

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092319\
 Data File : VW013242.D
 Acq On : 23 Sep 2019 19:57
 Operator : SY/VA
 Sample : K4927-01
 Misc : 5.08G/5ML/MSVOA_W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SOIL-COMP-1

Quant Time: Sep 24 06:42:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	337771	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	503931	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	415527	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	188018	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	136173	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	
35) Dibromofluoromethane	7.88	113	141313	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
50) Toluene-d8	10.32	98	583835	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	
62) 4-Bromofluorobenzene	12.62	95	184422	46.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.08%	

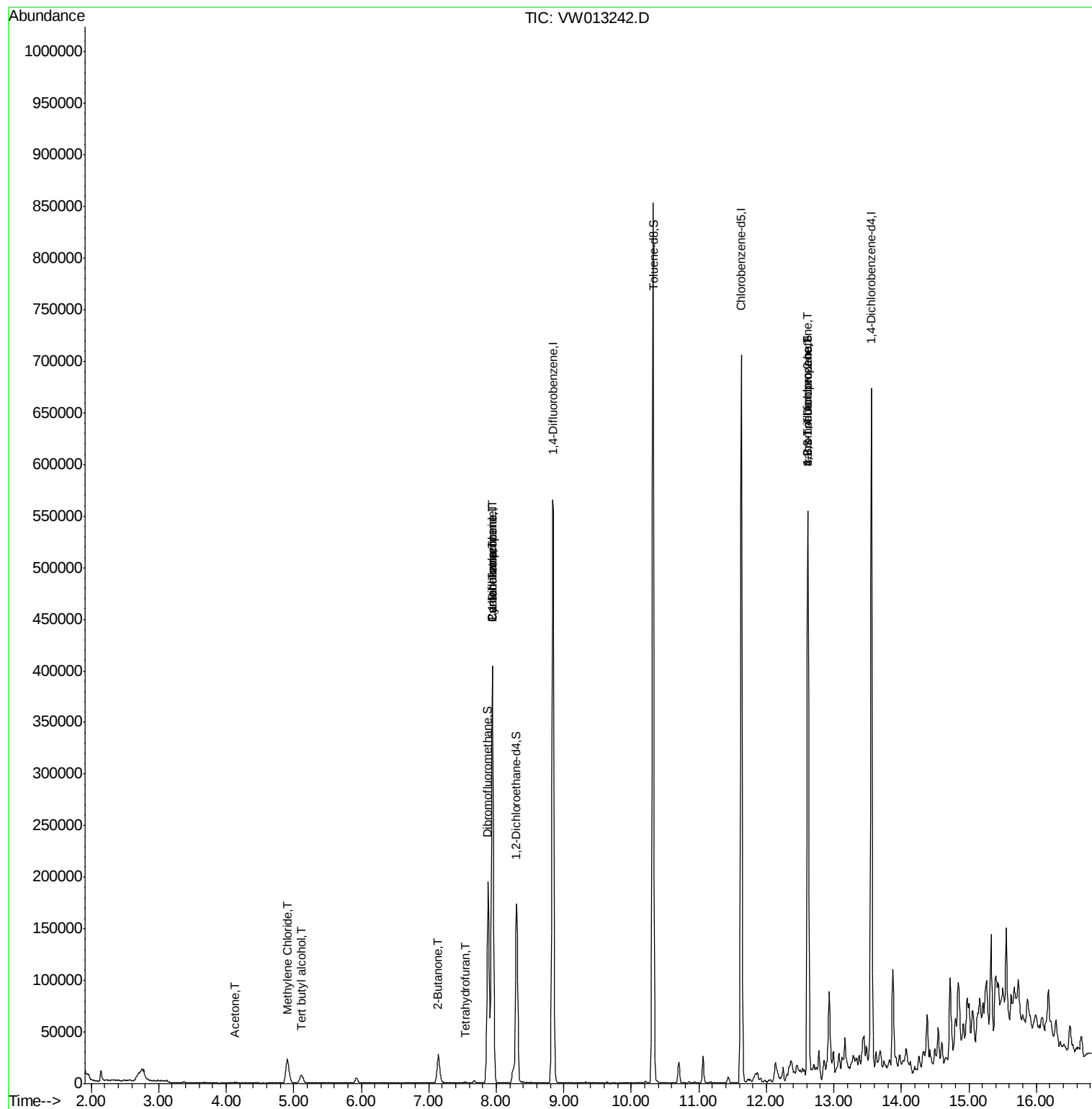
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.11	59	7765	30.243	ug/l #	73
16) Acetone	4.12	43	2007	3.228	ug/l	95
20) Methylene Chloride	4.91	84	19747	3.510	ug/l	94
25) 2-Butanone	7.14	43	1250	1.339	ug/l #	51
26) 2,2-Dichloropropane	7.13	77	2042	Below Cal	#	52
29) Tetrahydrofuran	7.54	42	638	1.115	ug/l #	75
31) Cyclohexane	7.95	56	6102	1.021	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	22267	4.562	ug/l #	48
38) Carbon Tetrachloride	7.95	117	29897	6.833	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	87466	52.676	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	87466	118.201	ug/l #	12

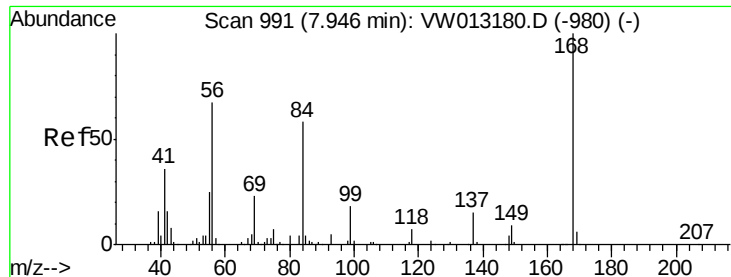
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW092319\
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013242.D

Acq: 23 Sep 2019 19:57

Instrument :

MSVOA_W

ClientSampleId :

