

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100919\
 Data File : VW013503.D
 Acq On : 09 Oct 2019 14:53
 Operator : SY/VA
 Sample : K5286-01
 Misc : 5.44G/5ML/MSVOA_W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 E.OUTFALL-CREEK-SOIL-SP

Quant Time: Oct 10 02:39:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 05:54:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	294069	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	442000	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	312676	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	99322	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	117968	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	
35) Dibromofluoromethane	7.88	113	122663	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	
50) Toluene-d8	10.32	98	487702	47.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.02%	
62) 4-Bromofluorobenzene	12.62	95	133206	38.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.44%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	5.21	59	421	Below Cal	#	72
13) Acrolein	3.89	56	270	5.038	ug/l #	15
16) Acetone	4.14	43	51022	96.504	ug/l	97
17) Carbon Disulfide	4.37	76	35995	5.024	ug/l	99
20) Methylene Chloride	4.90	84	6574	Below Cal		93
25) 2-Butanone	7.18	43	26798	34.392	ug/l	94
28) Bromochloromethane	7.67	49	92	2.411	ug/l #	98
31) Cyclohexane	7.95	56	32100	6.752	ug/l #	78
36) 1,1-Dichloropropene	7.94	75	18699	4.677	ug/l #	52
37) Ethyl Acetate	7.18	43	26798	14.772	ug/l #	76
38) Carbon Tetrachloride	7.94	117	25205	7.111	ug/l #	16
39) Methylcyclohexane	9.33	83	79244	15.297	ug/l	95
40) Benzene	8.32	78	14566	1.305	ug/l	93
43) Isopropyl Acetate	8.41	43	6773	2.066	ug/l #	50
48) Methyl methacrylate	9.38	41	7170	4.441	ug/l #	30
51) 4-Methyl-2-Pentanone	10.21	43	3229	1.874	ug/l #	85
55) 1,1,2-Trichloroethane	10.76	97	48671	24.296	ug/l #	23
56) Ethyl methacrylate	10.66	69	18372	6.809	ug/l #	1
59) 2-Hexanone	10.93	43	200139	169.381	ug/l #	27
67) Ethyl Benzene	11.73	91	35567	3.132	ug/l	97
68) m/p-Xylenes	11.84	106	9939	2.300	ug/l	93
69) o-Xylene	12.16	106	22397	5.611	ug/l	94
73) Isopropylbenzene	12.46	105	76883	10.807	ug/l	100
74) N-amyl acetate	12.25	43	352414	226.490	ug/l #	60
75) 1,1,2,2-Tetrachloroethane	12.69	83	26186	21.594	ug/l #	51
76) 1,2,3-Trichloropropane	12.62	75	55118	66.631	ug/l #	100
78) n-propylbenzene	12.80	91	20876	2.538	ug/l	90
79) 2-Chlorotoluene	12.90	91	10274	2.229	ug/l #	39
80) 1,3,5-Trimethylbenzene	13.10	105	205279	34.726	ug/l	71
81) trans-1,4-Dichloro-2-buten	12.62	75	55118	136.205	ug/l #	23
83) tert-Butylbenzene	13.21	119	7351	1.400	ug/l	72
84) 1,2,4-Trimethylbenzene	13.25	105	22912	3.919	ug/l	98
86) p-Isopropyltoluene	13.50	119	17479	2.623	ug/l #	79
89) n-Butylbenzene	13.82	91	7565	1.257	ug/l #	49

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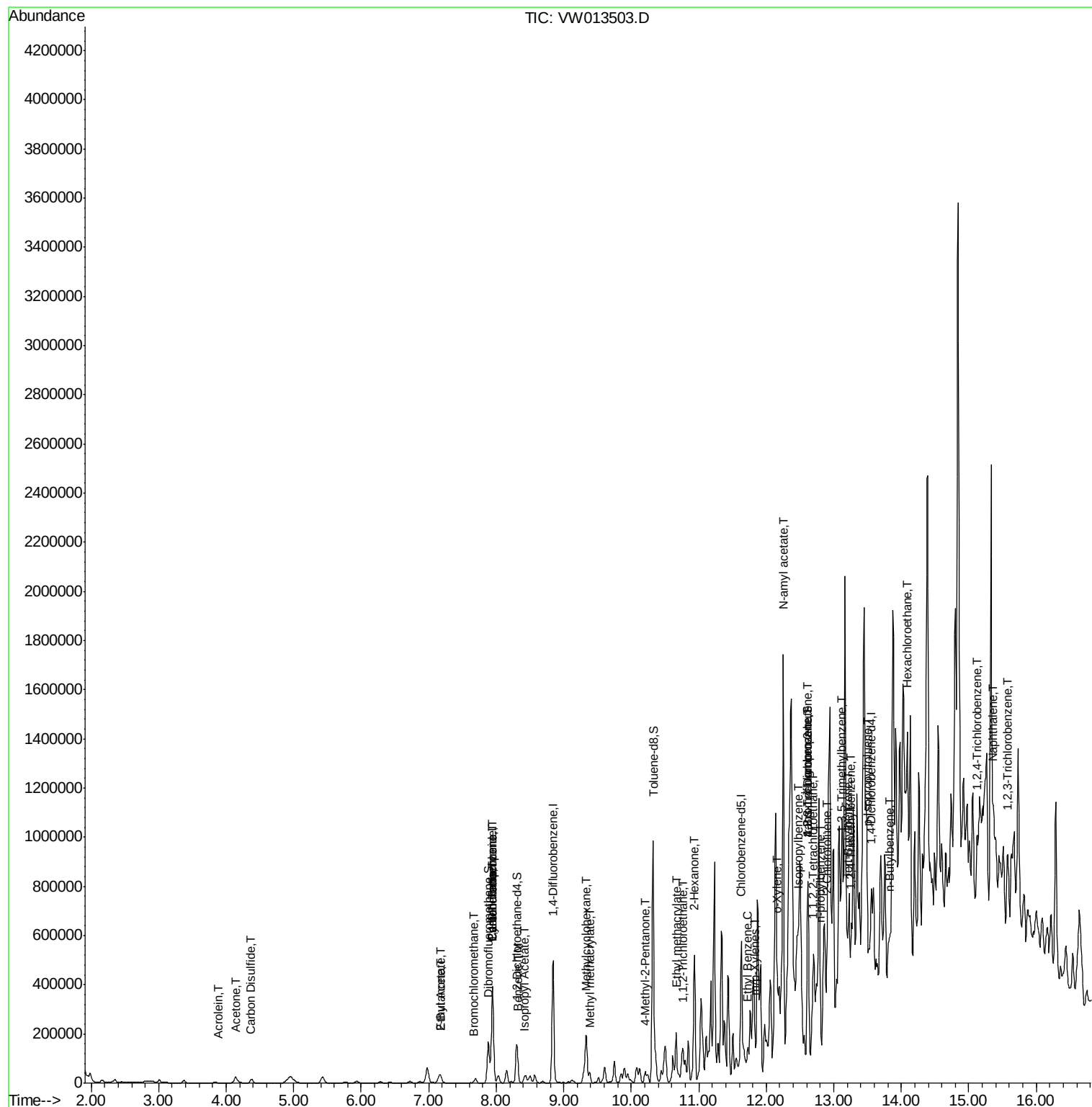
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Hexachloroethane	14.10	117	10455	9.168	ug/l #	3
93) 1,2,4-Trichlorobenzene	15.13	180	3117	1.562	ug/l #	1
95) Naphthalene	15.36	128	400137	115.933	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.57	180	6261	3.588	ug/l #	1

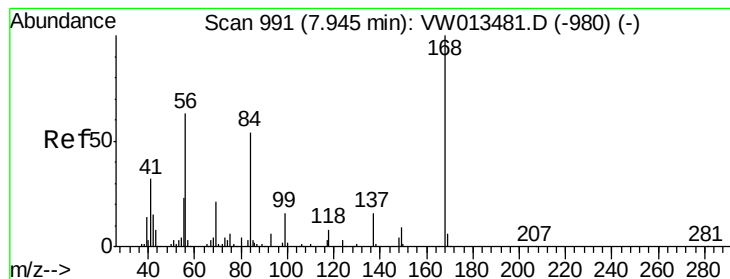
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013503.D

Acq: 09 Oct 2019 14:53

Instrument :

MSVOA_W

ClientSampleId :

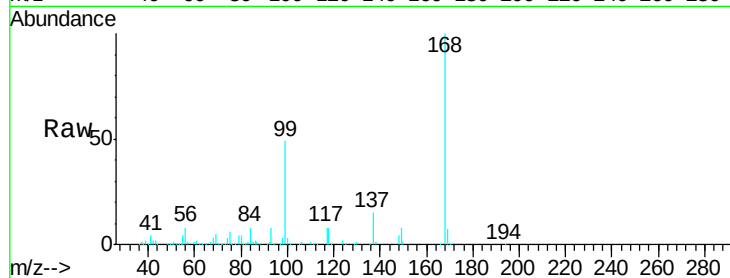
E.OUTFALL-CREEK-SOIL-SP

Tgt Ion:168 Resp: 294069

Ion Ratio Lower Upper

168 100

99 49.1 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

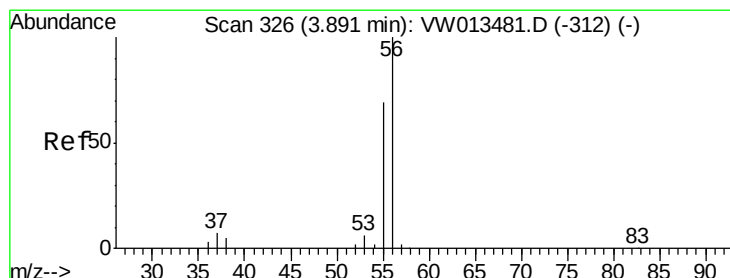
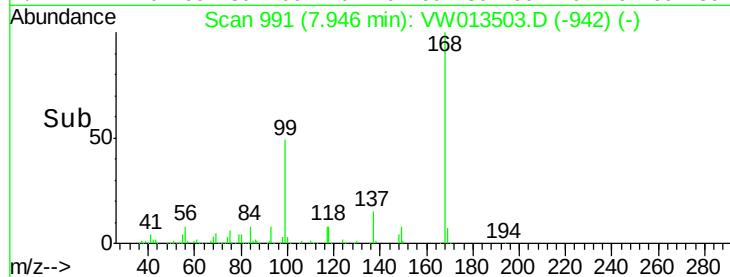
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 5.038 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW013503.D

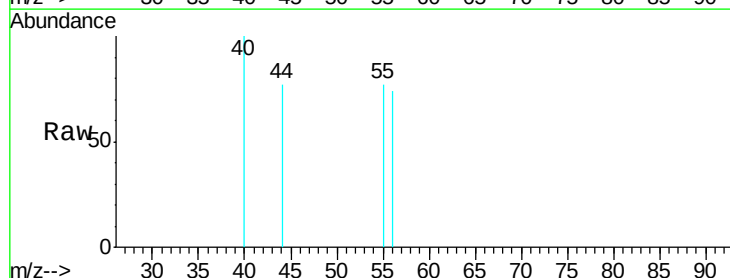
Acq: 09 Oct 2019 14:53

Tgt Ion: 56 Resp: 270

Ion Ratio Lower Upper

56 100

55 0.0 55.9 83.9#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

2000

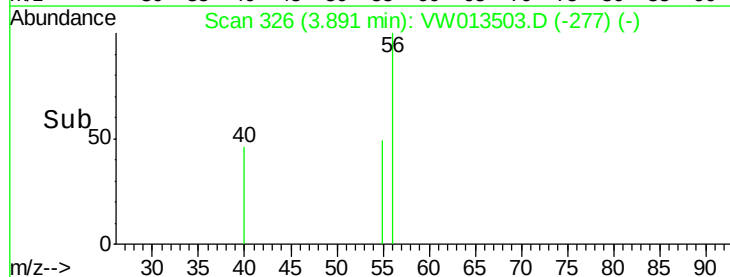
1500

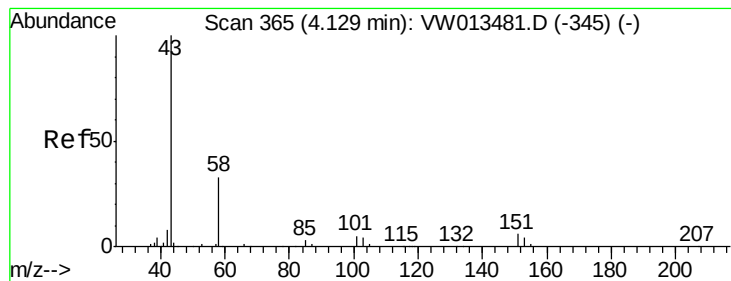
1000

500

0

Time-->





#16

Acetone

Concen: 96.504 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW013503.D

Acq: 09 Oct 2019 14:53

Instrument :

MSVOA_W

ClientSampleId :

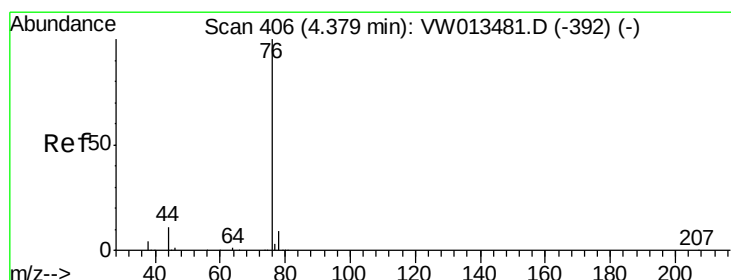
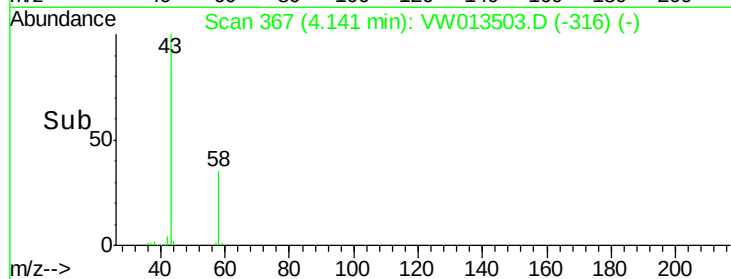
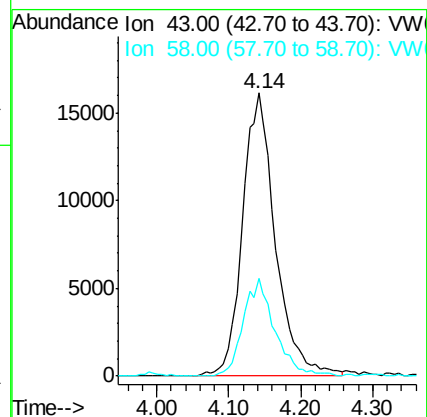
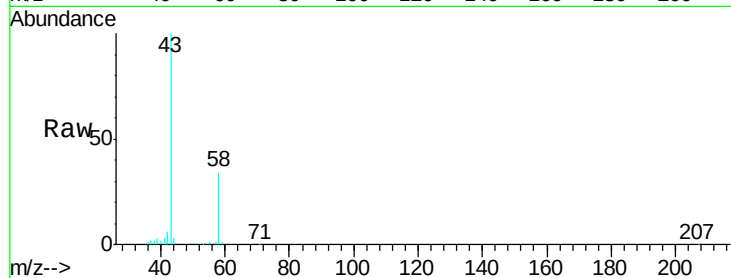
E.OUTFALL-CREEK-SOIL-SP

Tgt Ion: 43 Resp: 51022

Ion Ratio Lower Upper

43 100

58 34.4 26.1 39.1



#17

Carbon Disulfide

Concen: 5.024 ug/l

RT: 4.37 min Scan# 404

Delta R.T. -0.01 min

Lab File: VW013503.D

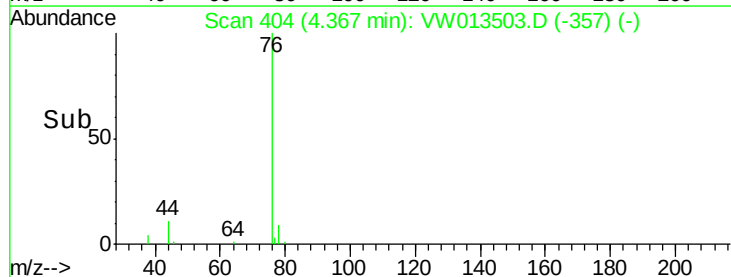
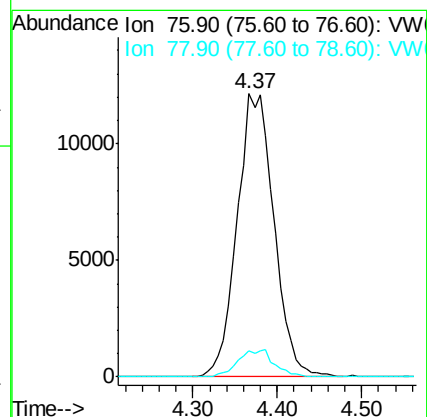
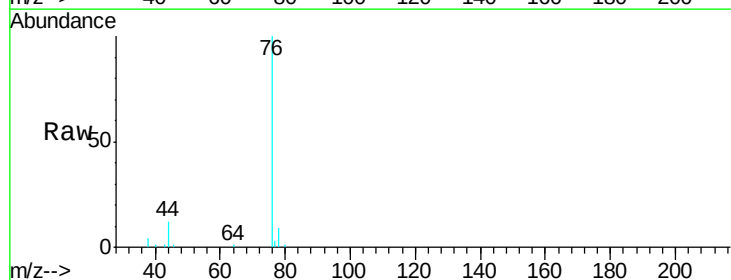
Acq: 09 Oct 2019 14:53

