

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061518\
 Data File : VW003314.D
 Acq On : 16 Jun 2018 00:54
 Operator : SY/AP
 Sample : J3523-05
 Misc : 5.66G/5ML/MSVOA W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 16 03:52:00 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	198776	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	338076	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	241331	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	67320	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	151883	70.54	ug/l	0.00
Spiked Amount			Recovery	=	141.08%	
35) Dibromofluoromethane	7.89	113	94235	44.86	ug/l	0.00
Spiked Amount			Recovery	=	89.72%	
50) Toluene-d8	10.33	98	511699	61.43	ug/l	0.00
Spiked Amount			Recovery	=	122.86%	
62) 4-Bromofluorobenzene	12.62	95	135547	45.98	ug/l	0.00
Spiked Amount			Recovery	=	91.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.25	59	2973	25.747	ug/l #	84
12) 1,1-Dichloroethene	4.04	96	5096	2.832	ug/l	84
13) Acrolein	3.83	56	699	4.234	ug/l #	1
15) Acrylonitrile	5.43	53	22478	56.085	ug/l #	40
16) Acetone	4.14	43	92271	204.339	ug/l	95
17) Carbon Disulfide	4.37	76	24250	4.558	ug/l	97
18) Methyl Acetate	4.95	43	575237	536.984	ug/l #	52
19) Methyl tert-butyl Ether	5.43	73	17633	5.232	ug/l #	1
20) Methylene Chloride	4.91	84	23848	9.456	ug/l #	78
23) Vinyl Acetate	6.28	43	6269	1.734	ug/l #	82
25) 2-Butanone	7.18	43	29059	51.752	ug/l #	73
29) Tetrahydrofuran	7.53	42	2226	6.487	ug/l #	35
30) Chloroform	7.63	83	46076	12.145	ug/l #	18
31) Cyclohexane	7.96	56	794796	228.448	ug/l	98
36) 1,1-Dichloropropene	7.95	75	16999	5.207	ug/l #	47
37) Ethyl Acetate	7.18	43	29059	21.484	ug/l #	69
38) Carbon Tetrachloride	7.95	117	19331	6.036	ug/l #	15
39) Methylcyclohexane	9.34	83	1683691	445.683	ug/l	96
40) Benzene	8.32	78	112838	12.538	ug/l	99
41) Methacrylonitrile	7.53	41	15647	18.851	ug/l #	51
42) 1,2-Dichloroethane	8.44	62	3137	1.113	ug/l #	1
43) Isopropyl Acetate	8.43	43	147881	55.062	ug/l #	53
45) 1,2-Dichloropropane	9.34	63	21706	9.473	ug/l #	1
47) Bromodichloromethane	9.63	83	65560	21.801	ug/l #	26
48) Methyl methacrylate	9.48	41	48000	38.030	ug/l #	12
49) 1,4-Dioxane	9.32	88	19	1.073	ug/l #	1
51) 4-Methyl-2-Pentanone	10.26	43	41492	30.319	ug/l #	73
52) Toluene	10.39	92	56940	9.866	ug/l	98
55) 1,1,2-Trichloroethane	10.77	97	297342	179.864	ug/l #	19
56) Ethyl methacrylate	10.67	69	74135	36.930	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.91	63	10298	11.443	ug/l #	48
59) 2-Hexanone	11.00	43	3902	4.081	ug/l #	27
61) 1,2-Dibromoethane	11.21	107	1799	1.150	ug/l #	1
67) Ethyl Benzene	11.74	91	49903	5.602	ug/l	98

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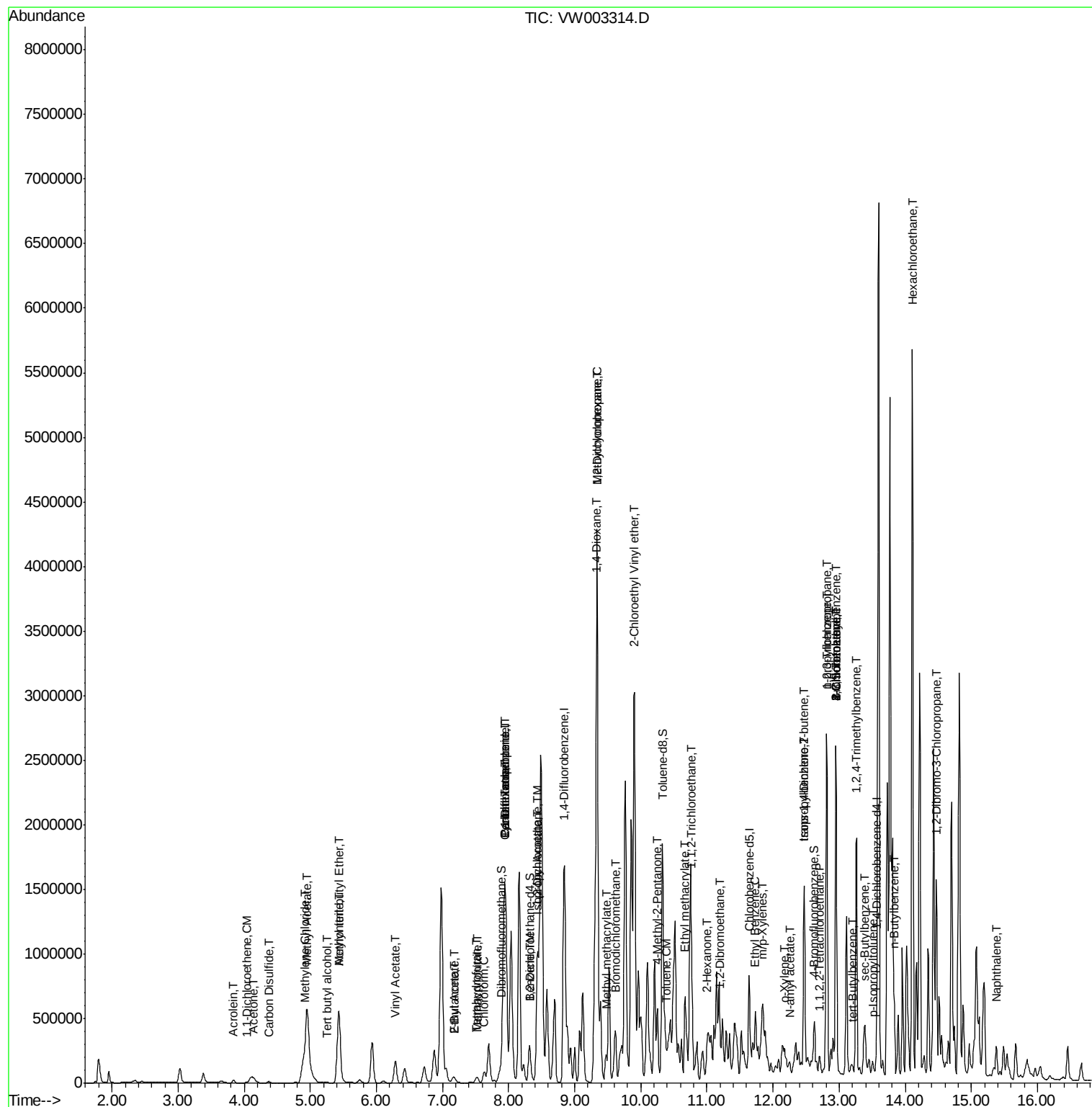
68) m/p-Xylenes	11.84	106	150279	44.377	uq/l	100
69) o-Xylene	12.17	106	29877	9.520	uq/l	90
73) Isopropylbenzene	12.47	105	908604	194.047	uq/l	100
74) N-amyl acetate	12.26	43	18470	17.330	uq/l #	54
75) 1,1,2,2-Tetrachloroethane	12.70	83	3440	4.343	uq/l	97
76) 1,2,3-Trichloropropane	12.81	75	12195	21.190	uq/l #	100
77) Bromobenzene	12.96	156	10731	9.841	uq/l #	1
78) n-propylbenzene	12.81	91	1968794	343.384	uq/l	100
79) 2-Chlorotoluene	12.95	91	138422	42.721	uq/l #	42
80) 1,3,5-Trimethylbenzene	12.95	105	1254246	319.125	uq/l	99
81) trans-1,4-Dichloro-2-buten	12.47	75	11493	45.952	uq/l #	50
82) 4-Chlorotoluene	12.95	91	138422	40.272	uq/l #	42
83) tert-Butylbenzene	13.21	119	10106	3.017	uq/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	1015749	251.241	uq/l	100
85) sec-Butylbenzene	13.39	105	213445	42.872	uq/l #	61
86) p-Isopropyltoluene	13.51	119	43004	9.793	uq/l	94
89) n-Butylbenzene	13.84	91	307856	71.924	uq/l #	82
90) Hexachloroethane	14.11	117	285469	359.375	uq/l #	10
92) 1,2-Dibromo-3-Chloropropan	14.47	75	5630	42.233	uq/l #	5
95) Naphthalene	15.38	128	182208	77.974	uq/l	99

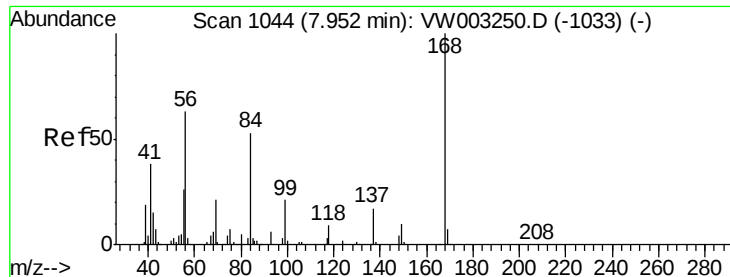
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW003314.D

Acq: 16 Jun 2018 00:54

Instrument :

MSVOA_W

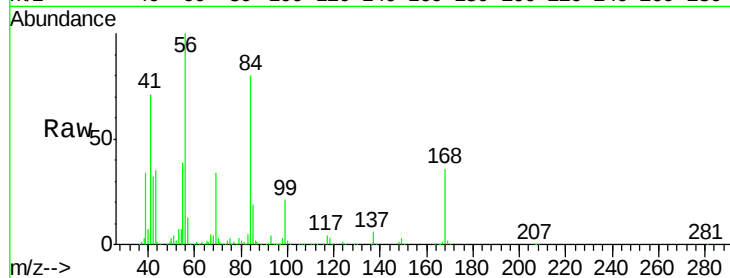
ClientSampled :

Tot Ion:168 Resp: 198776

Ion Ratio Lower Upper

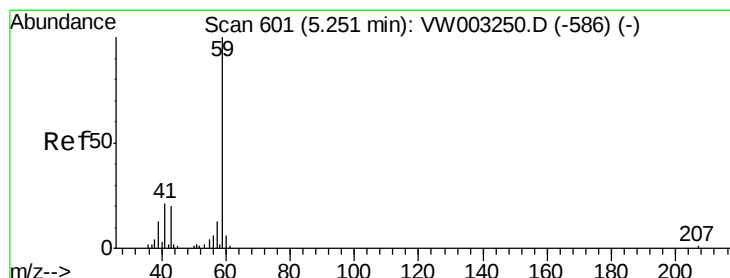
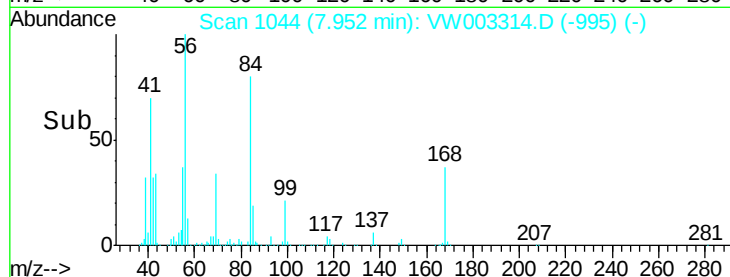
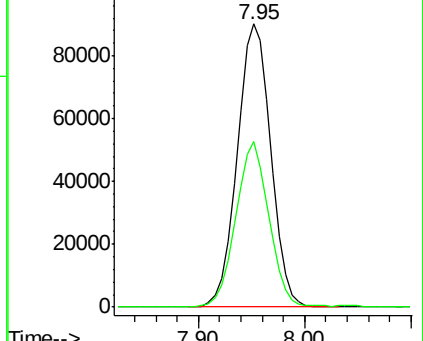
168 100

99 58.3 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 25.747 ug/l

RT: 5.25 min Scan# 600

Delta R.T. -0.01 min

Lab File: VW003314.D

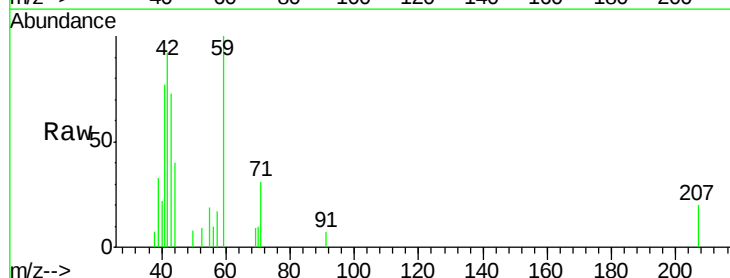
Acq: 16 Jun 2018 00:54

Tgt Ion: 59 Resp: 2973

Ion Ratio Lower Upper

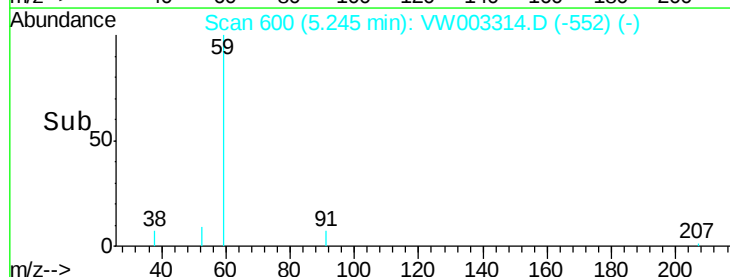
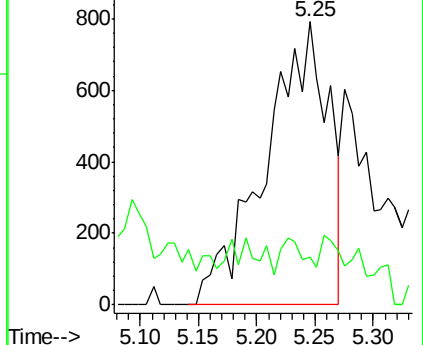
59 100

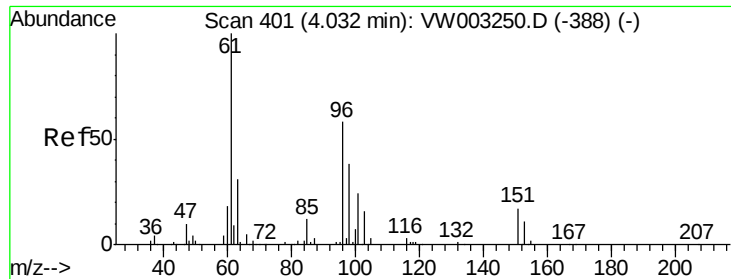
57 0.0 4.2 6.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#12

1,1-Dichloroethene

Concen: 2.832 ug/l

RT: 4.04 min Scan# 402

Delta R.T. 0.01 min

Lab File: VW003314.D

Acq: 16 Jun 2018 00:54

Instrument :

MSVOA_W

ClientSampled :

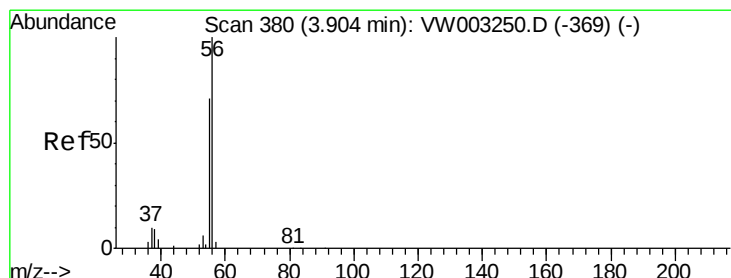
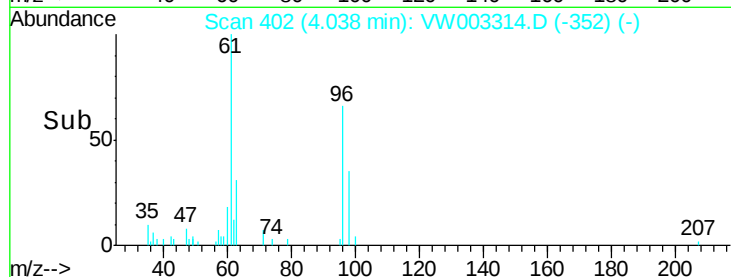
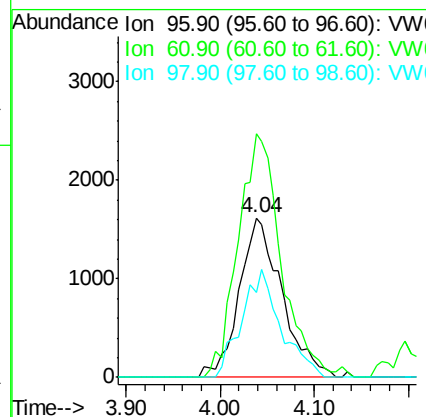
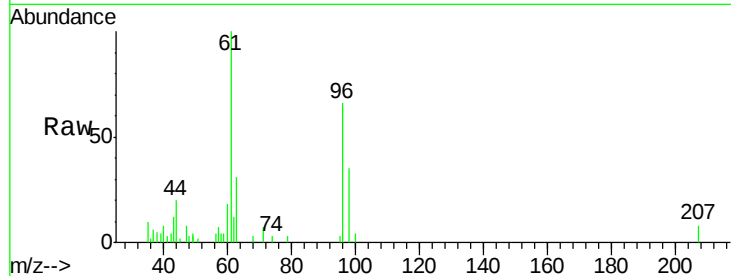
Tot Ion: 96 Resp: 5096

Ion Ratio Lower Upper

96 100

61 152.5 139.0 208.4

98 53.6 53.3 79.9



#13

Acrolein

Concen: 4.234 ug/l

RT: 3.83 min Scan# 368

Delta R.T. -0.07 min

Lab File: VW003314.D

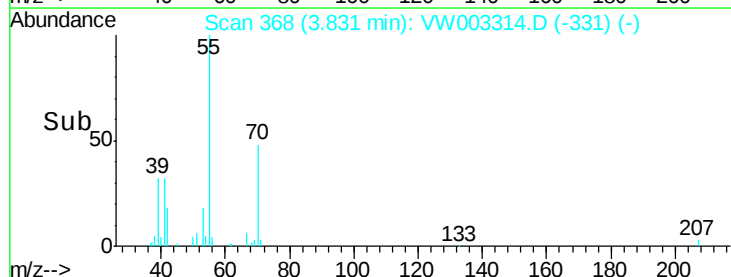
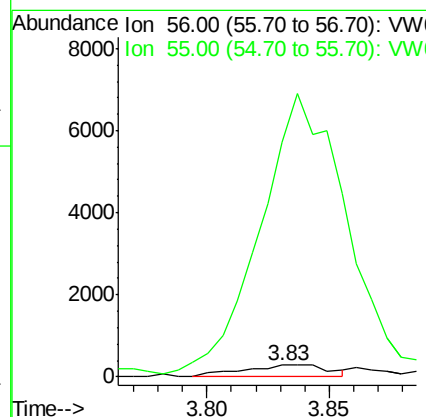
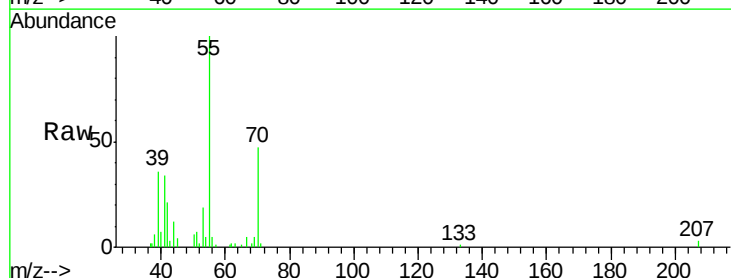
Acq: 16 Jun 2018 00:54

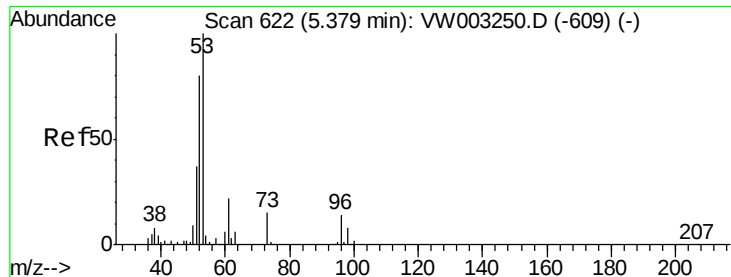
Tgt Ion: 56 Resp: 699

Ion Ratio Lower Upper

56 100

55 2398.0 55.4 83.2#





#15

Acrylonitrile

Concen: 56.085 ug/l

RT: 5.43 min Scan# 630

Delta R.T. 0.05 min

Lab File: VW003314.D

Acq: 16 Jun 2018 00:54

Instrument :

MSVOA_W

ClientSampleId :

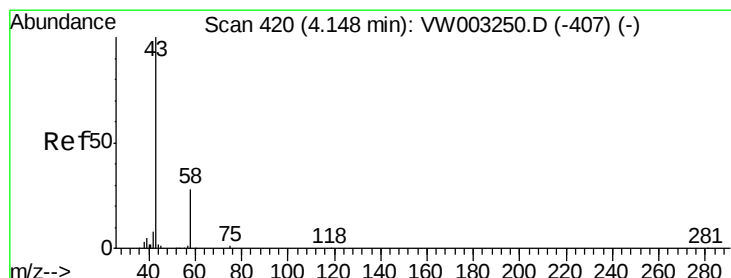
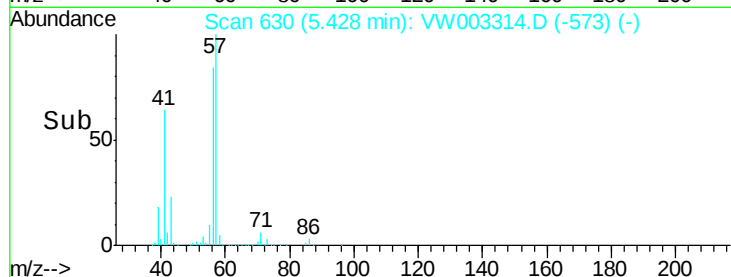
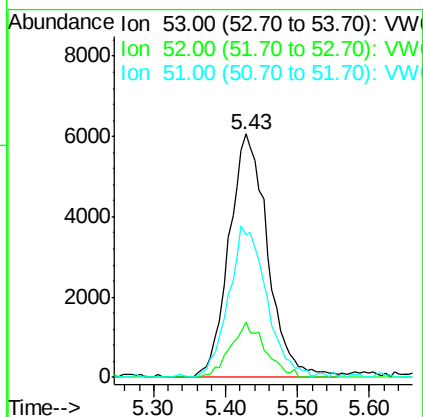
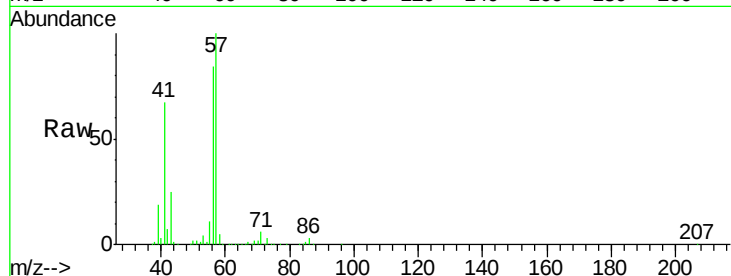
Tot Ion: 53 Resp: 22478

