

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW031119\
 Data File : VW009101.D
 Acq On : 11 Mar 2019 21:46
 Operator : SY/VA
 Sample : K1822-02
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 3-8-BOD

Quant Time: Mar 12 08:14:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	264048	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	417066	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	307617	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.45	152	136483	50.00	ug/l	-0.11

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	164370	61.87	ug/l	0.00
Spiked Amount						
						Recovery = 123.74%
35) Dibromofluoromethane	7.88	113	134223	53.45	ug/l	0.00
Spiked Amount						
						Recovery = 106.90%
50) Toluene-d8	10.32	98	538064	52.17	ug/l	0.00
Spiked Amount						
						Recovery = 104.34%
62) 4-Bromofluorobenzene	12.62	95	252339	62.15	ug/l	0.00
Spiked Amount						
						Recovery = 124.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.16	59	245	1.203	ug/l #	1
13) Acrolein	3.89	56	576	2.571	ug/l	84
16) Acetone	4.14	43	4818	8.037	ug/l #	88
18) Methyl Acetate	4.68	43	3610	2.619	ug/l #	86
20) Methylene Chloride	4.92	84	5233	Below Cal		86
25) 2-Butanone	7.19	43	862	1.040	ug/l #	50
31) Cyclohexane	7.95	56	9959	2.010	ug/l #	55
36) 1,1-Dichloropropene	7.95	75	20835	4.778	ug/l #	44
37) Ethyl Acetate	7.26	43	12709	6.204	ug/l #	94
38) Carbon Tetrachloride	7.95	117	26409	5.864	ug/l #	18
39) Methylcyclohexane	9.34	83	88296	16.999	ug/l	99
40) Benzene	8.32	78	27511	2.363	ug/l	100
48) Methyl methacrylate	9.52	41	5600	3.152	ug/l #	66
49) 1,4-Dioxane	9.45	88	31	1.360	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	90976	46.973	ug/l	100
52) Toluene	10.38	92	59812	7.576	ug/l	100
55) 1,1,2-Trichloroethane	10.76	97	449578	208.309	ug/l #	21
56) Ethyl methacrylate	10.66	69	70596	26.356	ug/l #	1
59) 2-Hexanone	10.93	43	106179	77.974	ug/l #	32
67) Ethyl Benzene	11.73	91	479789	39.665	ug/l	99
68) m/p-Xylenes	11.84	106	1590007	333.022	ug/l	98
69) o-Xylene	12.16	106	803418	180.851	ug/l	96
70) Styrene	12.16	104	47773	6.647	ug/l #	1
73) Isopropylbenzene	12.46	105	384653	39.356	ug/l	98
74) N-amyl acetate	12.26	43	357521	154.521	ug/l #	46
75) 1,1,2,2-Tetrachloroethane	12.68	83	118361	76.772	ug/l #	26
76) 1,2,3-Trichloropropane	12.80	75	8192	7.597	ug/l #	1
78) n-propylbenzene	12.80	91	1220675	101.395	ug/l	99
79) 2-Chlorotoluene	12.87	91	583805	86.312	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.94	105	4474272	531.083	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.46	75	5502	11.413	ug/l #	1
82) 4-Chlorotoluene	12.94	91	573715	79.571	ug/l #	51
83) tert-Butylbenzene	13.26	119	1501662	211.342	ug/l #	64
84) 1,2,4-Trimethylbenzene	13.26	105	11768072	1380.845	ug/l	97

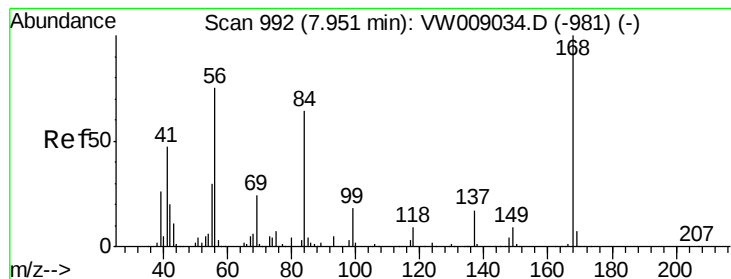
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW031119\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) sec-Butylbenzene	13.39	105	854975	81.214	ug/l #	77
86) p-Isopropyltoluene	13.51	119	891538	94.667	ug/l	99
89) n-Butylbenzene	13.83	91	659096	73.618	ug/l #	74
90) Hexachloroethane	14.10	117	179809	110.704	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	14.46	75	11152	40.613	ug/l #	3
93) 1,2,4-Trichlorobenzene	15.18	180	90411	32.331	ug/l #	1
95) Naphthalene	15.37	128	5722932	1250.211	ug/l	100
96) 1,2,3-Trichlorobenzene	15.58	180	304817	123.962	ug/l #	13

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009101.D

Acq: 11 Mar 2019 21:46

Instrument :

MSVOA_W

ClientSampled :

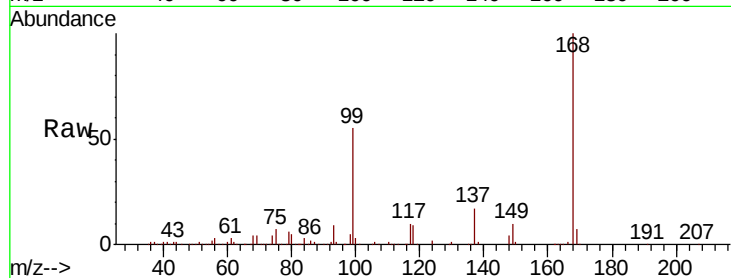
3-8-BOD

Tgt Ion: 168 Resp: 264048

Ion Ratio Lower Upper

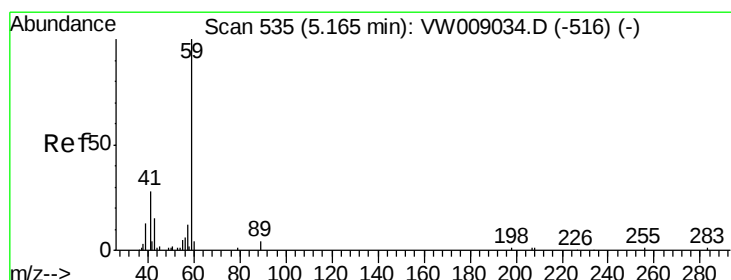
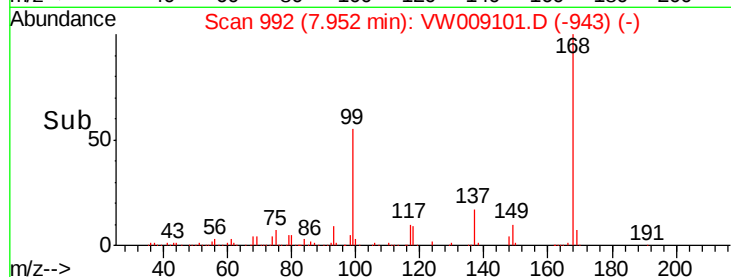
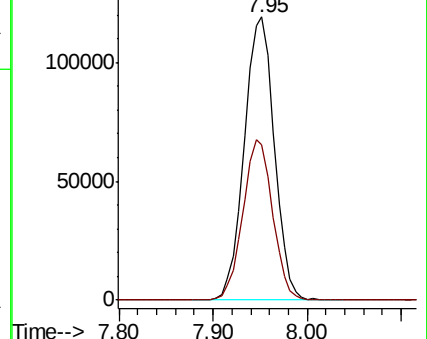
168 100

99 55.0 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 1.203 ug/l

RT: 5.16 min Scan# 534

Delta R.T. -0.01 min

Lab File: VW009101.D

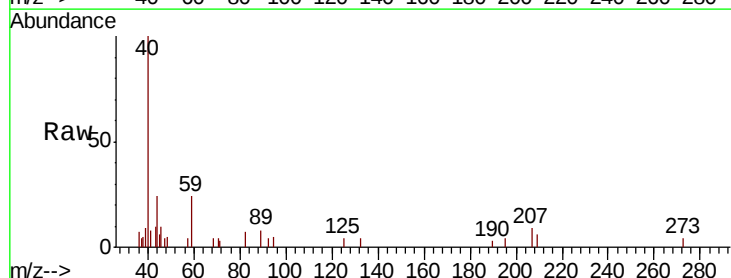
Acq: 11 Mar 2019 21:46

Tgt Ion: 59 Resp: 245

Ion Ratio Lower Upper

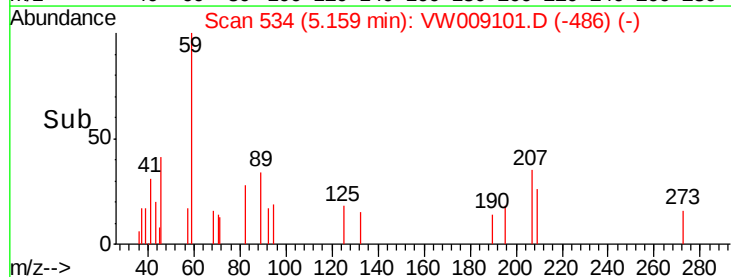
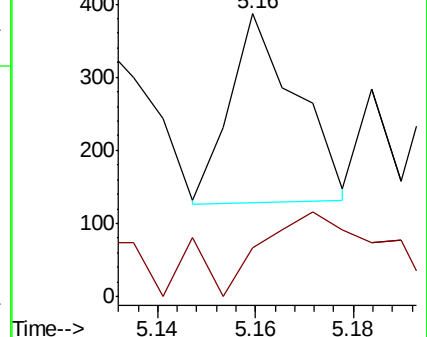
59 100

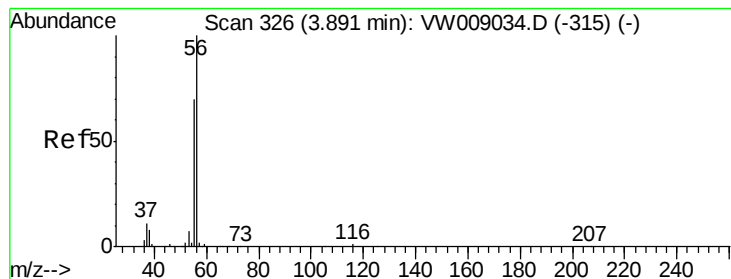
57 89.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 2.571 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW009101.D

Acq: 11 Mar 2019 21:46

Instrument :

MSVOA_W

ClientSampleId :

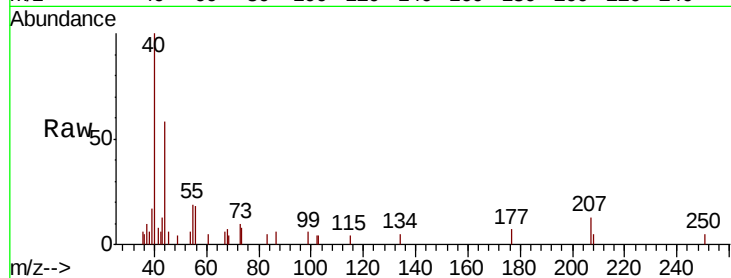
3-8-BOD

Tgt Ion: 56 Resp: 576

Ion Ratio Lower Upper

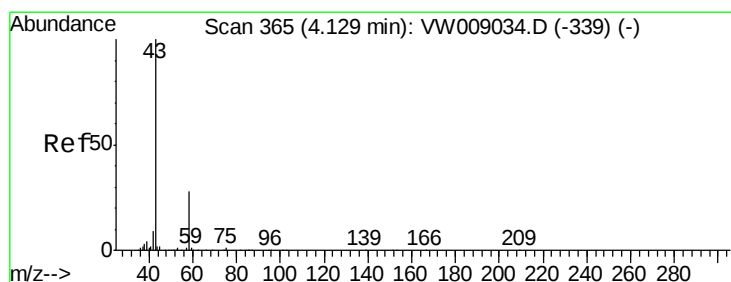
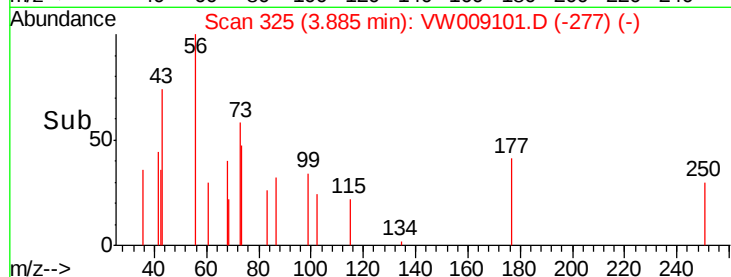
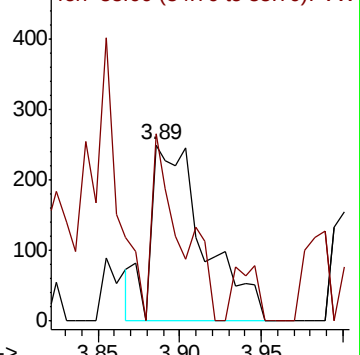
56 100

55 57.6 56.6 84.8



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: 8.037 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW009101.D

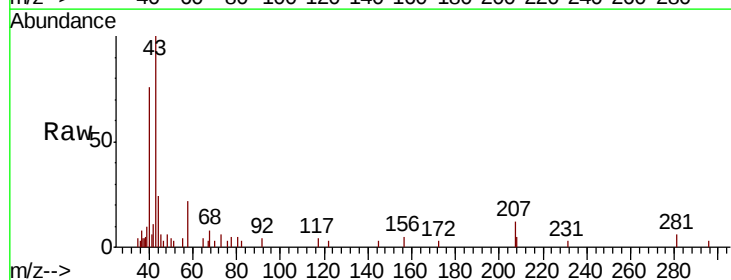
Acq: 11 Mar 2019 21:46

Tgt Ion: 43 Resp: 4818

Ion Ratio Lower Upper

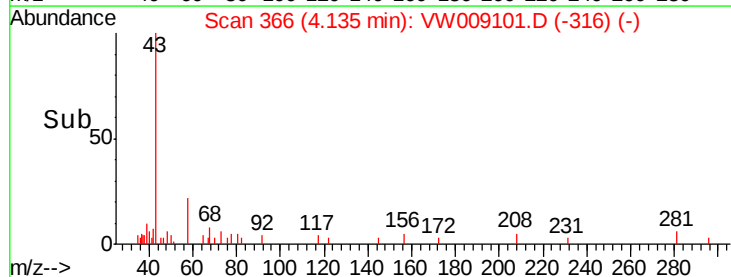
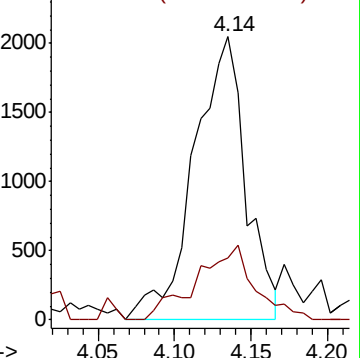
43 100

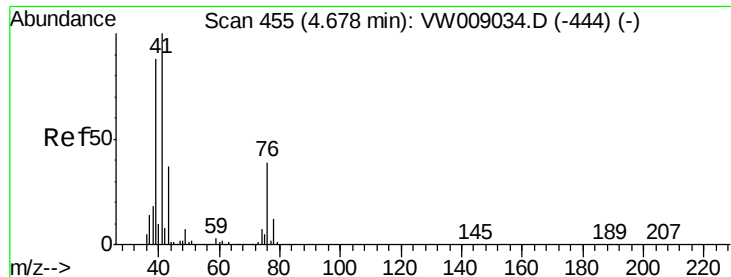
58 22.0 22.5 33.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

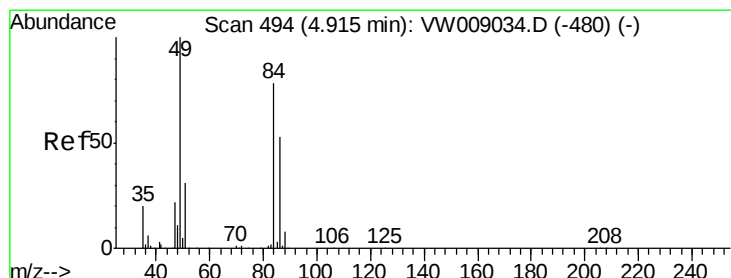
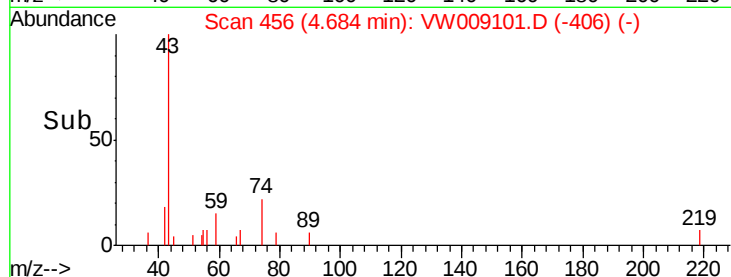
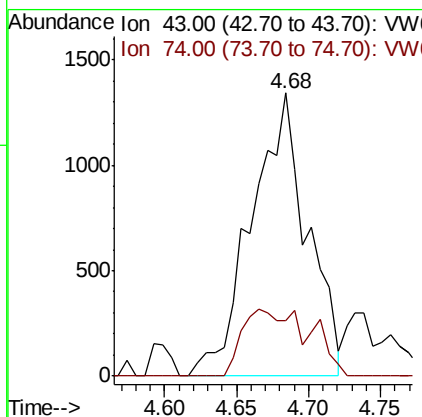
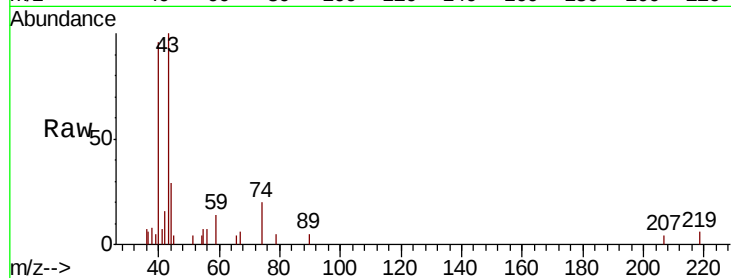




