

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101018\
 Data File : VW005958.D
 Acq On : 10 Oct 2018 00:31
 Operator : SY/AP
 Sample : J5325-01RE
 Misc : 5.24G/5ML/MSVOA_W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SOIL-DEBRIRE

Quant Time: Oct 10 01:22:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100818S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 09 02:14:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	178375	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	259120	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	174433	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	50034	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	103809	59.95	ug/l	0.00
Spiked Amount			Recovery	=	119.90%	
35) Dibromofluoromethane	7.88	113	97140	58.72	ug/l	0.00
Spiked Amount			Recovery	=	117.44%	
50) Toluene-d8	10.32	98	287945	45.24	ug/l	0.00
Spiked Amount			Recovery	=	90.48%	
62) 4-Bromofluorobenzene	12.62	95	68323	28.21	ug/l	0.00
Spiked Amount			Recovery	=	56.42%	

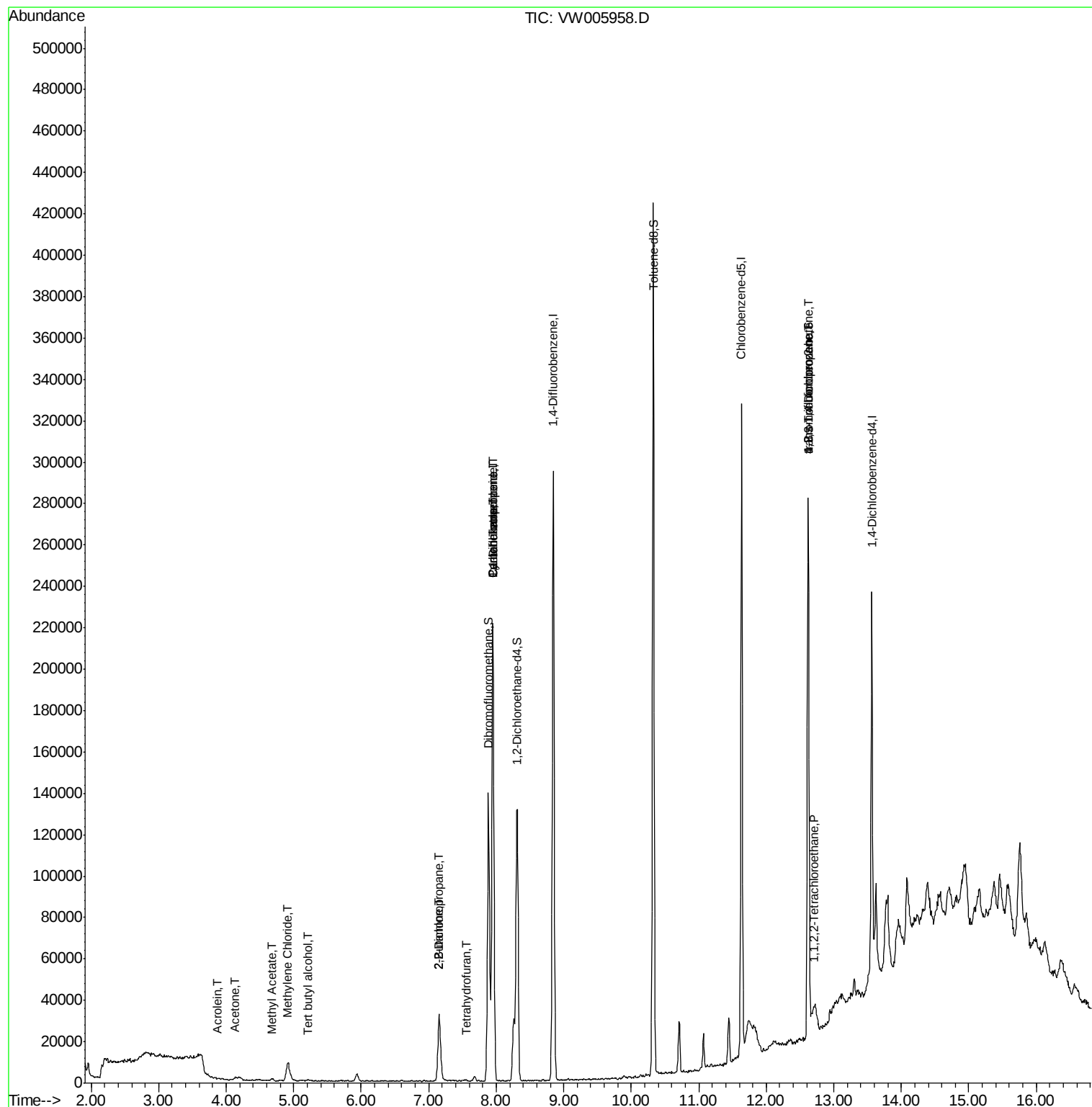
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	365	2.876	ug/l #	89
13) Acrolein	3.88	56	169	1.494	ug/l #	63
16) Acetone	4.14	43	2788	8.061	ug/l	97
18) Methyl Acetate	4.67	43	2175	2.492	ug/l	97
20) Methylene Chloride	4.91	84	8050	4.645	ug/l	98
25) 2-Butanone	7.15	43	1956	3.976	ug/l #	69
26) 2,2-Dichloropropane	7.15	77	2253	1.045	ug/l #	52
29) Tetrahydrofuran	7.55	42	515	1.656	ug/l #	41
31) Cyclohexane	7.95	56	3585	1.183	ug/l #	18
36) 1,1-Dichloropropene	7.95	75	11770	4.740	ug/l #	49
38) Carbon Tetrachloride	7.95	117	15839	5.938	ug/l #	14
75) 1,1,2,2-Tetrachloroethane	12.70	83	940	1.569	ug/l #	39
76) 1,2,3-Trichloropropane	12.62	75	34239	76.608	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	34239	161.727	ug/l #	12

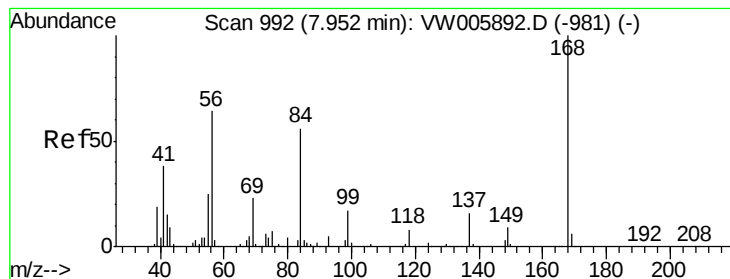
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Oct 09 02:14:04 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW005958.D

Acq: 10 Oct 2018 00:31

Instrument :

MSVOA_W

ClientSampleId :

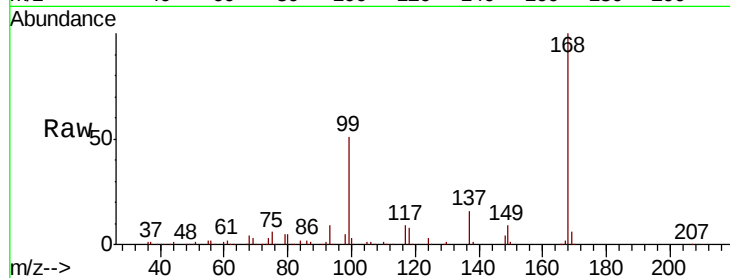
SOIL-DEBRIRE

Tgt Ion:168 Resp: 178375

Ion Ratio Lower Upper

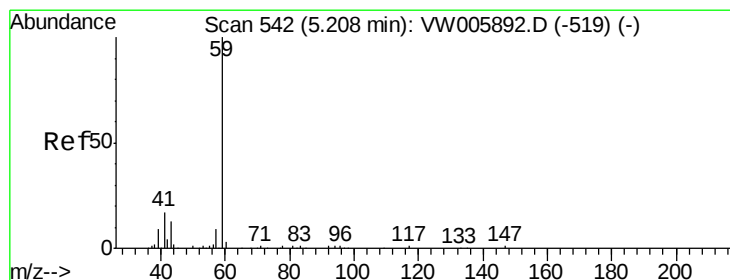
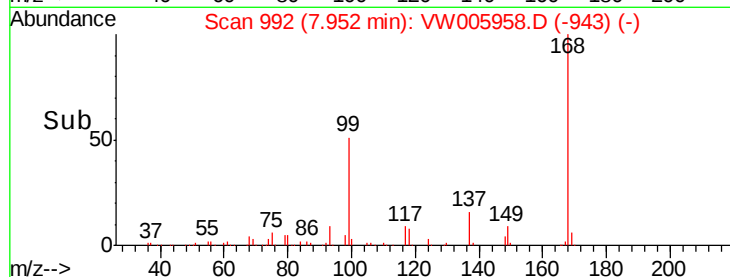
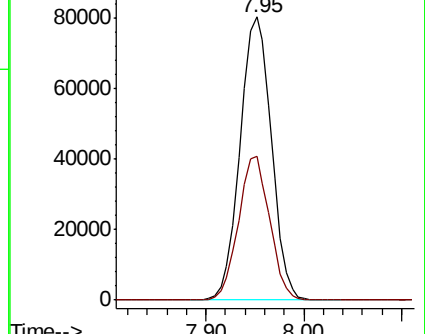
168 100

