

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW041819\
 Data File : VW010057.D
 Acq On : 18 Apr 2019 20:41
 Operator : SY/VA
 Sample : K2472-01
 Misc : 7.51G/5ML/MSVOA_W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EXCAVATION-NEWARK-SOUTH-PIL

Quant Time: Apr 19 01:58:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 11:26:35 2019
 Response via : Initial Calibration

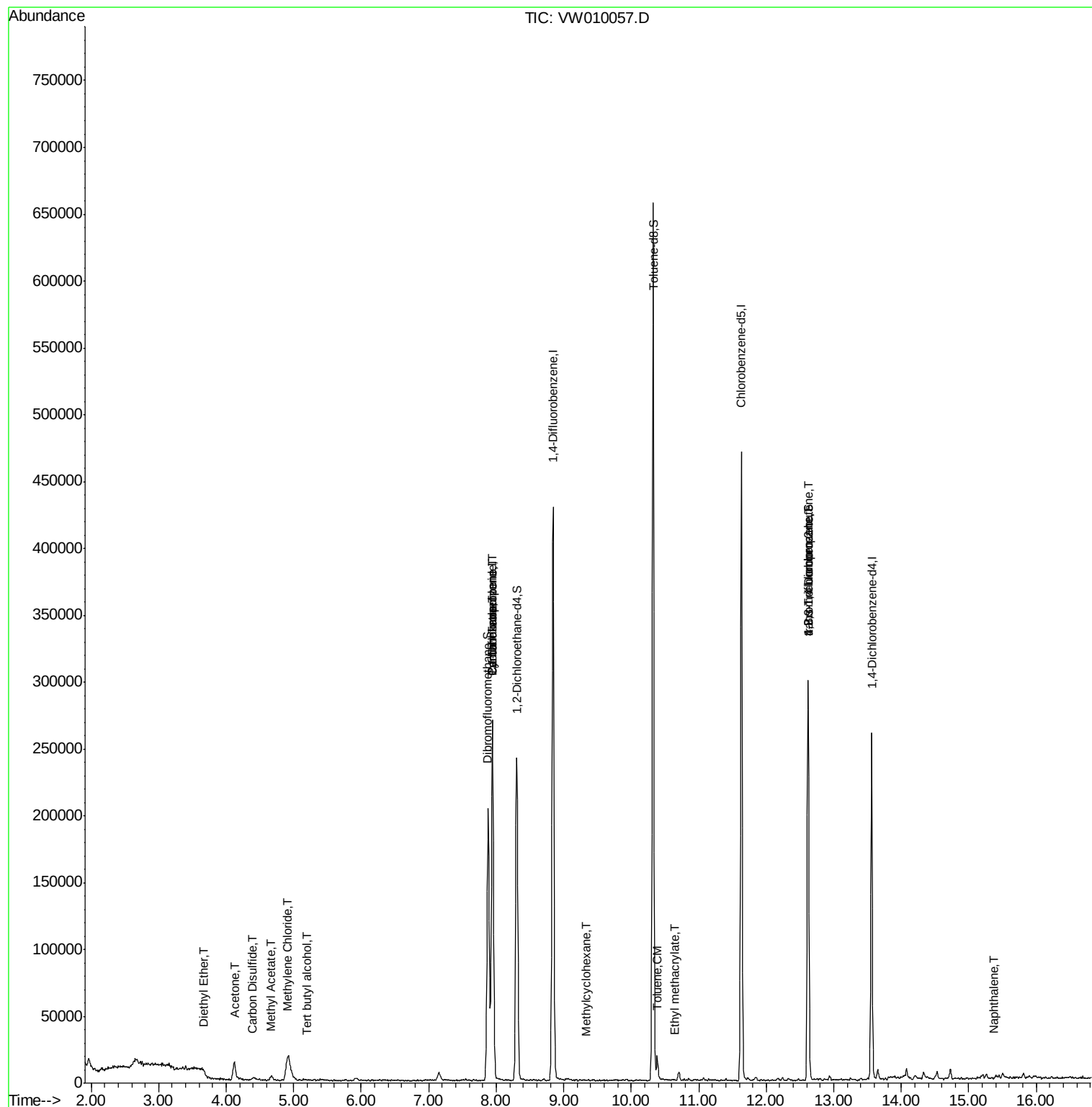
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	184919	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	327023	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	246084	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	61453	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	191241	83.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	167.60%	
35) Dibromofluoromethane	7.88	113	142624	68.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	137.20%	
50) Toluene-d8	10.32	98	398930	51.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.42%	
62) 4-Bromofluorobenzene	12.62	95	88810	31.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	62.72%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.67	74	1877	1.991	ug/l	90
11) Tert butyl alcohol	5.19	59	868	6.678	ug/l #	78
16) Acetone	4.13	43	23540	44.459	ug/l	98
17) Carbon Disulfide	4.38	76	190	1.373	ug/l #	74
18) Methyl Acetate	4.67	43	6445	5.259	ug/l	98
20) Methylene Chloride	4.91	84	18355	5.046	ug/l	98
31) Cyclohexane	7.94	56	5530	1.498	ug/l #	36
36) 1,1-Dichloropropene	7.95	75	17935	5.369	ug/l #	49
38) Carbon Tetrachloride	7.94	117	19743	6.056	ug/l #	17
39) Methylcyclohexane	9.34	83	112	1.224	ug/l #	60
52) Toluene	10.38	92	5931	1.042	ug/l	98
56) Ethyl methacrylate	10.65	69	48	2.660	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	49887	81.110	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	49887	191.254	ug/l #	6
95) Naphthalene	15.37	128	998	3.045	ug/l #	73

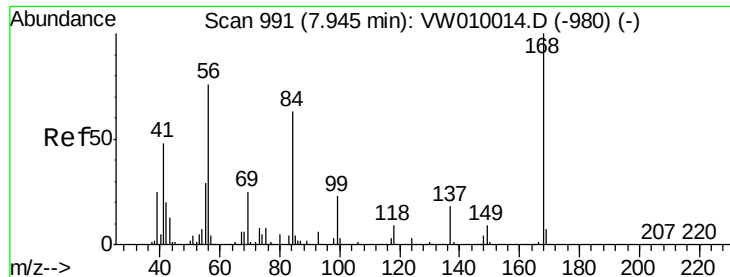
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW010057.D

Acq: 18 Apr 2019 20:41

Instrument :

MSVOA_W

ClientSampleId :

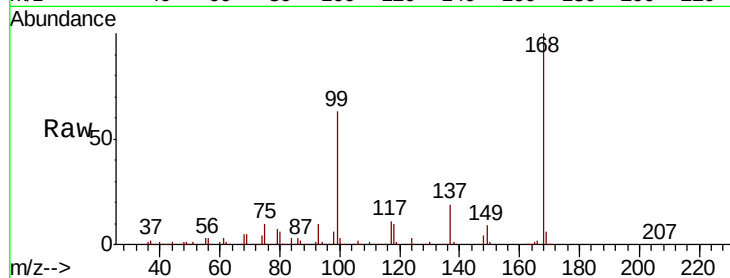
EXCAVATION-NEWARK-SOUTH-PIL

Tgt Ion:168 Resp: 184919

Ion Ratio Lower Upper

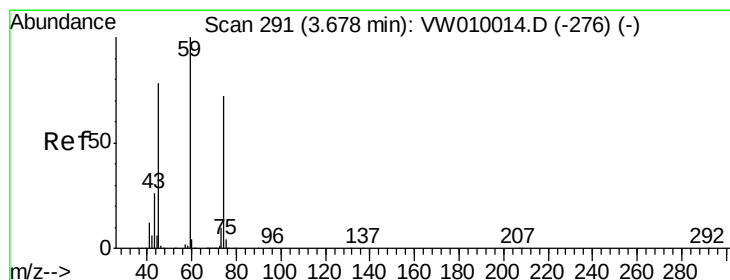
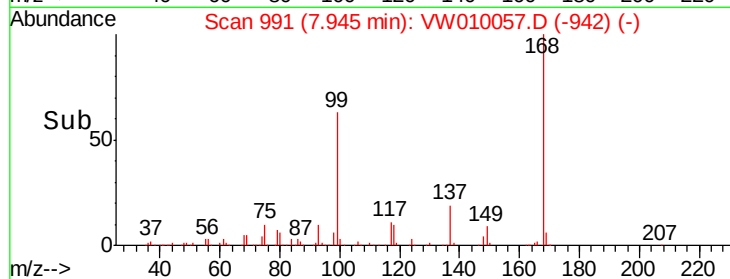
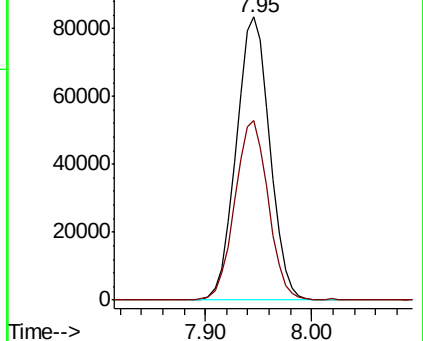
168 100

