

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062919\
 Data File : VW011071.D
 Acq On : 28 Jun 2019 19:35
 Operator : SY/VA
 Sample : K3563-03
 Misc : 7.27G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SOIL-COMP-2

Quant Time: Jun 29 01:52:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062819S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 28 01:55:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	147113	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	281832	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	233590	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	105876	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	89239	46.40	ug/l	0.00
Spiked Amount			Recovery	=	92.80%	
35) Dibromofluoromethane	7.88	113	69778	40.55	ug/l	0.00
Spiked Amount			Recovery	=	81.10%	
50) Toluene-d8	10.32	98	235539	33.25	ug/l	0.00
Spiked Amount			Recovery	=	66.50%	
62) 4-Bromofluorobenzene	12.62	95	92562	35.72	ug/l	0.00
Spiked Amount			Recovery	=	71.44%	

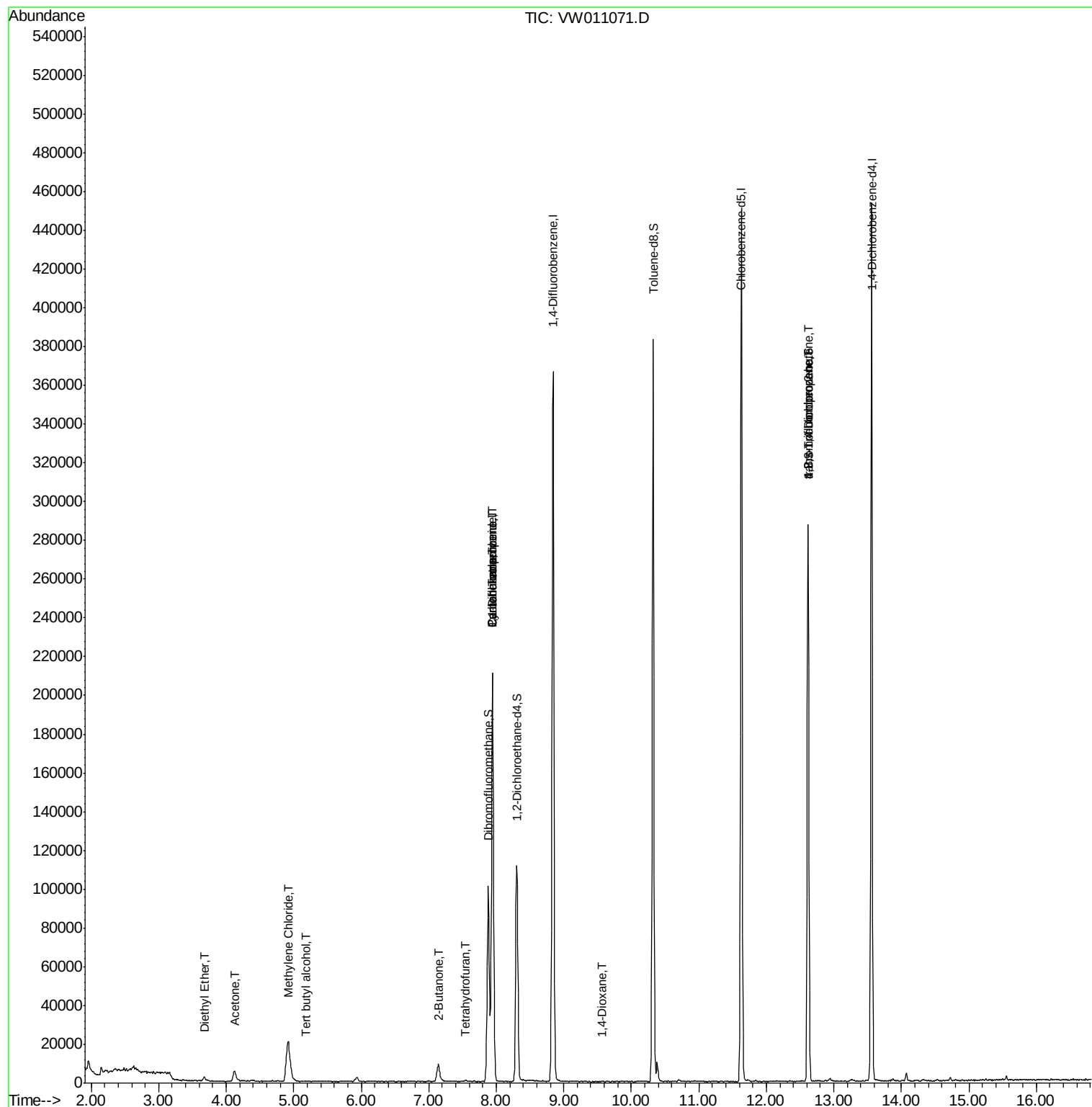
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	905	1.005	ug/l	71
11) Tert butyl alcohol	5.17	59	180	1.289	ug/l #	71
16) Acetone	4.13	43	10868	23.151	ug/l	93
20) Methylene Chloride	4.92	84	17968	9.421	ug/l	96
25) 2-Butanone	7.15	43	821	1.151	ug/l #	54
29) Tetrahydrofuran	7.53	42	661	1.488	ug/l #	49
31) Cyclohexane	7.95	56	4227	1.149	ug/l #	2
36) 1,1-Dichloropropene	7.95	75	13314	4.395	ug/l #	51
38) Carbon Tetrachloride	7.95	117	15839	6.349	ug/l #	16
49) 1,4-Dioxane	9.57	88	38	2.136	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	50675	45.336	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	50675	92.650	ug/l #	3

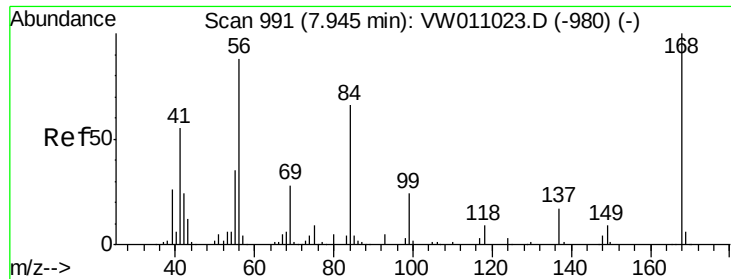
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW011071.D

Acq: 28 Jun 2019 19:35

Instrument :

MSVOA_W

ClientSampleId :

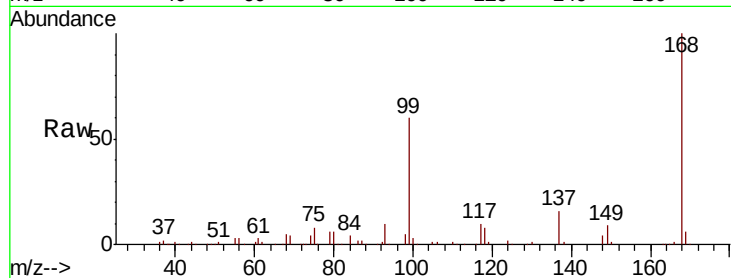
SOIL-COMP-2

Tot Ion:168 Resp: 147113

Ion Ratio Lower Upper

168 100

99 59.8 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

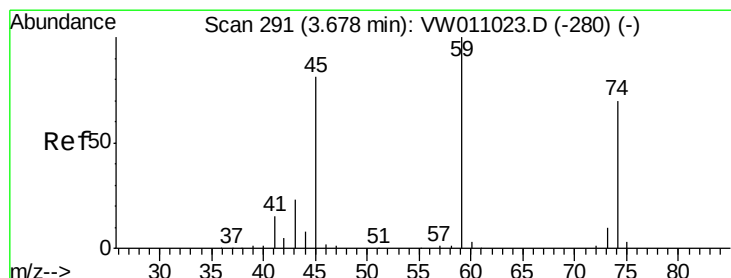
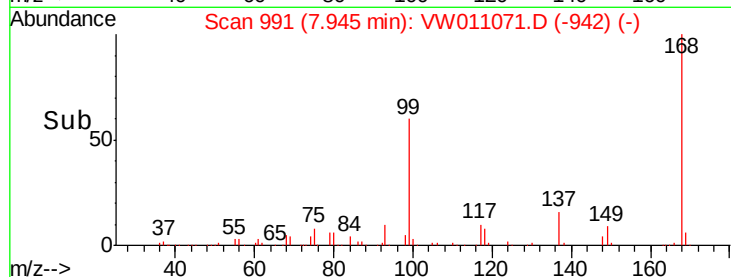
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#8