99 51.0 40.9 61.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 2.876 ug/l

RT: 5.20 min Scan# 540

Delta R.T. -0.01 min

Lab File: VW005958.D

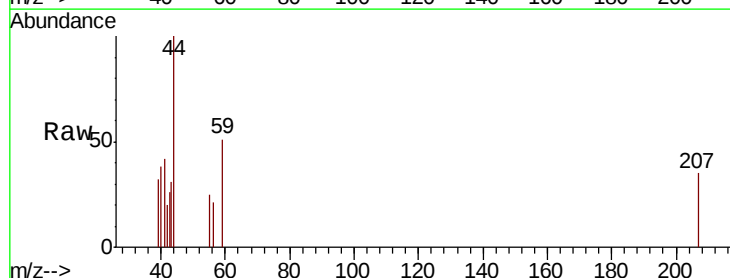
Acq: 10 Oct 2018 00:31

Tgt Ion: 59 Resp: 365

Ion Ratio Lower Upper

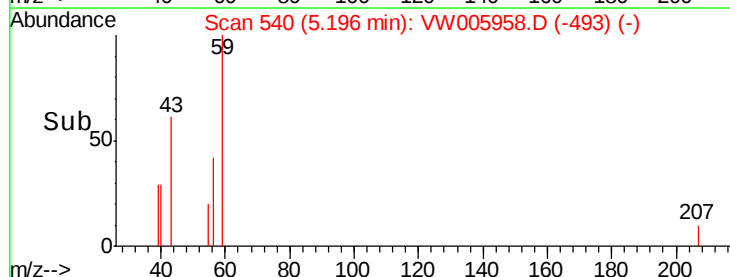
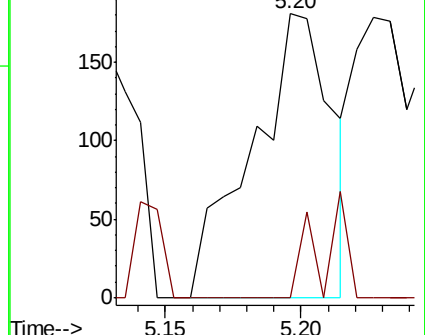
59 100

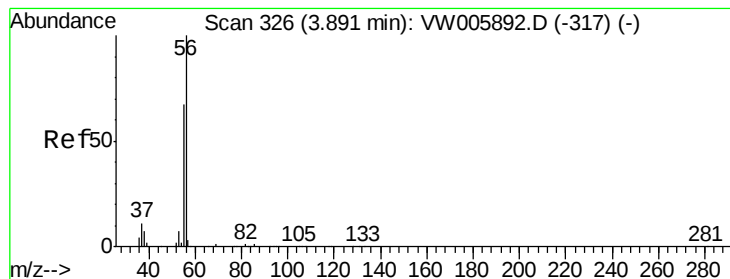
57 5.5 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 1.494 ug/l

RT: 3.88 min Scan# 324

Delta R.T. -0.01 min

Lab File: VW005958.D

Acq: 10 Oct 2018 00:31

Instrument :

MSVOA_W

ClientSampleId :

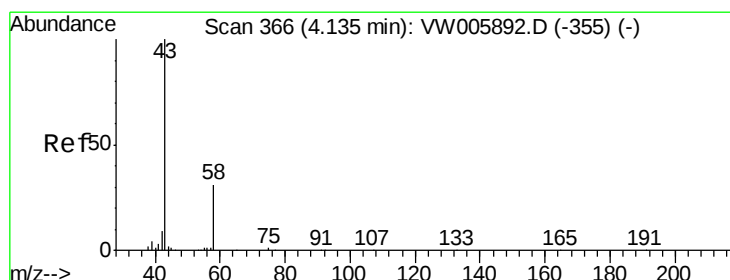
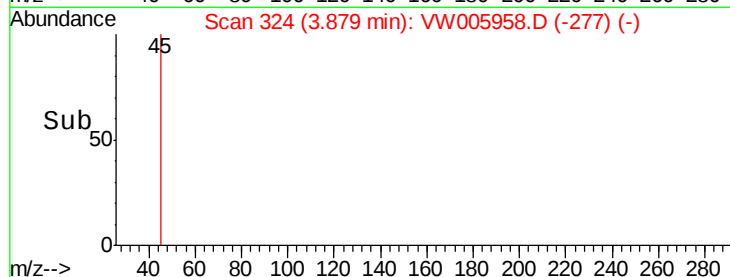
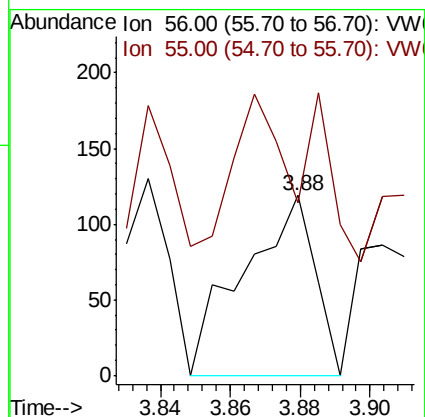
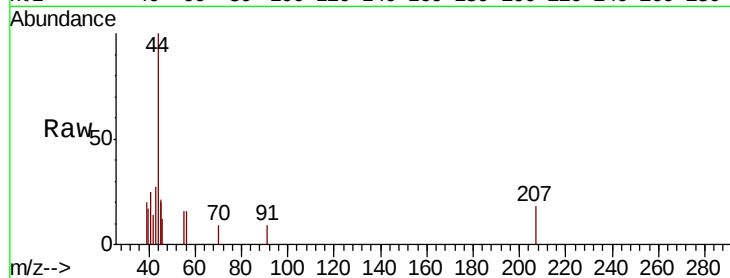
SOIL-DEBRIRE

Tgt Ion: 56 Resp: 169

Ion Ratio Lower Upper

56 100

55 98.2 54.6 82.0#



#16

Acetone

Concen: 8.061 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.00 min

Lab File: VW005958.D

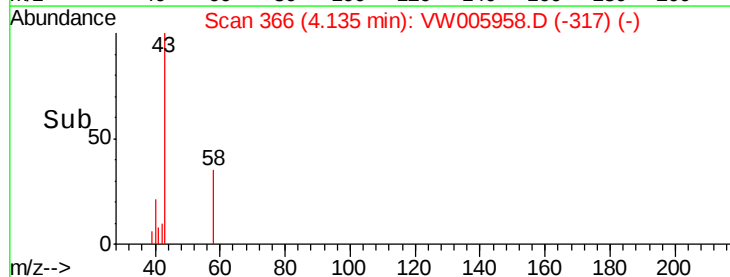
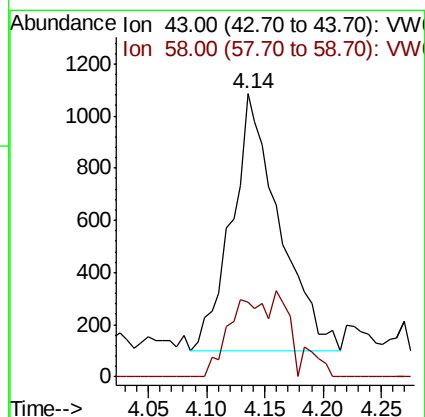
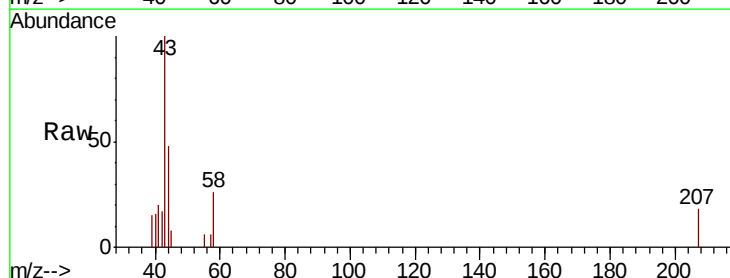
Acq: 10 Oct 2018 00:31

