

Data File : VW010553.D
Acq On : 24 May 2019 16:27
Operator : SY/VA
Sample : K3053-01
Misc : 6.51G/5ML/MSVOA_W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CR-SOIL-PILE

Quant Time: May 25 01:13:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260
QLast Update : Tue May 21 06:38:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	117924	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	213691	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	189928	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	83192	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	70419	57.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.70%	
35) Dibromofluoromethane	7.88	113	66179	51.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.08%	
50) Toluene-d8	10.32	98	260720	52.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.26%	
62) 4-Bromofluorobenzene	12.62	95	97327	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	

Target Compounds

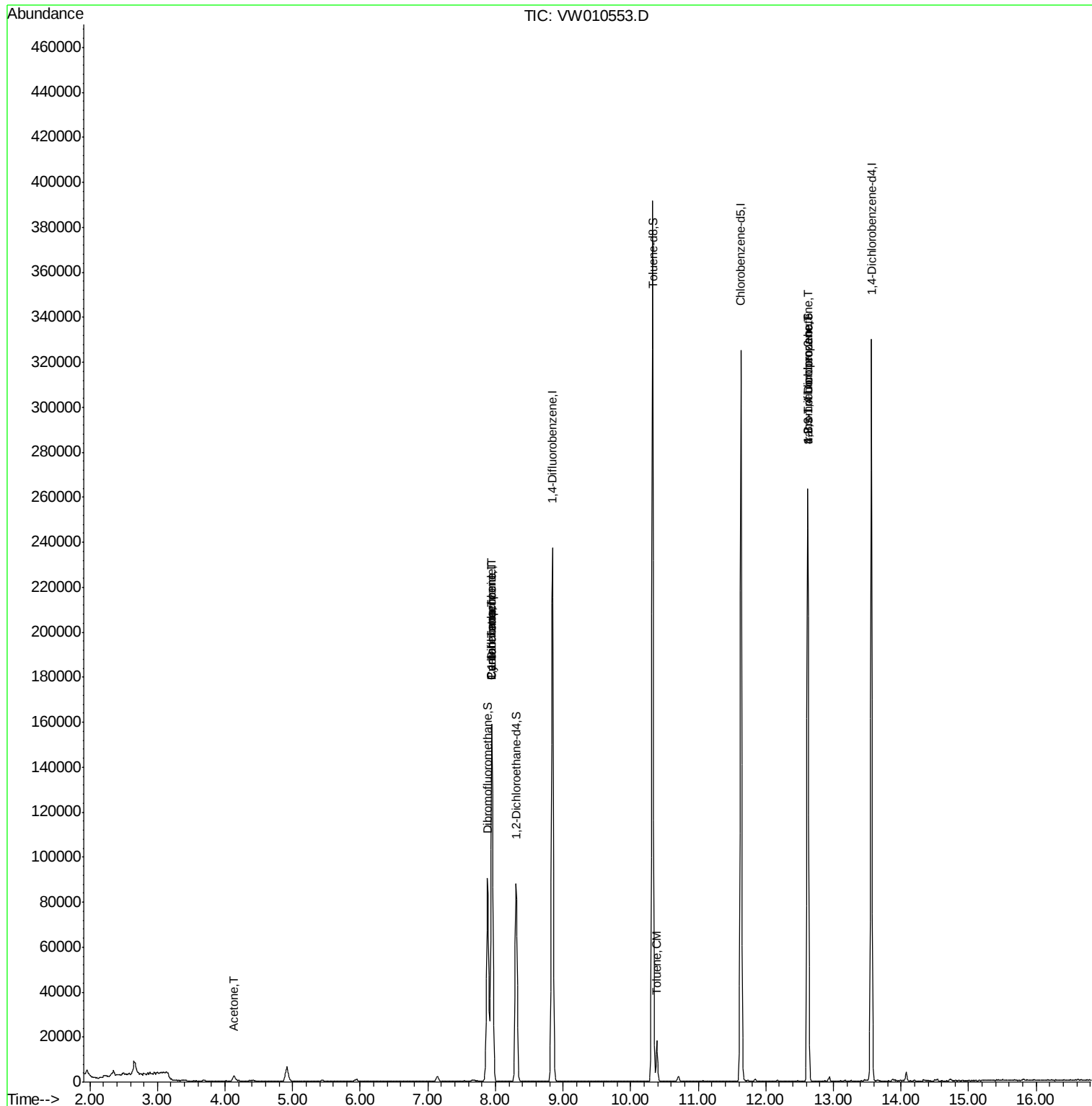
						Qvalue
16) Acetone	4.14	43	4684	18.853	ug/l	88
20) Methylene Chloride	4.92	84	5029	Below Cal		95
31) Cyclohexane	7.95	56	2356	1.019	ug/l #	12
36) 1,1-Dichloropropene	7.95	75	8820	4.431	ug/l #	48
38) Carbon Tetrachloride	7.95	117	12655	5.893	ug/l #	15
52) Toluene	10.39	92	7565	2.036	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	46053	54.536	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	46053	113.818	ug/l #	14

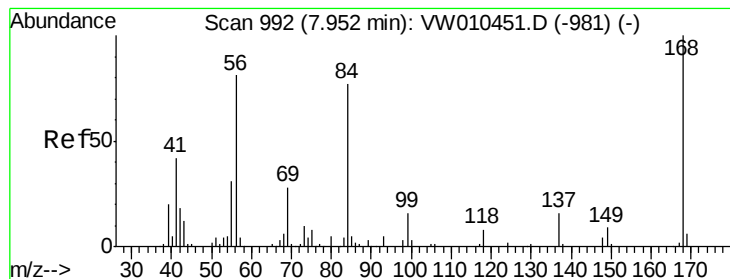
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010553.D

Acq: 24 May 2019 16:27

Instrument :

MSVOA_W

ClientSampleId :

