

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072419\
 Data File : VW011450.D
 Acq On : 24 Jul 2019 00:00
 Operator : SY/VA
 Sample : K3900-01
 Misc : 5.27G/5ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SOIL-COMP

Quant Time: Jul 24 06:40:58 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	242693	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	409376	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	341820	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	141793	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	162563	53.31	ug/l	0.00
Spiked Amount			Recovery	=	106.62%	
35) Dibromofluoromethane	7.88	113	126356	51.78	ug/l	0.00
Spiked Amount			Recovery	=	103.56%	
50) Toluene-d8	10.32	98	500959	50.79	ug/l	0.00
Spiked Amount			Recovery	=	101.58%	
62) 4-Bromofluorobenzene	12.62	95	162770	45.02	ug/l	0.00
Spiked Amount			Recovery	=	90.04%	

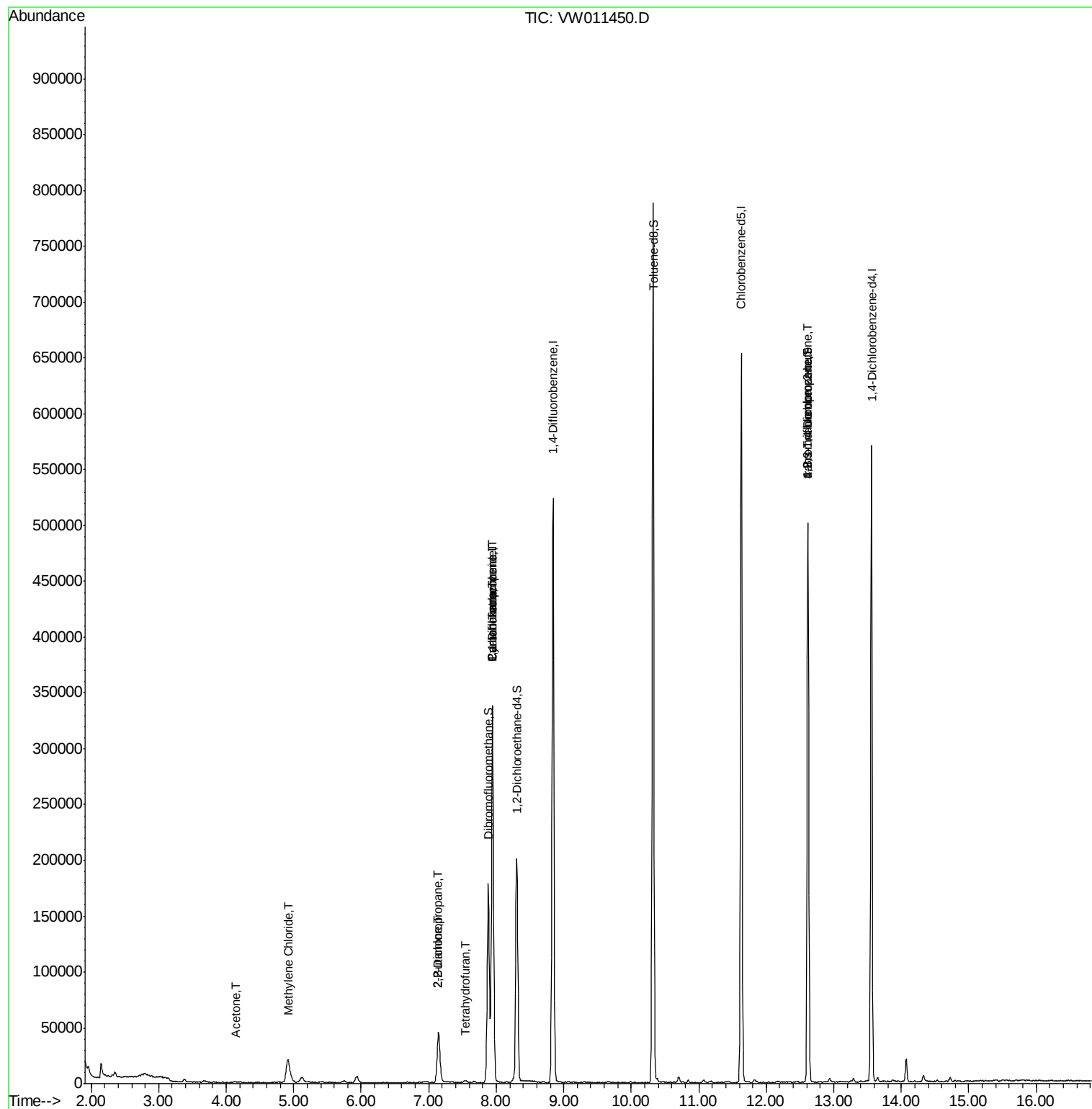
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.15	43	1016	1.385	ug/l	95
18) Methyl Acetate	4.68	43	338	Below Cal	#	57
20) Methylene Chloride	4.92	84	15944	5.508	ug/l	94
25) 2-Butanone	7.14	43	3073	2.668	ug/l #	85
26) 2,2-Dichloropropane	7.15	77	3123	1.082	ug/l #	53
29) Tetrahydrofuran	7.54	42	1387	1.836	ug/l #	91
31) Cyclohexane	7.95	56	6087	1.030	ug/l #	17
36) 1,1-Dichloropropene	7.95	75	21048	4.828	ug/l #	51
38) Carbon Tetrachloride	7.95	117	24641	6.668	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	87179	53.203	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	87179	120.336	ug/l #	6

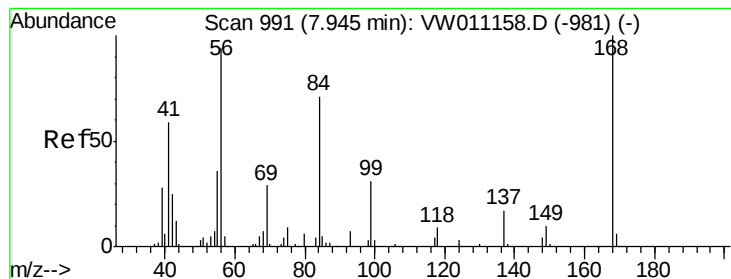
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW072419\
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Instrument :
MSVOA_W
ClientSampleId :
SOIL-COMP

Quant Time: Jul 24 06:40:58 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
Quant Title : SW846 8260
QLast Update : Thu Jul 11 08:14:17 2019
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: VW011450.D

Acq: 24 Jul 2019 00:00

Instrument :

MSVOA_W

ClientSampleId :