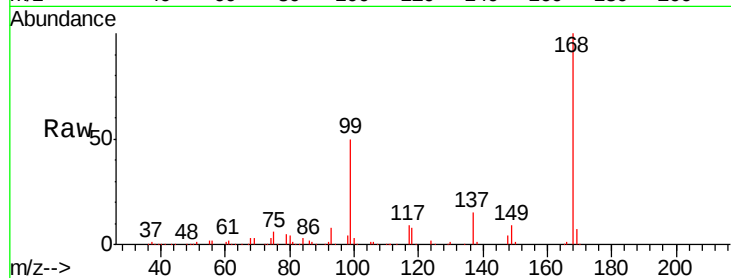
SOIL-COMP-1

Tgt Ion:168 Resp: 337771

Ion Ratio Lower Upper

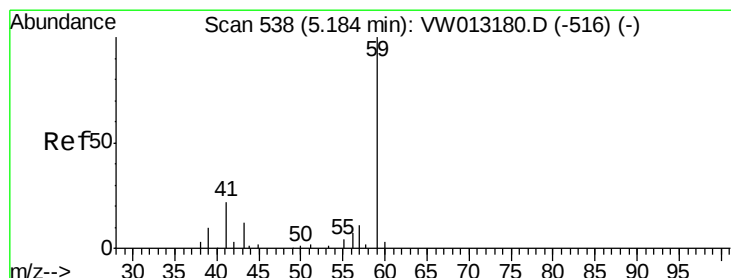
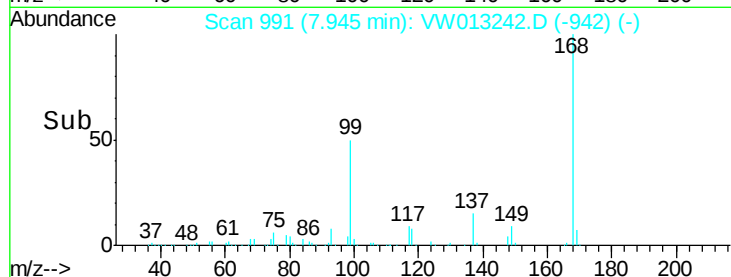
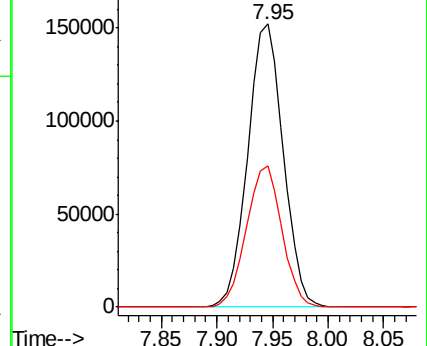
168 100

99 50.1 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 30.243 ug/l

RT: 5.11 min Scan# 526

Delta R.T. -0.07 min

Lab File: VW013242.D

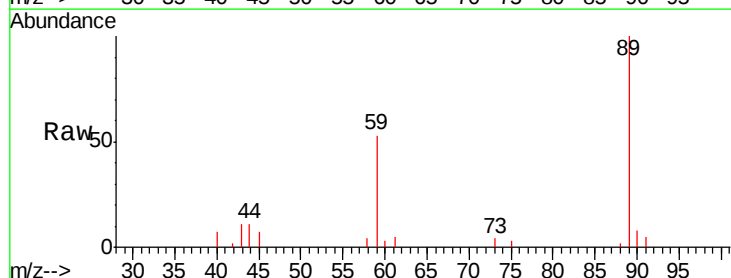
Acq: 23 Sep 2019 19:57

Tgt Ion: 59 Resp: 7765

Ion Ratio Lower Upper

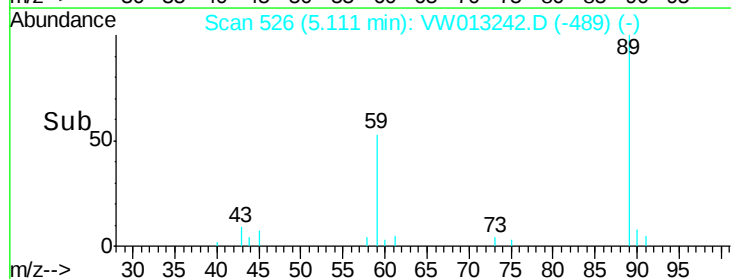
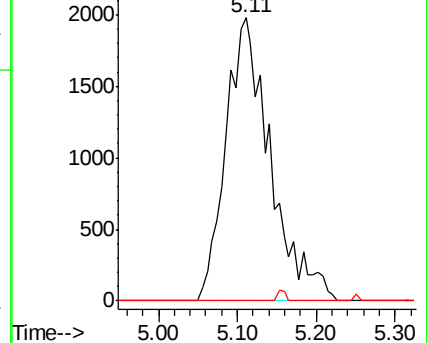
59 100

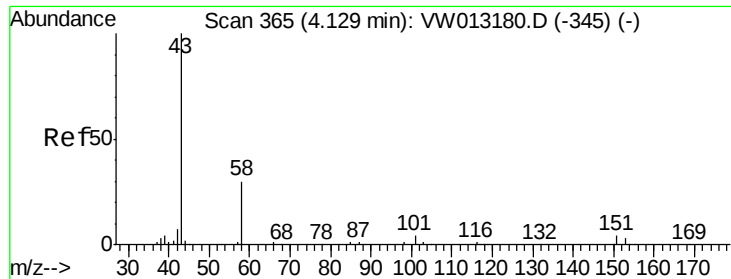
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 3.228 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW013242.D

Acq: 23 Sep 2019 19:57

Instrument :

MSVOA_W

ClientSampleId :

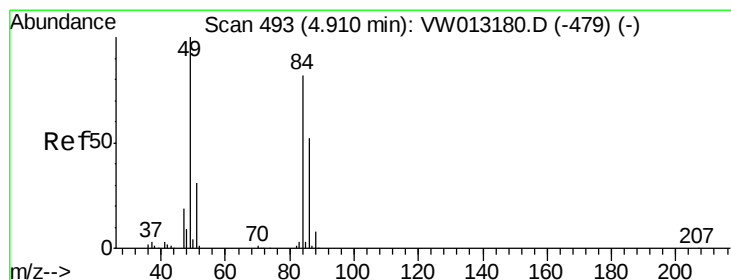
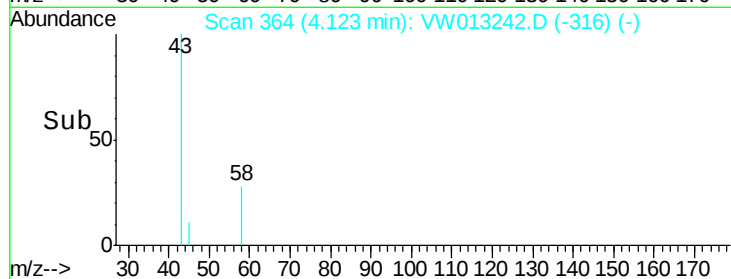
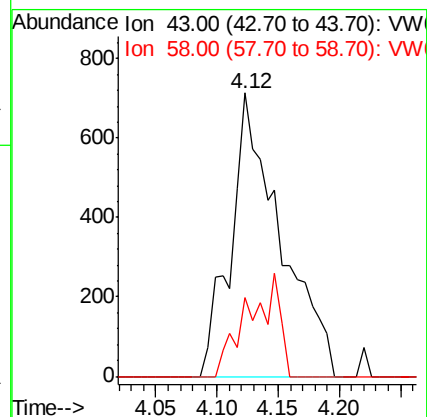
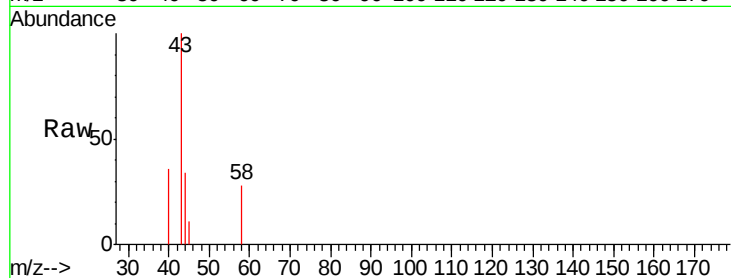
SOIL-COMP-1