Ion Ratio Lower Upper

53 100

52 20.2 66.6 100.0#

51 61.1 30.6 46.0#



#16

Acetone

Concen: 204.339 ug/l

RT: 4.14 min Scan# 419

Delta R.T. -0.01 min

Lab File: VW003314.D

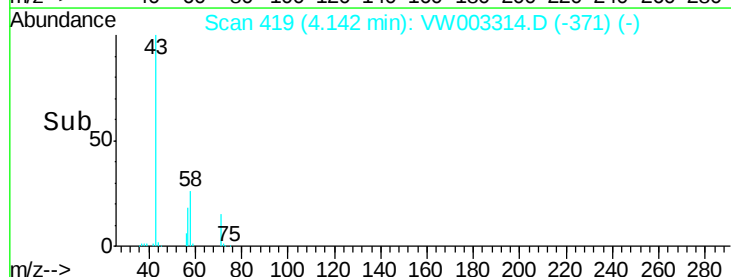
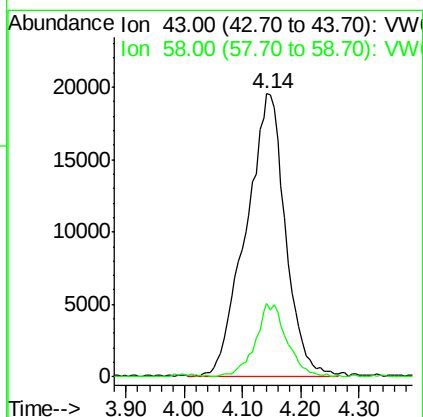
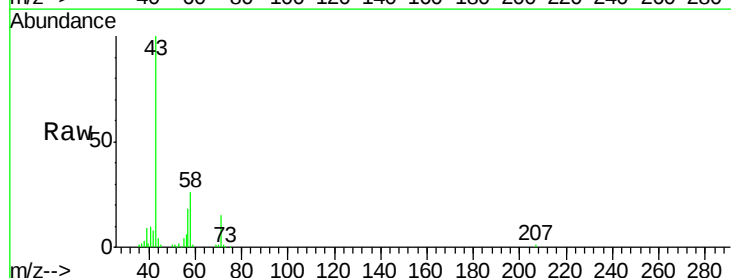
Acq: 16 Jun 2018 00:54

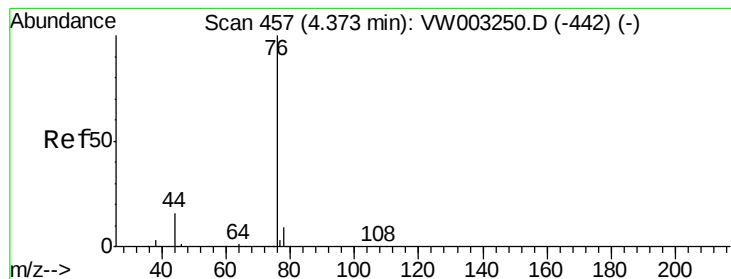
Tgt Ion: 43 Resp: 92271

Ion Ratio Lower Upper

43 100

58 25.6 22.6 34.0





#17

Carbon Disulfide

Concen: 4.558 ug/l

RT: 4.37 min Scan# 457

Delta R.T. 0.00 min

Lab File: VW003314.D

Acq: 16 Jun 2018 00:54

Instrument :

MSVOA_W

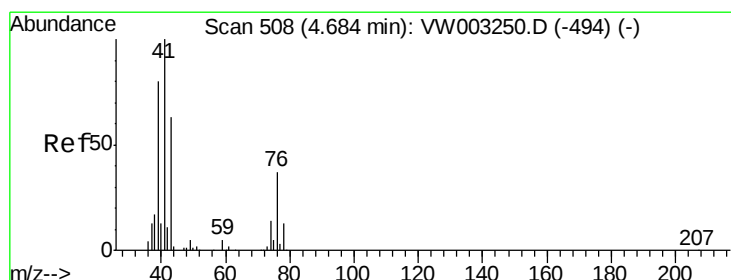
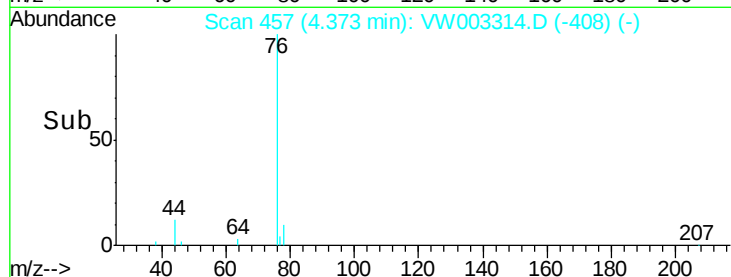
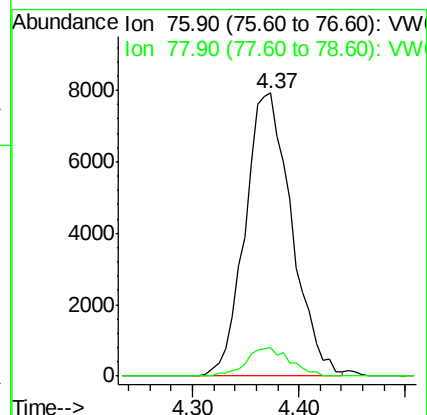
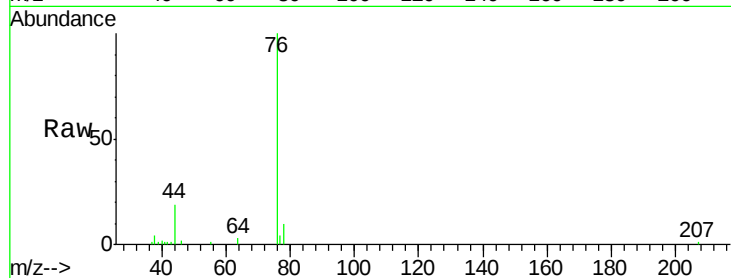
ClientSampled :

Tot Ion: 76 Resp: 24250

Ion Ratio Lower Upper

76 100

78 10.0 7.1 10.7



#18

Methyl Acetate

Concen: 536.984 ug/l

RT: 4.95 min Scan# 551

Delta R.T. 0.26 min

Lab File: VW003314.D

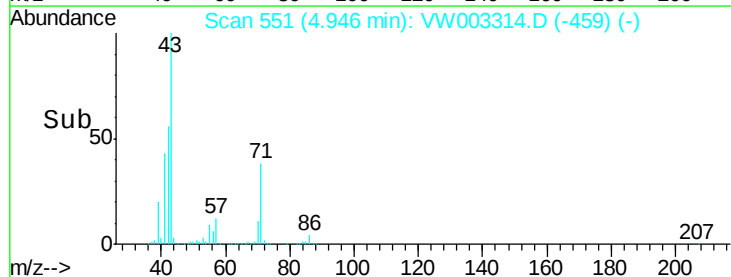
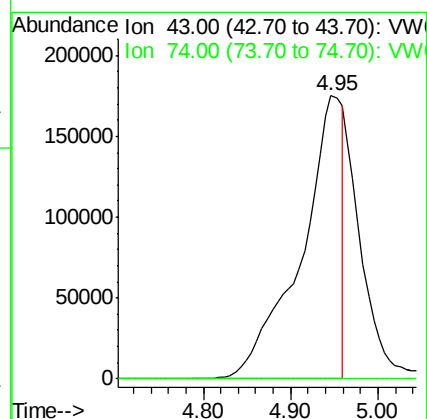
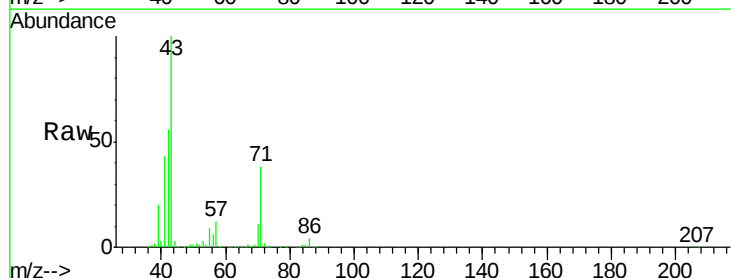
Acq: 16 Jun 2018 00:54

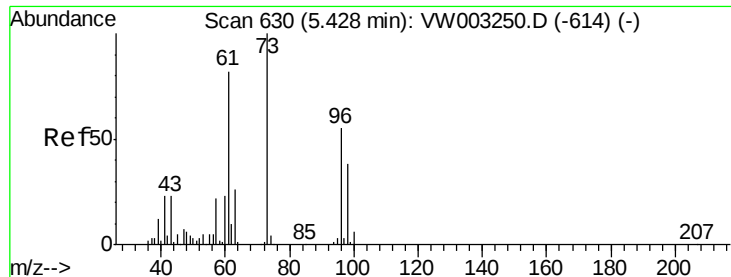
Tgt Ion: 43 Resp: 575237

Ion Ratio Lower Upper

43 100

74 0.0 18.7 28.1#

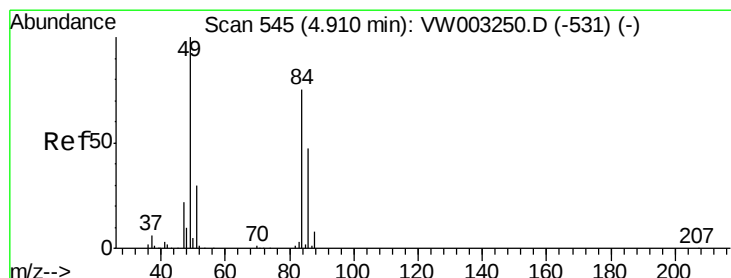
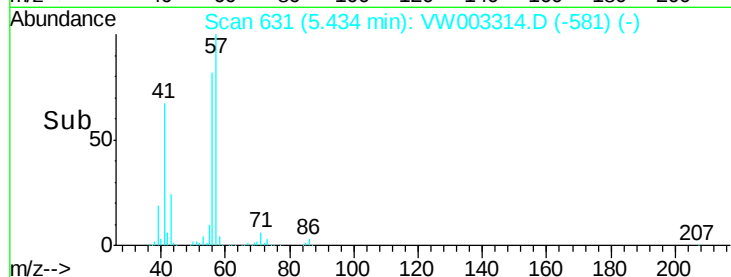
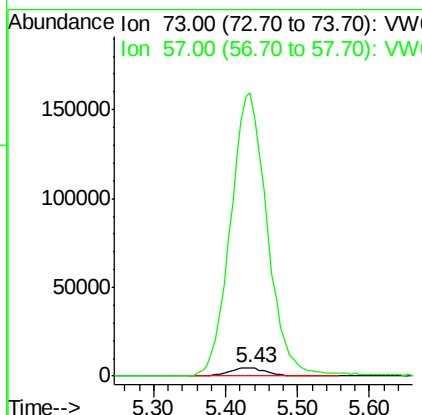
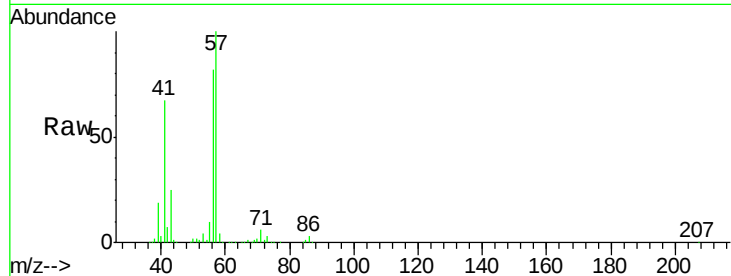




#19
Methvl tert-butvl Ether
Concen: 5.232 ug/l
RT: 5.43 min Scan# 631
Delta R.T. 0.01 min
Lab File: VW003314.D
Acq: 16 Jun 2018 00:54

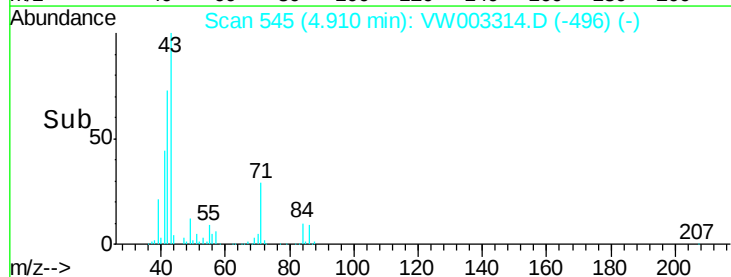
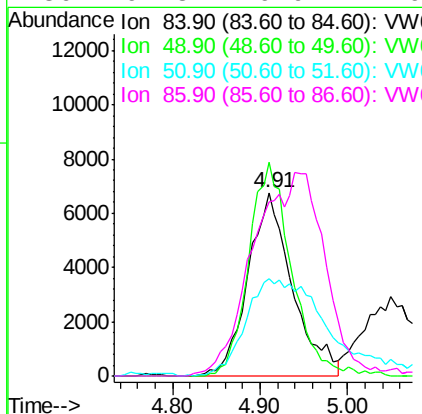
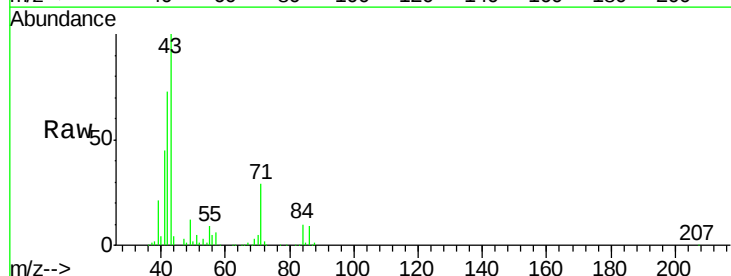
Instrument :
MSVOA_W
ClientSampled :

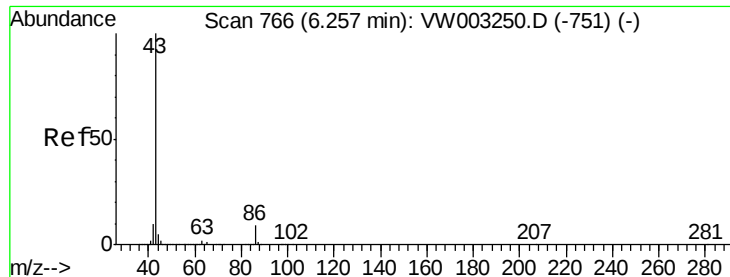
Tot Ion: 73 Resp: 17633
Ion Ratio Lower Upper
73 100
57 3203.6 18.0 27.0#



#20
Methylene Chloride
Concen: 9.456 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003314.D
Acq: 16 Jun 2018 00:54

Tgt Ion: 84 Resp: 23848
Ion Ratio Lower Upper
84 100
49 116.5 106.3 159.5
51 52.1 32.0 48.0#
86 94.8 49.9 74.9#





#23

Vinyl Acetate

Concen: 1.734 ug/l

RT: 6.28 min Scan# 769

Delta R.T. 0.02 min

Lab File: VW003314.D

Acq: 16 Jun 2018 00:54

Instrument :

MSVOA_W

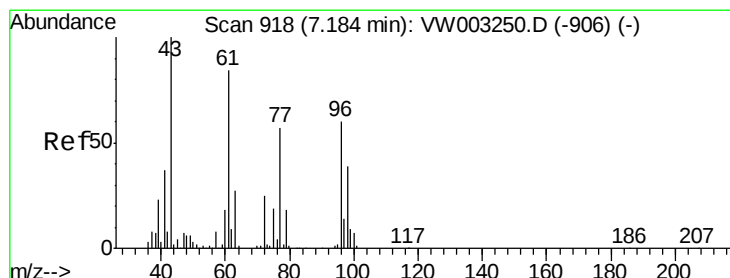
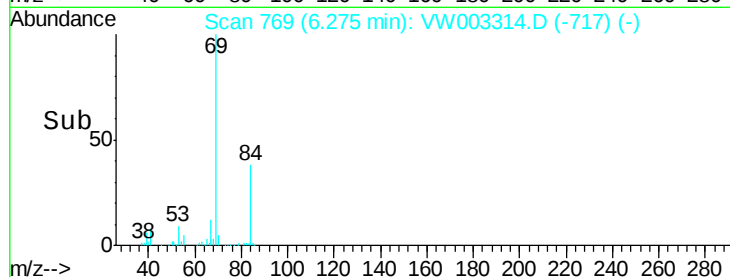
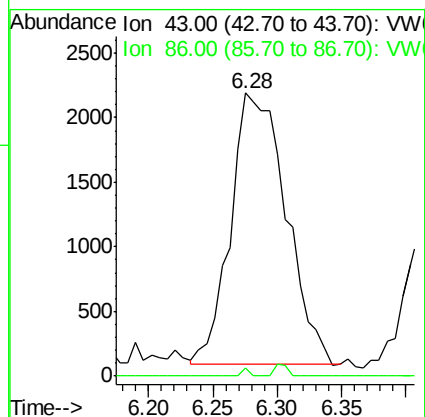
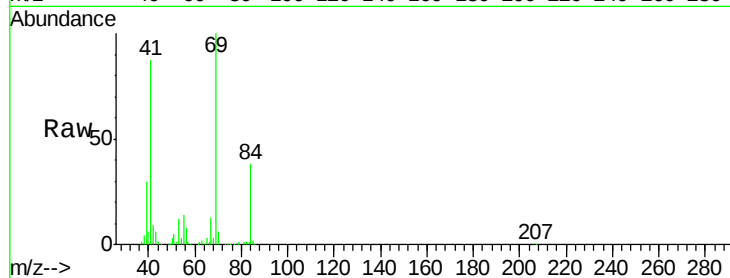
ClientSampleId :

Tot Ion: 43 Resp: 6269

Ion Ratio Lower Upper

43 100

86 2.9 7.5 11.3#



#25

2-Butanone

Concen: 51.752 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.00 min

Lab File: VW003314.D

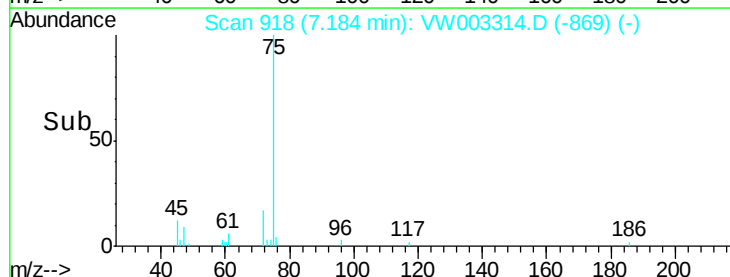
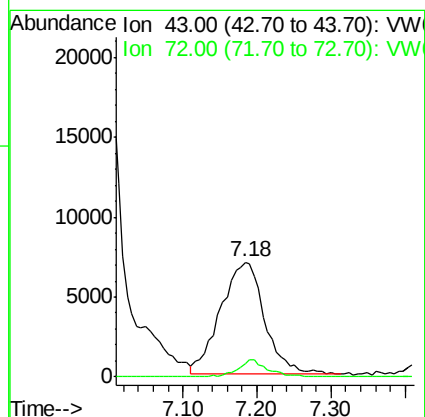
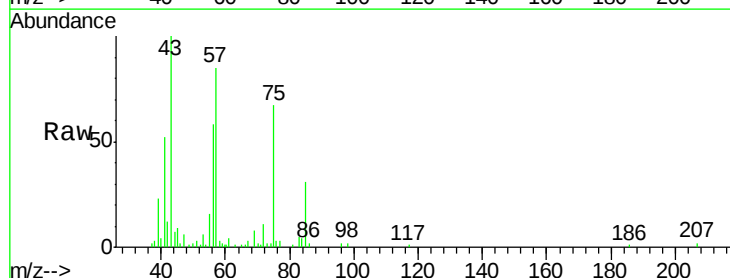
Acq: 16 Jun 2018 00:54

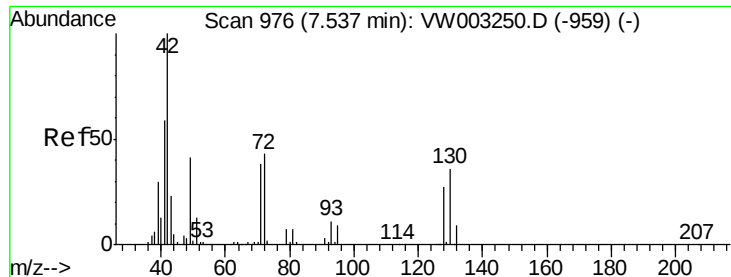
Tgt Ion: 43 Resp: 29059

Ion Ratio Lower Upper

43 100

72 11.6 20.3 30.5#

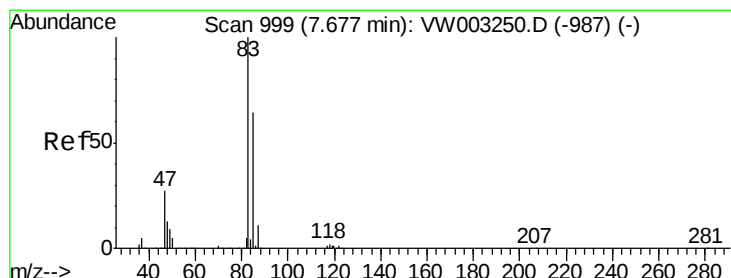
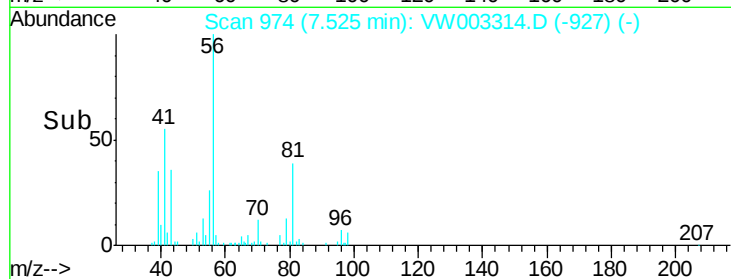
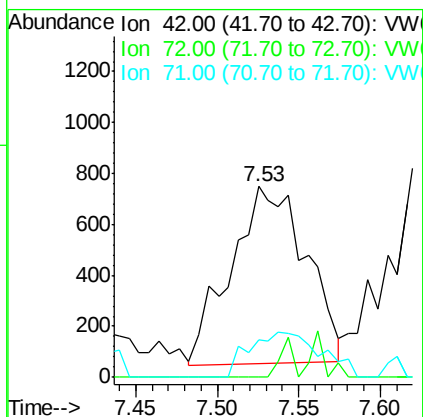
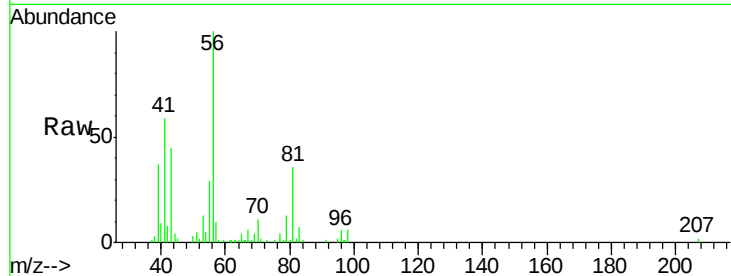




