

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081619\
 Data File : VW011948.D
 Acq On : 16 Aug 2019 00:46
 Operator : SY/VA
 Sample : K4372-01
 Misc : 4.25G/5ML/MSVOA_W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SOIL-COMPOSITE

Quant Time: Aug 16 04:37:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	165849	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	268749	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	174682	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	46569	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	108300	56.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.74%	
35) Dibromofluoromethane	7.88	113	84238	55.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.74%	
50) Toluene-d8	10.32	98	306090	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	
62) 4-Bromofluorobenzene	12.62	95	81443	37.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.02%	

Target Compounds

						Qvalue
8) Diethyl Ether	3.68	74	3707	3.791	ug/l	70
11) Tert butyl alcohol	5.21	59	3390	6.772	ug/l #	90
13) Acrolein	3.85	56	648	4.742	ug/l #	1
14) Allyl chloride	4.78	41	8020	2.183	ug/l #	1
16) Acetone	4.13	43	89134	147.137	ug/l	96
17) Carbon Disulfide	4.39	76	10361	1.917	ug/l	95
18) Methyl Acetate	4.68	43	2726	2.003	ug/l #	90
20) Methylene Chloride	4.91	84	27639	13.229	ug/l	97
25) 2-Butanone	7.18	43	13030	16.438	ug/l	96
28) Bromochloromethane	7.70	49	3729	2.265	ug/l #	23
29) Tetrahydrofuran	7.54	42	5449	12.026	ug/l	98
30) Chloroform	7.70	83	11855	3.464	ug/l #	20
31) Cyclohexane	7.96	56	46429	13.039	ug/l #	89
36) 1,1-Dichloropropene	7.95	75	14328	5.127	ug/l #	56
37) Ethyl Acetate	7.18	43	13030	8.104	ug/l #	80
38) Carbon Tetrachloride	7.95	117	16735	6.995	ug/l #	16
39) Methylcyclohexane	9.34	83	5411	1.758	ug/l #	83
40) Benzene	8.32	78	16236	2.074	ug/l	94
41) Methacrylonitrile	7.54	41	3546	3.690	ug/l #	28
49) 1,4-Dioxane	9.47	88	823	59.461	ug/l #	78
52) Toluene	10.39	92	77609	16.418	ug/l	99
55) 1,1,2-Trichloroethane	10.76	97	2879	2.123	ug/l #	19
58) 2-Chloroethyl Vinyl ether	9.91	63	2067	2.294	ug/l #	66
59) 2-Hexanone	11.11	43	1193	1.099	ug/l	82
65) Chlorobenzene	11.66	112	207086	58.966	ug/l	99
67) Ethyl Benzene	11.73	91	174026	26.018	ug/l	99
68) m/p-Xylenes	11.83	106	15438	6.347	ug/l	93
69) o-Xylene	12.16	106	13667	6.046	ug/l	95
73) Isopropylbenzene	12.46	105	495166	142.528	ug/l	100
74) N-amyl acetate	12.25	43	30036	27.615	ug/l #	66
75) 1,1,2,2-Tetrachloroethane	12.78	83	6532	9.996	ug/l #	38
76) 1,2,3-Trichloropropane	12.90	75	14228	28.874	ug/l #	100
78) n-propylbenzene	12.80	91	60594	14.331	ug/l #	54
79) 2-Chlorotoluene	12.90	91	198408	81.455	ug/l #	46

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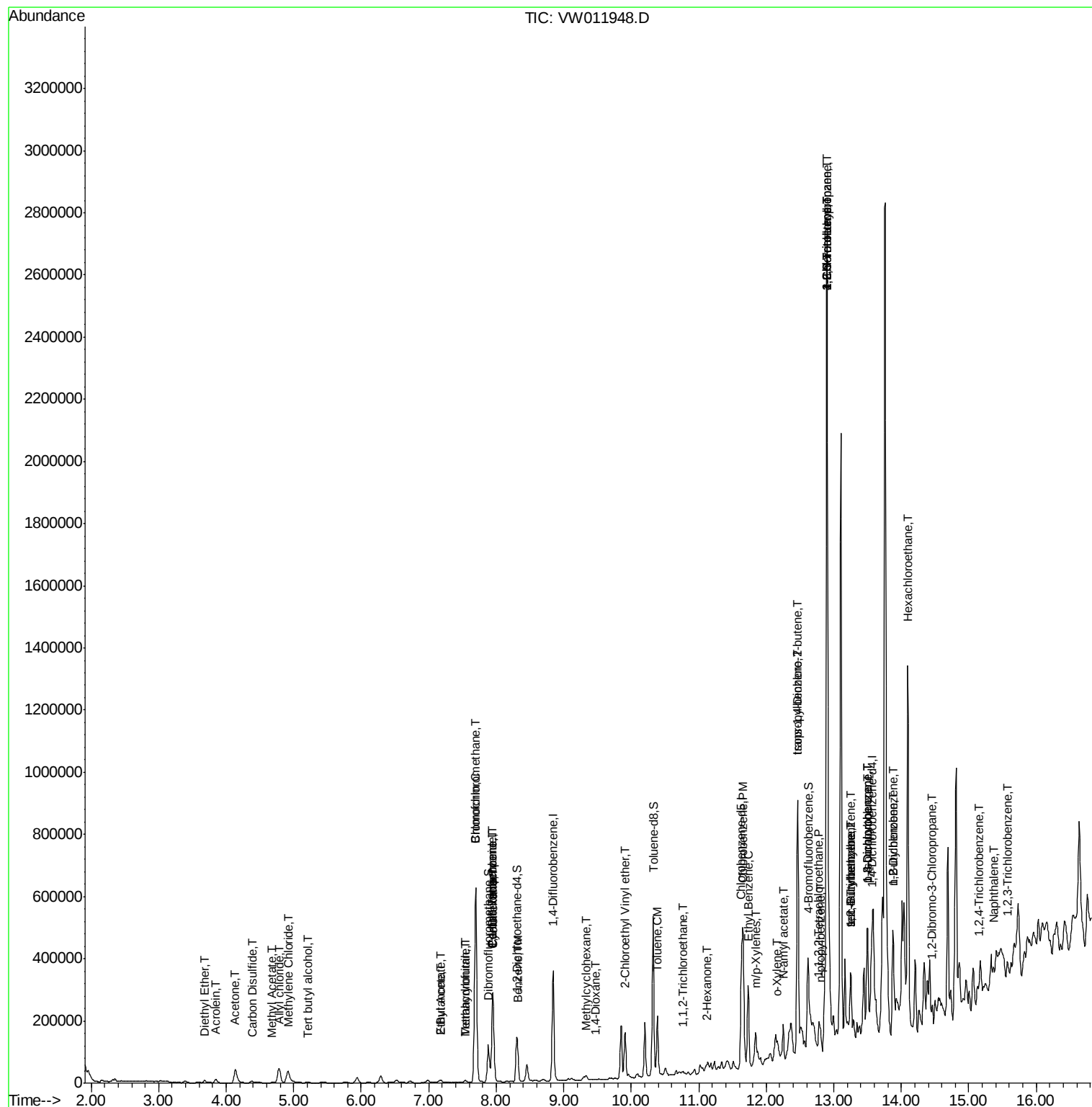
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) 1,3,5-Trimethylbenzene	12.90	105	1692500	581.173	ug/l	71
81) trans-1,4-Dichloro-2-buten	12.46	75	6721	31.435	ug/l #	66
82) 4-Chlorotoluene	12.90	91	198408	77.635	ug/l #	46
83) tert-Butylbenzene	13.25	119	13140	5.396	ug/l #	68
84) 1,2,4-Trimethylbenzene	13.25	105	115173	39.259	ug/l	99
85) sec-Butylbenzene	13.25	105	115173	33.144	ug/l #	57
86) p-Isopropyltoluene	13.50	119	127196	40.344	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	30848	20.488	ug/l	86
88) 1,4-Dichlorobenzene	13.50	146	30848	20.596	ug/l	86
89) n-Butylbenzene	13.88	91	8665	2.754	ug/l #	1
90) Hexachloroethane	14.10	117	54641	98.009	ug/l #	10
91) 1,2-Dichlorobenzene	13.87	146	3392	2.547	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	14.46	75	185	1.660	ug/l	82
93) 1,2,4-Trichlorobenzene	15.15	180	1324	1.411	ug/l #	1
95) Naphthalene	15.36	128	68664	37.871	ug/l	97
96) 1,2,3-Trichlorobenzene	15.58	180	2085	2.534	ug/l #	23

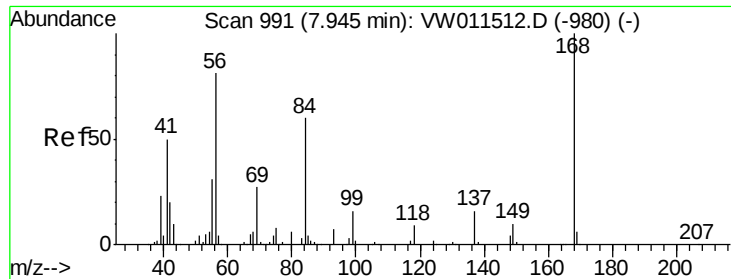
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW011948.D

Acq: 16 Aug 2019 00:46

Instrument :

MSVOA_W

ClientSampleId :

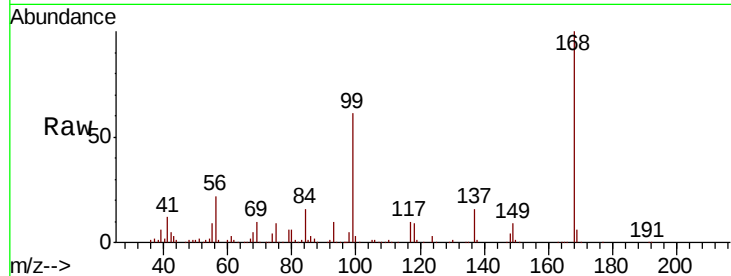
SOIL-COMPOSITE

Tgt Ion:168 Resp: 165849

Ion Ratio Lower Upper

168 100

99 61.2 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

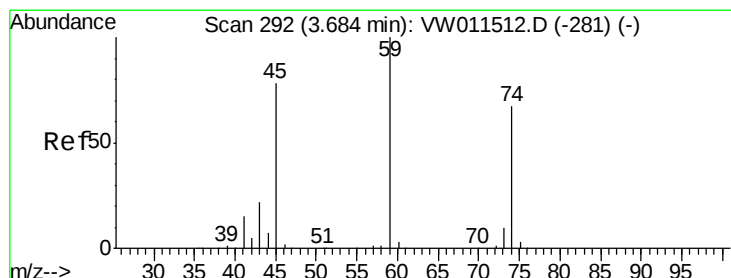
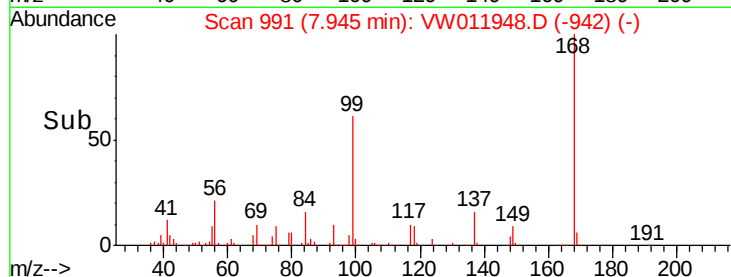
40000

20000

0

7.90 8.00

Time-->



#8

Diethyl Ether

Concen: 3.791 ug/l

RT: 3.68 min Scan# 292

Delta R.T. -0.00 min

Lab File: VW011948.D

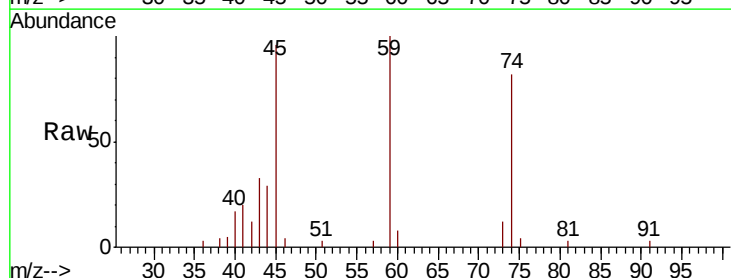
Acq: 16 Aug 2019 00:46

Tgt Ion: 74 Resp: 3707

Ion Ratio Lower Upper

74 100

45 152.2 59.6 178.8



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

2500

2000

1500

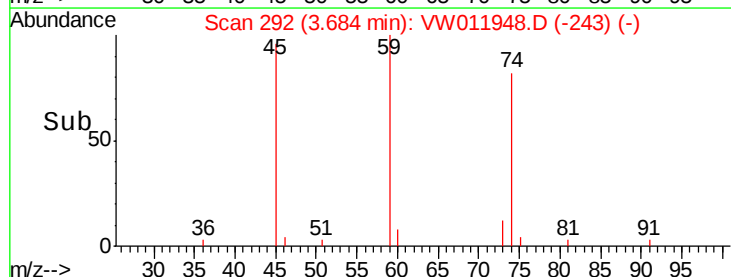
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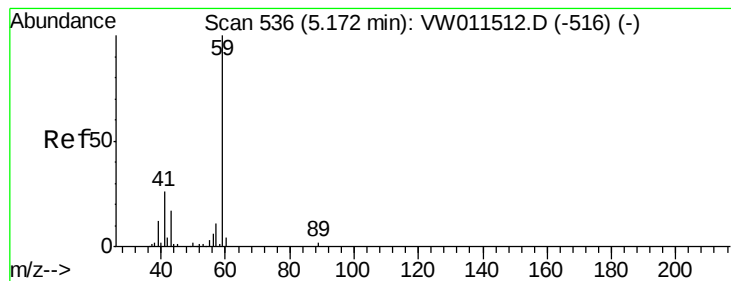
500

0

3.60 3.65 3.70 3.75

Time-->





#11

Tert butyl alcohol

Concen: 6.772 ug/l

RT: 5.21 min Scan# 542

Delta R.T. 0.04 min

Lab File: VW011948.D

Acq: 16 Aug 2019 00:46

Instrument :

MSVOA_W

ClientSampleId :

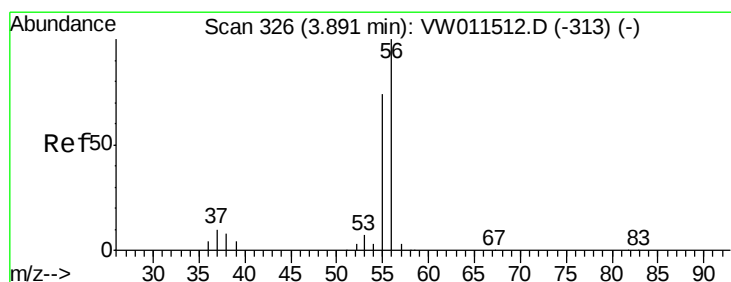
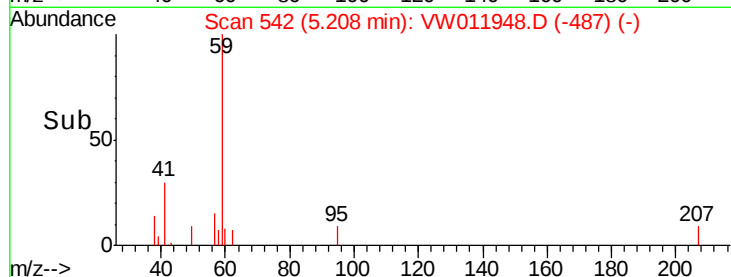
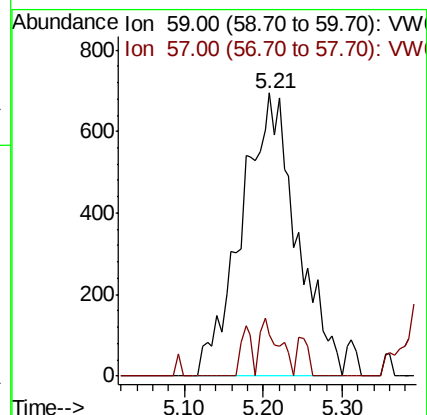
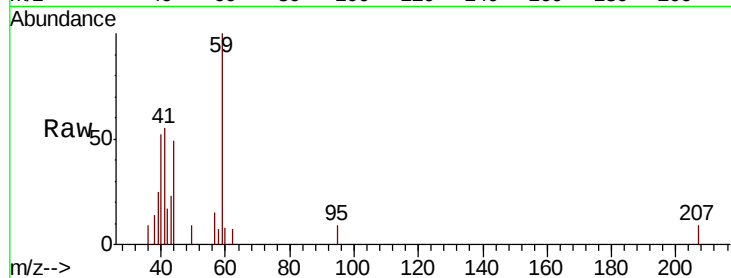
SOIL-COMPOSITE

Tgt Ion: 59 Resp: 3390

Ion Ratio Lower Upper

59 100

57 6.9 8.5 12.7#



#13

Acrolein

Concen: 4.742 ug/l

RT: 3.85 min Scan# 319

Delta R.T. -0.04 min

Lab File: VW011948.D

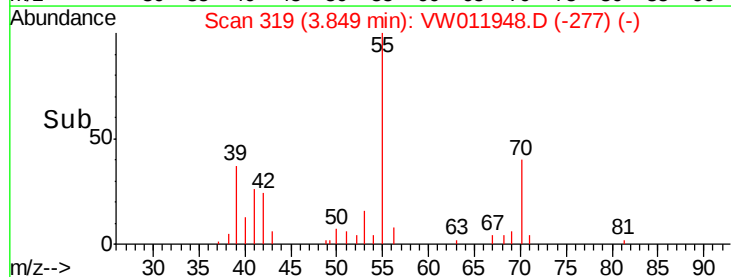
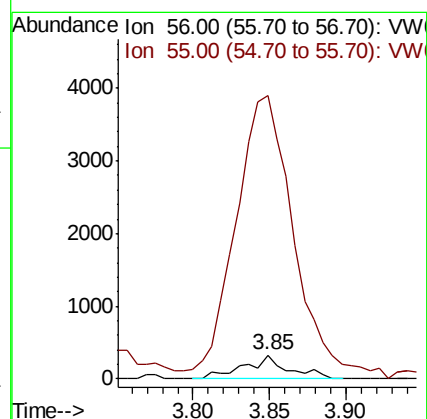
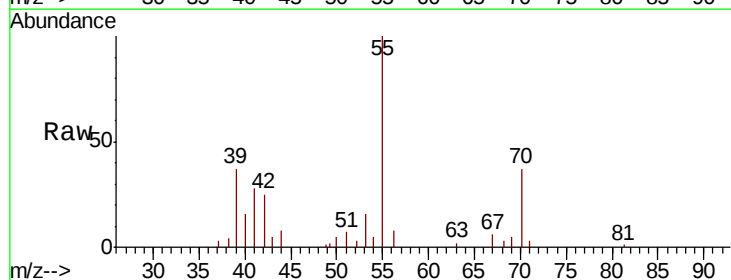
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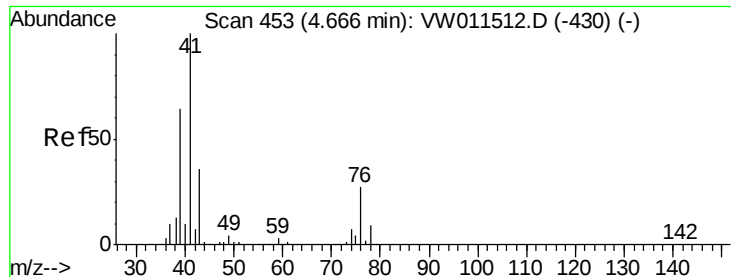
Tgt Ion: 56 Resp: 648

Ion Ratio Lower Upper

56 100

55 1607.7 56.0 84.0#

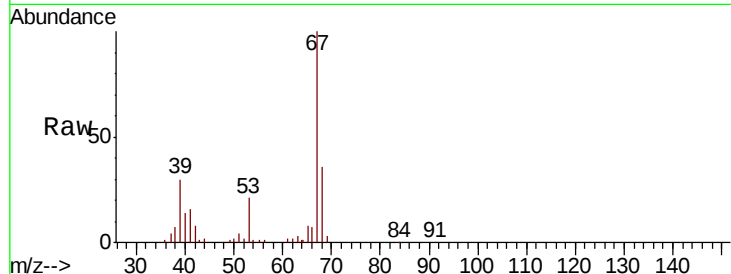




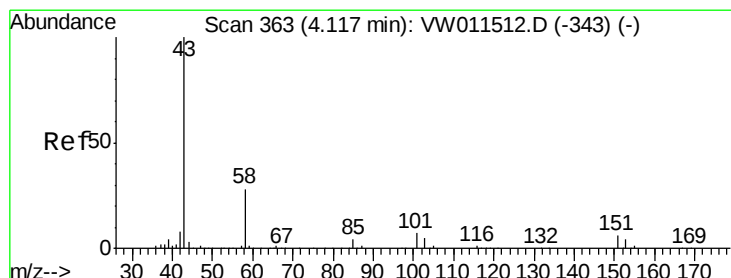
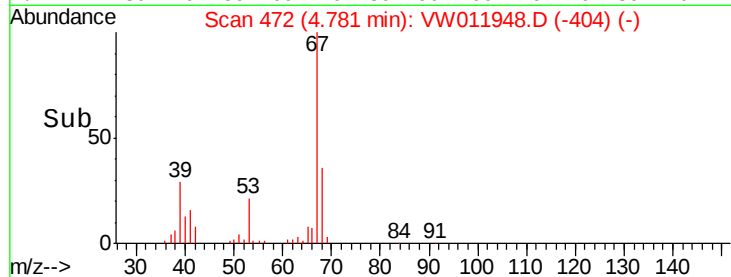
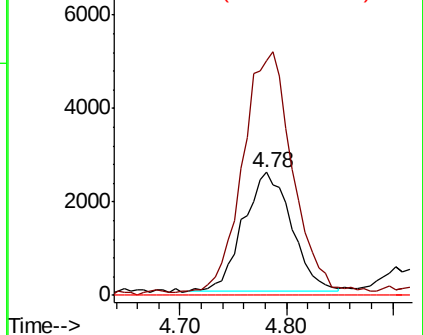
#14
 Allyl chloride
 Concen: 2.183 ug/l
 RT: 4.78 min Scan# 472
 Delta R.T. 0.12 min
 Lab File: VW011948.D
 Acq: 16 Aug 2019 00:46