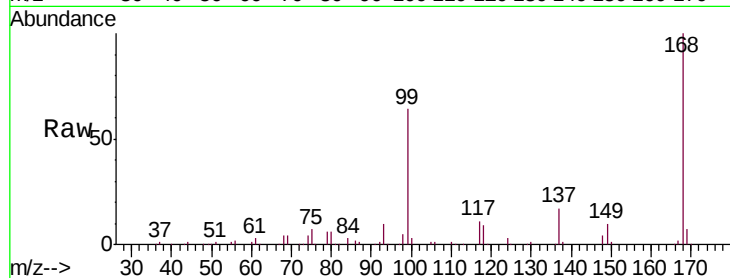
CR-SOIL-PILE

Tgt Ion:168 Resp: 117924

Ion Ratio Lower Upper

168 100

99 63.9 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

50000

40000

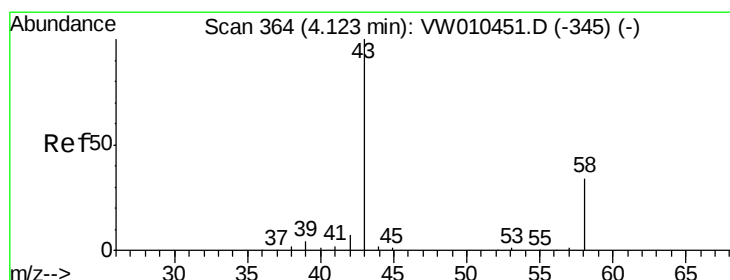
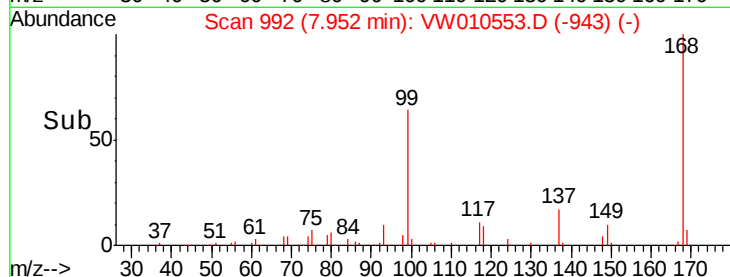
30000

20000

10000

0

Time-->



#16

Acetone

Concen: 18.853 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW010553.D

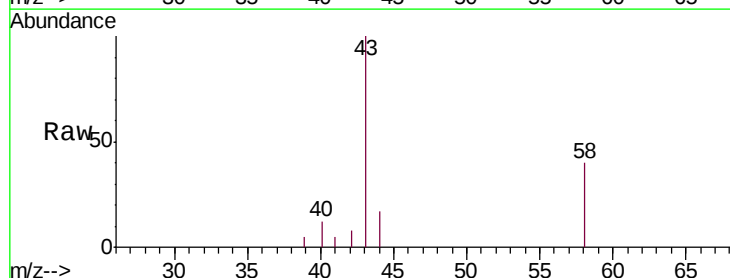
Acq: 24 May 2019 16:27

Tgt Ion: 43 Resp: 4684

Ion Ratio Lower Upper

43 100

58 40.4 27.0 40.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

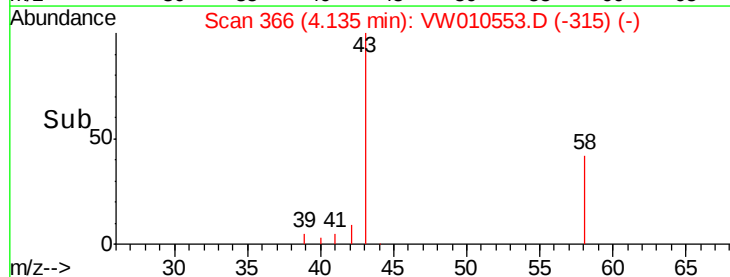
1500

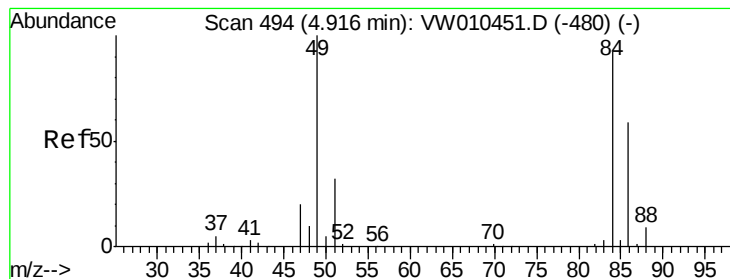
1000

500

0

Time-->





#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW010553.D

Acq: 24 May 2019 16:27

Instrument :

MSVOA_W

ClientSampled :

CR-SOIL-PILE

Tgt Ion: 84 Resp: 5029

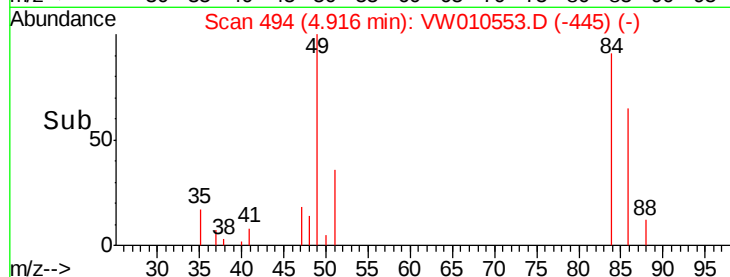
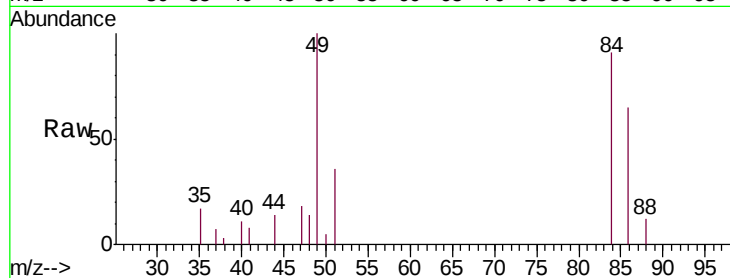
Ion Ratio Lower Upper

