

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061518\
 Data File : VW003311.D
 Acq On : 15 Jun 2018 23:36
 Operator : SY/AP
 Sample : J3523-01
 Misc : 4.93G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 16 03:50:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 14 08:20:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	154497	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	255513	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	174042	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	48177	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	113160	67.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	135.24%	
35) Dibromofluoromethane	7.88	113	942	0.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.18%	
50) Toluene-d8	10.33	98	437661	69.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	139.04%	
62) 4-Bromofluorobenzene	12.62	95	97497	43.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.52%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	5.23	59	1944	21.661	ug/l #	84
12) 1,1-Dichloroethene	4.04	96	2052	1.467	ug/l #	81
13) Acrolein	3.91	56	141	1.099	ug/l #	15
15) Acrylonitrile	5.42	53	2594	8.327	ug/l #	28
16) Acetone	4.15	43	55210	157.307	ug/l	99
17) Carbon Disulfide	4.37	76	22795	5.513	ug/l	97
18) Methyl Acetate	4.50	43	3099	3.722	ug/l #	52
19) Methyl tert-butyl Ether	5.42	73	5880	2.245	ug/l #	1
20) Methylene Chloride	4.92	84	18003	9.070	ug/l	89
25) 2-Butanone	7.19	43	16557	37.938	ug/l	97
29) Tetrahydrofuran	7.54	42	955	3.580	ug/l #	39
31) Cyclohexane	7.95	56	38178	14.119	ug/l #	87
36) 1,1-Dichloropropene	7.95	75	12329	4.996	ug/l #	51
37) Ethyl Acetate	7.19	43	16557	16.196	ug/l #	69
38) Carbon Tetrachloride	7.95	117	15571	6.433	ug/l #	15
39) Methylcyclohexane	9.34	83	187025	65.504	ug/l	95
40) Benzene	8.33	78	42678	6.275	ug/l	95
41) Methacrylonitrile	7.54	41	5939	9.467	ug/l #	49
43) Isopropyl Acetate	8.43	43	7564	3.726	ug/l #	53
45) 1,2-Dichloropropane	9.34	63	2952	1.705	ug/l #	1
47) Bromodichloromethane	9.62	83	5451	2.398	ug/l #	61
48) Methyl methacrylate	9.47	41	4305	4.513	ug/l #	12
51) 4-Methyl-2-Pentanone	10.25	43	20720	20.033	ug/l #	84
52) Toluene	10.39	92	288219	66.079	ug/l	98
55) 1,1,2-Trichloroethane	10.77	97	756615	605.571	ug/l #	19
56) Ethyl methacrylate	10.67	69	157395	103.740	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.96	63	1702	2.502	ug/l #	48
59) 2-Hexanone	10.94	43	415125	574.521	ug/l #	32
64) Tetrachloroethene	10.87	164	3688	3.168	ug/l #	83
67) Ethyl Benzene	11.74	91	5554834	864.633	ug/l	100
68) m/p-Xylenes	11.85	106	12298578	5035.893	ug/l #	66
69) o-Xylene	12.18	106	2589149	1143.946	ug/l	99
70) Styrene	12.18	104	137529	36.506	ug/l #	1
73) Isopropylbenzene	12.48	105	240301	71.712	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

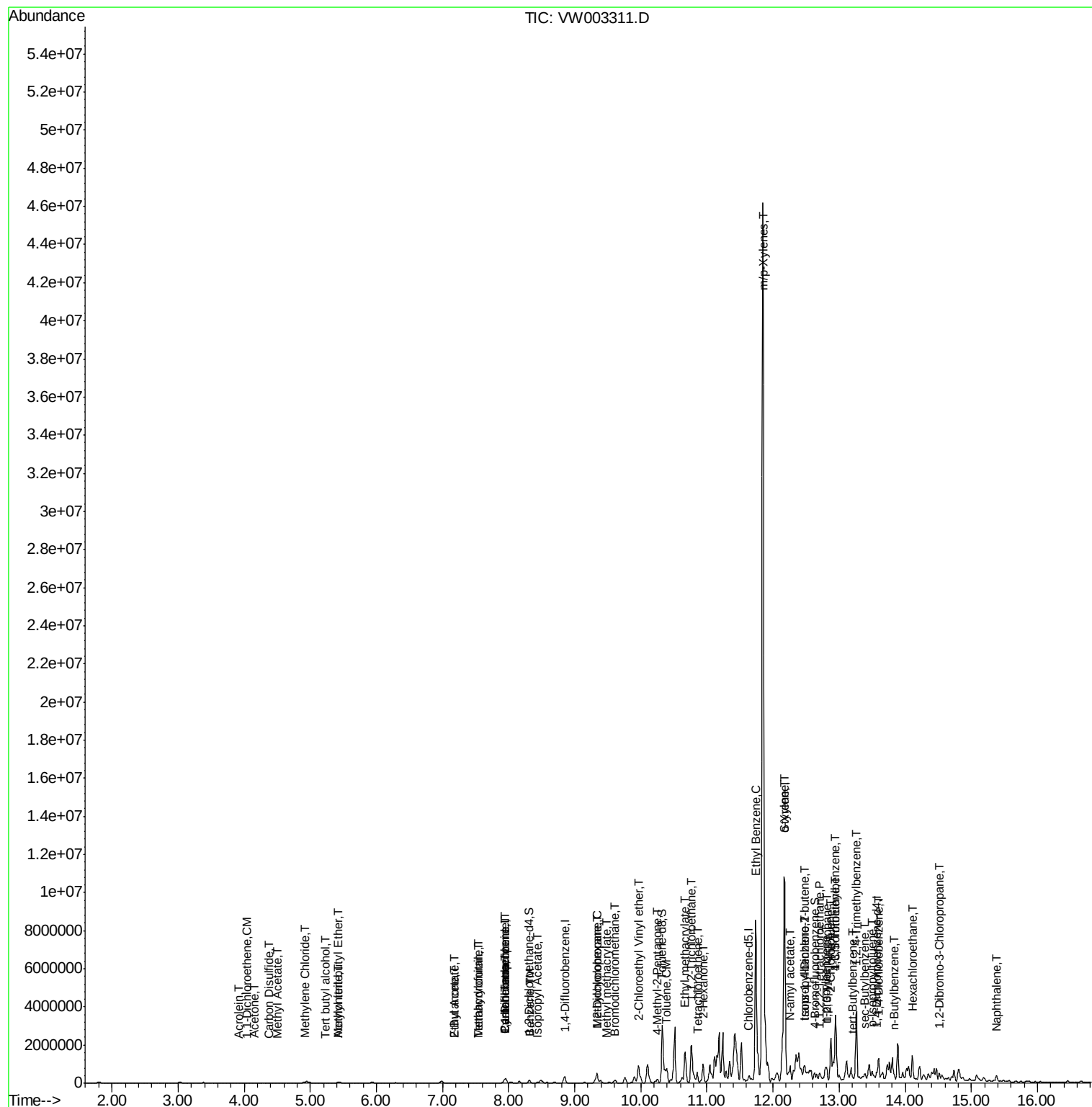
74) N-amyl acetate	12.26	43	202969	266.117	ug/l #	45
75) 1,1,2,2-Tetrachloroethane	12.69	83	11987	21.145	ug/l #	86
76) 1,2,3-Trichloropropane	12.82	75	3397	8.248	ug/l #	100
78) n-propylbenzene	12.81	91	446749	108.880	ug/l	100
79) 2-Chlorotoluene	12.88	91	160035	69.017	ug/l #	43
80) 1,3,5-Trimethylbenzene	12.95	105	890956	316.766	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.48	75	3445	19.247	ug/l #	1
82) 4-Chlorotoluene	12.95	91	96921	39.402	ug/l #	44
83) tert-Butylbenzene	13.21	119	20290	8.465	ug/l	96
84) 1,2,4-Trimethylbenzene	13.26	105	1956460	676.206	ug/l	100
85) sec-Butylbenzene	13.40	105	149488	41.957	ug/l #	76
86) p-Isopropyltoluene	13.51	119	122898	39.109	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	2390	1.500	ug/l #	1
89) n-Butylbenzene	13.83	91	127189	41.522	ug/l #	71
90) Hexachloroethane	14.11	117	60307	106.087	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	14.51	75	901	9.444	ug/l #	6
95) Naphthalene	15.38	128	272515	162.960	ug/l	100

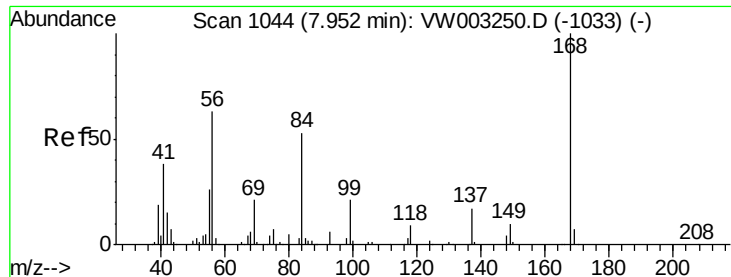
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003311.D

Acq: 15 Jun 2018 23:36

Instrument :

MSVOA_W

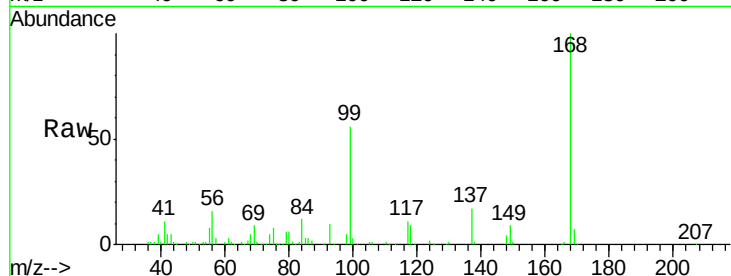
ClientSampled :

Tot Ion:168 Resp: 154497

Ion Ratio Lower Upper

168 100

99 55.8 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

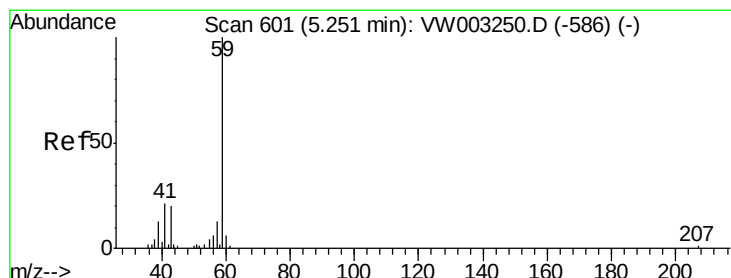
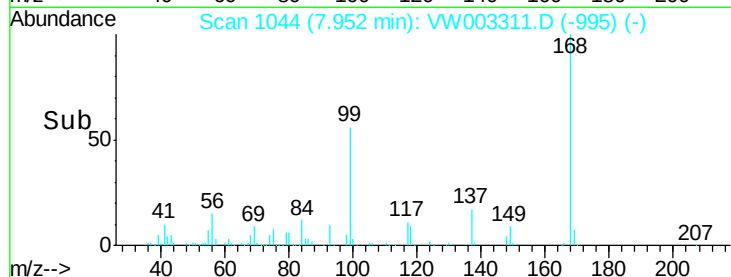
40000

20000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: 21.661 ug/l

RT: 5.23 min Scan# 598

Delta R.T. -0.02 min

Lab File: VW003311.D

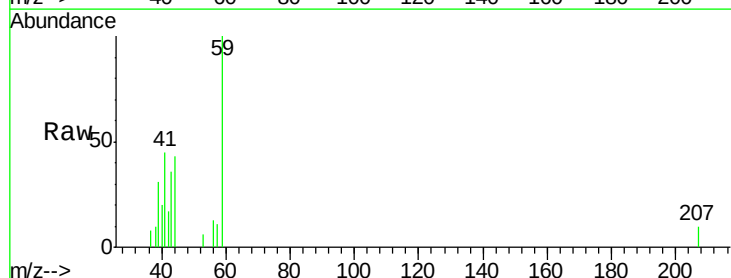
Acq: 15 Jun 2018 23:36

Tgt Ion: 59 Resp: 1944

Ion Ratio Lower Upper

59 100

57 0.0 4.2 6.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.23

800

600

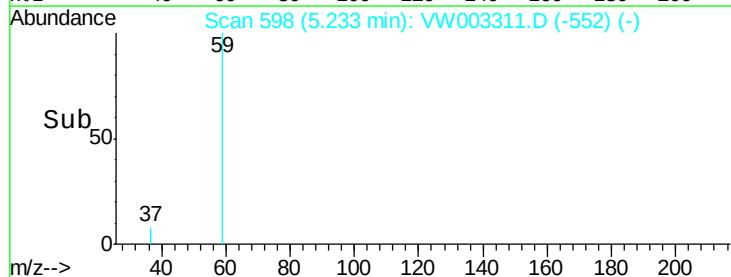
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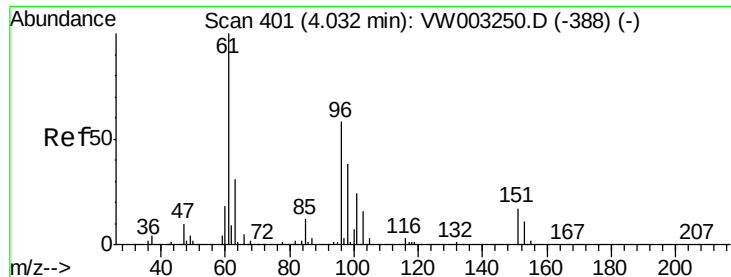
200

0

5.10 5.15 5.20 5.25

Time-->

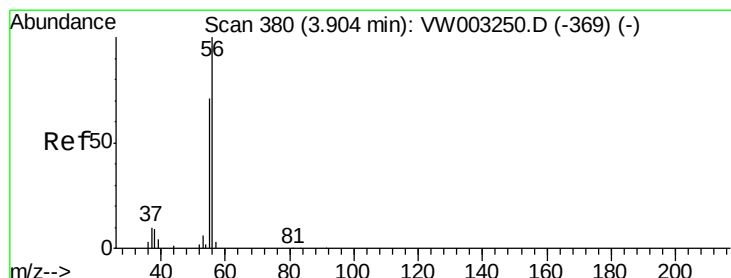
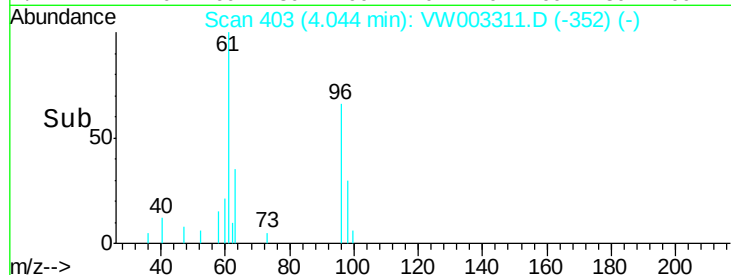
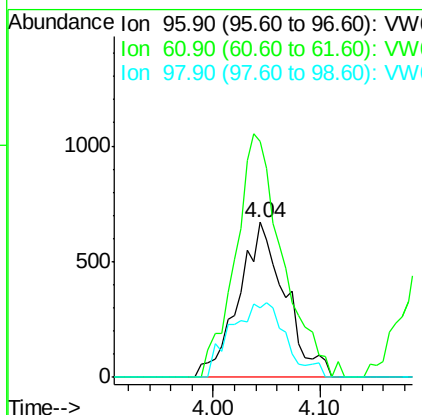
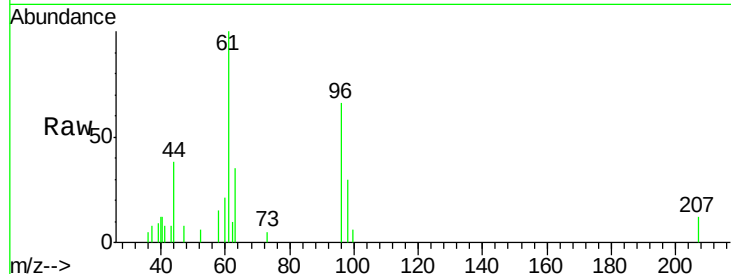




#12
 1,1-Dichloroethene
 Concen: 1.467 ug/l
 RT: 4.04 min Scan# 403
 Delta R.T. 0.01 min
 Lab File: VW003311.D
 Acq: 15 Jun 2018 23:36

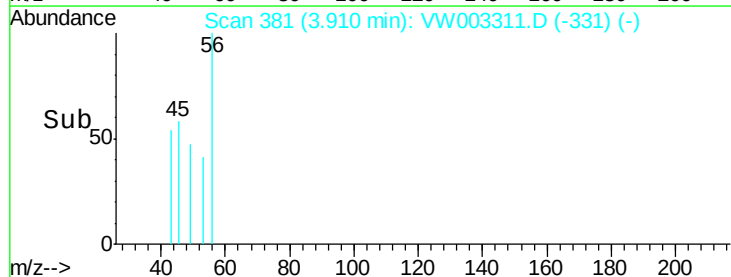
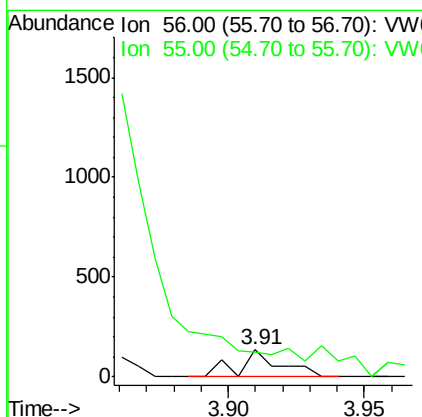
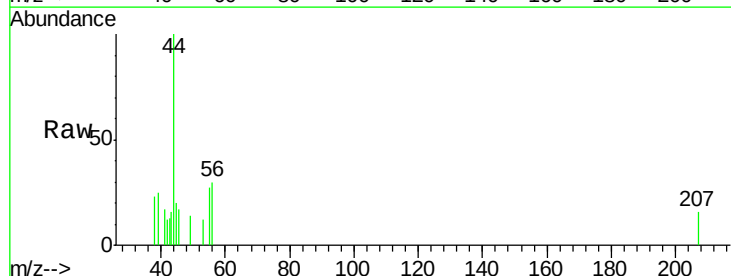
Instrument :
 MSVOA_W
 ClientSampled :

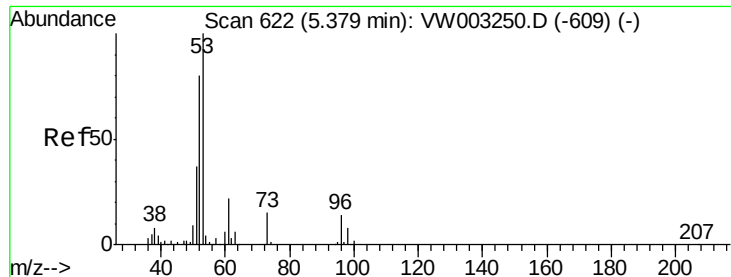
Tot Ion: 96 Resp: 2052
 Ion Ratio Lower Upper
 96 100
 61 151.9 139.0 208.4
 98 45.1 53.3 79.9#



#13
 Acrolein
 Concen: 1.099 ug/l
 RT: 3.91 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VW003311.D
 Acq: 15 Jun 2018 23:36

Tgt Ion: 56 Resp: 141
 Ion Ratio Lower Upper
 56 100
 55 0.0 55.4 83.2#





#15

Acrylonitrile

Concen: 8.327 ug/l

RT: 5.42 min Scan# 629

Delta R.T. 0.04 min

Lab File: VW003311.D

Acq: 15 Jun 2018 23:36

Instrument :

MSVOA_W

ClientSampled :

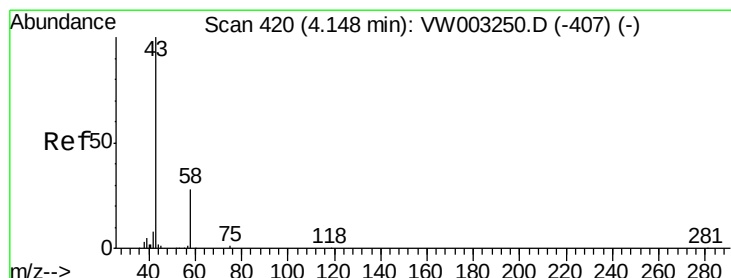
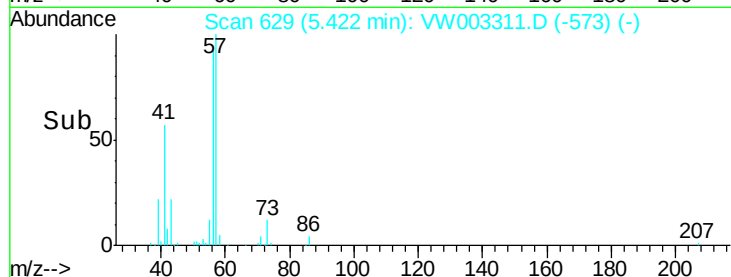
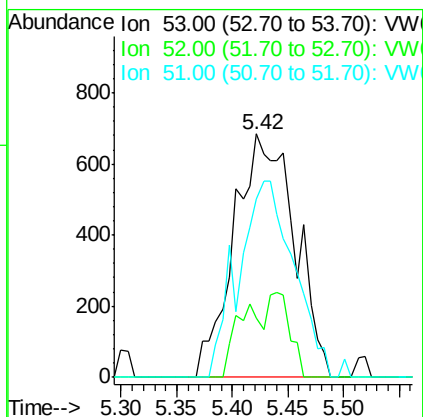
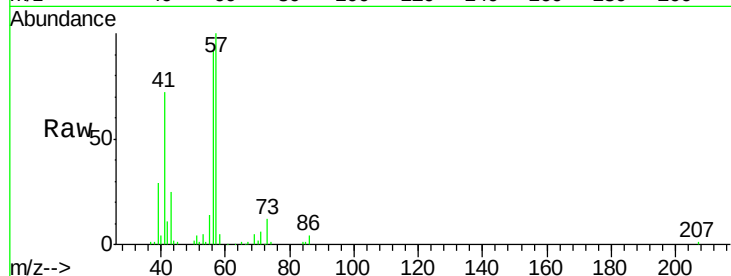
Tot Ion: 53 Resp: 2594

