

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122418\
 Data File : VW007863.D
 Acq On : 23 Dec 2018 00:05
 Operator : SY/AP
 Sample : J6511-05
 Misc : 2.91G/5ML/MSVOA_W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-61(0-5)-GRAB

Quant Time: Dec 23 23:58:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	9746	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	16297	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	4625	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	305	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	7577	70.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	141.86%	
35) Dibromofluoromethane	7.88	113	7248	72.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	145.80%	
50) Toluene-d8	10.33	98	12937	34.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	69.04%	
62) 4-Bromofluorobenzene	12.62	95	858	5.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.86%	

Target Compounds

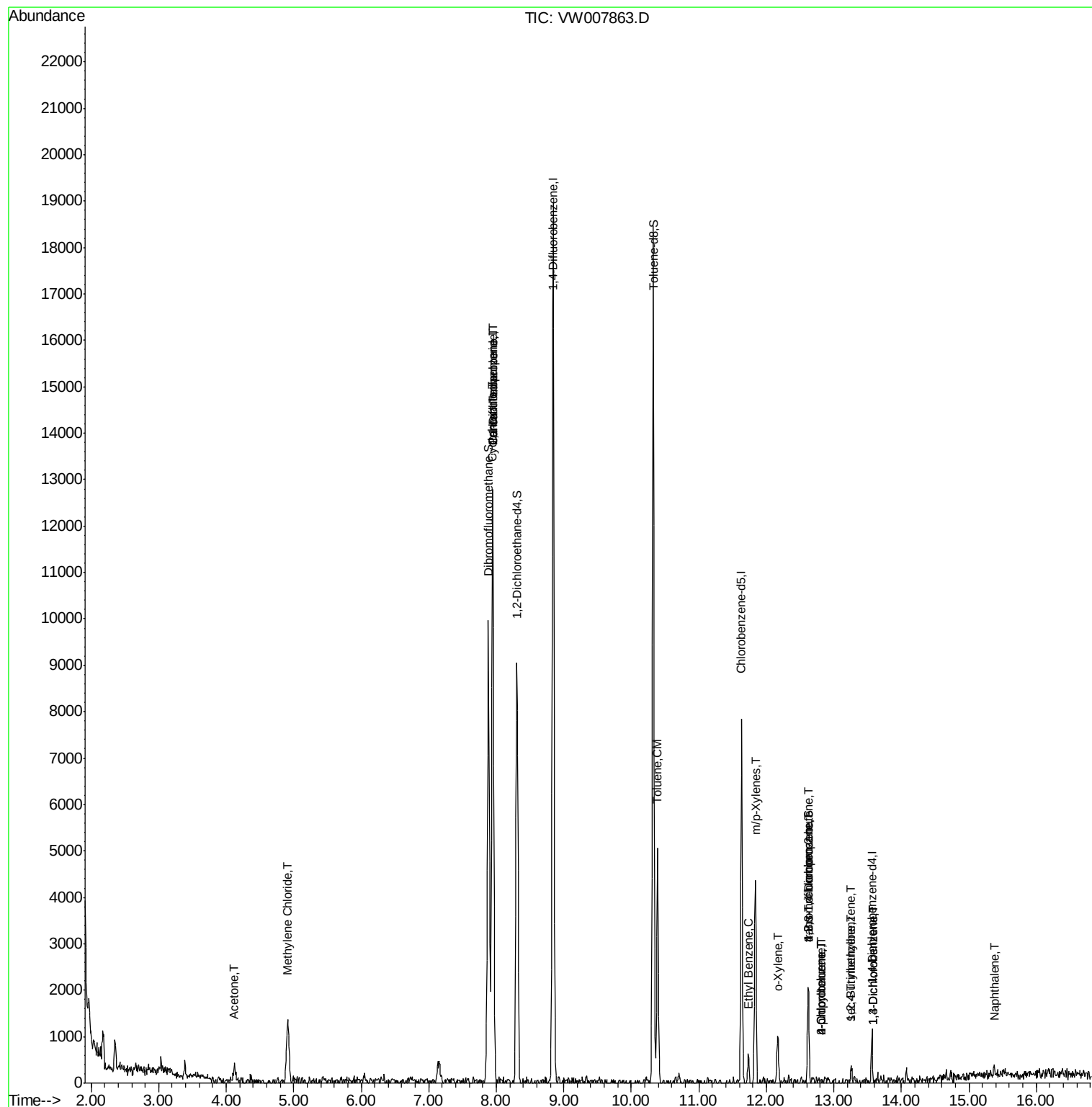
						Qvalue
16) Acetone	4.12	43	622	31.095	ug/l #	71
20) Methylene Chloride	4.91	84	1024	4.498	ug/l #	90
31) Cyclohexane	7.94	56	170	1.069	ug/l #	6
36) 1,1-Dichloropropene	7.95	75	757	4.813	ug/l #	40
38) Carbon Tetrachloride	7.95	117	1110	5.992	ug/l #	11
52) Toluene	10.39	92	2450	8.700	ug/l	95
67) Ethyl Benzene	11.73	91	628	3.656	ug/l #	85
68) m/p-Xylenes	11.84	106	1409	21.145	ug/l	97
69) o-Xylene	12.18	106	341	5.459	ug/l	72
76) 1,2,3-Trichloropropane	12.62	75	443	187.922	ug/l #	100
78) n-propylbenzene	12.81	91	59	2.198	ug/l #	52
79) 2-Chlorotoluene	12.81	91	59	3.774	ug/l #	41
81) trans-1,4-Dichloro-2-buten	12.62	75	443	394.461	ug/l #	9
82) 4-Chlorotoluene	12.81	91	59	3.544	ug/l #	42
84) 1,2,4-Trimethylbenzene	13.25	105	323	16.097	ug/l #	60
85) sec-Butylbenzene	13.25	105	323	13.432	ug/l #	56
87) 1,3-Dichlorobenzene	13.58	146	19	1.811	ug/l #	24
88) 1,4-Dichlorobenzene	13.58	146	19	1.811	ug/l #	24
95) Naphthalene	15.38	128	219	18.168	ug/l #	69

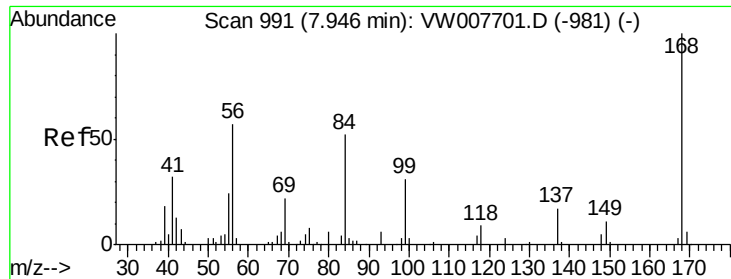
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW007863.D

Acq: 23 Dec 2018 00:05

Instrument :

MSVOA_W

ClientSampleId :

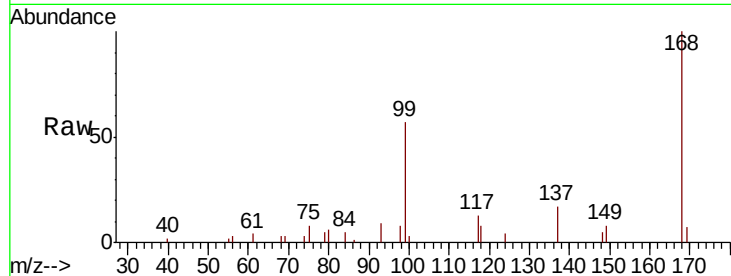
SB-61(0-5)-GRAB

Tgt Ion:168 Resp: 9746

Ion Ratio Lower Upper

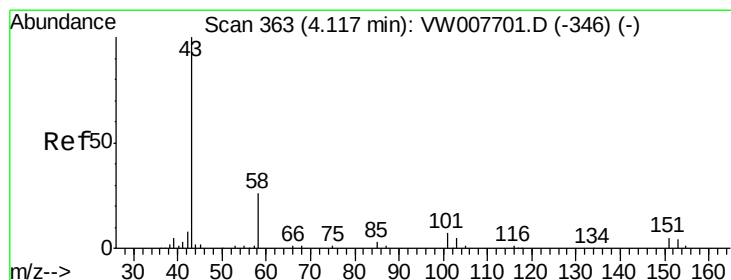
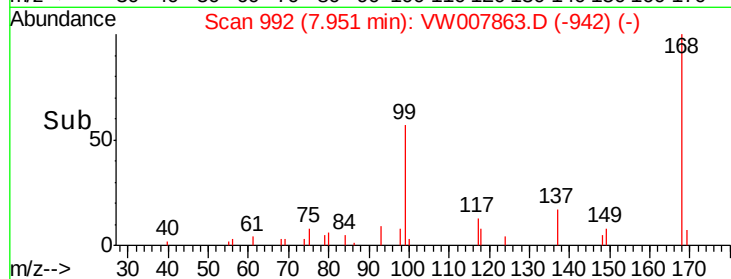
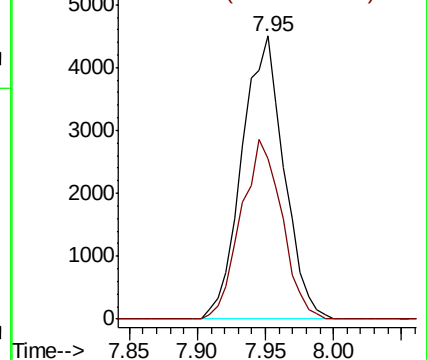
168 100

99 56.7 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 31.095 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW007863.D