99 63.4 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.991 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW010057.D

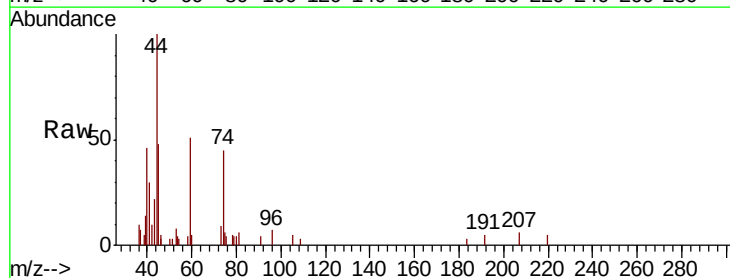
Acq: 18 Apr 2019 20:41

Tgt Ion: 74 Resp: 1877

Ion Ratio Lower Upper

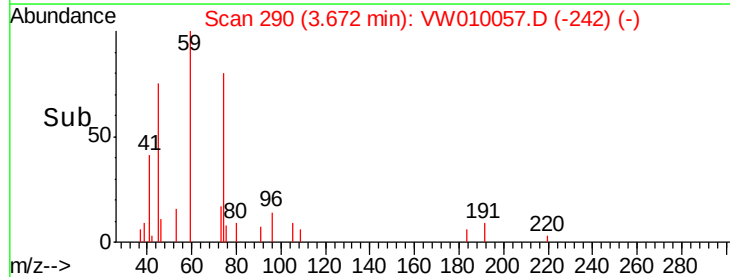
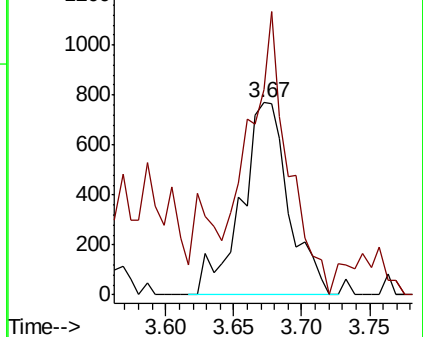
74 100

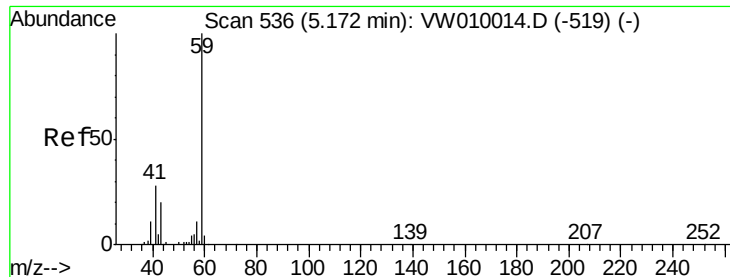
45 122.9 56.0 168.0



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

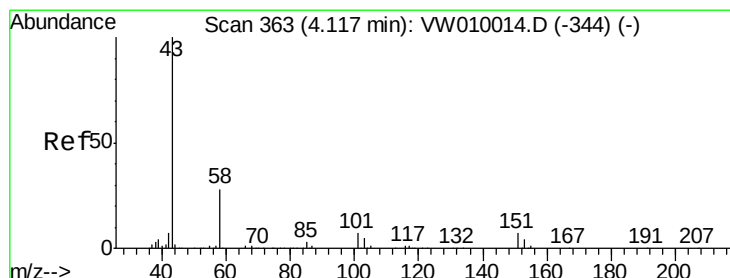
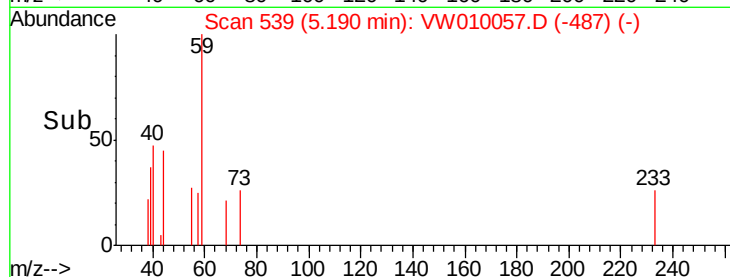
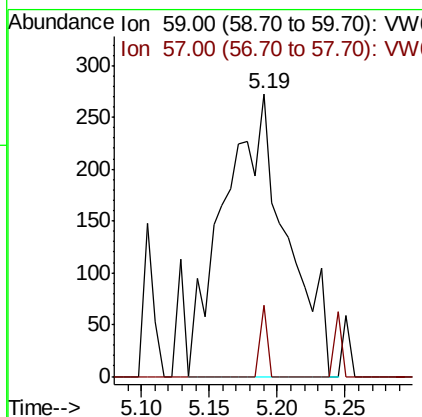
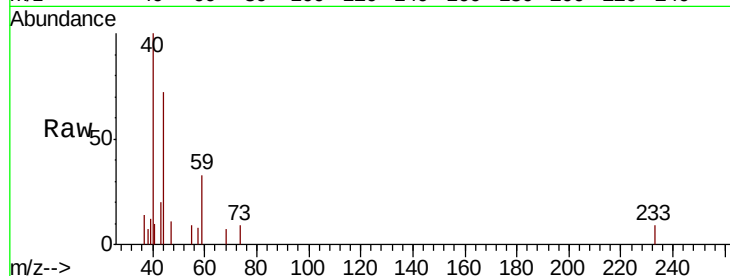




#11
Tert butyl alcohol
Concen: 6.678 ug/l
RT: 5.19 min Scan# 539
Delta R.T. 0.02 min
Lab File: VW010057.D
Acq: 18 Apr 2019 20:41

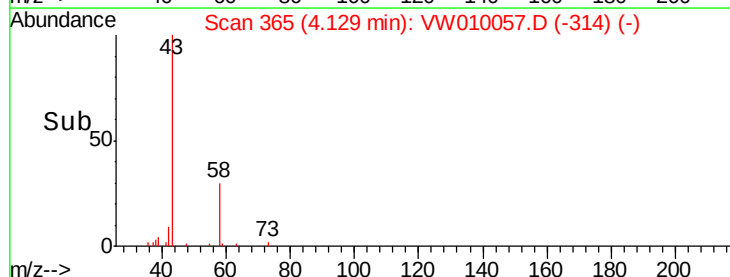
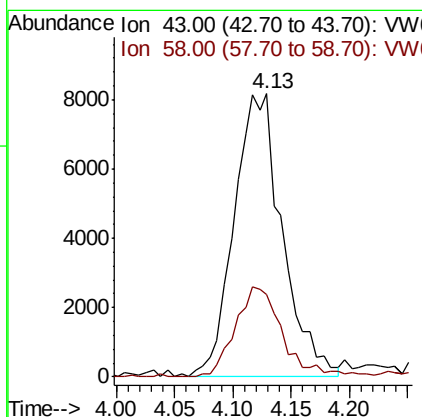
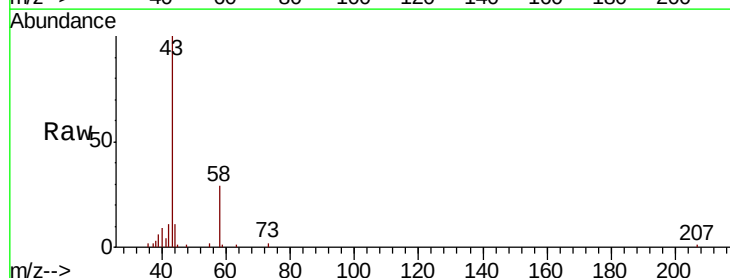
Instrument :
MSVOA_W
ClientSampleId :
EXCAVATION-NEWARK-SOUTH-PIL

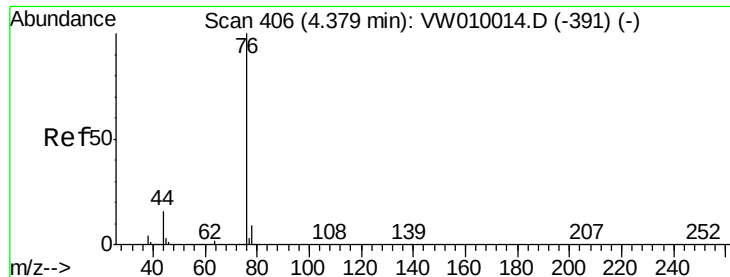
Tgt Ion: 59 Resp: 868
Ion Ratio Lower Upper
59 100
57 2.9 9.0 13.4#