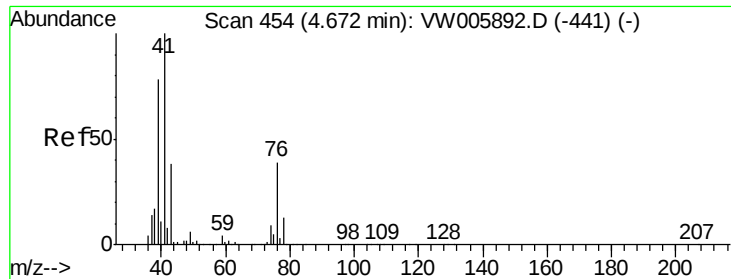
Tgt Ion: 43 Resp: 2788

Ion Ratio Lower Upper

43 100

58 29.1 24.7 37.1

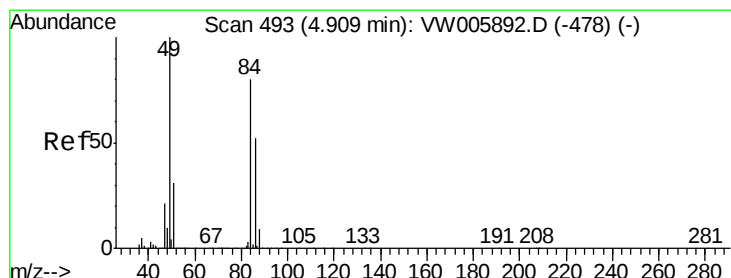
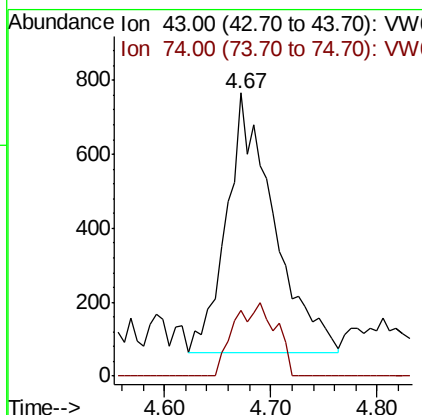
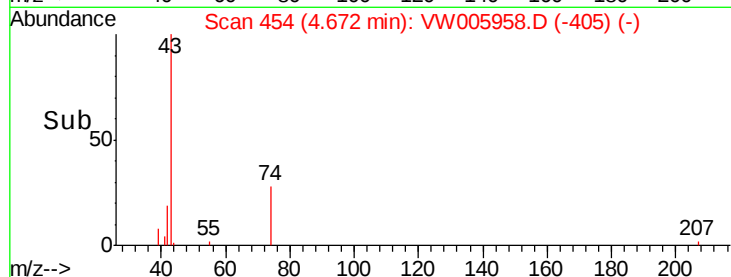
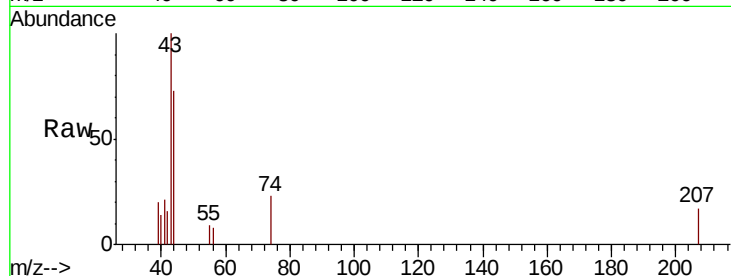




#18
Methyl Acetate
Concen: 2.492 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW005958.D
Acq: 10 Oct 2018 00:31

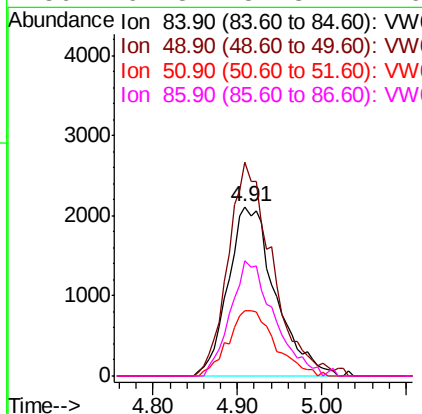
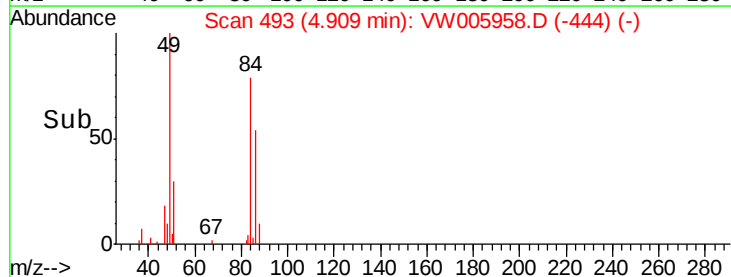
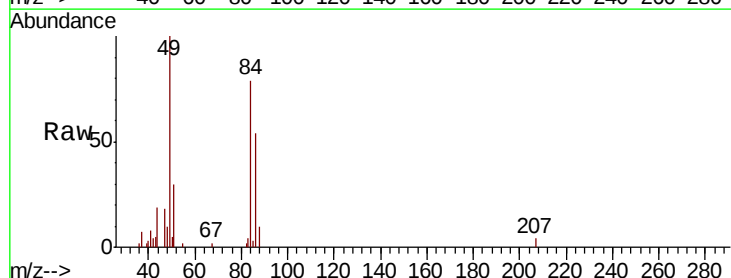
Instrument :
MSVOA_W
ClientSampleId :
SOIL-DEBRIRE

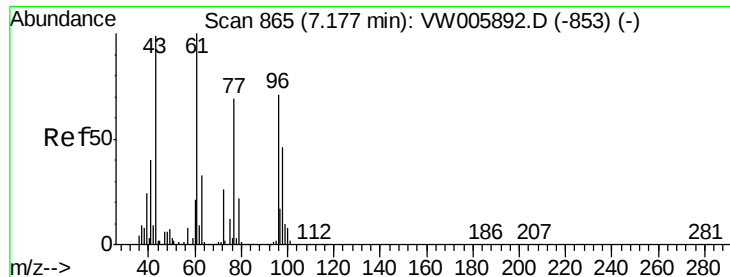
Tgt Ion: 43 Resp: 2175
Ion Ratio Lower Upper
43 100
74 25.6 19.2 28.8



#20
Methylene Chloride
Concen: 4.645 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW005958.D
Acq: 10 Oct 2018 00:31

Tgt Ion: 84 Resp: 8050
Ion Ratio Lower Upper
84 100
49 126.1 99.9 149.9
51 38.4 31.1 46.7
86 67.8 51.8 77.6





#25

2-Butanone

Concen: 3.976 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.02 min

Lab File: VW005958.D

Acq: 10 Oct 2018 00:31

Instrument :

MSVOA_W

ClientSampleId :