#29
Tetrahydrofuran
Concen: 6.487 ug/l
RT: 7.53 min Scan# 974
Delta R.T. -0.01 min
Lab File: VW003314.D
Acq: 16 Jun 2018 00:54

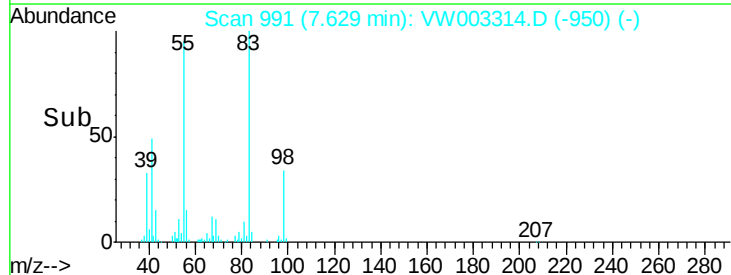
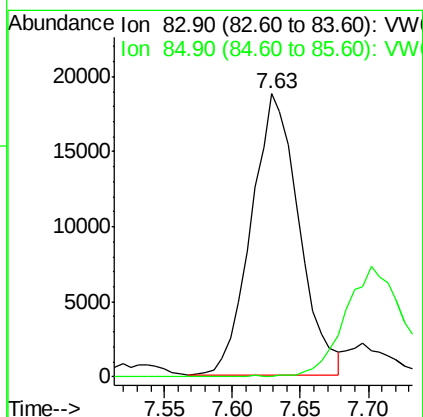
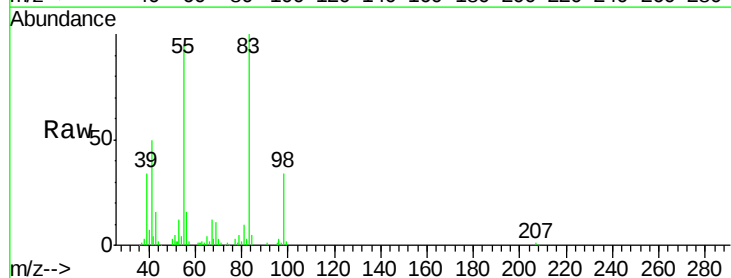
Instrument :
MSVOA_W
ClientSampled :

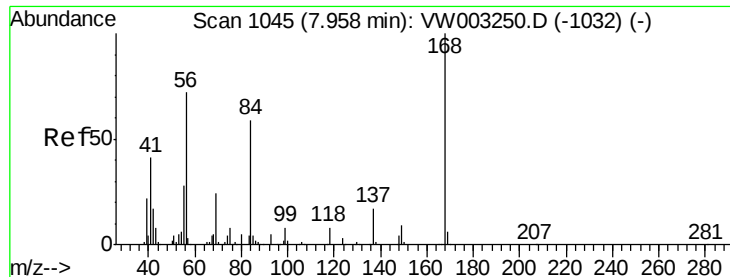
Tot Ion: 42 Resp: 2226
Ion Ratio Lower Upper
42 100
72 0.0 32.4 48.6#
71 0.0 31.2 46.8#



#30
Chloroform
Concen: 12.145 ug/l
RT: 7.63 min Scan# 991
Delta R.T. -0.05 min
Lab File: VW003314.D
Acq: 16 Jun 2018 00:54

Tgt Ion: 83 Resp: 46076
Ion Ratio Lower Upper
83 100
85 0.0 51.3 76.9#

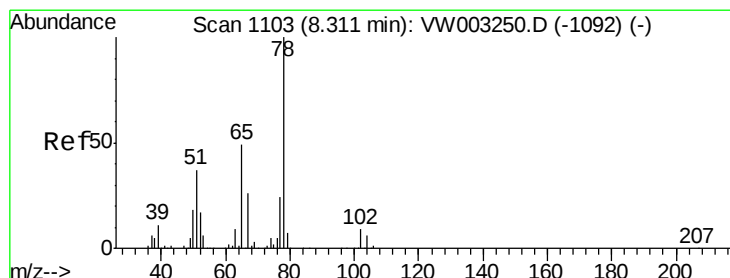
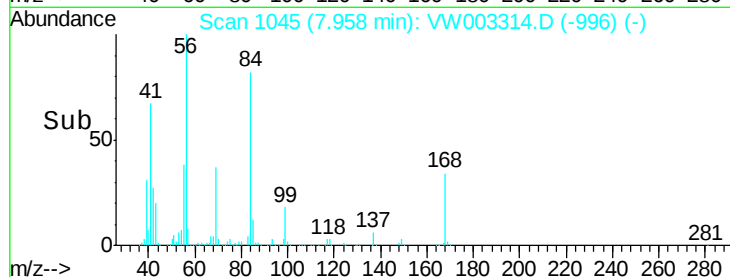
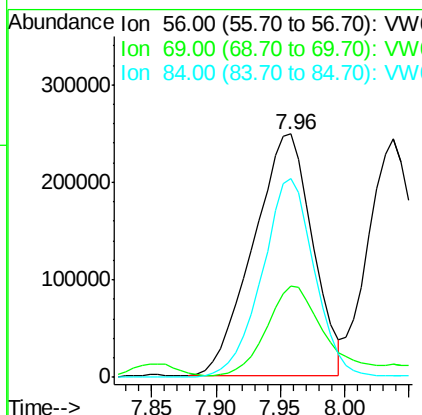
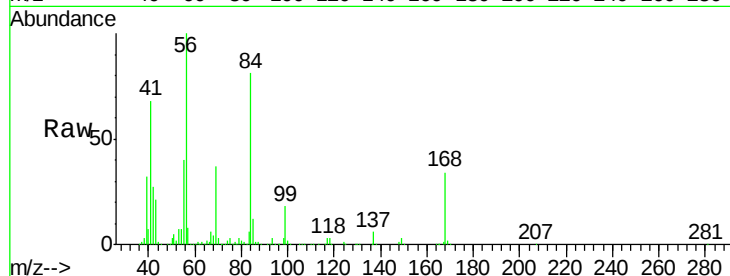




#31
Cyclohexane
Concen: 228.448 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VW003314.D
Acq: 16 Jun 2018 00:54

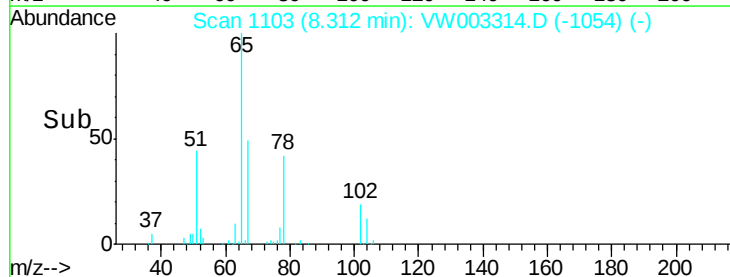
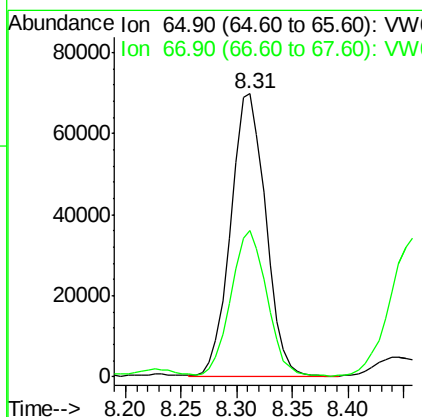
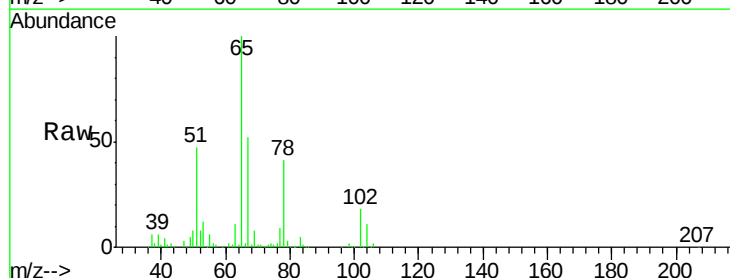
Instrument :
MSVOA_W
ClientSampled :

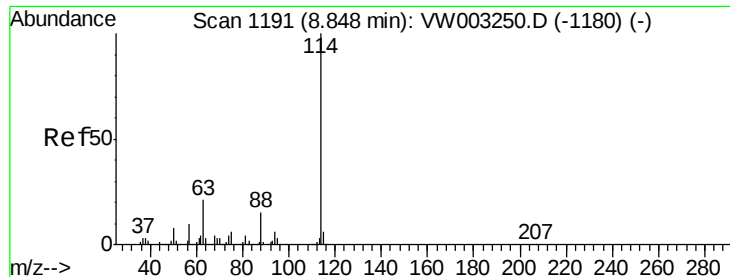
Tot Ion: 56 Resp: 794796
Ion Ratio Lower Upper
56 100
69 35.9 26.3 39.5
84 81.9 65.7 98.5



#33
1,2-Dichloroethane-d4
Concen: 70.543 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VW003314.D
Acq: 16 Jun 2018 00:54

Tgt Ion: 65 Resp: 151883
Ion Ratio Lower Upper
65 100
67 52.6 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: VW003314.D

Acq: 16 Jun 2018 00:54

Instrument :

MSVOA_W

ClientSampleId :

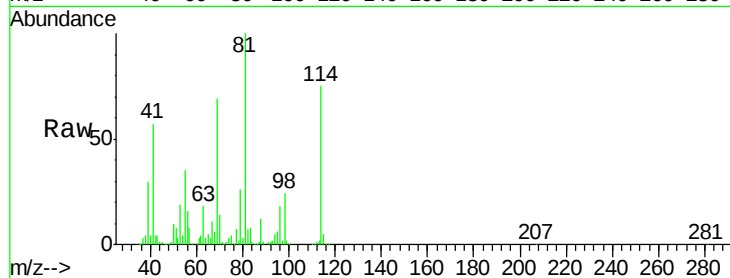
Tot Ion:114 Resp: 338076

Ion Ratio Lower Upper

114 100

63 24.0 0.0 43.0

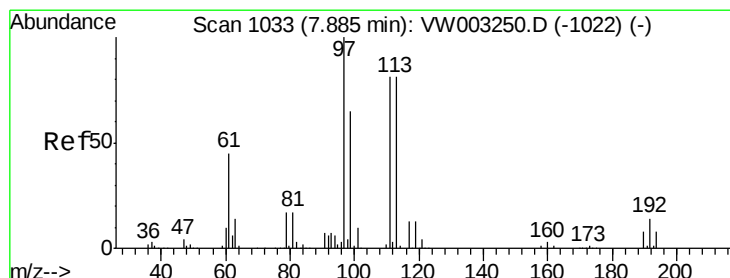
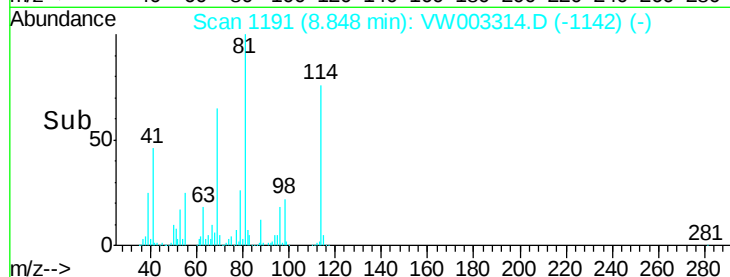
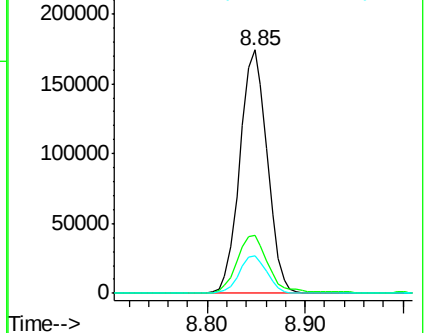
88 15.3 0.0 29.6



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: 44.859 ug/l

RT: 7.89 min Scan# 1034

Delta R.T. 0.01 min

Lab File: VW003314.D

Acq: 16 Jun 2018 00:54

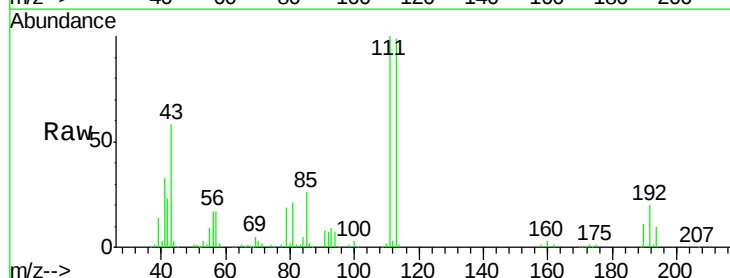
Tgt Ion:113 Resp: 94235

Ion Ratio Lower Upper

113 100

111 100.7 82.2 123.2

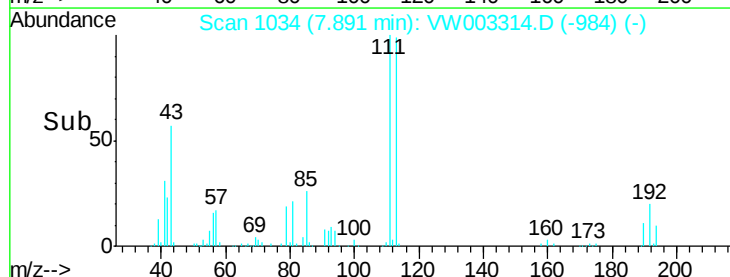
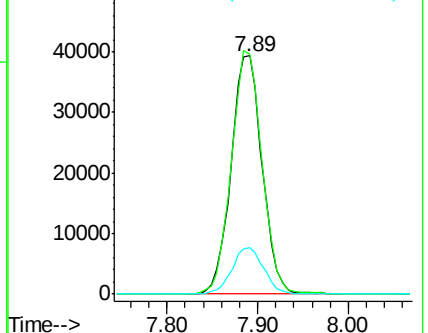
192 20.0 16.2 24.2

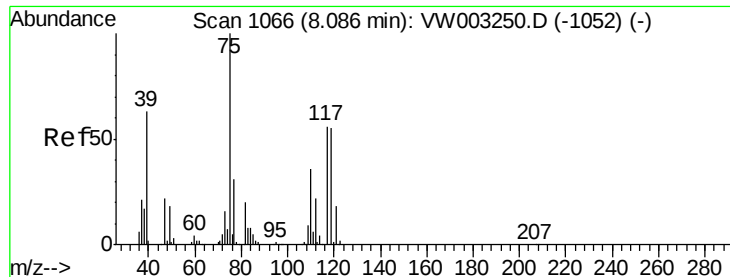


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.207 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW003314.D

Acq: 16 Jun 2018 00:54

Instrument :
MSVOA_W
ClientSampleId :

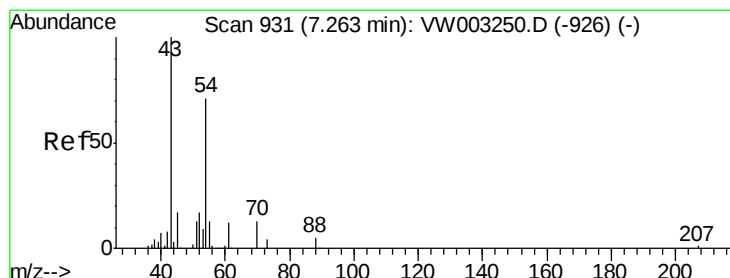
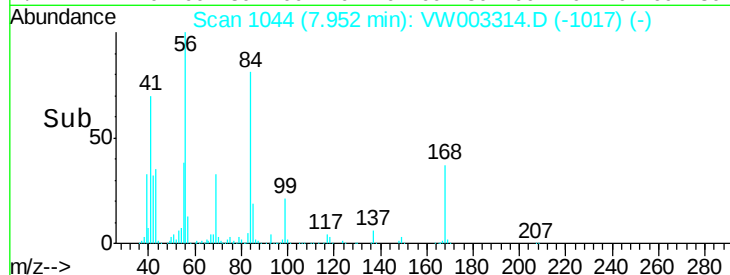
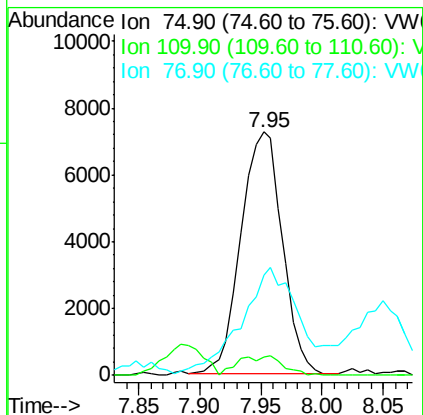
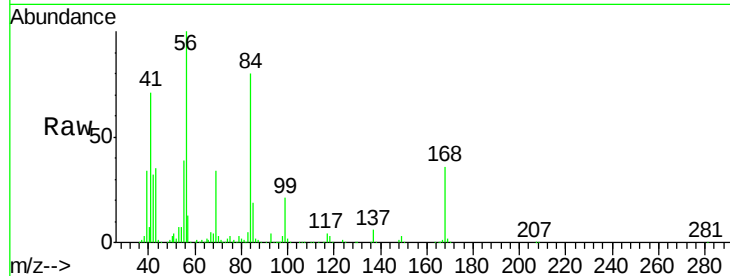
Tot Ion: 75 Resp: 16999

Ion Ratio Lower Upper

75 100

110 4.1 17.1 51.3#

77 61.2 24.9 37.3#



#37

Ethyl Acetate

Concen: 21.484 ug/l

RT: 7.18 min Scan# 918

Delta R.T. -0.08 min

Lab File: VW003314.D

Acq: 16 Jun 2018 00:54

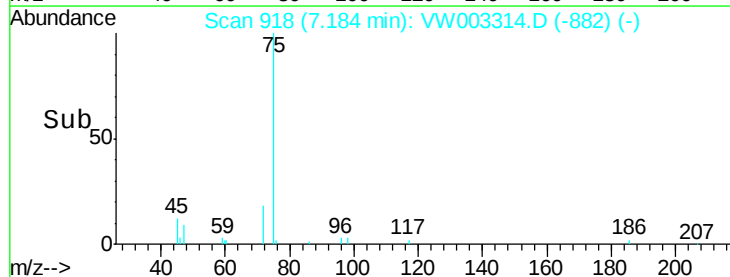
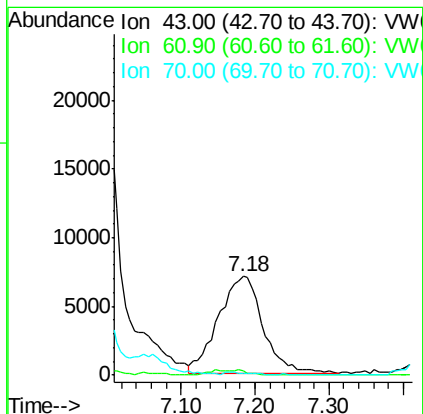
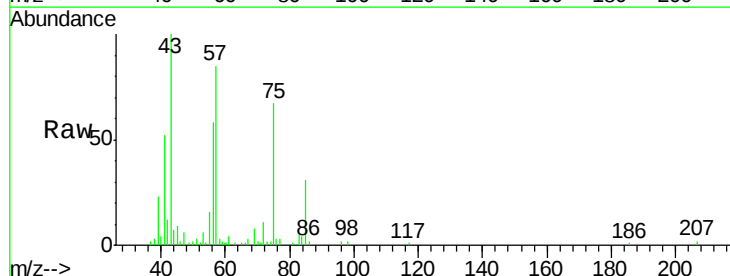
Tgt Ion: 43 Resp: 29059

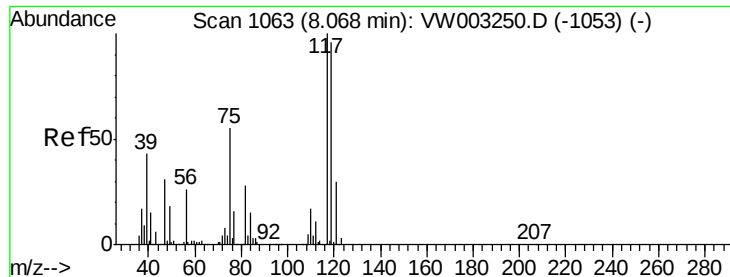
Ion Ratio Lower Upper

43 100

61 0.0 10.8 16.2#

70 0.0 7.8 11.6#





#38

Carbon Tetrachloride

Concen: 6.036 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW003314.D

Acq: 16 Jun 2018 00:54

Instrument :

MSVOA_W

ClientSampleId :

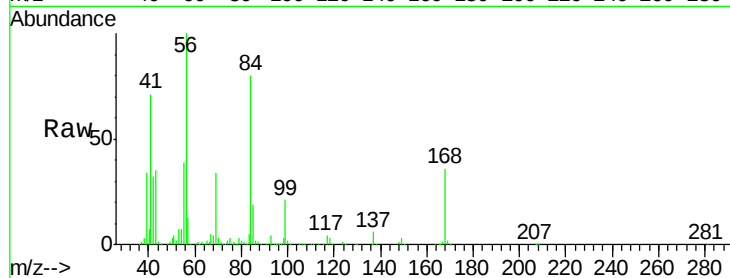
Tot Ion:117 Resp: 19331

Ion Ratio Lower Upper

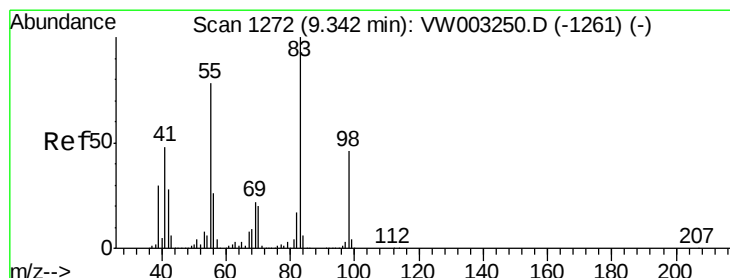
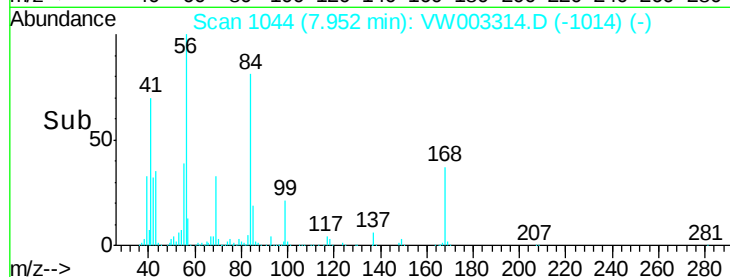
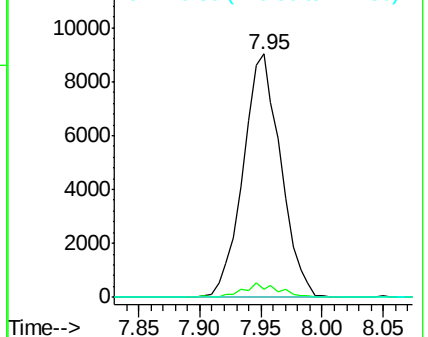
117 100