#16
Acetone
Concen: 44.459 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW010057.D
Acq: 18 Apr 2019 20:41

Tgt Ion: 43 Resp: 23540
Ion Ratio Lower Upper
43 100
58 29.2 22.7 34.1





#17

Carbon Disulfide

Concen: 1.373 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW010057.D

Acq: 18 Apr 2019 20:41

Instrument :

MSVOA_W

ClientSampleId :

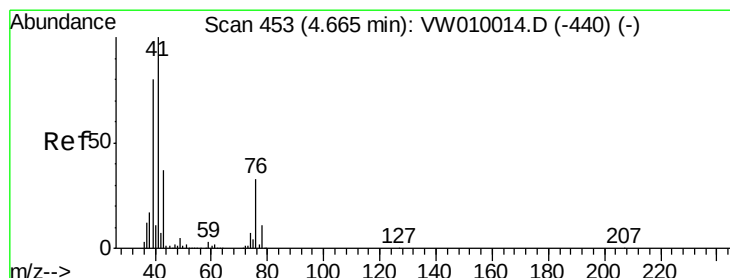
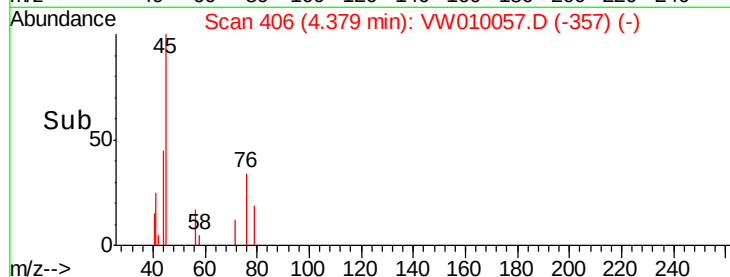
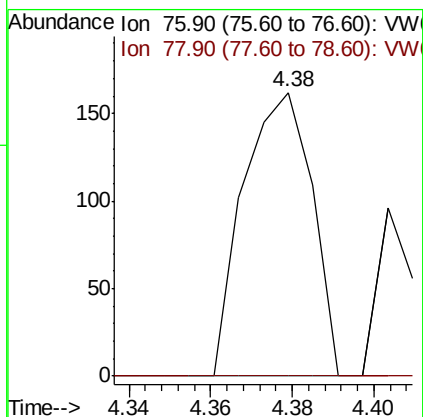
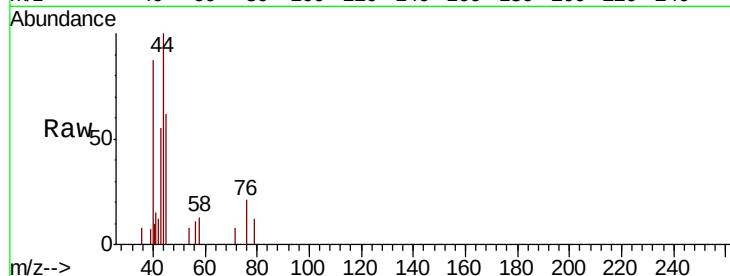
EXCAVATION-NEWARK-SOUTH-PIL

Tgt Ion: 76 Resp: 190

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.2#



#18

Methyl Acetate

Concen: 5.259 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW010057.D

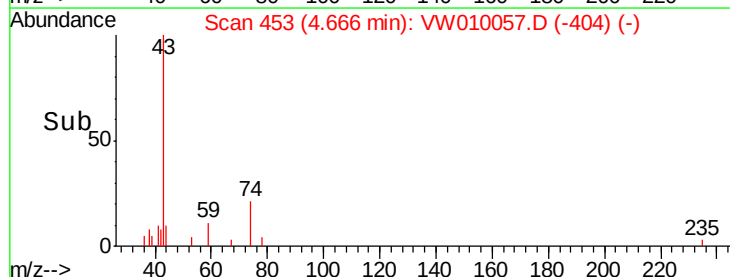
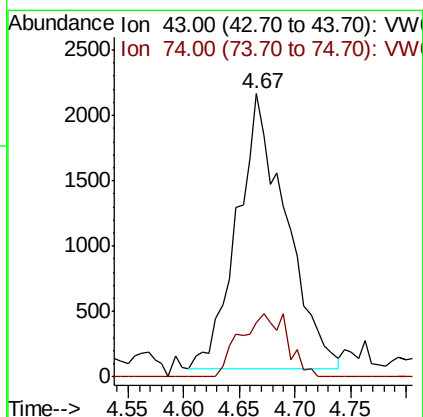
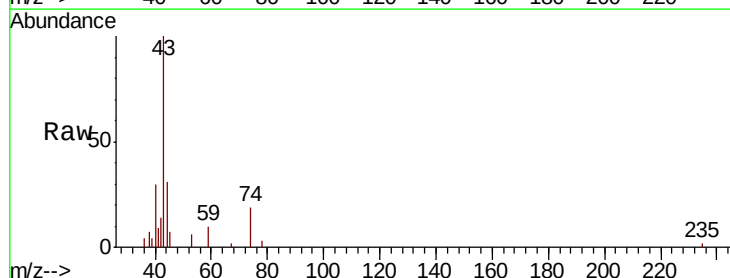
Acq: 18 Apr 2019 20:41

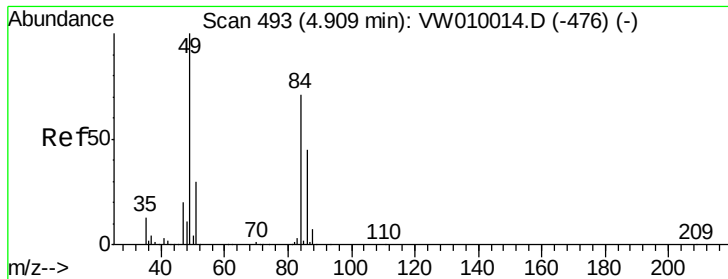
Tgt Ion: 43 Resp: 6445

Ion Ratio Lower Upper

43 100

74 22.1 16.8 25.2





#20

Methylene Chloride

Concen: 5.046 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW010057.D

Acq: 18 Apr 2019 20:41

Instrument :

MSVOA_W

ClientSampleId :

EXCAVATION-NEWARK-SOUTH-PIL

Tgt Ion: 84 Resp: 18355

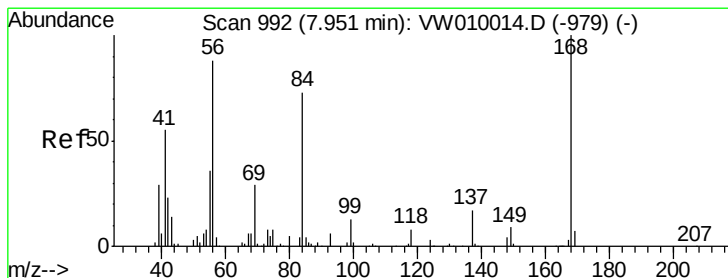
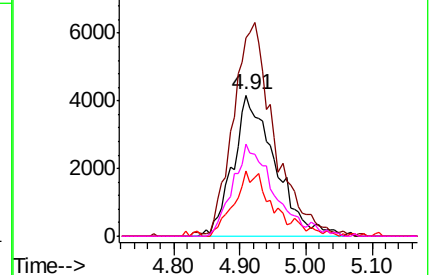
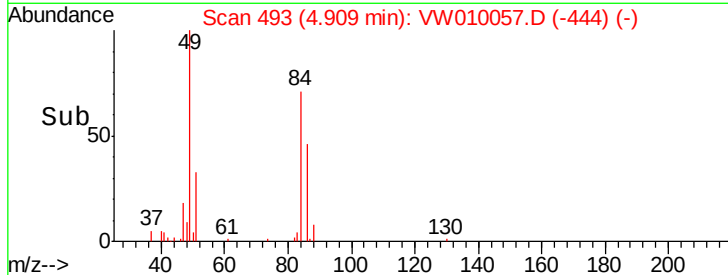
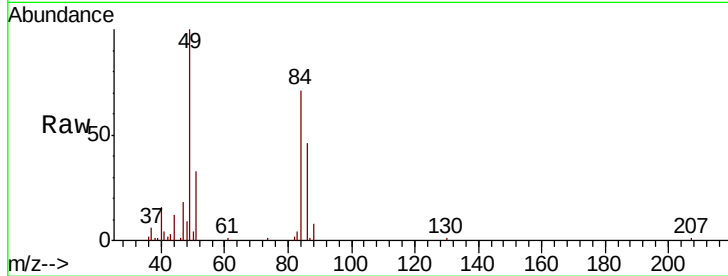
Ion Ratio Lower Upper