Ion Ratio Lower Upper

53 100

52 13.1 66.6 100.0#

51 73.8 30.6 46.0#



#16

Acetone

Concen: 157.307 ug/l

RT: 4.15 min Scan# 421

Delta R.T. 0.01 min

Lab File: VW003311.D

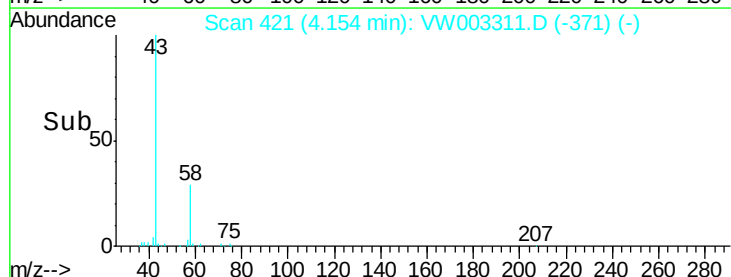
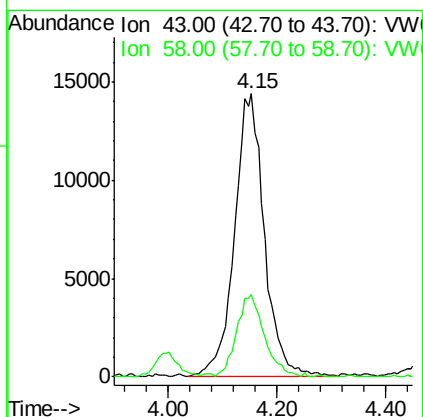
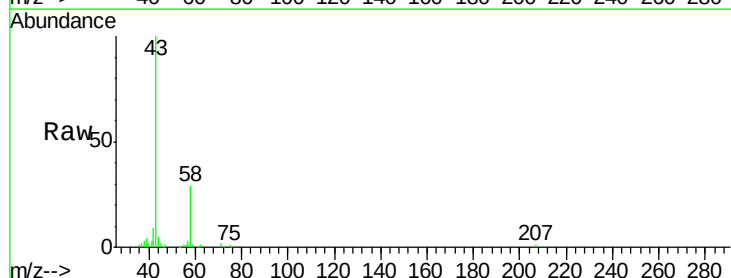
Acq: 15 Jun 2018 23:36

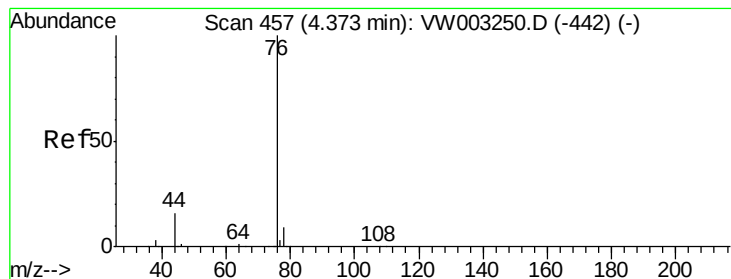
Tgt Ion: 43 Resp: 55210

Ion Ratio Lower Upper

43 100

58 29.0 22.6 34.0





#17

Carbon Disulfide

Concen: 5.513 ug/l

RT: 4.37 min Scan# 457

Delta R.T. 0.00 min

Lab File: VW003311.D

Acq: 15 Jun 2018 23:36

Instrument :

MSVOA_W

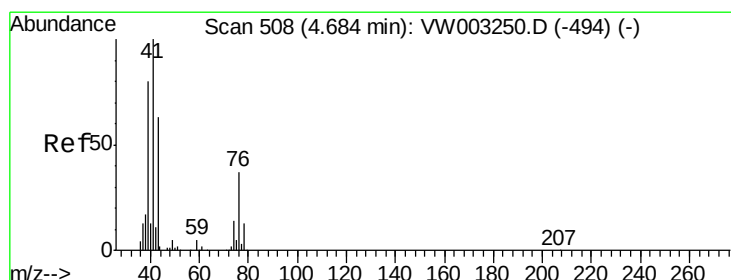
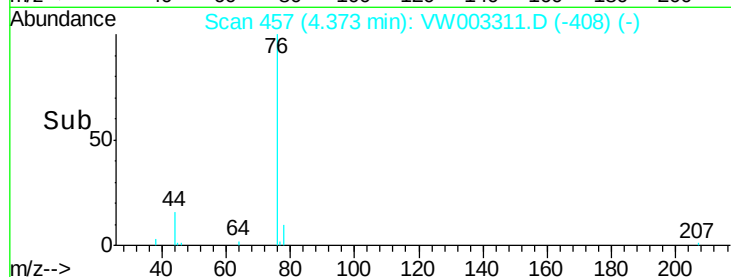
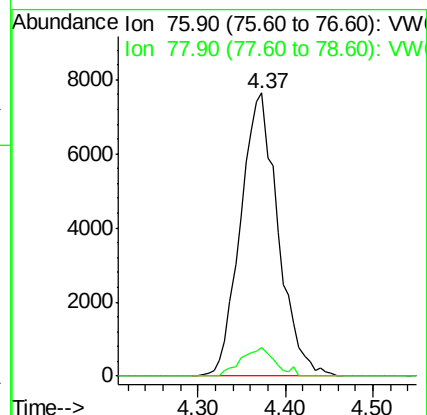
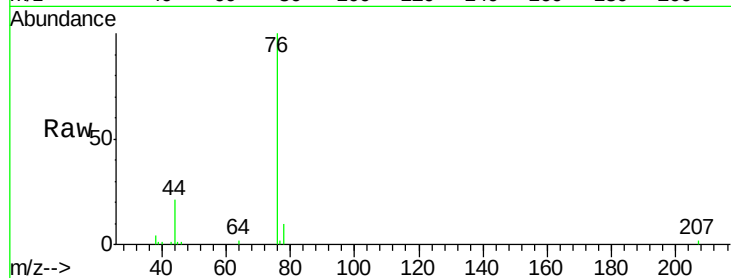
ClientSampleId :

Tot Ion: 76 Resp: 22795

Ion Ratio Lower Upper

76 100

78 9.9 7.1 10.7



#18

Methyl Acetate

Concen: 3.722 ug/l

RT: 4.50 min Scan# 477

Delta R.T. -0.19 min

Lab File: VW003311.D

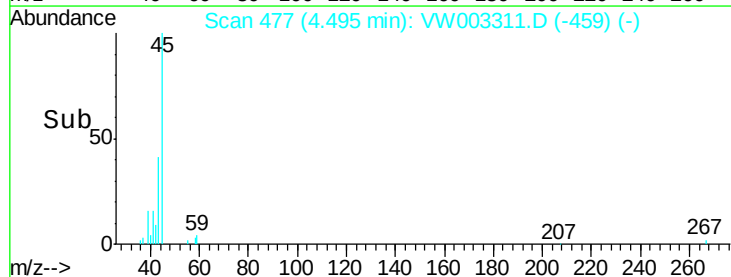
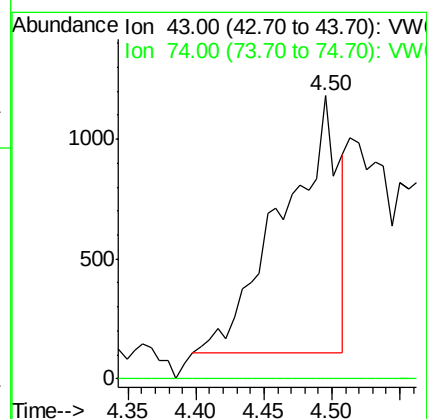
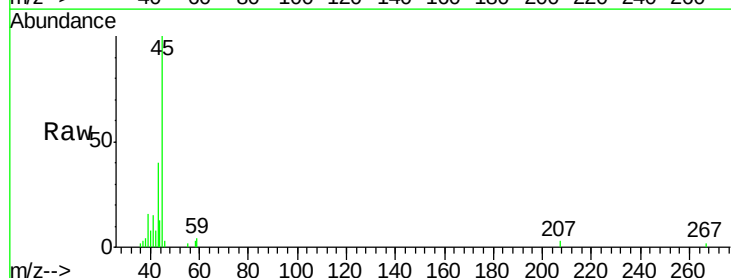
Acq: 15 Jun 2018 23:36

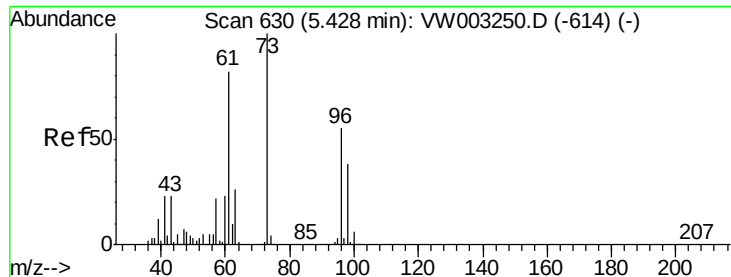
Tgt Ion: 43 Resp: 3099

Ion Ratio Lower Upper

43 100

74 0.0 18.7 28.1#

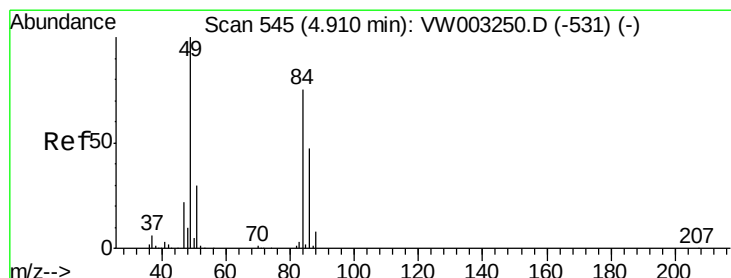
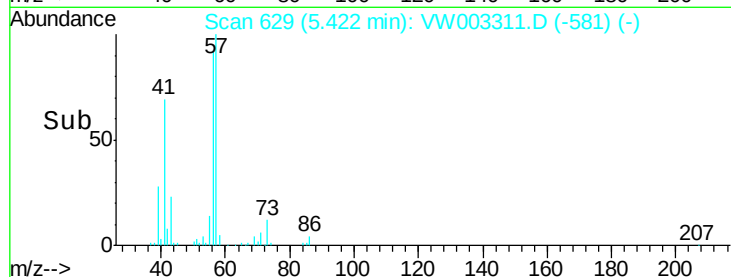
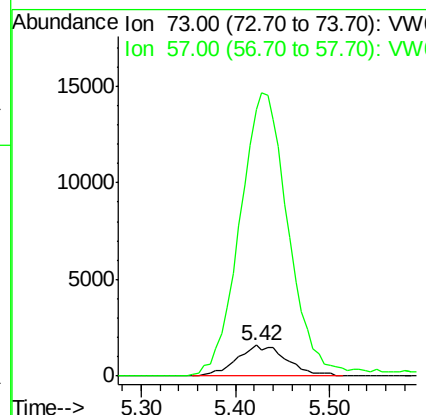
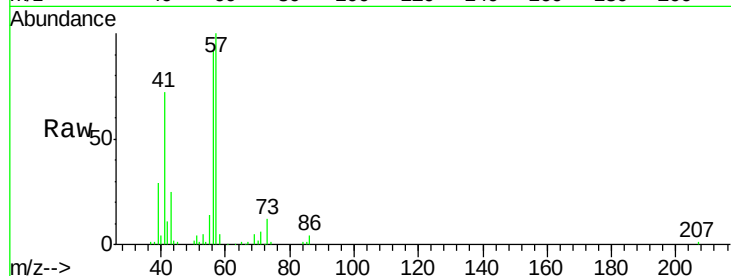




#19
Methyl tert-butyl Ether
Concen: 2.245 ug/l
RT: 5.42 min Scan# 629
Delta R.T. -0.01 min
Lab File: VW003311.D
Acq: 15 Jun 2018 23:36

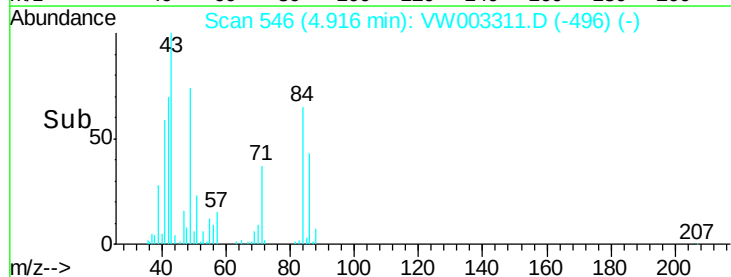
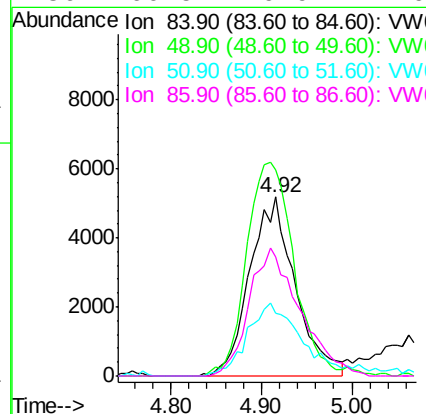
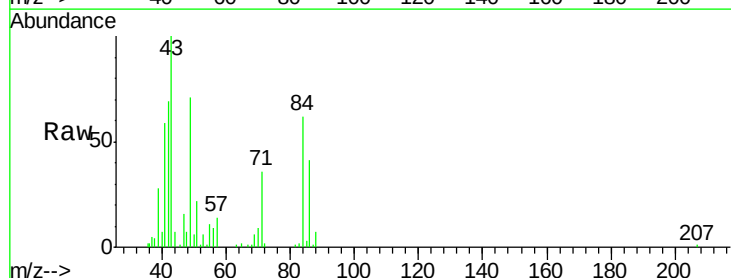
Instrument :
MSVOA_W
ClientSampleId :

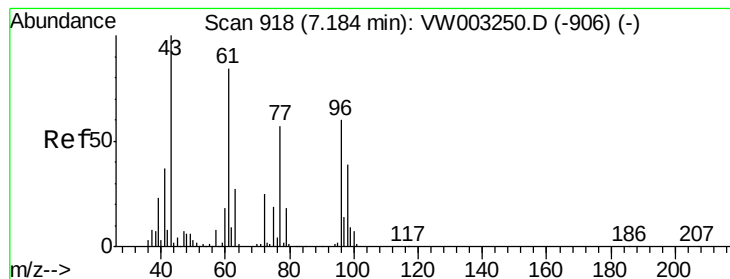
Tot Ion: 73 Resp: 5880
Ion Ratio Lower Upper
73 100
57 854.2 18.0 27.0#



#20
Methylene Chloride
Concen: 9.070 ug/l
RT: 4.92 min Scan# 546
Delta R.T. 0.01 min
Lab File: VW003311.D
Acq: 15 Jun 2018 23:36

Tgt Ion: 84 Resp: 18003
Ion Ratio Lower Upper
84 100
49 114.9 106.3 159.5
51 35.4 32.0 48.0
86 66.5 49.9 74.9





#25

2-Butanone

Concen: 37.938 ug/l

RT: 7.19 min Scan# 919

Delta R.T. 0.01 min

Lab File: VW003311.D

Acq: 15 Jun 2018 23:36

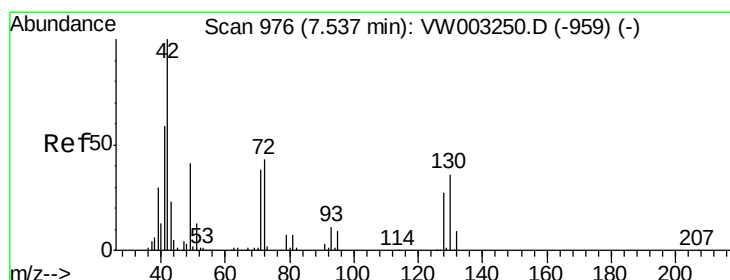
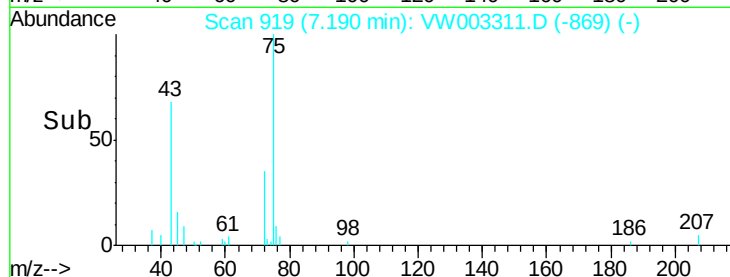
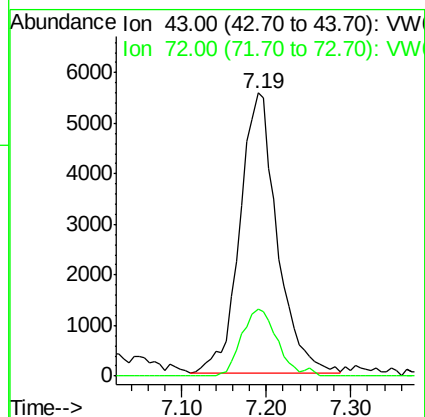
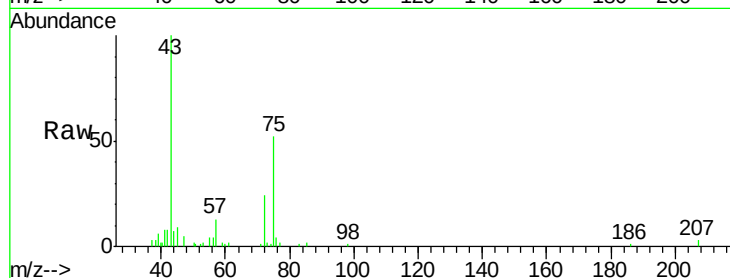
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 16557

Ion Ratio Lower Upper

43 100

72 24.1 20.3 30.5



#29

Tetrahydrofuran

Concen: 3.580 ug/l

RT: 7.54 min Scan# 976

Delta R.T. 0.00 min

Lab File: VW003311.D

Acq: 15 Jun 2018 23:36

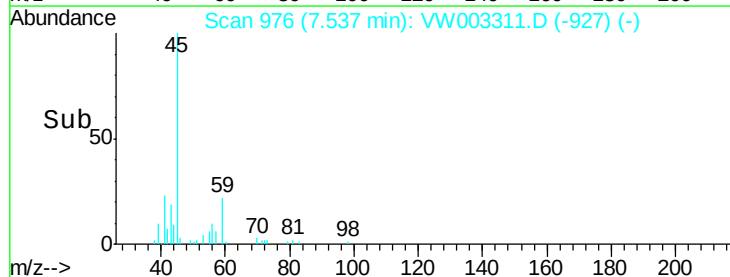
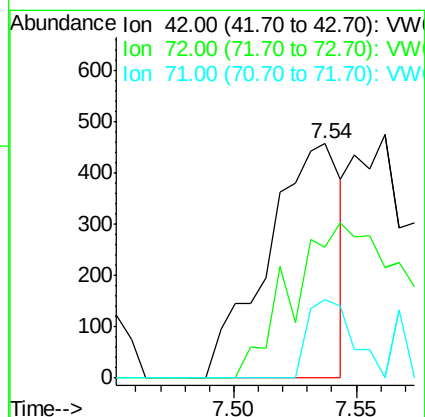
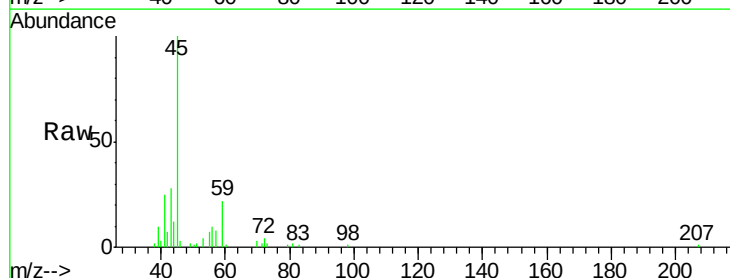
Tgt Ion: 42 Resp: 955

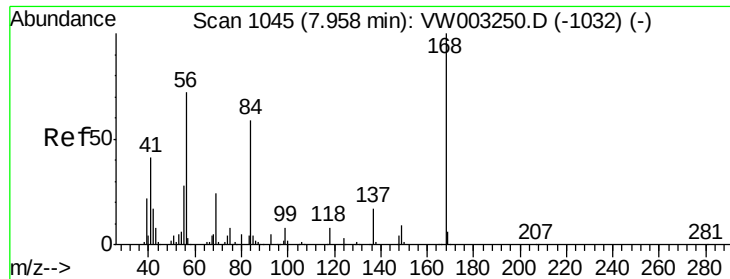
Ion Ratio Lower Upper

42 100

72 97.3 32.4 48.6#

71 20.7 31.2 46.8#

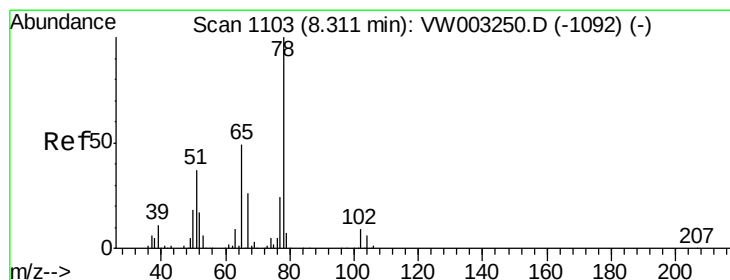
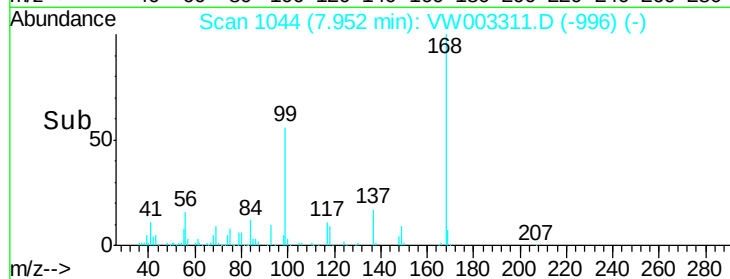
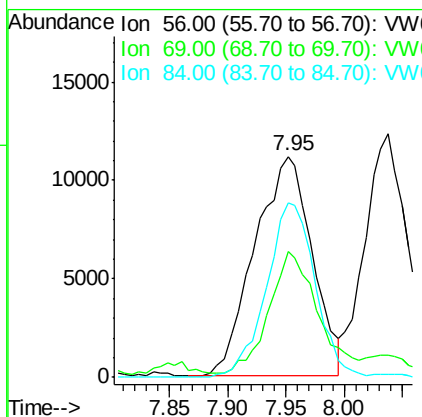
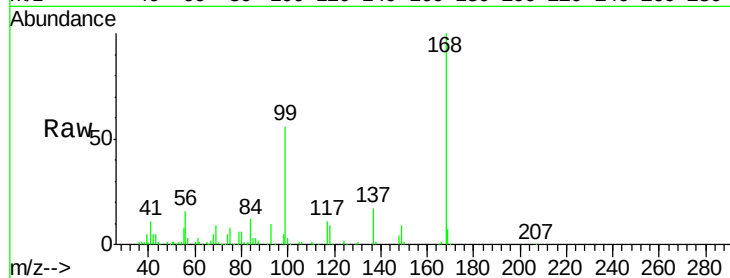




