

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072419\
 Data File : VW011456.D
 Acq On : 24 Jul 2019 02:38
 Operator : SY/VA
 Sample : K3936-01
 Misc : 4.96G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SOIL-COMP

Quant Time: Jul 24 06:42:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	51313	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	79831	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	67190	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	23031	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	30325	47.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.06%	
35) Dibromofluoromethane	7.88	113	24966	52.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.94%	
50) Toluene-d8	10.32	98	97897	50.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.80%	
62) 4-Bromofluorobenzene	12.62	95	29540	41.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.80%	

Target Compounds

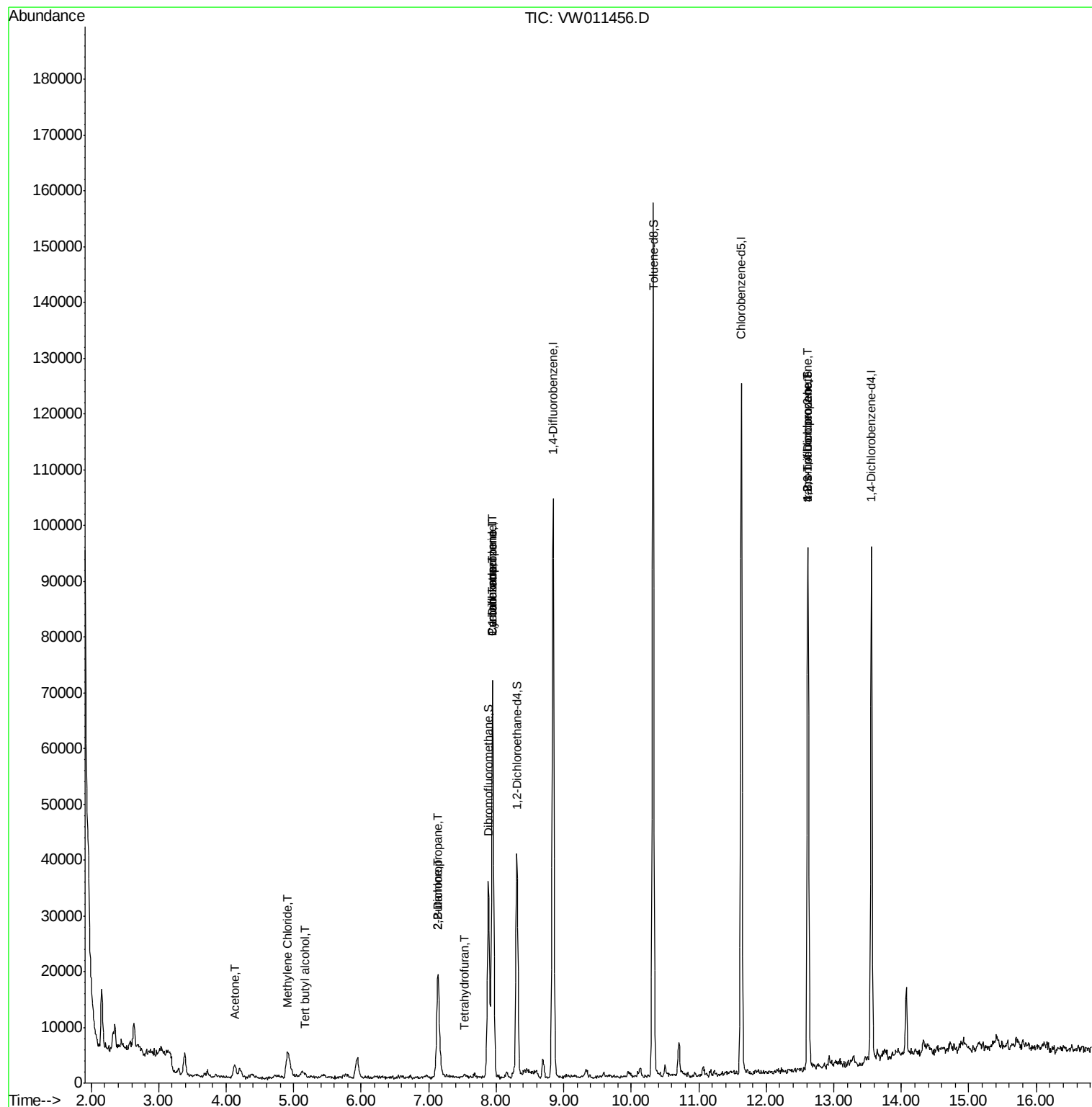
					Qvalue	
11) Tert butyl alcohol	5.17	59	328	6.871	ug/l #	68
16) Acetone	4.13	43	4674	30.128	ug/l	95
18) Methyl Acetate	4.67	43	240	Below Cal	#	57
20) Methylene Chloride	4.90	84	2858	4.670	ug/l	89
25) 2-Butanone	7.13	43	888	3.646	ug/l #	79
26) 2,2-Dichloropropane	7.13	77	1422	2.330	ug/l #	53
29) Tetrahydrofuran	7.52	42	230	1.440	ug/l #	63
31) Cyclohexane	7.95	56	1737	1.391	ug/l #	33
36) 1,1-Dichloropropene	7.95	75	4633	5.450	ug/l #	51
38) Carbon Tetrachloride	7.95	117	5238	7.268	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	15181	57.039	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	15181	129.011	ug/l #	6

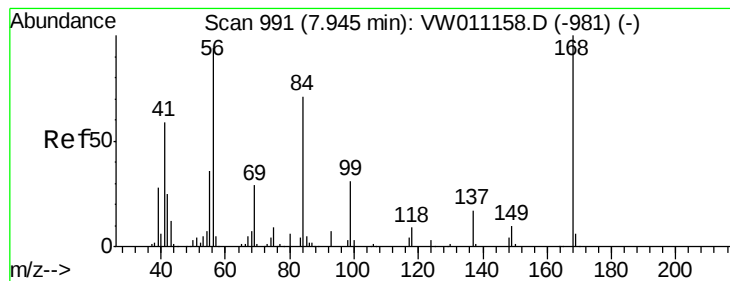
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
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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: VW011456.D

Acq: 24 Jul 2019 02:38

Instrument :

MSVOA_W

ClientSampled :