84 100

49 138.6 112.3 168.5

51 44.0 33.9 50.9

86 65.1 50.2 75.4



#31

Cyclohexane

Concen: 1.498 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW010057.D

Acq: 18 Apr 2019 20:41

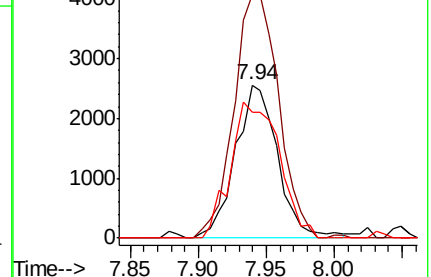
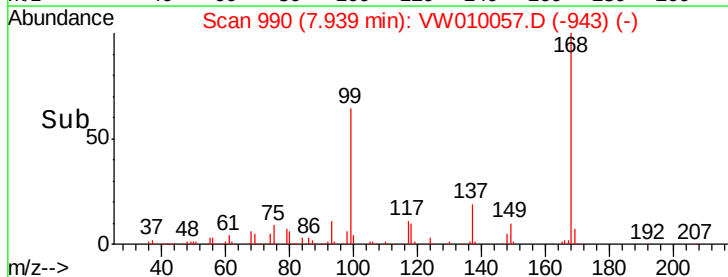
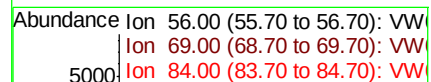
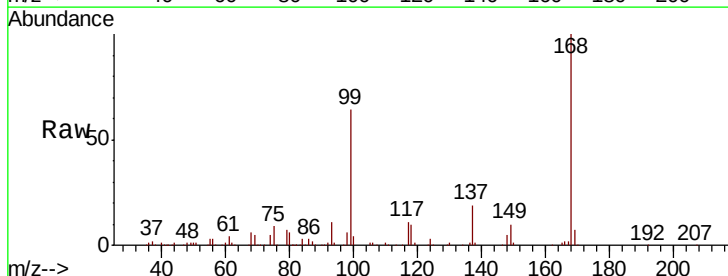
Tgt Ion: 56 Resp: 5530

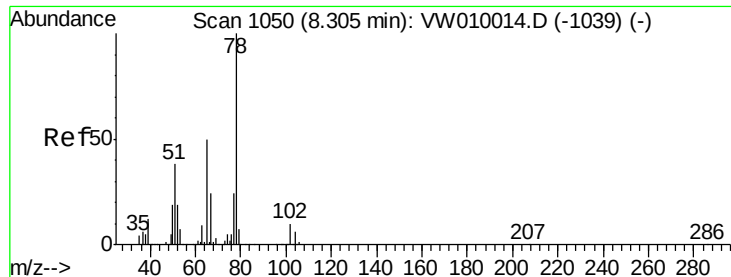
Ion Ratio Lower Upper

56 100

69 159.1 26.6 40.0#

84 82.3 66.2 99.2

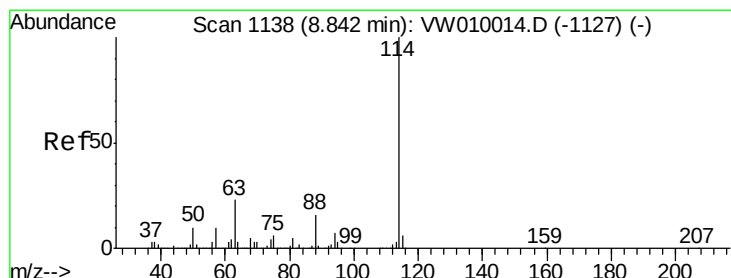
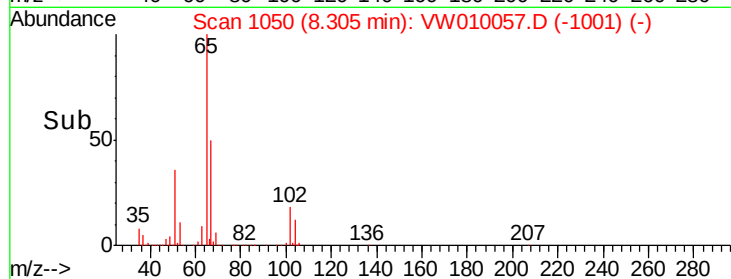
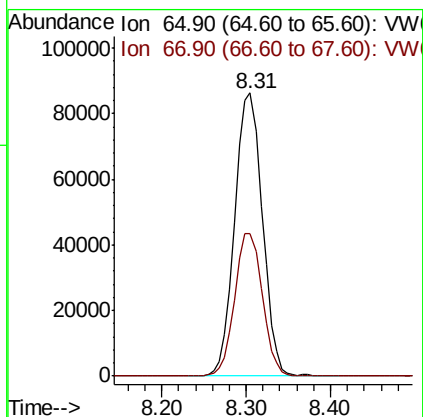
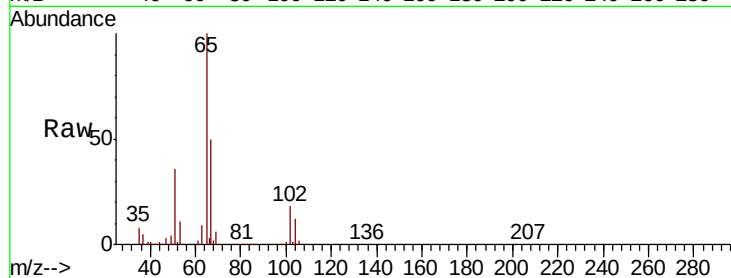




#33
 1,2-Dichloroethane-d4
 Concen: 83.804 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW010057.D
 Acq: 18 Apr 2019 20:41

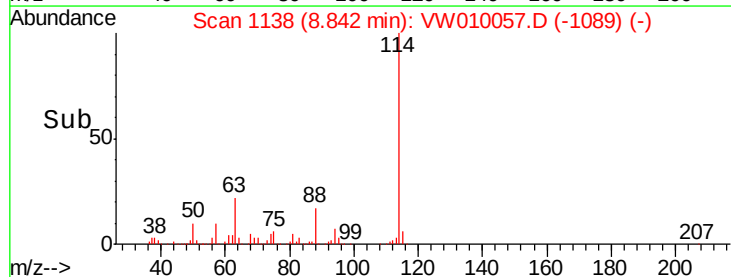
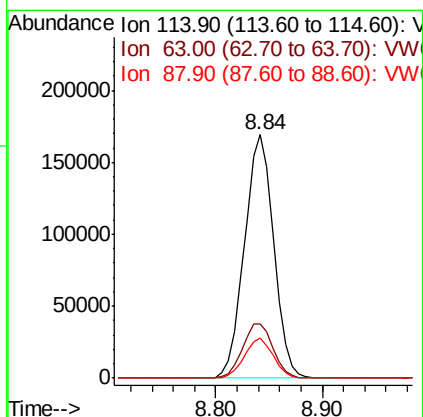
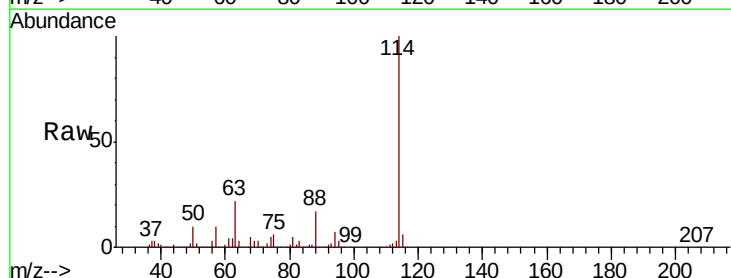
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 EXCAVATION-NEWARK-SOUTH-PIL

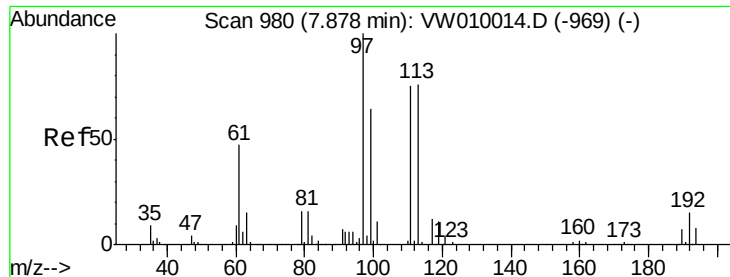
Tgt Ion: 65 Resp: 191241
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW010057.D
 Acq: 18 Apr 2019 20:41