#31
Cyclohexane
Concen: 14.119 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VW003311.D
Acq: 15 Jun 2018 23:36

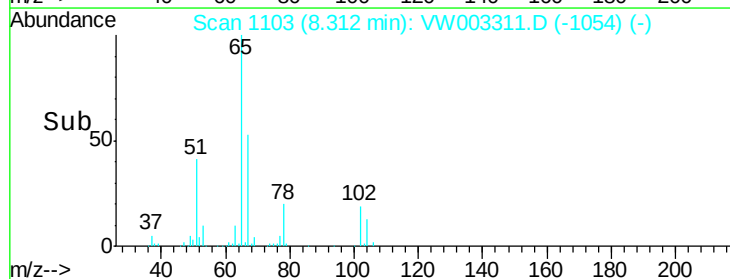
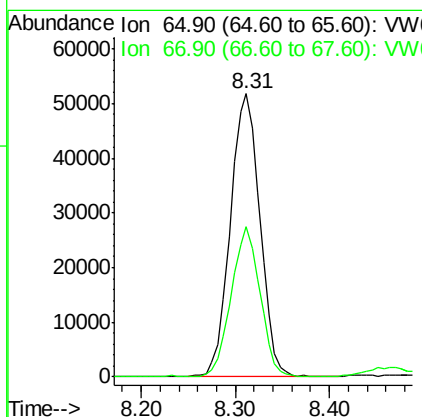
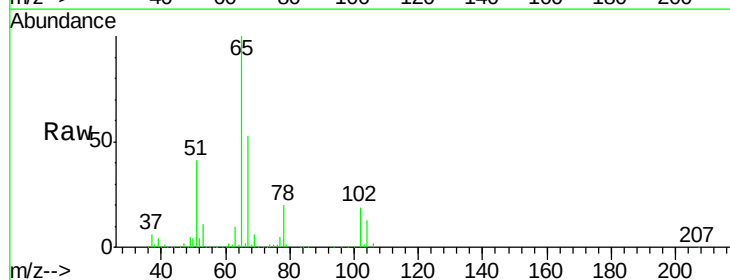
Instrument :
MSVOA_W
ClientSampleId :

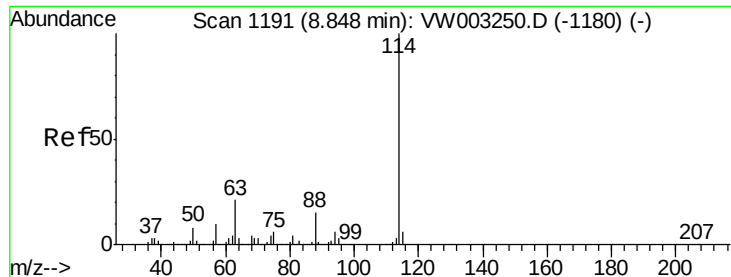
Tot Ion: 56 Resp: 38178
Ion Ratio Lower Upper
56 100
69 54.4 26.3 39.5#
84 79.7 65.7 98.5



#33
1,2-Dichloroethane-d4
Concen: 67.621 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VW003311.D
Acq: 15 Jun 2018 23:36

Tgt Ion: 65 Resp: 113160
Ion Ratio Lower Upper
65 100
67 51.8 0.0 104.2

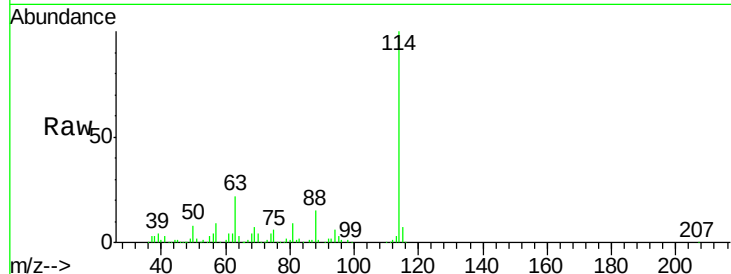




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003311.D
 Acq: 15 Jun 2018 23:36

Instrument :
 MSVOA_W
 ClientSampleId :

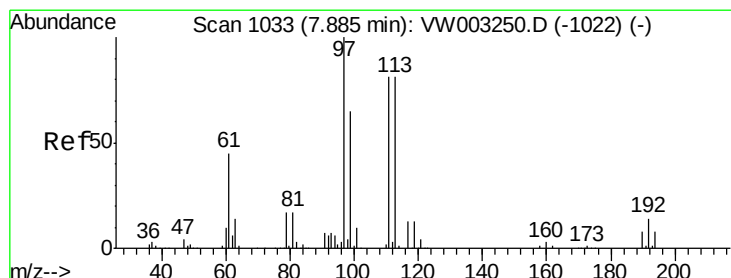
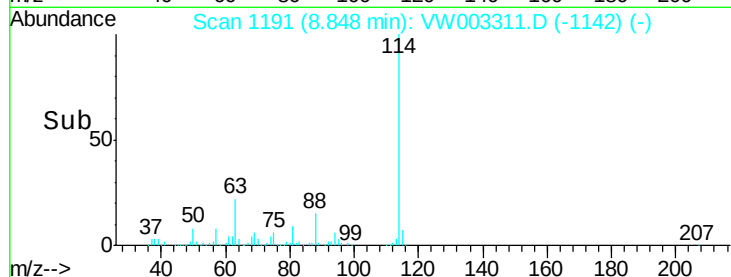
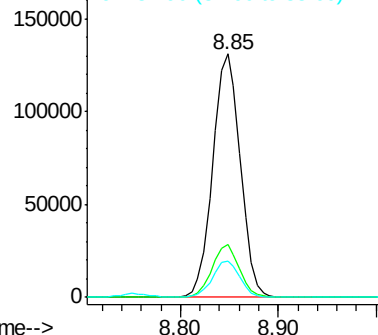
Tot Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	43.0
88	15.0	0.0	29.6



Abundance Ion 113.90 (113.60 to 114.60): V

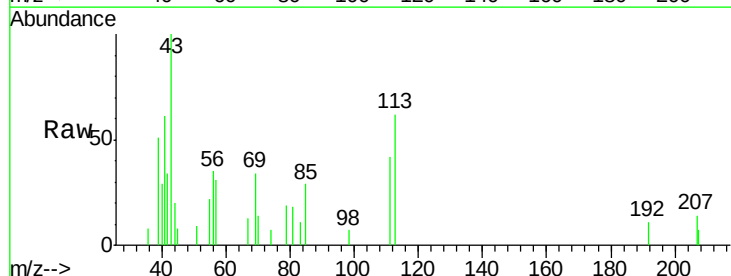
Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35
 Dibromofluoromethane
 Concen: 0.593 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003311.D
 Acq: 15 Jun 2018 23:36

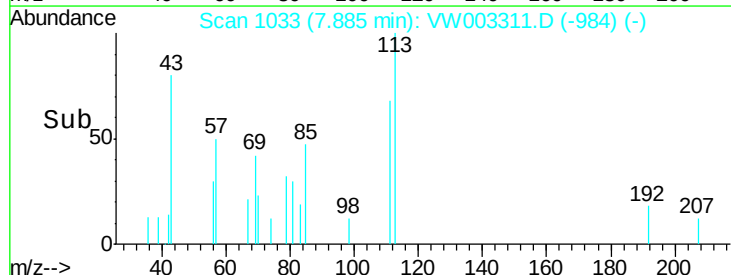
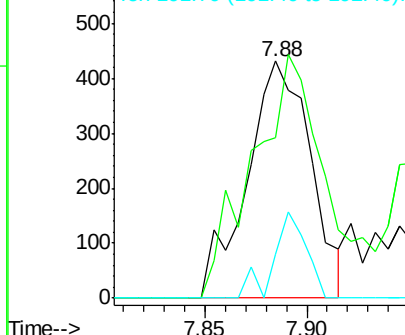
Tgt Ion	Ratio	Lower	Upper
113	100		
111	117.3	82.2	123.2
192	18.5	16.2	24.2

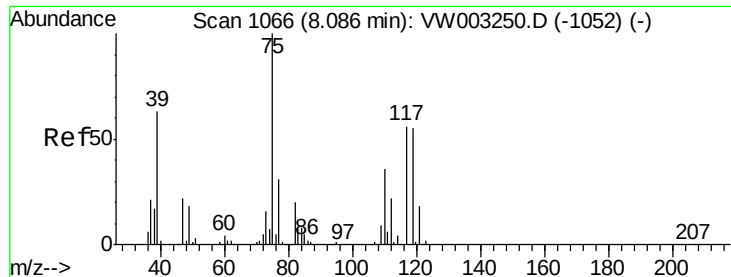


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

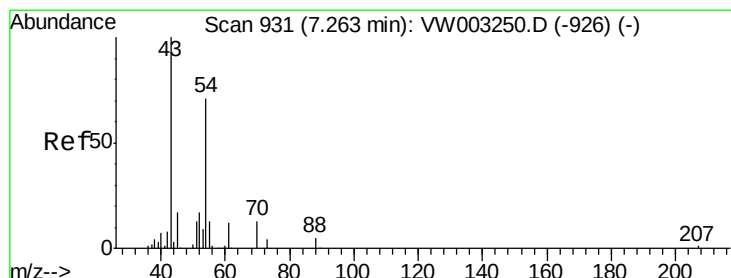
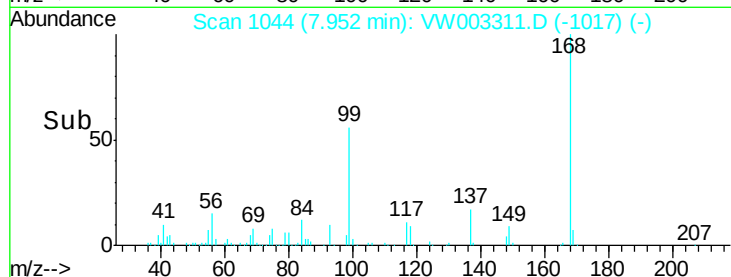
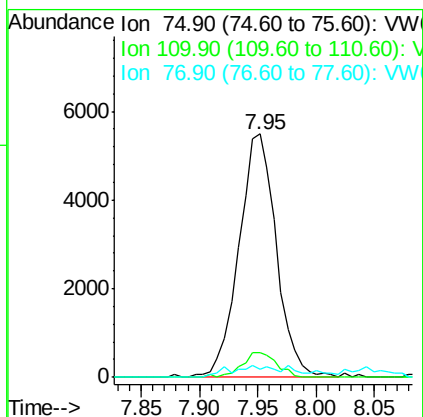
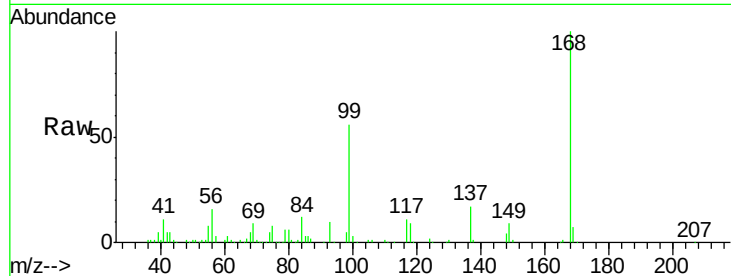




#36
 1,1-Dichloropropene
 Concen: 4.996 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW003311.D
 Acq: 15 Jun 2018 23:36

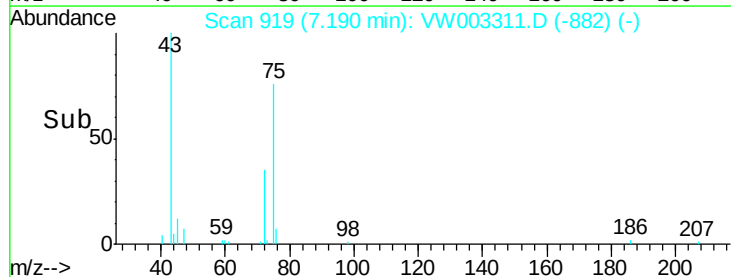
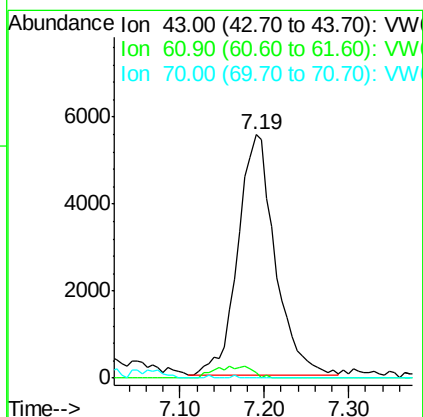
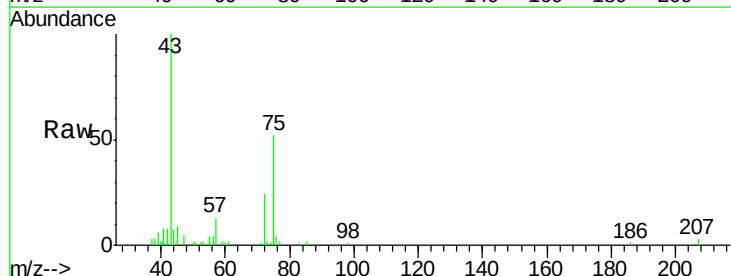
Instrument :
 MSVOA_W
 ClientSampleId :

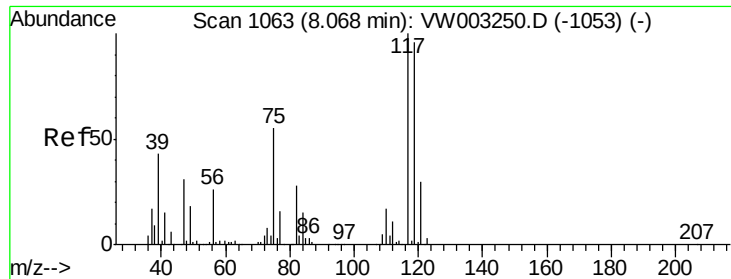
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.6	17.1	51.3#
77	0.0	24.9	37.3#



#37
 Ethyl Acetate
 Concen: 16.196 ug/l
 RT: 7.19 min Scan# 919
 Delta R.T. -0.07 min
 Lab File: VW003311.D
 Acq: 15 Jun 2018 23:36

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.8	16.2#
70	0.0	7.8	11.6#





#38

Carbon Tetrachloride

Concen: 6.433 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW003311.D

Acq: 15 Jun 2018 23:36

Instrument :

MSVOA_W

ClientSampled :

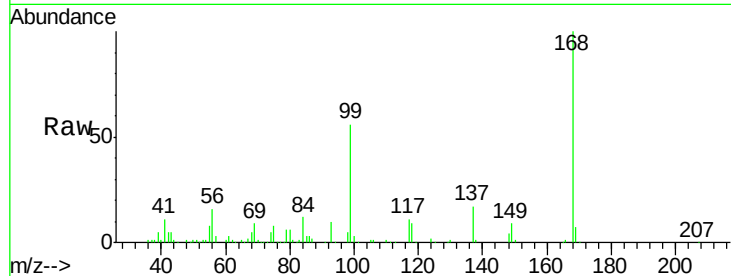
Tot Ion:117 Resp: 15571

Ion Ratio Lower Upper

117 100

119 4.3 76.6 115.0#

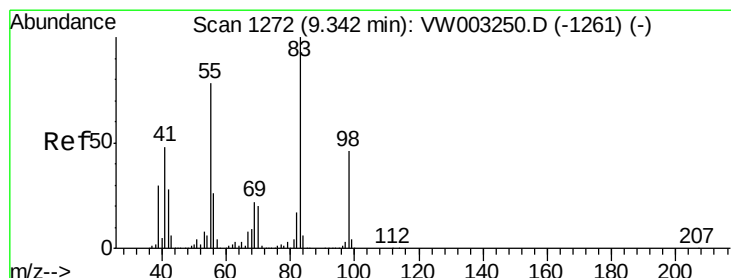
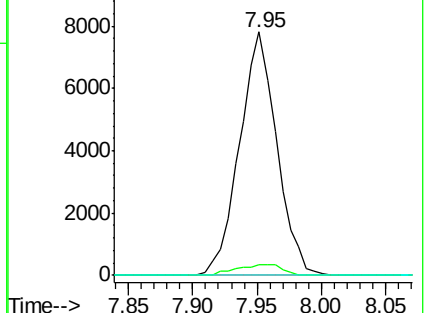
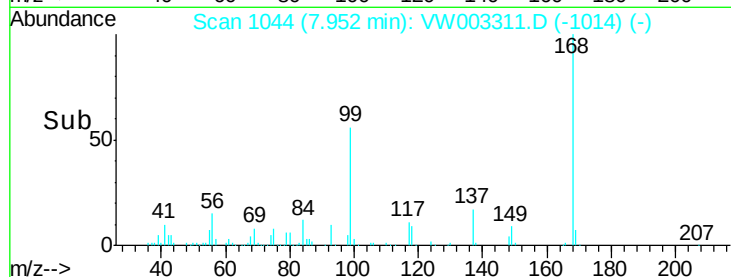
121 0.0 23.9 35.9#



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: 65.504 ug/l

RT: 9.34 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VW003311.D

Acq: 15 Jun 2018 23:36

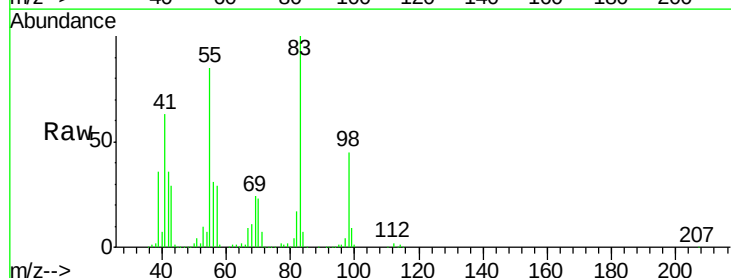
Tgt Ion: 83 Resp: 187025

Ion Ratio Lower Upper

83 100

55 84.7 62.6 93.8

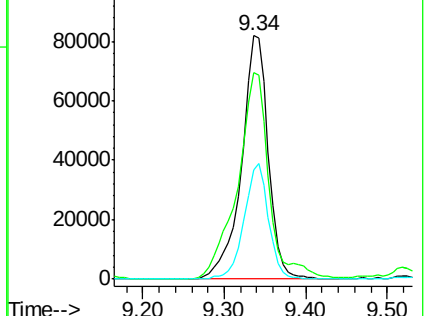
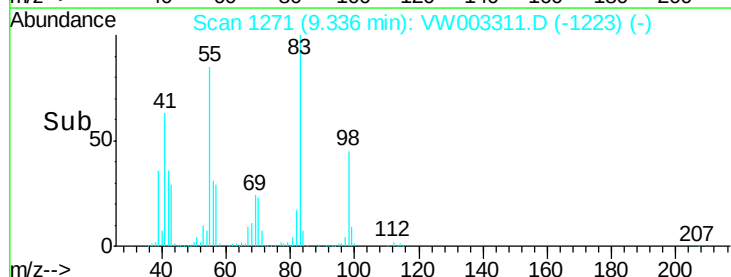
98 45.1 37.0 55.4

