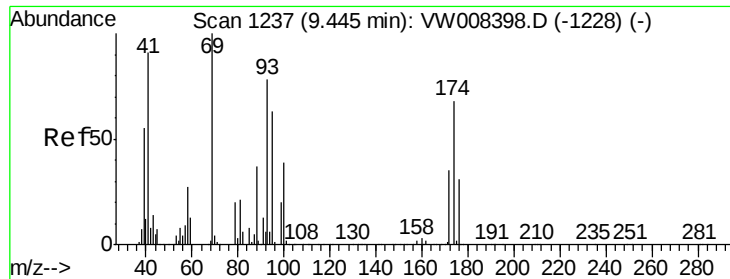
Tgt Ion:117 Resp: 42117
Ion Ratio Lower Upper
117 100
119 5.5 75.0 112.4#
121 0.0 24.9 37.3#



#40
Benzene
Concen: 1.170 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW008436.D
Acq: 28 Jan 2019 13:41

Tgt Ion: 78 Resp: 21745
Ion Ratio Lower Upper
78 100
77 22.4 19.0 28.6

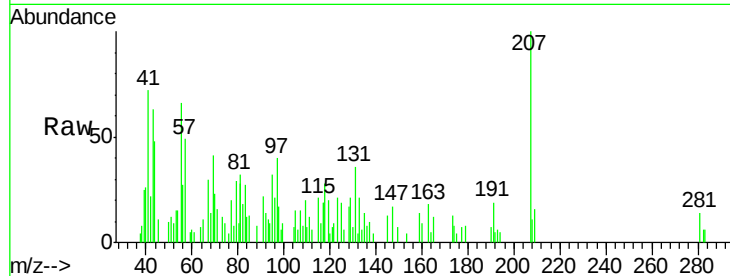




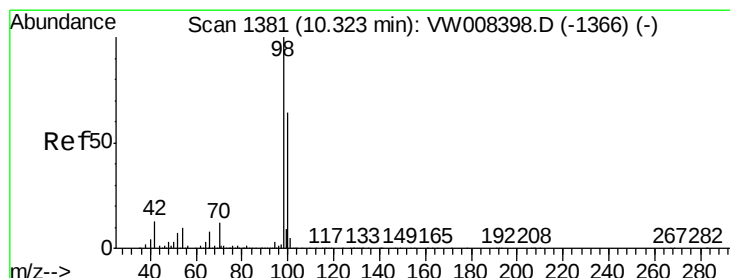
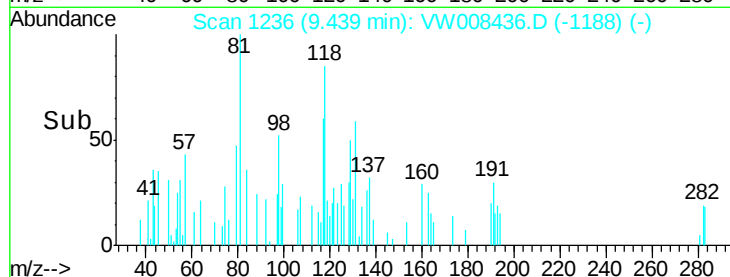
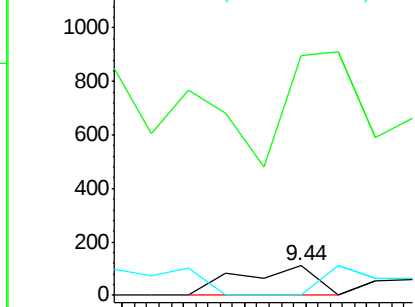
#49
1,4-Dioxane
Concen: 2.332 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.01 min
Lab File: VW008436.D
Acq: 28 Jan 2019 13:41

Instrument :
MSVOA_W
ClientSampled :
SOIL-2

Tgt Ion: 88 Resp: 94
Ion Ratio Lower Upper
88 100
43 444.7 29.0 43.4#
58 92.6 56.4 84.6#