Tgt Ion: 114 Resp: 327023
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 46.2
 88 16.7 0.0 32.6

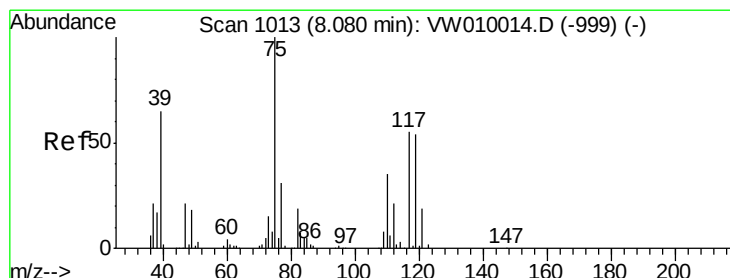
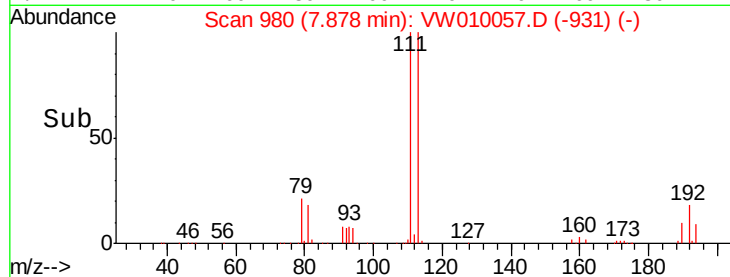
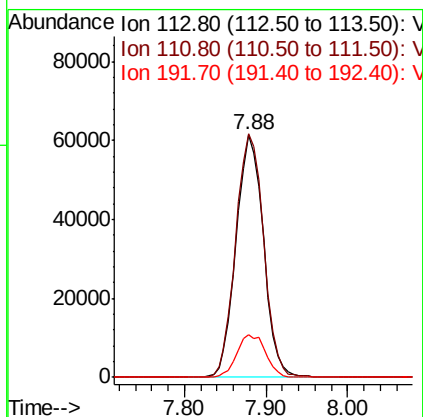
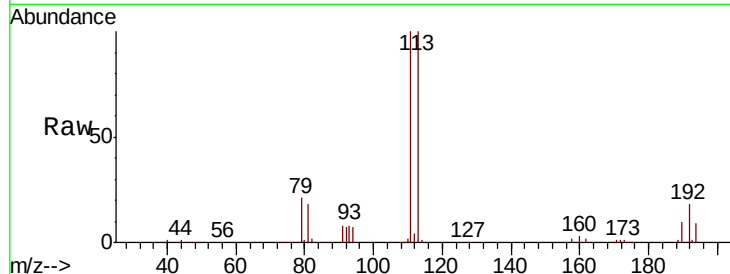




#35
 Dibromofluoromethane
 Concen: 68.599 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW010057.D
 Acq: 18 Apr 2019 20:41

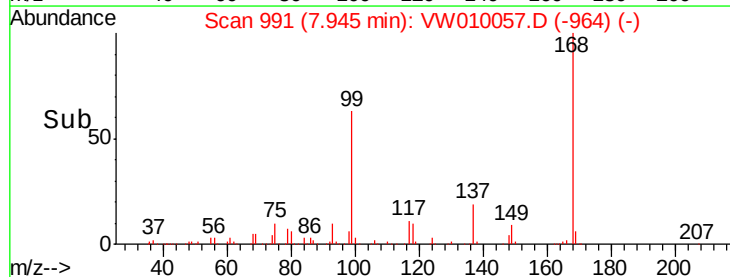
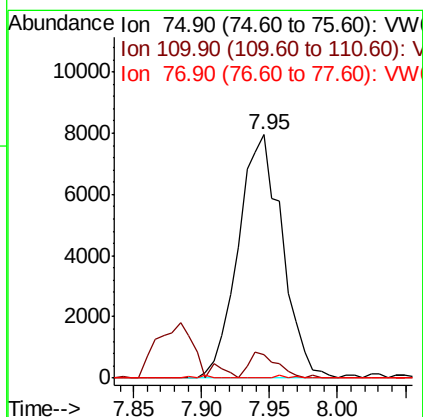
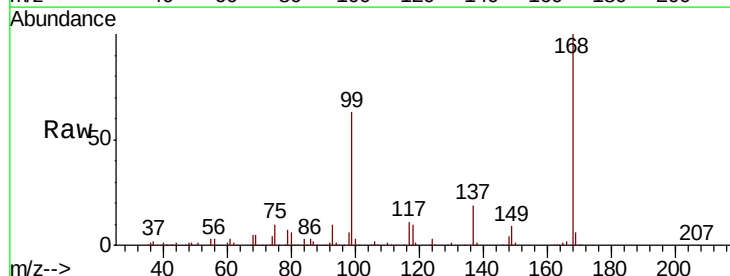
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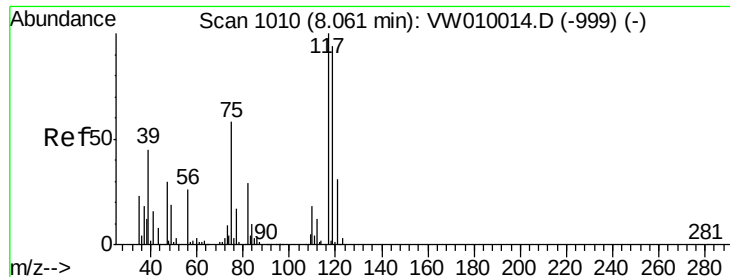
Tgt Ion: 113 Resp: 142624
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.6 123.8
 192 18.5 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 5.369 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010057.D
 Acq: 18 Apr 2019 20:41

Tgt Ion: 75 Resp: 17935
 Ion Ratio Lower Upper
 75 100
 110 6.9 16.6 49.8#
 77 0.3 24.8 37.2#

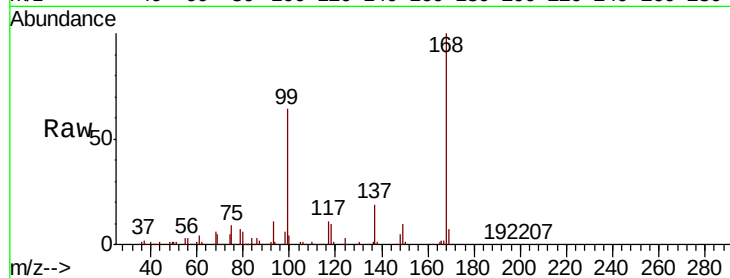




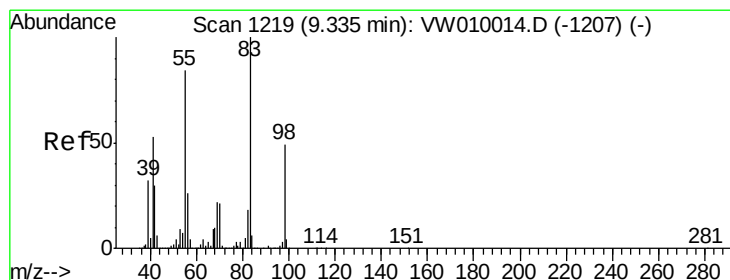
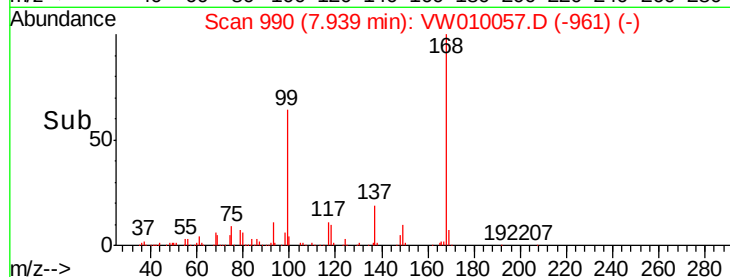
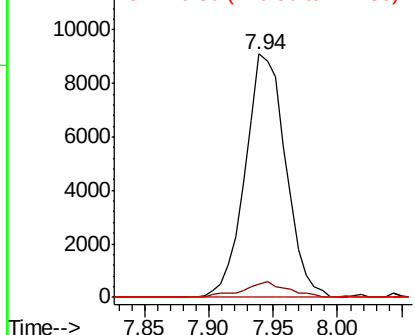
#38
Carbon Tetrachloride
Concen: 6.056 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.12 min
Lab File: VW010057.D
Acq: 18 Apr 2019 20:41