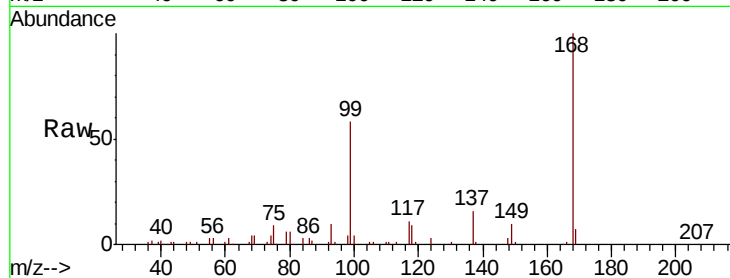
SOIL-COMP

Tot Ion:168 Resp: 51313

Ion Ratio Lower Upper

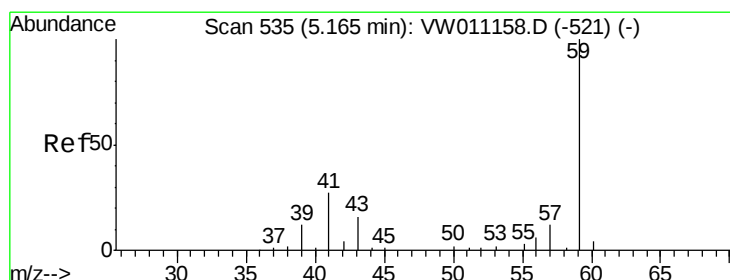
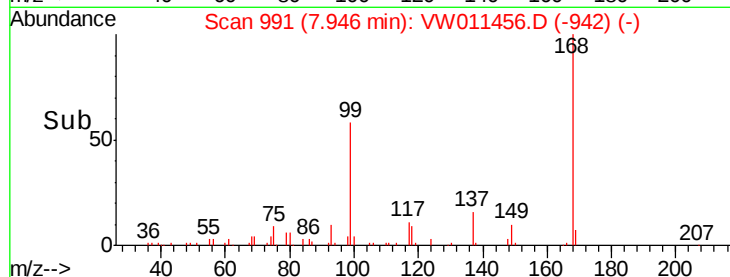
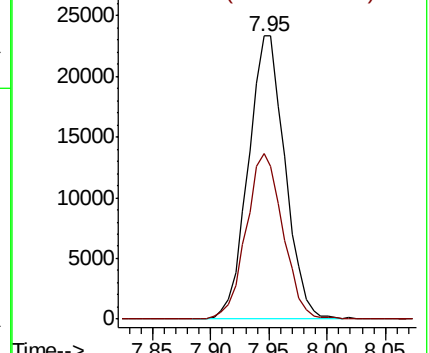
168 100

99 58.3 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 6.871 ug/l

RT: 5.17 min Scan# 536

Delta R.T. 0.01 min

Lab File: VW011456.D

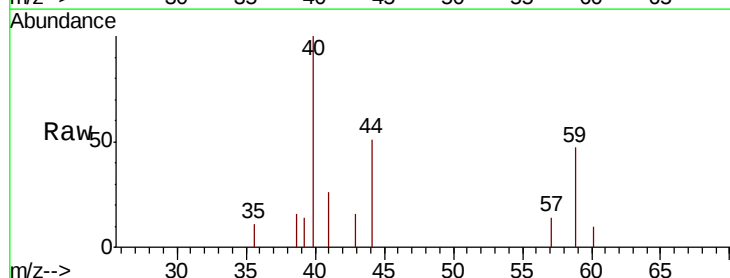
Acq: 24 Jul 2019 02:38

Tgt Ion: 59 Resp: 328

Ion Ratio Lower Upper

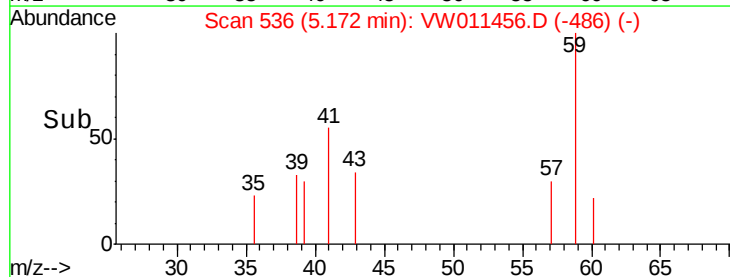
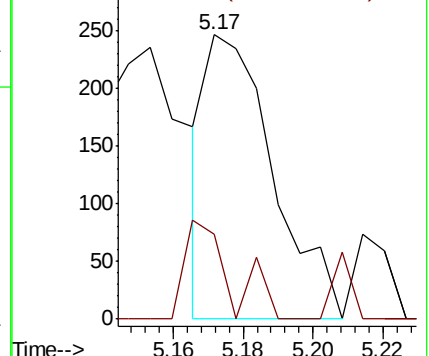
59 100

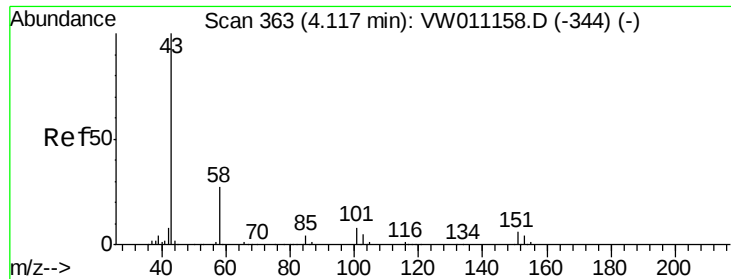
57 23.5 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 30.128 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW011456.D

Acq: 24 Jul 2019 02:38

Instrument :

MSVOA_W

ClientSampleId :

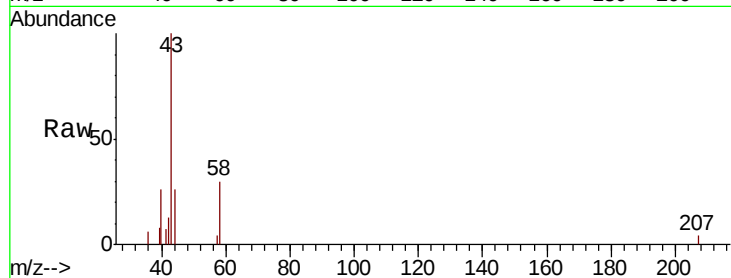
SOIL-COMP

Tot Ion: 43 Resp: 4674

Ion Ratio Lower Upper

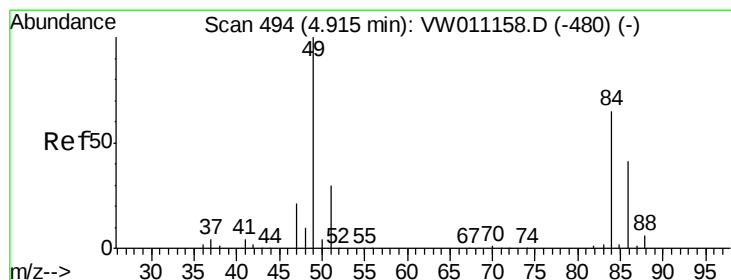
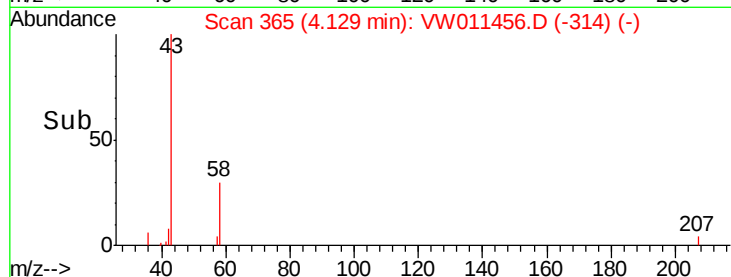
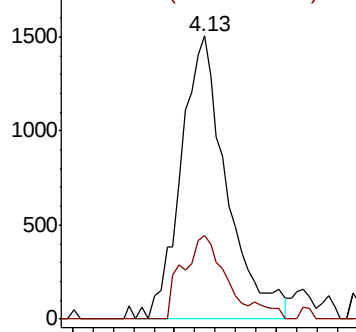
43 100

