

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062919\
 Data File : VW011070.D
 Acq On : 28 Jun 2019 19:08
 Operator : SY/VA
 Sample : K3563-01
 Misc : 6.52G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SOIL-COMP-1

Quant Time: Jun 29 01:52:18 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	160284	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	303442	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	237051	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	101501	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	118663	56.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.26%	
35) Dibromofluoromethane	7.88	113	88642	47.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.68%	
50) Toluene-d8	10.32	98	297294	38.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.96%	
62) 4-Bromofluorobenzene	12.62	95	110812	39.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.44%	

Target Compounds

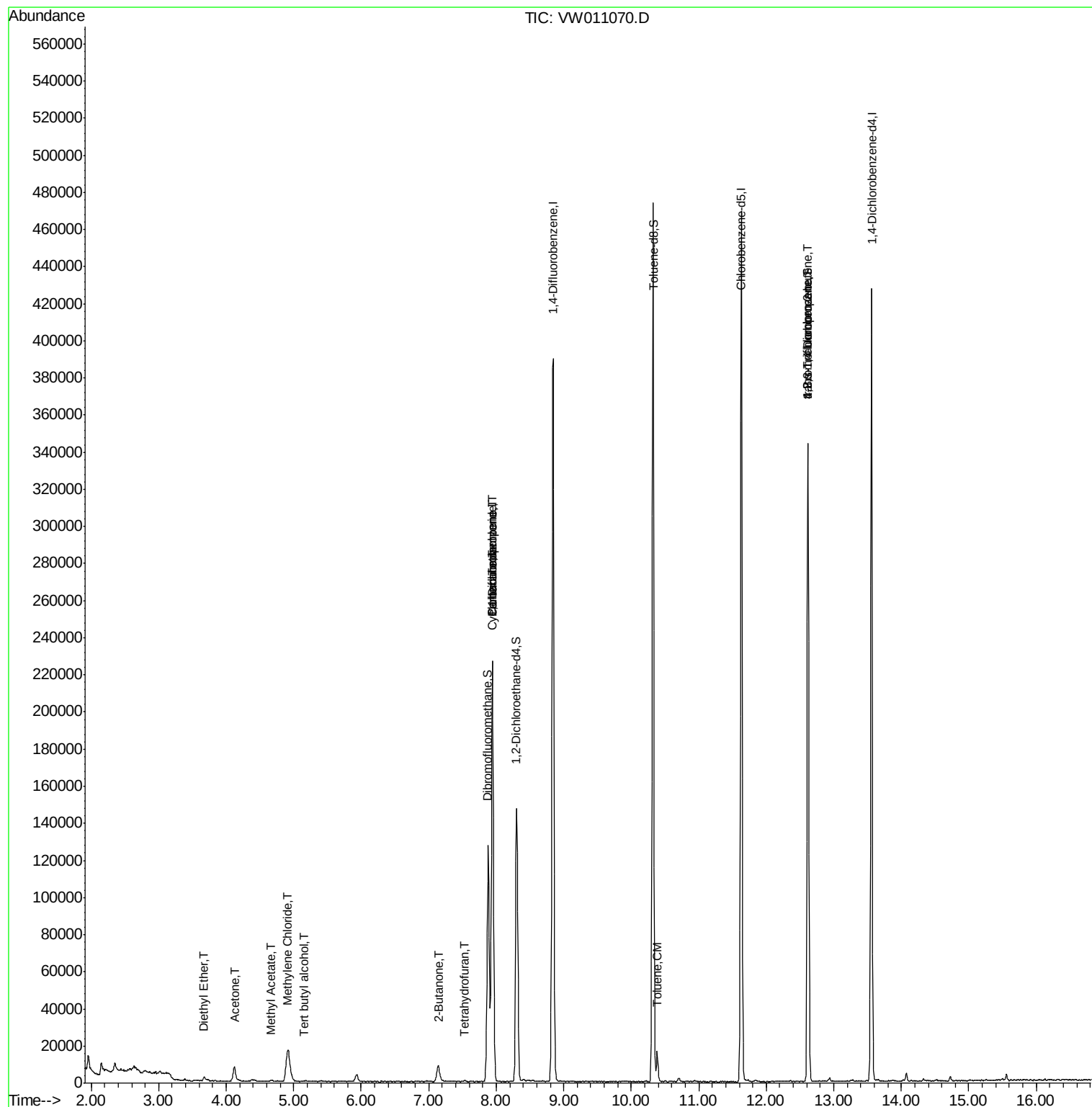
						Qvalue
8) Diethyl Ether	3.67	74	1126	1.147	ug/l	64
11) Tert butyl alcohol	5.14	59	231	1.518	ug/l	97
16) Acetone	4.12	43	14946	29.222	ug/l	96
18) Methyl Acetate	4.67	43	1523	1.150	ug/l	97
20) Methylene Chloride	4.92	84	14325	6.893	ug/l	97
25) 2-Butanone	7.15	43	942	1.212	ug/l #	54
29) Tetrahydrofuran	7.54	42	614	1.269	ug/l #	68
31) Cyclohexane	7.93	56	4651	1.160	ug/l #	25
36) 1,1-Dichloropropene	7.94	75	14707	4.509	ug/l #	51
38) Carbon Tetrachloride	7.94	117	16938	6.306	ug/l #	15
52) Toluene	10.38	92	6306	1.148	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	60911	56.842	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	60911	115.123	ug/l #	3

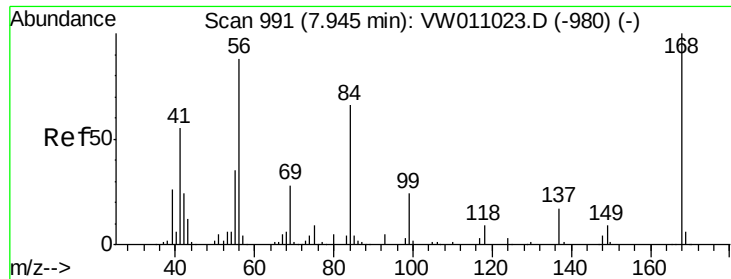
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW011070.D

Acq: 28 Jun 2019 19:08

Instrument :

MSVOA_W

ClientSampleId :

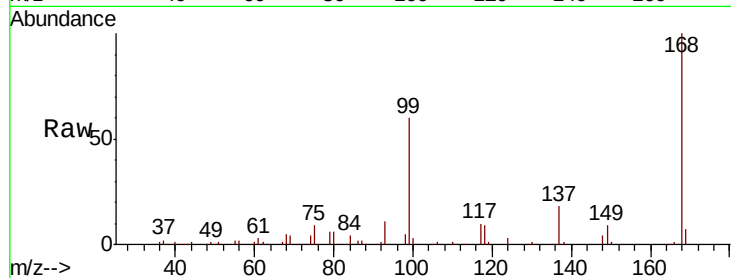
SOIL-COMP-1

Tot Ion:168 Resp: 160284

Ion Ratio Lower Upper

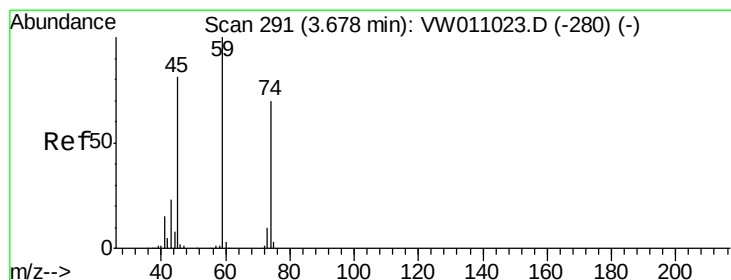
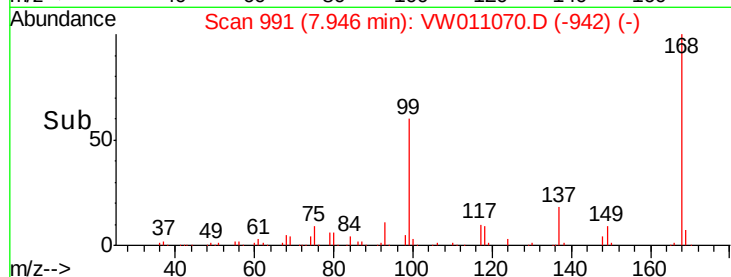
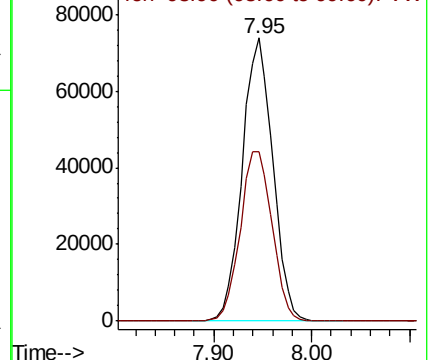
168 100