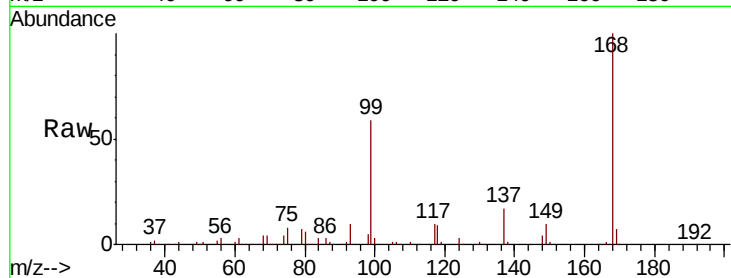
SOIL-COMP

Tot Ion:168 Resp: 242693

Ion Ratio Lower Upper

168 100

99 59.4 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

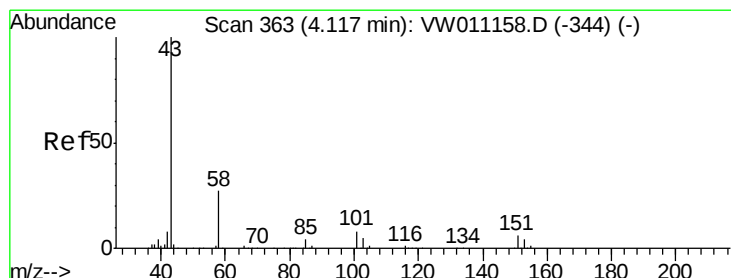
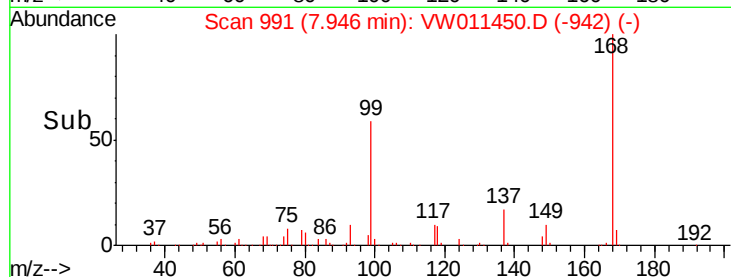
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#16

Acetone

Concen: 1.385 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.03 min

Lab File: VW011450.D

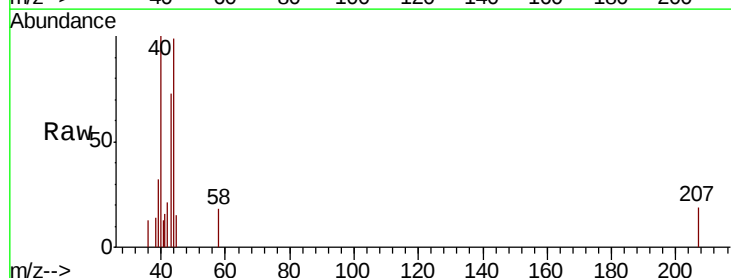
Acq: 24 Jul 2019 00:00

Tgt Ion: 43 Resp: 1016

Ion Ratio Lower Upper

43 100

58 24.7 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.15

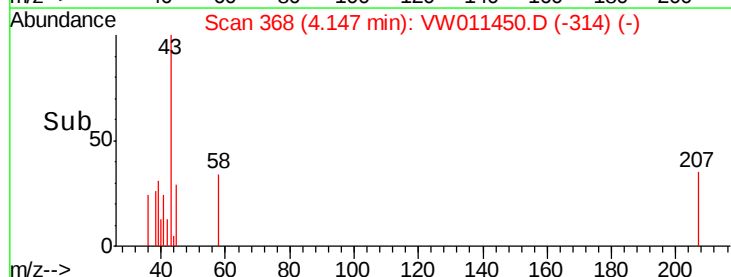
300

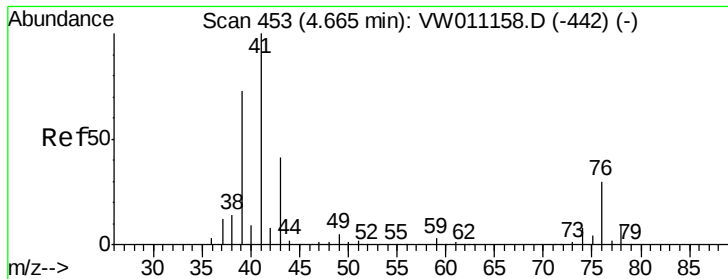
200

100

0

Time--> 4.05 4.10 4.15 4.20

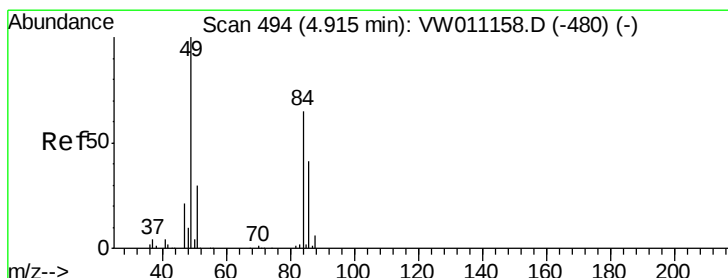
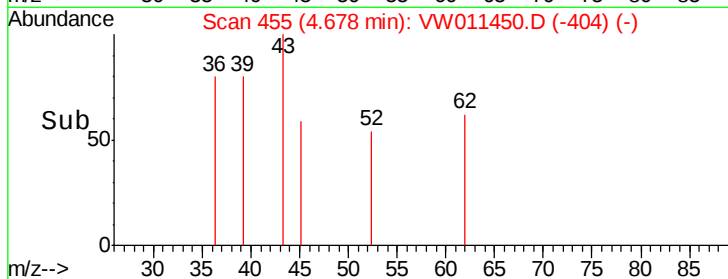
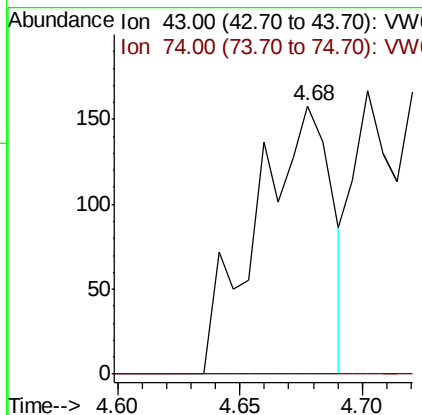
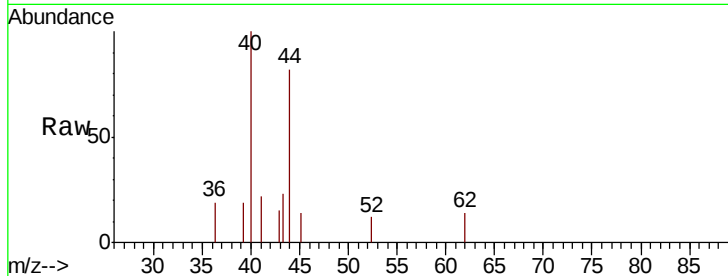




#18
Methyl Acetate
Concen: Below Cal
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW011450.D
Acq: 24 Jul 2019 00:00