84 100

49 110.3 87.2 130.8

51 40.0 27.7 41.5

86 71.8 51.4 77.0

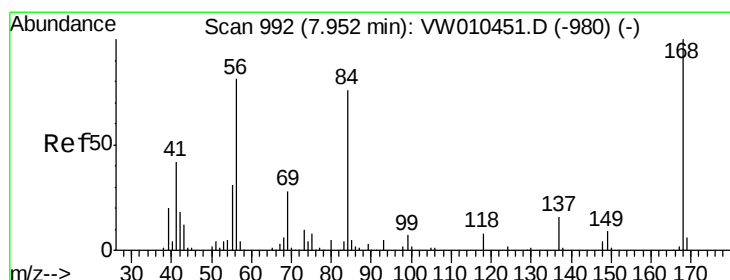
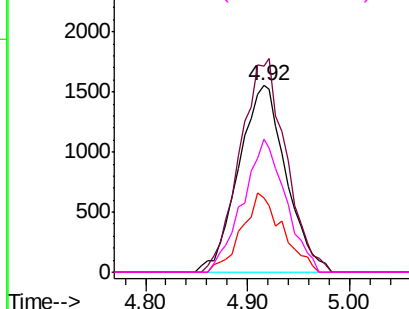


Abundance Ion 83.90 (83.60 to 84.60): VW

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



#31

Cyclohexane

Concen: 1.019 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010553.D

Acq: 24 May 2019 16:27

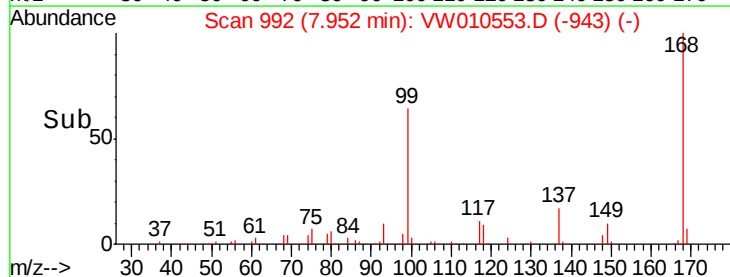
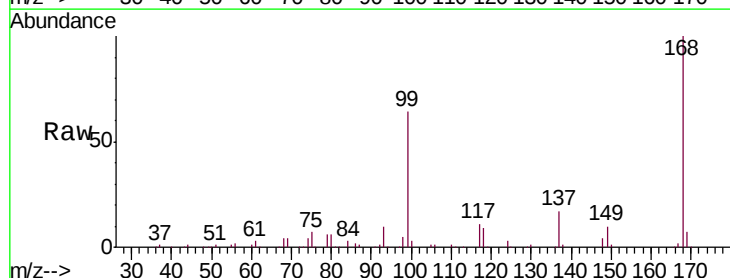
Tgt Ion: 56 Resp: 2356

Ion Ratio Lower Upper

56 100

69 160.9 28.2 42.2#

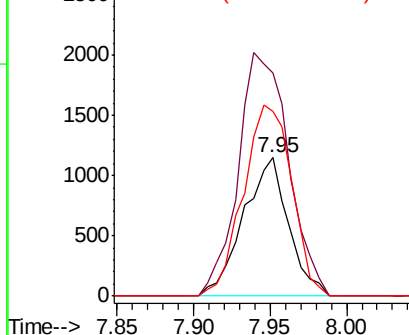
84 133.5 75.8 113.8#

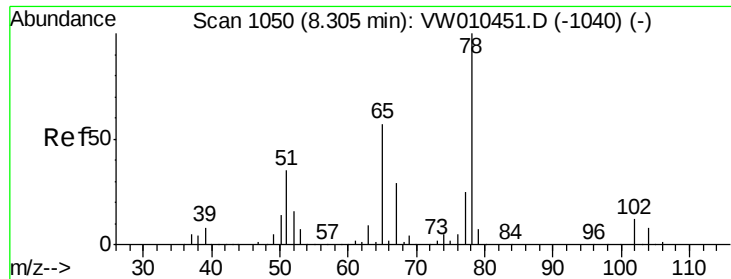


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

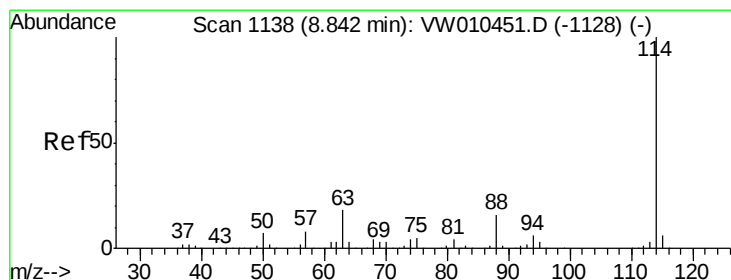
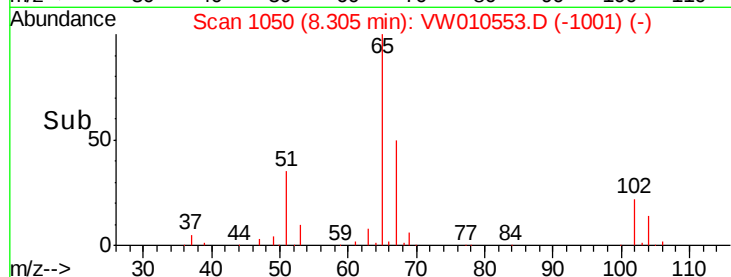
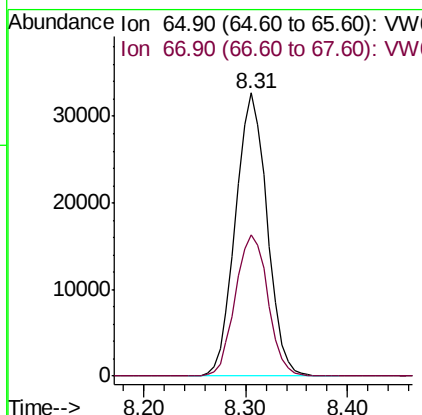
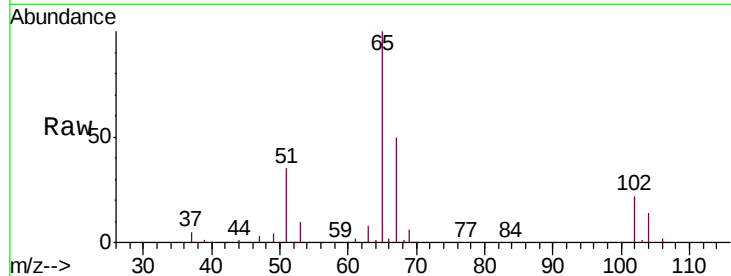