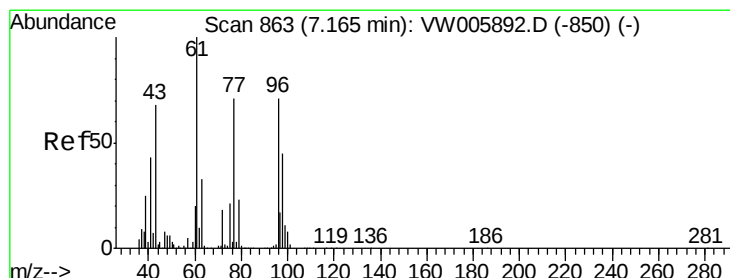
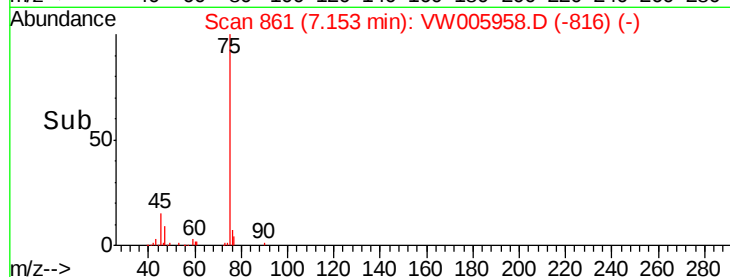
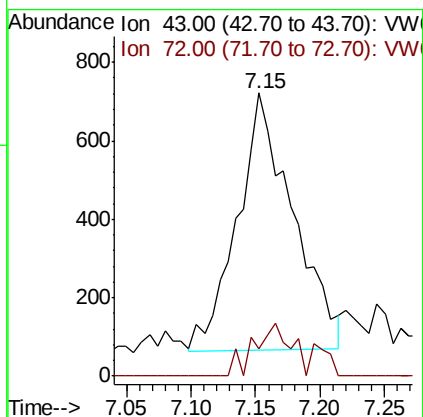
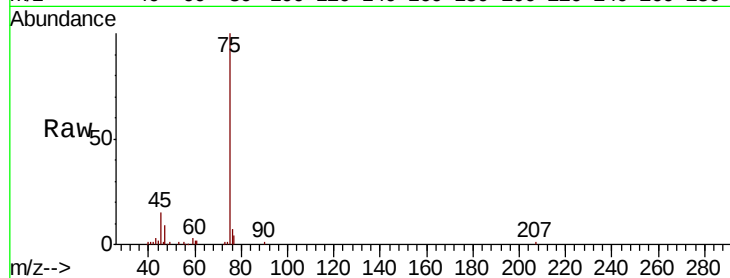
SOIL-DEBRIRE

Tgt Ion: 43 Resp: 1956

Ion Ratio Lower Upper

43 100

72 10.4 21.0 31.4#



#26

2,2-Dichloropropane

Concen: 1.045 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW005958.D

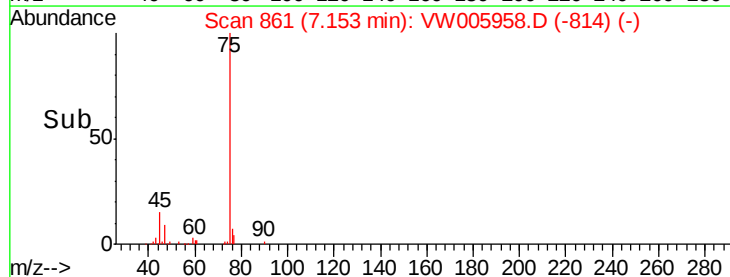
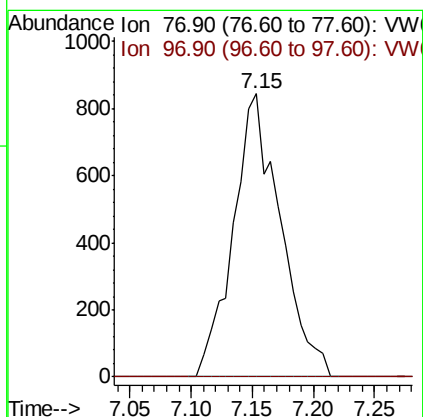
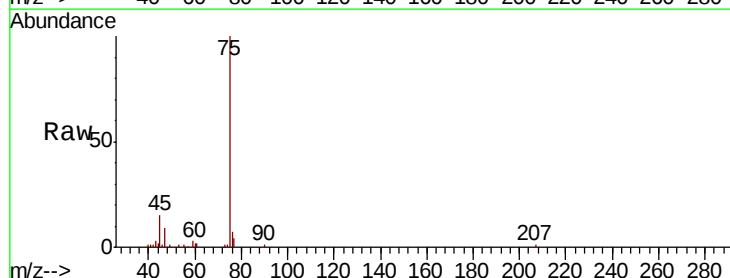
Acq: 10 Oct 2018 00:31

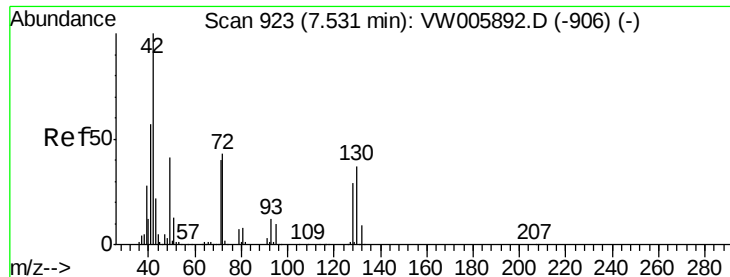
Tgt Ion: 77 Resp: 2253

Ion Ratio Lower Upper

77 100

97 0.0 11.9 35.7#





#29

Tetrahydrofuran

Concen: 1.656 ug/l

RT: 7.55 min Scan# 926

Delta R.T. 0.02 min

Lab File: VW005958.D

Acq: 10 Oct 2018 00:31

Instrument :

MSVOA_W

ClientSampleId :

SOIL-DEBRIRE

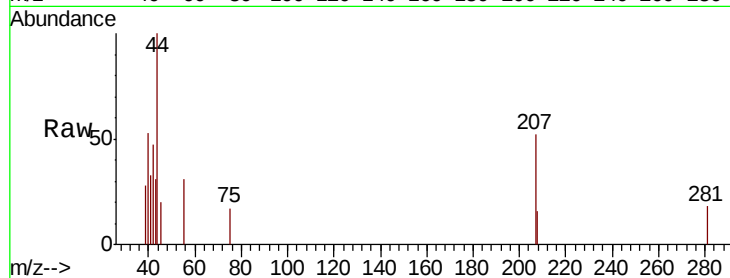
Tgt Ion: 42 Resp: 515

Ion Ratio Lower Upper

42 100

72 0.0 34.6 51.8#

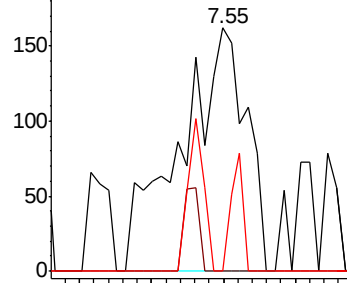
71 9.3 32.6 49.0#



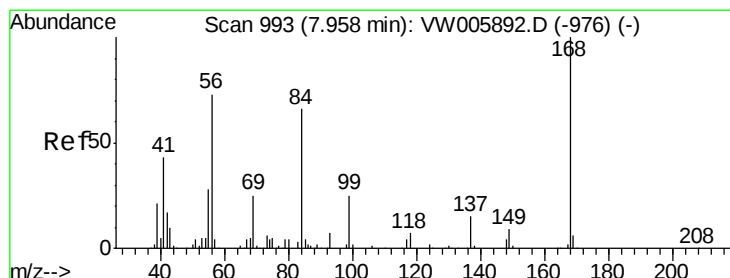
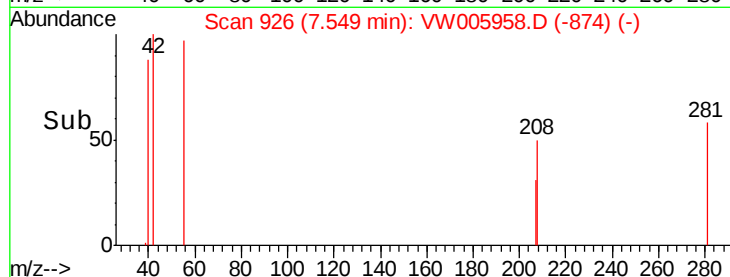
Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW