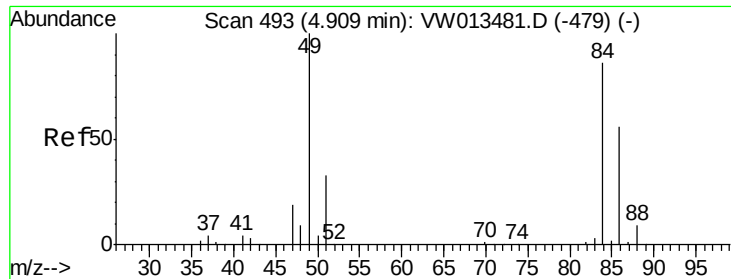
Tgt Ion: 76 Resp: 35995

Ion Ratio Lower Upper

76 100

78 9.4 7.1 10.7



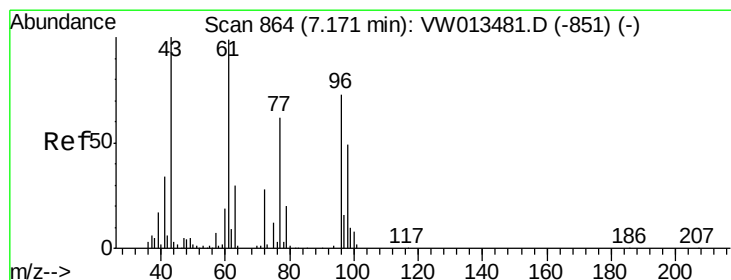
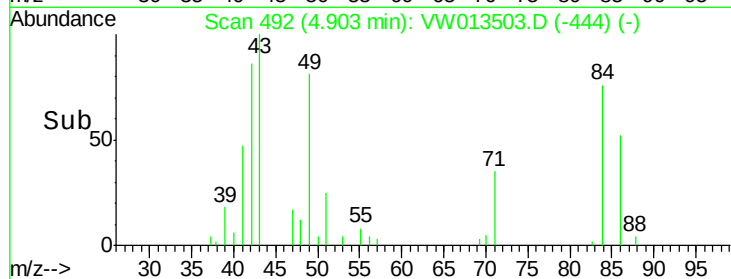
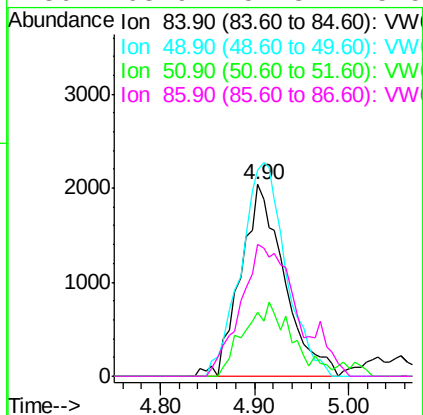
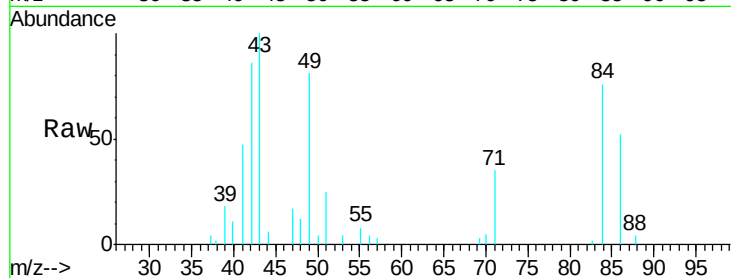


#20
Methylene Chloride
Concen: Below Cal
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW013503.D
Acq: 09 Oct 2019 14:53

Instrument :
MSVOA_W
ClientSampleId :
E.OUTFALL-CREEK-SOIL-SP

Tgt Ion: 84 Resp: 6574

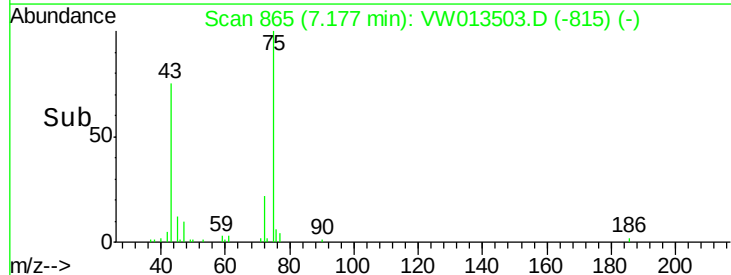
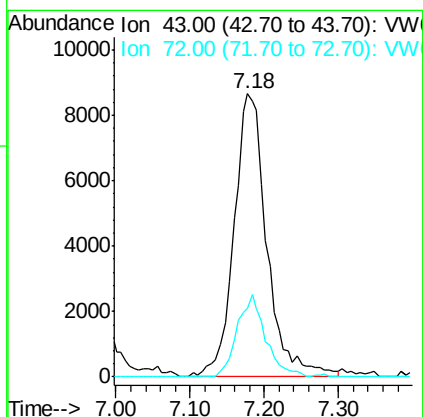
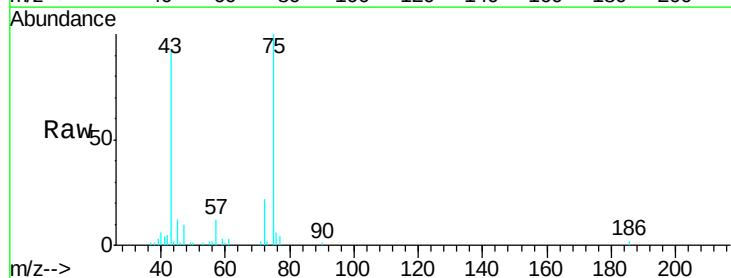
Ion	Ratio	Lower	Upper
84	100		
49	107.5	93.4	140.0
51	33.5	30.6	46.0
86	68.9	52.3	78.5

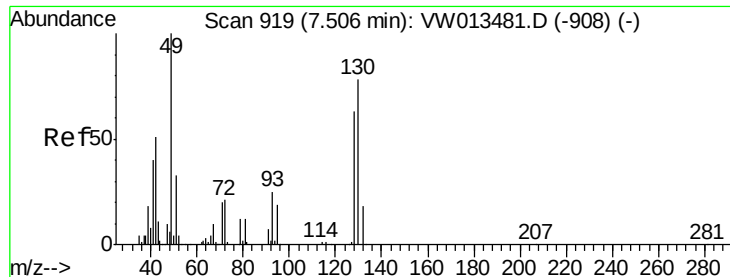


#25
2-Butanone
Concen: 34.392 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW013503.D
Acq: 09 Oct 2019 14:53

Tgt Ion: 43 Resp: 26798

Ion	Ratio	Lower	Upper
43	100		
72	24.2	22.1	33.1





#28

Bromochloromethane

Concen: 2.411 ug/l

RT: 7.67 min Scan# 945

Delta R.T. 0.16 min

Lab File: VW013503.D

Acq: 09 Oct 2019 14:53

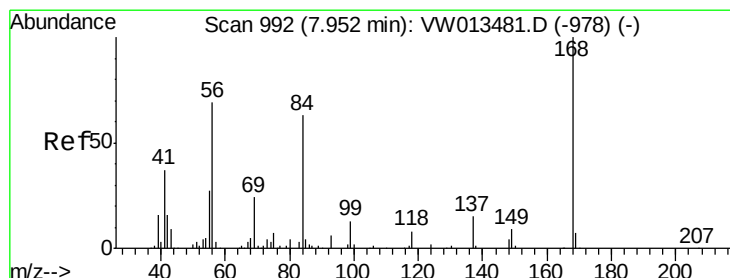
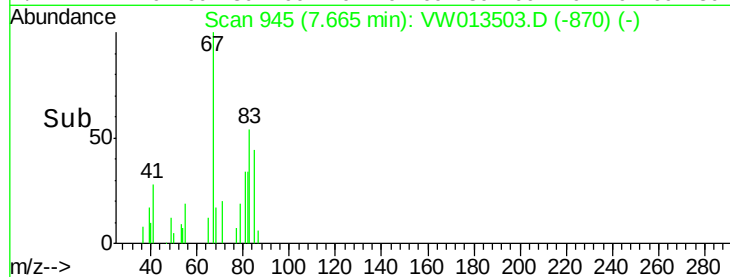
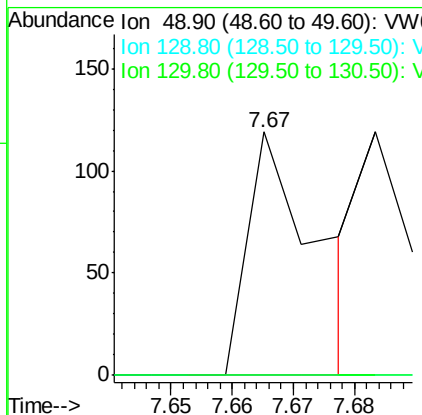
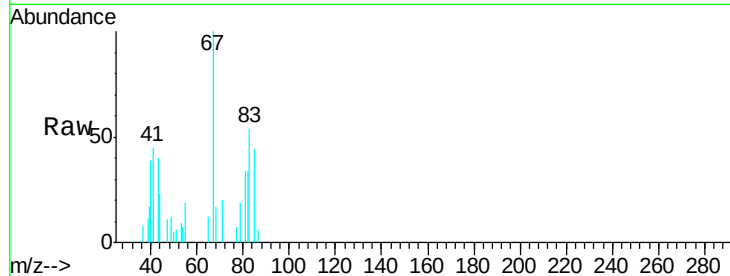
Instrument :

MSVOA_W

ClientSampleId :

E.OUTFALL-CREEK-SOIL-SP

Tgt Ion:	49	Resp:	92
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	1.6
130	0.0	0.0	0.0



#31

Cyclohexane

Concen: 6.752 ug/l

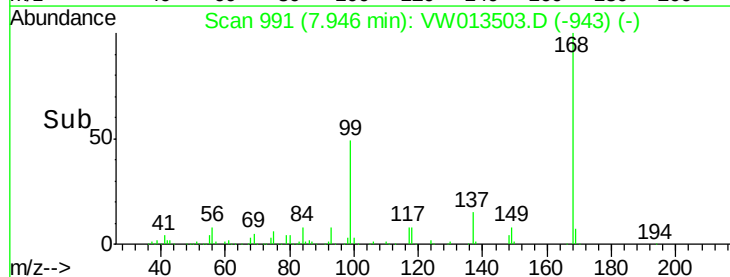
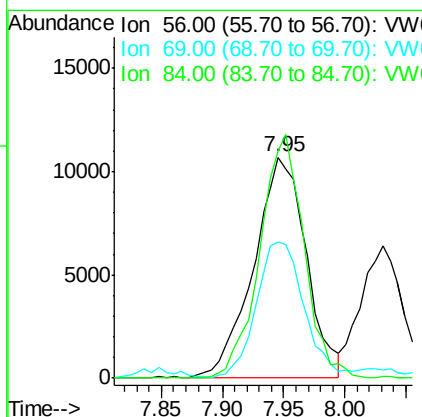
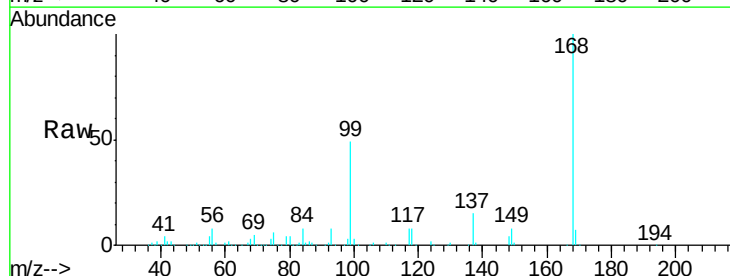
RT: 7.95 min Scan# 991

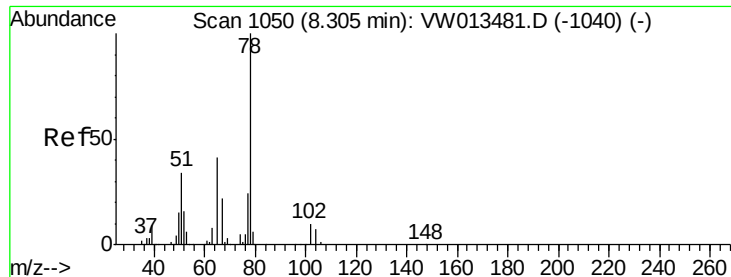
Delta R.T. -0.01 min

Lab File: VW013503.D

Acq: 09 Oct 2019 14:53

Tgt Ion:	56	Resp:	32100
Ion	Ratio	Lower	Upper
56	100		
69	59.8	28.0	42.0#
84	102.7	71.8	107.6

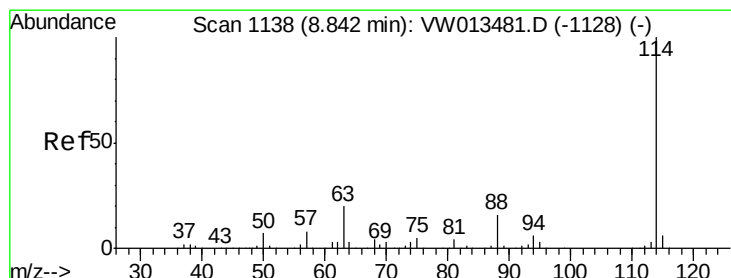
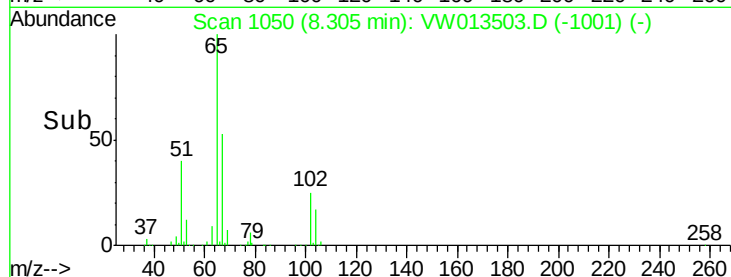
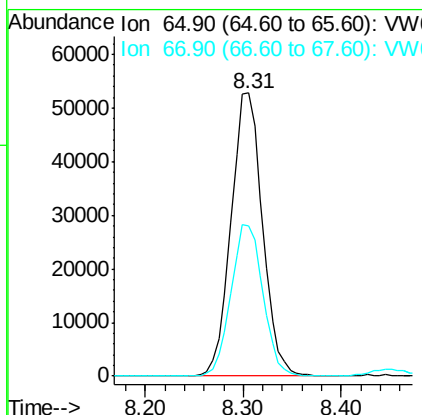
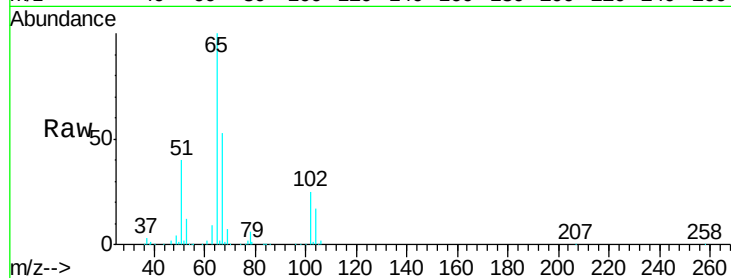




#33
 1,2-Dichloroethane-d4
 Concen: 51.923 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW013503.D
 Acq: 09 Oct 2019 14:53

