

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW051518\
 Data File : VW002538.D
 Acq On : 15 May 2018 03:31
 Operator : JC/SY
 Sample : J2870-01
 Misc : 6.32G/5ML/MSVOA_W/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CONCRETE-RUBBLE-PILE-A

Quant Time: May 15 07:32:58 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W051518S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 03:32:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	61035	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	94925	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	82917	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	37676	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	29918	47.44	ug/l	0.00
Spiked Amount			Recovery	=	94.88%	
35) Dibromofluoromethane	7.88	113	22993	38.18	ug/l	0.00
Spiked Amount			Recovery	=	76.36%	
50) Toluene-d8	10.33	98	81649	35.64	ug/l	0.00
Spiked Amount			Recovery	=	71.28%	
62) 4-Bromofluorobenzene	12.63	95	27927	33.33	ug/l	0.00
Spiked Amount			Recovery	=	66.66%	

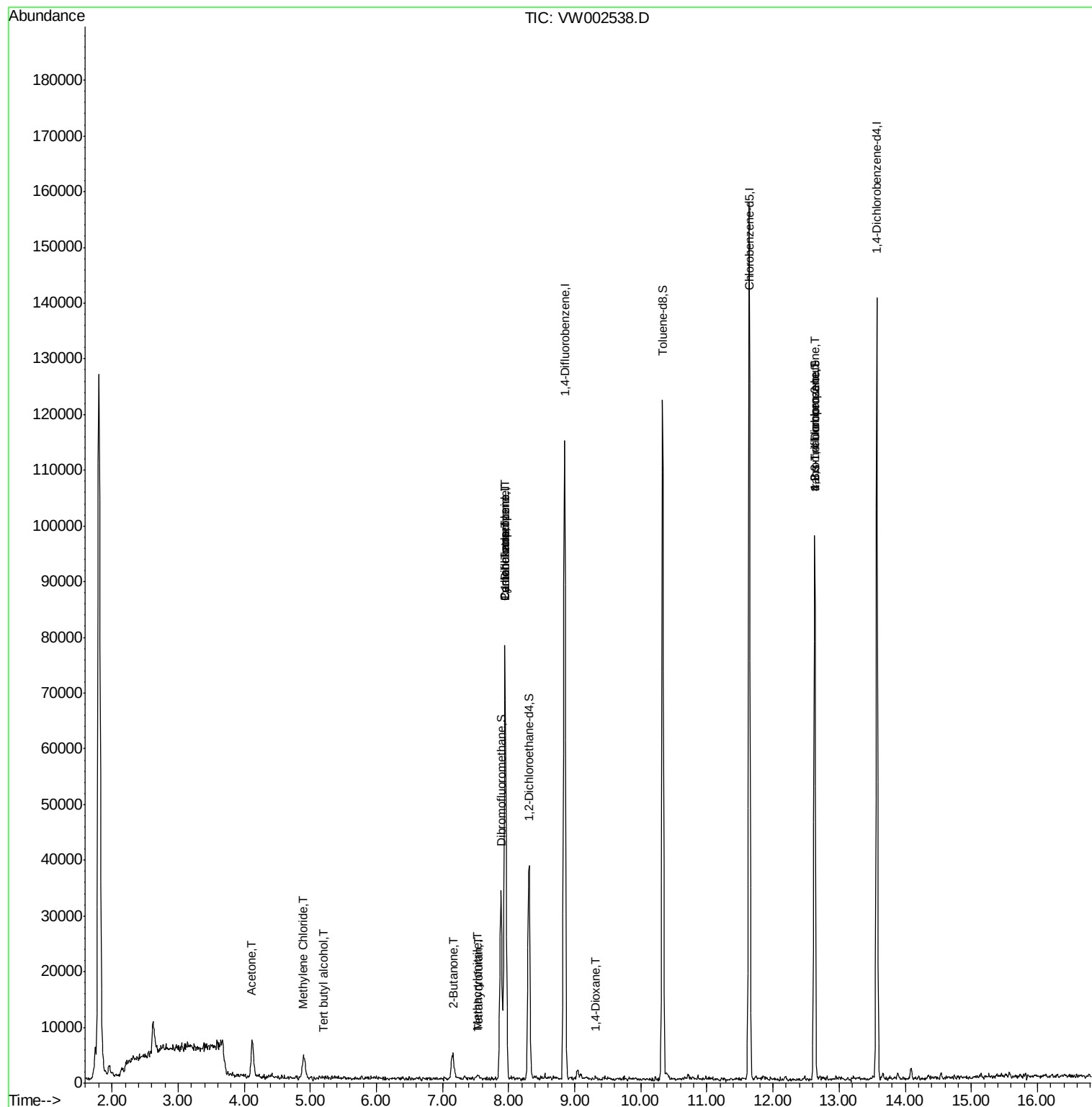
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	203	4.19	ug/l	99
16) Acetone	4.12	43	11206	84.16	ug/l	98
20) Methylene Chloride	4.90	84	2781	2.64	ug/l #	82
25) 2-Butanone	7.16	43	519	2.76	ug/l #	49
29) Tetrahydrofuran	7.54	42	316	2.69	ug/l #	40
31) Cyclohexane	7.95	56	1575	1.76	ug/l #	18
36) 1,1-Dichloropropene	7.95	75	4629	5.53	ug/l #	52
38) Carbon Tetrachloride	7.95	117	5817	7.09	ug/l #	16
41) Methacrylonitrile	7.54	41	350	1.51	ug/l #	36
49) 1,4-Dioxane	9.31	88	46	7.91	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	14483	40.67	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	14483	110.88	ug/l #	8

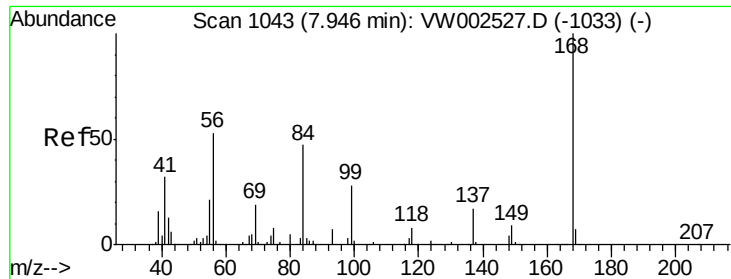
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VW002538.D

Acq: 15 May 2018 03:31

Instrument :

MSVOA_W

ClientSampleId :