#18
Methyl Acetate
Concen: 2.619 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW009101.D
Acq: 11 Mar 2019 21:46

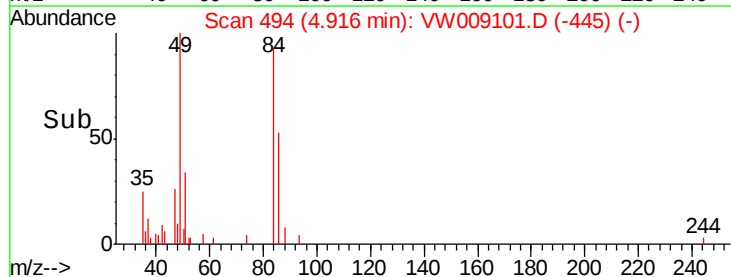
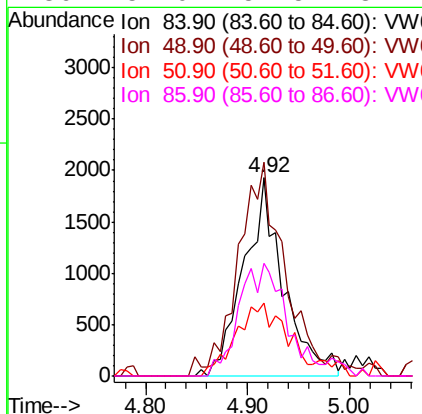
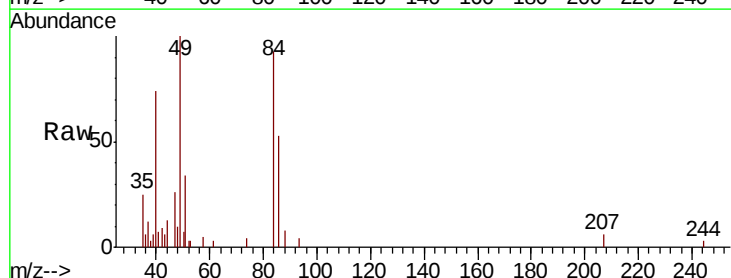
Instrument :
MSVOA_W
ClientSampleId :
3-8-BOD

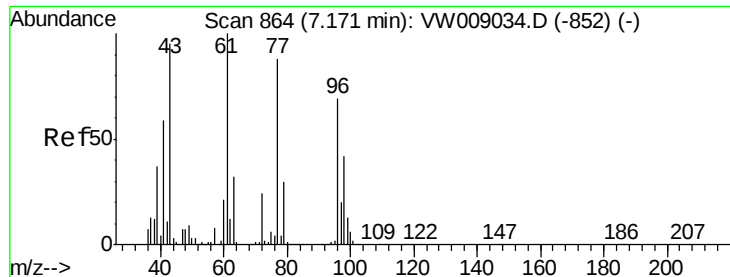
Tgt Ion: 43 Resp: 3610
Ion Ratio Lower Upper
43 100
74 28.6 17.6 26.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW009101.D
Acq: 11 Mar 2019 21:46

Tgt Ion: 84 Resp: 5233
Ion Ratio Lower Upper
84 100
49 107.7 102.4 153.6
51 37.1 31.6 47.4
86 57.0 54.5 81.7





#25

2-Butanone

Concen: 1.040 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.02 min

Lab File: VW009101.D

Acq: 11 Mar 2019 21:46

Instrument :

MSVOA_W

ClientSampled :

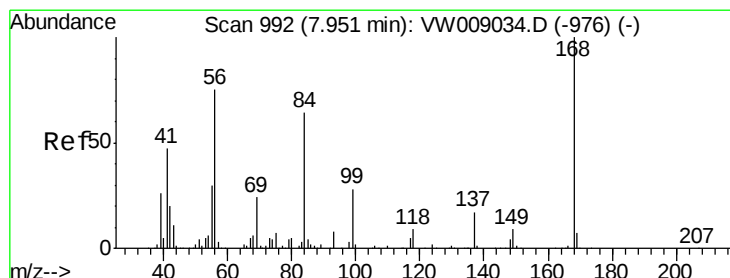
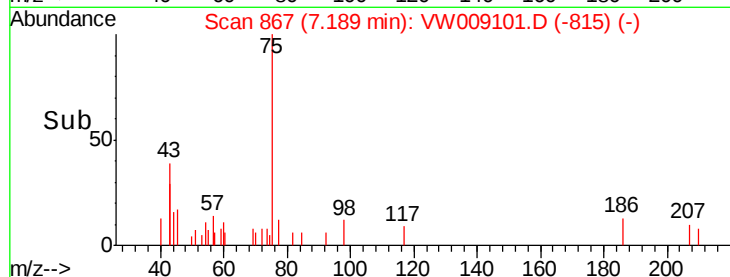
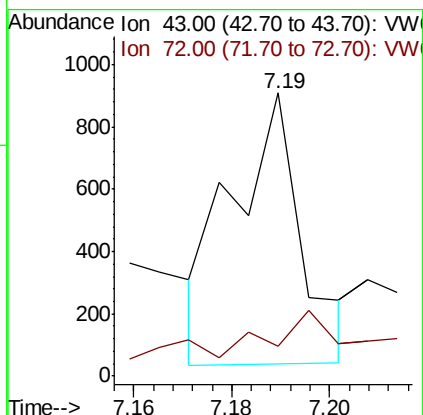
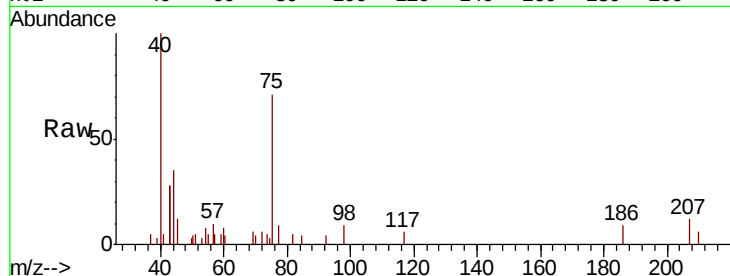
3-8-BOD

Tgt Ion: 43 Resp: 862

Ion Ratio Lower Upper

43 100

72 0.0 20.0 30.0#



#31

Cyclohexane

Concen: 2.010 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009101.D

Acq: 11 Mar 2019 21:46

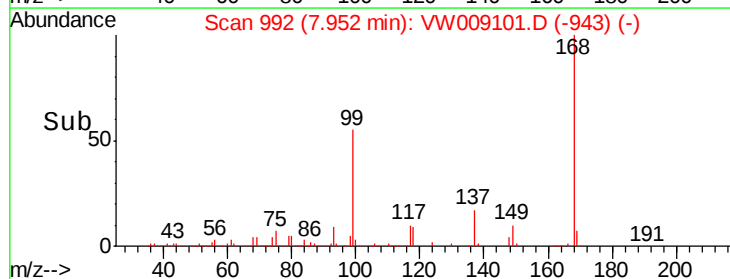
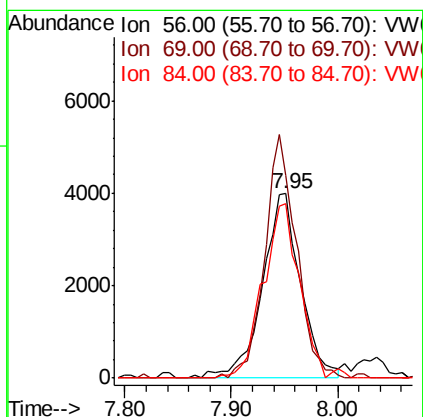
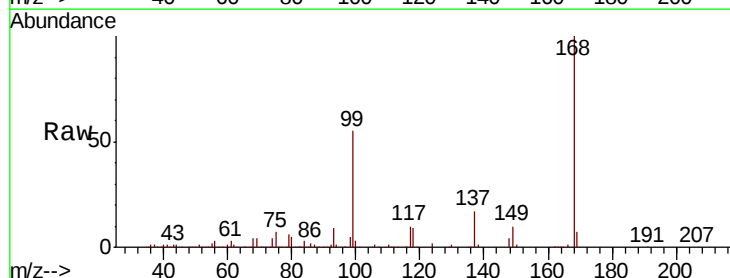
Tgt Ion: 56 Resp: 9959

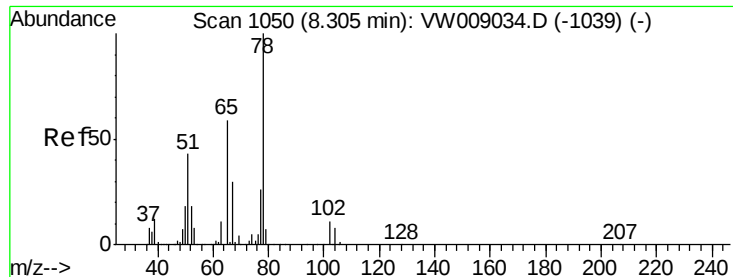
Ion Ratio Lower Upper

56 100

69 110.1 25.5 38.3#

84 94.8 68.6 103.0

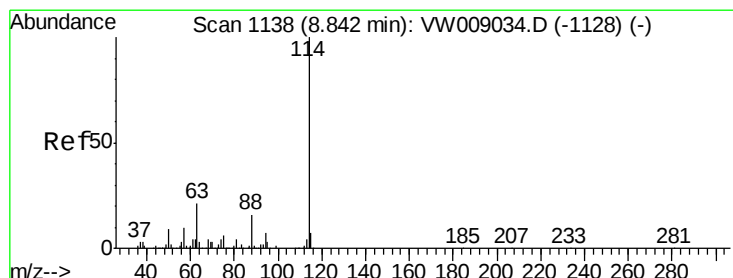
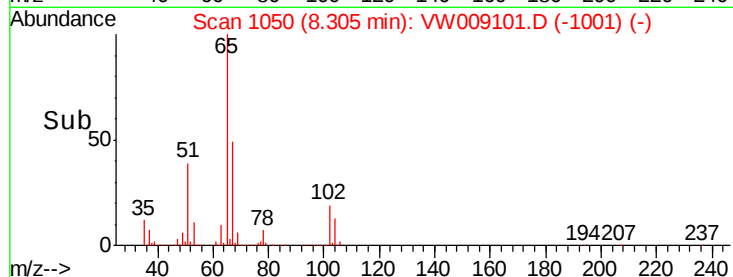
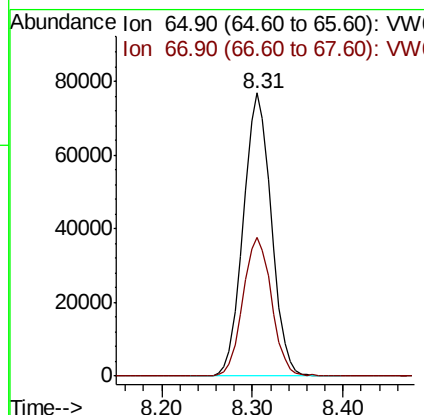
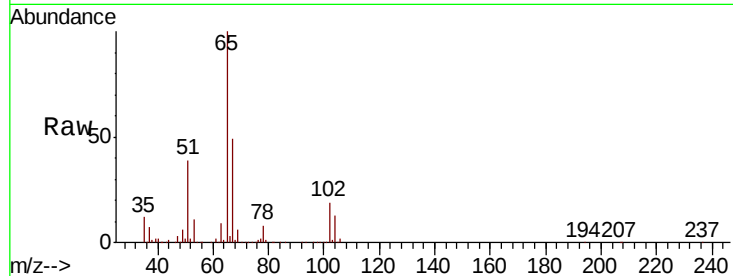




#33
 1,2-Dichloroethane-d4
 Concen: 61.873 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW009101.D
 Acq: 11 Mar 2019 21:46

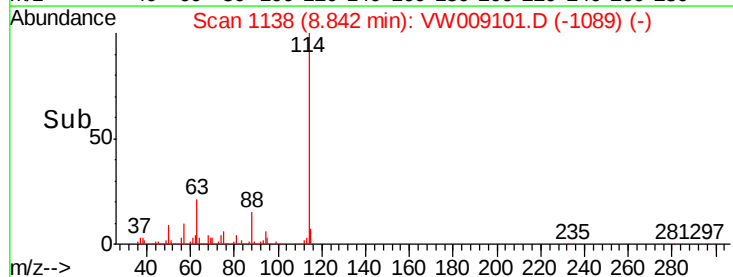
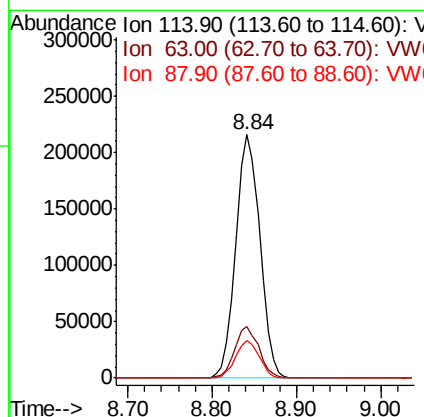
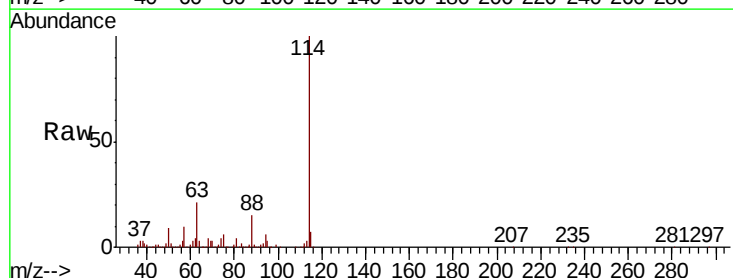
Instrument :
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 ClientSampled :
 3-8-BOD

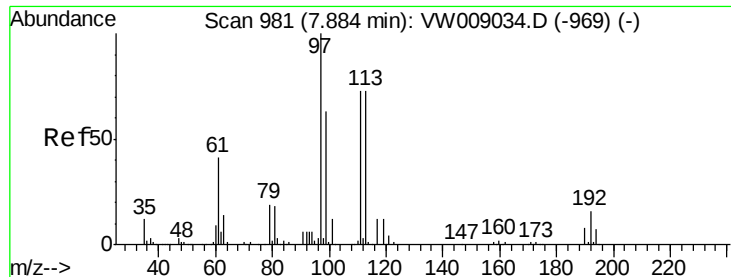
Tgt Ion: 65 Resp: 164370
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009101.D
 Acq: 11 Mar 2019 21:46

Tgt Ion: 114 Resp: 417066
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 41.2
 88 15.5 0.0 31.2

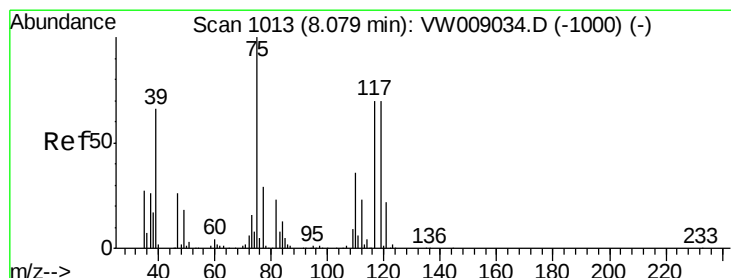
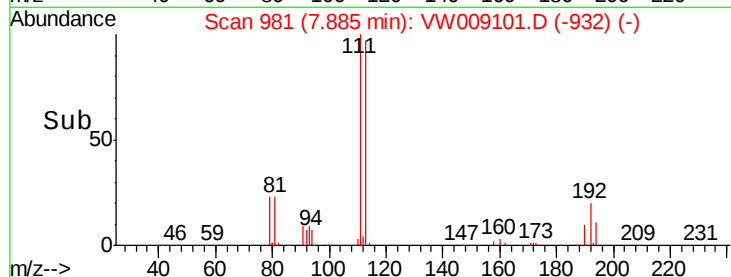
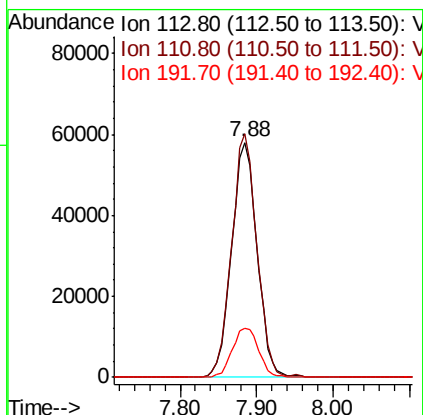
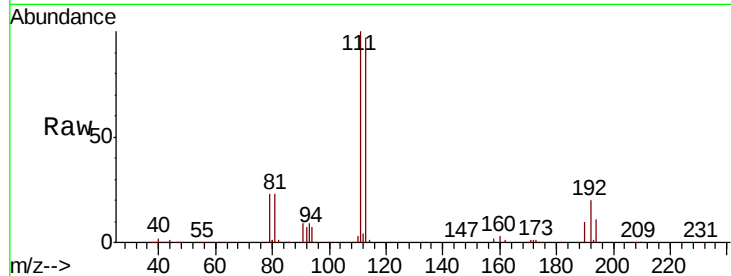




#35
 Dibromofluoromethane
 Concen: 53.452 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW009101.D
 Acq: 11 Mar 2019 21:46