Diethyl Ether

Concen: 1.005 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW011071.D

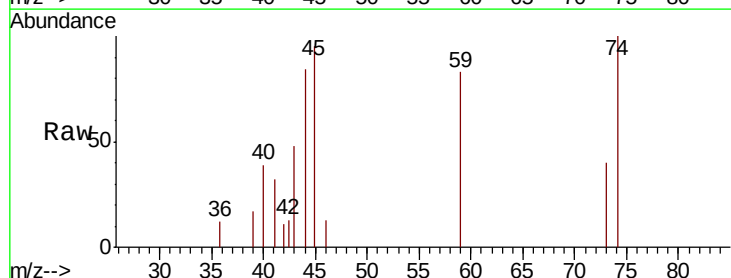
Acq: 28 Jun 2019 19:35

Tgt Ion: 74 Resp: 905

Ion Ratio Lower Upper

74 100

45 150.6 59.5 178.5



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

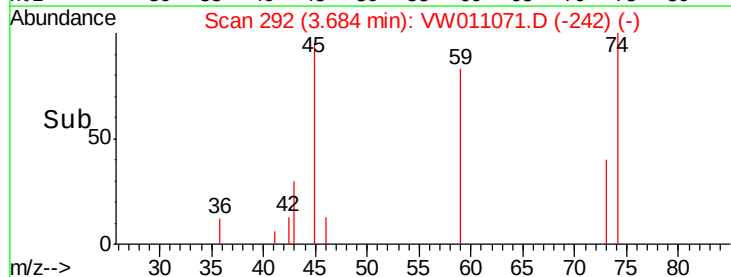
600

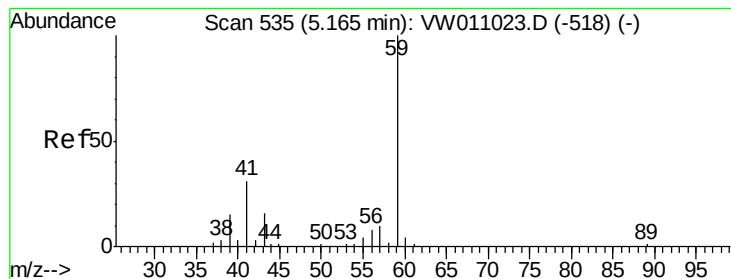
400

200

0

Time--> 3.60 3.65 3.70 3.75



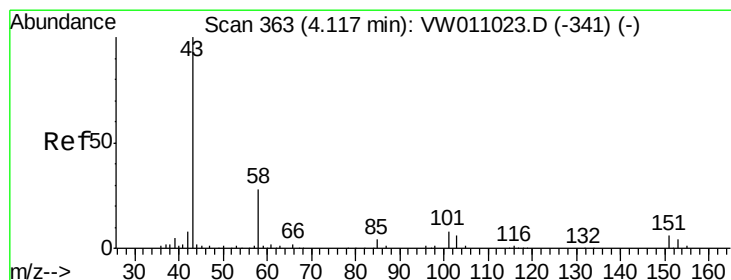
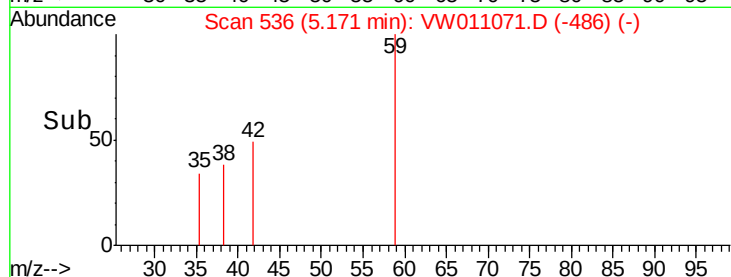
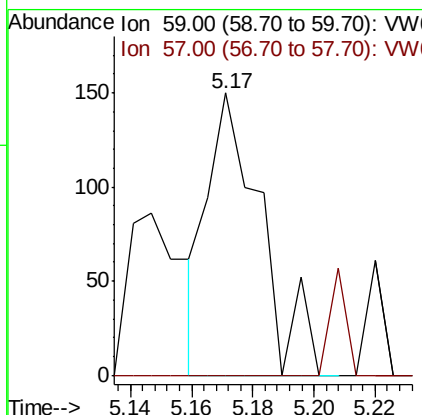
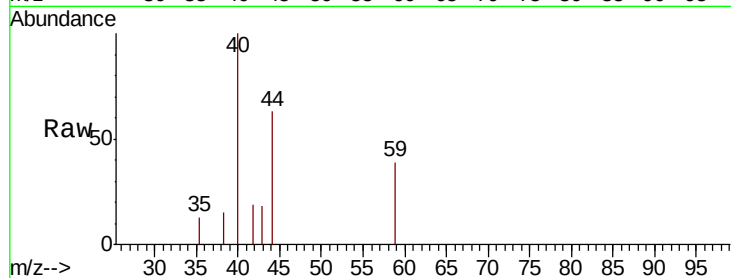


#11

Tert butyl alcohol
 Concen: 1.289 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.01 min
 Lab File: VW011071.D
 Acq: 28 Jun 2019 19:35

Instrument :
 MSVOA_W
 ClientSampleId :
 SOIL-COMP-2

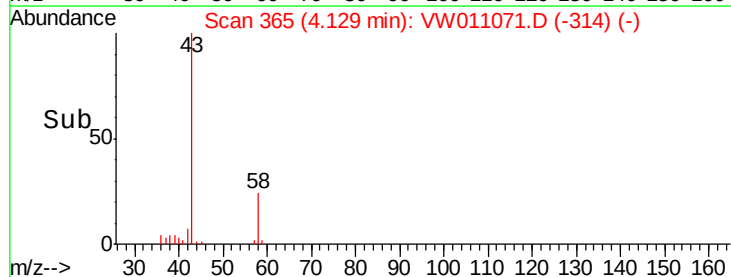
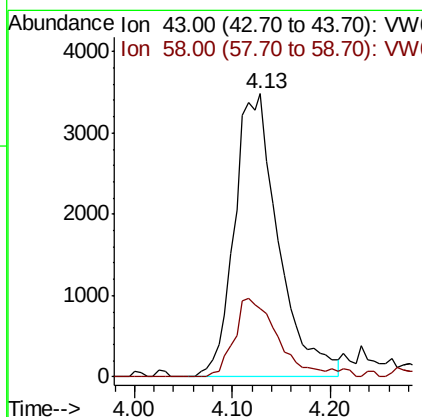
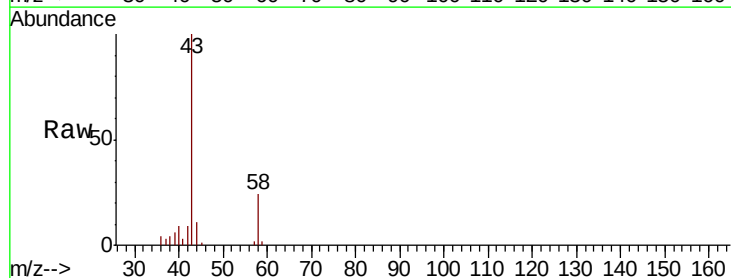
Tot Ion: 59 Resp: 180
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.4#