58 29.7 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 4.670 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW011456.D

Acq: 24 Jul 2019 02:38

Tgt Ion: 84 Resp: 2858

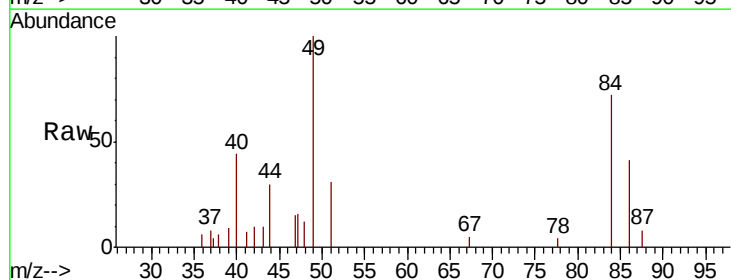
Ion Ratio Lower Upper

84 100

49 138.4 123.8 185.6

51 42.3 37.4 56.2

86 56.5 51.1 76.7

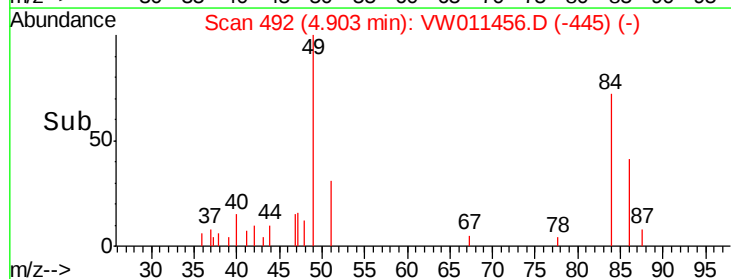
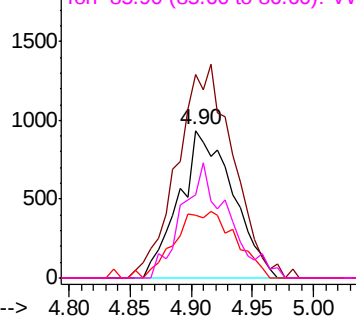


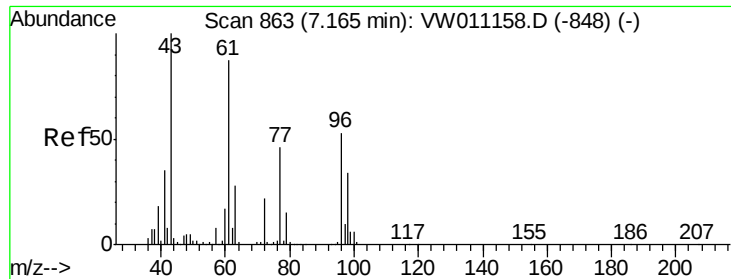
Abundance Ion 83.90 (83.60 to 84.60): VW

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

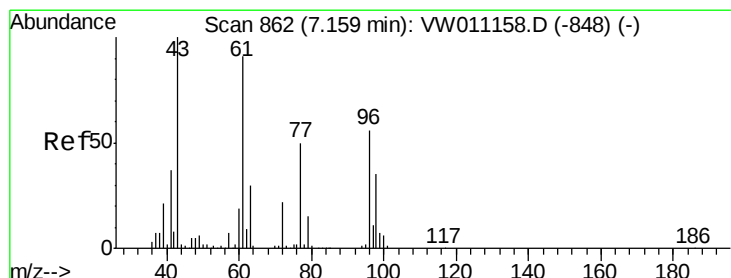
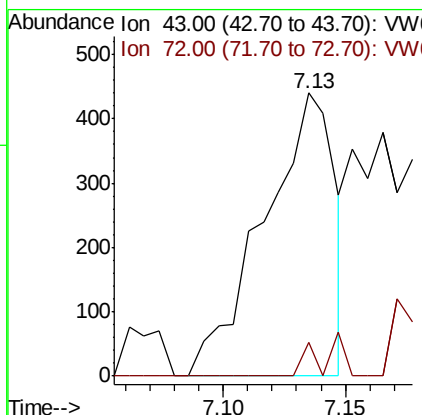
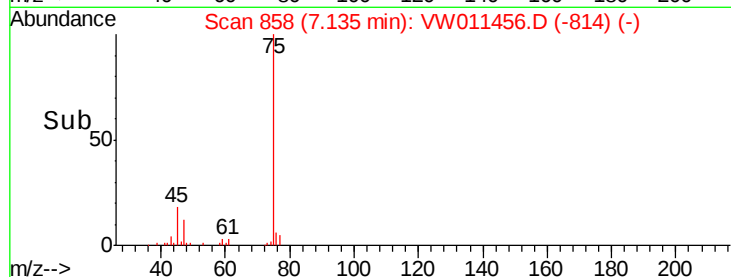
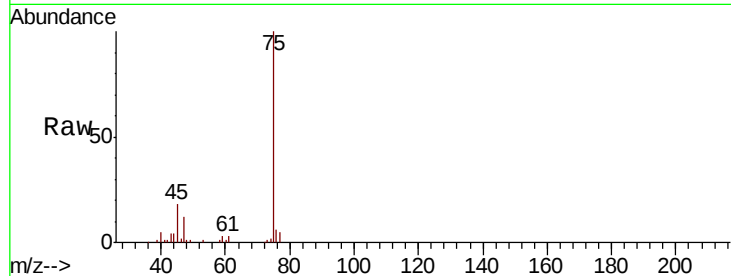




#25
2-Butanone
Concen: 3.646 ug/l
RT: 7.13 min Scan# 858
Delta R.T. -0.03 min
Lab File: VW011456.D
Acq: 24 Jul 2019 02:38

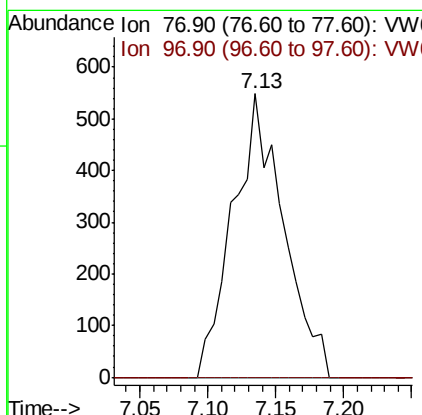
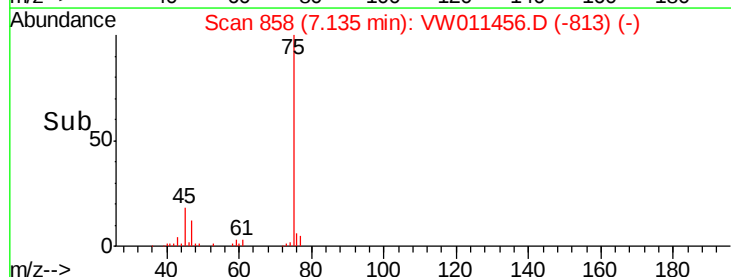
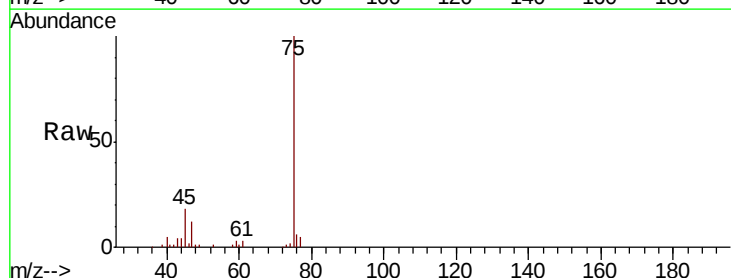
Instrument :
MSVOA_W
ClientSampleId :
SOIL-COMP