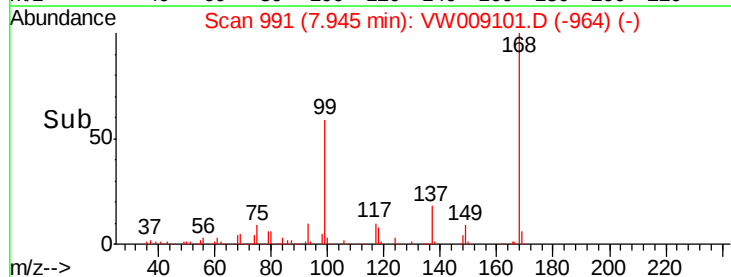
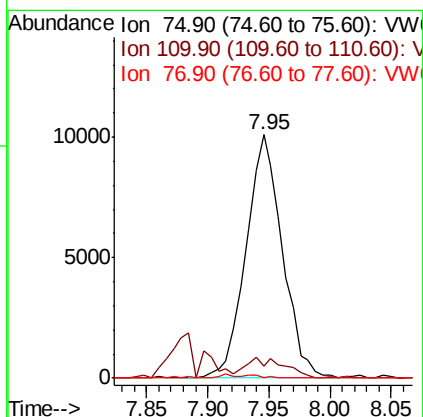
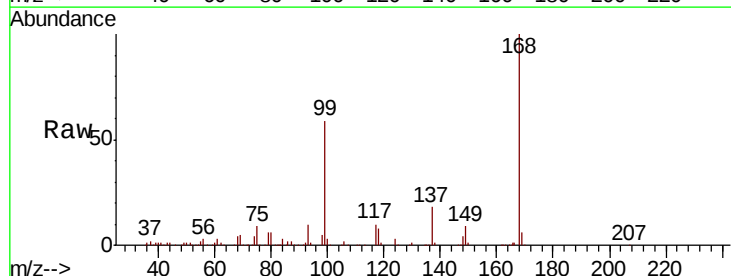
Instrument :
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 ClientSampleId :
 3-8-BOD

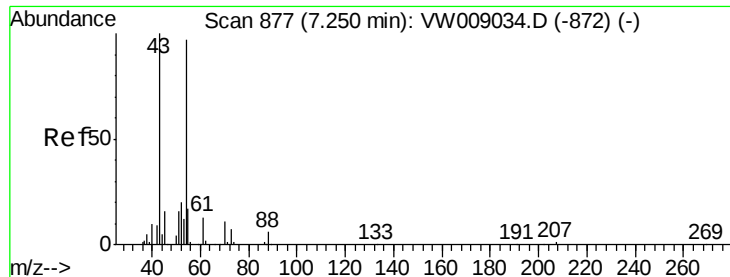
Tgt Ion:113 Resp: 134223
 Ion Ratio Lower Upper
 113 100
 111 101.5 81.0 121.4
 192 21.6 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 4.778 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW009101.D
 Acq: 11 Mar 2019 21:46

Tgt Ion: 75 Resp: 20835
 Ion Ratio Lower Upper
 75 100
 110 3.0 17.6 52.9#
 77 0.0 25.1 37.7#

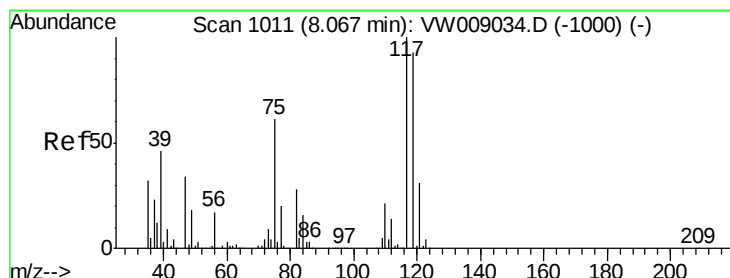
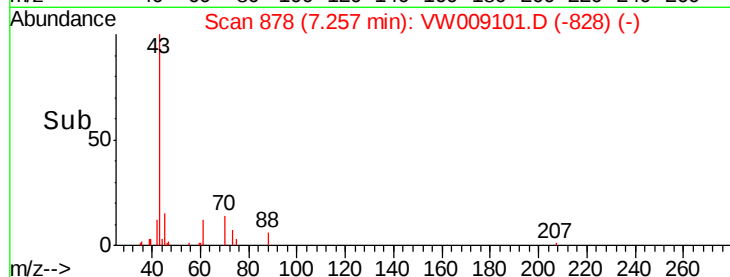
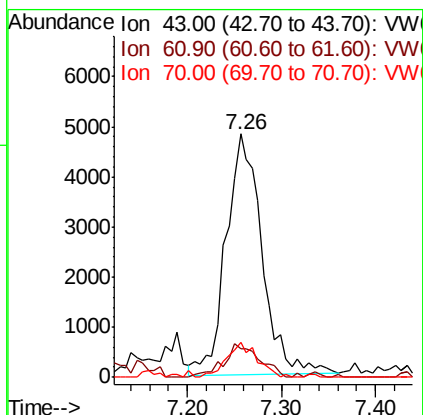
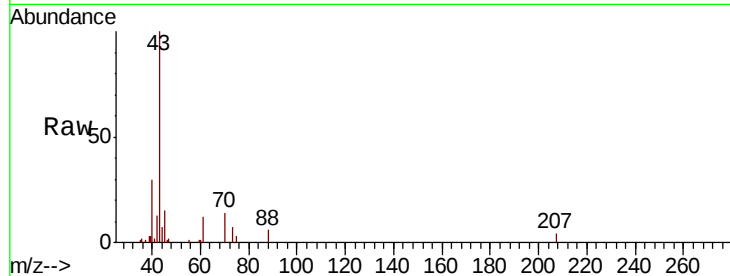




#37
Ethyl Acetate
Concen: 6.204 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW009101.D
Acq: 11 Mar 2019 21:46

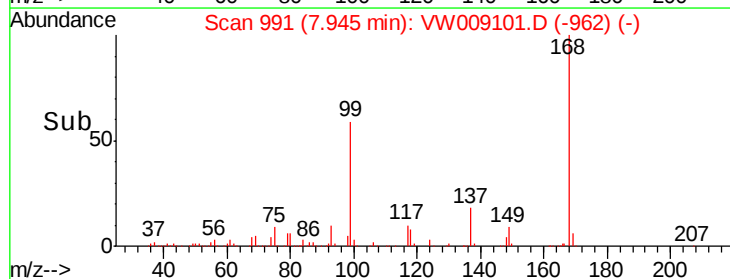
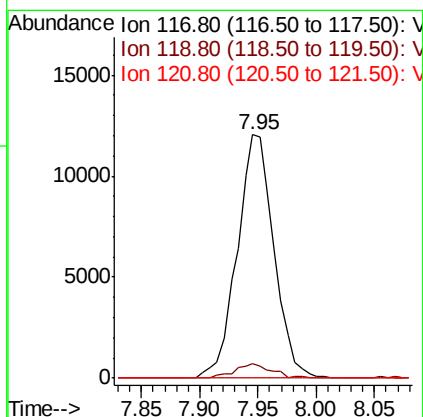
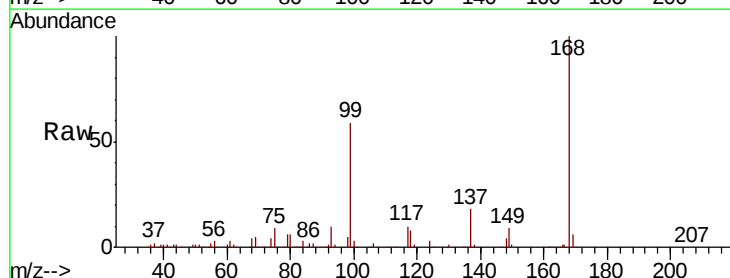
Instrument :
MSVOA_W
ClientSampleId :
3-8-BOD

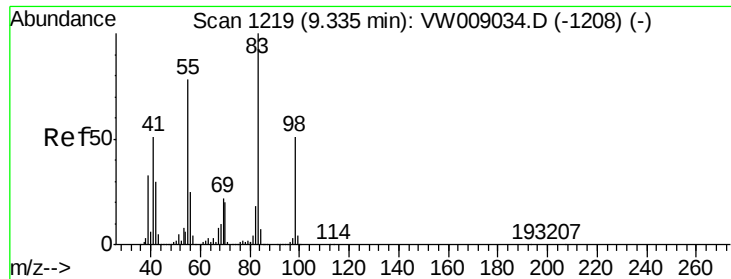
Tgt Ion: 43 Resp: 12709
Ion Ratio Lower Upper
43 100
61 13.8 9.8 14.6
70 12.3 7.2 10.8#



#38
Carbon Tetrachloride
Concen: 5.864 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW009101.D
Acq: 11 Mar 2019 21:46

Tgt Ion: 117 Resp: 26409
Ion Ratio Lower Upper
117 100
119 6.0 74.6 112.0#
121 0.0 24.7 37.1#

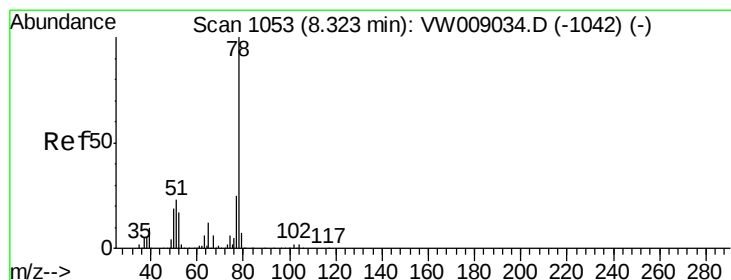
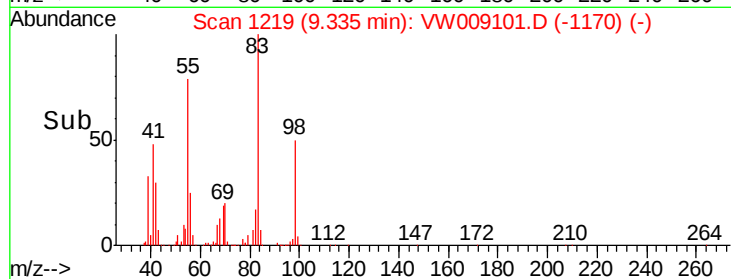
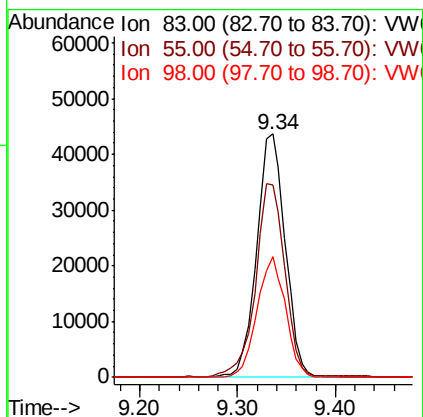
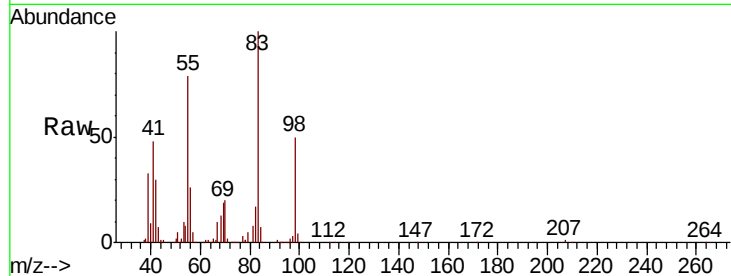




#39
Methylcyclohexane
Concen: 16.999 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW009101.D
Acq: 11 Mar 2019 21:46

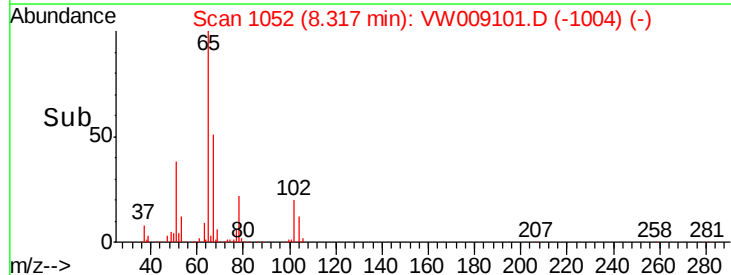
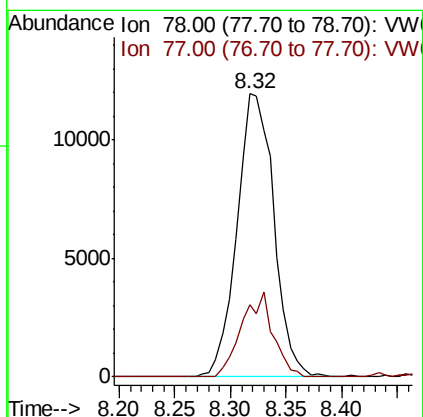
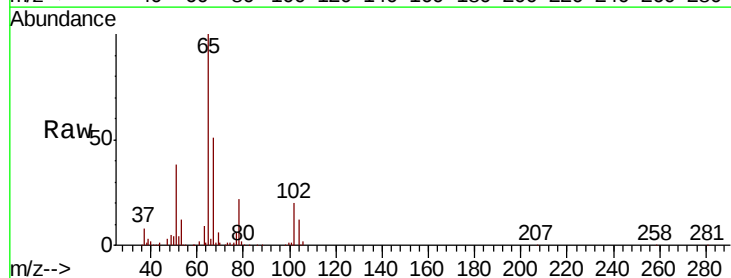
Instrument :
MSVOA_W
ClientSampled :
3-8-BOD

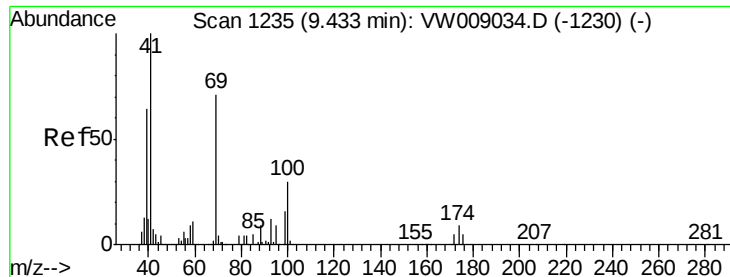
Tgt Ion: 83 Resp: 88296
Ion Ratio Lower Upper
83 100
55 78.5 62.7 94.1
98 49.5 40.8 61.2



#40
Benzene
Concen: 2.363 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW009101.D
Acq: 11 Mar 2019 21:46

Tgt Ion: 78 Resp: 27511
Ion Ratio Lower Upper
78 100
77 25.5 20.2 30.4





#48

Methyl methacrylate

Concen: 3.152 ug/l

RT: 9.52 min Scan# 1249

Delta R.T. 0.09 min

Lab File: VW009101.D

Acq: 11 Mar 2019 21:46

Instrument :

MSVOA_W

ClientSampleId :

3-8-BOD

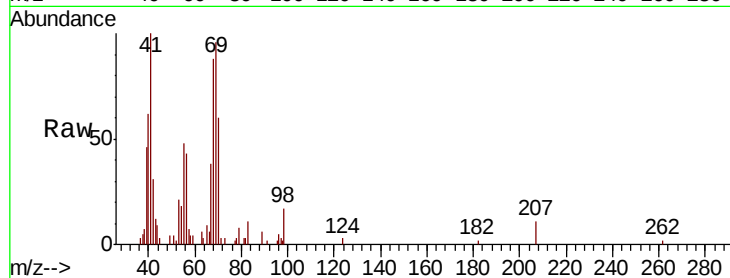
Tgt Ion: 41 Resp: 5600

Ion Ratio Lower Upper

41 100

69 111.3 59.1 88.7#

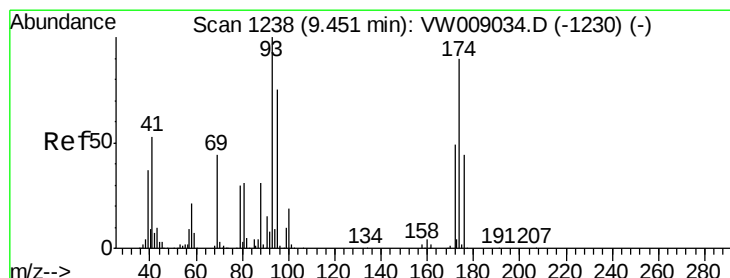
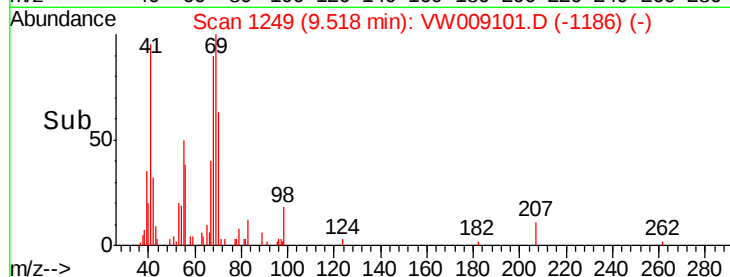
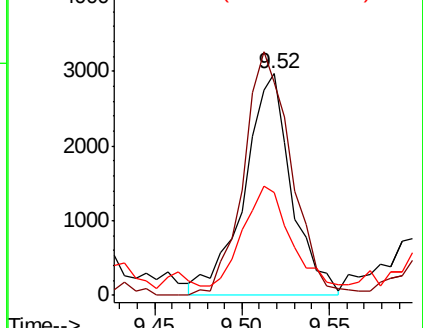
39 44.3 48.9 73.3#



Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW



#49

1,4-Dioxane

Concen: 1.360 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.01 min

Lab File: VW009101.D

Acq: 11 Mar 2019 21:46

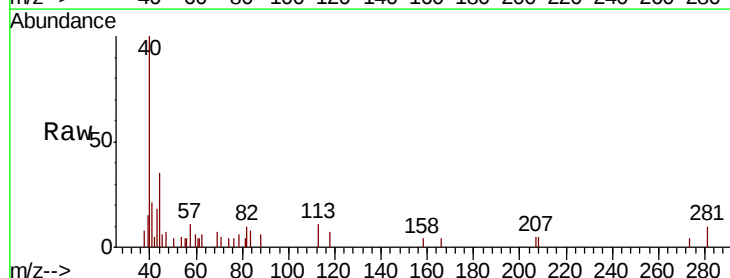
Tgt Ion: 88 Resp: 31

Ion Ratio Lower Upper

88 100

43 951.6 29.0 43.4#

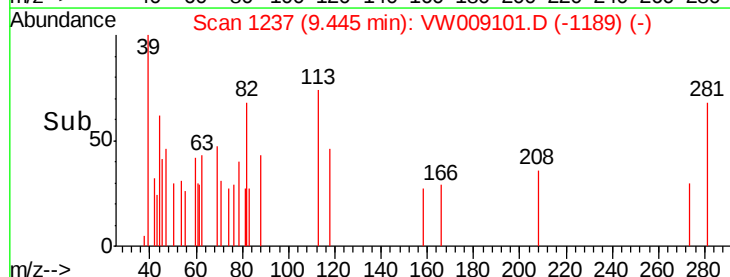
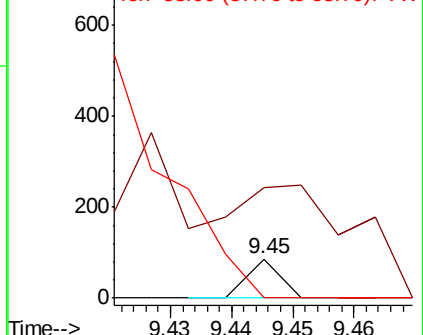
58 0.0 59.2 88.8#