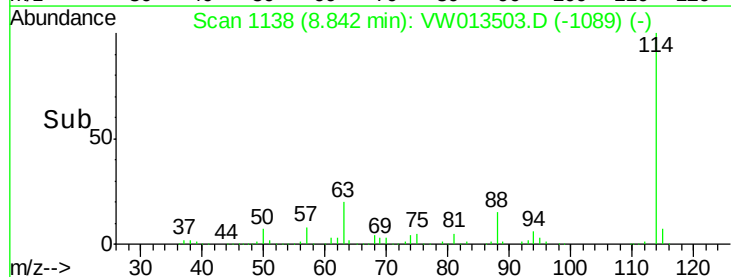
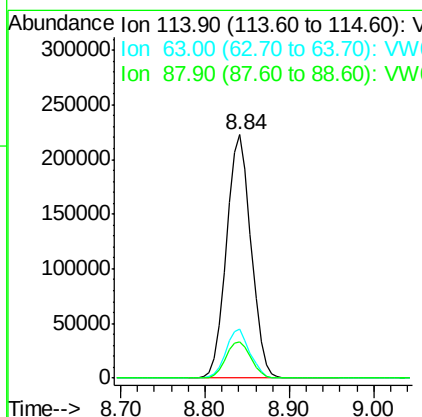
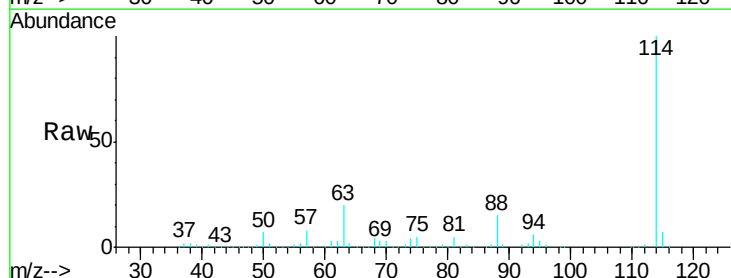
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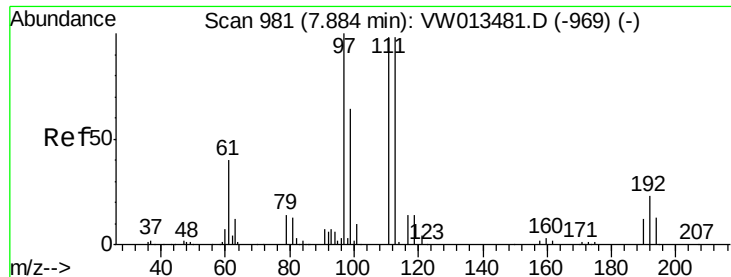
Tgt Ion: 65 Resp: 117968
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013503.D
 Acq: 09 Oct 2019 14:53

Tgt Ion: 114 Resp: 442000
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.4
 88 15.0 0.0 31.4

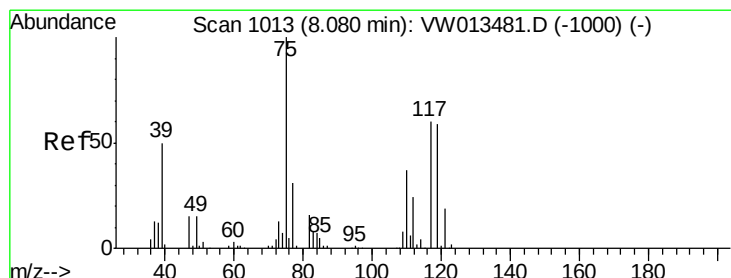
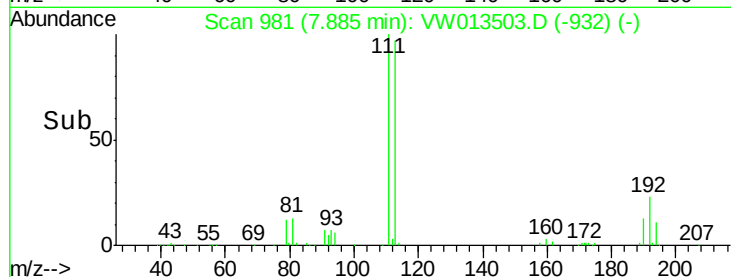
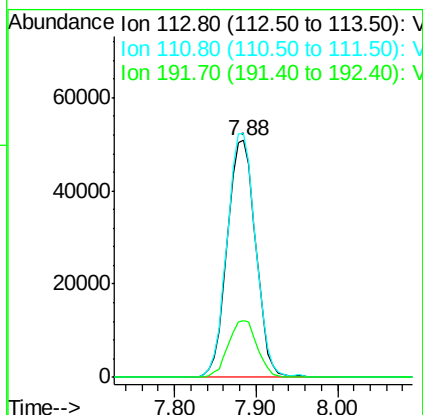
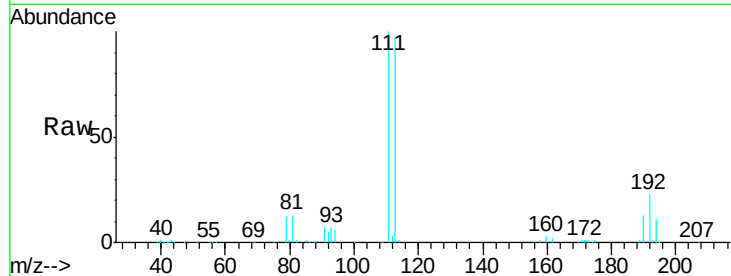




#35
 Dibromofluoromethane
 Concen: 49.688 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW013503.D
 Acq: 09 Oct 2019 14:53

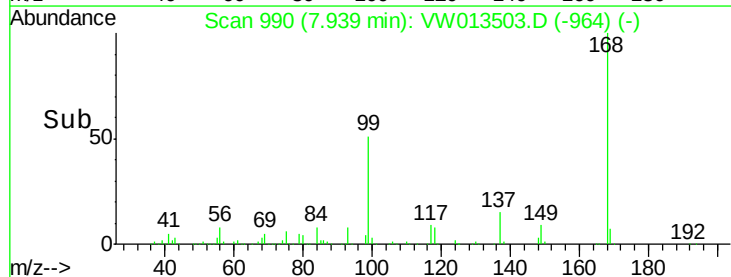
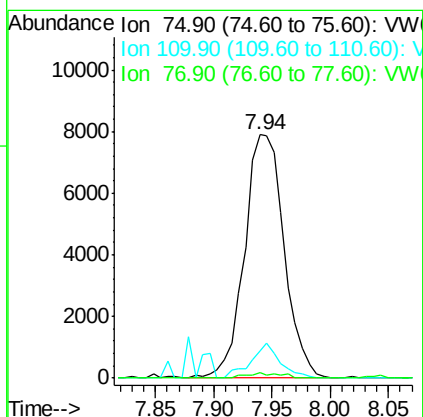
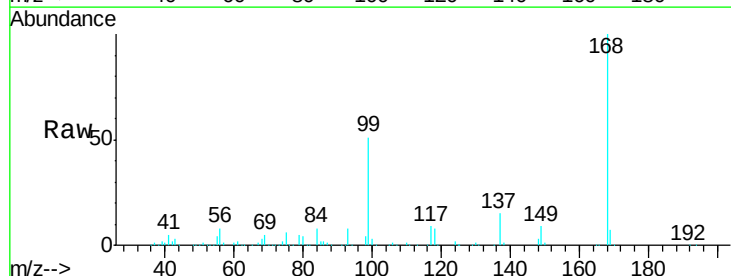
Instrument :
 MSVOA_W
 ClientSampleId :
 E.OUTFALL-CREEK-SOIL-SP

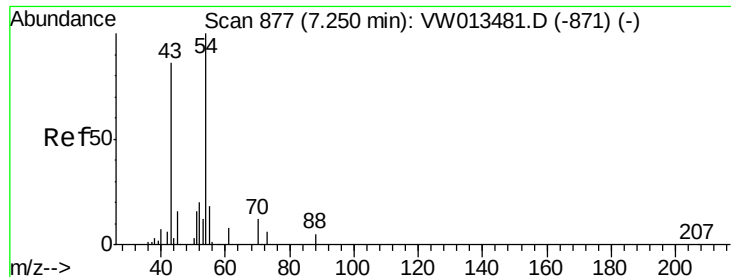
Tgt Ion:113 Resp: 122663
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.3 123.5
 192 24.1 19.3 28.9



#36
 1,1-Dichloropropene
 Concen: 4.677 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW013503.D
 Acq: 09 Oct 2019 14:53

Tgt Ion: 75 Resp: 18699
 Ion Ratio Lower Upper
 75 100
 110 10.6 18.4 55.2#
 77 1.8 25.0 37.4#





#37

Ethyl Acetate

Concen: 14.772 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.07 min

Lab File: VW013503.D

Acq: 09 Oct 2019 14:53

Instrument :

MSVOA_W

ClientSampleId :

E.OUTFALL-CREEK-SOIL-SP

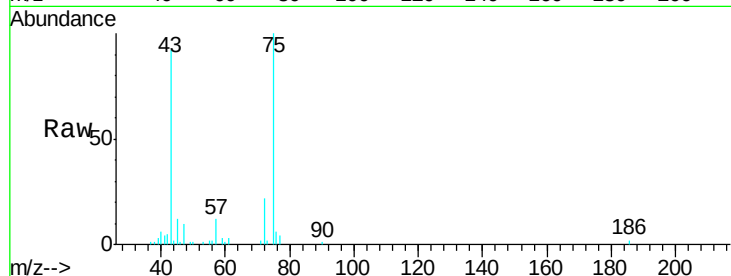
Tgt Ion: 43 Resp: 26798

Ion Ratio Lower Upper

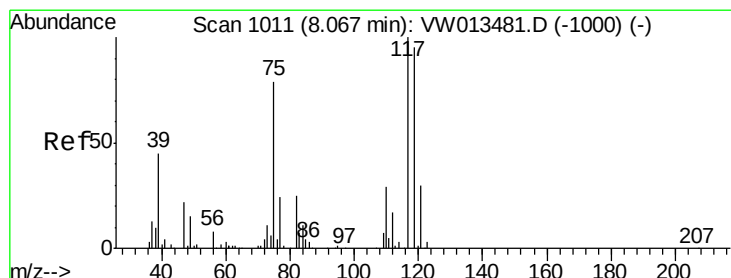
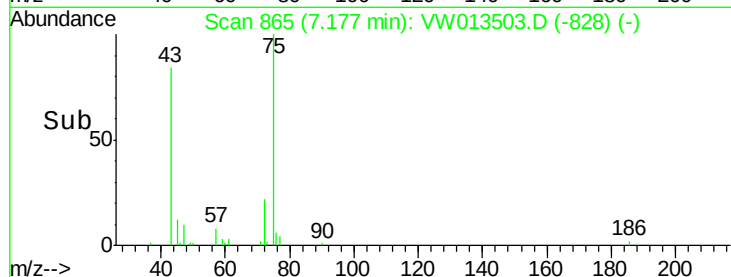
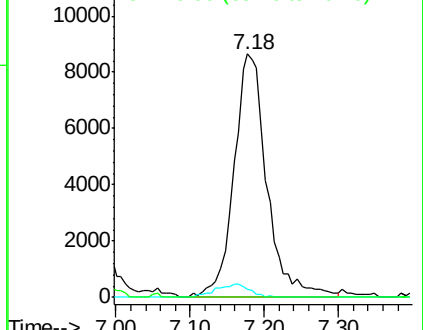
43 100

61 5.6 10.9 16.3#

70 0.0 9.2 13.8#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 7.111 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW013503.D

Acq: 09 Oct 2019 14:53

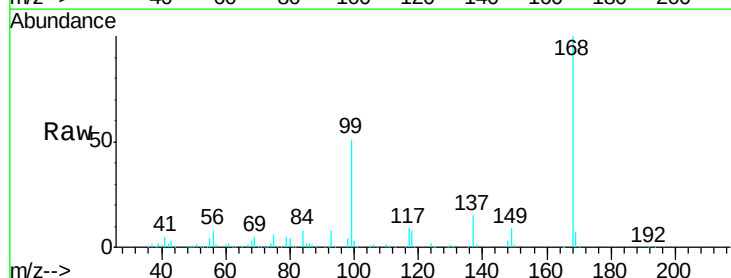
Tgt Ion: 117 Resp: 25205

Ion Ratio Lower Upper

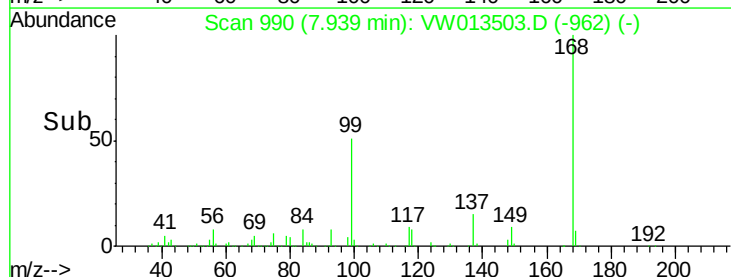
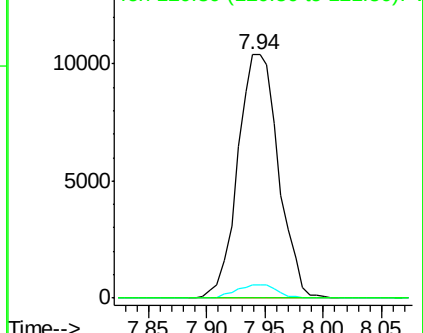
117 100

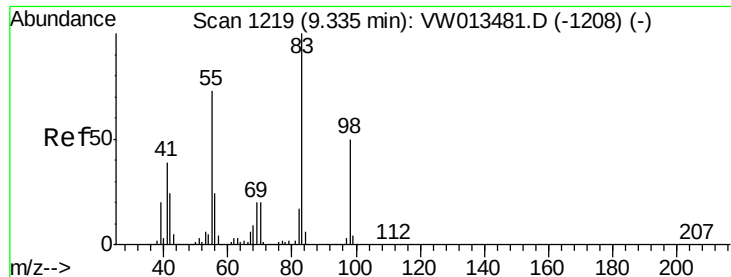
119 5.4 76.3 114.5#

121 0.0 23.6 35.4#



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

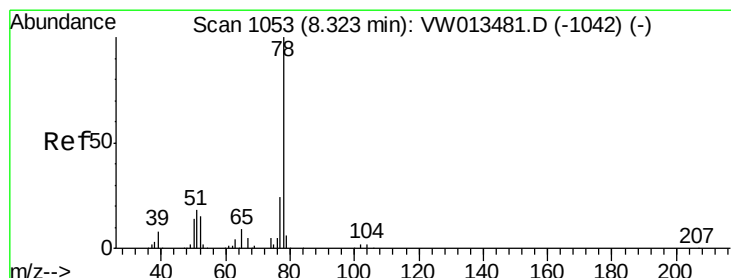
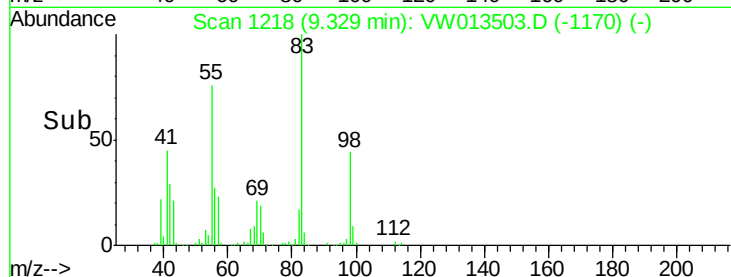
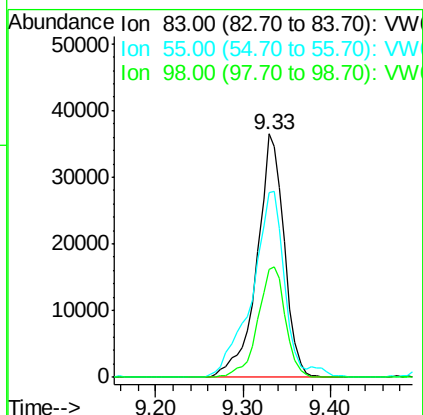
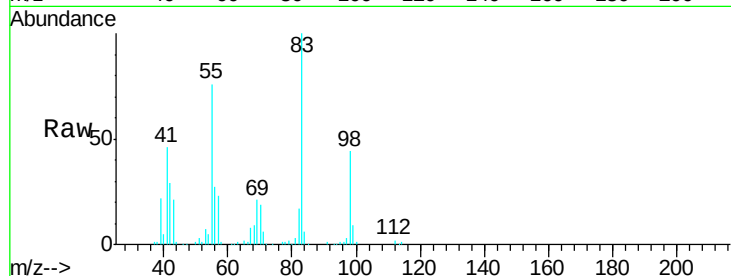




#39
Methylcyclohexane
Concen: 15.297 ug/l
RT: 9.33 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW013503.D
Acq: 09 Oct 2019 14:53