Time-->



#31

Cyclohexane

Concen: 1.183 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW005958.D

Acq: 10 Oct 2018 00:31

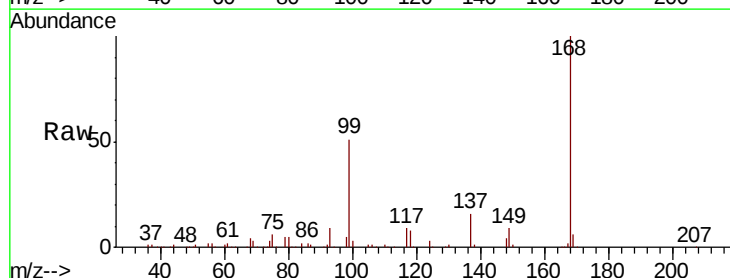
Tgt Ion: 56 Resp: 3585

Ion Ratio Lower Upper

56 100

69 154.6 27.9 41.9#

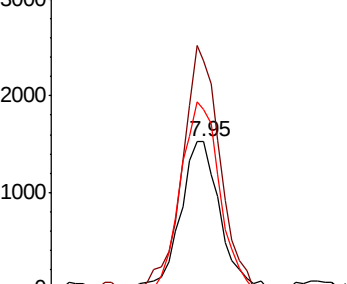
84 121.9 72.3 108.5#



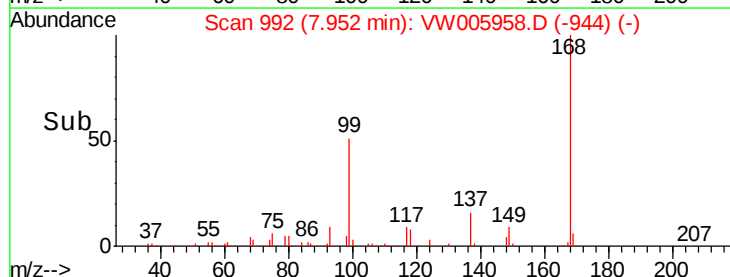
Abundance Ion 56.00 (55.70 to 56.70): VW

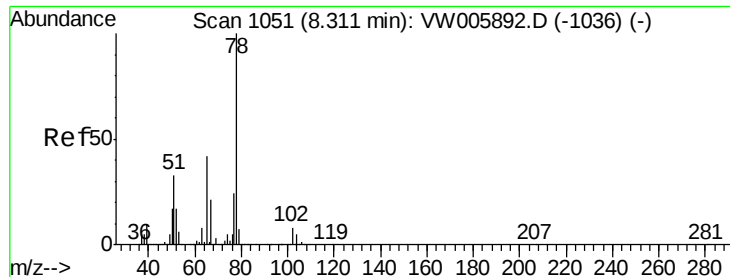
Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



Time-->

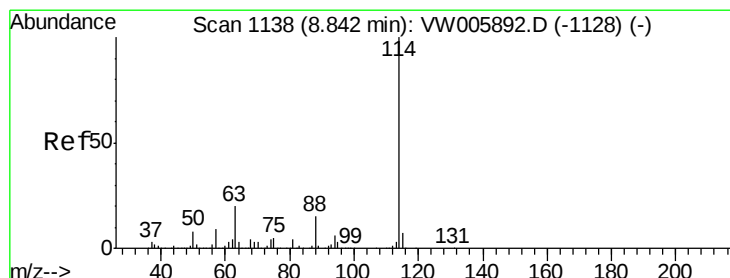
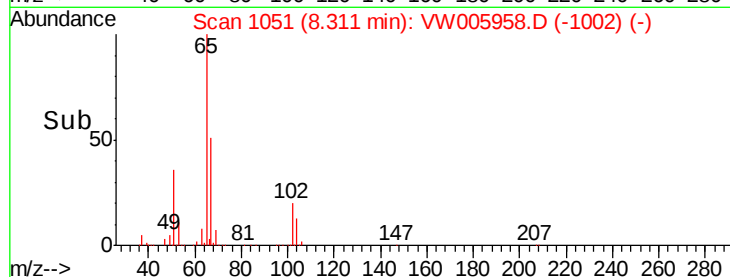
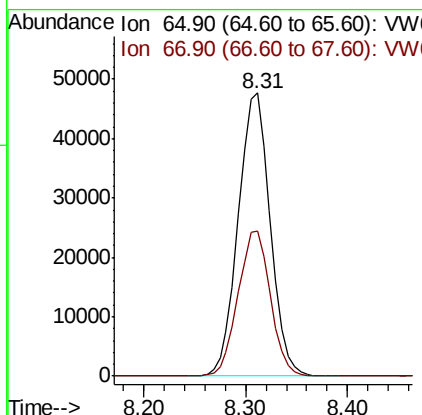
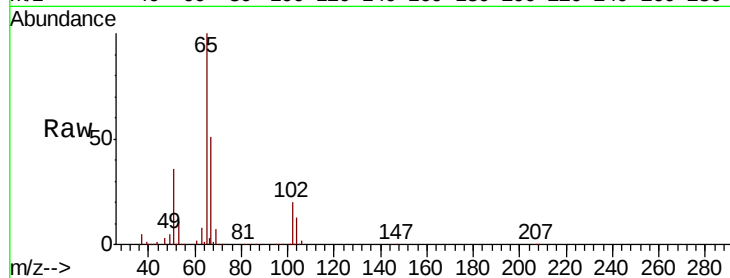




#33
 1,2-Dichloroethane-d4
 Concen: 59.949 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW005958.D
 Acq: 10 Oct 2018 00:31

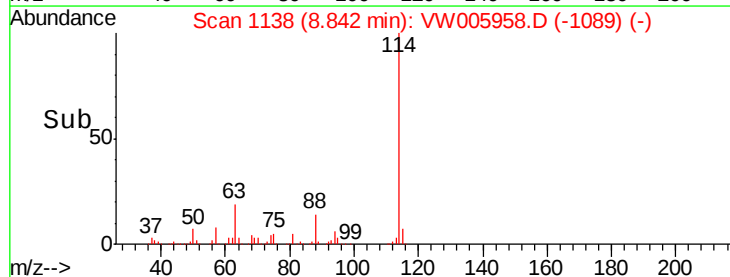
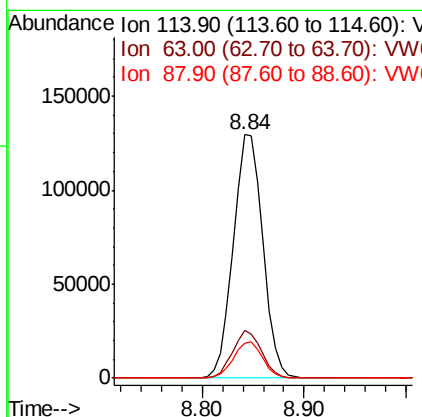
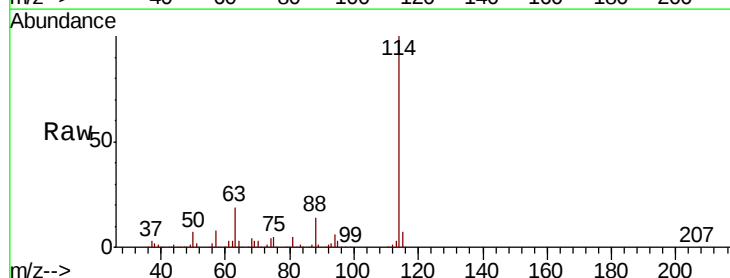
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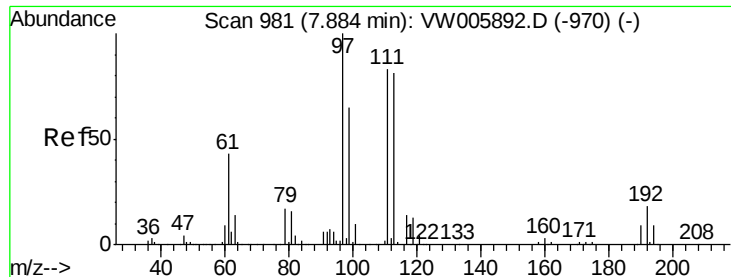
Tgt Ion: 65 Resp: 103809
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW005958.D
 Acq: 10 Oct 2018 00:31

Tgt Ion: 114 Resp: 259120
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.2
 88 14.4 0.0 30.8