#33
 1,2-Dichloroethane-d4
 Concen: 57.854 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW010553.D
 Acq: 24 May 2019 16:27

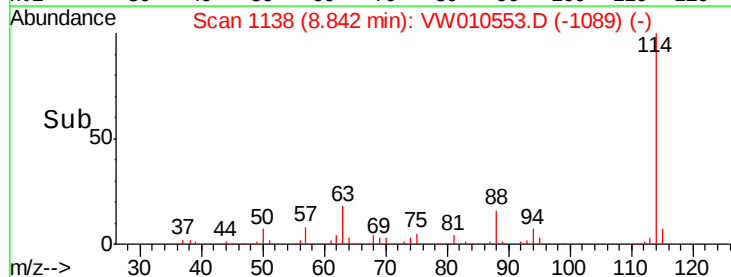
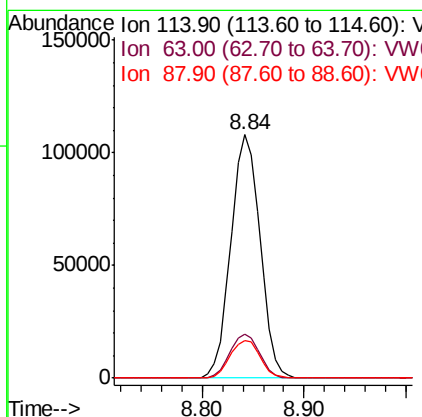
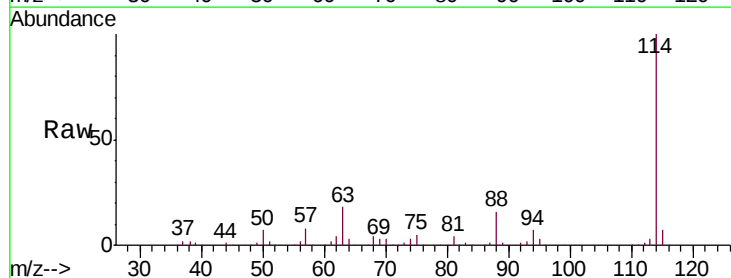
Instrument :
 MSVOA_W
 ClientSampleId :
 CR-SOIL-PILE

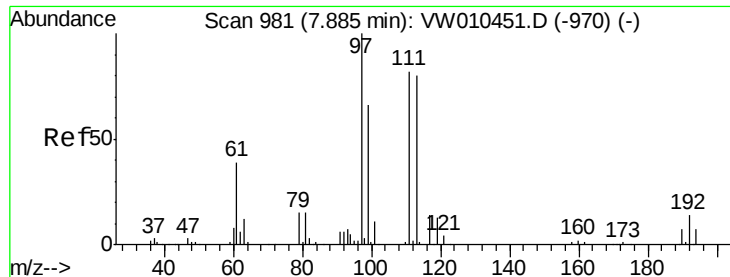
Tgt Ion: 65 Resp: 70419
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010553.D
 Acq: 24 May 2019 16:27

Tgt Ion: 114 Resp: 213691
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 36.0
 88 15.6 0.0 32.0

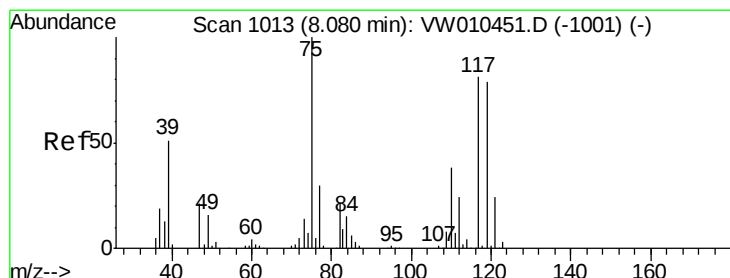
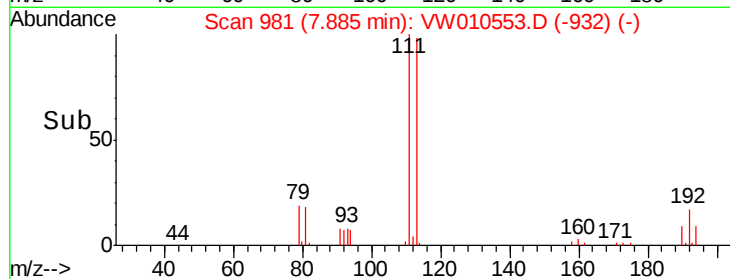
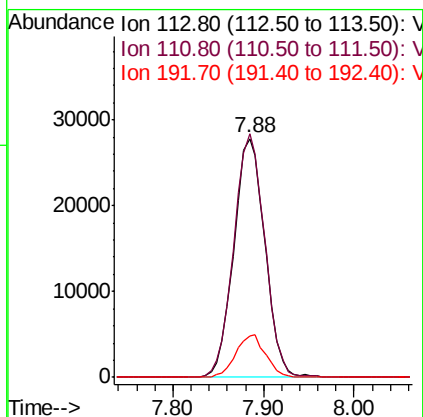
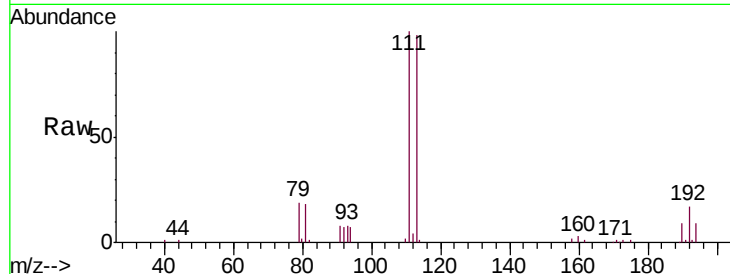