Instrument :
 MSVOA_W
 ClientSampleId :
 SOIL-COMPOSITE

Tgt Ion: 41 Resp: 8020
 Ion Ratio Lower Upper
 41 100
 39 210.5 52.6 78.8#
 76 0.0 22.0 33.0#

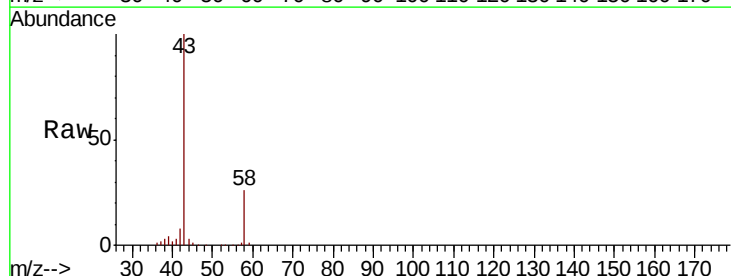


Abundance Ion 41.00 (40.70 to 41.70): VW
 Ion 39.00 (38.70 to 39.70): VW
 Ion 75.90 (75.60 to 76.60): VW

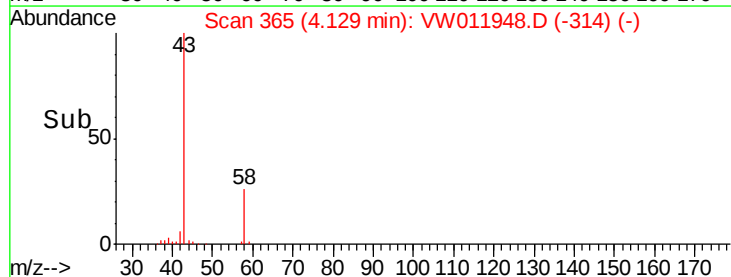
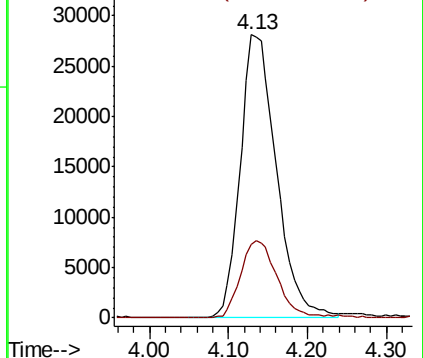


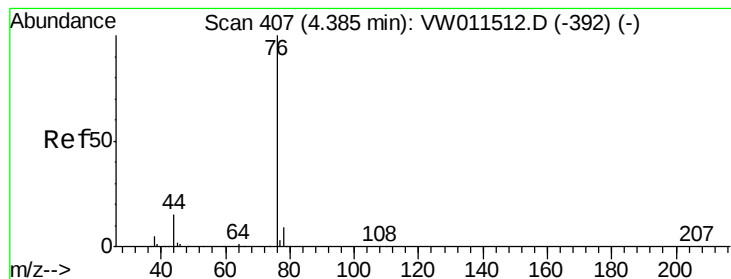
#16
 Acetone
 Concen: 147.137 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VW011948.D
 Acq: 16 Aug 2019 00:46

Tgt Ion: 43 Resp: 89134
 Ion Ratio Lower Upper
 43 100
 58 26.1 22.3 33.5



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





#17

Carbon Disulfide

Concen: 1.917 ug/l

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW011948.D

Acq: 16 Aug 2019 00:46

Instrument :

MSVOA_W

ClientSampleId :

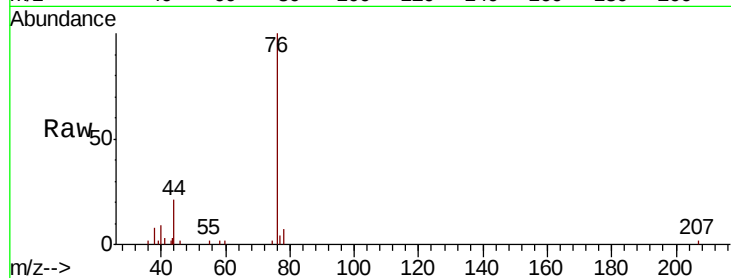
SOIL-COMPOSITE

Tgt Ion: 76 Resp: 10361

Ion Ratio Lower Upper

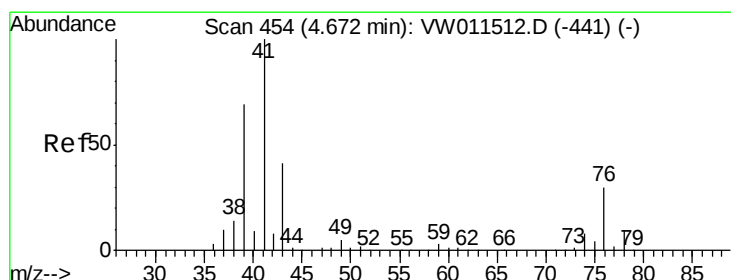
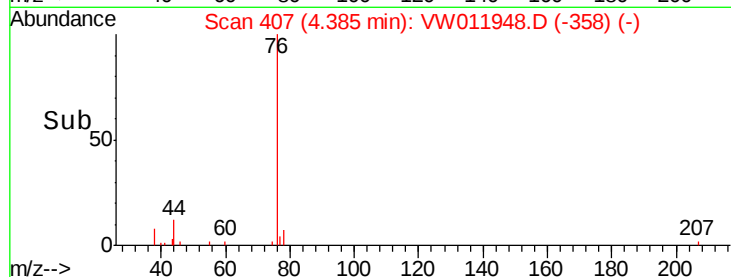
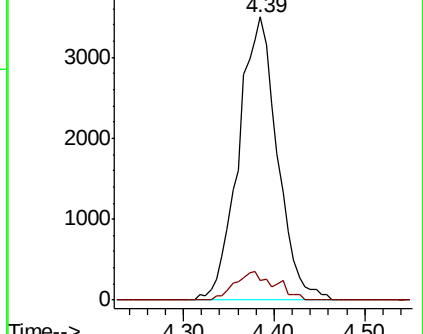
76 100

78 7.2 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 2.003 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW011948.D

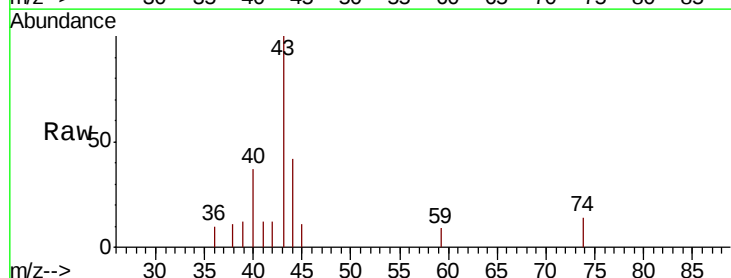
Acq: 16 Aug 2019 00:46

Tgt Ion: 43 Resp: 2726

Ion Ratio Lower Upper

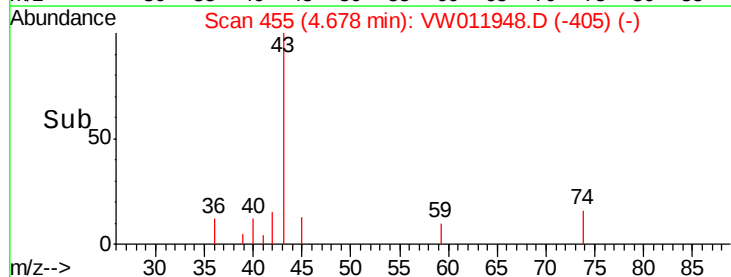
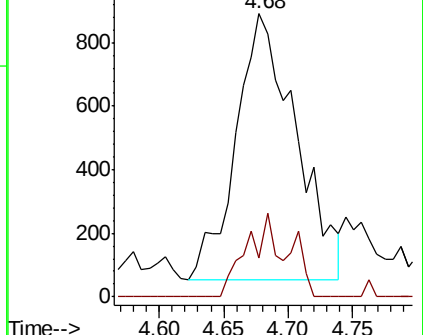
43 100

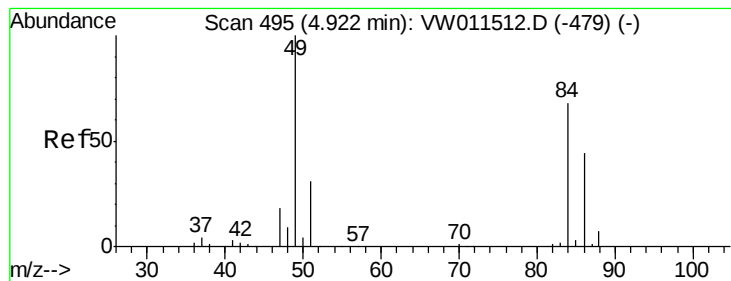
74 15.4 15.9 23.9#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#20

Methylene Chloride

Concen: 13.229 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW011948.D

Acq: 16 Aug 2019 00:46

Instrument :

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SOIL-COMPOSITE

Tgt Ion: 84 Resp: 27639

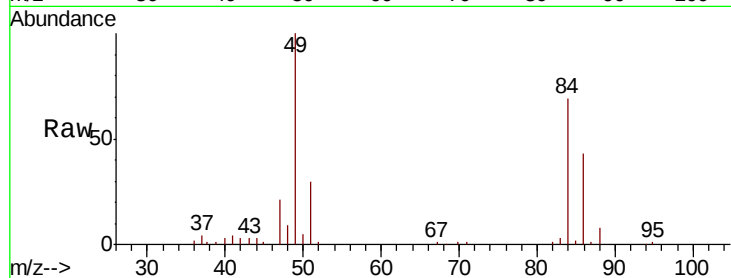
Ion Ratio Lower Upper

84 100

49 144.6 117.8 176.6

51 42.8 37.0 55.4

86 62.0 51.8 77.8

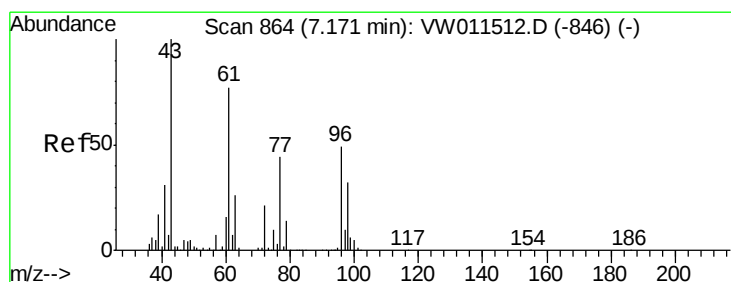
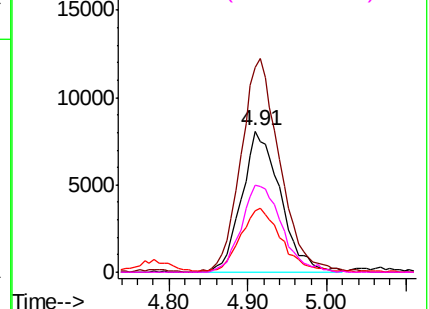
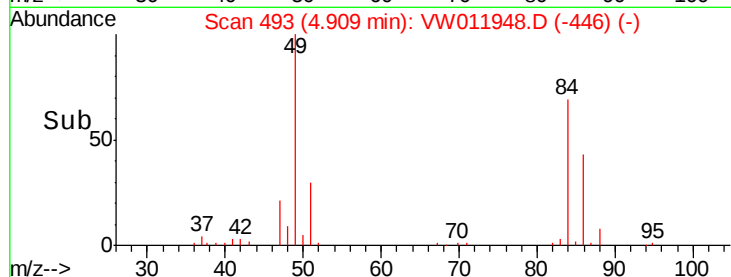


Abundance Ion 83.90 (83.60 to 84.60): VW

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: 16.438 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW011948.D

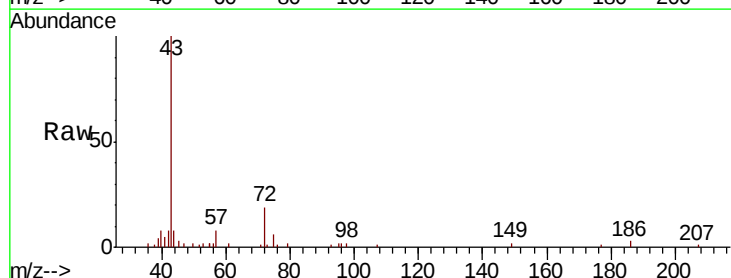
Acq: 16 Aug 2019 00:46

Tgt Ion: 43 Resp: 13030

Ion Ratio Lower Upper

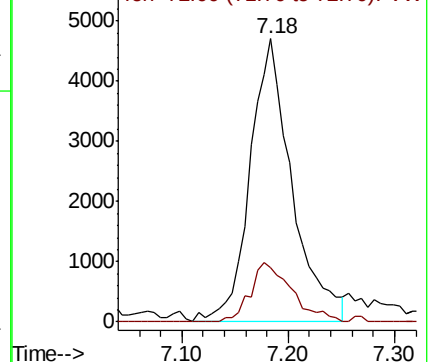
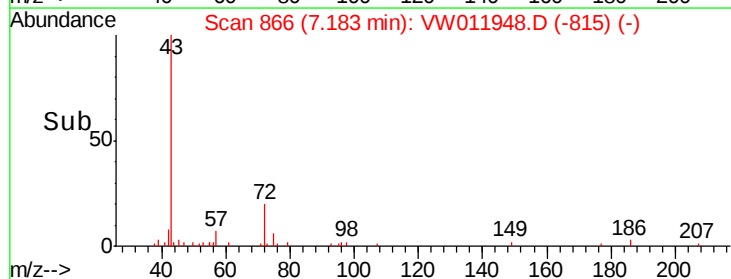
43 100

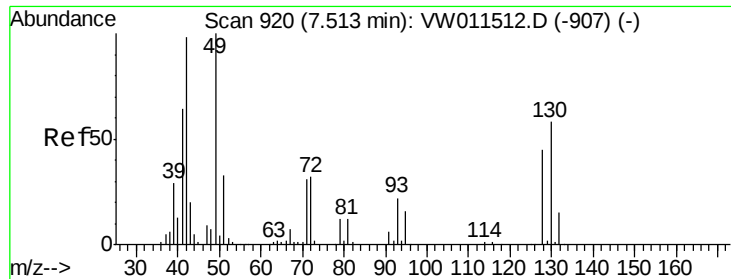
72 19.0 16.6 24.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#28

Bromochloromethane

Concen: 2.265 ug/l

RT: 7.70 min Scan# 951

Delta R.T. 0.19 min

Lab File: VW011948.D

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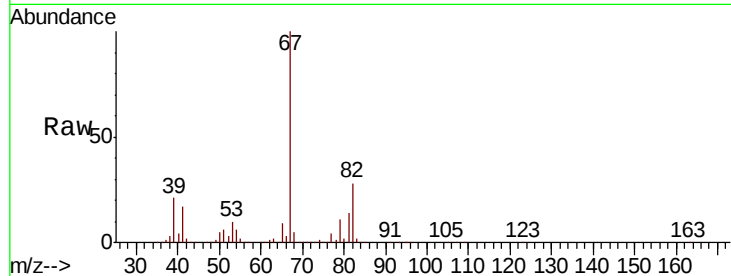
Tgt Ion: 49 Resp: 3729

Ion Ratio Lower Upper

49 100

129 0.0 0.0 1.0

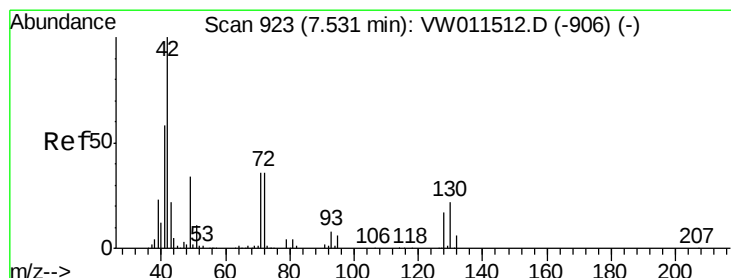
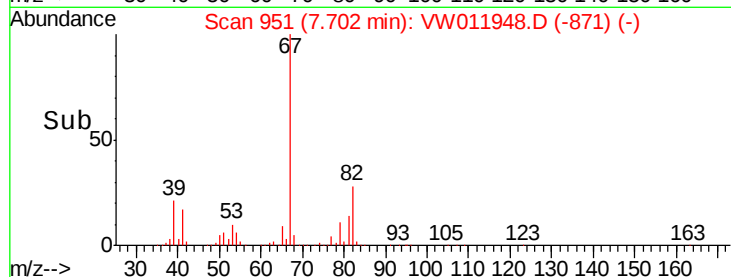
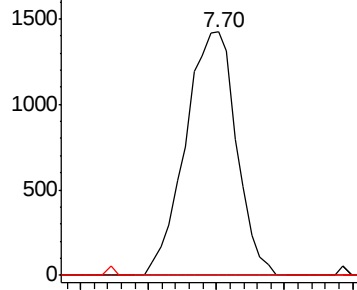
130 0.0 46.3 69.5#



Abundance Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 12.026 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW011948.D

Acq: 16 Aug 2019 00:46

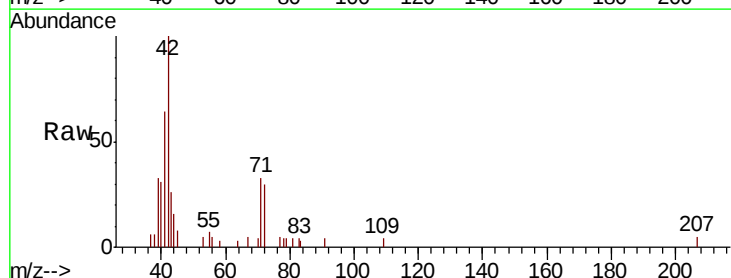
Tgt Ion: 42 Resp: 5449

Ion Ratio Lower Upper

42 100

72 32.3 27.1 40.7

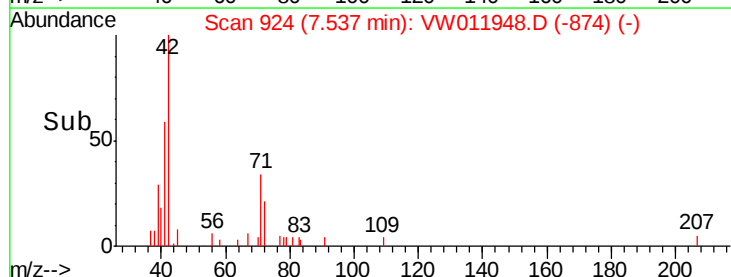
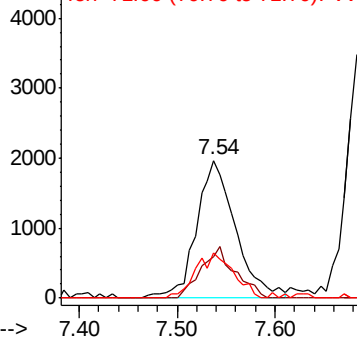
71 31.6 26.2 39.4