Tgt Ion: 43 Resp: 2007

Ion Ratio Lower Upper

43 100

58 27.6 24.1 36.1



#20

Methylene Chloride

Concen: 3.510 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW013242.D

Acq: 23 Sep 2019 19:57

Tgt Ion: 84 Resp: 19747

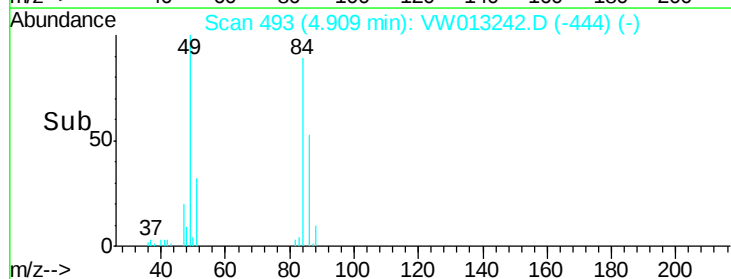
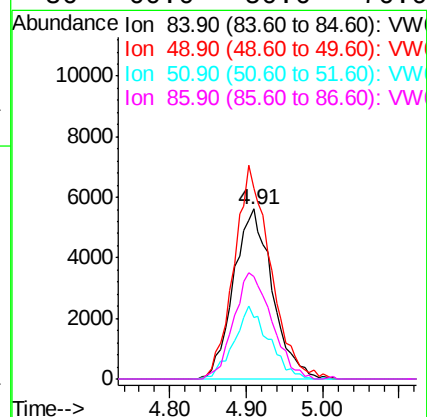
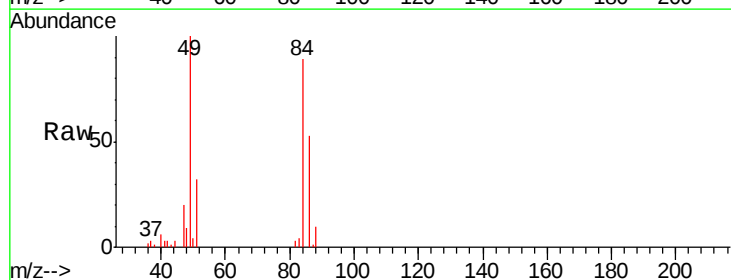
Ion Ratio Lower Upper

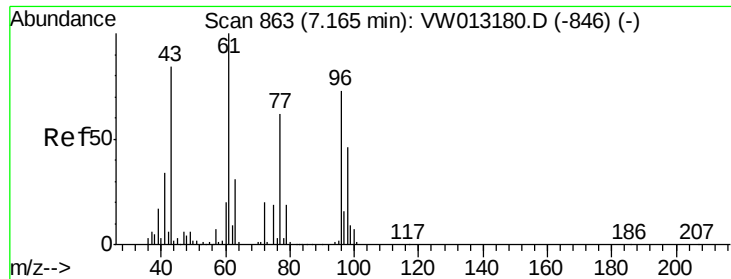
84 100

49 112.2 97.6 146.4

51 36.0 30.2 45.2

86 60.0 50.6 76.0





#25

2-Butanone

Concen: 1.339 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW013242.D

Acq: 23 Sep 2019 19:57

Instrument :

MSVOA_W

ClientSampled :

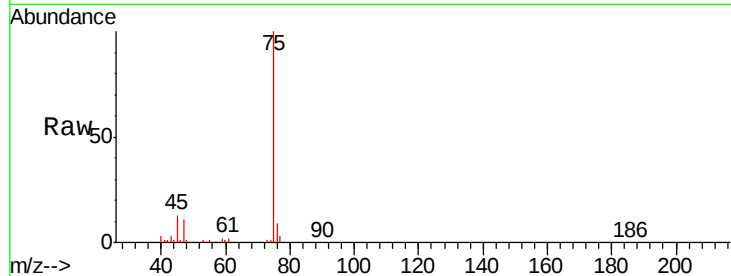
SOIL-COMP-1

Tgt Ion: 43 Resp: 1250

Ion Ratio Lower Upper

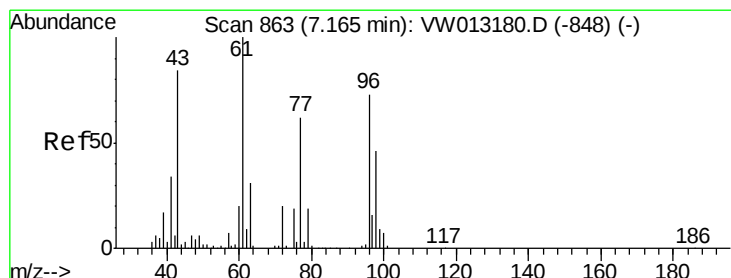
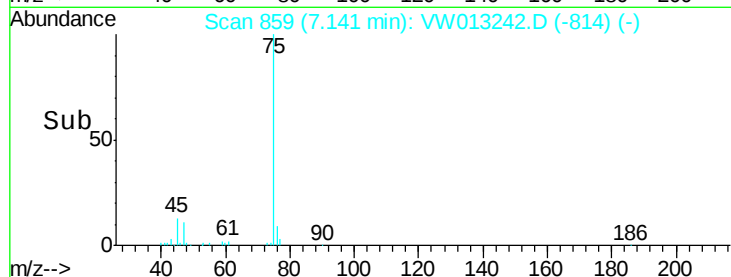
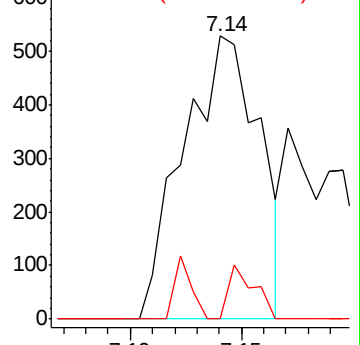
43 100

72 0.0 19.4 29.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.13 min Scan# 858

Delta R.T. -0.03 min

Lab File: VW013242.D

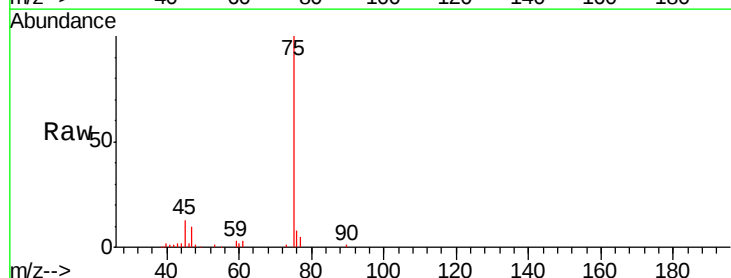
Acq: 23 Sep 2019 19:57

Tgt Ion: 77 Resp: 2042

Ion Ratio Lower Upper

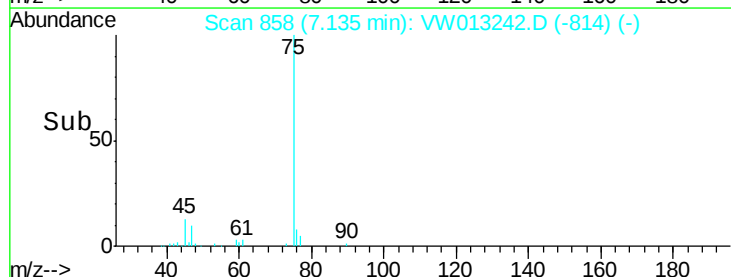
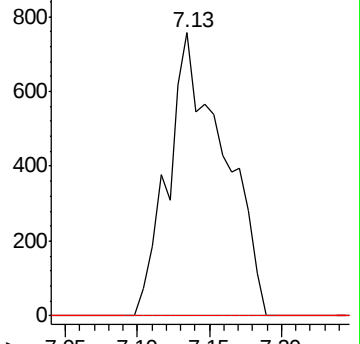
77 100

