

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122418\
 Data File : VW007865.D
 Acq On : 23 Dec 2018 00:57
 Operator : SY/AP
 Sample : J6511-07
 Misc : 4.45G/5ML/MSVOA_W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-63(0-5)-GRAB

Quant Time: Dec 23 23:58:28 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	5509	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	9354	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	2212	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	218	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	7727	127.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	255.94%	
35) Dibromofluoromethane	7.88	113	6485	113.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	227.28%	
50) Toluene-d8	10.32	98	5587	25.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	51.94%	
62) 4-Bromofluorobenzene	12.62	95	413	4.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.94%	

Target Compounds

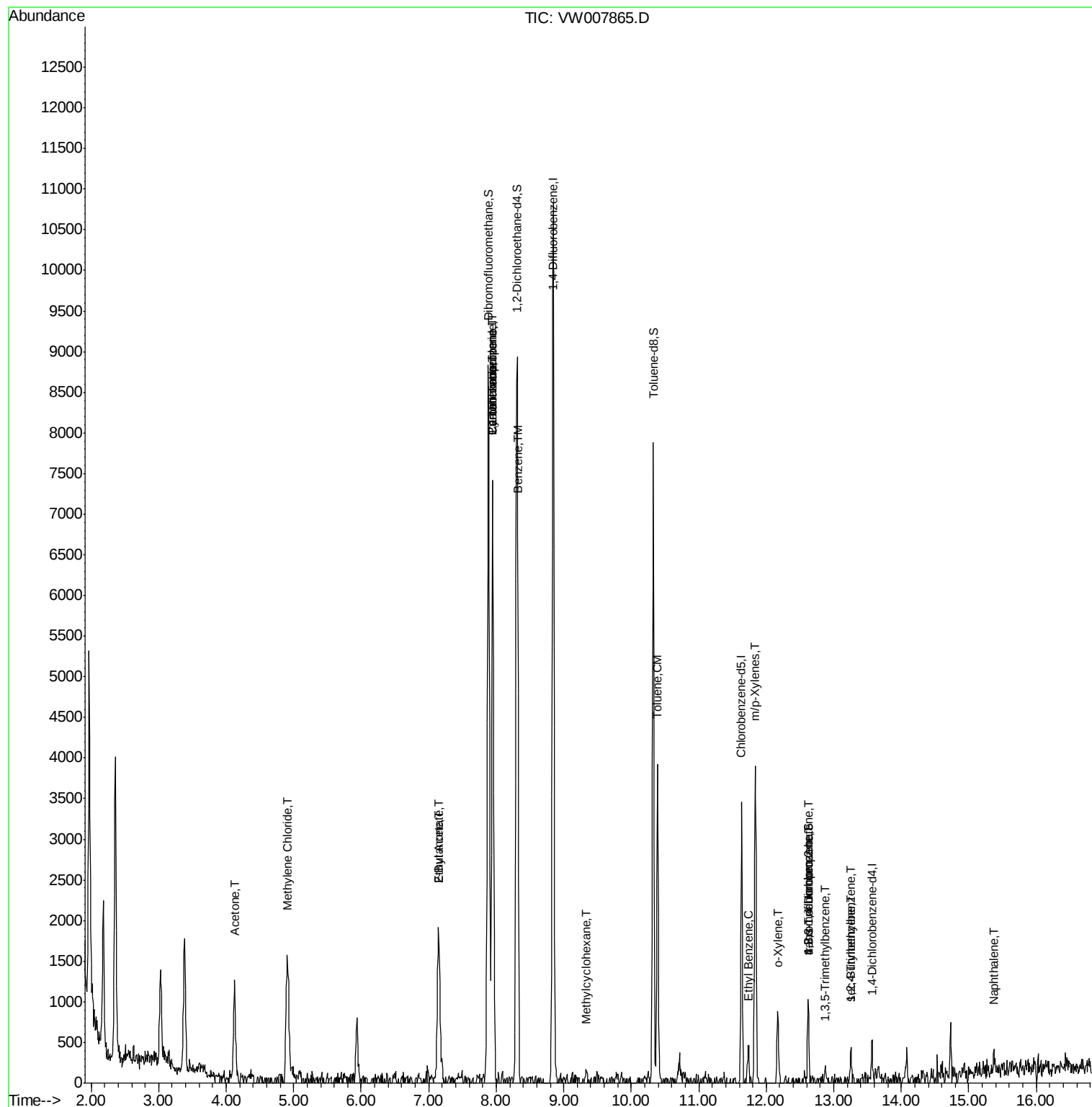
						Qvalue
16) Acetone	4.12	43	1923	170.073	ug/l	99
20) Methylene Chloride	4.90	84	1178	16.623	ug/l #	86
25) 2-Butanone	7.15	43	46	3.473	ug/l #	44
31) Cyclohexane	7.95	56	183	2.036	ug/l #	55
36) 1,1-Dichloropropene	7.95	75	429	4.752	ug/l #	40
37) Ethyl Acetate	7.15	43	46	1.476	ug/l #	68
38) Carbon Tetrachloride	7.95	117	540	5.079	ug/l #	11
39) Methylcyclohexane	9.33	83	116	1.034	ug/l #	20
40) Benzene	8.32	78	300	1.245	ug/l #	52
52) Toluene	10.38	92	1830	11.321	ug/l	96
67) Ethyl Benzene	11.74	91	448	5.453	ug/l	92
68) m/p-Xylenes	11.84	106	1355	42.517	ug/l	100
69) o-Xylene	12.18	106	282	9.440	ug/l	58
76) 1,2,3-Trichloropropane	12.62	75	163	96.740	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.88	105	116	8.161	ug/l #	29
81) trans-1,4-Dichloro-2-buten	12.62	75	163	203.063	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.25	105	309	21.544	ug/l	93
85) sec-Butylbenzene	13.25	105	309	17.978	ug/l #	56
95) Naphthalene	15.37	128	366	42.481	ug/l #	69

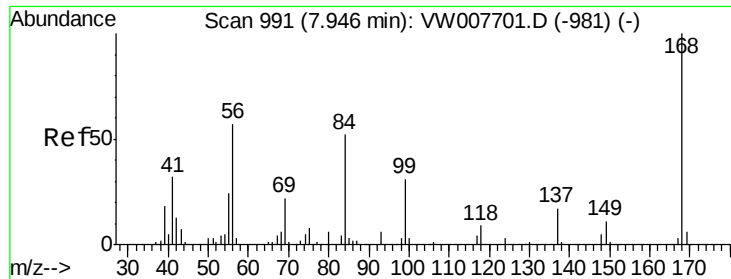
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW007865.D

Acq: 23 Dec 2018 00:57

Instrument :

MSVOA_W

ClientSampleId :

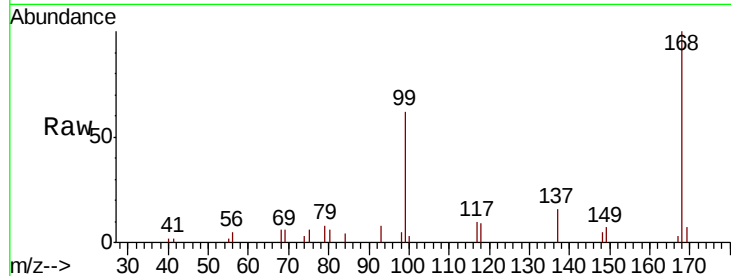
SB-63(0-5)-GRAB

Tgt Ion:168 Resp: 5509

Ion Ratio Lower Upper

168 100

99 62.1 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

2500

2000

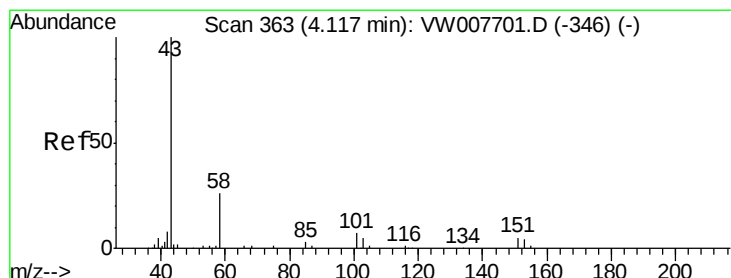
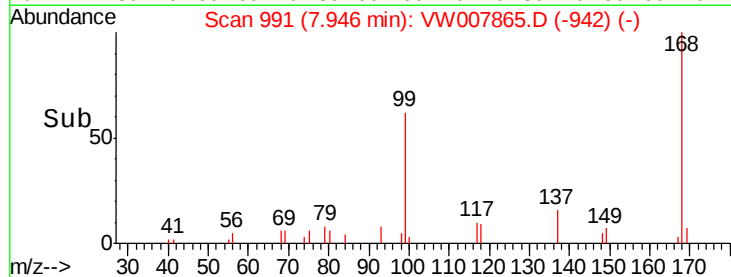
1500

