

Data File : VW010552.D
Acq On : 24 May 2019 15:59
Operator : SY/VA
Sample : K3047-01
Misc : 7.1G/5ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SOIL-COMP

Quant Time: May 25 01:13:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260
QLast Update : Tue May 21 06:38:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	107171	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	187965	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	168018	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	73601	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	62446	56.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.90%	
35) Dibromofluoromethane	7.88	113	56764	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
50) Toluene-d8	10.32	98	230143	52.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.64%	
62) 4-Bromofluorobenzene	12.62	95	86860	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	

Target Compounds

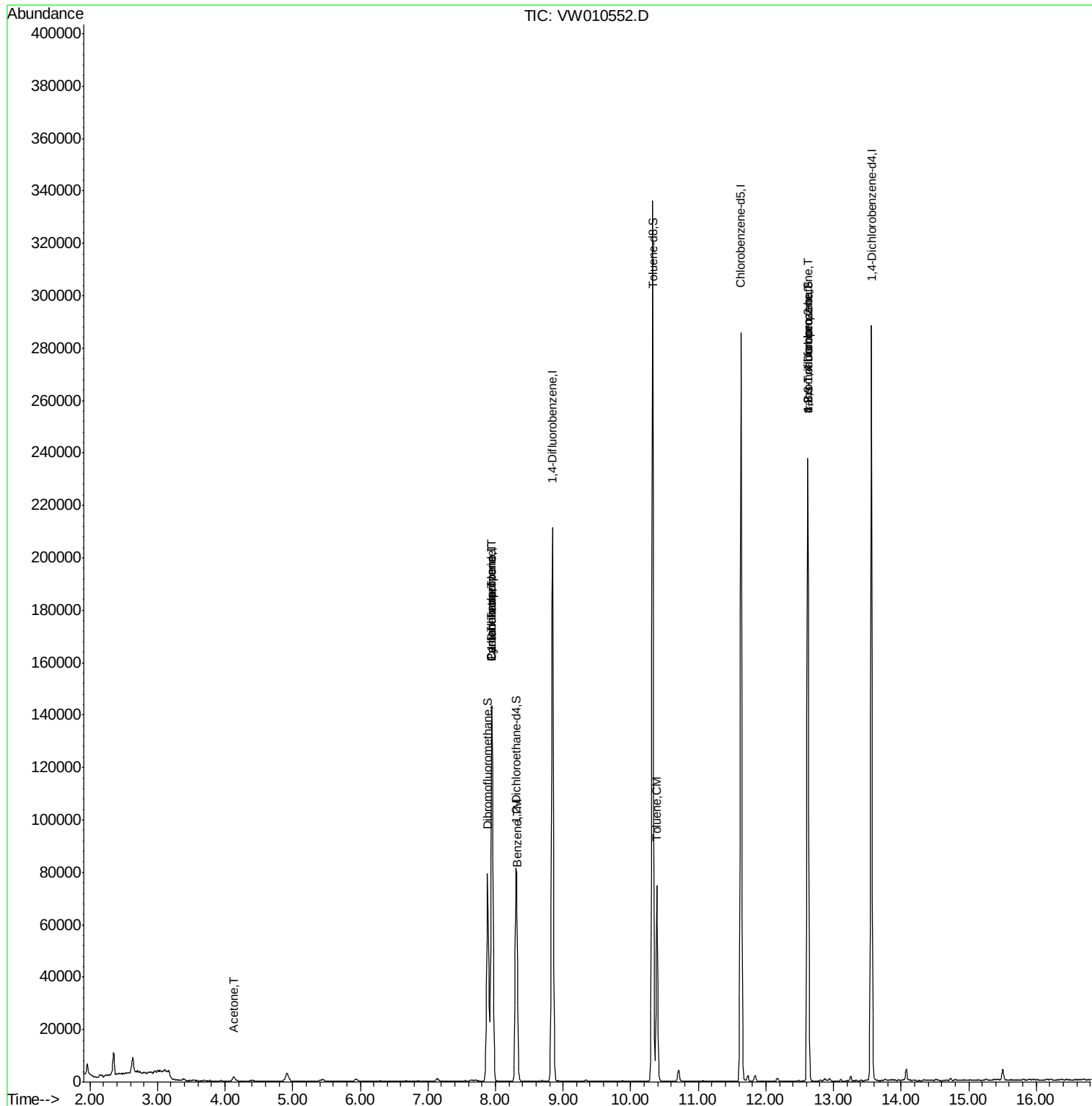
						Qvalue
16) Acetone	4.13	43	3156	13.977	ug/l #	73
20) Methylene Chloride	4.93	84	2598	Below Cal	#	88
31) Cyclohexane	7.95	56	2132	1.015	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	8116	4.635	ug/l #	48
38) Carbon Tetrachloride	7.95	117	11225	5.943	ug/l #	15
40) Benzene	8.32	78	6920	1.422	ug/l	98
52) Toluene	10.39	92	33334	10.199	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	41024	54.911	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	41024	114.601	ug/l #	14

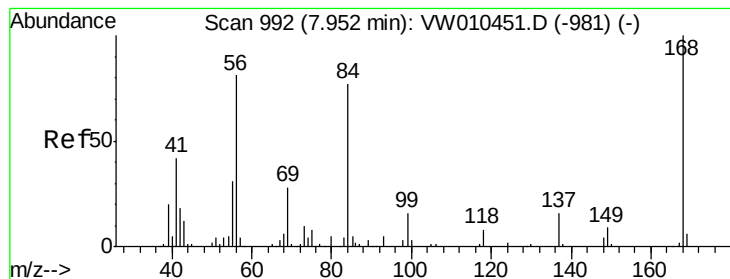
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010552.D

Acq: 24 May 2019 15:59

Instrument :

MSVOA_W

ClientSampled :