99 59.7 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.147 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW011070.D

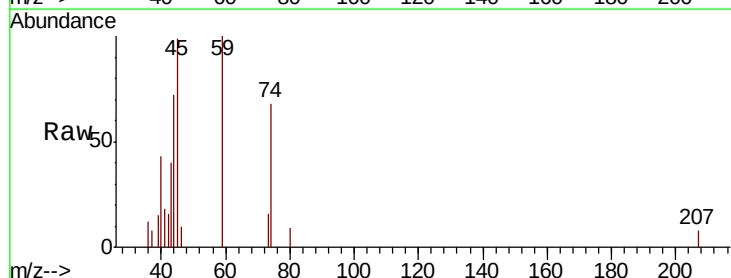
Acq: 28 Jun 2019 19:08

Tgt Ion: 74 Resp: 1126

Ion Ratio Lower Upper

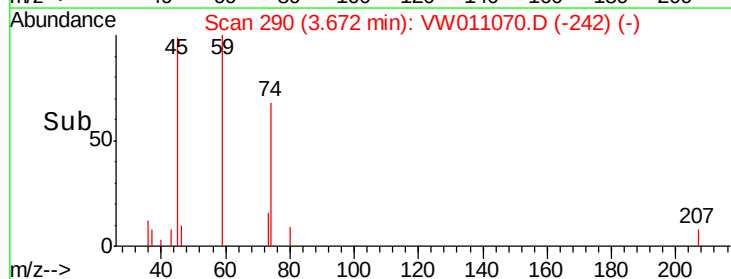
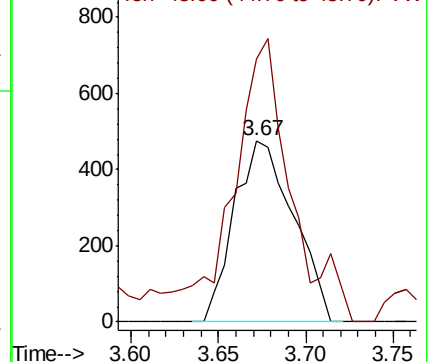
74 100

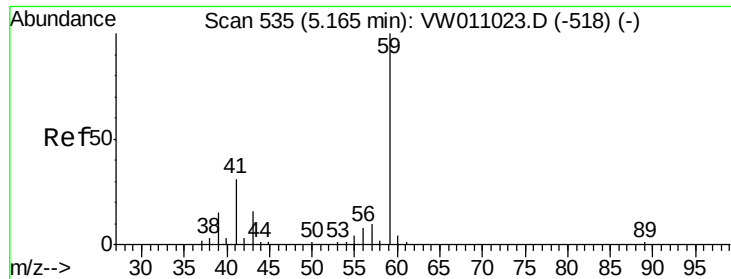
45 158.7 59.5 178.5



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

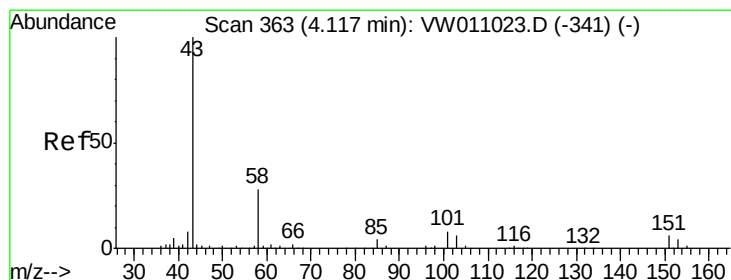
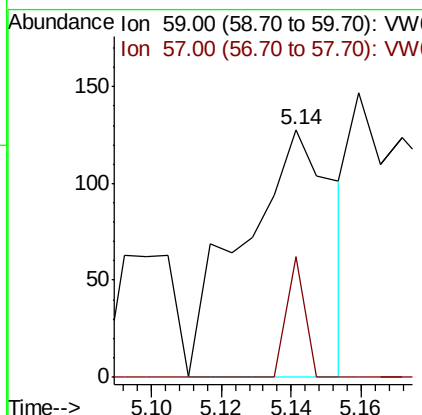
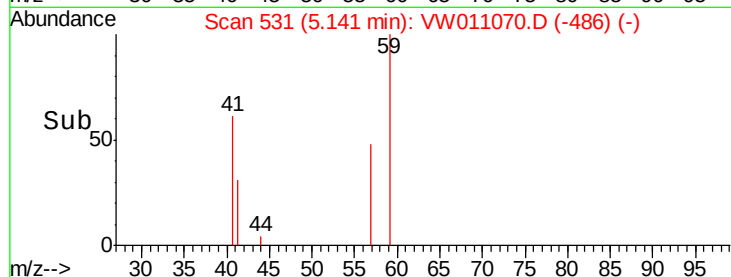
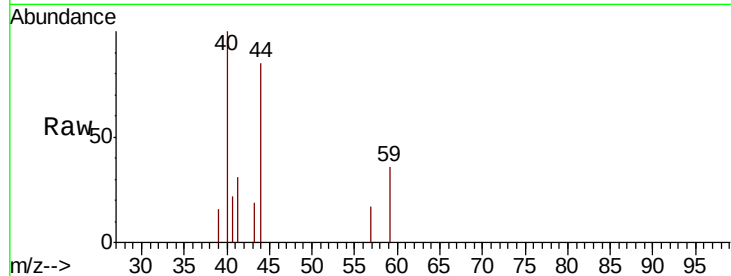




#11
Tert butyl alcohol
Concen: 1.518 ug/l
RT: 5.14 min Scan# 531
Delta R.T. -0.02 min
Lab File: VW011070.D
Acq: 28 Jun 2019 19:08

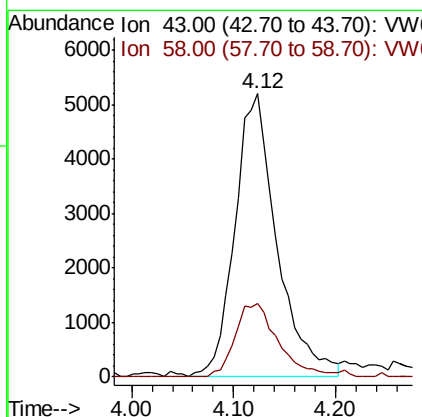
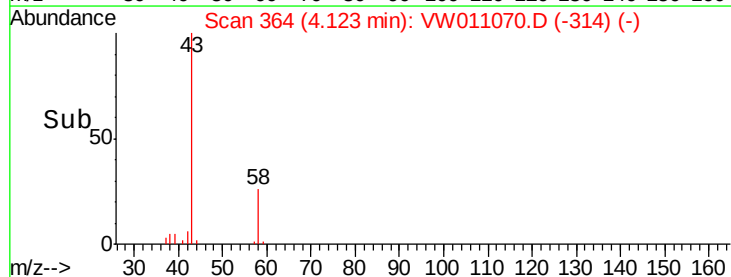
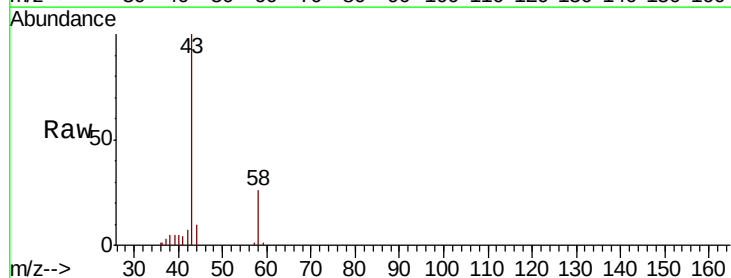
Instrument :
MSVOA_W
ClientSampleId :
SOIL-COMP-1