1000

500

0

Time-->



#16

Acetone

Concen: 170.073 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007865.D

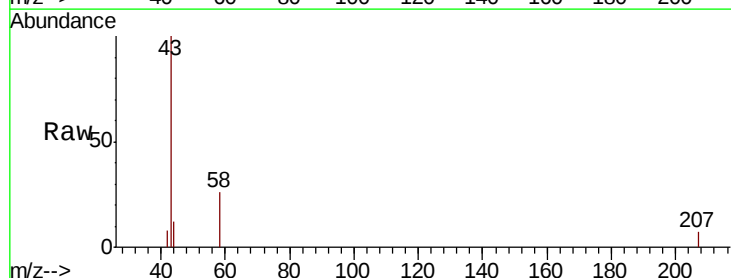
Acq: 23 Dec 2018 00:57

Tgt Ion: 43 Resp: 1923

Ion Ratio Lower Upper

43 100

58 26.1 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

800

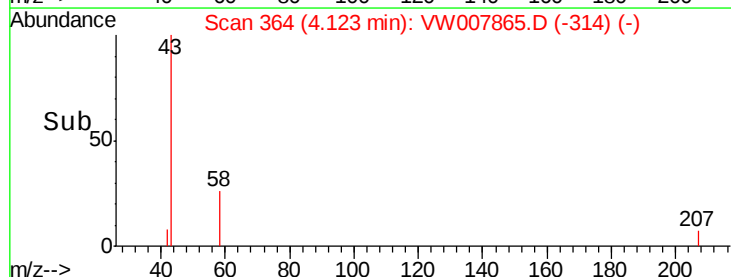
600

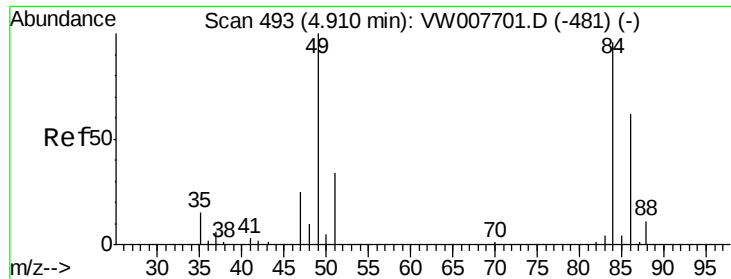
400

200

0

Time-->

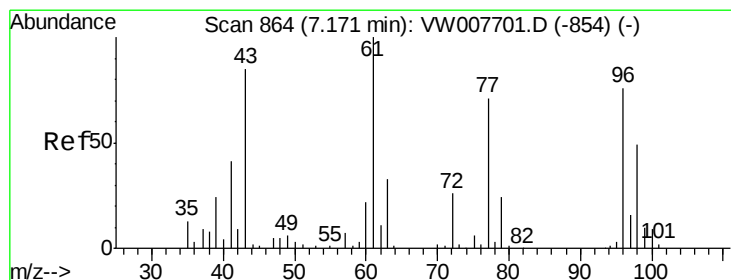
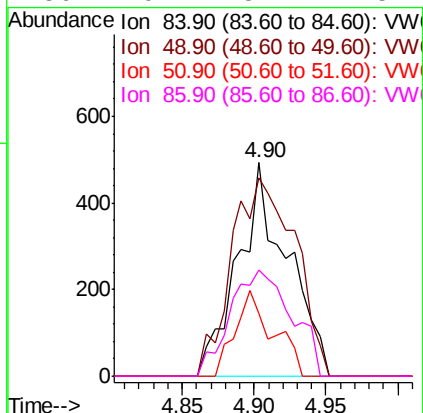
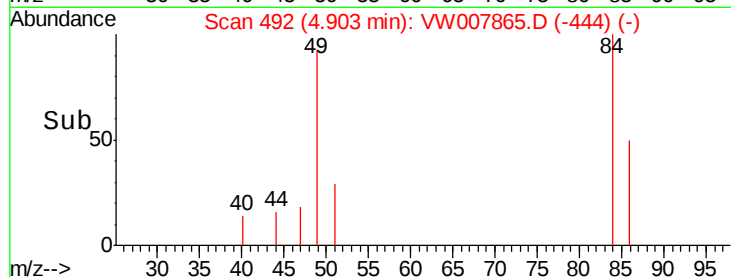
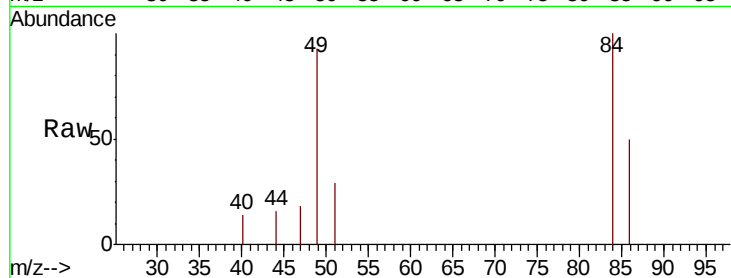




#20
Methylene Chloride
Concen: 16.623 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW007865.D
Acq: 23 Dec 2018 00:57

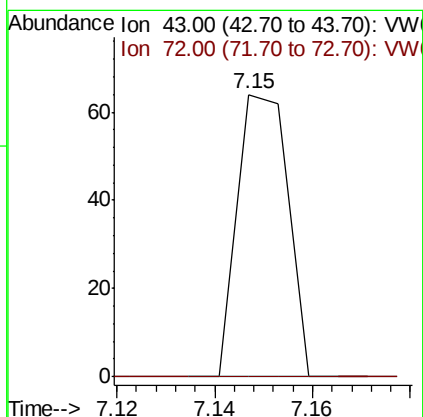
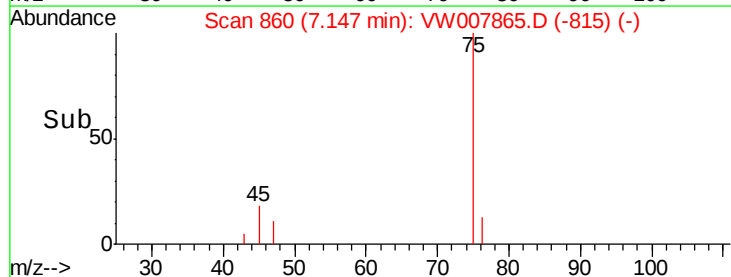
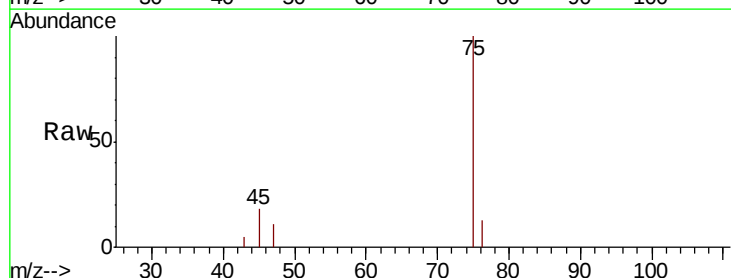
Instrument :
MSVOA_W
ClientSampleId :
SB-63(0-5)-GRAB

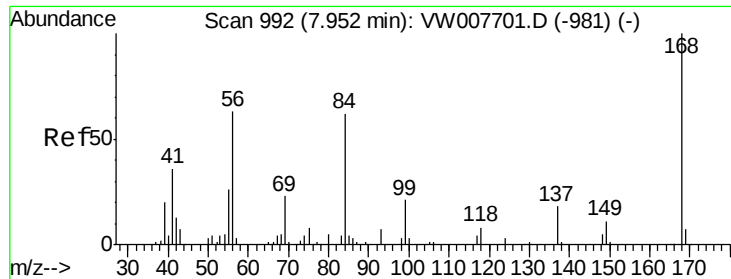
Tgt Ion: 84 Resp: 1178
Ion Ratio Lower Upper
84 100
49 93.1 83.7 125.5
51 29.4 28.2 42.2
86 49.7 52.2 78.2#



#25
2-Butanone
Concen: 3.473 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.02 min
Lab File: VW007865.D
Acq: 23 Dec 2018 00:57

Tgt Ion: 43 Resp: 46
Ion Ratio Lower Upper
43 100
72 0.0 24.5 36.7#

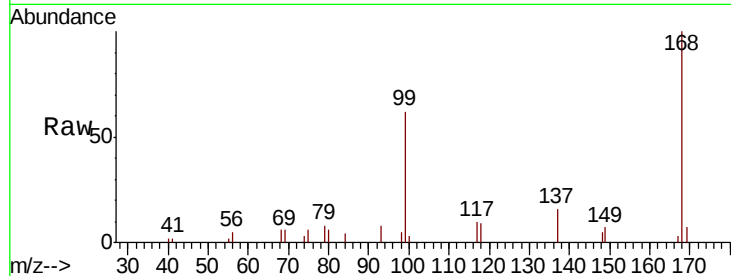




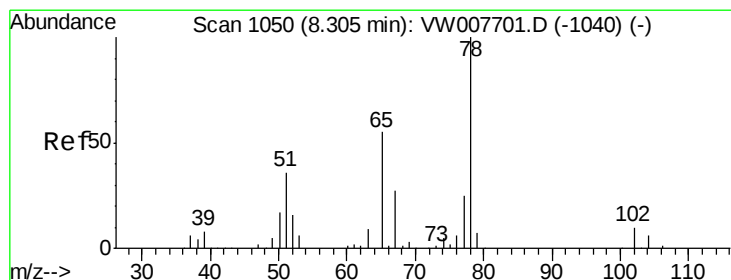
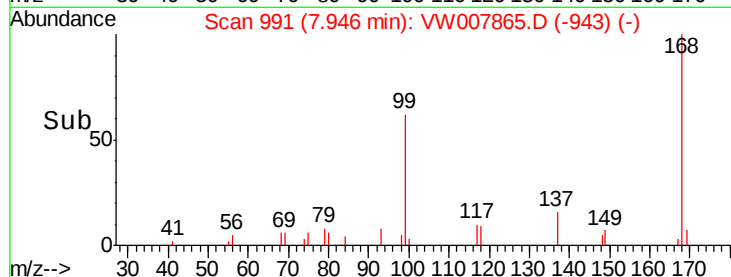
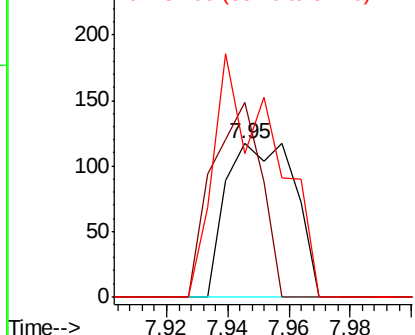
#31
Cyclohexane
Concen: 2.036 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW007865.D
Acq: 23 Dec 2018 00:57

Instrument :
MSVOA_W
ClientSampleId :
SB-63(0-5)-GRAB

Tgt Ion: 56 Resp: 183
Ion Ratio Lower Upper
56 100
69 127.4 29.7 44.5#
84 93.2 78.9 118.3