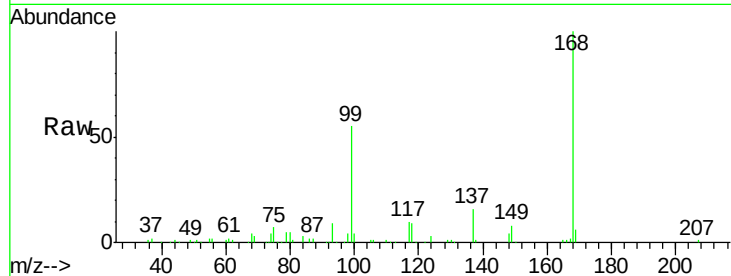
CONCRETE-RUBBLE-PILE-A

Tgt Ion:168 Resp: 61035

Ion Ratio Lower Upper

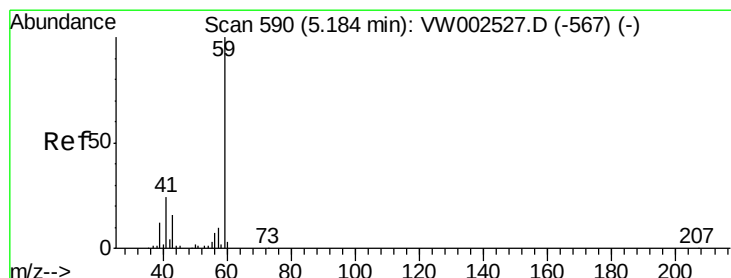
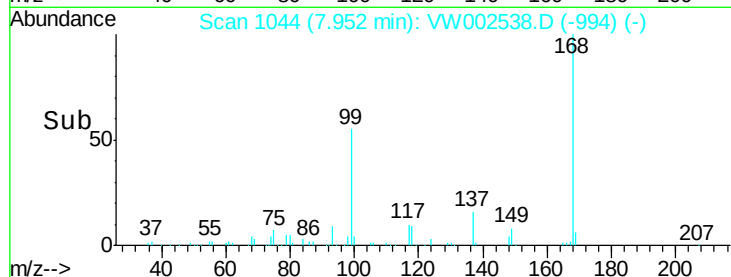
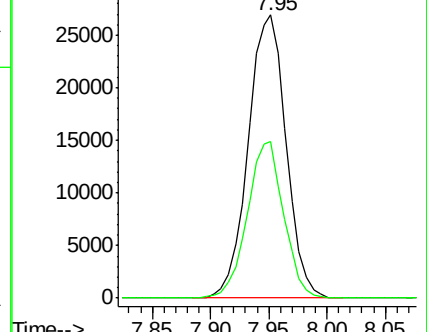
168 100

99 55.4 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 4.19 ug/l

RT: 5.20 min Scan# 593

Delta R.T. 0.02 min

Lab File: VW002538.D

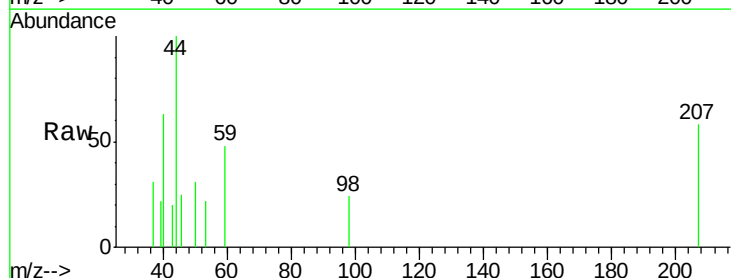
Acq: 15 May 2018 03:31

Tgt Ion: 59 Resp: 203

Ion Ratio Lower Upper

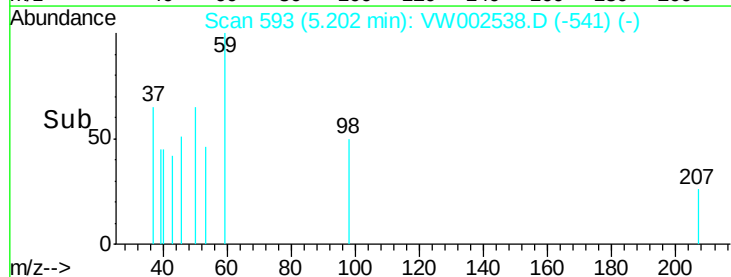
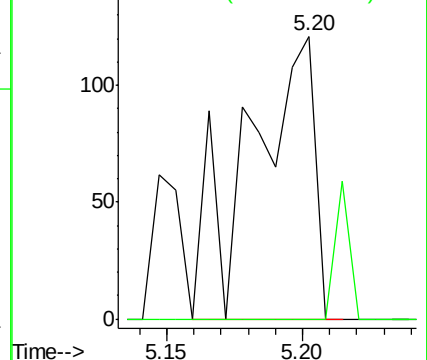
59 100

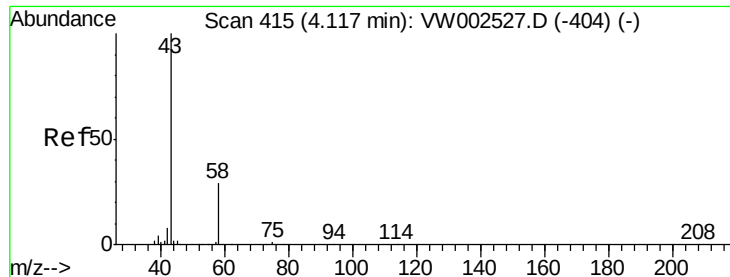
57 10.8 8.2 12.4



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 84.16 ug/l

RT: 4.12 min Scan# 415

Delta R.T. -0.00 min

Lab File: VW002538.D

Acq: 15 May 2018 03:31

Instrument :

MSVOA_W

ClientSampleId :

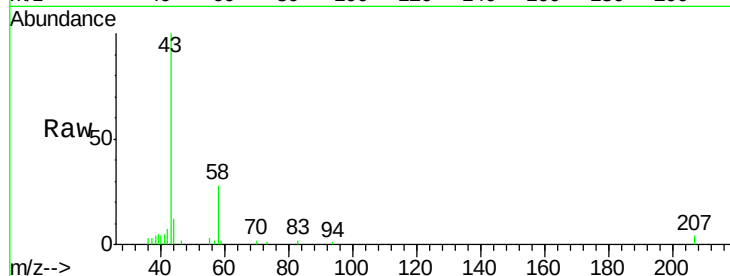
CONCRETE-RUBBLE-PILE-A

Tgt Ion: 43 Resp: 11206

Ion Ratio Lower Upper

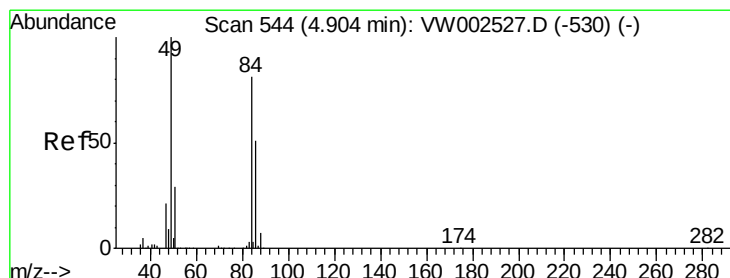
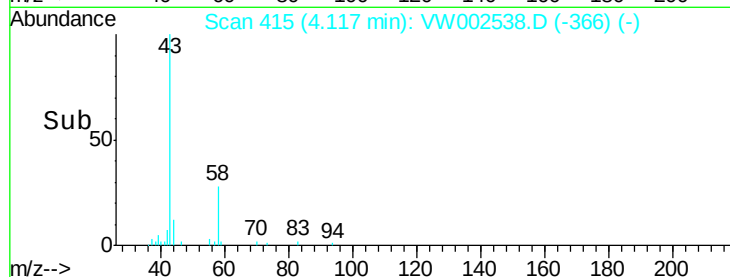
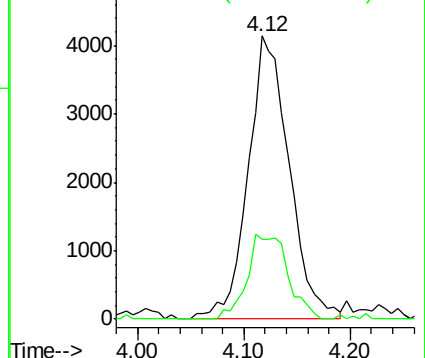
43 100