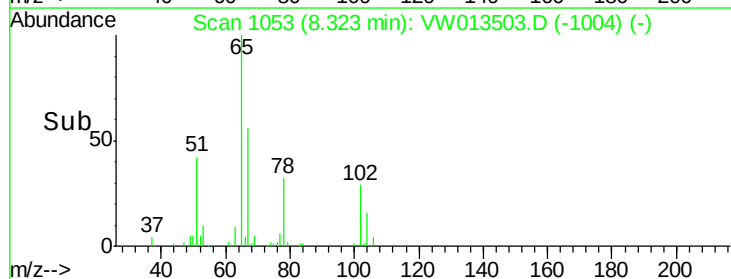
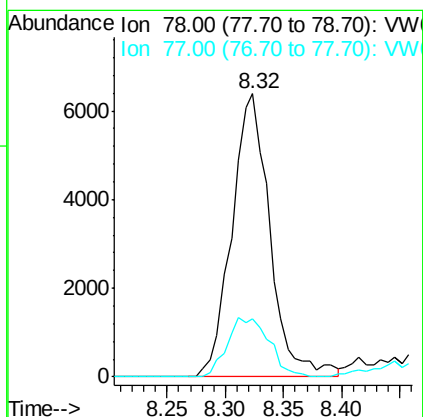
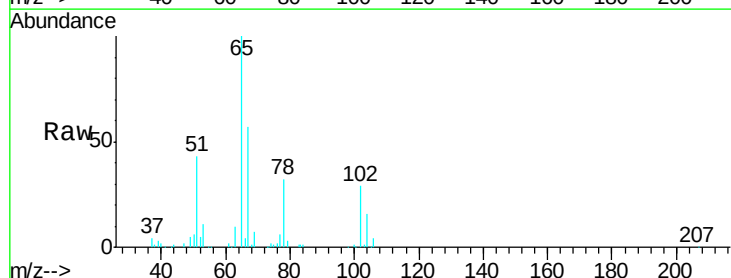
Instrument :
MSVOA_W
ClientSampleId :
E.OUTFALL-CREEK-SOIL-SP

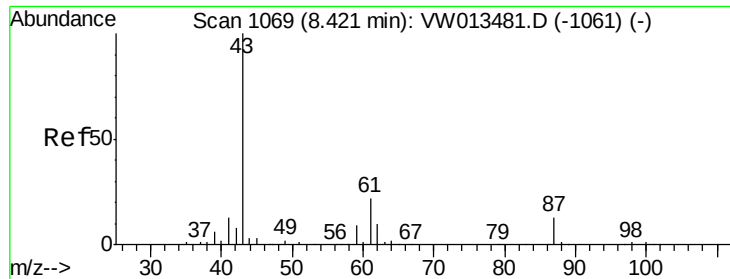
Tgt Ion: 83 Resp: 79244
Ion Ratio Lower Upper
83 100
55 75.7 58.2 87.4
98 44.4 39.8 59.6



#40
Benzene
Concen: 1.305 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW013503.D
Acq: 09 Oct 2019 14:53

Tgt Ion: 78 Resp: 14566
Ion Ratio Lower Upper
78 100
77 20.5 19.2 28.8





#43

Isopropyl Acetate

Concen: 2.066 ug/l

RT: 8.41 min Scan# 1068

Delta R.T. -0.01 min

Lab File: VW013503.D

Acq: 09 Oct 2019 14:53

Instrument :

MSVOA_W

ClientSampleId :

E.OUTFALL-CREEK-SOIL-SP

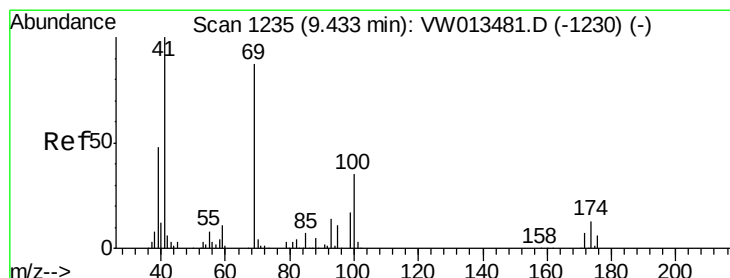
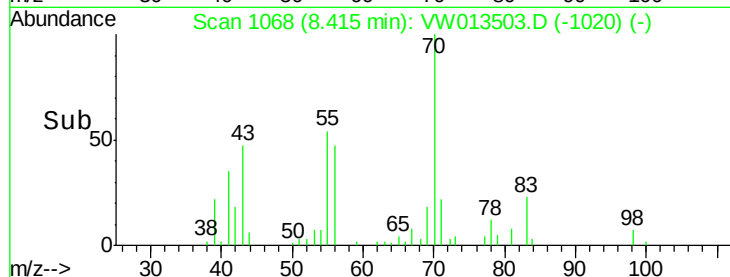
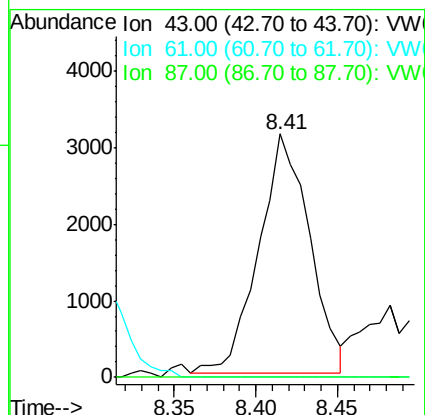
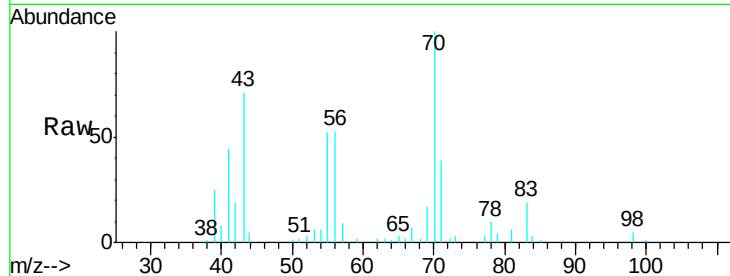
Tgt Ion: 43 Resp: 6773

Ion Ratio Lower Upper

43 100

61 0.0 25.4 38.2#

87 0.0 10.8 16.2#



#48

Methyl methacrylate

Concen: 4.441 ug/l

RT: 9.38 min Scan# 1227

Delta R.T. -0.05 min

Lab File: VW013503.D

Acq: 09 Oct 2019 14:53

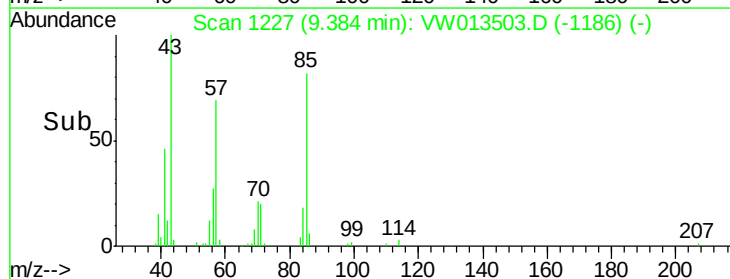
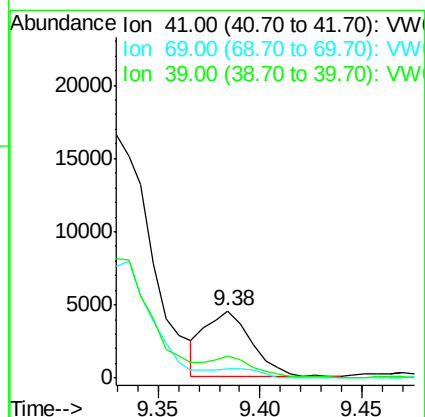
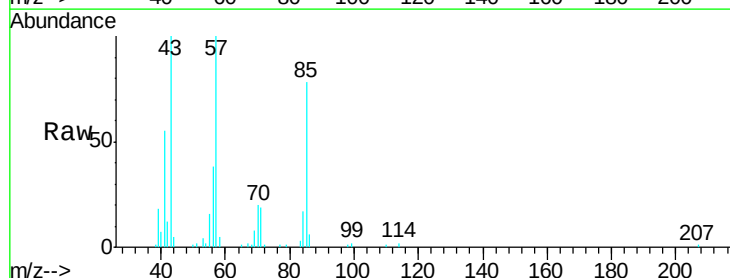
Tgt Ion: 41 Resp: 7170

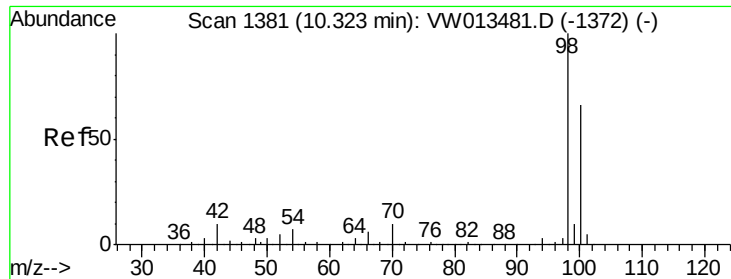
Ion Ratio Lower Upper

41 100

69 0.0 70.4 105.6#

39 31.0 37.3 55.9#

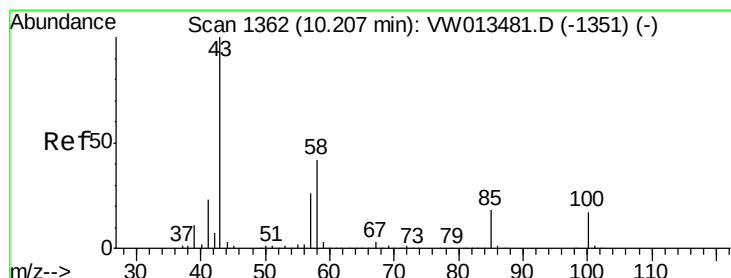
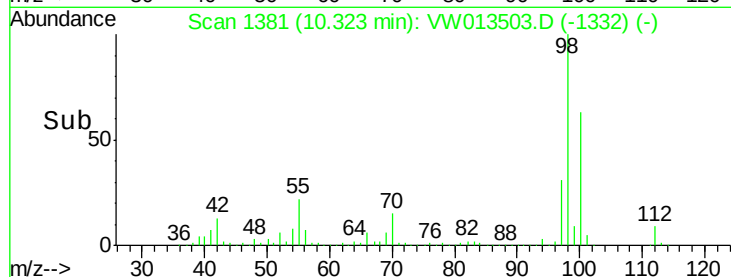
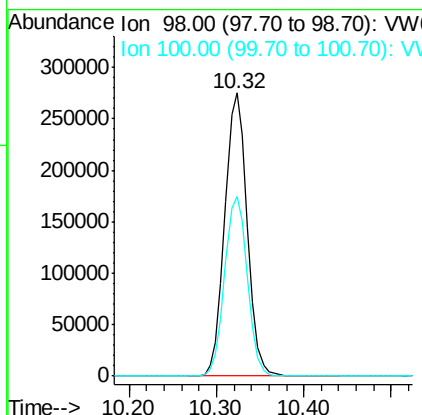
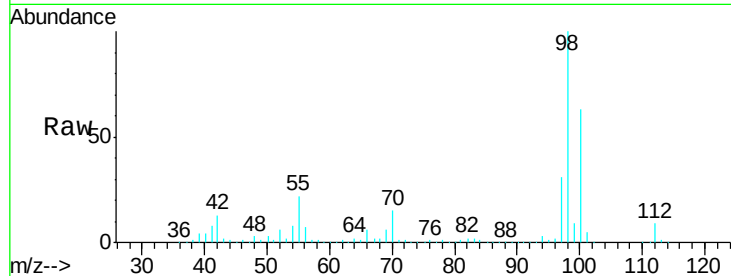




#50
Toluene-d8
Concen: 47.010 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013503.D
Acq: 09 Oct 2019 14:53

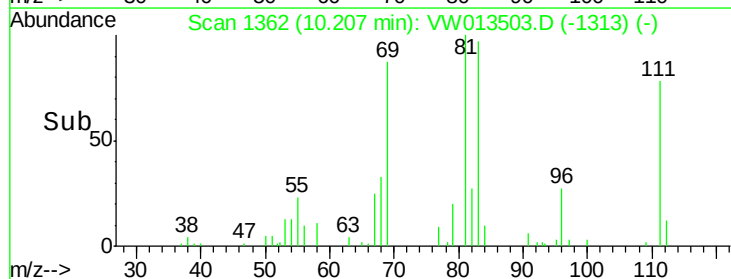
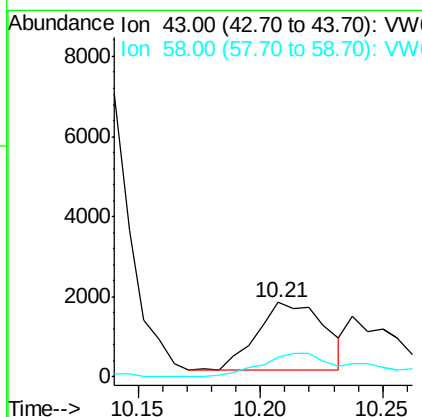
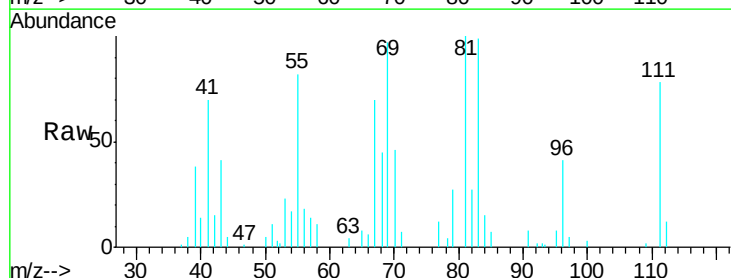
Instrument :
MSVOA_W
ClientSampleId :
E.OUTFALL-CREEK-SOIL-SP

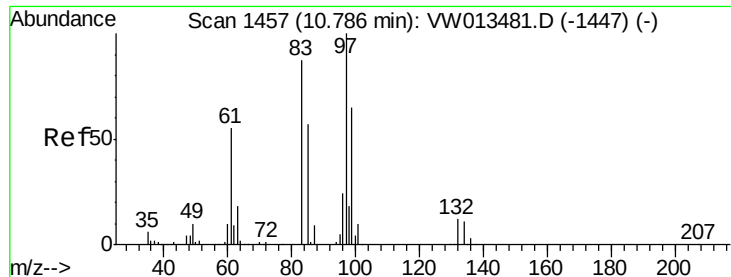
Tgt Ion: 98 Resp: 487702
Ion Ratio Lower Upper
98 100
100 64.2 53.2 79.8



#51
4-Methyl-2-Pentanone
Concen: 1.874 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW013503.D
Acq: 09 Oct 2019 14:53

Tgt Ion: 43 Resp: 3229
Ion Ratio Lower Upper
43 100
58 50.1 32.8 49.2#

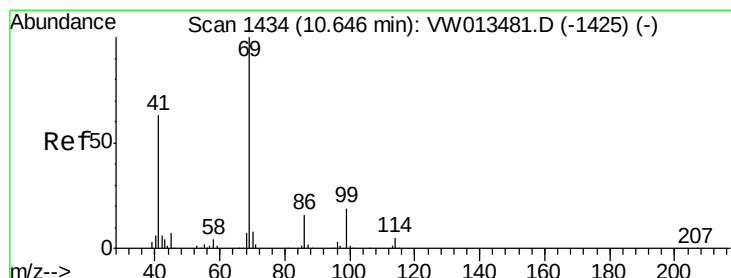
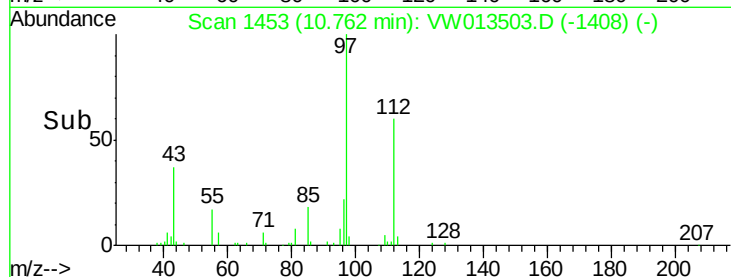
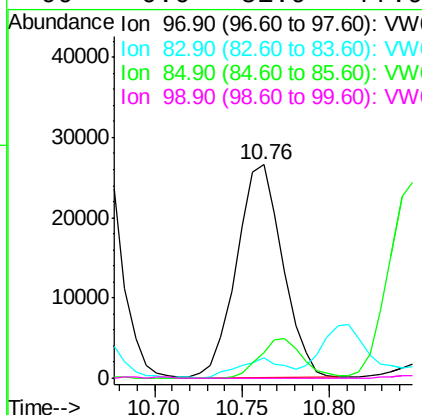
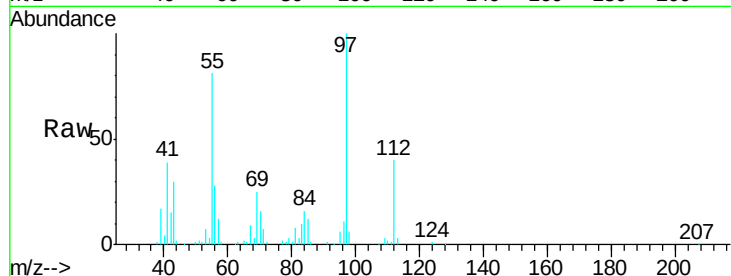




#55
 1,1,2-Trichloroethane
 Concen: 24.296 ug/l
 RT: 10.76 min Scan# 1453
 Delta R.T. -0.02 min
 Lab File: VW013503.D
 Acq: 09 Oct 2019 14:53