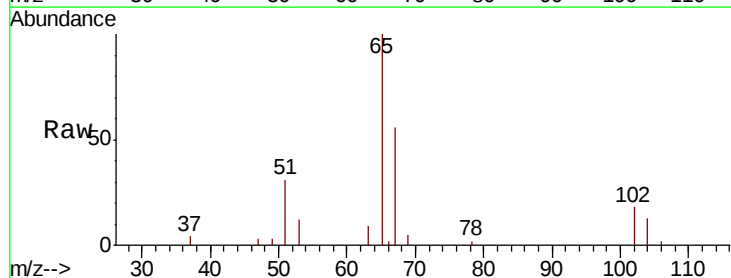


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

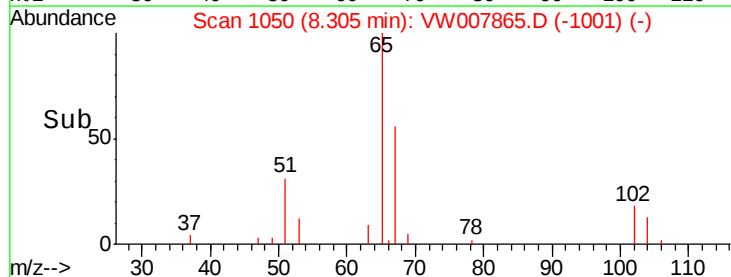
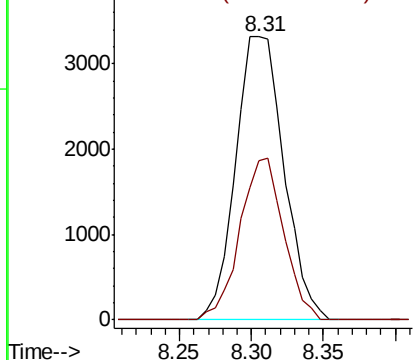


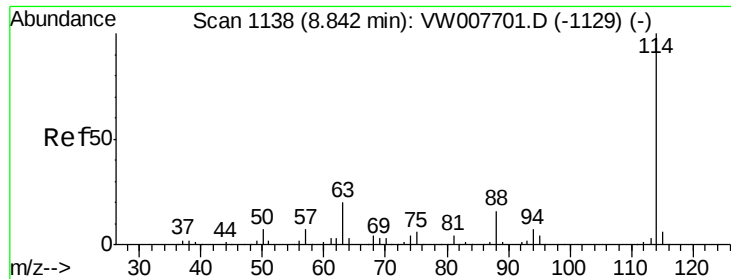
#33
1,2-Dichloroethane-d4
Concen: 127.971 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW007865.D
Acq: 23 Dec 2018 00:57

Tgt Ion: 65 Resp: 7727
Ion Ratio Lower Upper
65 100
67 51.7 0.0 100.6



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

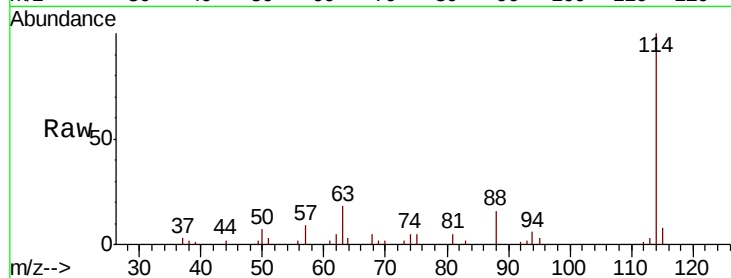




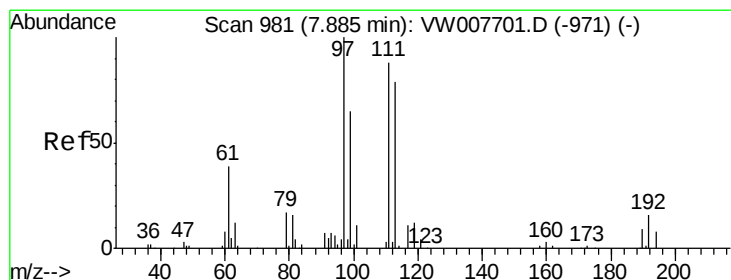
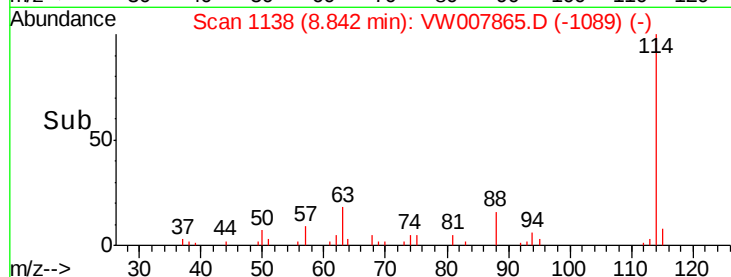
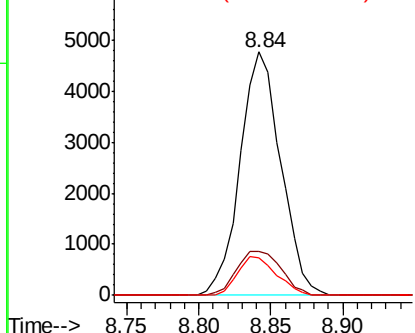
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007865.D
 Acq: 23 Dec 2018 00:57

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-63(0-5)-GRAB

Tgt Ion:114 Resp: 9354
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 40.0
 88 15.5 0.0 32.6

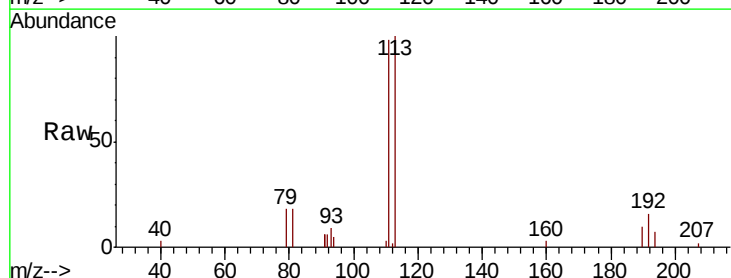


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

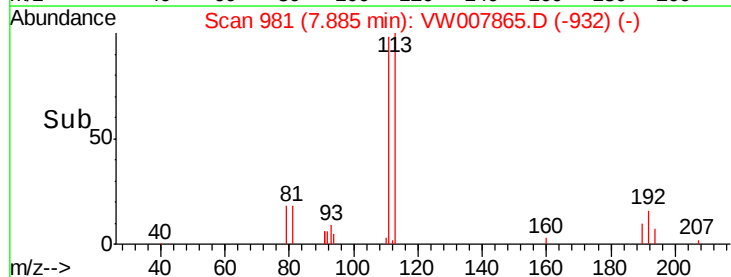
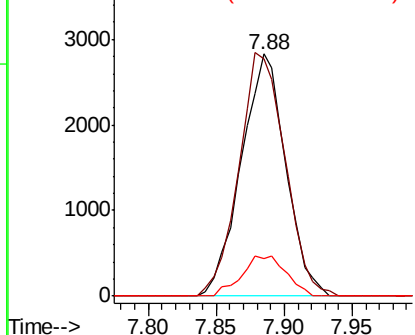


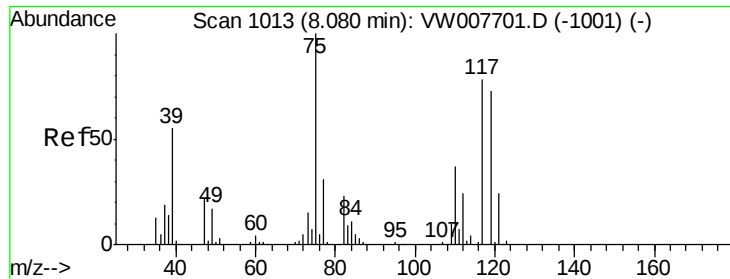
#35
 Dibromofluoromethane
 Concen: 113.644 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007865.D
 Acq: 23 Dec 2018 00:57

Tgt Ion:113 Resp: 6485
 Ion Ratio Lower Upper
 113 100
 111 103.8 82.6 124.0
 192 16.7 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

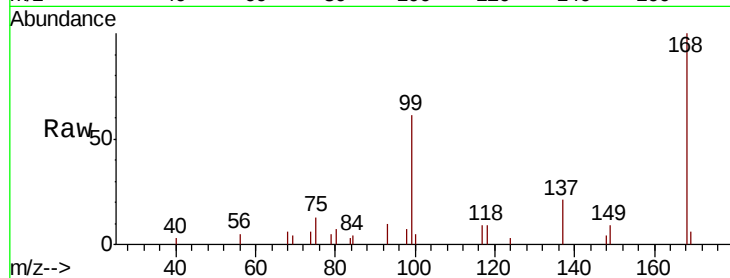




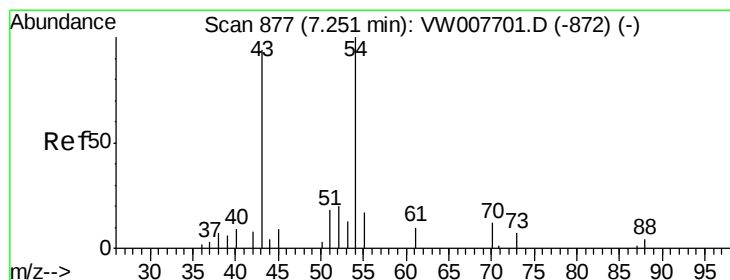
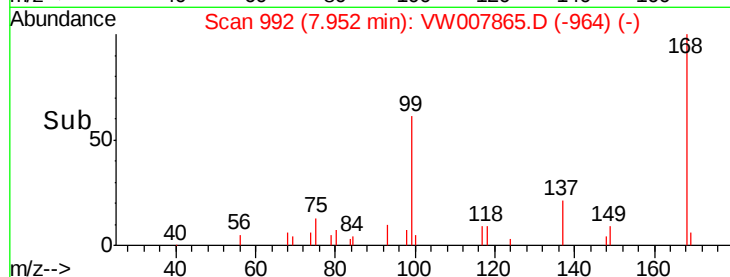
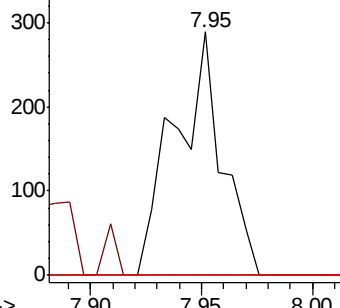
#36
 1,1-Dichloropropene
 Concen: 4.752 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW007865.D
 Acq: 23 Dec 2018 00:57