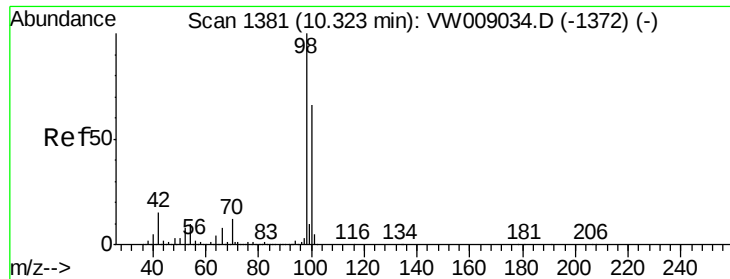


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 52.171 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009101.D

Acq: 11 Mar 2019 21:46

Instrument :

MSVOA_W

ClientSampled :

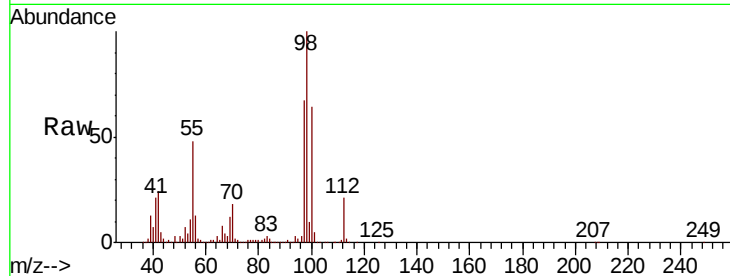
3-8-BOD

Tgt Ion: 98 Resp: 538064

Ion Ratio Lower Upper

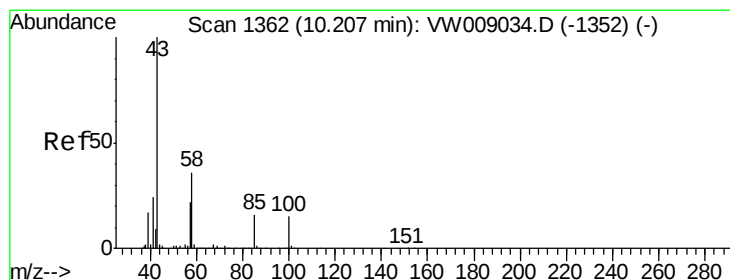
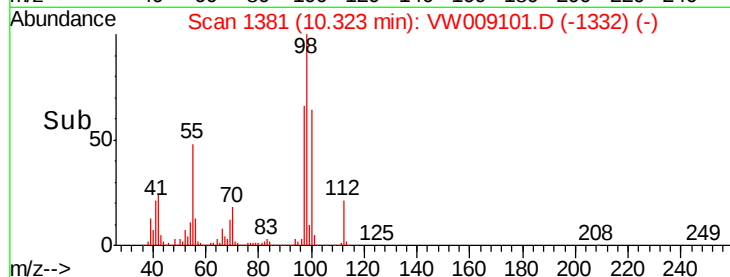
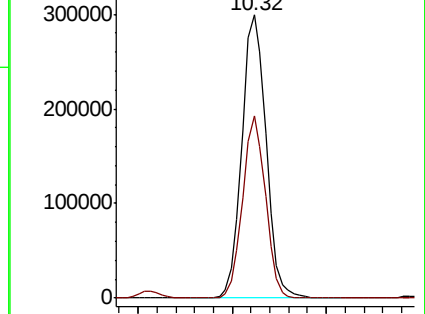
98 100

100 60.7 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#51

4-Methyl-2-Pentanone

Concen: 46.973 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW009101.D

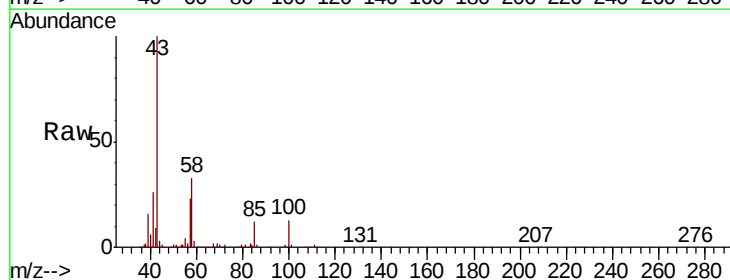
Acq: 11 Mar 2019 21:46

Tgt Ion: 43 Resp: 90976

Ion Ratio Lower Upper

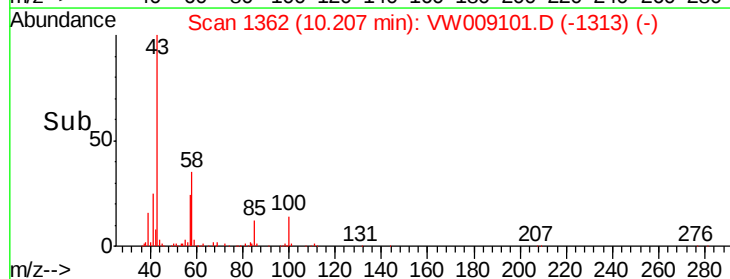
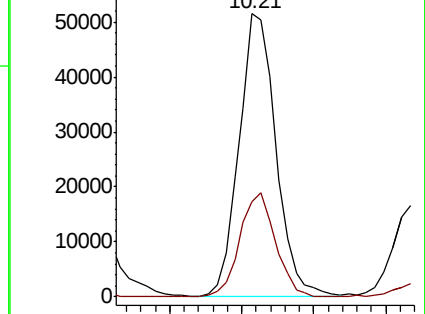
43 100

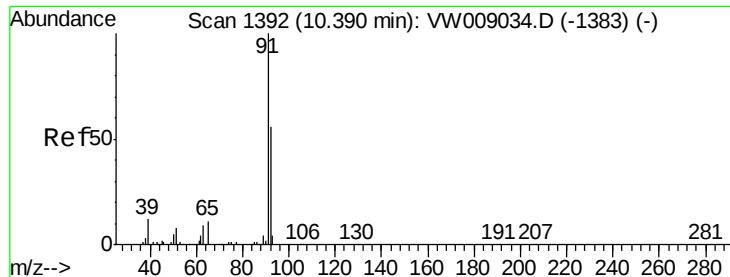
58 35.9 28.8 43.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#52

Toluene

Concen: 7.576 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW009101.D

Acq: 11 Mar 2019 21:46

Instrument :

MSVOA_W

ClientSampled :

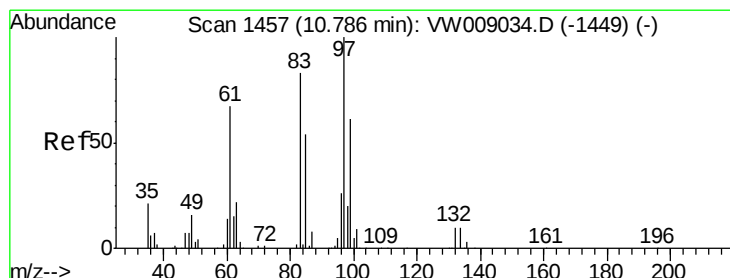
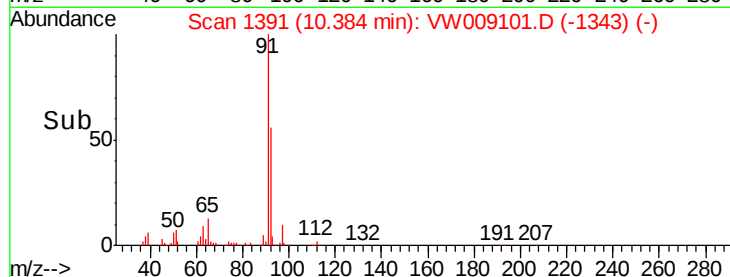
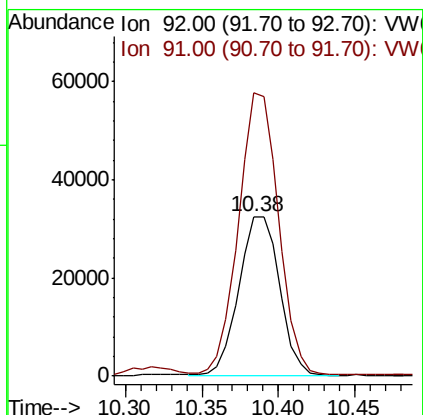
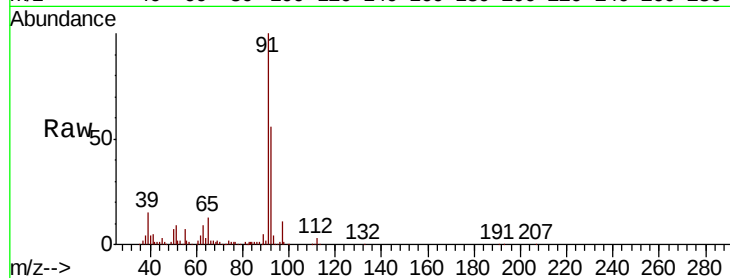
3-8-BOD

Tgt Ion: 92 Resp: 59812

Ion Ratio Lower Upper

92 100

91 174.6 139.9 209.9



#55

1,1,2-Trichloroethane

Concen: 208.309 ug/l

RT: 10.76 min Scan# 1453

Delta R.T. -0.02 min

Lab File: VW009101.D

Acq: 11 Mar 2019 21:46

Tgt Ion: 97 Resp: 449578

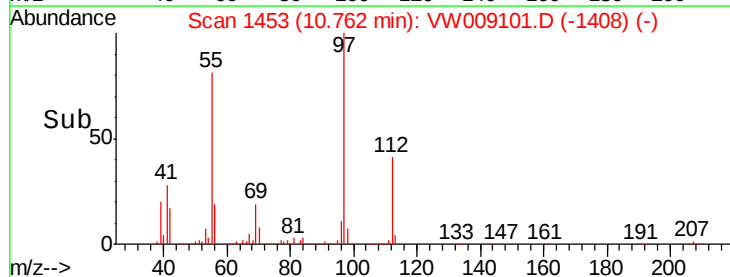
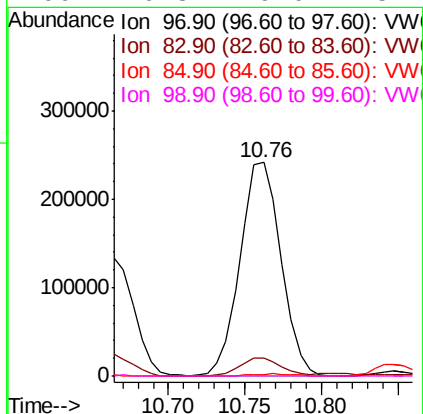
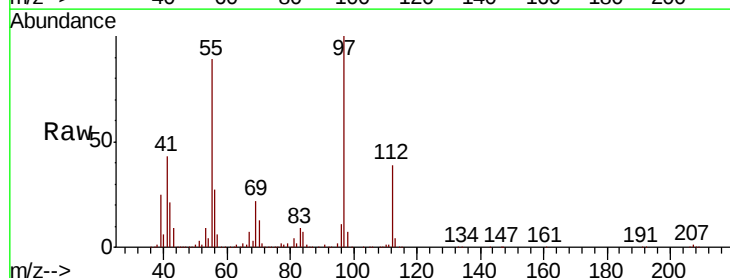
Ion Ratio Lower Upper

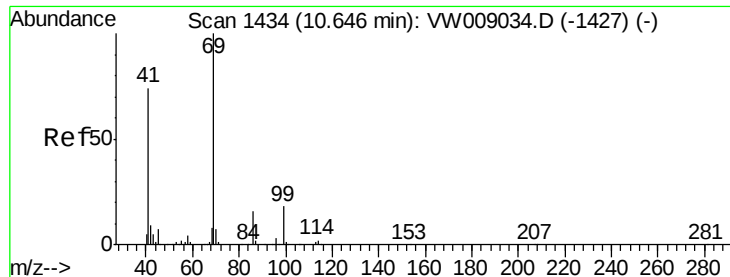
97 100

83 8.5 66.2 99.2#

85 0.8 43.6 65.4#

99 0.3 49.0 73.4#





#56

Ethyl methacrylate

Concen: 26.356 ug/l

RT: 10.66 min Scan# 1437

Delta R.T. 0.02 min

Lab File: VW009101.D

Acq: 11 Mar 2019 21:46

Instrument :

MSVOA_W

ClientSampled :

3-8-BOD

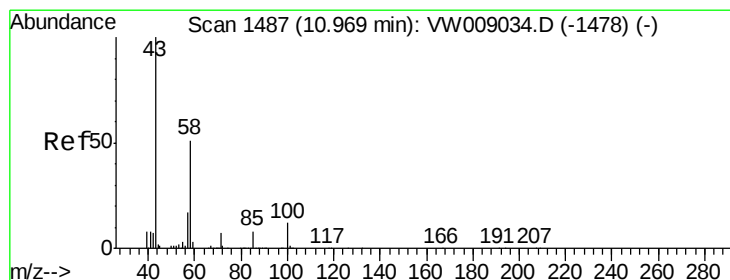
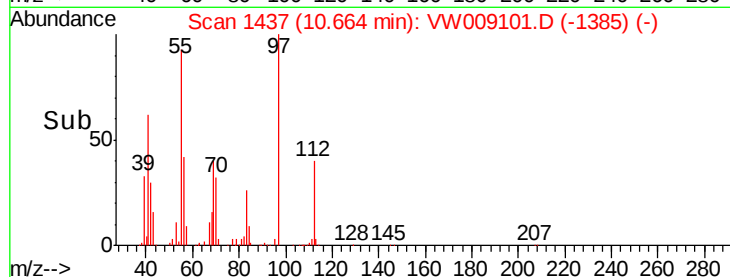
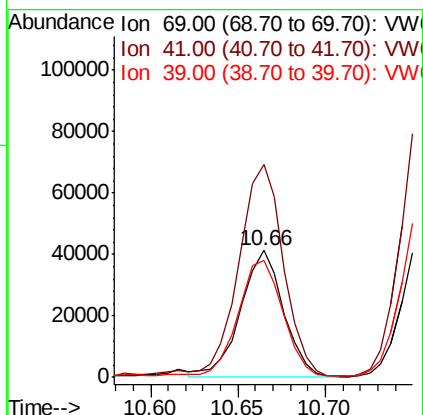
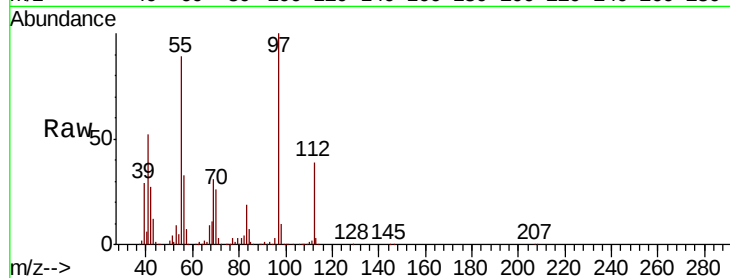
Tgt Ion: 69 Resp: 70596

Ion Ratio Lower Upper

69 100

41 177.8 59.4 89.2#

39 99.3 38.5 57.7#



#59

2-Hexanone

Concen: 77.974 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.04 min

Lab File: VW009101.D

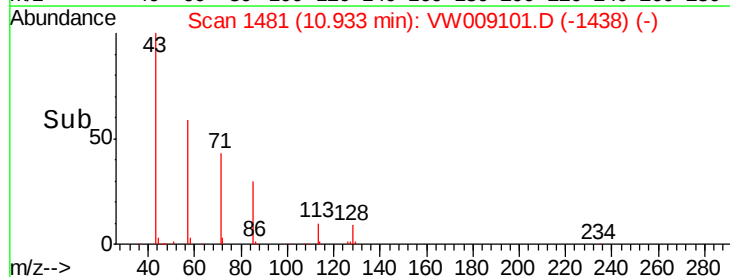
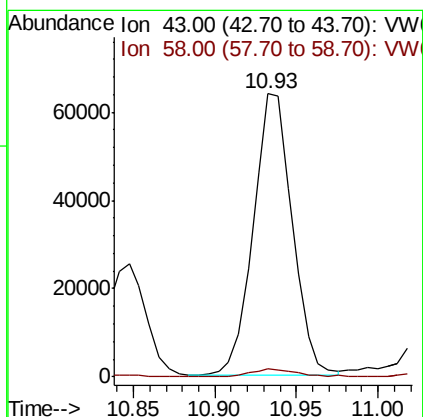
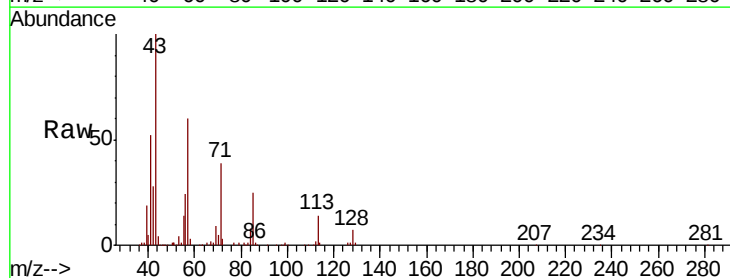
Acq: 11 Mar 2019 21:46