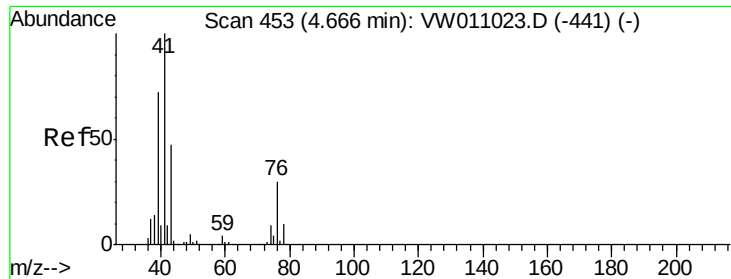
Tot Ion: 59 Resp: 231
Ion Ratio Lower Upper
59 100
57 10.0 9.0 13.4



#16
Acetone
Concen: 29.222 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW011070.D
Acq: 28 Jun 2019 19:08

Tgt Ion: 43 Resp: 14946
Ion Ratio Lower Upper
43 100
58 25.8 22.5 33.7

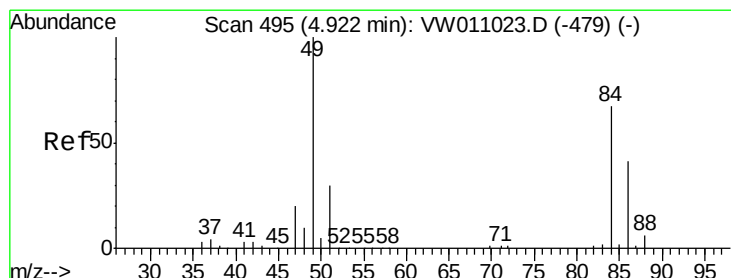
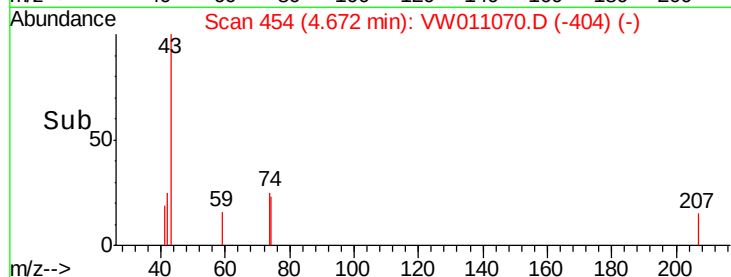
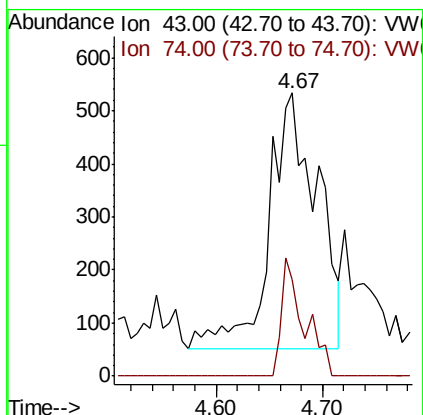
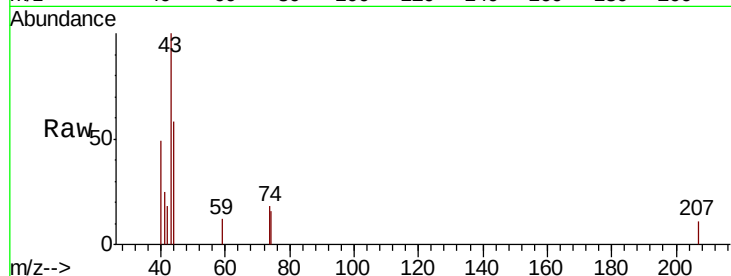




#18
Methyl Acetate
Concen: 1.150 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW011070.D
Acq: 28 Jun 2019 19:08

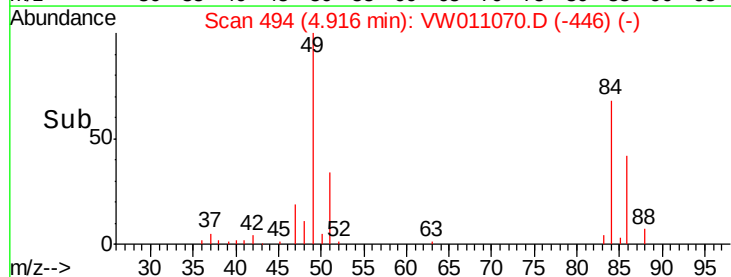
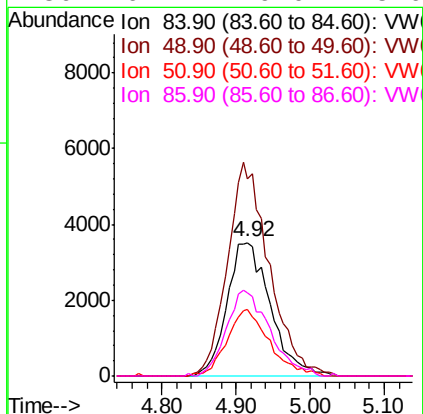
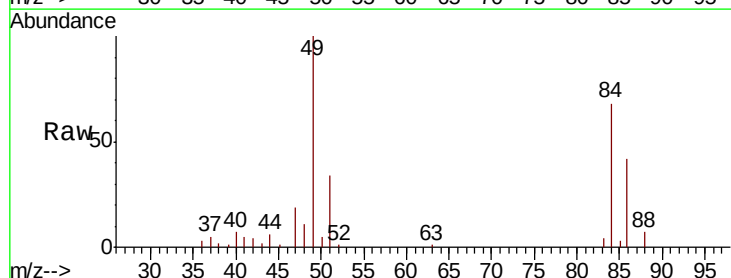
Instrument :
MSVOA_W
ClientSampleId :
SOIL-COMP-1

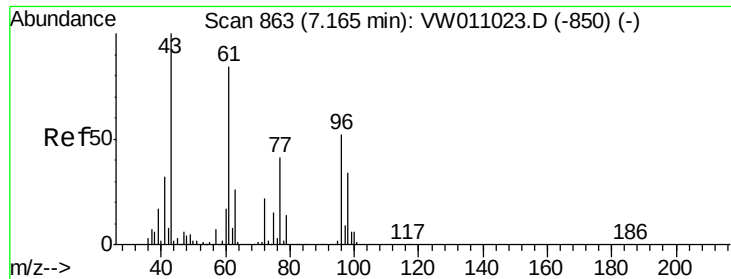
Tot Ion: 43 Resp: 1523
Ion Ratio Lower Upper
43 100
74 21.2 15.8 23.8



#20
Methylene Chloride
Concen: 6.893 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011070.D
Acq: 28 Jun 2019 19:08

Tgt Ion: 84 Resp: 14325
Ion Ratio Lower Upper
84 100
49 147.6 119.6 179.4
51 49.4 35.6 53.4
86 62.4 49.0 73.6