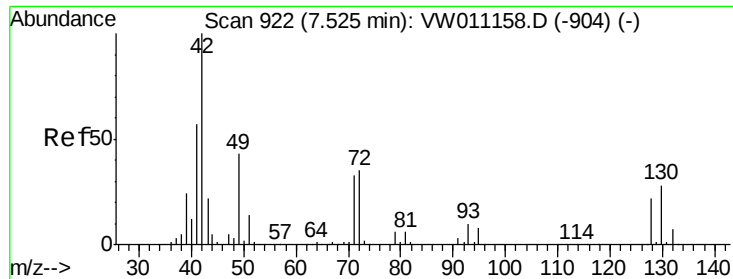
Tot Ion: 43 Resp: 888
Ion Ratio Lower Upper
43 100
72 11.8 17.6 26.4#



#26
2,2-Dichloropropane
Concen: 2.330 ug/l
RT: 7.13 min Scan# 858
Delta R.T. -0.02 min
Lab File: VW011456.D
Acq: 24 Jul 2019 02:38

Tgt Ion: 77 Resp: 1422
Ion Ratio Lower Upper
77 100
97 0.0 11.2 33.5#





#29

Tetrahydrofuran

Concen: 1.440 ug/l

RT: 7.52 min Scan# 922

Delta R.T. 0.00 min

Lab File: VW011456.D

Acq: 24 Jul 2019 02:38

Instrument :

MSVOA_W

ClientSampled :

SOIL-COMP

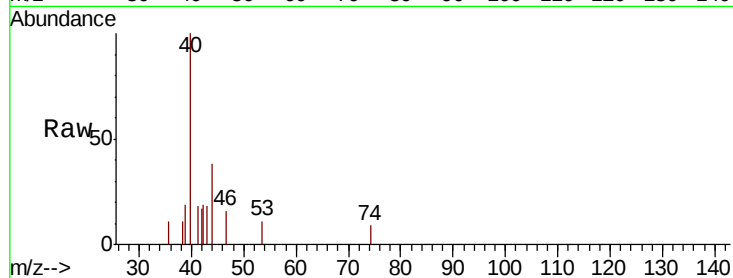
Tot Ion: 42 Resp: 230

Ion Ratio Lower Upper

42 100

72 0.0 27.4 41.2#

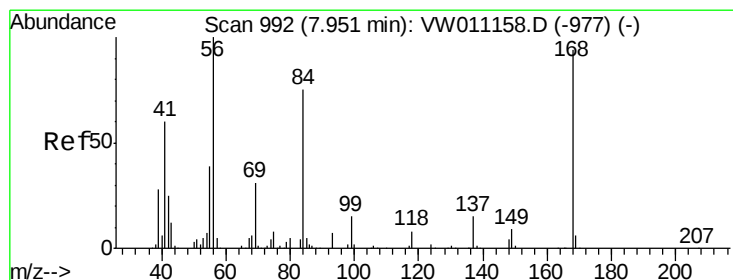
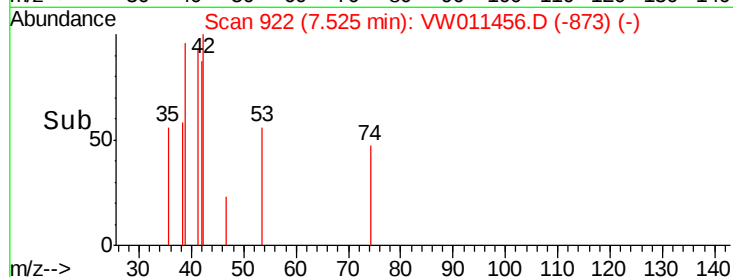
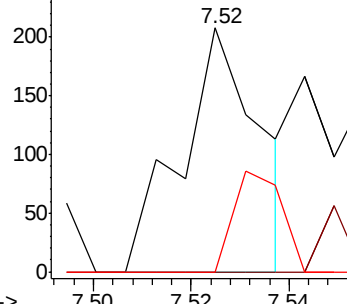
71 25.7 25.9 38.9#



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



#31

Cyclohexane

Concen: 1.391 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW011456.D

Acq: 24 Jul 2019 02:38

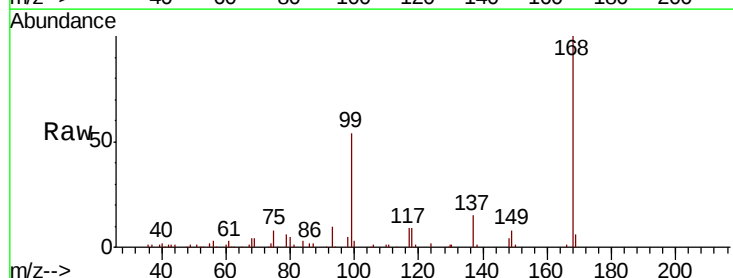
Tgt Ion: 56 Resp: 1737

Ion Ratio Lower Upper

56 100

69 109.0 24.6 36.8#

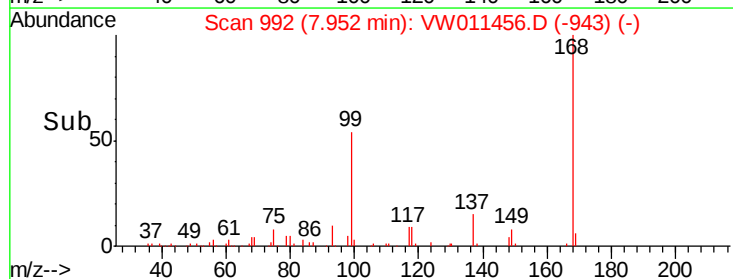
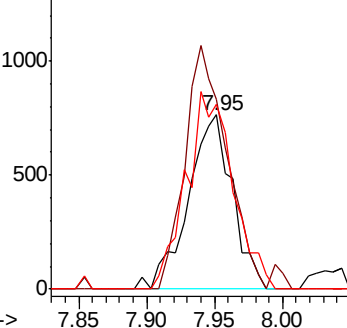
84 106.2 60.1 90.1#