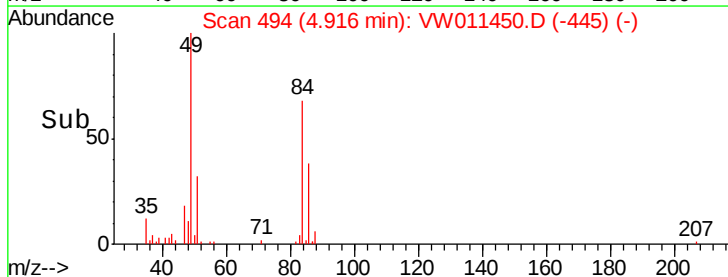
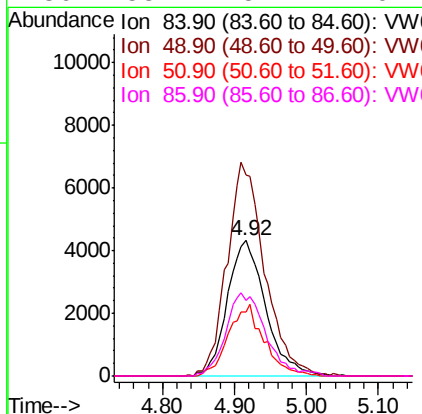
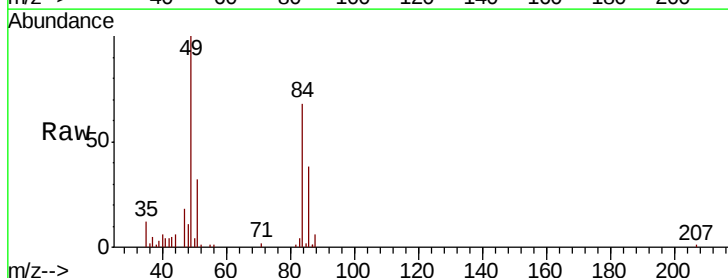
Instrument :
MSVOA_W
ClientSampled :
SOIL-COMP

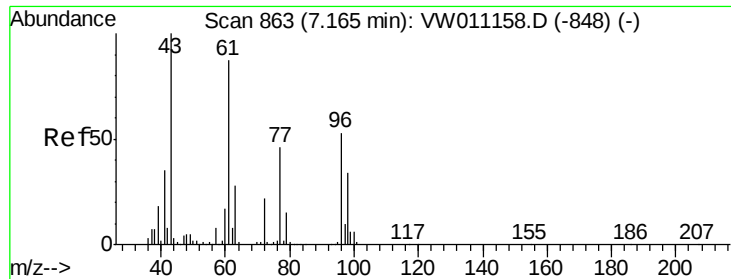
Tot Ion: 43 Resp: 338
Ion Ratio Lower Upper
43 100
74 0.0 15.7 23.5#



#20
Methylene Chloride
Concen: 5.508 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW011450.D
Acq: 24 Jul 2019 00:00

Tgt Ion: 84 Resp: 15944
Ion Ratio Lower Upper
84 100
49 146.8 123.8 185.6
51 47.4 37.4 56.2
86 55.7 51.1 76.7





#25

2-Butanone

Concen: 2.668 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW011450.D

Acq: 24 Jul 2019 00:00

Instrument :

MSVOA_W

ClientSampled :

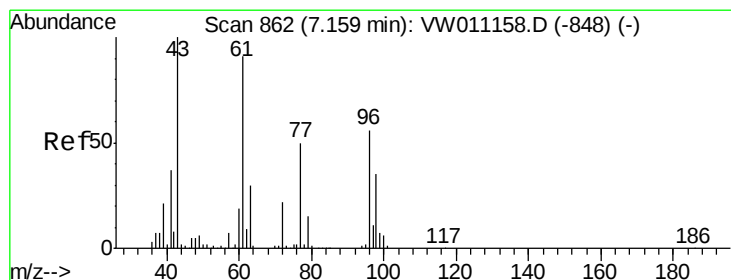
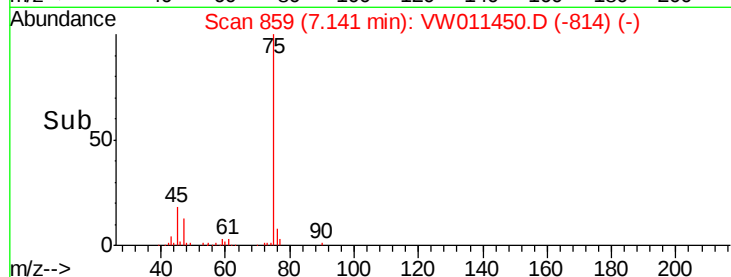
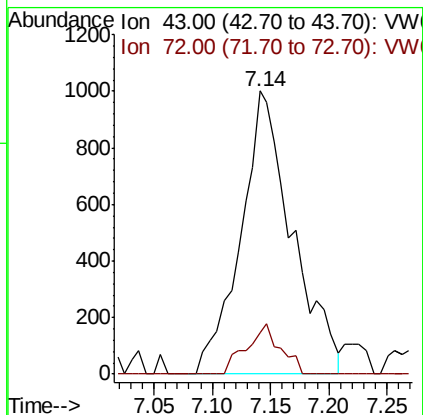
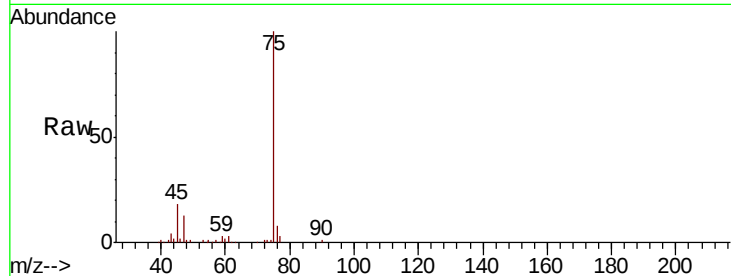
SOIL-COMP

Tot Ion: 43 Resp: 3073

Ion Ratio Lower Upper

43 100

72 14.7 17.6 26.4#



#26

2,2-Dichloropropane

Concen: 1.082 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.01 min

Lab File: VW011450.D

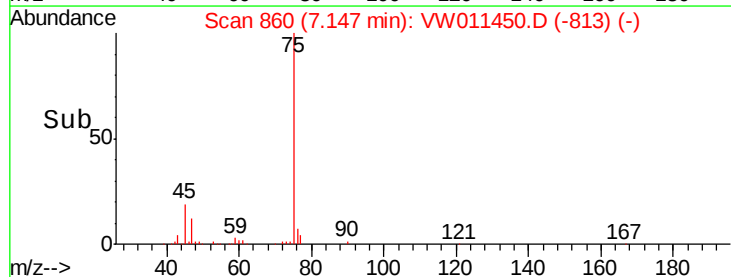
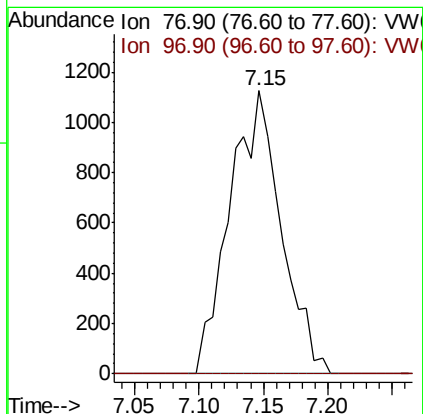
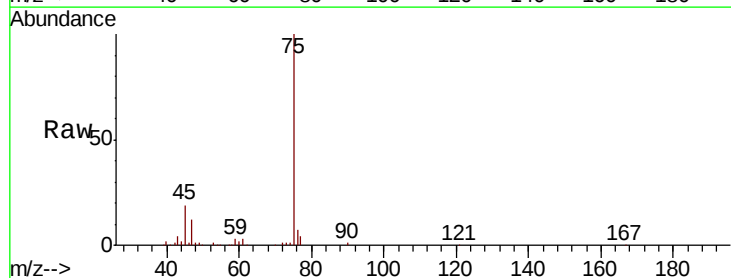
Acq: 24 Jul 2019 00:00