#35
 Dibromofluoromethane
 Concen: 51.039 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW010553.D
 Acq: 24 May 2019 16:27

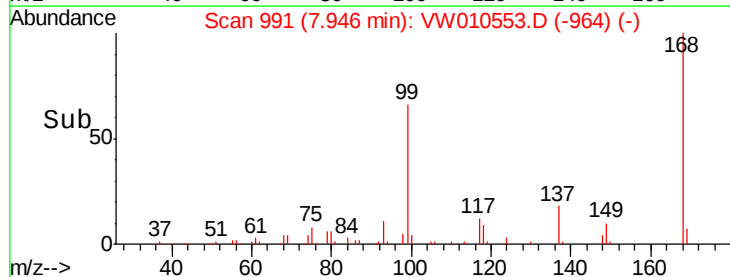
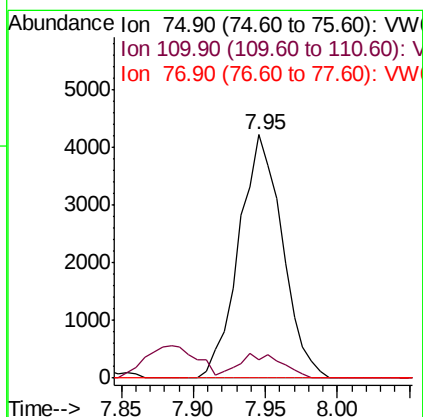
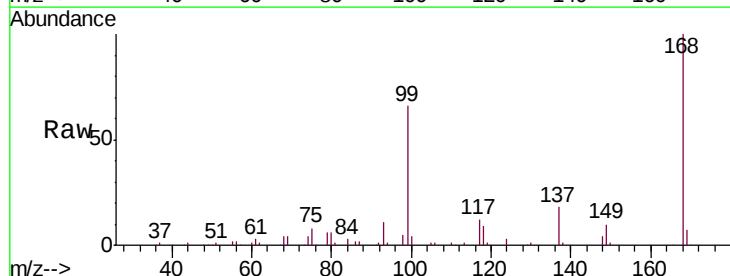
Instrument :
 MSVOA_W
 ClientSampleId :
 CR-SOIL-PILE

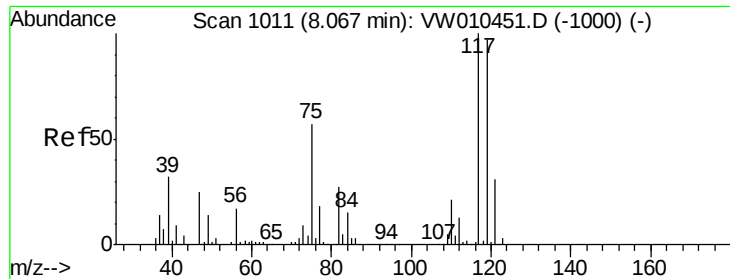
Tgt Ion:113 Resp: 66179
 Ion Ratio Lower Upper
 113 100
 111 101.7 82.2 123.4
 192 17.0 14.3 21.5



#36
 1,1-Dichloropropene
 Concen: 4.431 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010553.D
 Acq: 24 May 2019 16:27

Tgt Ion: 75 Resp: 8820
 Ion Ratio Lower Upper
 75 100
 110 9.8 19.2 57.6#
 77 0.0 25.2 37.8#





#38

Carbon Tetrachloride

Concen: 5.893 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW010553.D

Acq: 24 May 2019 16:27

Instrument :

MSVOA_W

ClientSampleId :

CR-SOIL-PILE

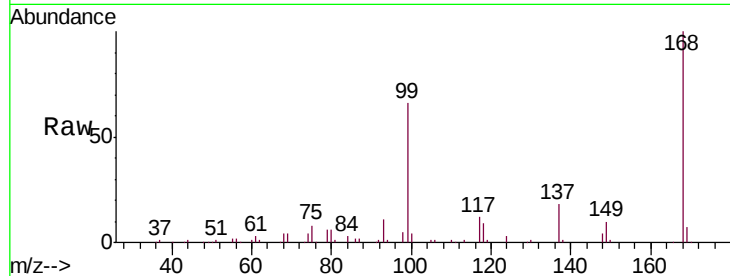
Tgt Ion: 117 Resp: 12655

Ion Ratio Lower Upper

117 100

119 4.5 77.4 116.0#

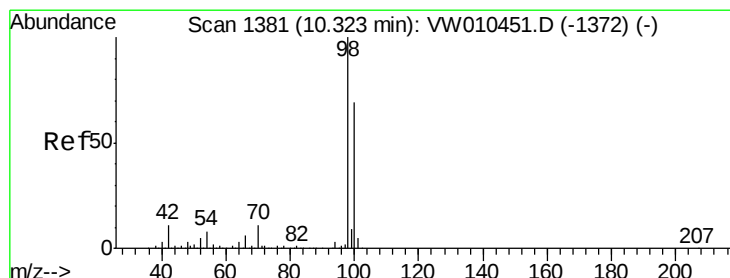
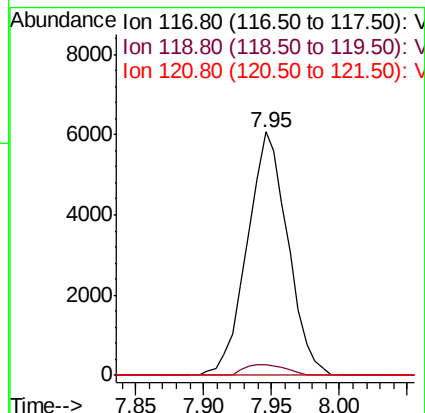
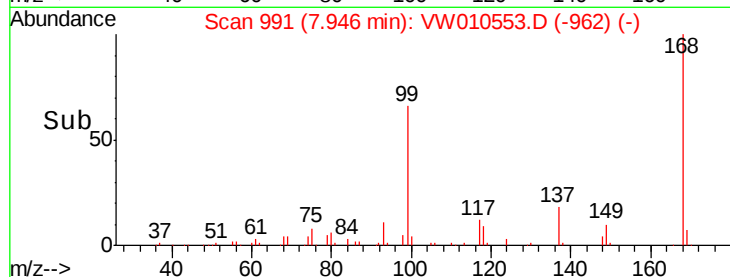
121 0.0 25.0 37.6#