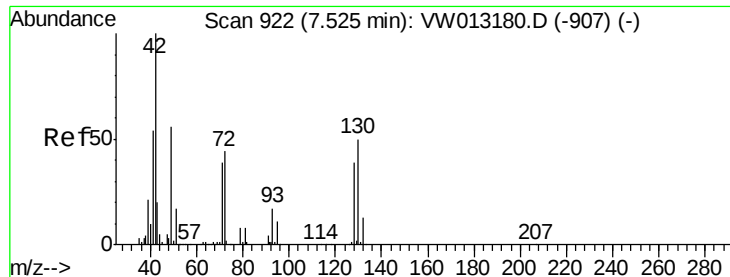
97 0.0 11.8 35.4#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

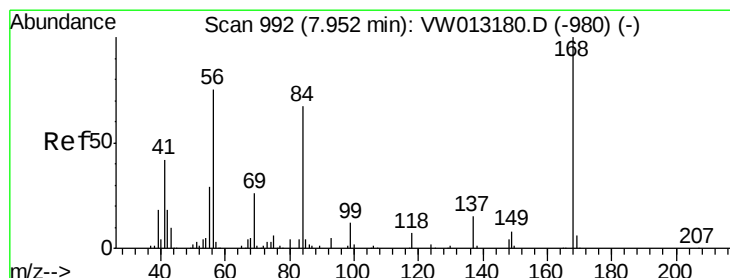
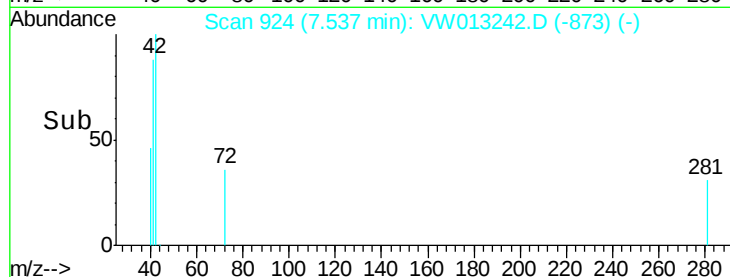
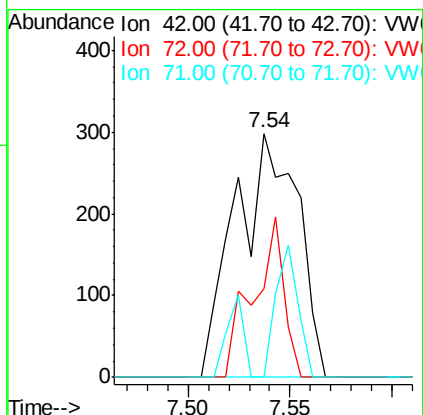
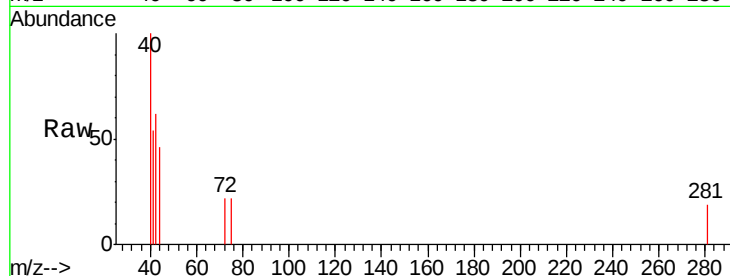




#29
Tetrahydrofuran
Concen: 1.115 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW013242.D
Acq: 23 Sep 2019 19:57

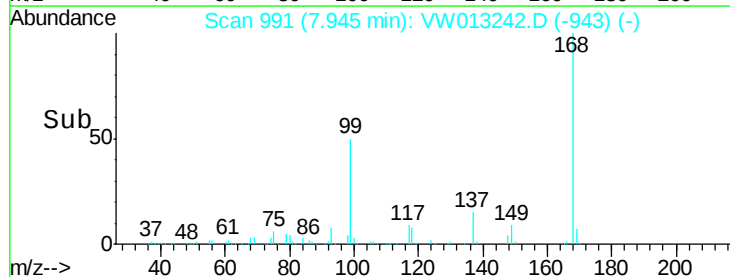
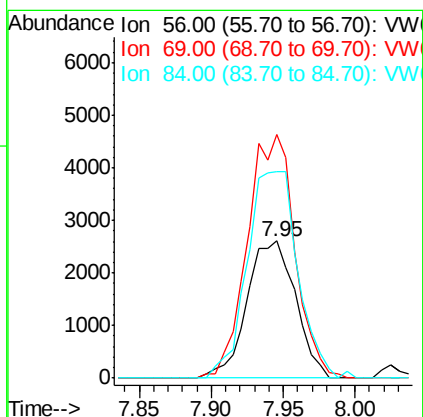
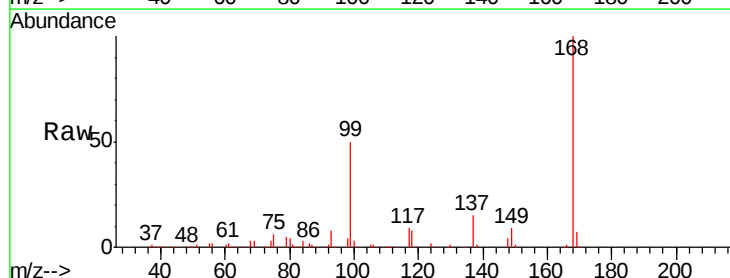
Instrument :
MSVOA_W
ClientSampleId :
SOIL-COMP-1

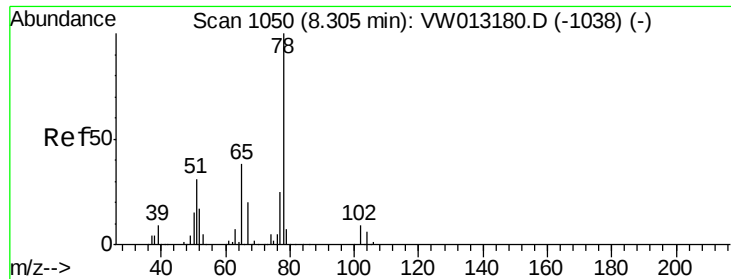
Tgt Ion: 42 Resp: 638
Ion Ratio Lower Upper
42 100
72 32.0 33.9 50.9#
71 19.1 31.9 47.9#



#31
Cyclohexane
Concen: 1.021 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW013242.D
Acq: 23 Sep 2019 19:57

Tgt Ion: 56 Resp: 6102
Ion Ratio Lower Upper
56 100
69 178.0 27.2 40.8#
84 150.6 70.8 106.2#





