

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061518\
 Data File : VW003312.D
 Acq On : 16 Jun 2018 00:02
 Operator : SY/AP
 Sample : J3523-02
 Misc : 4.30G/5ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 16 03:51:27 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	171957	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	287076	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	204712	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	55743	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	125749	67.51	ug/l	0.00
Spiked Amount			Recovery	=	135.02%	
35) Dibromofluoromethane	7.89	113	1115	0.63	ug/l	0.00
Spiked Amount			Recovery	=	1.26%	
50) Toluene-d8	10.33	98	411636	58.20	ug/l	0.00
Spiked Amount			Recovery	=	116.40%	
62) 4-Bromofluorobenzene	12.62	95	99156	39.61	ug/l	0.00
Spiked Amount			Recovery	=	79.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.27	59	2811	28.141	ug/l #	84
12) 1,1-Dichloroethene	4.04	96	3086	1.982	ug/l #	87
15) Acrylonitrile	5.43	53	4458	12.858	ug/l #	42
16) Acetone	4.15	43	46619	119.342	ug/l	98
17) Carbon Disulfide	4.37	76	26536	5.766	ug/l	97
18) Methyl Acetate	4.95	43	116623	125.847	ug/l #	52
19) Methyl tert-butyl Ether	5.42	73	11382	3.904	ug/l #	1
20) Methylene Chloride	4.92	84	19266	8.569	ug/l	89
25) 2-Butanone	7.19	43	17606	36.245	ug/l #	88
29) Tetrahydrofuran	7.53	42	1090	3.672	ug/l #	43
31) Cyclohexane	7.95	56	54983	18.269	ug/l #	87
36) 1,1-Dichloropropene	7.95	75	13680	4.934	ug/l #	56
37) Ethyl Acetate	7.19	43	17606	15.329	ug/l #	77
38) Carbon Tetrachloride	7.95	117	16912	6.219	ug/l #	16
39) Methylcyclohexane	9.34	83	131112	40.872	ug/l	94
40) Benzene	8.33	78	52127	6.821	ug/l	97
41) Methacrylonitrile	7.54	41	6963	9.879	ug/l #	50
43) Isopropyl Acetate	8.43	43	8064	3.536	ug/l #	53
45) 1,2-Dichloropropane	9.34	63	2253	1.158	ug/l #	1
47) Bromodichloromethane	9.62	83	3739	1.464	ug/l #	41
48) Methyl methacrylate	9.47	41	4198	3.917	ug/l #	12
51) 4-Methyl-2-Pentanone	10.25	43	12846	11.054	ug/l #	76
52) Toluene	10.39	92	319713	65.241	ug/l	99
55) 1,1,2-Trichloroethane	10.77	97	357749	254.850	ug/l #	19
56) Ethyl methacrylate	10.67	69	73523	43.132	ug/l #	1
59) 2-Hexanone	10.94	43	193601	238.480	ug/l #	32
64) Tetrachloroethene	10.87	164	4470	3.265	ug/l	93
67) Ethyl Benzene	11.74	91	4684211	619.881	ug/l	99
68) m/p-Xylenes	11.84	106	9672293	3367.145	ug/l	81
69) o-Xylene	12.17	106	2110818	792.884	ug/l	100
70) Styrene	12.18	104	115219	26.002	ug/l #	1
73) Isopropylbenzene	12.47	105	179266	46.236	ug/l	96
74) N-amyl acetate	12.26	43	98376	111.476	ug/l #	45
75) 1,1,2,2-Tetrachloroethane	12.71	83	6563	10.006	ug/l #	67

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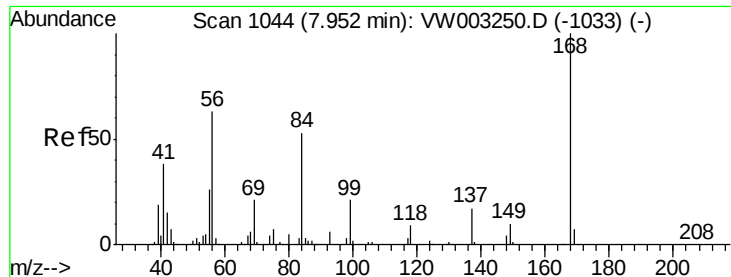
Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 16 03:51:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

76) 1,2,3-Trichloropropane	12.81	75	2320	4.868	ug/l #	100
78) n-propylbenzene	12.81	91	305312	64.310	ug/l	100
79) 2-Chlorotoluene	12.87	91	115719	43.132	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.95	105	638815	196.294	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.47	75	2947	14.230	ug/l #	1
82) 4-Chlorotoluene	12.95	91	66302	23.296	ug/l #	44
83) tert-Butylbenzene	13.22	119	11505	4.148	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	1421543	424.636	ug/l	100
85) sec-Butylbenzene	13.40	105	79456	19.274	ug/l #	75
86) p-Isopropyltoluene	13.51	119	79069	21.746	ug/l	99
88) 1,4-Dichlorobenzene	13.59	146	2018	1.094	ug/l #	1
89) n-Butylbenzene	13.83	91	67078	18.926	ug/l #	69
90) Hexachloroethane	14.11	117	38268	58.181	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	14.51	75	653	5.916	ug/l #	17
95) Naphthalene	15.38	128	256176	132.397	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003312.D

Acq: 16 Jun 2018 00:02

Instrument :

MSVOA_W

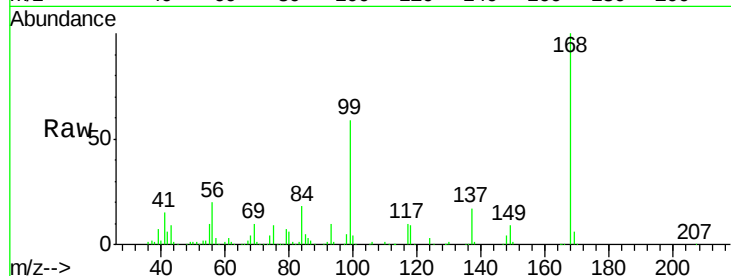
ClientSampled :

Tot Ion:168 Resp: 171957

Ion Ratio Lower Upper

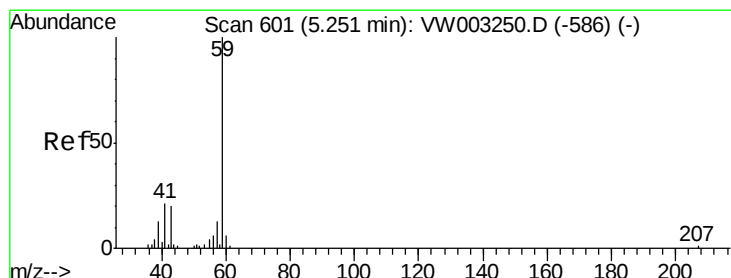
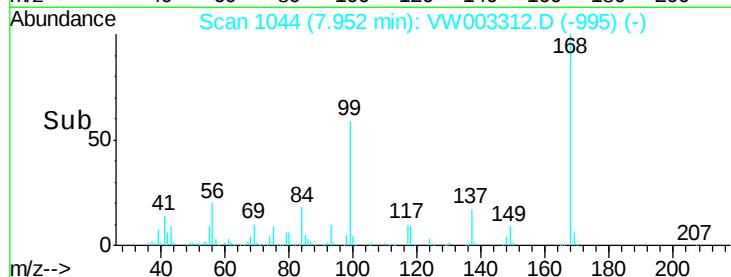
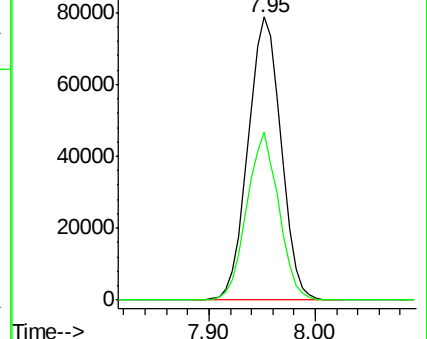
168 100

99 59.4 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: 28.141 ug/l

RT: 5.27 min Scan# 604

Delta R.T. 0.02 min

Lab File: VW003312.D

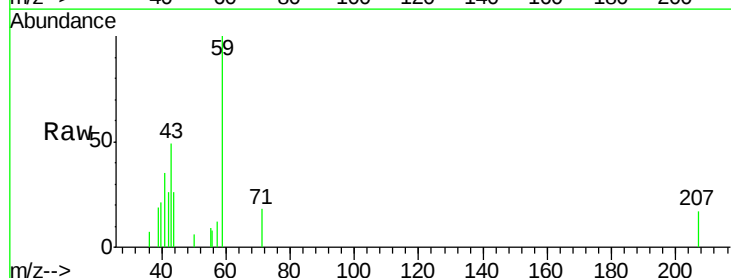
Acq: 16 Jun 2018 00:02

Tgt Ion: 59 Resp: 2811

Ion Ratio Lower Upper

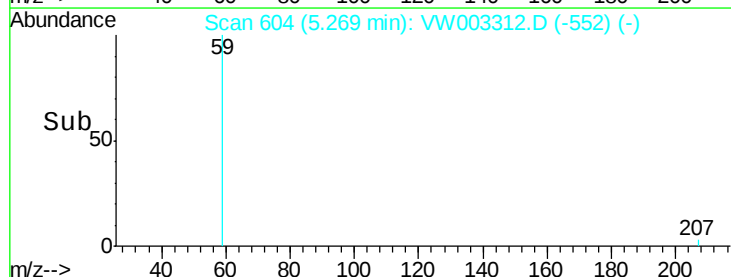
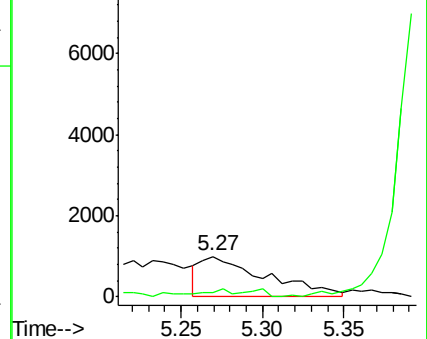
59 100

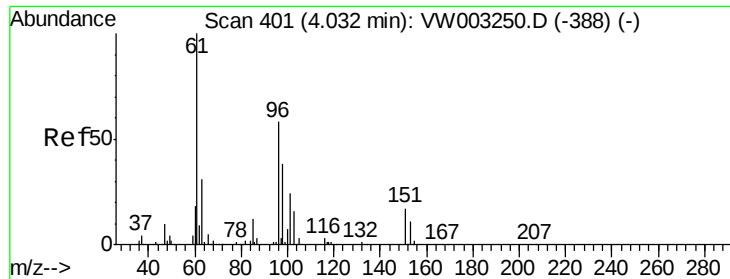
57 0.0 4.2 6.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#12

1,1-Dichloroethene

Concen: 1.982 ug/l

RT: 4.04 min Scan# 402

Delta R.T. 0.01 min

Lab File: VW003312.D

Acq: 16 Jun 2018 00:02

Instrument :

MSVOA_W

ClientSampled :

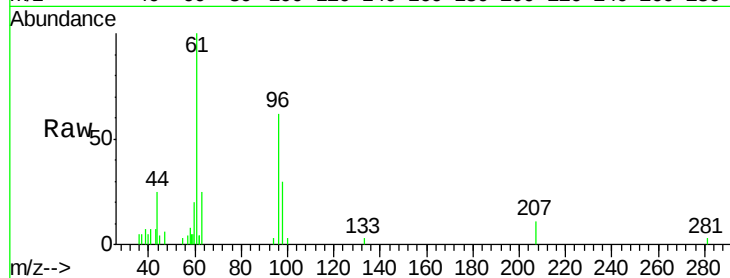
Tot Ion: 96 Resp: 3086

Ion Ratio Lower Upper

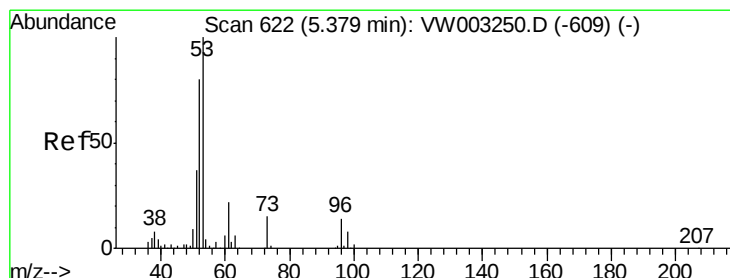
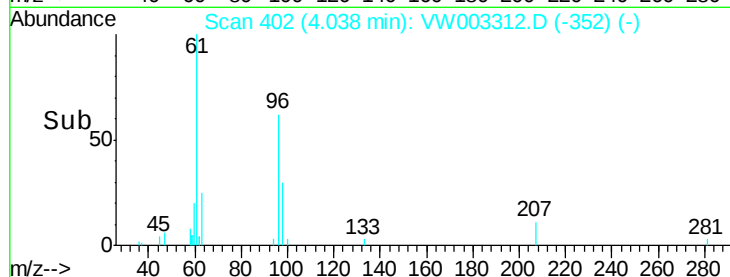
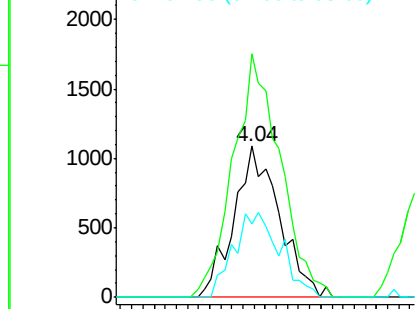
96 100

61 161.1 139.0 208.4

98 48.4 53.3 79.9#



Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#15

Acrylonitrile

Concen: 12.858 ug/l

RT: 5.43 min Scan# 631

Delta R.T. 0.06 min

Lab File: VW003312.D

Acq: 16 Jun 2018 00:02

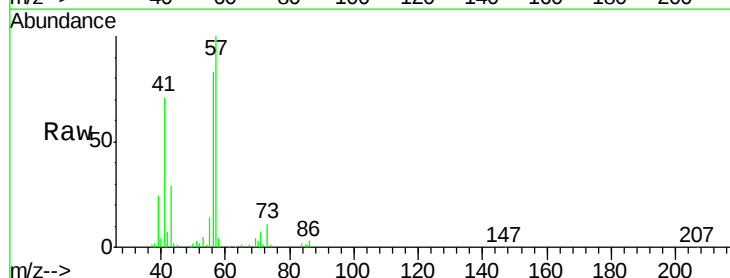
Tgt Ion: 53 Resp: 4458

Ion Ratio Lower Upper

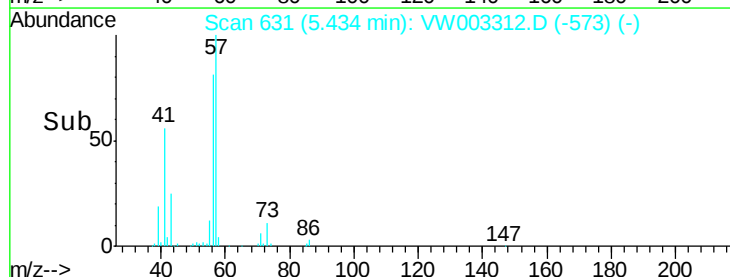
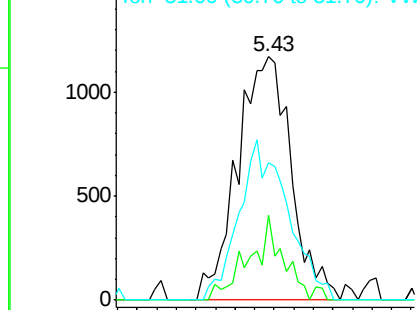
53 100

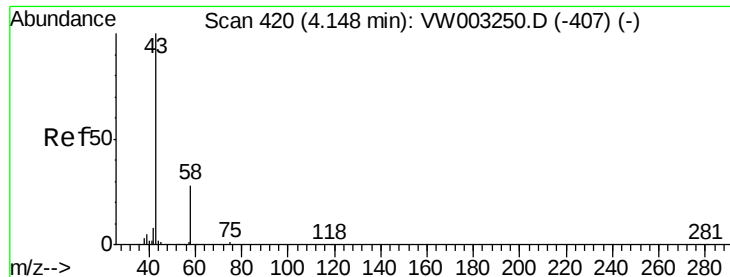
52 21.6 66.6 100.0#

51 60.3 30.6 46.0#



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW





#16

Acetone

Concen: 119.342 ug/l

RT: 4.15 min Scan# 420

Delta R.T. 0.00 min

Lab File: VW003312.D

Acq: 16 Jun 2018 00:02

Instrument :

MSVOA_W

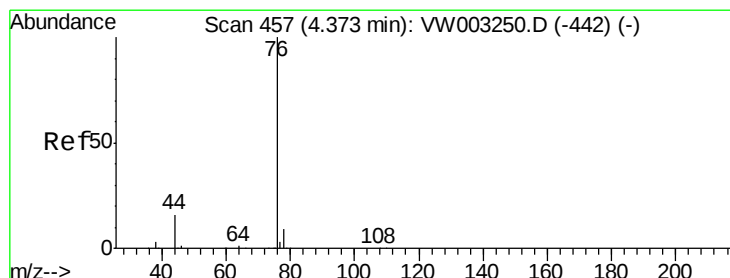
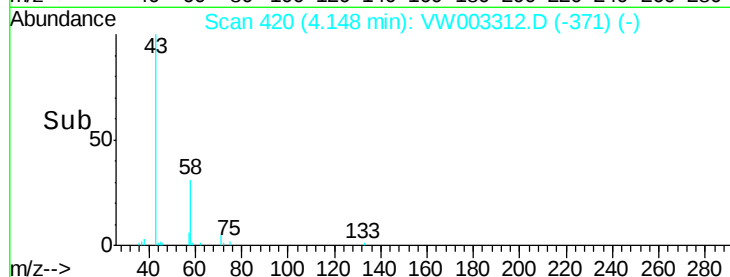
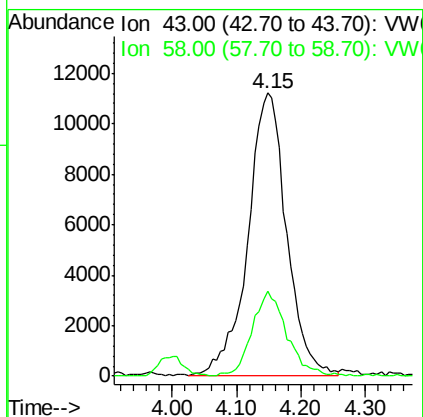
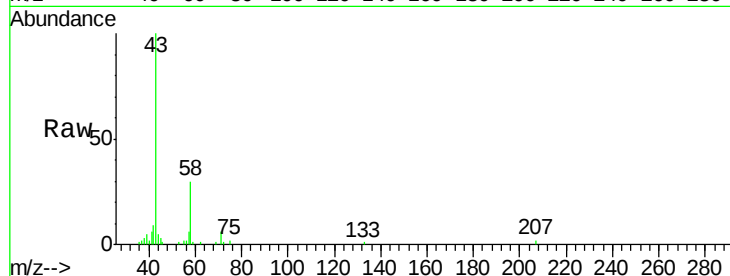
ClientSampled :

Tot Ion: 43 Resp: 46619

Ion Ratio Lower Upper

43 100

58 29.5 22.6 34.0



#17

Carbon Disulfide

Concen: 5.766 ug/l

RT: 4.37 min Scan# 457

Delta R.T. 0.00 min

Lab File: VW003312.D

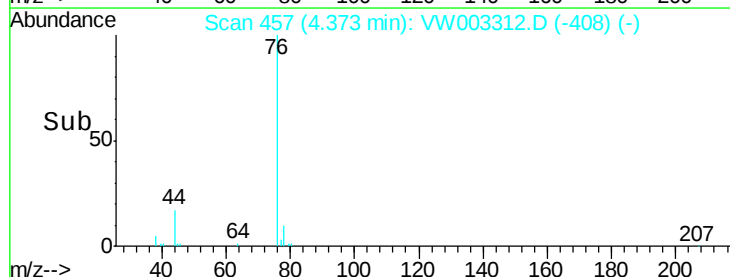
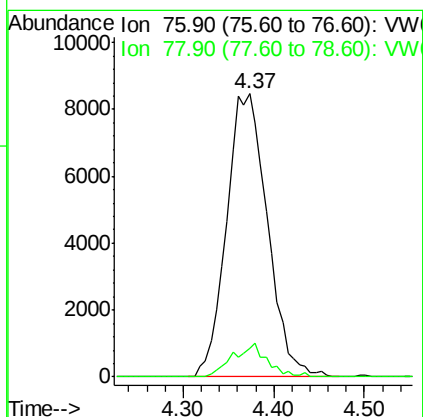
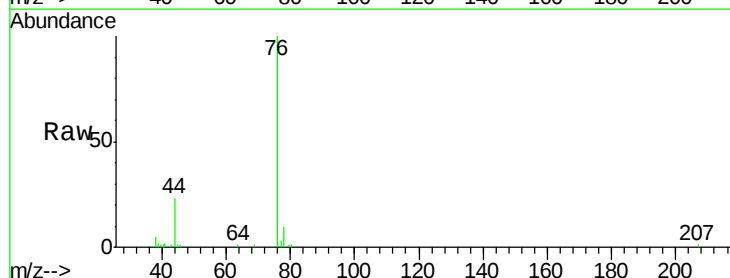
Acq: 16 Jun 2018 00:02