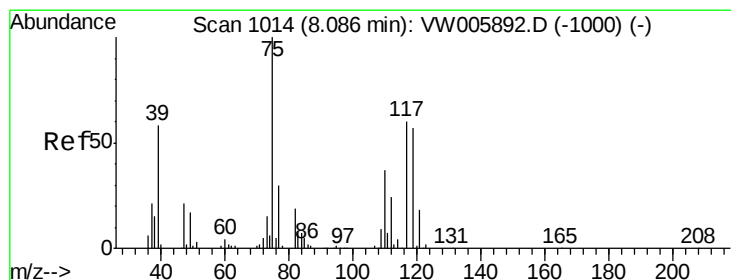
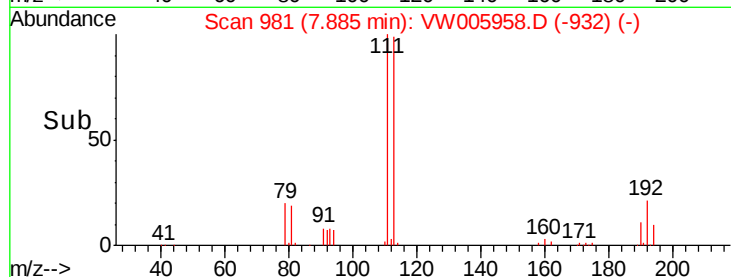
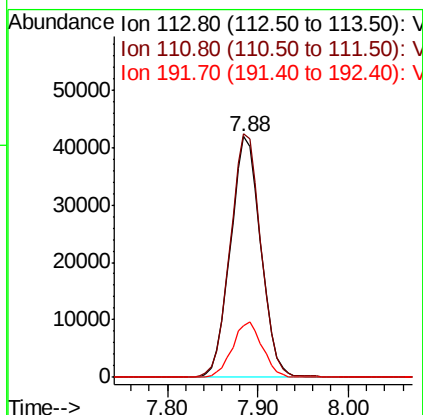
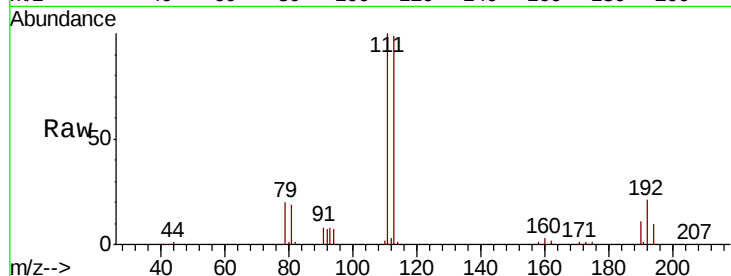




#35
 Dibromofluoromethane
 Concen: 58.717 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW005958.D
 Acq: 10 Oct 2018 00:31

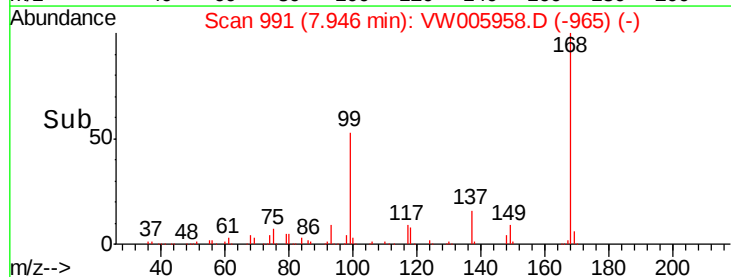
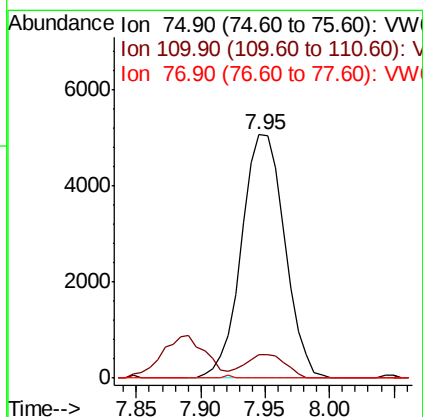
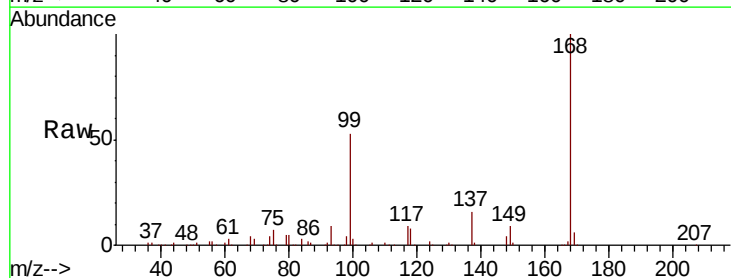
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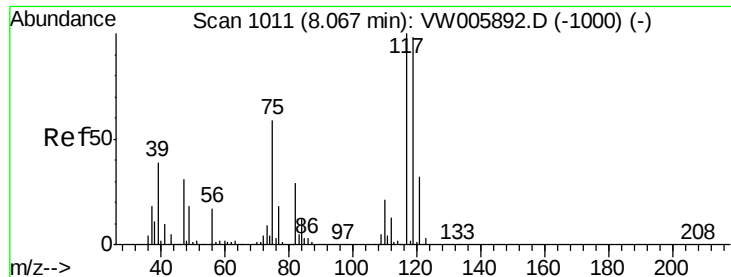
Tgt Ion:113 Resp: 97140
 Ion Ratio Lower Upper
 113 100
 111 102.2 82.0 123.0
 192 22.7 18.3 27.5



#36
 1,1-Dichloropropene
 Concen: 4.740 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW005958.D
 Acq: 10 Oct 2018 00:31

Tgt Ion: 75 Resp: 11770
 Ion Ratio Lower Upper
 75 100
 110 9.1 18.6 56.0#
 77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.938 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW005958.D

Acq: 10 Oct 2018 00:31

Instrument :

MSVOA_W

ClientSampleId :

SOIL-DEBRIRE

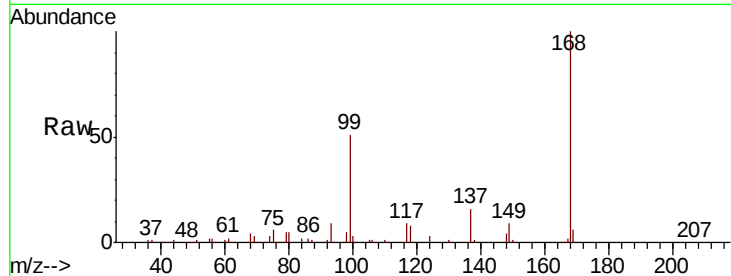
Tgt Ion:117 Resp: 15839

Ion Ratio Lower Upper

117 100

119 4.3 78.6 117.8#

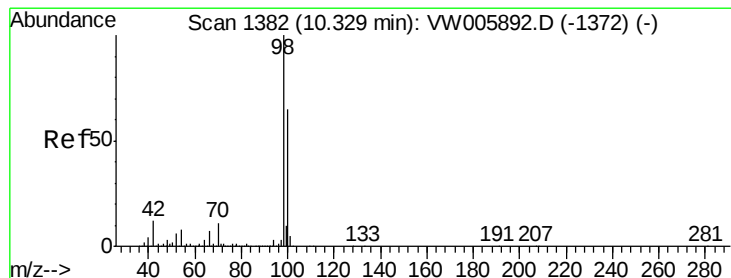
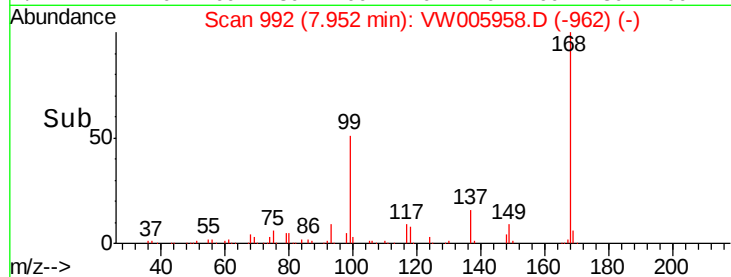
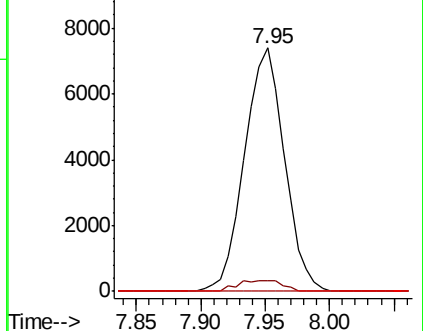
121 0.0 25.3 37.9#



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: 45.238 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VW005958.D