58 28.1 23.4 35.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 2.64 ug/l

RT: 4.90 min Scan# 543

Delta R.T. -0.01 min

Lab File: VW002538.D

Acq: 15 May 2018 03:31

Tgt Ion: 84 Resp: 2781

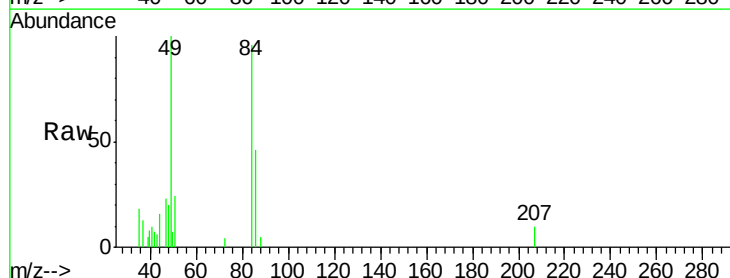
Ion Ratio Lower Upper

84 100

49 104.4 99.4 149.0

51 25.1 29.0 43.6#

86 48.3 50.3 75.5#

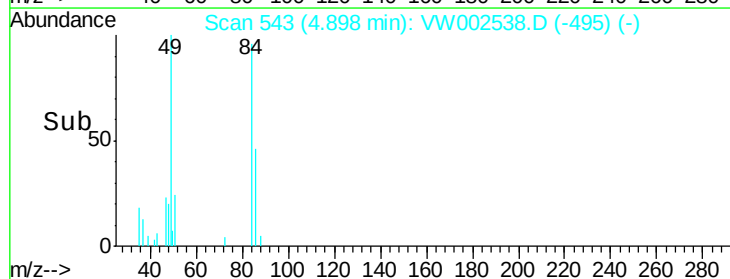
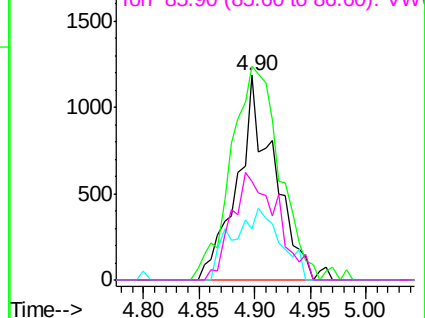


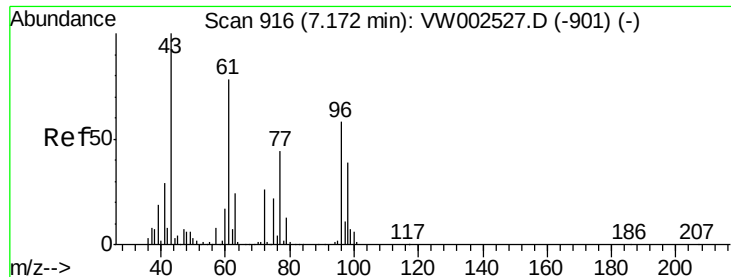
Abundance Ion 83.90 (83.60 to 84.60): VW

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: 2.76 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW002538.D

Acq: 15 May 2018 03:31

Instrument :

MSVOA_W

ClientSampleId :

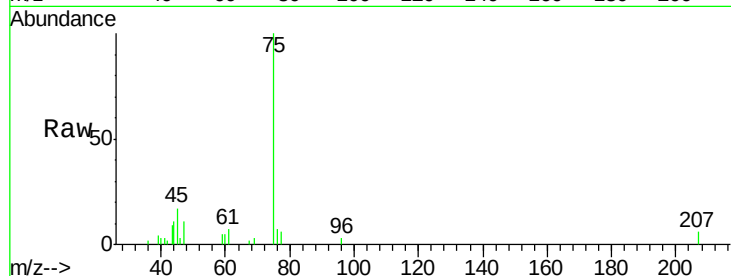
CONCRETE-RUBBLE-PILE-A

Tgt Ion: 43 Resp: 519

Ion Ratio Lower Upper

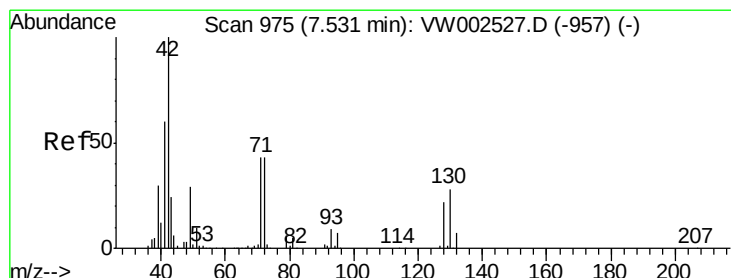
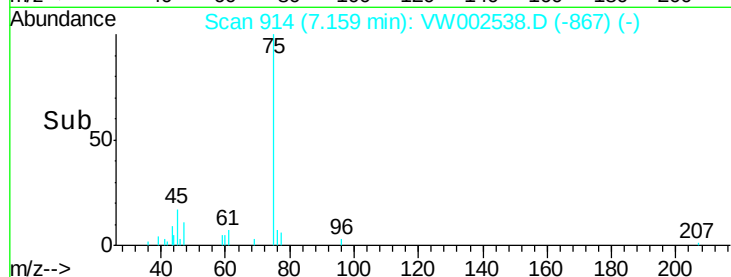
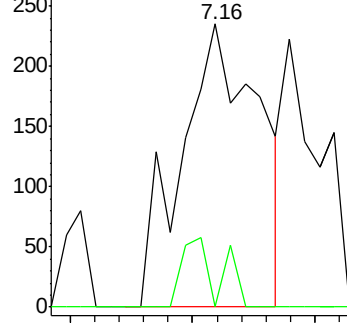
43 100

72 0.0 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#29

Tetrahydrofuran

Concen: 2.69 ug/l

RT: 7.54 min Scan# 977

Delta R.T. 0.01 min

Lab File: VW002538.D

Acq: 15 May 2018 03:31

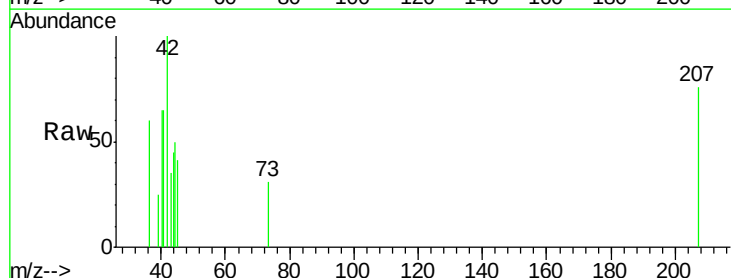
Tgt Ion: 42 Resp: 316

Ion Ratio Lower Upper

42 100

72 8.2 35.0 52.4#

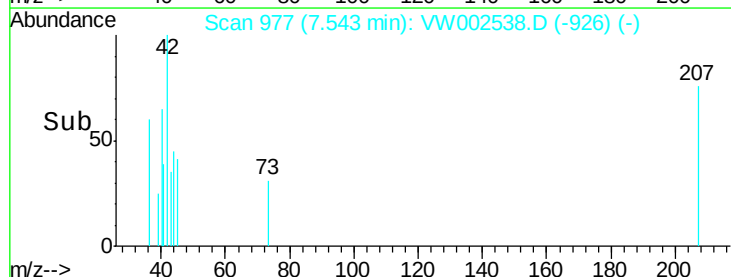
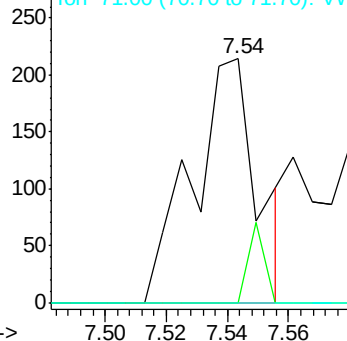
71 0.0 33.0 49.6#