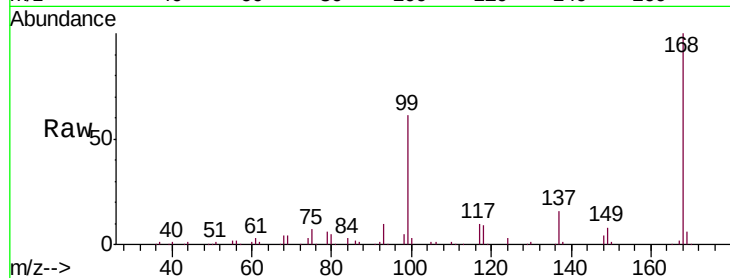
SOIL-COMP

Tgt Ion: 168 Resp: 107171

Ion Ratio Lower Upper

168 100

99 60.8 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

50000

40000

30000

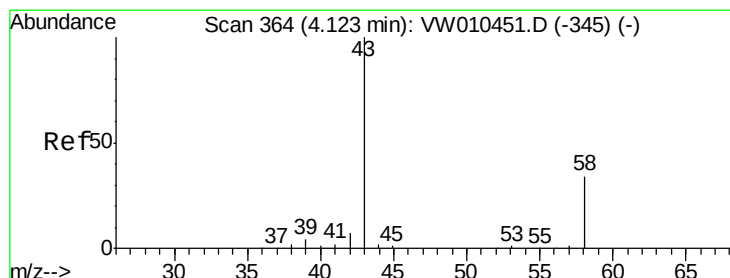
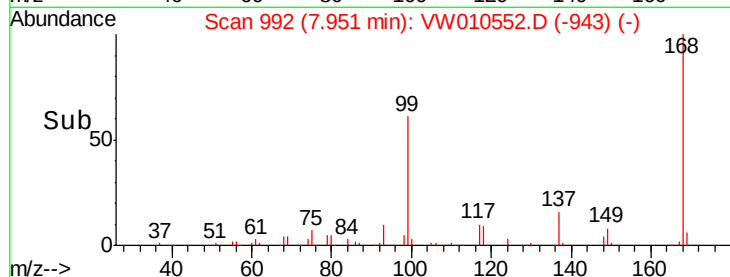
20000

10000

0

7.90 8.00 8.10

Time-->



#16

Acetone

Concen: 13.977 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010552.D

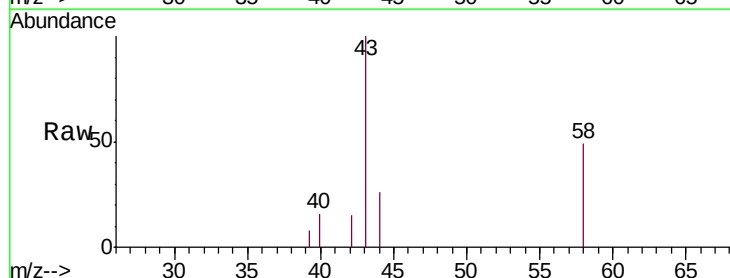
Acq: 24 May 2019 15:59

Tgt Ion: 43 Resp: 3156

Ion Ratio Lower Upper

43 100

58 48.9 27.0 40.4#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

1000

800

600

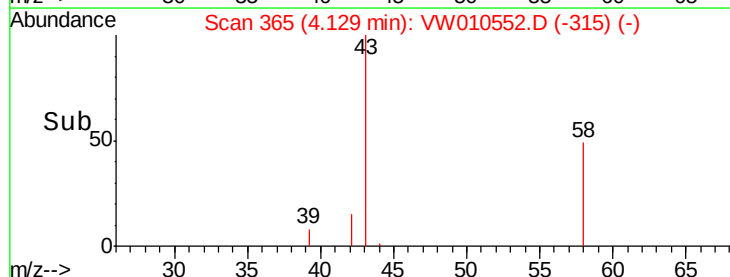
400

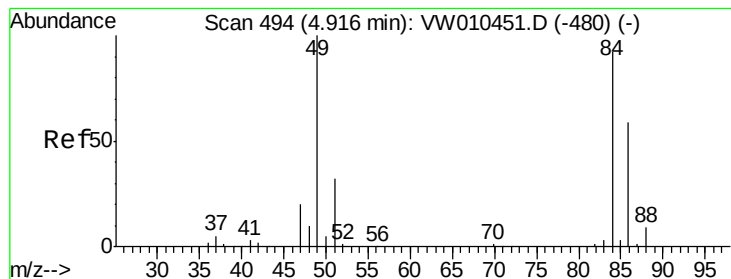
200

0

4.00 4.05 4.10 4.15 4.20

Time-->





#20

Methylene Chloride

Concen: Below Cal

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW010552.D

Acq: 24 May 2019 15:59

Instrument :

MSVOA_W

ClientSampled :

SOIL-COMP

Tgt Ion: 84 Resp: 2598

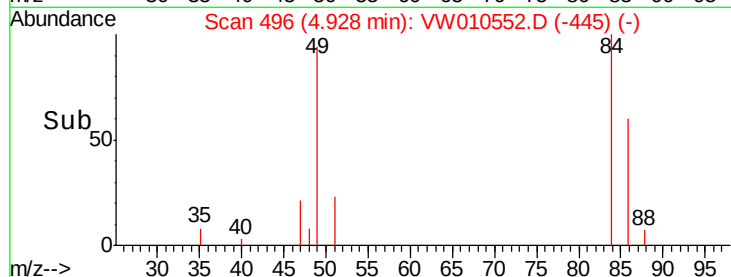
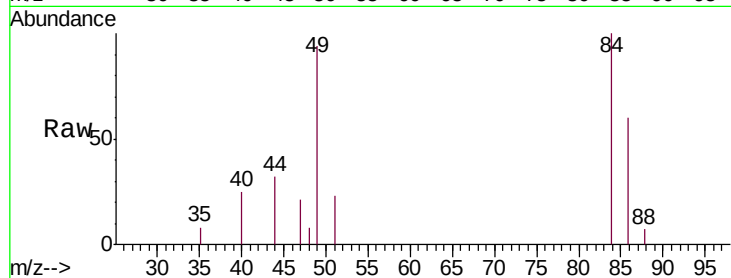
Ion Ratio Lower Upper

84 100

49 94.0 87.2 130.8

51 22.8 27.7 41.5#

86 60.1 51.4 77.0

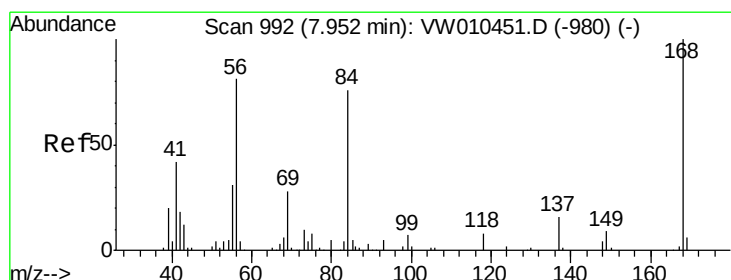
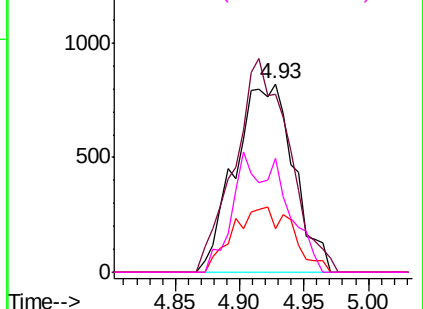