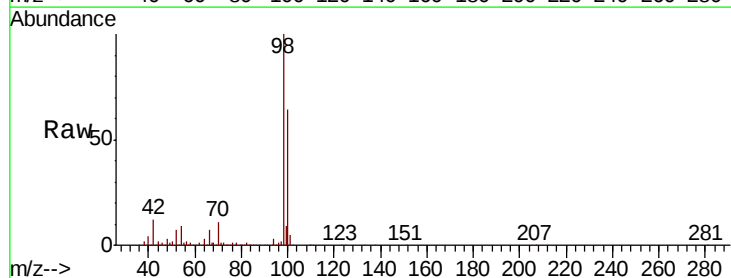
Acq: 10 Oct 2018 00:31

Tgt Ion: 98 Resp: 287945

Ion Ratio Lower Upper

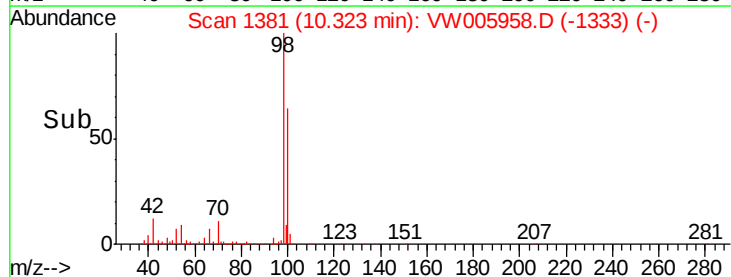
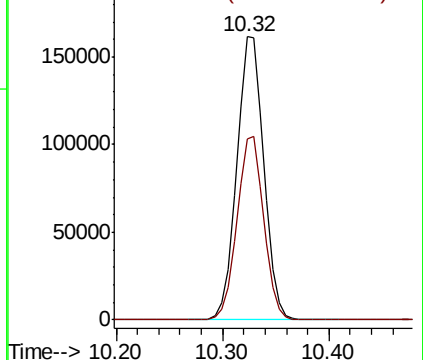
98 100

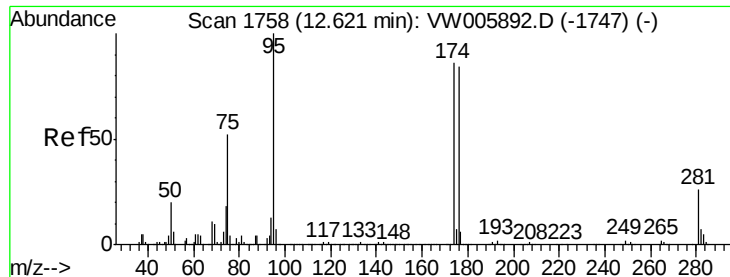
100 64.1 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 28.213 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW005958.D

Acq: 10 Oct 2018 00:31

Instrument :

MSVOA_W

ClientSampleId :

SOIL-DEBRIRE

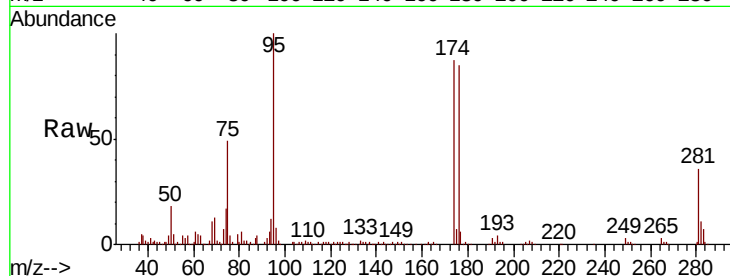
Tgt Ion: 95 Resp: 68323

Ion Ratio Lower Upper

95 100

174 90.2 0.0 176.4

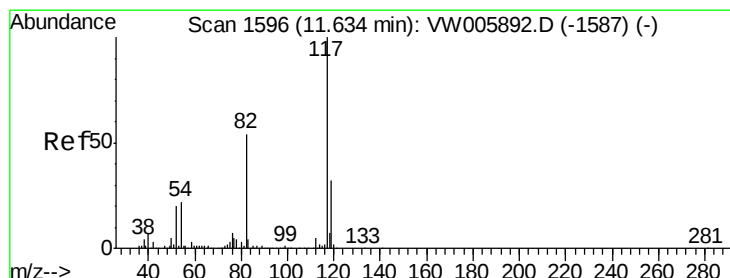
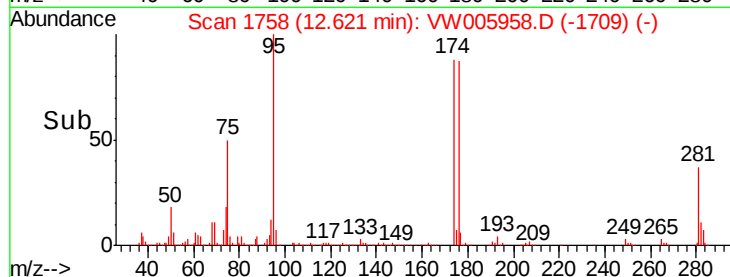
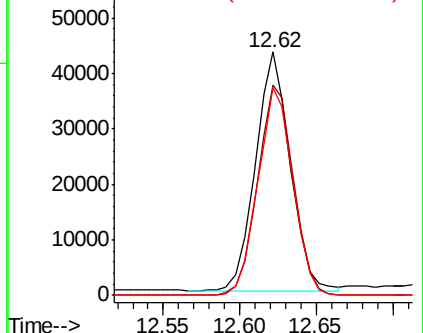
176 87.4 0.0 173.0



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: VW005958.D

Acq: 10 Oct 2018 00:31

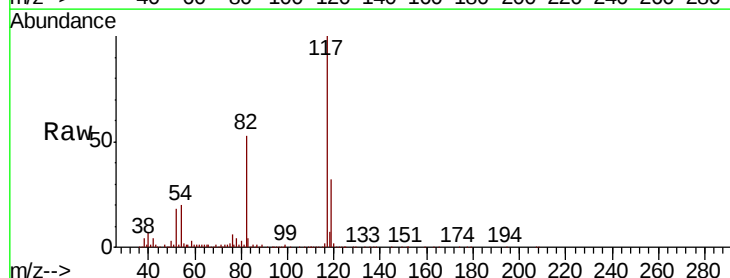
Tgt Ion: 117 Resp: 174433

Ion Ratio Lower Upper

117 100

82 52.7 43.5 65.3

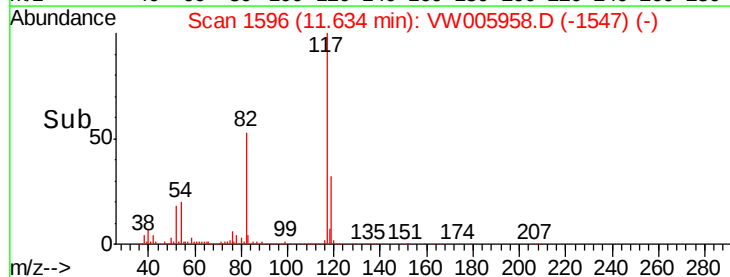
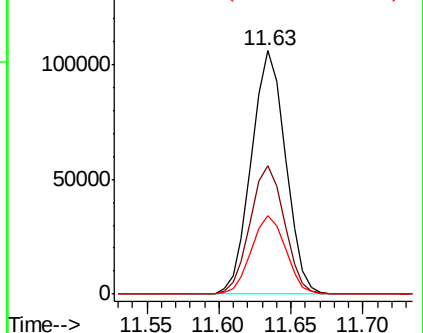
119 32.1 25.4 38.2

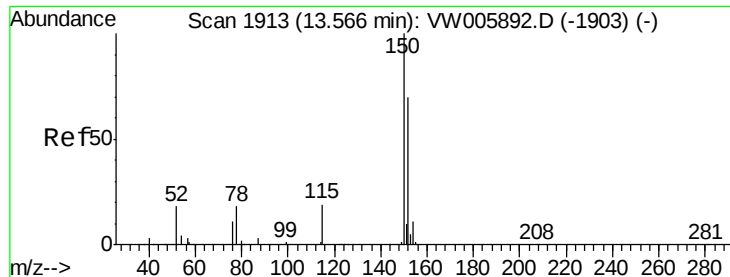


Abundance Ion 116.90 (116.60 to 117.60): VW

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. -0.01 min

Lab File: VW005958.D

Acq: 10 Oct 2018 00:31

Instrument :

MSVOA_W

ClientSampleId :