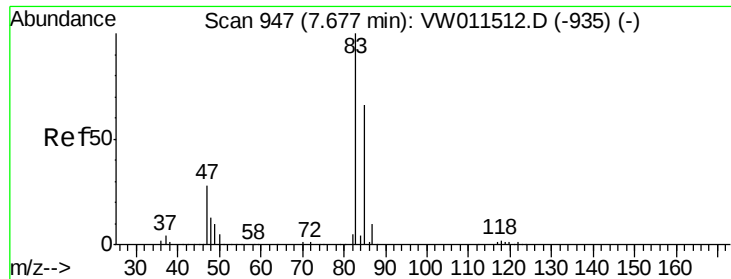


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

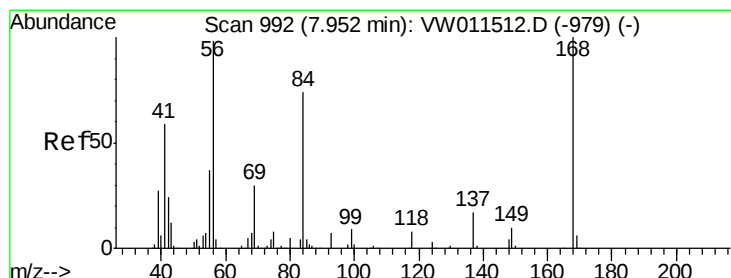
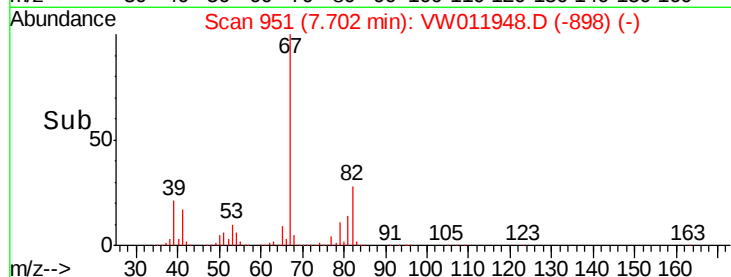
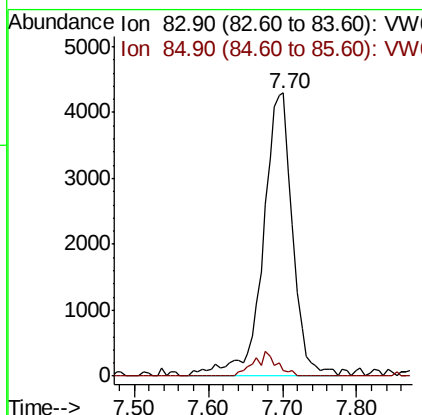
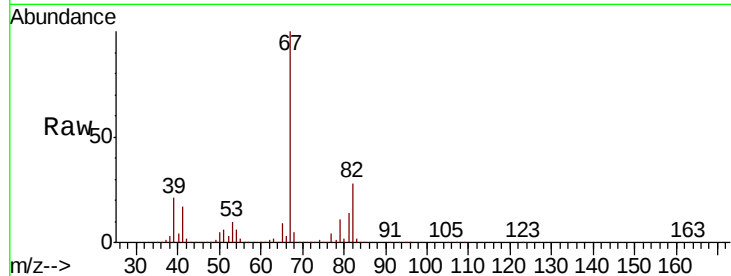




#30
Chloroform
Concen: 3.464 ug/l
RT: 7.70 min Scan# 951
Delta R.T. 0.02 min
Lab File: VW011948.D
Acq: 16 Aug 2019 00:46

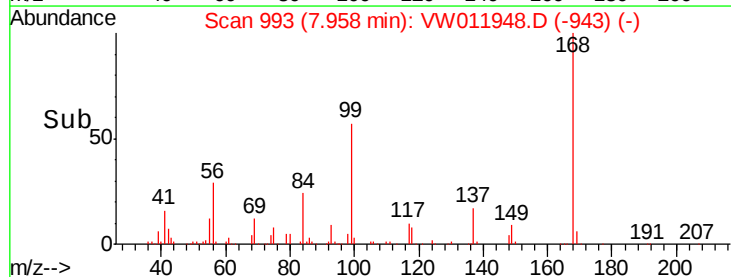
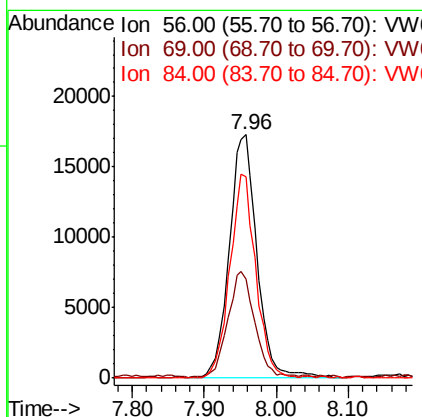
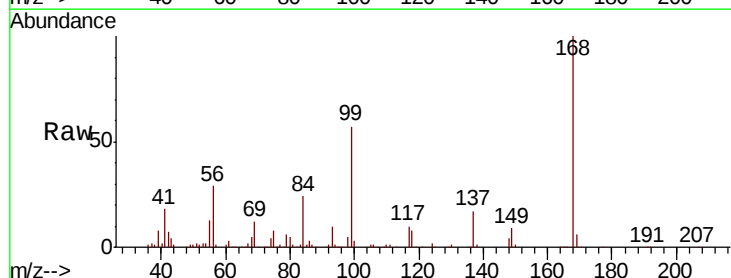
Instrument :
MSVOA_W
ClientSampleId :
SOIL-COMPOSITE

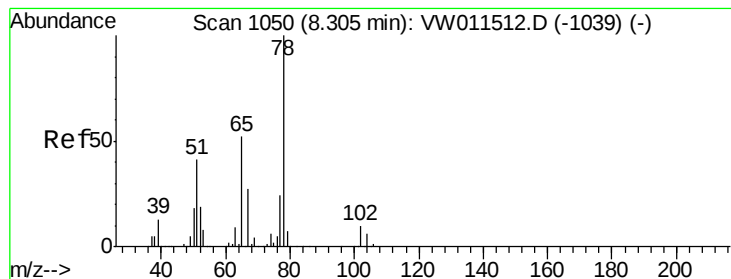
Tgt Ion: 83 Resp: 11855
Ion Ratio Lower Upper
83 100
85 1.8 52.5 78.7#



#31
Cyclohexane
Concen: 13.039 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW011948.D
Acq: 16 Aug 2019 00:46

Tgt Ion: 56 Resp: 46429
Ion Ratio Lower Upper
56 100
69 40.5 24.3 36.5#
84 82.6 60.4 90.6





#33

1,2-Dichloroethane-d4

Concen: 56.868 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW011948.D

Acq: 16 Aug 2019 00:46

Instrument :

MSVOA_W

ClientSampleId :

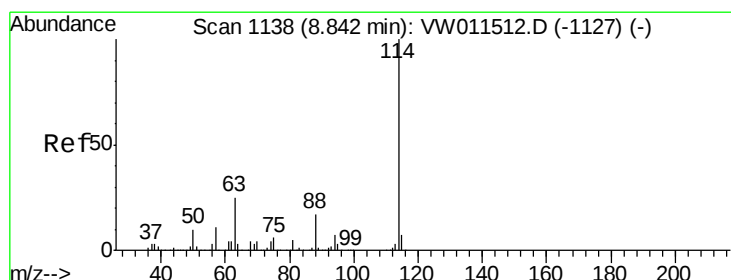
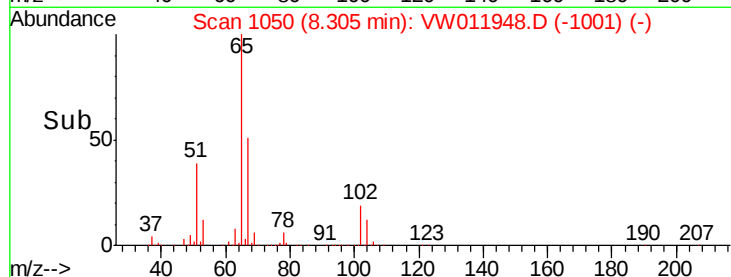
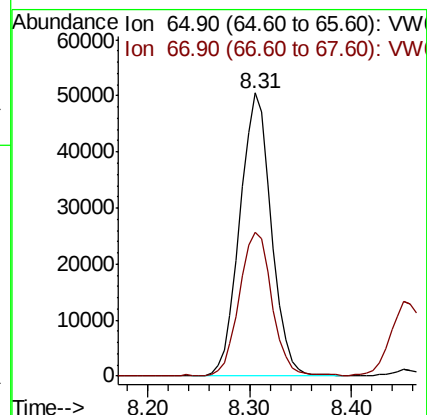
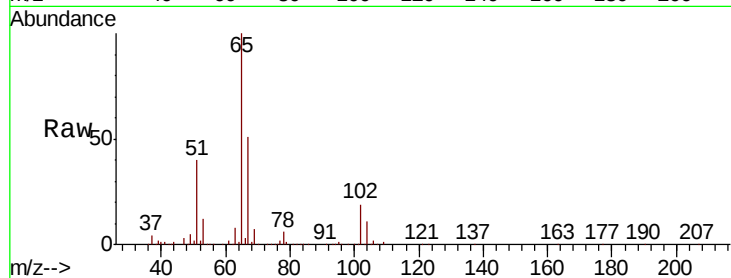
SOIL-COMPOSITE

Tgt Ion: 65 Resp: 108300

Ion Ratio Lower Upper

65 100

67 52.0 0.0 105.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW011948.D

Acq: 16 Aug 2019 00:46

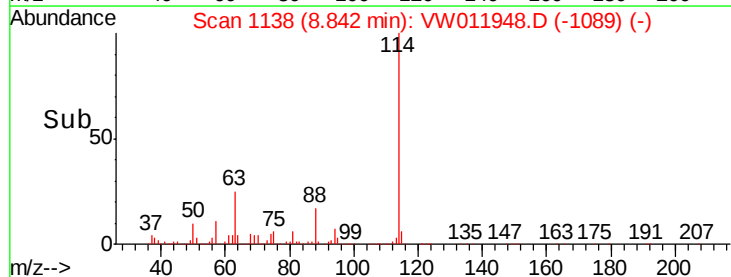
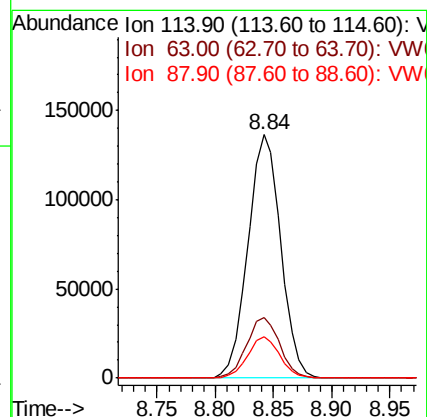
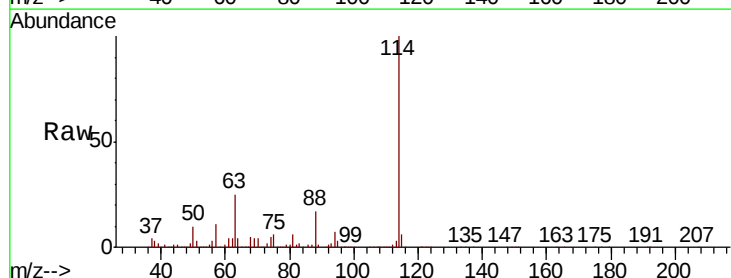
Tgt Ion: 114 Resp: 268749

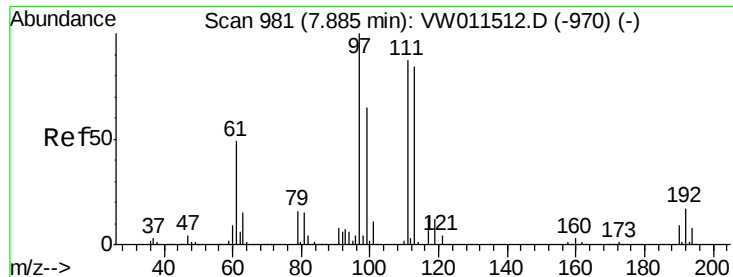
Ion Ratio Lower Upper

114 100

63 24.8 0.0 49.2

88 17.1 0.0 33.8

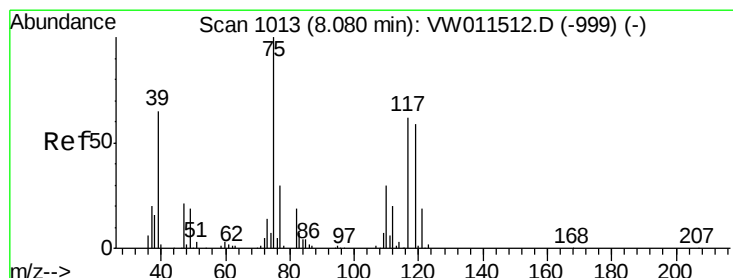
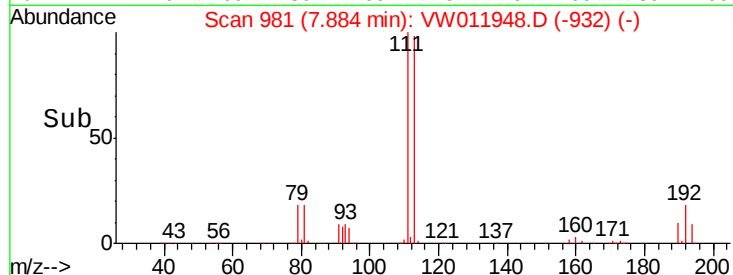
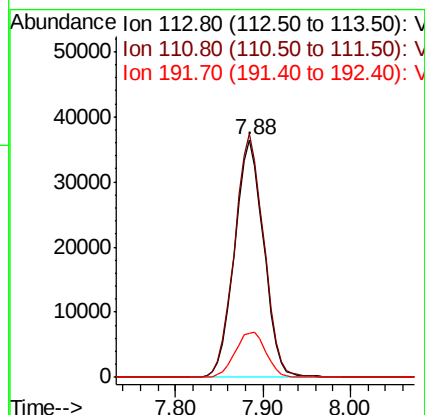
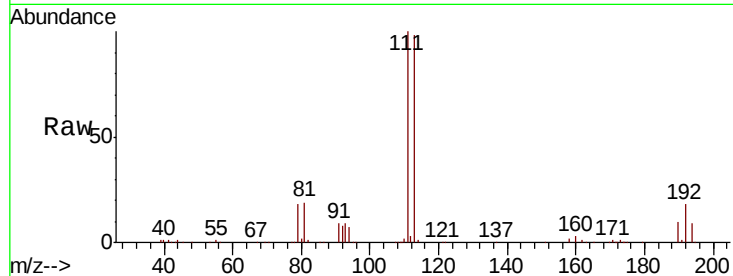




#35
 Dibromofluoromethane
 Concen: 55.871 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011948.D
 Acq: 16 Aug 2019 00:46

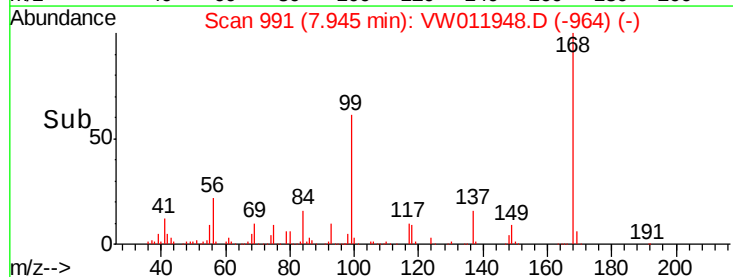
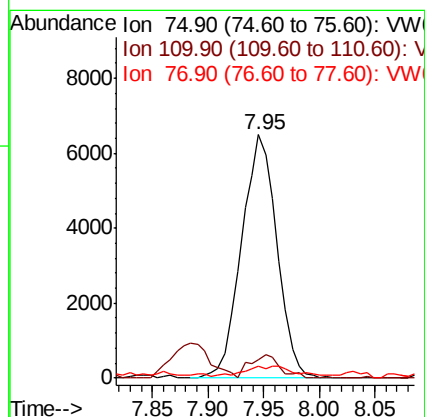
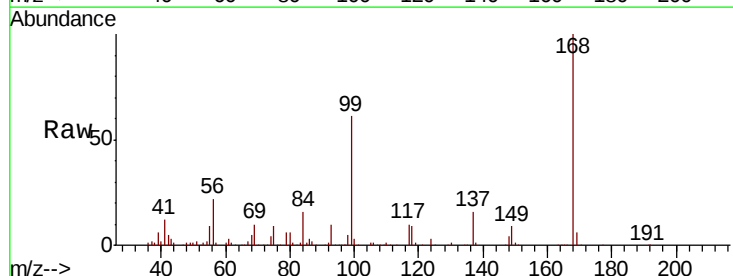
Instrument :
 MSVOA_W
 ClientSampleId :
 SOIL-COMPOSITE

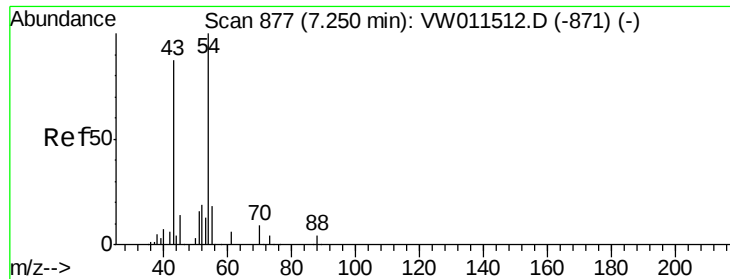
Tgt Ion:113 Resp: 84238
 Ion Ratio Lower Upper
 113 100
 111 103.6 82.7 124.1
 192 20.4 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 5.127 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011948.D
 Acq: 16 Aug 2019 00:46

Tgt Ion: 75 Resp: 14328
 Ion Ratio Lower Upper
 75 100
 110 8.1 15.6 46.8#
 77 5.1 24.3 36.5#

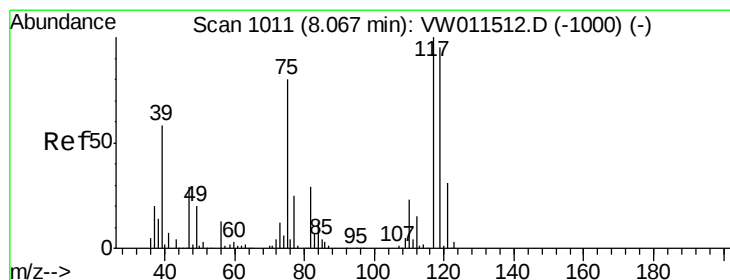
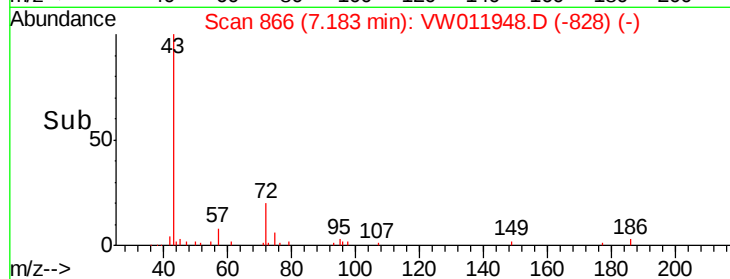
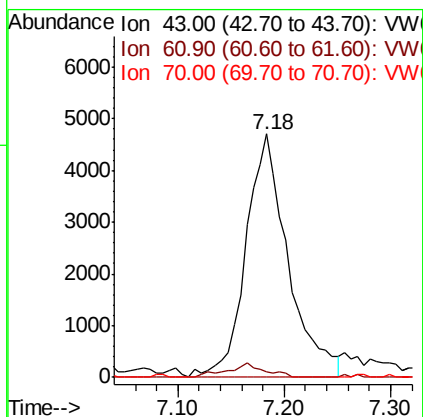
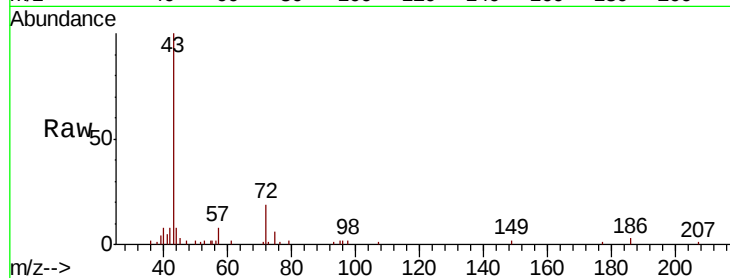




#37
Ethyl Acetate
Concen: 8.104 ug/l
RT: 7.18 min Scan# 866
Delta R.T. -0.07 min
Lab File: VW011948.D
Acq: 16 Aug 2019 00:46

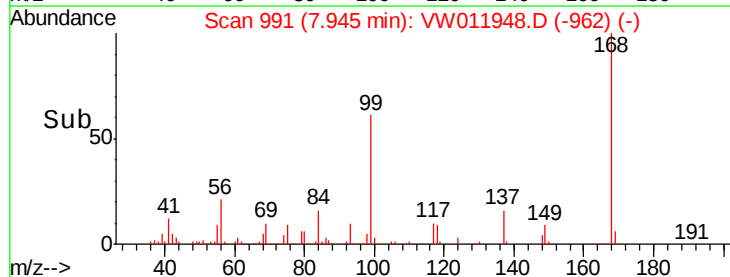
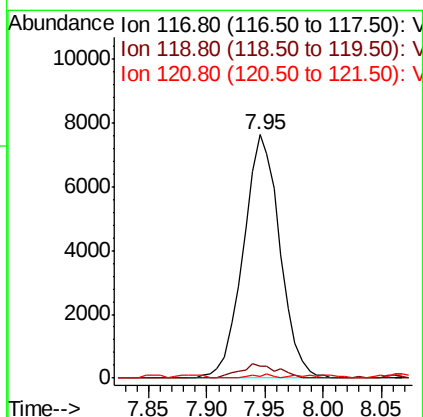
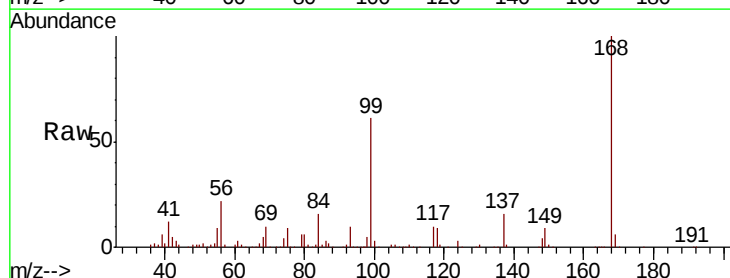
Instrument :
MSVOA_W
ClientSampleId :
SOIL-COMPOSITE