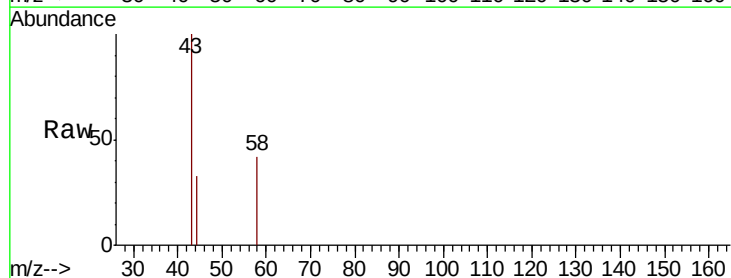
Acq: 23 Dec 2018 00:05

Tgt Ion: 43 Resp: 622

Ion Ratio Lower Upper

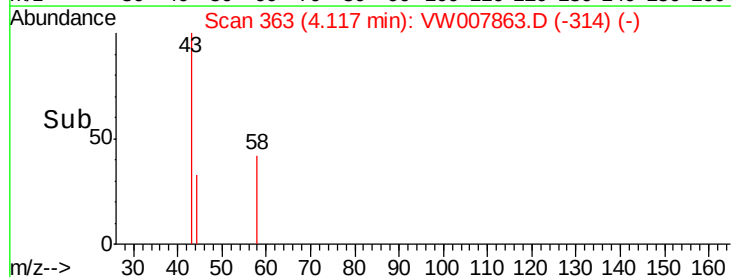
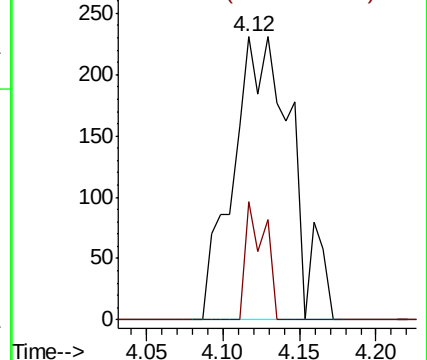
43 100

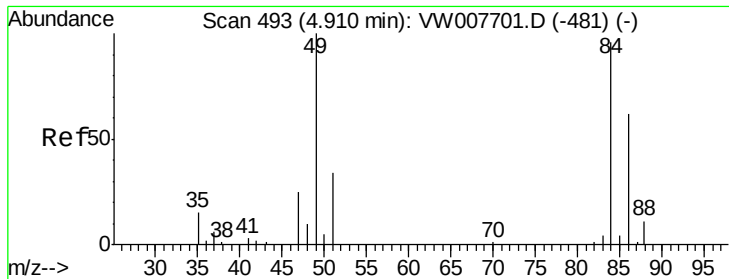
58 41.6 21.2 31.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#20

Methylene Chloride

Concen: 4.498 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW007863.D

Acq: 23 Dec 2018 00:05

Instrument :

MSVOA_W

ClientSampleId :

SB-61(0-5)-GRAB

Tgt Ion: 84 Resp: 1024

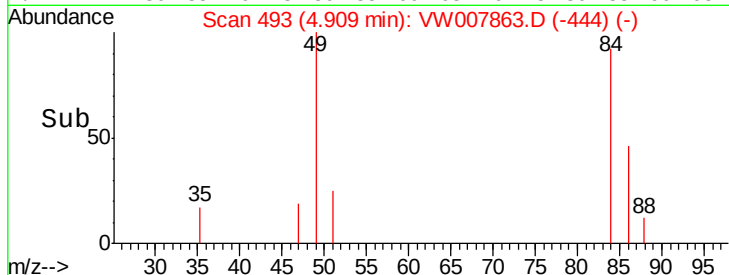
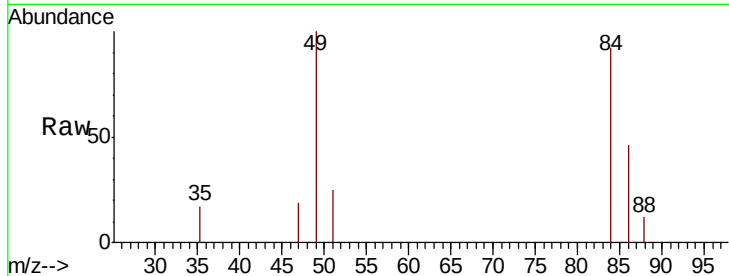
Ion Ratio Lower Upper

84 100

49 108.4 83.7 125.5

51 27.4 28.2 42.2#

86 50.1 52.2 78.2#

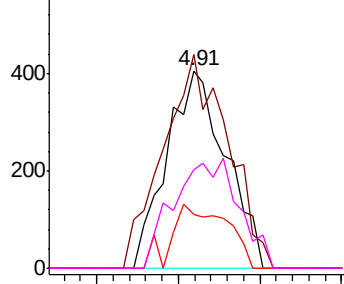


Abundance Ion 83.90 (83.60 to 84.60): VW

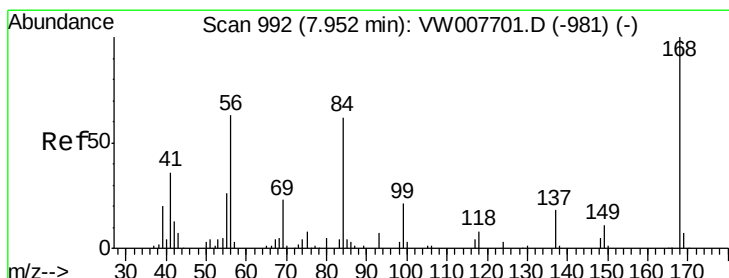
Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



Time-->



#31

Cyclohexane

Concen: 1.069 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW007863.D

Acq: 23 Dec 2018 00:05

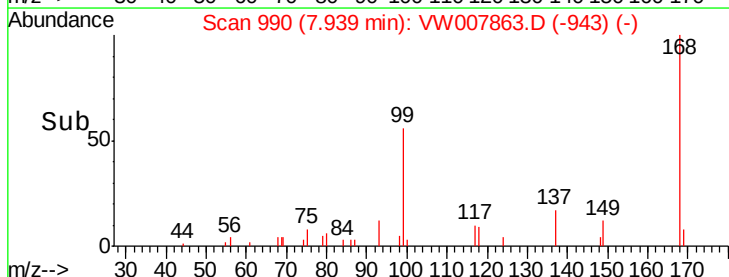
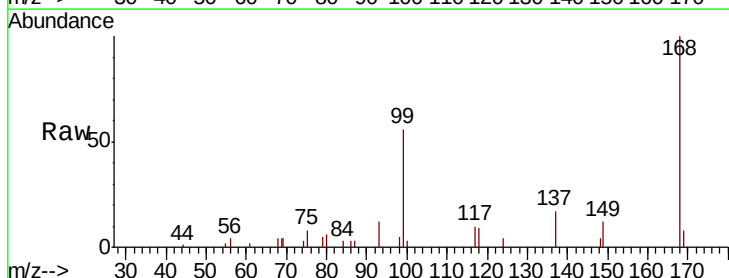
Tgt Ion: 56 Resp: 170

Ion Ratio Lower Upper

56 100

69 185.5 29.7 44.5#

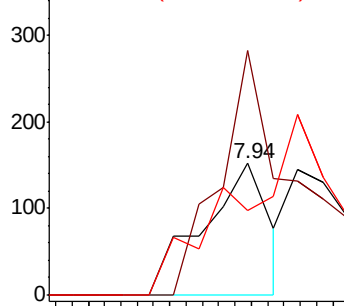
84 63.8 78.9 118.3#



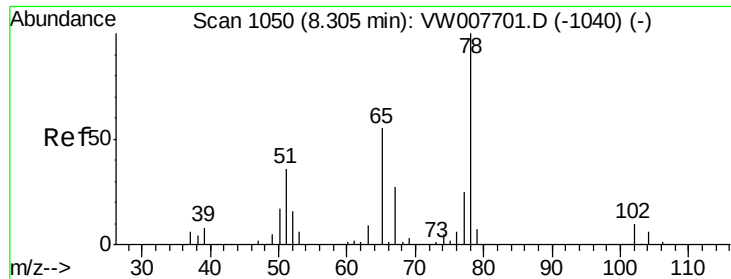
Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



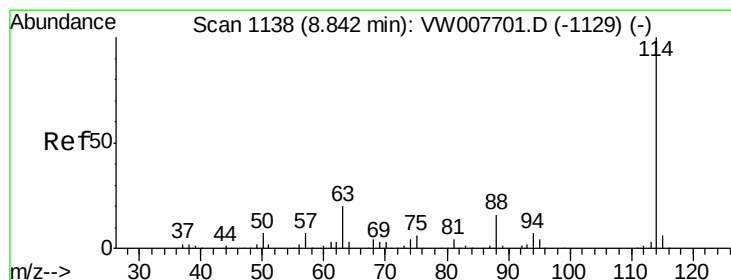
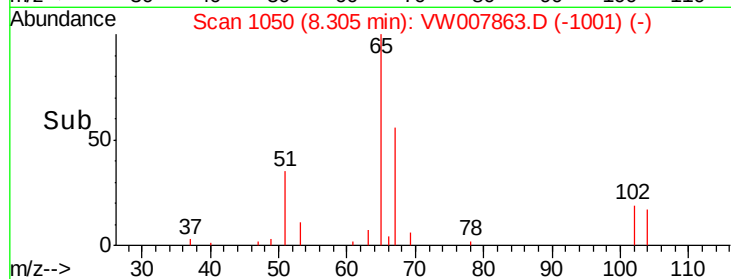
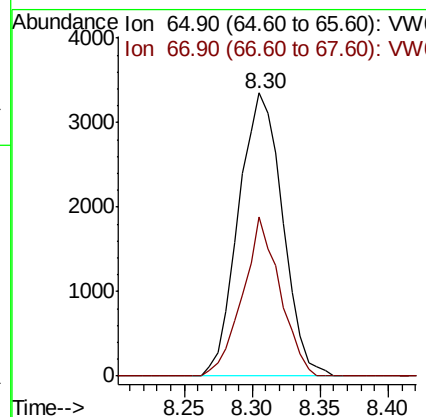
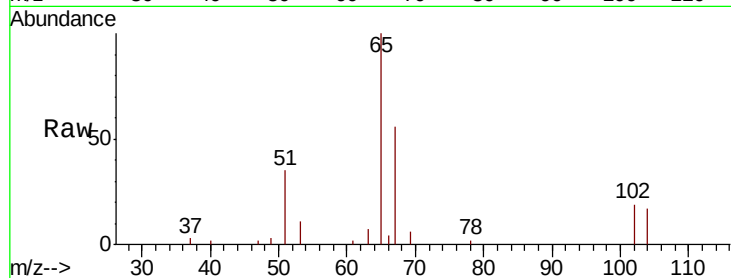
Time-->



#33
 1,2-Dichloroethane-d4
 Concen: 70.932 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007863.D
 Acq: 23 Dec 2018 00:05