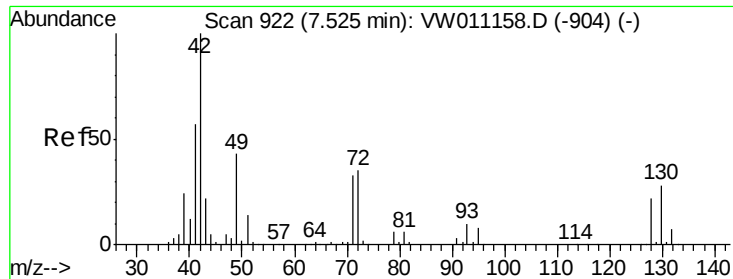
Tgt Ion: 77 Resp: 3123

Ion Ratio Lower Upper

77 100

97 0.0 11.2 33.5#

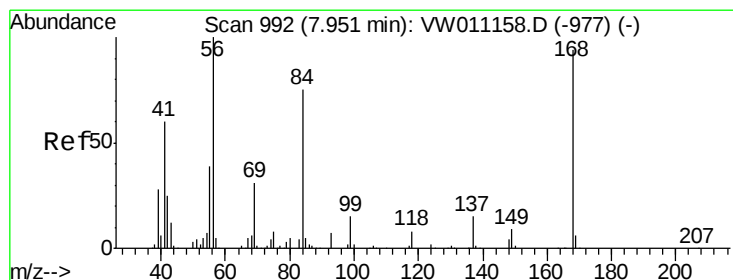
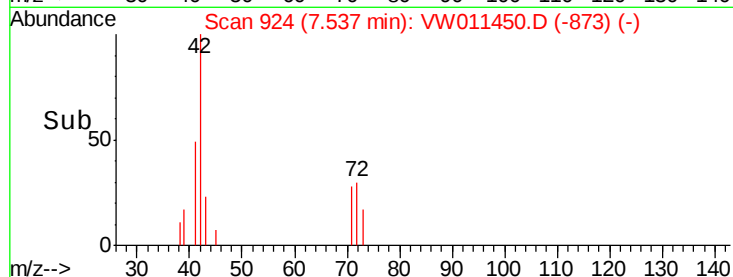
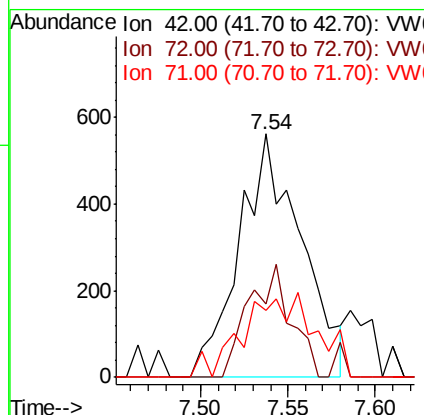
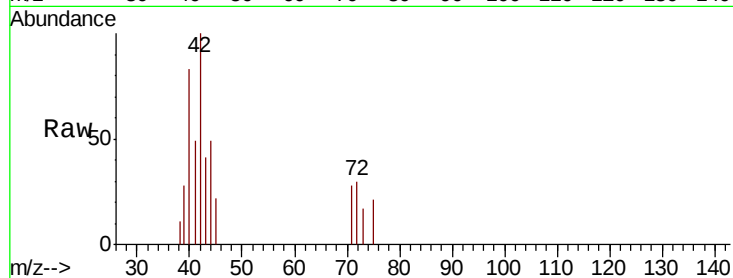




#29
Tetrahydrofuran
Concen: 1.836 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW011450.D
Acq: 24 Jul 2019 00:00

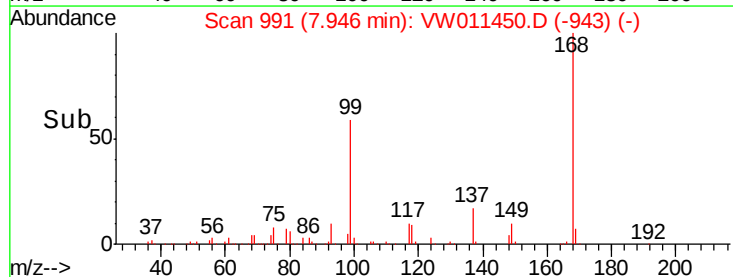
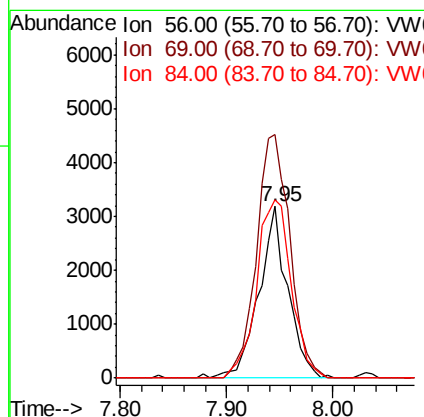
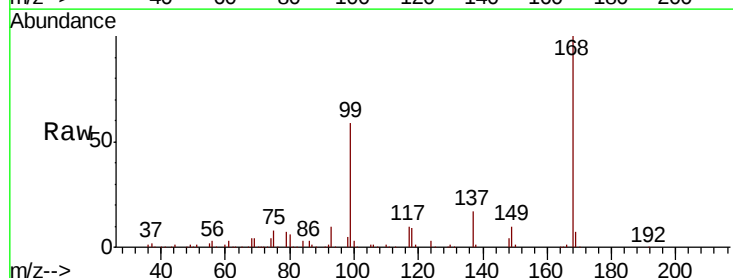
Instrument :
MSVOA_W
ClientSampled :
SOIL-COMP

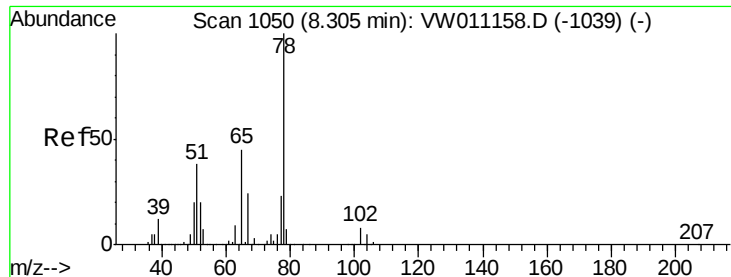
Tot Ion: 42 Resp: 1387
Ion Ratio Lower Upper
42 100
72 31.7 27.4 41.2
71 39.7 25.9 38.9#



#31
Cyclohexane
Concen: 1.030 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW011450.D
Acq: 24 Jul 2019 00:00

Tgt Ion: 56 Resp: 6087
Ion Ratio Lower Upper
56 100
69 142.0 24.6 36.8#
84 104.1 60.1 90.1#





#33

1,2-Dichloroethane-d4

Concen: 53.308 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW011450.D

Acq: 24 Jul 2019 00:00

Instrument :

MSVOA_W

ClientSampleId :