#33

1,2-Dichloroethane-d4

Concen: 49.397 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW013242.D

Acq: 23 Sep 2019 19:57

Instrument :

MSVOA_W

ClientSampled :

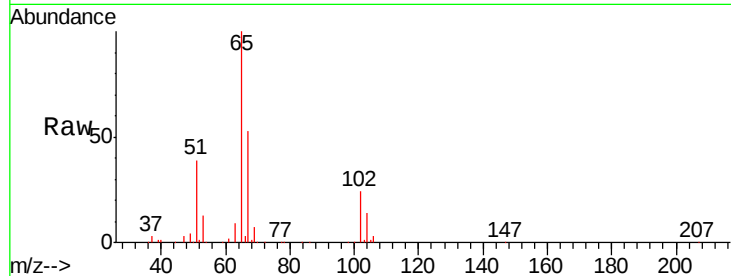
SOIL-COMP-1

Tgt Ion: 65 Resp: 136173

Ion Ratio Lower Upper

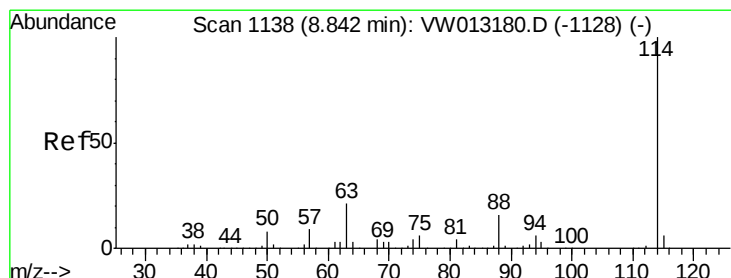
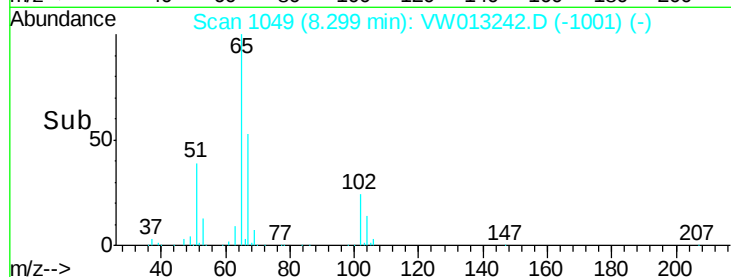
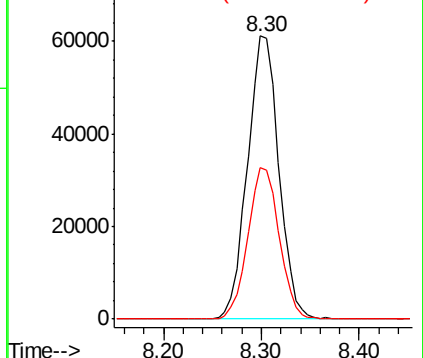
65 100

67 53.5 0.0 106.2



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# 1137

Delta R.T. -0.01 min

Lab File: VW013242.D

Acq: 23 Sep 2019 19:57

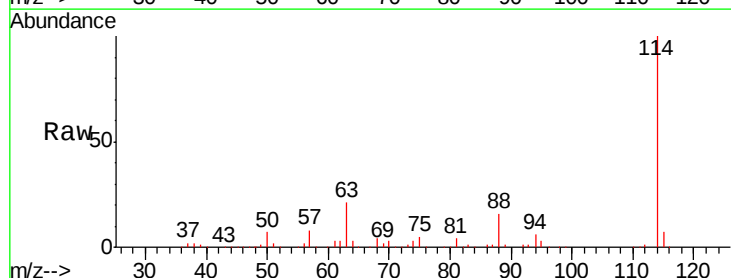
Tgt Ion: 114 Resp: 503931

Ion Ratio Lower Upper

114 100

63 21.0 0.0 41.4

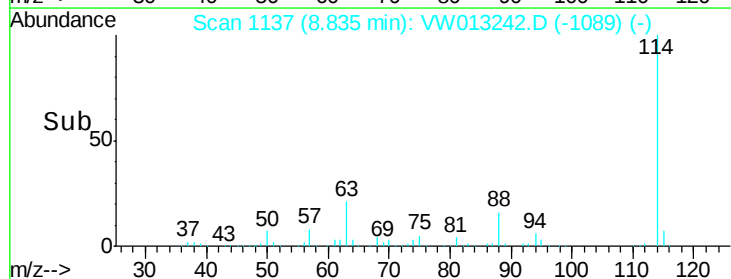
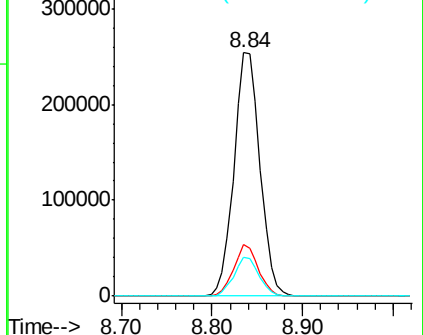
88 16.1 0.0 32.0

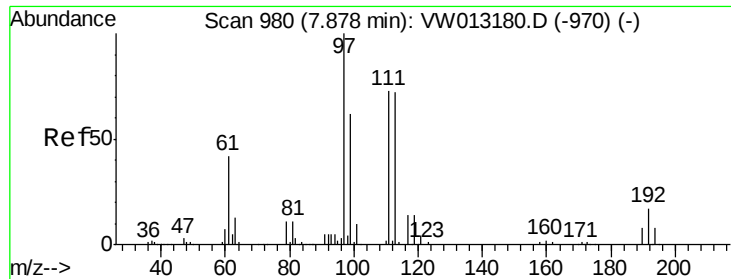


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 50.986 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW013242.D

Acq: 23 Sep 2019 19:57

Instrument :

MSVOA_W

ClientSampleId :