Abundance Ion 83.90 (83.60 to 84.60): VW

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



#31

Cyclohexane

Concen: 1.015 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010552.D

Acq: 24 May 2019 15:59

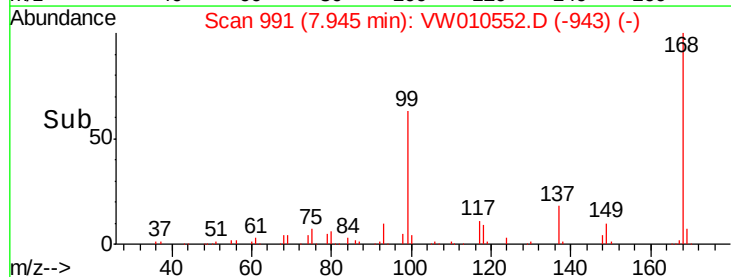
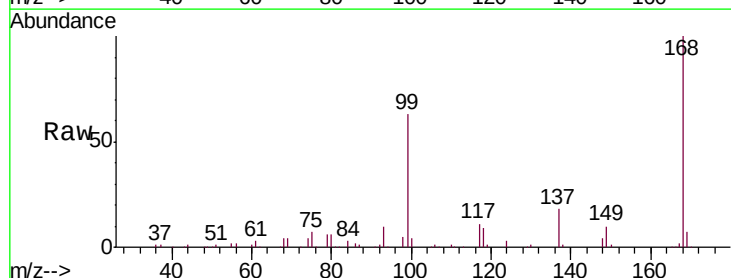
Tgt Ion: 56 Resp: 2132

Ion Ratio Lower Upper

56 100

69 190.9 28.2 42.2#

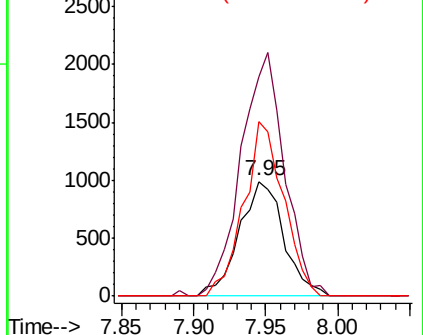
84 152.6 75.8 113.8#

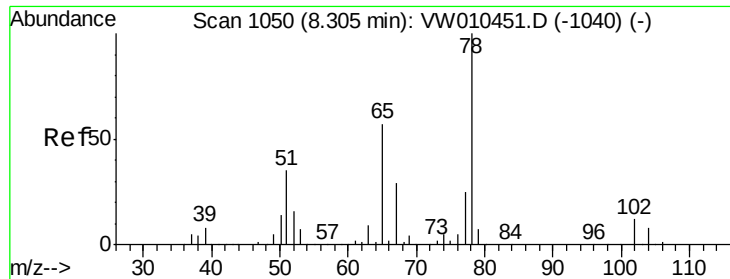


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

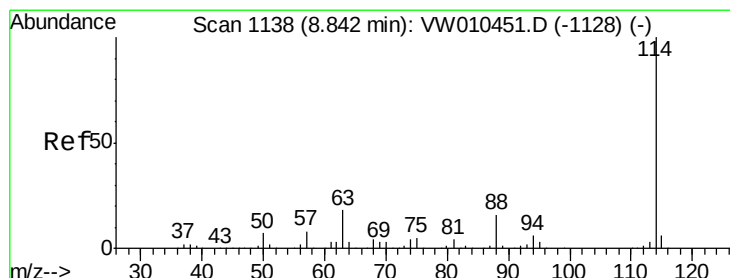
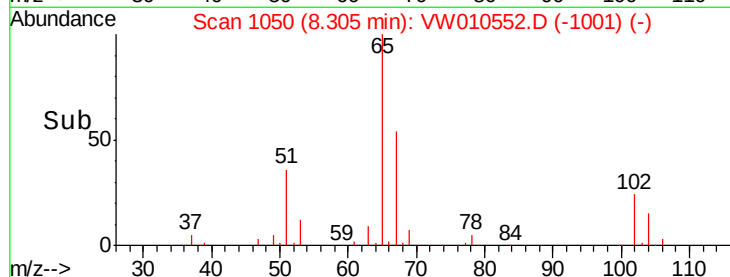
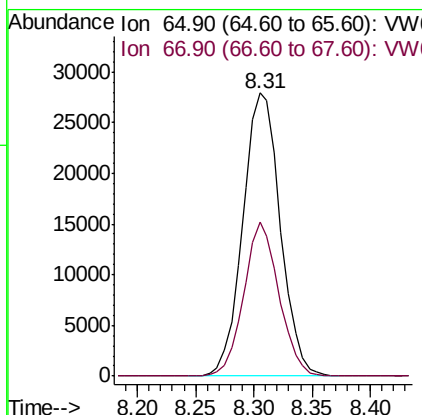
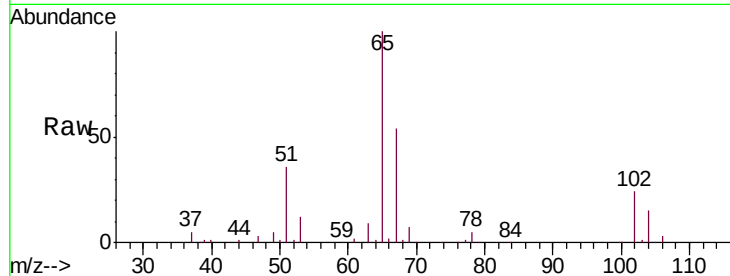




#33
 1,2-Dichloroethane-d4
 Concen: 56.452 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010552.D
 Acq: 24 May 2019 15:59