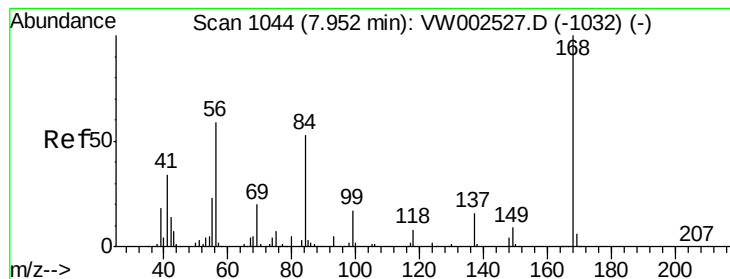


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.76 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW002538.D

Acq: 15 May 2018 03:31

Instrument :

MSVOA_W

ClientSampleId :

CONCRETE-RUBBLE-PILE-A

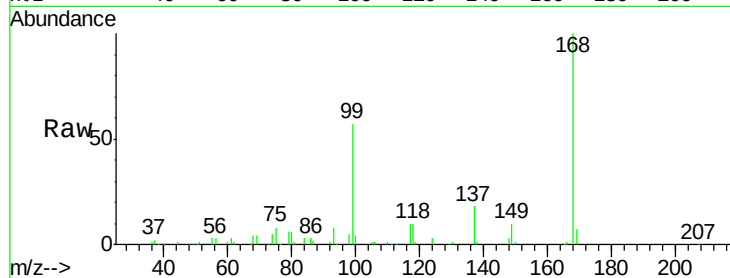
Tgt Ion: 56 Resp: 1575

Ion Ratio Lower Upper

56 100

69 153.4 27.0 40.4#

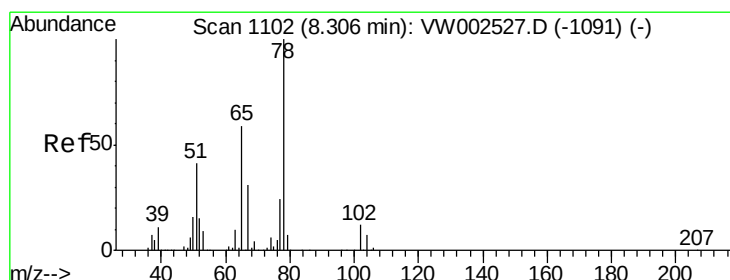
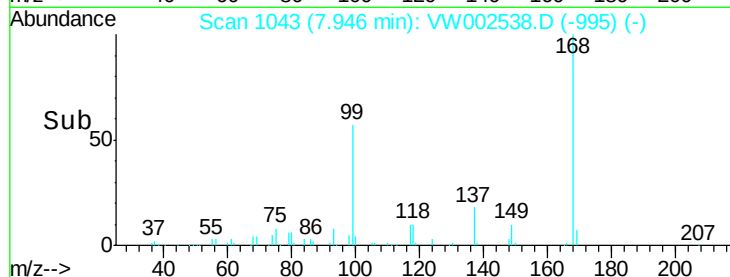
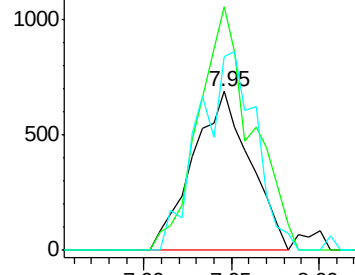
84 121.9 72.2 108.2#



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: 47.44 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VW002538.D

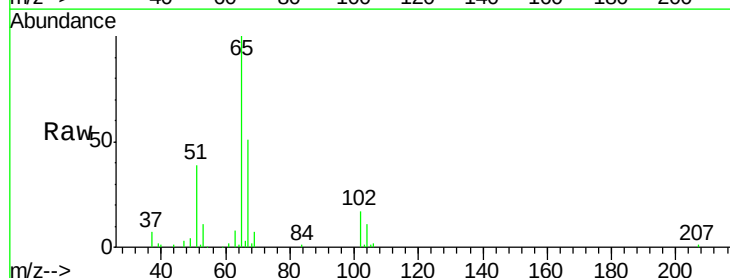
Acq: 15 May 2018 03:31

Tgt Ion: 65 Resp: 29918

Ion Ratio Lower Upper

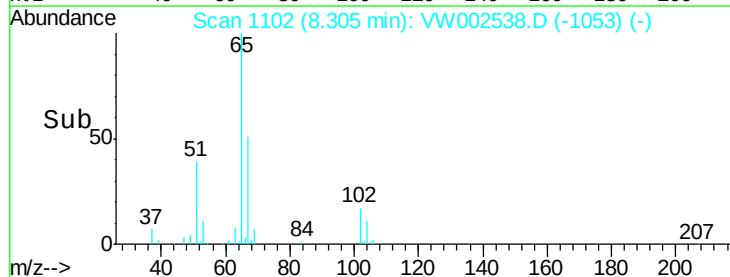
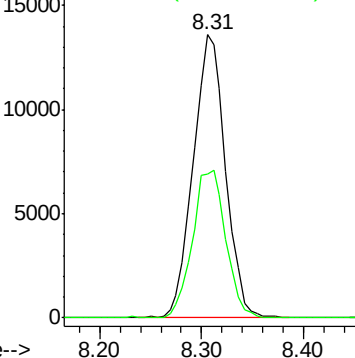
65 100

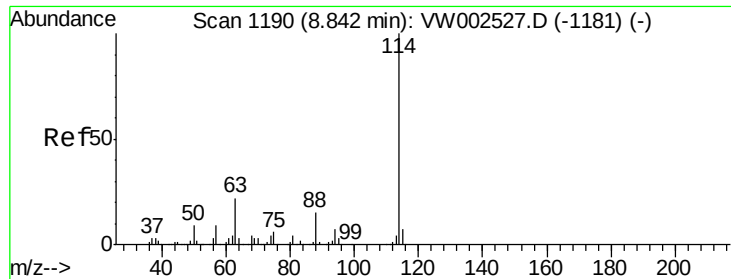
67 53.7 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

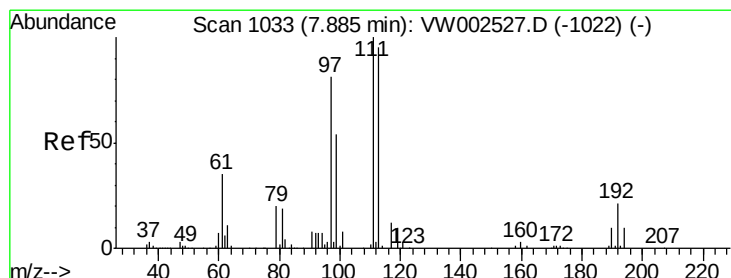
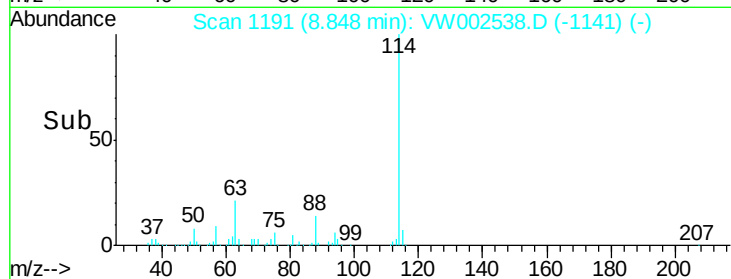
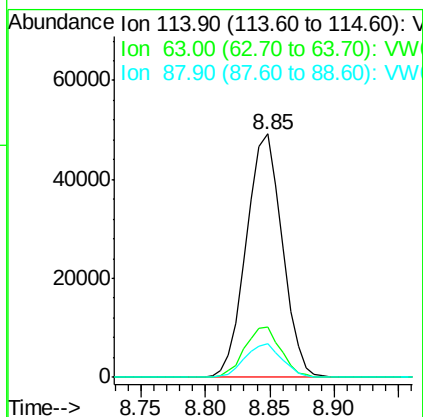
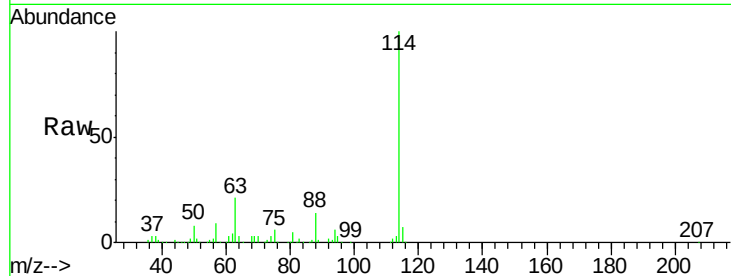