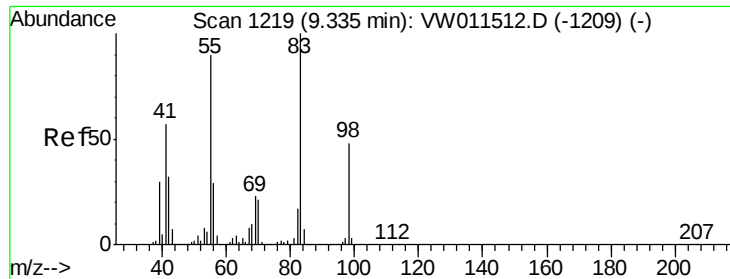
Tgt Ion: 43 Resp: 13030
Ion Ratio Lower Upper
43 100
61 5.1 8.8 13.2#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 6.995 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW011948.D
Acq: 16 Aug 2019 00:46

Tgt Ion: 117 Resp: 16735
Ion Ratio Lower Upper
117 100
119 5.1 75.8 113.6#
121 0.0 24.7 37.1#

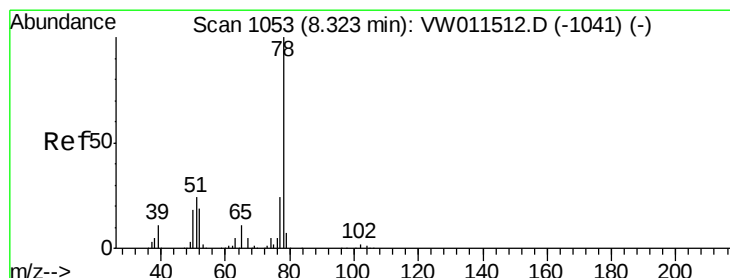
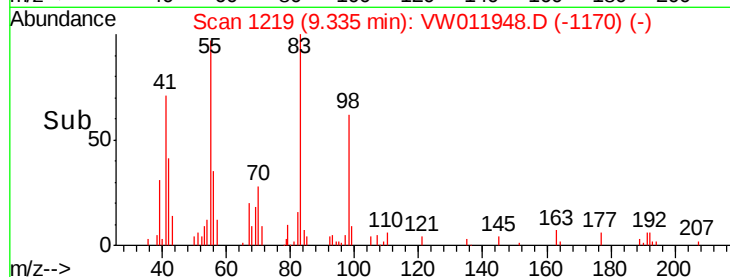
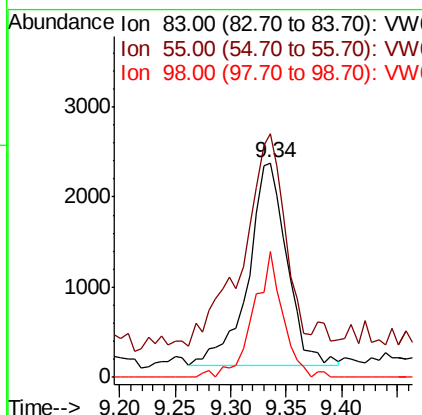
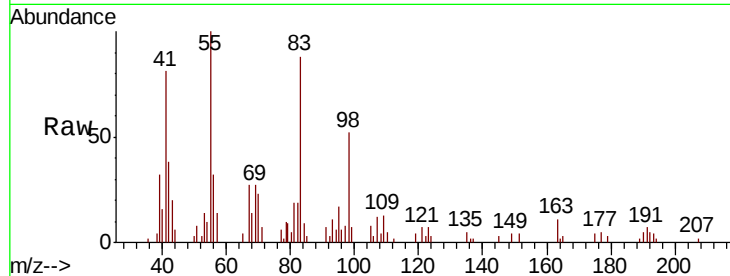




#39
Methylcyclohexane
Concen: 1.758 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW011948.D
Acq: 16 Aug 2019 00:46

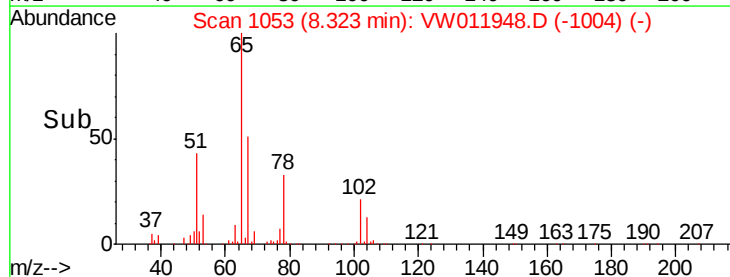
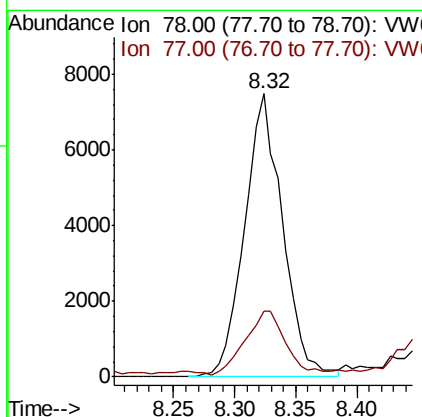
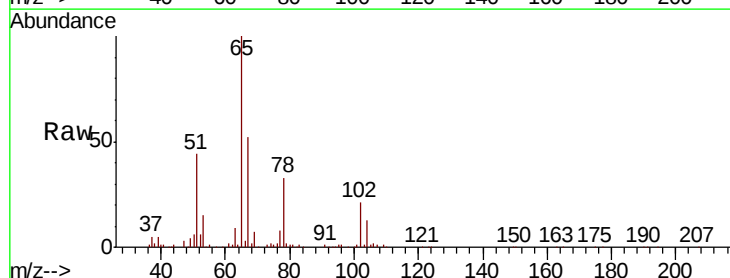
Instrument :
MSVOA_W
ClientSampleId :
SOIL-COMPOSITE

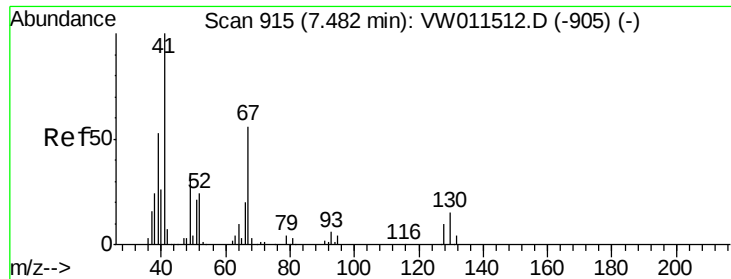
Tgt Ion: 83 Resp: 5411
Ion Ratio Lower Upper
83 100
55 104.6 72.1 108.1
98 62.1 38.6 57.8#



#40
Benzene
Concen: 2.074 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW011948.D
Acq: 16 Aug 2019 00:46

Tgt Ion: 78 Resp: 16236
Ion Ratio Lower Upper
78 100
77 21.2 19.4 29.0

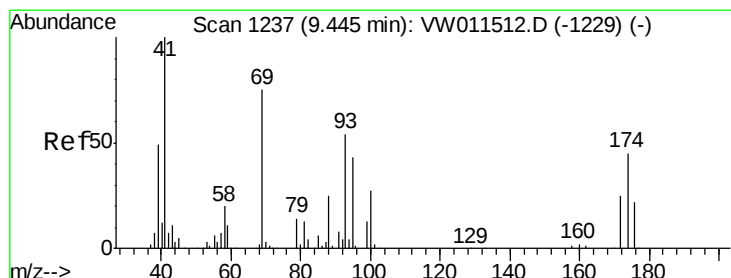
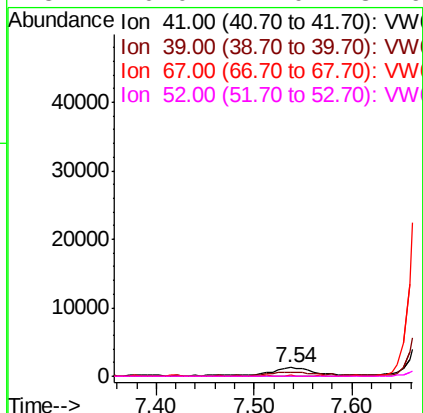
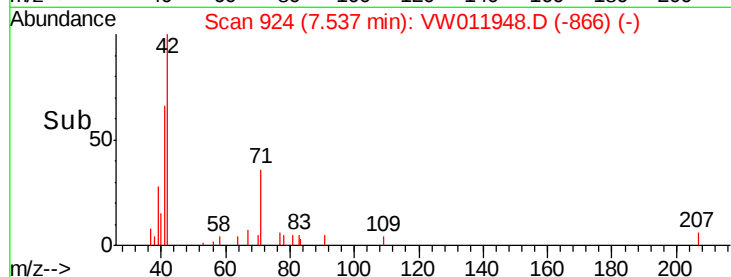
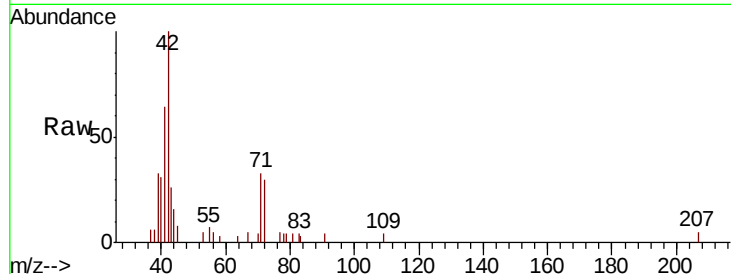




#41
Methacrylonitrile
Concen: 3.690 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.05 min
Lab File: VW011948.D
Acq: 16 Aug 2019 00:46

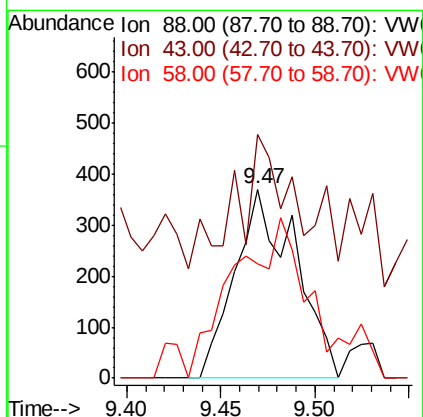
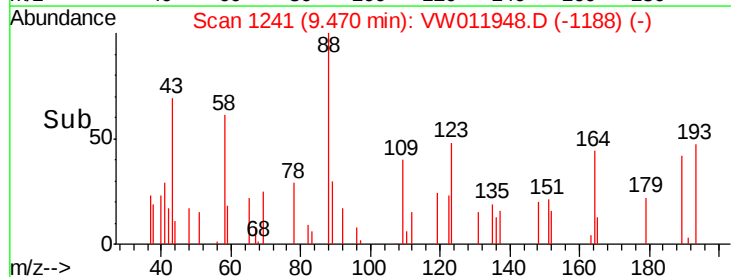
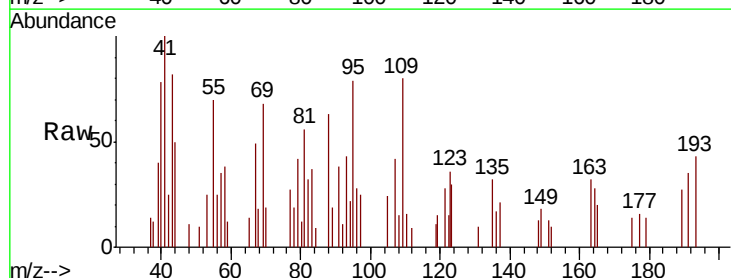
Instrument :
MSVOA_W
ClientSampleId :
SOIL-COMPOSITE

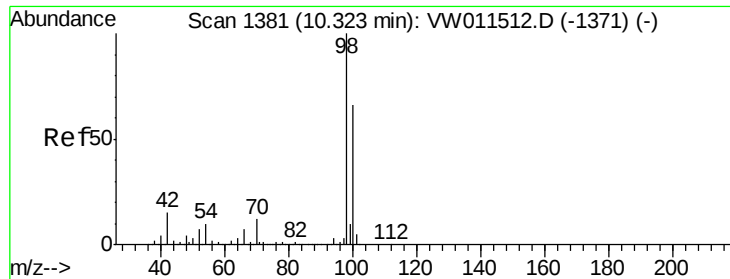
Tgt Ion:	41	Resp:	3546
Ion	Ratio	Lower	Upper
41	100		
39	0.0	43.0	64.4#
67	0.0	47.5	71.3#
52	0.0	21.0	31.6#



#49
1,4-Dioxane
Concen: 59.461 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.02 min
Lab File: VW011948.D
Acq: 16 Aug 2019 00:46

Tgt Ion:	88	Resp:	823
Ion	Ratio	Lower	Upper
88	100		
43	61.1	34.0	51.0#
58	104.3	69.7	104.5

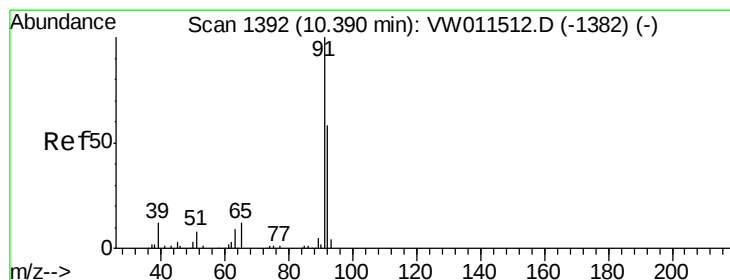
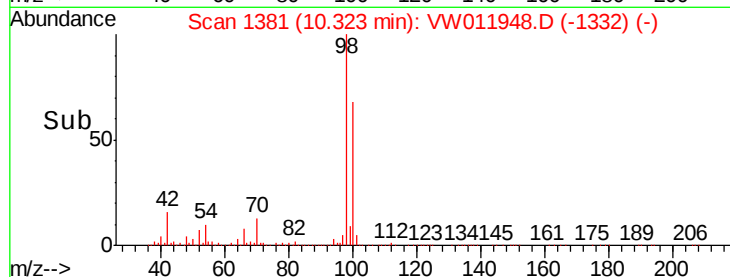
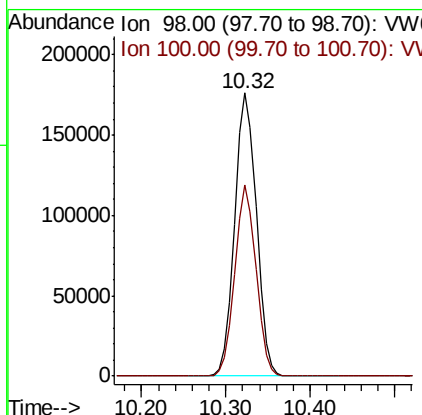
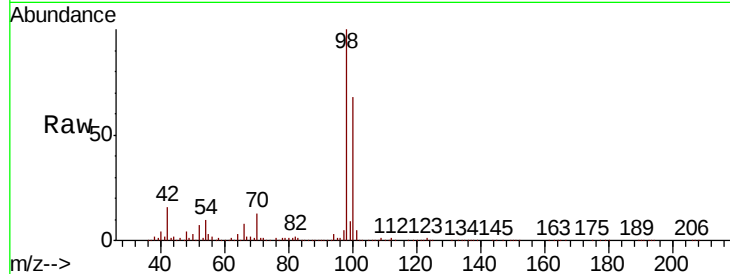




#50
Toluene-d8
Concen: 49.585 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011948.D
Acq: 16 Aug 2019 00:46

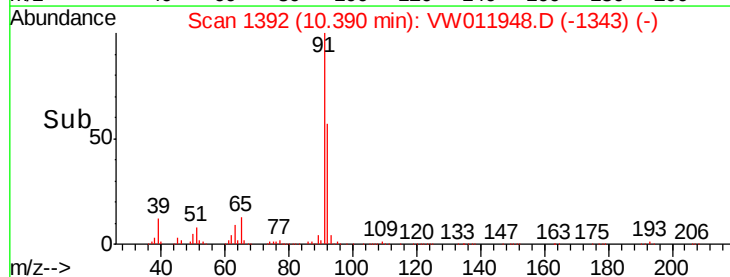
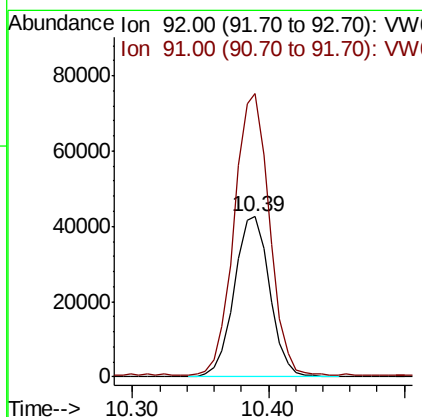
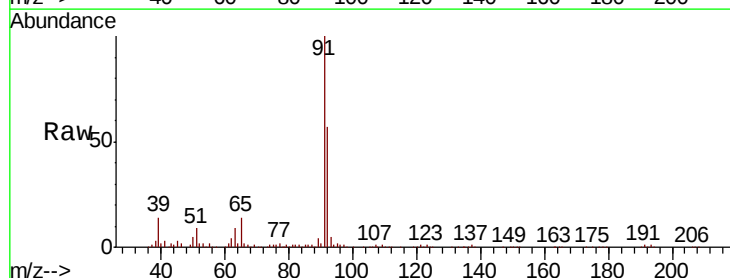
Instrument :
MSVOA_W
ClientSampleId :
SOIL-COMPOSITE

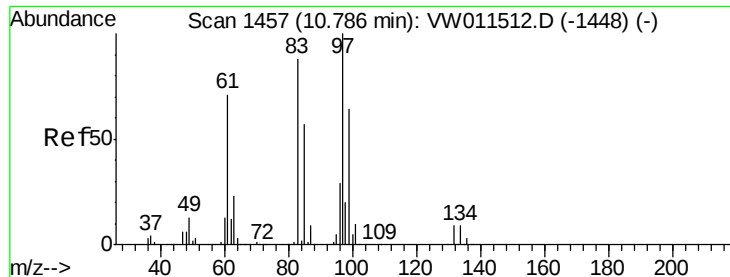
Tgt Ion: 98 Resp: 306090
Ion Ratio Lower Upper
98 100
100 65.6 52.7 79.1



#52
Toluene
Concen: 16.418 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW011948.D
Acq: 16 Aug 2019 00:46

Tgt Ion: 92 Resp: 77609
Ion Ratio Lower Upper
92 100
91 172.2 136.7 205.1

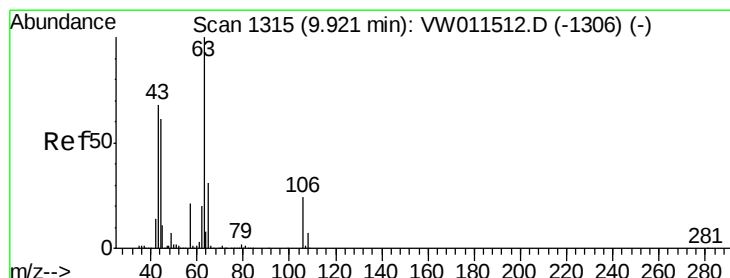
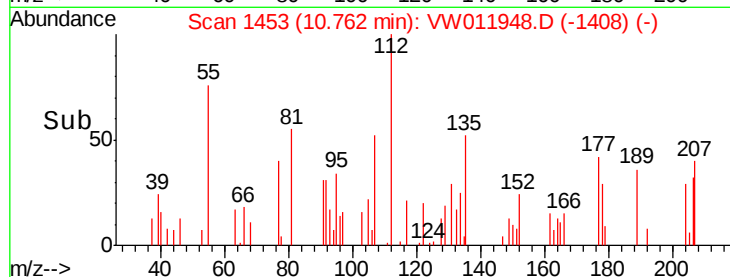
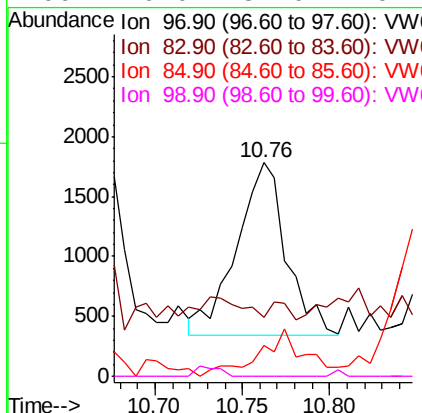
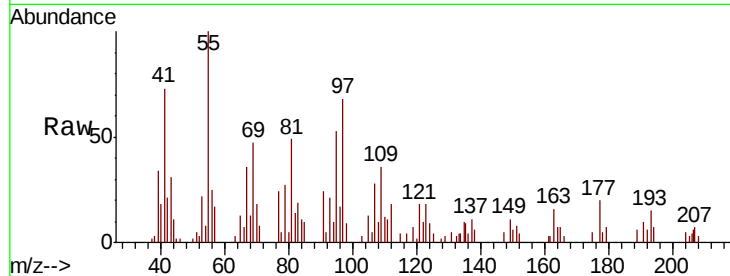




#55
 1,1,2-Trichloroethane
 Concen: 2.123 ug/l
 RT: 10.76 min Scan# 1453
 Delta R.T. -0.02 min
 Lab File: VW011948.D
 Acq: 16 Aug 2019 00:46