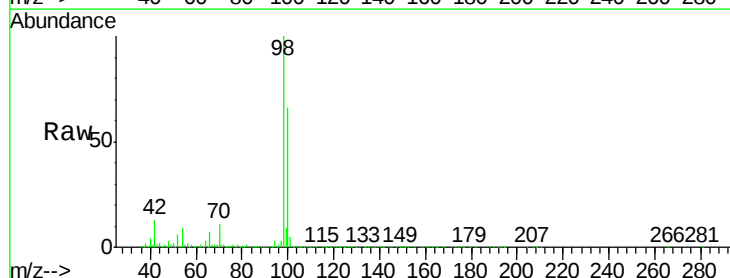


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

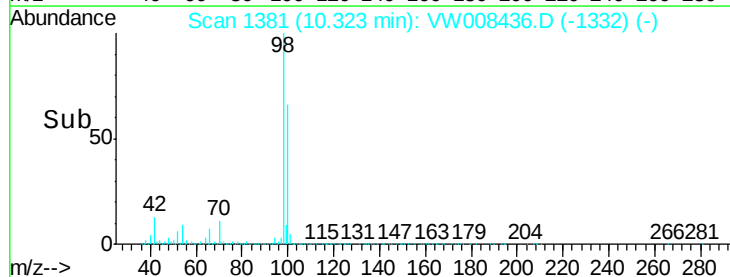
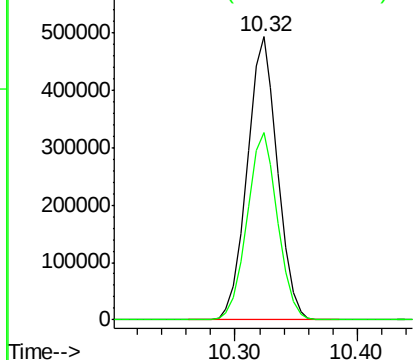


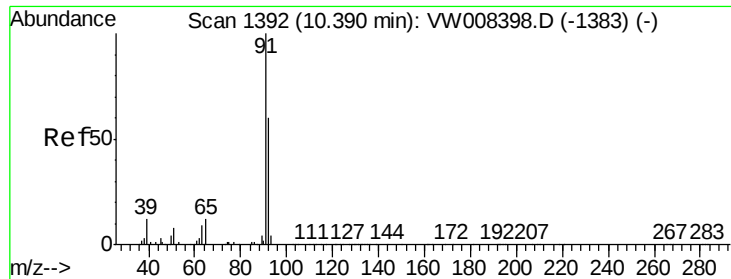
#50
Toluene-d8
Concen: 50.838 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008436.D
Acq: 28 Jan 2019 13:41

Tgt Ion: 98 Resp: 845499
Ion Ratio Lower Upper
98 100
100 66.6 52.6 78.8



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





#52

Toluene

Concen: 6.274 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW008436.D

Acq: 28 Jan 2019 13:41

Instrument :

MSVOA_W

ClientSampled :

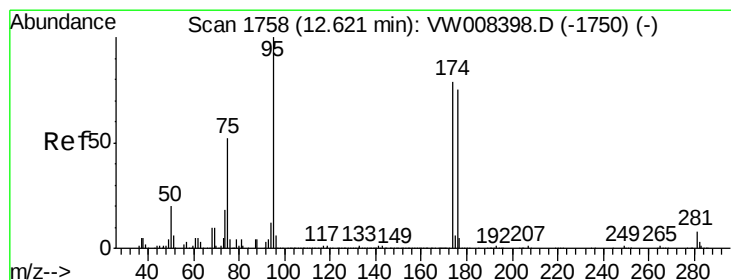
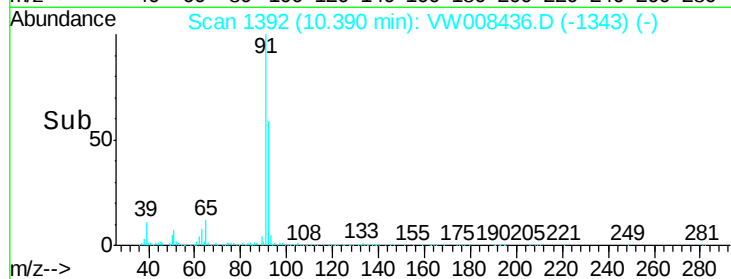
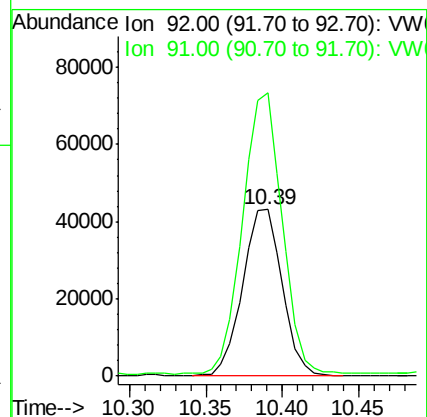
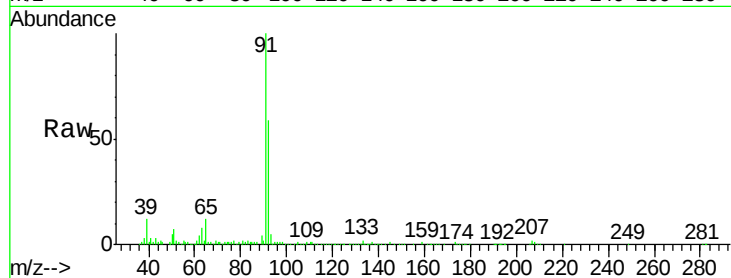
SOIL-2