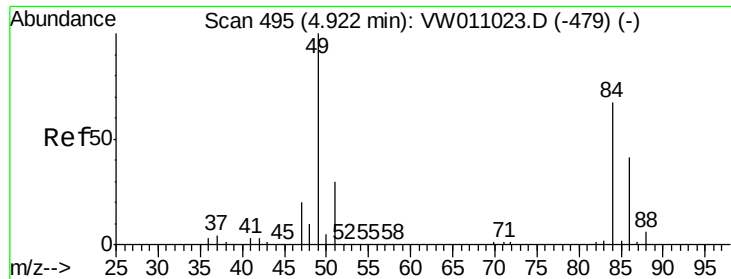


#16

Acetone
 Concen: 23.151 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VW011071.D
 Acq: 28 Jun 2019 19:35

Tgt Ion: 43 Resp: 10868
 Ion Ratio Lower Upper
 43 100
 58 24.3 22.5 33.7

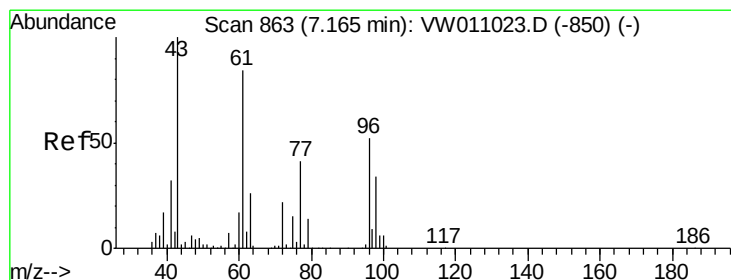
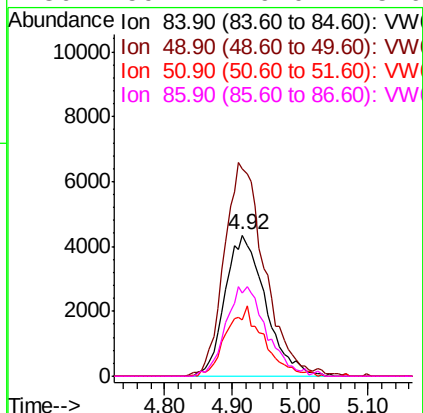
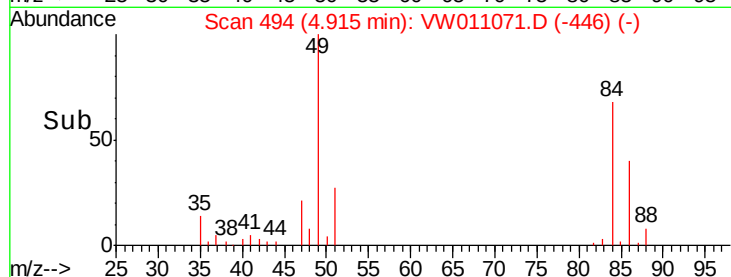
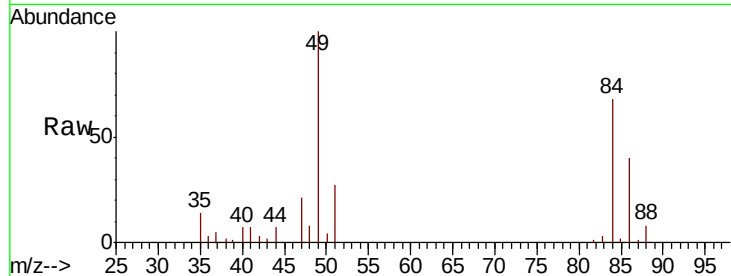




#20
Methylene Chloride
Concen: 9.421 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011071.D
Acq: 28 Jun 2019 19:35

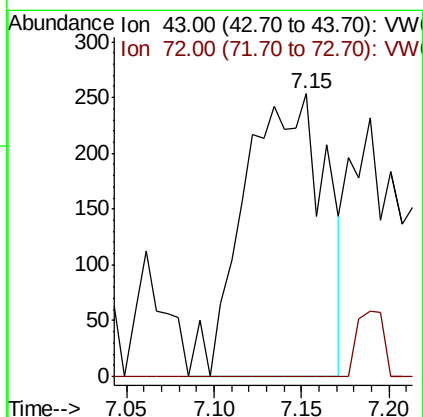
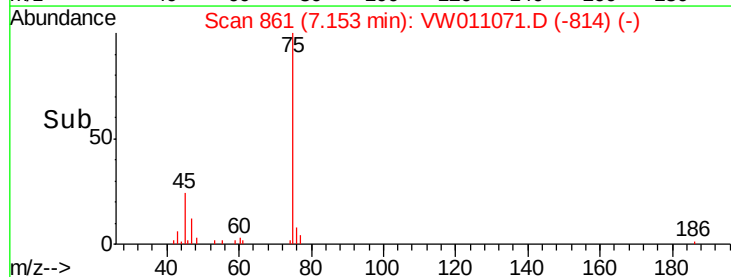
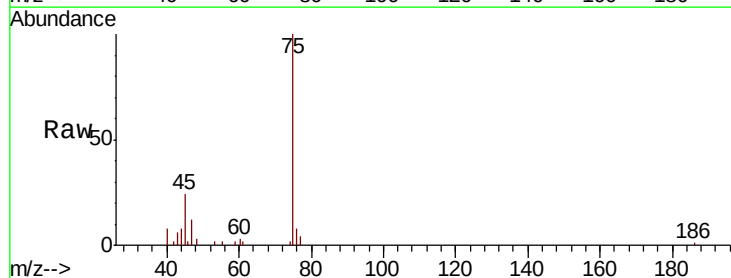
Instrument :
MSVOA_W
ClientSampled :
SOIL-COMP-2

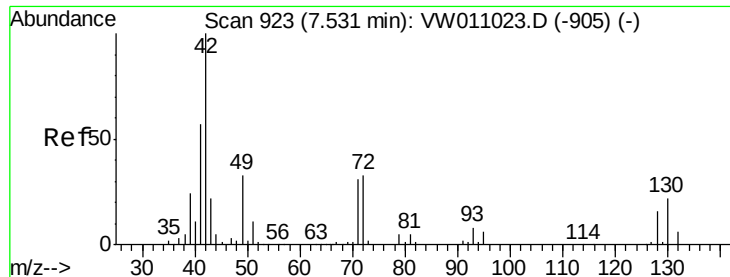
Tot Ion: 84 Resp: 17968
Ion Ratio Lower Upper
84 100
49 145.8 119.6 179.4
51 39.8 35.6 53.4
86 59.1 49.0 73.6



#25
2-Butanone
Concen: 1.151 ug/l
RT: 7.15 min Scan# 861
Delta R.T. -0.01 min
Lab File: VW011071.D
Acq: 28 Jun 2019 19:35