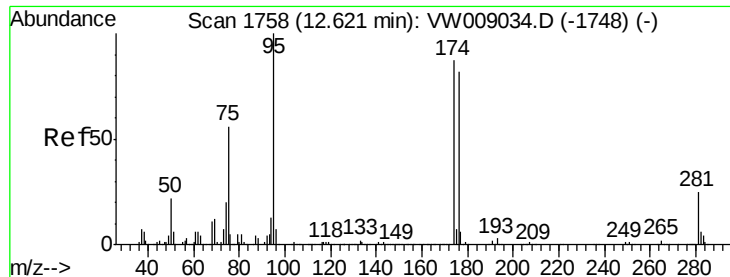
Tgt Ion: 43 Resp: 106179

Ion Ratio Lower Upper

43 100

58 3.3 25.3 75.9#

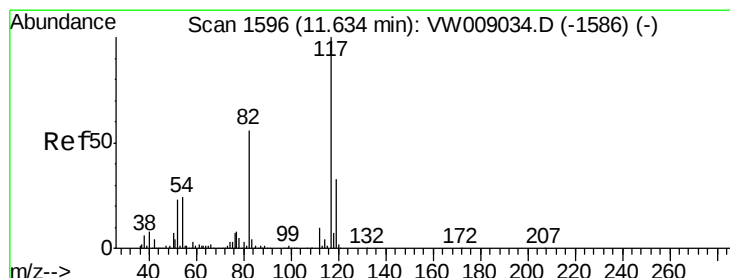
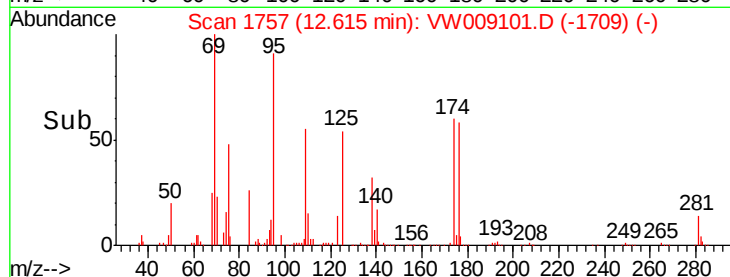
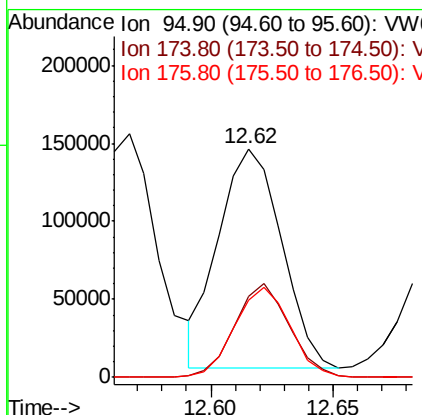
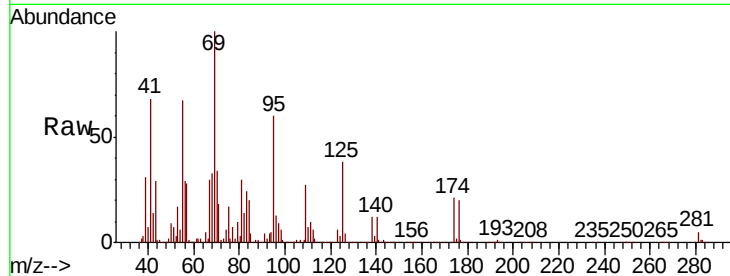




#62
4-Bromofluorobenzene
Concen: 62.152 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.01 min
Lab File: VW009101.D
Acq: 11 Mar 2019 21:46

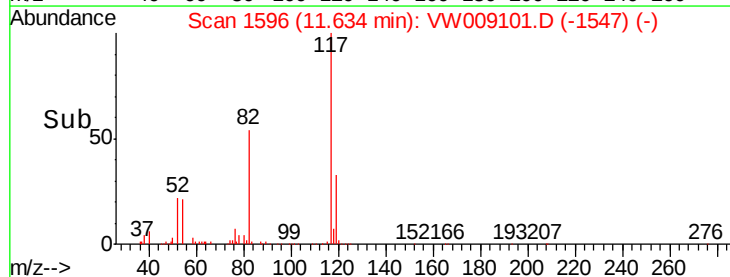
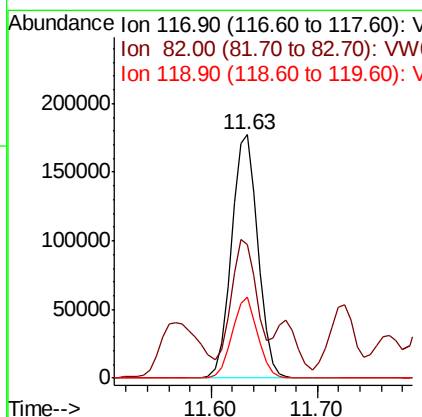
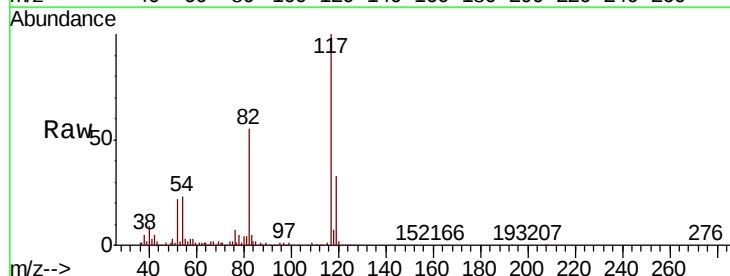
Instrument :
MSVOA_W
ClientSampleId :
3-8-BOD

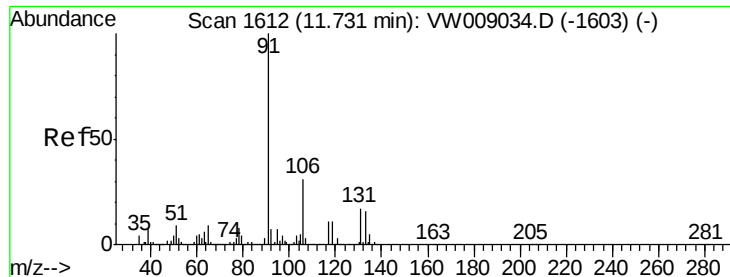
Tgt Ion	Ratio	Lower	Upper
95	100		
174	37.3	0.0	167.0
176	36.4	0.0	159.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009101.D
Acq: 11 Mar 2019 21:46

Tgt Ion	Ratio	Lower	Upper
117	100		
82	35.3	45.0	67.6#
119	33.1	26.6	39.8

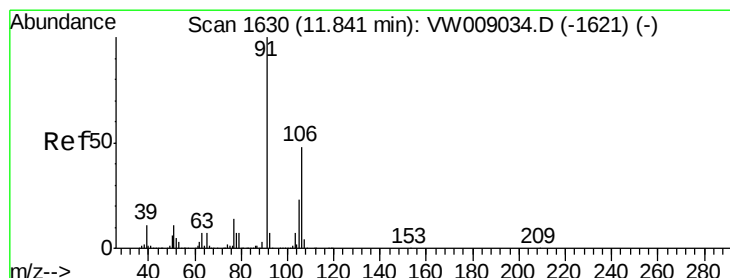
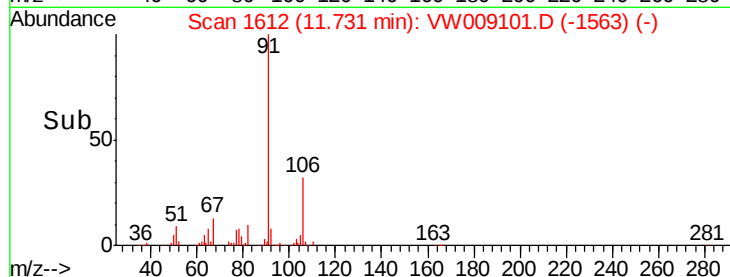
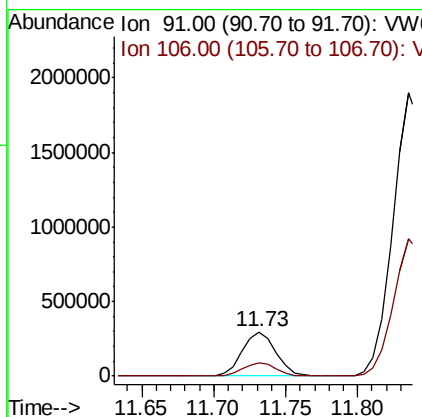
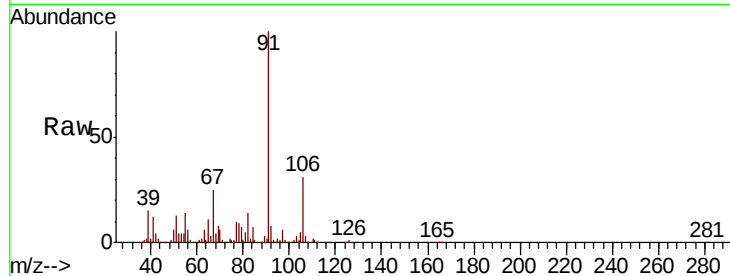




#67
Ethyl Benzene
Concen: 39.665 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009101.D
Acq: 11 Mar 2019 21:46

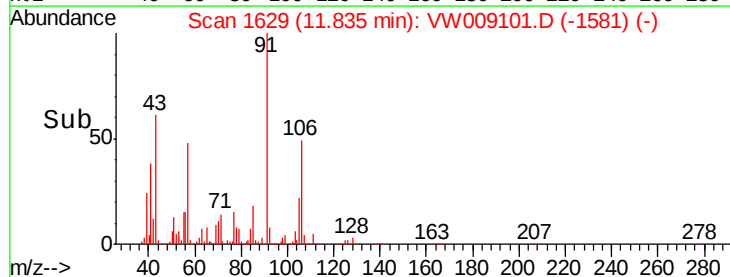
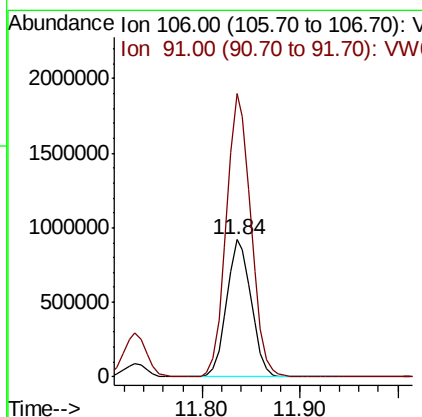
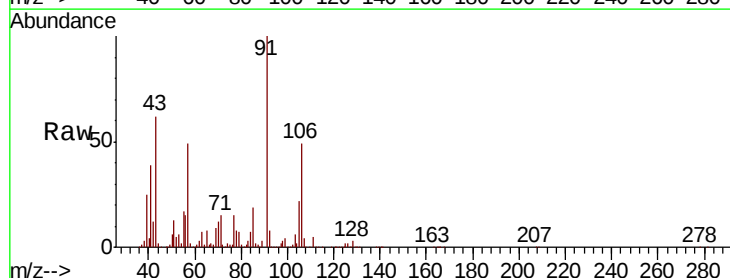
Instrument :
MSVOA_W
ClientSampleId :
3-8-BOD

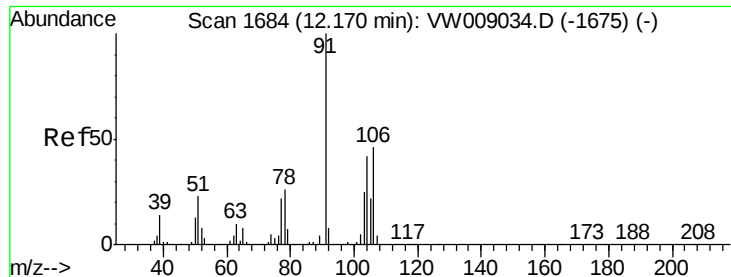
Tgt Ion: 91 Resp: 479789
Ion Ratio Lower Upper
91 100
106 31.5 25.0 37.4



#68
m/p-Xylenes
Concen: 333.022 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW009101.D
Acq: 11 Mar 2019 21:46

Tgt Ion: 106 Resp: 1590007
Ion Ratio Lower Upper
106 100
91 207.6 163.2 244.8

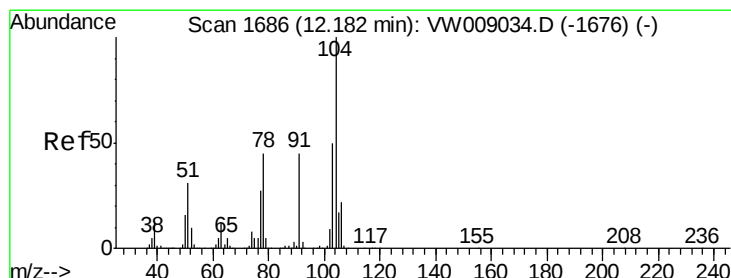
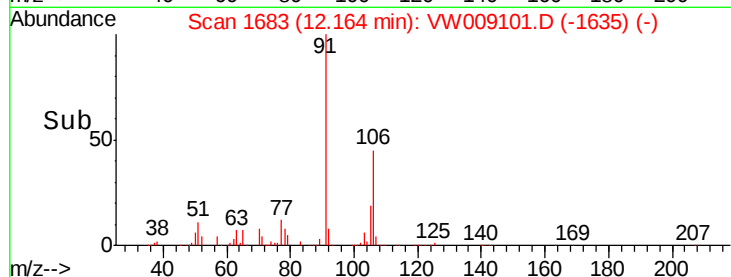
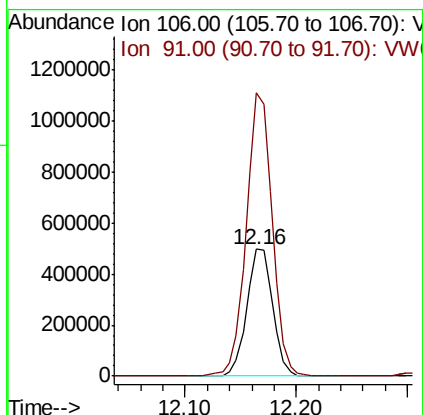
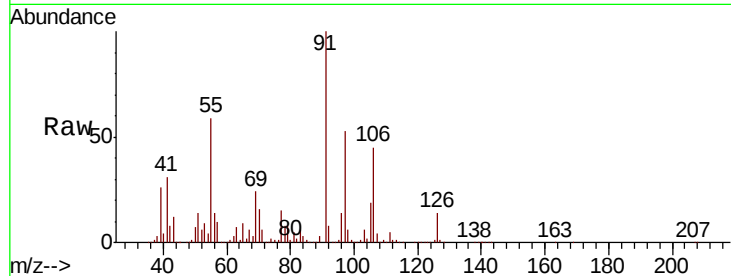




#69
o-Xylene
Concen: 180.851 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW009101.D
Acq: 11 Mar 2019 21:46

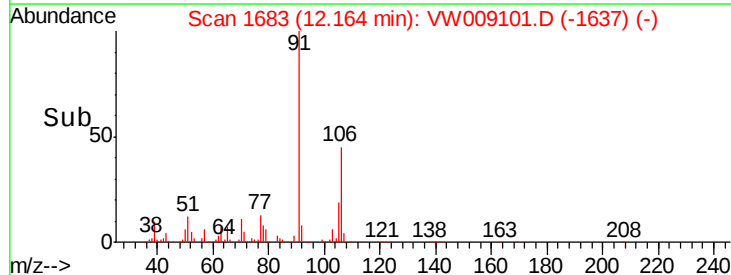
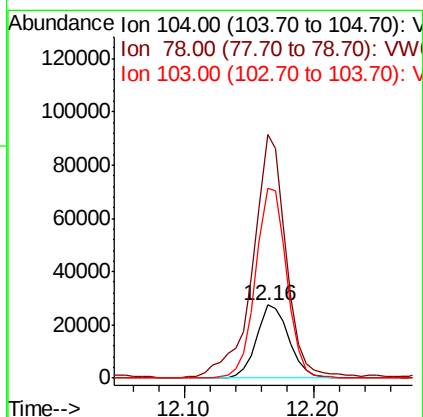
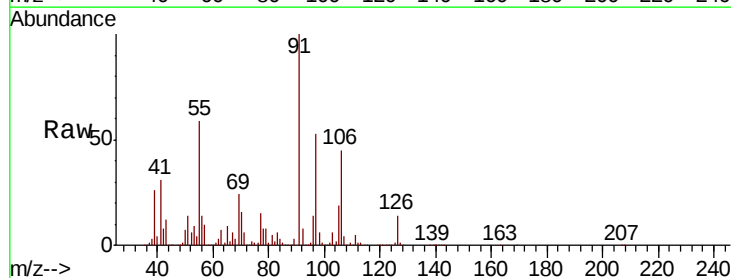
Instrument :
MSVOA_W
ClientSampled :
3-8-BOD

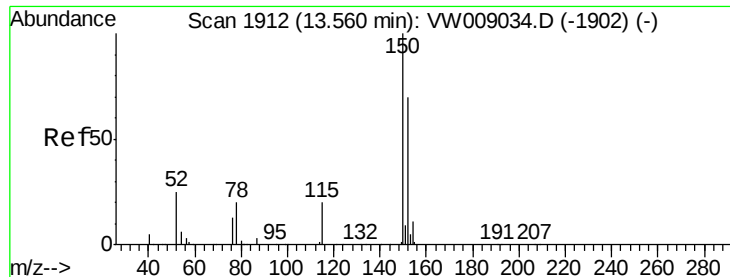
Tgt Ion:106 Resp: 803418
Ion Ratio Lower Upper
106 100
91 224.3 108.6 325.6



#70
Styrene
Concen: 6.647 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.02 min
Lab File: VW009101.D
Acq: 11 Mar 2019 21:46

Tgt Ion:104 Resp: 47773
Ion Ratio Lower Upper
104 100
78 339.2 42.1 63.1#
103 249.3 43.9 65.9#