Tgt Ion: 92 Resp: 77003

Ion Ratio Lower Upper

92 100

91 168.6 135.5 203.3



#62

4-Bromofluorobenzene

Concen: 49.002 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008436.D

Acq: 28 Jan 2019 13:41

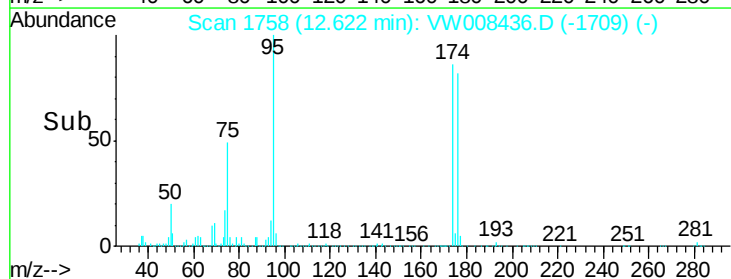
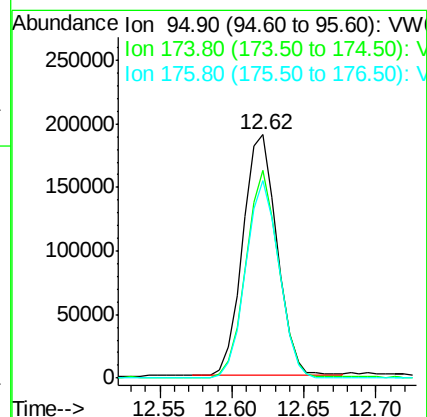
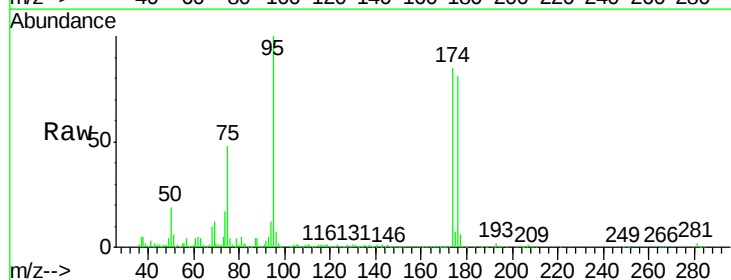
Tgt Ion: 95 Resp: 313261

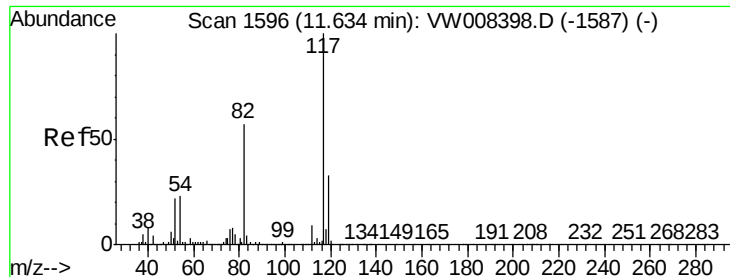
Ion Ratio Lower Upper

95 100

174 81.7 0.0 157.6

176 79.3 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW008436.D

Acq: 28 Jan 2019 13:41

Instrument :