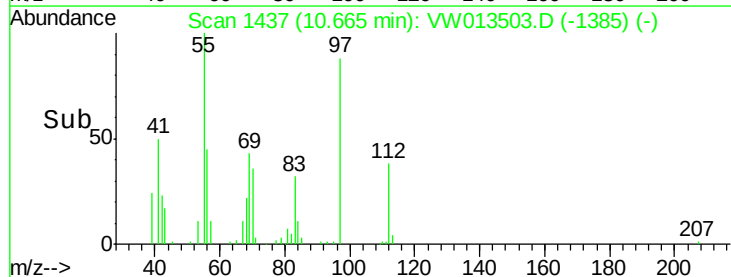
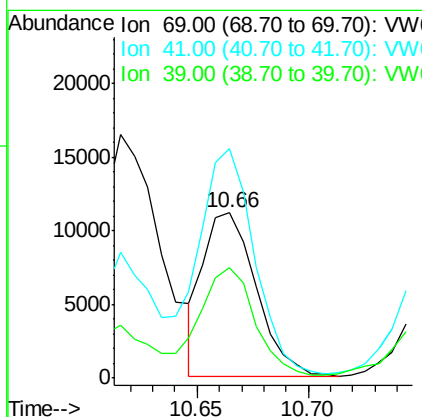
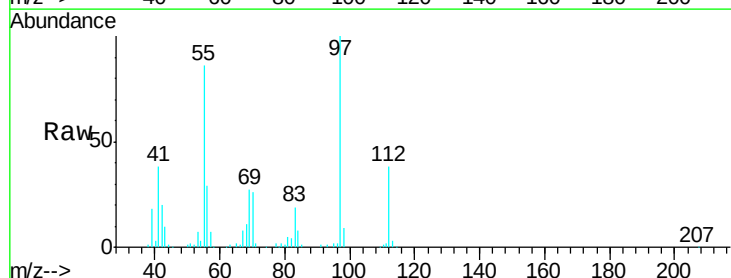
Instrument :
 MSVOA_W
 ClientSampleId :
 E.OUTFALL-CREEK-SOIL-SP

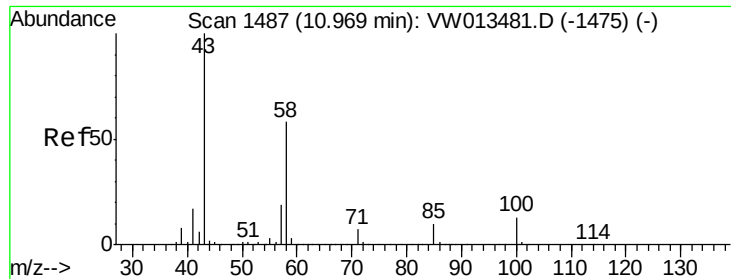
Tgt Ion: 97 Resp: 48671
 Ion Ratio Lower Upper
 97 100
 83 9.1 69.8 104.8#
 85 11.8 45.4 68.0#
 99 0.0 51.9 77.9#



#56
 Ethyl methacrylate
 Concen: 6.809 ug/l
 RT: 10.66 min Scan# 1437
 Delta R.T. 0.02 min
 Lab File: VW013503.D
 Acq: 09 Oct 2019 14:53

Tgt Ion: 69 Resp: 18372
 Ion Ratio Lower Upper
 69 100
 41 147.9 51.8 77.6#
 39 70.2 21.7 32.5#

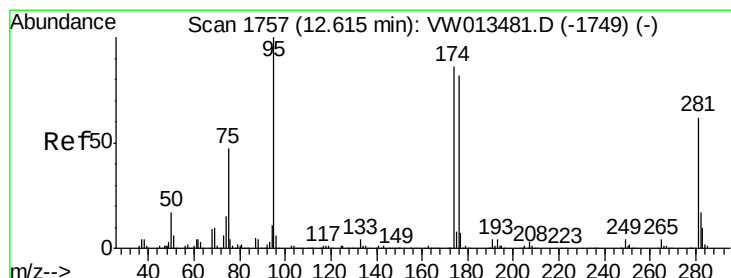
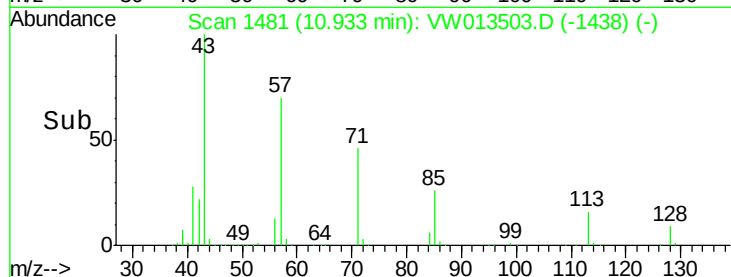
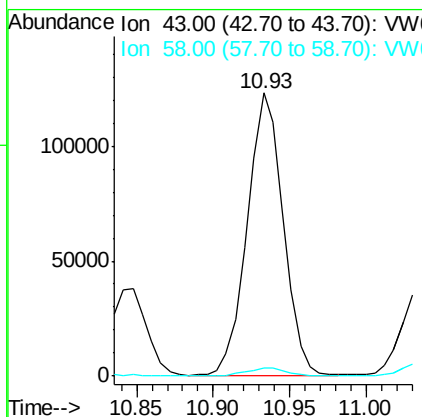
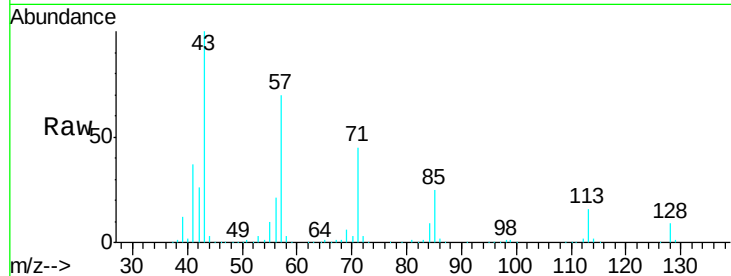




#59
2-Hexanone
Concen: 169.381 ug/l
RT: 10.93 min Scan# 1481
Delta R.T. -0.04 min
Lab File: VW013503.D
Acq: 09 Oct 2019 14:53

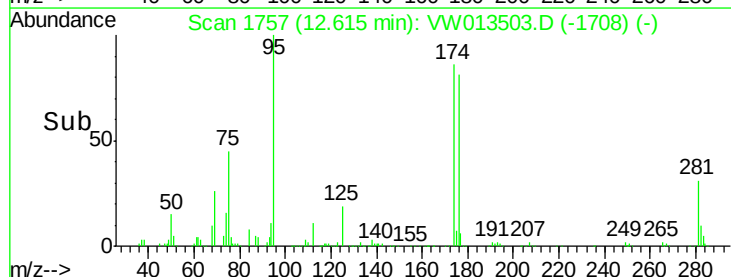
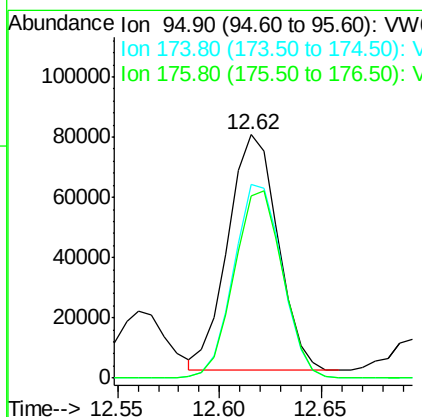
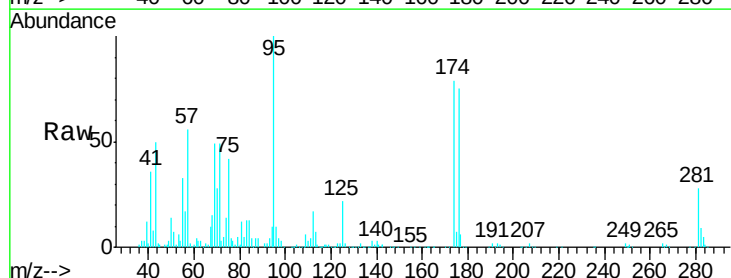
Instrument :
MSVOA_W
ClientSampleId :
E.OUTFALL-CREEK-SOIL-SP

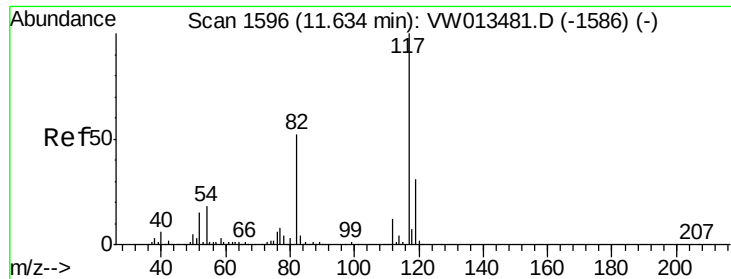
Tgt Ion: 43 Resp: 200139
Ion Ratio Lower Upper
43 100
58 3.5 28.4 85.2#



#62
4-Bromofluorobenzene
Concen: 38.222 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW013503.D
Acq: 09 Oct 2019 14:53

Tgt Ion: 95 Resp: 133206
Ion Ratio Lower Upper
95 100
174 79.7 0.0 177.4
176 77.5 0.0 173.4

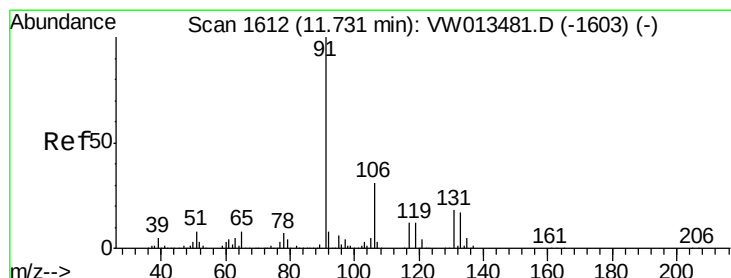
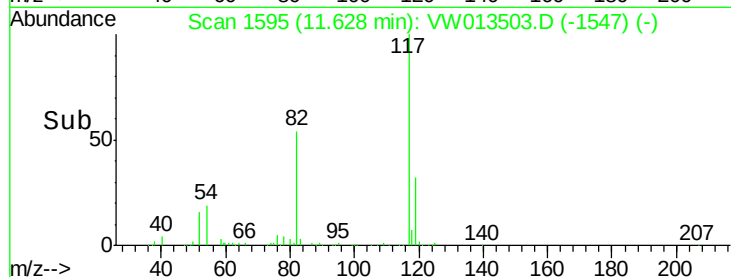
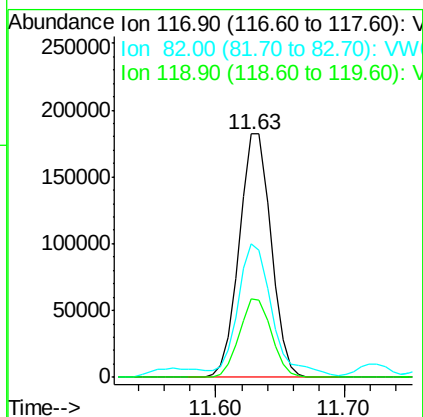
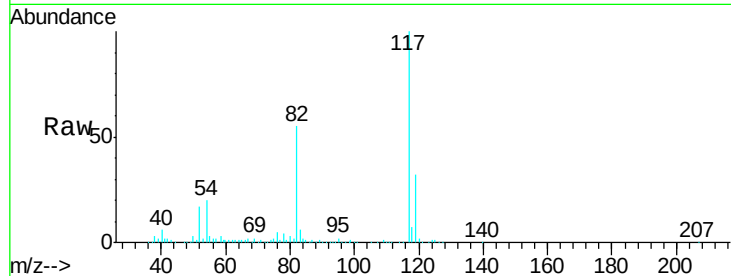




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013503.D
Acq: 09 Oct 2019 14:53

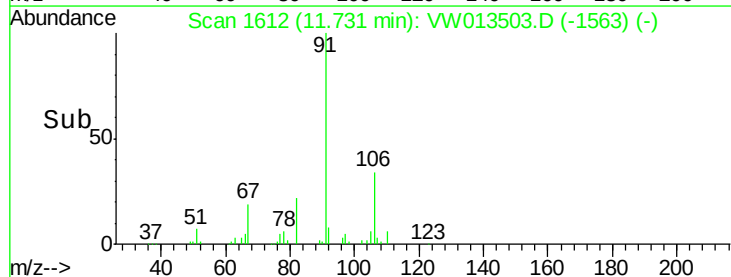
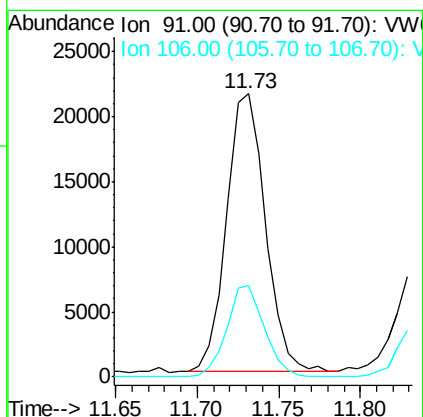
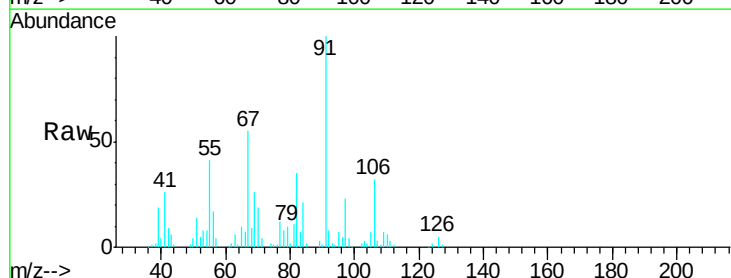
Instrument :
MSVOA_W
ClientSampleId :
E.OUTFALL-CREEK-SOIL-SP

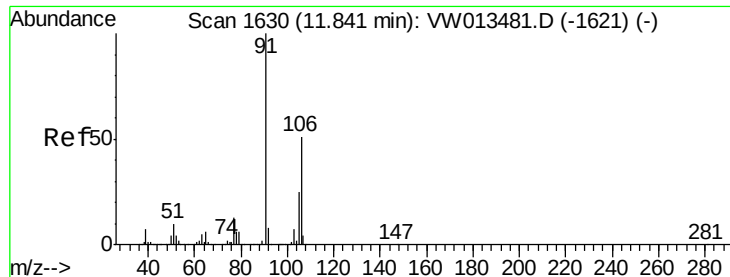
Tgt Ion: 117 Resp: 312676
Ion Ratio Lower Upper
117 100
82 54.3 41.4 62.2
119 32.3 25.1 37.7



#67
Ethyl Benzene
Concen: 3.132 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013503.D
Acq: 09 Oct 2019 14:53

Tgt Ion: 91 Resp: 35567
Ion Ratio Lower Upper
91 100
106 32.7 24.8 37.2





#68

m/p-Xylenes

Concen: 2.300 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW013503.D

Acq: 09 Oct 2019 14:53

Instrument :

MSVOA_W

ClientSampleId :

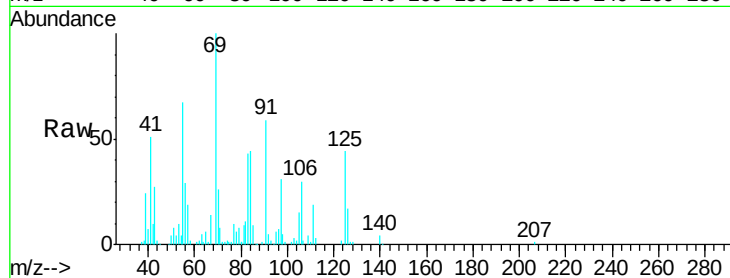
E.OUTFALL-CREEK-SOIL-SP

Tgt Ion:106 Resp: 9939

Ion Ratio Lower Upper

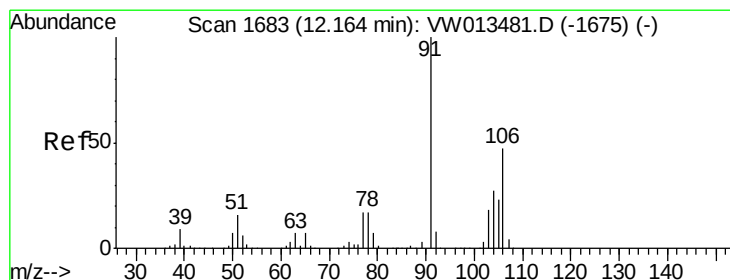
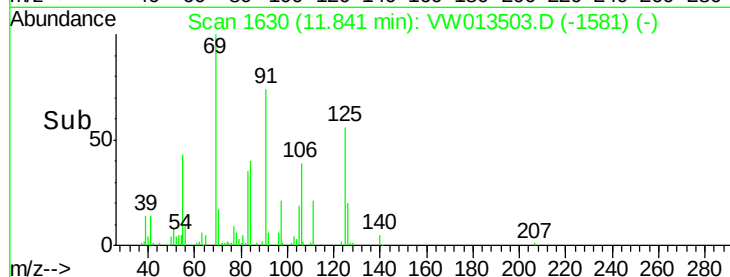
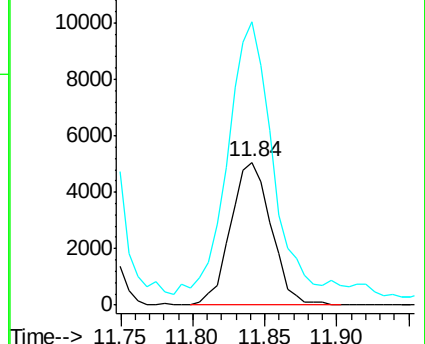
106 100