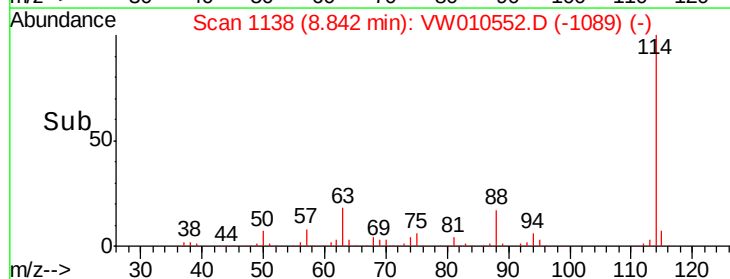
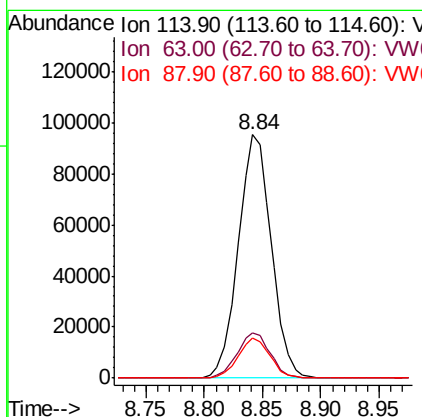
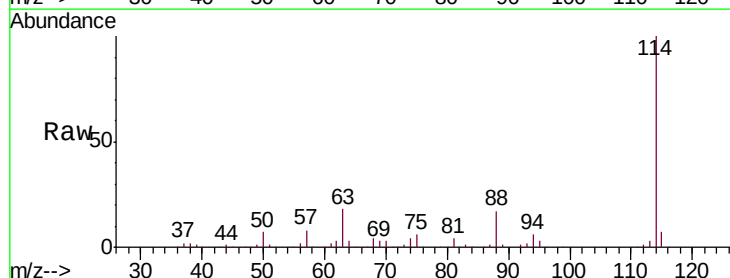
Instrument :
 MSVOA_W
 ClientSampleId :
 SOIL-COMP

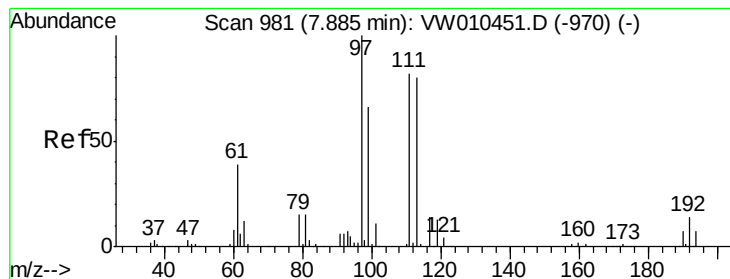
Tgt Ion: 65 Resp: 62446
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010552.D
 Acq: 24 May 2019 15:59

Tgt Ion: 114 Resp: 187965
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 36.0
 88 16.7 0.0 32.0





#35

Dibromofluoromethane

Concen: 49.770 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010552.D

Acq: 24 May 2019 15:59

Instrument :

MSVOA_W

ClientSampleId :

SOIL-COMP

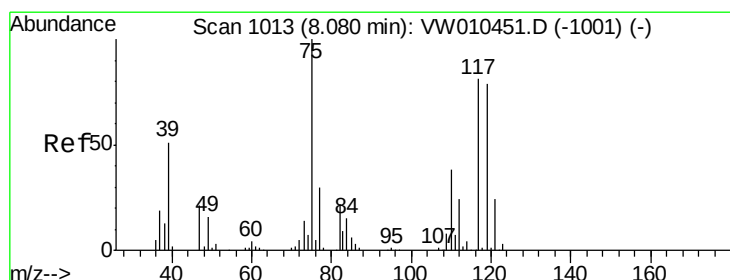
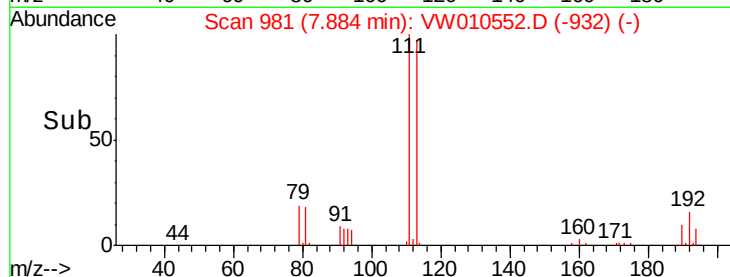
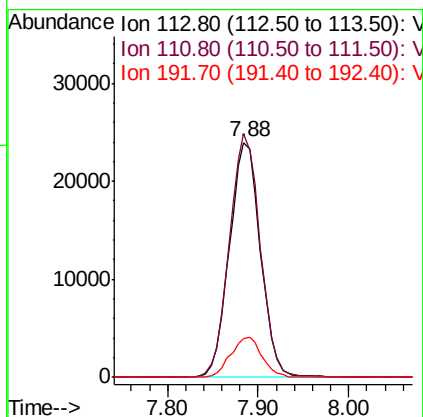
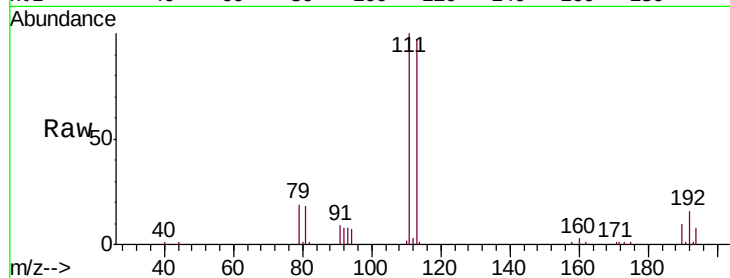
Tgt Ion:113 Resp: 56764