119 3.5 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: 445.683 ug/l

RT: 9.34 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VW003314.D

Acq: 16 Jun 2018 00:54

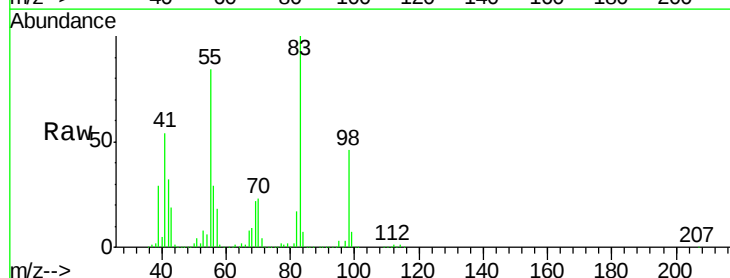
Tgt Ion: 83 Resp: 1683691

Ion Ratio Lower Upper

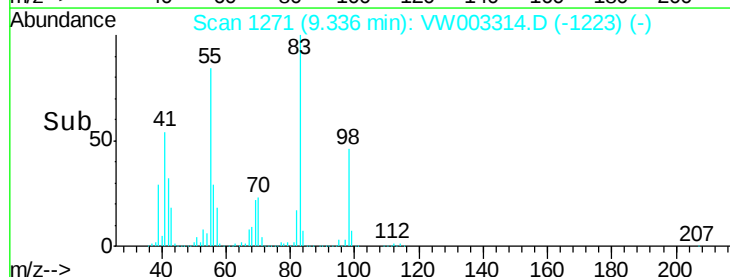
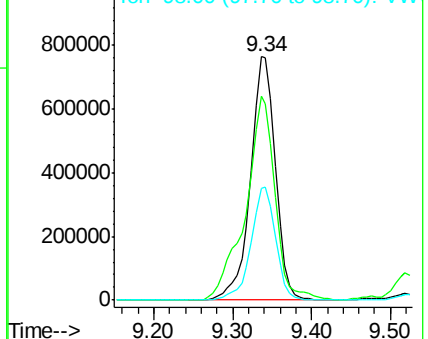
83 100

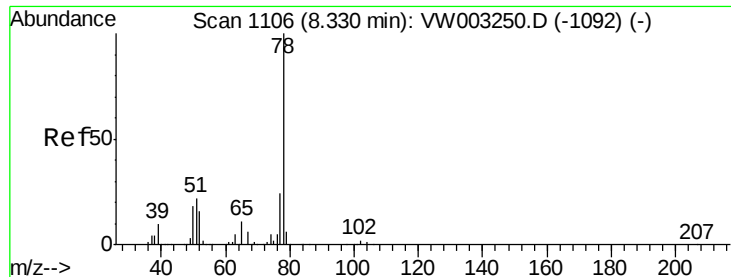
55 83.9 62.6 93.8

98 45.9 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: 12.538 ug/l

RT: 8.32 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VW003314.D

Acq: 16 Jun 2018 00:54

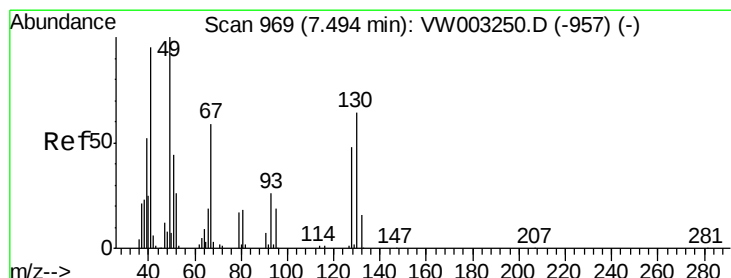
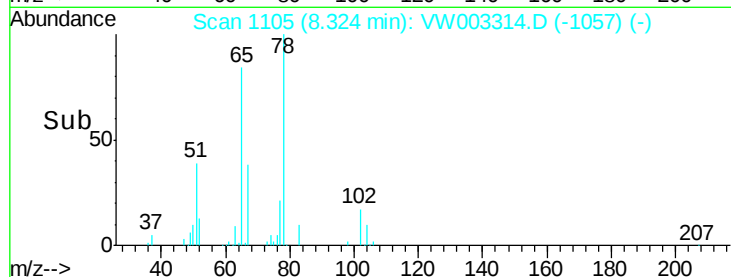
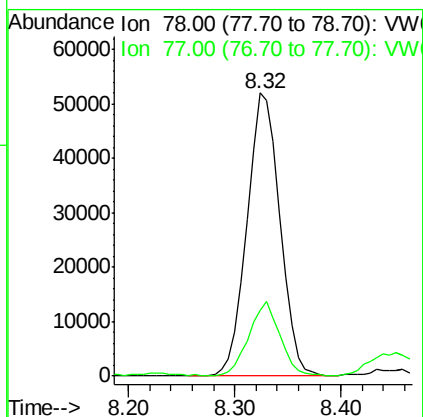
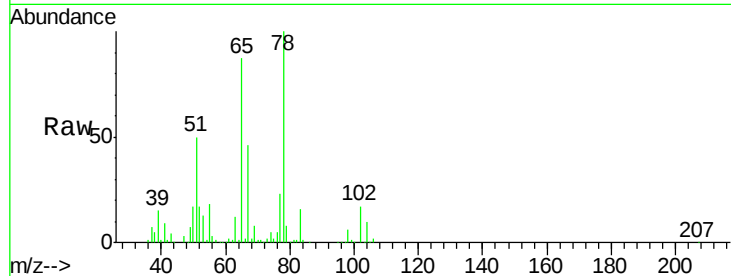
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 78 Resp: 112838

Ion Ratio Lower Upper

78 100

77 23.1 19.0 28.6



#41

Methacrylonitrile

Concen: 18.851 ug/l

RT: 7.53 min Scan# 975

Delta R.T. 0.04 min

Lab File: VW003314.D

Acq: 16 Jun 2018 00:54

Tgt Ion: 41 Resp: 15647

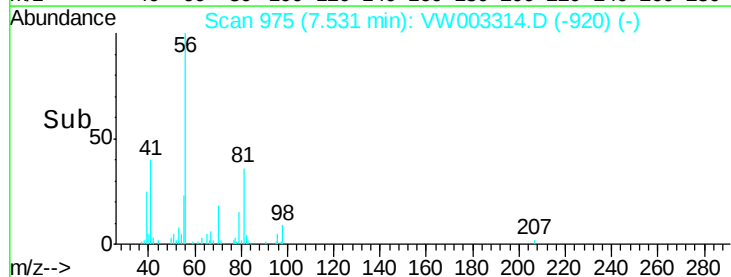
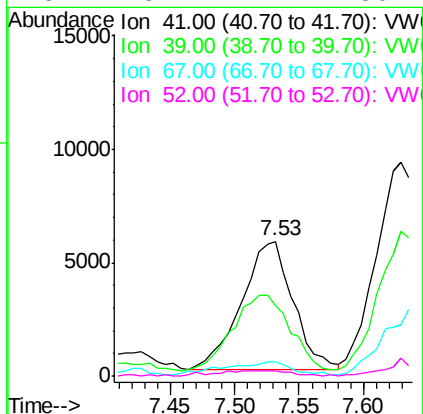
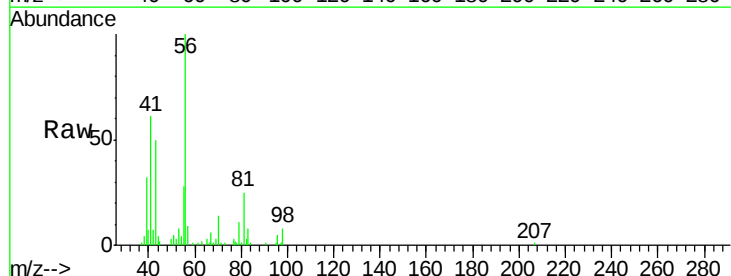
Ion Ratio Lower Upper

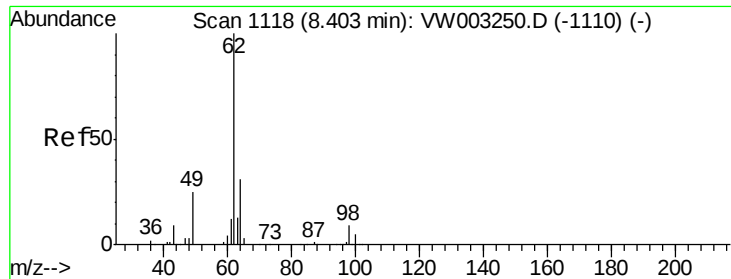
41 100

39 65.8 45.8 68.8

67 0.0 52.3 78.5#

52 5.4 24.1 36.1#





#42

1,2-Dichloroethane

Concen: 1.113 ug/l

RT: 8.44 min Scan# 1124

Delta R.T. 0.04 min

Lab File: VW003314.D

Acq: 16 Jun 2018 00:54

Instrument :

MSVOA_W

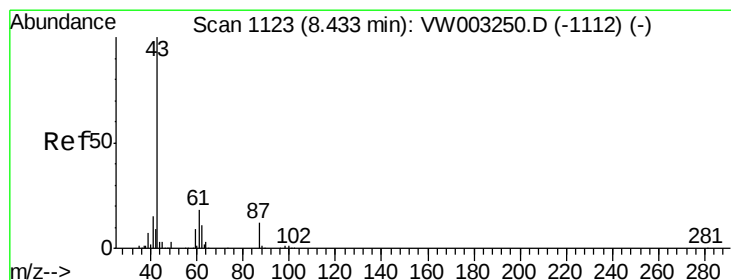
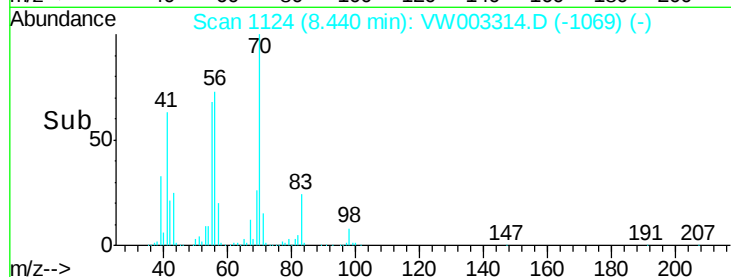
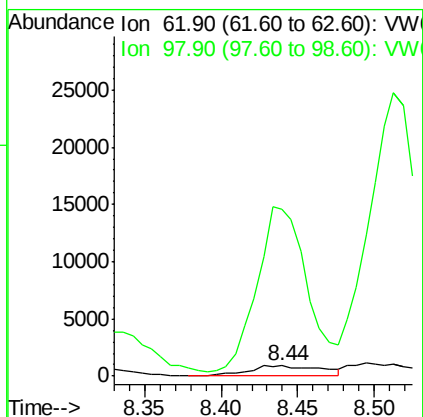
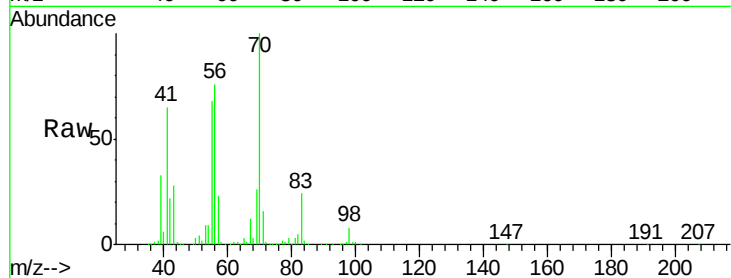
ClientSampled :

Tot Ion: 62 Resp: 3137

Ion Ratio Lower Upper

62 100

98 1045.5 0.0 17.2#



#43

Isopropyl Acetate

Concen: 55.062 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VW003314.D

Acq: 16 Jun 2018 00:54

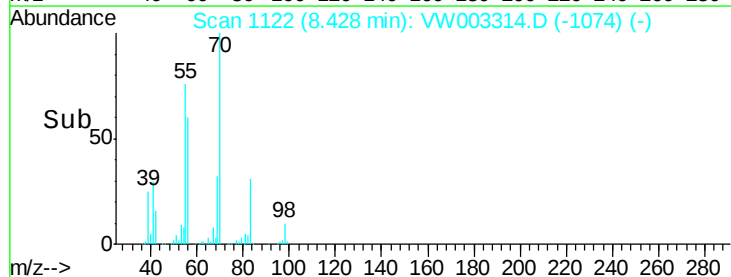
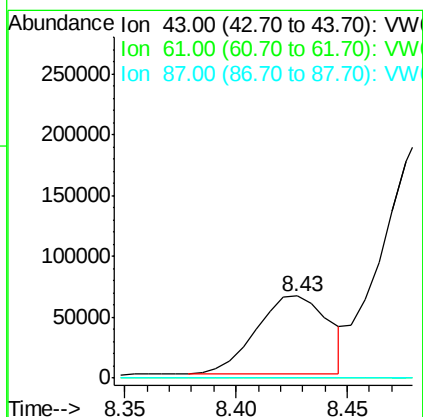
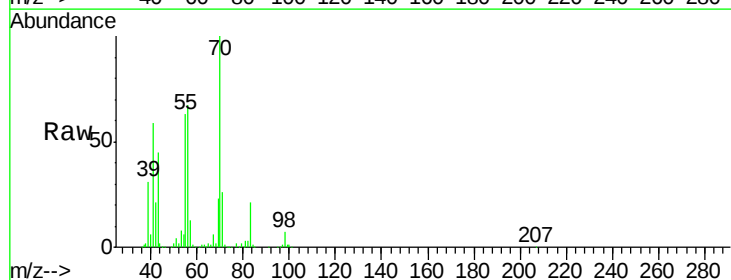
Tgt Ion: 43 Resp: 147881

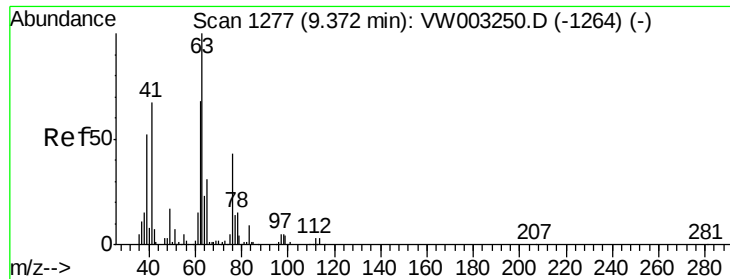
Ion Ratio Lower Upper

43 100

61 0.0 23.1 34.7#

87 0.0 9.8 14.6#





#45

1,2-Dichloropropane

Concen: 9.473 ug/l

RT: 9.34 min Scan# 1271

Delta R.T. -0.04 min

Lab File: VW003314.D

Acq: 16 Jun 2018 00:54

Instrument :

MSVOA_W

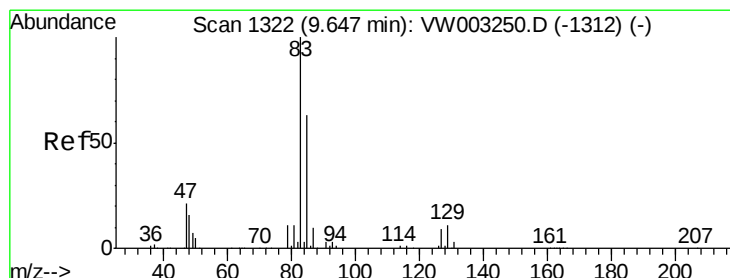
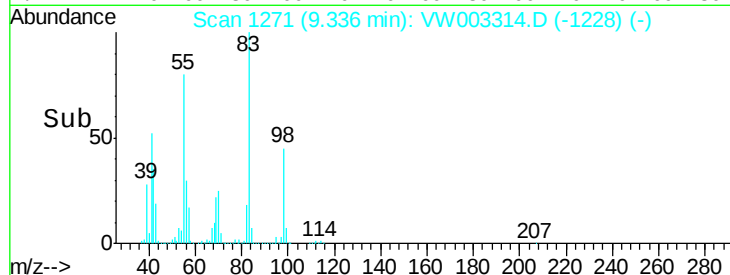
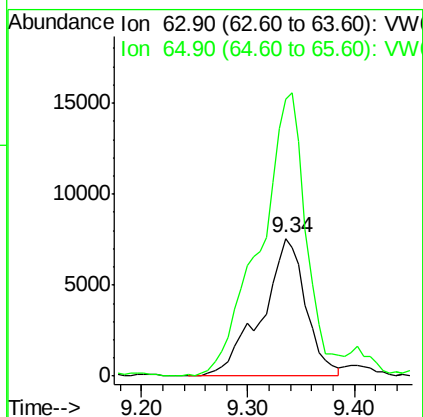
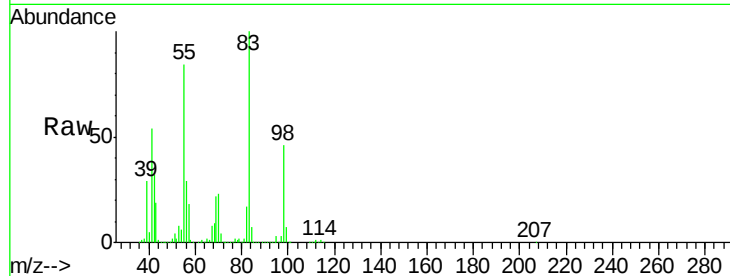
ClientSampled :

Tot Ion: 63 Resp: 21706

Ion Ratio Lower Upper

63 100

65 200.5 25.1 37.7#



#47

Bromodichloromethane

Concen: 21.801 ug/l

RT: 9.63 min Scan# 1319

Delta R.T. -0.02 min

Lab File: VW003314.D

Acq: 16 Jun 2018 00:54

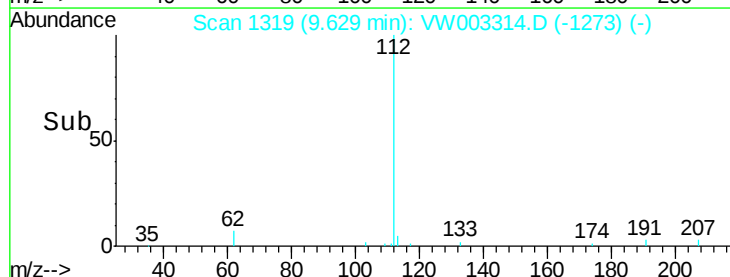
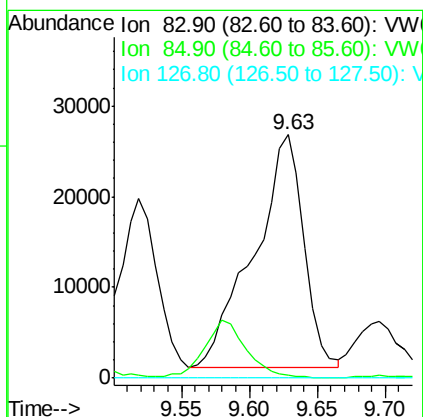
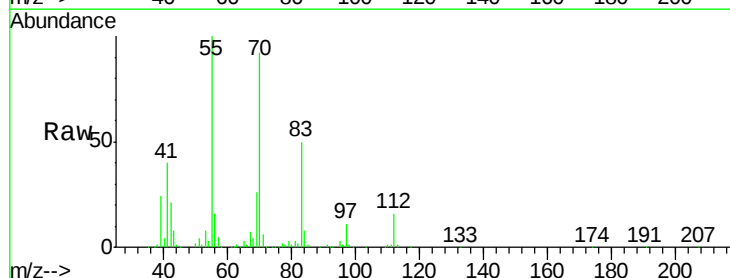
Tgt Ion: 83 Resp: 65560

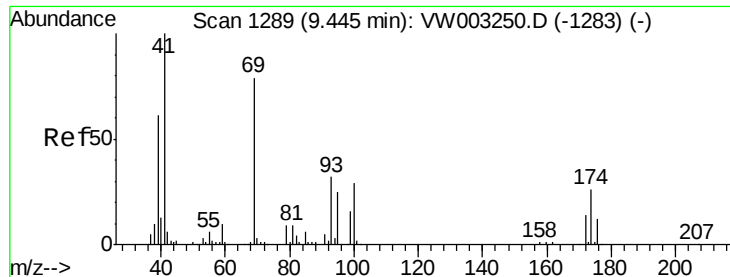
Ion Ratio Lower Upper

83 100

85 0.7 50.6 75.8#

127 0.0 6.8 10.2#

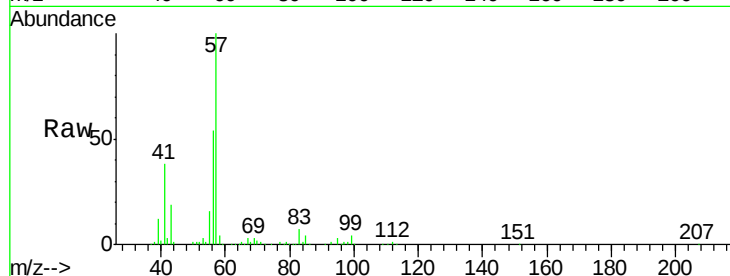




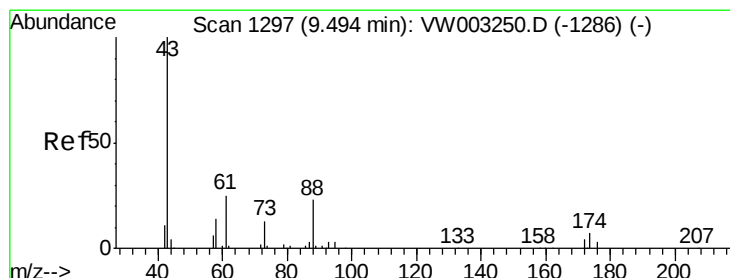
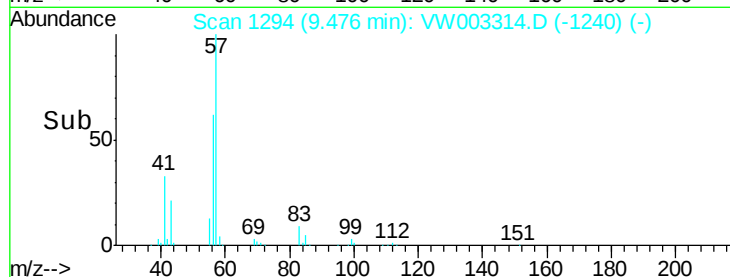
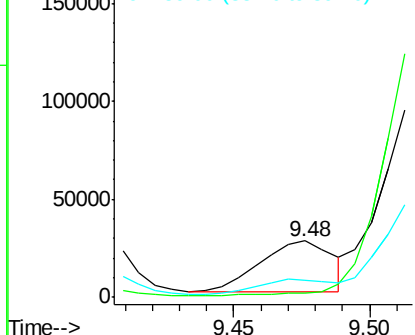
#48
Methyl methacrylate
Concen: 38.030 ug/l
RT: 9.48 min Scan# 1294
Delta R.T. 0.03 min
Lab File: VW003314.D
Acq: 16 Jun 2018 00:54