Instrument :
MSVOA_W
ClientSampleId :
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Tgt Ion:117 Resp: 19743
Ion Ratio Lower Upper
117 100
119 5.5 75.3 112.9#
121 0.0 24.4 36.6#

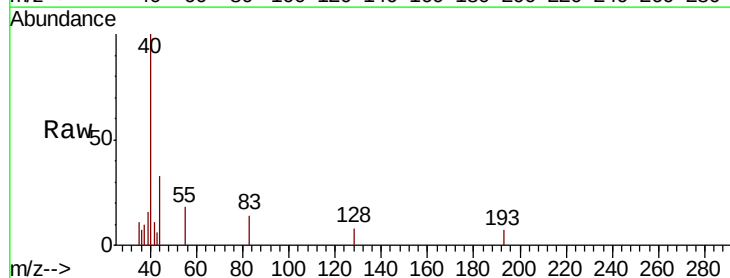


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

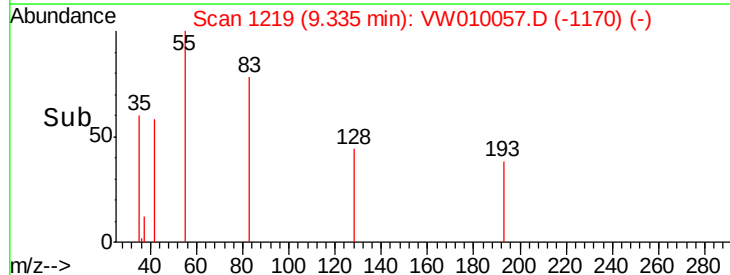
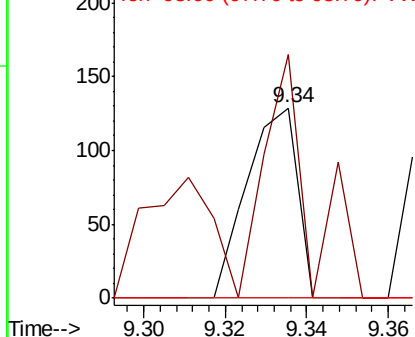


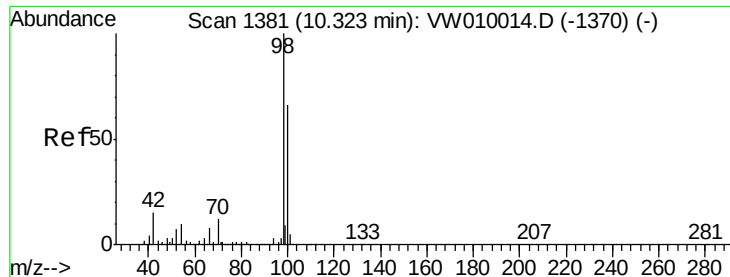
#39
Methylcyclohexane
Concen: 1.224 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW010057.D
Acq: 18 Apr 2019 20:41

Tgt Ion: 83 Resp: 112
Ion Ratio Lower Upper
83 100
55 64.3 67.1 100.7#
98 0.0 39.2 58.8#



Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW





#50

Toluene-d8

Concen: 51.206 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW010057.D

Acq: 18 Apr 2019 20:41

Instrument :

MSVOA_W

ClientSampleId :

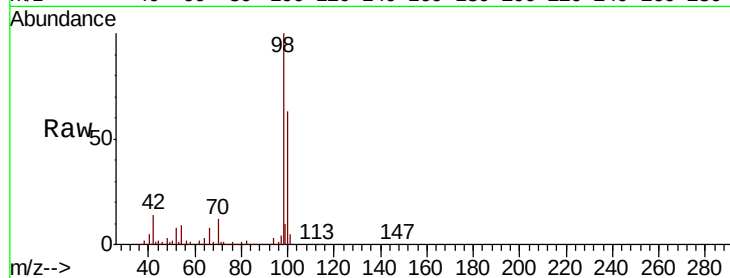
EXCAVATION-NEWARK-SOUTH-PIL

Tgt Ion: 98 Resp: 398930

Ion Ratio Lower Upper

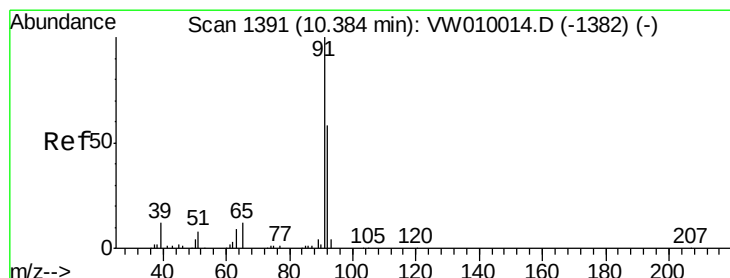
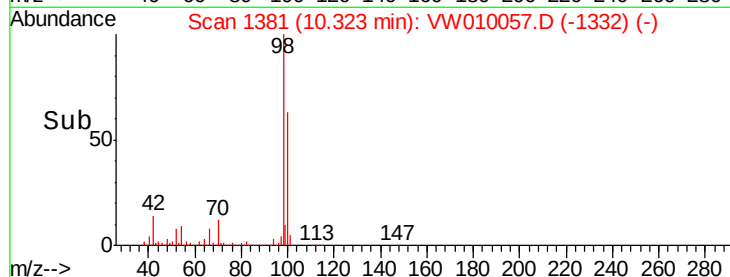
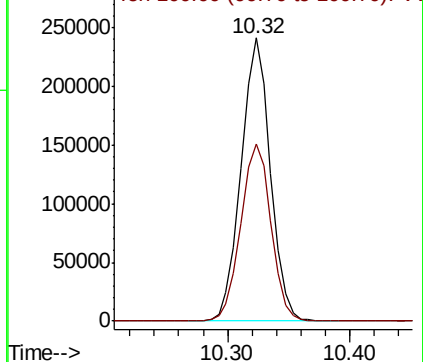
98 100

100 64.8 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#52

Toluene

Concen: 1.042 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW010057.D

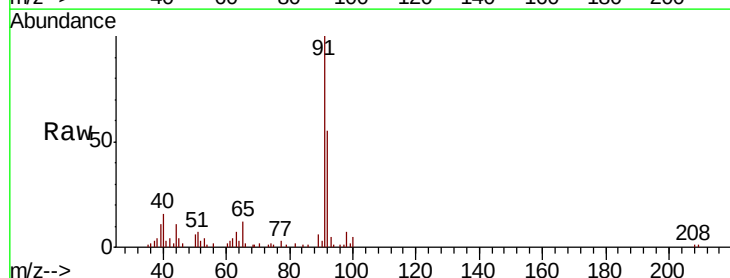
Acq: 18 Apr 2019 20:41

Tgt Ion: 92 Resp: 5931

Ion Ratio Lower Upper

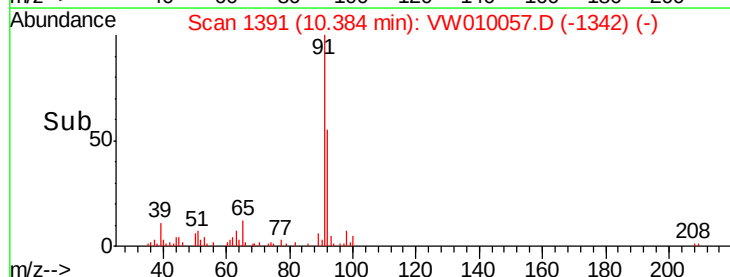
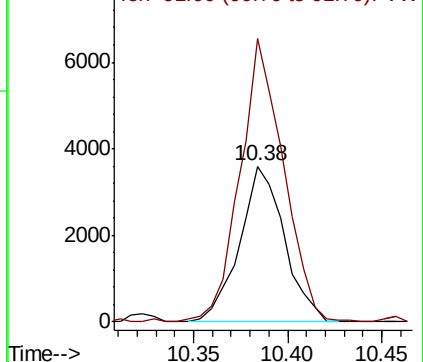
92 100

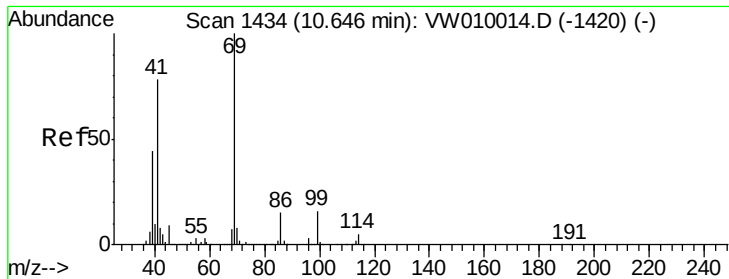
91 176.5 138.5 207.7



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#56

Ethyl methacrylate

Concen: 2.660 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW010057.D

Acq: 18 Apr 2019 20:41

Instrument :