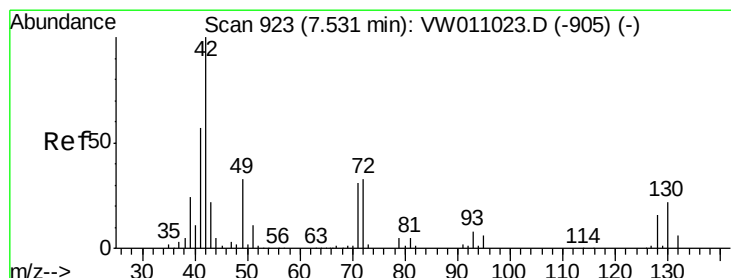
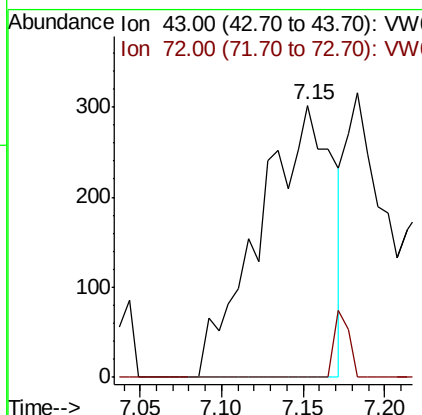
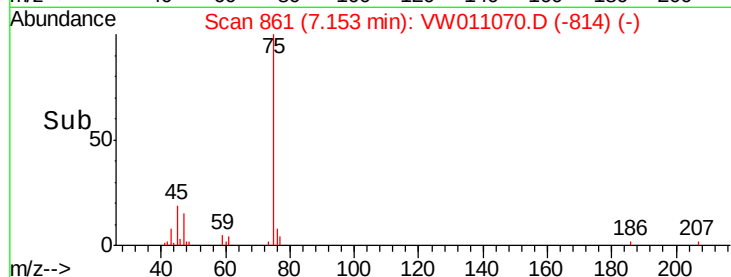
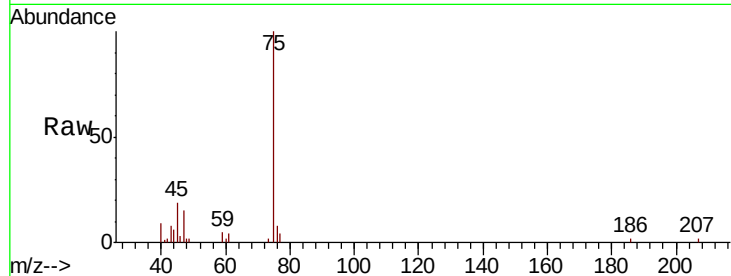




#25
2-Butanone
Concen: 1.212 ug/l
RT: 7.15 min Scan# 861
Delta R.T. -0.01 min
Lab File: VW011070.D
Acq: 28 Jun 2019 19:08

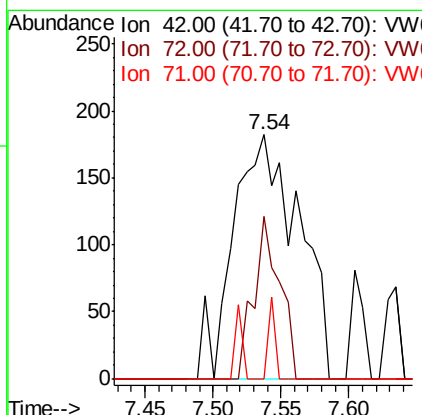
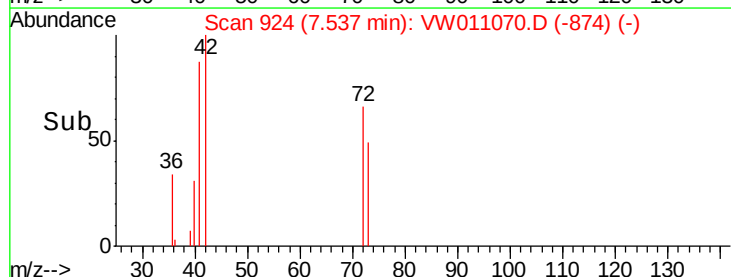
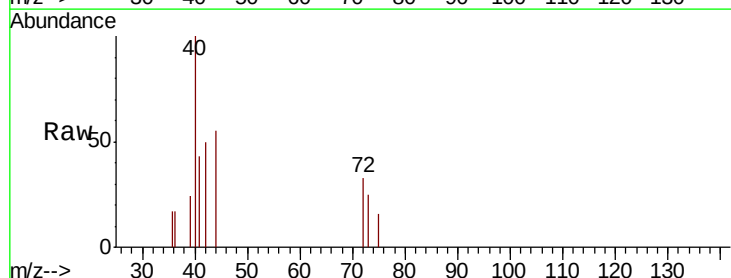
Instrument :
MSVOA_W
ClientSampled :
SOIL-COMP-1

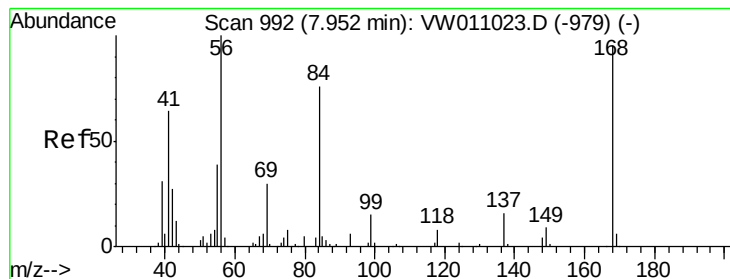
Tot Ion: 43 Resp: 942
Ion Ratio Lower Upper
43 100
72 0.0 17.2 25.8#



#29
Tetrahydrofuran
Concen: 1.269 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW011070.D
Acq: 28 Jun 2019 19:08

Tgt Ion: 42 Resp: 614
Ion Ratio Lower Upper
42 100
72 26.4 27.4 41.0#
71 3.6 25.6 38.4#





#31

Cyclohexane

Concen: 1.160 ug/l

RT: 7.93 min Scan# 989

Delta R.T. -0.02 min

Lab File: VW011070.D

Acq: 28 Jun 2019 19:08

Instrument :

MSVOA_W

ClientSampleId :

SOIL-COMP-1

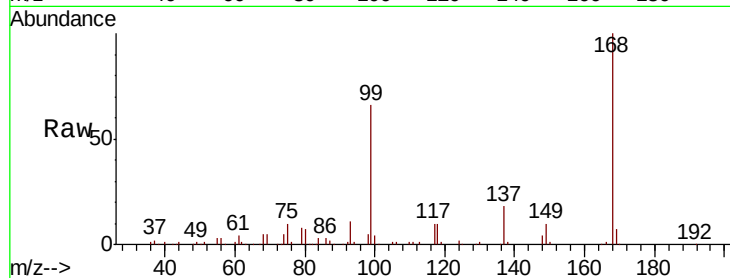
Tot Ion: 56 Resp: 4651

Ion Ratio Lower Upper

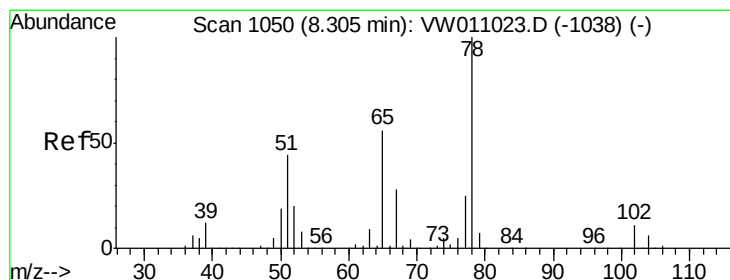
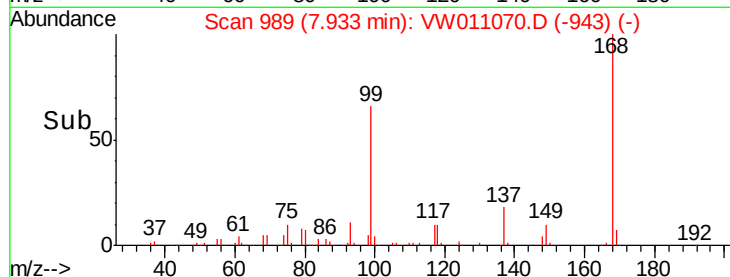
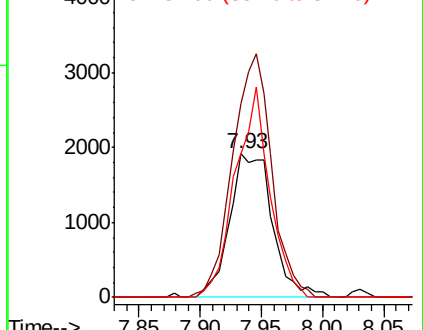
56 100