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 41 Resp: 48000
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.2#
39 0.0 54.2 81.2#

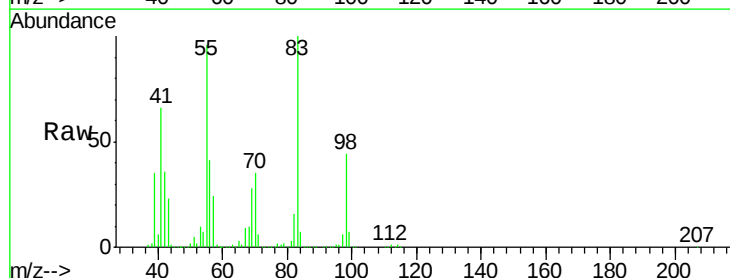


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW

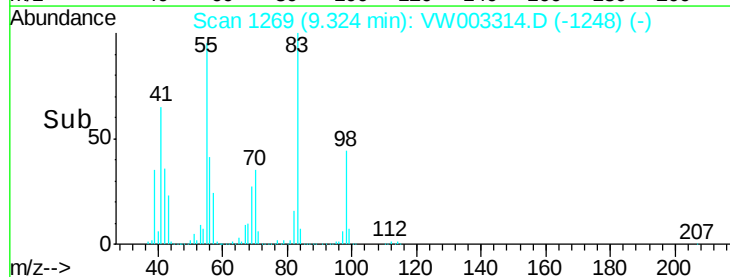
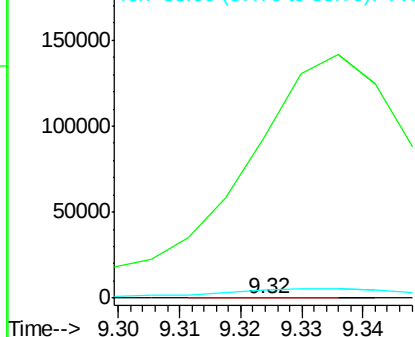


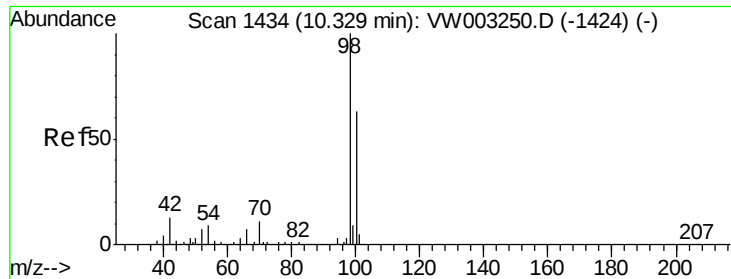
#49
1,4-Dioxane
Concen: 1.073 ug/l
RT: 9.32 min Scan# 1269
Delta R.T. -0.17 min
Lab File: VW003314.D
Acq: 16 Jun 2018 00:54

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 1663373.7 454.7 682.1#
58 73268.4 58.6 88.0#



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

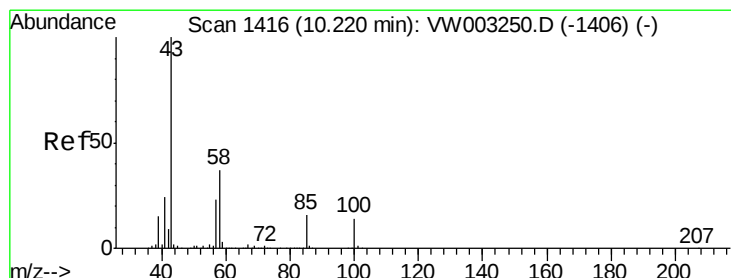
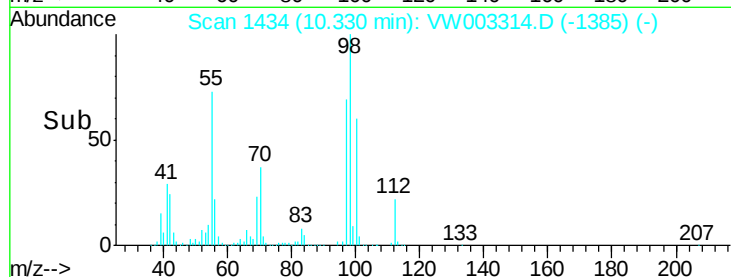
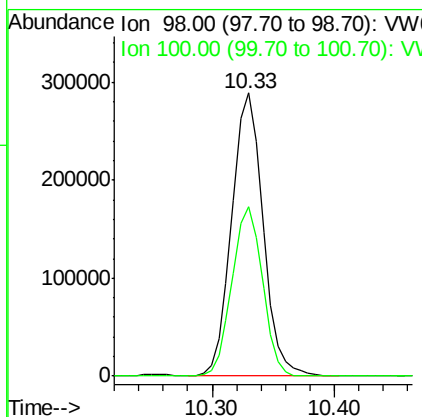
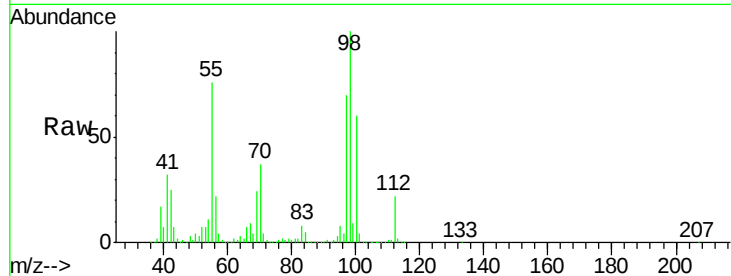




#50
Toluene-d8
Concen: 61.430 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW003314.D
Acq: 16 Jun 2018 00:54

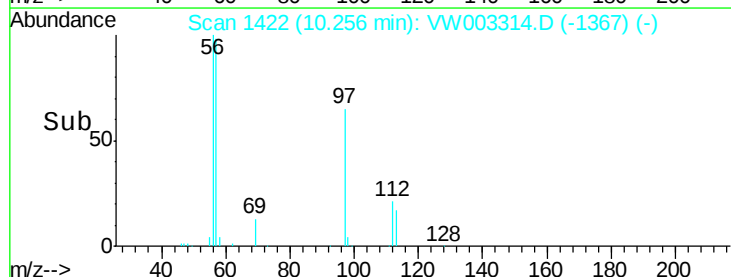
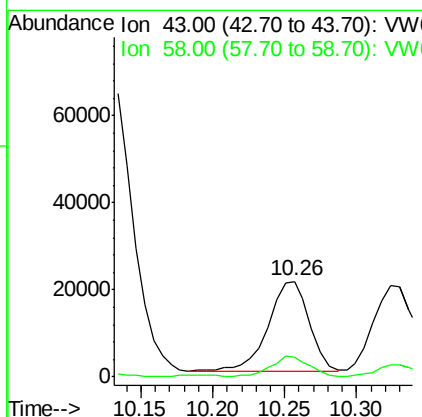
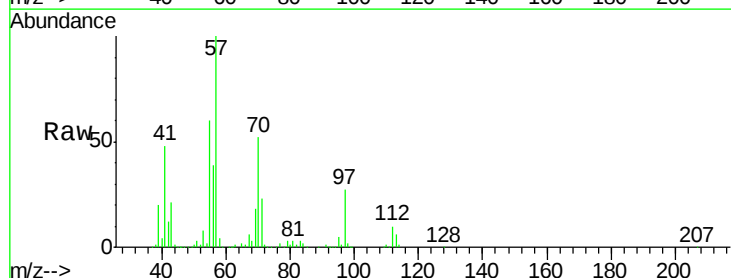
Instrument :
MSVOA_W
ClientSampled :

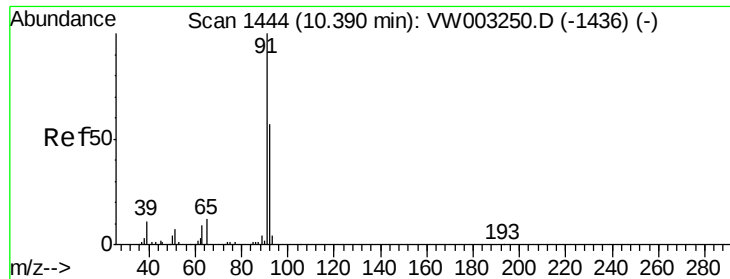
Tot Ion: 98 Resp: 511699
Ion Ratio Lower Upper
98 100
100 58.2 50.8 76.2



#51
4-Methyl-2-Pentanone
Concen: 30.319 ug/l
RT: 10.26 min Scan# 1422
Delta R.T. 0.04 min
Lab File: VW003314.D
Acq: 16 Jun 2018 00:54

Tgt Ion: 43 Resp: 41492
Ion Ratio Lower Upper
43 100
58 20.1 29.0 43.4#





#52

Toluene

Concen: 9.866 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW003314.D

Acq: 16 Jun 2018 00:54

Instrument :

MSVOA_W

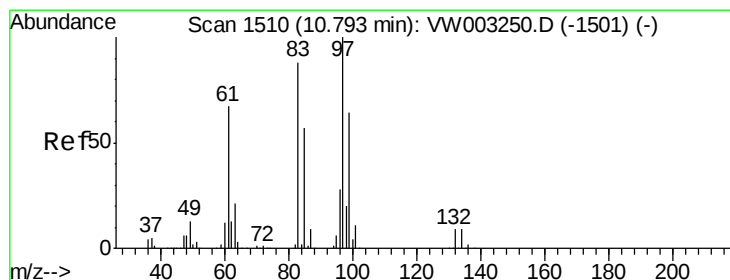
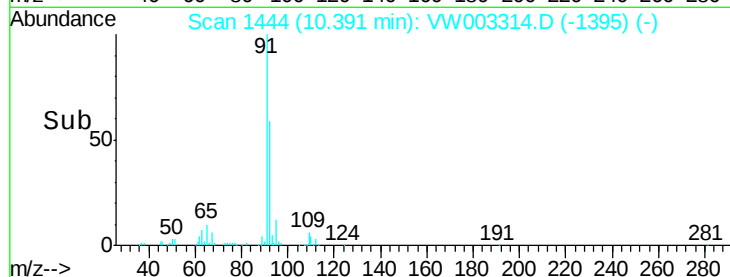
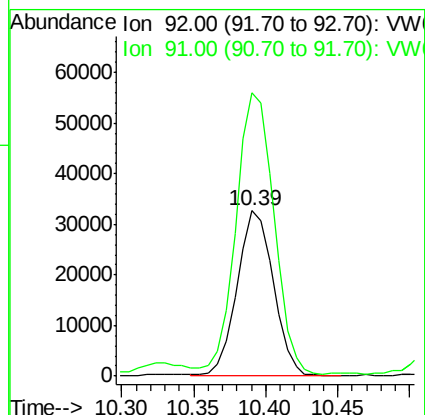
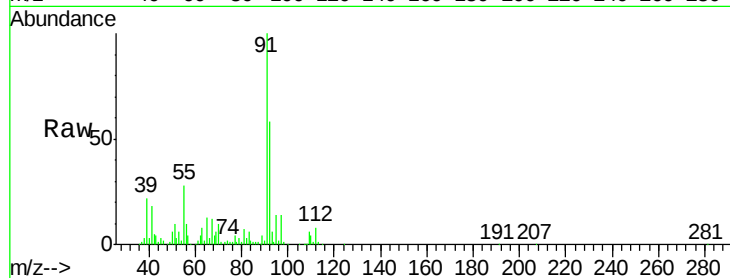
ClientSampled :

Tot Ion: 92 Resp: 56940

Ion Ratio Lower Upper

92 100

91 178.7 141.1 211.7



#55

1,1,2-Trichloroethane

Concen: 179.864 ug/l

RT: 10.77 min Scan# 1506

Delta R.T. -0.02 min

Lab File: VW003314.D

Acq: 16 Jun 2018 00:54

Tgt Ion: 97 Resp: 297342

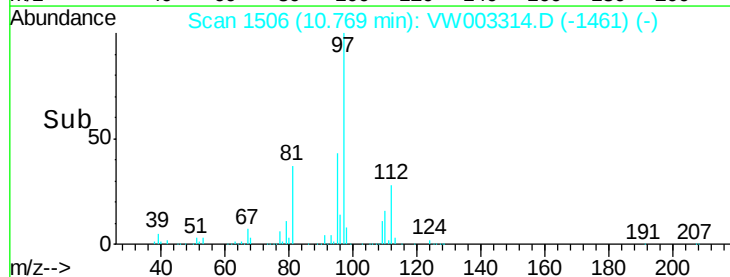
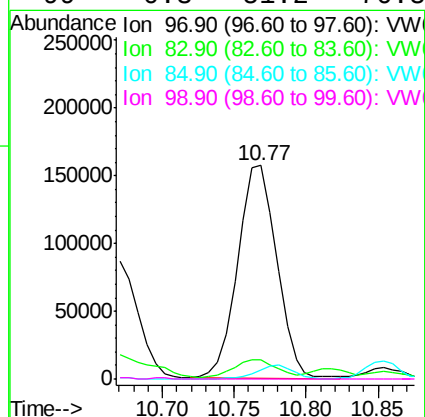
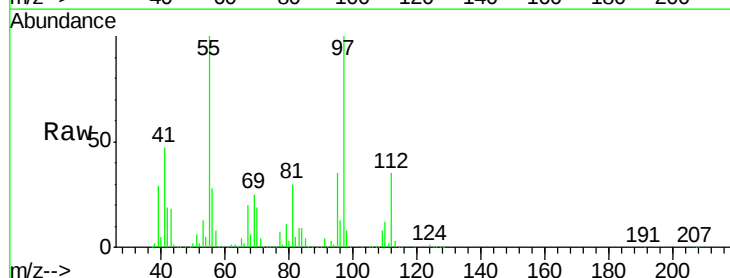
Ion Ratio Lower Upper

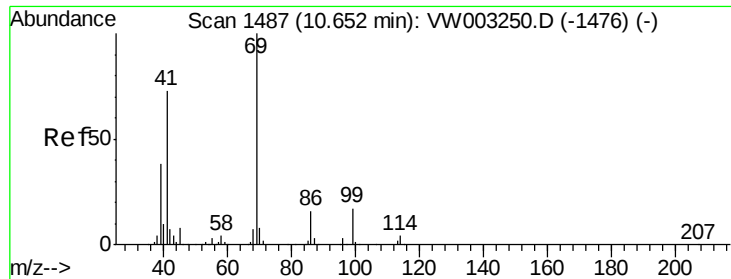
97 100

83 7.9 70.2 105.2#

85 4.4 45.6 68.4#

99 0.3 51.2 76.8#





#56

Ethyl methacrylate

Concen: 36.930 ug/l

RT: 10.67 min Scan# 1490

Delta R.T. 0.02 min

Lab File: VW003314.D

Acq: 16 Jun 2018 00:54

Instrument :

MSVOA_W

ClientSampled :

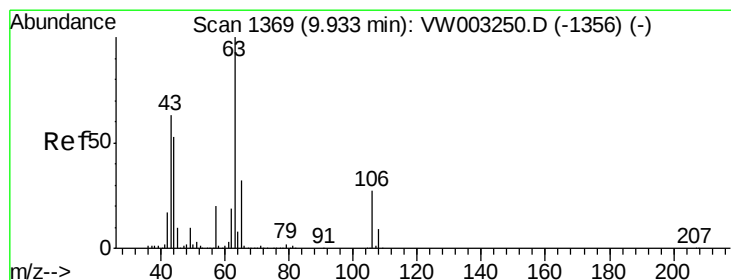
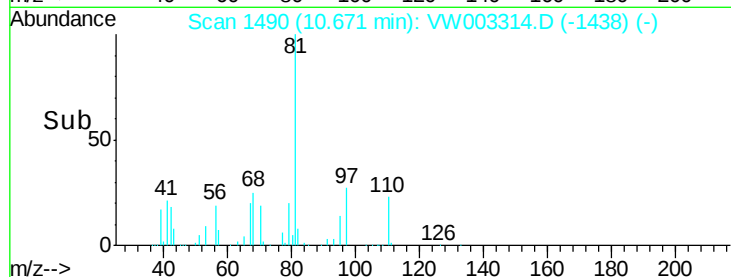
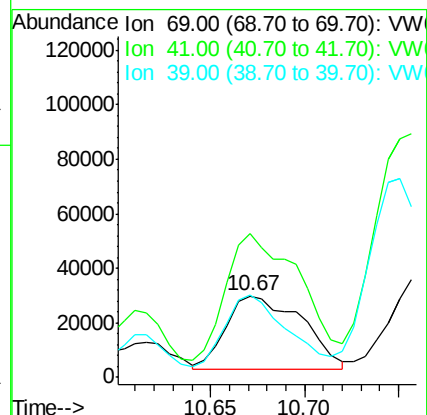
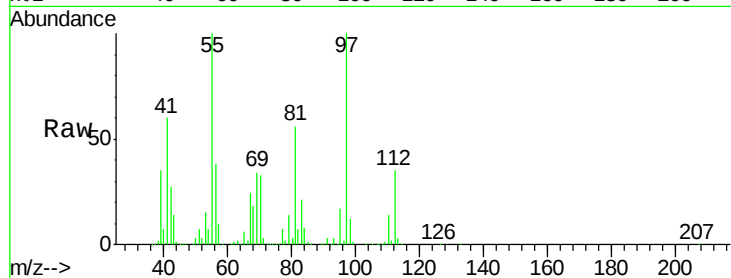
Tot Ion: 69 Resp: 74135

Ion Ratio Lower Upper

69 100

41 174.1 57.8 86.6#

39 80.2 32.7 49.1#



#58

2-Chloroethyl Vinyl ether

Concen: 11.443 ug/l

RT: 9.91 min Scan# 1365

Delta R.T. -0.02 min

Lab File: VW003314.D

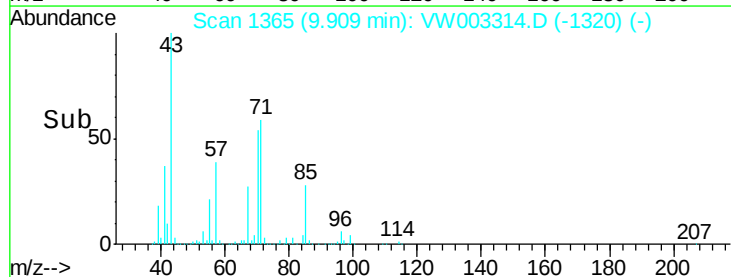
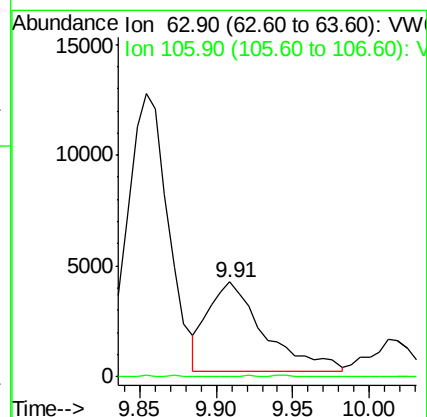
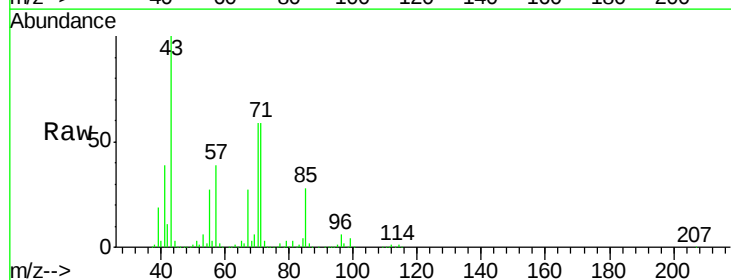
Acq: 16 Jun 2018 00:54

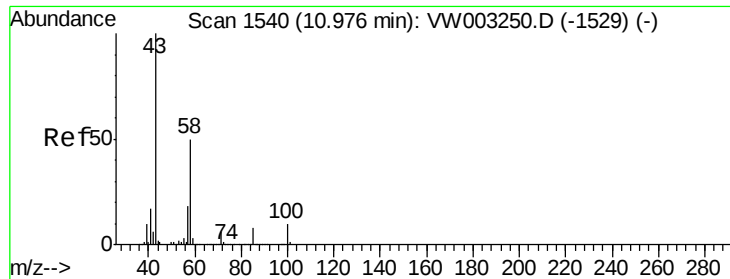
Tgt Ion: 63 Resp: 10298

Ion Ratio Lower Upper

63 100

106 0.2 21.8 32.8#

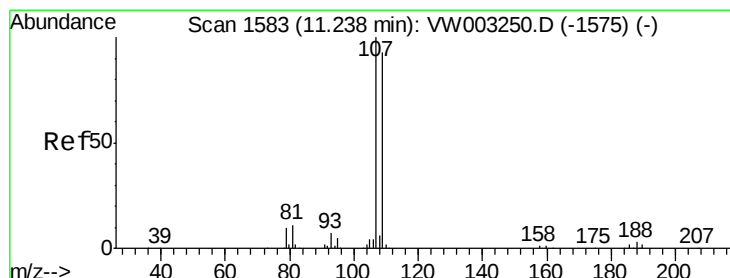
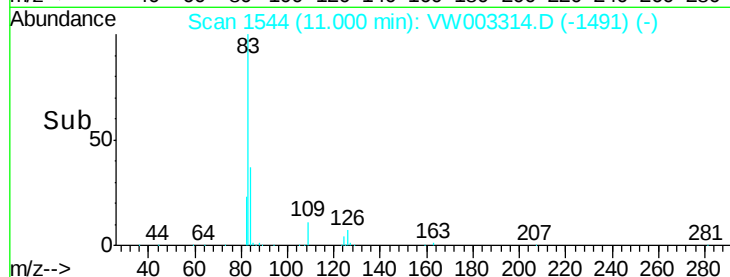
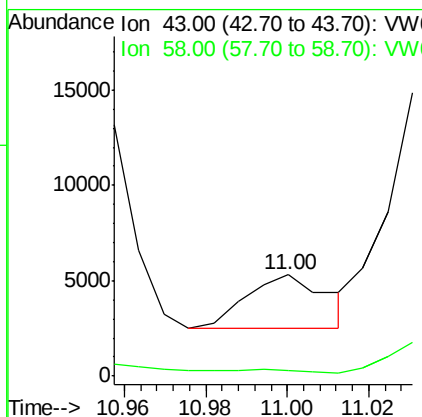
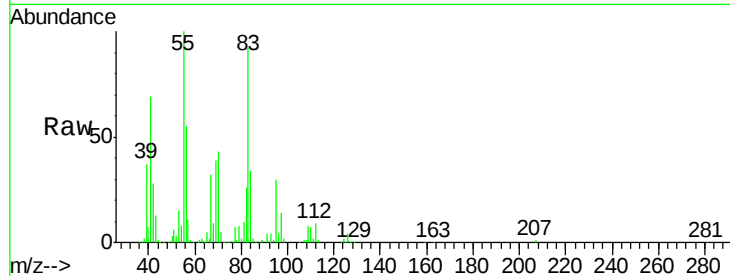