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.01 min
 Lab File: VW002538.D
 Acq: 15 May 2018 03:31

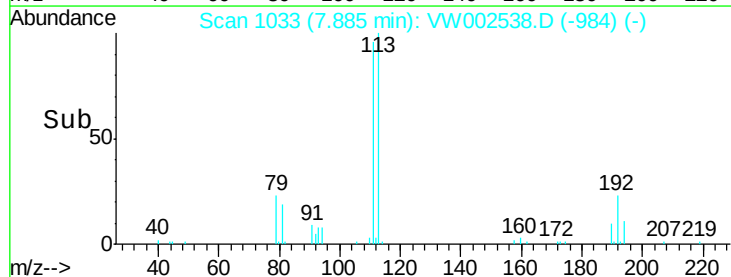
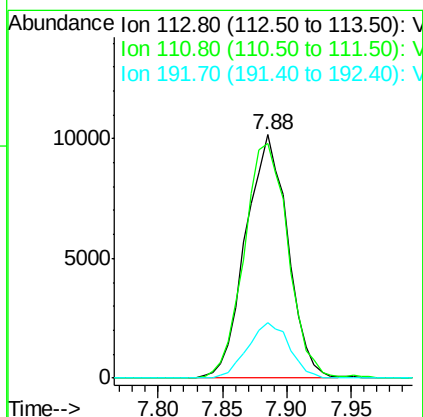
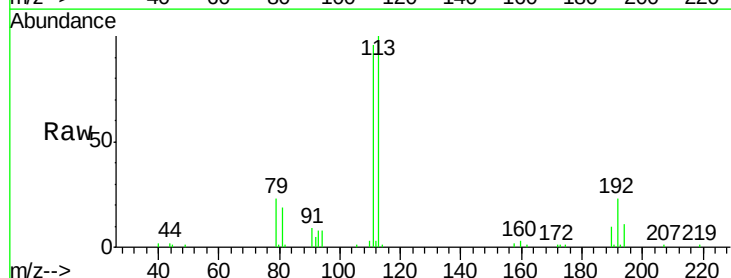
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 MSVOA_W
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 CONCRETE-RUBBLE-PILE-A

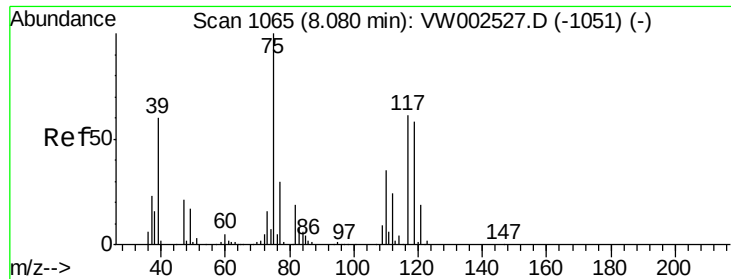
Tgt Ion:114 Resp: 94925
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 43.2
 88 14.1 0.0 29.2



#35
 Dibromofluoromethane
 Concen: 38.18 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW002538.D
 Acq: 15 May 2018 03:31

Tgt Ion:113 Resp: 22993
 Ion Ratio Lower Upper
 113 100
 111 100.7 81.8 122.8
 192 22.5 17.5 26.3

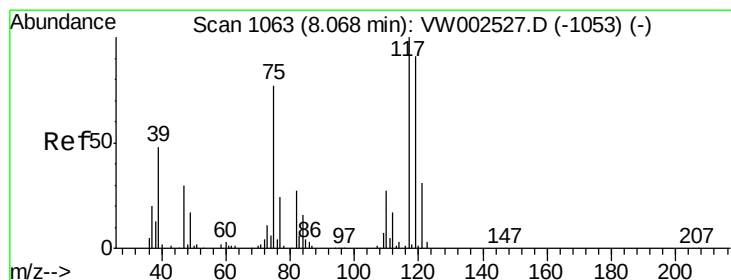
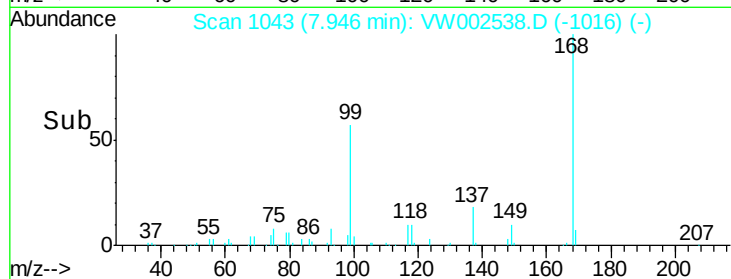
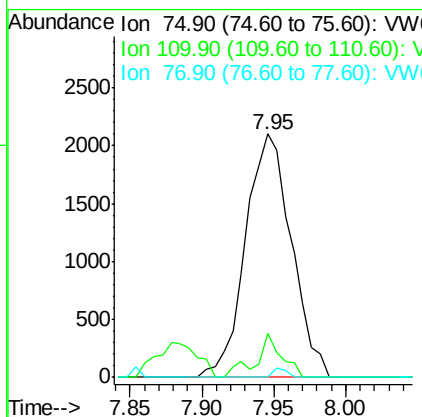
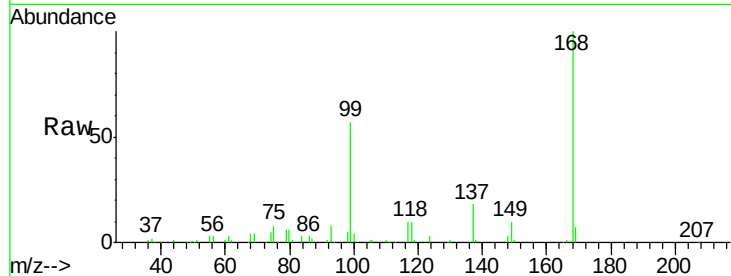




#36
 1,1-Dichloropropene
 Concen: 5.53 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.13 min
 Lab File: VW002538.D
 Acq: 15 May 2018 03:31