Instrument :
 MSVOA_W
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 SB-63(0-5)-GRAB

Tgt Ion: 75 Resp: 429
 Ion Ratio Lower Upper
 75 100
 110 0.0 18.6 55.8#
 77 0.0 25.0 37.4#

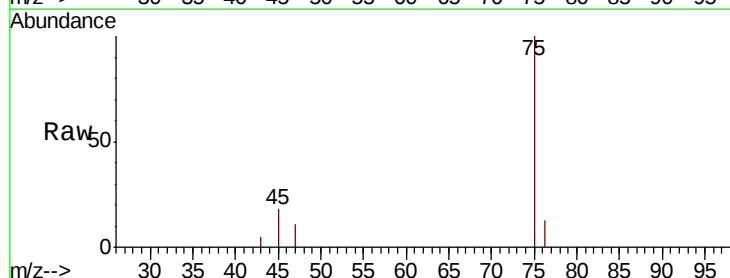


Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): VW
 Ion 76.90 (76.60 to 77.60): VW

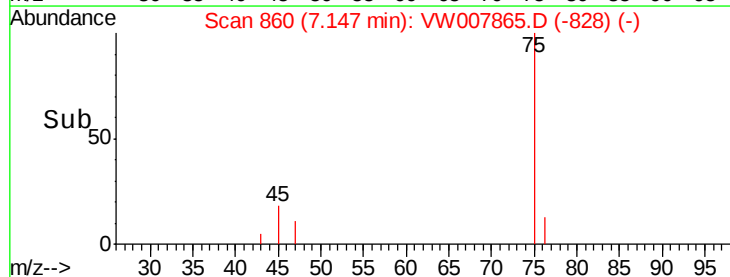
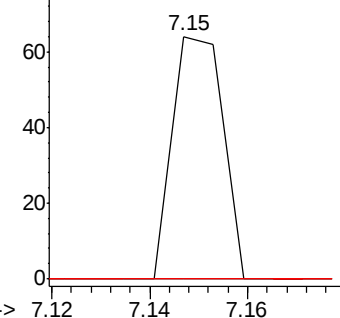


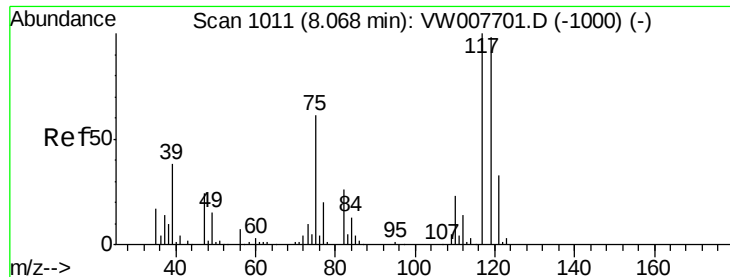
#37
 Ethyl Acetate
 Concen: 1.476 ug/l
 RT: 7.15 min Scan# 860
 Delta R.T. -0.10 min
 Lab File: VW007865.D
 Acq: 23 Dec 2018 00:57

Tgt Ion: 43 Resp: 46
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.2 16.8#
 70 0.0 9.3 13.9#



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: 5.079 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW007865.D

Acq: 23 Dec 2018 00:57

Instrument :

MSVOA_W

ClientSampleId :

SB-63(0-5)-GRAB

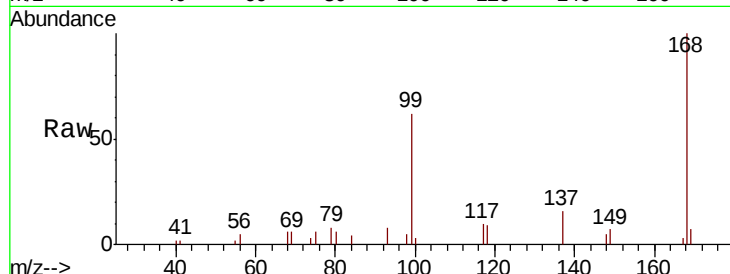
Tgt Ion:117 Resp: 540

Ion Ratio Lower Upper

117 100

119 0.0 78.2 117.2#

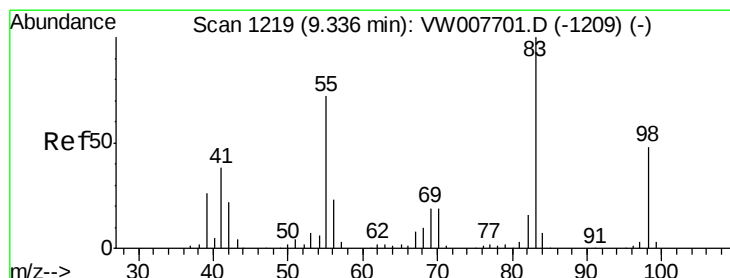
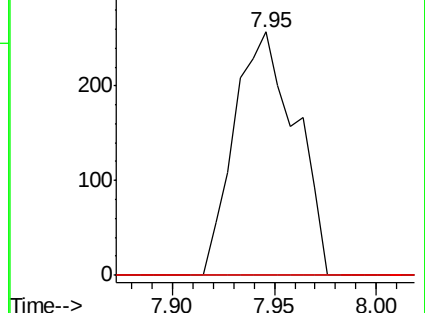
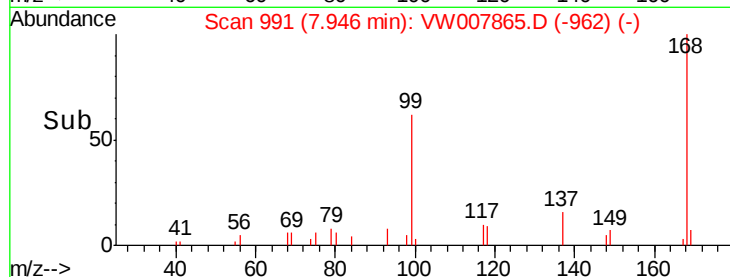
121 0.0 26.1 39.1#



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



#39

Methylcyclohexane

Concen: 1.034 ug/l

RT: 9.33 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VW007865.D

Acq: 23 Dec 2018 00:57

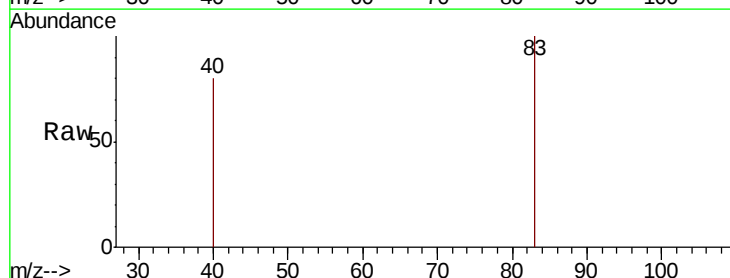
Tgt Ion: 83 Resp: 116

Ion Ratio Lower Upper

83 100

55 0.0 57.2 85.8#

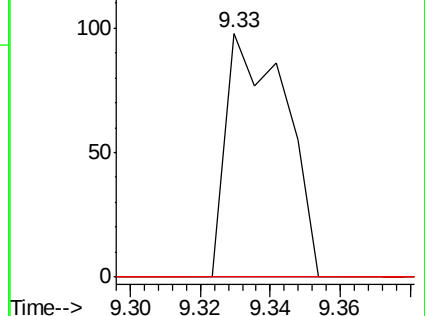
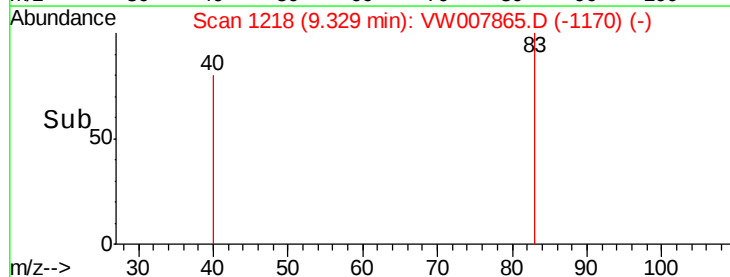
98 0.0 38.6 58.0#

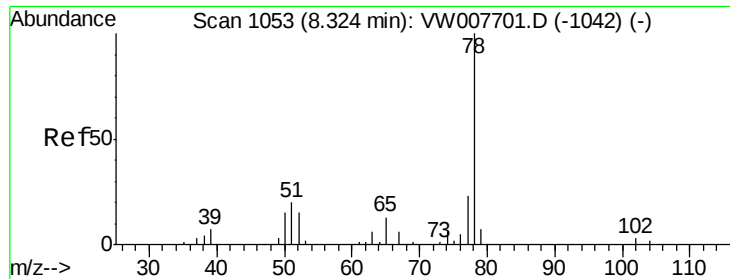


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

Benzene

Concen: 1.245 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW007865.D

Acq: 23 Dec 2018 00:57

Instrument :

MSVOA_W

ClientSampleId :