#59
2-Hexanone
Concen: 4.081 ug/l
RT: 11.00 min Scan# 1544
Delta R.T. 0.02 min
Lab File: VW003314.D
Acq: 16 Jun 2018 00:54

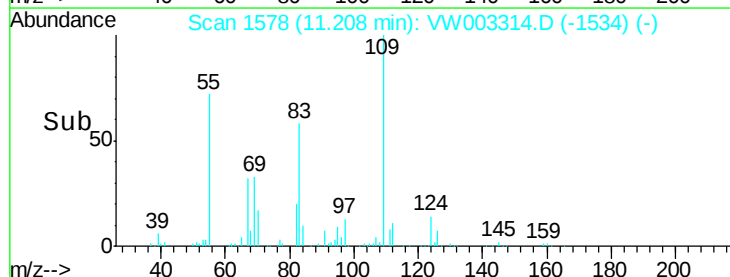
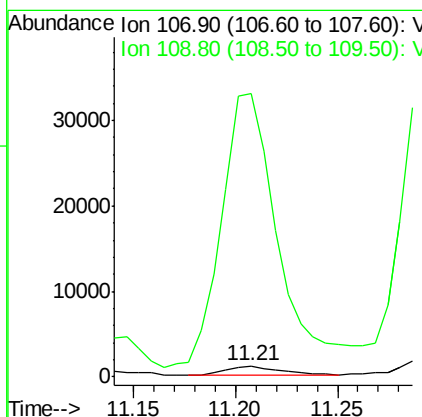
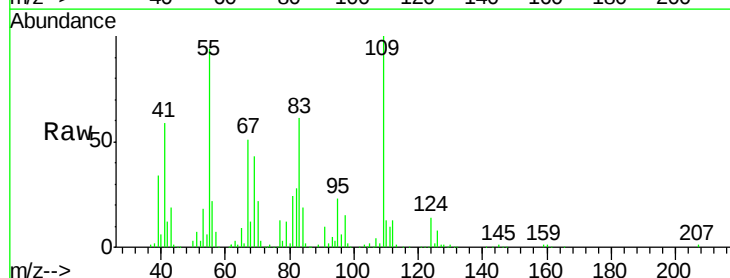
Instrument :
MSVOA_W
ClientSampled :

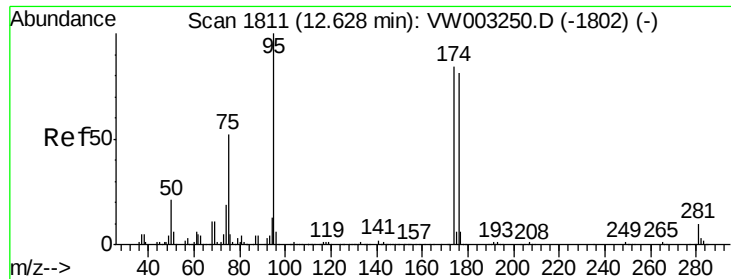
Tot Ion: 43 Resp: 3902
Ion Ratio Lower Upper
43 100
58 0.0 25.0 75.0#



#61
1,2-Dibromoethane
Concen: 1.150 ug/l
RT: 11.21 min Scan# 1578
Delta R.T. -0.03 min
Lab File: VW003314.D
Acq: 16 Jun 2018 00:54

Tgt Ion: 107 Resp: 1799
Ion Ratio Lower Upper
107 100
109 3508.5 75.8 113.6#





#62

4-Bromofluorobenzene

Concen: 45.982 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.01 min

Lab File: VW003314.D

Acq: 16 Jun 2018 00:54

Instrument :

MSVOA_W

ClientSampled :

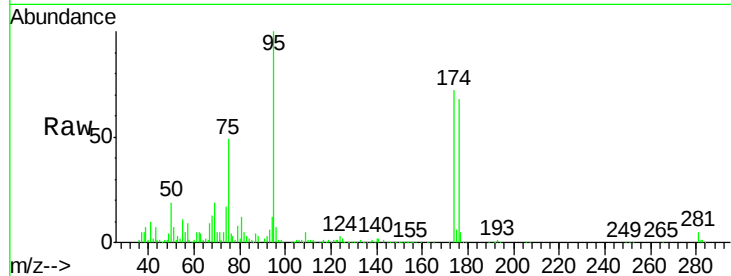
Tot Ion: 95 Resp: 135547

Ion Ratio Lower Upper

95 100

174 71.2 0.0 166.4

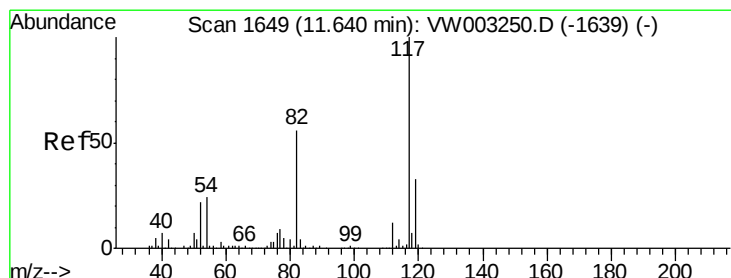
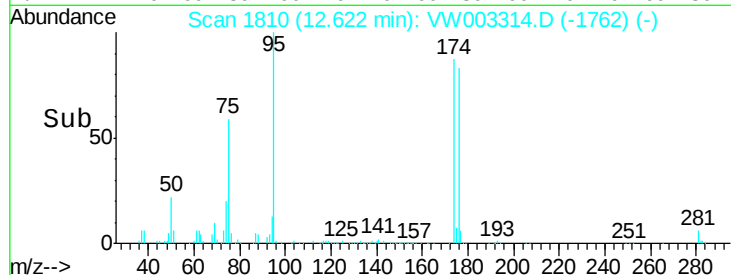
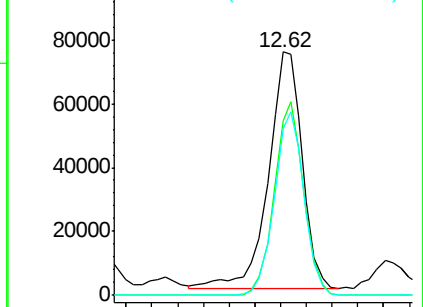
176 67.9 0.0 162.0



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VW003314.D

Acq: 16 Jun 2018 00:54

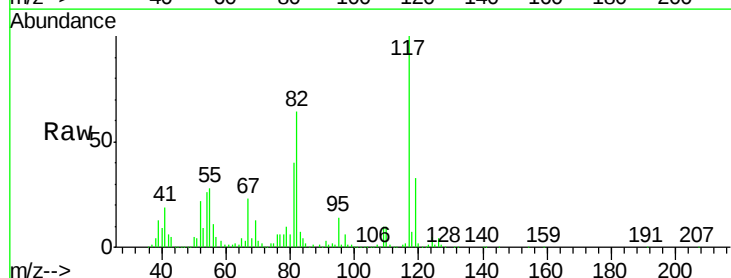
Tgt Ion: 117 Resp: 241331

Ion Ratio Lower Upper

117 100

82 61.0 44.6 67.0

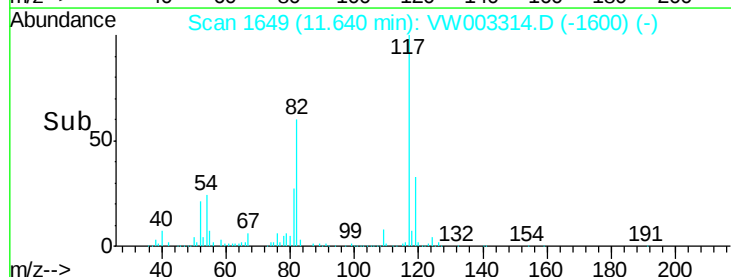
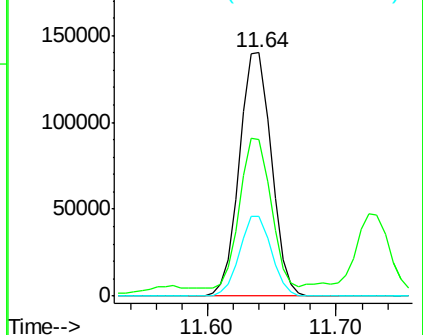
119 32.6 26.7 40.1

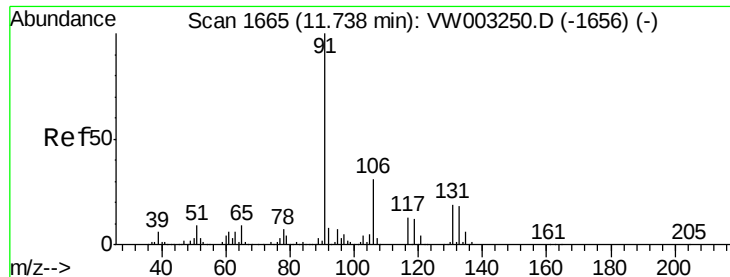


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#67

Ethyl Benzene

Concen: 5.602 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW003314.D

Acq: 16 Jun 2018 00:54

Instrument :

MSVOA_W

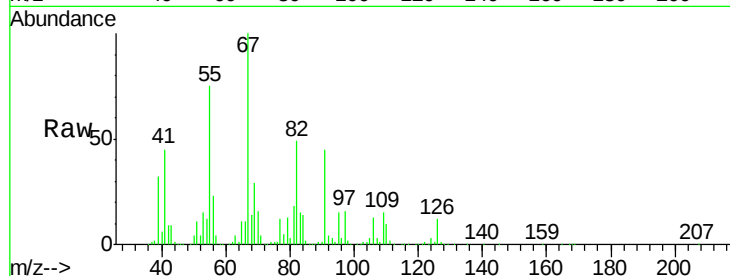
ClientSampled :

Tot Ion: 91 Resp: 49903

Ion Ratio Lower Upper

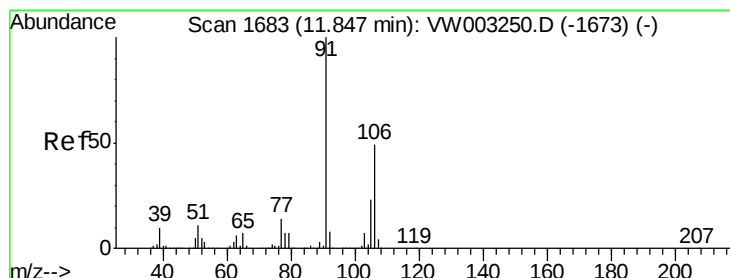
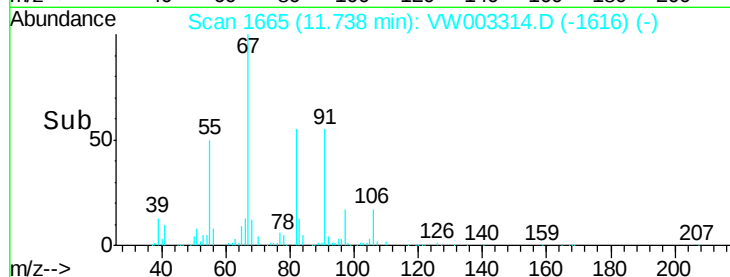
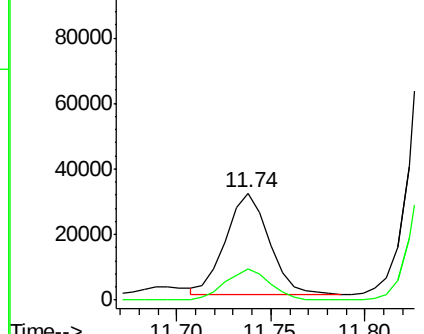
91 100

106 30.1 24.7 37.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 44.377 ug/l

RT: 11.84 min Scan# 1682

Delta R.T. -0.01 min

Lab File: VW003314.D

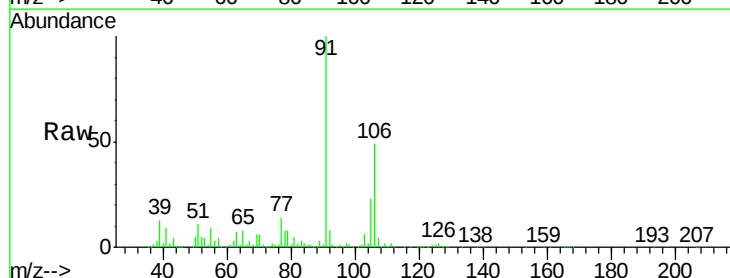
Acq: 16 Jun 2018 00:54

Tgt Ion: 106 Resp: 150279

Ion Ratio Lower Upper

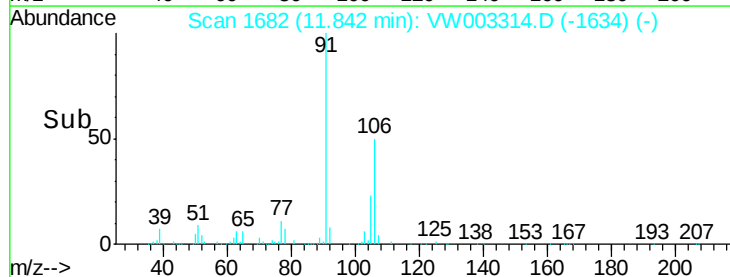
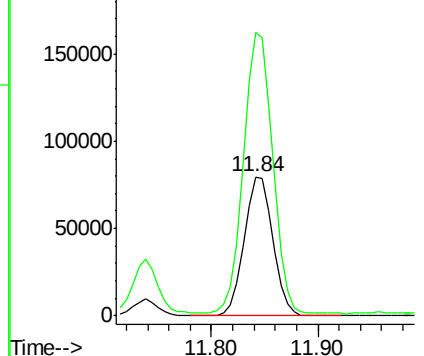
106 100

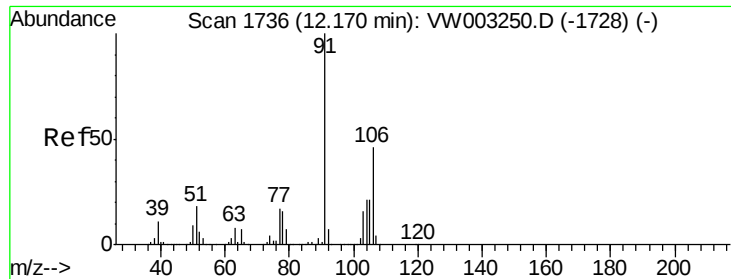
91 207.3 165.4 248.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

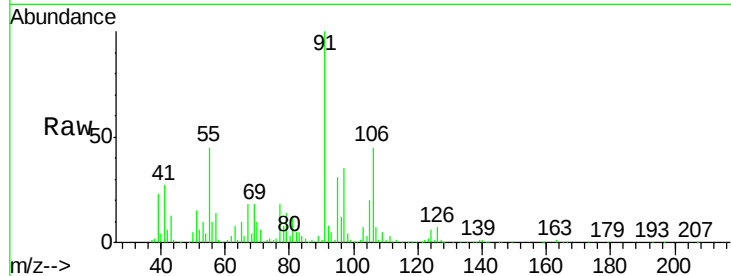




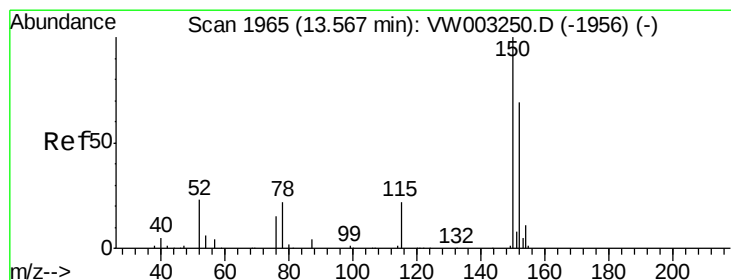
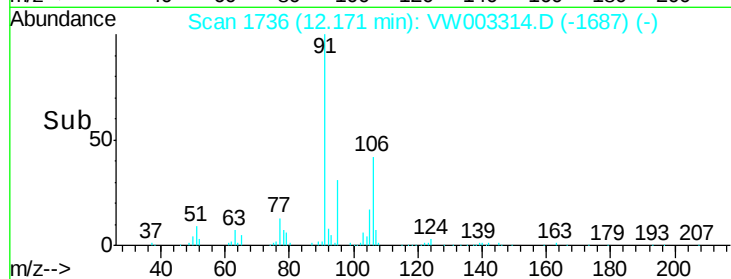
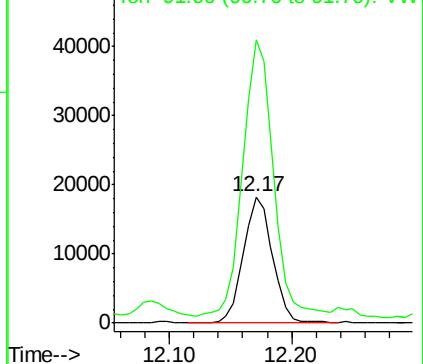
#69
o-Xylene
Concen: 9.520 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW003314.D
Acq: 16 Jun 2018 00:54

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:106 Resp: 29877
Ion Ratio Lower Upper
106 100
91 232.6 108.6 325.6

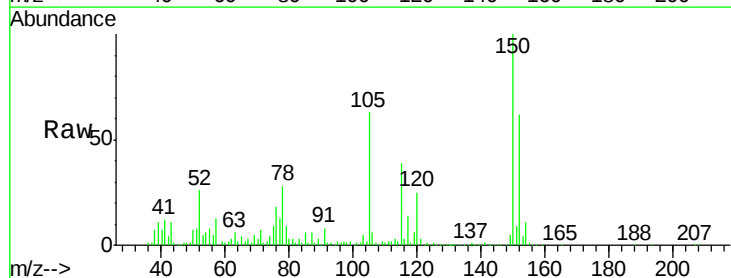


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV

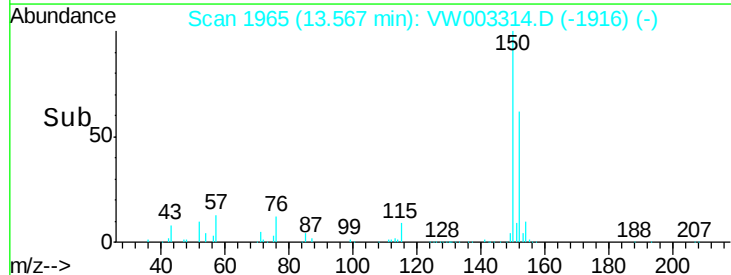
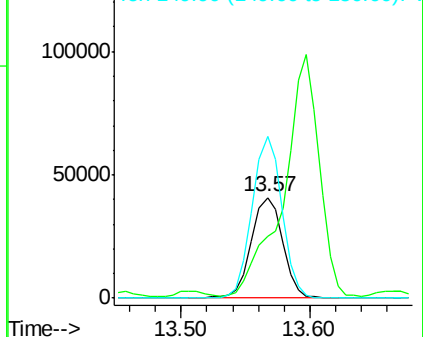


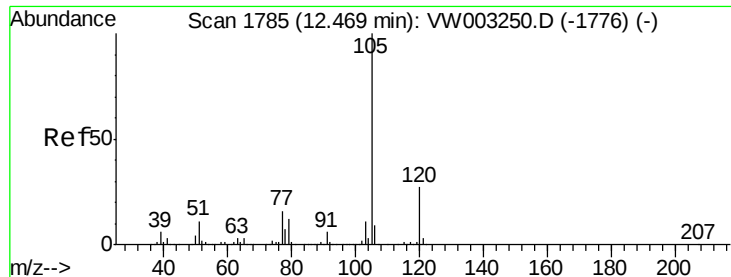
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW003314.D
Acq: 16 Jun 2018 00:54

Tgt Ion:152 Resp: 67320
Ion Ratio Lower Upper
152 100
115 0.0 29.3 88.0#
150 155.1 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: 194.047 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW003314.D

Acq: 16 Jun 2018 00:54

Instrument :

MSVOA_W

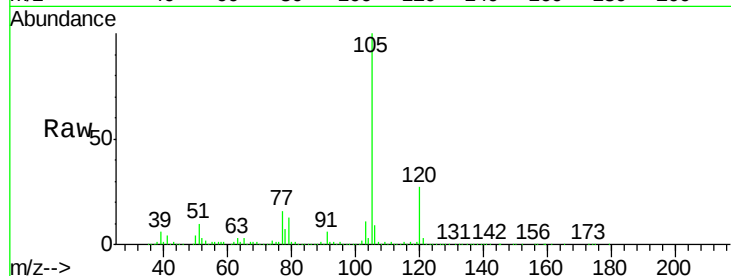
ClientSampleId :

Tot Ion:105 Resp: 908604

Ion Ratio Lower Upper

105 100

120 26.4 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.47

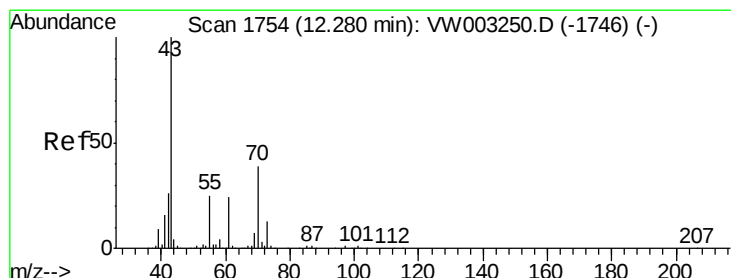
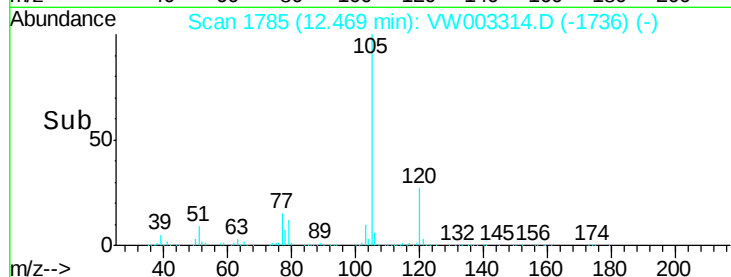
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 17.330 ug/l