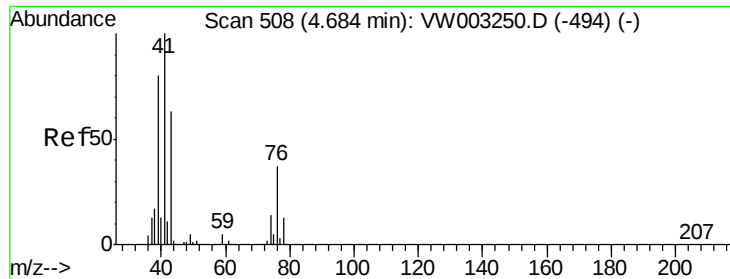
Tgt Ion: 76 Resp: 26536

Ion Ratio Lower Upper

76 100

78 10.1 7.1 10.7

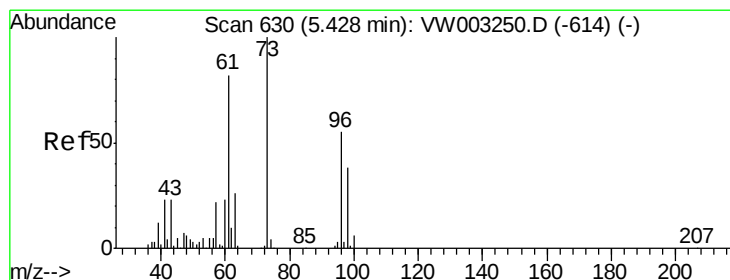
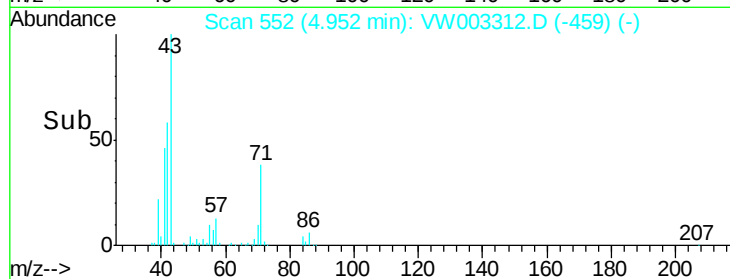
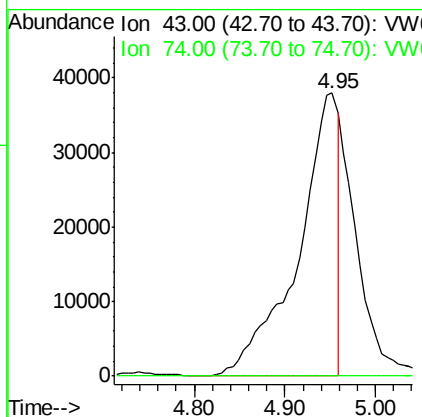
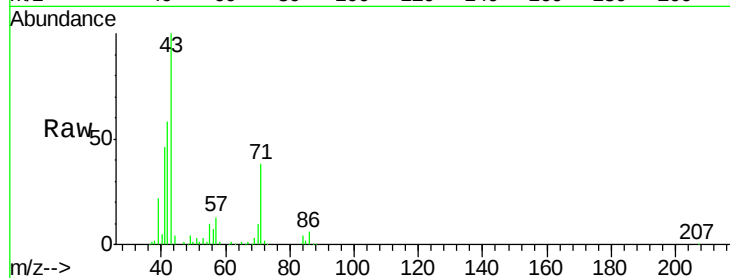




#18
Methyl Acetate
Concen: 125.847 ug/l
RT: 4.95 min Scan# 552
Delta R.T. 0.27 min
Lab File: VW003312.D
Acq: 16 Jun 2018 00:02

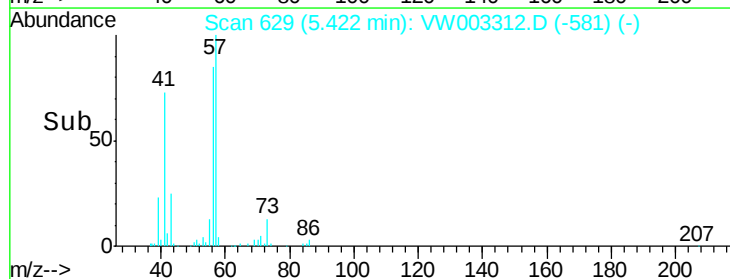
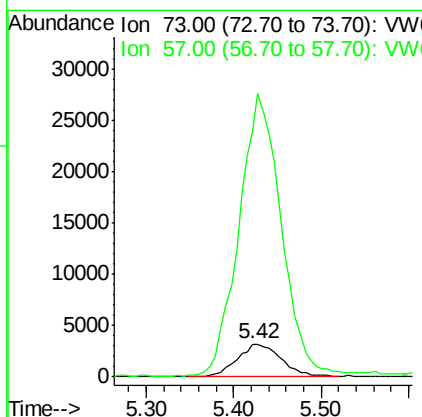
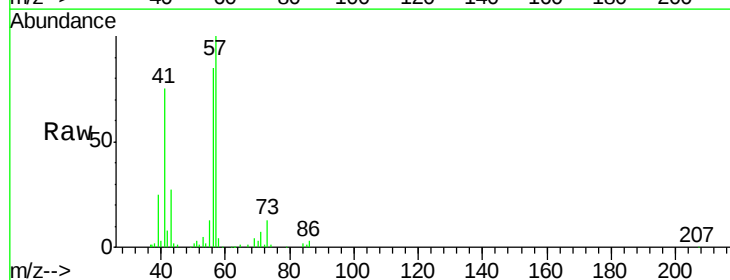
Instrument :
MSVOA_W
ClientSampled :

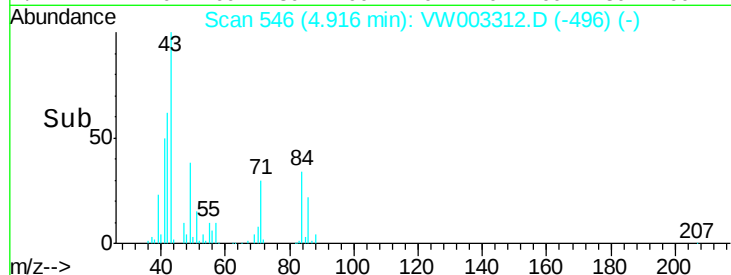
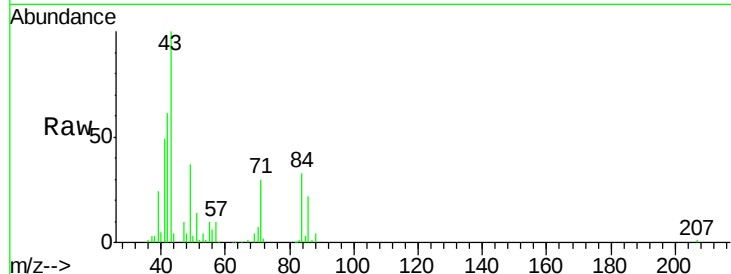
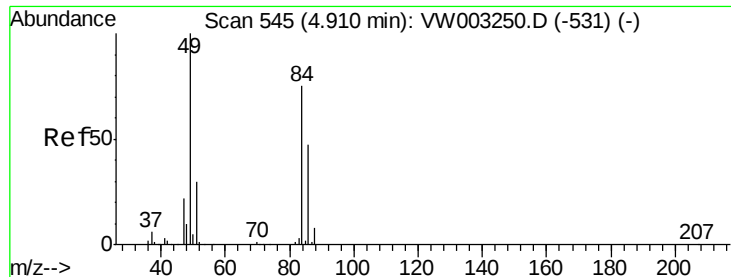
Tot Ion: 43 Resp: 116623
Ion Ratio Lower Upper
43 100
74 0.0 18.7 28.1#



#19
Methyl tert-butyl Ether
Concen: 3.904 ug/l
RT: 5.42 min Scan# 629
Delta R.T. -0.01 min
Lab File: VW003312.D
Acq: 16 Jun 2018 00:02

Tgt Ion: 73 Resp: 11382
Ion Ratio Lower Upper
73 100
57 738.5 18.0 27.0#

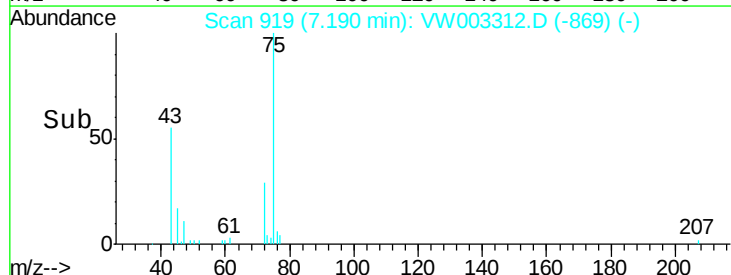
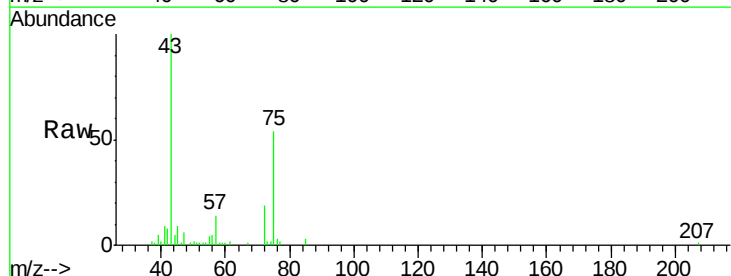
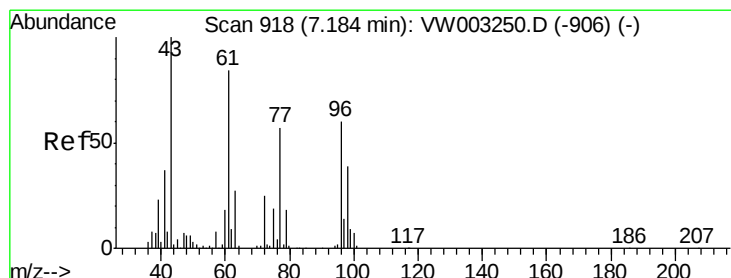
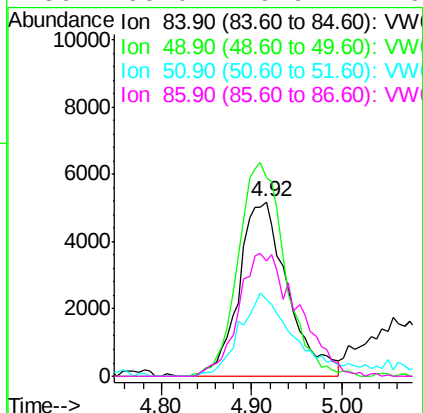




#20
Methvlene Chloride
Concen: 8.569 ug/l
RT: 4.92 min Scan# 546
Delta R.T. 0.01 min
Lab File: VW003312.D
Acq: 16 Jun 2018 00:02

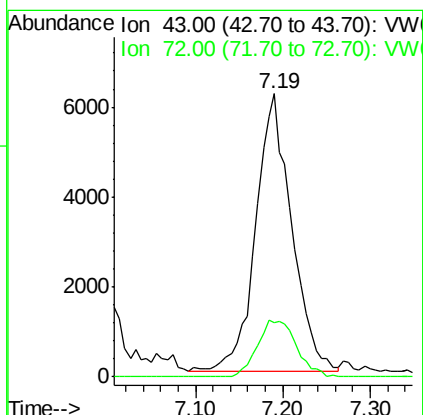
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MSVOA_W
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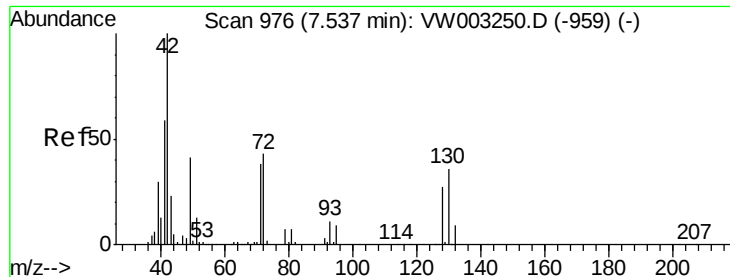
Tot Ion:	84	Resp:	19266
Ion	Ratio	Lower	Upper
84	100		
49	113.9	106.3	159.5
51	43.9	32.0	48.0
86	66.0	49.9	74.9



#25
2-Butanone
Concen: 36.245 ug/l
RT: 7.19 min Scan# 919
Delta R.T. 0.01 min
Lab File: VW003312.D
Acq: 16 Jun 2018 00:02

Tgt Ion:	43	Resp:	17606
Ion	Ratio	Lower	Upper
43	100		
72	19.5	20.3	30.5#

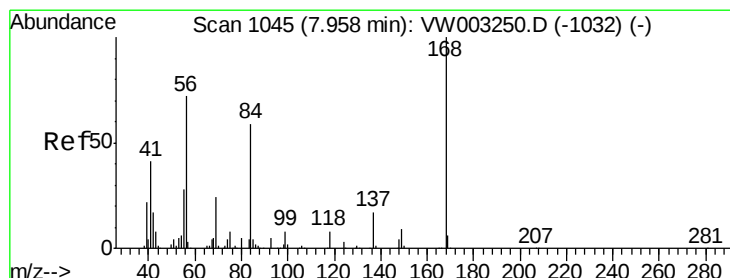
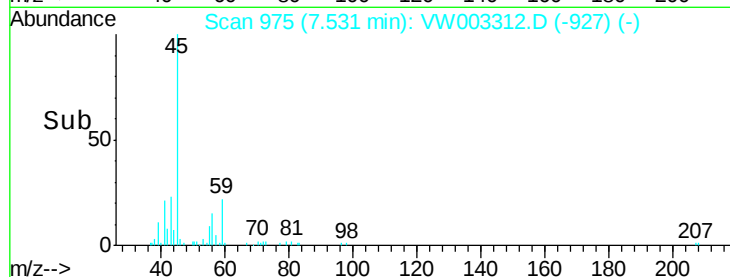
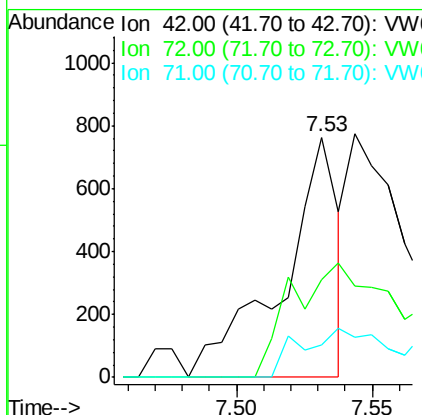
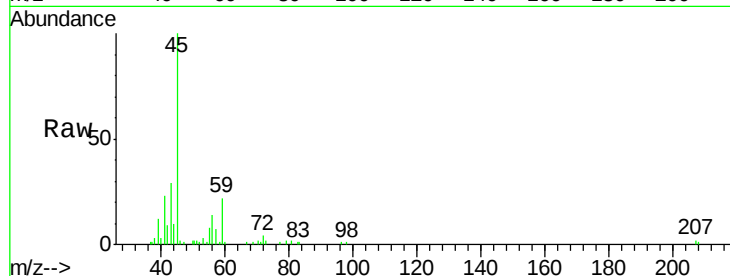




#29
Tetrahydrofuran
Concen: 3.672 ug/l
RT: 7.53 min Scan# 975
Delta R.T. -0.01 min
Lab File: VW003312.D
Acq: 16 Jun 2018 00:02

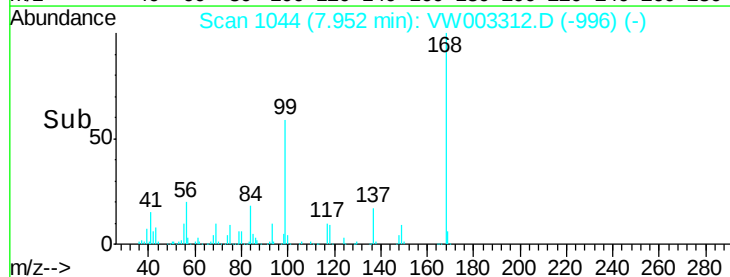
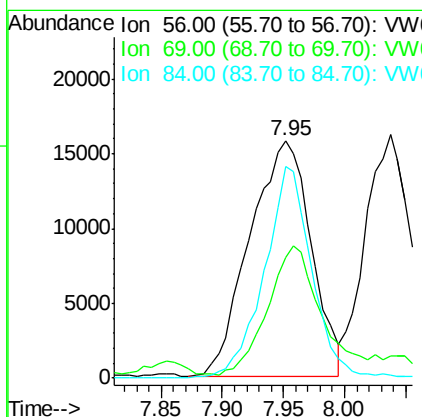
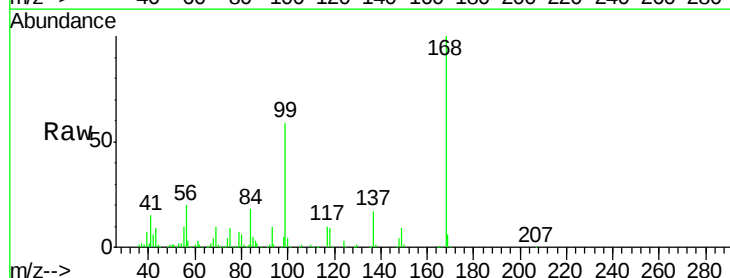
Instrument :
MSVOA_W
ClientSampled :

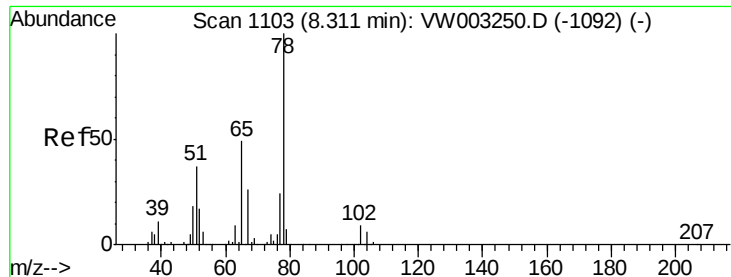
Tot Ion: 42 Resp: 1090
Ion Ratio Lower Upper
42 100
72 102.0 32.4 48.6#
71 30.3 31.2 46.8#



#31
Cyclohexane
Concen: 18.269 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VW003312.D
Acq: 16 Jun 2018 00:02

Tgt Ion: 56 Resp: 54983
Ion Ratio Lower Upper
56 100
69 47.0 26.3 39.5#
84 89.7 65.7 98.5





#33

1,2-Dichloroethane-d4

Concen: 67.514 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VW003312.D

Acq: 16 Jun 2018 00:02

Instrument :

MSVOA_W

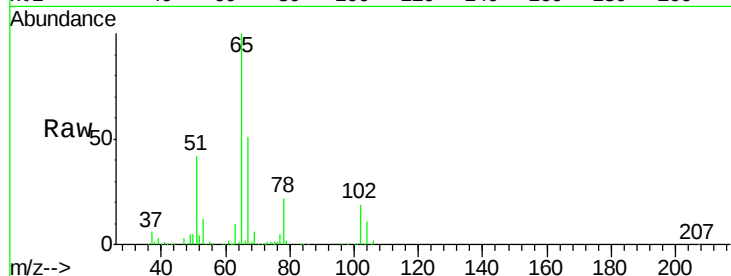
ClientSampleId :