91 205.8 156.2 234.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#69

o-Xylene

Concen: 5.611 ug/l

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW013503.D

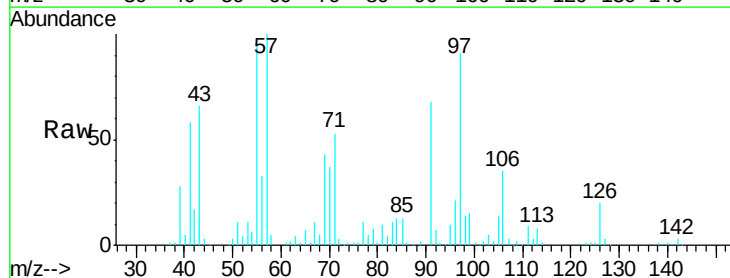
Acq: 09 Oct 2019 14:53

Tgt Ion:106 Resp: 22397

Ion Ratio Lower Upper

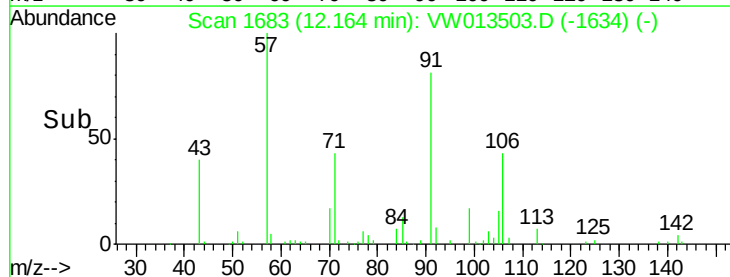
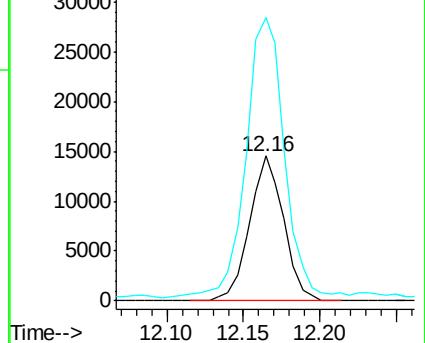
106 100

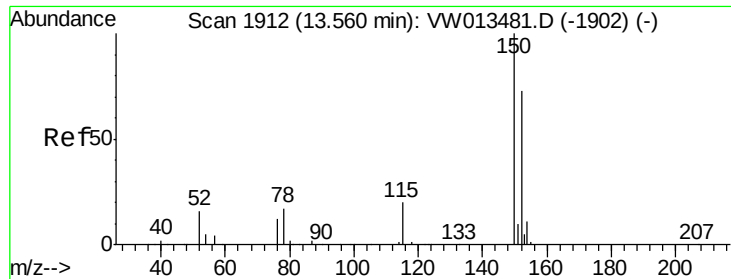
91 218.7 105.0 315.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW013503.D

Acq: 09 Oct 2019 14:53

Instrument :

MSVOA_W

ClientSampleId :

E.OUTFALL-CREEK-SOIL-SP

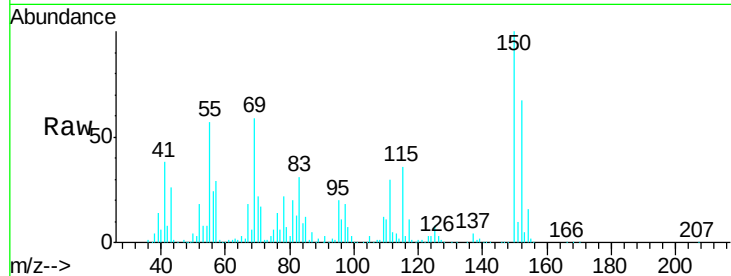
Tgt Ion:152 Resp: 99322

Ion Ratio Lower Upper

152 100

115 50.9 27.0 81.0

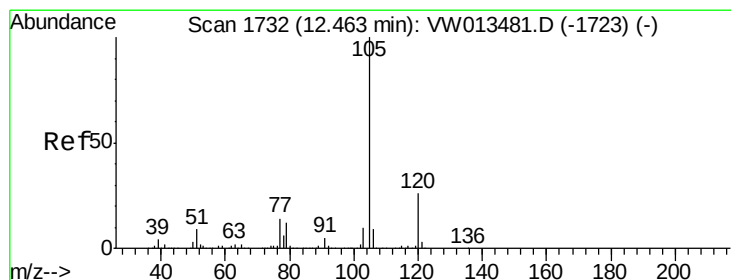
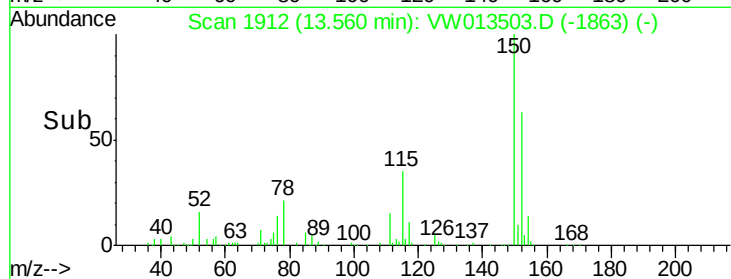
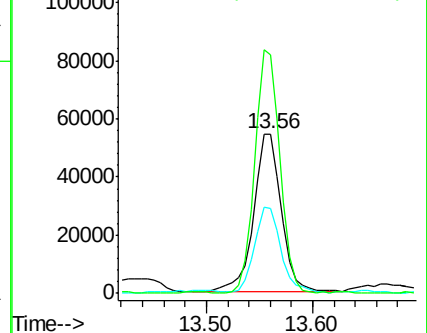
150 139.0 0.0 337.4



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



#73

Isopropylbenzene

Concen: 10.807 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013503.D

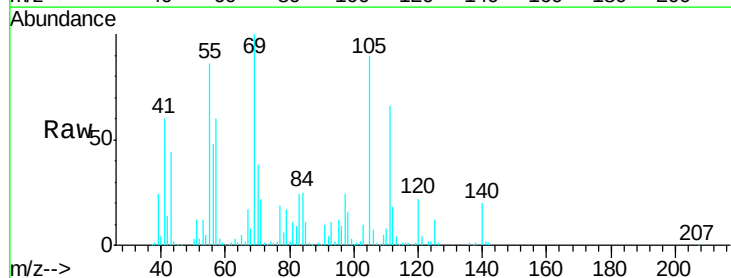
Acq: 09 Oct 2019 14:53

Tgt Ion:105 Resp: 76883

Ion Ratio Lower Upper

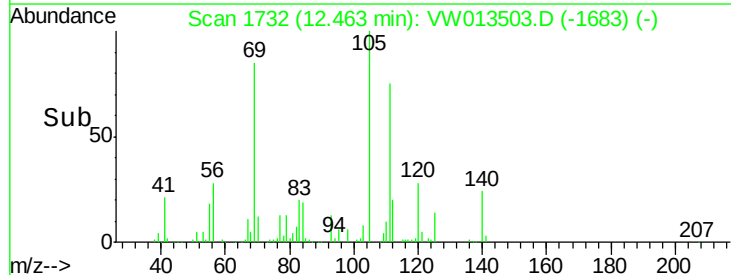
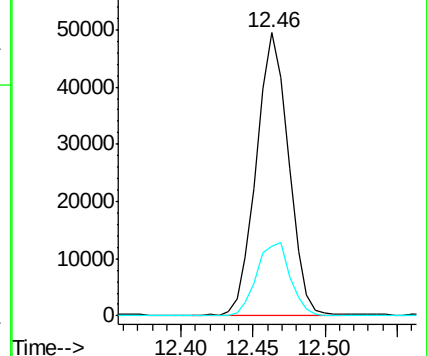
105 100

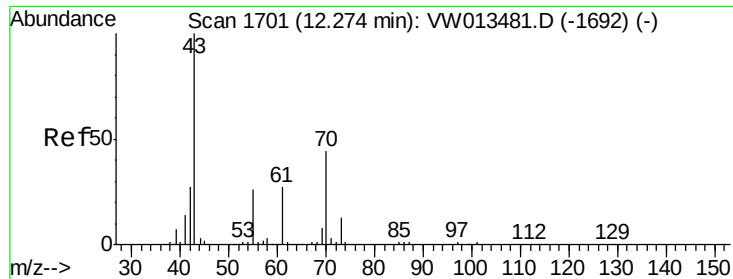
120 26.9 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-ethyl acetate

Concen: 226.490 ug/l

RT: 12.25 min Scan# 1697

Delta R.T. -0.02 min

Lab File: VW013503.D

Acq: 09 Oct 2019 14:53

Instrument :

MSVOA_W

ClientSampleId :

E.OUTFALL-CREEK-SOIL-SP

Tgt Ion: 43 Resp: 352414

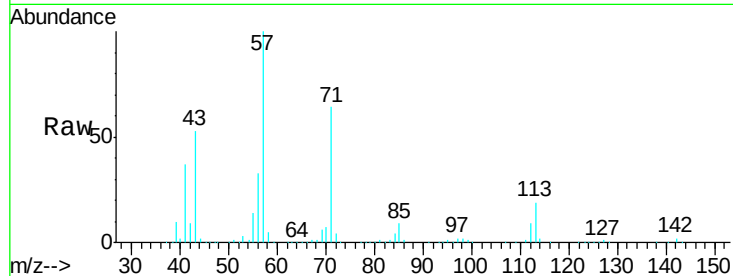
Ion Ratio Lower Upper

43 100

70 17.2 35.3 52.9#

55 38.0 20.0 30.0#

61 0.0 21.2 31.8#

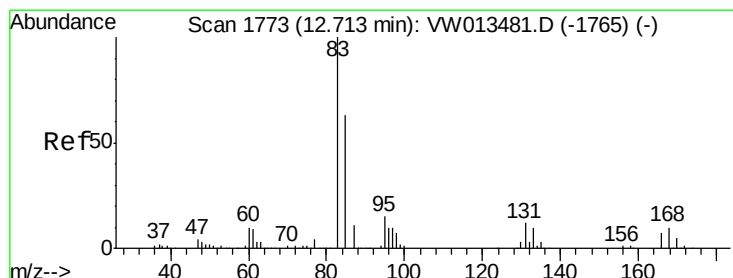
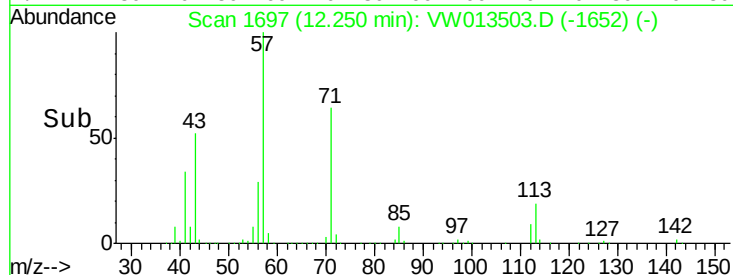
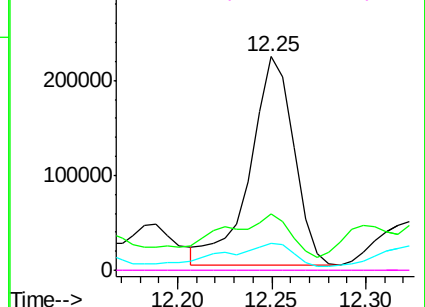


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#75

1,1,2,2-Tetrachloroethane

Concen: 21.594 ug/l

RT: 12.69 min Scan# 1769

Delta R.T. -0.02 min

Lab File: VW013503.D

Acq: 09 Oct 2019 14:53

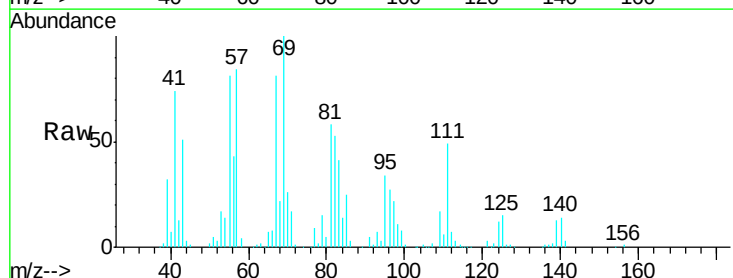
Tgt Ion: 83 Resp: 26186

Ion Ratio Lower Upper

83 100

131 0.0 5.9 17.7#

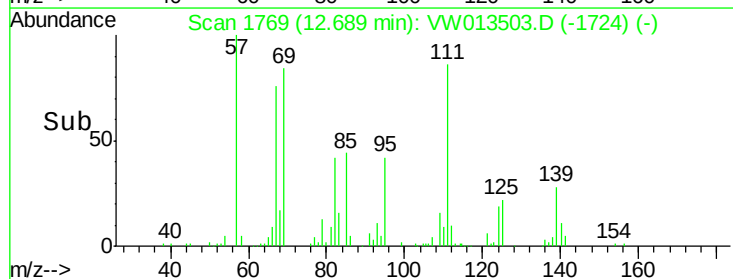
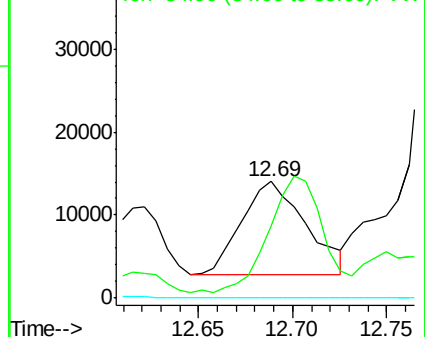
85 105.9 32.5 97.4#

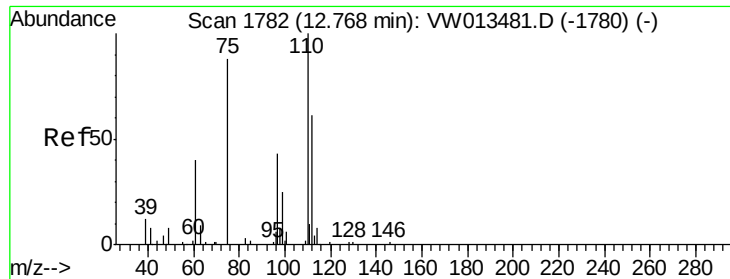


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW





#76

1,2,3-Trichloropropane

Concen: 66.631 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013503.D

Acq: 09 Oct 2019 14:53

Instrument :

MSVOA_W

ClientSampleId :

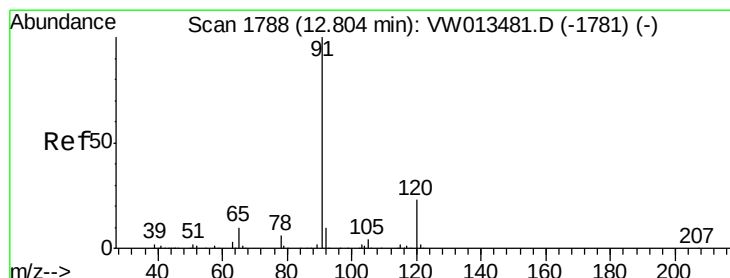
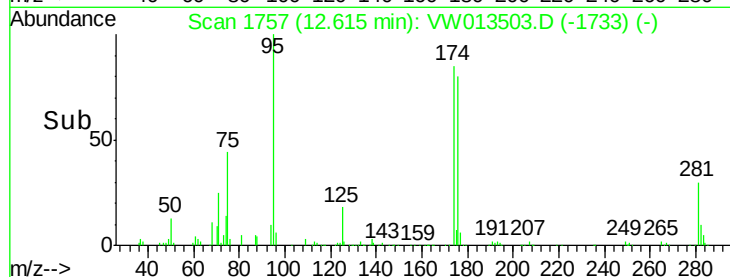
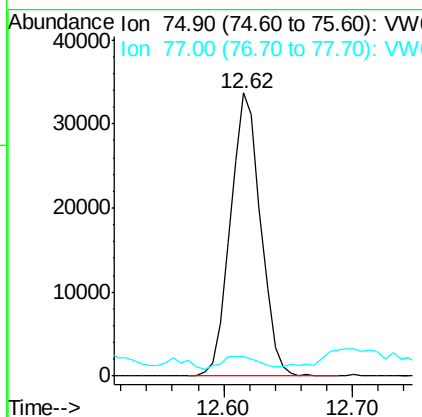
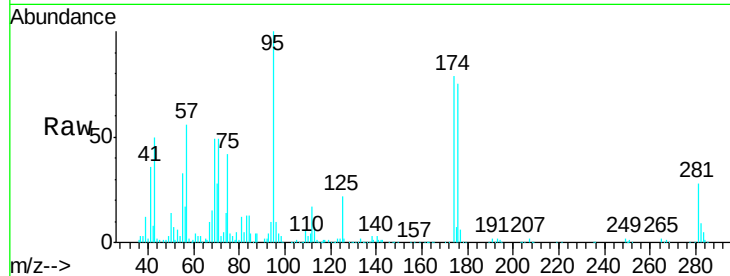
E.OUTFALL-CREEK-SOIL-SP