RT: 12.26 min Scan# 1750

Delta R.T. -0.02 min

Lab File: VW003314.D

Acq: 16 Jun 2018 00:54

Tgt Ion: 43 Resp: 18470

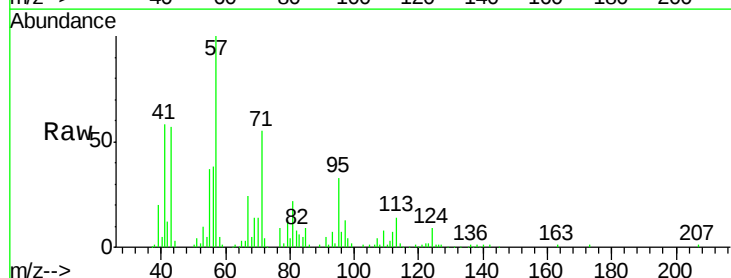
Ion Ratio Lower Upper

43 100

70 12.9 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): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

25000

20000

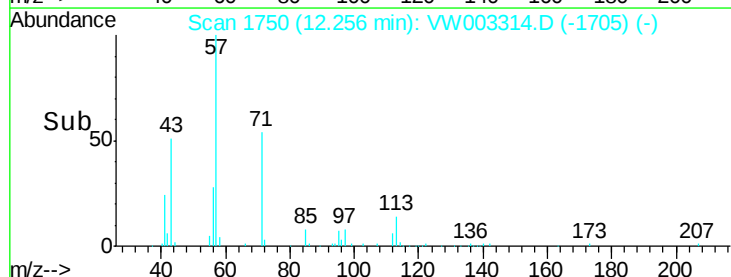
15000

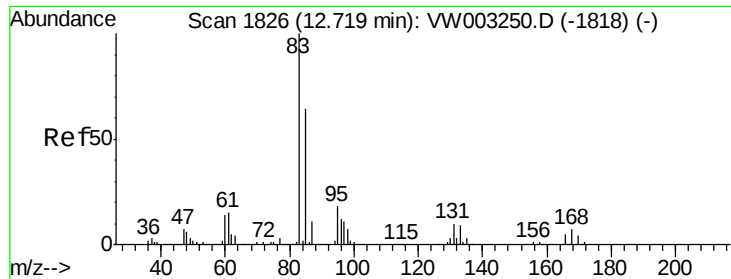
10000

5000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 4.343 ug/l

RT: 12.70 min Scan# 1823

Delta R.T. -0.02 min

Lab File: VW003314.D

Acq: 16 Jun 2018 00:54

Instrument :

MSVOA_W

ClientSampled :

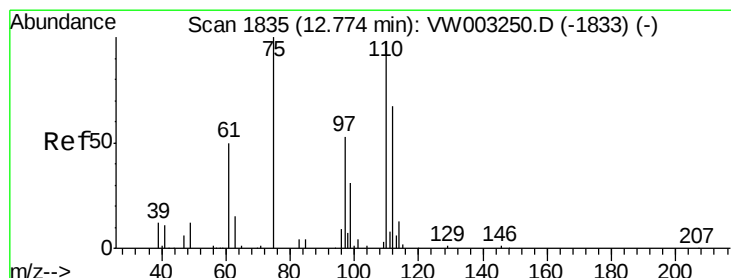
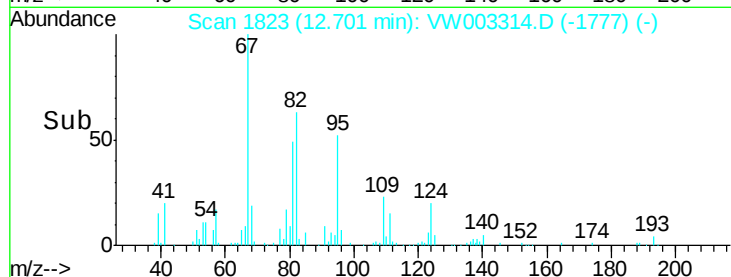
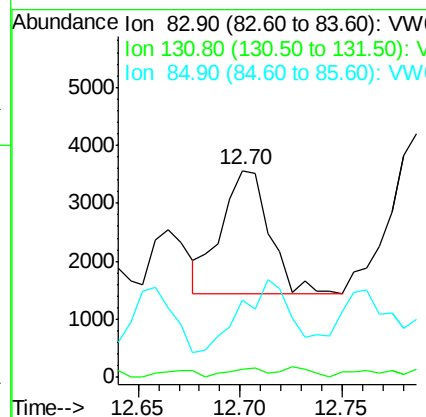
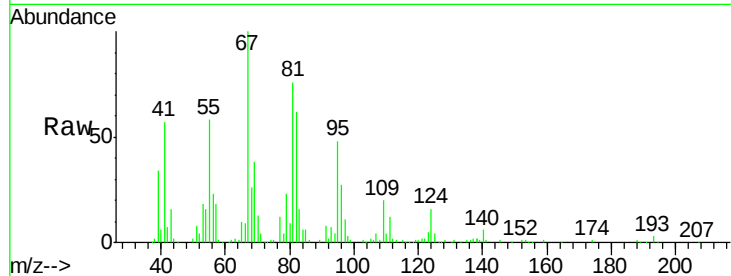
Tot Ion: 83 Resp: 3440

Ion Ratio Lower Upper

83 100

131 5.6 5.4 16.2

85 62.5 31.9 95.7



#76

1,2,3-Trichloropropane

Concen: 21.190 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.04 min

Lab File: VW003314.D

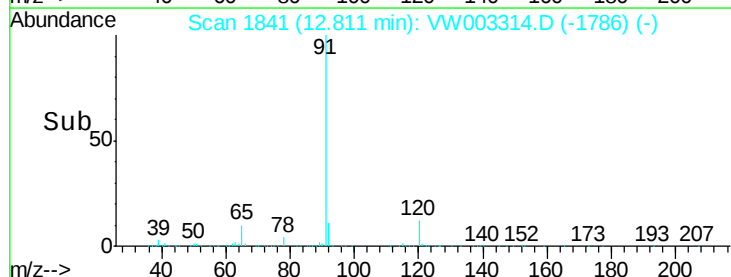
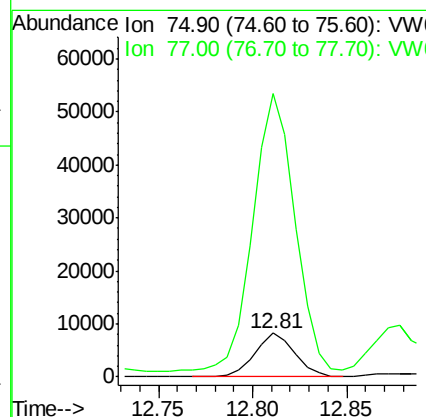
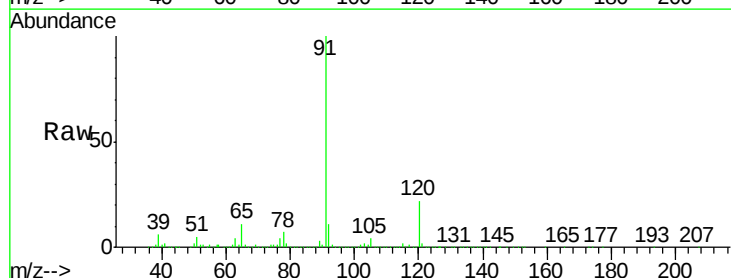
Acq: 16 Jun 2018 00:54

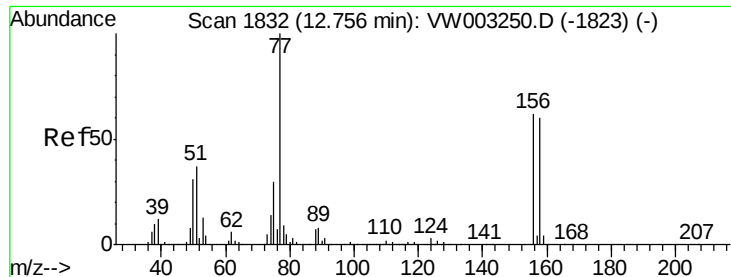
Tgt Ion: 75 Resp: 12195

Ion Ratio Lower Upper

75 100

77 659.6 0.0 0.0#





#77

Bromobenzene

Concen: 9.841 ug/l

RT: 12.96 min Scan# 1865

Delta R.T. 0.20 min

Lab File: VW003314.D

Acq: 16 Jun 2018 00:54

Instrument :

MSVOA_W

ClientSampled :

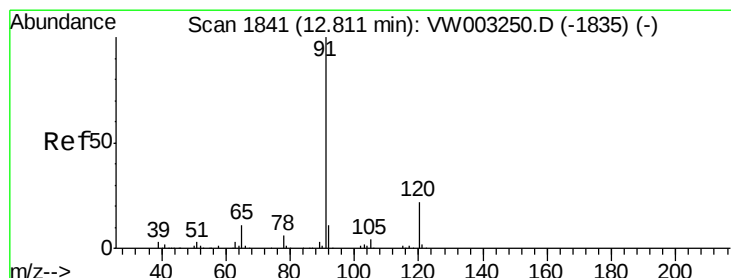
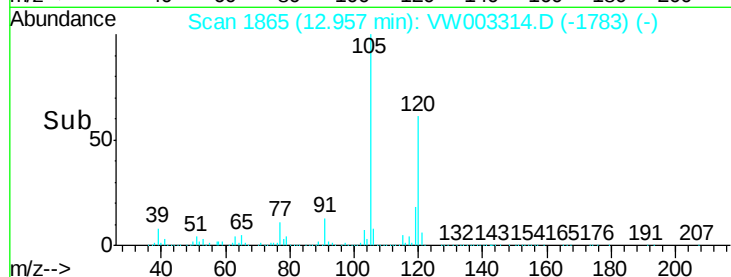
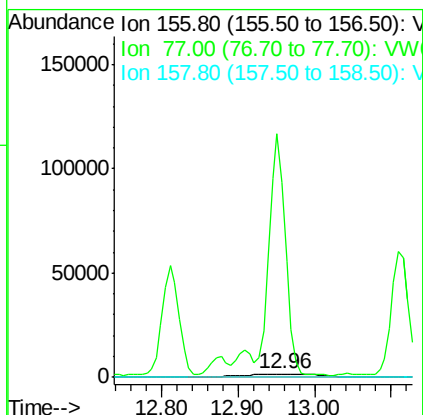
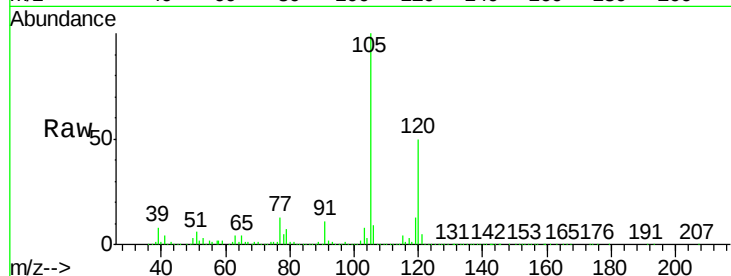
Tot Ion:156 Resp: 10731

Ion Ratio Lower Upper

156 100

77 1598.0 92.3 276.9#

158 0.8 47.5 142.6#



#78

n-propylbenzene

Concen: 343.384 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW003314.D

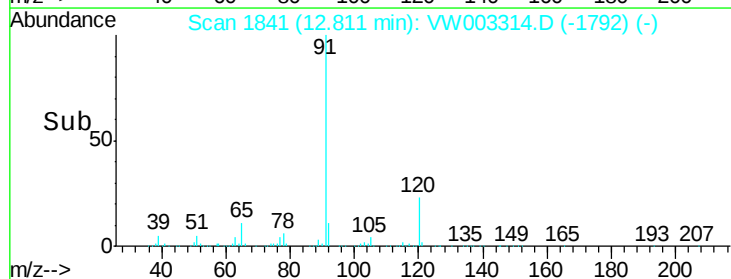
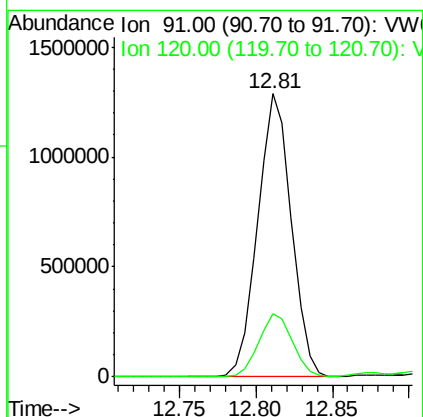
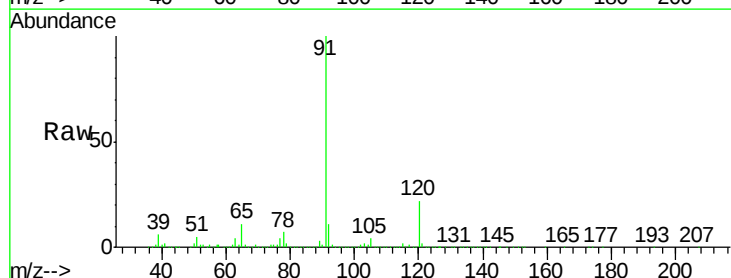
Acq: 16 Jun 2018 00:54

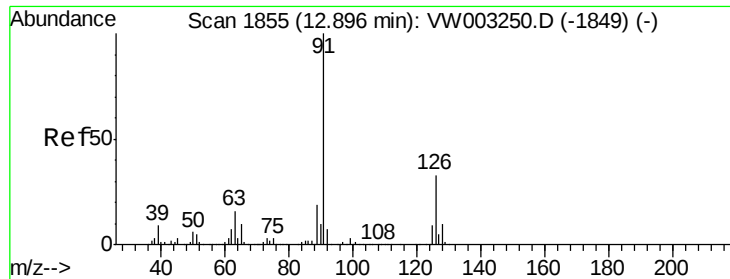
Tgt Ion: 91 Resp: 1968794

Ion Ratio Lower Upper

91 100

120 22.5 11.3 33.8

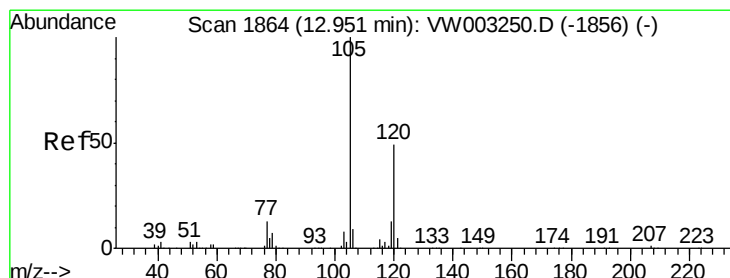
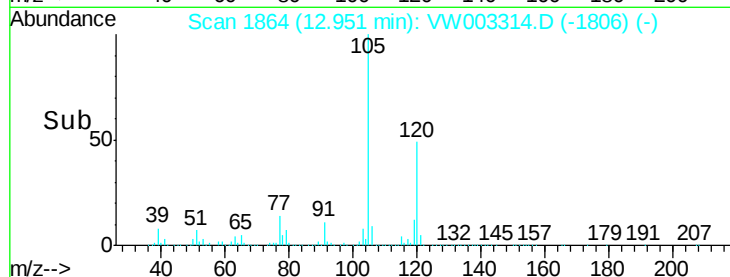
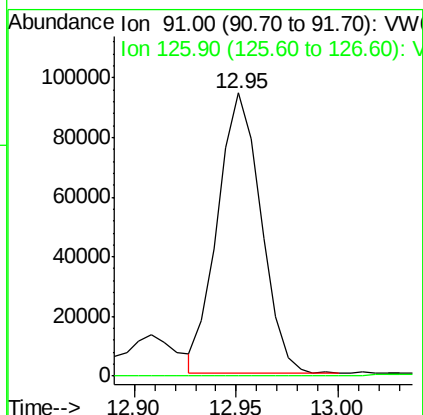
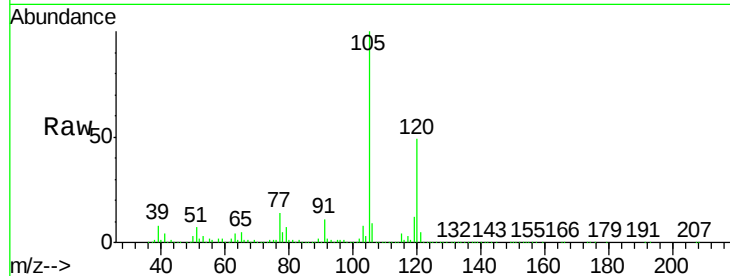




#79
 2-Chlorotoluene
 Concen: 42.721 ug/l
 RT: 12.95 min Scan# 1864
 Delta R.T. 0.06 min
 Lab File: VW003314.D
 Acq: 16 Jun 2018 00:54

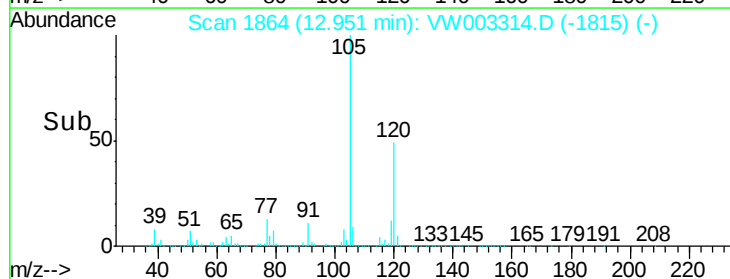
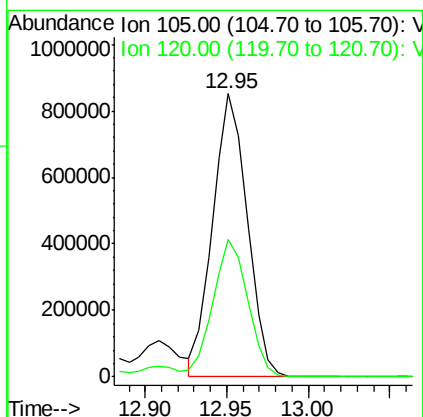
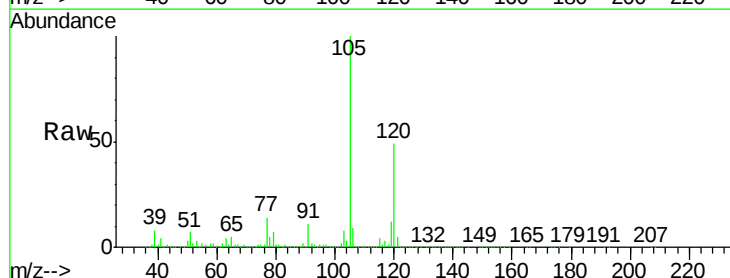
Instrument :
 MSVOA_W
 ClientSampled :

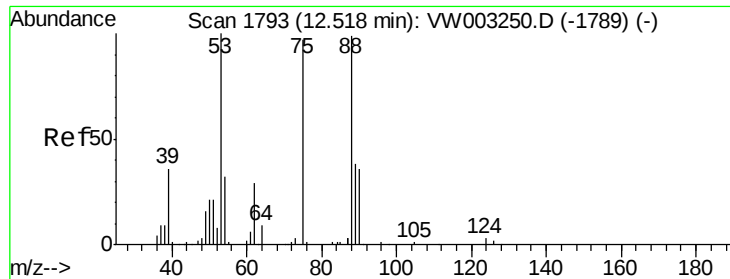
Tot Ion: 91 Resp: 138422
 Ion Ratio Lower Upper
 91 100
 126 0.3 16.8 50.4#



#80
 1,3,5-Trimethylbenzene
 Concen: 319.125 ug/l
 RT: 12.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VW003314.D
 Acq: 16 Jun 2018 00:54

Tgt Ion: 105 Resp: 1254246
 Ion Ratio Lower Upper
 105 100
 120 49.3 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 45.952 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. -0.05 min

Lab File: VW003314.D

Acq: 16 Jun 2018 00:54

Instrument :

MSVOA_W

ClientSampleId :

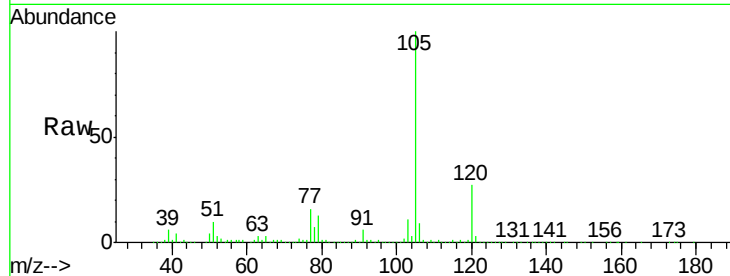
Tot Ion: 75 Resp: 11493

Ion Ratio Lower Upper

75 100

53 139.3 82.9 124.3#

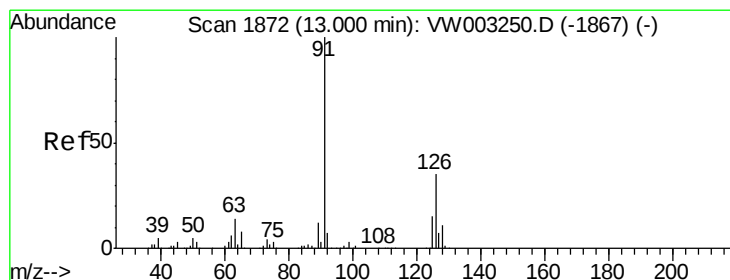
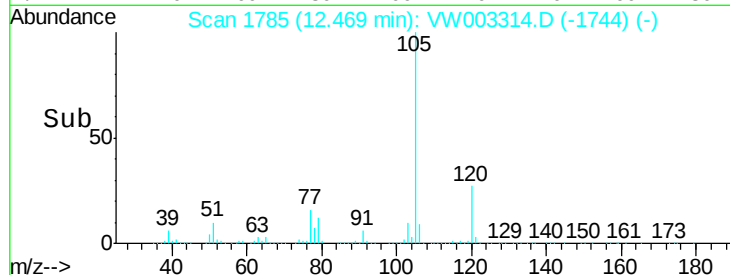
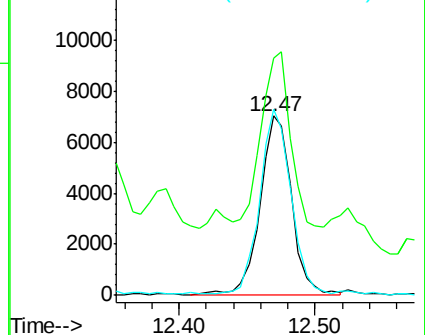
89 100.4 36.7 55.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 40.272 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. -0.05 min