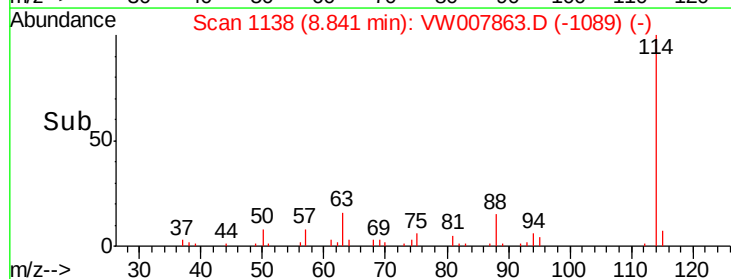
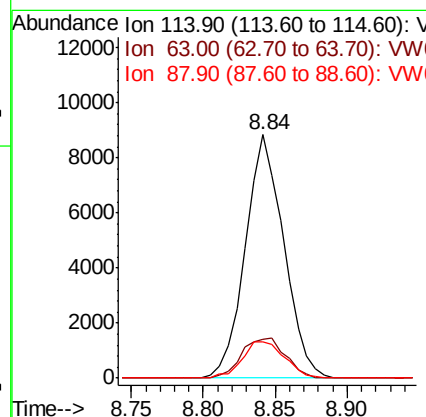
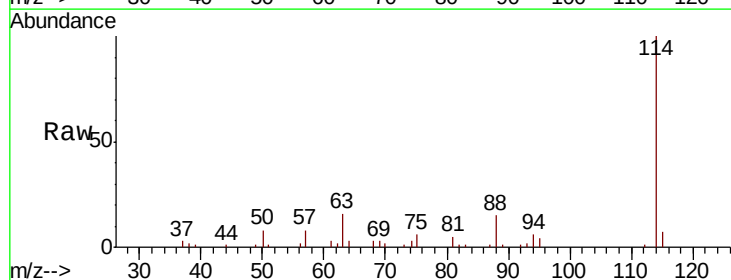
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-61(0-5)-GRAB

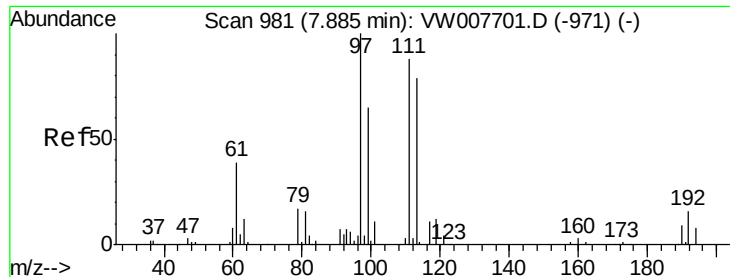
Tgt Ion: 65 Resp: 7577
 Ion Ratio Lower Upper
 65 100
 67 47.7 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007863.D
 Acq: 23 Dec 2018 00:05

Tgt Ion: 114 Resp: 16297
 Ion Ratio Lower Upper
 114 100
 63 16.1 0.0 40.0
 88 15.0 0.0 32.6





#35

Dibromofluoromethane

Concen: 72.903 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007863.D

Acq: 23 Dec 2018 00:05

Instrument :

MSVOA_W

ClientSampleId :

SB-61(0-5)-GRAB

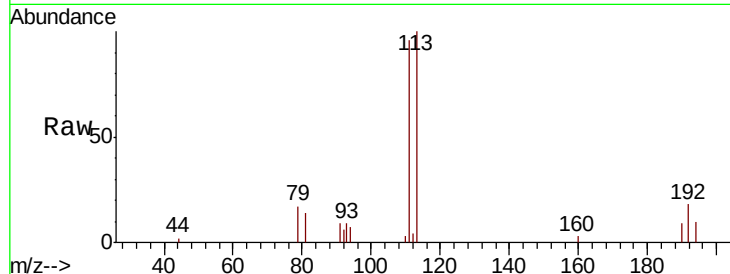
Tgt Ion:113 Resp: 7248

Ion Ratio Lower Upper

113 100

111 102.8 82.6 124.0

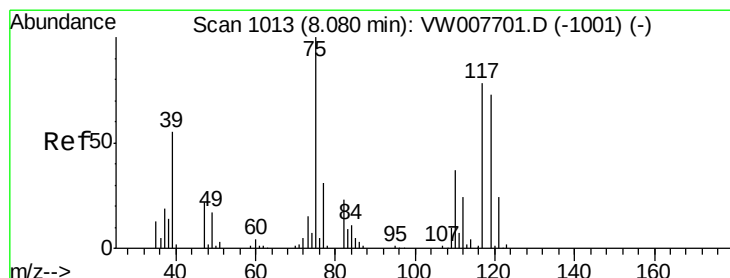
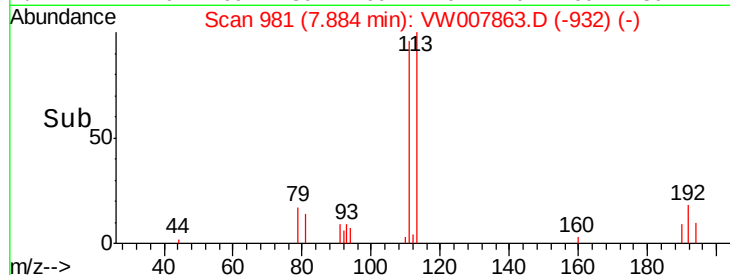
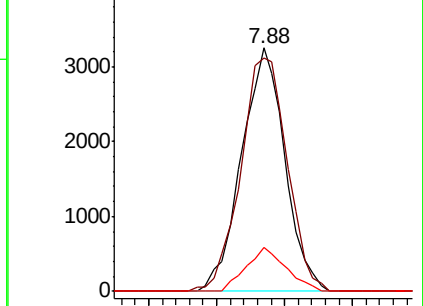
192 16.6 15.5 23.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.813 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW007863.D

Acq: 23 Dec 2018 00:05

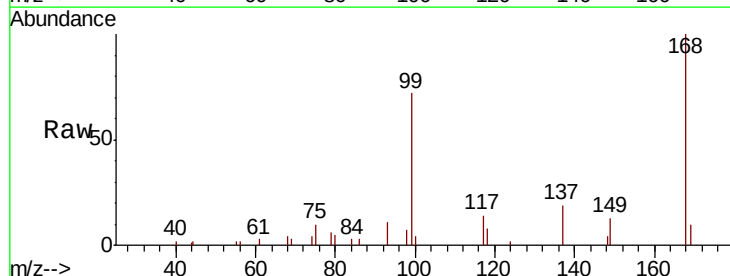
Tgt Ion: 75 Resp: 757

Ion Ratio Lower Upper

75 100

110 0.0 18.6 55.8#

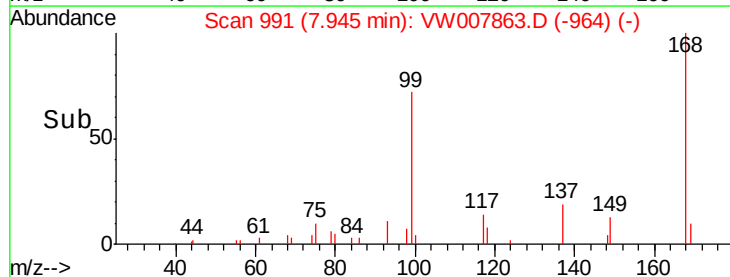
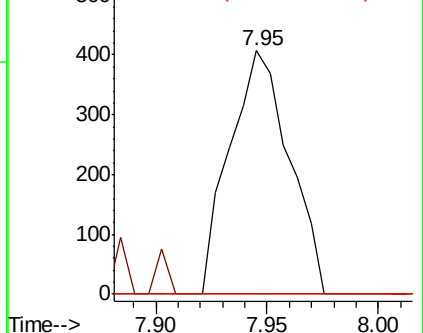
77 0.0 25.0 37.4#

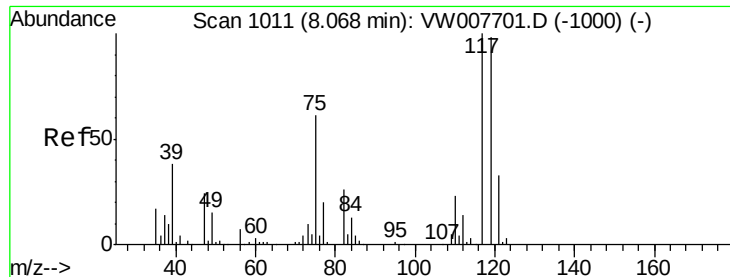


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

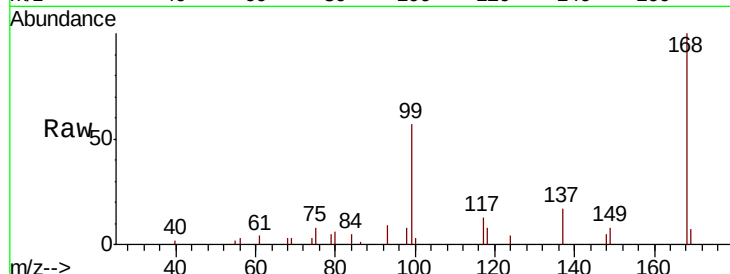




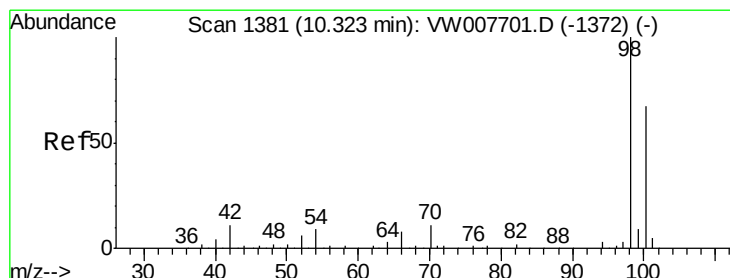
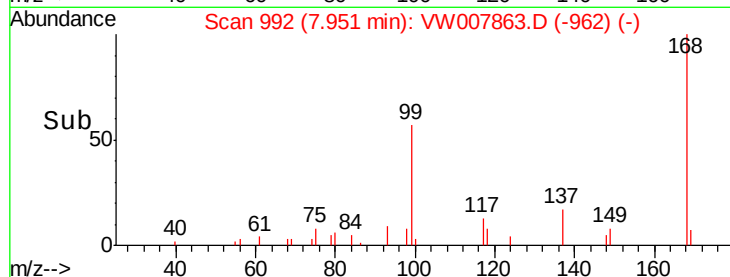
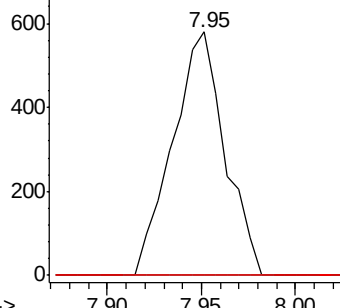
#38
Carbon Tetrachloride
Concen: 5.992 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW007863.D
Acq: 23 Dec 2018 00:05