Tot Ion: 65 Resp: 125749

Ion Ratio Lower Upper

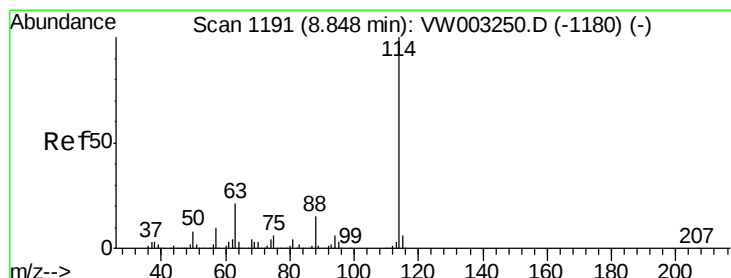
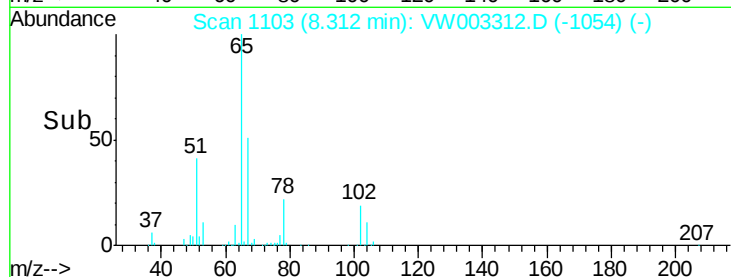
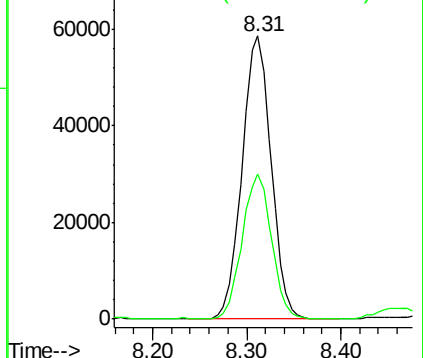
65 100

67 51.1 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW003312.D

Acq: 16 Jun 2018 00:02

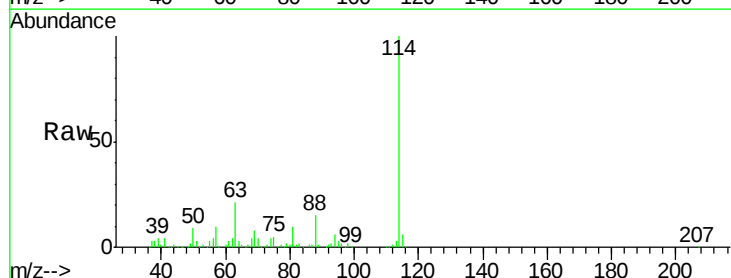
Tgt Ion: 114 Resp: 287076

Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.0

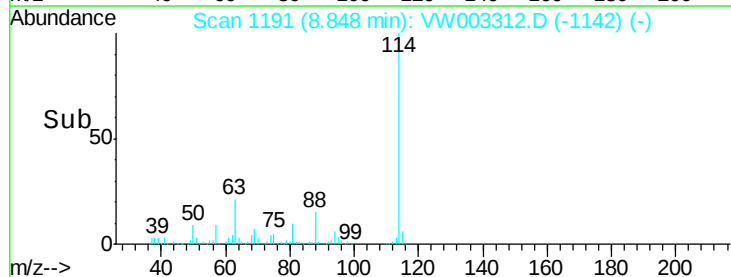
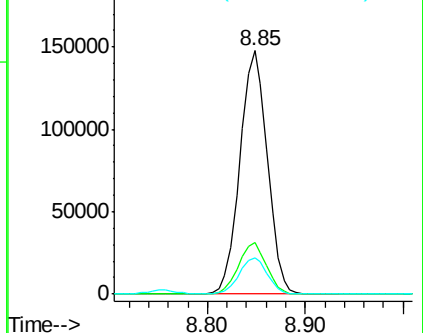
88 15.1 0.0 29.6

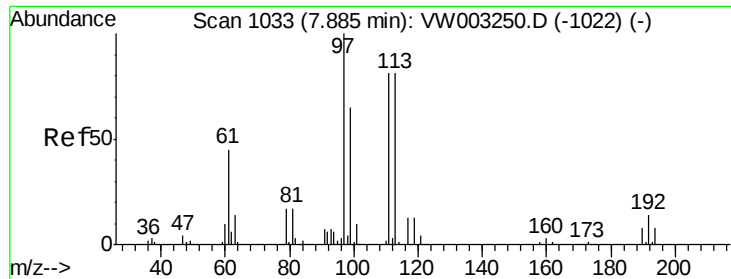


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

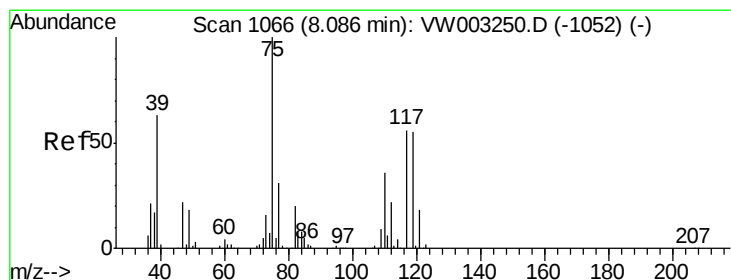
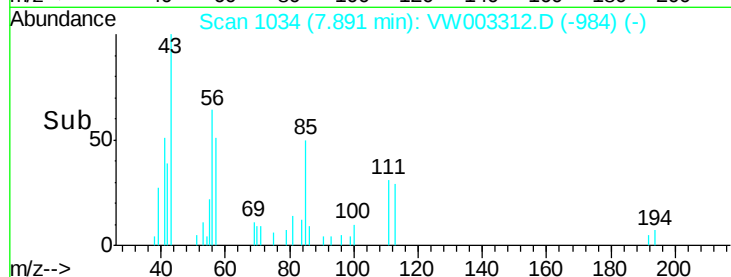
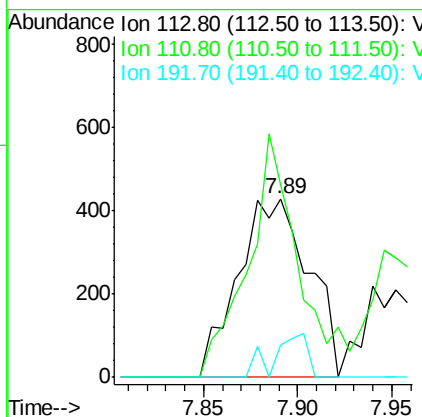
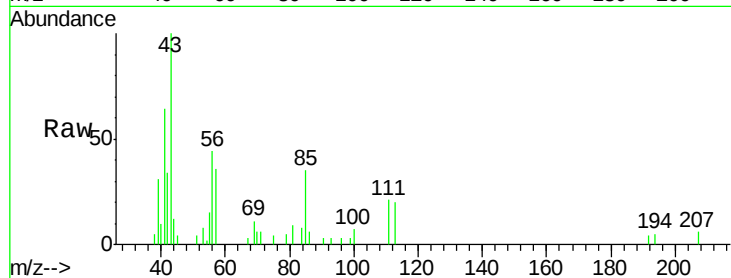




#35
 Dibromofluoromethane
 Concen: 0.625 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. 0.01 min
 Lab File: VW003312.D
 Acq: 16 Jun 2018 00:02

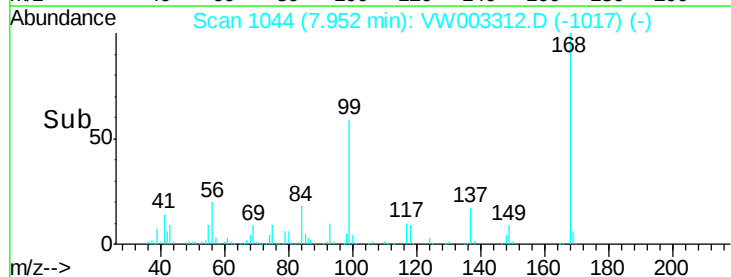
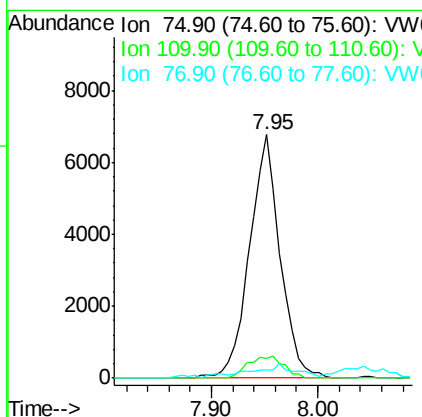
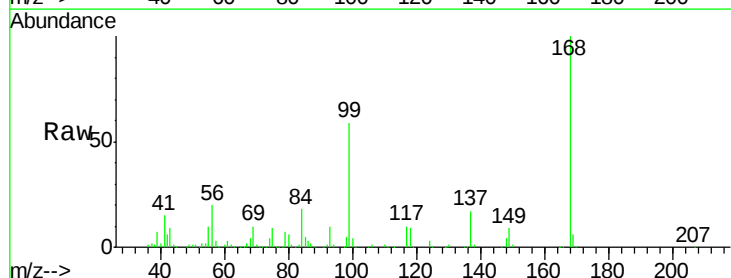
Instrument :
 MSVOA_W
 ClientSampleId :

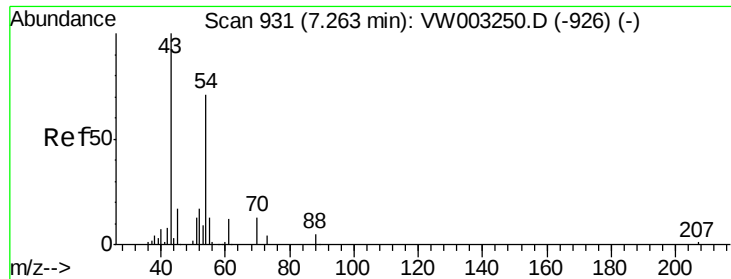
Tot Ion:113 Resp: 1115
 Ion Ratio Lower Upper
 113 100
 111 97.6 82.2 123.2
 192 11.4 16.2 24.2#



#36
 1,1-Dichloropropene
 Concen: 4.934 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW003312.D
 Acq: 16 Jun 2018 00:02

Tgt Ion: 75 Resp: 13680
 Ion Ratio Lower Upper
 75 100
 110 10.5 17.1 51.3#
 77 5.1 24.9 37.3#

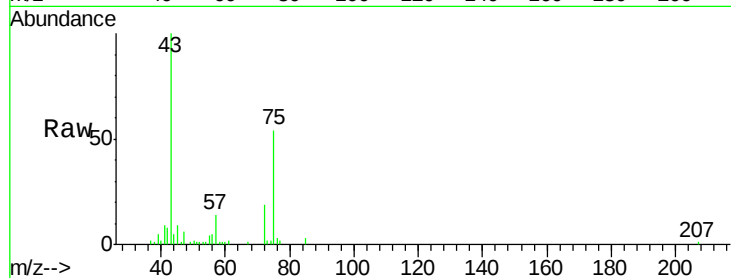




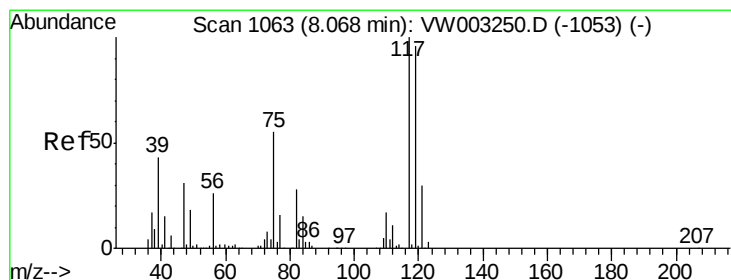
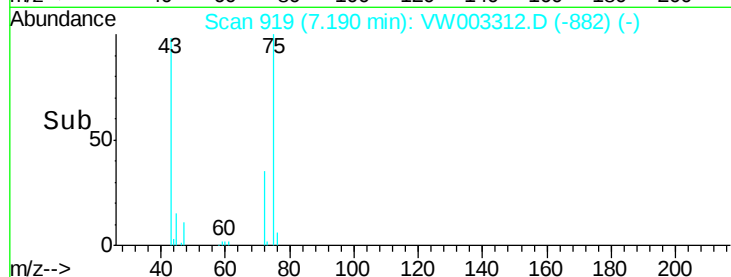
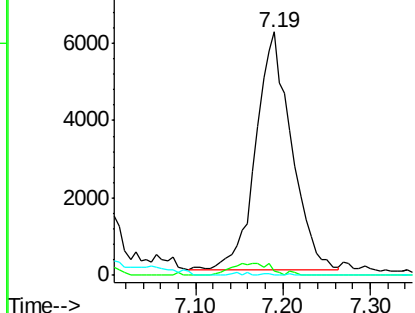
#37
Ethyl Acetate
Concen: 15.329 ug/l
RT: 7.19 min Scan# 919
Delta R.T. -0.07 min
Lab File: VW003312.D
Acq: 16 Jun 2018 00:02

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 17606
Ion Ratio Lower Upper
43 100
61 5.4 10.8 16.2#
70 0.2 7.8 11.6#

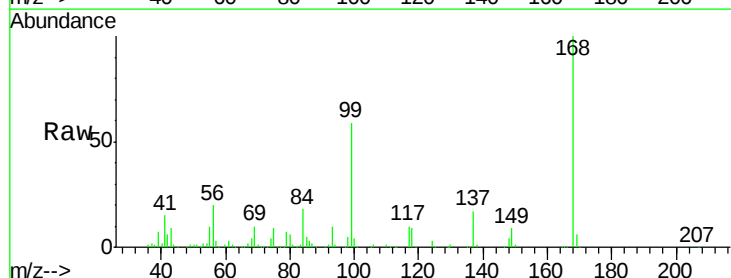


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

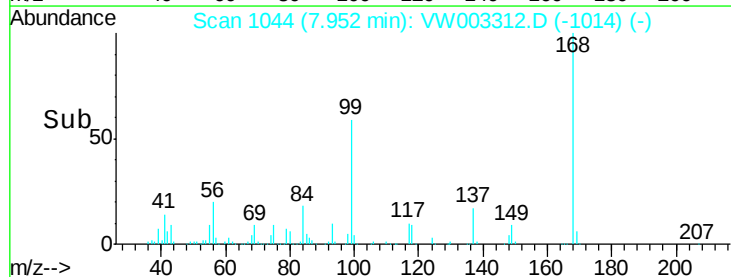
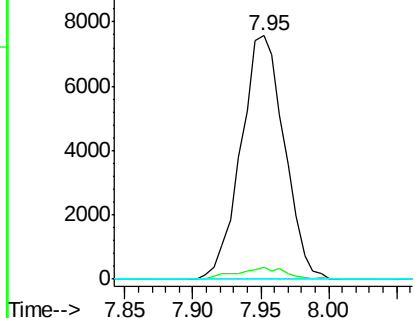


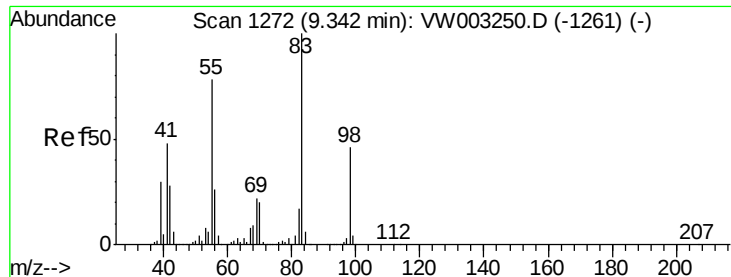
#38
Carbon Tetrachloride
Concen: 6.219 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.12 min
Lab File: VW003312.D
Acq: 16 Jun 2018 00:02

Tgt Ion: 117 Resp: 16912
Ion Ratio Lower Upper
117 100
119 5.0 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

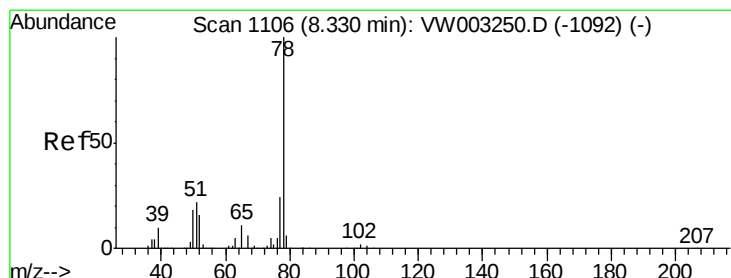
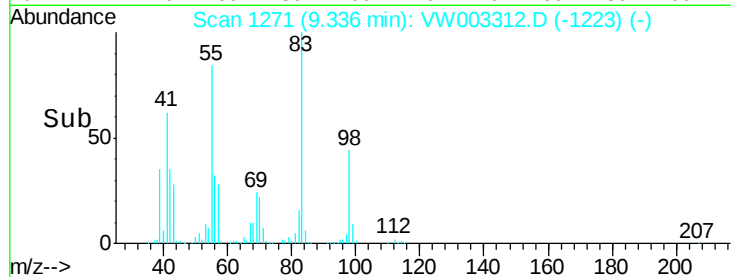
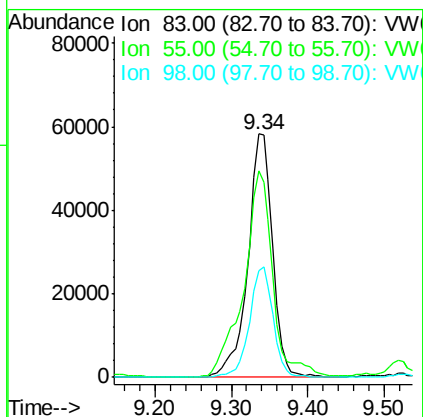
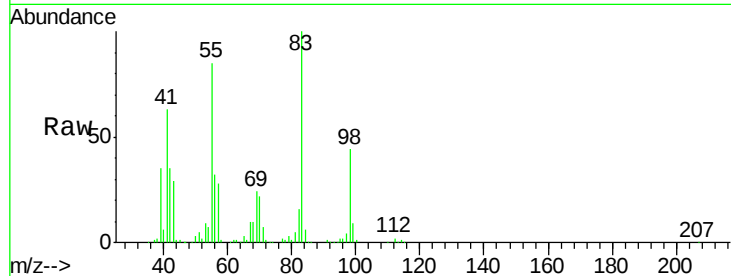




#39
Methvlcvclohexane
Concen: 40.872 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VW003312.D
Acq: 16 Jun 2018 00:02

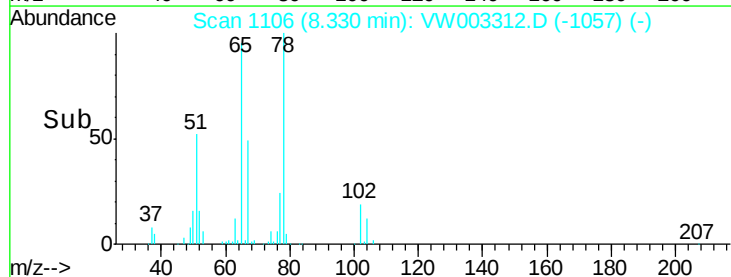
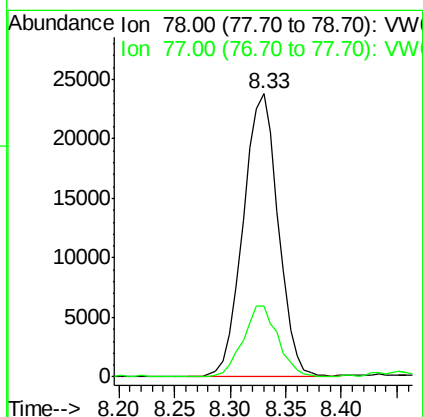
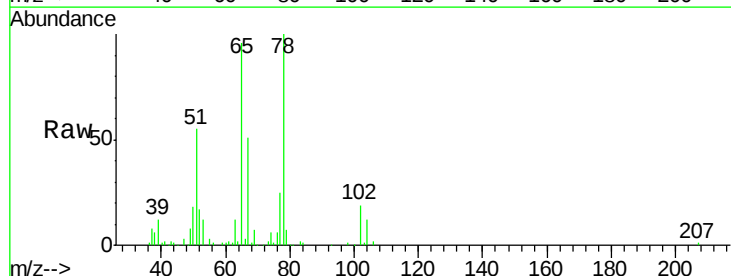
Instrument :
MSVOA_W
ClientSampleId :

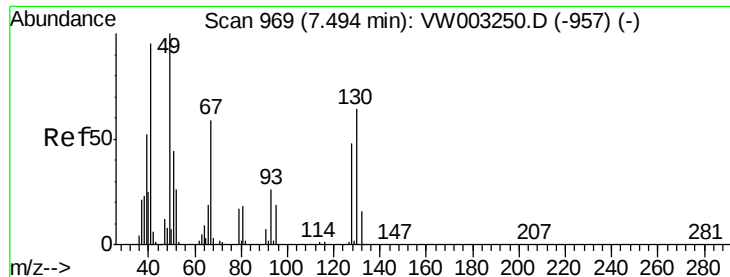
Tot Ion: 83 Resp: 131112
Ion Ratio Lower Upper
83 100
55 84.5 62.6 93.8
98 43.7 37.0 55.4



#40
Benzene
Concen: 6.821 ug/l
RT: 8.33 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VW003312.D
Acq: 16 Jun 2018 00:02