SOIL-COMP-1

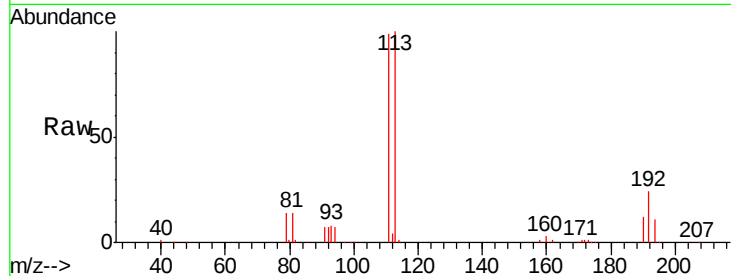
Tgt Ion:113 Resp: 141313

Ion Ratio Lower Upper

113 100

111 100.5 81.9 122.9

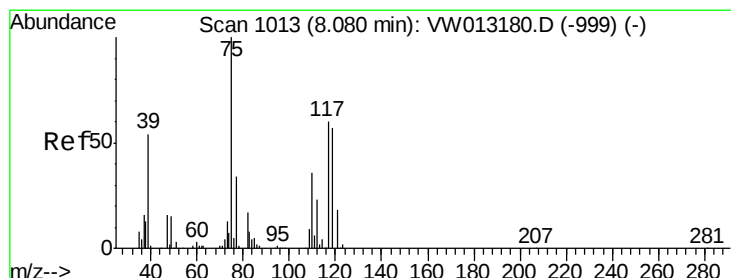
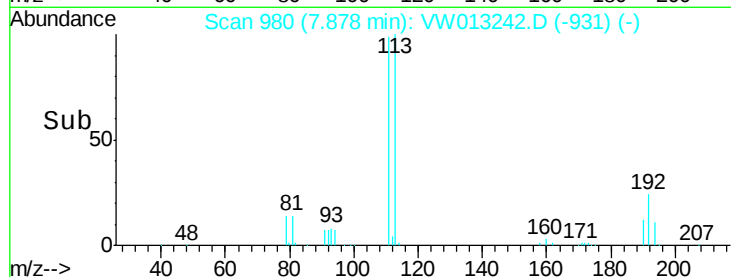
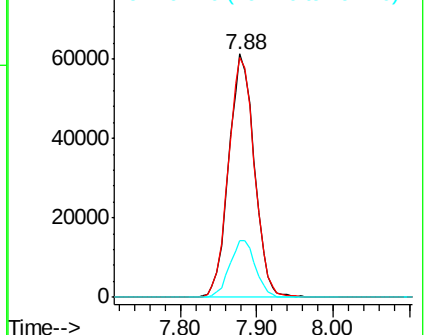
192 23.7 19.1 28.7



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: 4.562 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW013242.D

Acq: 23 Sep 2019 19:57

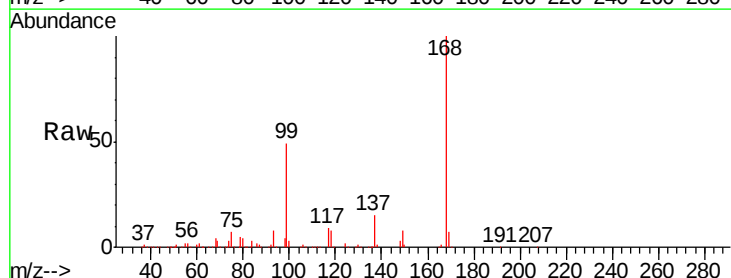
Tgt Ion: 75 Resp: 22267

Ion Ratio Lower Upper

75 100

110 8.3 18.1 54.3#

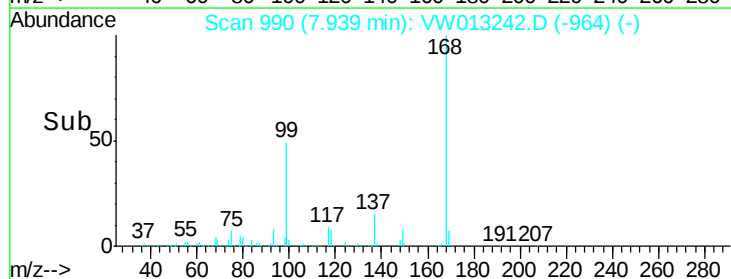
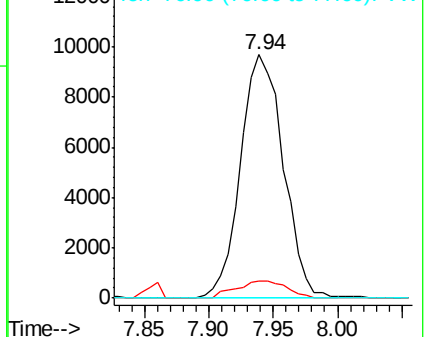
77 0.0 25.8 38.6#

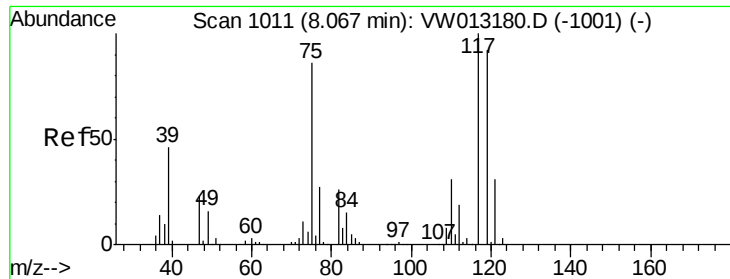


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

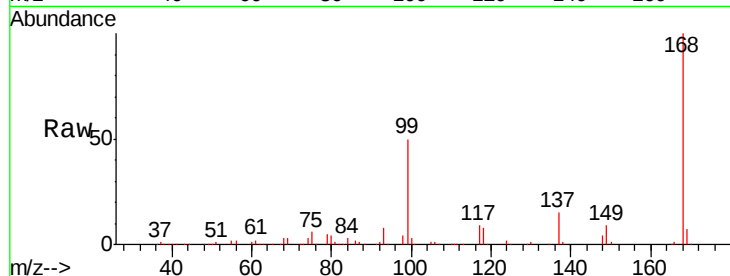




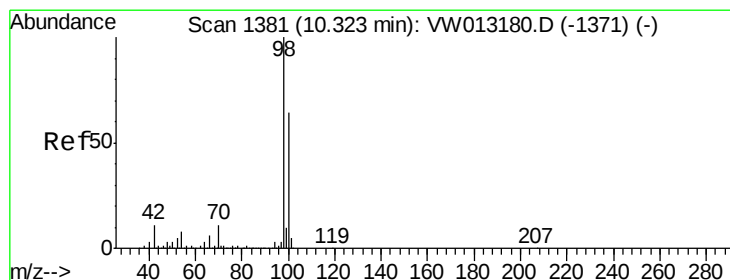
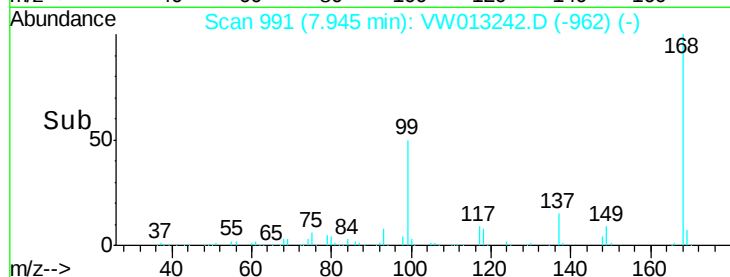
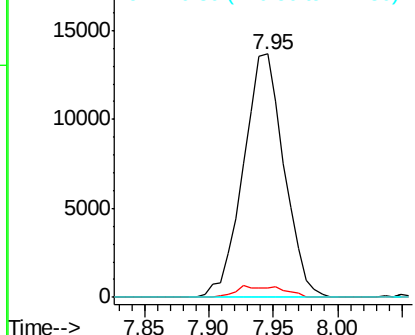
#38
Carbon Tetrachloride
Concen: 6.833 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW013242.D
Acq: 23 Sep 2019 19:57

Instrument :
MSVOA_W
ClientSampleId :
SOIL-COMP-1

Tgt Ion:117 Resp: 29897
Ion Ratio Lower Upper
117 100
119 4.1 73.5 110.3#
121 0.0 25.0 37.6#