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: 52.634 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW010553.D

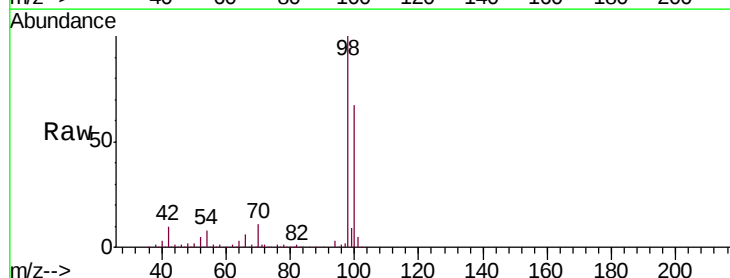
Acq: 24 May 2019 16:27

Tgt Ion: 98 Resp: 260720

Ion Ratio Lower Upper

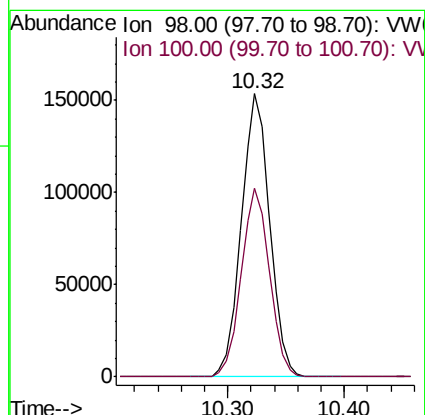
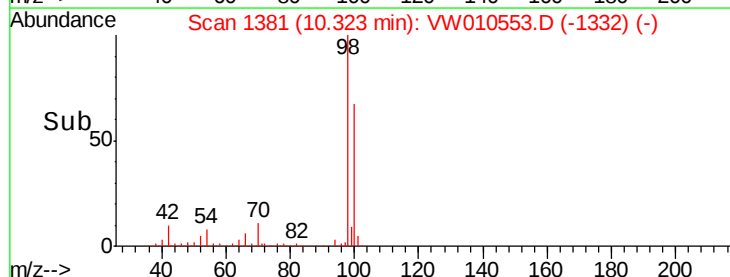
98 100

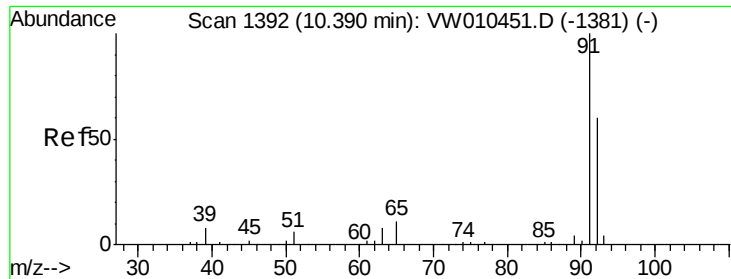
100 66.6 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 2.036 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010553.D

Acq: 24 May 2019 16:27

Instrument :

MSVOA_W

ClientSampleId :

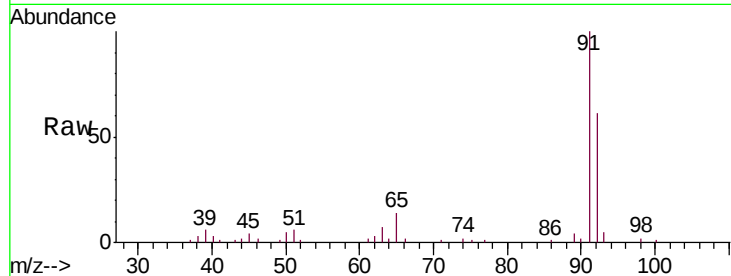
CR-SOIL-PILE

Tgt Ion: 92 Resp: 7565

Ion Ratio Lower Upper

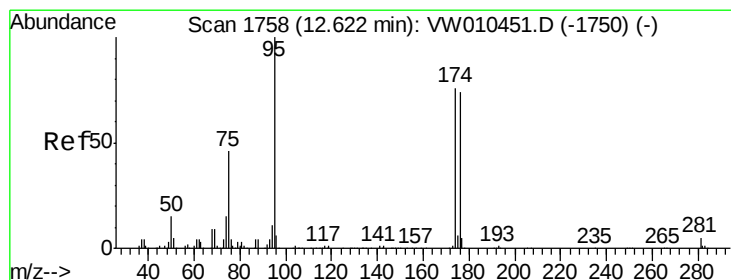
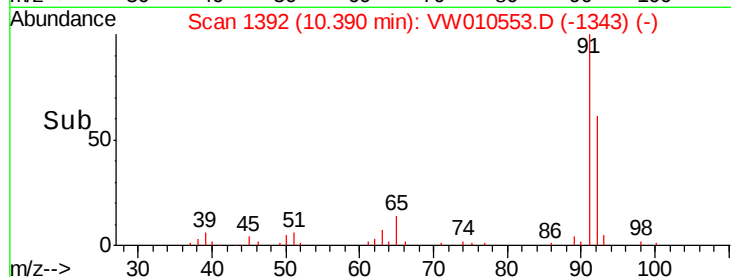
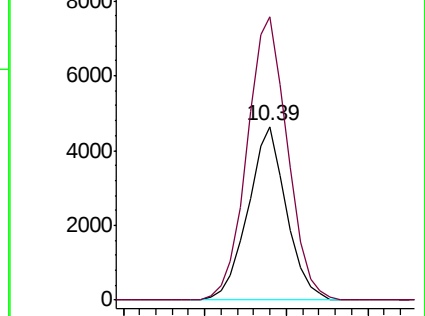
92 100