Tgt Ion: 78 Resp: 52127
Ion Ratio Lower Upper
78 100
77 25.2 19.0 28.6

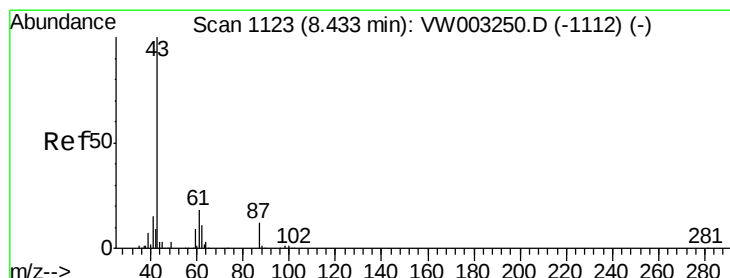
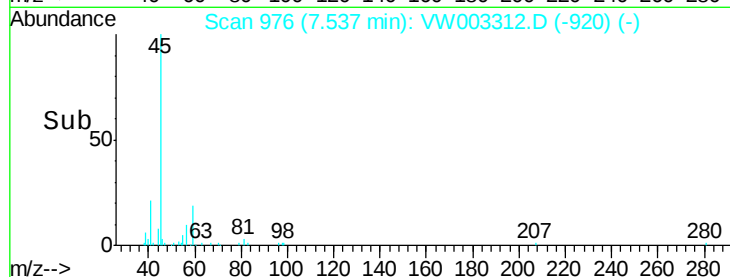
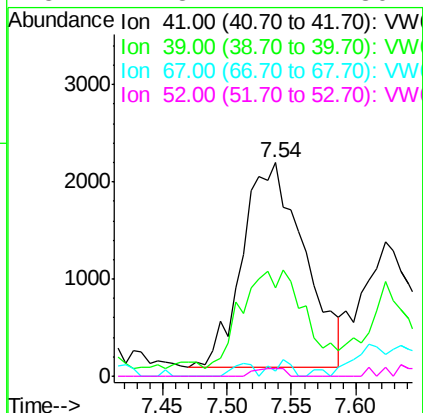
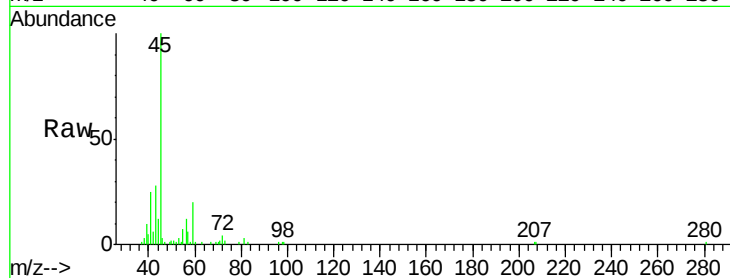




#41
Methacrylonitrile
Concen: 9.879 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.04 min
Lab File: VW003312.D
Acq: 16 Jun 2018 00:02

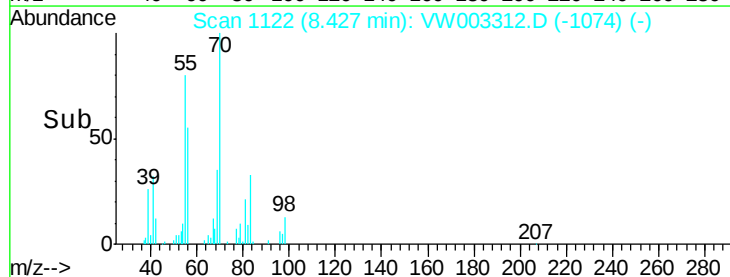
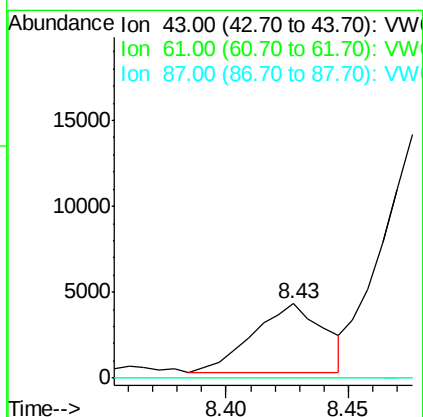
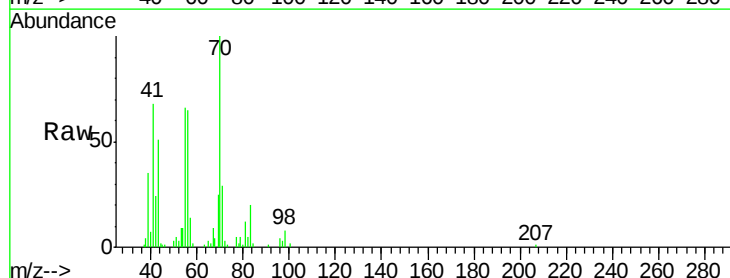
Instrument :
MSVOA_W
ClientSampleId :

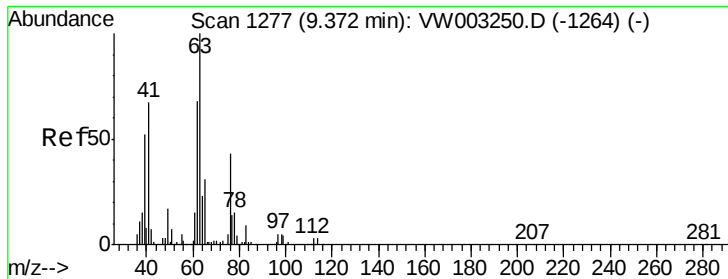
Tot Ion	Ratio	Lower	Upper
41	100		
39	49.2	45.8	68.8
67	0.0	52.3	78.5#
52	1.8	24.1	36.1#



#43
Isopropyl Acetate
Concen: 3.536 ug/l
RT: 8.43 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VW003312.D
Acq: 16 Jun 2018 00:02

Tgt 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: 1.158 ug/l

RT: 9.34 min Scan# 1272

Delta R.T. -0.03 min

Lab File: VW003312.D

Acq: 16 Jun 2018 00:02

Instrument :

MSVOA_W

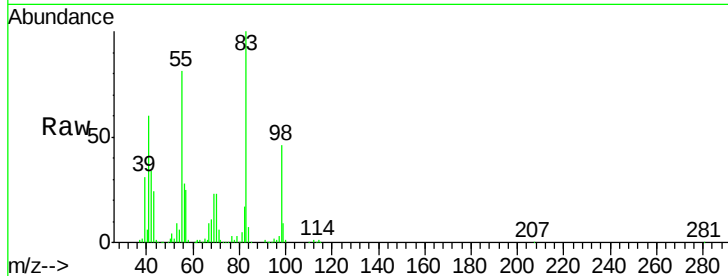
ClientSampled :

Tot Ion: 63 Resp: 2253

Ion Ratio Lower Upper

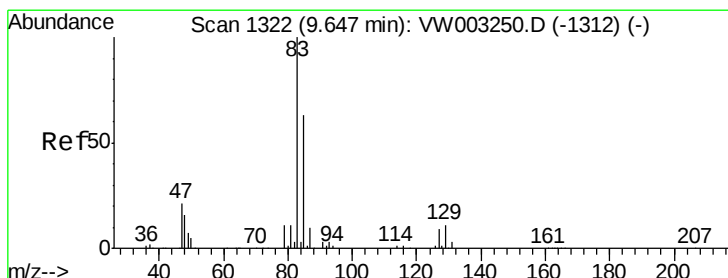
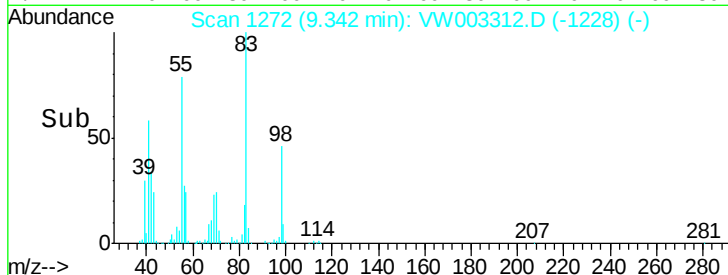
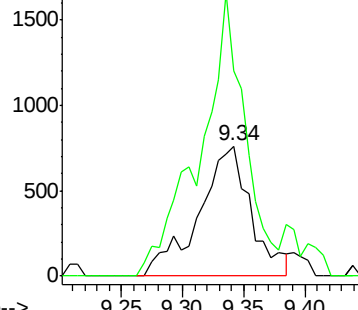
63 100

65 157.8 25.1 37.7#



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#47

Bromodichloromethane

Concen: 1.464 ug/l

RT: 9.62 min Scan# 1318

Delta R.T. -0.02 min

Lab File: VW003312.D

Acq: 16 Jun 2018 00:02

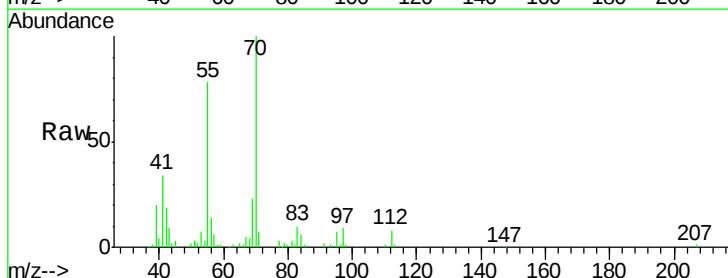
Tgt Ion: 83 Resp: 3739

Ion Ratio Lower Upper

83 100

85 13.9 50.6 75.8#

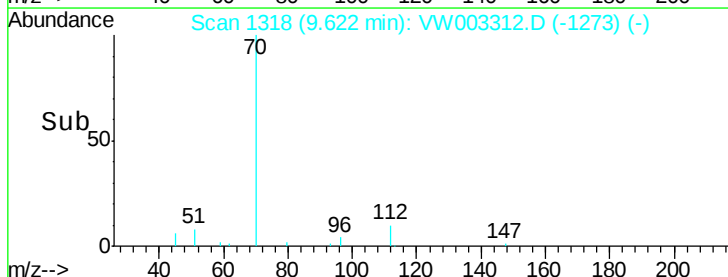
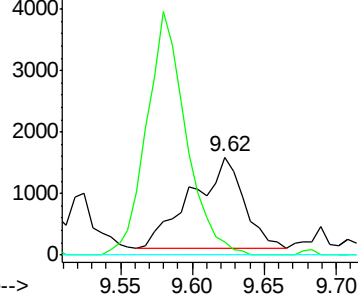
127 0.0 6.8 10.2#

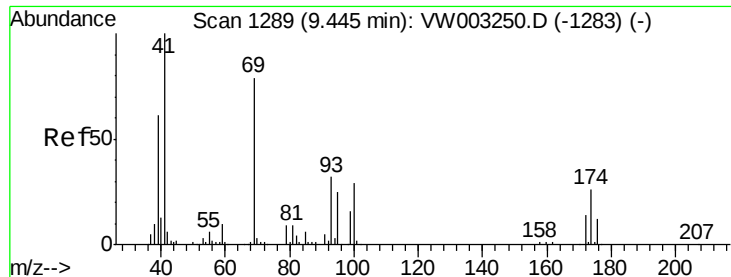


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V

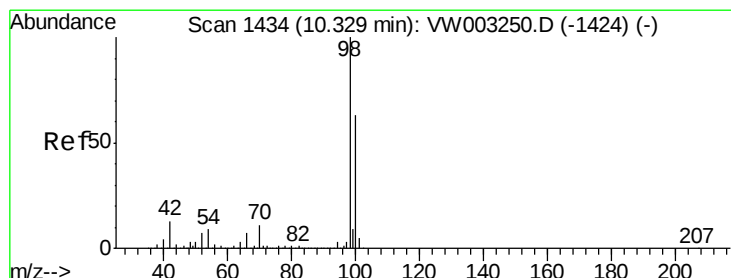
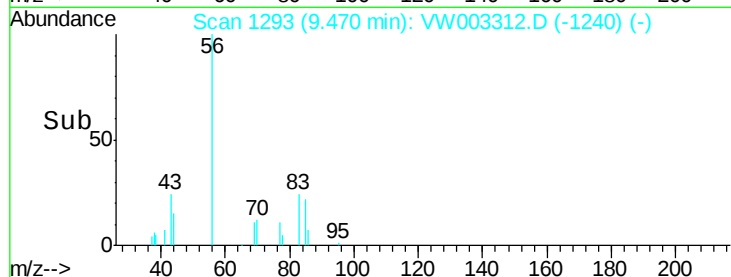
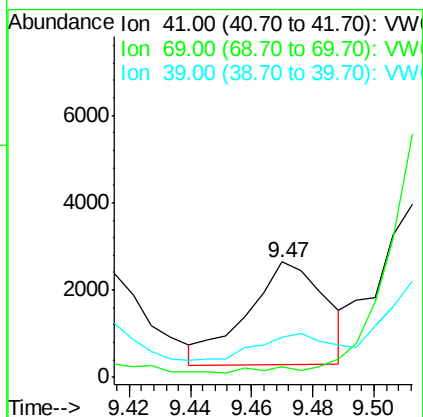
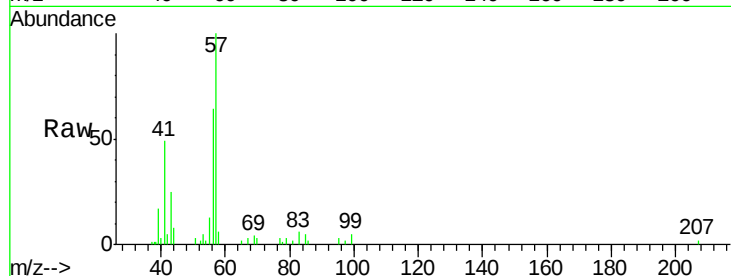




#48
Methvl methacrylate
Concen: 3.917 ug/l
RT: 9.47 min Scan# 1293
Delta R.T. 0.02 min
Lab File: VW003312.D
Acq: 16 Jun 2018 00:02

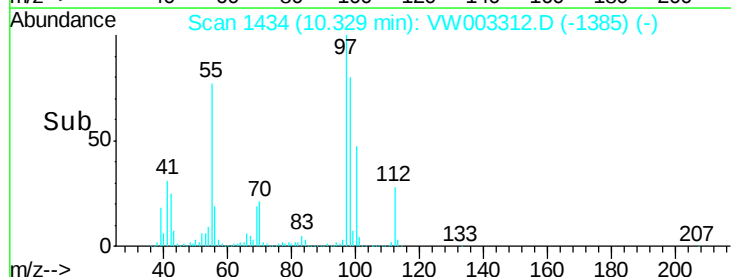
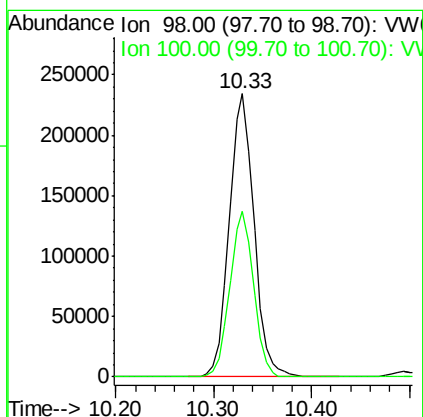
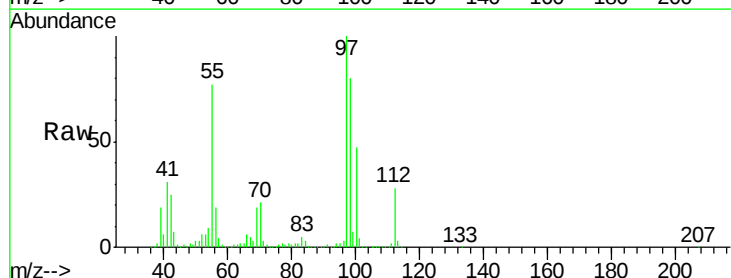
Instrument :
MSVOA_W
ClientSampled :

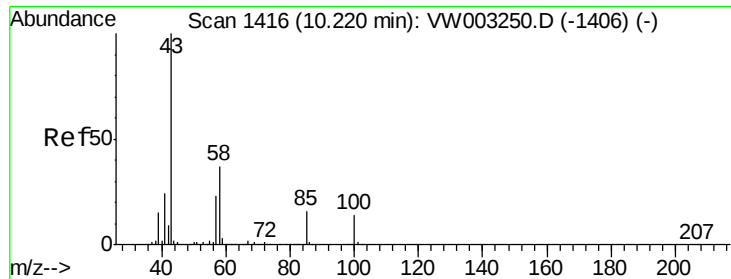
Tot Ion: 41 Resp: 4198
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.2#
39 0.0 54.2 81.2#



#50
Toluene-d8
Concen: 58.197 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW003312.D
Acq: 16 Jun 2018 00:02

Tgt Ion: 98 Resp: 411636
Ion Ratio Lower Upper
98 100
100 56.0 50.8 76.2

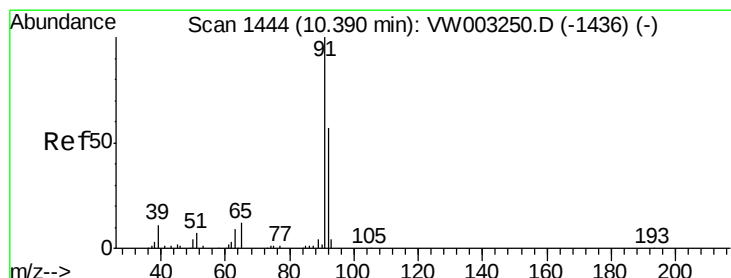
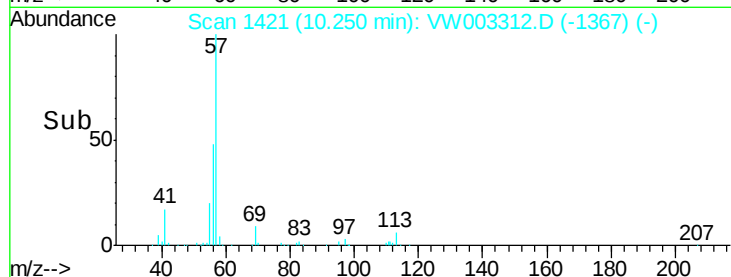
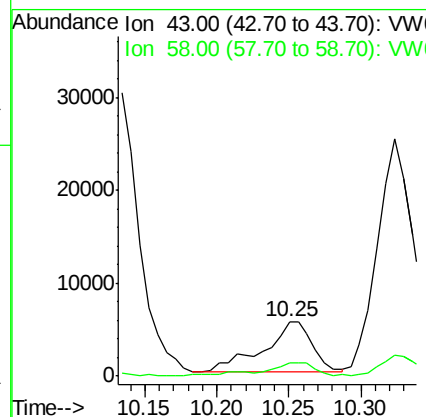
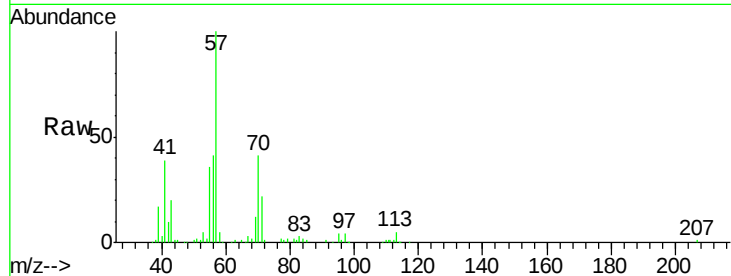




#51
 4-Methyl-2-Pentanone
 Concen: 11.054 ug/l
 RT: 10.25 min Scan# 1421
 Delta R.T. 0.03 min
 Lab File: VW003312.D
 Acq: 16 Jun 2018 00:02

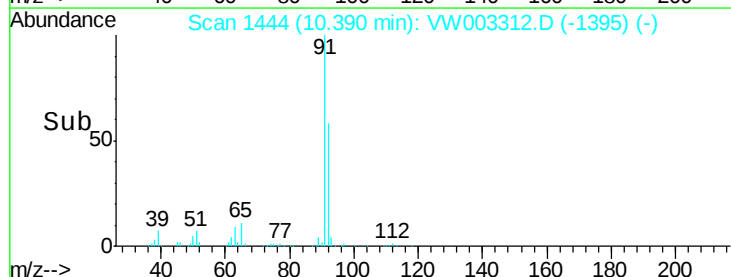
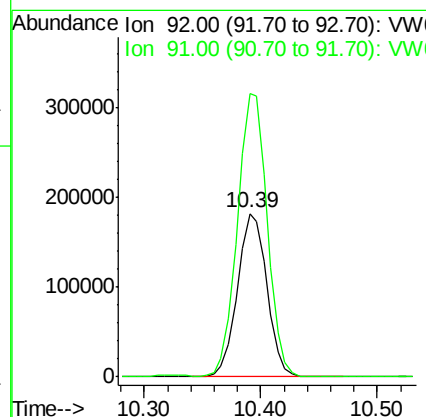
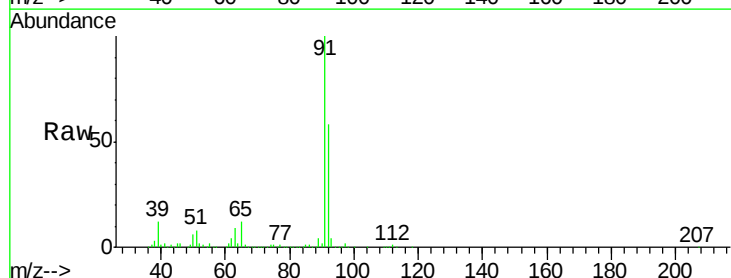
Instrument :
 MSVOA_W
 ClientSampled :