Tgt Ion: 75 Resp: 55118

Ion Ratio Lower Upper

75 100

77 5.4 0.0 0.0#



#78

n-propylbenzene

Concen: 2.538 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW013503.D

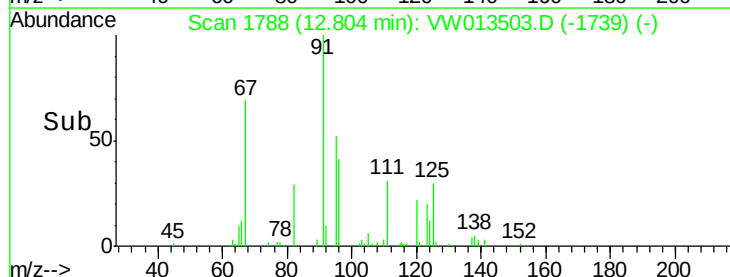
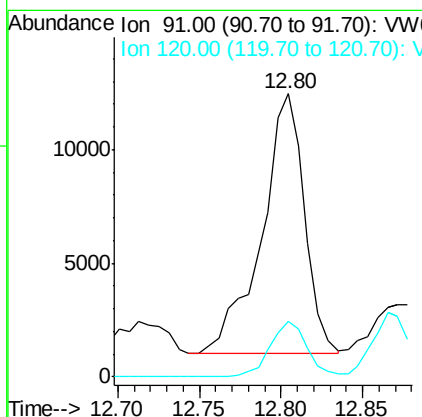
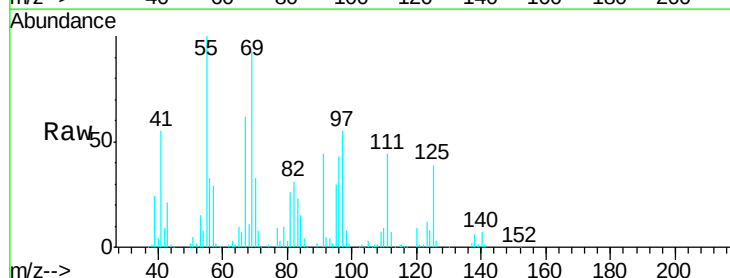
Acq: 09 Oct 2019 14:53

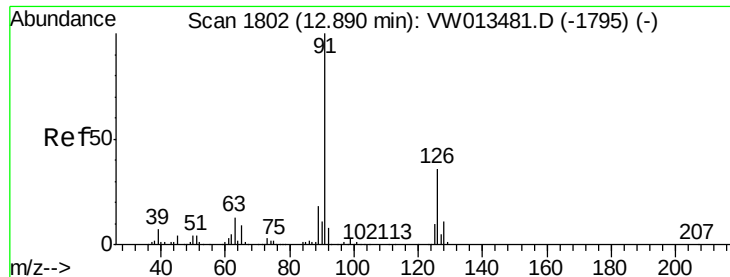
Tgt Ion: 91 Resp: 20876

Ion Ratio Lower Upper

91 100

120 18.5 11.7 35.1





#79

2-Chlorotoluene

Concen: 2.229 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.01 min

Lab File: VW013503.D

Acq: 09 Oct 2019 14:53

Instrument :

MSVOA_W

ClientSampleId :

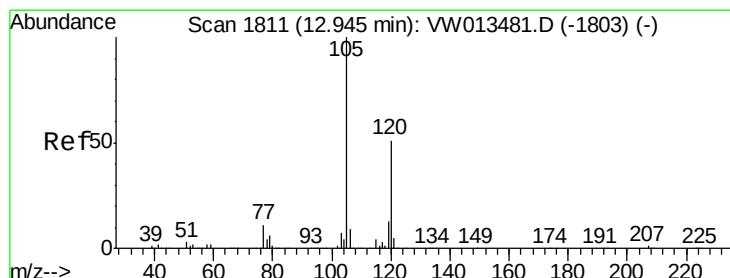
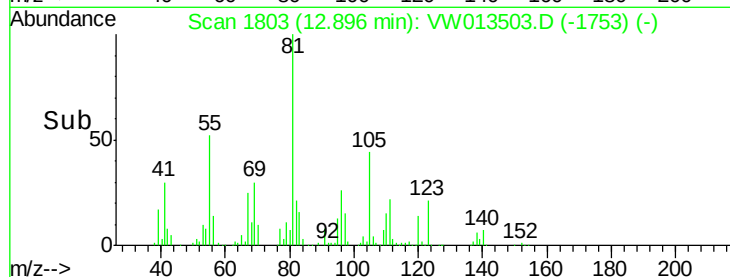
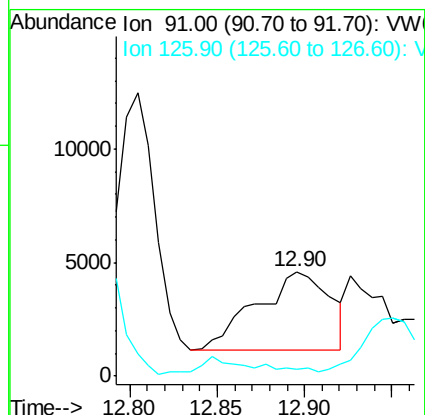
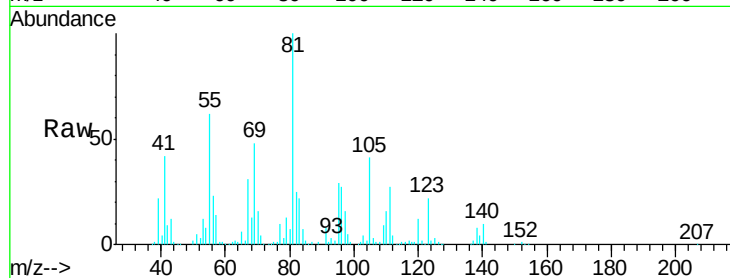
E.OUTFALL-CREEK-SOIL-SP

Tgt Ion: 91 Resp: 10274

Ion Ratio Lower Upper

91 100

126 0.0 17.8 53.4#



#80

1,3,5-Trimethylbenzene

Concen: 34.726 ug/l

RT: 13.10 min Scan# 1837

Delta R.T. 0.16 min

Lab File: VW013503.D

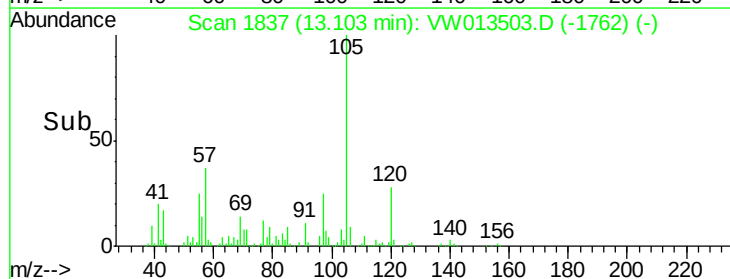
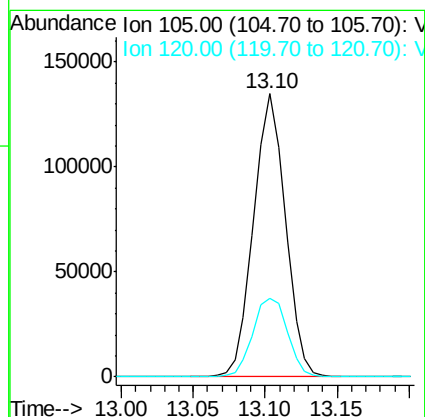
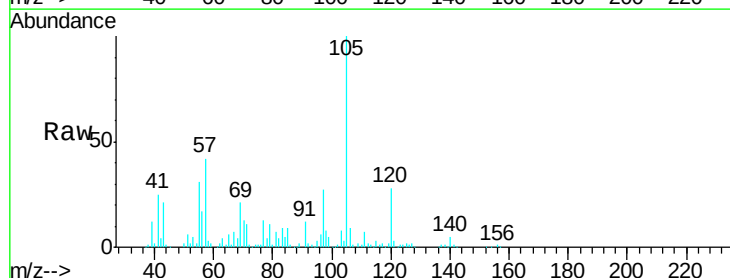
Acq: 09 Oct 2019 14:53

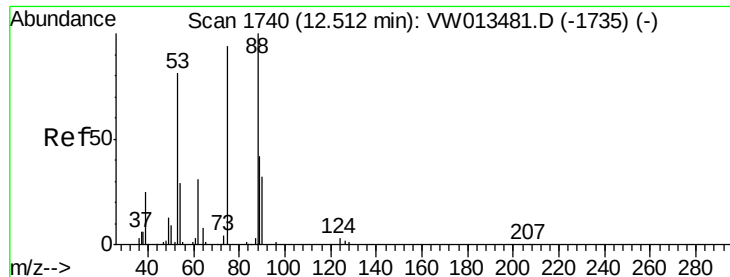
Tgt Ion: 105 Resp: 205279

Ion Ratio Lower Upper

105 100

120 30.4 25.4 76.0





#81

trans-1,4-Dichloro-2-butene

Concen: 136.205 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013503.D

Acq: 09 Oct 2019 14:53

Instrument :

MSVOA_W

ClientSampleId :

E.OUTFALL-CREEK-SOIL-SP

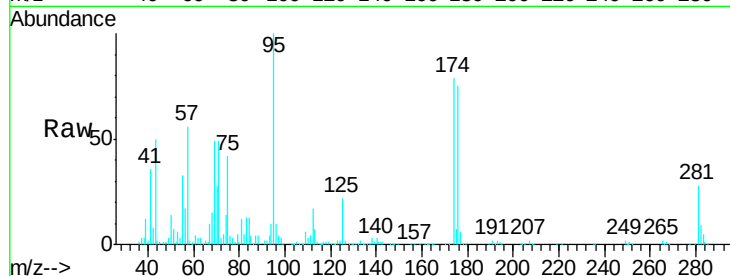
Tgt Ion: 75 Resp: 55118

Ion Ratio Lower Upper

75 100

53 12.5 71.0 106.6#

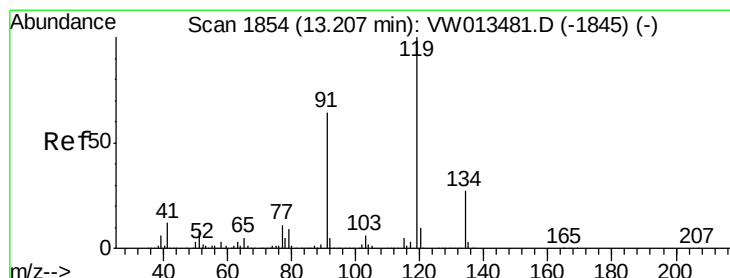
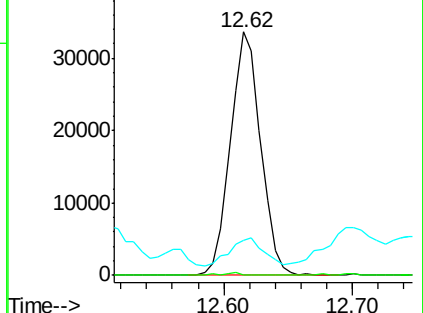
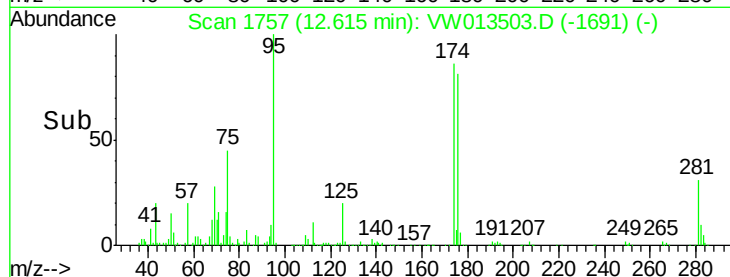
89 0.1 36.1 54.1#



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



#83

tert-Butylbenzene

Concen: 1.400 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW013503.D

Acq: 09 Oct 2019 14:53

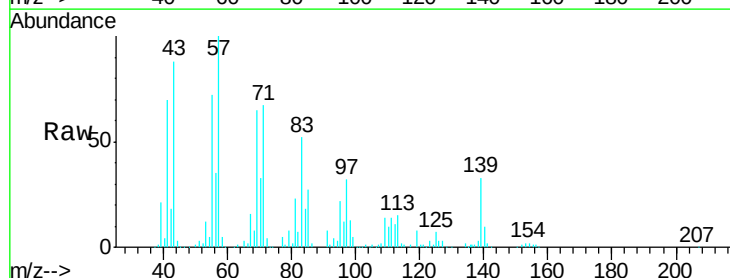
Tgt Ion: 119 Resp: 7351

Ion Ratio Lower Upper

119 100

91 88.8 30.6 91.6

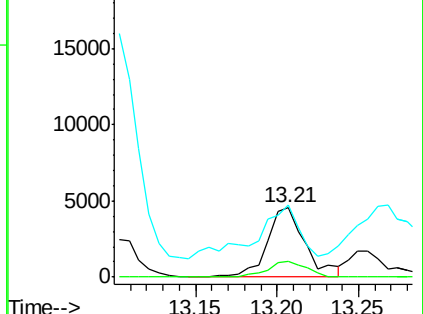
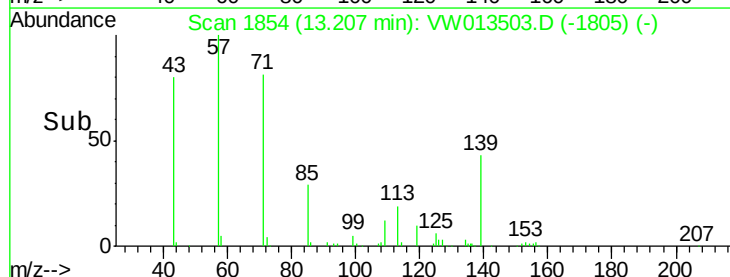
134 22.7 13.8 41.3

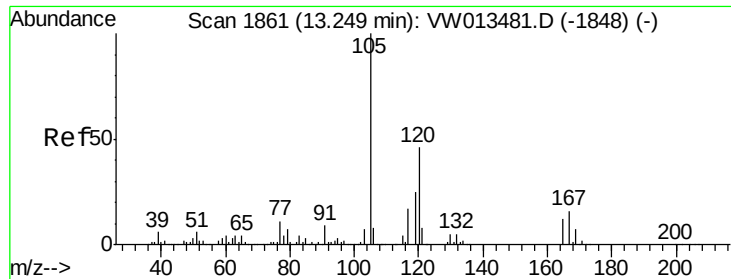


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V

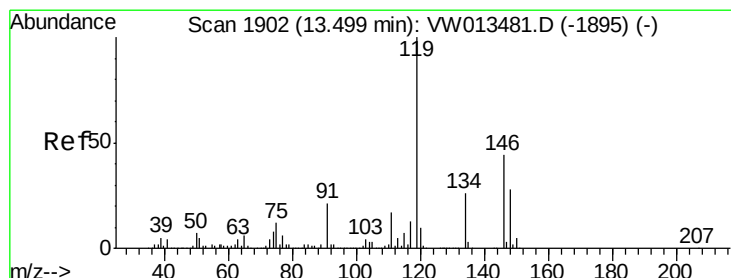
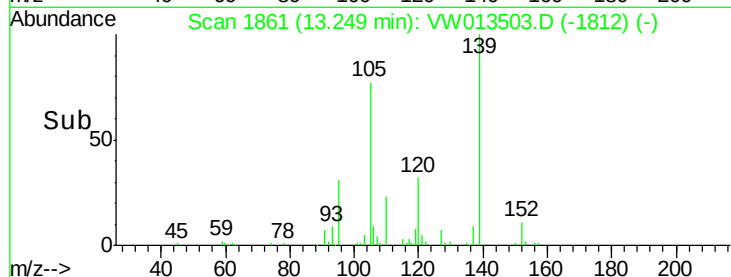
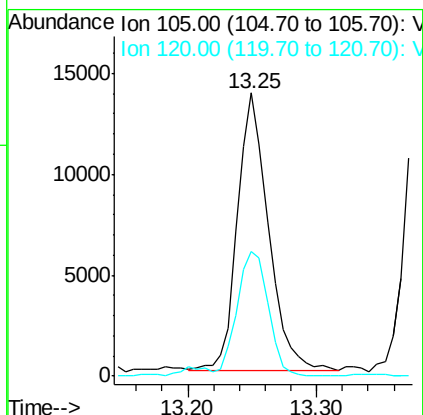
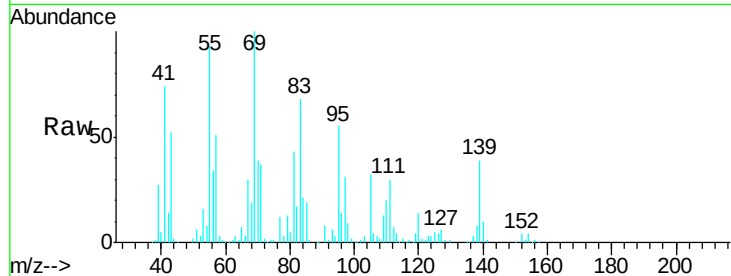