69 135.2 24.2 36.2#

84 100.0 60.6 90.8#



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: 56.632 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW011070.D

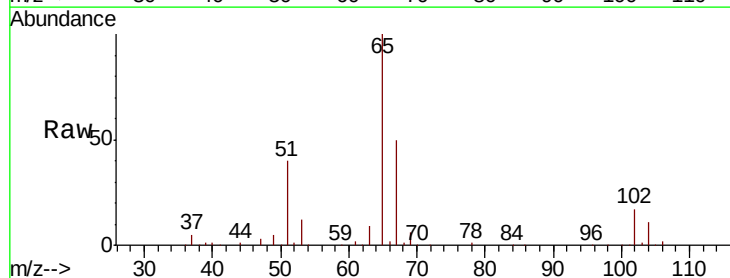
Acq: 28 Jun 2019 19:08

Tgt Ion: 65 Resp: 118663

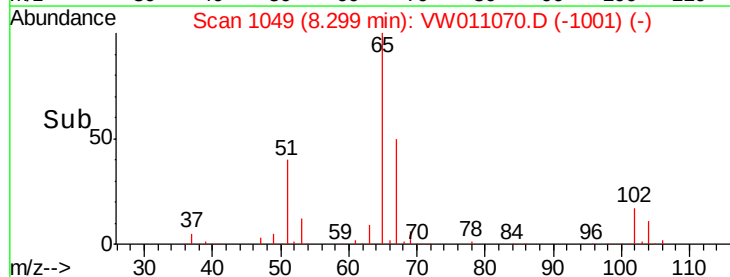
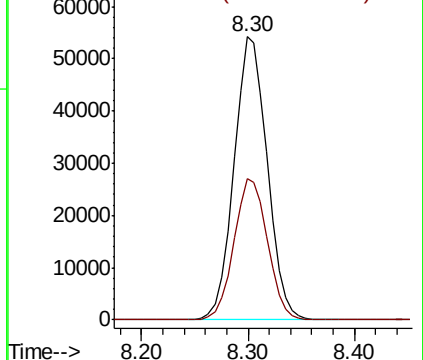
Ion Ratio Lower Upper

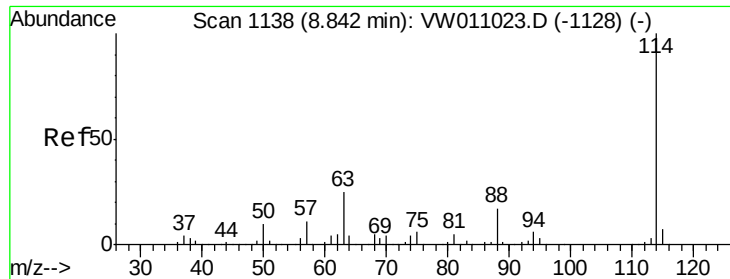
65 100

67 50.5 0.0 102.4



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

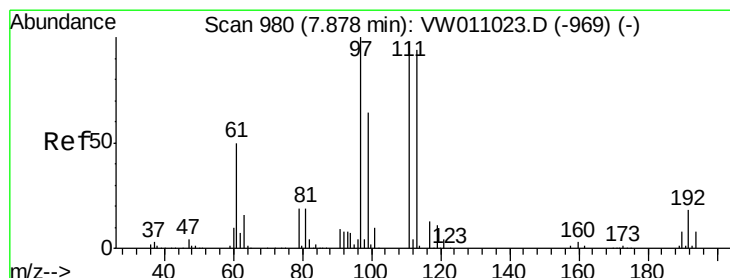
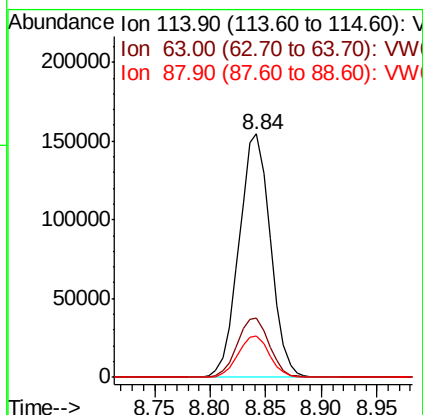
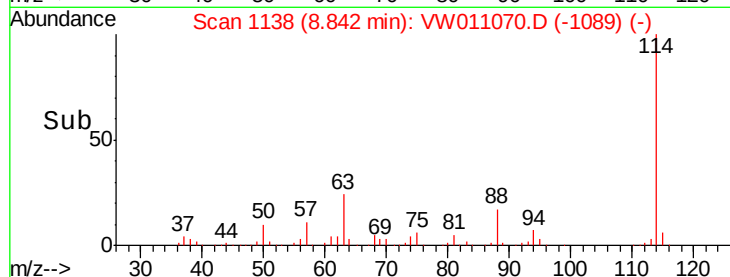
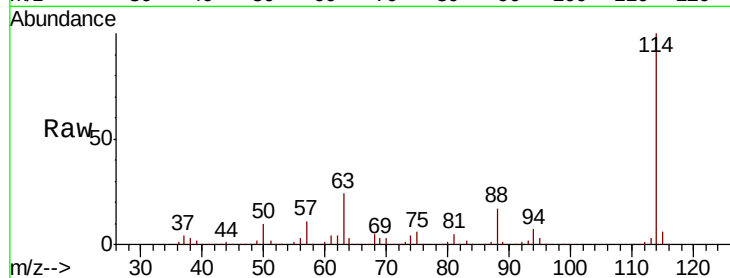




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW011070.D
Acq: 28 Jun 2019 19:08

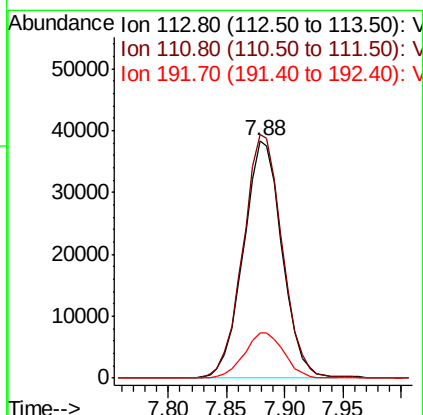
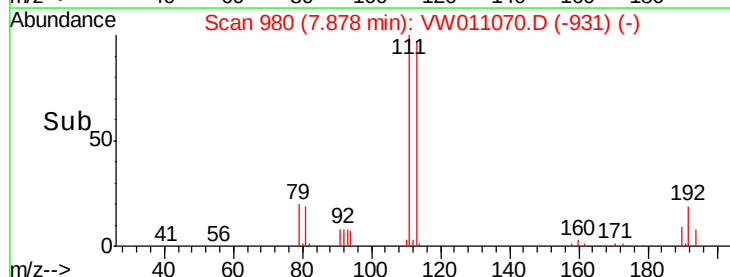
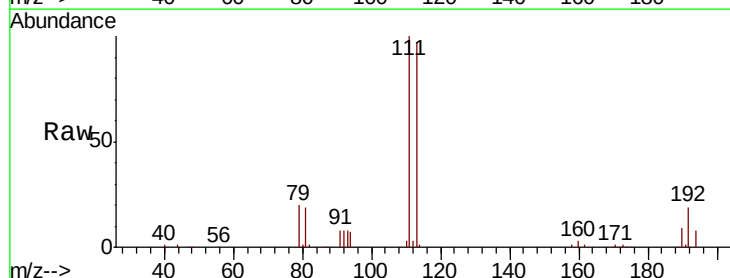
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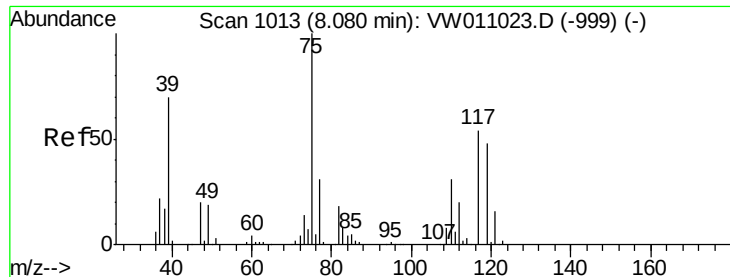
Tot Ion:114 Resp: 303442
Ion Ratio Lower Upper
114 100
63 24.4 0.0 50.6
88 16.9 0.0 34.0