91 171.6 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW



#62

4-Bromofluorobenzene

Concen: 49.329 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW010553.D

Acq: 24 May 2019 16:27

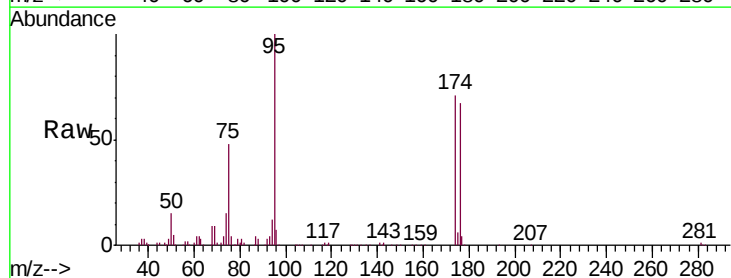
Tgt Ion: 95 Resp: 97327

Ion Ratio Lower Upper

95 100

174 69.7 0.0 148.6

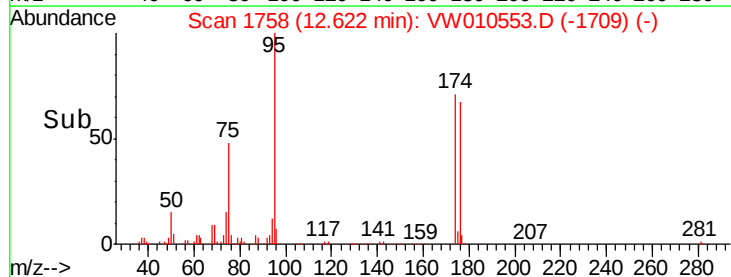
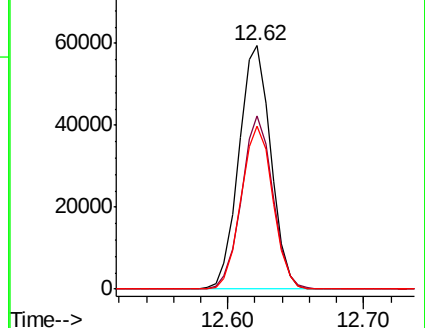
176 66.7 0.0 144.2

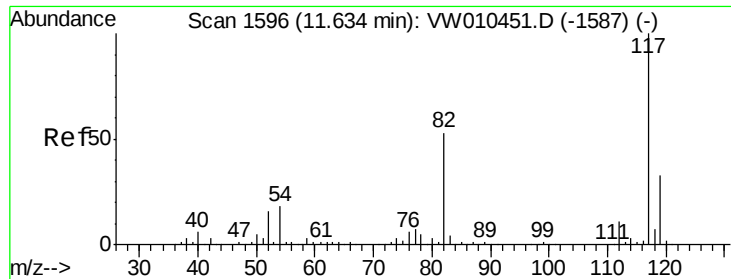


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

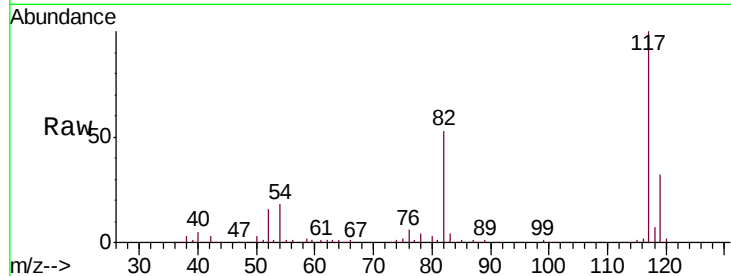




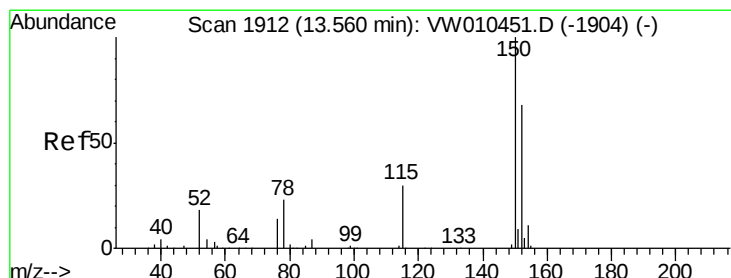
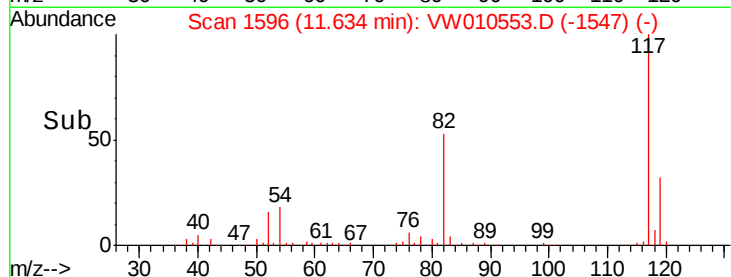
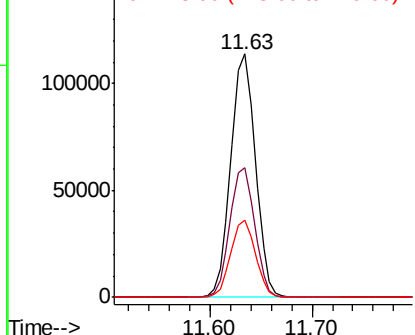
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010553.D
Acq: 24 May 2019 16:27