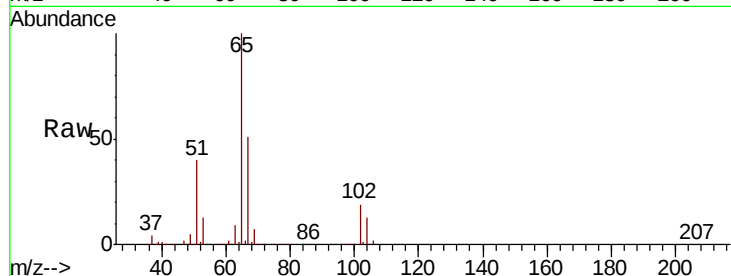
SOIL-COMP

Tot Ion: 65 Resp: 162563

Ion Ratio Lower Upper

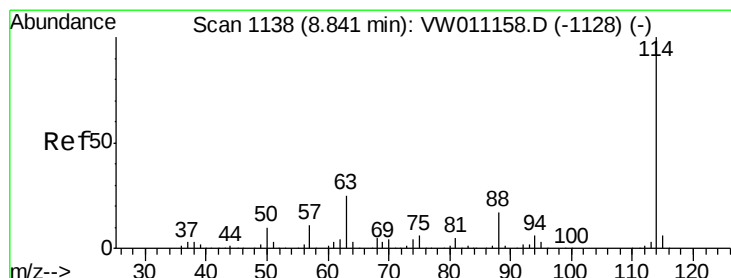
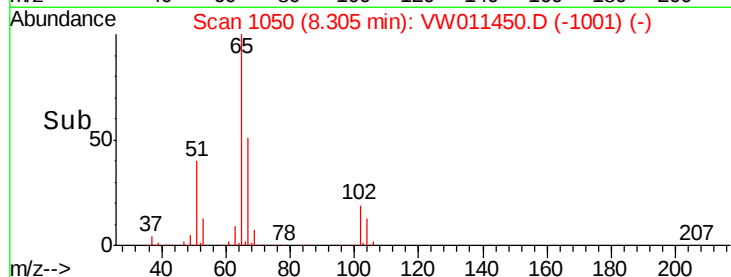
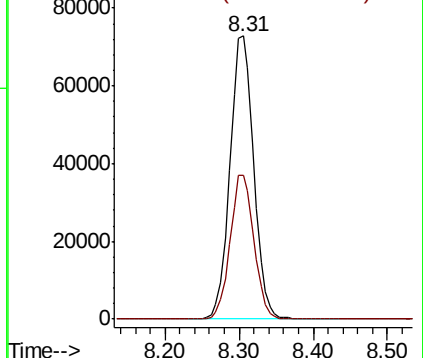
65 100

67 51.2 0.0 104.4



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: VW011450.D

Acq: 24 Jul 2019 00:00

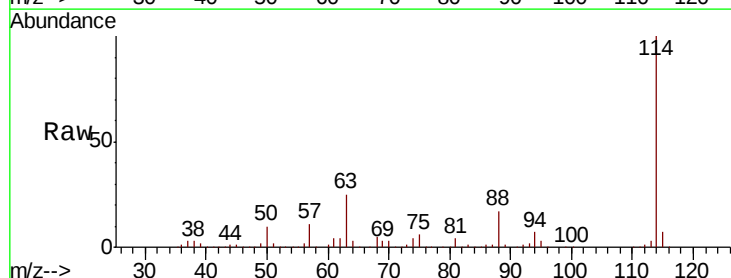
Tgt Ion: 114 Resp: 409376

Ion Ratio Lower Upper

114 100

63 24.6 0.0 50.8

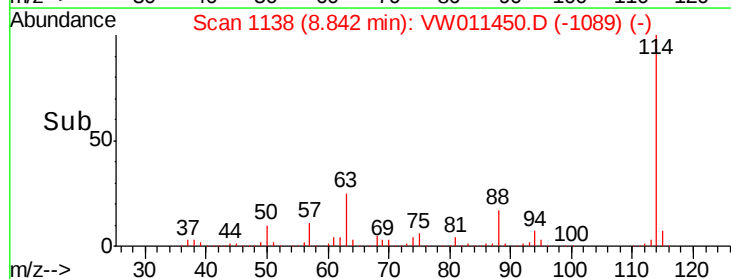
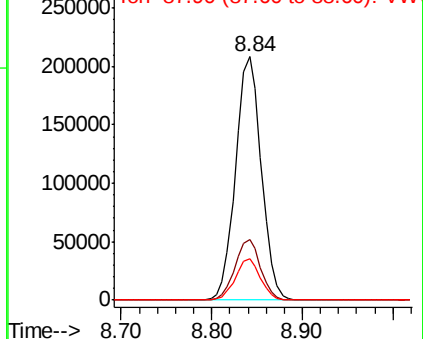
88 17.2 0.0 34.2

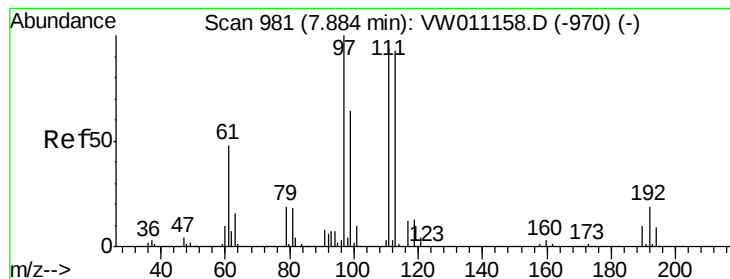


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 51.784 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW011450.D

Acq: 24 Jul 2019 00:00

Instrument :

MSVOA_W

ClientSampleId :

SOIL-COMP

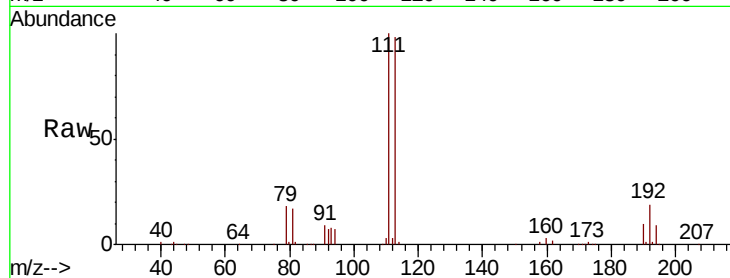
Tot Ion:113 Resp: 126356

Ion Ratio Lower Upper

113 100

111 102.7 82.4 123.6

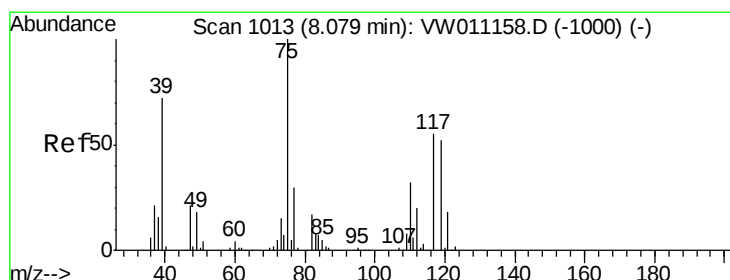
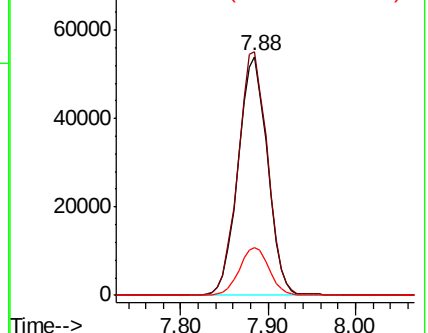
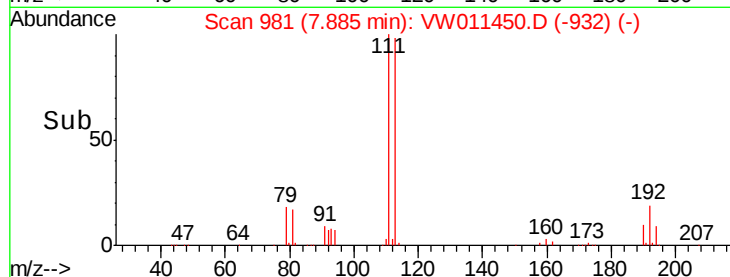
192 20.3 15.8 23.8