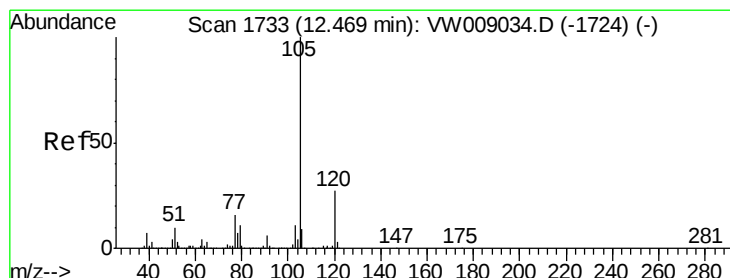
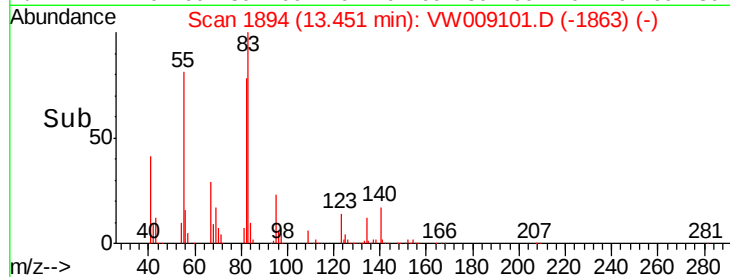
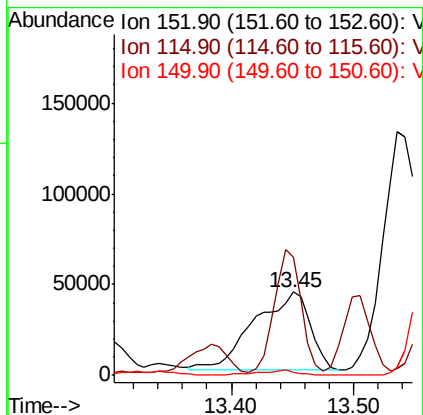
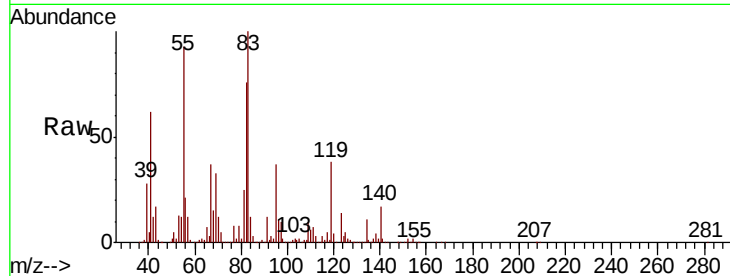


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.45 min Scan# 1894
Delta R.T. -0.11 min
Lab File: VW009101.D
Acq: 11 Mar 2019 21:46

Instrument :
MSVOA_W
ClientSampleId :
3-8-BOD

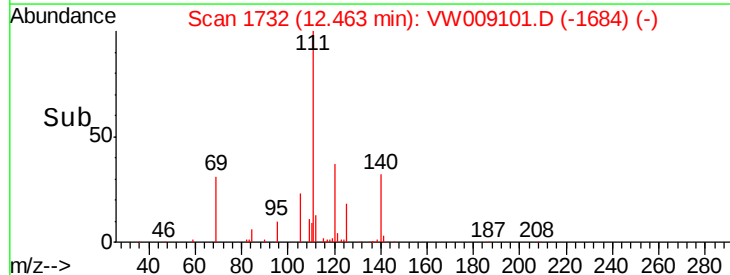
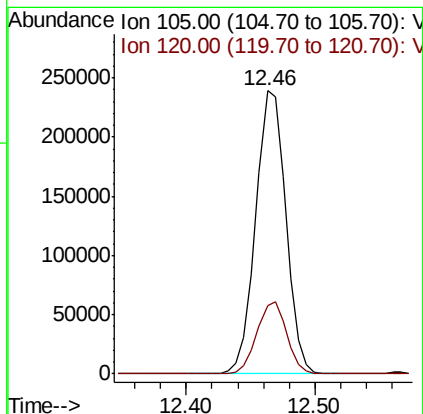
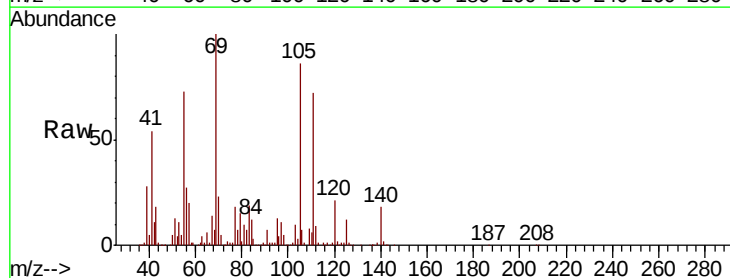
Tgt Ion:152 Resp: 136483
Ion Ratio Lower Upper
152 100
115 73.7 28.9 86.7
150 4.6 0.0 349.2

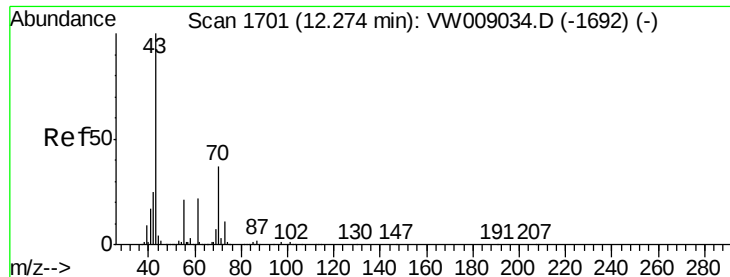


#73

Isopropylbenzene
Concen: 39.356 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.01 min
Lab File: VW009101.D
Acq: 11 Mar 2019 21:46

Tgt Ion:105 Resp: 384653
Ion Ratio Lower Upper
105 100
120 25.5 13.2 39.6





#74

N-amyI acetate

Concen: 154.521 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.02 min

Lab File: VW009101.D

Acq: 11 Mar 2019 21:46

Instrument :

MSVOA_W

ClientSampleId :

3-8-BOD

Tgt Ion: 43 Resp: 357521

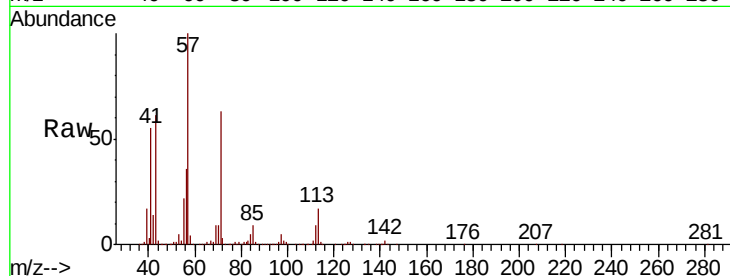
Ion Ratio Lower Upper

43 100

70 0.0 30.8 46.2#

55 0.0 17.8 26.8#

61 0.0 17.4 26.2#



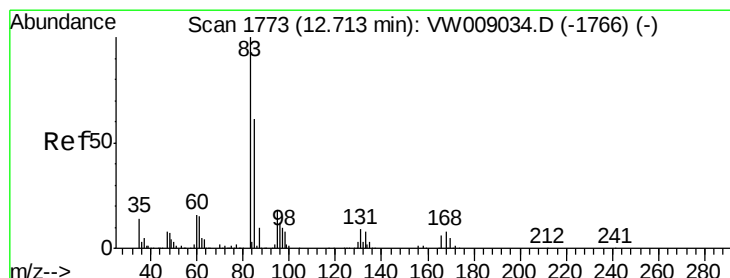
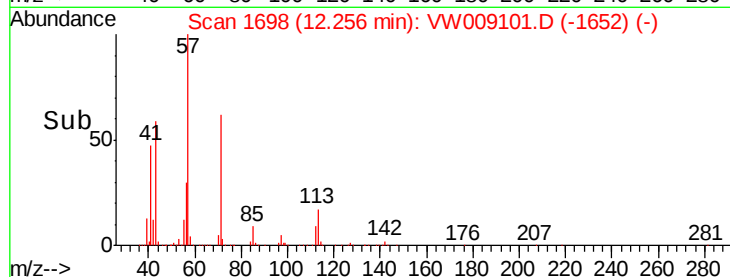
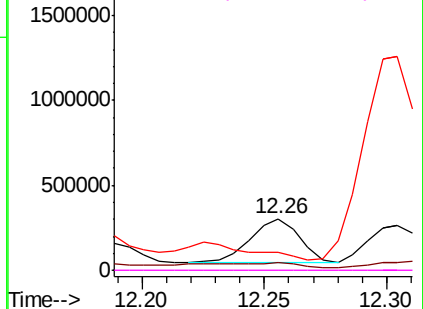
Abundance

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: 76.772 ug/l

RT: 12.68 min Scan# 1768

Delta R.T. -0.03 min

Lab File: VW009101.D

Acq: 11 Mar 2019 21:46

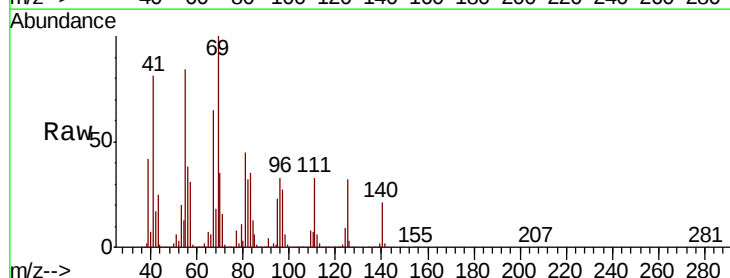
Tgt Ion: 83 Resp: 118361

Ion Ratio Lower Upper

83 100

131 0.1 5.5 16.7#

85 0.0 31.7 95.1#

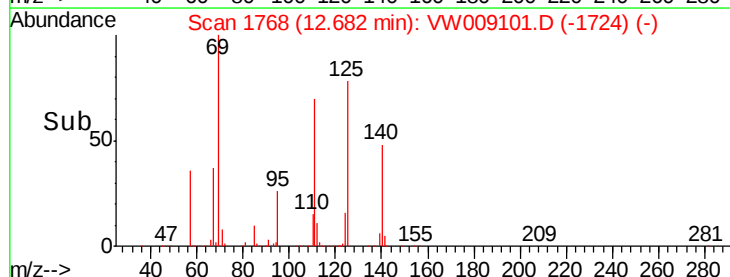
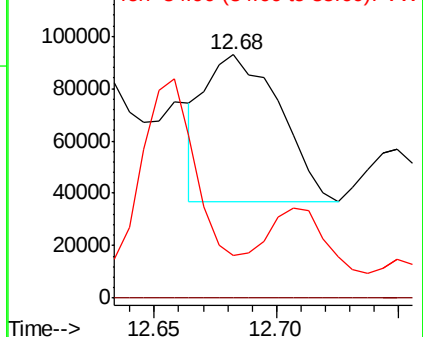


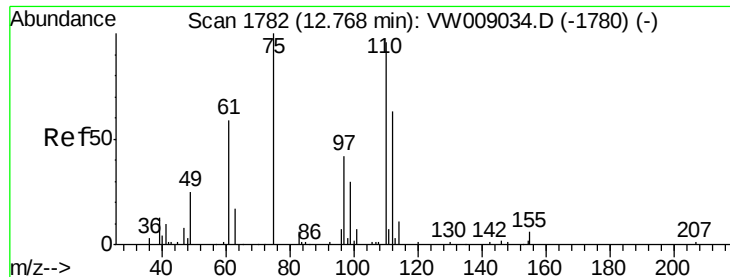
Abundance

Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW

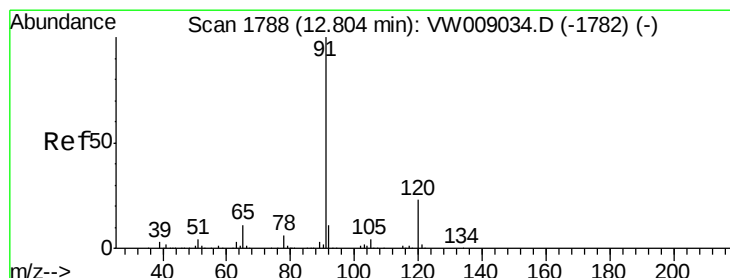
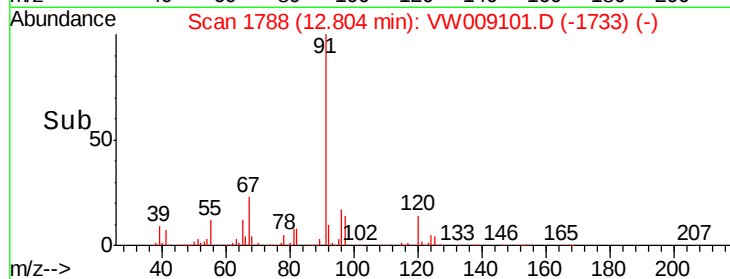
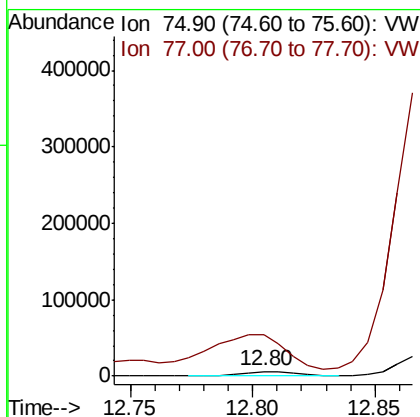
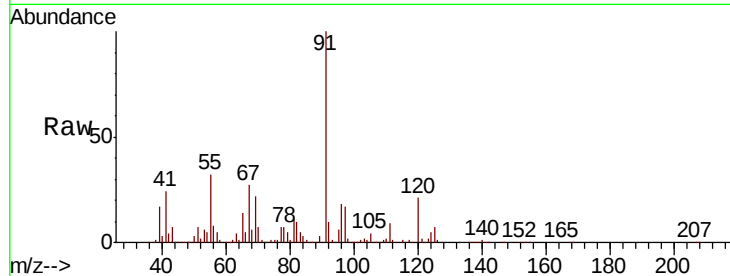




#76
 1,2,3-Trichloropropane
 Concen: 7.597 ug/l
 RT: 12.80 min Scan# 1788
 Delta R.T. 0.04 min
 Lab File: VW009101.D
 Acq: 11 Mar 2019 21:46

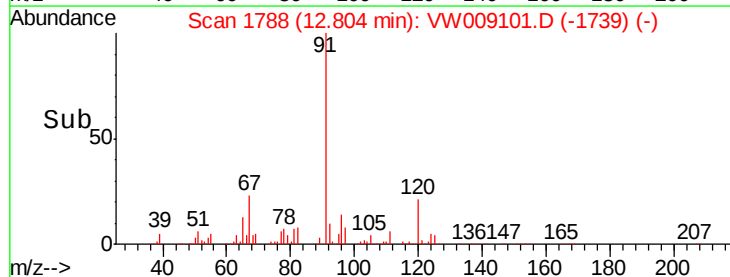
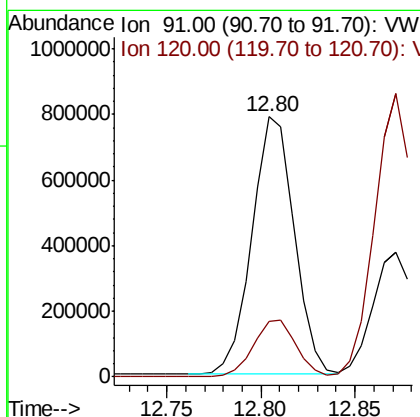
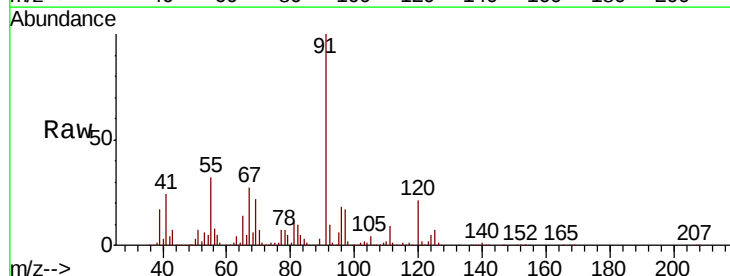
Instrument :
 MSVOA_W
 ClientSampleId :
 3-8-BOD

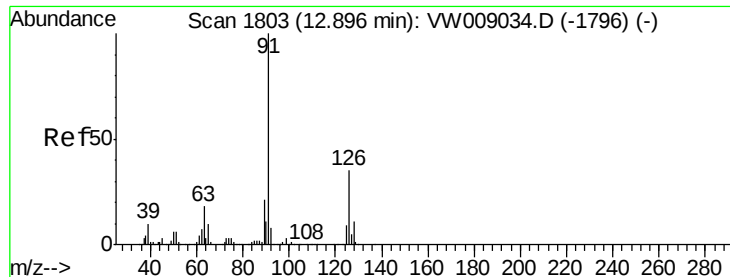
Tgt Ion: 75 Resp: 8192
 Ion Ratio Lower Upper
 75 100
 77 1173.1 186.7 560.0#



#78
 n-propylbenzene
 Concen: 101.395 ug/l
 RT: 12.80 min Scan# 1788
 Delta R.T. 0.00 min
 Lab File: VW009101.D
 Acq: 11 Mar 2019 21:46

Tgt Ion: 91 Resp: 1220675
 Ion Ratio Lower Upper
 91 100
 120 22.3 11.4 34.2

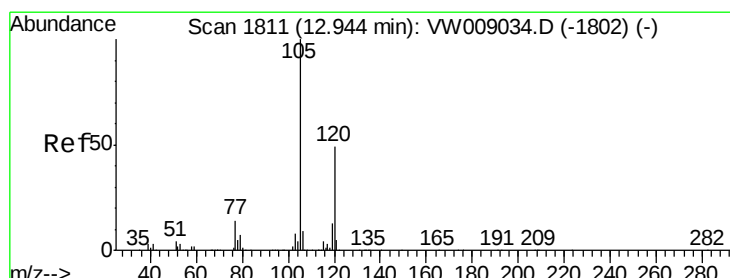
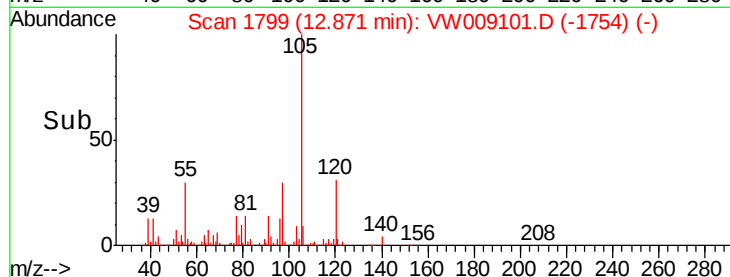
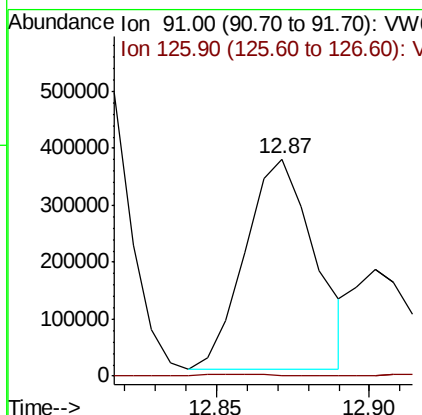
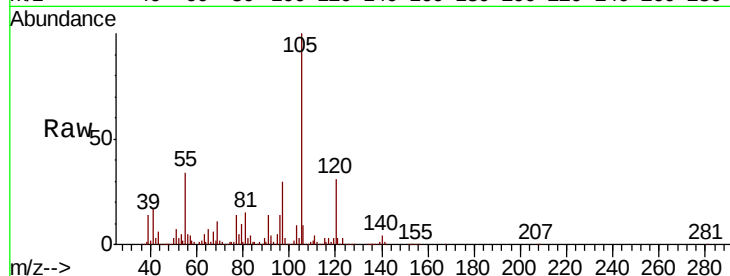