MSVOA_W

ClientSampleId :

SOIL-2

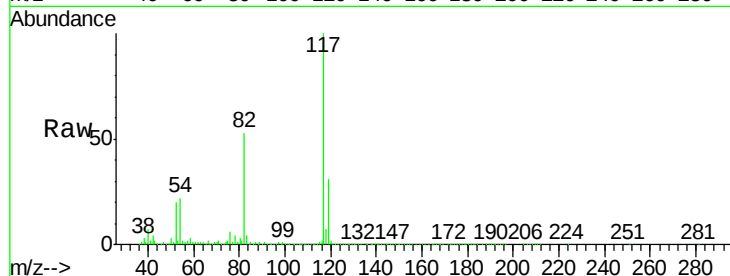
Tgt Ion:117 Resp: 639306

Ion Ratio Lower Upper

117 100

82 53.0 45.4 68.0

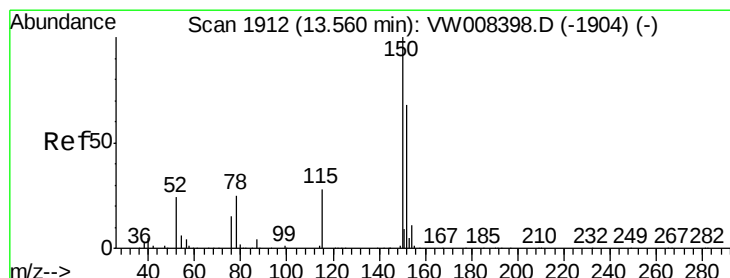
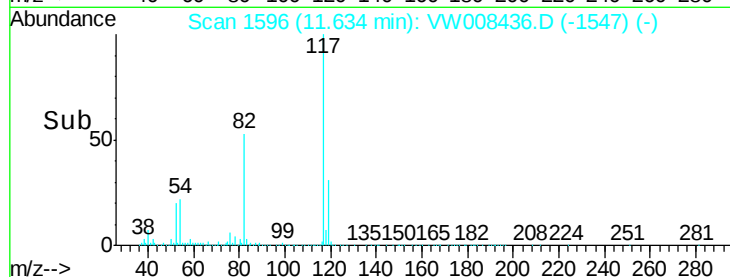
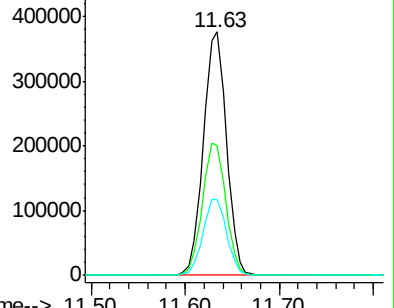
119 31.3 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008436.D