#35
Dibromofluoromethane
Concen: 47.839 ug/l
RT: 7.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: VW011070.D
Acq: 28 Jun 2019 19:08

Tgt Ion:113 Resp: 88642
Ion Ratio Lower Upper
113 100
111 104.1 83.8 125.6
192 19.6 16.0 24.0

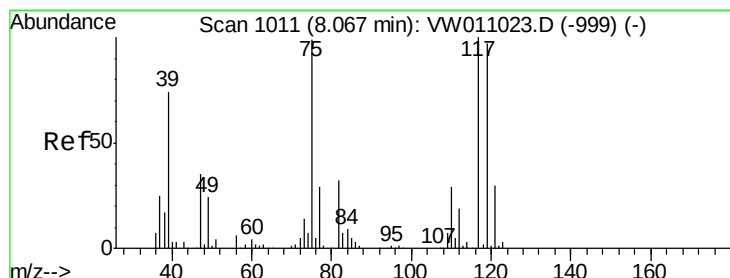
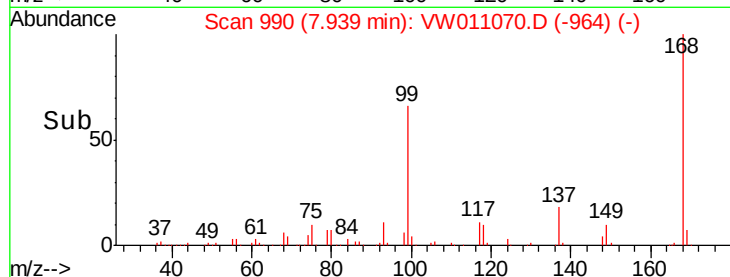
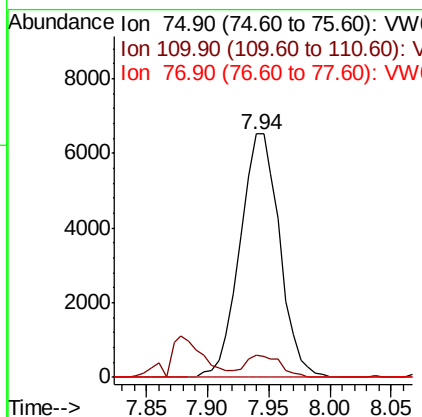
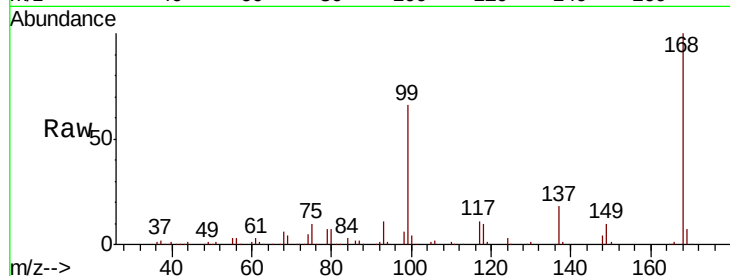




#36
 1,1-Dichloropropene
 Concen: 4.509 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW011070.D
 Acq: 28 Jun 2019 19:08

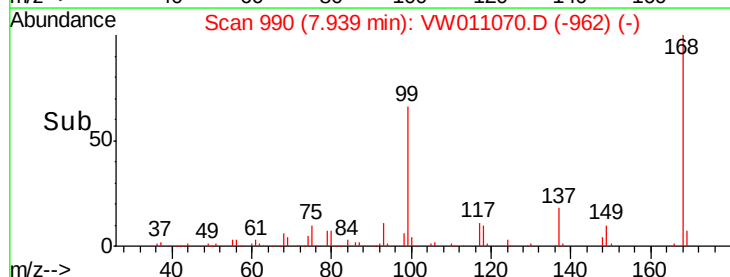
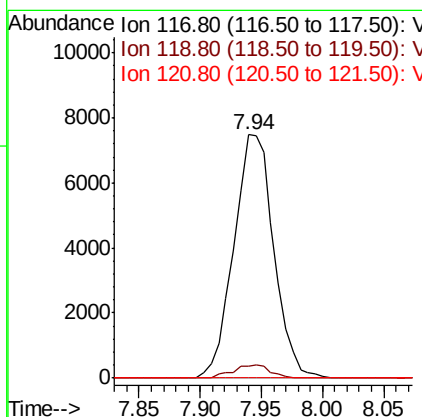
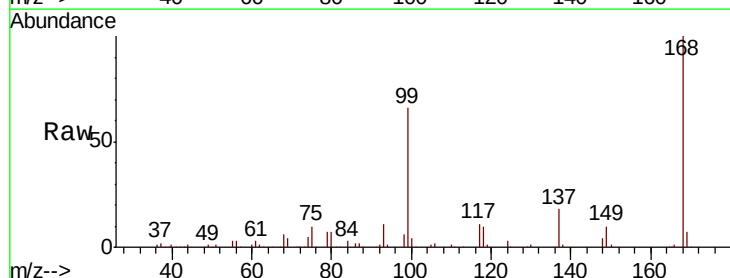
Instrument :
 MSVOA_W
 ClientSampleId :
 SOIL-COMP-1

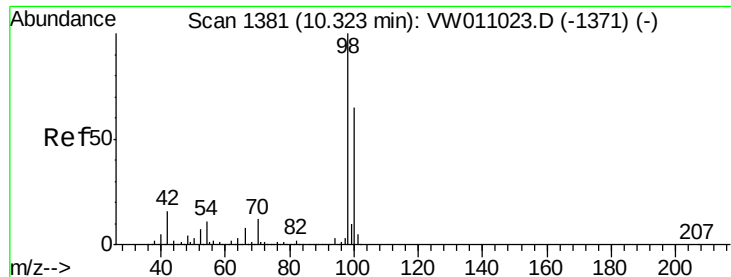
Tot Ion: 75 Resp: 14707
 Ion Ratio Lower Upper
 75 100
 110 8.5 15.5 46.5#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 6.306 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW011070.D
 Acq: 28 Jun 2019 19:08

Tgt Ion: 117 Resp: 16938
 Ion Ratio Lower Upper
 117 100
 119 4.8 77.7 116.5#
 121 0.0 23.9 35.9#





#50

Toluene-d8

Concen: 38.978 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011070.D

Acq: 28 Jun 2019 19:08

Instrument :

MSVOA_W

ClientSampleId :