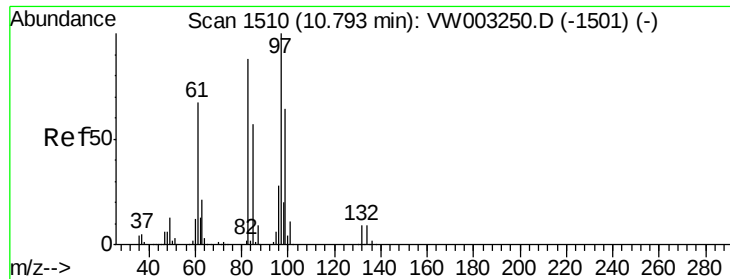
Tot Ion: 43 Resp: 12846
 Ion Ratio Lower Upper
 43 100
 58 22.2 29.0 43.4#



#52
 Toluene
 Concen: 65.241 ug/l
 RT: 10.39 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VW003312.D
 Acq: 16 Jun 2018 00:02

Tgt Ion: 92 Resp: 319713
 Ion Ratio Lower Upper
 92 100
 91 175.5 141.1 211.7

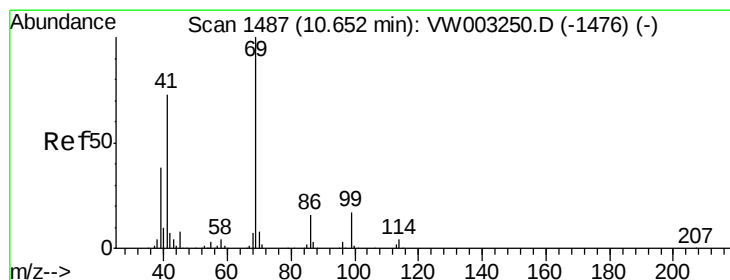
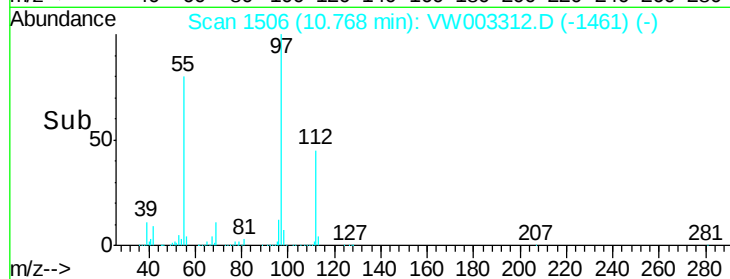
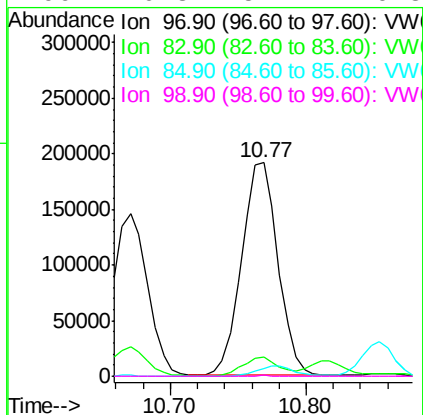
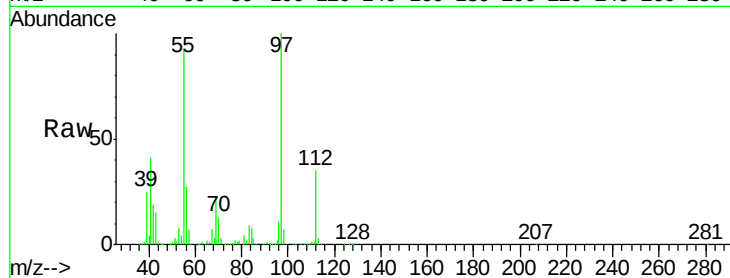




#55
 1,1,2-Trichloroethane
 Concen: 254.850 ug/l
 RT: 10.77 min Scan# 1506
 Delta R.T. -0.02 min
 Lab File: VW003312.D
 Acq: 16 Jun 2018 00:02

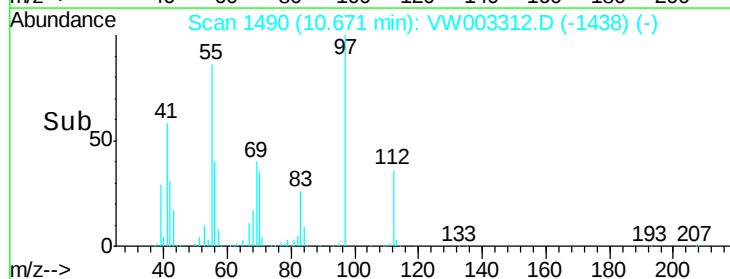
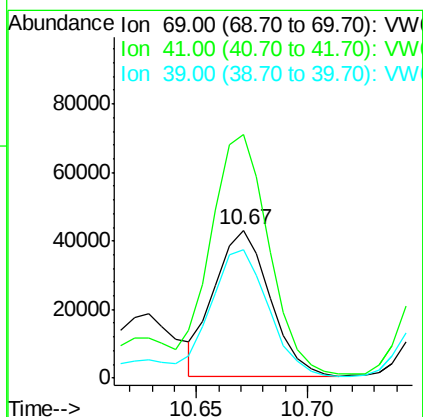
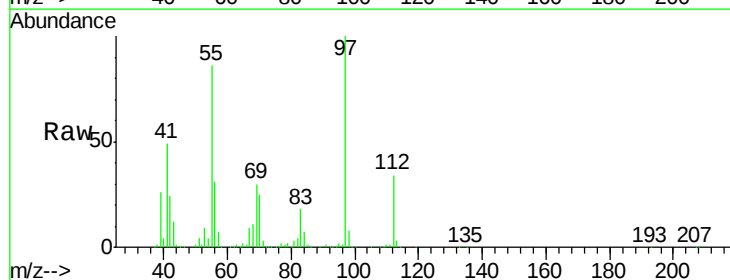
Instrument :
 MSVOA_W
 ClientSampled :

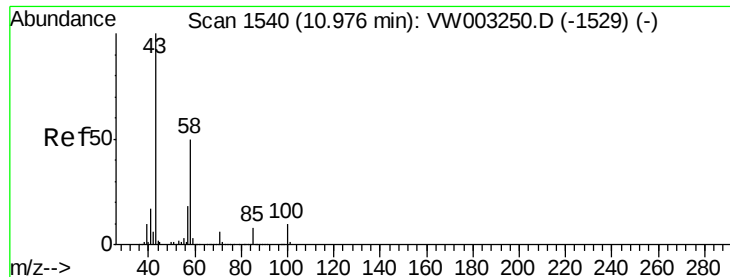
Tot Ion: 97 Resp: 357749
 Ion Ratio Lower Upper
 97 100
 83 8.9 70.2 105.2#
 85 3.4 45.6 68.4#
 99 0.3 51.2 76.8#



#56
 Ethyl methacrylate
 Concen: 43.132 ug/l
 RT: 10.67 min Scan# 1490
 Delta R.T. 0.02 min
 Lab File: VW003312.D
 Acq: 16 Jun 2018 00:02

Tgt Ion: 69 Resp: 73523
 Ion Ratio Lower Upper
 69 100
 41 171.8 57.8 86.6#
 39 89.8 32.7 49.1#





#59

2-Hexanone

Concen: 238.480 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.04 min

Lab File: VW003312.D

Acq: 16 Jun 2018 00:02

Instrument :

MSVOA_W

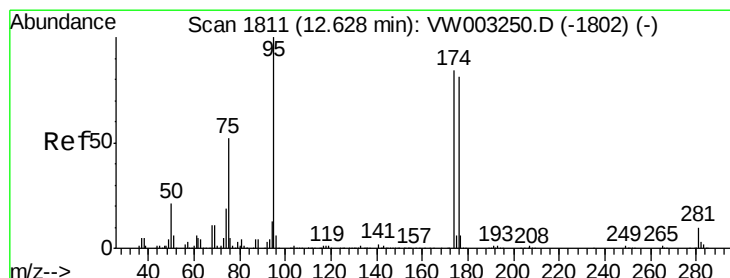
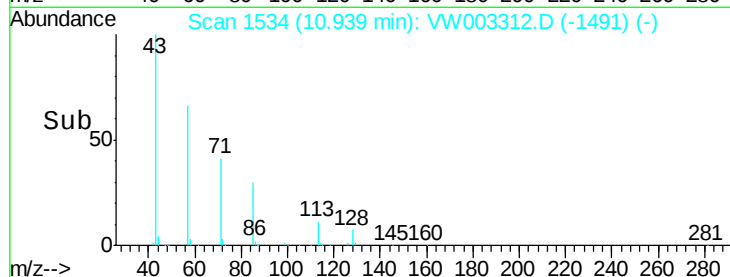
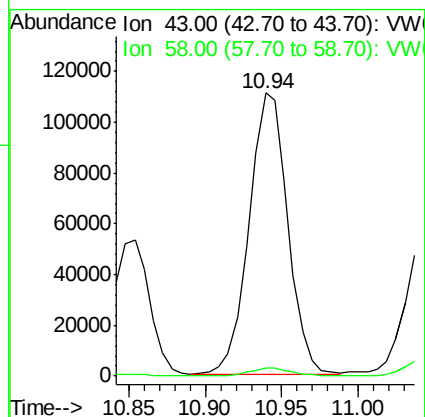
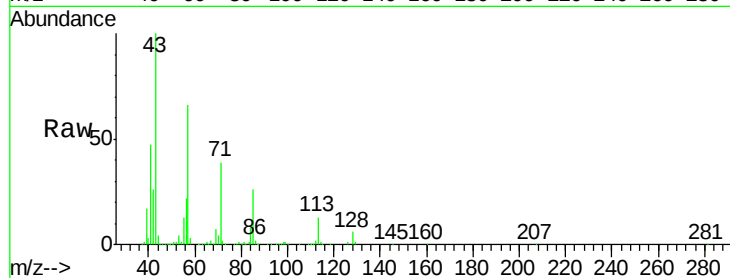
ClientSampleId :

Tot Ion: 43 Resp: 193601

Ion Ratio Lower Upper

43 100

58 3.3 25.0 75.0#



#62

4-Bromofluorobenzene

Concen: 39.613 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.01 min

Lab File: VW003312.D

Acq: 16 Jun 2018 00:02

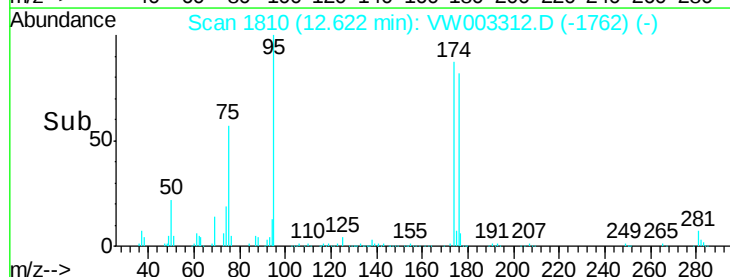
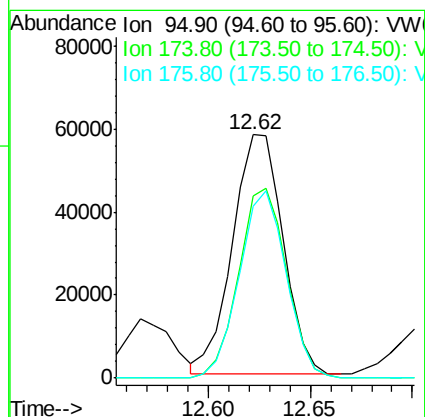
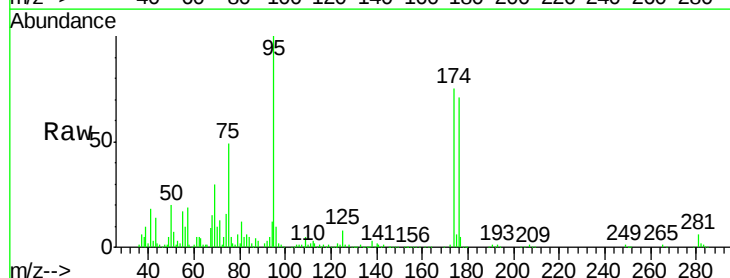
Tgt Ion: 95 Resp: 99156

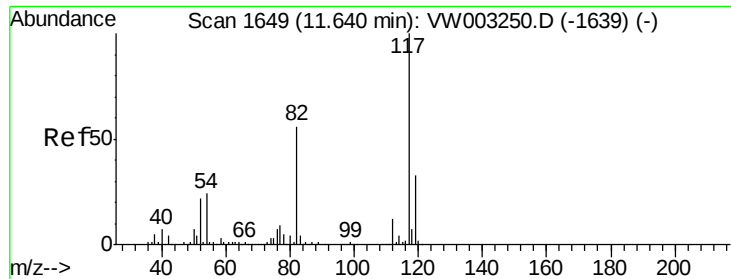
Ion Ratio Lower Upper

95 100

174 75.4 0.0 166.4

176 73.0 0.0 162.0

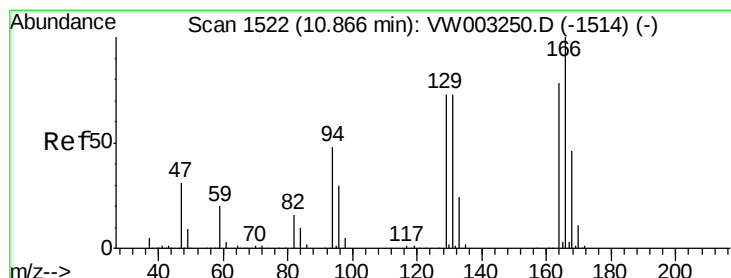
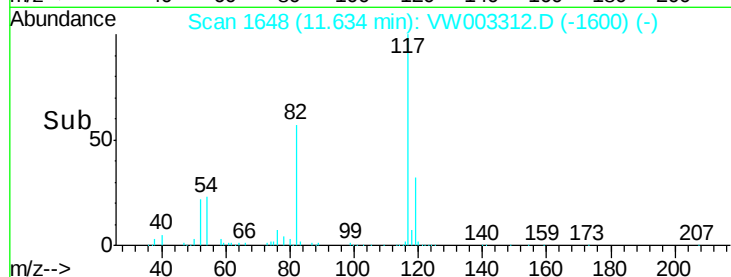
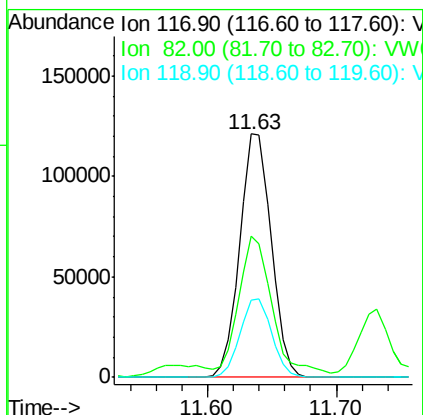
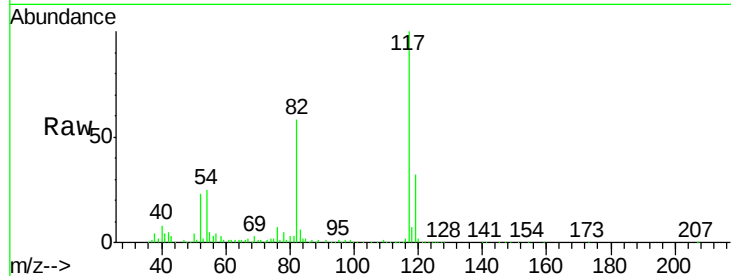




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW003312.D
Acq: 16 Jun 2018 00:02

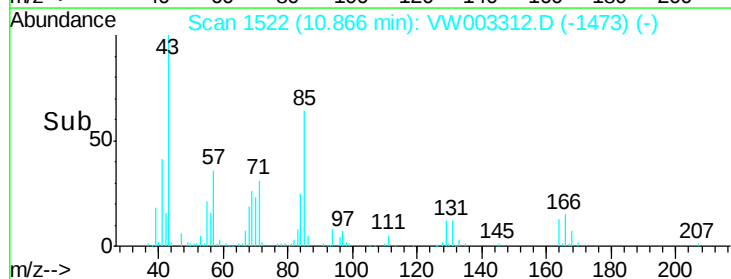
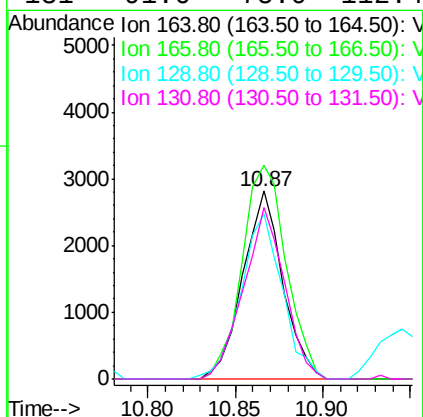
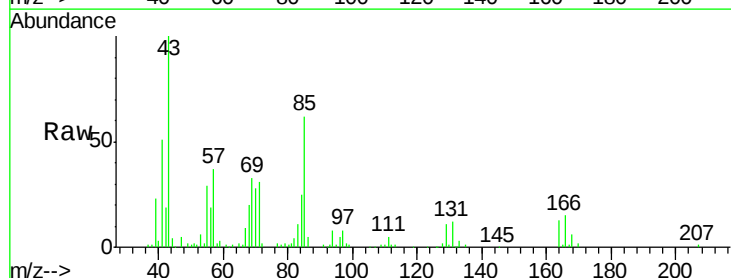
Instrument :
MSVOA_W
ClientSampleId :

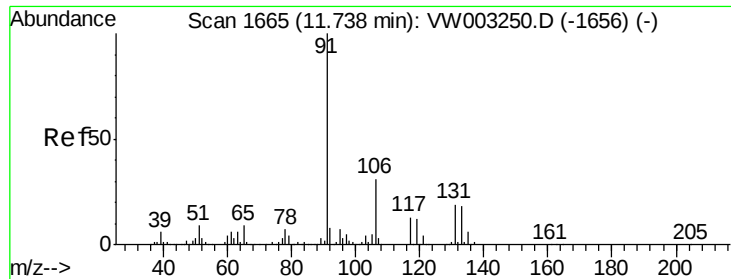
Tot Ion:117 Resp: 204712
Ion Ratio Lower Upper
117 100
82 55.7 44.6 67.0
119 31.5 26.7 40.1



#64
Tetrachloroethene
Concen: 3.265 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW003312.D
Acq: 16 Jun 2018 00:02

Tgt Ion:164 Resp: 4470
Ion Ratio Lower Upper
164 100
166 113.8 102.6 154.0
129 88.3 75.2 112.8
131 91.6 75.0 112.4

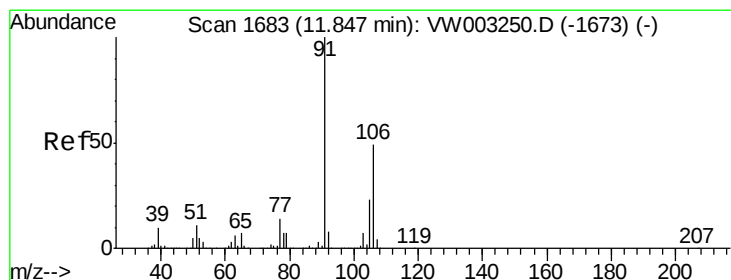
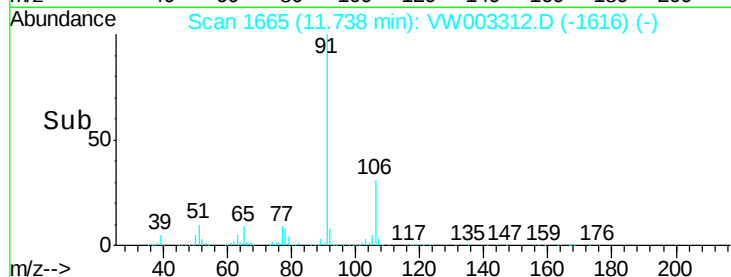
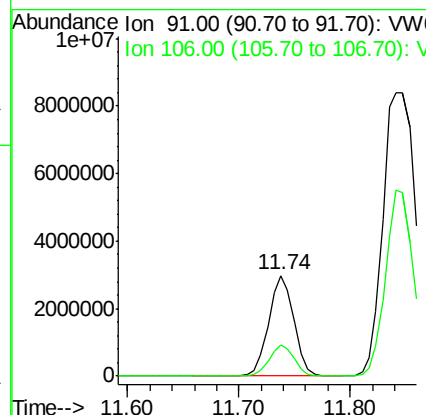
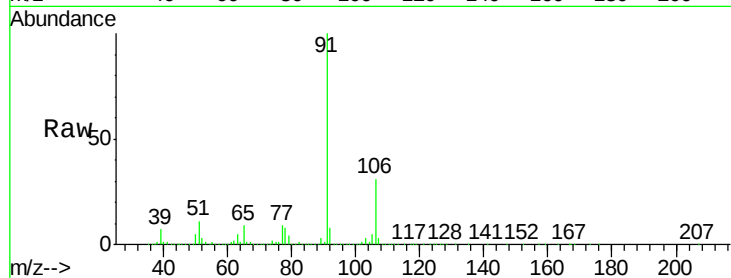