Tgt Ion: 43 Resp: 821
Ion Ratio Lower Upper
43 100
72 0.0 17.2 25.8#





#29

Tetrahydrofuran

Concen: 1.488 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW011071.D

Acq: 28 Jun 2019 19:35

Instrument :

MSVOA_W

ClientSampleId :

SOIL-COMP-2

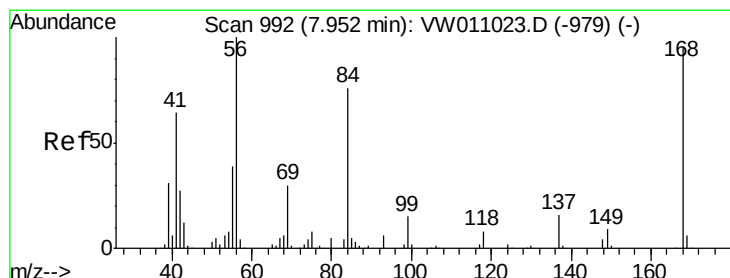
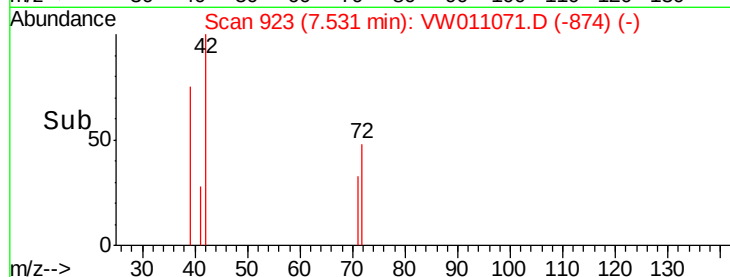
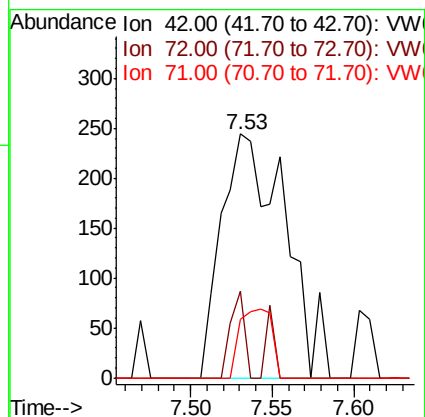
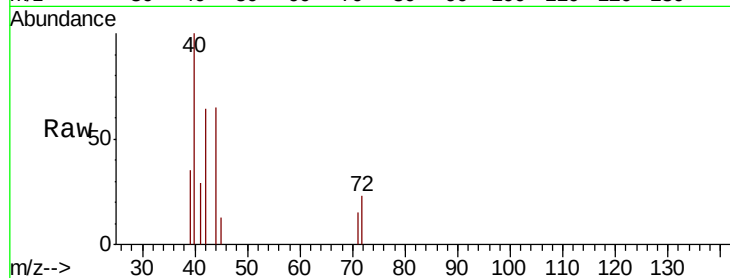
Tot Ion: 42 Resp: 661

Ion Ratio Lower Upper

42 100

72 7.9 27.4 41.0#

71 0.0 25.6 38.4#



#31

Cyclohexane

Concen: 1.149 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011071.D

Acq: 28 Jun 2019 19:35

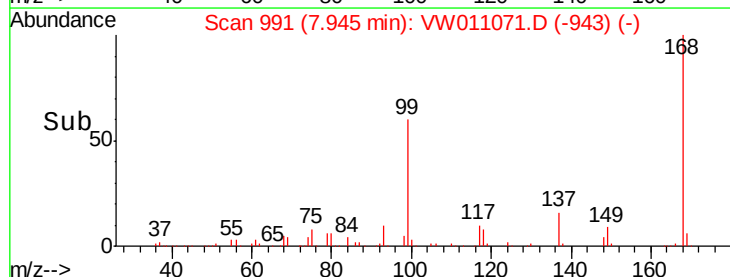
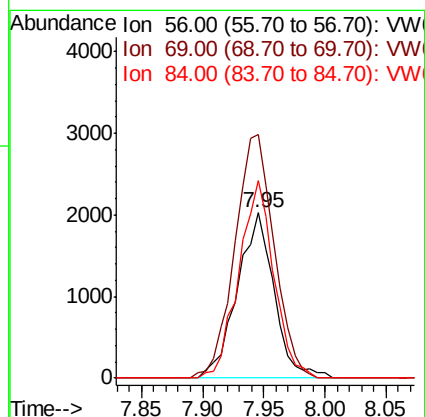
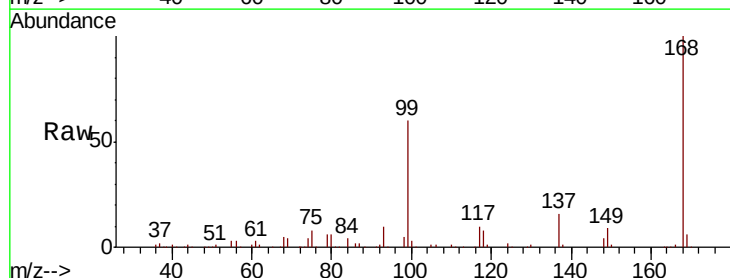
Tgt Ion: 56 Resp: 4227

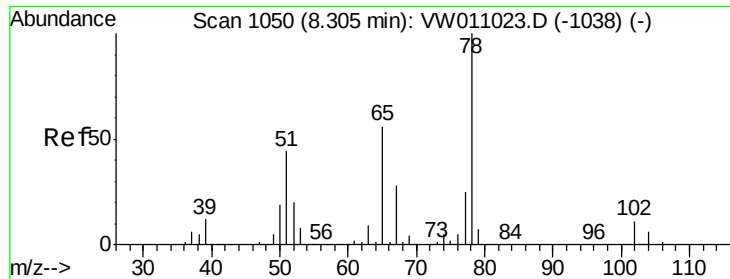
Ion Ratio Lower Upper

56 100

69 147.4 24.2 36.2#

84 119.8 60.6 90.8#





#33

1,2-Dichloroethane-d4

Concen: 46.402 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW011071.D

Acq: 28 Jun 2019 19:35

Instrument :

MSVOA_W

ClientSampleId :