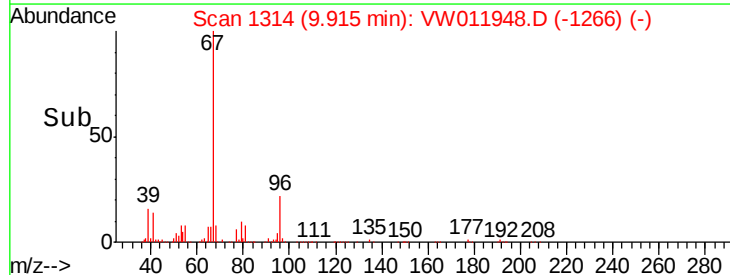
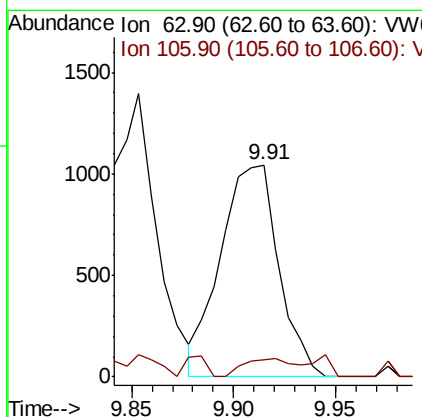
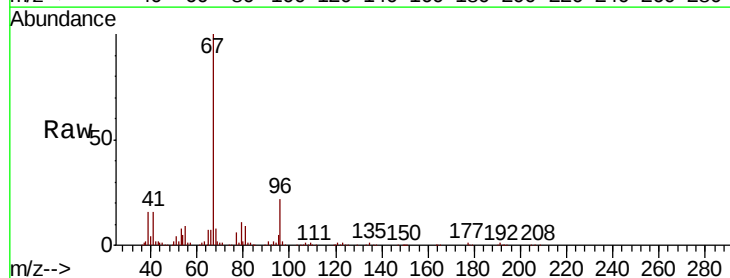
Instrument :
 MSVOA_W
 ClientSampleId :
 SOIL-COMPOSITE

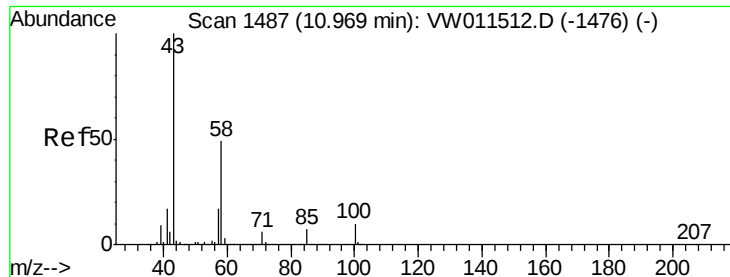
Tgt Ion: 97 Resp: 2879
 Ion Ratio Lower Upper
 97 100
 83 0.0 70.5 105.7#
 85 13.5 45.8 68.6#
 99 0.0 51.0 76.4#



#58
 2-Chloroethyl Vinyl ether
 Concen: 2.294 ug/l
 RT: 9.91 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VW011948.D
 Acq: 16 Aug 2019 00:46

Tgt Ion: 63 Resp: 2067
 Ion Ratio Lower Upper
 63 100
 106 7.6 19.7 29.5#

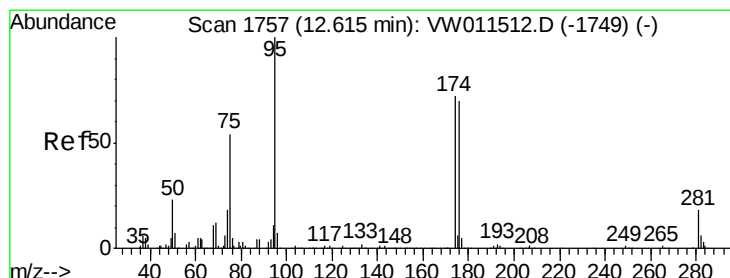
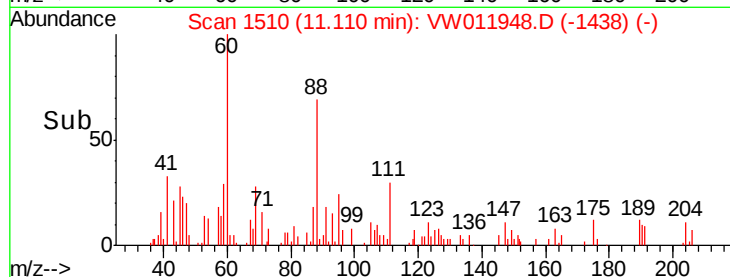
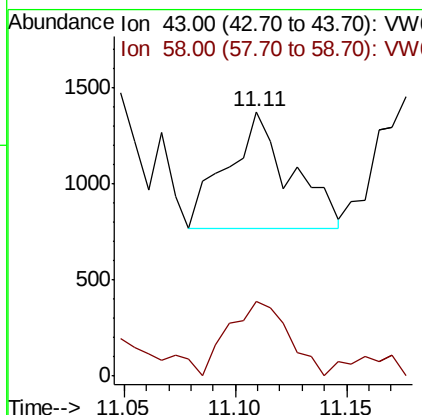
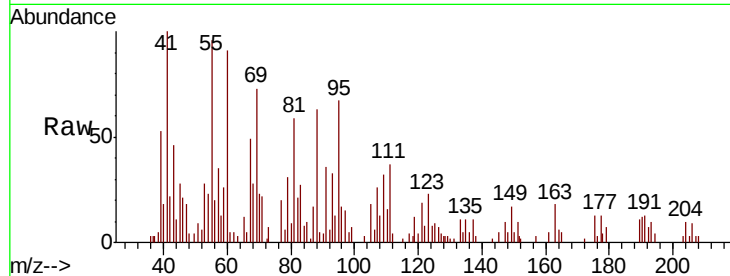




#59
2-Hexanone
Concen: 1.099 ug/l
RT: 11.11 min Scan# 1510
Delta R.T. 0.14 min
Lab File: VW011948.D
Acq: 16 Aug 2019 00:46

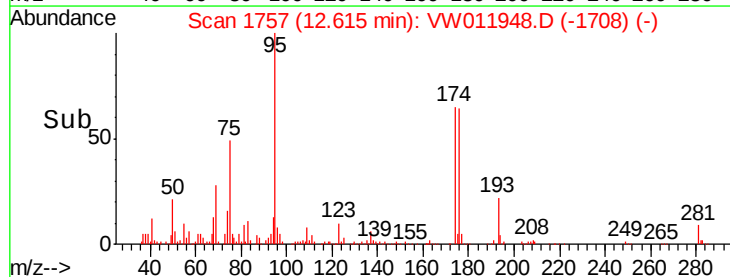
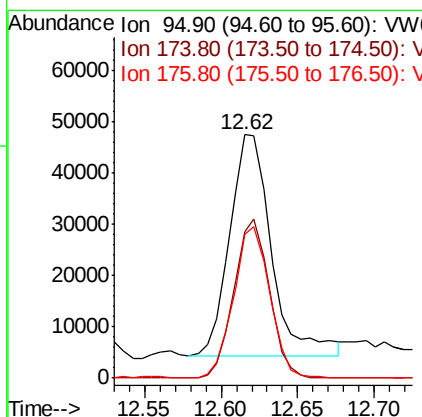
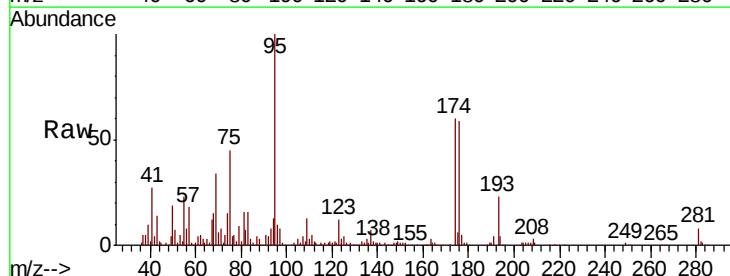
Instrument :
MSVOA_W
ClientSampleId :
SOIL-COMPOSITE

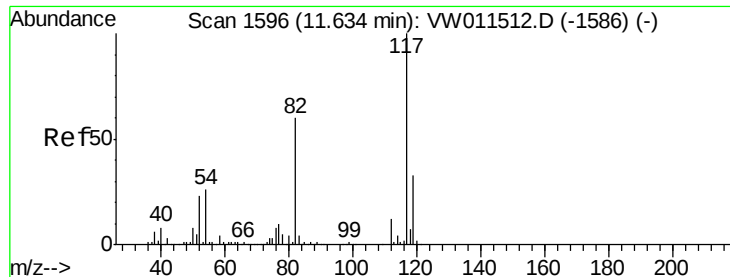
Tgt Ion: 43 Resp: 1193
Ion Ratio Lower Upper
43 100
58 60.6 24.3 72.9



#62
4-Bromofluorobenzene
Concen: 37.006 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW011948.D
Acq: 16 Aug 2019 00:46

Tgt Ion: 95 Resp: 81443
Ion Ratio Lower Upper
95 100
174 61.2 0.0 150.2
176 59.4 0.0 144.4

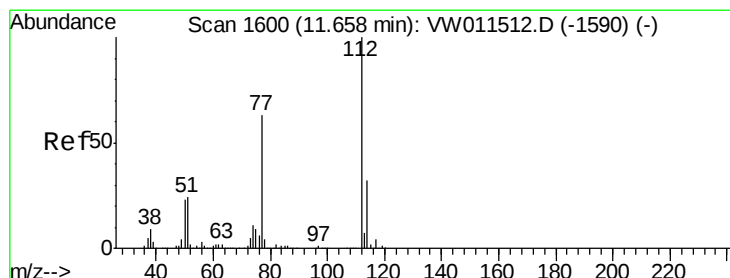
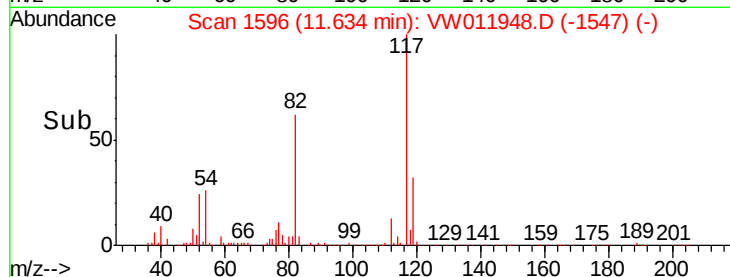
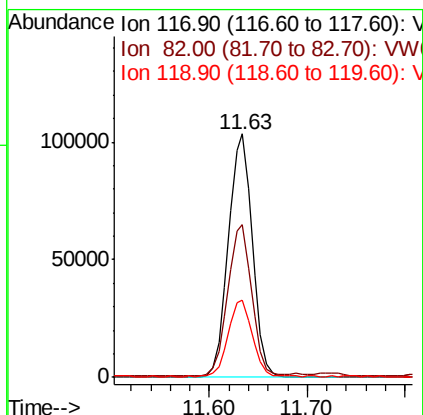
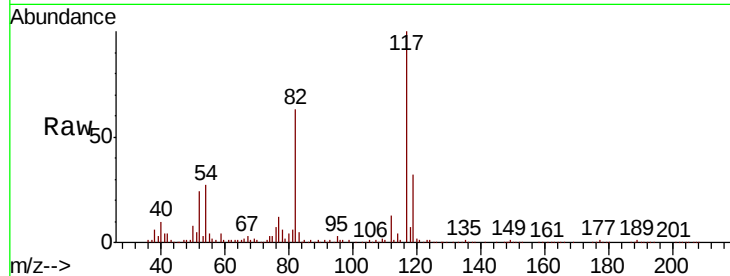




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011948.D
Acq: 16 Aug 2019 00:46

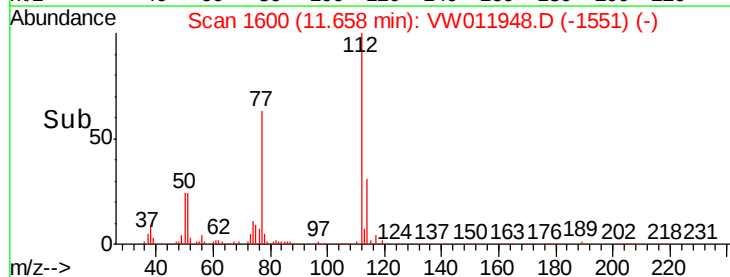
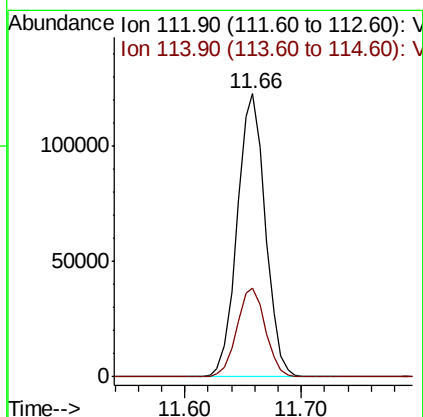
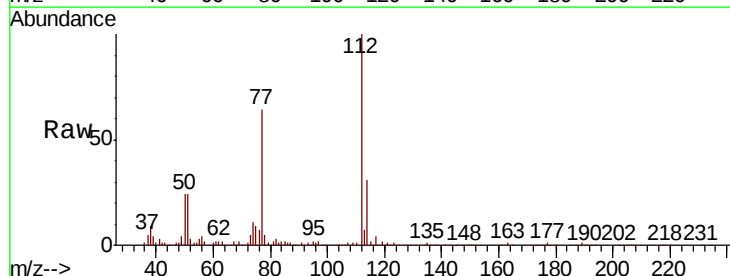
Instrument :
MSVOA_W
ClientSampleId :
SOIL-COMPOSITE

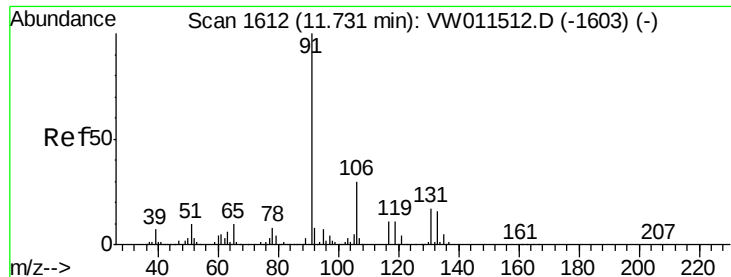
Tgt Ion:117 Resp: 174682
Ion Ratio Lower Upper
117 100
82 61.9 47.9 71.9
119 31.5 26.2 39.2



#65
Chlorobenzene
Concen: 58.966 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011948.D
Acq: 16 Aug 2019 00:46

Tgt Ion:112 Resp: 207086
Ion Ratio Lower Upper
112 100
114 31.2 25.6 38.4

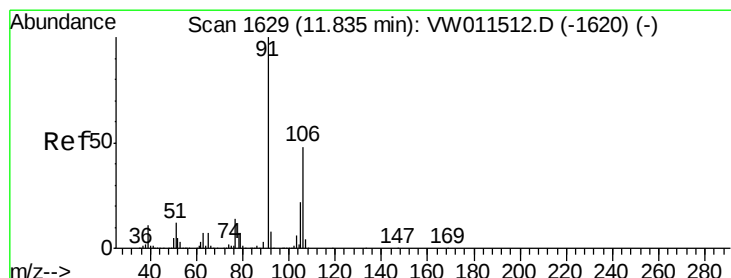
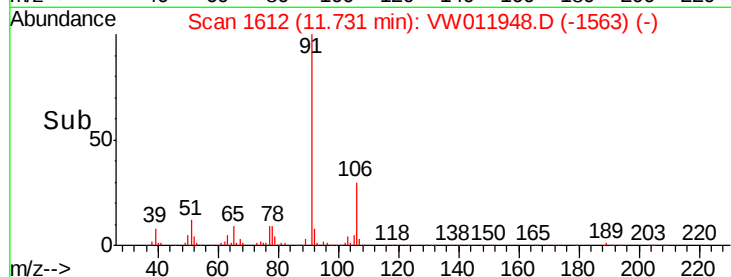
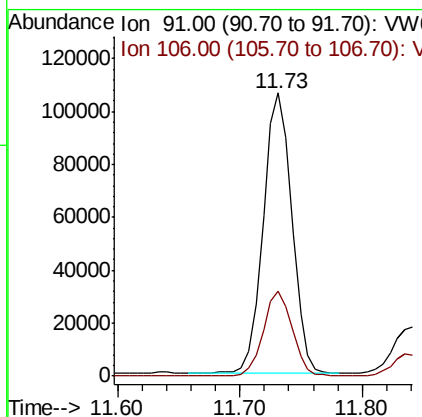
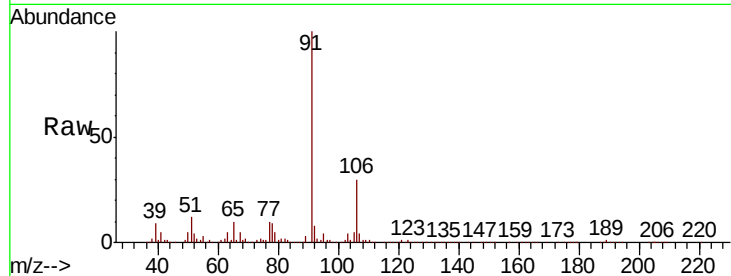




#67
Ethyl Benzene
Concen: 26.018 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011948.D
Acq: 16 Aug 2019 00:46

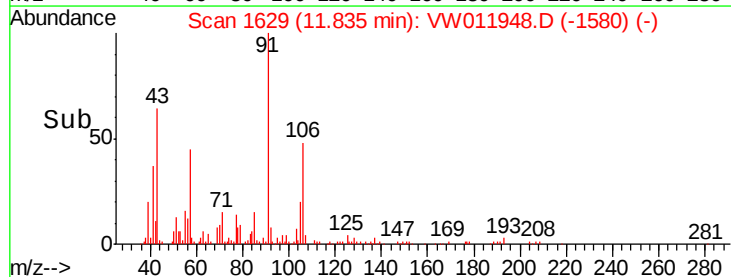
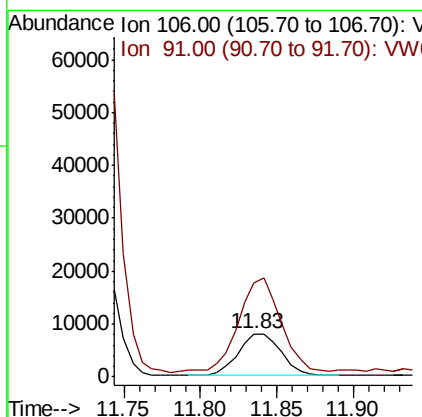
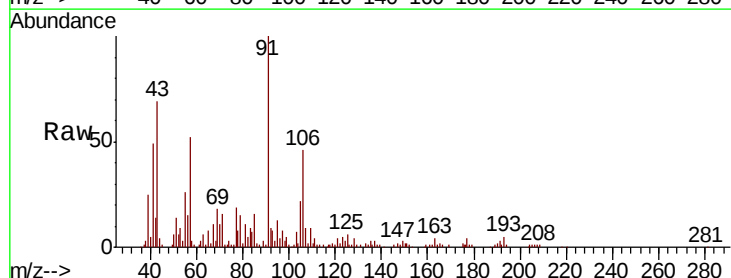
Instrument :
MSVOA_W
ClientSampleId :
SOIL-COMPOSITE

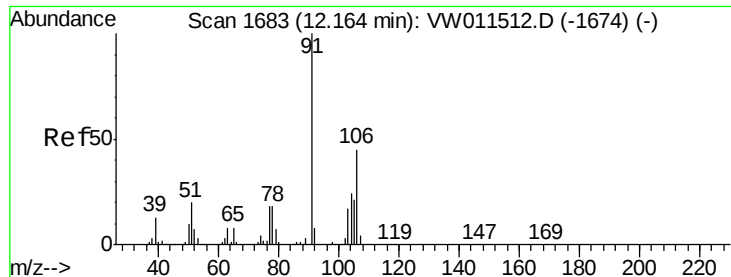
Tgt Ion: 91 Resp: 174026
Ion Ratio Lower Upper
91 100
106 30.1 23.8 35.6



#68
m/p-Xylenes
Concen: 6.347 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW011948.D
Acq: 16 Aug 2019 00:46

Tgt Ion: 106 Resp: 15438
Ion Ratio Lower Upper
106 100
91 220.8 168.2 252.2

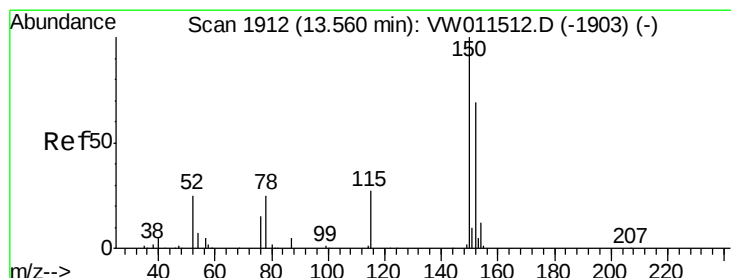
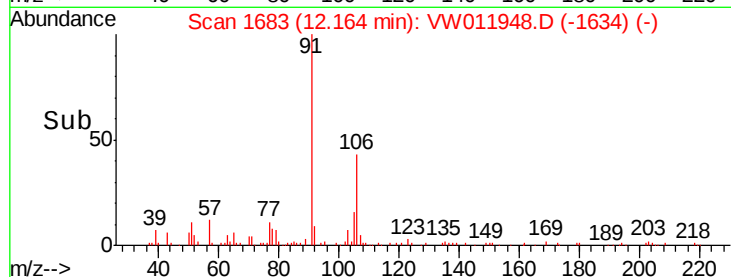
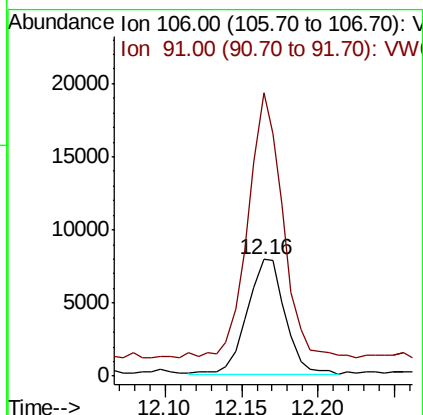
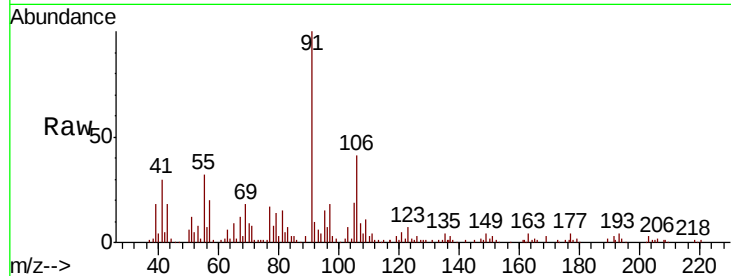