Instrument :
MSVOA_W
ClientSampleId :
SB-61(0-5)-GRAB

Tgt Ion:117 Resp: 1110
Ion Ratio Lower Upper
117 100
119 0.0 78.2 117.2#
121 0.0 26.1 39.1#

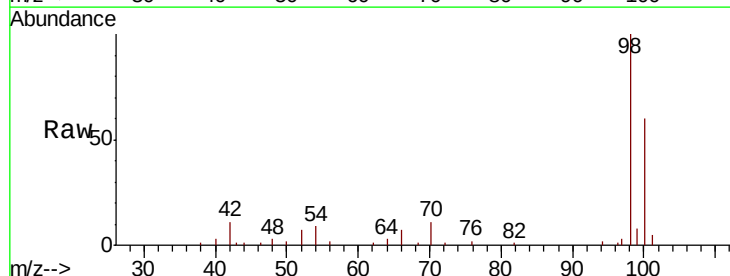


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

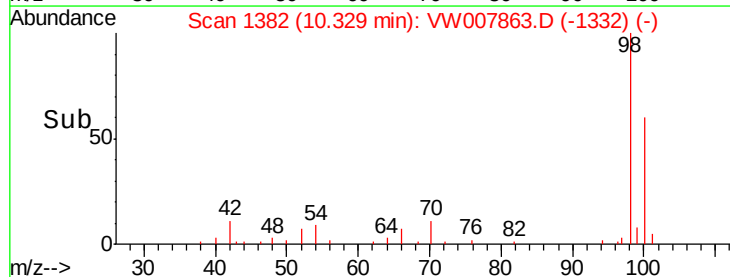
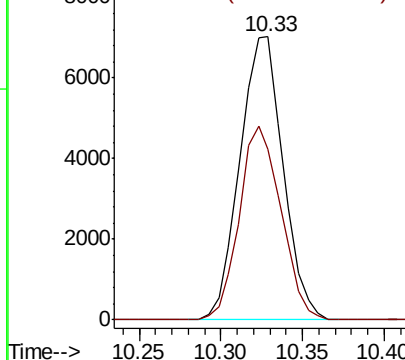


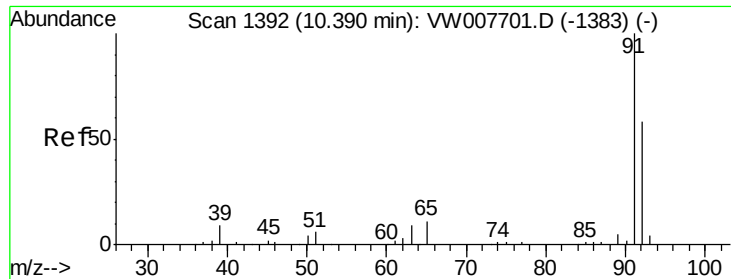
#50
Toluene-d8
Concen: 34.517 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.01 min
Lab File: VW007863.D
Acq: 23 Dec 2018 00:05

Tgt Ion: 98 Resp: 12937
Ion Ratio Lower Upper
98 100
100 66.0 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 8.700 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007863.D

Acq: 23 Dec 2018 00:05

Instrument :

MSVOA_W

ClientSampleId :

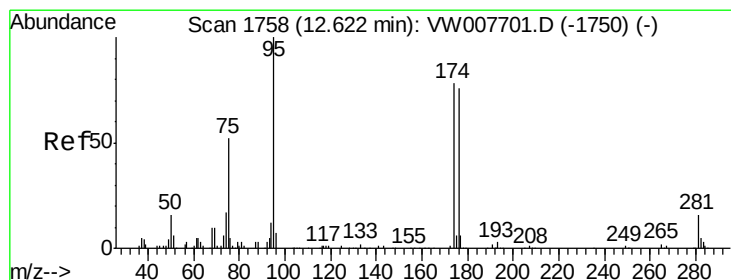
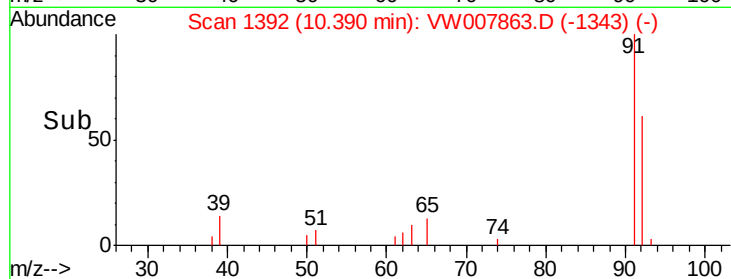
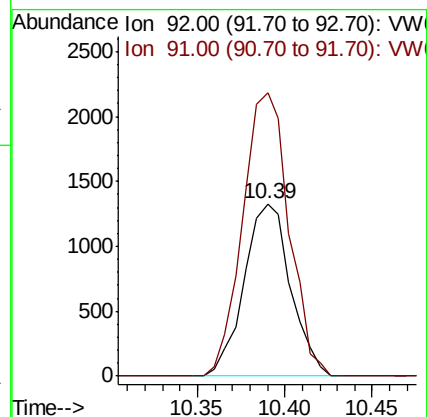
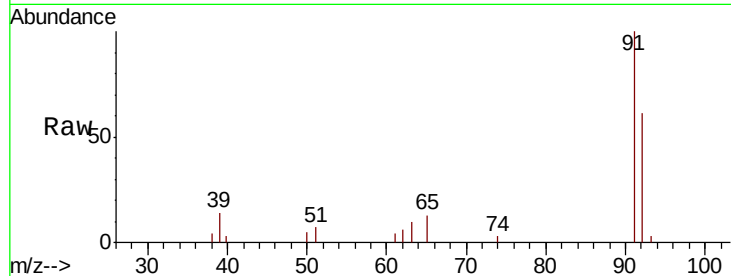
SB-61(0-5)-GRAB

Tgt Ion: 92 Resp: 2450

Ion Ratio Lower Upper

92 100

91 164.0 137.0 205.4



#62

4-Bromofluorobenzene

Concen: 5.926 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW007863.D

Acq: 23 Dec 2018 00:05

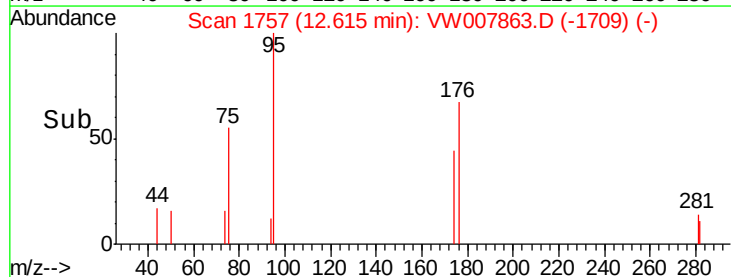
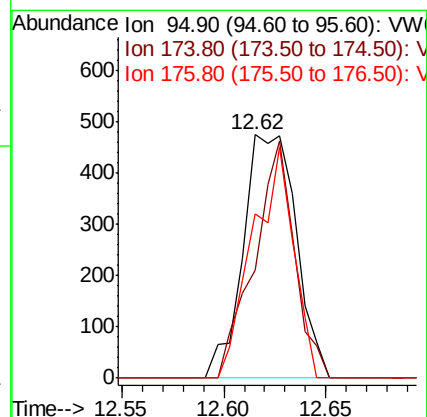
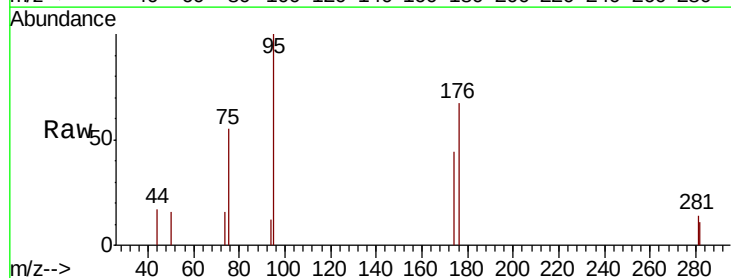
Tgt Ion: 95 Resp: 858