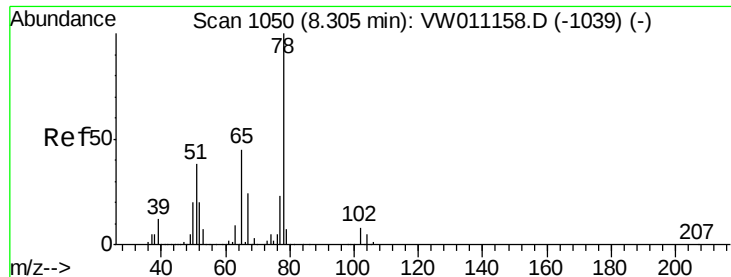


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

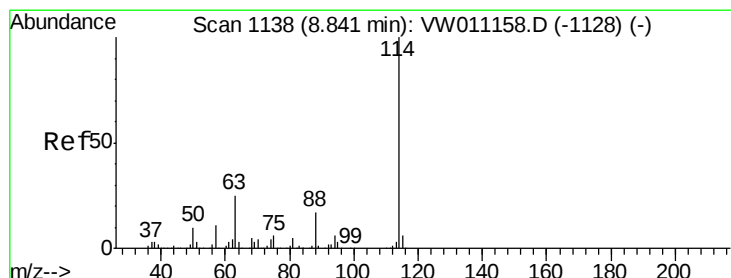
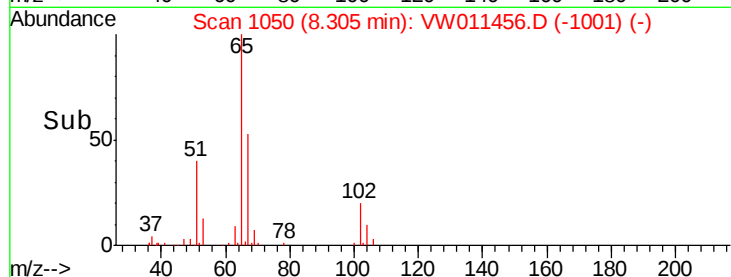
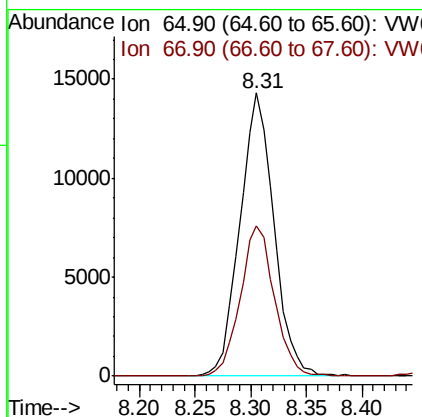
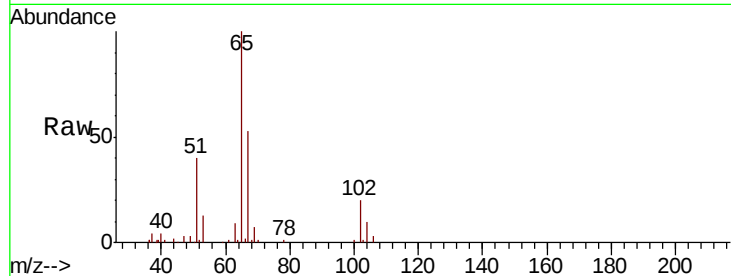




#33
 1,2-Dichloroethane-d4
 Concen: 47.033 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011456.D
 Acq: 24 Jul 2019 02:38

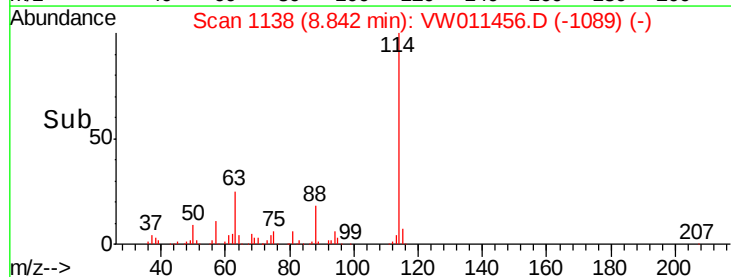
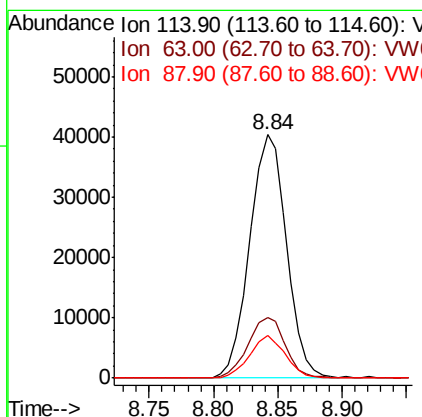
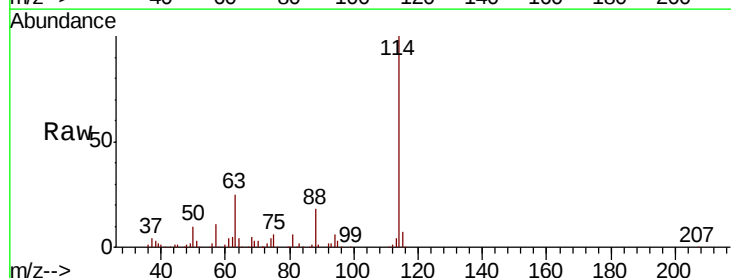
Instrument :
 MSVOA_W
 ClientSampleId :
 SOIL-COMP

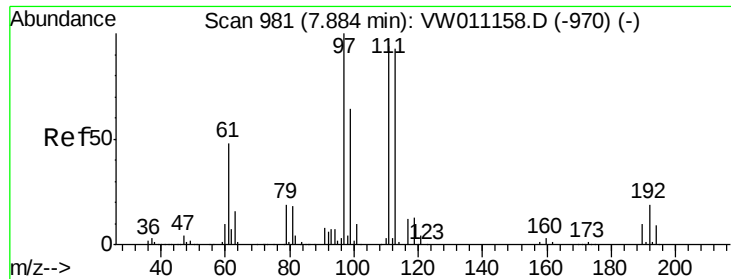
Tot Ion: 65 Resp: 30325
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011456.D
 Acq: 24 Jul 2019 02:38

Tgt Ion: 114 Resp: 79831
 Ion Ratio Lower Upper
 114 100
 63 24.9 0.0 50.8
 88 17.6 0.0 34.2