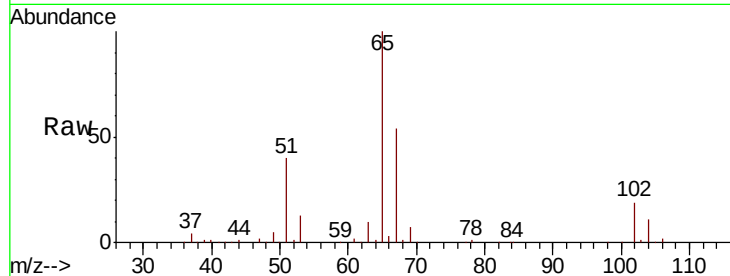
SOIL-COMP-2

Tot Ion: 65 Resp: 89239

Ion Ratio Lower Upper

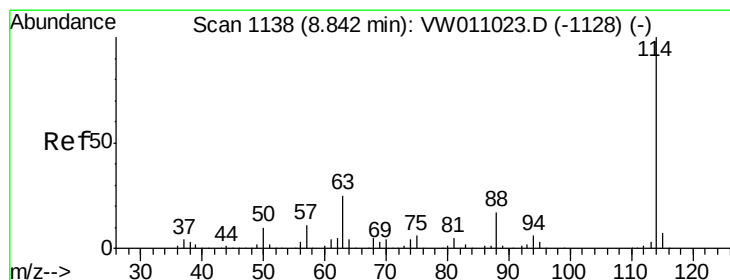
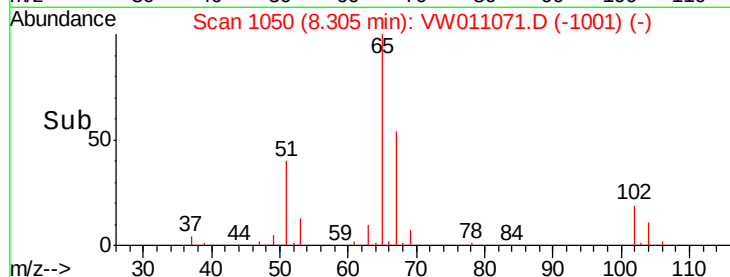
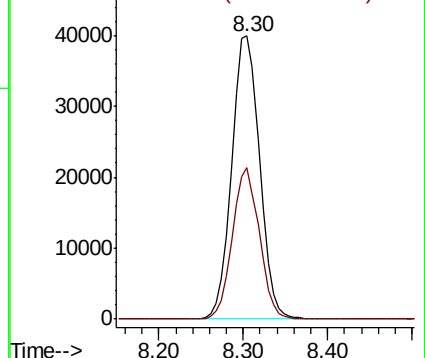
65 100

67 51.8 0.0 102.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW011071.D

Acq: 28 Jun 2019 19:35

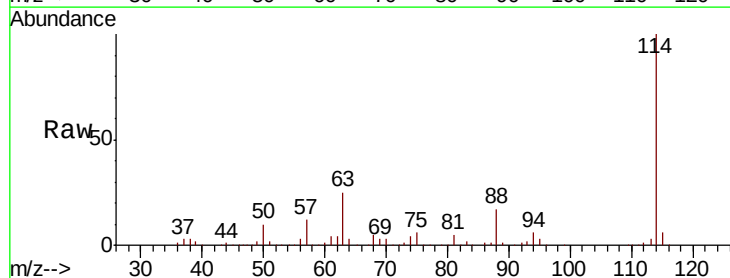
Tgt Ion: 114 Resp: 281832

Ion Ratio Lower Upper

114 100

63 25.2 0.0 50.6

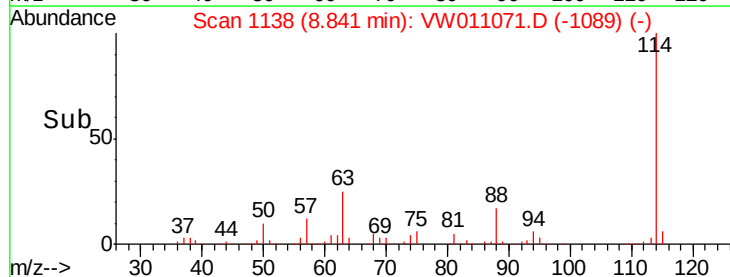
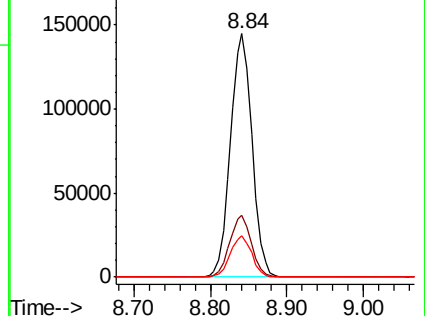
88 16.8 0.0 34.0

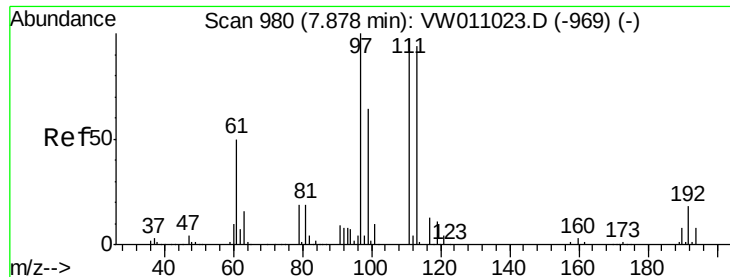


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 40.546 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW011071.D

Acq: 28 Jun 2019 19:35

Instrument :

MSVOA_W

ClientSampleId :

SOIL-COMP-2

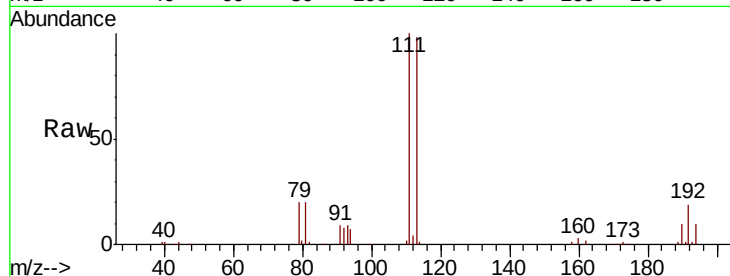
Tot Ion:113 Resp: 69778

Ion Ratio Lower Upper

113 100

111 104.3 83.8 125.6

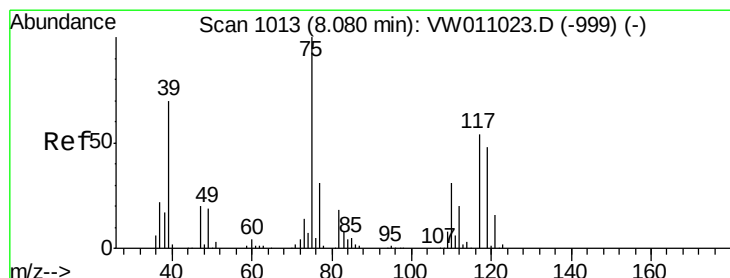
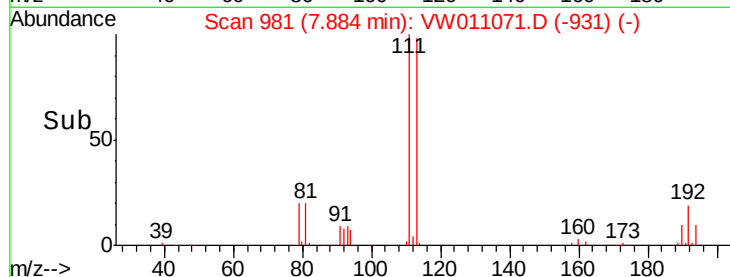
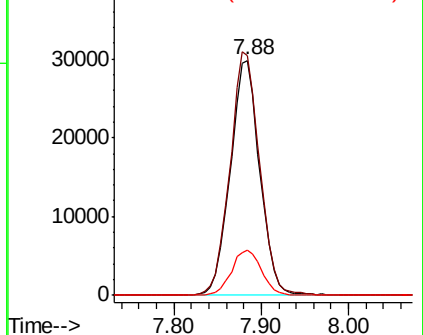
192 19.7 16.0 24.0



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: 4.395 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW011071.D