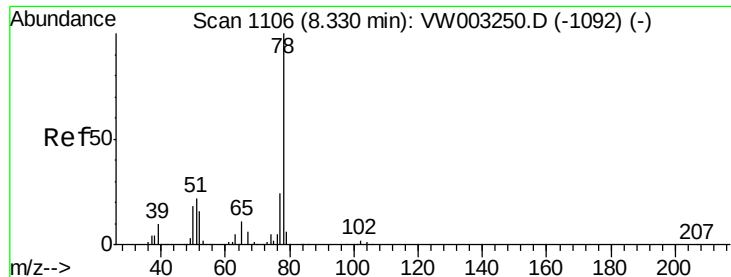


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

Benzene

Concen: 6.275 ug/l

RT: 8.33 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VW003311.D

Acq: 15 Jun 2018 23:36

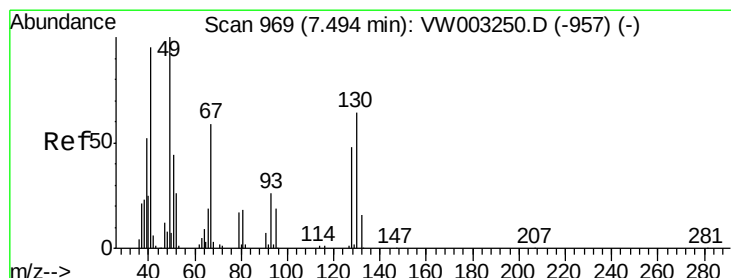
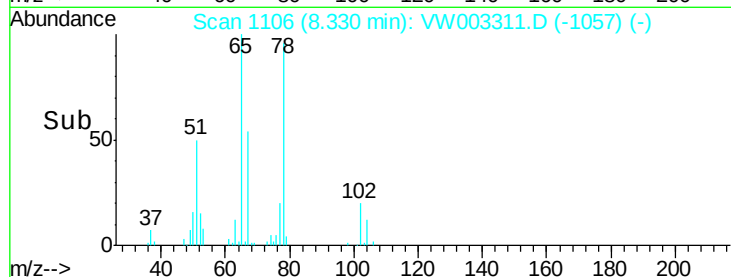
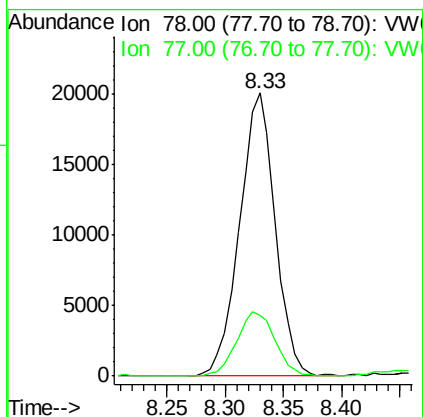
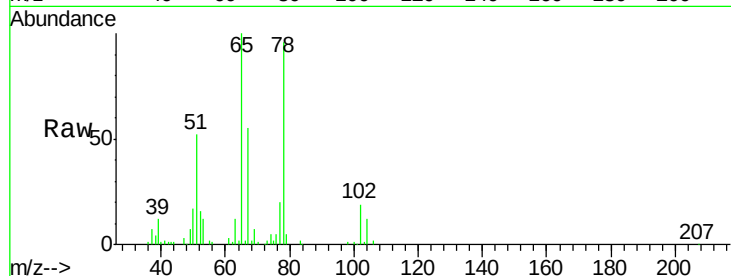
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 78 Resp: 42678

Ion Ratio Lower Upper

78 100

77 21.4 19.0 28.6



#41

Methacrylonitrile

Concen: 9.467 ug/l

RT: 7.54 min Scan# 976

Delta R.T. 0.04 min

Lab File: VW003311.D

Acq: 15 Jun 2018 23:36

Tgt Ion: 41 Resp: 5939

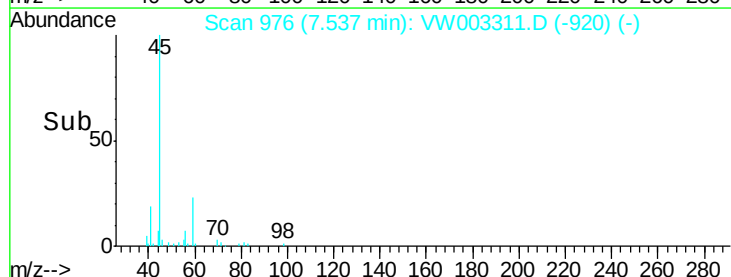
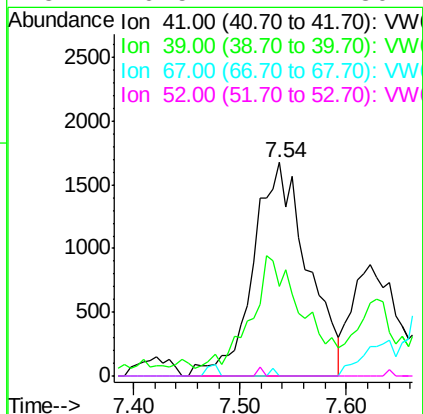
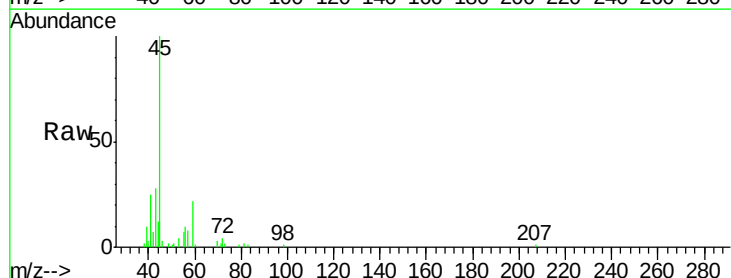
Ion Ratio Lower Upper

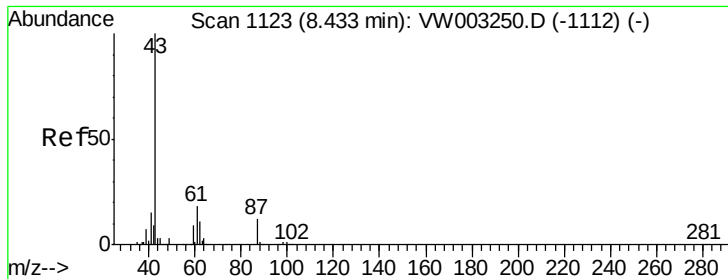
41 100

39 48.6 45.8 68.8

67 0.0 52.3 78.5#

52 0.5 24.1 36.1#





#43

Isopropyl Acetate

Concen: 3.726 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VW003311.D

Acq: 15 Jun 2018 23:36

Instrument :

MSVOA_W

ClientSampled :

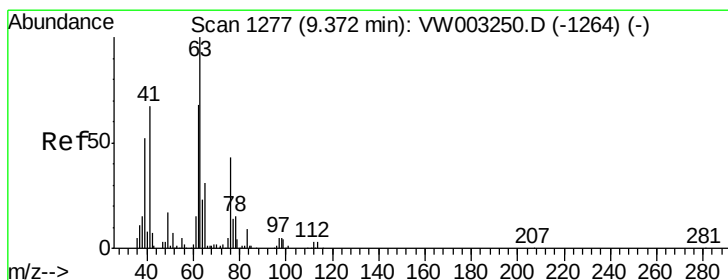
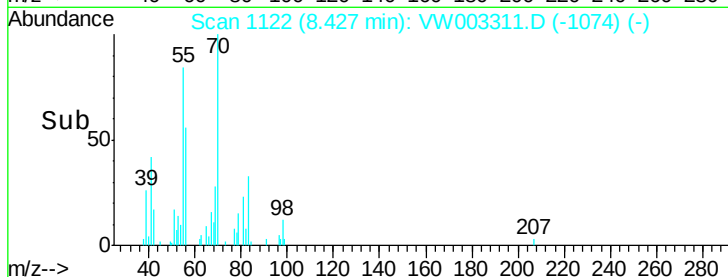
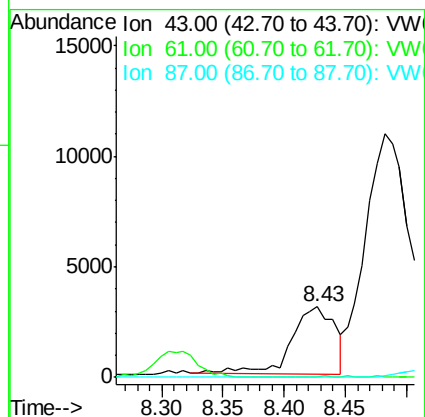
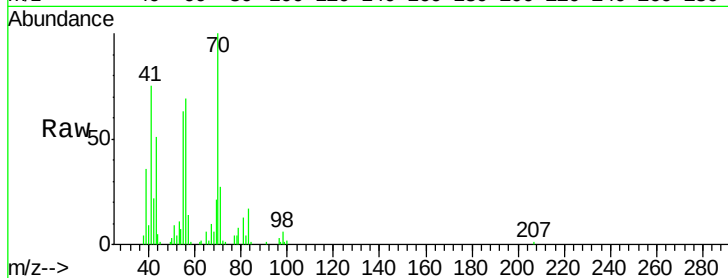
Tot Ion: 43 Resp: 7564

Ion Ratio Lower Upper

43 100

61 0.0 23.1 34.7#

87 0.0 9.8 14.6#



#45

1,2-Dichloropropane

Concen: 1.705 ug/l

RT: 9.34 min Scan# 1271

Delta R.T. -0.04 min

Lab File: VW003311.D

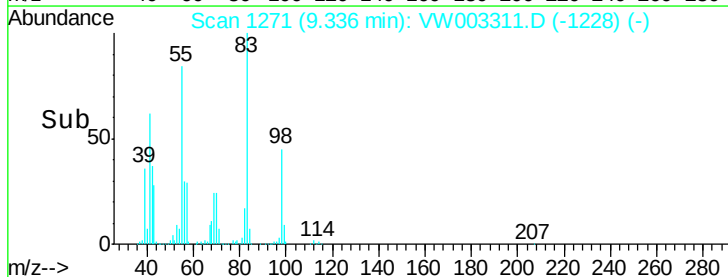
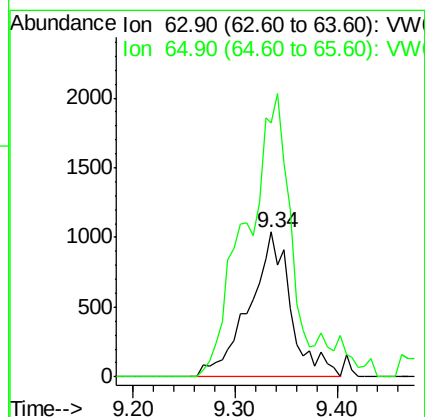
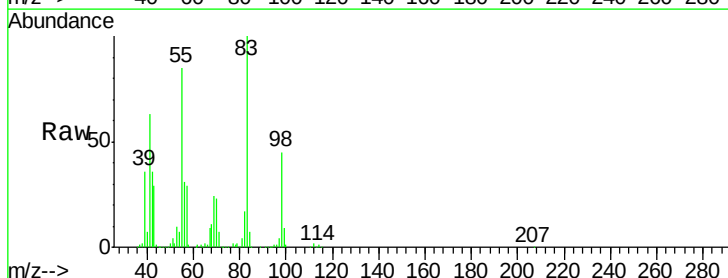
Acq: 15 Jun 2018 23:36

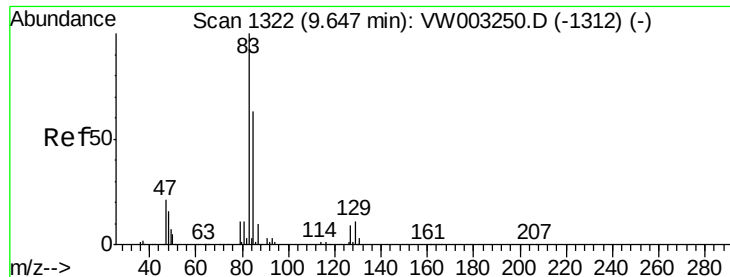
Tgt Ion: 63 Resp: 2952

Ion Ratio Lower Upper

63 100

65 175.1 25.1 37.7#





#47

Bromodichloromethane

Concen: 2.398 ug/l

RT: 9.62 min Scan# 1317

Delta R.T. -0.03 min

Lab File: VW003311.D

Acq: 15 Jun 2018 23:36

Instrument :

MSVOA_W

ClientSampled :

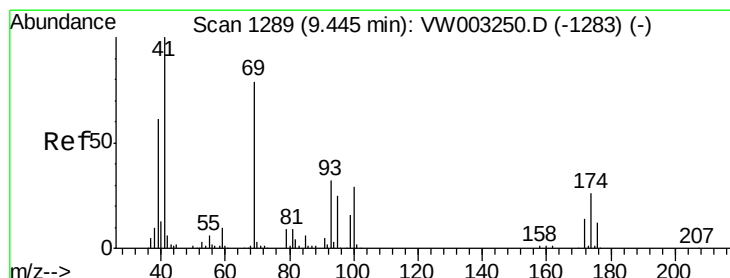
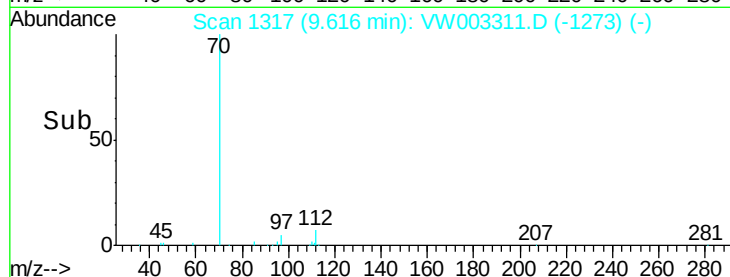
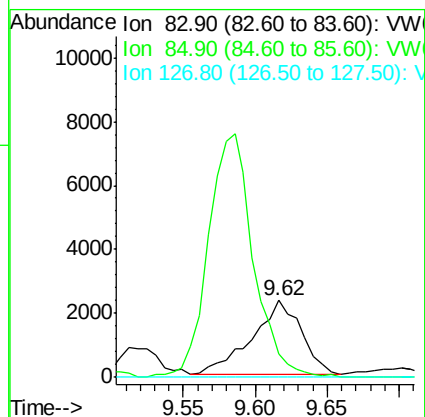
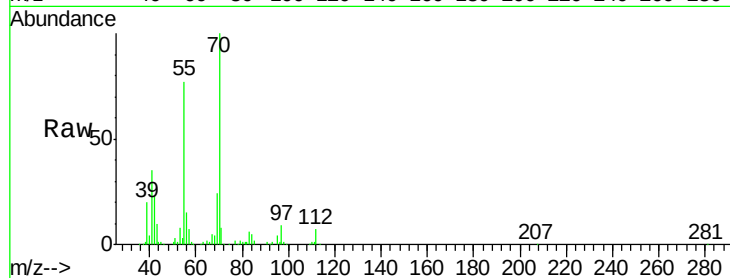
Tot Ion: 83 Resp: 5451

Ion Ratio Lower Upper

83 100

85 31.7 50.6 75.8#

127 0.0 6.8 10.2#



#48

Methyl methacrylate

Concen: 4.513 ug/l

RT: 9.47 min Scan# 1293

Delta R.T. 0.02 min

Lab File: VW003311.D

Acq: 15 Jun 2018 23:36

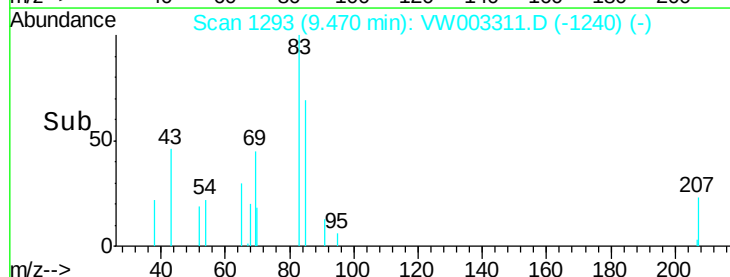
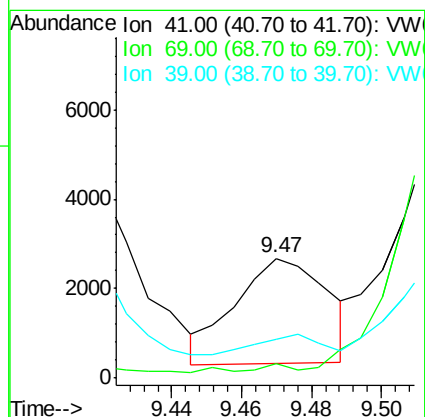
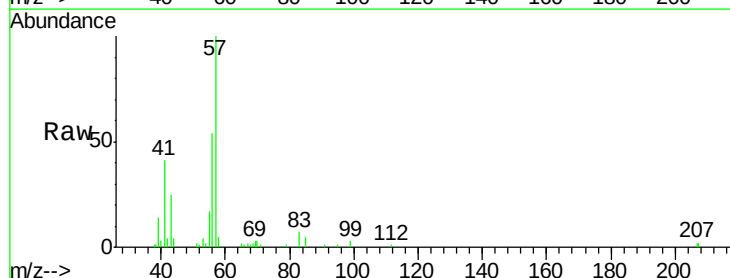
Tgt Ion: 41 Resp: 4305

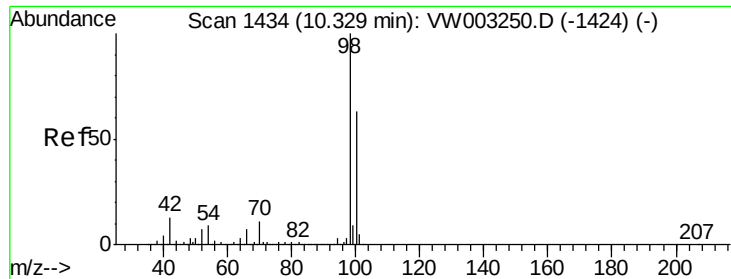
Ion Ratio Lower Upper

41 100

69 0.0 65.4 98.2#

39 0.0 54.2 81.2#

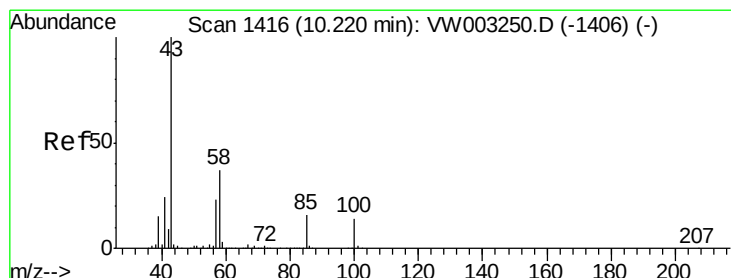
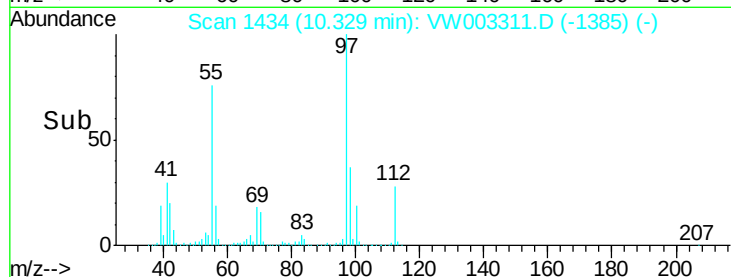
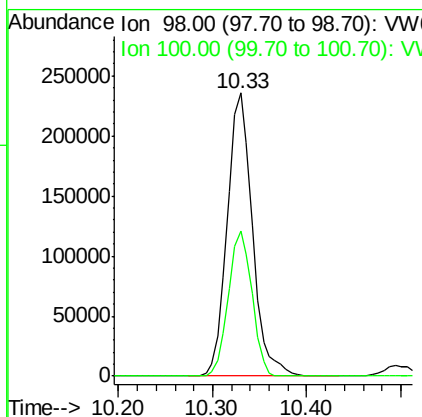
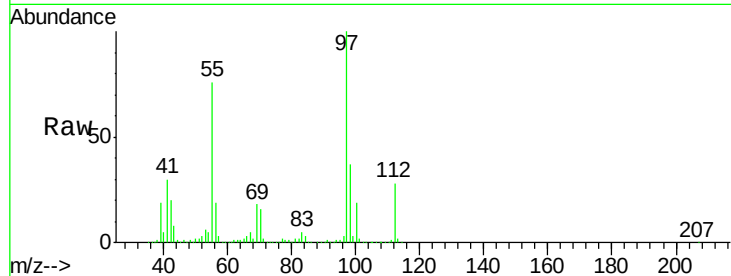




#50
Toluene-d8
Concen: 69.520 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW003311.D
Acq: 15 Jun 2018 23:36

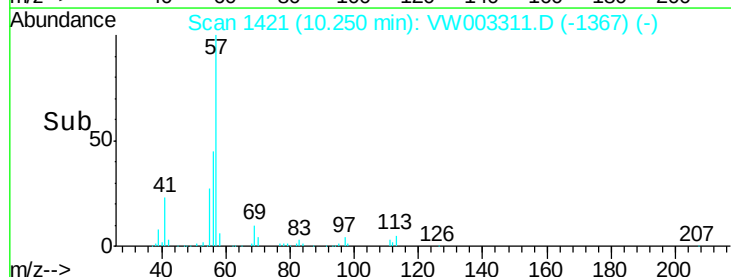
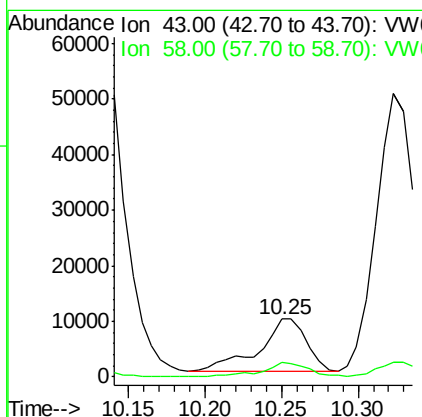
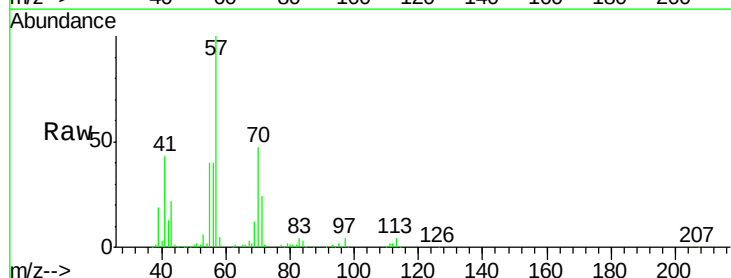
Instrument :
MSVOA_W
ClientSampled :

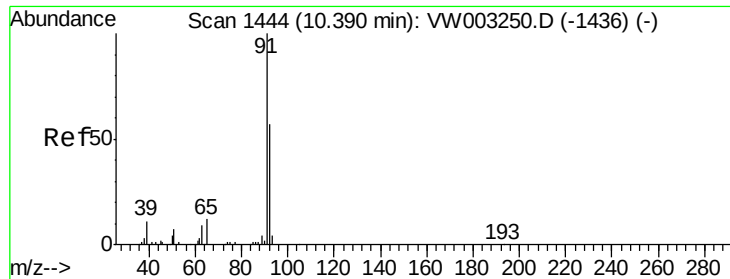
Tot Ion: 98 Resp: 437661
Ion Ratio Lower Upper
98 100
100 48.1 50.8 76.2#