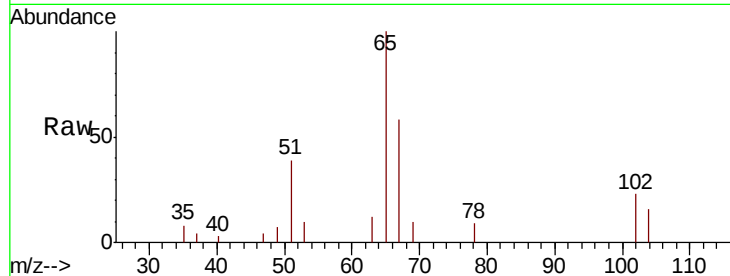
SB-63(0-5)-GRAB

Tgt Ion: 78 Resp: 300

Ion Ratio Lower Upper

78 100

77 0.0 18.7 28.1#



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW

8.32

150

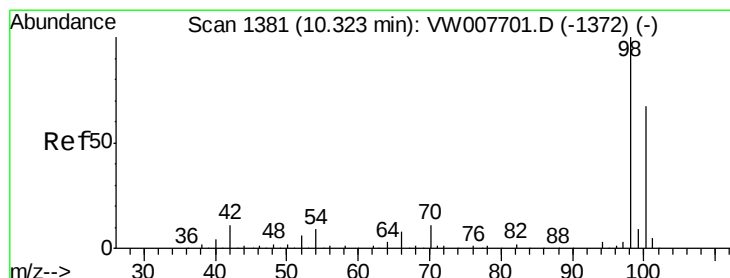
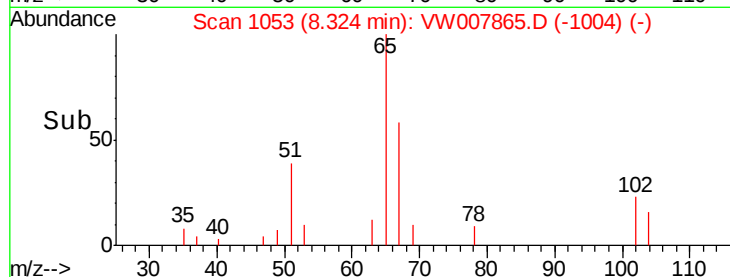
100

50

0

8.30 8.35

Time-->



#50

Toluene-d8

Concen: 25.971 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007865.D

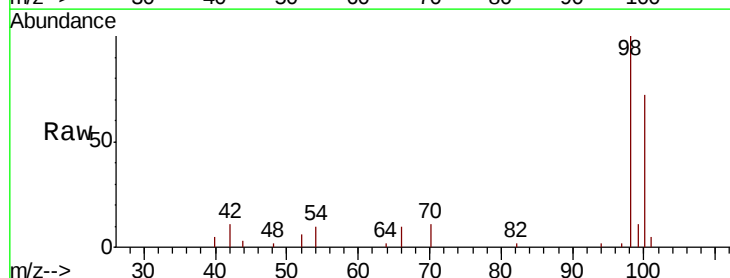
Acq: 23 Dec 2018 00:57

Tgt Ion: 98 Resp: 5587

Ion Ratio Lower Upper

98 100

100 65.2 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.32

3000

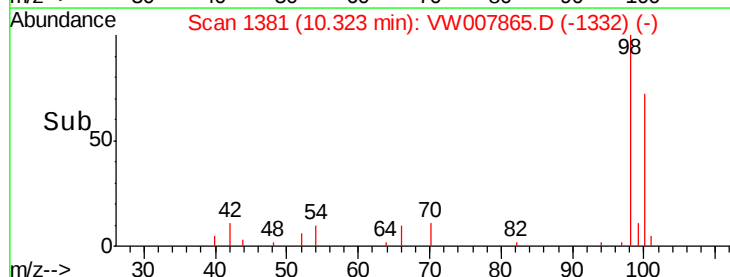
2000

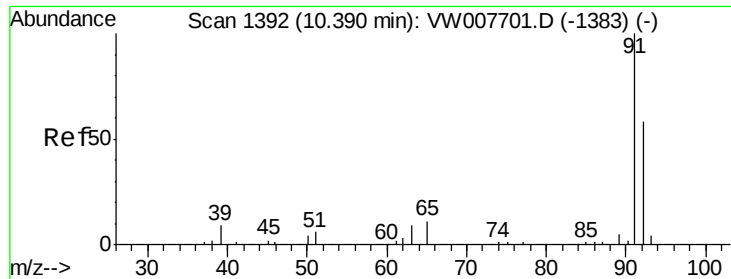
1000

0

10.25 10.30 10.35 10.40

Time-->





#52

Toluene

Concen: 11.321 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW007865.D

Acq: 23 Dec 2018 00:57

Instrument :

MSVOA_W

ClientSampleId :

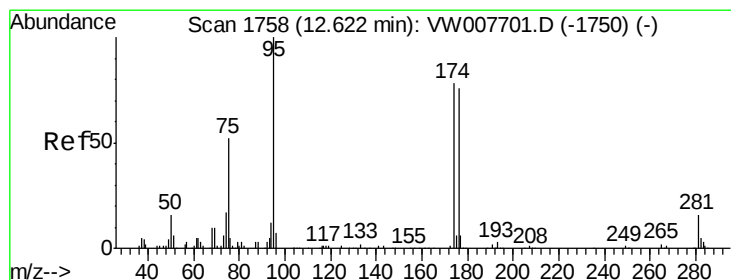
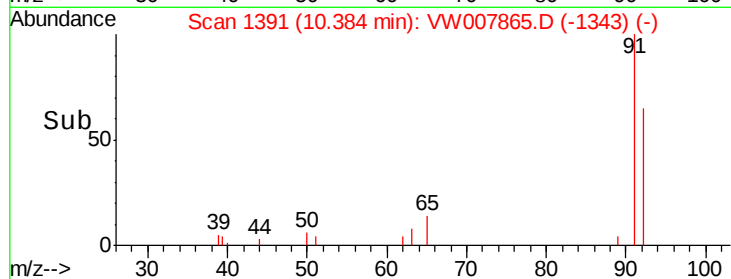
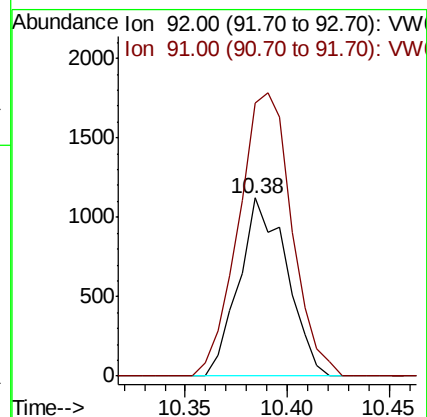
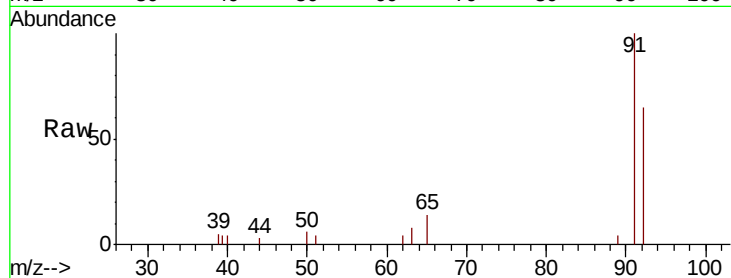
SB-63(0-5)-GRAB

Tgt Ion: 92 Resp: 1830

Ion Ratio Lower Upper

92 100

91 176.7 137.0 205.4



#62

4-Bromofluorobenzene

Concen: 4.969 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW007865.D

Acq: 23 Dec 2018 00:57

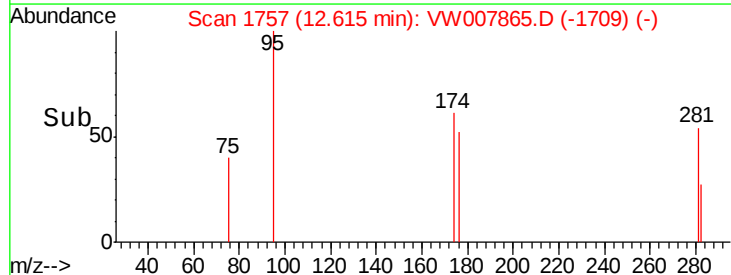
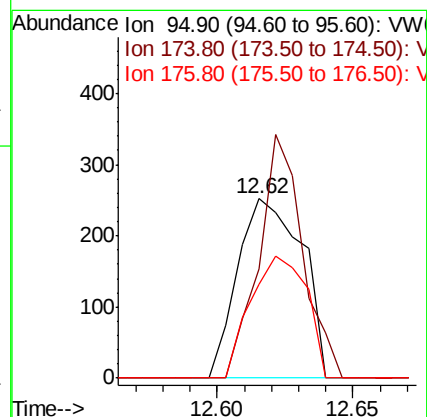
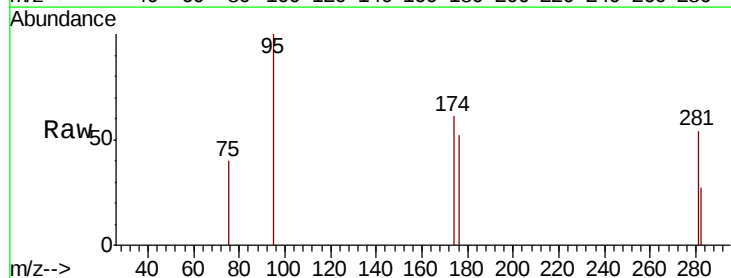
Tgt Ion: 95 Resp: 413