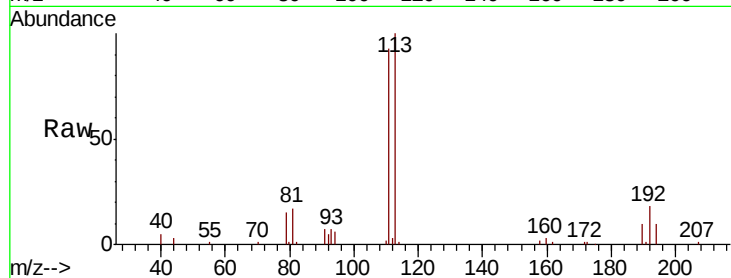




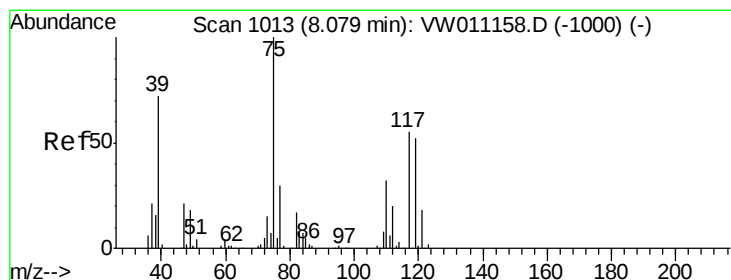
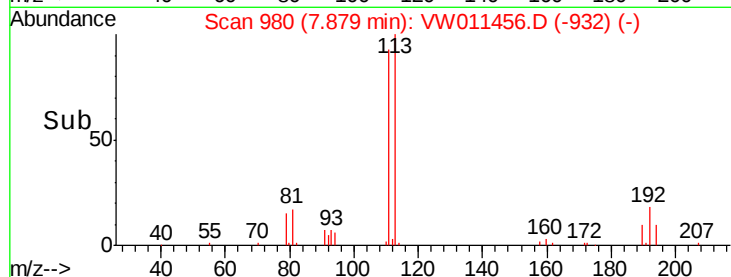
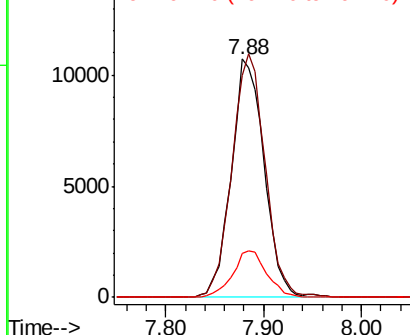
#35
 Dibromofluoromethane
 Concen: 52.468 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW011456.D
 Acq: 24 Jul 2019 02:38

Instrument :
 MSVOA_W
 ClientSampleId :
 SOIL-COMP

Tot Ion:113 Resp: 24966
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.4 123.6
 192 20.1 15.8 23.8

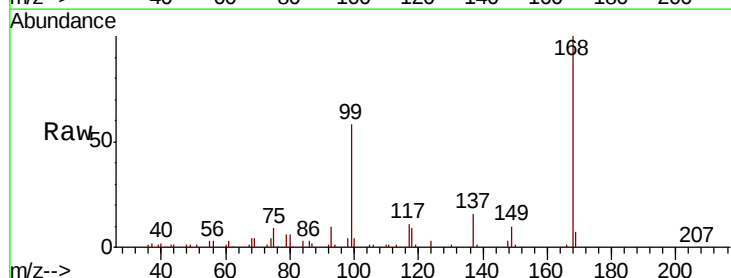


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

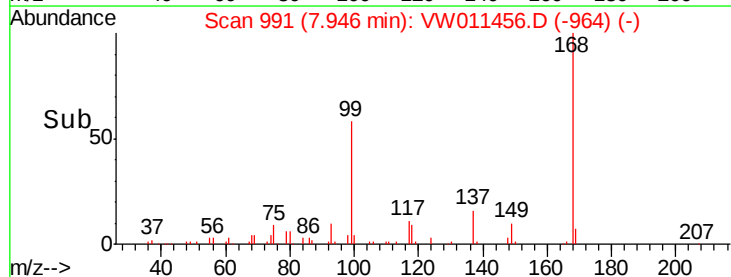
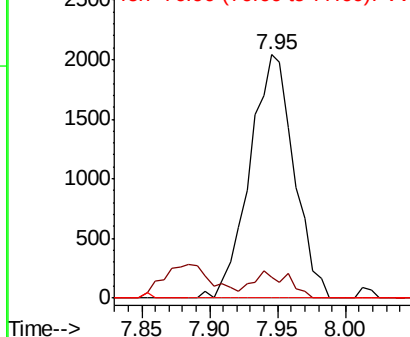


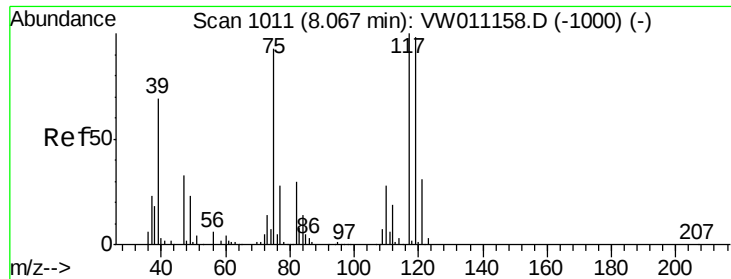
#36
 1,1-Dichloropropene
 Concen: 5.450 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011456.D
 Acq: 24 Jul 2019 02:38

Tgt Ion: 75 Resp: 4633
 Ion Ratio Lower Upper
 75 100
 110 8.8 15.9 47.6#
 77 0.0 24.6 36.8#



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: 7.268 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW011456.D

Acq: 24 Jul 2019 02:38

Instrument :

MSVOA_W

ClientSampled :

SOIL-COMP

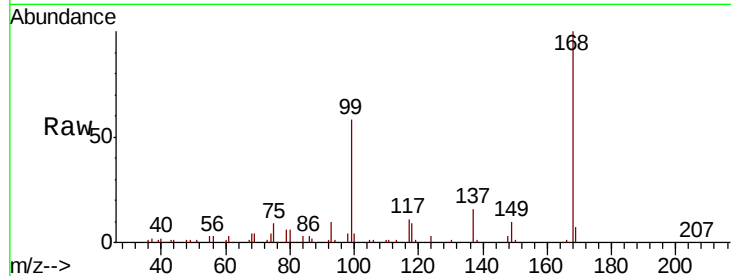
Tot Ion:117 Resp: 5238

Ion Ratio Lower Upper

117 100

119 6.3 78.1 117.1#

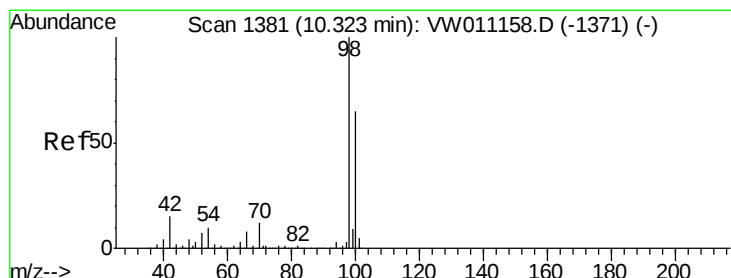
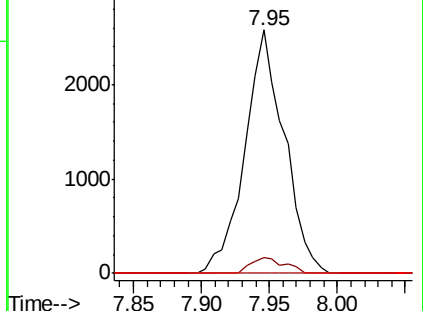
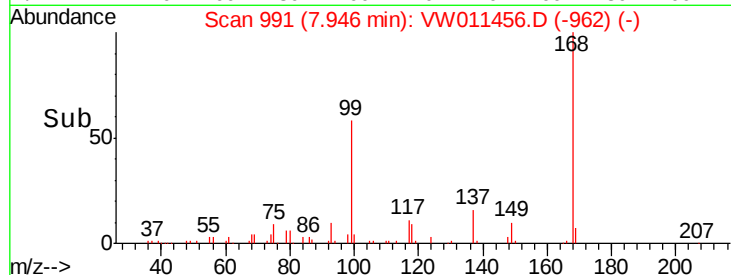
121 0.0 25.1 37.7#



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: 50.899 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011456.D