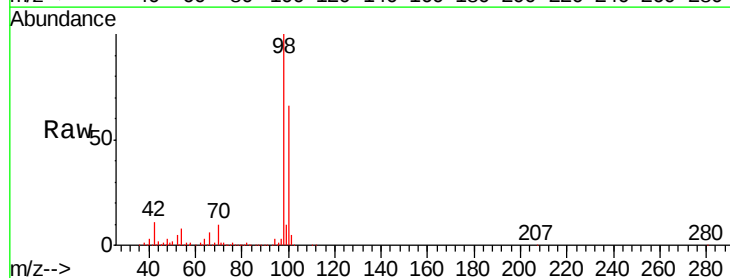


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

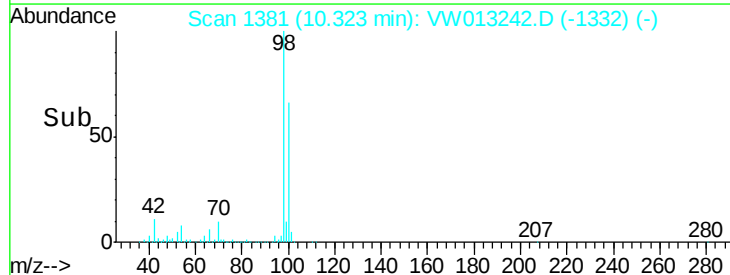
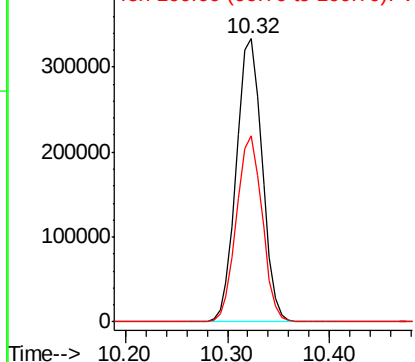


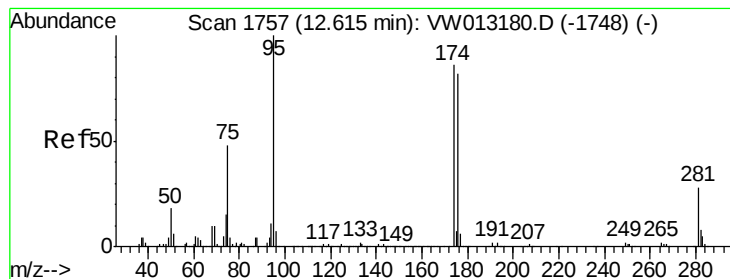
#50
Toluene-d8
Concen: 50.332 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013242.D
Acq: 23 Sep 2019 19:57

Tgt Ion: 98 Resp: 583835
Ion Ratio Lower Upper
98 100
100 65.5 52.9 79.3



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





#62

4-Bromofluorobenzene

Concen: 46.544 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013242.D

Acq: 23 Sep 2019 19:57

Instrument :

MSVOA_W

ClientSampled :

SOIL-COMP-1

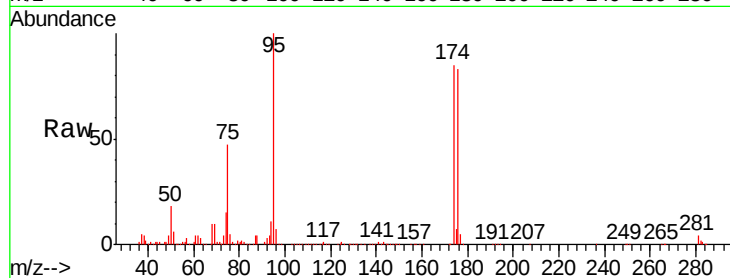
Tgt Ion: 95 Resp: 184422

Ion Ratio Lower Upper

95 100

174 88.6 0.0 178.4

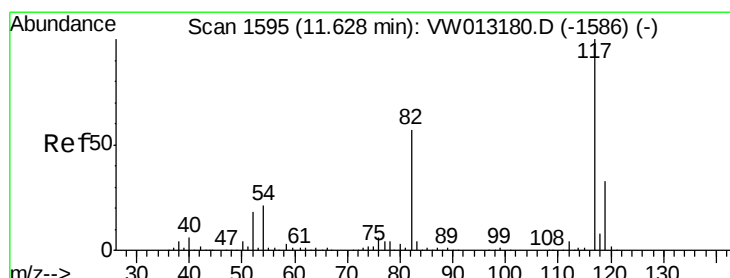
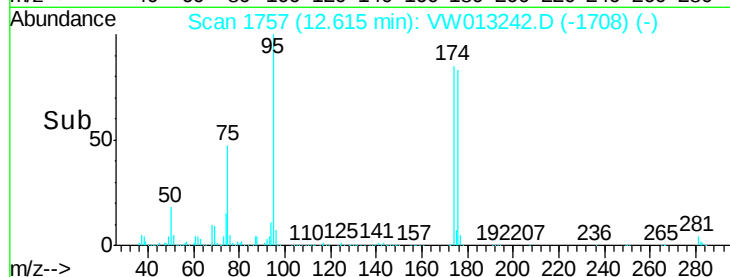
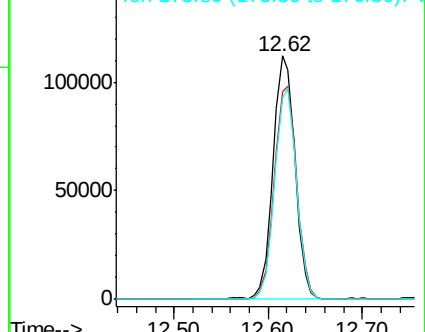
176 85.3 0.0 172.2



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# 1595

Delta R.T. -0.00 min

Lab File: VW013242.D

Acq: 23 Sep 2019 19:57

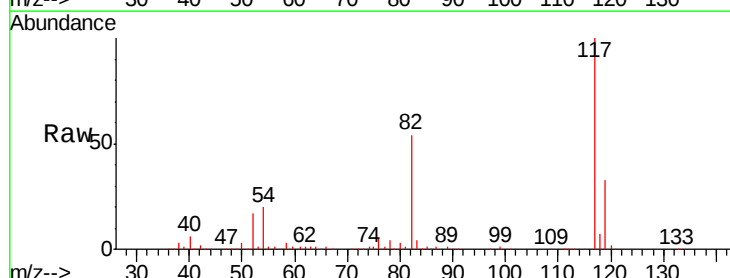
Tgt Ion: 117 Resp: 415527

Ion Ratio Lower Upper

117 100

82 54.1 45.9 68.9

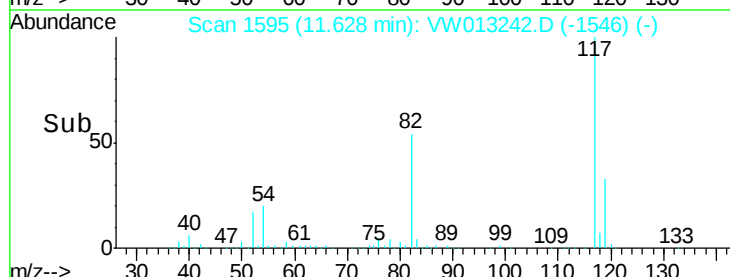
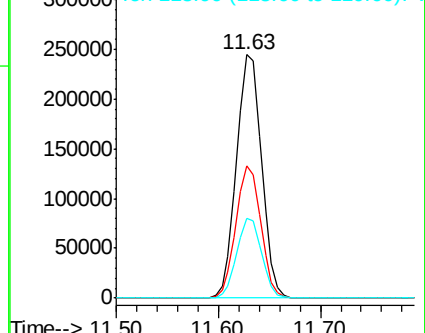
119 32.7 26.2 39.2