#84
 1,2,4-Trimethylbenzene
 Concen: 3.919 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW013503.D
 Acq: 09 Oct 2019 14:53

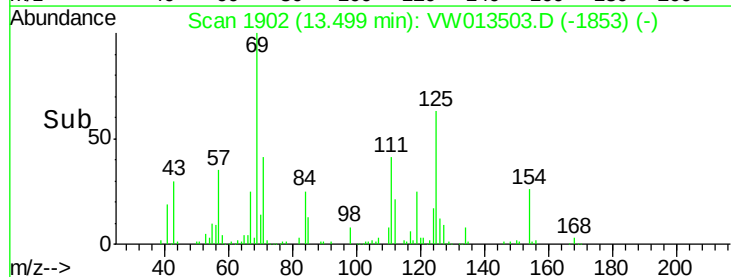
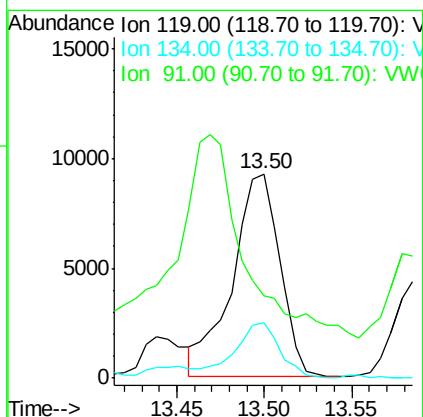
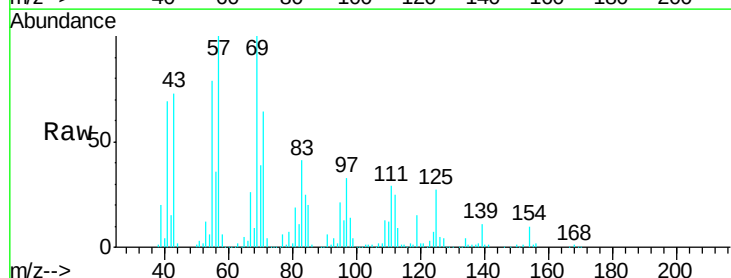
Instrument :
 MSVOA_W
 ClientSampleId :
 E.OUTFALL-CREEK-SOIL-SP

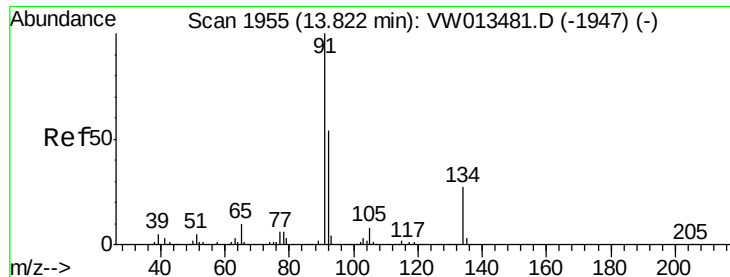
Tgt Ion:105 Resp: 22912
 Ion Ratio Lower Upper
 105 100
 120 45.1 23.2 69.5



#86
 p-Isopropyltoluene
 Concen: 2.623 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013503.D
 Acq: 09 Oct 2019 14:53

Tgt Ion:119 Resp: 17479
 Ion Ratio Lower Upper
 119 100
 134 25.6 13.1 39.1
 91 0.0 10.8 32.3#





#89

n-Butylbenzene

Concen: 1.257 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW013503.D

Acq: 09 Oct 2019 14:53

Instrument :

MSVOA_W

ClientSampleId :

E.OUTFALL-CREEK-SOIL-SP

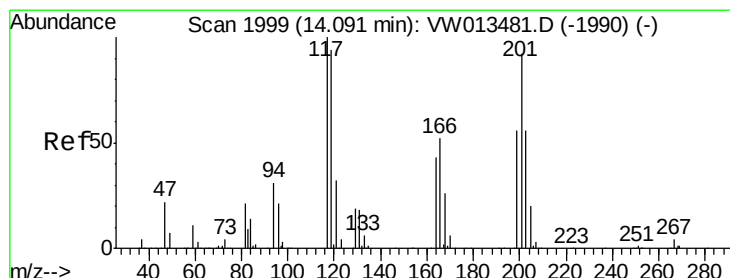
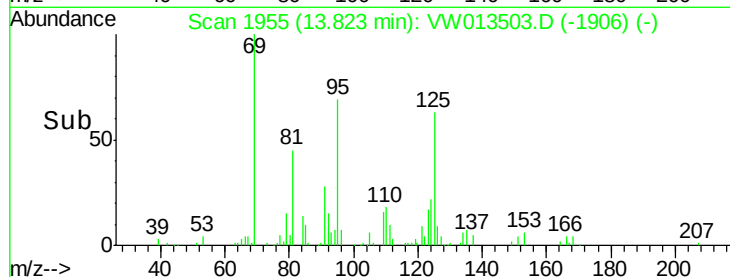
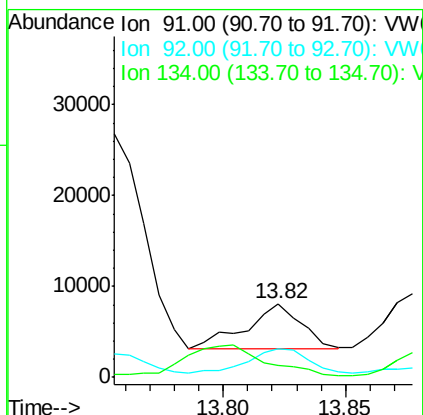
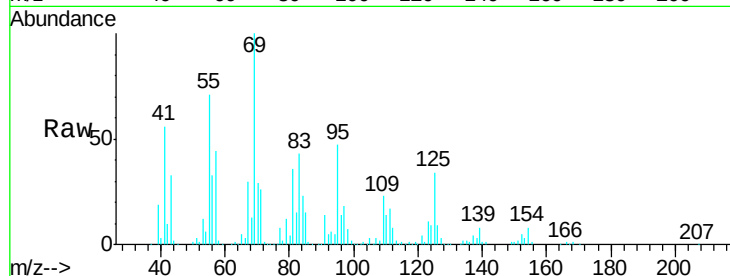
Tgt Ion: 91 Resp: 7565

Ion Ratio Lower Upper

91 100

92 59.8 27.5 82.4

134 100.5 13.8 41.3#



#90

Hexachloroethane

Concen: 9.168 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.01 min

Lab File: VW013503.D

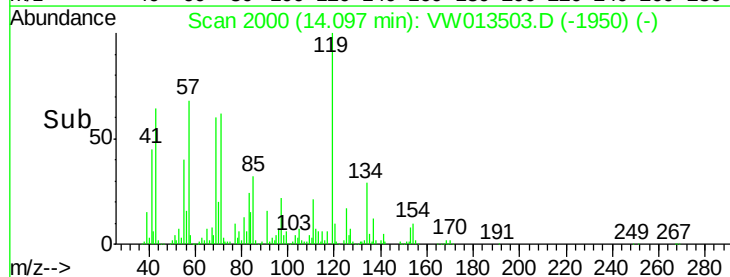
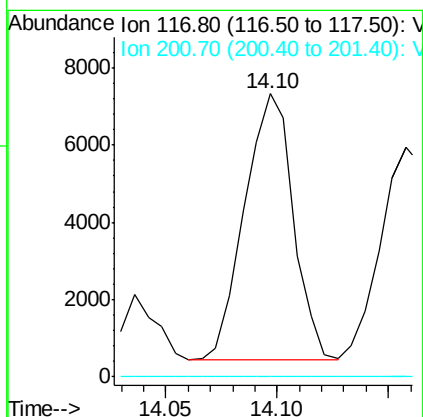
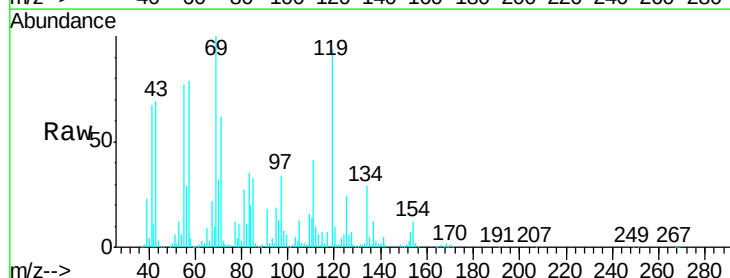
Acq: 09 Oct 2019 14:53

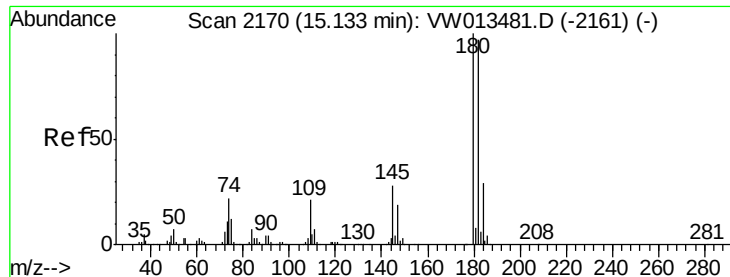
Tgt Ion: 117 Resp: 10455

Ion Ratio Lower Upper

117 100

201 0.0 46.9 140.7#

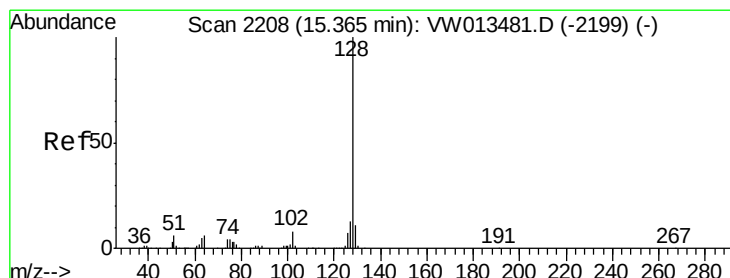
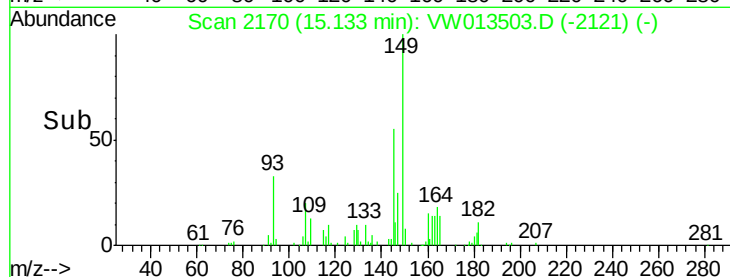
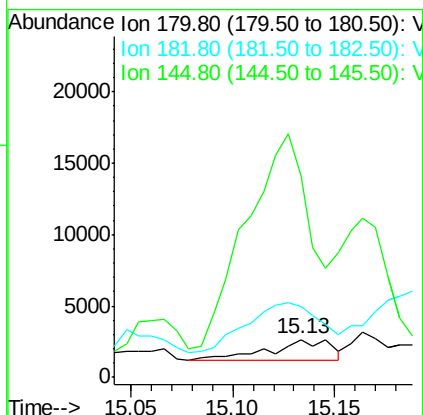
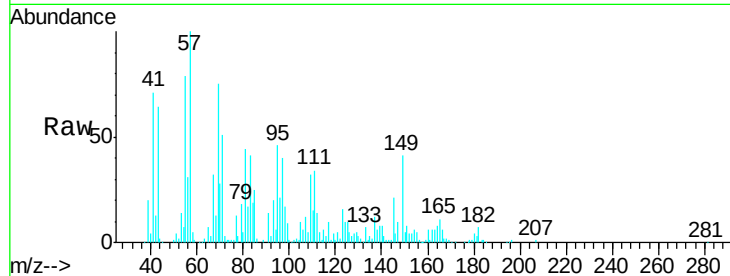




#93
 1,2,4-Trichlorobenzene
 Concen: 1.562 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013503.D
 Acq: 09 Oct 2019 14:53

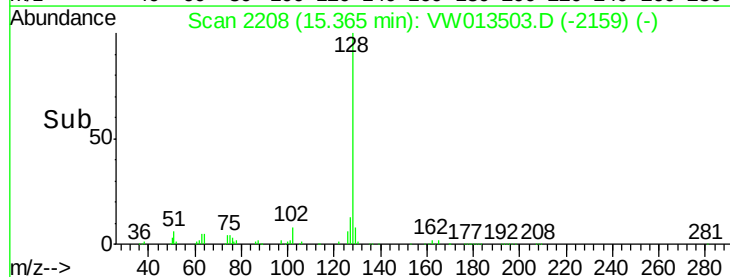
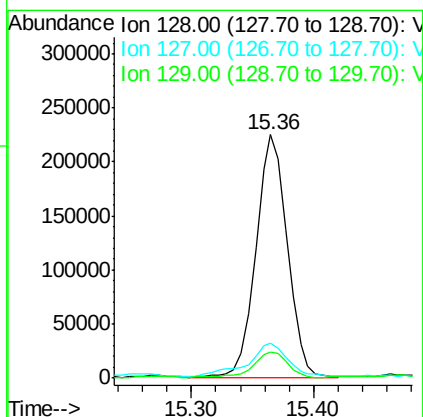
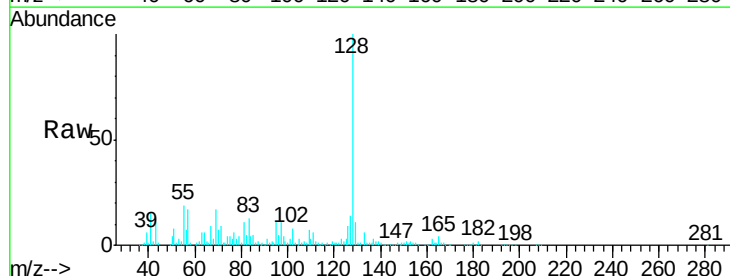
Instrument :
 MSVOA_W
 ClientSampleId :
 E.OUTFALL-CREEK-SOIL-SP

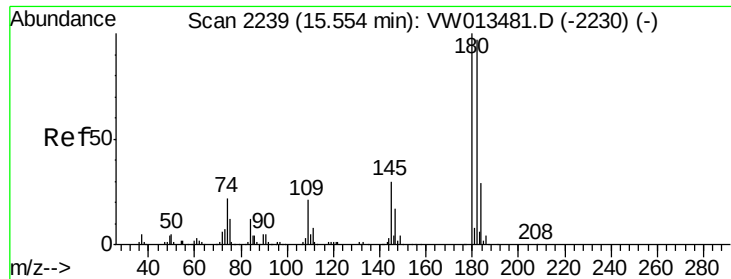
Tgt Ion:180 Resp: 3117
 Ion Ratio Lower Upper
 180 100
 182 288.2 47.7 143.1#
 145 1275.3 14.0 41.9#



#95
 Naphthalene
 Concen: 115.933 ug/l
 RT: 15.36 min Scan# 2208
 Delta R.T. 0.00 min
 Lab File: VW013503.D
 Acq: 09 Oct 2019 14:53

Tgt Ion:128 Resp: 400137
 Ion Ratio Lower Upper
 128 100
 127 18.0 10.6 16.0#
 129 11.3 8.8 13.2

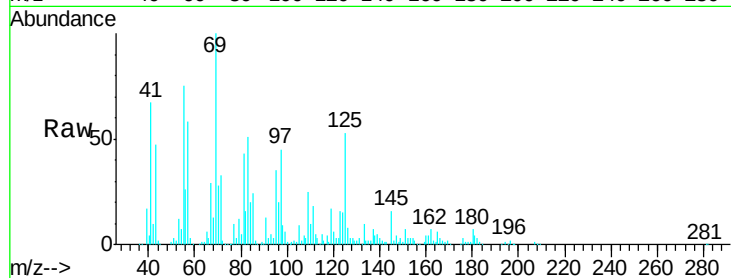




#96
 1,2,3-Trichlorobenzene
 Concen: 3.588 ug/l
 RT: 15.57 min Scan# 2241
 Delta R.T. 0.01 min
 Lab File: VW013503.D
 Acq: 09 Oct 2019 14:53

Instrument :
 MSVOA_W
 ClientSampleId :
 E.OUTFALL-CREEK-SOIL-SP

Tgt Ion:180 Resp: 6261
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.7 143.1#
 145 417.6 14.9 44.9#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