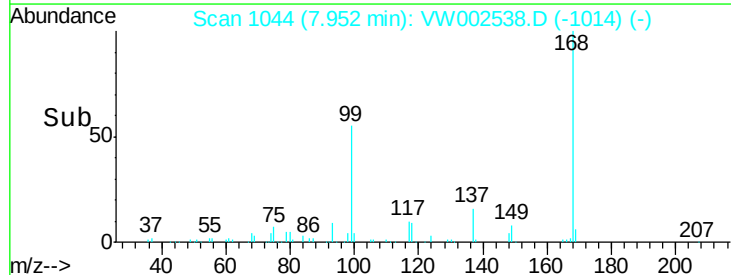
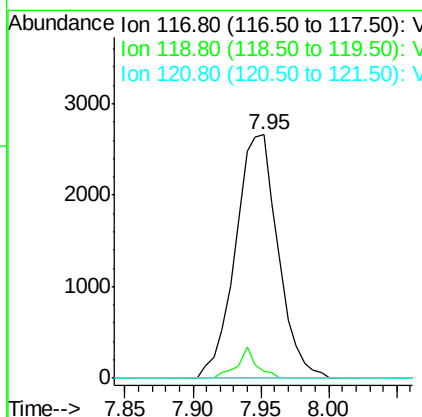
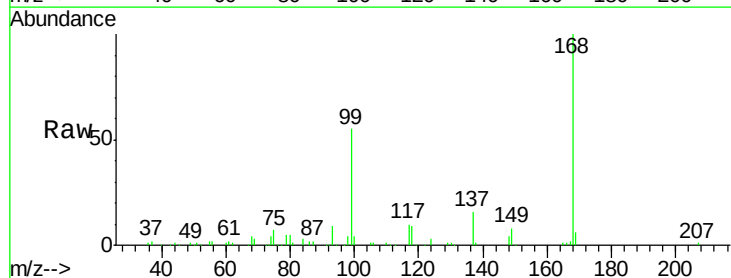
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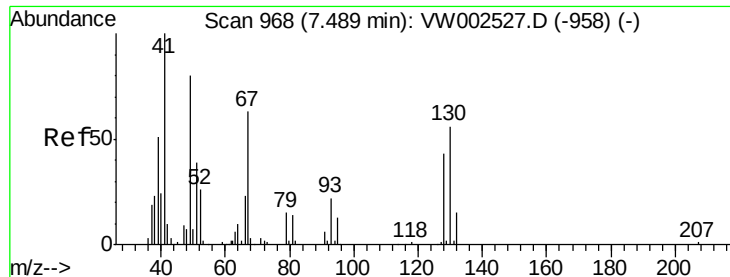
Tgt Ion: 75 Resp: 4629
 Ion Ratio Lower Upper
 75 100
 110 10.1 17.8 53.5#
 77 1.1 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 7.09 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.12 min
 Lab File: VW002538.D
 Acq: 15 May 2018 03:31

Tgt Ion: 117 Resp: 5817
 Ion Ratio Lower Upper
 117 100
 119 2.8 73.1 109.7#
 121 0.0 24.4 36.6#

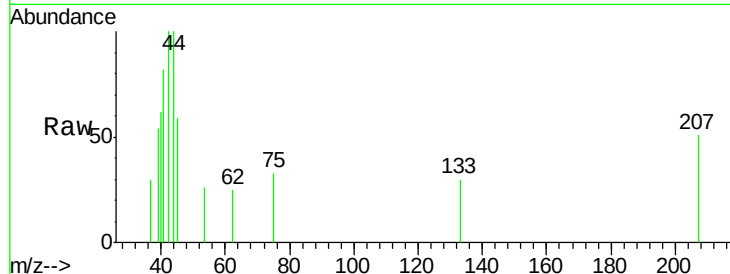




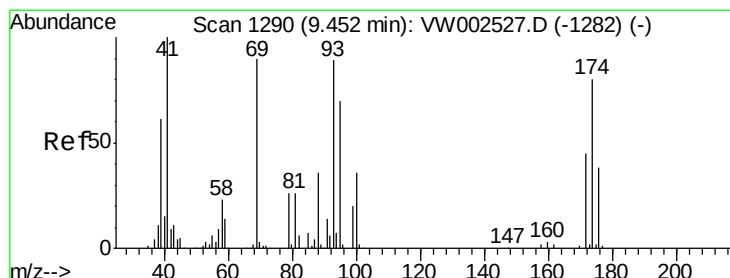
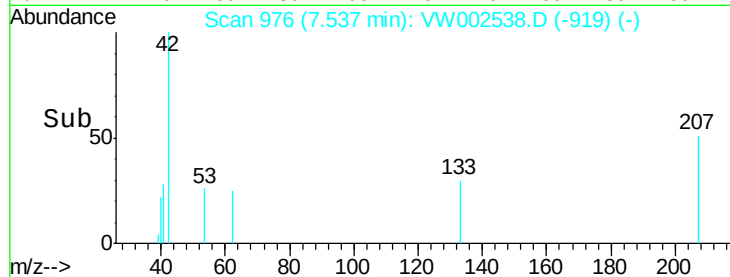
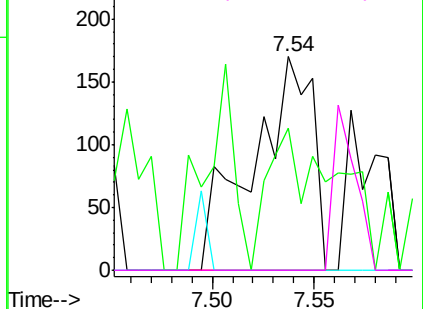
#41
Methacrylonitrile
Concen: 1.51 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.05 min
Lab File: VW002538.D
Acq: 15 May 2018 03:31

Instrument :
MSVOA_W
ClientSampleId :
CONCRETE-RUBBLE-PILE-A

Tgt Ion: 41 Resp: 350
Ion Ratio Lower Upper
41 100
39 34.3 51.8 77.8#
67 0.0 59.9 89.9#
52 0.0 26.6 39.8#

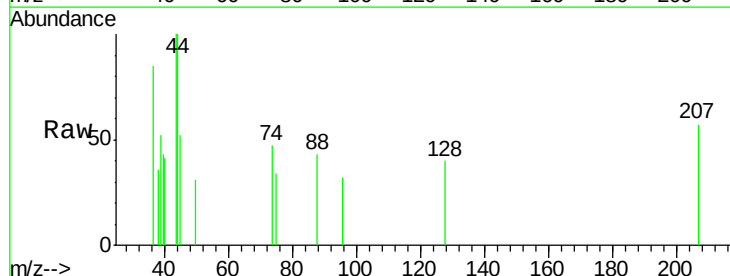


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

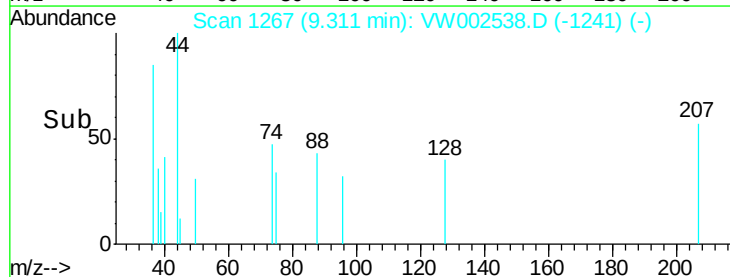
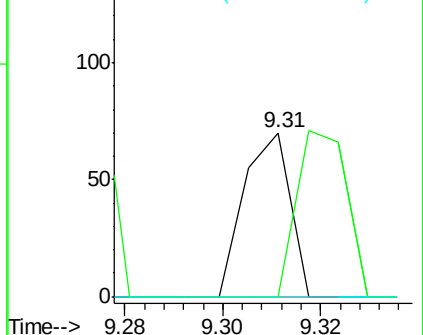


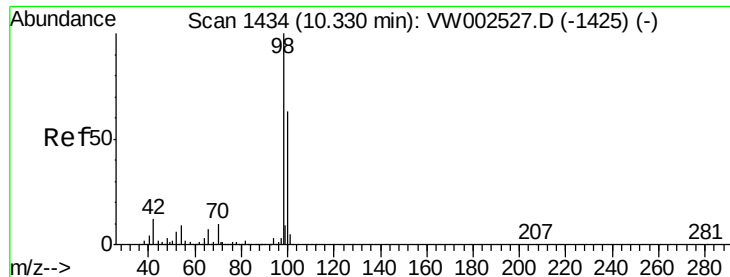
#49
1,4-Dioxane
Concen: 7.91 ug/l
RT: 9.31 min Scan# 1267
Delta R.T. -0.14 min
Lab File: VW002538.D
Acq: 15 May 2018 03:31