#79
2-Chlorotoluene
Concen: 86.312 ug/l
RT: 12.87 min Scan# 1799
Delta R.T. -0.02 min
Lab File: VW009101.D
Acq: 11 Mar 2019 21:46

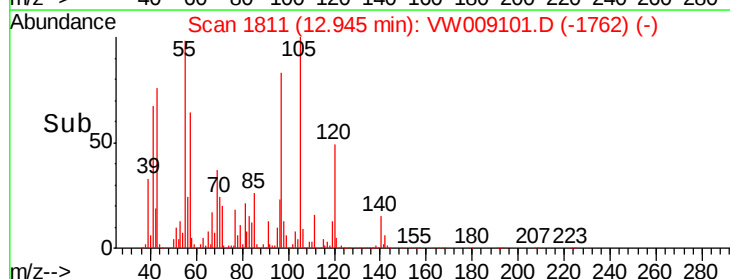
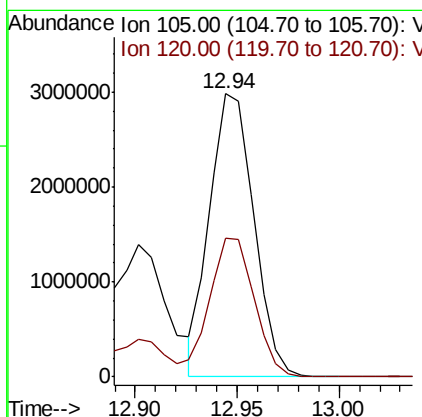
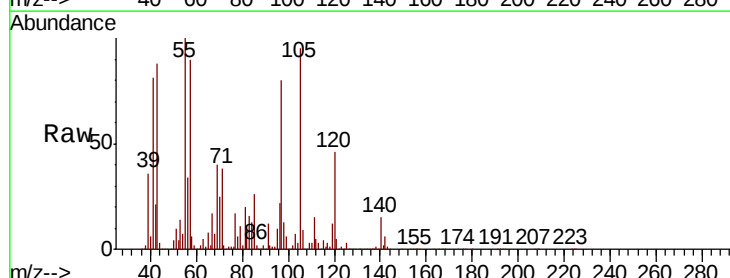
Instrument :
MSVOA_W
ClientSampled :
3-8-BOD

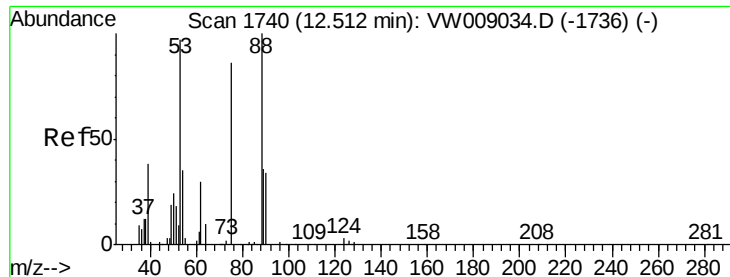
Tgt Ion: 91 Resp: 583805
Ion Ratio Lower Upper
91 100
126 0.8 16.8 50.4#



#80
1,3,5-Trimethylbenzene
Concen: 531.083 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW009101.D
Acq: 11 Mar 2019 21:46

Tgt Ion: 105 Resp: 4474272
Ion Ratio Lower Upper
105 100
120 50.3 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 11.413 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.05 min

Lab File: VW009101.D

Acq: 11 Mar 2019 21:46

Instrument :

MSVOA_W

ClientSampleId :

3-8-BOD

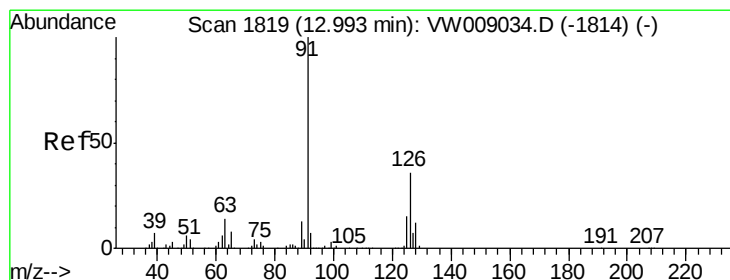
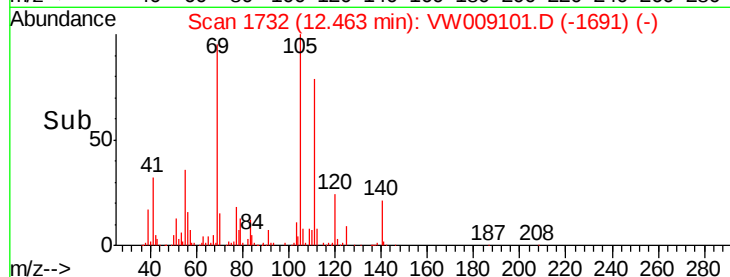
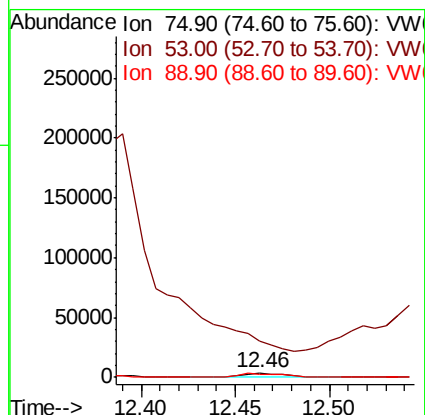
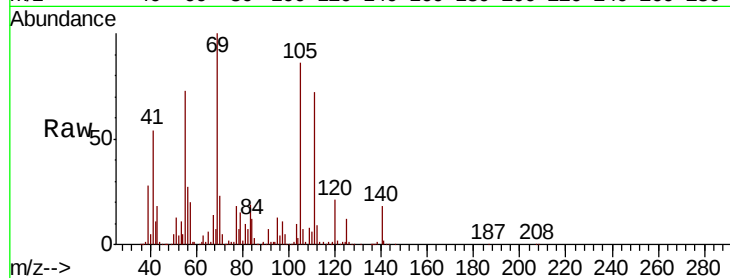
Tgt Ion: 75 Resp: 5502

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 102.5 37.5 56.3#



#82

4-Chlorotoluene

Concen: 79.571 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.05 min

Lab File: VW009101.D

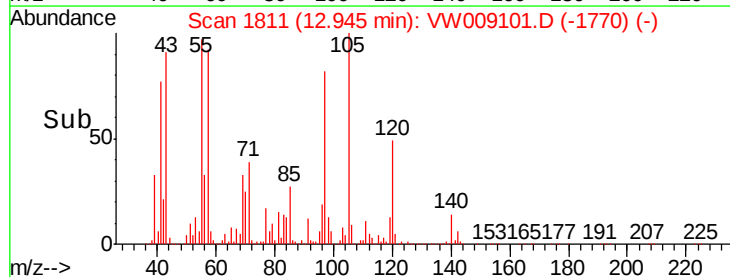
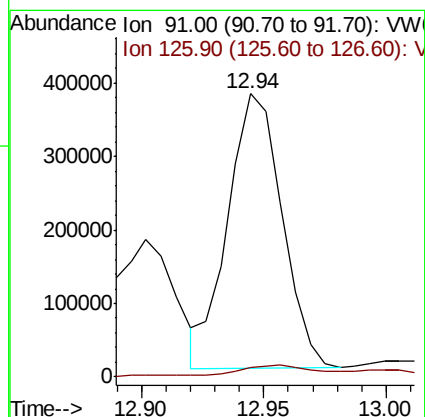
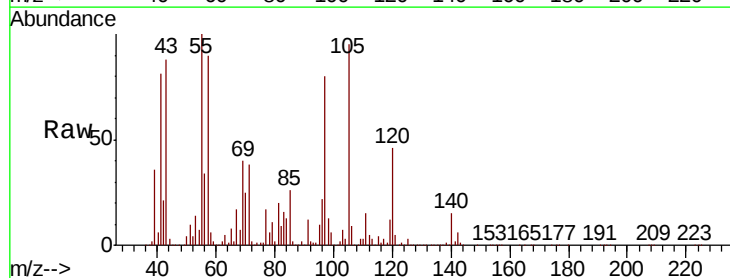
Acq: 11 Mar 2019 21:46

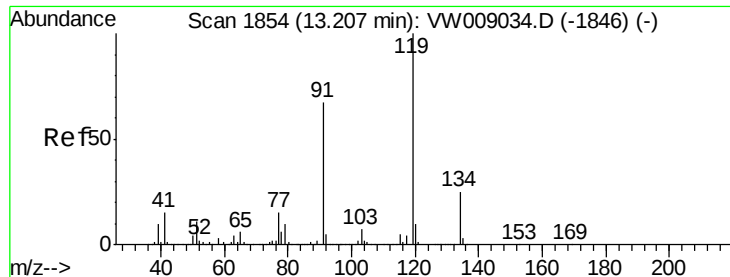
Tgt Ion: 91 Resp: 573715

Ion Ratio Lower Upper

91 100

126 5.7 16.6 49.8#

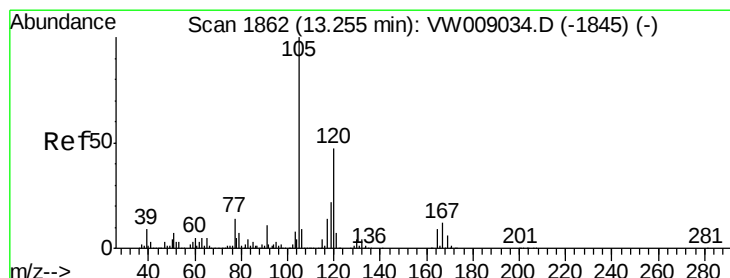
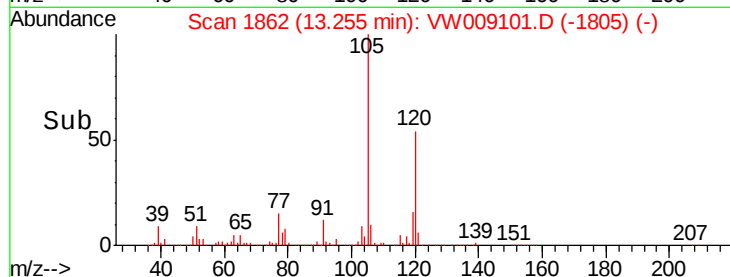
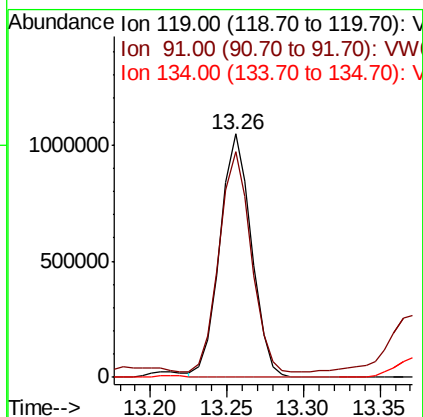
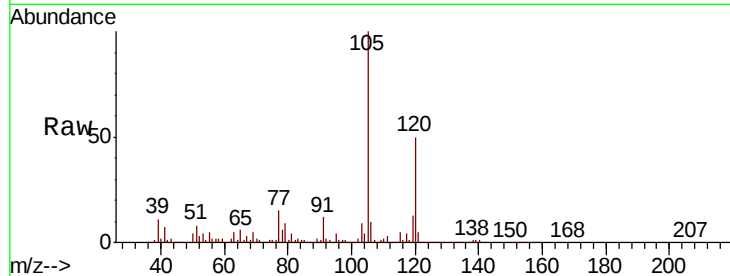




#83
tert-Butylbenzene
Concen: 211.342 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.05 min
Lab File: VW009101.D
Acq: 11 Mar 2019 21:46

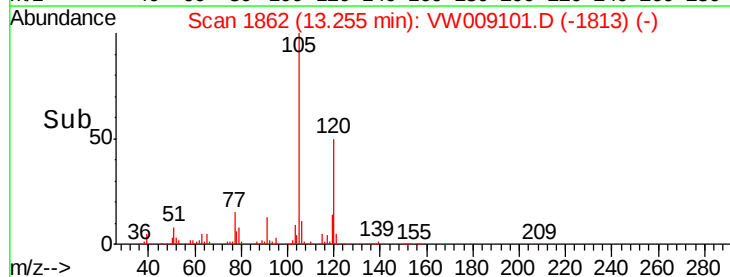
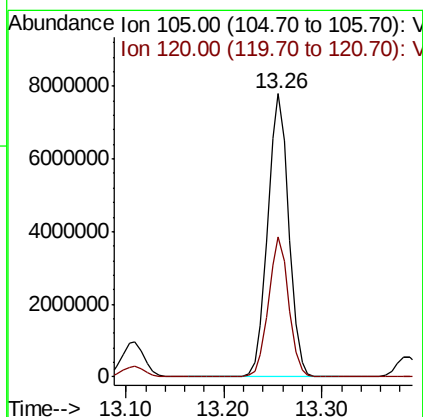
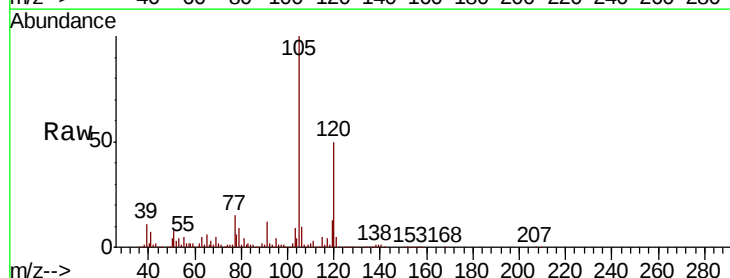
Instrument :
MSVOA_W
ClientSampleId :
3-8-BOD

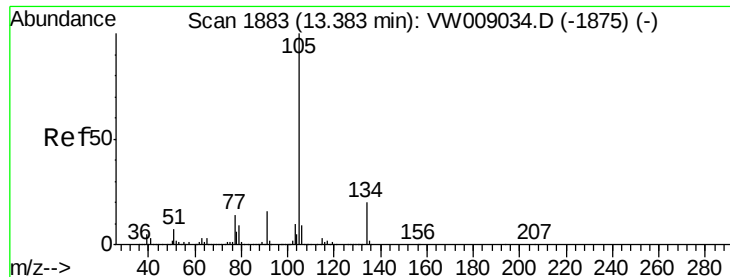
Tgt Ion:119 Resp: 1501662
Ion Ratio Lower Upper
119 100
91 92.0 34.2 102.5
134 0.0 13.9 41.6#



#84
1,2,4-Trimethylbenzene
Concen: 1380.845 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW009101.D
Acq: 11 Mar 2019 21:46

Tgt Ion:105 Resp:11768072
Ion Ratio Lower Upper
105 100
120 47.6 22.8 68.4





#85

sec-Butylbenzene

Concen: 81.214 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.01 min

Lab File: VW009101.D

Acq: 11 Mar 2019 21:46

Instrument :

MSVOA_W

ClientSampleId :

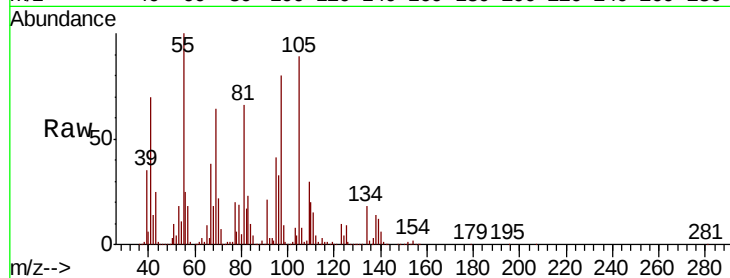
3-8-BOD

Tgt Ion:105 Resp: 854975

Ion Ratio Lower Upper

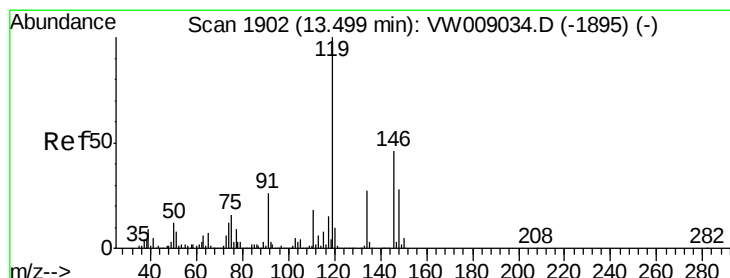
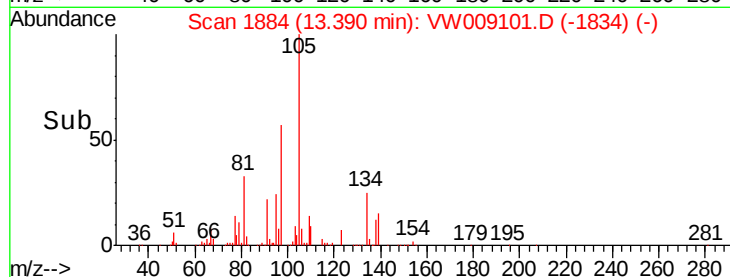
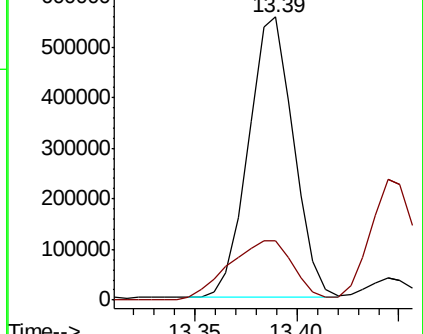
105 100