#69
o-Xylene
Concen: 6.046 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011948.D
Acq: 16 Aug 2019 00:46

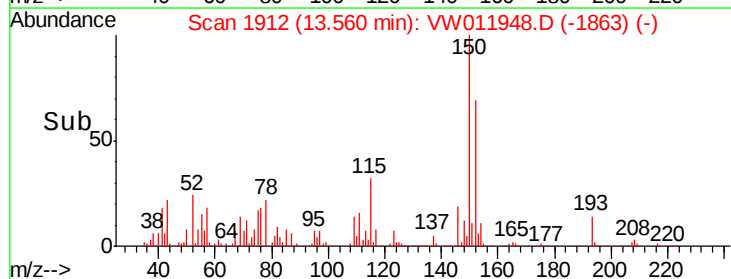
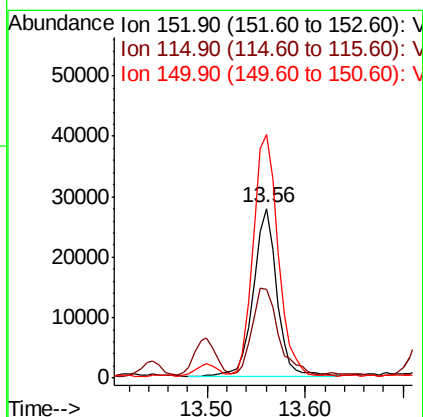
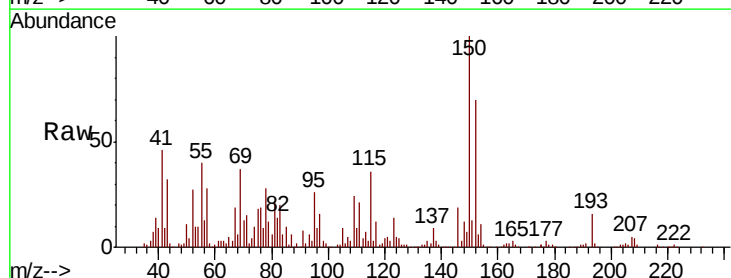
Instrument :
MSVOA_W
ClientSampleId :
SOIL-COMPOSITE

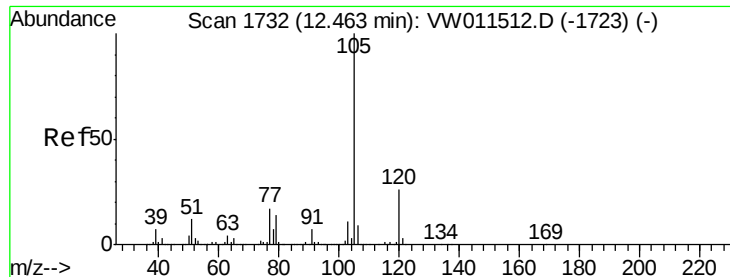
Tgt Ion:106 Resp: 13667
Ion Ratio Lower Upper
106 100
91 213.7 110.5 331.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011948.D
Acq: 16 Aug 2019 00:46

Tgt Ion:152 Resp: 46569
Ion Ratio Lower Upper
152 100
115 57.3 30.5 91.5
150 151.7 0.0 352.6





#73

Isopropylbenzene

Concen: 142.528 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011948.D

Acq: 16 Aug 2019 00:46

Instrument :

MSVOA_W

ClientSampleId :

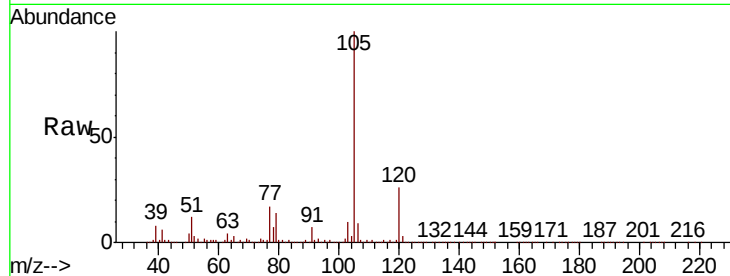
SOIL-COMPOSITE

Tgt Ion:105 Resp: 495166

Ion Ratio Lower Upper

105 100

120 25.8 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

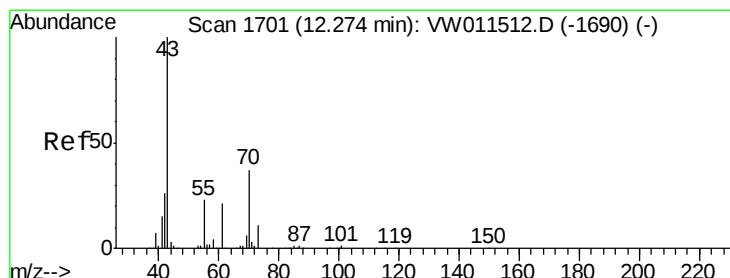
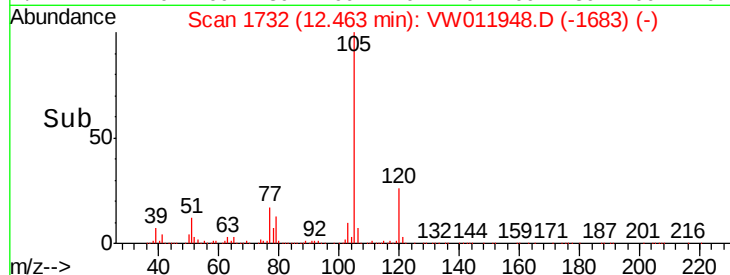
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 27.615 ug/l

RT: 12.25 min Scan# 1697

Delta R.T. -0.02 min

Lab File: VW011948.D

Acq: 16 Aug 2019 00:46

Tgt Ion: 43 Resp: 30036

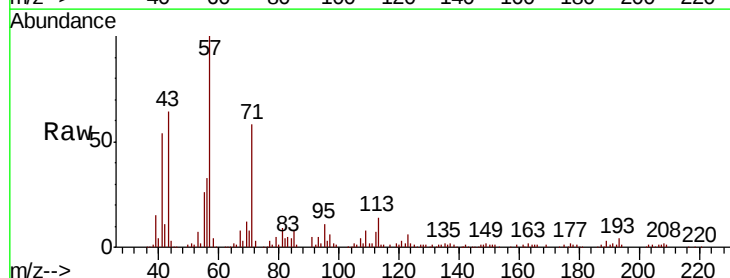
Ion Ratio Lower Upper

43 100

70 16.5 28.6 43.0#

55 33.6 17.8 26.8#

61 0.0 17.0 25.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

30000

25000

20000

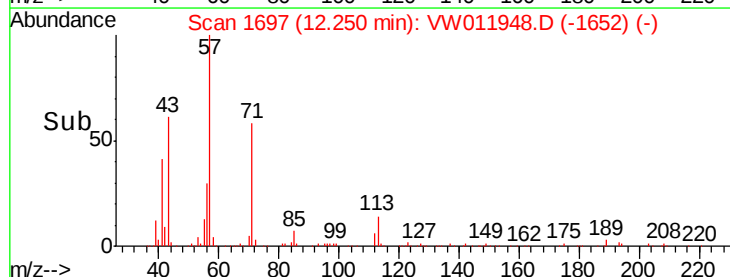
15000

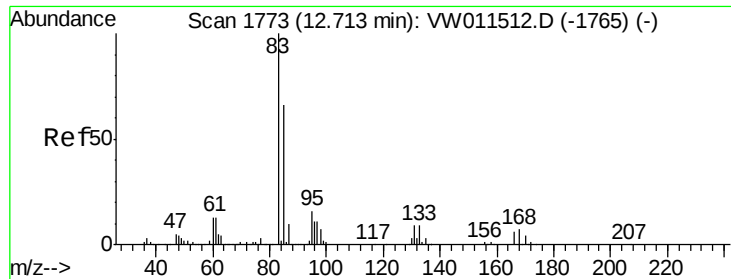
10000

5000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 9.996 ug/l

RT: 12.78 min Scan# 1784

Delta R.T. 0.07 min

Lab File: VW011948.D

Acq: 16 Aug 2019 00:46

Instrument :

MSVOA_W

ClientSampleId :

SOIL-COMPOSITE

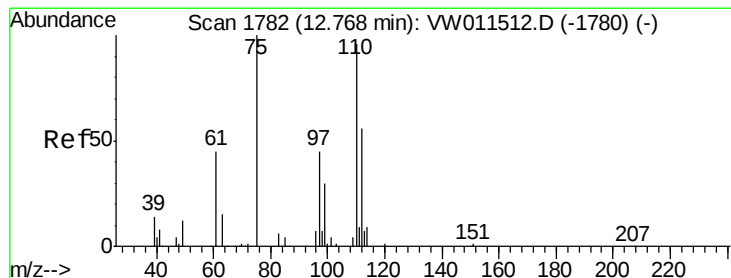
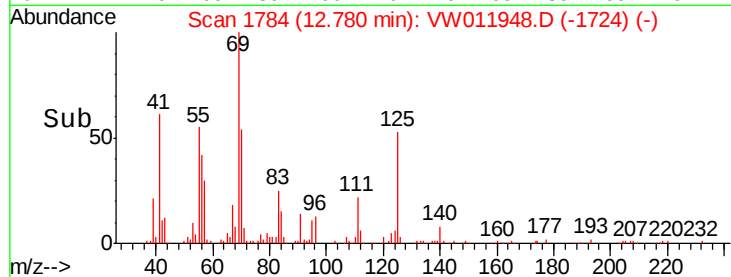
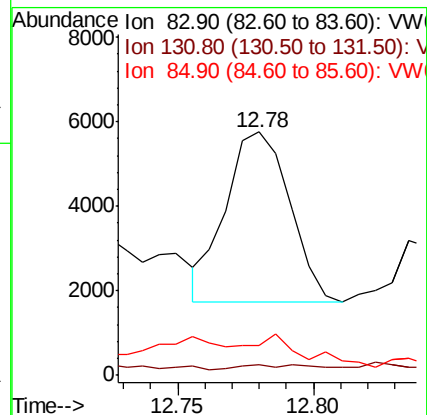
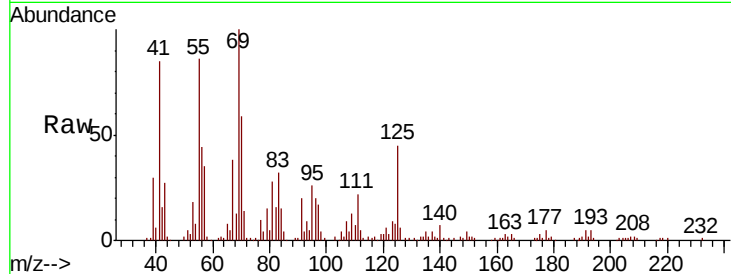
Tgt Ion: 83 Resp: 6532

Ion Ratio Lower Upper

83 100

131 1.3 4.9 14.6#

85 10.8 31.8 95.4#



#76

1,2,3-Trichloropropane

Concen: 28.874 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.13 min

Lab File: VW011948.D

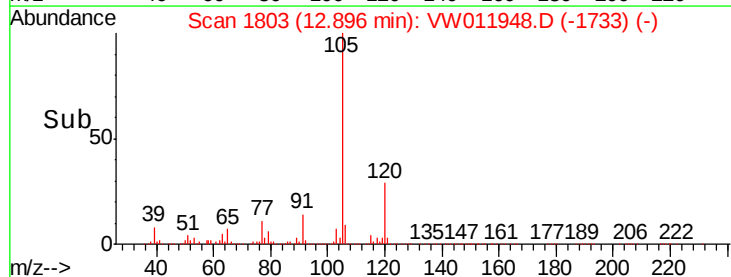
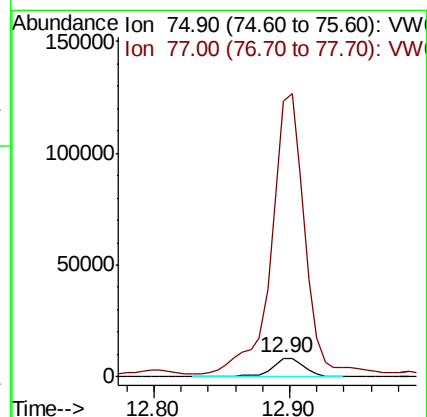
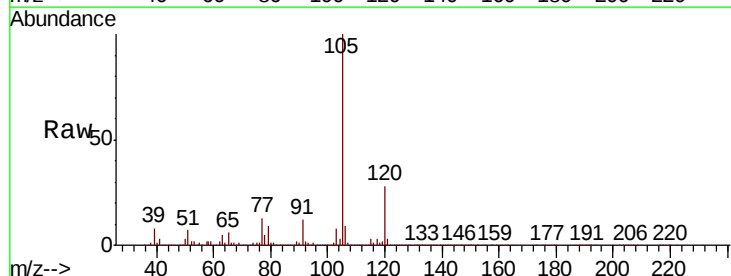
Acq: 16 Aug 2019 00:46

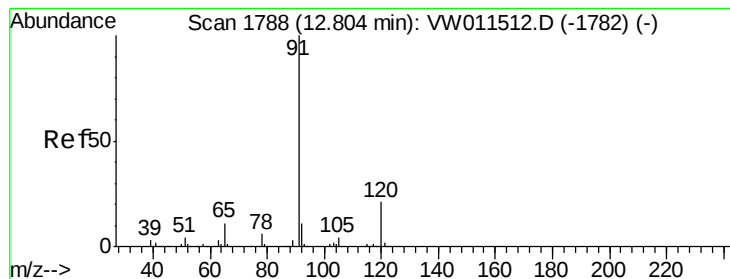
Tgt Ion: 75 Resp: 14228

Ion Ratio Lower Upper

75 100

77 1495.8 0.0 0.0#





#78

n-propylbenzene

Concen: 14.331 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW011948.D

Acq: 16 Aug 2019 00:46

Instrument :

MSVOA_W

ClientSampleId :

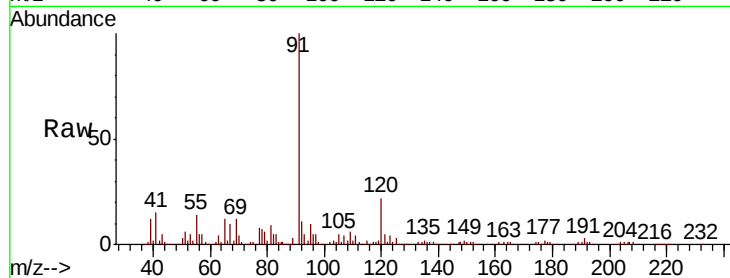
SOIL-COMPOSITE

Tgt Ion: 91 Resp: 60594

Ion Ratio Lower Upper

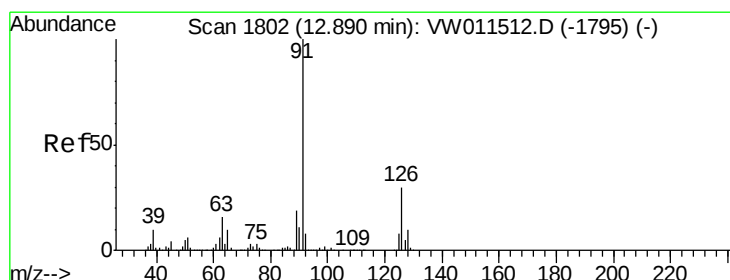
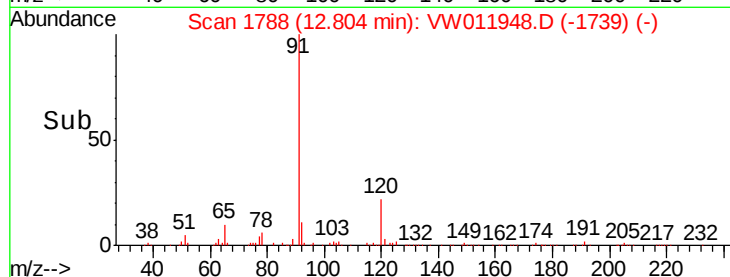
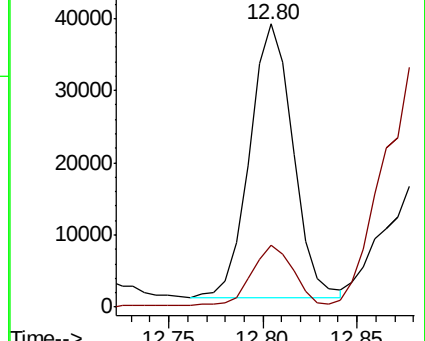
91 100

120 0.0 10.9 32.7#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 81.455 ug/l

RT: 12.90 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VW011948.D

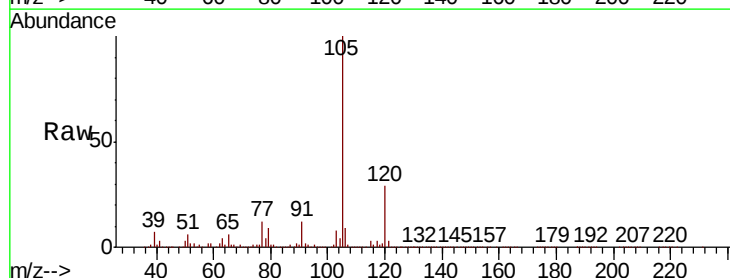
Acq: 16 Aug 2019 00:46

Tgt Ion: 91 Resp: 198408

Ion Ratio Lower Upper

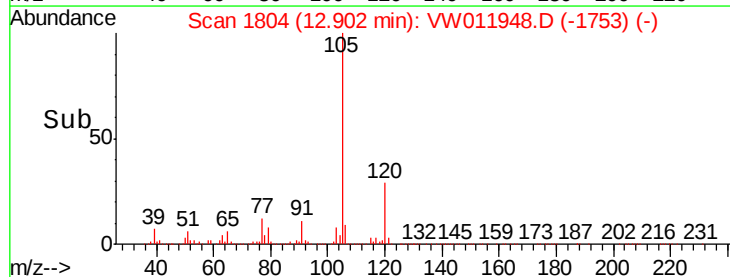
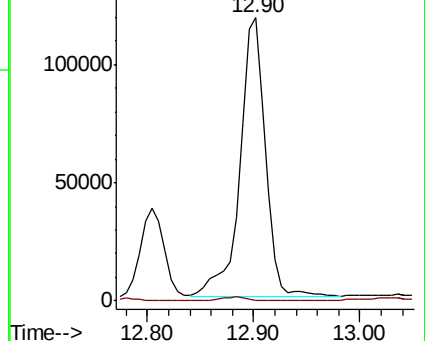
91 100

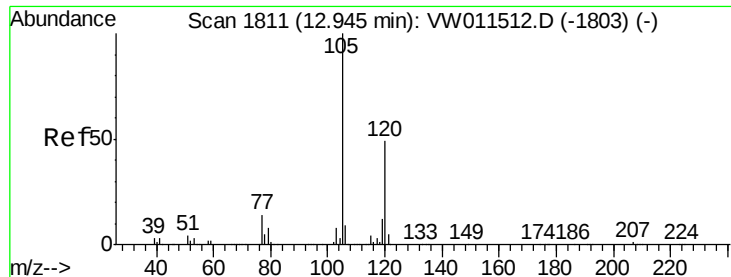
126 1.5 15.7 47.1#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