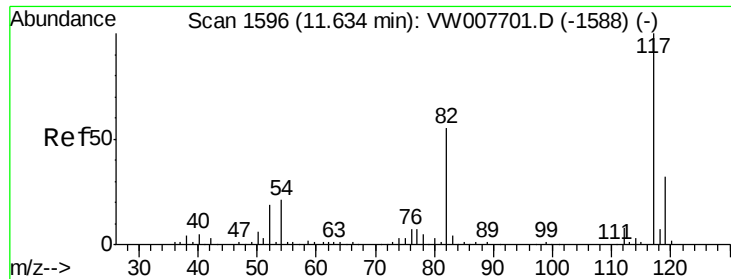
Ion Ratio Lower Upper

95 100

174 92.0 0.0 152.2

176 59.1 0.0 146.8

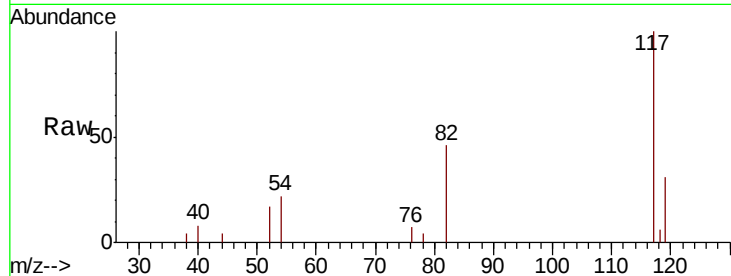




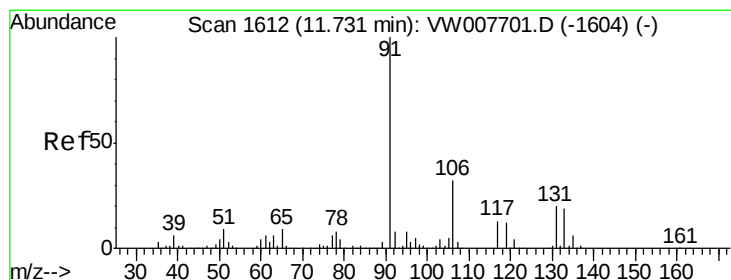
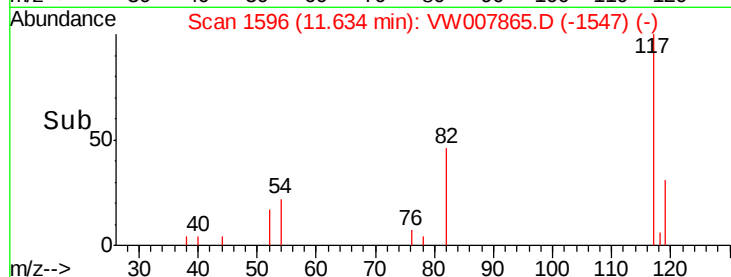
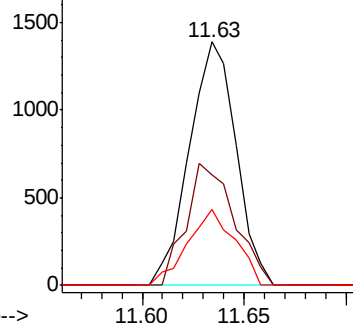
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007865.D
Acq: 23 Dec 2018 00:57

Instrument :
MSVOA_W
ClientSampleId :
SB-63(0-5)-GRAB

Tgt Ion: 117 Resp: 2212
Ion Ratio Lower Upper
117 100
82 45.6 44.3 66.5
119 31.3 25.7 38.5

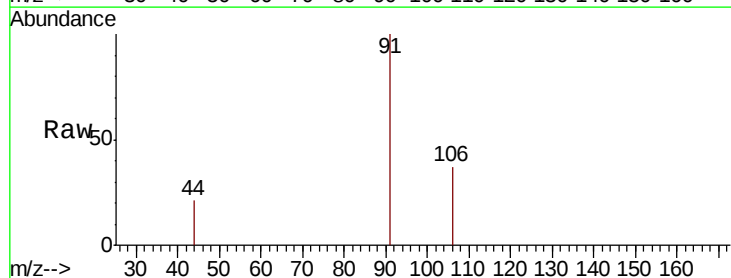


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

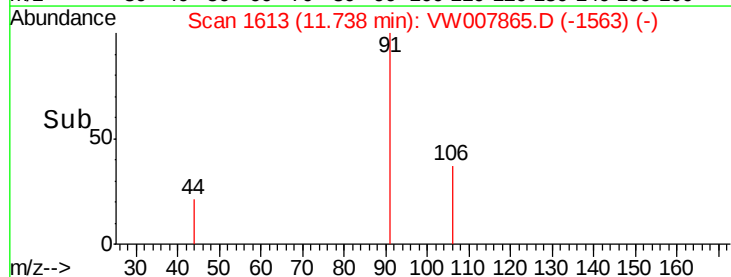
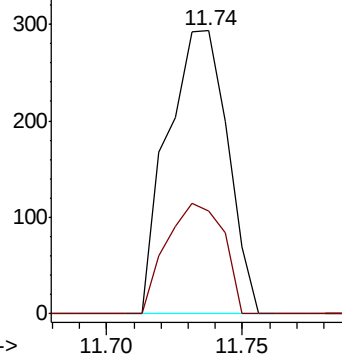


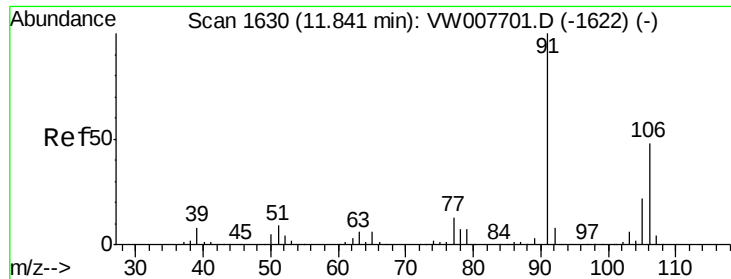
#67
Ethyl Benzene
Concen: 5.453 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.01 min
Lab File: VW007865.D
Acq: 23 Dec 2018 00:57

Tgt Ion: 91 Resp: 448
Ion Ratio Lower Upper
91 100
106 36.5 25.8 38.8



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

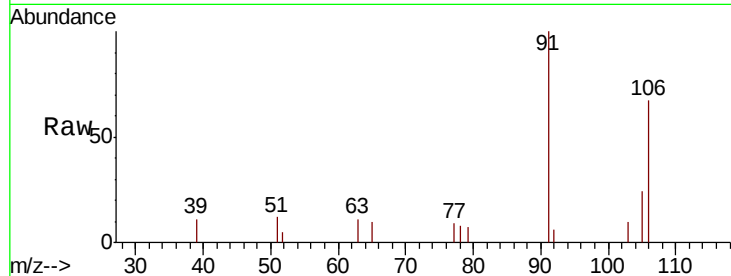




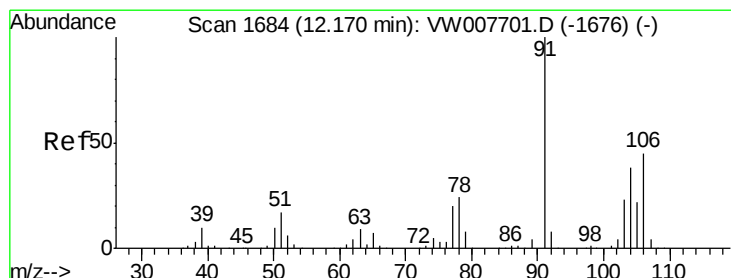
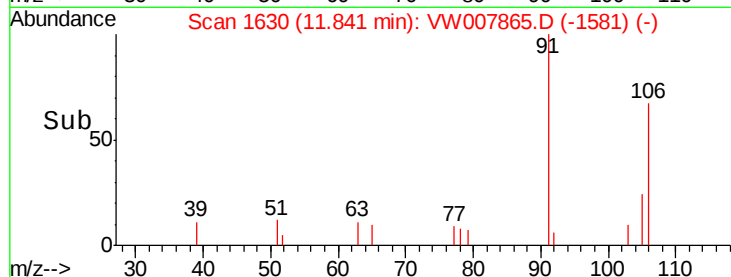
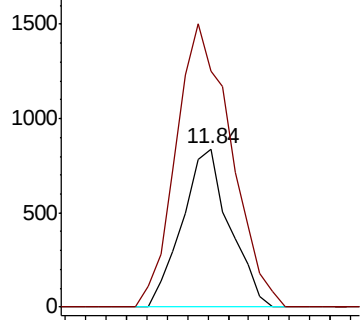
#68
m/p-Xylenes
Concen: 42.517 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007865.D
Acq: 23 Dec 2018 00:57

Instrument :
MSVOA_W
ClientSampleId :
SB-63(0-5)-GRAB

Tgt Ion:106 Resp: 1355
Ion Ratio Lower Upper
106 100
91 207.1 165.2 247.8

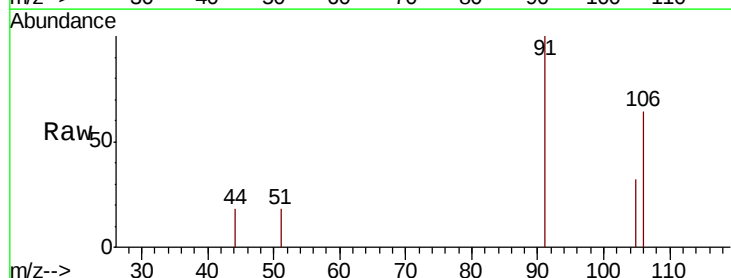


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

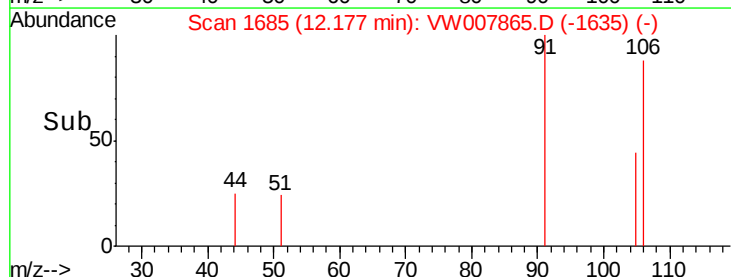
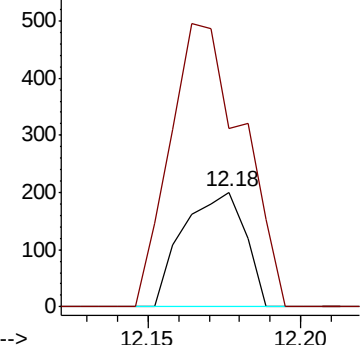