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: 4.828 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW011450.D

Acq: 24 Jul 2019 00:00

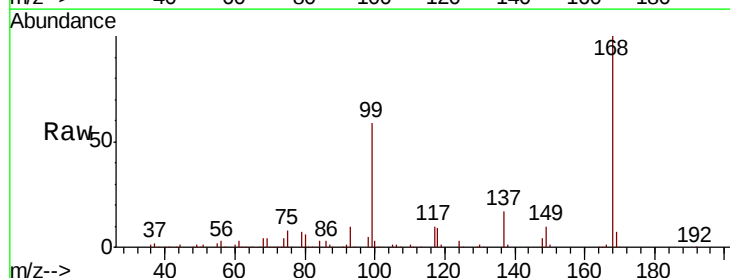
Tgt Ion: 75 Resp: 21048

Ion Ratio Lower Upper

75 100

110 8.6 15.9 47.6#

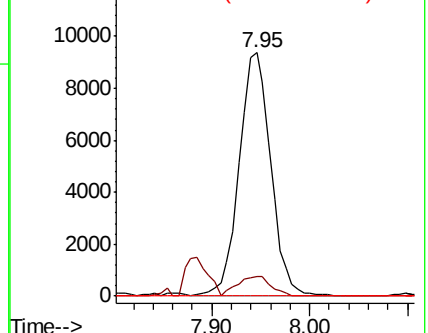
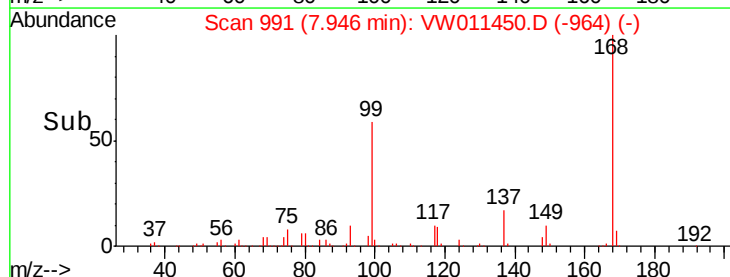
77 0.0 24.6 36.8#

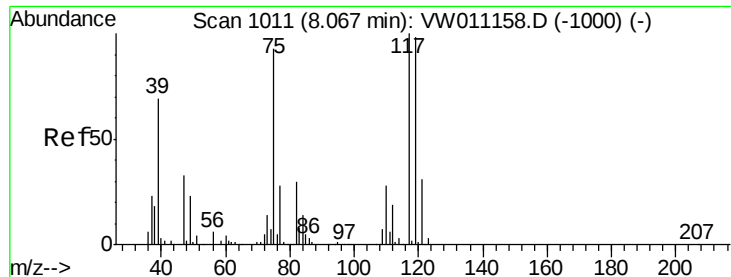


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.668 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW011450.D

Acq: 24 Jul 2019 00:00

Instrument :

MSVOA_W

ClientSampled :

SOIL-COMP

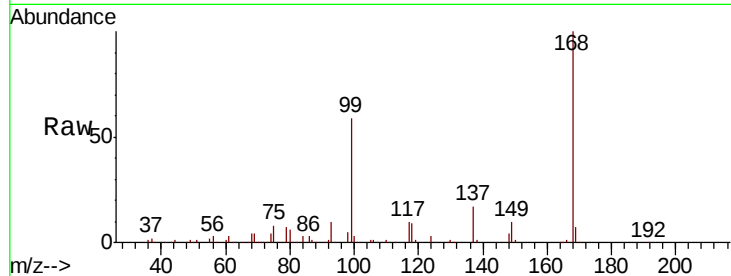
Tot Ion:117 Resp: 24641

Ion Ratio Lower Upper

117 100

119 5.1 78.1 117.1#

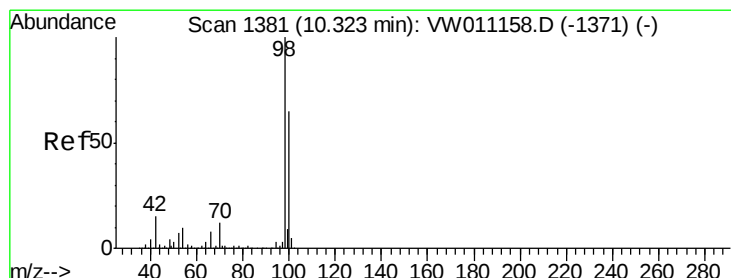
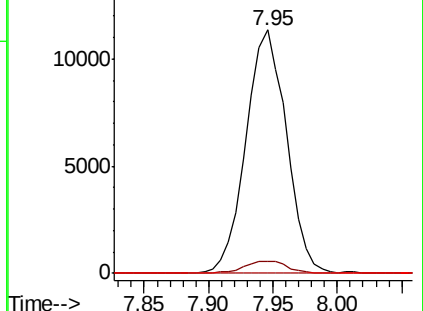
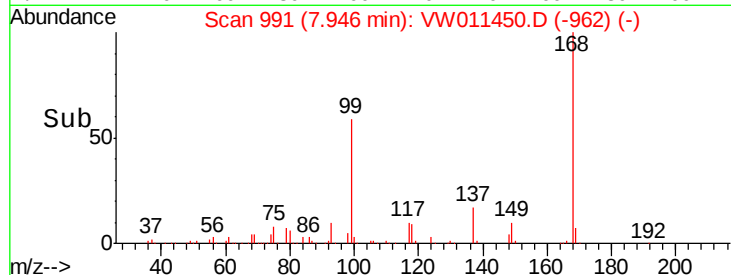
121 0.0 25.1 37.7#



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: 50.791 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011450.D