#67
Ethyl Benzene
Concen: 619.881 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW003312.D
Acq: 16 Jun 2018 00:02

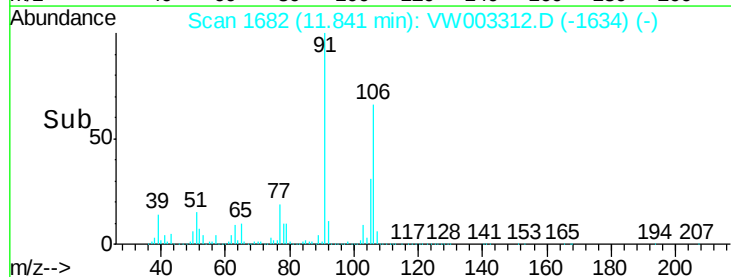
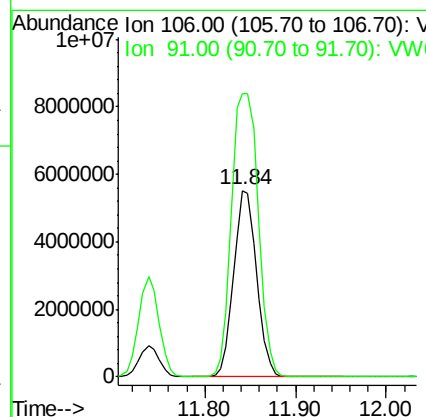
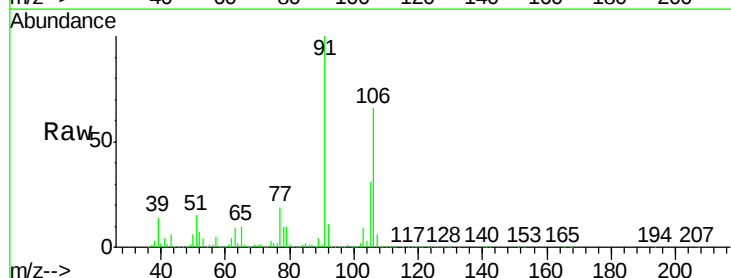
Instrument :
MSVOA_W
ClientSampled :

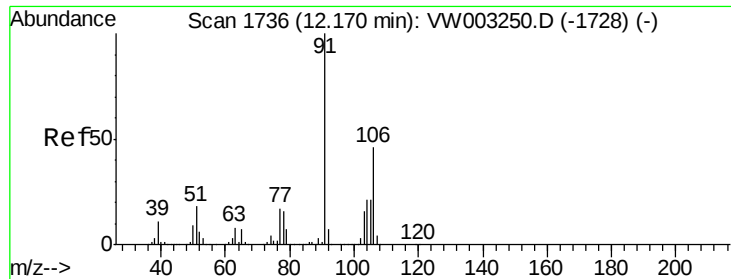
Tot Ion: 91 Resp: 4684211
Ion Ratio Lower Upper
91 100
106 31.3 24.7 37.1



#68
m/p-Xylenes
Concen: 3367.145 ug/l
RT: 11.84 min Scan# 1682
Delta R.T. -0.01 min
Lab File: VW003312.D
Acq: 16 Jun 2018 00:02

Tgt Ion: 106 Resp: 9672293
Ion Ratio Lower Upper
106 100
91 177.4 165.4 248.0

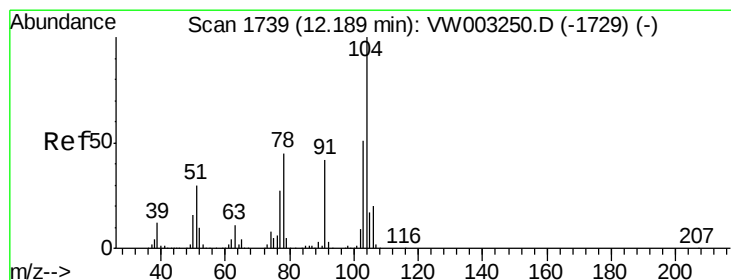
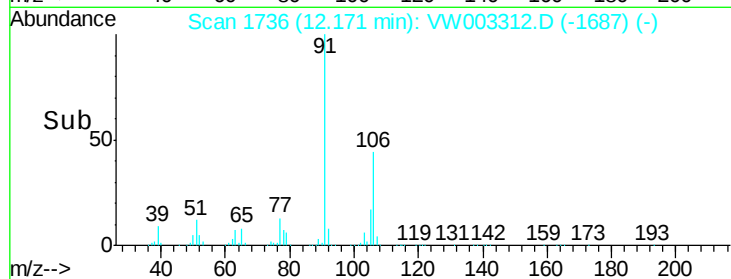
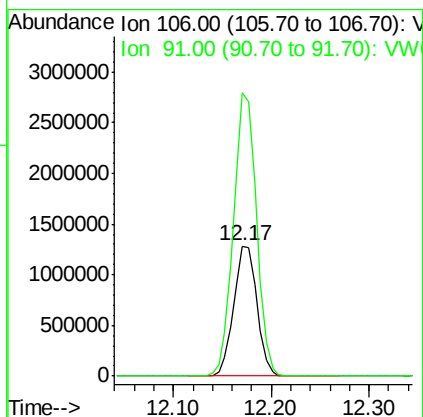
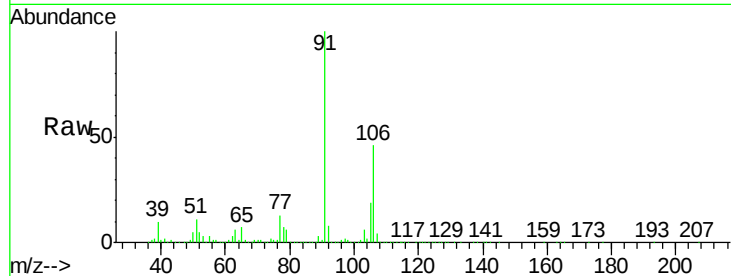




#69
o-Xylene
Concen: 792.884 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW003312.D
Acq: 16 Jun 2018 00:02

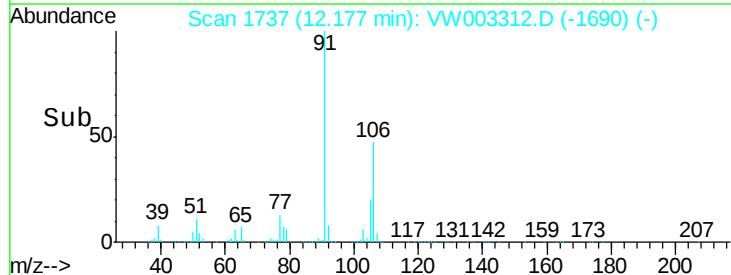
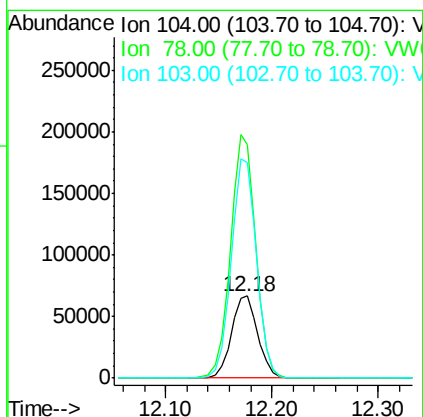
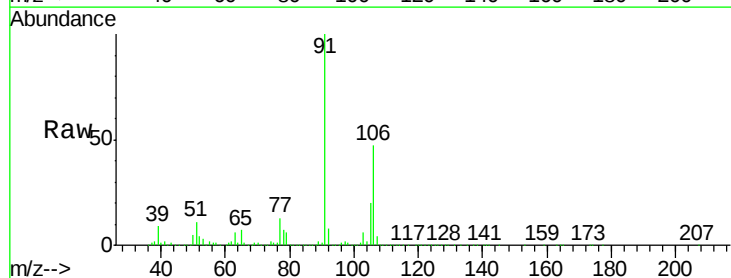
Instrument :
MSVOA_W
ClientSampled :

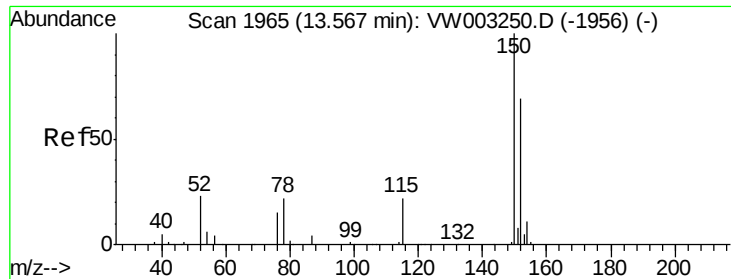
Tot Ion:106 Resp: 2110818
Ion Ratio Lower Upper
106 100
91 216.5 108.6 325.6



#70
Styrene
Concen: 26.002 ug/l
RT: 12.18 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VW003312.D
Acq: 16 Jun 2018 00:02

Tgt Ion:104 Resp: 115219
Ion Ratio Lower Upper
104 100
78 284.1 41.3 61.9#
103 256.5 45.0 67.4#



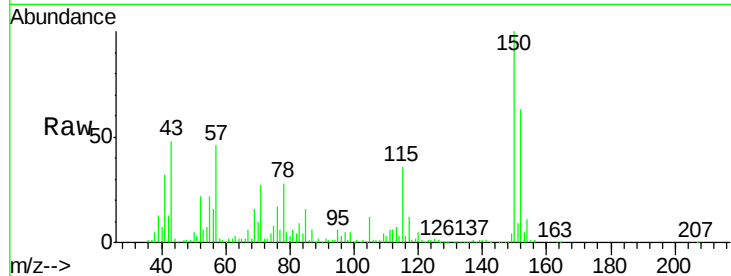


#72

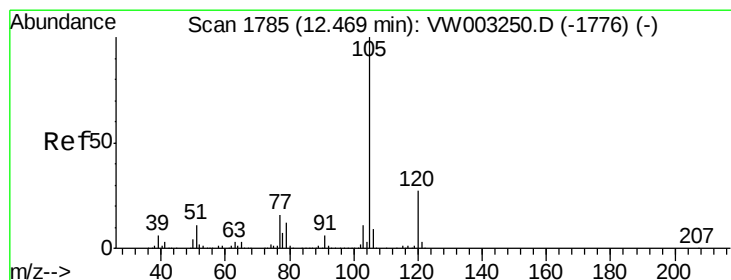
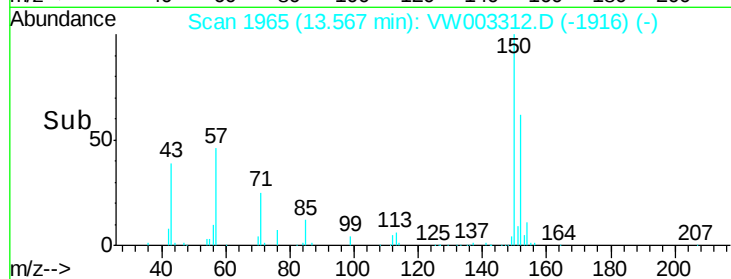
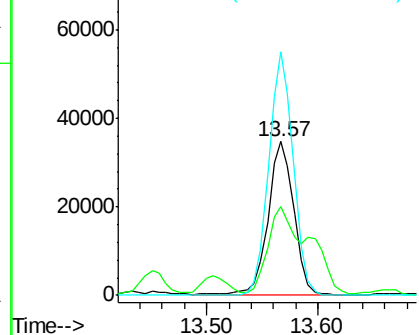
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW003312.D
Acq: 16 Jun 2018 00:02

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:152 Resp: 55743
Ion Ratio Lower Upper
152 100
115 89.0 29.3 88.0#
150 150.9 0.0 349.6



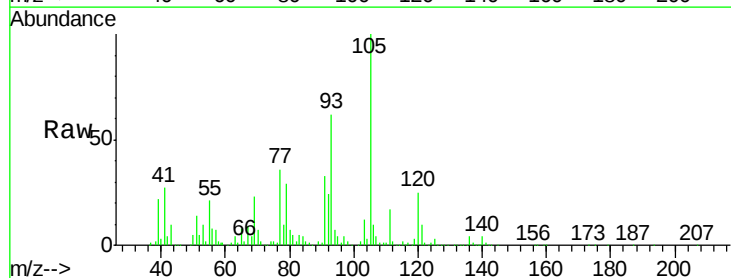
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



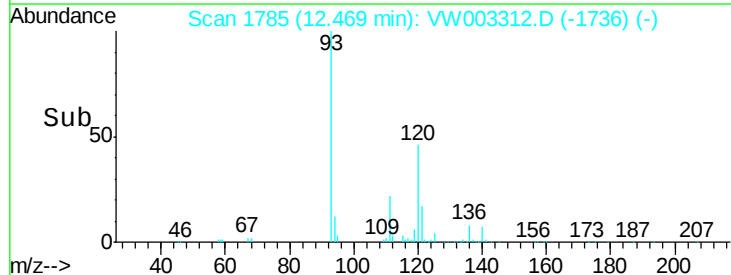
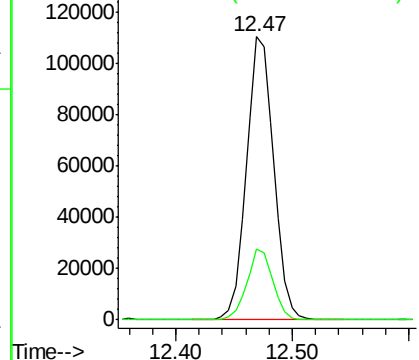
#73

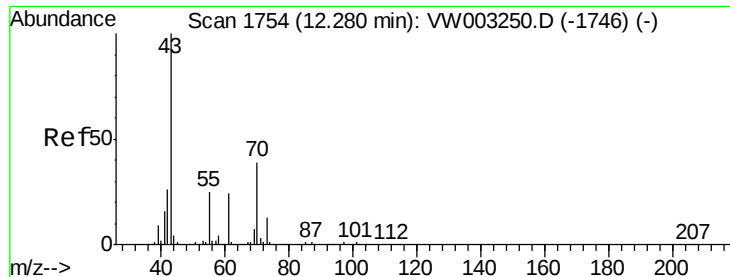
Isopropylbenzene
Concen: 46.236 ug/l
RT: 12.47 min Scan# 1785
Delta R.T. 0.00 min
Lab File: VW003312.D
Acq: 16 Jun 2018 00:02

Tgt Ion:105 Resp: 179266
Ion Ratio Lower Upper
105 100
120 24.2 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: 111.476 ug/l

RT: 12.26 min Scan# 1751

Delta R.T. -0.02 min

Lab File: VW003312.D

Acq: 16 Jun 2018 00:02

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 43 Resp: 98376

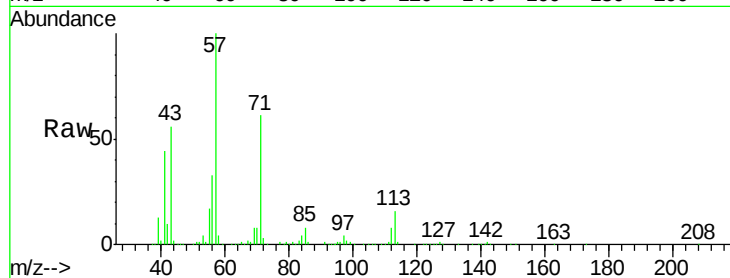
Ion Ratio Lower Upper

43 100

70 0.0 31.0 46.6#

55 0.0 19.7 29.5#

61 0.0 18.1 27.1#

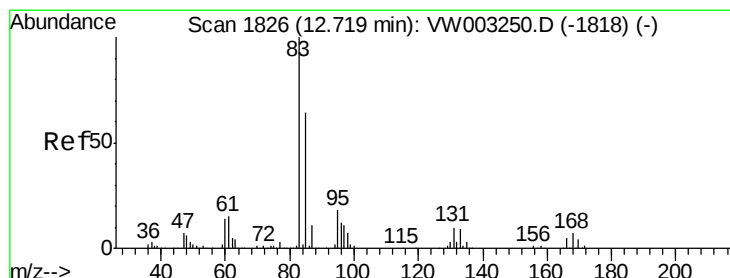
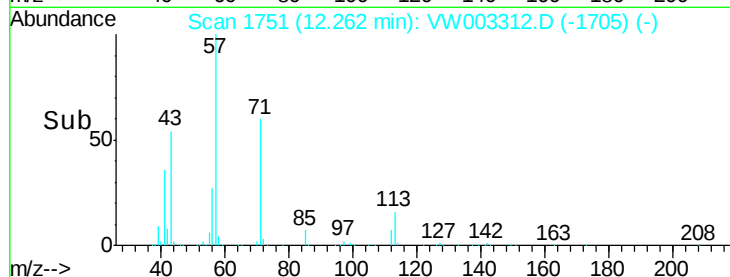
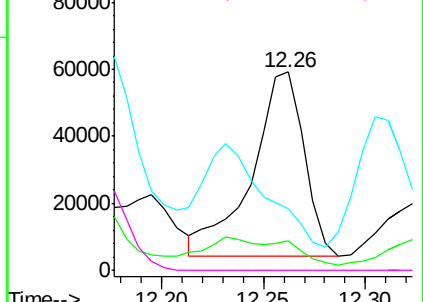


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 10.006 ug/l

RT: 12.71 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VW003312.D

Acq: 16 Jun 2018 00:02

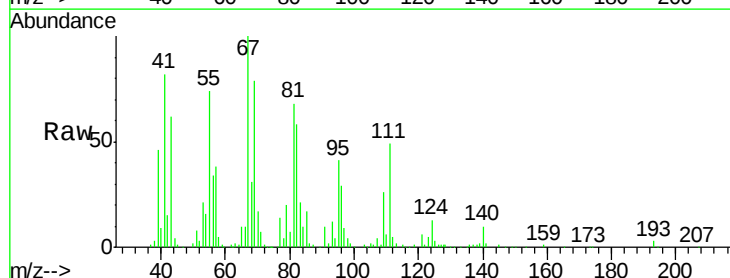
Tgt Ion: 83 Resp: 6563

Ion Ratio Lower Upper

83 100

131 0.0 5.4 16.2#

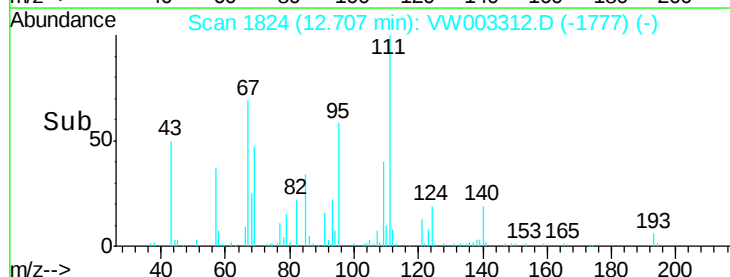
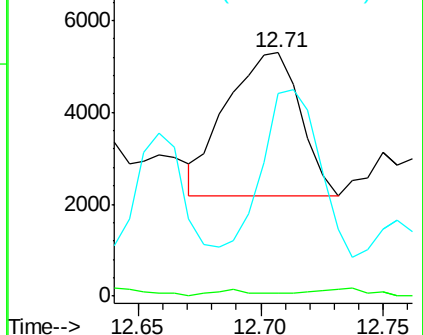
85 90.3 31.9 95.7