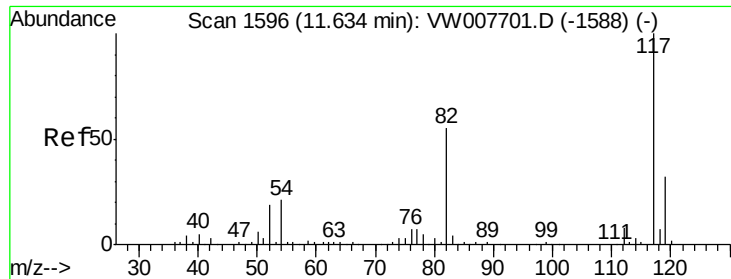
Ion Ratio Lower Upper

95 100

174 74.2 0.0 152.2

176 73.2 0.0 146.8

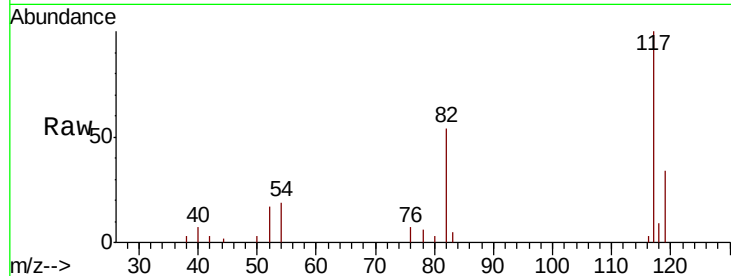




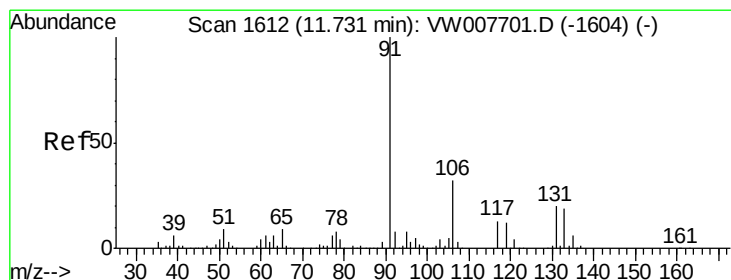
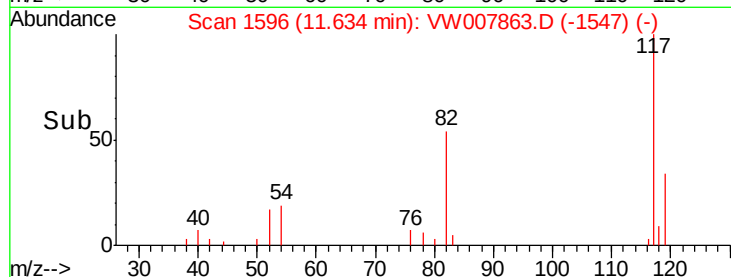
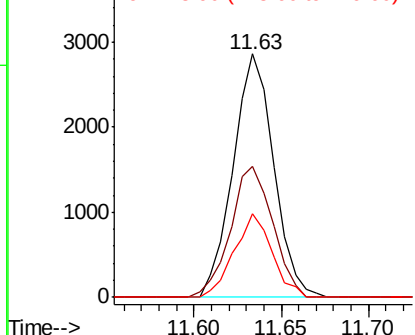
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007863.D
Acq: 23 Dec 2018 00:05

Instrument :
MSVOA_W
ClientSampleId :
SB-61(0-5)-GRAB

Tgt Ion: 117 Resp: 4625
Ion Ratio Lower Upper
117 100
82 53.8 44.3 66.5
119 34.4 25.7 38.5

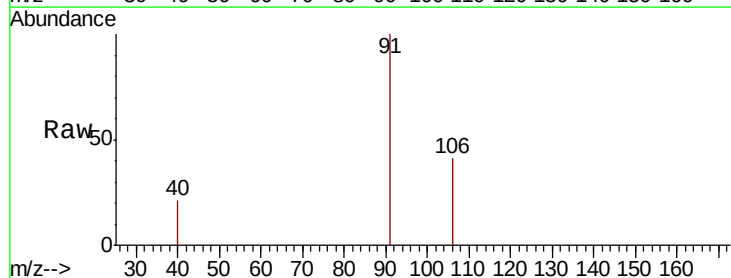


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

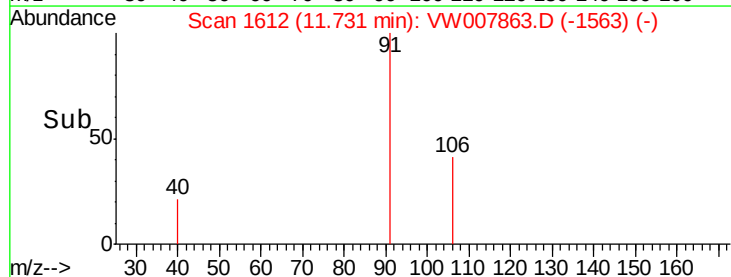
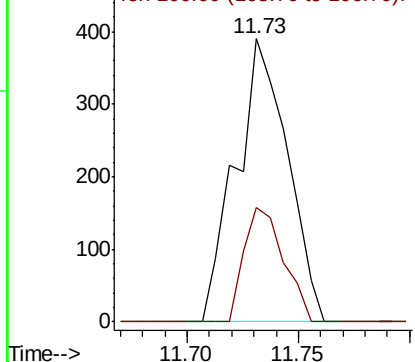


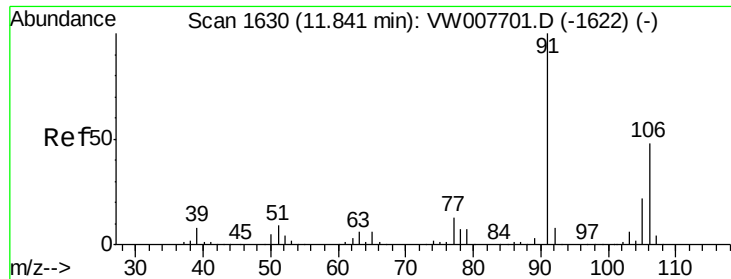
#67
Ethyl Benzene
Concen: 3.656 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007863.D
Acq: 23 Dec 2018 00:05

Tgt Ion: 91 Resp: 628
Ion Ratio Lower Upper
91 100
106 40.5 25.8 38.8#



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

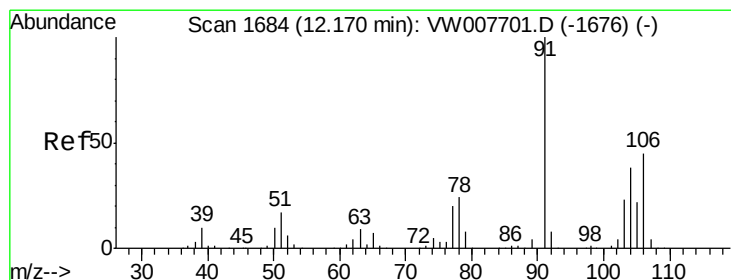
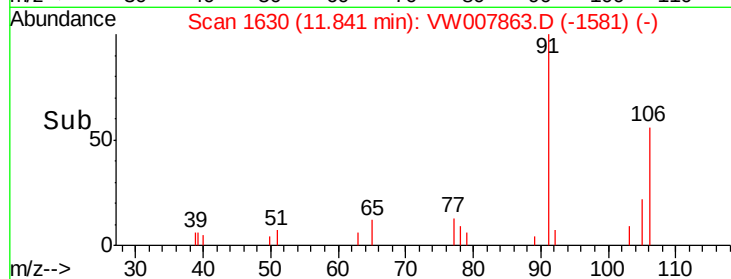
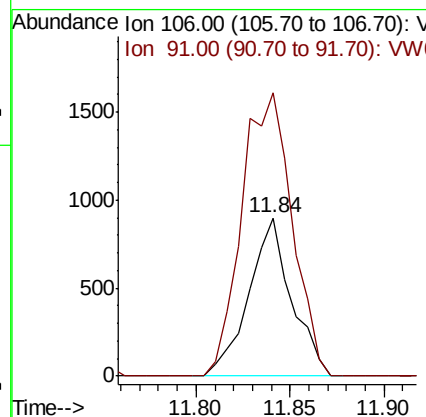
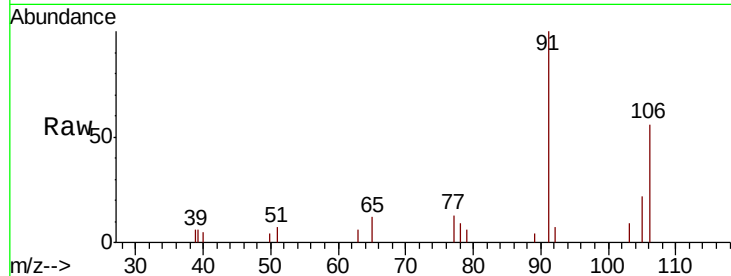




#68
m/p-Xylenes
Concen: 21.145 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007863.D
Acq: 23 Dec 2018 00:05

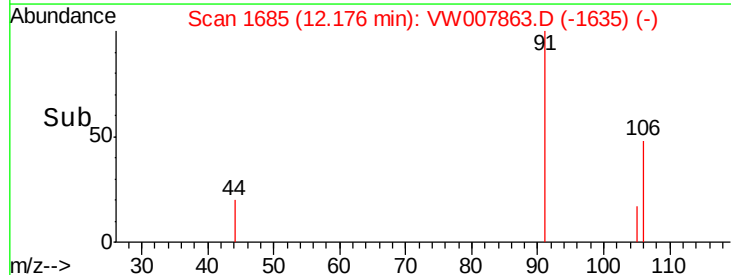
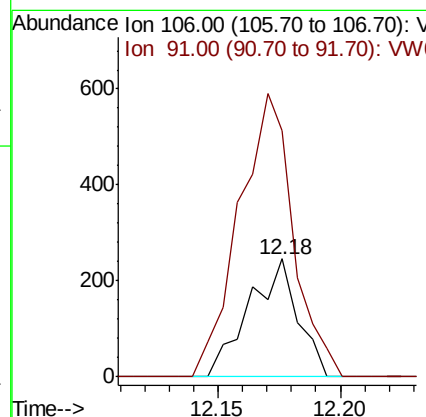
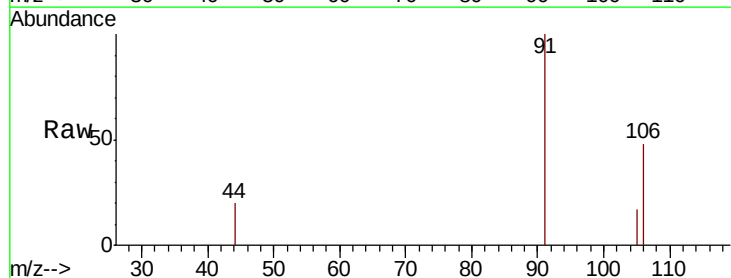
Instrument :
MSVOA_W
ClientSampleId :
SB-61(0-5)-GRAB

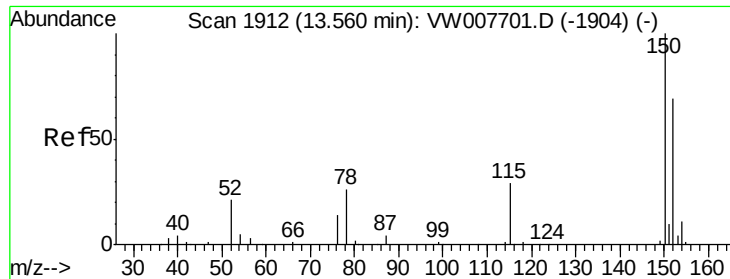
Tgt Ion:106 Resp: 1409
Ion Ratio Lower Upper
106 100
91 211.7 165.2 247.8