MSVOA_W

ClientSampleId :

EXCAVATION-NEWARK-SOUTH-PIL

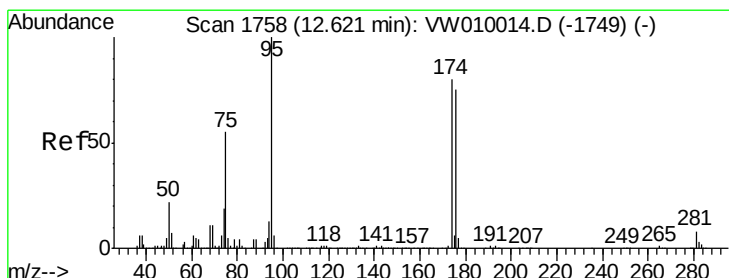
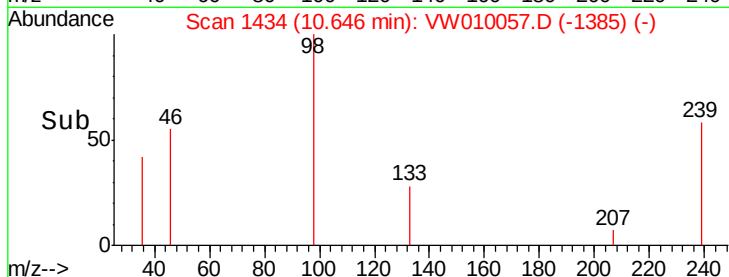
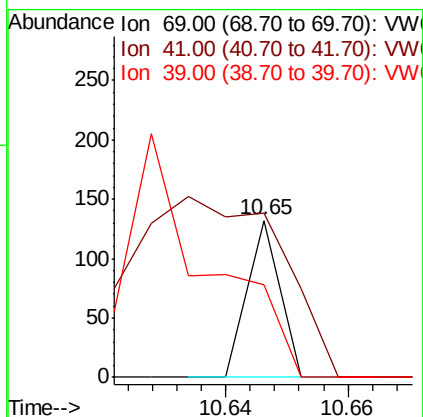
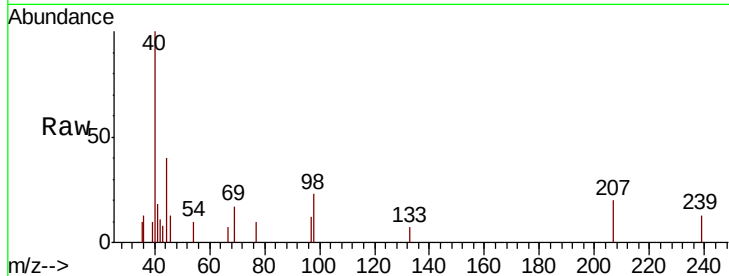
Tgt Ion: 69 Resp: 48

Ion Ratio Lower Upper

69 100

41 637.5 61.0 91.6#

39 347.9 33.8 50.6#



#62

4-Bromofluorobenzene

Concen: 31.360 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW010057.D

Acq: 18 Apr 2019 20:41

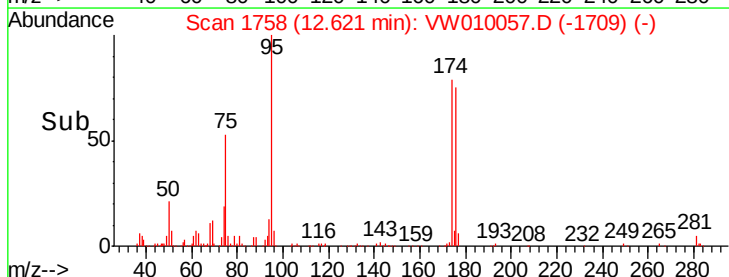
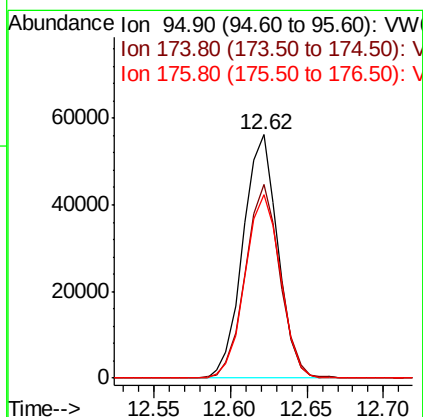
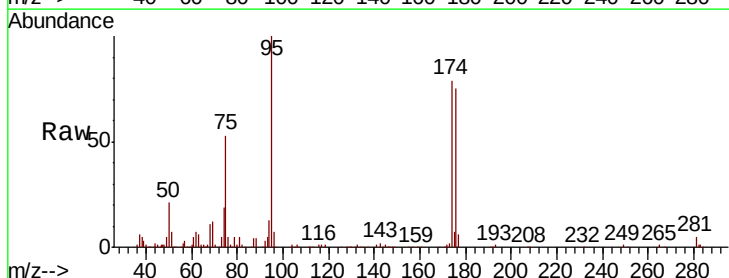
Tgt Ion: 95 Resp: 88810

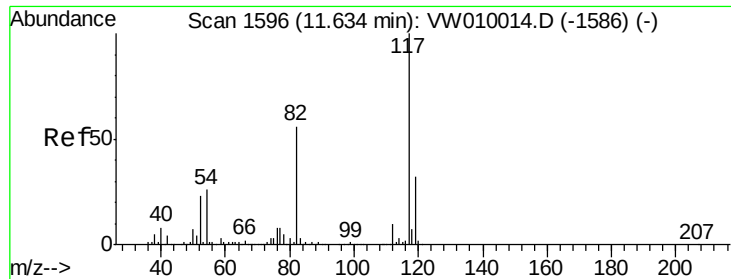
Ion Ratio Lower Upper

95 100

174 78.9 0.0 151.4

176 76.9 0.0 146.2

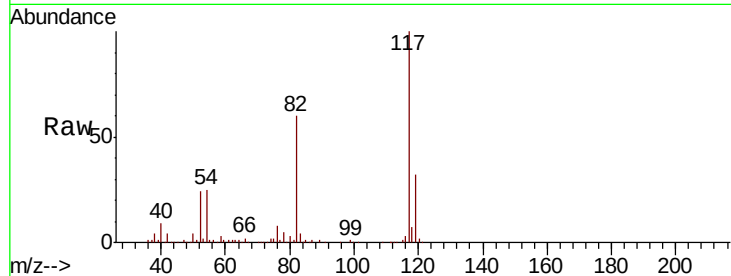




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010057.D
Acq: 18 Apr 2019 20:41

Instrument :
MSVOA_W
ClientSampleId :
EXCAVATION-NEWARK-SOUTH-PIL

Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.9	45.2	67.8
119	32.5	25.4	38.2

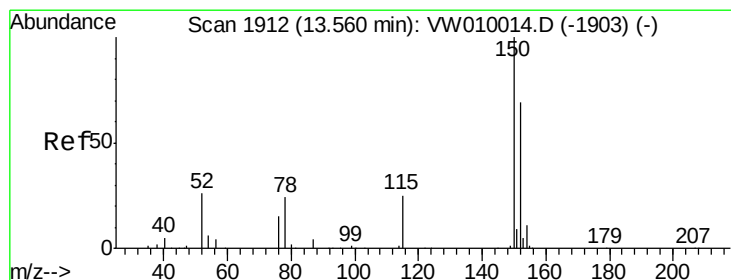
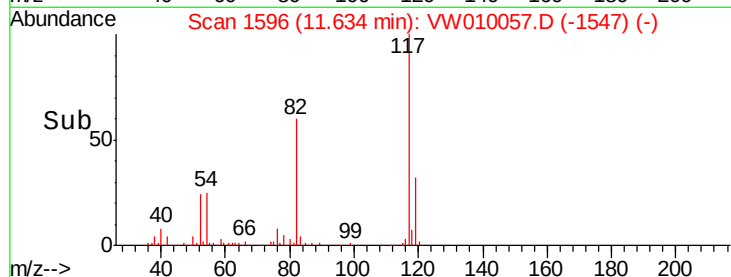
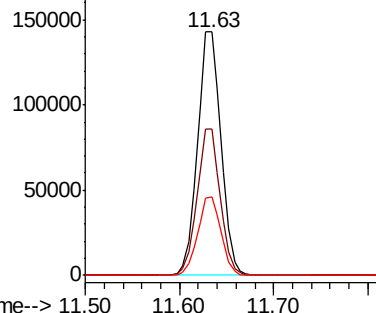