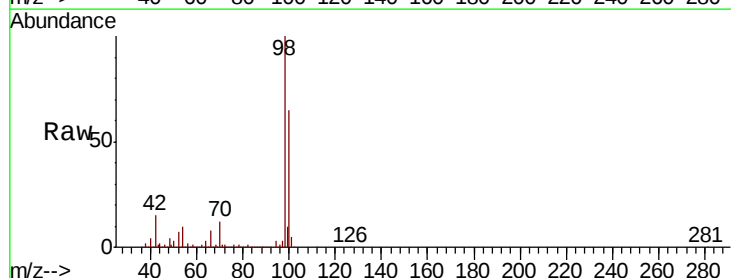
Acq: 24 Jul 2019 00:00

Tgt Ion: 98 Resp: 500959

Ion Ratio Lower Upper

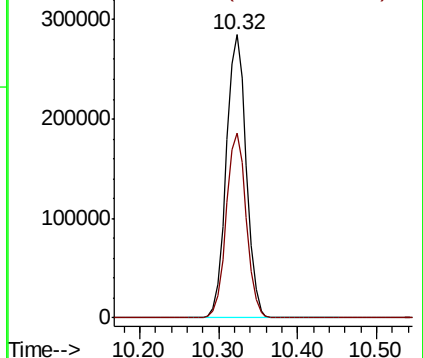
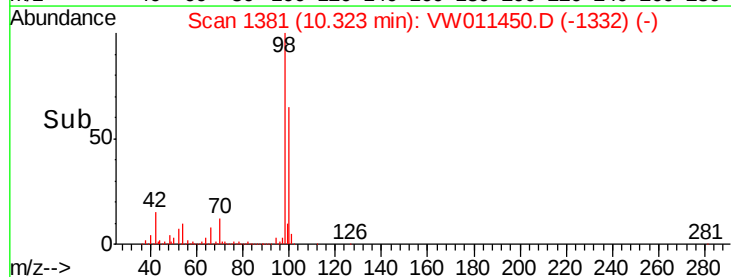
98 100

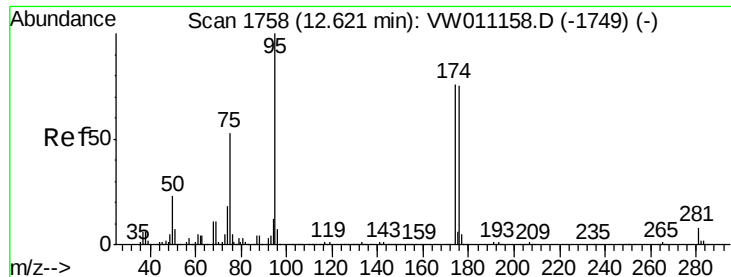
100 65.2 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

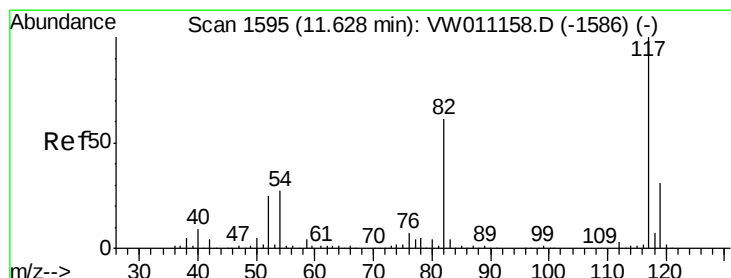
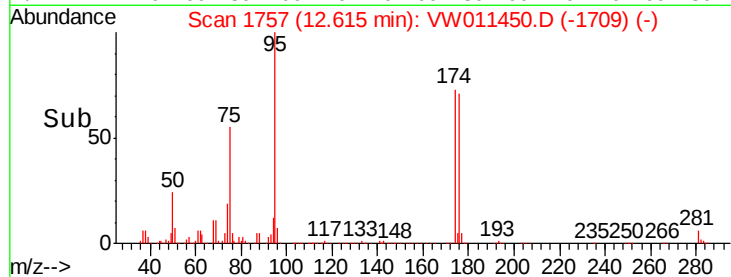
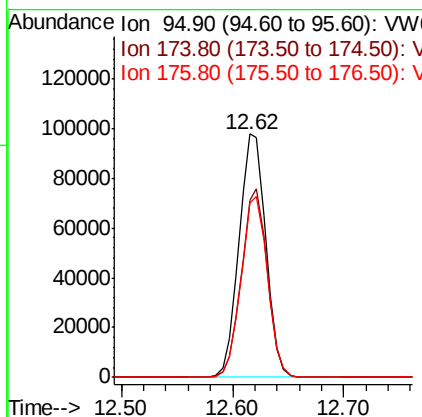
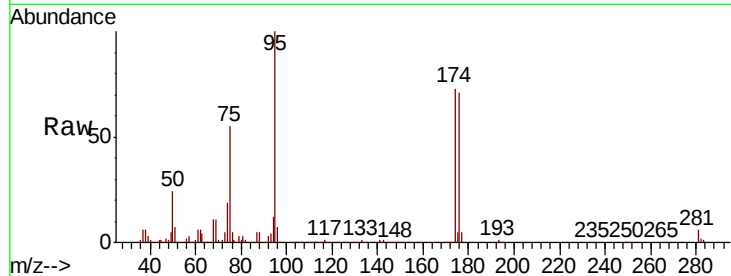




#62
4-Bromofluorobenzene
Concen: 45.024 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.01 min
Lab File: VW011450.D
Acq: 24 Jul 2019 00:00

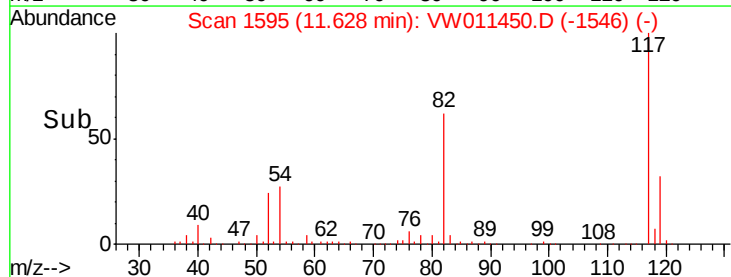
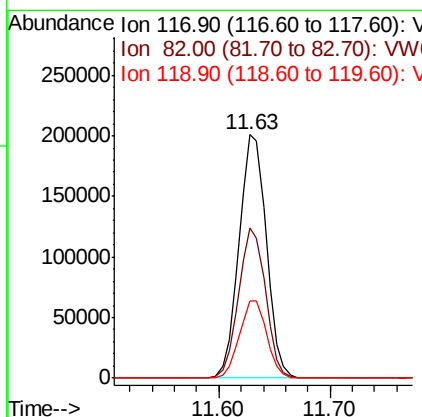
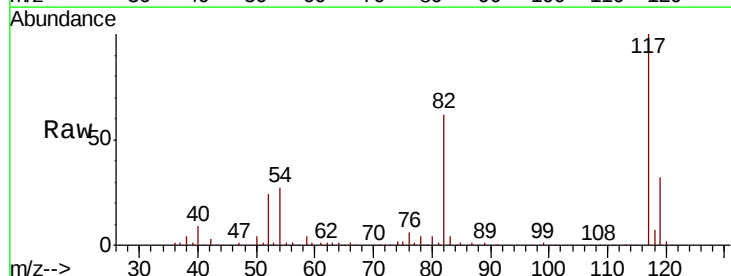
Instrument :
MSVOA_W
ClientSampleId :
SOIL-COMP