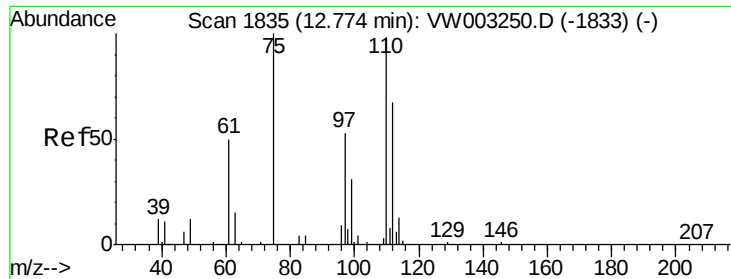


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW

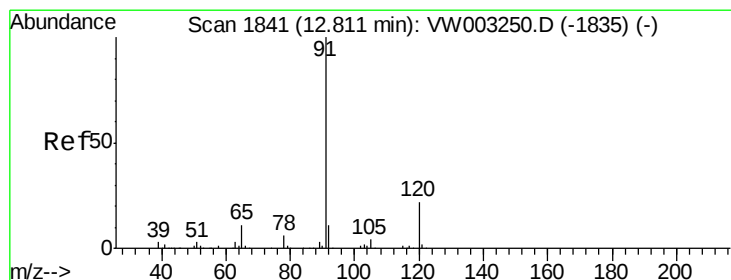
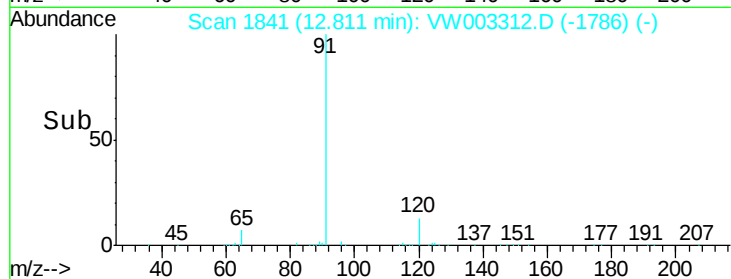
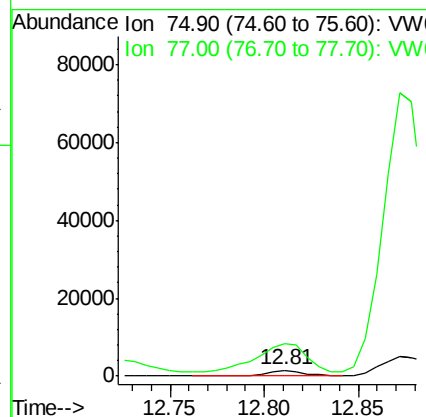
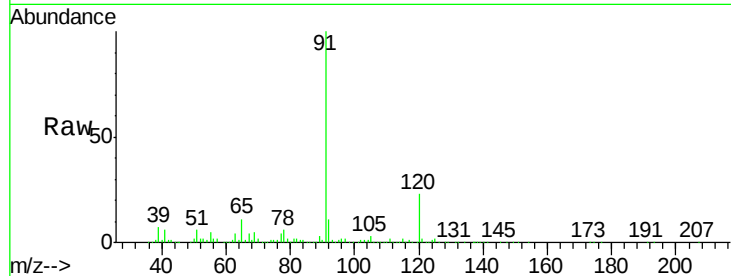




#76
 1,2,3-Trichloropropane
 Concen: 4.868 ug/l
 RT: 12.81 min Scan# 1841
 Delta R.T. 0.04 min
 Lab File: VW003312.D
 Acq: 16 Jun 2018 00:02

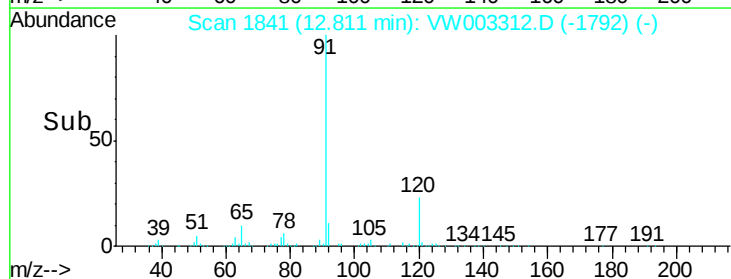
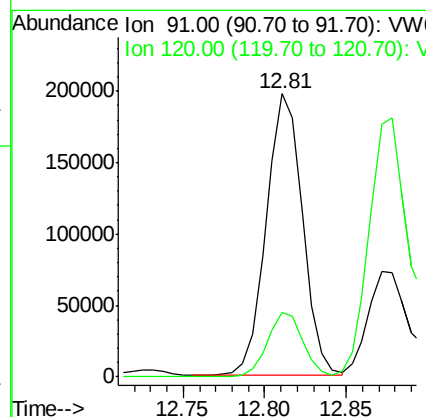
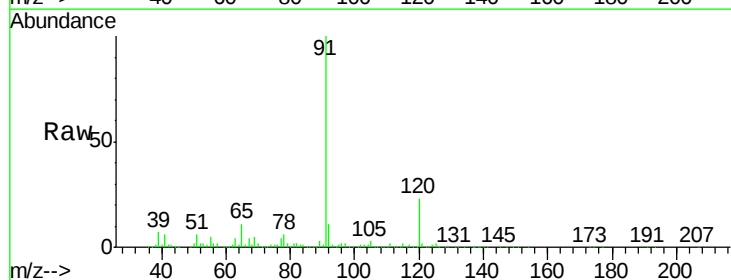
Instrument :
 MSVOA_W
 ClientSampled :

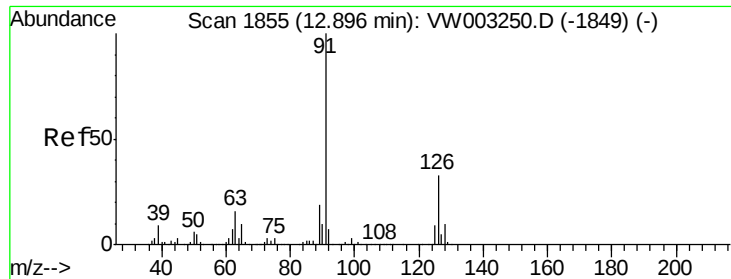
Tot Ion: 75 Resp: 2320
 Ion Ratio Lower Upper
 75 100
 77 584.4 0.0 0.0#



#78
 n-propylbenzene
 Concen: 64.310 ug/l
 RT: 12.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VW003312.D
 Acq: 16 Jun 2018 00:02

Tgt Ion: 91 Resp: 305312
 Ion Ratio Lower Upper
 91 100
 120 22.3 11.3 33.8

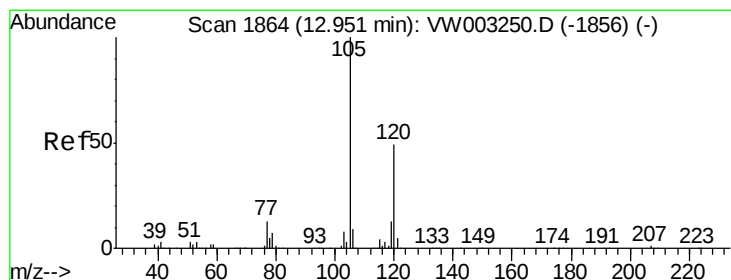
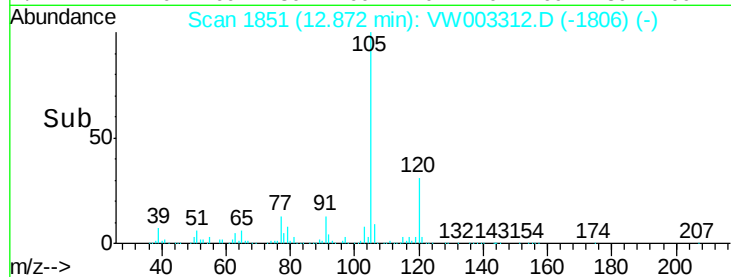
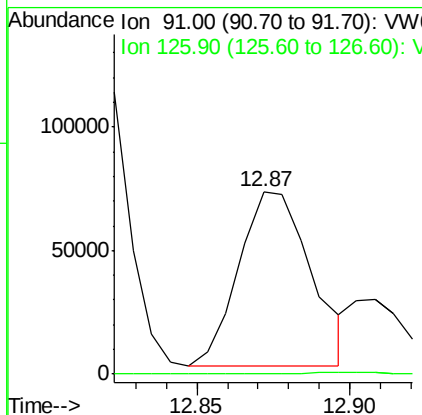
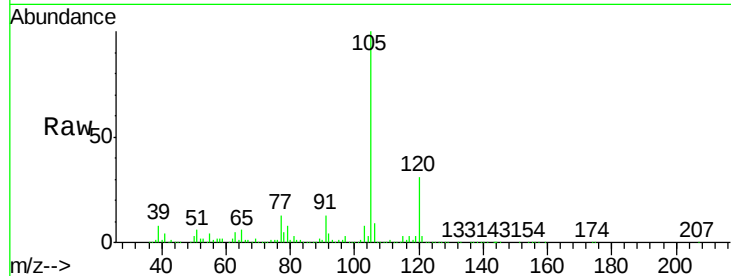




#79
 2-Chlorotoluene
 Concen: 43.132 ug/l
 RT: 12.87 min Scan# 1851
 Delta R.T. -0.02 min
 Lab File: VW003312.D
 Acq: 16 Jun 2018 00:02

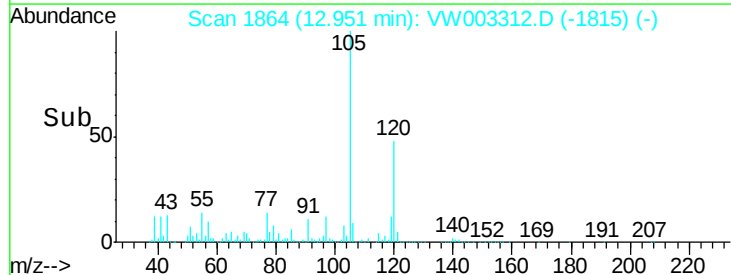
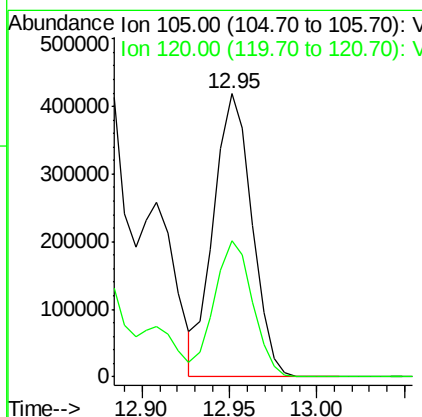
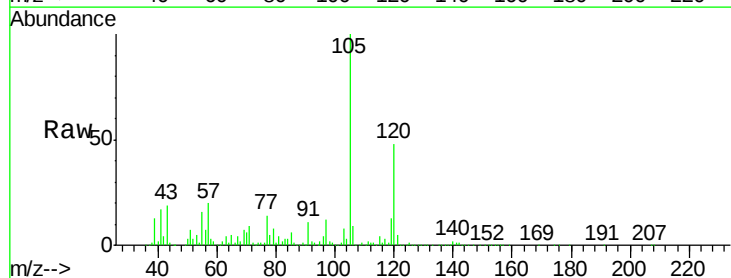
Instrument :
 MSVOA_W
 ClientSampled :

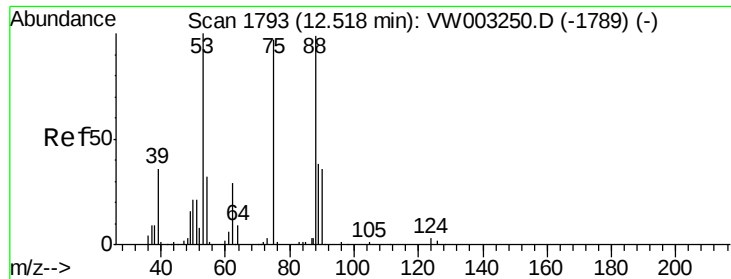
Tot Ion: 91 Resp: 115719
 Ion Ratio Lower Upper
 91 100
 126 0.2 16.8 50.4#



#80
 1,3,5-Trimethylbenzene
 Concen: 196.294 ug/l
 RT: 12.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VW003312.D
 Acq: 16 Jun 2018 00:02

Tgt Ion:105 Resp: 638815
 Ion Ratio Lower Upper
 105 100
 120 48.3 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 14.230 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. -0.05 min

Lab File: VW003312.D

Acq: 16 Jun 2018 00:02

Instrument :

MSVOA_W

ClientSampleId :

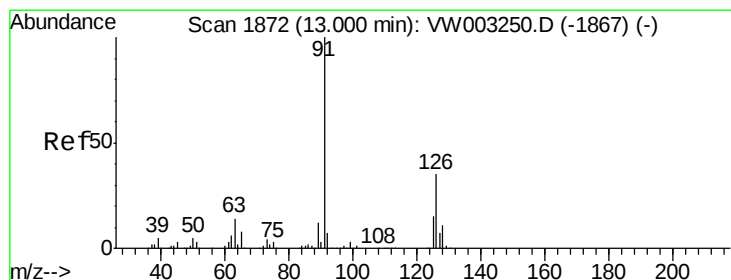
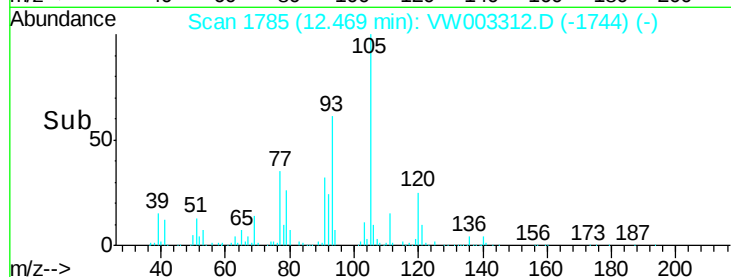
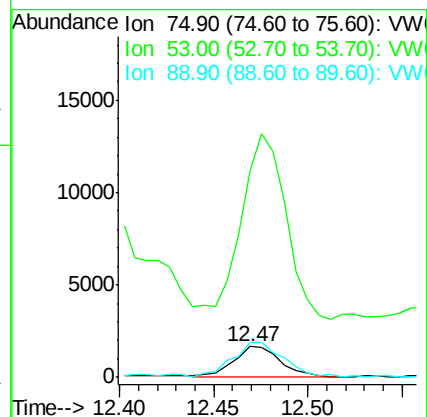
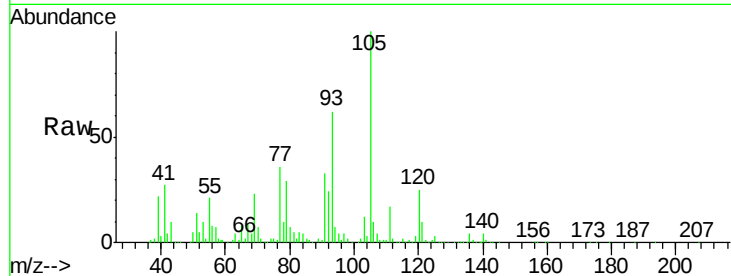
Tot Ion: 75 Resp: 2947

Ion Ratio Lower Upper

75 100

53 584.1 82.9 124.3#

89 121.4 36.7 55.1#



#82

4-Chlorotoluene

Concen: 23.296 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. -0.05 min

Lab File: VW003312.D

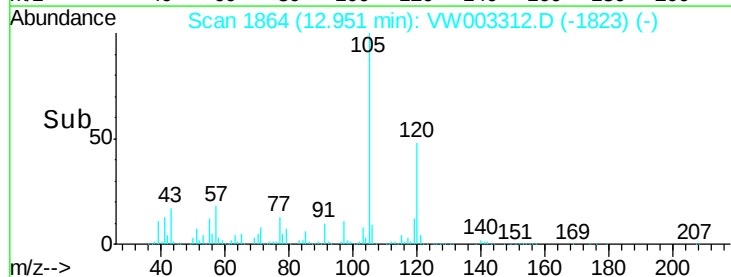
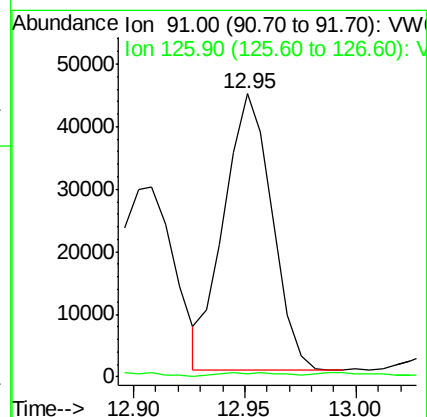
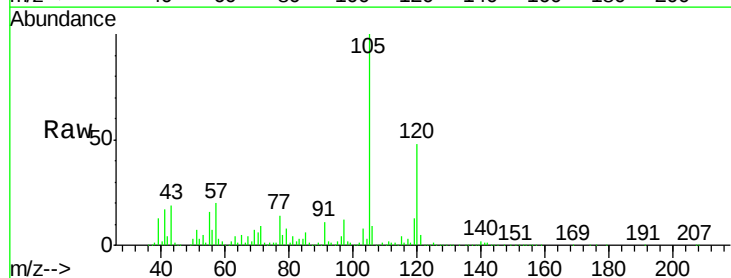
Acq: 16 Jun 2018 00:02

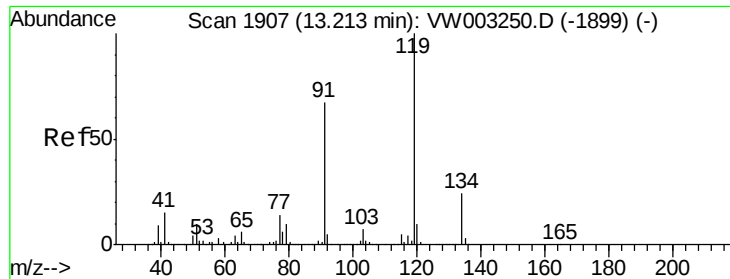
Tgt Ion: 91 Resp: 66302

Ion Ratio Lower Upper

91 100

126 1.8 16.8 50.3#

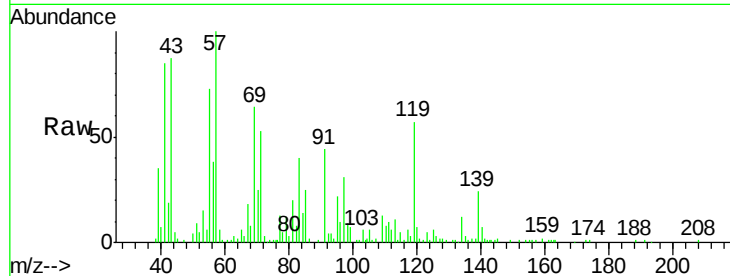




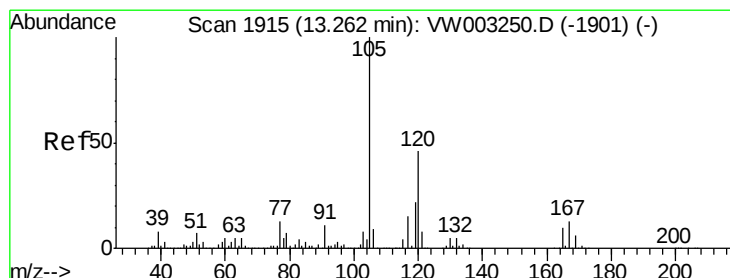
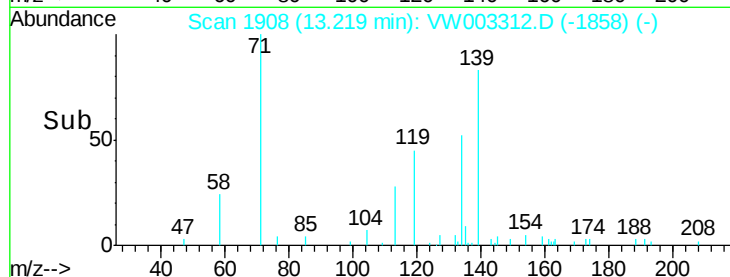
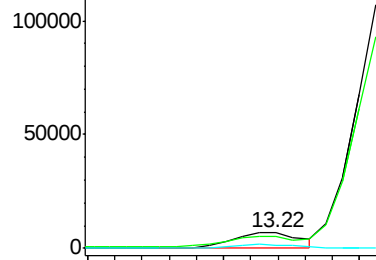
#83
tert-Butylbenzene
Concen: 4.148 ug/l
RT: 13.22 min Scan# 1908
Delta R.T. 0.01 min
Lab File: VW003312.D
Acq: 16 Jun 2018 00:02

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:119 Resp: 11505
Ion Ratio Lower Upper
119 100
91 66.2 33.9 101.7
134 26.8 13.4 40.1