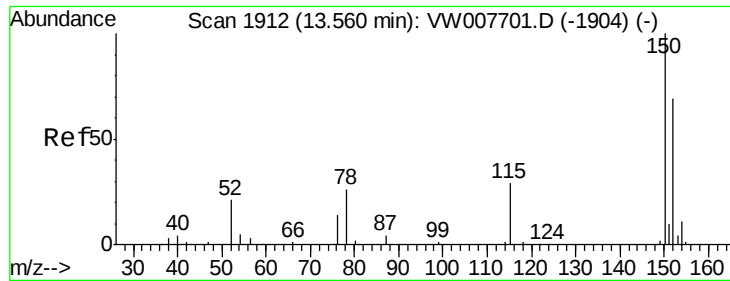
#69
o-Xylene
Concen: 9.440 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. 0.01 min
Lab File: VW007865.D
Acq: 23 Dec 2018 00:57

Tgt Ion:106 Resp: 282
Ion Ratio Lower Upper
106 100
91 288.3 110.5 331.4



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007865.D

Acq: 23 Dec 2018 00:57

Instrument :

MSVOA_W

ClientSampleId :

SB-63(0-5)-GRAB

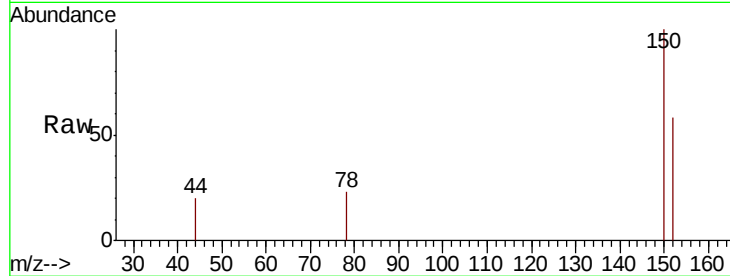
Tgt Ion: 152 Resp: 218

Ion Ratio Lower Upper

152 100

115 41.7 31.8 95.4

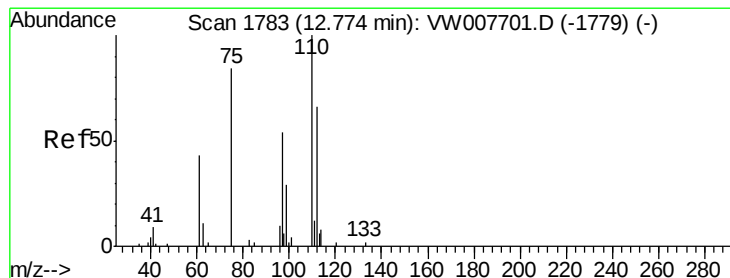
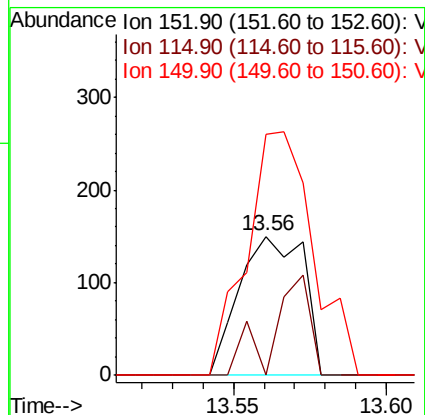
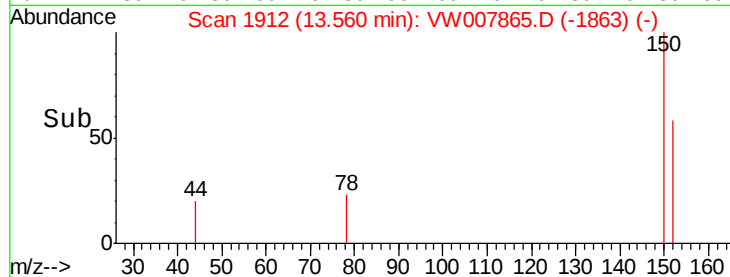
150 182.1 0.0 350.8



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: 96.740 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007865.D

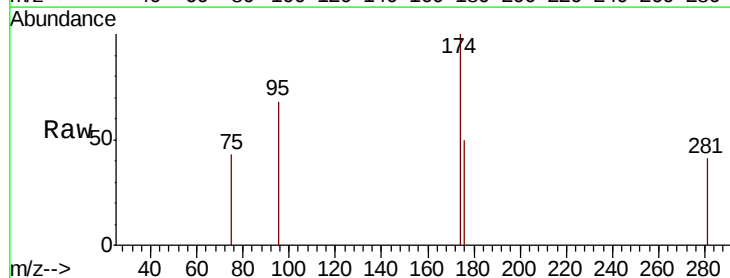
Acq: 23 Dec 2018 00:57

Tgt Ion: 75 Resp: 163

Ion Ratio Lower Upper

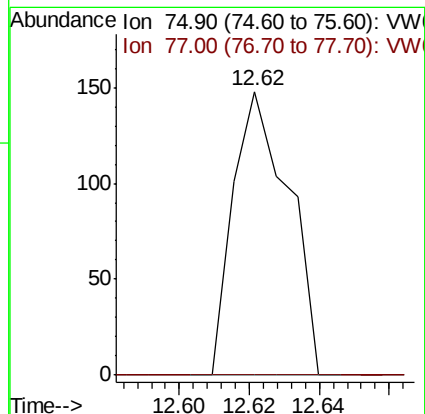
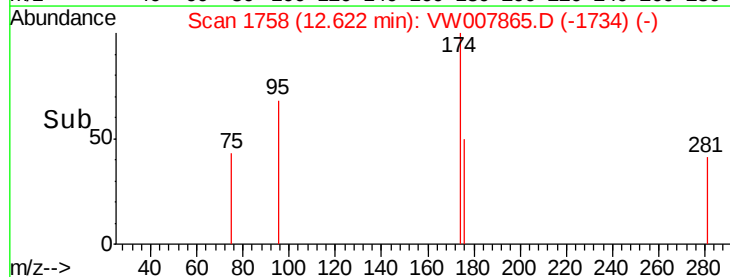
75 100

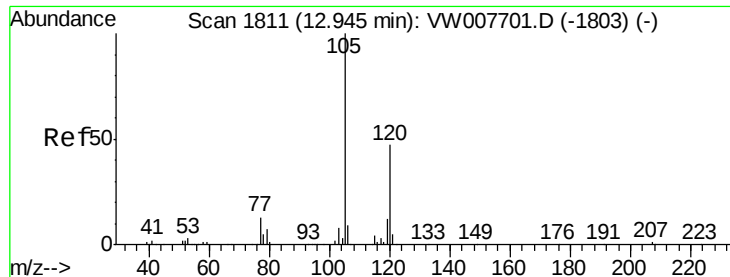
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

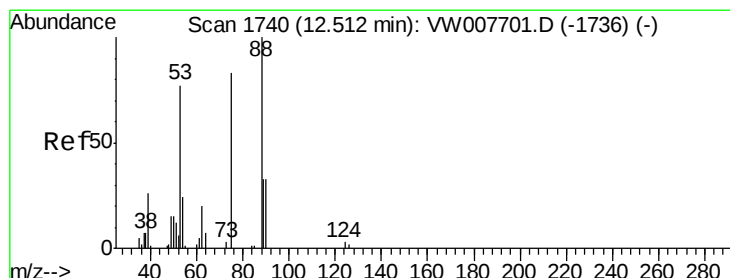
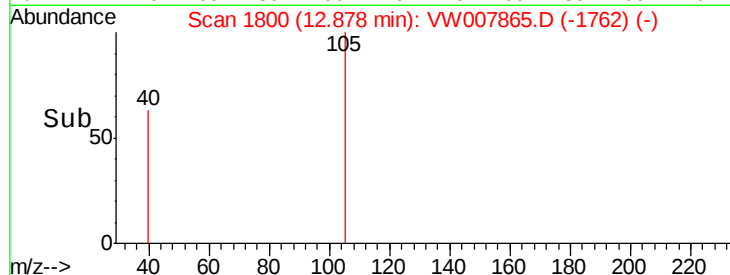
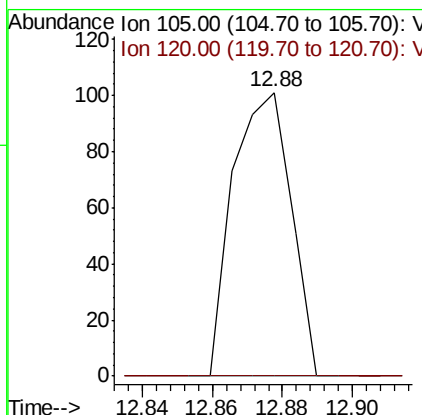
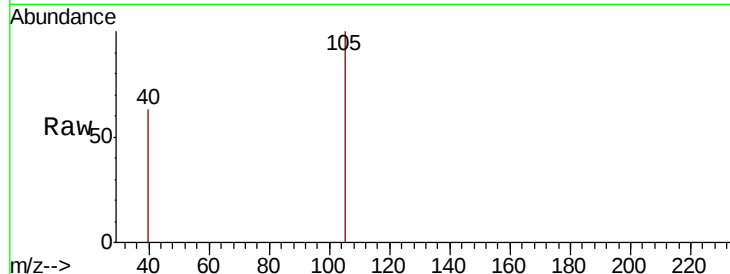




#80
 1,3,5-Trimethylbenzene
 Concen: 8.161 ug/l
 RT: 12.88 min Scan# 1800
 Delta R.T. -0.07 min
 Lab File: VW007865.D
 Acq: 23 Dec 2018 00:57