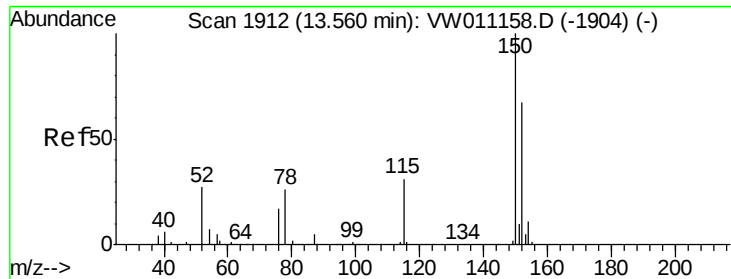
Tot Ion: 95 Resp: 162770
Ion Ratio Lower Upper
95 100
174 75.0 0.0 147.6
176 73.4 0.0 144.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW011450.D
Acq: 24 Jul 2019 00:00

Tgt Ion: 117 Resp: 341820
Ion Ratio Lower Upper
117 100
82 61.7 48.9 73.3
119 31.6 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: VW011450.D

Acq: 24 Jul 2019 00:00

Instrument :

MSVOA_W

ClientSampleId :

SOIL-COMP

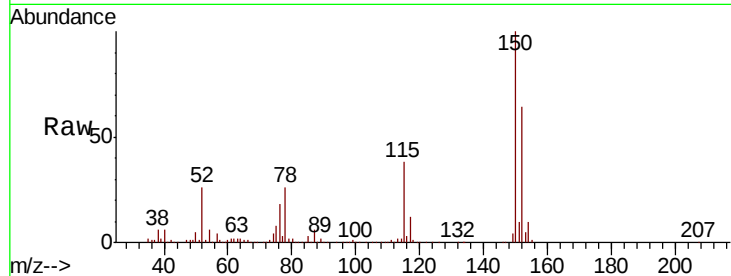
Tot Ion:152 Resp: 141793

Ion Ratio Lower Upper

152 100

115 60.2 30.1 90.3

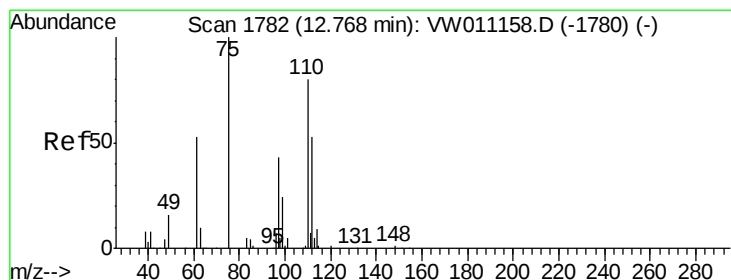
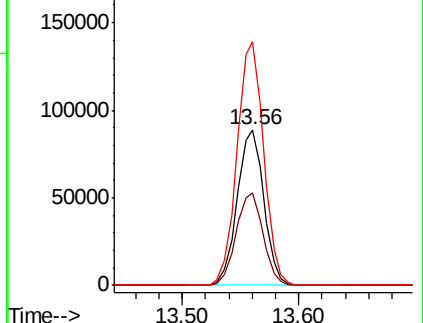
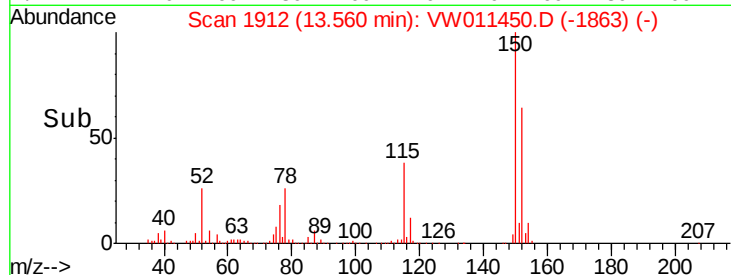
150 156.5 0.0 346.0



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: 53.203 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011450.D

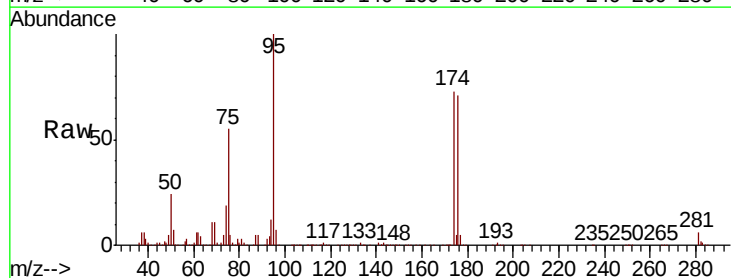
Acq: 24 Jul 2019 00:00

Tgt Ion: 75 Resp: 87179

Ion Ratio Lower Upper

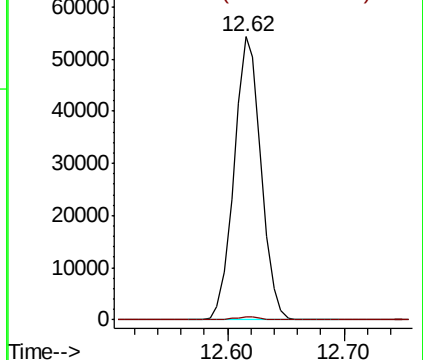
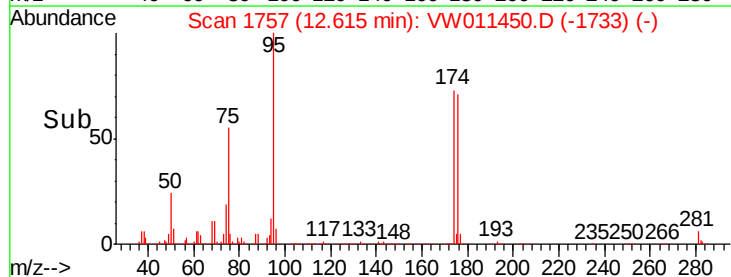
75 100

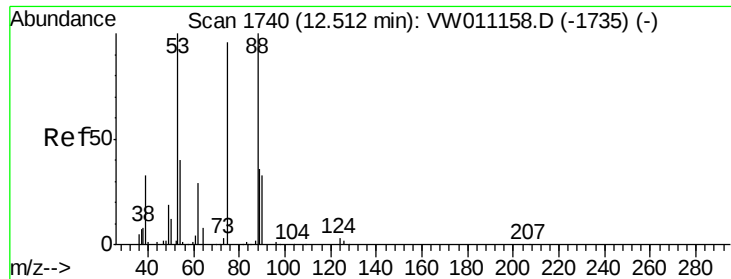
77 1.2 0.0 0.0#



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: 120.336 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011450.D

Acq: 24 Jul 2019 00:00

Instrument :

MSVOA_W

ClientSampleId :

SOIL-COMP

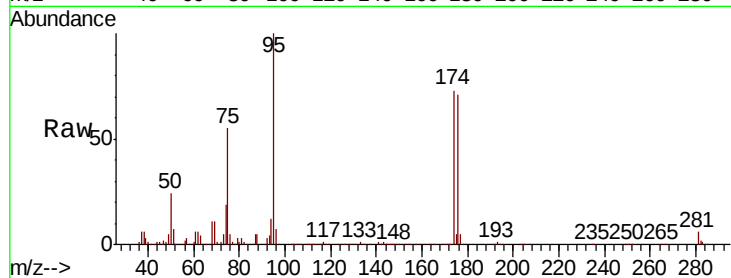
Tot Ion: 75 Resp: 87179

Ion Ratio Lower Upper

75 100

53 0.1 89.8 134.6#

89 0.2 34.3 51.5#



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