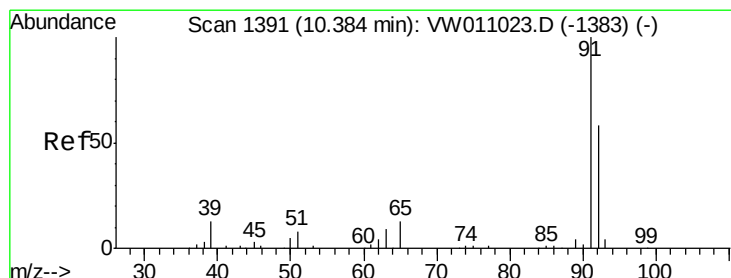
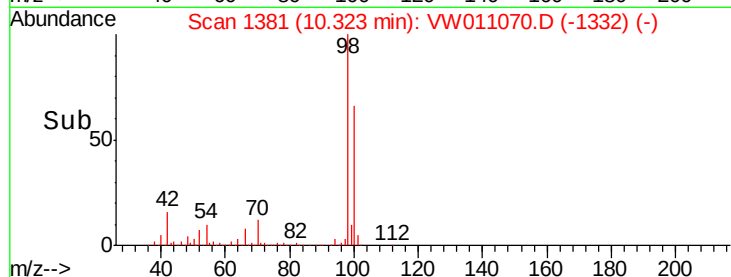
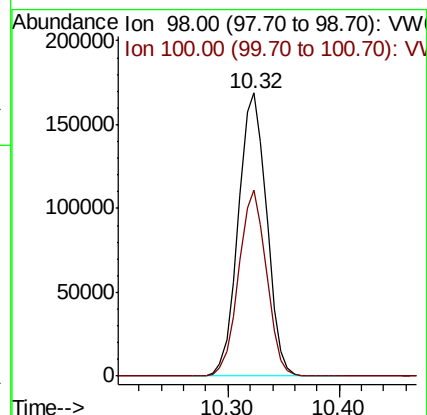
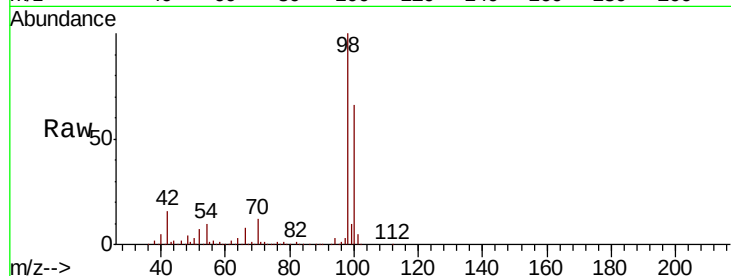
SOIL-COMP-1

Tot Ion: 98 Resp: 297294

Ion Ratio Lower Upper

98 100

100 64.5 52.3 78.5



#52

Toluene

Concen: 1.148 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW011070.D

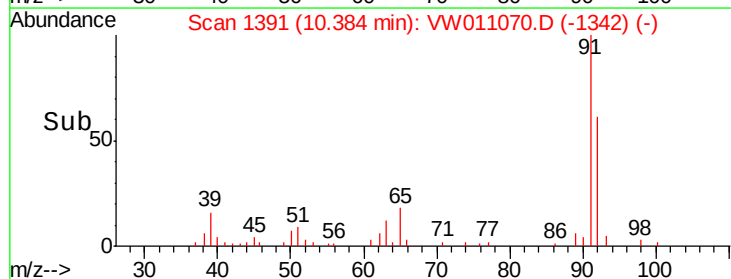
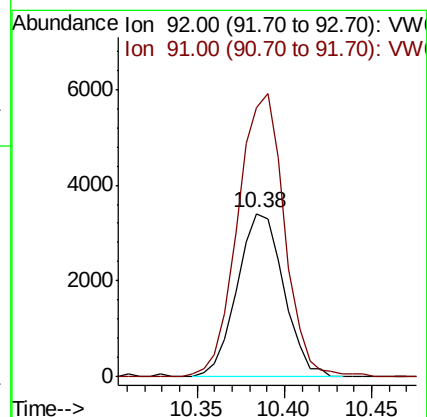
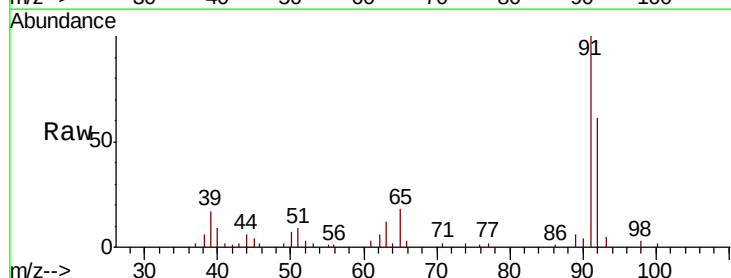
Acq: 28 Jun 2019 19:08

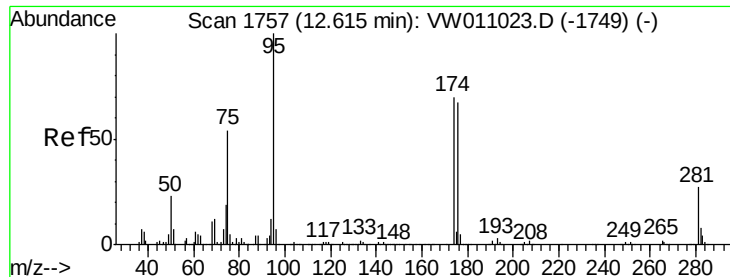
Tgt Ion: 92 Resp: 6306

Ion Ratio Lower Upper

92 100

91 174.2 136.9 205.3

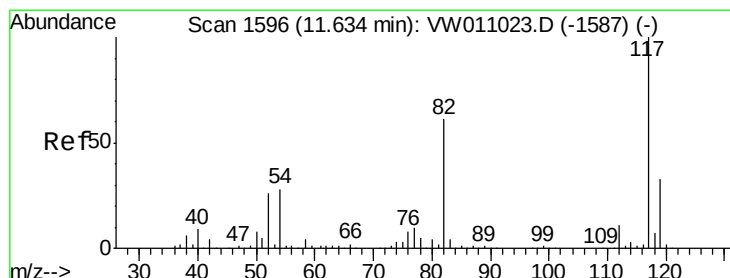
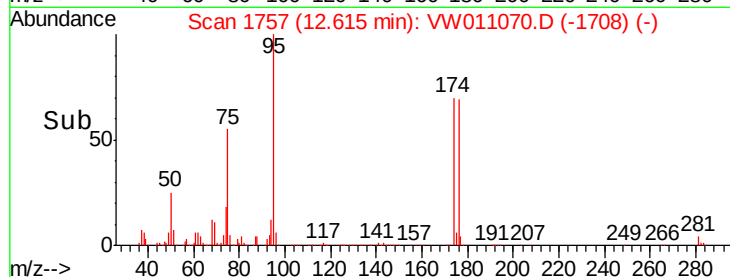
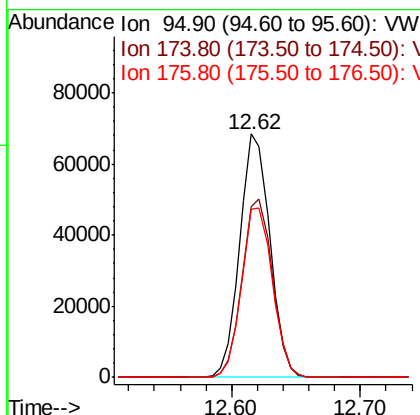
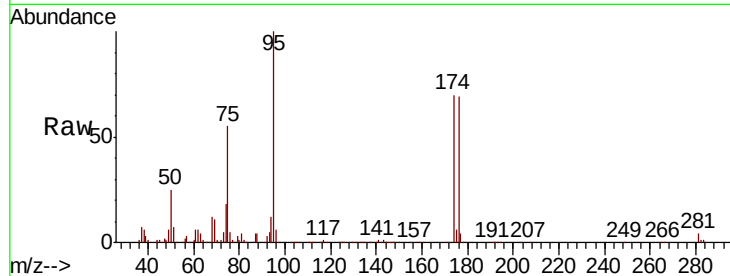




#62
4-Bromofluorobenzene
Concen: 39.723 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW011070.D
Acq: 28 Jun 2019 19:08