Instrument :
MSVOA_W
ClientSampleId :
CR-SOIL-PILE

Tgt Ion:117 Resp: 189928
Ion Ratio Lower Upper
117 100
82 53.5 42.8 64.2
119 31.9 26.3 39.5

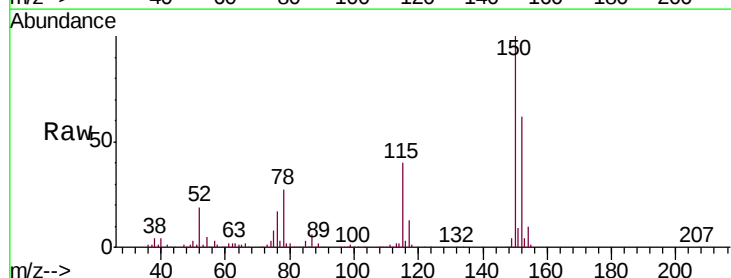


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

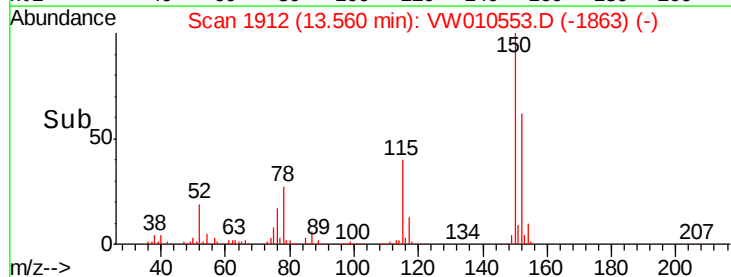
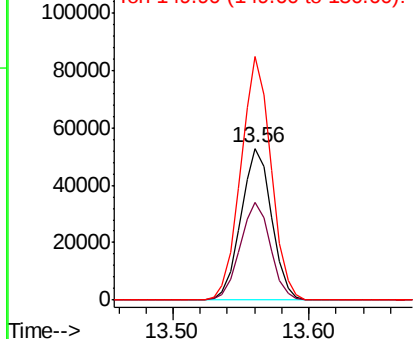


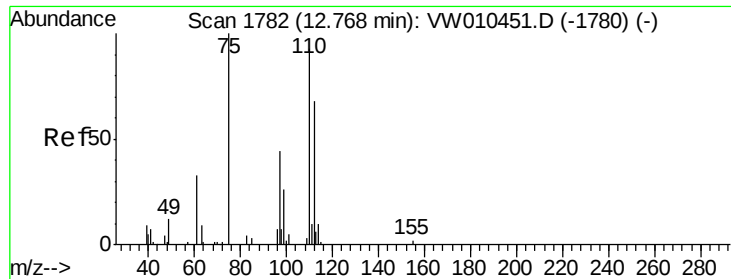
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW010553.D
Acq: 24 May 2019 16:27

Tgt Ion:152 Resp: 83192
Ion Ratio Lower Upper
152 100
115 63.6 30.3 91.0
150 157.9 0.0 349.8



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: 54.536 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010553.D

Acq: 24 May 2019 16:27

Instrument :

MSVOA_W

ClientSampleId :

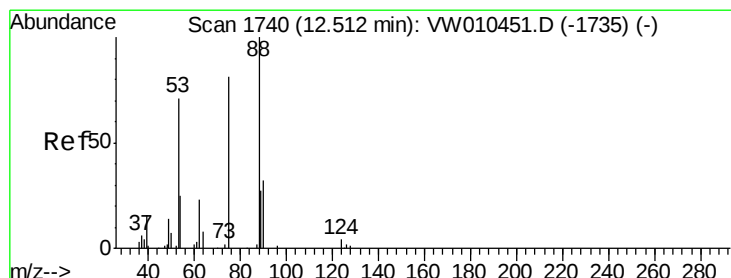
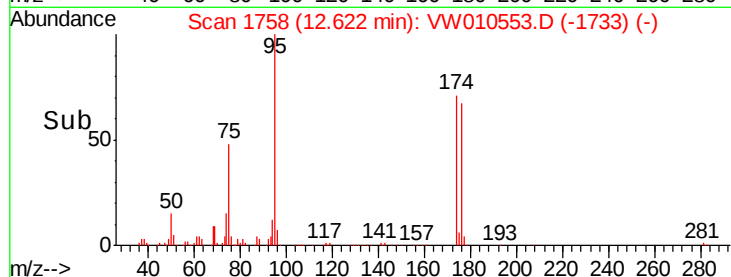
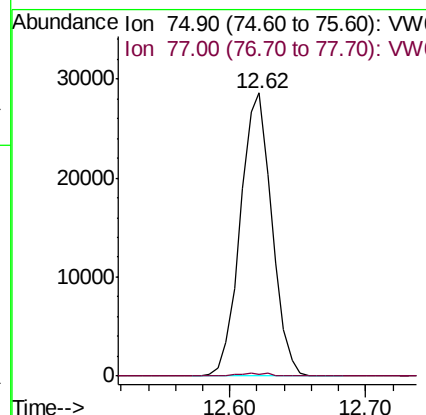
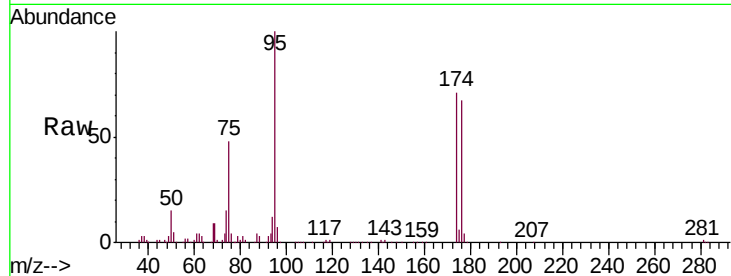
CR-SOIL-PILE

Tgt Ion: 75 Resp: 46053

Ion Ratio Lower Upper

75 100

77 1.0 170.0 510.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 113.818 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010553.D

Acq: 24 May 2019 16:27

Tgt Ion: 75 Resp: 46053

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.8#

89 0.1 39.5 59.3#