#51
4-Methyl-2-Pentanone
Concen: 20.033 ug/l
RT: 10.25 min Scan# 1421
Delta R.T. 0.03 min
Lab File: VW003311.D
Acq: 15 Jun 2018 23:36

Tgt Ion: 43 Resp: 20720
Ion Ratio Lower Upper
43 100
58 26.9 29.0 43.4#





#52

Toluene

Concen: 66.079 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW003311.D

Acq: 15 Jun 2018 23:36

Instrument :

MSVOA_W

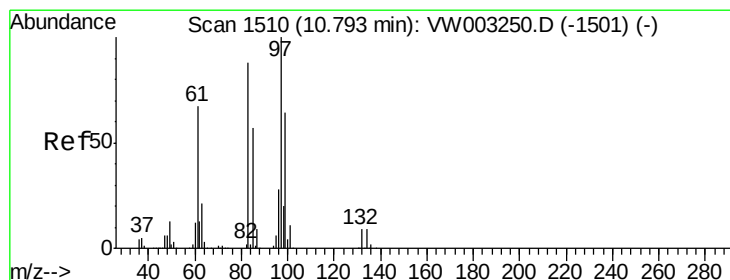
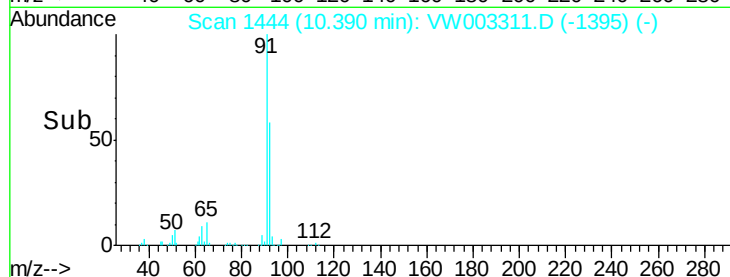
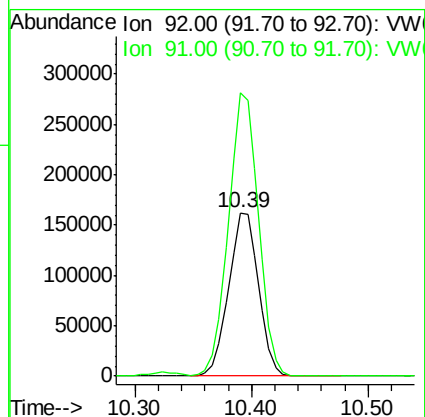
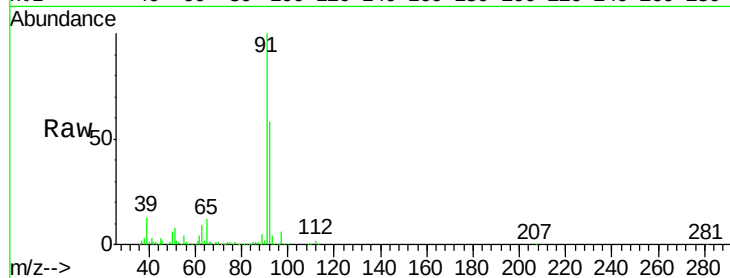
ClientSampleId :

Tot Ion: 92 Resp: 288219

Ion Ratio Lower Upper

92 100

91 173.9 141.1 211.7



#55

1,1,2-Trichloroethane

Concen: 605.571 ug/l

RT: 10.77 min Scan# 1506

Delta R.T. -0.02 min

Lab File: VW003311.D

Acq: 15 Jun 2018 23:36

Tgt Ion: 97 Resp: 756615

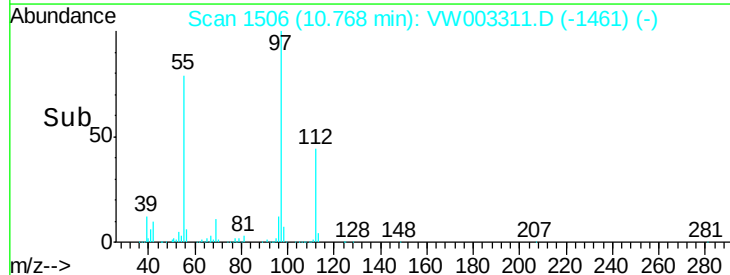
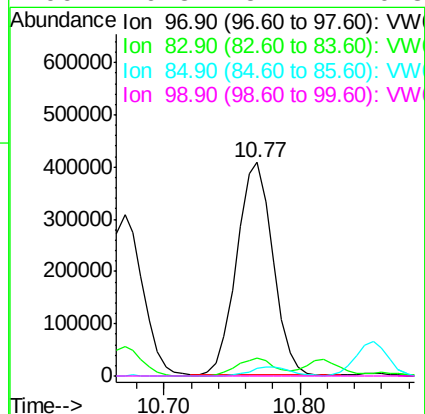
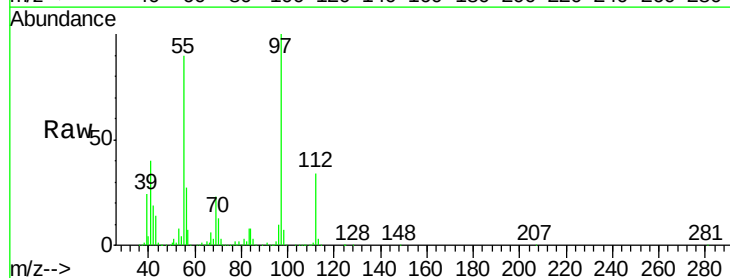
Ion Ratio Lower Upper

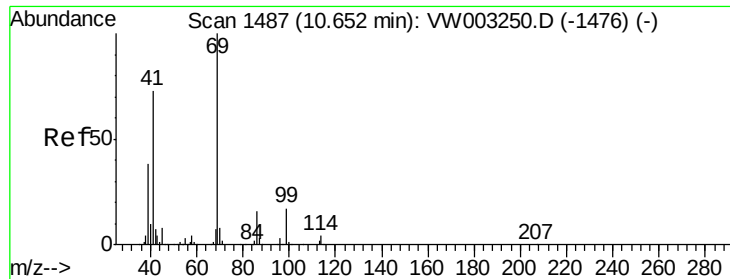
97 100

83 8.3 70.2 105.2#

85 3.4 45.6 68.4#

99 0.3 51.2 76.8#





#56

Ethyl methacrylate

Concen: 103.740 ug/l

RT: 10.67 min Scan# 1490

Delta R.T. 0.02 min

Lab File: VW003311.D

Acq: 15 Jun 2018 23:36

Instrument :

MSVOA_W

ClientSampleId :

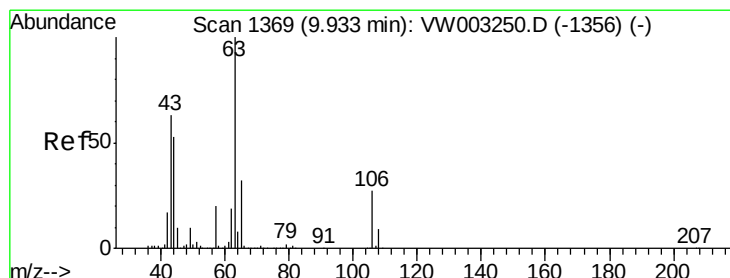
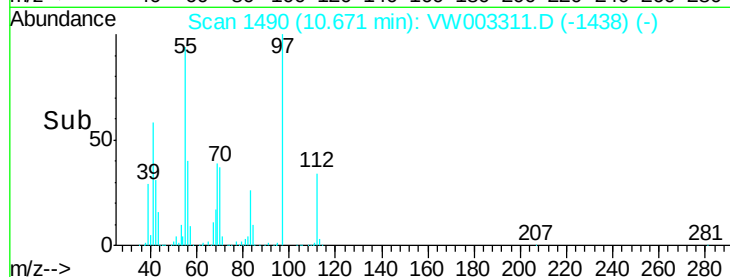
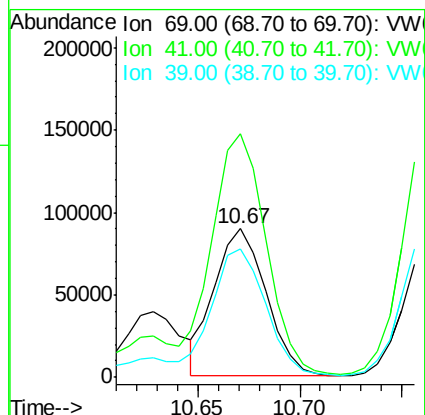
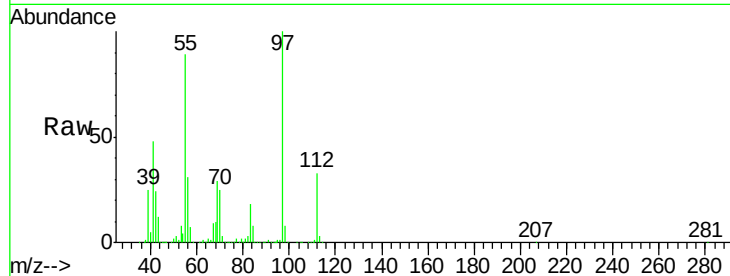
Tot Ion: 69 Resp: 157395

Ion Ratio Lower Upper

69 100

41 170.0 57.8 86.6#

39 88.6 32.7 49.1#



#58

2-Chloroethyl Vinyl ether

Concen: 2.502 ug/l

RT: 9.96 min Scan# 1374

Delta R.T. 0.03 min

Lab File: VW003311.D

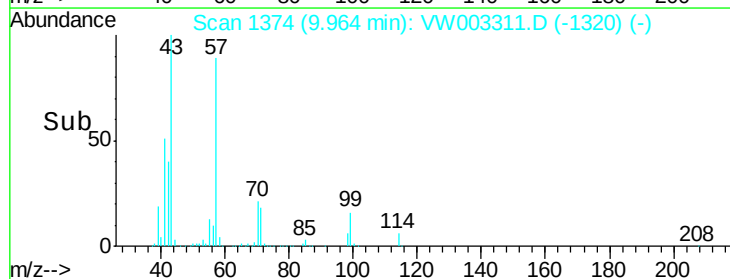
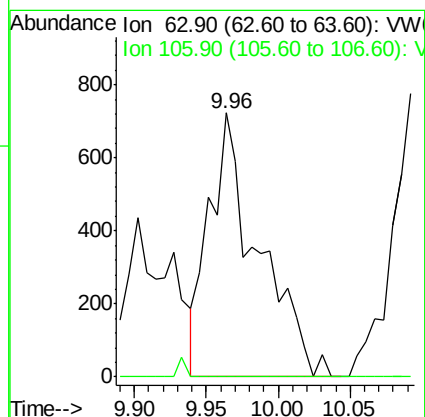
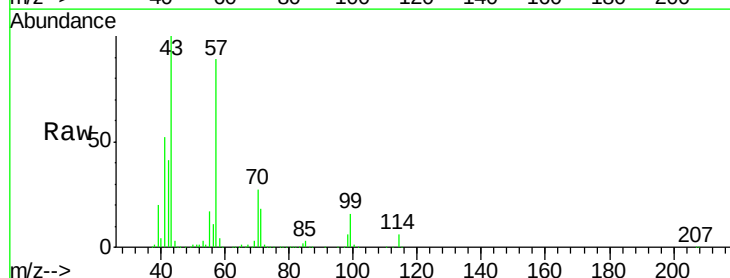
Acq: 15 Jun 2018 23:36

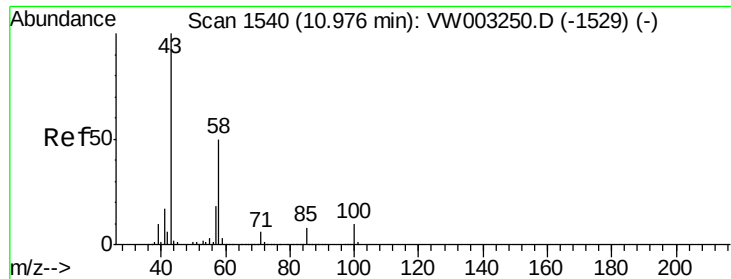
Tgt Ion: 63 Resp: 1702

Ion Ratio Lower Upper

63 100

106 0.0 21.8 32.8#

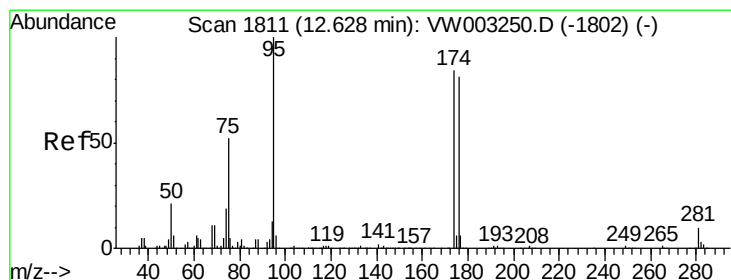
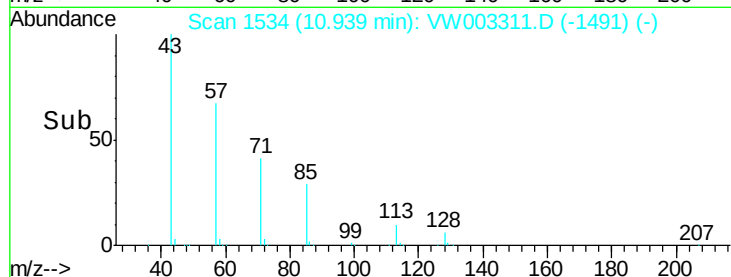
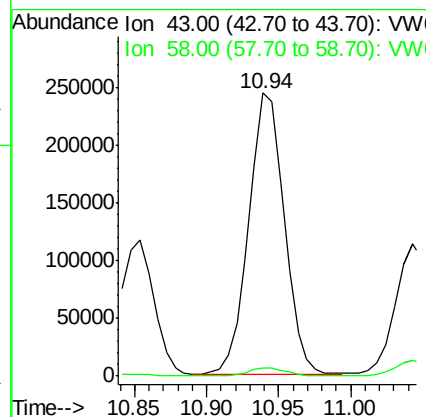
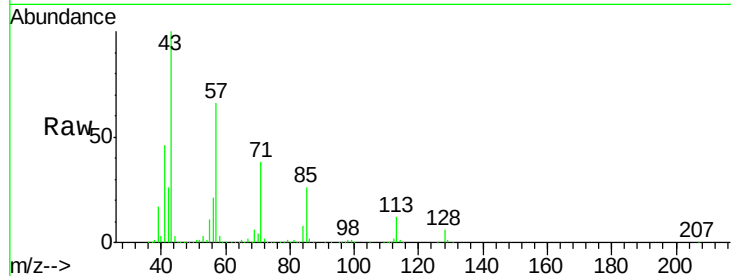




#59
2-Hexanone
Concen: 574.521 ug/l
RT: 10.94 min Scan# 1534
Delta R.T. -0.04 min
Lab File: VW003311.D
Acq: 15 Jun 2018 23:36

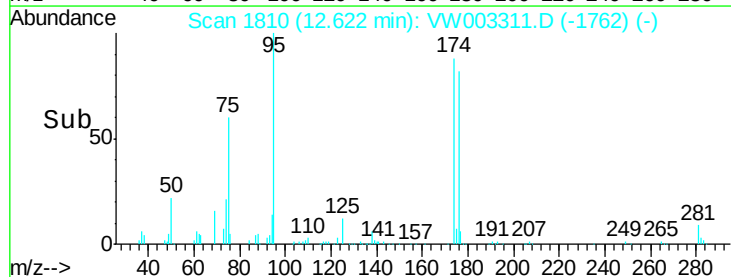
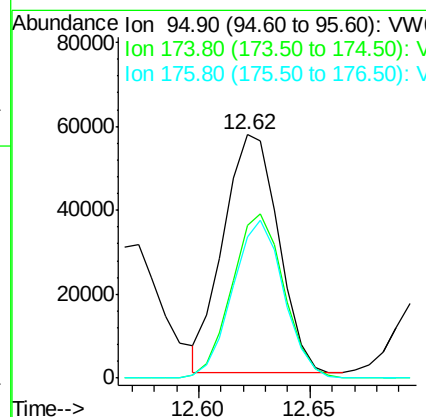
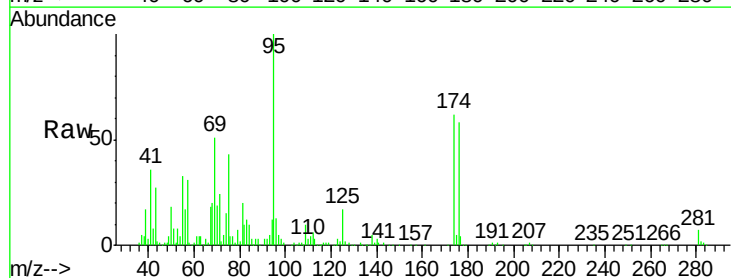
Instrument :
MSVOA_W
ClientSampled :

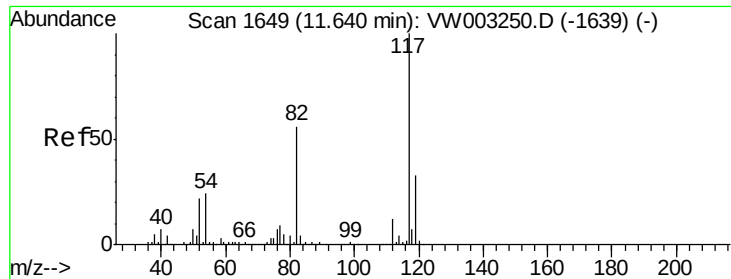
Tot Ion: 43 Resp: 415125
Ion Ratio Lower Upper
43 100
58 3.2 25.0 75.0#



#62
4-Bromofluorobenzene
Concen: 43.761 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.01 min
Lab File: VW003311.D
Acq: 15 Jun 2018 23:36

Tgt Ion: 95 Resp: 97497
Ion Ratio Lower Upper
95 100
174 65.4 0.0 166.4
176 61.7 0.0 162.0

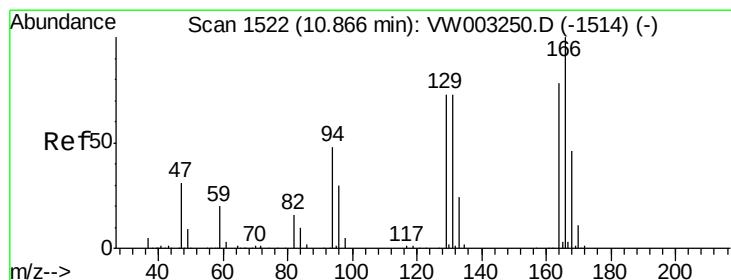
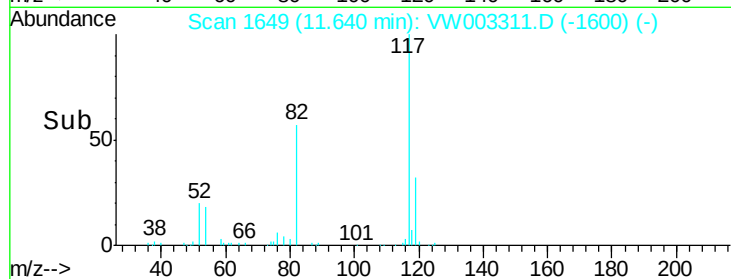
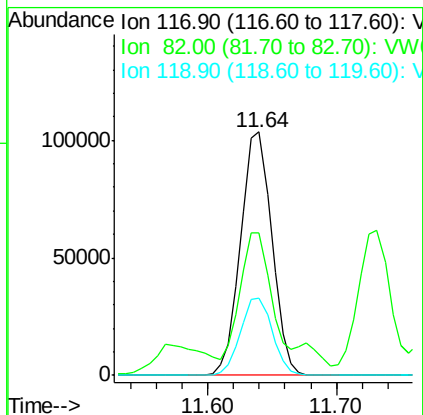
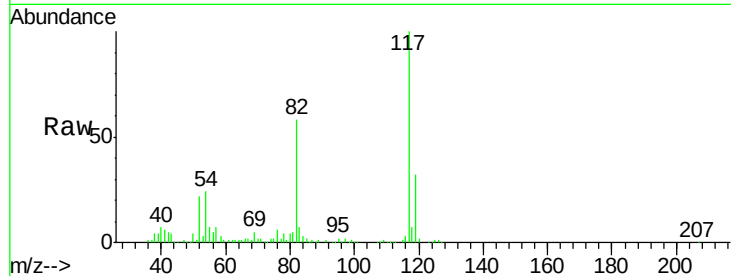




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VW003311.D
Acq: 15 Jun 2018 23:36