Ion Ratio Lower Upper

113 100

111 103.2 82.2 123.4

192 17.1 14.3 21.5



#36

1,1-Dichloropropene

Concen: 4.635 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW010552.D

Acq: 24 May 2019 15:59

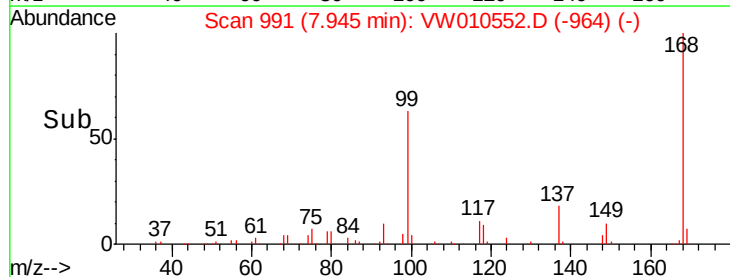
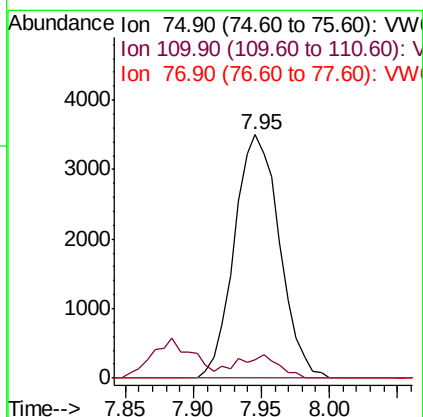
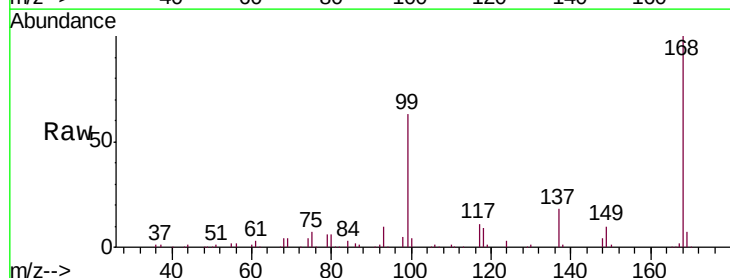
Tgt Ion: 75 Resp: 8116

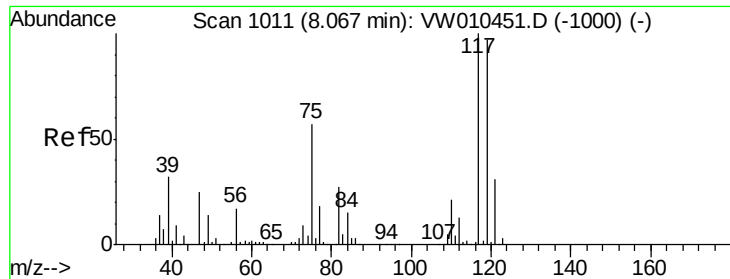
Ion Ratio Lower Upper

75 100

110 9.0 19.2 57.6#

77 0.0 25.2 37.8#





#38

Carbon Tetrachloride

Concen: 5.943 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW010552.D

Acq: 24 May 2019 15:59

Instrument :

MSVOA_W

ClientSampleId :

SOIL-COMP

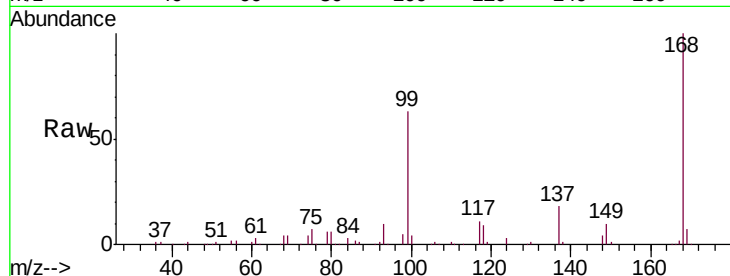
Tgt Ion:117 Resp: 11225

Ion Ratio Lower Upper

117 100

119 5.0 77.4 116.0#

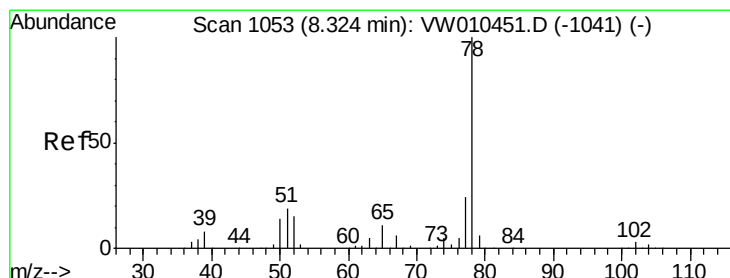
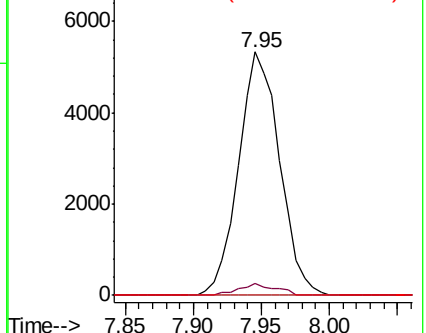
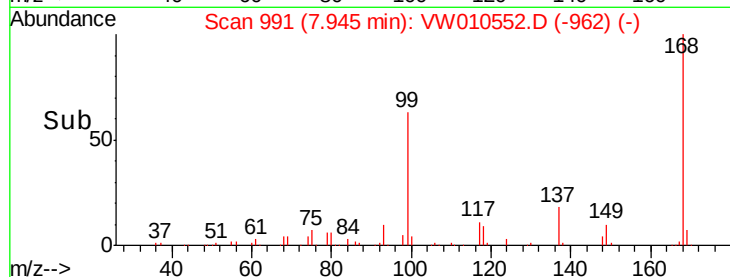
121 0.0 25.0 37.6#



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



#40

Benzene

Concen: 1.422 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW010552.D

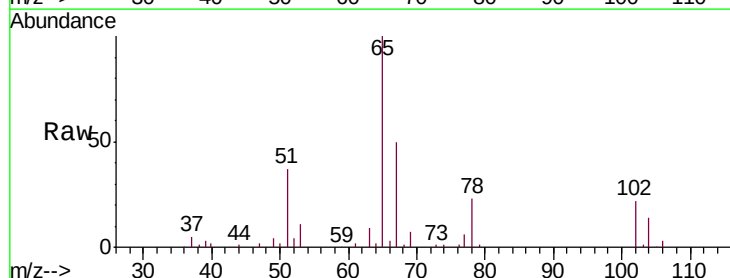
Acq: 24 May 2019 15:59

Tgt Ion: 78 Resp: 6920

Ion Ratio Lower Upper

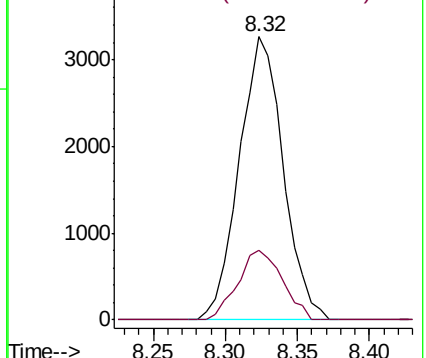
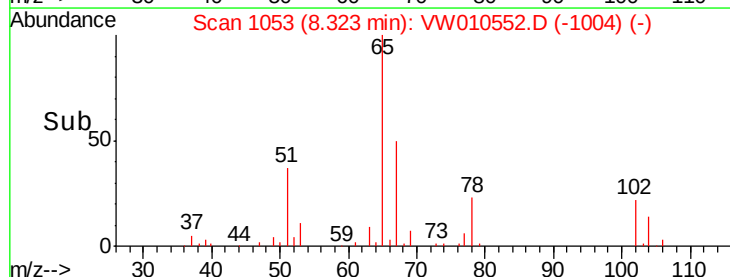
78 100