#69
o-Xylene
Concen: 5.459 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. 0.01 min
Lab File: VW007863.D
Acq: 23 Dec 2018 00:05

Tgt Ion:106 Resp: 341
Ion Ratio Lower Upper
106 100
91 266.0 110.5 331.4

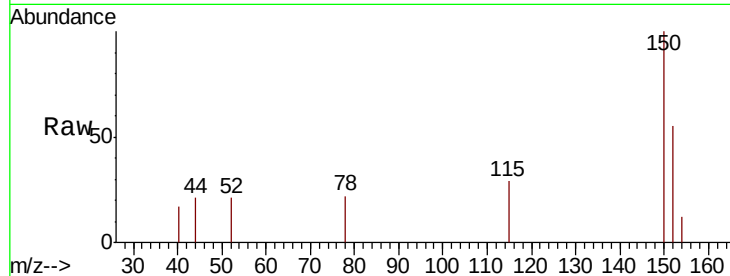




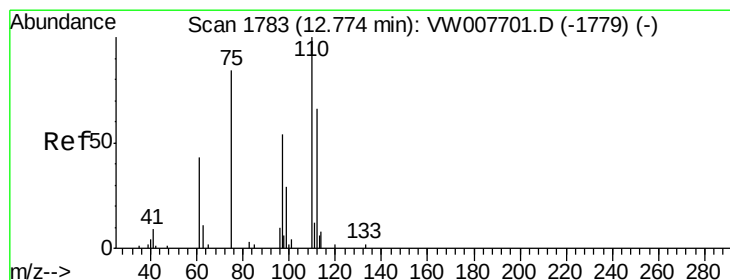
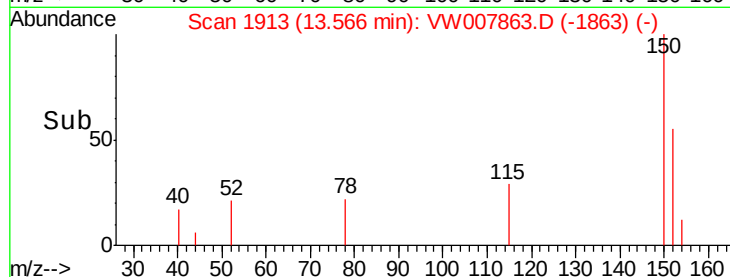
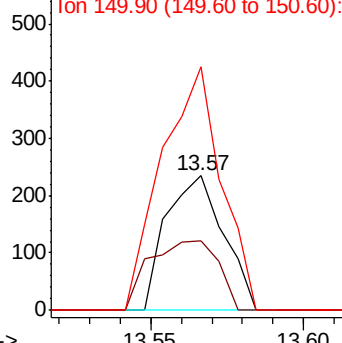
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.57 min Scan# 1913
 Delta R.T. 0.01 min
 Lab File: VW007863.D
 Acq: 23 Dec 2018 00:05

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-61(0-5)-GRAB

Tgt Ion: 152 Resp: 305
 Ion Ratio Lower Upper
 152 100
 115 61.6 31.8 95.4
 150 188.5 0.0 350.8

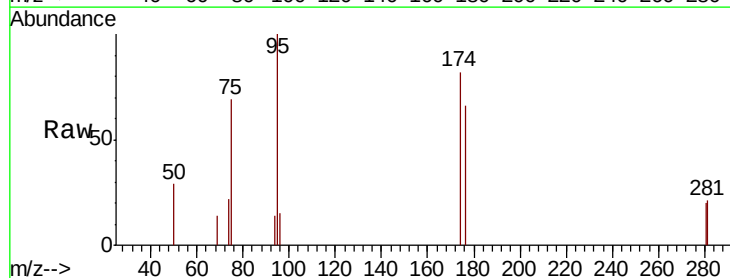


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

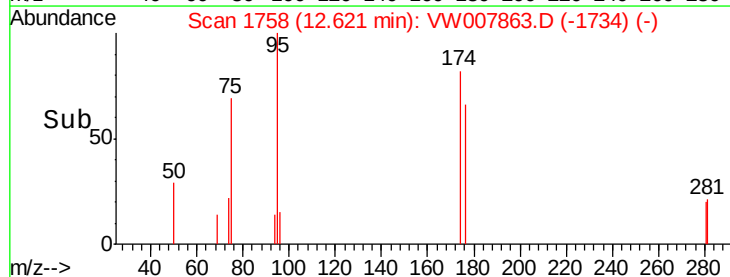
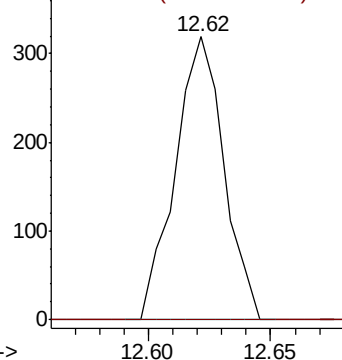


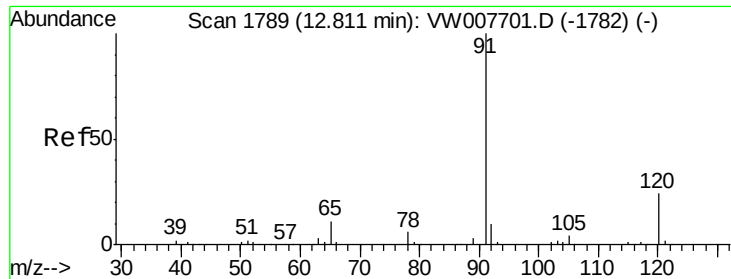
#76
 1,2,3-Trichloropropane
 Concen: 187.922 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW007863.D
 Acq: 23 Dec 2018 00:05

Tgt Ion: 75 Resp: 443
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 77.00 (76.70 to 77.70): VW





#78

n-propylbenzene

Concen: 2.198 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW007863.D

Acq: 23 Dec 2018 00:05

Instrument :

MSVOA_W

ClientSampleId :

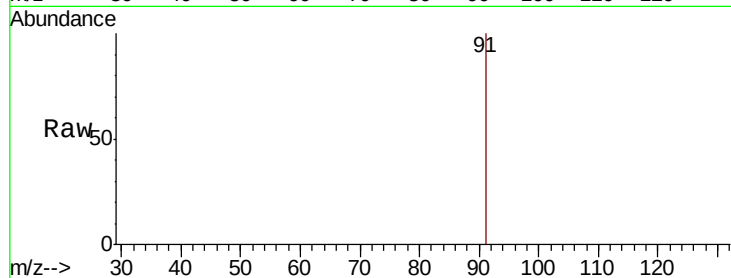
SB-61(0-5)-GRAB

Tgt Ion: 91 Resp: 59

Ion Ratio Lower Upper

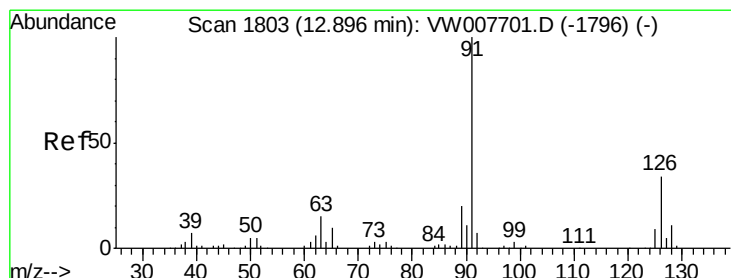
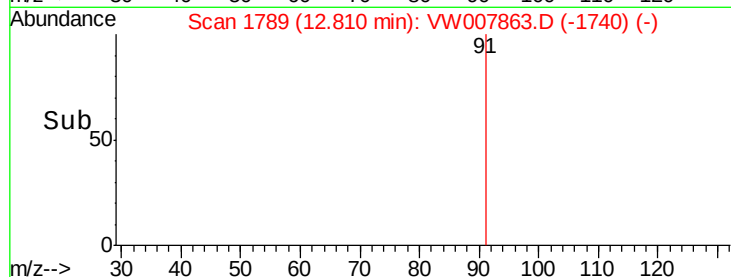
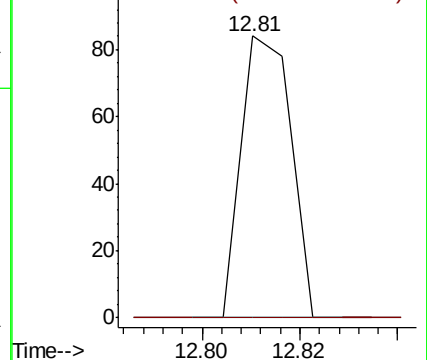
91 100

120 0.0 11.9 35.7#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 3.774 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.09 min

Lab File: VW007863.D

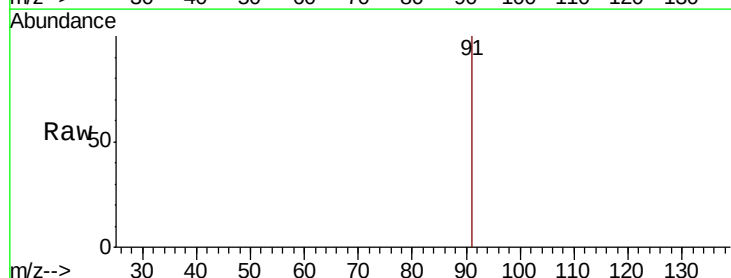
Acq: 23 Dec 2018 00:05

Tgt Ion: 91 Resp: 59

Ion Ratio Lower Upper

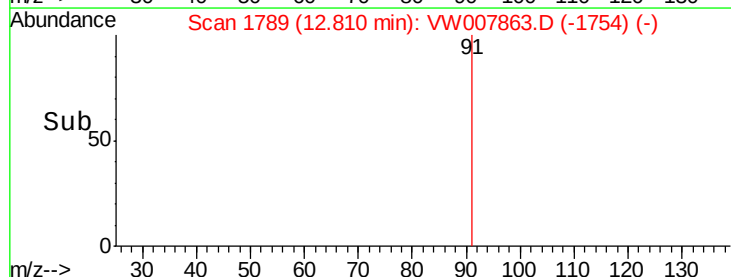
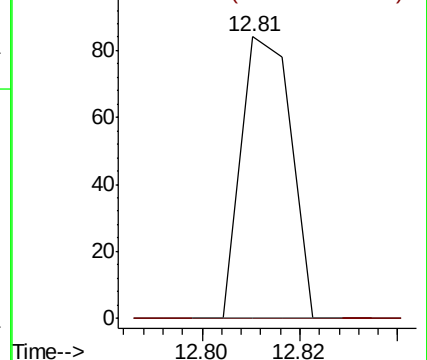
91 100