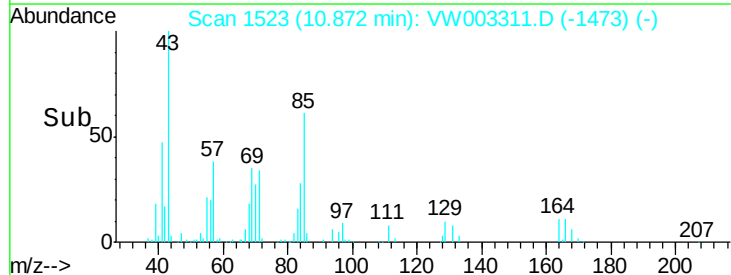
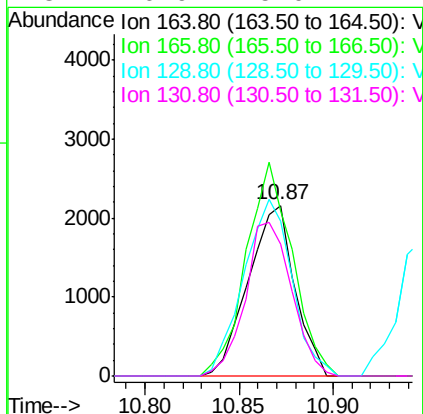
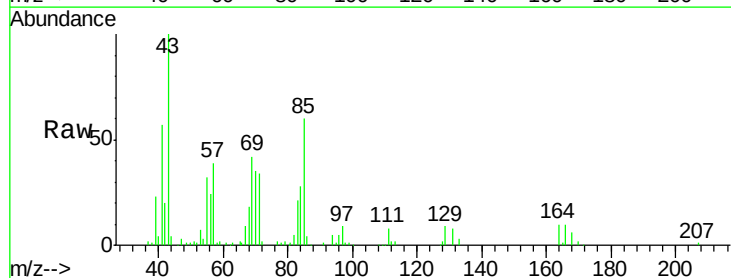
Instrument :
MSVOA_W
ClientSampleId :

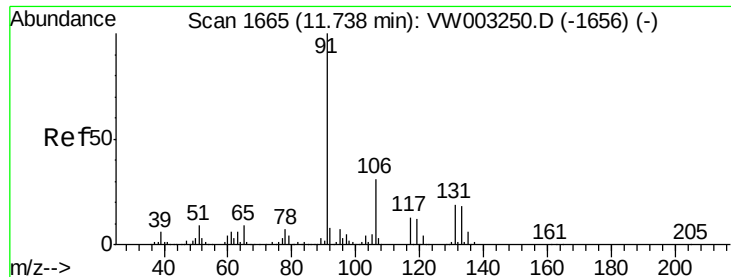
Tot Ion:117 Resp: 174042
Ion Ratio Lower Upper
117 100
82 54.1 44.6 67.0
119 31.9 26.7 40.1



#64
Tetrachloroethene
Concen: 3.168 ug/l
RT: 10.87 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VW003311.D
Acq: 15 Jun 2018 23:36

Tgt Ion:164 Resp: 3688
Ion Ratio Lower Upper
164 100
166 97.0 102.6 154.0#
129 90.4 75.2 112.8
131 76.9 75.0 112.4

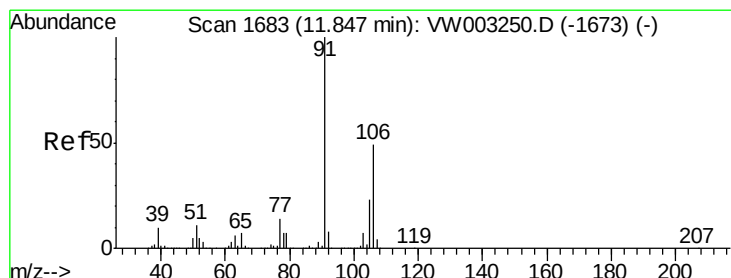
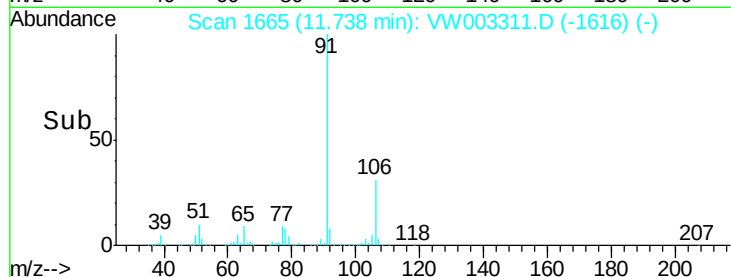
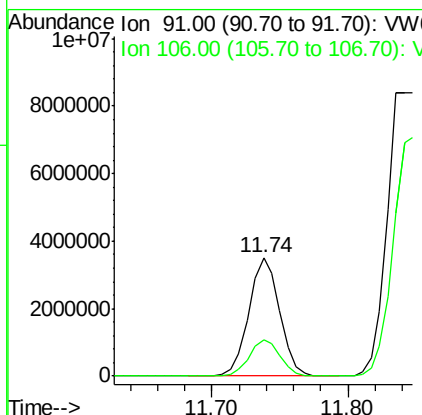
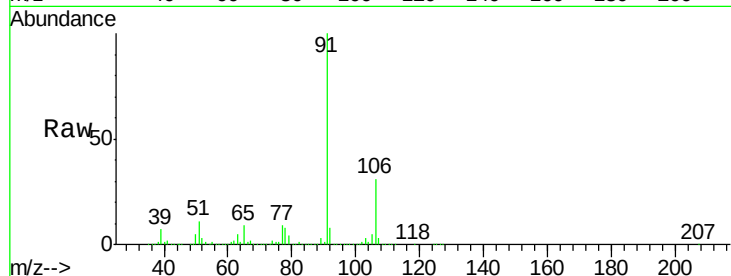




#67
Ethyl Benzene
Concen: 864.633 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW003311.D
Acq: 15 Jun 2018 23:36

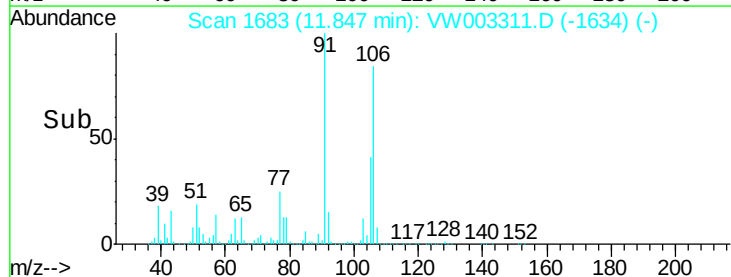
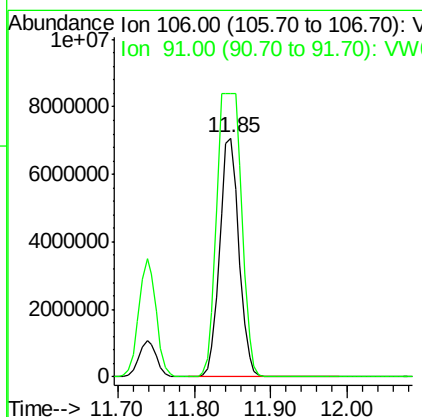
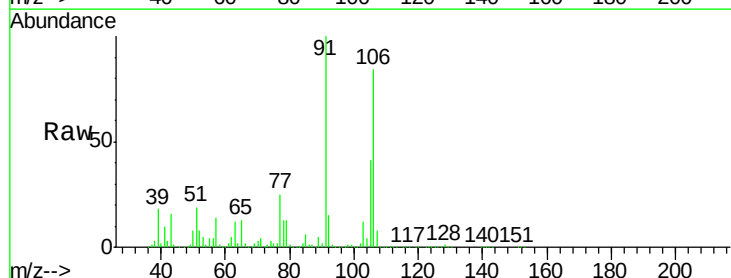
Instrument :
MSVOA_W
ClientSampleId :

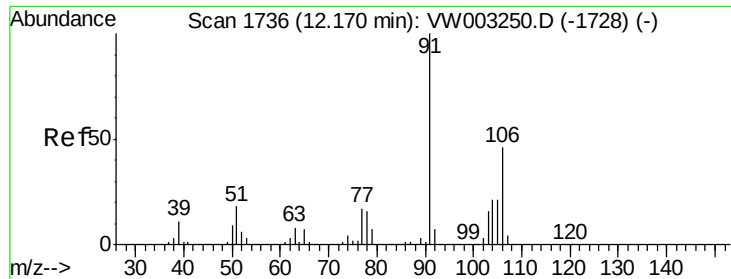
Tot Ion: 91 Resp: 5554834
Ion Ratio Lower Upper
91 100
106 31.0 24.7 37.1



#68
m/p-Xylenes
Concen: 5035.893 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW003311.D
Acq: 15 Jun 2018 23:36

Tgt Ion: 106 Resp: 12298578
Ion Ratio Lower Upper
106 100
91 154.6 165.4 248.0#

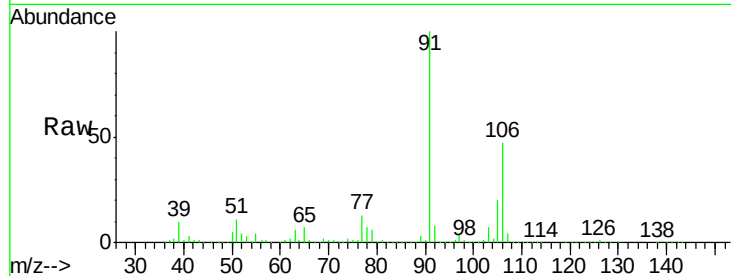




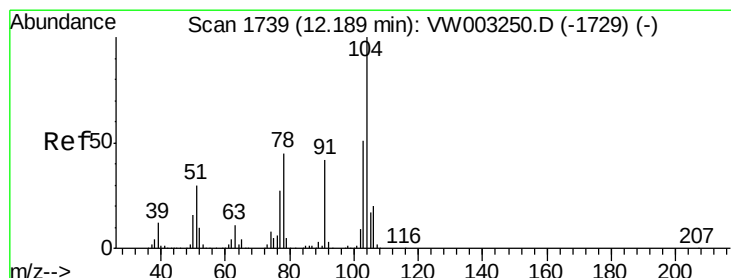
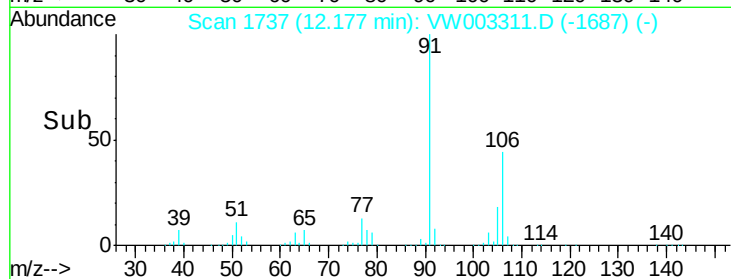
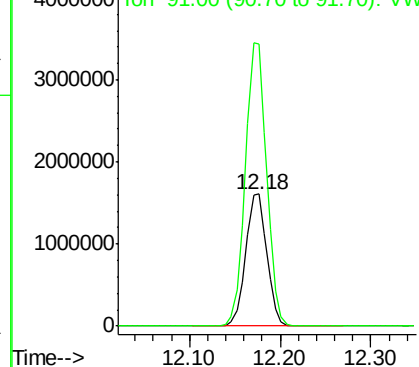
#69
o-Xylene
Concen: 1143.946 ug/l
RT: 12.18 min Scan# 1737
Delta R.T. 0.01 min
Lab File: VW003311.D
Acq: 15 Jun 2018 23:36

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:106 Resp: 2589149
Ion Ratio Lower Upper
106 100
91 215.9 108.6 325.6

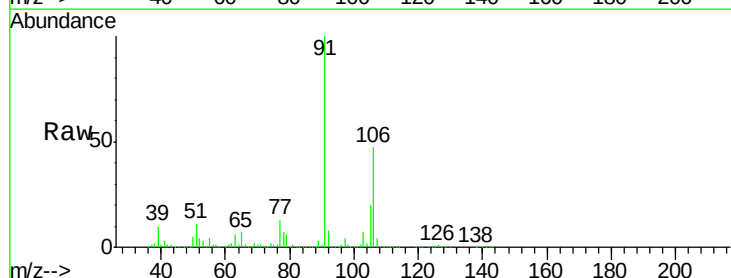


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

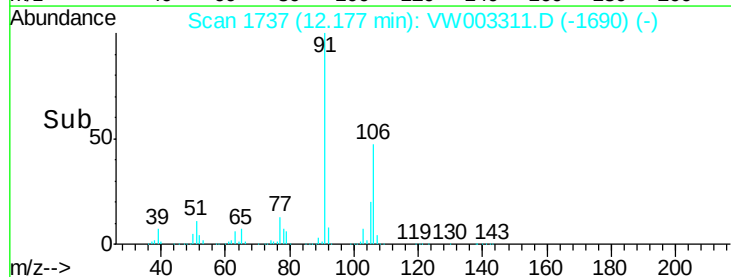
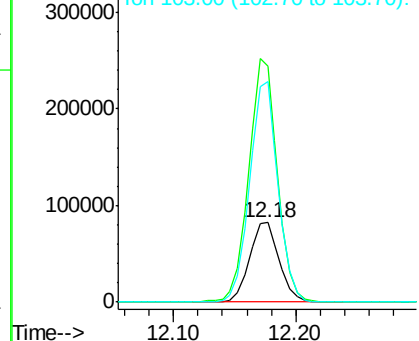


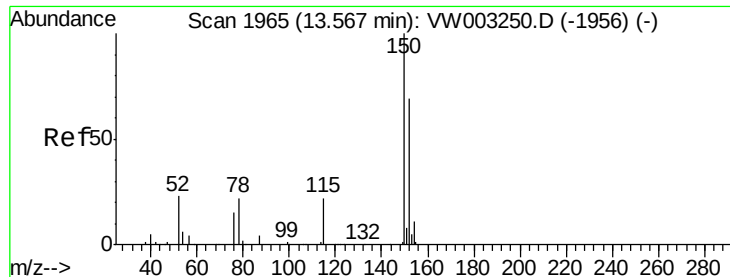
#70
Styrene
Concen: 36.506 ug/l
RT: 12.18 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VW003311.D
Acq: 15 Jun 2018 23:36

Tgt Ion:104 Resp: 137529
Ion Ratio Lower Upper
104 100
78 296.8 41.3 61.9#
103 267.4 45.0 67.4#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VW
Ion 103.00 (102.70 to 103.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW003311.D

Acq: 15 Jun 2018 23:36

Instrument :

MSVOA_W

ClientSampleId :

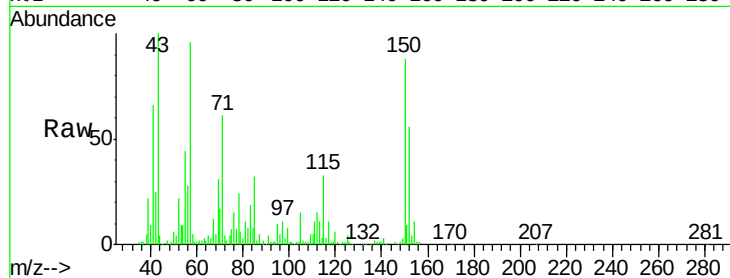
Tot Ion:152 Resp: 48177

Ion Ratio Lower Upper

152 100

115 52.5 29.3 88.0

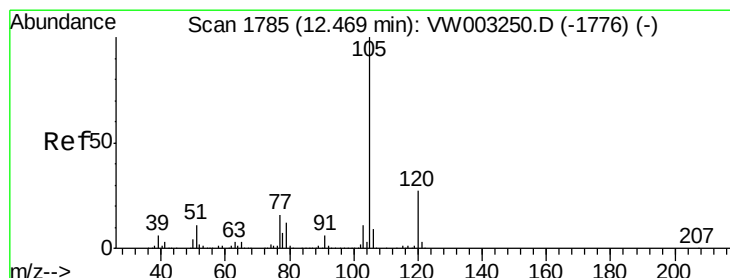
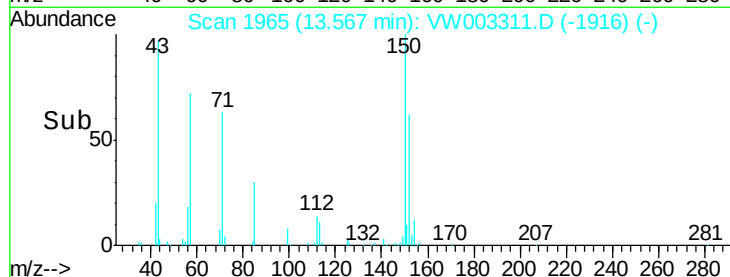
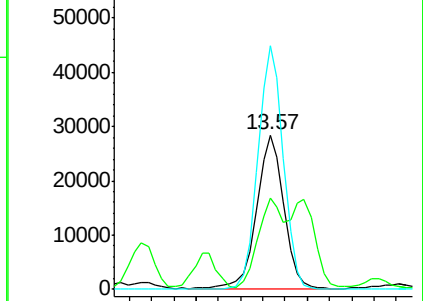
150 147.3 0.0 349.6



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: 71.712 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. 0.01 min

Lab File: VW003311.D

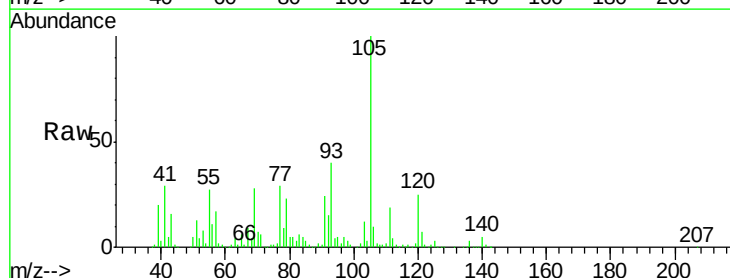
Acq: 15 Jun 2018 23:36

Tgt Ion:105 Resp: 240301

Ion Ratio Lower Upper

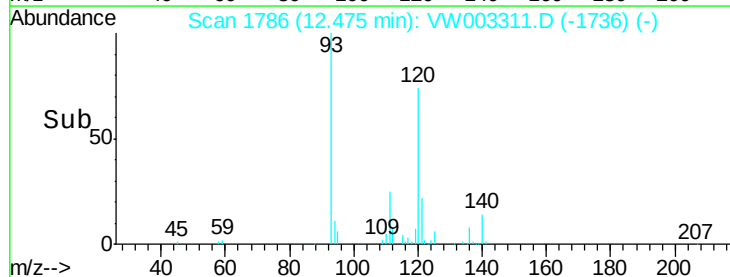
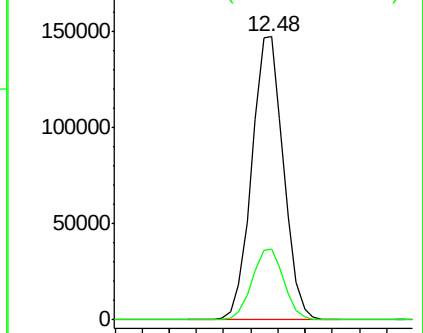
105 100

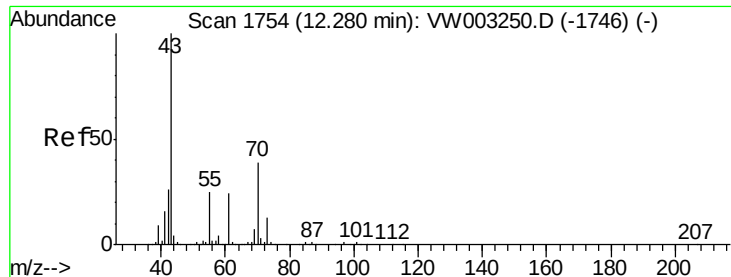
120 25.0 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 266.117 ug/l

RT: 12.26 min Scan# 1751

Delta R.T. -0.02 min

Lab File: VW003311.D

Acq: 15 Jun 2018 23:36

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 202969

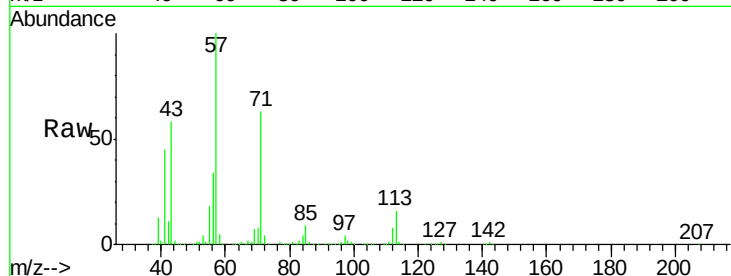
Ion Ratio Lower Upper

43 100

70 0.0 31.0 46.6#

55 0.0 19.7 29.5#

61 0.0 18.1 27.1#

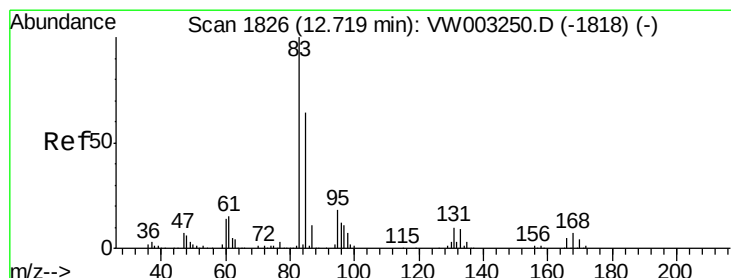
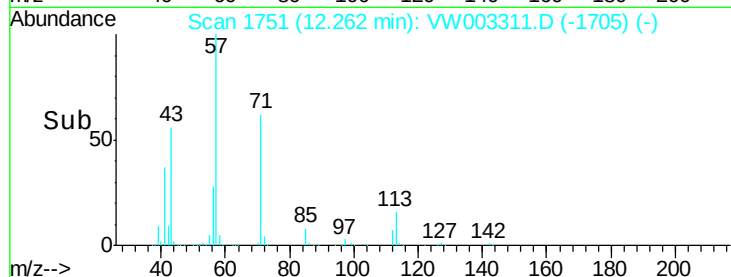
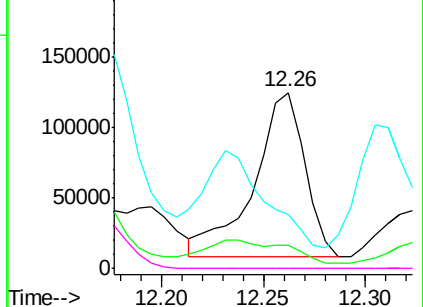