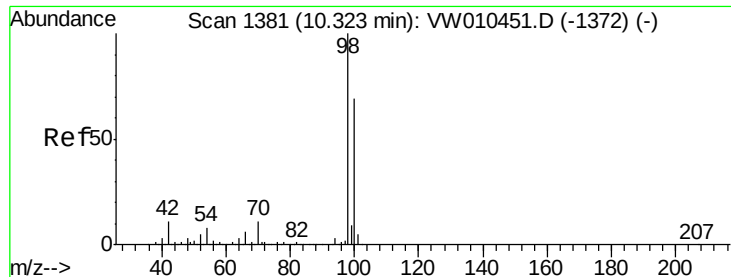
77 24.8 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW





#50

Toluene-d8

Concen: 52.820 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010552.D

Acq: 24 May 2019 15:59

Instrument :

MSVOA_W

ClientSampleId :

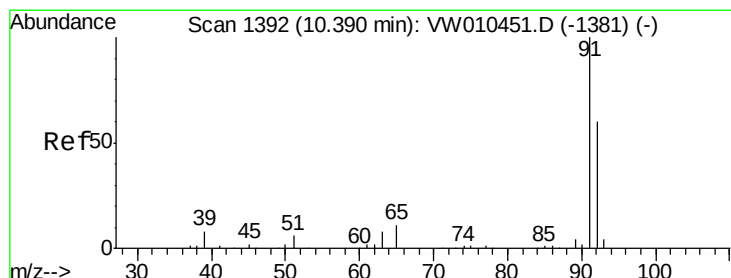
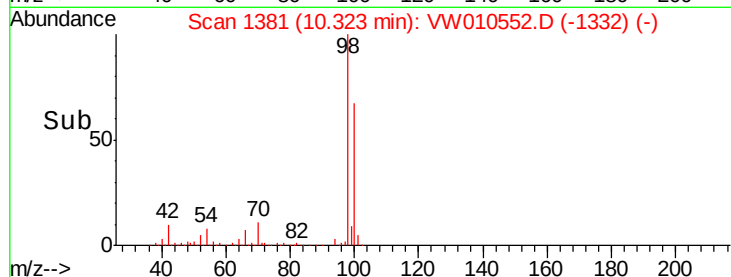
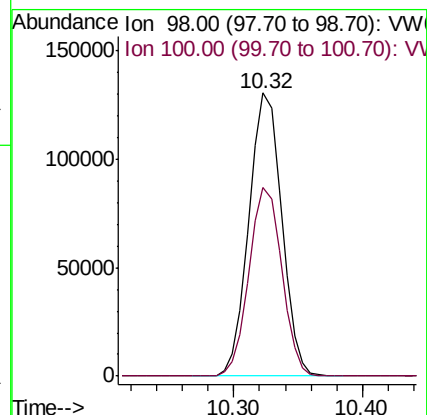
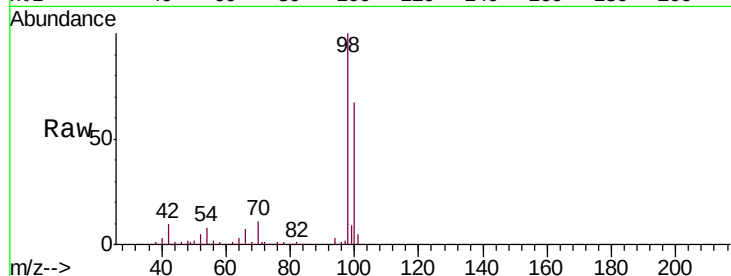
SOIL-COMP

Tgt Ion: 98 Resp: 230143

Ion Ratio Lower Upper

98 100

100 66.7 53.7 80.5



#52

Toluene

Concen: 10.199 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010552.D

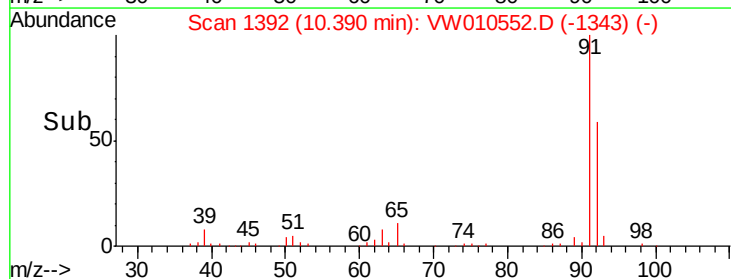
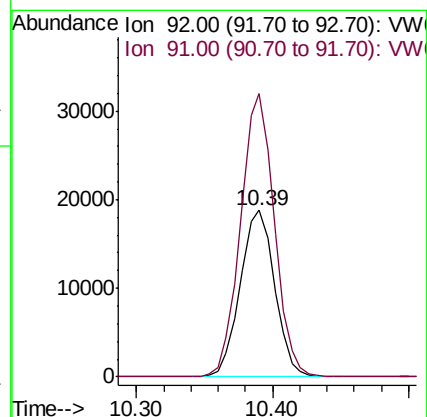
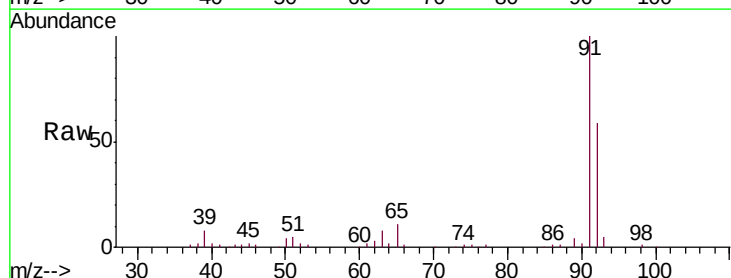
Acq: 24 May 2019 15:59