134 30.5 10.0 30.0#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 94.667 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.01 min

Lab File: VW009101.D

Acq: 11 Mar 2019 21:46

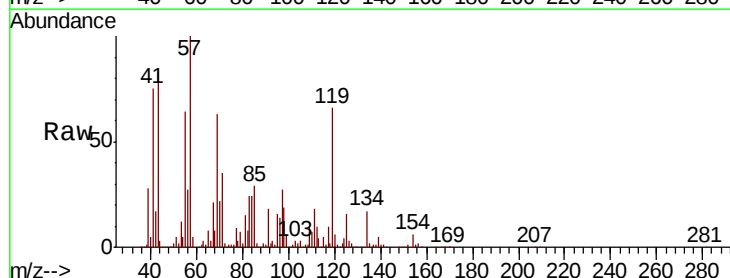
Tgt Ion:119 Resp: 891538

Ion Ratio Lower Upper

119 100

134 26.1 13.3 39.9

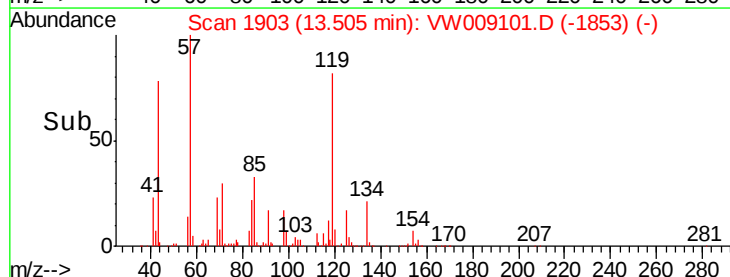
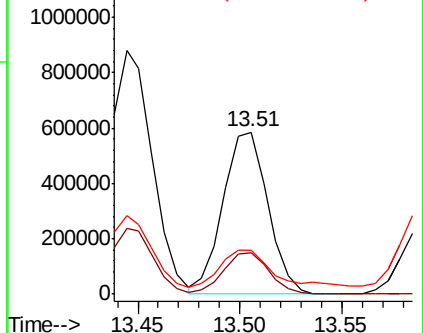
91 25.0 12.3 36.9

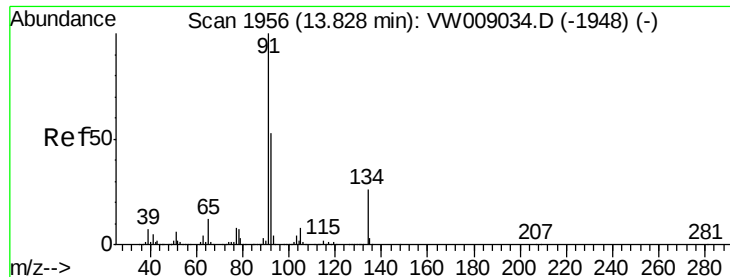


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#89

n-Butylbenzene

Concen: 73.618 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW009101.D

Acq: 11 Mar 2019 21:46

Instrument :

MSVOA_W

ClientSampled :

3-8-BOD

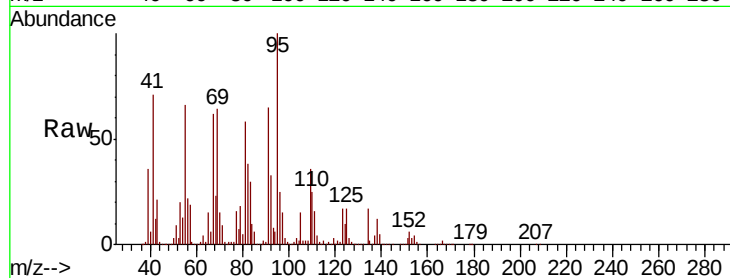
Tgt Ion: 91 Resp: 659096

Ion Ratio Lower Upper

91 100

92 63.1 26.8 80.3

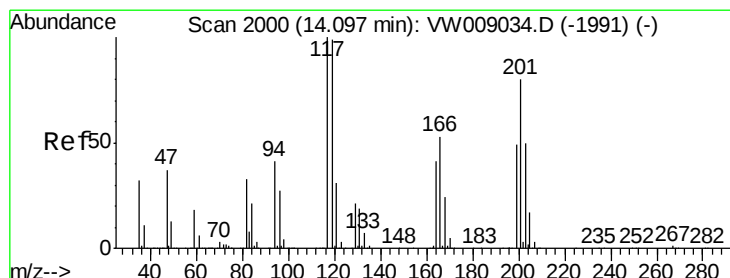
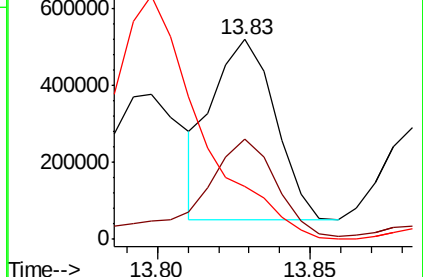
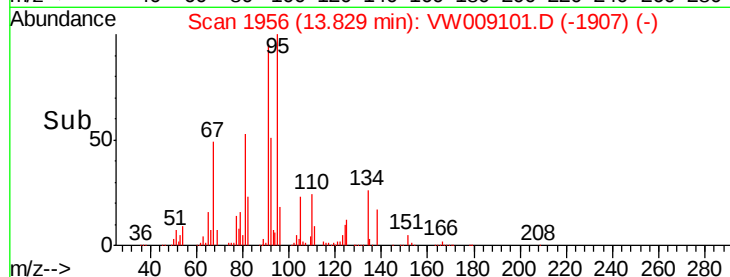
134 0.0 12.9 38.7#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 110.704 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.01 min

Lab File: VW009101.D

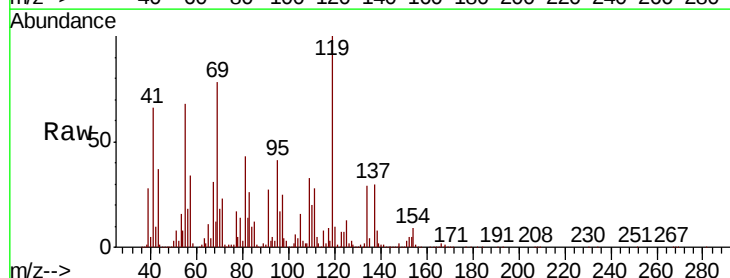
Acq: 11 Mar 2019 21:46

Tgt Ion: 117 Resp: 179809

Ion Ratio Lower Upper

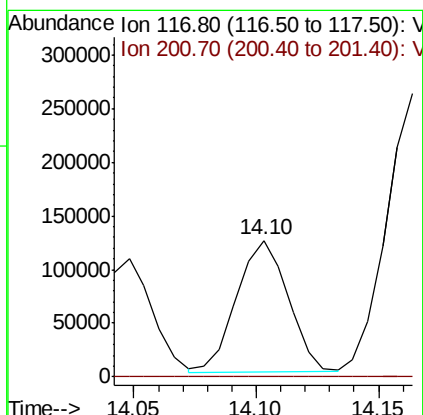
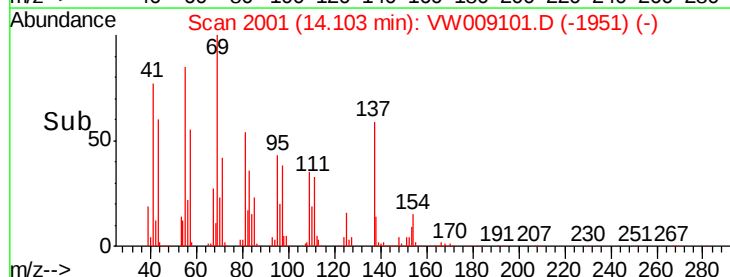
117 100

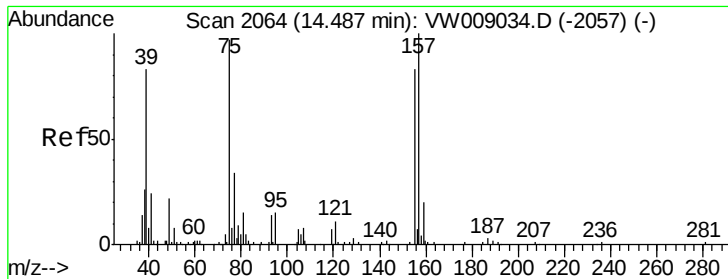
201 0.0 39.1 117.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 40.613 ug/l

RT: 14.46 min Scan# 2060

Delta R.T. -0.02 min

Lab File: VW009101.D

Acq: 11 Mar 2019 21:46

Instrument :

MSVOA_W

ClientSampled :

3-8-BOD

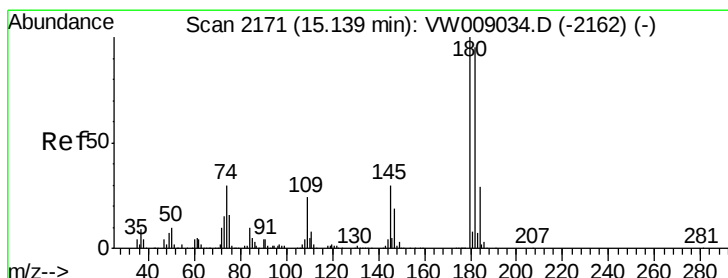
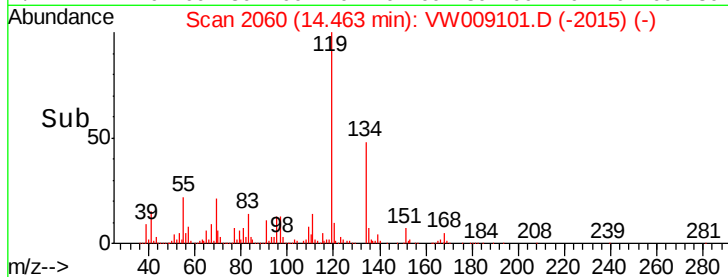
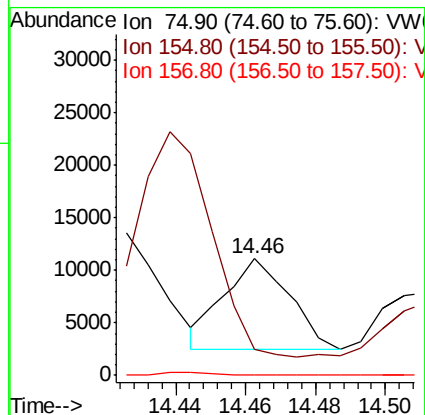
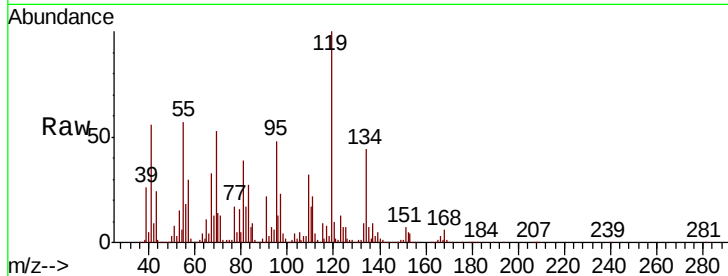
Tgt Ion: 75 Resp: 11152

Ion Ratio Lower Upper

75 100

155 0.0 40.8 122.4#

157 0.6 52.4 157.3#



#93

1,2,4-Trichlorobenzene

Concen: 32.331 ug/l

RT: 15.18 min Scan# 2177

Delta R.T. 0.04 min

Lab File: VW009101.D

Acq: 11 Mar 2019 21:46

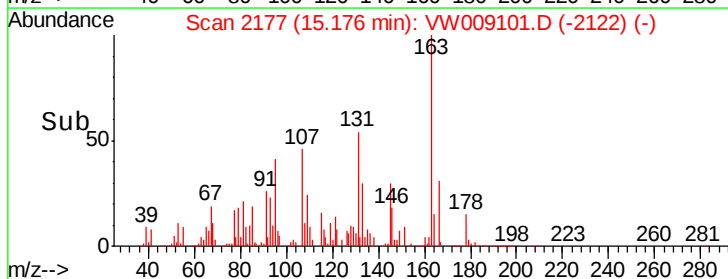
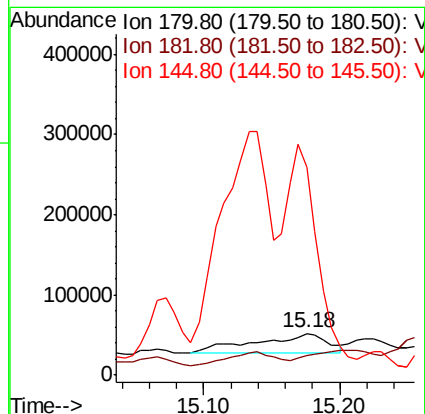
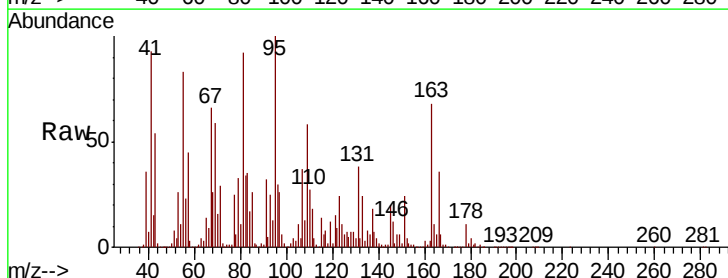
Tgt Ion: 180 Resp: 90411

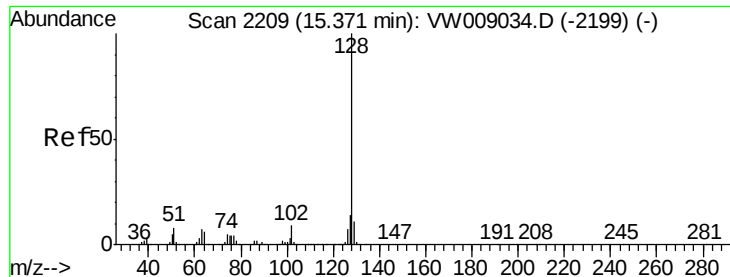
Ion Ratio Lower Upper

180 100

182 0.0 48.1 144.3#

145 481.0 15.4 46.1#

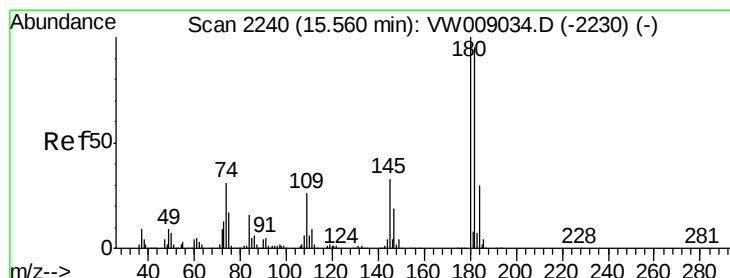
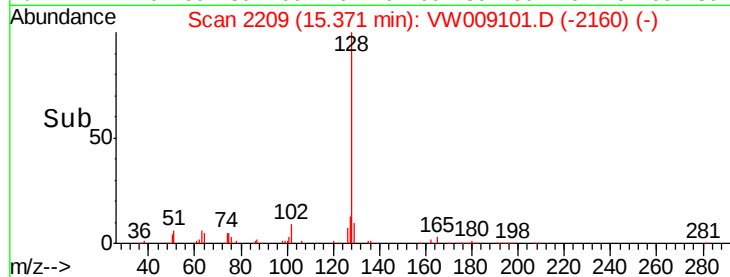
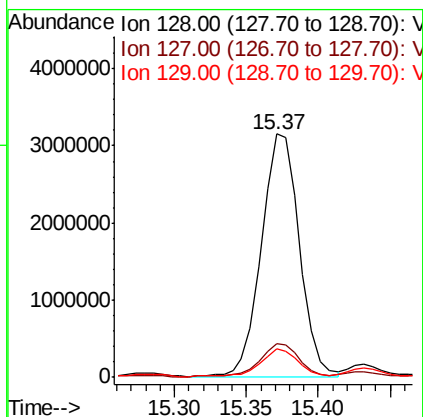
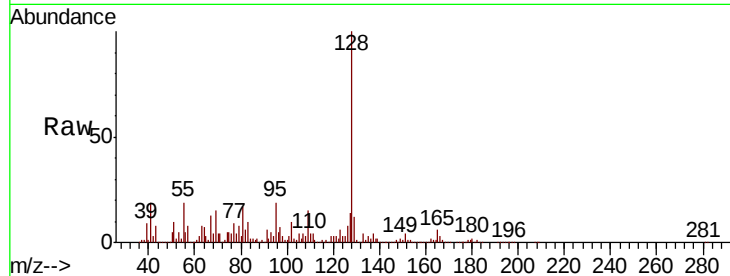




#95
Naphthalene
Concen: 1250.211 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW009101.D
Acq: 11 Mar 2019 21:46

Instrument :
MSVOA_W
ClientSampleId :
3-8-BOD

Tgt Ion:128 Resp: 5722932
Ion Ratio Lower Upper
128 100
127 13.8 11.0 16.6
129 11.3 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 123.962 ug/l
RT: 15.58 min Scan# 2244
Delta R.T. 0.02 min
Lab File: VW009101.D
Acq: 11 Mar 2019 21:46

Tgt Ion:180 Resp: 304817
Ion Ratio Lower Upper
180 100
182 1.1 48.1 144.3#
145 0.0 15.8 47.3#