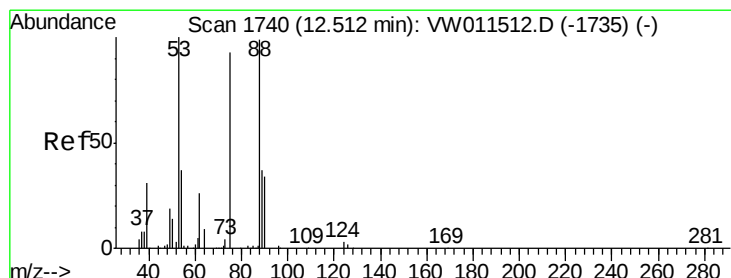
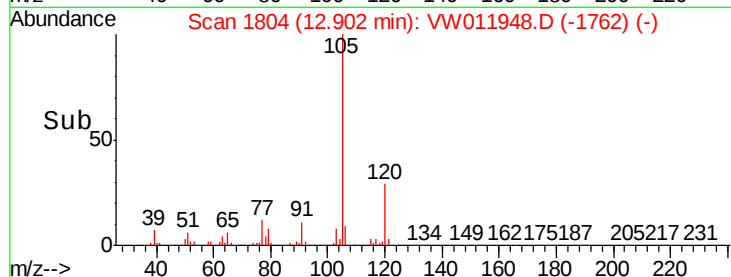
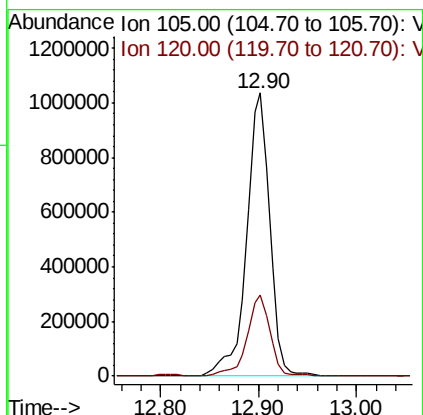
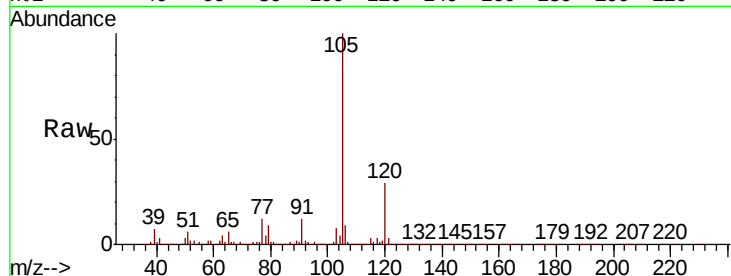




#80
 1,3,5-Trimethylbenzene
 Concen: 581.173 ug/l
 RT: 12.90 min Scan# 1804
 Delta R.T. -0.04 min
 Lab File: VW011948.D
 Acq: 16 Aug 2019 00:46

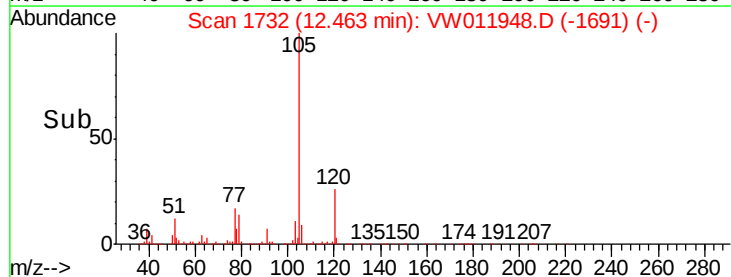
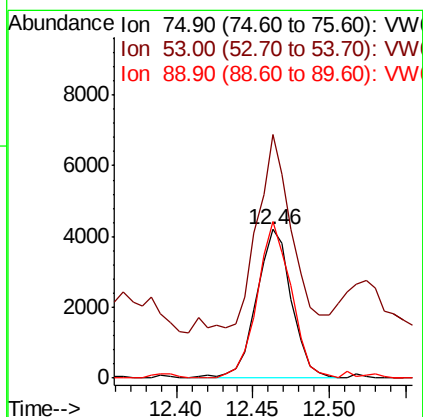
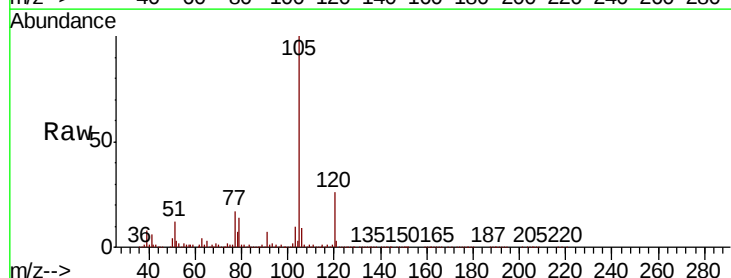
Instrument :
 MSVOA_W
 ClientSampleId :
 SOIL-COMPOSITE

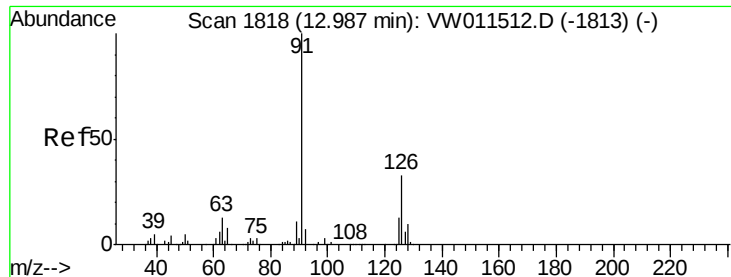
Tgt Ion: 105 Resp: 1692500
 Ion Ratio Lower Upper
 105 100
 120 28.8 24.1 72.3



#81
 trans-1,4-Dichloro-2-butene
 Concen: 31.435 ug/l
 RT: 12.46 min Scan# 1732
 Delta R.T. -0.05 min
 Lab File: VW011948.D
 Acq: 16 Aug 2019 00:46

Tgt Ion: 75 Resp: 6721
 Ion Ratio Lower Upper
 75 100
 53 122.9 88.0 132.0
 89 101.5 35.3 52.9#

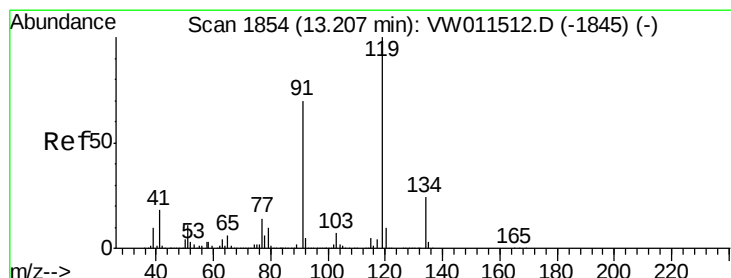
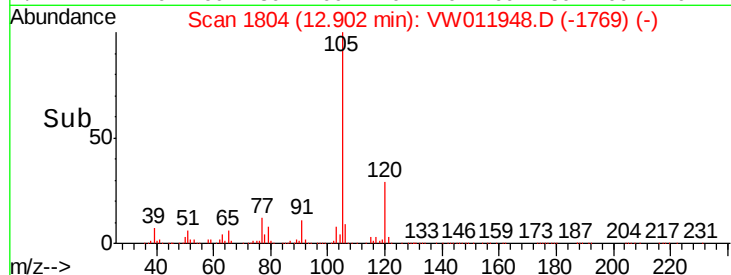
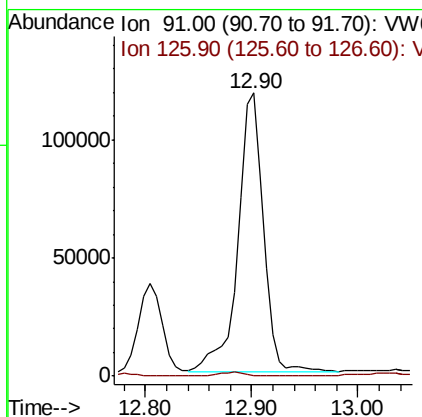
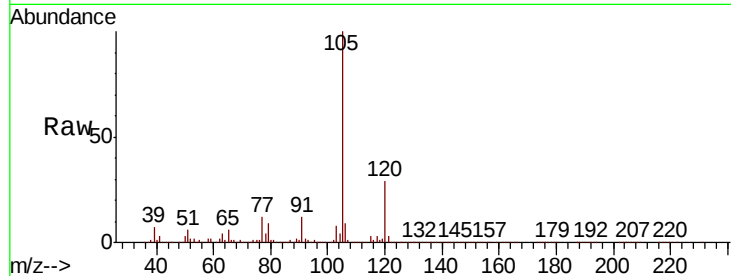




#82
4-Chlorotoluene
Concen: 77.635 ug/l
RT: 12.90 min Scan# 1804
Delta R.T. -0.09 min
Lab File: VW011948.D
Acq: 16 Aug 2019 00:46

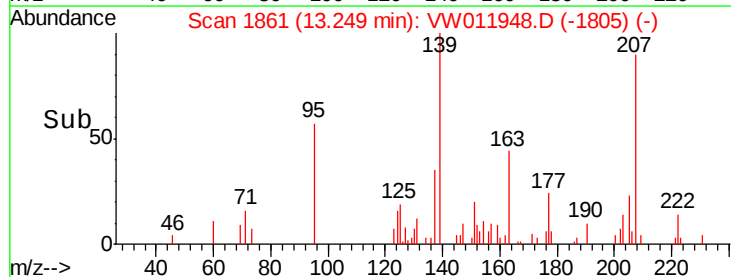
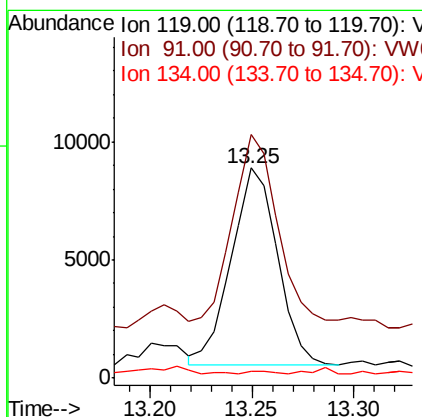
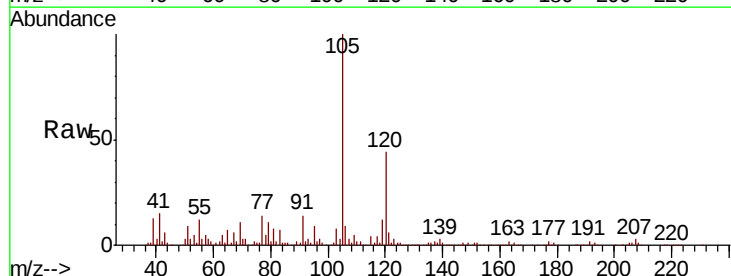
Instrument :
MSVOA_W
ClientSampleId :
SOIL-COMPOSITE

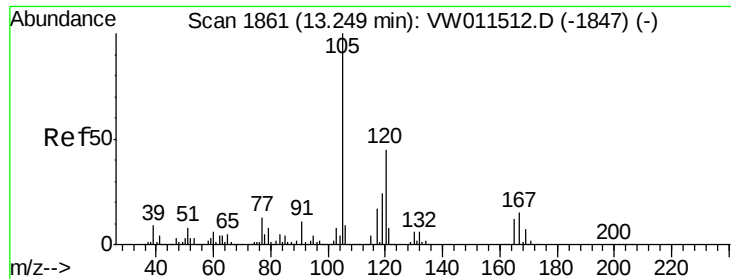
Tgt Ion: 91 Resp: 198408
Ion Ratio Lower Upper
91 100
126 1.5 15.6 46.8#



#83
tert-Butylbenzene
Concen: 5.396 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.04 min
Lab File: VW011948.D
Acq: 16 Aug 2019 00:46

Tgt Ion: 119 Resp: 13140
Ion Ratio Lower Upper
119 100
91 90.1 34.5 103.6
134 0.0 12.4 37.4#

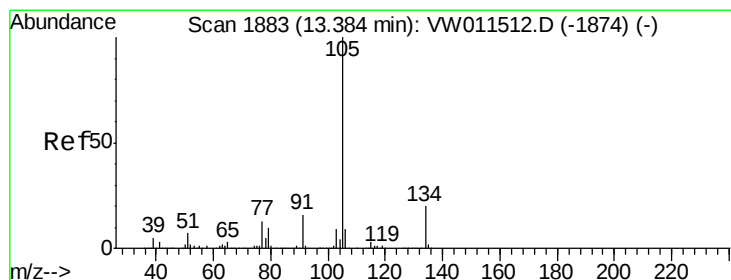
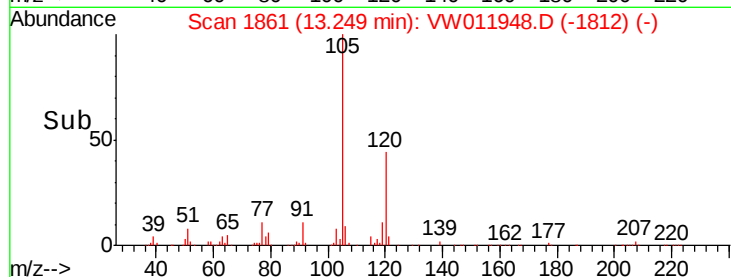
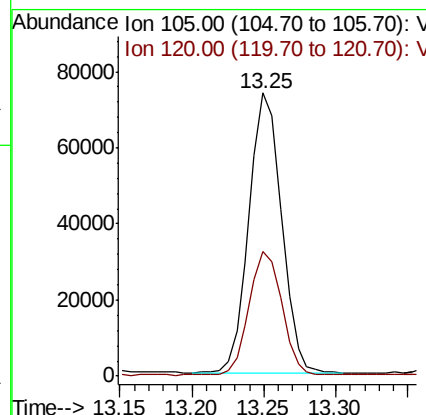
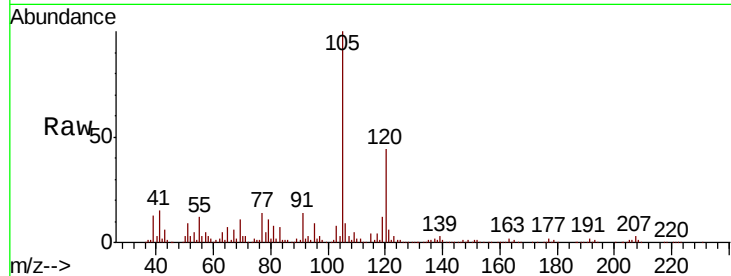




#84
 1,2,4-Trimethylbenzene
 Concen: 39.259 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW011948.D
 Acq: 16 Aug 2019 00:46

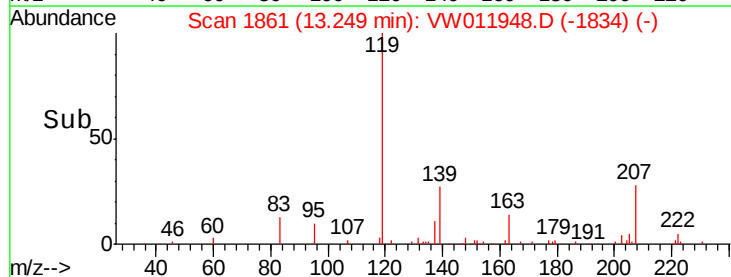
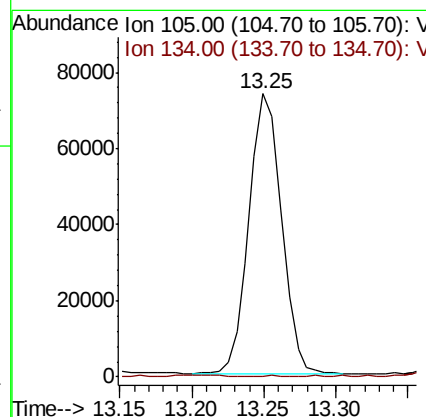
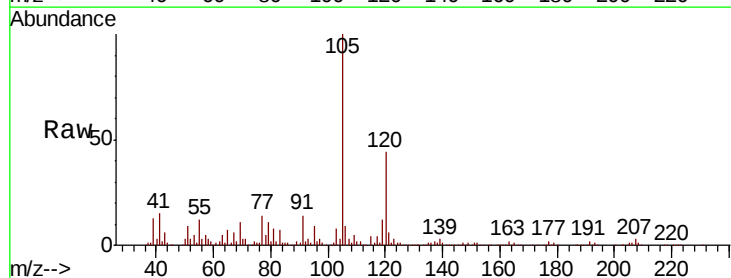
Instrument :
 MSVOA_W
 ClientSampleId :
 SOIL-COMPOSITE

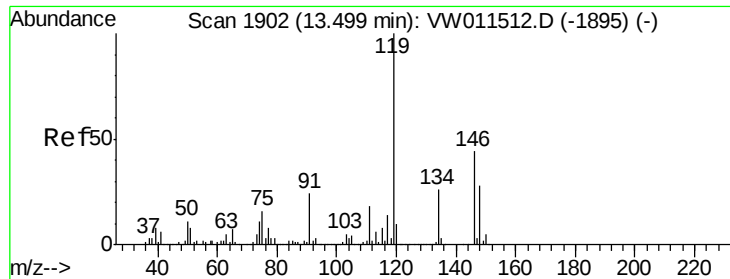
Tgt Ion:105 Resp: 115173
 Ion Ratio Lower Upper
 105 100
 120 43.6 22.1 66.5



#85
 sec-Butylbenzene
 Concen: 33.144 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.13 min
 Lab File: VW011948.D
 Acq: 16 Aug 2019 00:46

Tgt Ion:105 Resp: 115173
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.7 29.1#

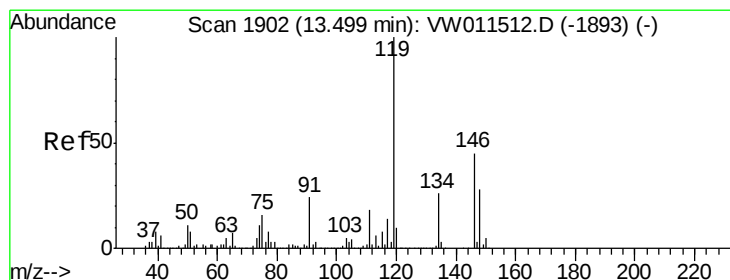
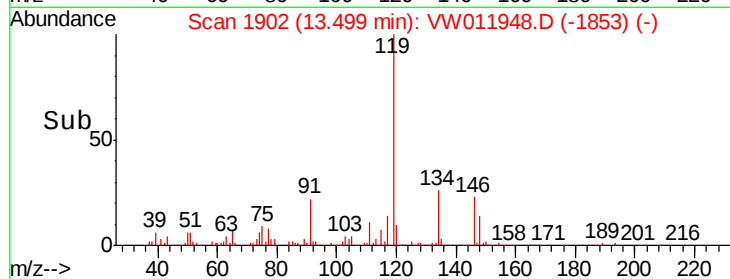
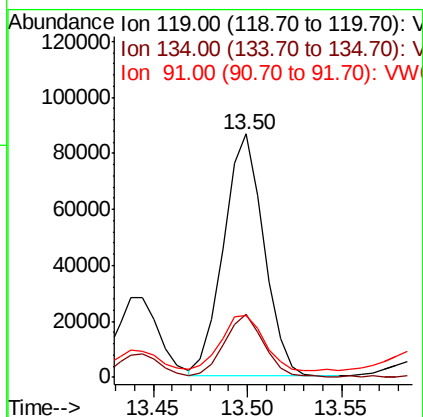
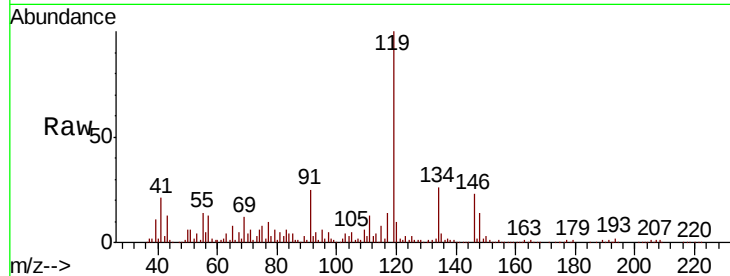




#86
 p-Isopropyltoluene
 Concen: 40.344 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011948.D
 Acq: 16 Aug 2019 00:46

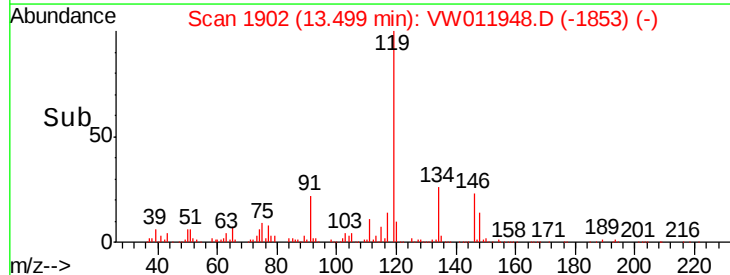
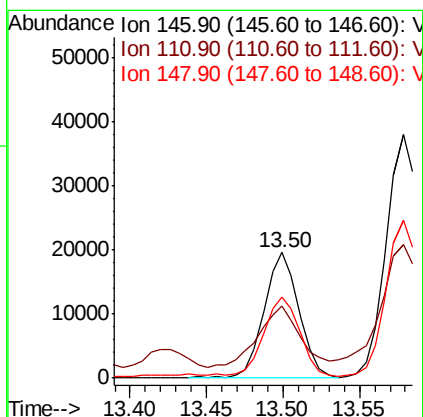
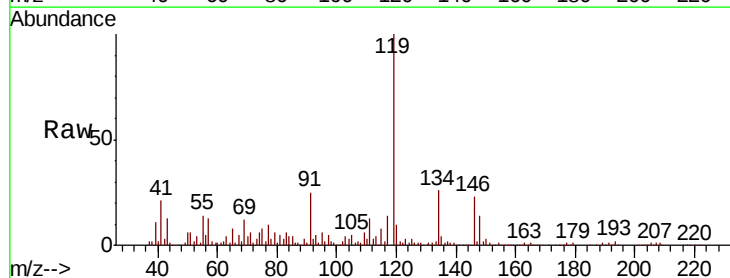
Instrument :
 MSVOA_W
 ClientSampleId :
 SOIL-COMPOSITE

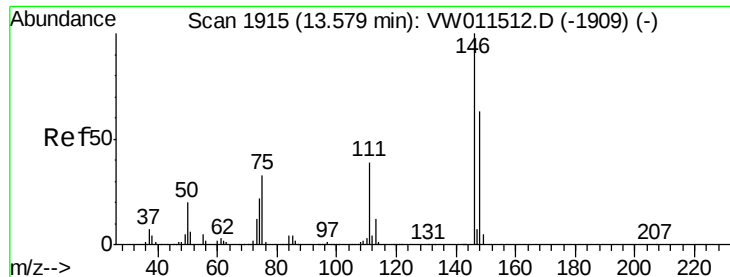
Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.8	38.4
91	24.2	12.1	36.3