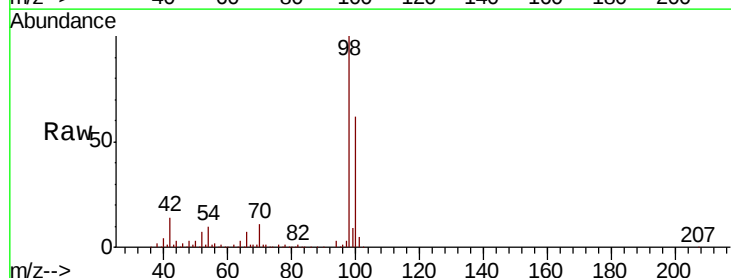
Acq: 24 Jul 2019 02:38

Tgt Ion: 98 Resp: 97897

Ion Ratio Lower Upper

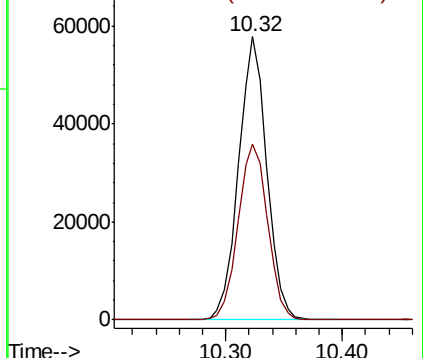
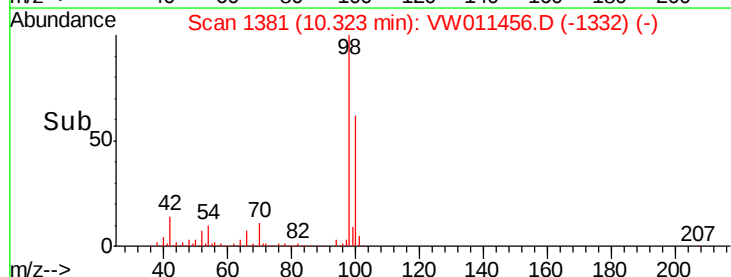
98 100

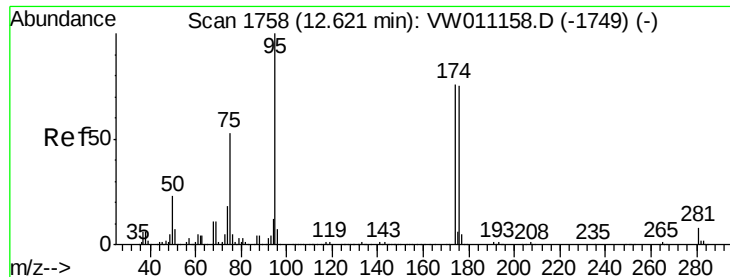
100 65.2 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

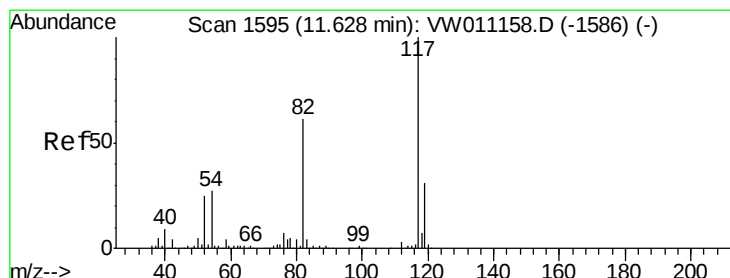
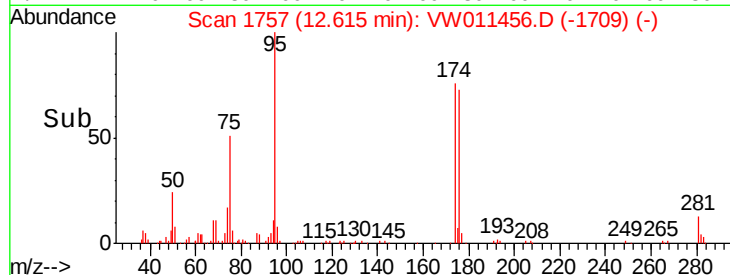
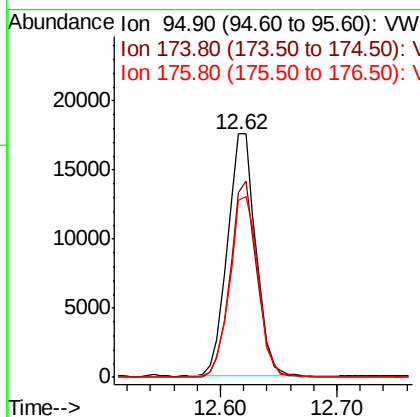
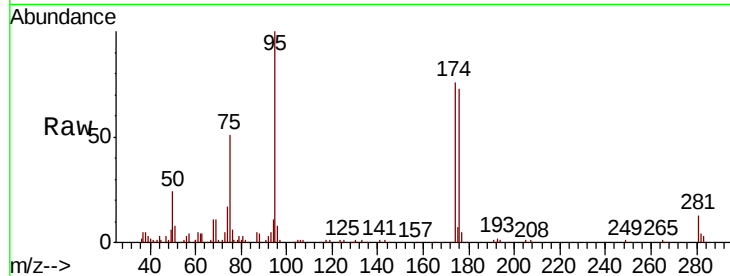




#62
4-Bromofluorobenzene
Concen: 41.902 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.01 min
Lab File: VW011456.D
Acq: 24 Jul 2019 02:38

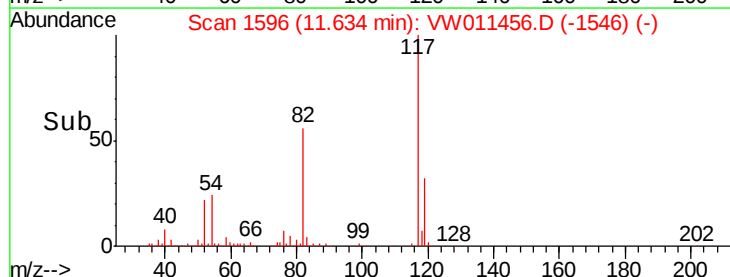
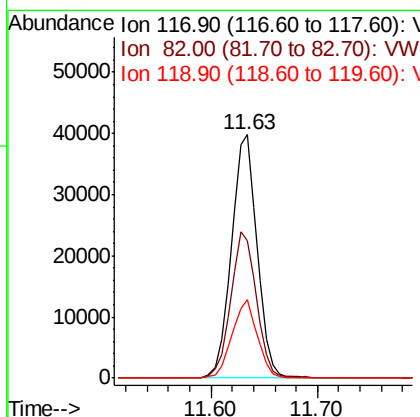
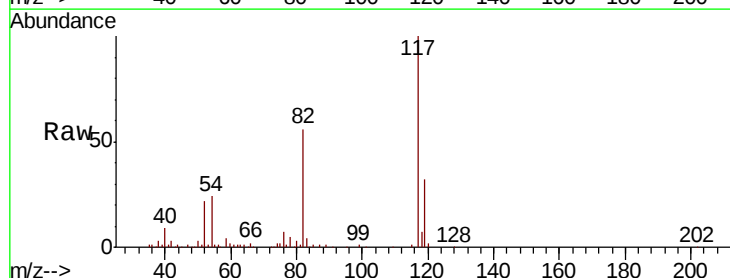
Instrument :
MSVOA_W
ClientSampleId :
SOIL-COMP