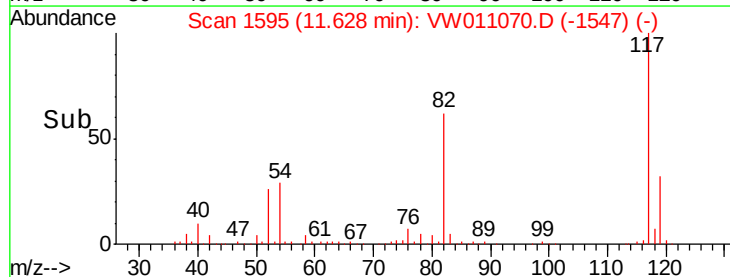
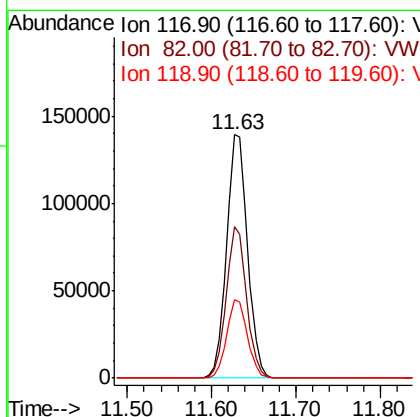
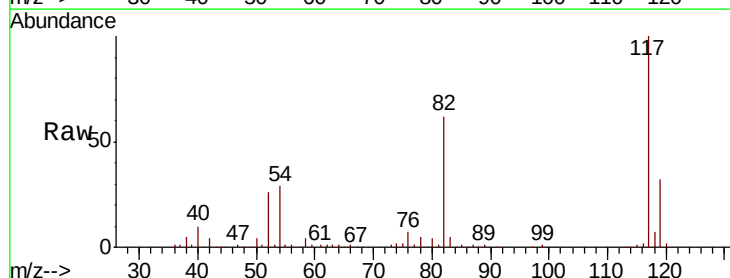
Instrument :
MSVOA_W
ClientSampleId :
SOIL-COMP-1

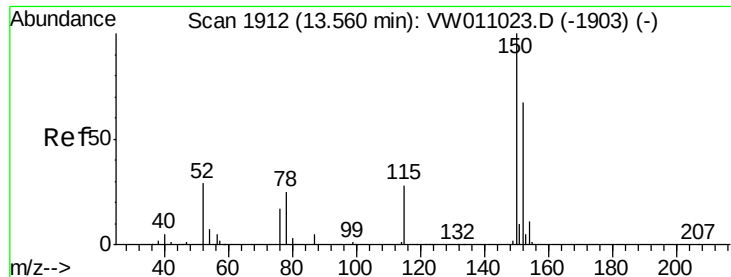
Tot Ion: 95 Resp: 110812
Ion Ratio Lower Upper
95 100
174 74.3 0.0 149.2
176 71.3 0.0 143.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011070.D
Acq: 28 Jun 2019 19:08

Tgt Ion: 117 Resp: 237051
Ion Ratio Lower Upper
117 100
82 62.1 48.6 73.0
119 32.4 26.1 39.1



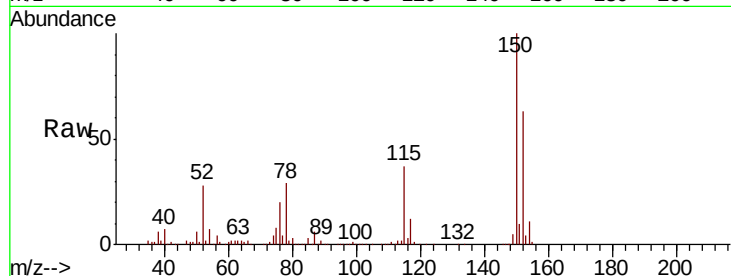


#72

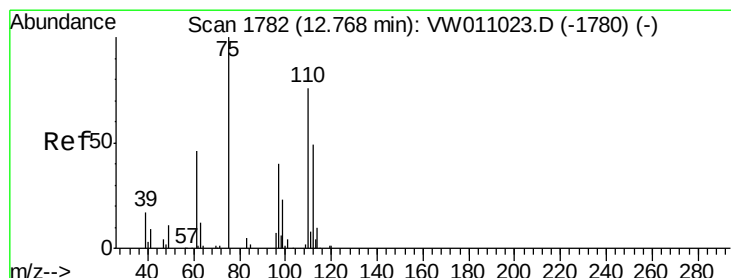
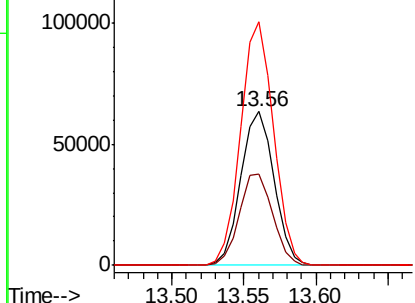
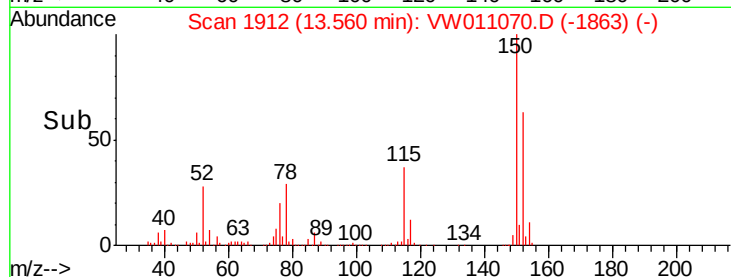
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011070.D
Acq: 28 Jun 2019 19:08

Instrument :
MSVOA_W
ClientSampleId :
SOIL-COMP-1

Tot Ion	Ratio	Lower	Upper
152	100		
115	60.2	30.7	92.1
150	156.7	0.0	341.8



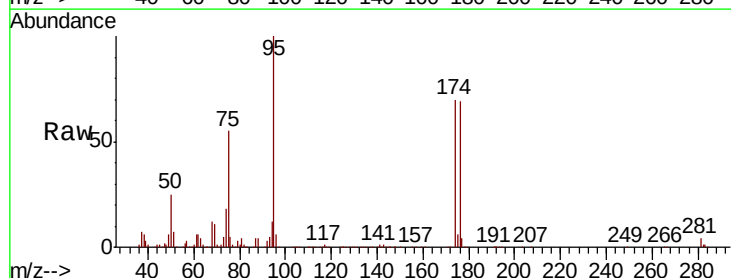
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



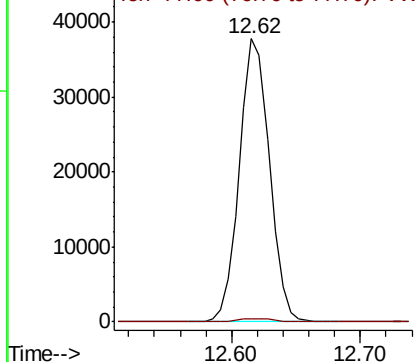
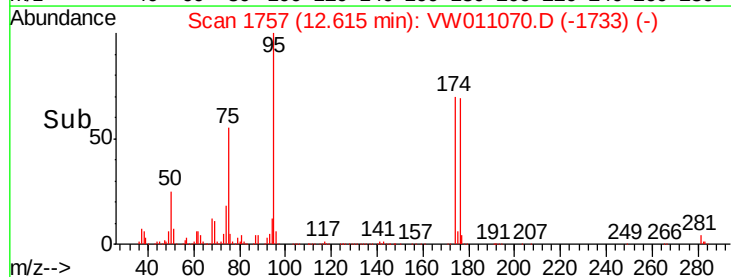
#76

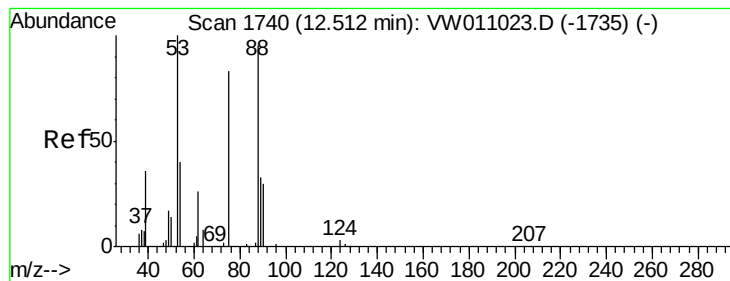
1,2,3-Trichloropropane
Concen: 56.842 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW011070.D
Acq: 28 Jun 2019 19:08

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	0.0	0.0#



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: 115.123 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011070.D

Acq: 28 Jun 2019 19:08

Instrument :

MSVOA_W

ClientSampleId :

SOIL-COMP-1

Tot Ion: 75 Resp: 60911

Ion Ratio Lower Upper

75 100

53 0.0 95.6 143.4#

89 0.1 34.4 51.6#