Abundance

Ion 116.90 (116.60 to 117.60): V

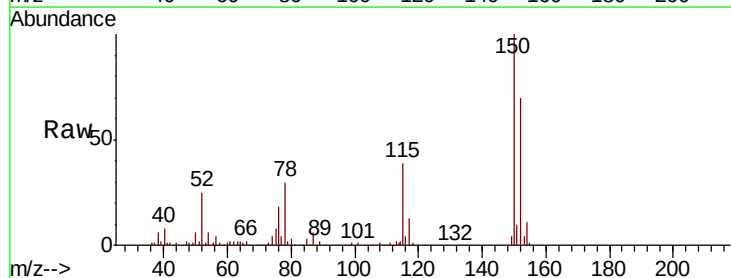
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW010057.D
Acq: 18 Apr 2019 20:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.3	30.4	91.2
150	155.2	0.0	347.0

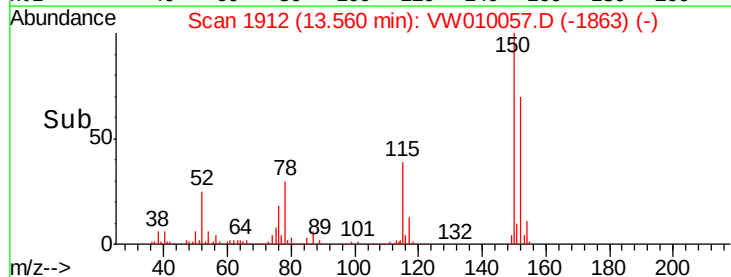
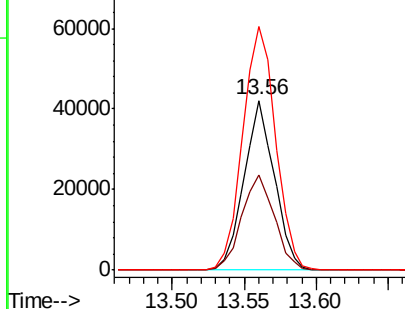


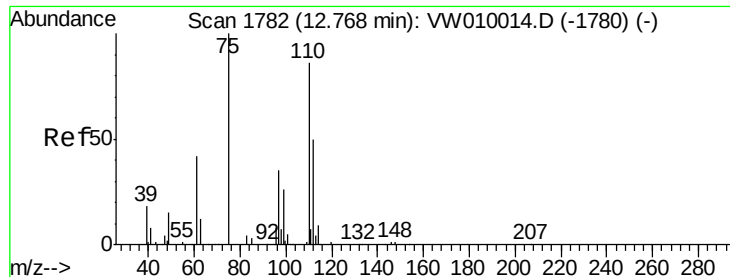
Abundance

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: 81.110 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010057.D

Acq: 18 Apr 2019 20:41

Instrument :

MSVOA_W

ClientSampleId :

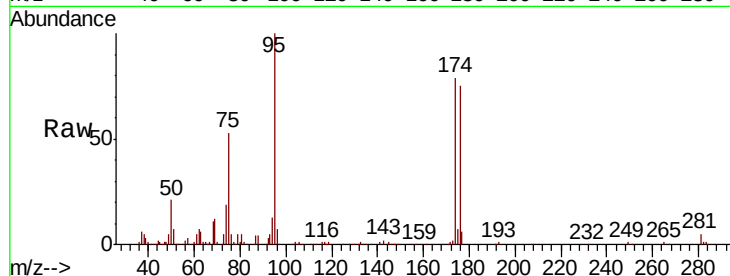
EXCAVATION-NEWARK-SOUTH-PIL

Tgt Ion: 75 Resp: 49887

Ion Ratio Lower Upper

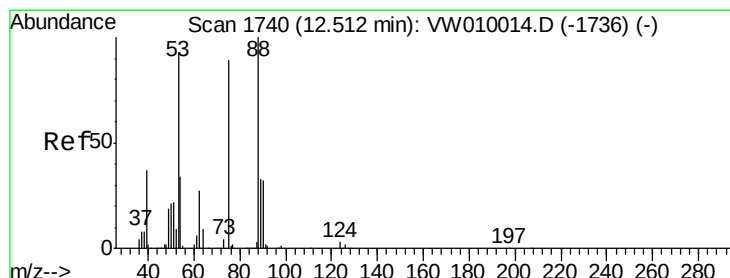
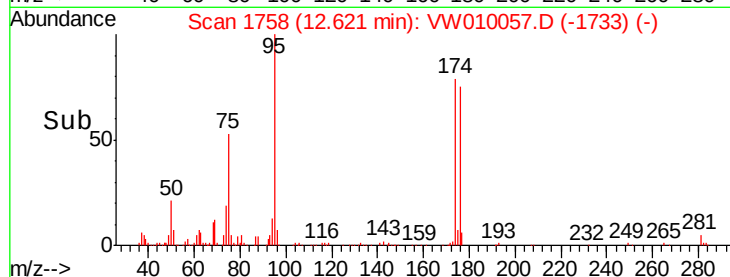
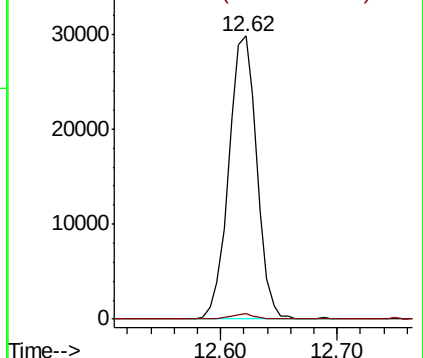
75 100

77 1.5 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: 191.254 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010057.D

Acq: 18 Apr 2019 20:41

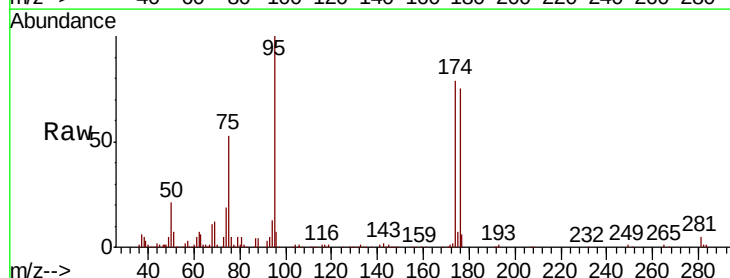
Tgt Ion: 75 Resp: 49887

Ion Ratio Lower Upper

75 100

53 0.6 89.8 134.8#

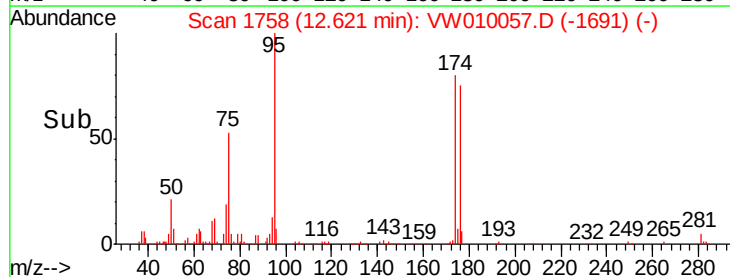
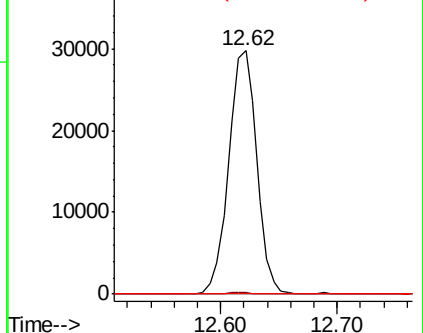
89 0.0 36.6 54.8#

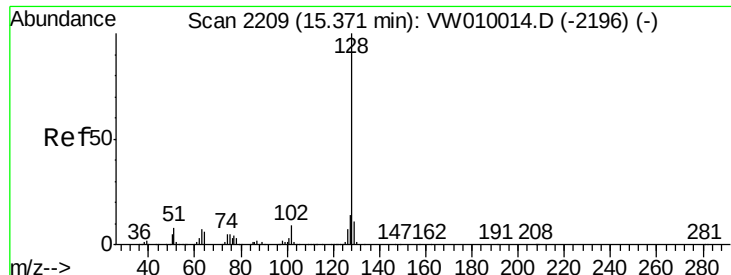


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#95
Naphthalene
Concen: 3.045 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010057.D
Acq: 18 Apr 2019 20:41

Instrument :
MSVOA_W
ClientSampleId :
EXCAVATION-NEWARK-SOUTH-PIL

Tgt Ion:128 Resp: 998
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 3.1 8.7 13.1#