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 21.145 ug/l

RT: 12.69 min Scan# 1822

Delta R.T. -0.02 min

Lab File: VW003311.D

Acq: 15 Jun 2018 23:36

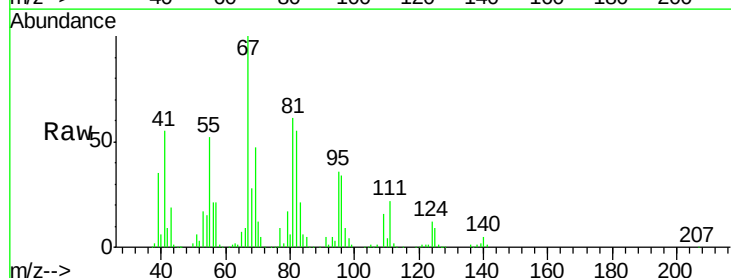
Tgt Ion: 83 Resp: 11987

Ion Ratio Lower Upper

83 100

131 0.0 5.4 16.2#

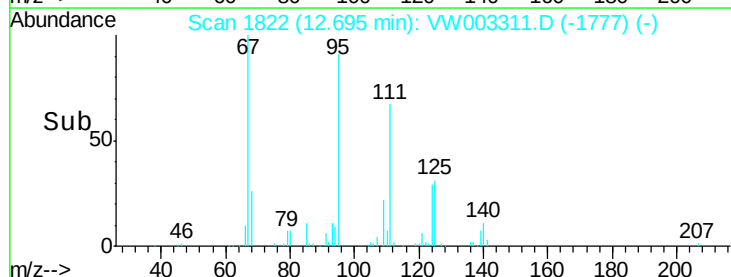
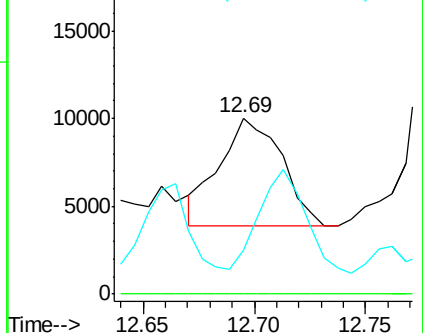
85 72.4 31.9 95.7

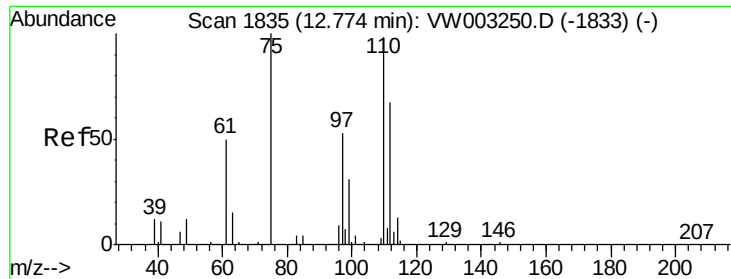


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW





#76

1,2,3-Trichloropropane

Concen: 8.248 ug/l

RT: 12.82 min Scan# 1842

Delta R.T. 0.04 min

Lab File: VW003311.D

Acq: 15 Jun 2018 23:36

Instrument :

MSVOA_W

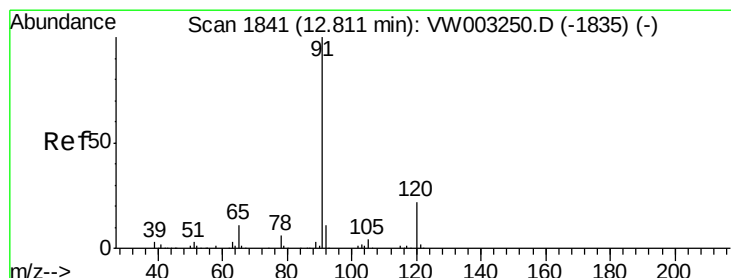
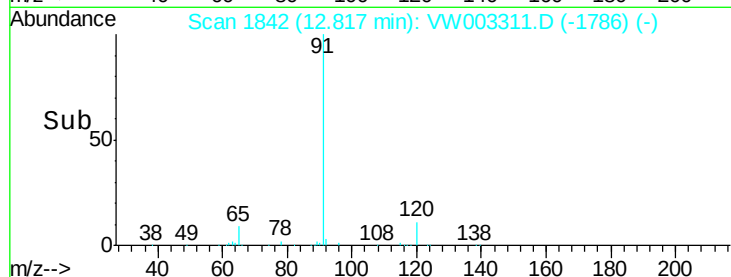
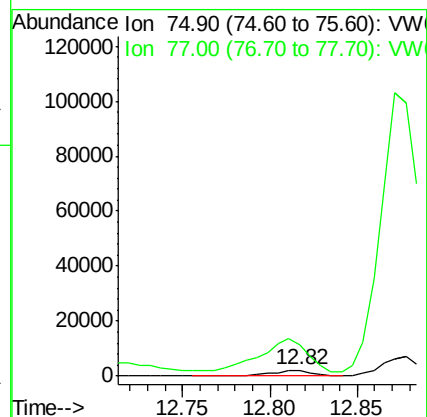
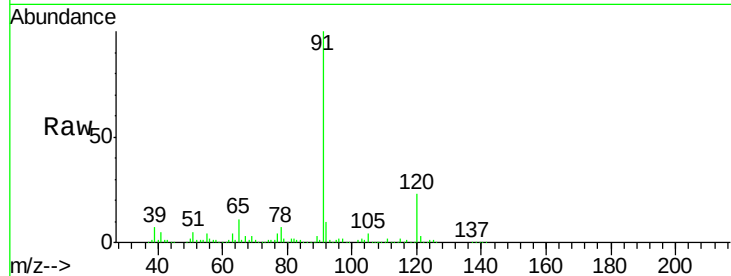
ClientSampled :

Tot Ion: 75 Resp: 3397

Ion Ratio Lower Upper

75 100

77 655.5 0.0 0.0#



#78

n-propylbenzene

Concen: 108.880 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW003311.D

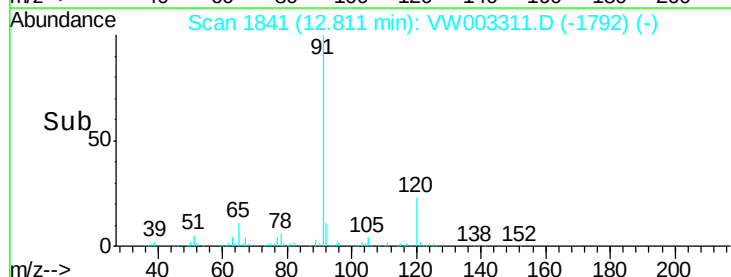
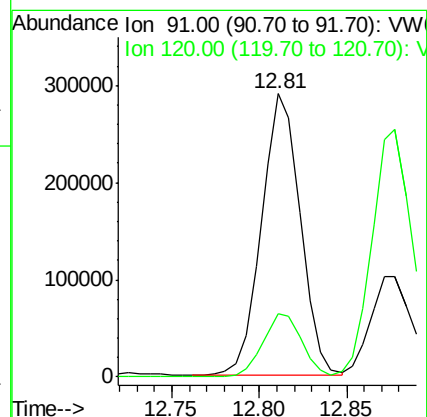
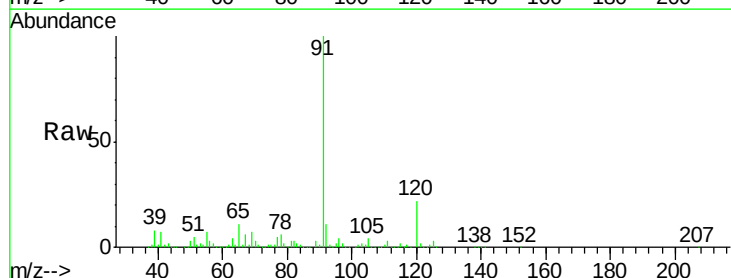
Acq: 15 Jun 2018 23:36

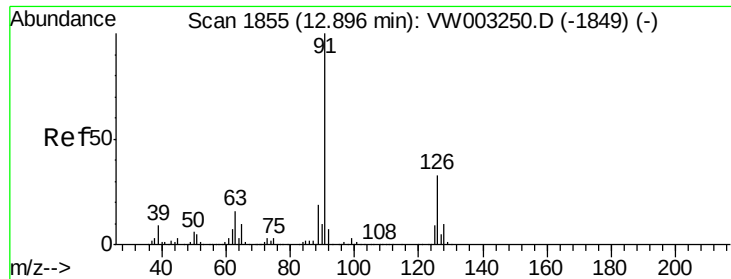
Tgt Ion: 91 Resp: 446749

Ion Ratio Lower Upper

91 100

120 22.7 11.3 33.8

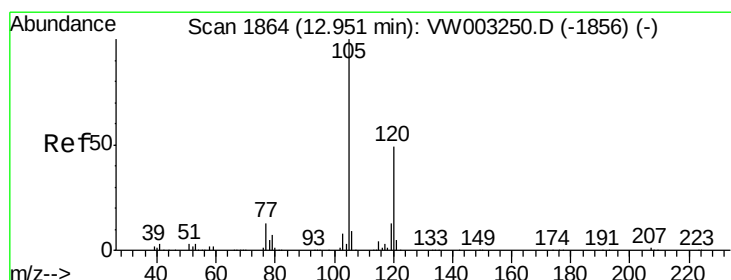
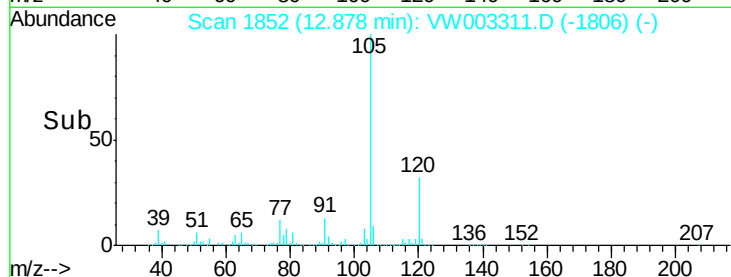
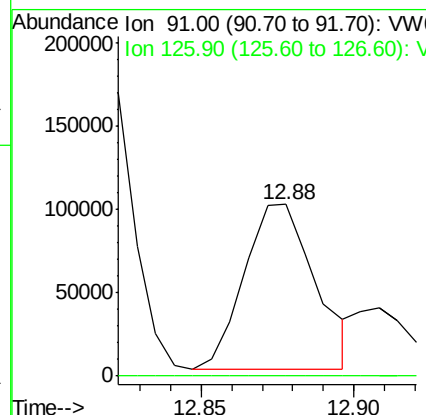
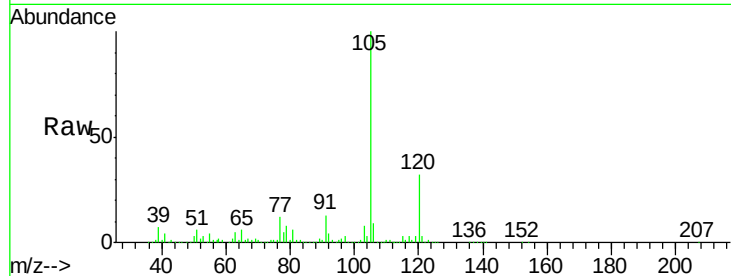




#79
 2-Chlorotoluene
 Concen: 69.017 ug/l
 RT: 12.88 min Scan# 1852
 Delta R.T. -0.02 min
 Lab File: VW003311.D
 Acq: 15 Jun 2018 23:36

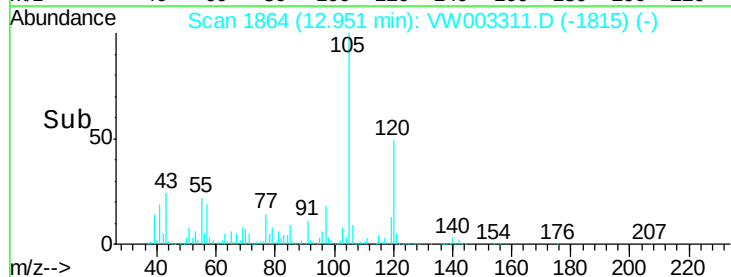
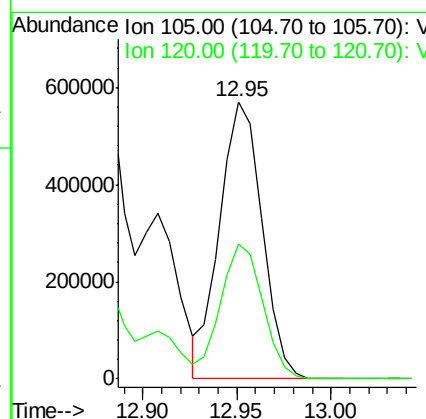
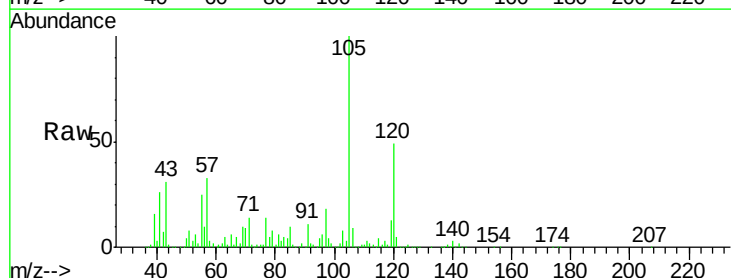
Instrument :
 MSVOA_W
 ClientSampleId :

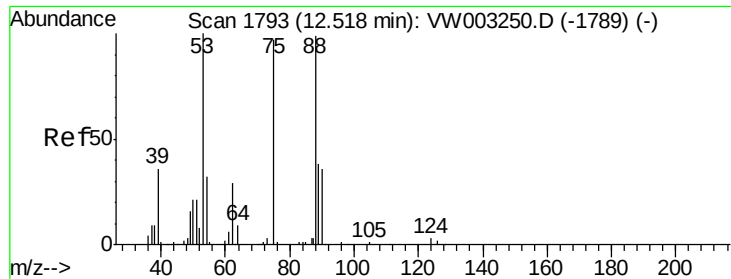
Tot Ion: 91 Resp: 160035
 Ion Ratio Lower Upper
 91 100
 126 1.0 16.8 50.4#



#80
 1,3,5-Trimethylbenzene
 Concen: 316.766 ug/l
 RT: 12.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VW003311.D
 Acq: 15 Jun 2018 23:36

Tgt Ion: 105 Resp: 890956
 Ion Ratio Lower Upper
 105 100
 120 48.4 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 19.247 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.04 min

Lab File: VW003311.D

Acq: 15 Jun 2018 23:36

Instrument :

MSVOA_W

ClientSampleId :

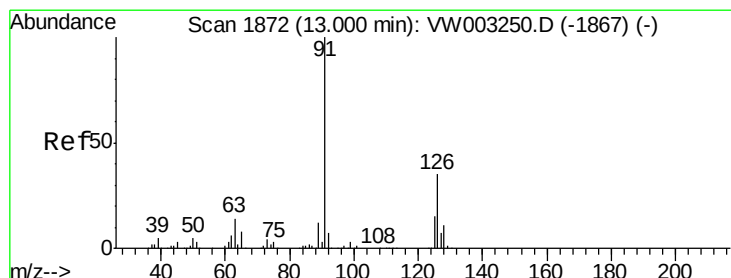
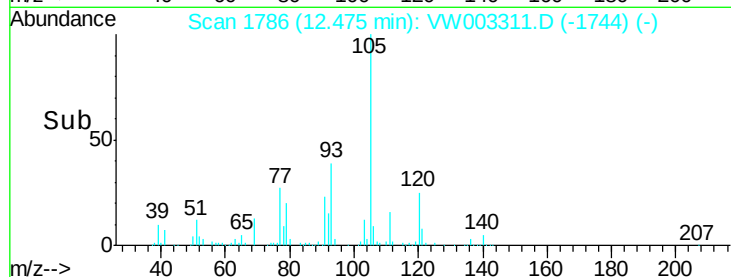
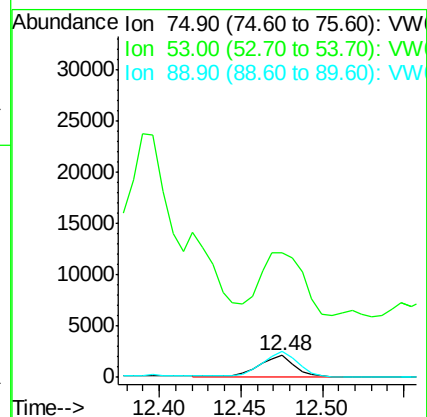
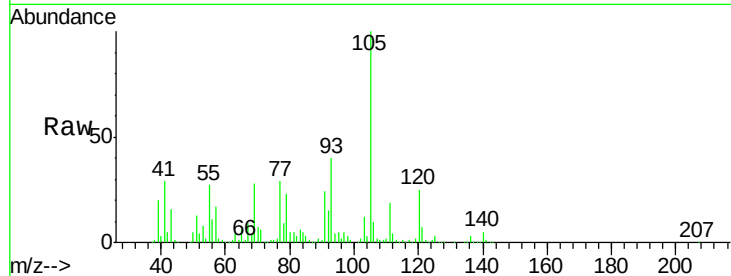
Tot Ion: 75 Resp: 3445

Ion Ratio Lower Upper

75 100

53 363.3 82.9 124.3#

89 116.5 36.7 55.1#



#82

4-Chlorotoluene

Concen: 39.402 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. -0.05 min

Lab File: VW003311.D

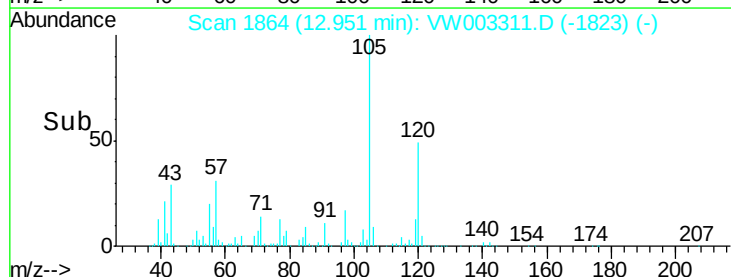
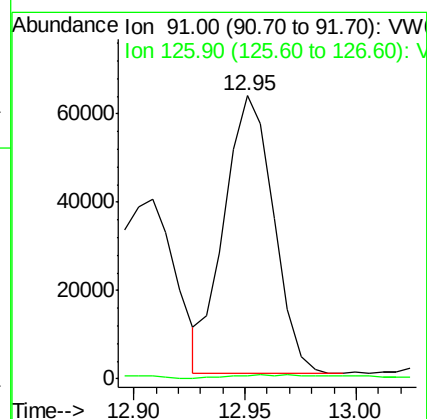
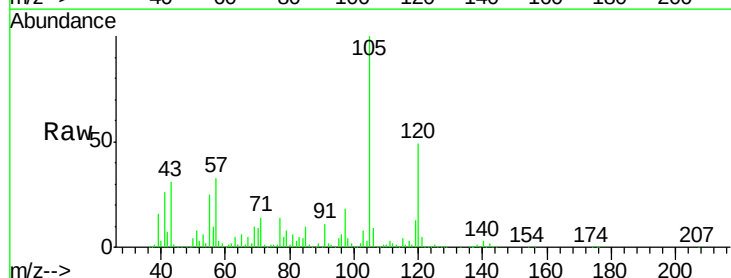
Acq: 15 Jun 2018 23:36

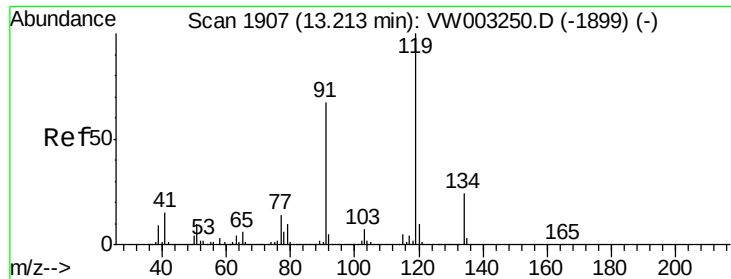
Tgt Ion: 91 Resp: 96921

Ion Ratio Lower Upper

91 100

126 1.5 16.8 50.3#

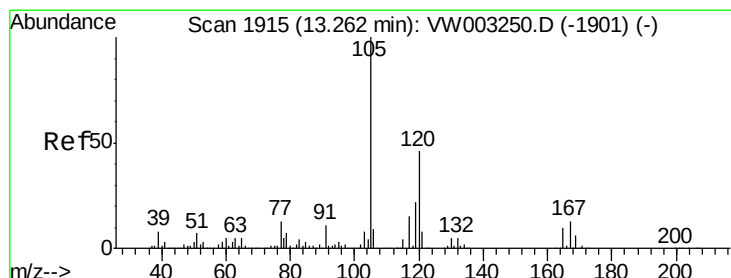
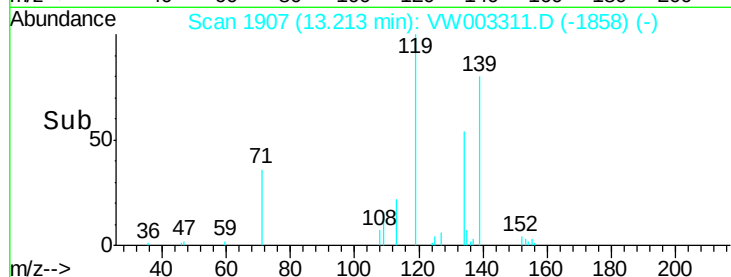
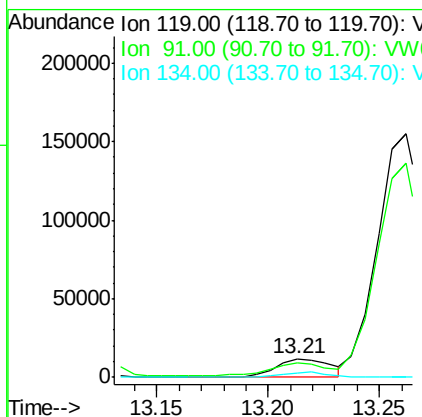
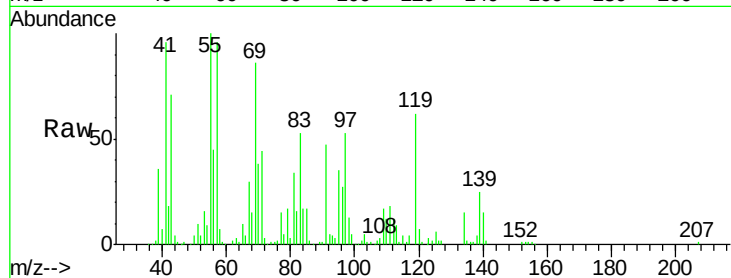