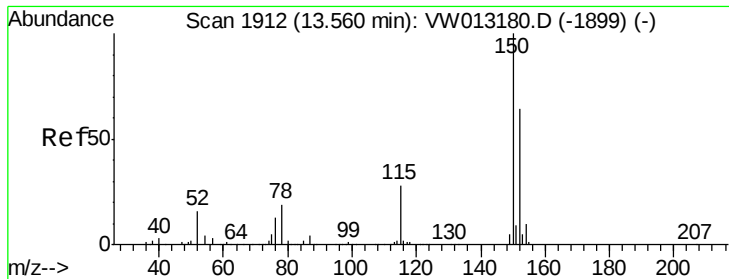


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



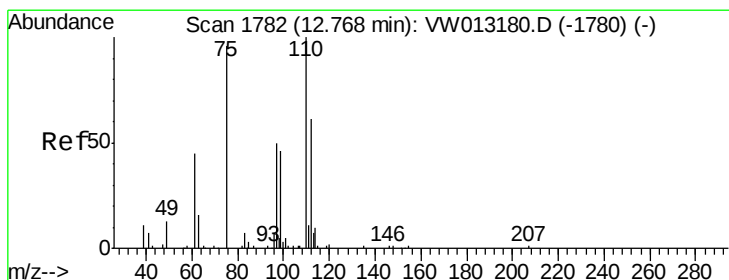
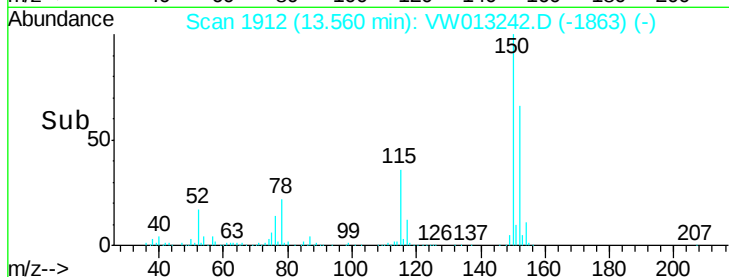
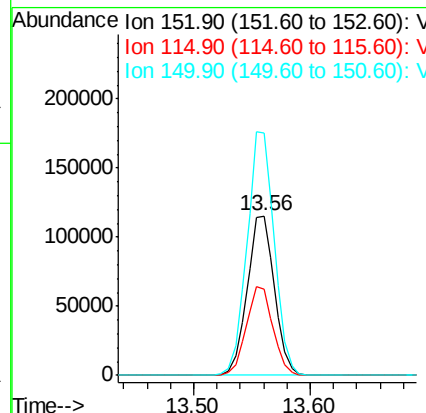
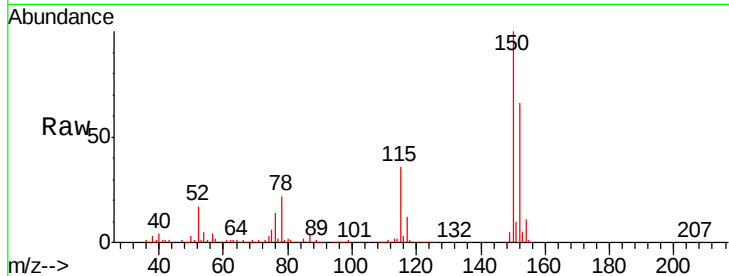


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW013242.D
Acq: 23 Sep 2019 19:57

Instrument :
MSVOA_W
ClientSampleId :
SOIL-COMP-1

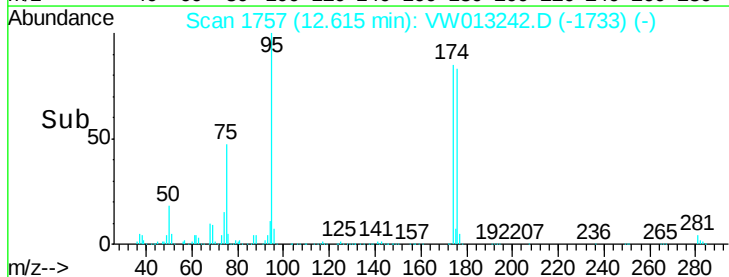
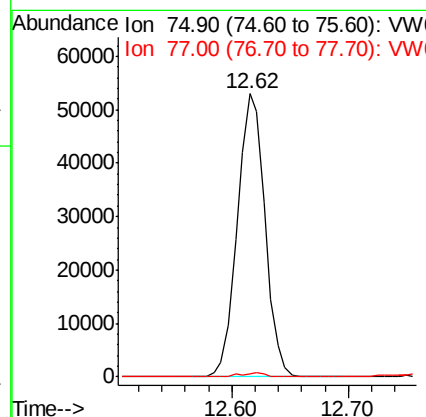
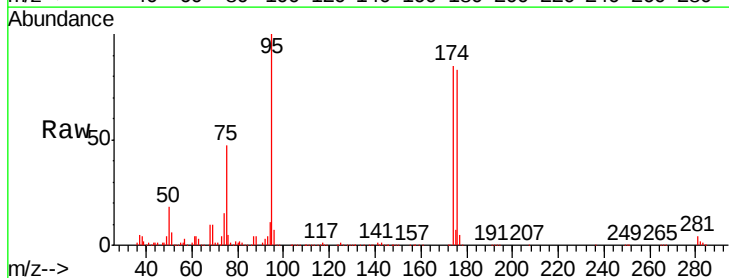
Tgt Ion:152 Resp: 188018
Ion Ratio Lower Upper
152 100
115 54.5 27.3 81.9
150 153.1 0.0 349.0

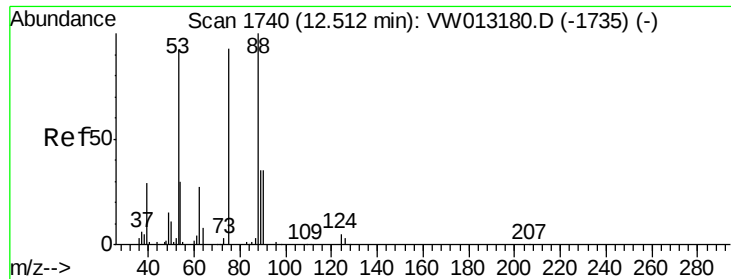


#76

1,2,3-Trichloropropane
Concen: 52.676 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW013242.D
Acq: 23 Sep 2019 19:57

Tgt Ion: 75 Resp: 87466
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 118.201 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW013242.D
 Acq: 23 Sep 2019 19:57

Instrument :
 MSVOA_W
 ClientSampleId :
 SOIL-COMP-1

Tgt Ion: 75 Resp: 87466
 Ion Ratio Lower Upper
 75 100
 53 0.2 76.6 114.8#
 89 0.0 33.5 50.3#