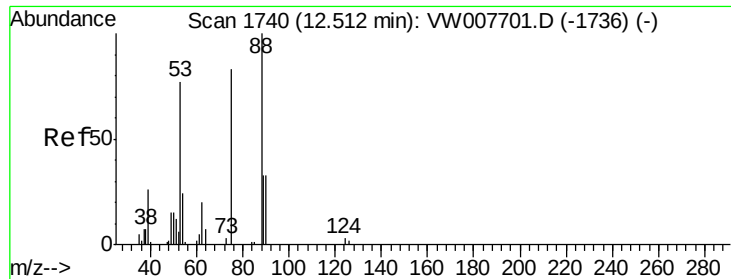
126 0.0 17.0 51.0#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

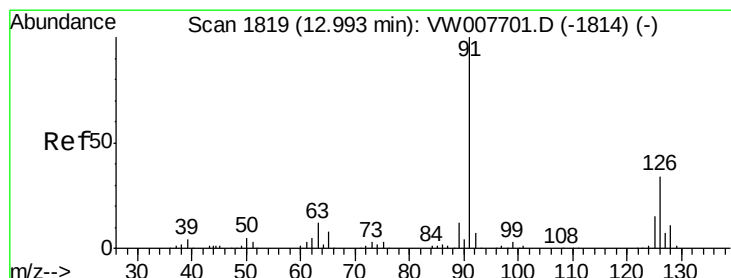
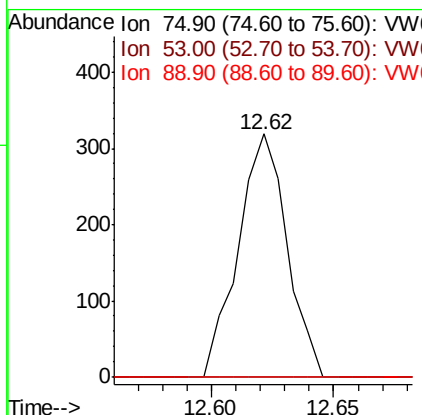
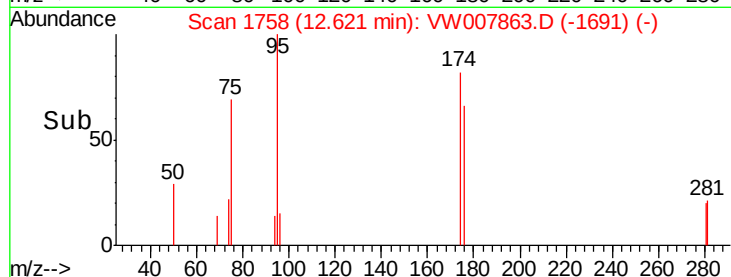
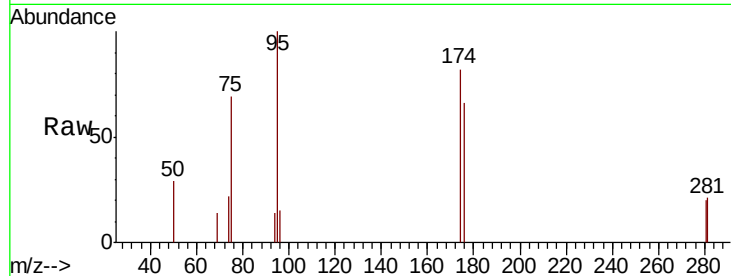




#81
trans-1,4-Dichloro-2-butene
Concen: 394.461 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.11 min
Lab File: VW007863.D
Acq: 23 Dec 2018 00:05

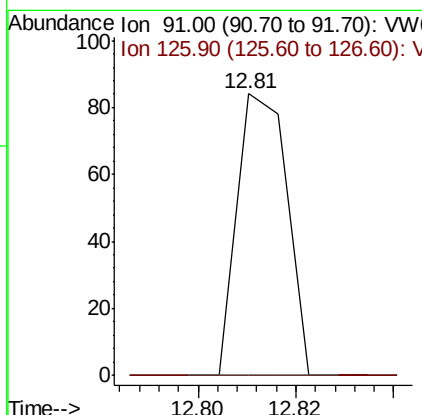
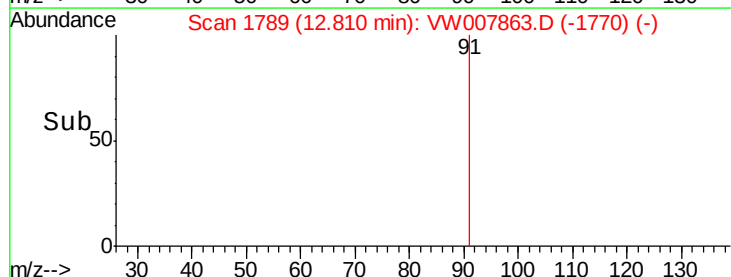
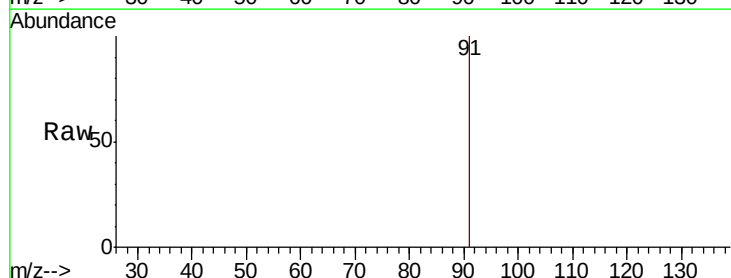
Instrument :
MSVOA_W
ClientSampleId :
SB-61(0-5)-GRAB

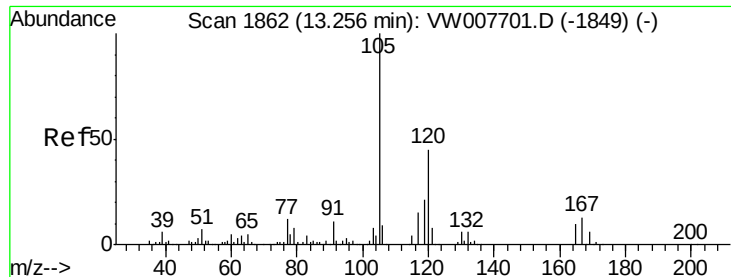
Tgt Ion: 75 Resp: 443
Ion Ratio Lower Upper
75 100
53 0.0 80.2 120.2#
89 0.0 39.2 58.8#



#82
4-Chlorotoluene
Concen: 3.544 ug/l
RT: 12.81 min Scan# 1789
Delta R.T. -0.18 min
Lab File: VW007863.D
Acq: 23 Dec 2018 00:05

Tgt Ion: 91 Resp: 59
Ion Ratio Lower Upper
91 100
126 0.0 16.5 49.5#

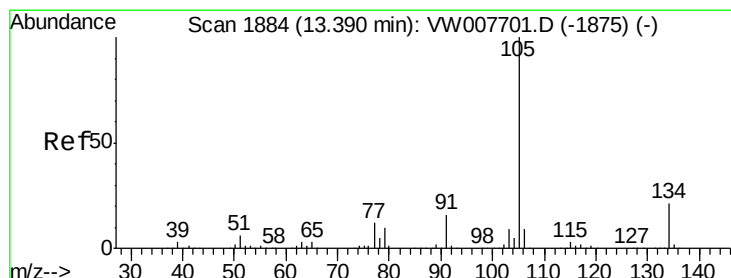
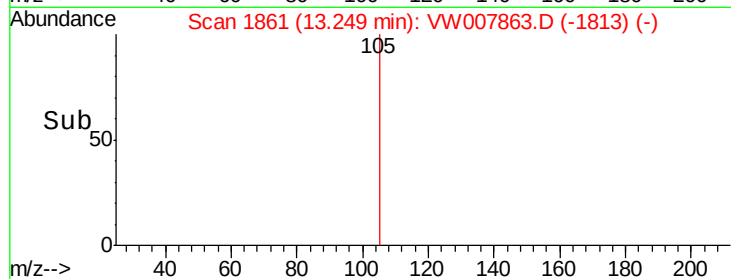
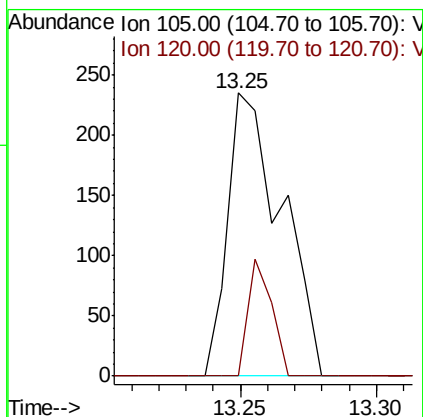
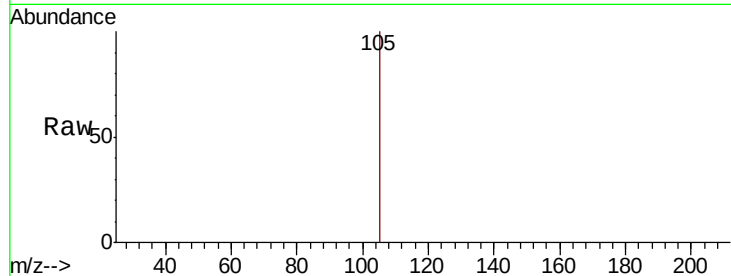




#84
 1,2,4-Trimethylbenzene
 Concen: 16.097 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.01 min
 Lab File: VW007863.D
 Acq: 23 Dec 2018 00:05