Acq: 28 Jun 2019 19:35

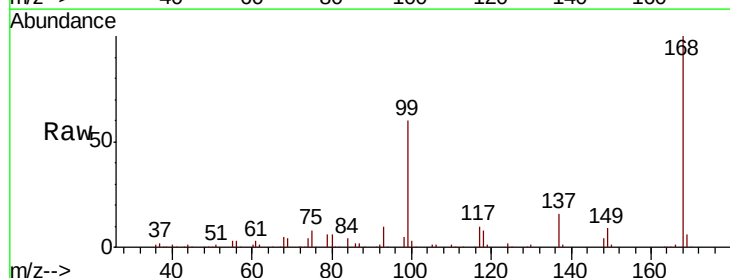
Tgt Ion: 75 Resp: 13314

Ion Ratio Lower Upper

75 100

110 8.7 15.5 46.5#

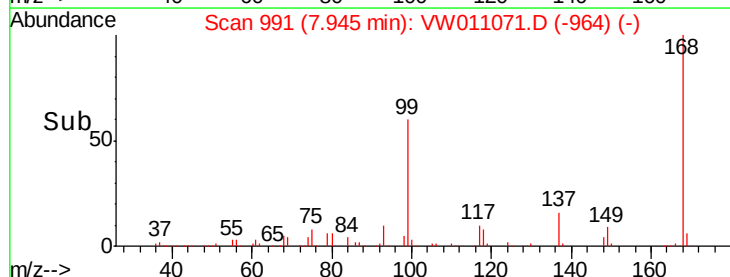
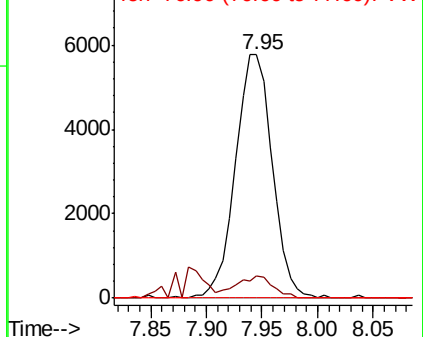
77 0.0 24.9 37.3#

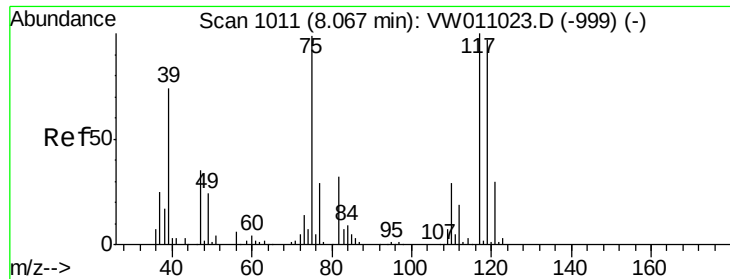


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.349 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW011071.D

Acq: 28 Jun 2019 19:35

Instrument :

MSVOA_W

ClientSampleId :

SOIL-COMP-2

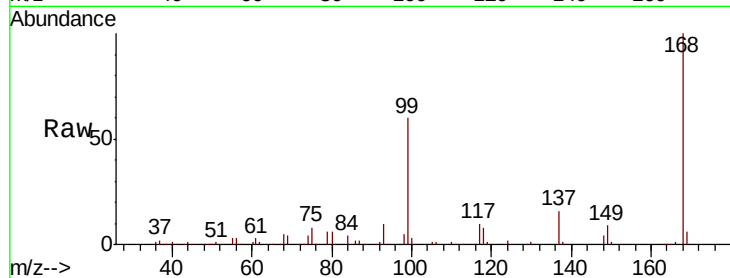
Tot Ion:117 Resp: 15839

Ion Ratio Lower Upper

117 100

119 6.2 77.7 116.5#

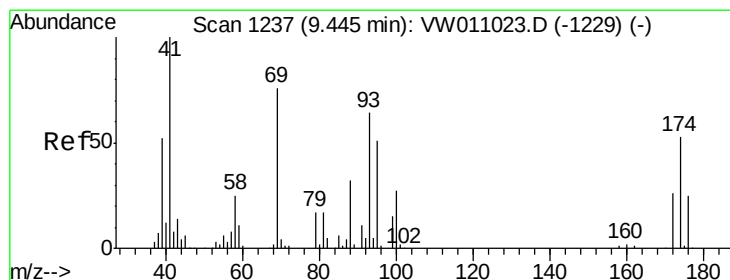
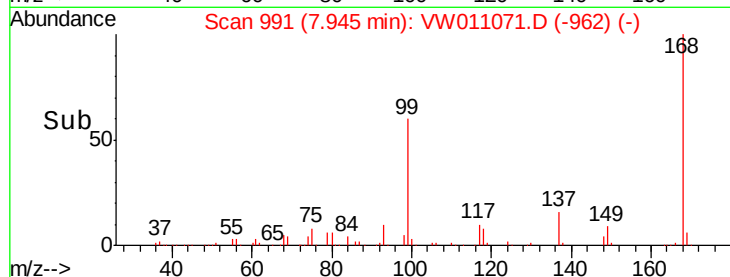
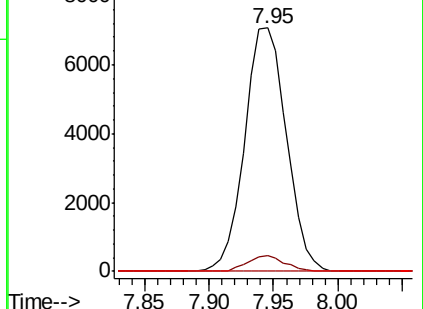
121 0.0 23.9 35.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 2.136 ug/l

RT: 9.57 min Scan# 1257

Delta R.T. 0.12 min

Lab File: VW011071.D

Acq: 28 Jun 2019 19:35

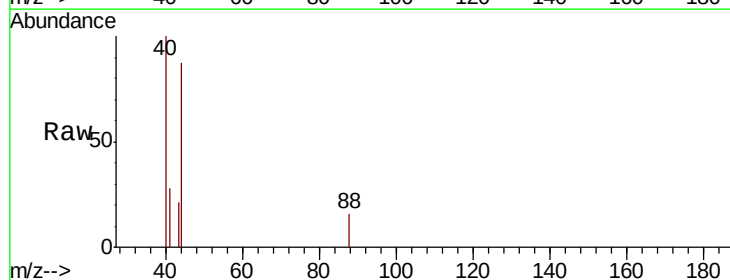
Tgt Ion: 88 Resp: 38

Ion Ratio Lower Upper

88 100

43 507.9 34.4 51.6#

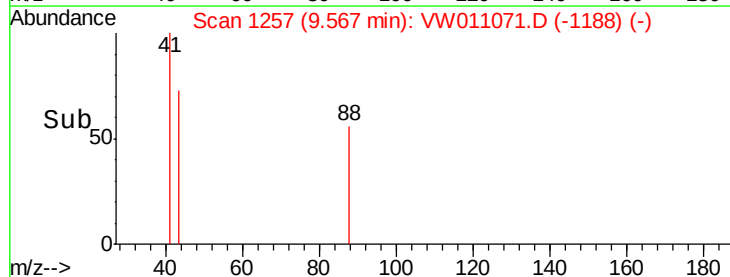
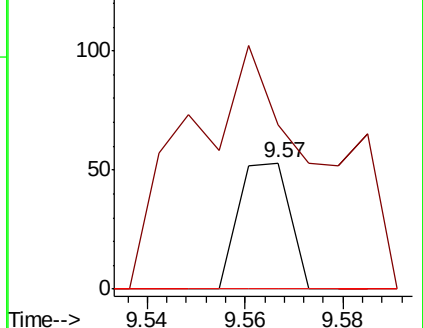
58 0.0 65.2 97.8#