#83
tert-Butylbenzene
Concen: 8.465 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. 0.00 min
Lab File: VW003311.D
Acq: 15 Jun 2018 23:36

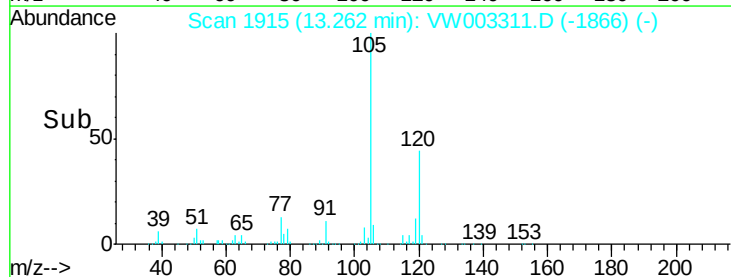
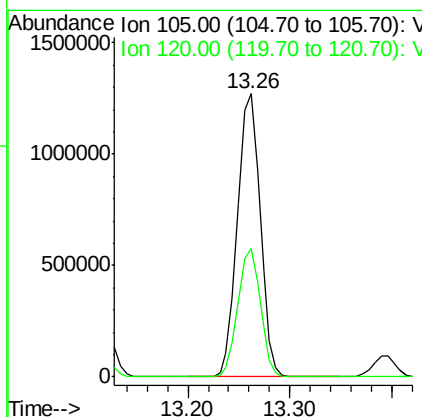
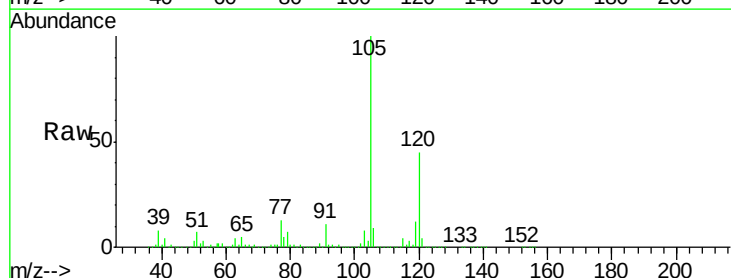
Instrument :
MSVOA_W
ClientSampled :

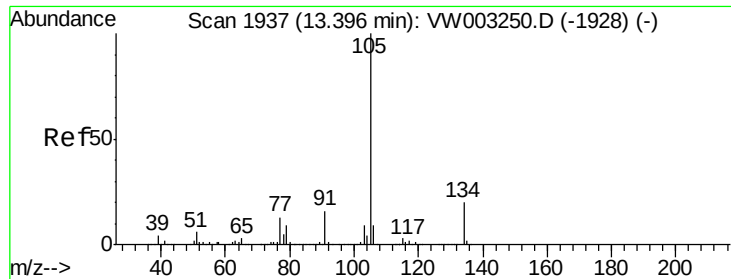
Tot Ion:119 Resp: 20290
Ion Ratio Lower Upper
119 100
91 70.9 33.9 101.7
134 24.1 13.4 40.1



#84
1,2,4-Trimethylbenzene
Concen: 676.206 ug/l
RT: 13.26 min Scan# 1915
Delta R.T. 0.00 min
Lab File: VW003311.D
Acq: 15 Jun 2018 23:36

Tgt Ion:105 Resp: 1956460
Ion Ratio Lower Upper
105 100
120 45.0 22.5 67.5





#85

sec-Butylbenzene

Concen: 41.957 ug/l

RT: 13.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VW003311.D

Acq: 15 Jun 2018 23:36

Instrument :

MSVOA_W

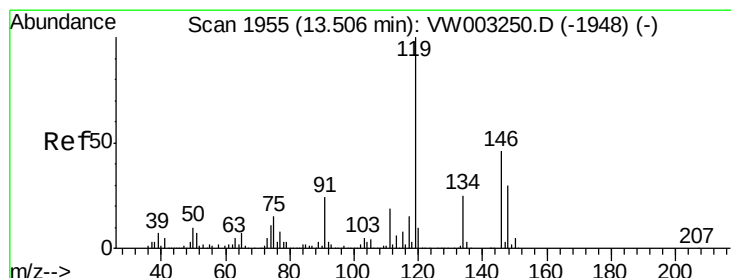
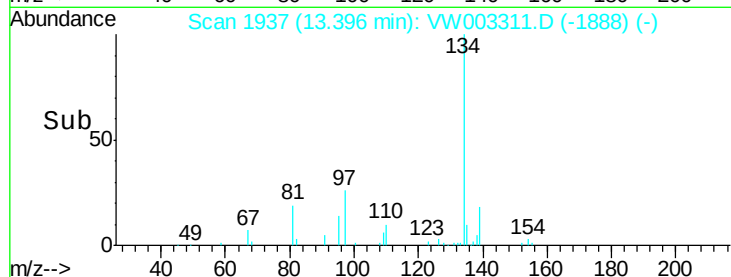
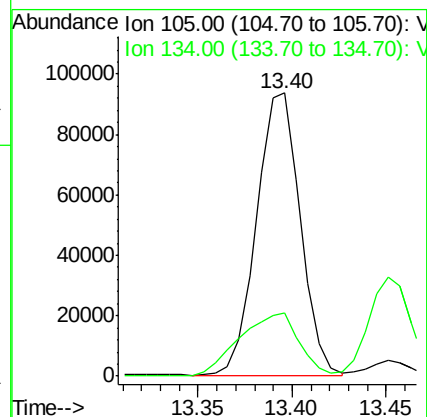
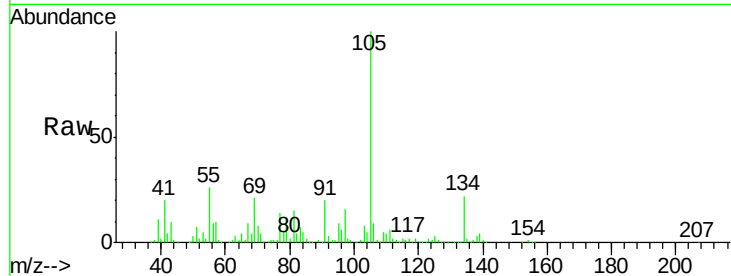
ClientSampled :

Tot Ion:105 Resp: 149488

Ion Ratio Lower Upper

105 100

134 30.8 9.8 29.5#



#86

p-Isopropyltoluene

Concen: 39.109 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW003311.D

Acq: 15 Jun 2018 23:36

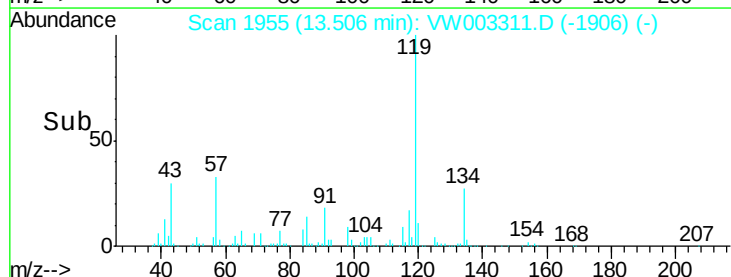
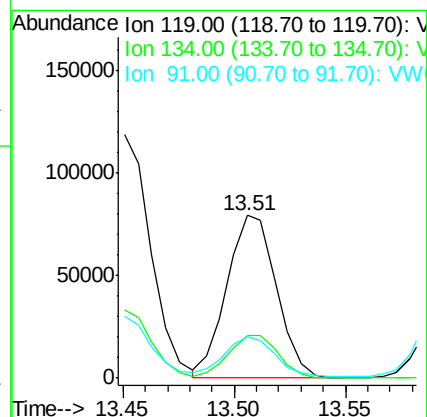
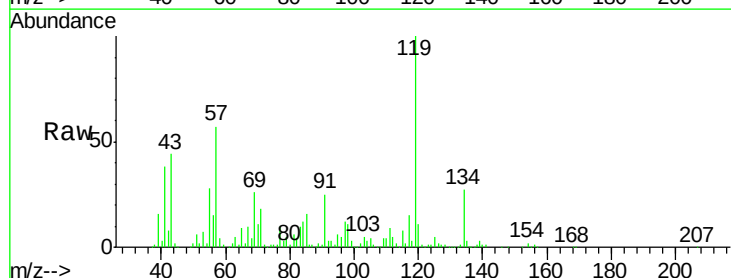
Tgt Ion:119 Resp: 122898

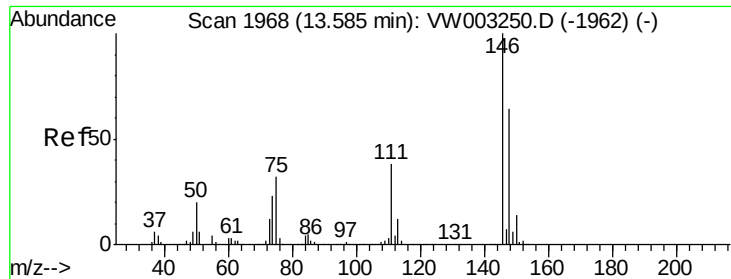
Ion Ratio Lower Upper

119 100

134 26.6 12.9 38.7

91 24.3 11.8 35.3

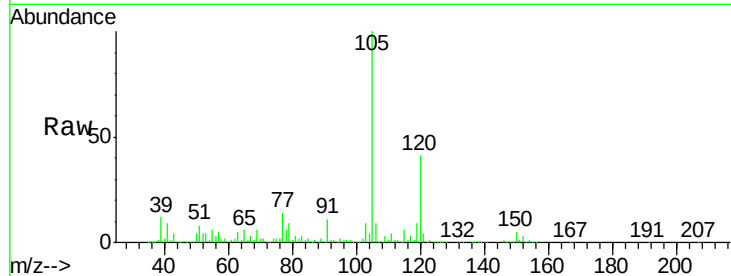




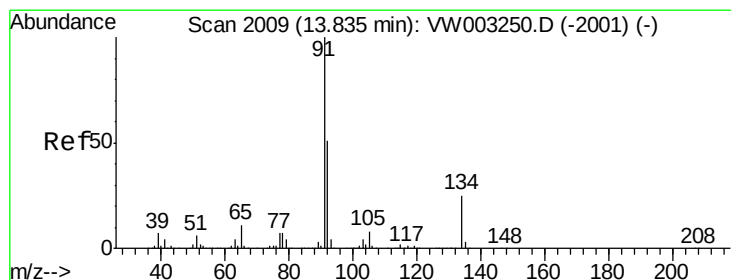
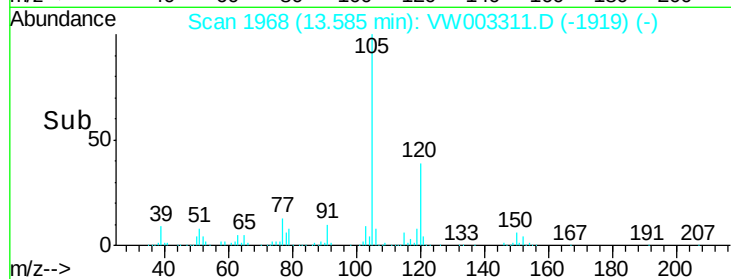
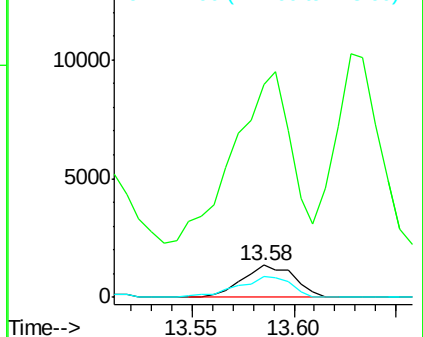
#88
 1,4-Dichlorobenzene
 Concen: 1.500 ug/l
 RT: 13.58 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW003311.D
 Acq: 15 Jun 2018 23:36

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:146 Resp: 2390
 Ion Ratio Lower Upper
 146 100
 111 587.7 19.2 57.6#
 148 66.7 31.8 95.4

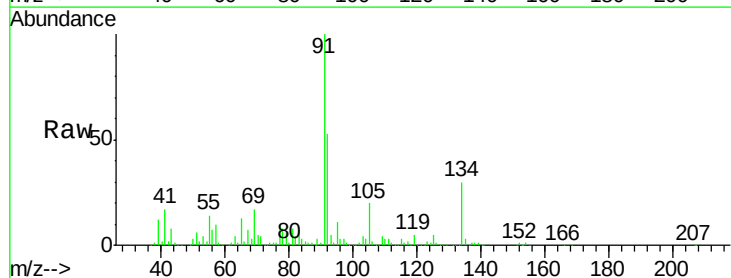


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

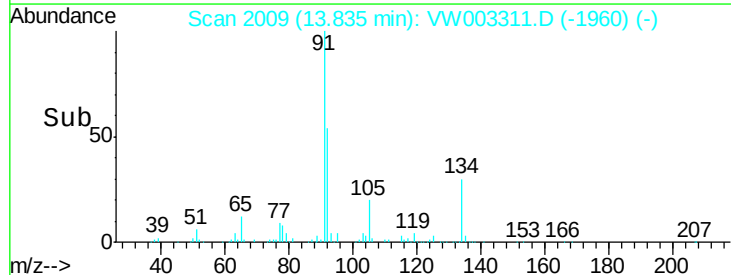
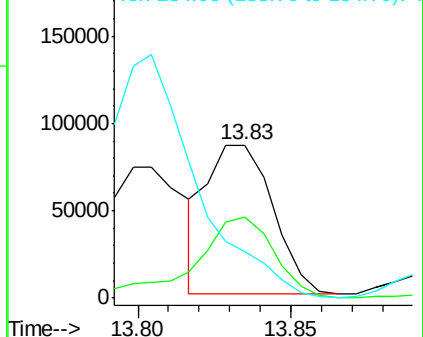


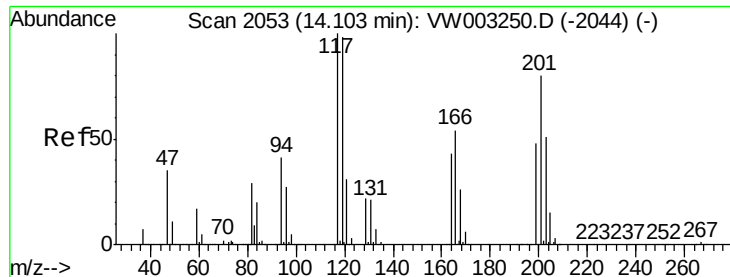
#89
 n-Butylbenzene
 Concen: 41.522 ug/l
 RT: 13.83 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VW003311.D
 Acq: 15 Jun 2018 23:36

Tgt Ion: 91 Resp: 127189
 Ion Ratio Lower Upper
 91 100
 92 64.8 26.0 78.0
 134 0.0 12.7 38.0#



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: 106.087 ug/l

RT: 14.11 min Scan# 2054

Delta R.T. 0.01 min

Lab File: VW003311.D

Acq: 15 Jun 2018 23:36

Instrument :

MSVOA_W

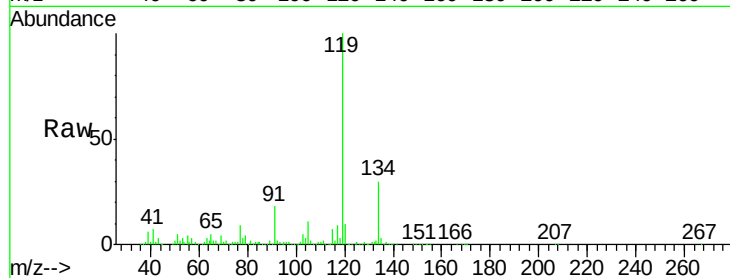
ClientSampleId :

Tot Ion:117 Resp: 60307

Ion Ratio Lower Upper

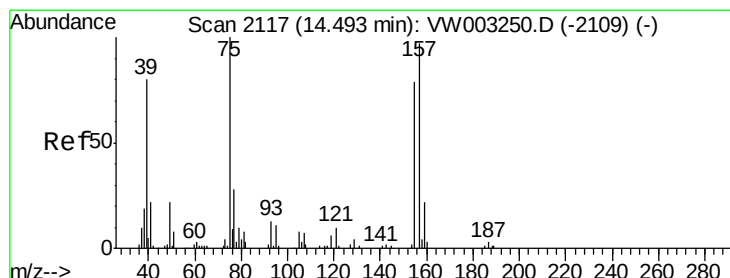
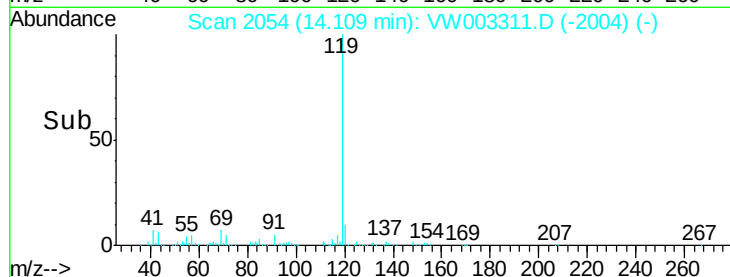
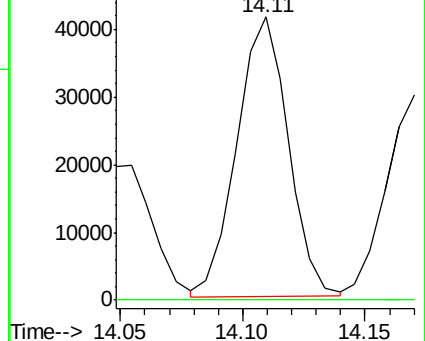
117 100

201 0.0 39.5 118.5#



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: 9.444 ug/l

RT: 14.51 min Scan# 2120

Delta R.T. 0.02 min

Lab File: VW003311.D

Acq: 15 Jun 2018 23:36

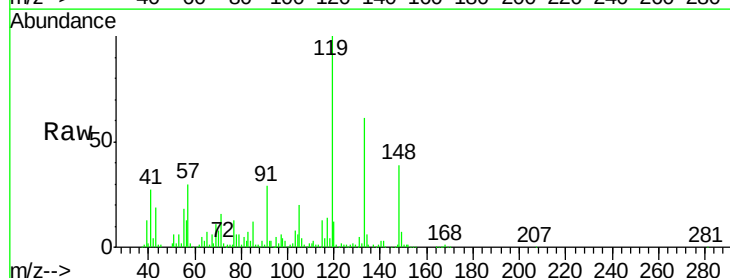
Tgt Ion: 75 Resp: 901

Ion Ratio Lower Upper

75 100

155 5.1 39.4 118.2#

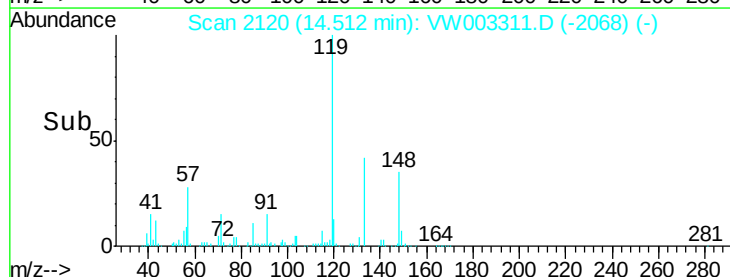
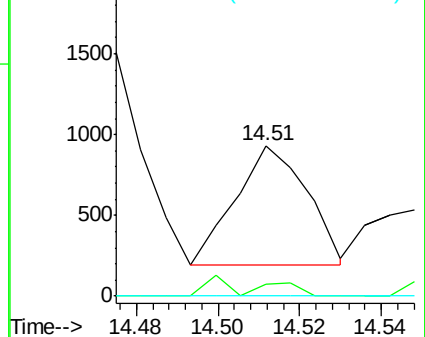
157 0.0 51.5 154.5#

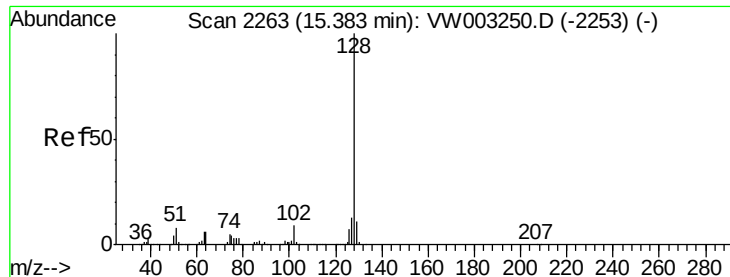


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95

Naphthalene

Concen: 162.960 ug/l

RT: 15.38 min Scan# 2263

Delta R.T. 0.00 min

Lab File: VW003311.D

Acq: 15 Jun 2018 23:36

Instrument :

MSVOA_W

ClientSampleId :

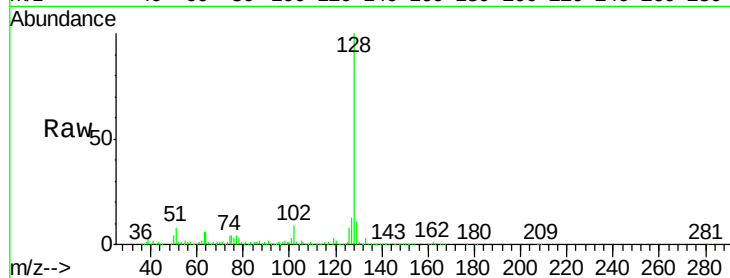
Tot Ion:128 Resp: 272515

Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

129 11.3 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