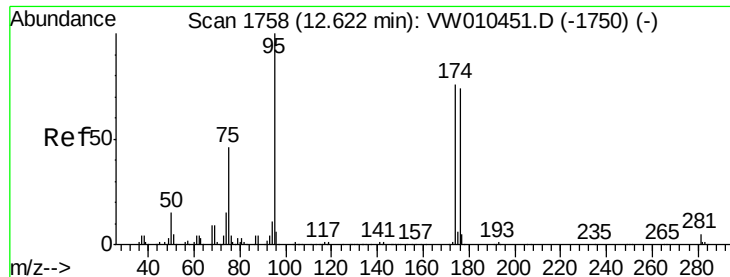
Tgt Ion: 92 Resp: 33334

Ion Ratio Lower Upper

92 100

91 166.5 135.4 203.0





#62

4-Bromofluorobenzene

Concen: 50.049 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010552.D

Acq: 24 May 2019 15:59

Instrument :

MSVOA_W

ClientSampleId :

SOIL-COMP

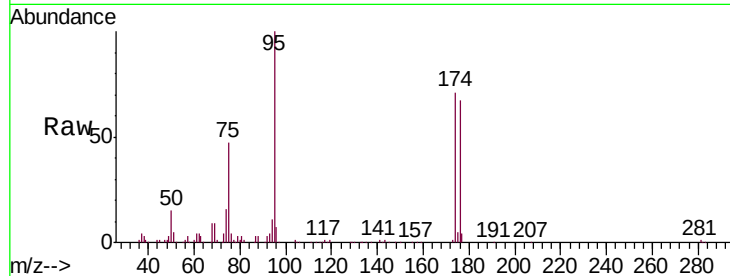
Tgt Ion: 95 Resp: 86860

Ion Ratio Lower Upper

95 100

174 68.5 0.0 148.6

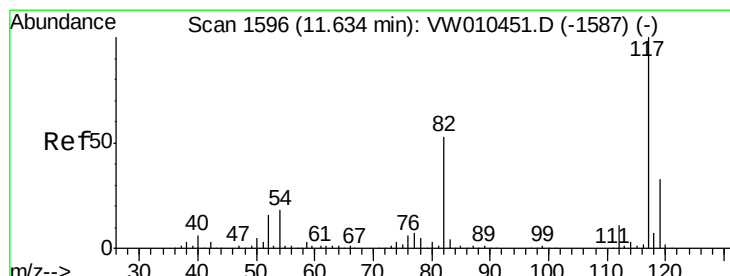
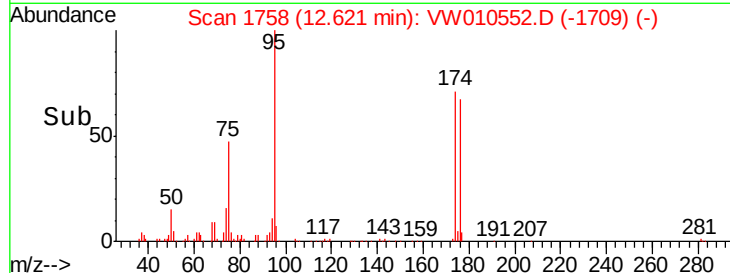
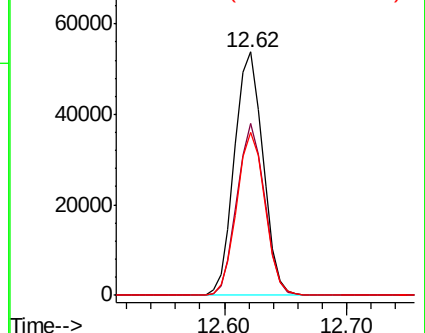
176 66.4 0.0 144.2



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW010552.D

Acq: 24 May 2019 15:59

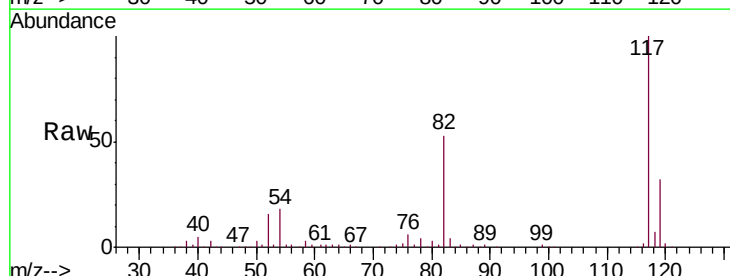
Tgt Ion: 117 Resp: 168018

Ion Ratio Lower Upper

117 100

82 53.3 42.8 64.2

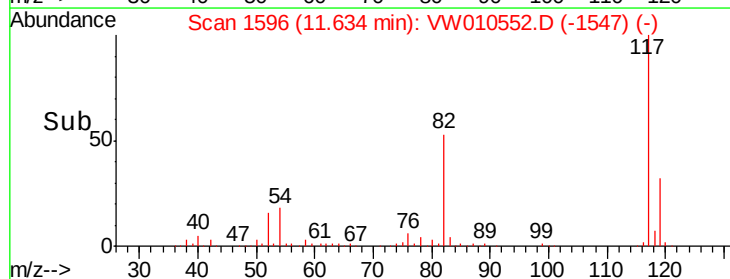
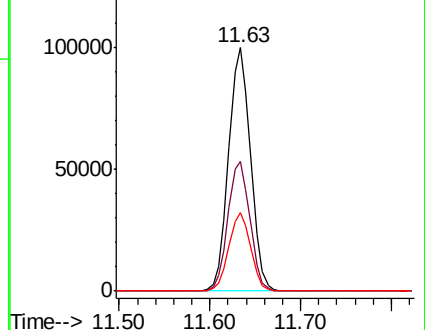
119 32.2 26.3 39.5

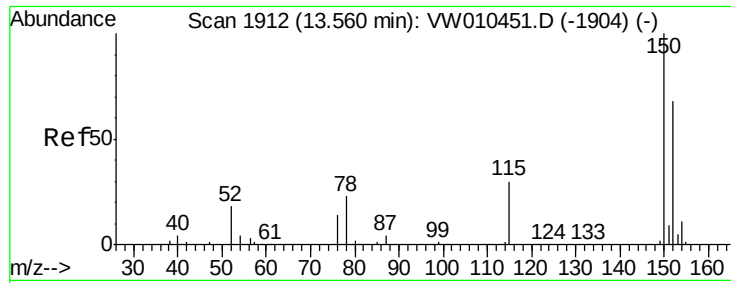


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010552.D

Acq: 24 May 2019 15:59

Instrument :