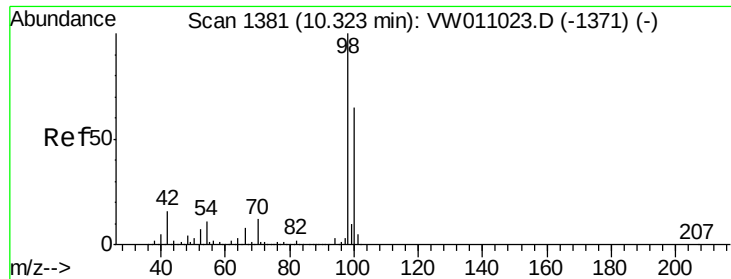


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 33.249 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011071.D

Acq: 28 Jun 2019 19:35

Instrument :

MSVOA_W

ClientSampleId :

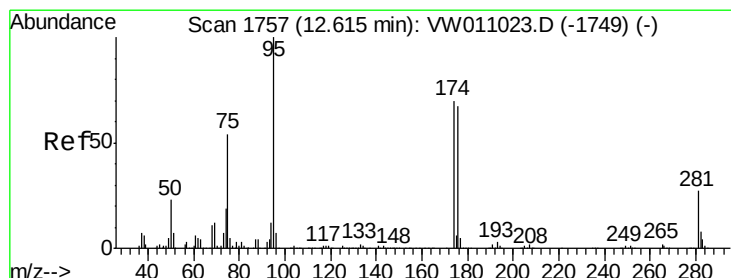
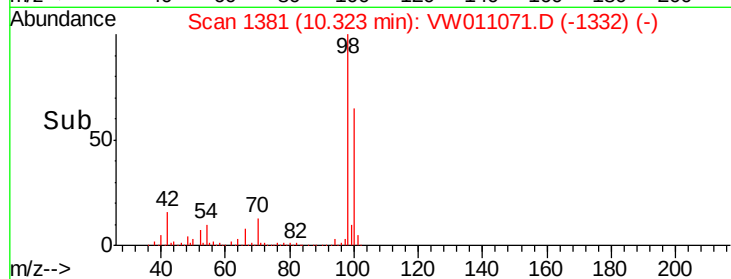
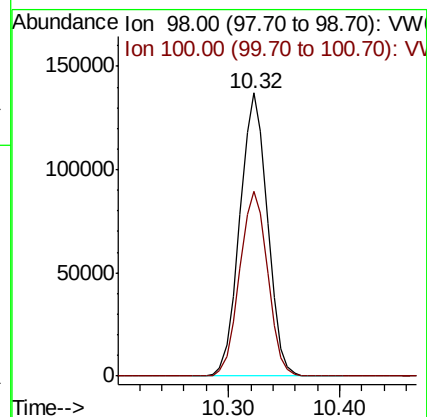
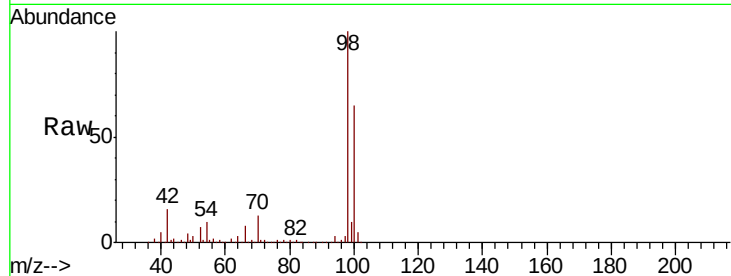
SOIL-COMP-2

Tot Ion: 98 Resp: 235539

Ion Ratio Lower Upper

98 100

100 66.2 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 35.725 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW011071.D

Acq: 28 Jun 2019 19:35

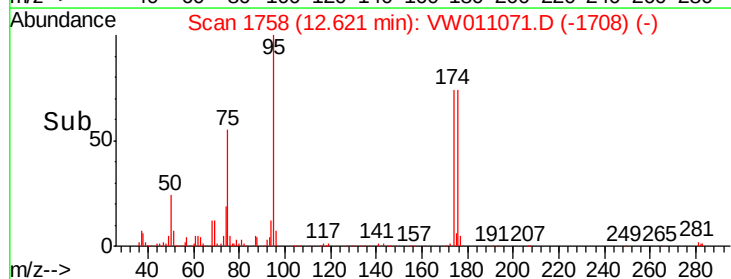
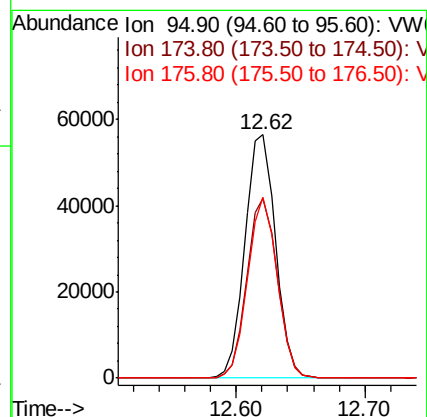
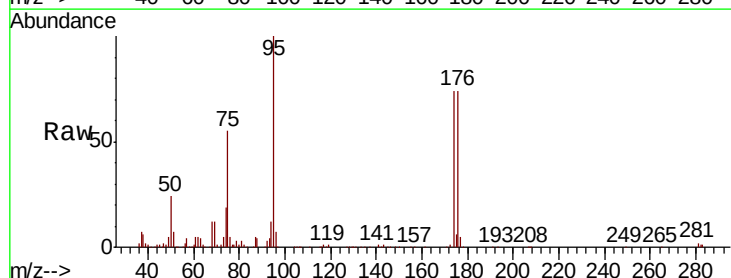
Tgt Ion: 95 Resp: 92562