SOIL-DEBRIRE

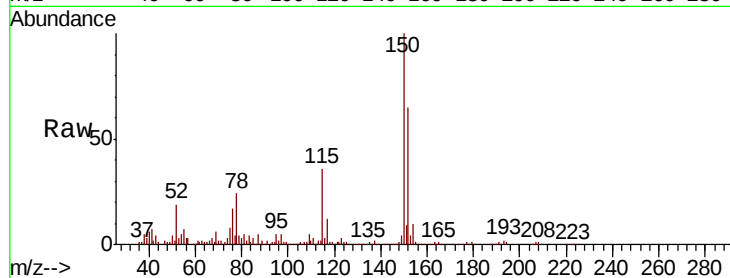
Tgt Ion:152 Resp: 50034

Ion Ratio Lower Upper

152 100

115 53.7 28.3 85.0

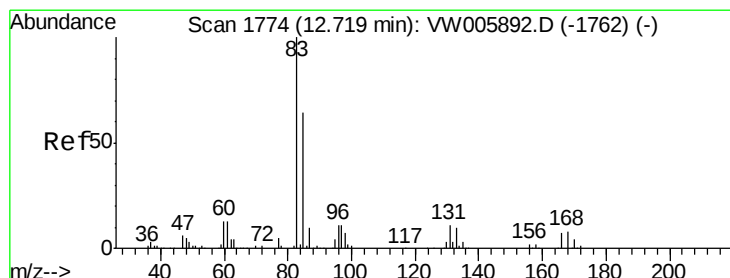
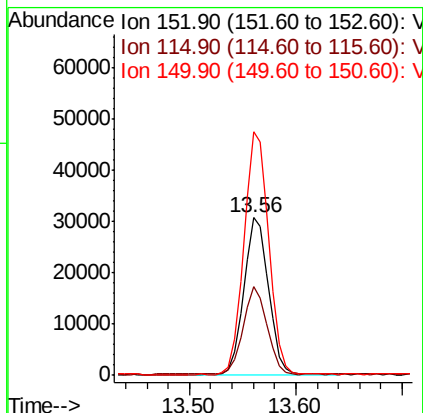
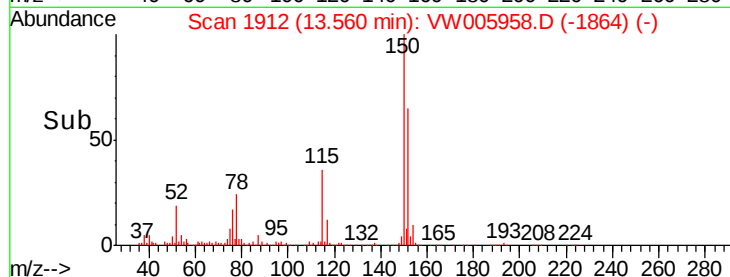
150 154.2 0.0 349.2



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



#75

1,1,2,2-Tetrachloroethane

Concen: 1.569 ug/l

RT: 12.70 min Scan# 1771

Delta R.T. -0.02 min

Lab File: VW005958.D

Acq: 10 Oct 2018 00:31

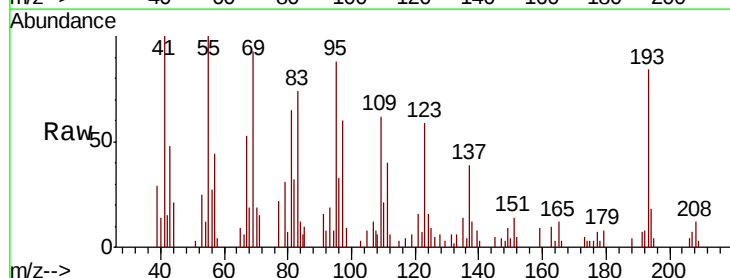
Tgt Ion: 83 Resp: 940

Ion Ratio Lower Upper

83 100

131 6.6 5.8 17.3

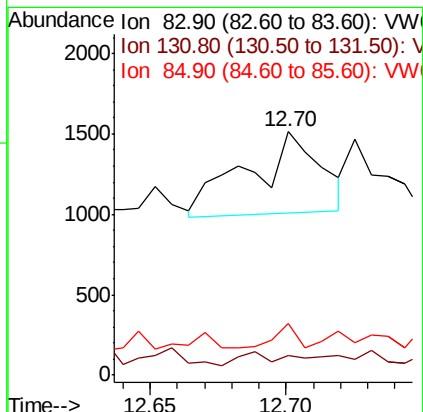
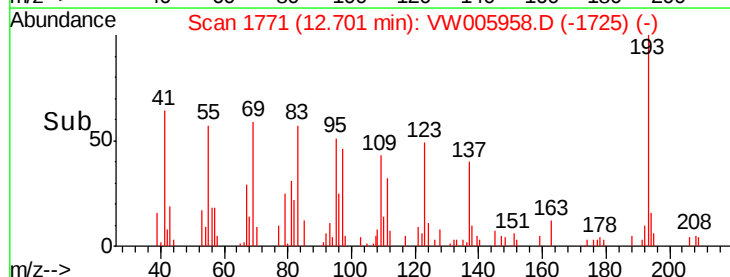
85 10.1 32.4 97.0#

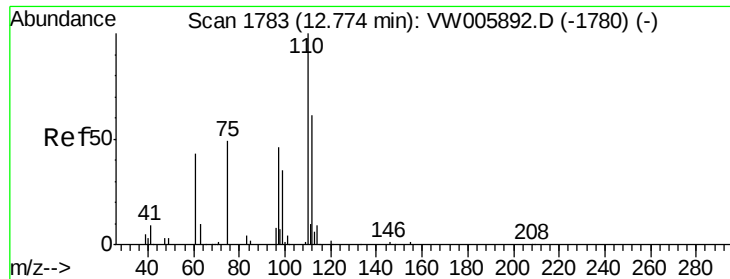


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW

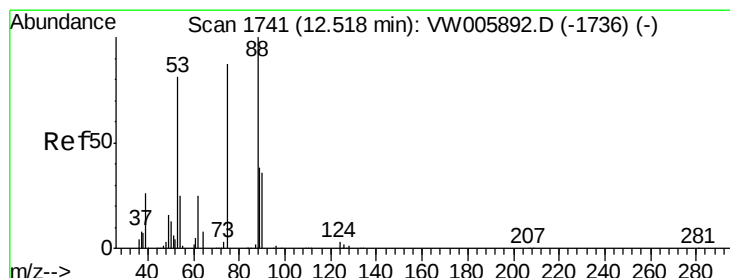
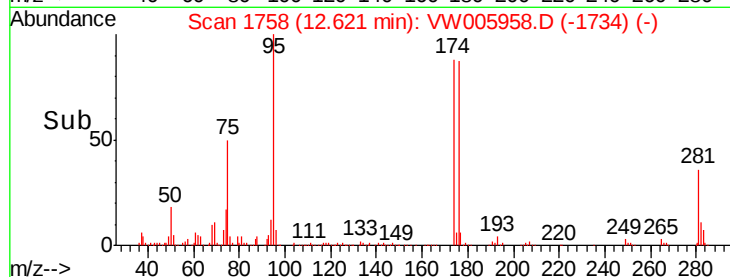
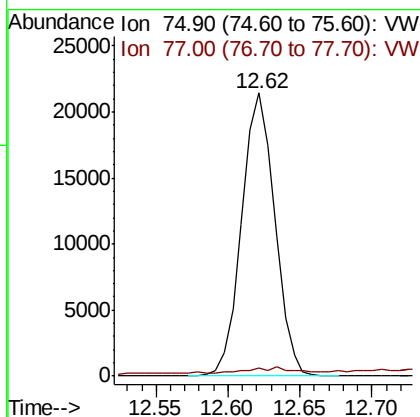
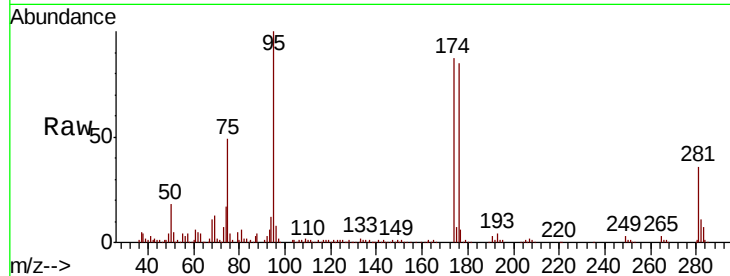




#76
 1,2,3-Trichloropropane
 Concen: 76.608 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW005958.D
 Acq: 10 Oct 2018 00:31

Instrument :
 MSVOA_W
 ClientSampleId :
 SOIL-DEBRIRE

Tgt Ion: 75 Resp: 34239
 Ion Ratio Lower Upper
 75 100
 77 2.7 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 161.727 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW005958.D
 Acq: 10 Oct 2018 00:31

Tgt Ion: 75 Resp: 34239
 Ion Ratio Lower Upper
 75 100
 53 0.9 76.5 114.7#
 89 0.4 37.6 56.4#