#87
 1,3-Dichlorobenzene
 Concen: 20.488 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011948.D
 Acq: 16 Aug 2019 00:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	58.2	20.5	61.6
148	67.3	31.8	95.3

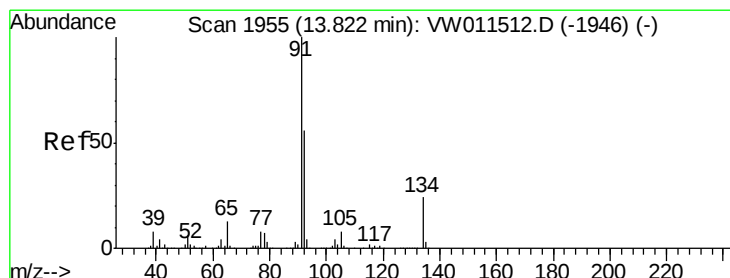
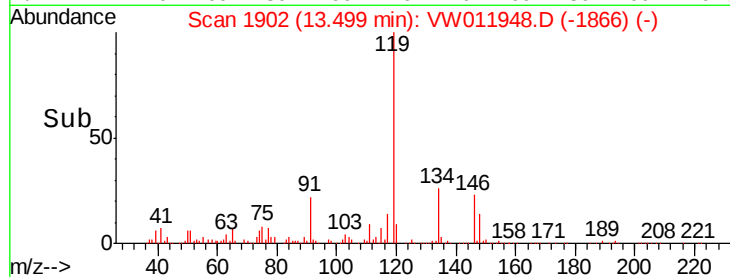
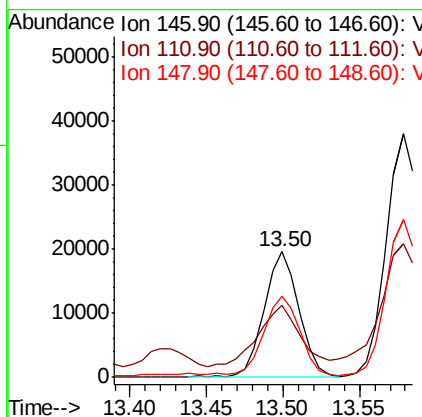
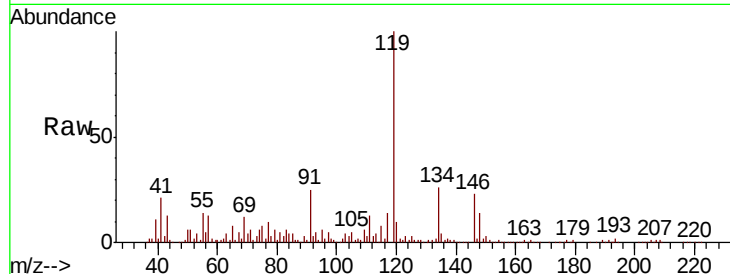




#88
 1,4-Dichlorobenzene
 Concen: 20.596 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.08 min
 Lab File: VW011948.D
 Acq: 16 Aug 2019 00:46

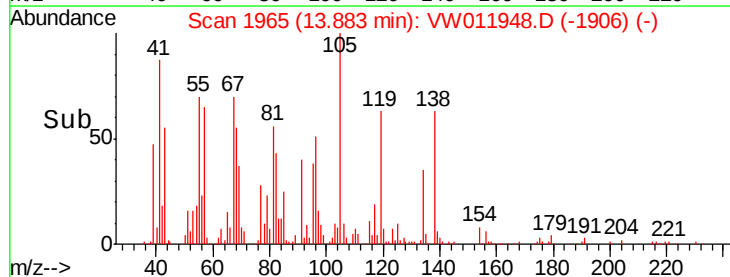
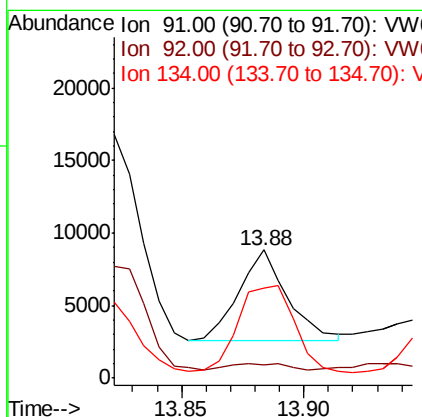
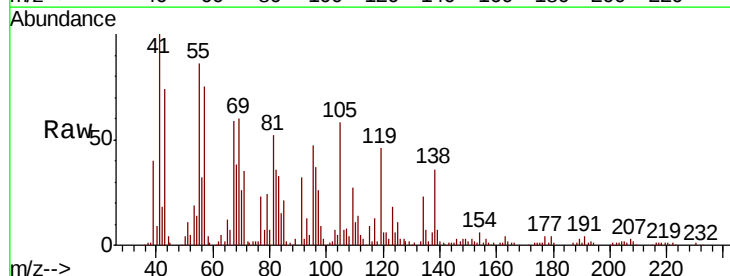
Instrument :
 MSVOA_W
 ClientSampleId :
 SOIL-COMPOSITE

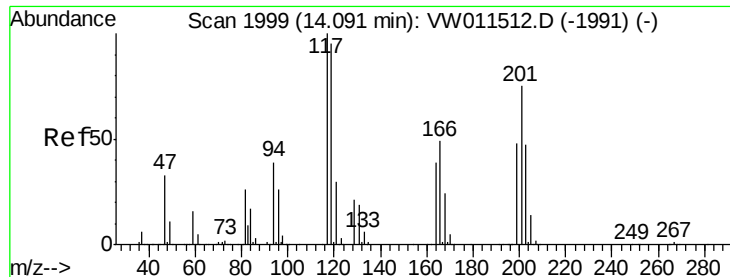
Tgt Ion:146 Resp: 30848
 Ion Ratio Lower Upper
 146 100
 111 58.5 20.1 60.2
 148 67.3 31.9 95.9



#89
 n-Butylbenzene
 Concen: 2.754 ug/l
 RT: 13.88 min Scan# 1965
 Delta R.T. 0.06 min
 Lab File: VW011948.D
 Acq: 16 Aug 2019 00:46

Tgt Ion: 91 Resp: 8665
 Ion Ratio Lower Upper
 91 100
 92 0.0 27.5 82.4#
 134 112.1 12.2 36.6#





#90

Hexachloroethane

Concen: 98.009 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.01 min

Lab File: VW011948.D

Acq: 16 Aug 2019 00:46

Instrument :

MSVOA_W

ClientSampleId :

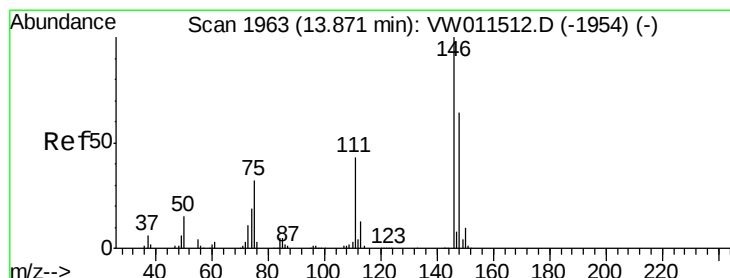
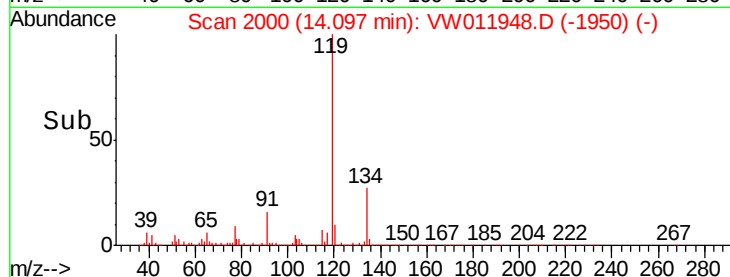
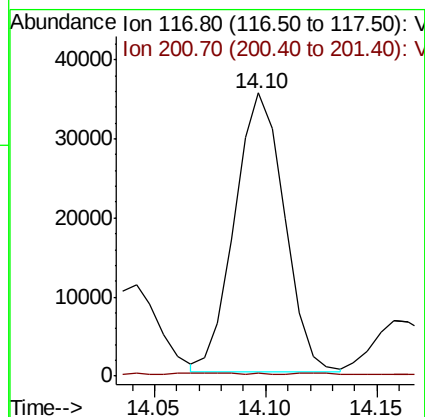
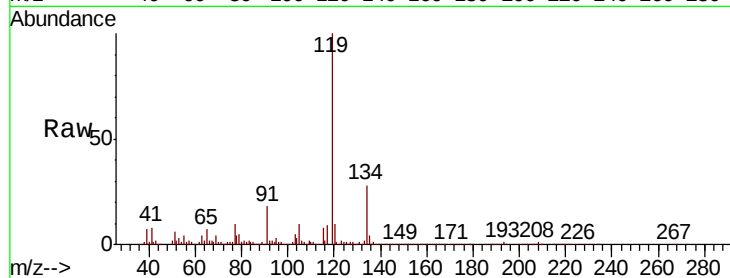
SOIL-COMPOSITE

Tgt Ion:117 Resp: 54641

Ion Ratio Lower Upper

117 100

201 0.0 39.4 118.2#



#91

1,2-Dichlorobenzene

Concen: 2.547 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW011948.D

Acq: 16 Aug 2019 00:46

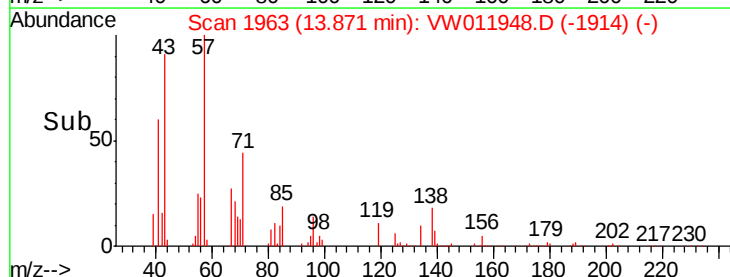
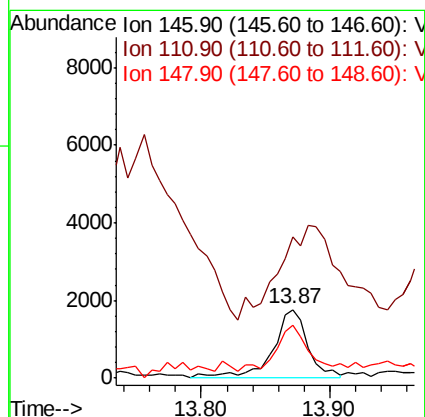
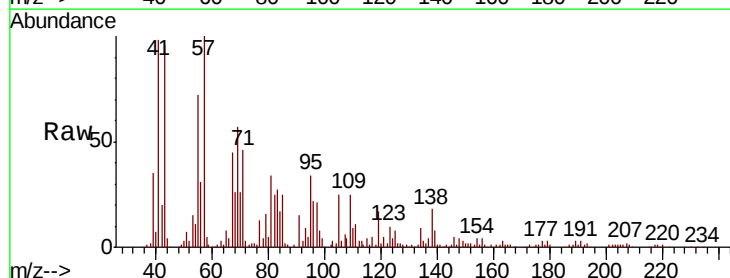
Tgt Ion:146 Resp: 3392

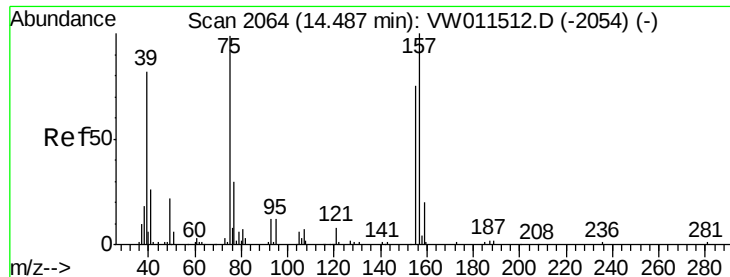
Ion Ratio Lower Upper

146 100

111 244.0 21.6 65.0#

148 59.1 32.0 96.2

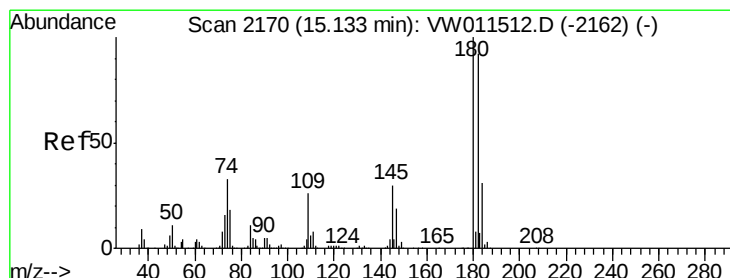
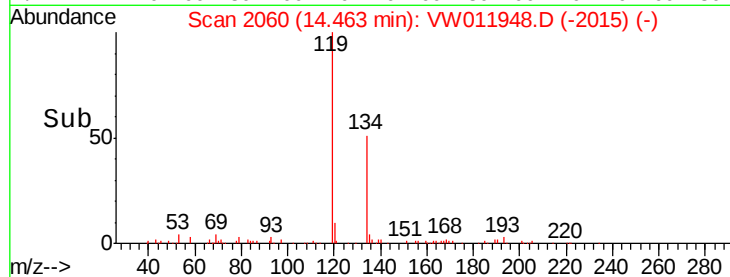
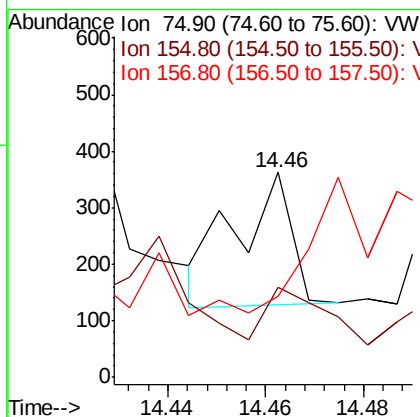
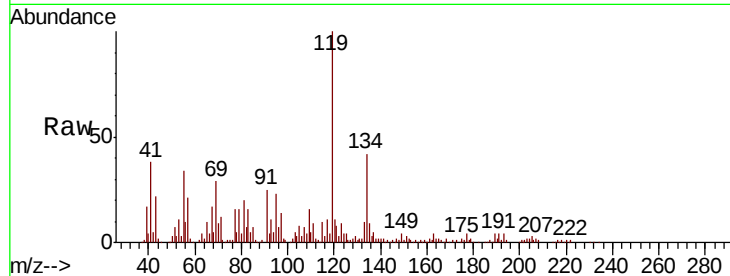




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.660 ug/l
 RT: 14.46 min Scan# 2060
 Delta R.T. -0.02 min
 Lab File: VW011948.D
 Acq: 16 Aug 2019 00:46

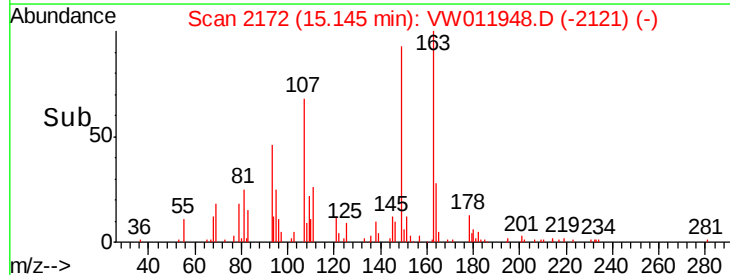
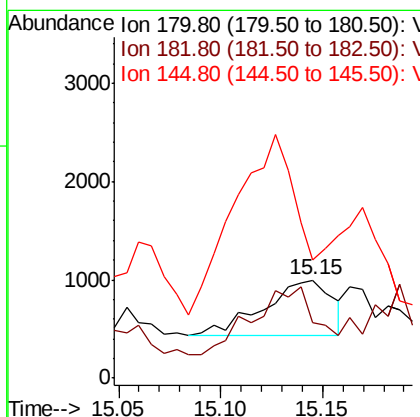
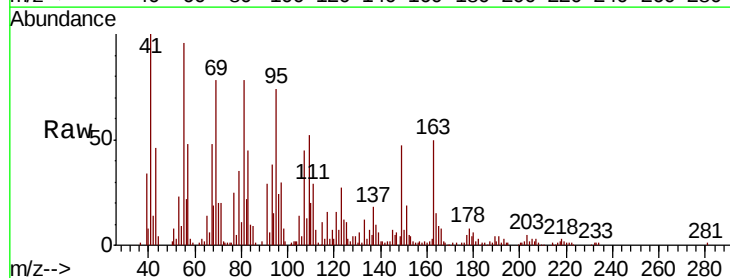
Instrument :
 MSVOA_W
 ClientSampleId :
 SOIL-COMPOSITE

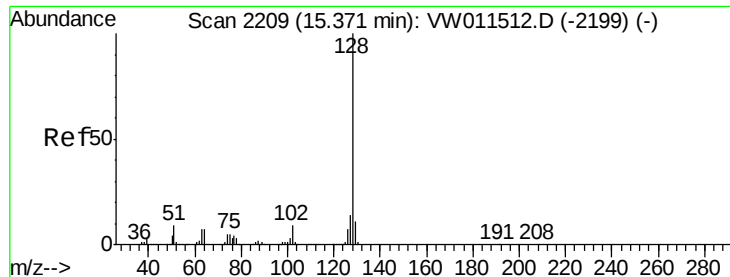
Tgt Ion: 75 Resp: 185
 Ion Ratio Lower Upper
 75 100
 155 44.9 38.2 114.6
 157 94.1 48.9 146.7



#93
 1,2,4-Trichlorobenzene
 Concen: 1.411 ug/l
 RT: 15.15 min Scan# 2172
 Delta R.T. 0.01 min
 Lab File: VW011948.D
 Acq: 16 Aug 2019 00:46

Tgt Ion: 180 Resp: 1324
 Ion Ratio Lower Upper
 180 100
 182 116.0 47.4 142.2
 145 327.5 15.4 46.1#

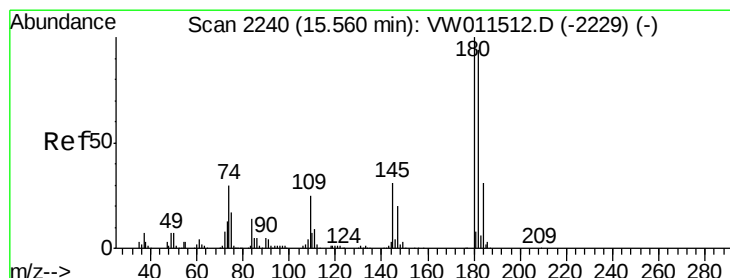
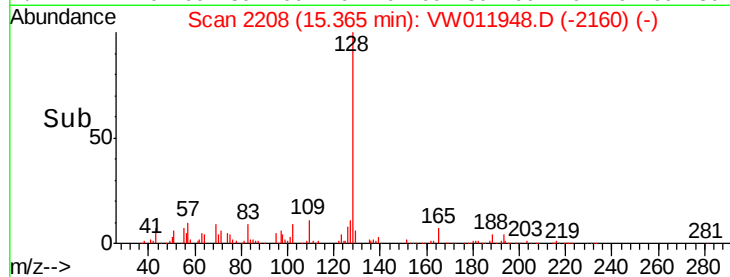
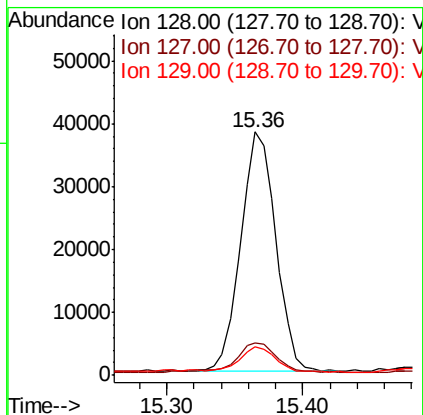
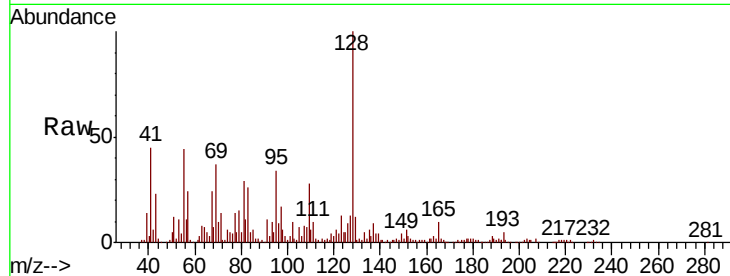




#95
Naphthalene
Concen: 37.871 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW011948.D
Acq: 16 Aug 2019 00:46

Instrument :
MSVOA_W
ClientSampleId :
SOIL-COMPOSITE

Tgt Ion:128 Resp: 68664
Ion Ratio Lower Upper
128 100
127 15.0 10.6 16.0
129 11.6 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 2.534 ug/l
RT: 15.58 min Scan# 2243
Delta R.T. 0.02 min
Lab File: VW011948.D
Acq: 16 Aug 2019 00:46

Tgt Ion:180 Resp: 2085
Ion Ratio Lower Upper
180 100
182 14.0 47.4 142.2#
145 0.0 15.9 47.7#