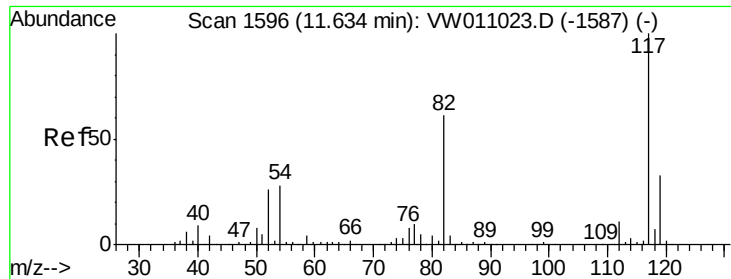
Ion Ratio Lower Upper

95 100

174 73.3 0.0 149.2

176 71.5 0.0 143.6

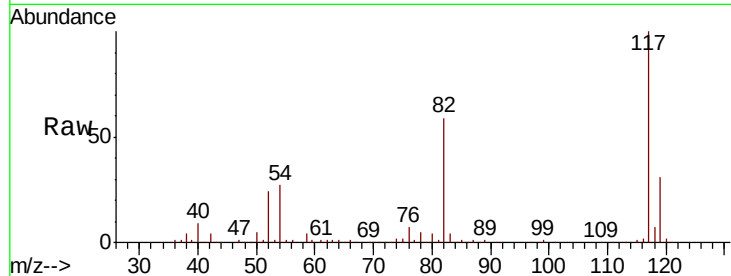




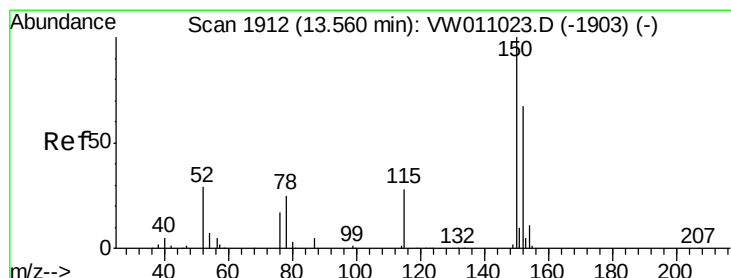
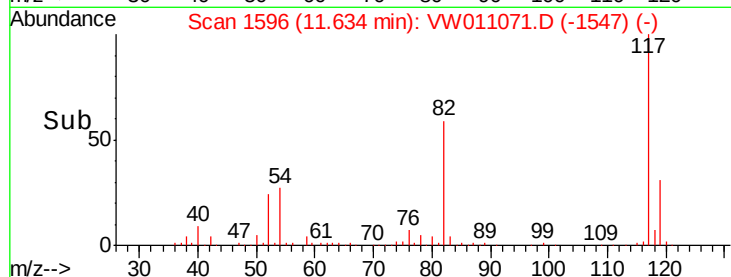
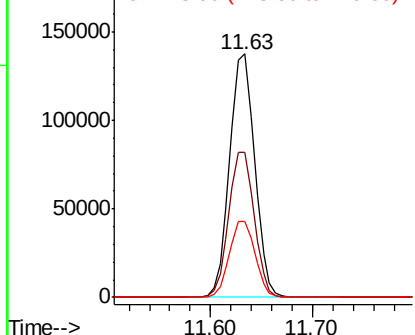
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011071.D
Acq: 28 Jun 2019 19:35

Instrument :
MSVOA_W
ClientSampleId :
SOIL-COMP-2

Tot Ion:117 Resp: 233590
Ion Ratio Lower Upper
117 100
82 59.4 48.6 73.0
119 31.4 26.1 39.1

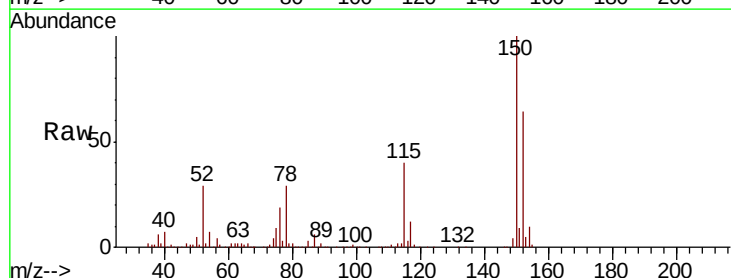


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

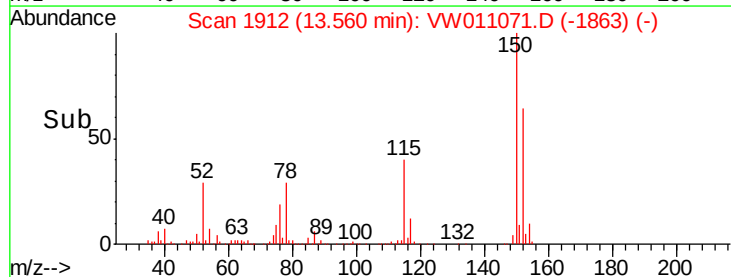
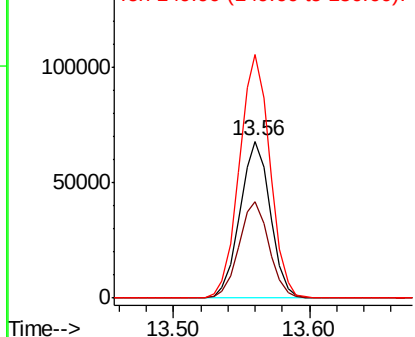


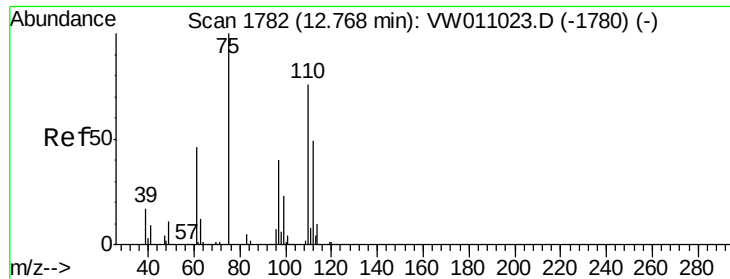
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011071.D
Acq: 28 Jun 2019 19:35

Tgt Ion:152 Resp: 105876
Ion Ratio Lower Upper
152 100
115 60.9 30.7 92.1
150 156.6 0.0 341.8



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

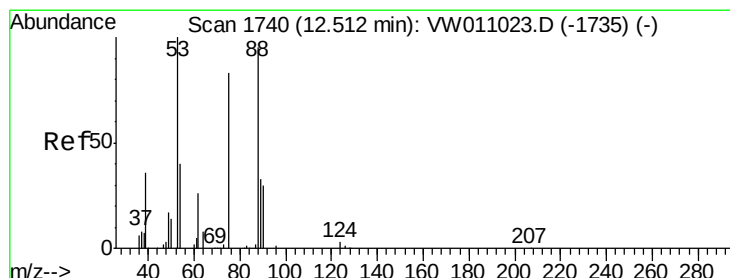
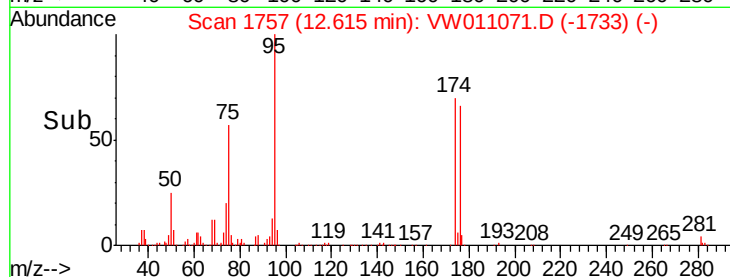
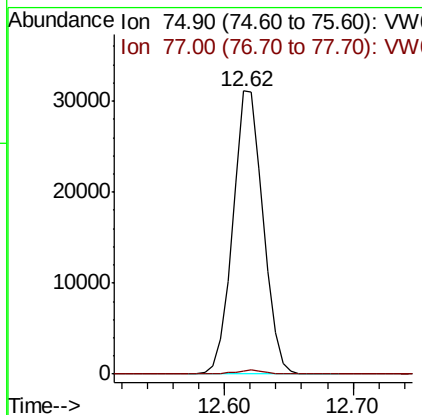
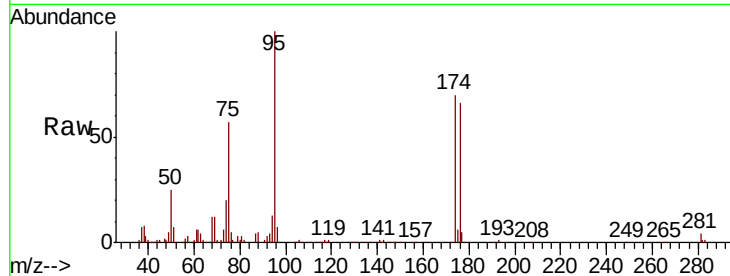




#76
 1,2,3-Trichloropropane
 Concen: 45.336 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW011071.D
 Acq: 28 Jun 2019 19:35

Instrument :
 MSVOA_W
 ClientSampleId :
 SOIL-COMP-2

Tot Ion: 75 Resp: 50675
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 92.650 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW011071.D
 Acq: 28 Jun 2019 19:35

Tgt Ion: 75 Resp: 50675
 Ion Ratio Lower Upper
 75 100
 53 0.1 95.6 143.4#
 89 0.0 34.4 51.6#