MSVOA_W

ClientSampleId :

SOIL-COMP

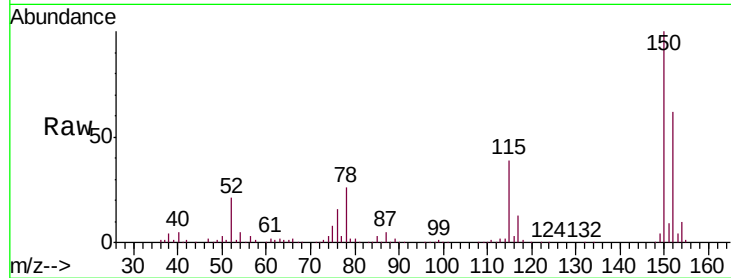
Tgt Ion:152 Resp: 73601

Ion Ratio Lower Upper

152 100

115 63.7 30.3 91.0

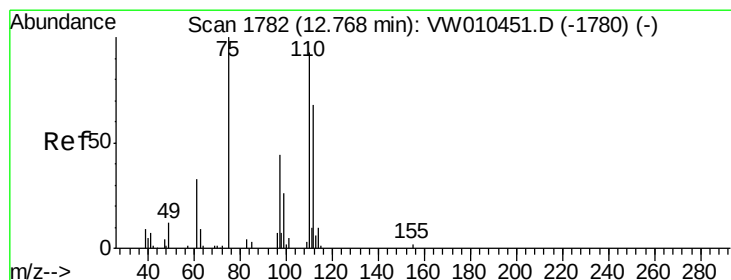
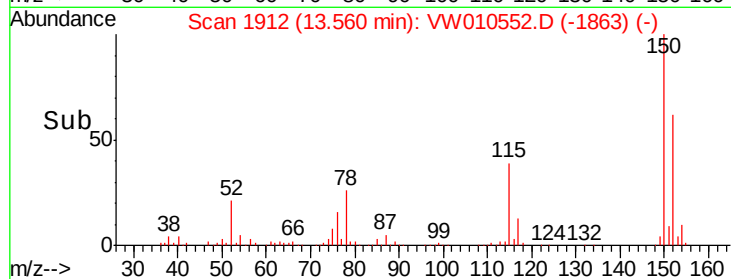
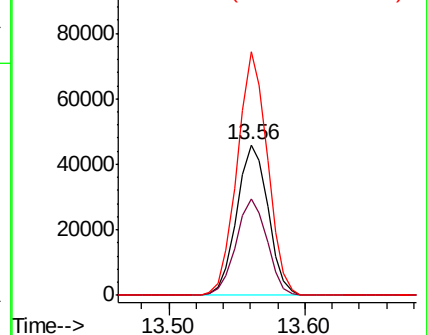
150 156.8 0.0 349.8



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: 54.911 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010552.D

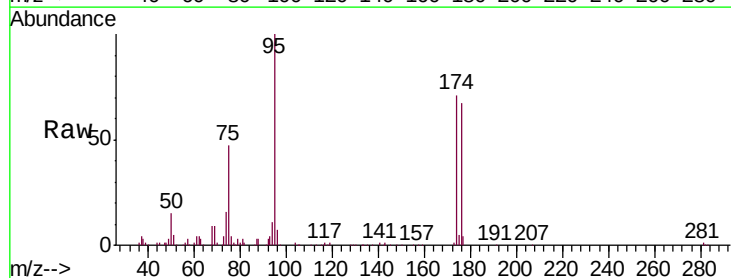
Acq: 24 May 2019 15:59

Tgt Ion: 75 Resp: 41024

Ion Ratio Lower Upper

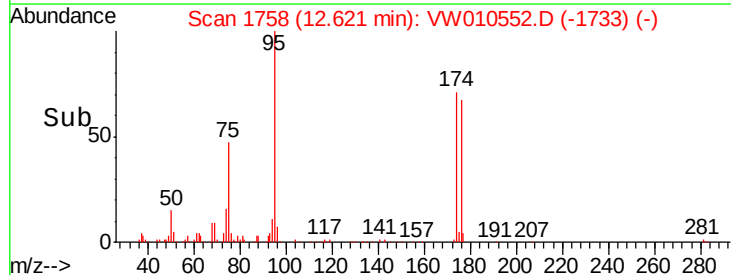
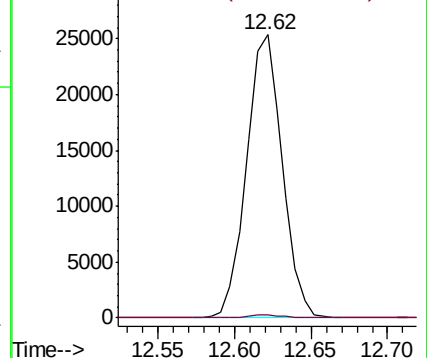
75 100

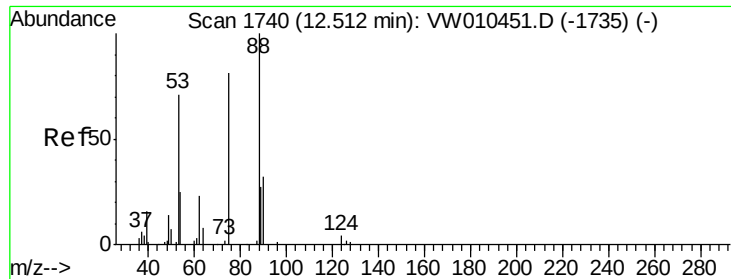
77 1.1 170.0 510.1#



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: 114.601 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010552.D

Acq: 24 May 2019 15:59

Instrument :

MSVOA_W

ClientSampleId :

SOIL-COMP

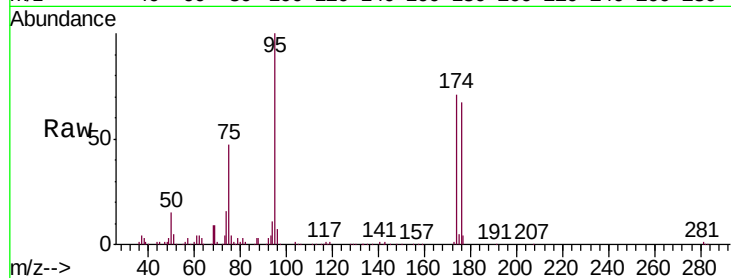
Tgt Ion: 75 Resp: 41024

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.8#

89 0.0 39.5 59.3#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