Lab File: VW003314.D

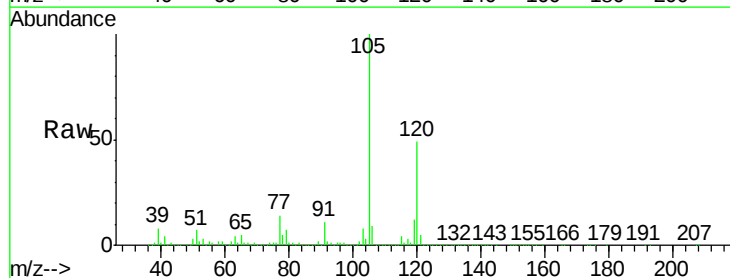
Acq: 16 Jun 2018 00:54

Tgt Ion: 91 Resp: 138422

Ion Ratio Lower Upper

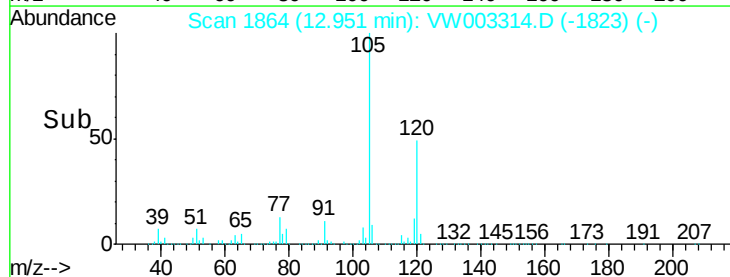
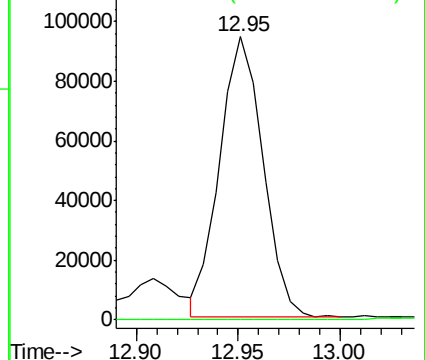
91 100

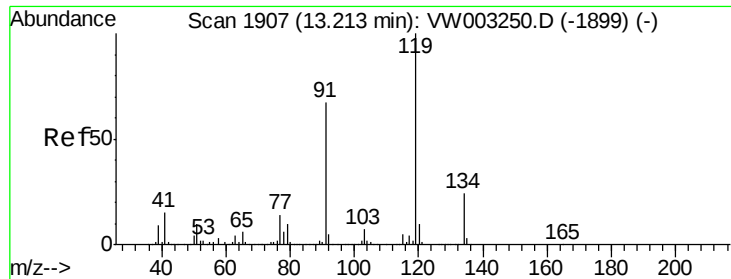
126 0.3 16.8 50.3#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

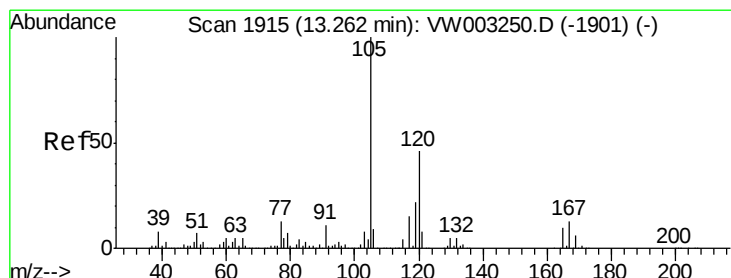
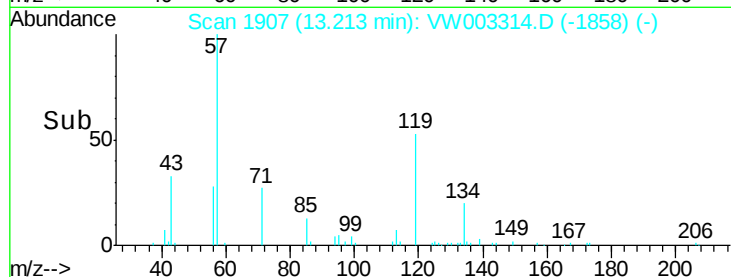
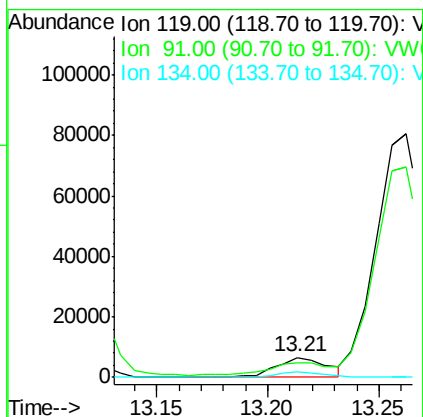
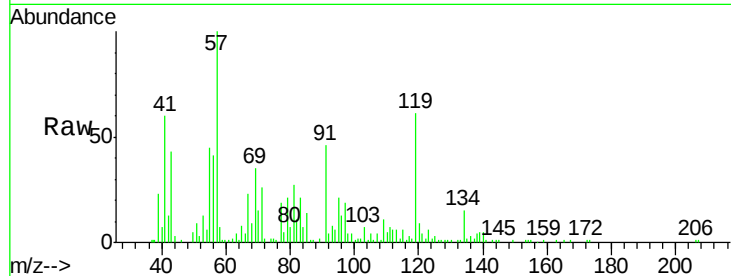




#83
tert-Butylbenzene
Concen: 3.017 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. 0.00 min
Lab File: VW003314.D
Acq: 16 Jun 2018 00:54

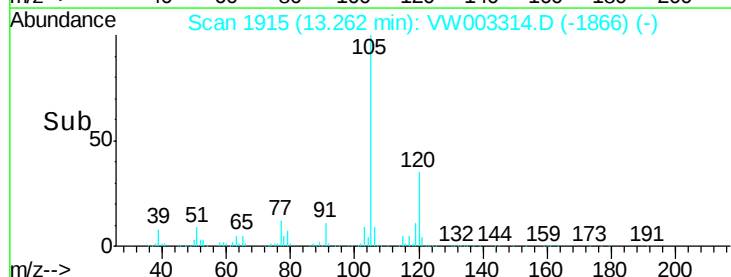
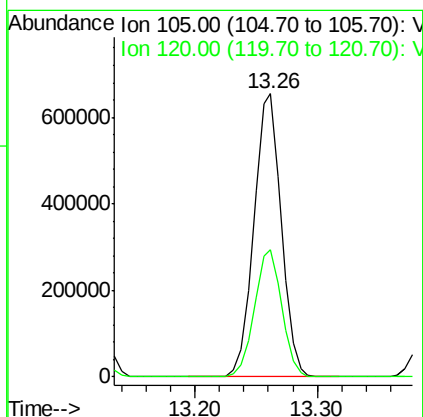
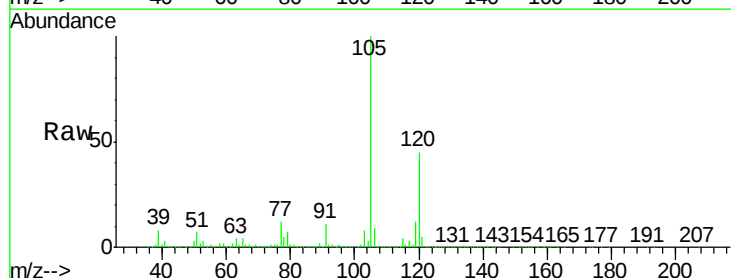
Instrument :
MSVOA_W
ClientSampleId :

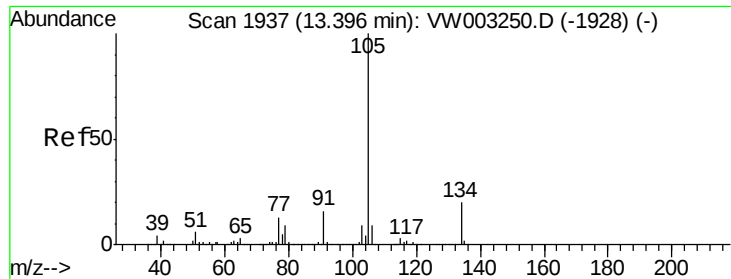
Tot Ion:119 Resp: 10106
Ion Ratio Lower Upper
119 100
91 69.1 33.9 101.7
134 29.2 13.4 40.1



#84
1,2,4-Trimethylbenzene
Concen: 251.241 ug/l
RT: 13.26 min Scan# 1915
Delta R.T. 0.00 min
Lab File: VW003314.D
Acq: 16 Jun 2018 00:54

Tgt Ion:105 Resp: 1015749
Ion Ratio Lower Upper
105 100
120 45.0 22.5 67.5





#85

sec-Butylbenzene

Concen: 42.872 ug/l

RT: 13.39 min Scan# 1936

Delta R.T. -0.01 min

Lab File: VW003314.D

Acq: 16 Jun 2018 00:54

Instrument :

MSVOA_W

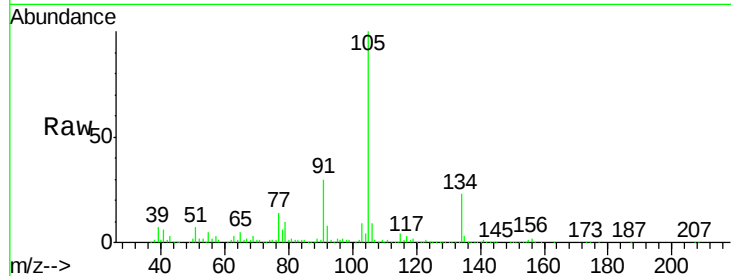
ClientSampled :

Tot Ion:105 Resp: 213445

Ion Ratio Lower Upper

105 100

134 37.5 9.8 29.5#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.39

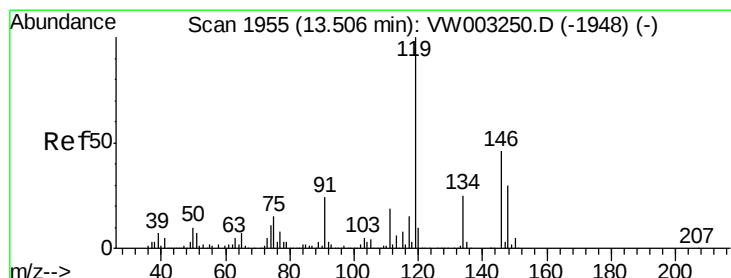
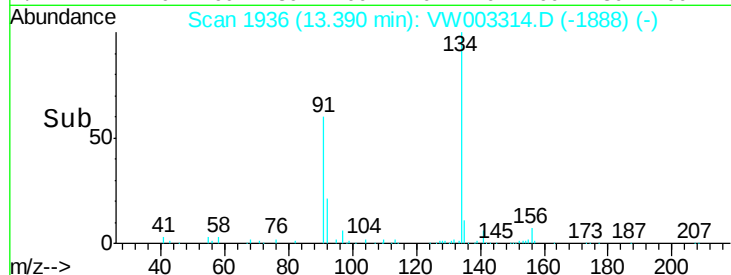
150000

100000

50000

0

Time--> 13.30 13.35 13.40 13.45



#86

p-Isopropyltoluene

Concen: 9.793 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW003314.D

Acq: 16 Jun 2018 00:54

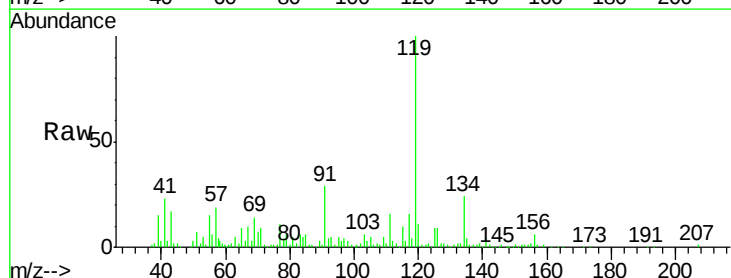
Tgt Ion:119 Resp: 43004

Ion Ratio Lower Upper

119 100

134 27.4 12.9 38.7

91 27.7 11.8 35.3



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

300000

250000

200000

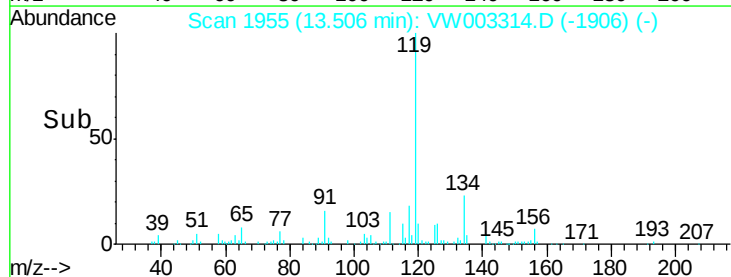
150000

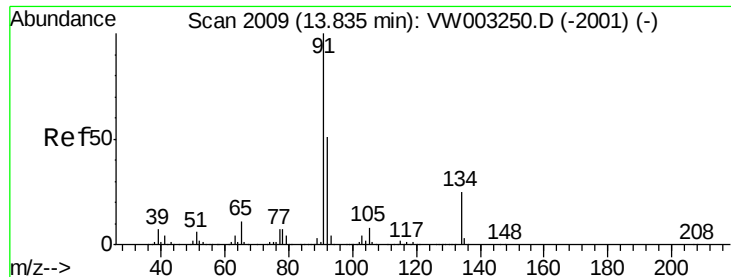
100000

50000

0

Time--> 13.45 13.50 13.55

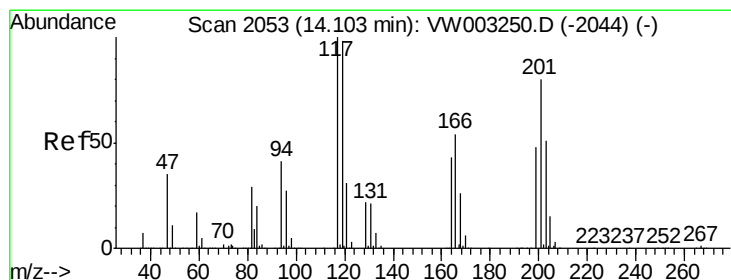
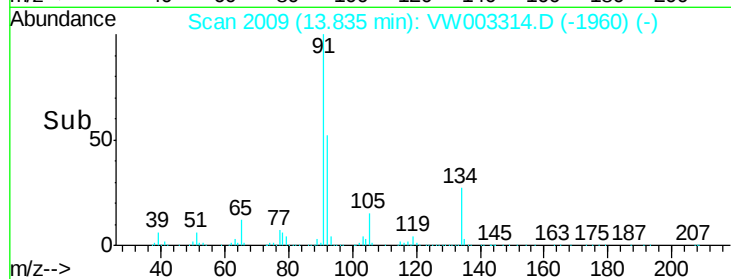
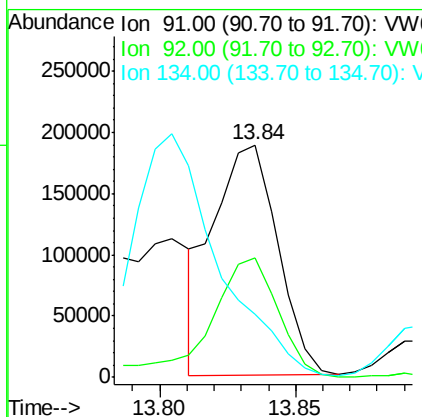
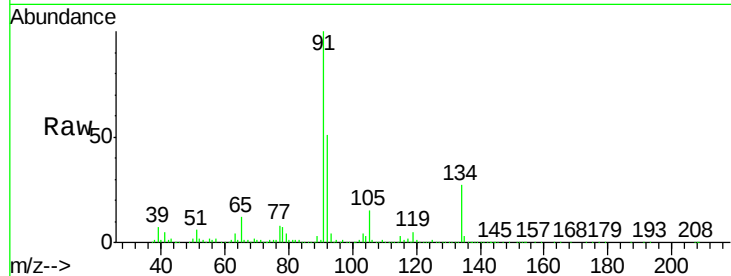




#89
n-Butylbenzene
Concen: 71.924 ug/l
RT: 13.84 min Scan# 2009
Delta R.T. 0.00 min
Lab File: VW003314.D
Acq: 16 Jun 2018 00:54

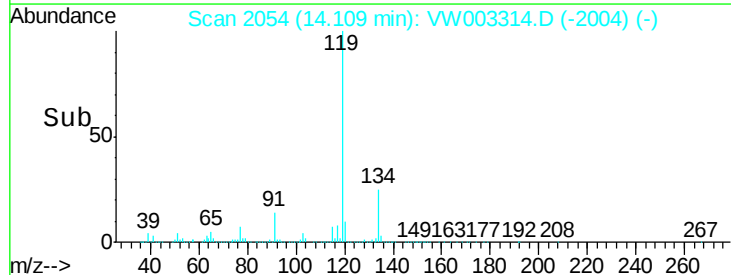
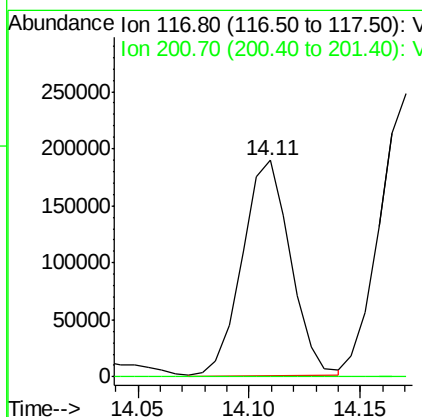
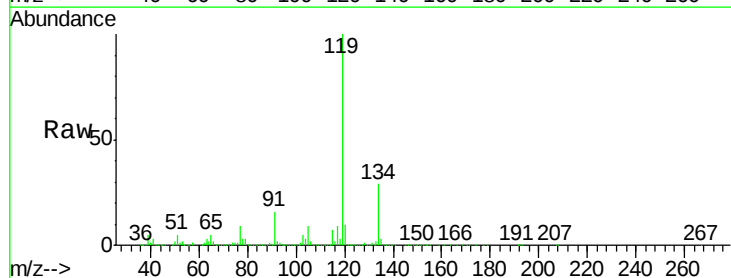
Instrument :
MSVOA_W
ClientSampled :

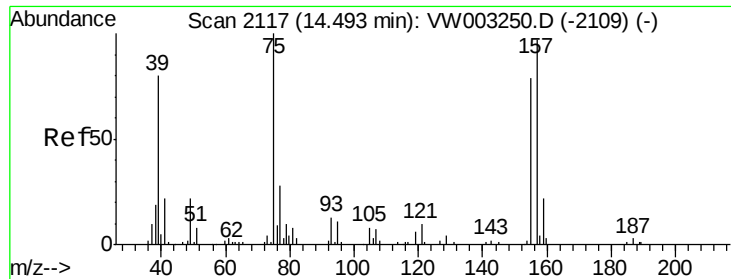
Tot Ion: 91 Resp: 307856
Ion Ratio Lower Upper
91 100
92 53.3 26.0 78.0
134 0.0 12.7 38.0#



#90
Hexachloroethane
Concen: 359.375 ug/l
RT: 14.11 min Scan# 2054
Delta R.T. 0.01 min
Lab File: VW003314.D
Acq: 16 Jun 2018 00:54

Tgt Ion: 117 Resp: 285469
Ion Ratio Lower Upper
117 100
201 0.0 39.5 118.5#





#92

1,2-Dibromo-3-Chloropropane

Concen: 42.233 ug/l

RT: 14.47 min Scan# 2113

Delta R.T. -0.02 min

Lab File: VW003314.D

Acq: 16 Jun 2018 00:54

Instrument :

MSVOA_W

ClientSampleId :

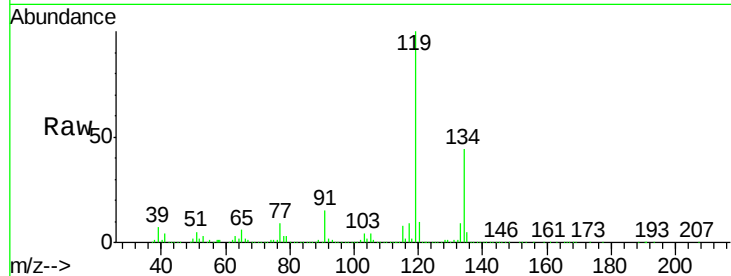
Tot Ion: 75 Resp: 5630

Ion Ratio Lower Upper

75 100

155 0.9 39.4 118.2#

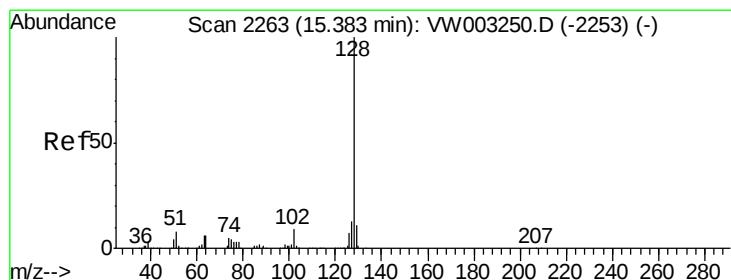
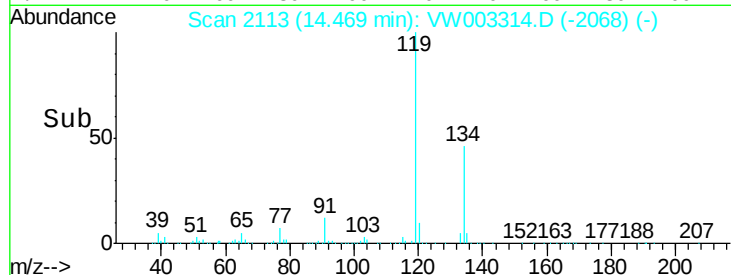
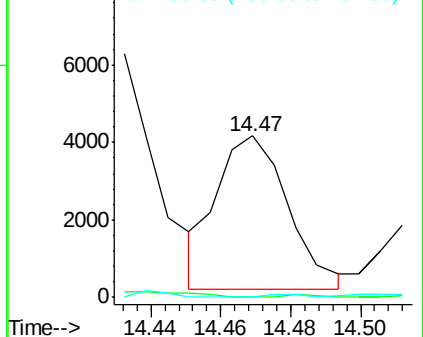
157 1.1 51.5 154.5#



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: 77.974 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. -0.01 min

Lab File: VW003314.D

Acq: 16 Jun 2018 00:54

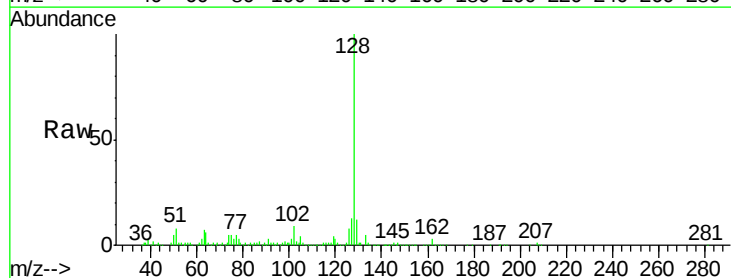
Tgt Ion:128 Resp: 182208

Ion Ratio Lower Upper

128 100

127 12.8 10.5 15.7

129 10.6 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