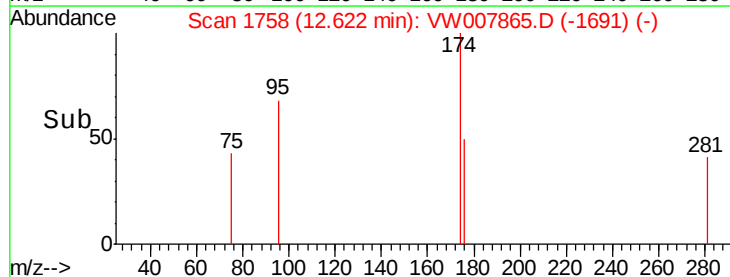
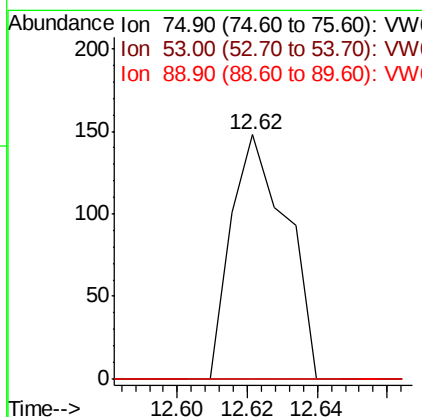
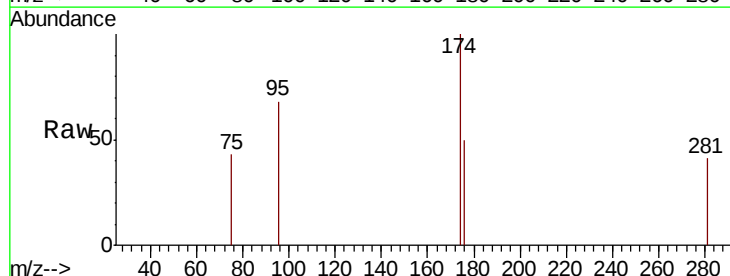
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-63(0-5)-GRAB

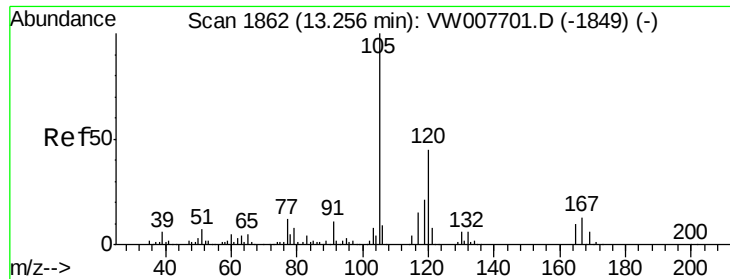
Tgt Ion: 105 Resp: 116
 Ion Ratio Lower Upper
 105 100
 120 0.0 23.6 70.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 203.063 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.11 min
 Lab File: VW007865.D
 Acq: 23 Dec 2018 00:57

Tgt Ion: 75 Resp: 163
 Ion Ratio Lower Upper
 75 100
 53 0.0 80.2 120.2#
 89 0.0 39.2 58.8#

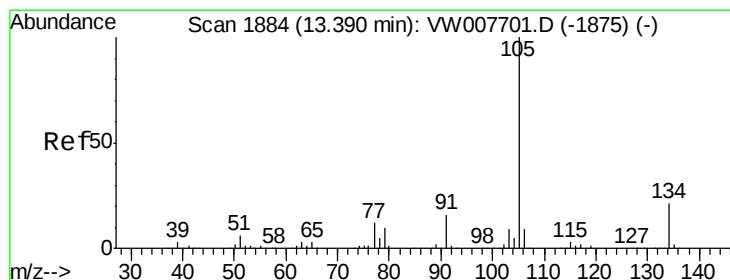
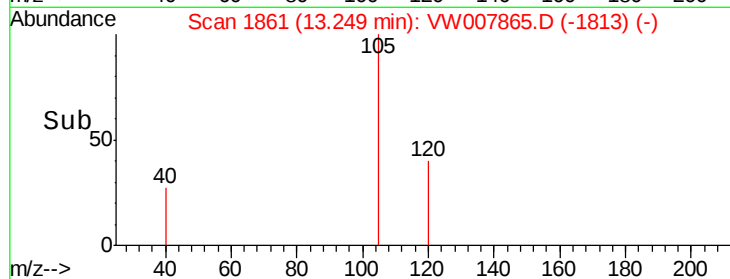
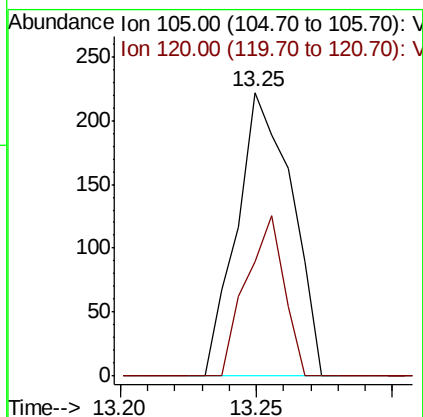
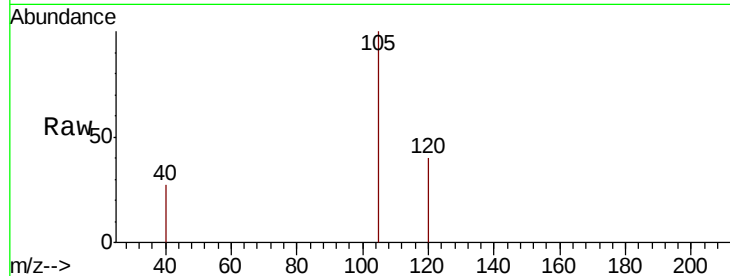




#84
 1,2,4-Trimethylbenzene
 Concen: 21.544 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.01 min
 Lab File: VW007865.D
 Acq: 23 Dec 2018 00:57

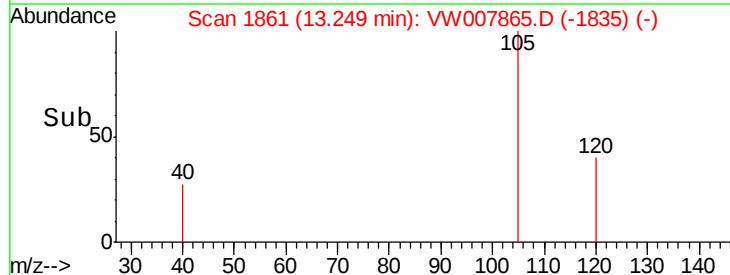
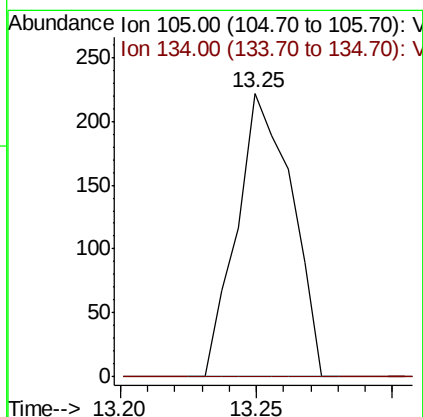
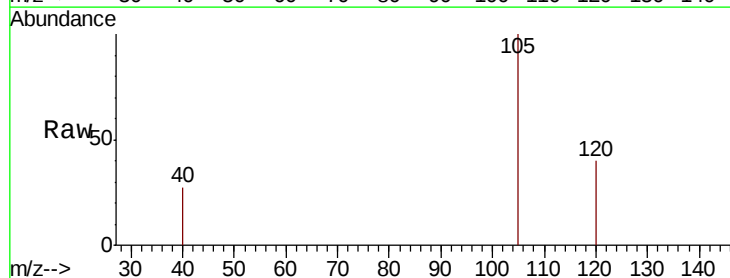
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-63(0-5)-GRAB

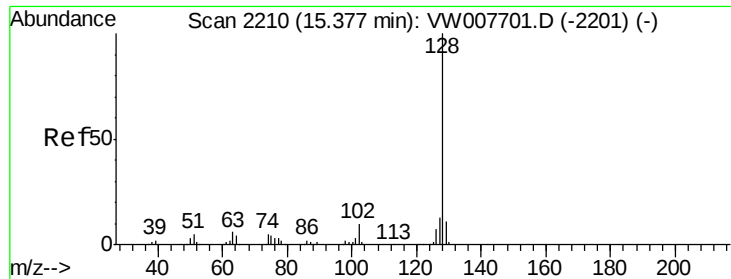
Tgt Ion:105 Resp: 309
 Ion Ratio Lower Upper
 105 100
 120 39.2 22.0 66.0



#85
 sec-Butylbenzene
 Concen: 17.978 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.14 min
 Lab File: VW007865.D
 Acq: 23 Dec 2018 00:57

Tgt Ion:105 Resp: 309
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.2 30.4#





#95

Naphthalene

Concen: 42.481 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.01 min

Lab File: VW007865.D

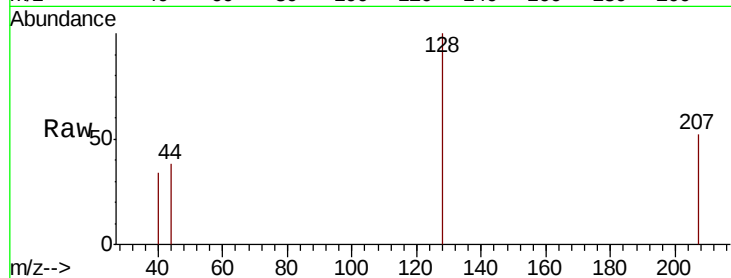
Acq: 23 Dec 2018 00:57

Instrument :

MSVOA_W

ClientSampleId :

SB-63(0-5)-GRAB



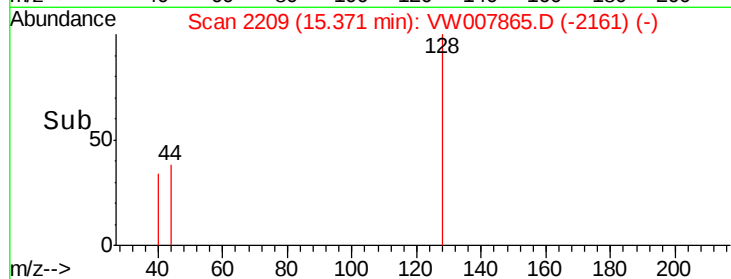
Tgt Ion:128 Resp: 366

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