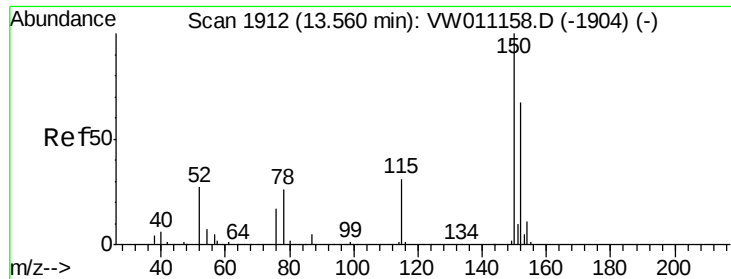
Tot Ion: 95 Resp: 29540
Ion Ratio Lower Upper
95 100
174 77.0 0.0 147.6
176 75.0 0.0 144.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW011456.D
Acq: 24 Jul 2019 02:38

Tgt Ion: 117 Resp: 67190
Ion Ratio Lower Upper
117 100
82 56.3 48.9 73.3
119 32.0 25.0 37.6



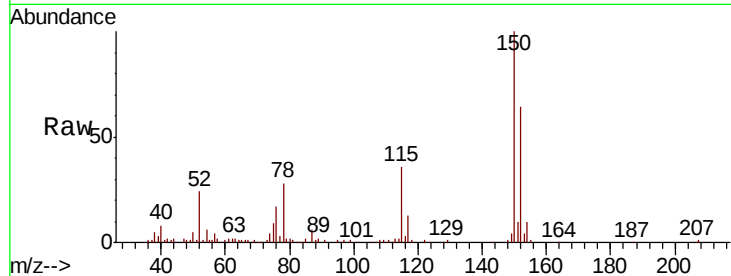


#72

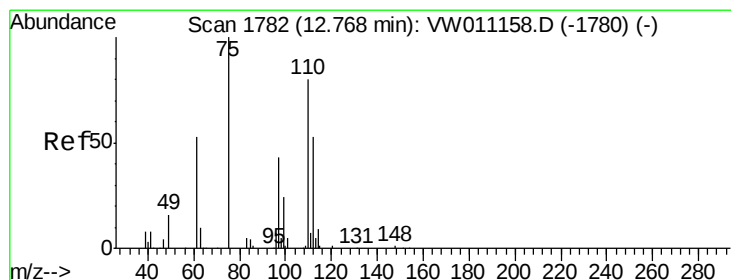
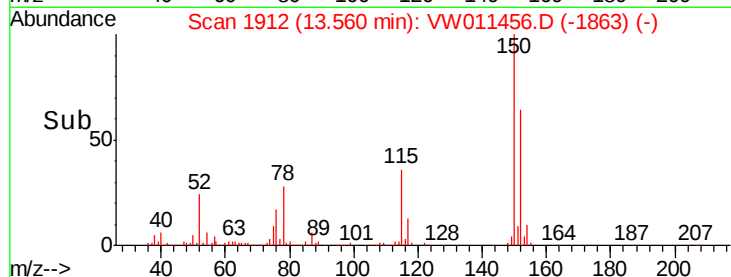
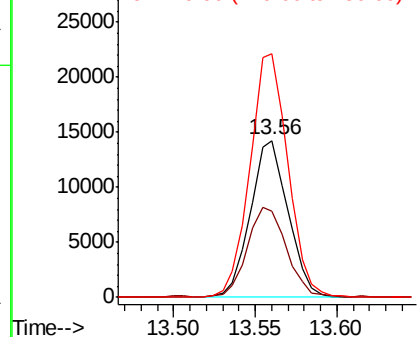
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011456.D
Acq: 24 Jul 2019 02:38

Instrument :
MSVOA_W
ClientSampleId :
SOIL-COMP

Tot Ion:152 Resp: 23031
Ion Ratio Lower Upper
152 100
115 59.8 30.1 90.3
150 156.0 0.0 346.0



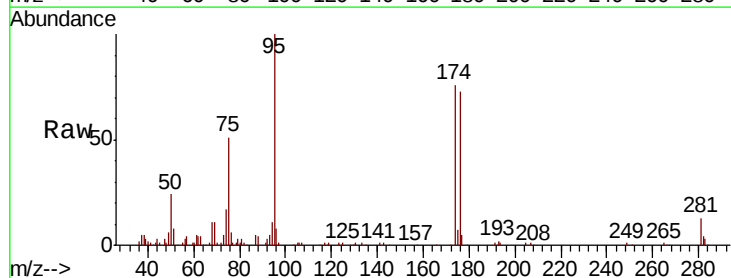
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



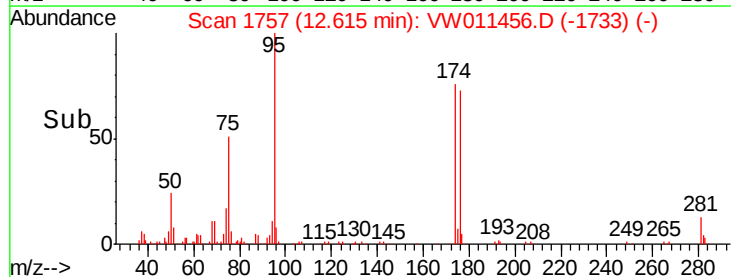
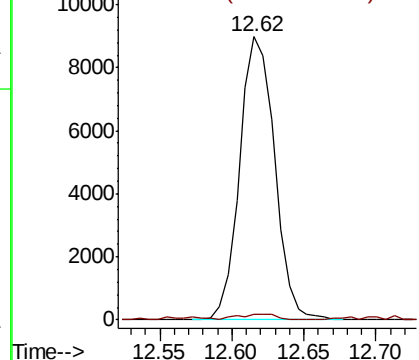
#76

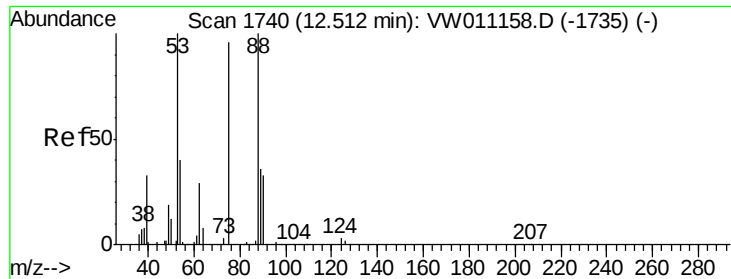
1,2,3-Trichloropropane
Concen: 57.039 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW011456.D
Acq: 24 Jul 2019 02:38

Tgt Ion: 75 Resp: 15181
Ion Ratio Lower Upper
75 100
77 2.2 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: 129.011 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011456.D

Acq: 24 Jul 2019 02:38

Instrument :

MSVOA_W

ClientSampleId :

SOIL-COMP

Tot Ion: 75 Resp: 15181

Ion Ratio Lower Upper

75 100

53 0.3 89.8 134.6#

89 0.0 34.3 51.5#