Tgt Ion: 88 Resp: 46
Ion Ratio Lower Upper
88 100
43 108.7 27.0 40.4#
58 0.0 56.9 85.3#



Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 35.64 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW002538.D

Acq: 15 May 2018 03:31

Instrument :

MSVOA_W

ClientSampleId :

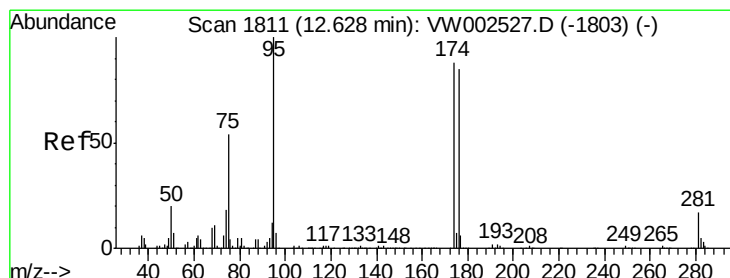
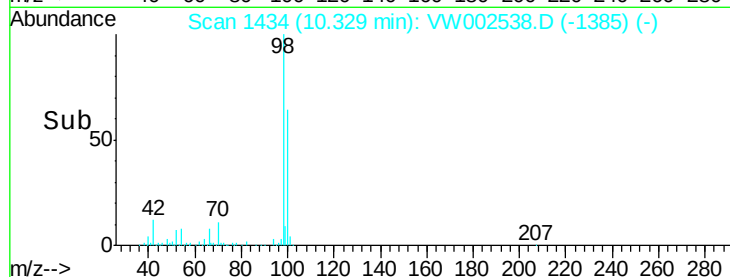
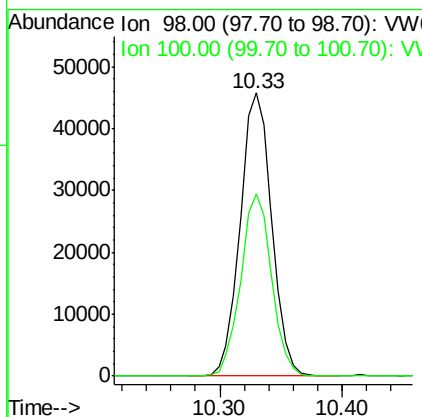
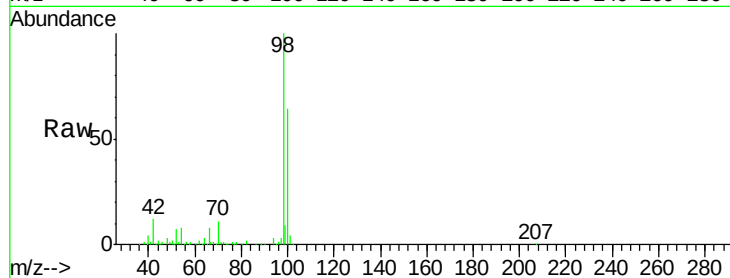
CONCRETE-RUBBLE-PILE-A

Tgt Ion: 98 Resp: 81649

Ion Ratio Lower Upper

98 100

100 63.0 51.0 76.4



#62

4-Bromofluorobenzene

Concen: 33.33 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW002538.D

Acq: 15 May 2018 03:31

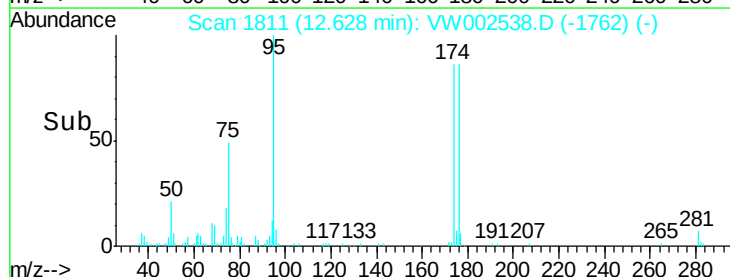
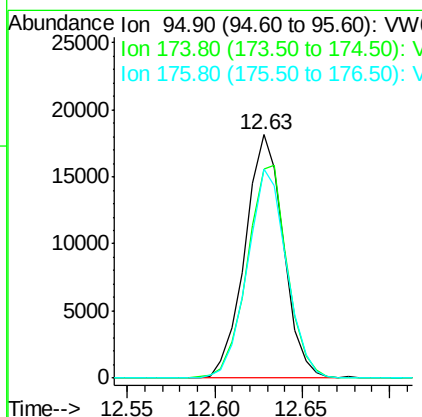
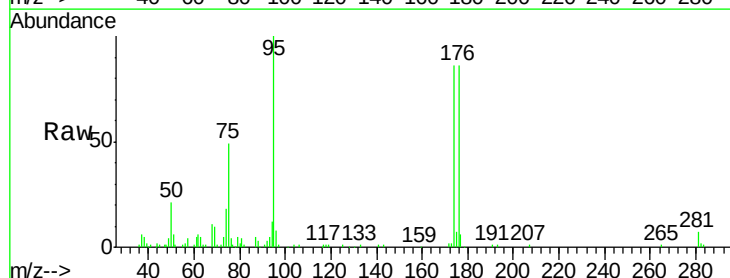
Tgt Ion: 95 Resp: 27927