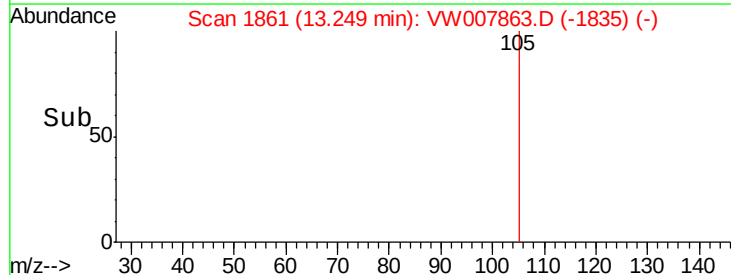
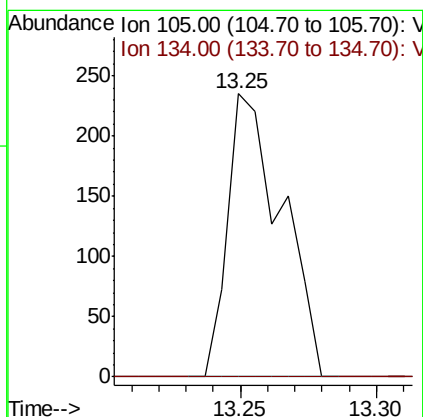
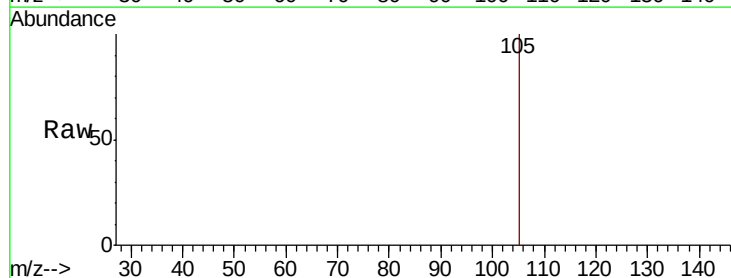
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-61(0-5)-GRAB

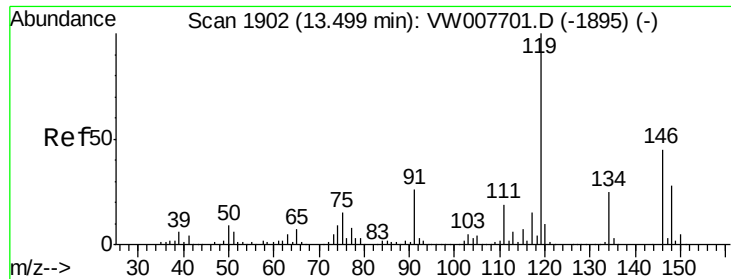
Tgt Ion:105 Resp: 323
 Ion Ratio Lower Upper
 105 100
 120 18.0 22.0 66.0#



#85
 sec-Butylbenzene
 Concen: 13.432 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.14 min
 Lab File: VW007863.D
 Acq: 23 Dec 2018 00:05

Tgt Ion:105 Resp: 323
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.2 30.4#

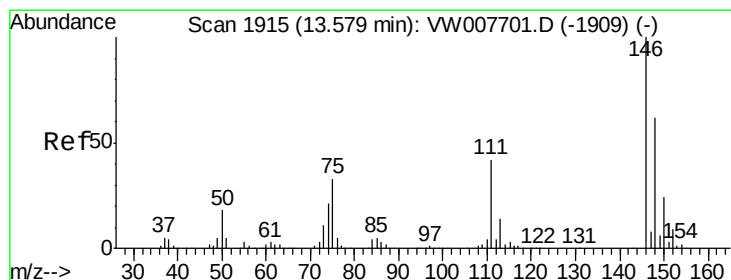
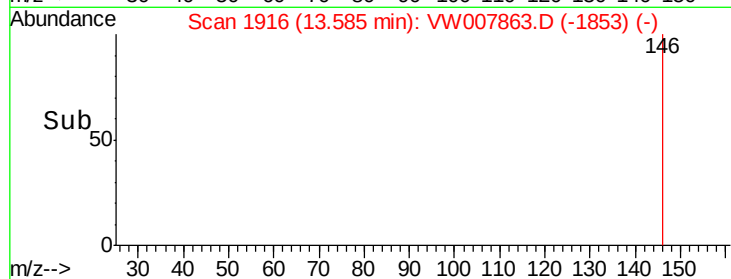
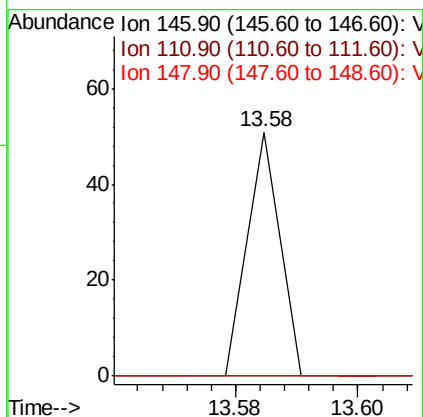
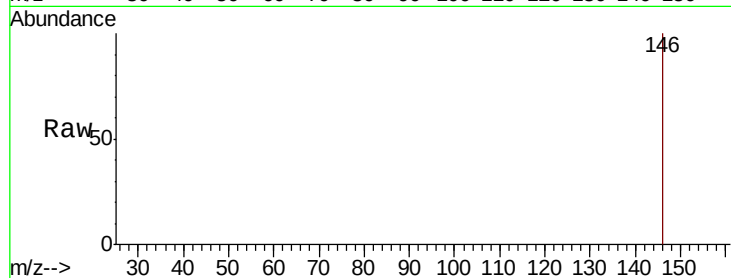




#87
 1,3-Dichlorobenzene
 Concen: 1.811 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.09 min
 Lab File: VW007863.D
 Acq: 23 Dec 2018 00:05

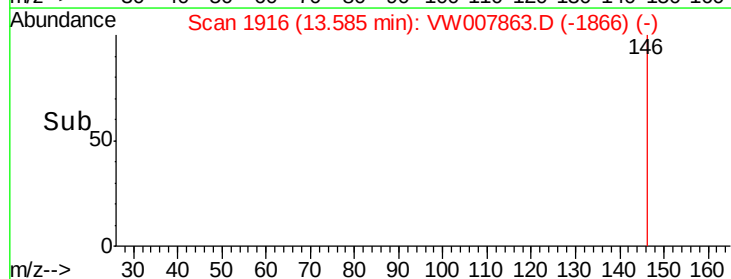
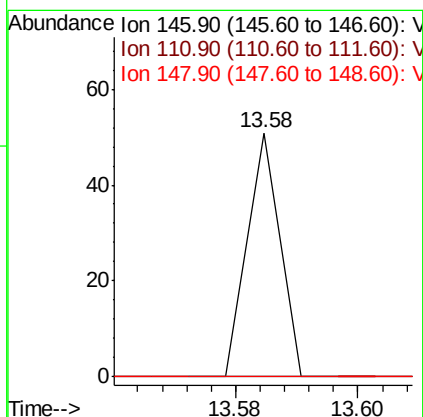
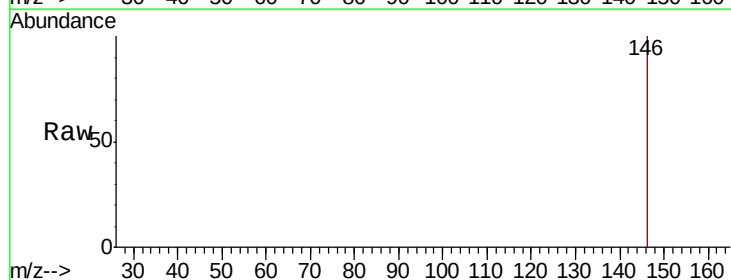
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-61(0-5)-GRAB

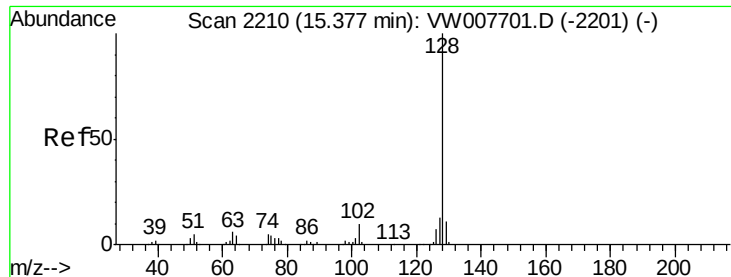
Tgt Ion:146 Resp: 19
 Ion Ratio Lower Upper
 146 100
 111 0.0 21.1 63.4#
 148 0.0 32.1 96.5#



#88
 1,4-Dichlorobenzene
 Concen: 1.811 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VW007863.D
 Acq: 23 Dec 2018 00:05

Tgt Ion:146 Resp: 19
 Ion Ratio Lower Upper
 146 100
 111 0.0 21.0 63.0#
 148 0.0 31.8 95.4#





#95

Naphthalene

Concen: 18.168 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW007863.D

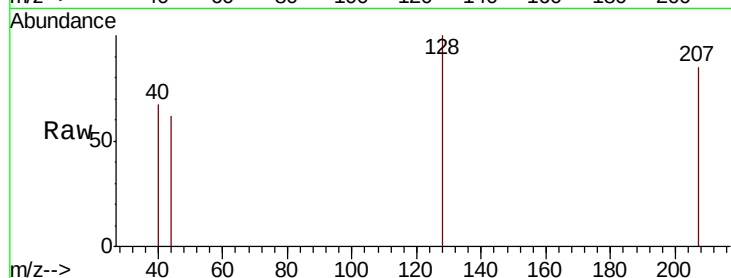
Acq: 23 Dec 2018 00:05

Instrument :

MSVOA_W

ClientSampleId :

SB-61(0-5)-GRAB



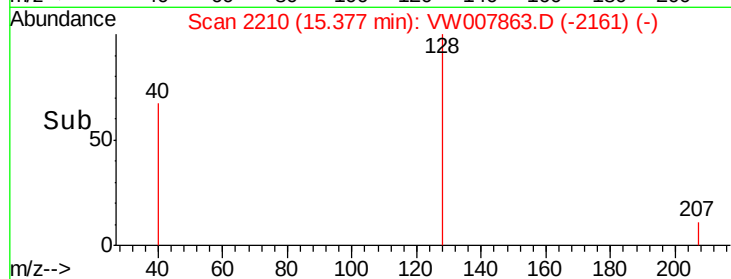
Tgt Ion:128 Resp: 219

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 0.0 8.8 13.2#



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