Acq: 28 Jan 2019 13:41

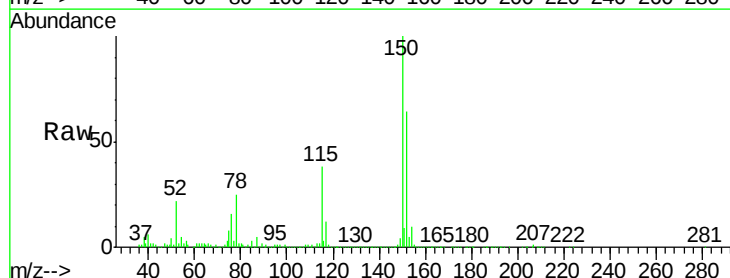
Tgt Ion:152 Resp: 310879

Ion Ratio Lower Upper

152 100

115 57.6 29.9 89.7

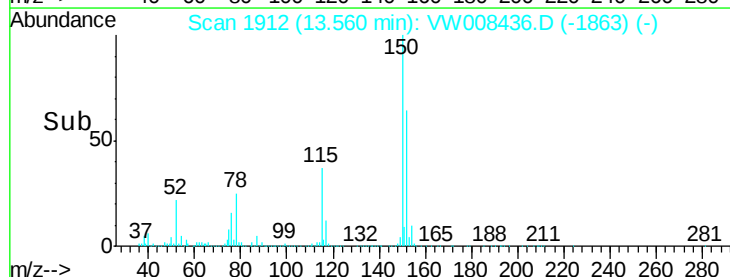
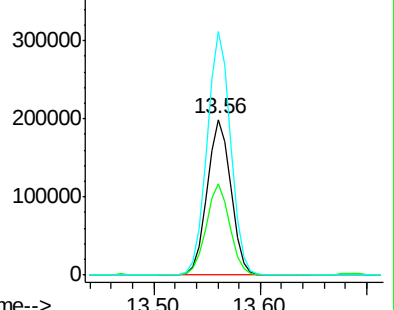
150 155.5 0.0 351.4

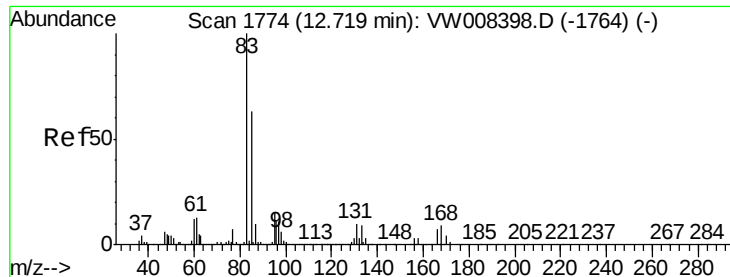


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#75

1,1,2,2-Tetrachloroethane

Concen: 1.041 ug/l

RT: 12.63 min Scan# 1760

Delta R.T. -0.09 min

Lab File: VW008436.D

Acq: 28 Jan 2019 13:41

Instrument :

MSVOA_W

ClientSampled :

SOIL-2

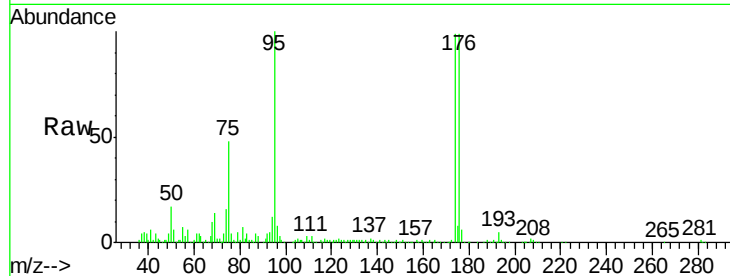
Tgt Ion: 83 Resp: 3820

Ion Ratio Lower Upper

83 100

131 23.4 5.5 16.4#

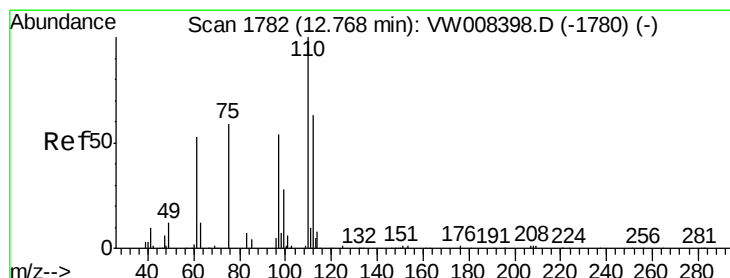
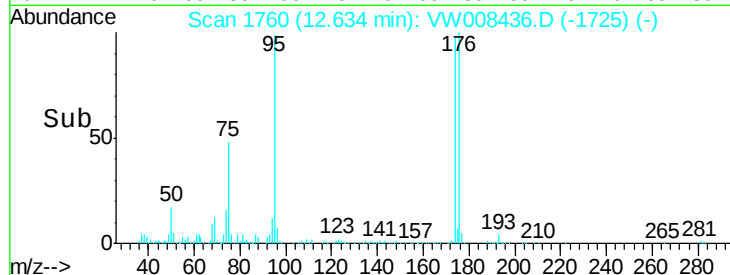
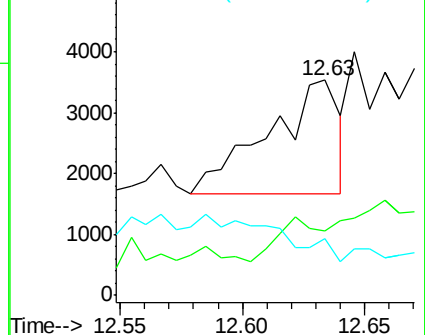
85 0.0 31.9 95.5#