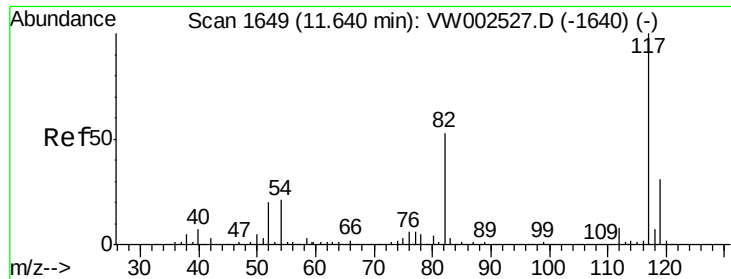
Ion Ratio Lower Upper

95 100

174 90.6 0.0 176.6

176 87.1 0.0 172.2

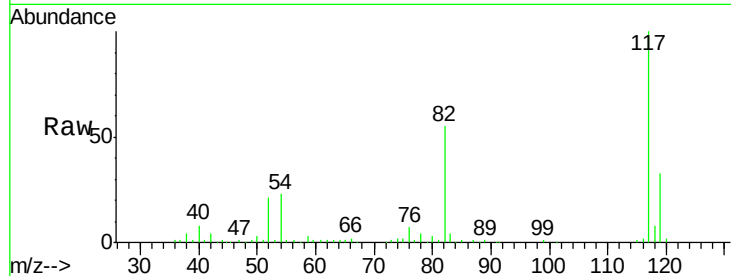




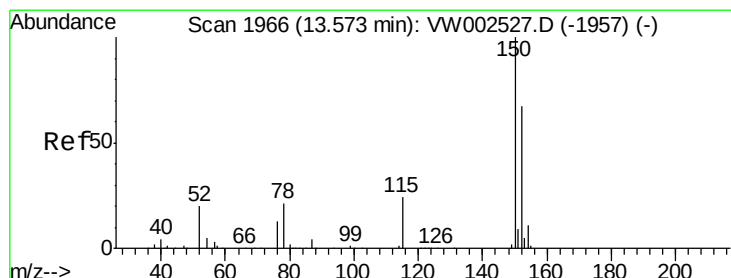
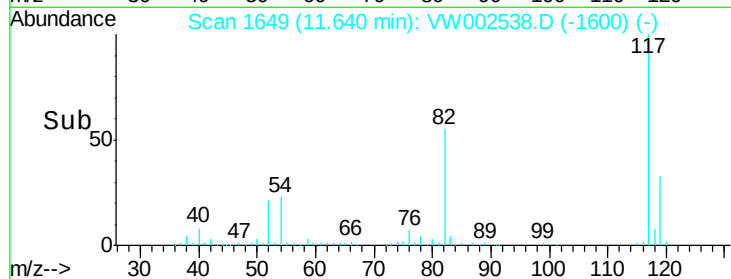
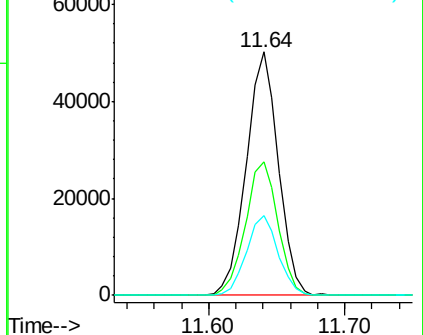
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW002538.D
Acq: 15 May 2018 03:31

Instrument :
MSVOA_W
ClientSampleId :
CONCRETE-RUBBLE-PILE-A

Tgt Ion:117 Resp: 82917
Ion Ratio Lower Upper
117 100
82 55.1 42.6 64.0
119 32.7 25.0 37.6

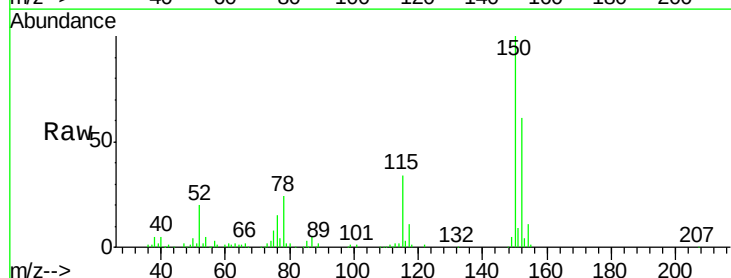


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

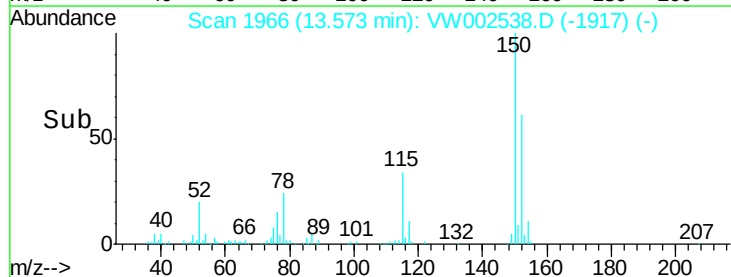
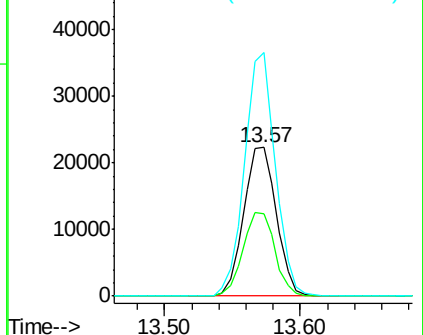


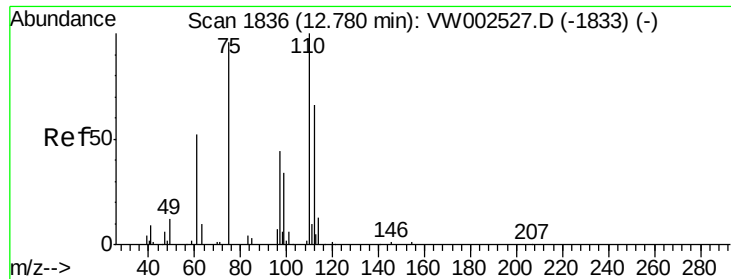
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1966
Delta R.T. -0.00 min
Lab File: VW002538.D
Acq: 15 May 2018 03:31

Tgt Ion:152 Resp: 37676
Ion Ratio Lower Upper
152 100
115 55.0 28.0 84.0
150 153.6 0.0 345.4



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: 40.67 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW002538.D

Acq: 15 May 2018 03:31

Instrument :

MSVOA_W

ClientSampleId :

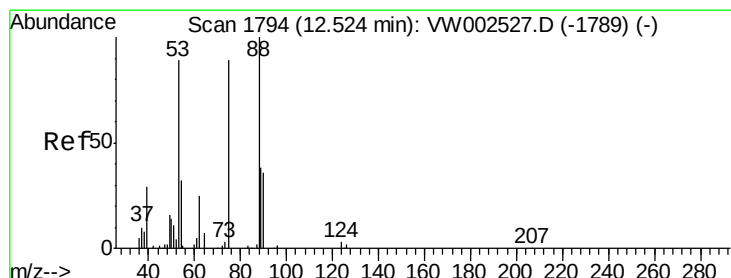
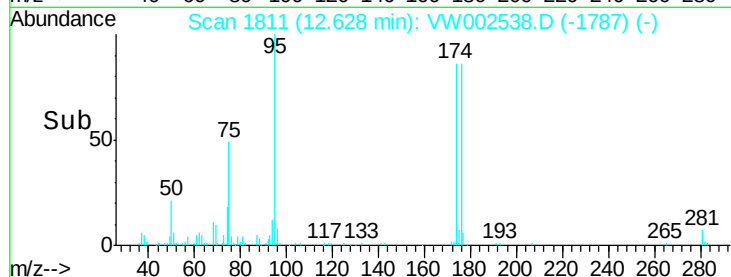
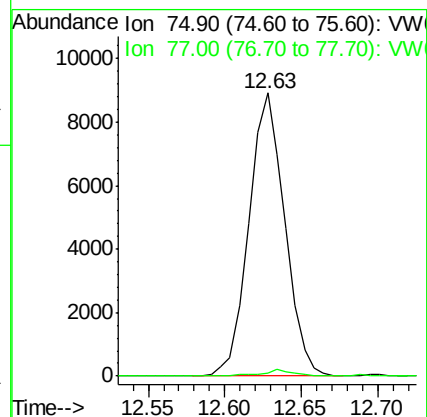
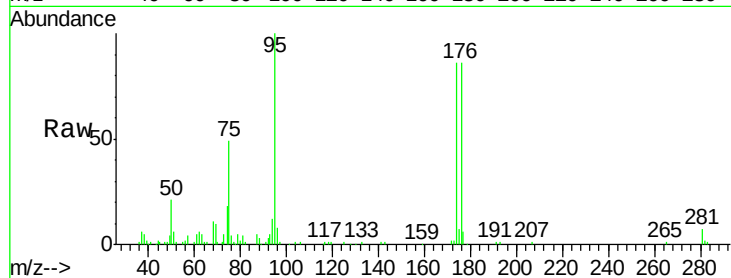
CONCRETE-RUBBLE-PILE-A

Tgt Ion: 75 Resp: 14483

Ion Ratio Lower Upper

75 100

77 2.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 110.88 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.10 min

Lab File: VW002538.D

Acq: 15 May 2018 03:31

Tgt Ion: 75 Resp: 14483

Ion Ratio Lower Upper

75 100

53 0.2 82.6 124.0#

89 0.0 39.2 58.8#