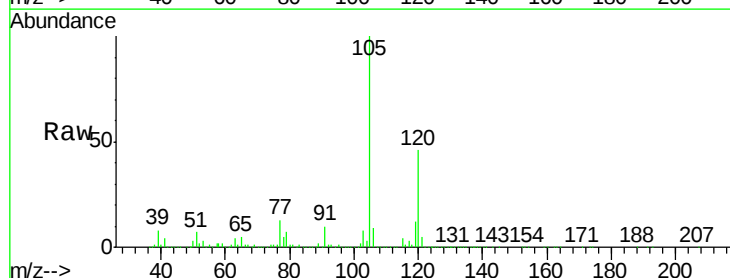


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

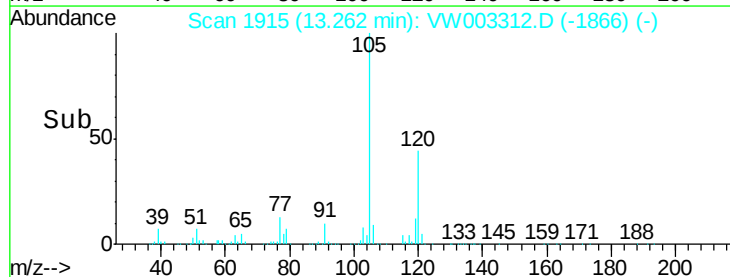
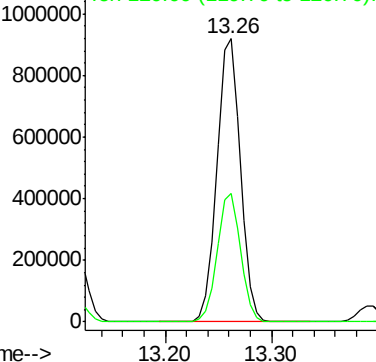


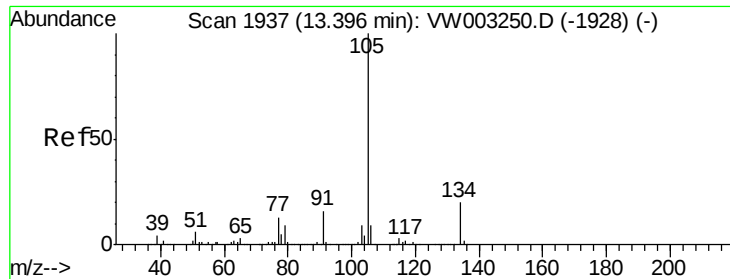
#84
1,2,4-Trimethylbenzene
Concen: 424.636 ug/l
RT: 13.26 min Scan# 1915
Delta R.T. 0.00 min
Lab File: VW003312.D
Acq: 16 Jun 2018 00:02

Tgt Ion:105 Resp: 1421543
Ion Ratio Lower Upper
105 100
120 45.2 22.5 67.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.274 ug/l

RT: 13.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VW003312.D

Acq: 16 Jun 2018 00:02

Instrument :

MSVOA_W

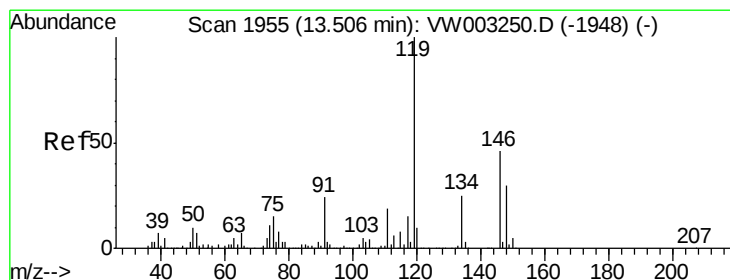
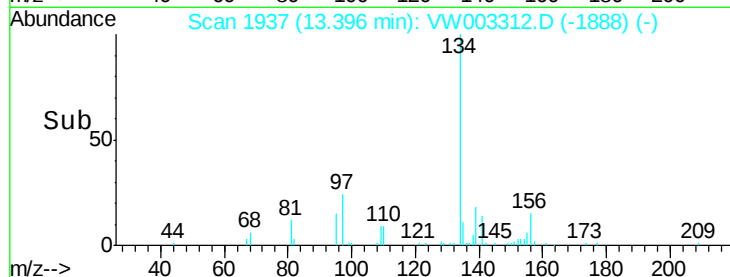
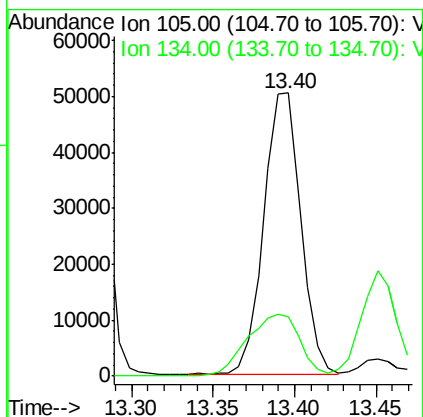
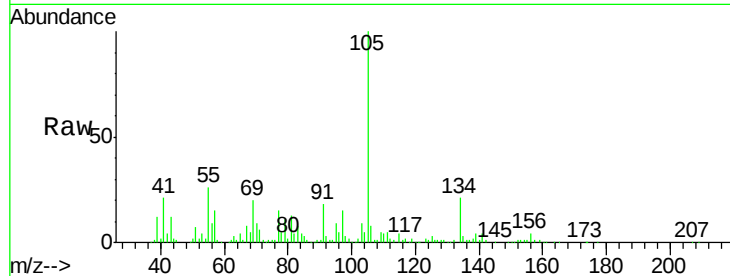
ClientSampled :

Tot Ion:105 Resp: 79456

Ion Ratio Lower Upper

105 100

134 31.3 9.8 29.5#



#86

p-Isopropyltoluene

Concen: 21.746 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW003312.D

Acq: 16 Jun 2018 00:02

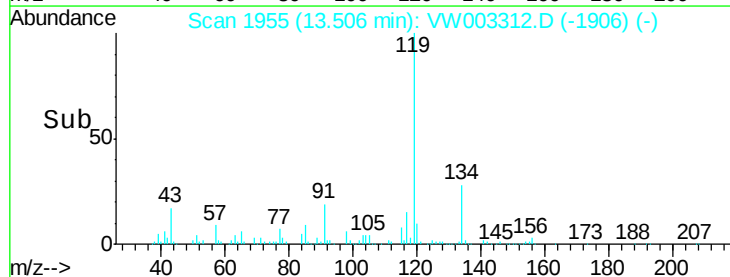
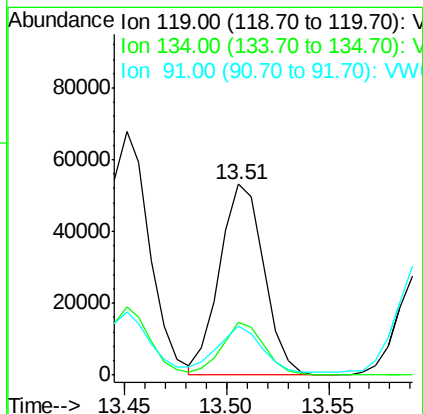
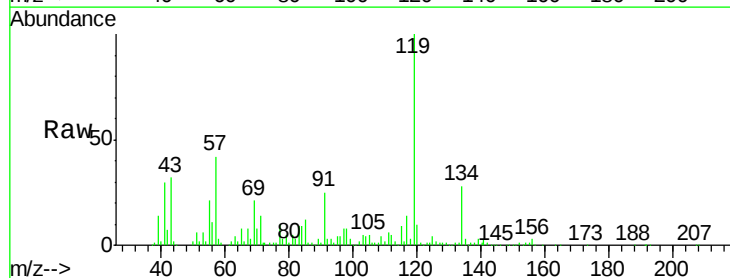
Tgt Ion:119 Resp: 79069

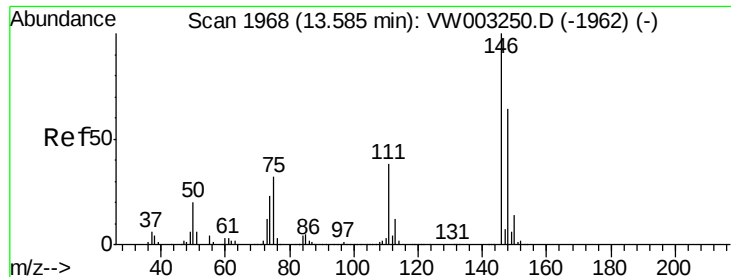
Ion Ratio Lower Upper

119 100

134 26.5 12.9 38.7

91 24.3 11.8 35.3

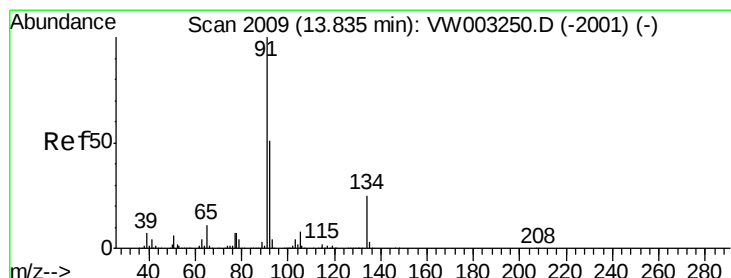
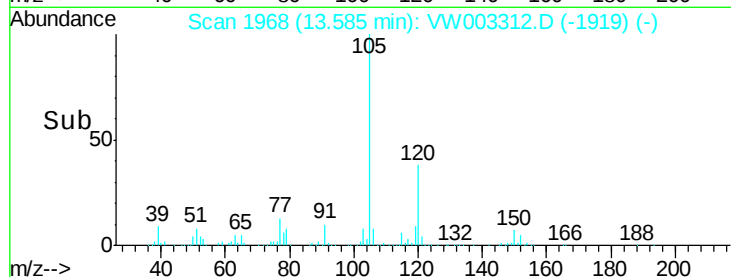
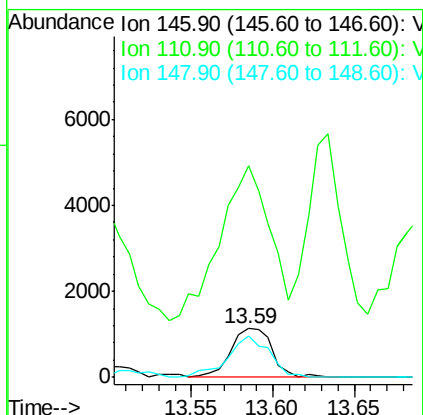
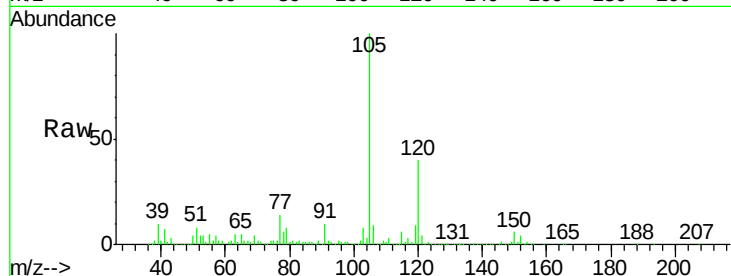




#88
 1,4-Dichlorobenzene
 Concen: 1.094 ug/l
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW003312.D
 Acq: 16 Jun 2018 00:02

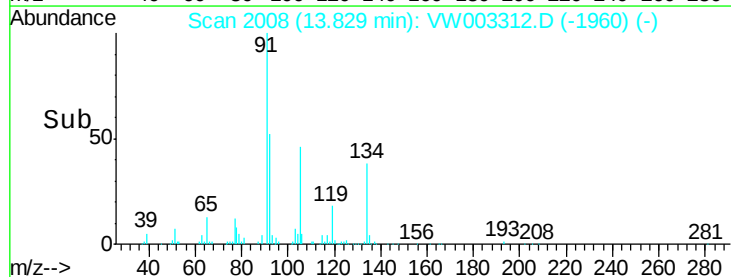
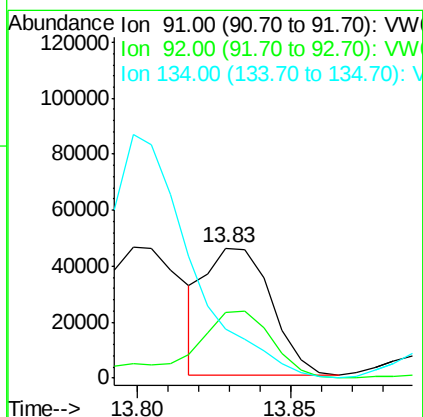
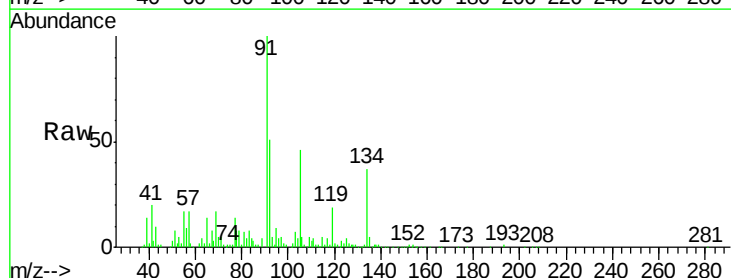
Instrument :
 MSVOA_W
 ClientSampleId :

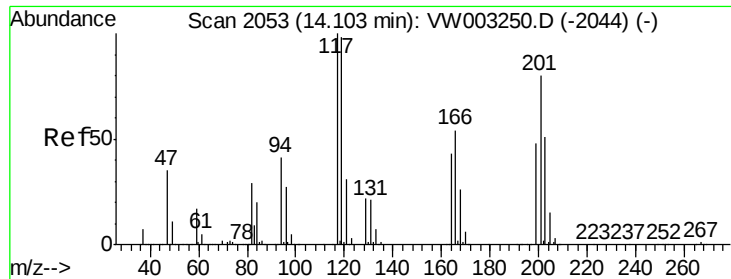
Tot Ion:146 Resp: 2018
 Ion Ratio Lower Upper
 146 100
 111 383.9 19.2 57.6#
 148 84.0 31.8 95.4



#89
 n-Butylbenzene
 Concen: 18.926 ug/l
 RT: 13.83 min Scan# 2008
 Delta R.T. -0.01 min
 Lab File: VW003312.D
 Acq: 16 Jun 2018 00:02

Tgt Ion: 91 Resp: 67078
 Ion Ratio Lower Upper
 91 100
 92 67.0 26.0 78.0
 134 0.0 12.7 38.0#





#90

Hexachloroethane

Concen: 58.181 ug/l

RT: 14.11 min Scan# 2054

Delta R.T. 0.01 min

Lab File: VW003312.D

Acq: 16 Jun 2018 00:02

Instrument :

MSVOA_W

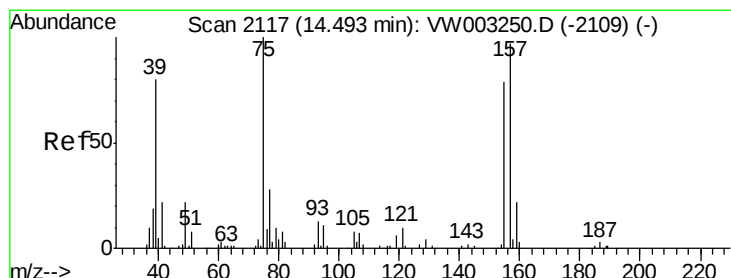
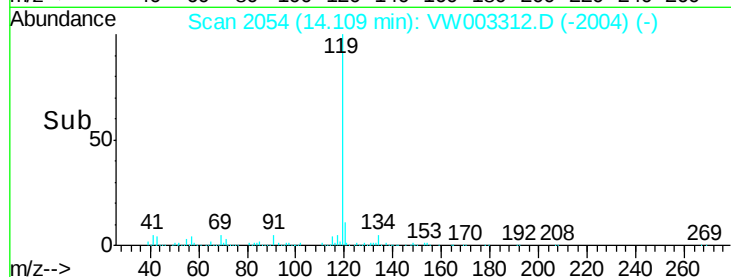
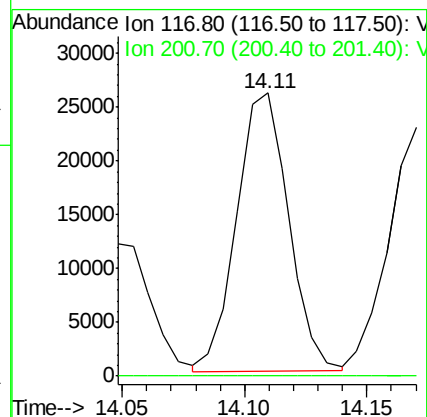
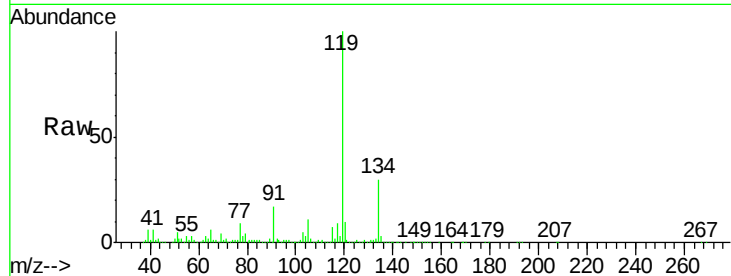
ClientSampleId :

Tot Ion:117 Resp: 38268

Ion Ratio Lower Upper

117 100

201 0.0 39.5 118.5#



#92

1,2-Dibromo-3-Chloropropane

Concen: 5.916 ug/l

RT: 14.51 min Scan# 2120

Delta R.T. 0.02 min

Lab File: VW003312.D

Acq: 16 Jun 2018 00:02

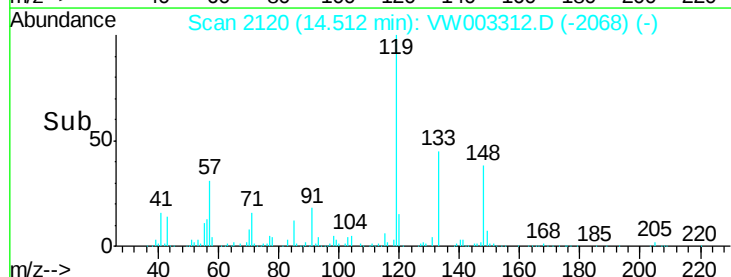
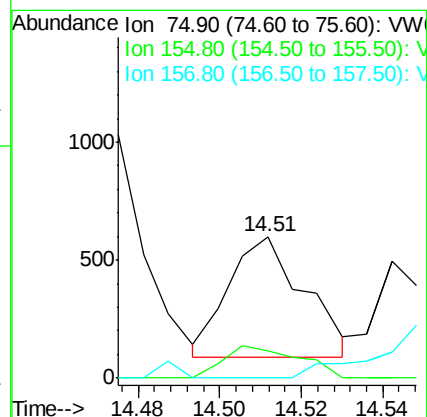
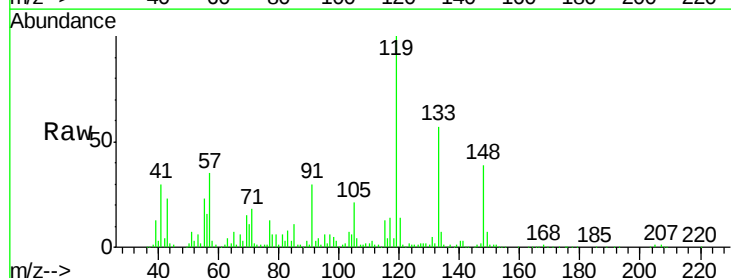
Tgt Ion: 75 Resp: 653

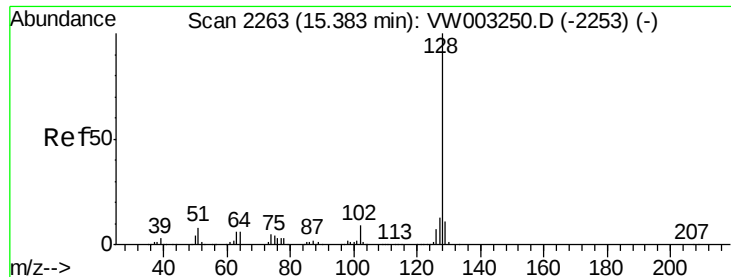
Ion Ratio Lower Upper

75 100

155 27.0 39.4 118.2#

157 0.0 51.5 154.5#

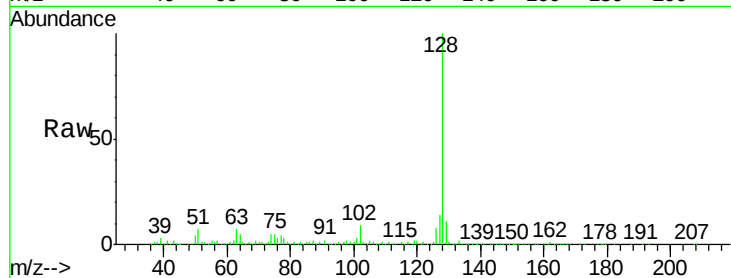




#95
Naphthalene
Concen: 132.397 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. -0.01 min
Lab File: VW003312.D
Acq: 16 Jun 2018 00:02

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.5	15.7
129	11.2	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