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 58.062 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008436.D

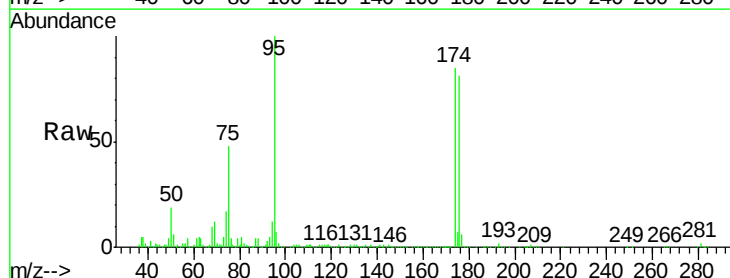
Acq: 28 Jan 2019 13:41

Tgt Ion: 75 Resp: 156934

Ion Ratio Lower Upper

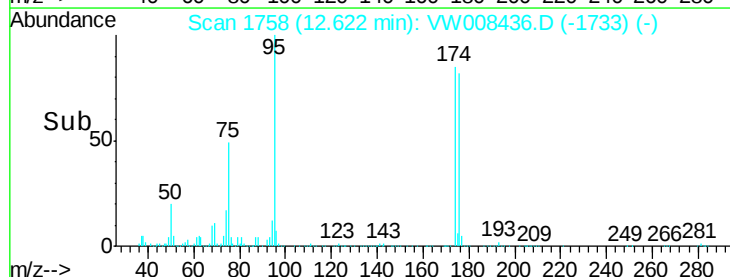
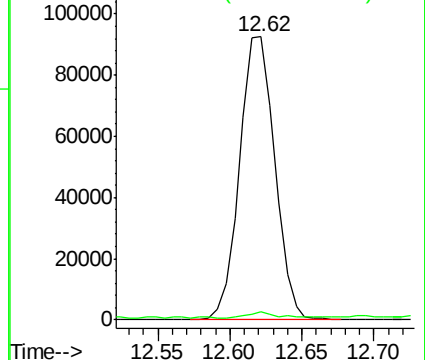
75 100

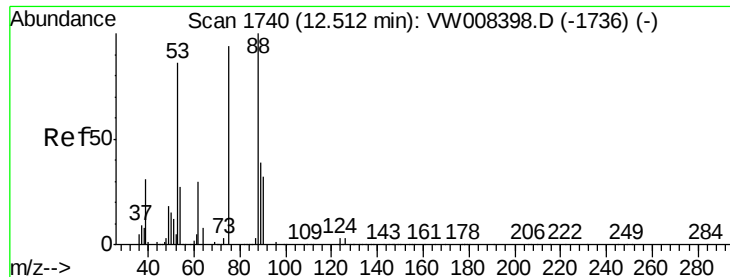
77 1.6 180.7 542.1#



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: 114.677 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008436.D

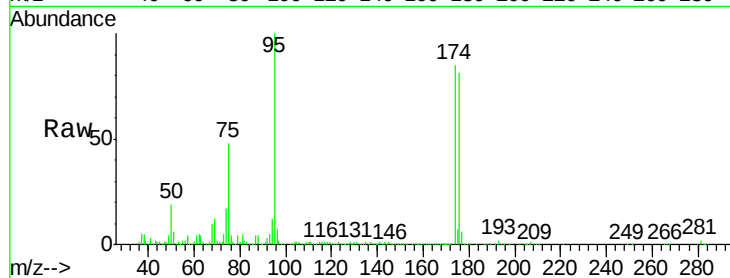
Acq: 28 Jan 2019 13:41

Instrument :

MSVOA_W

ClientSampleId :

SOIL-2



Tgt Ion:	75	Resp:	156934
Ion	Ratio	Lower	Upper
75	100		
53	0.0	76.0	114.0#
89	0.1	35.4	53.0#

