

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122418\
 Data File : VW007864.D
 Acq On : 23 Dec 2018 00:31
 Operator : SY/AP
 Sample : J6511-06
 Misc : 2.67G/5ML/MSVOA_W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-62(0-5)-GRAB

Quant Time: Dec 23 23:58:19 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	30406	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	52990	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	17716	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	1344	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	22723	68.18	ug/l	0.00
Spiked Amount			Recovery	=	136.36%	
35) Dibromofluoromethane	7.88	113	21422	66.27	ug/l	0.00
Spiked Amount			Recovery	=	132.54%	
50) Toluene-d8	10.32	98	43344	35.57	ug/l	0.00
Spiked Amount			Recovery	=	71.14%	
62) 4-Bromofluorobenzene	12.62	95	3148	6.69	ug/l	0.00
Spiked Amount			Recovery	=	13.38%	

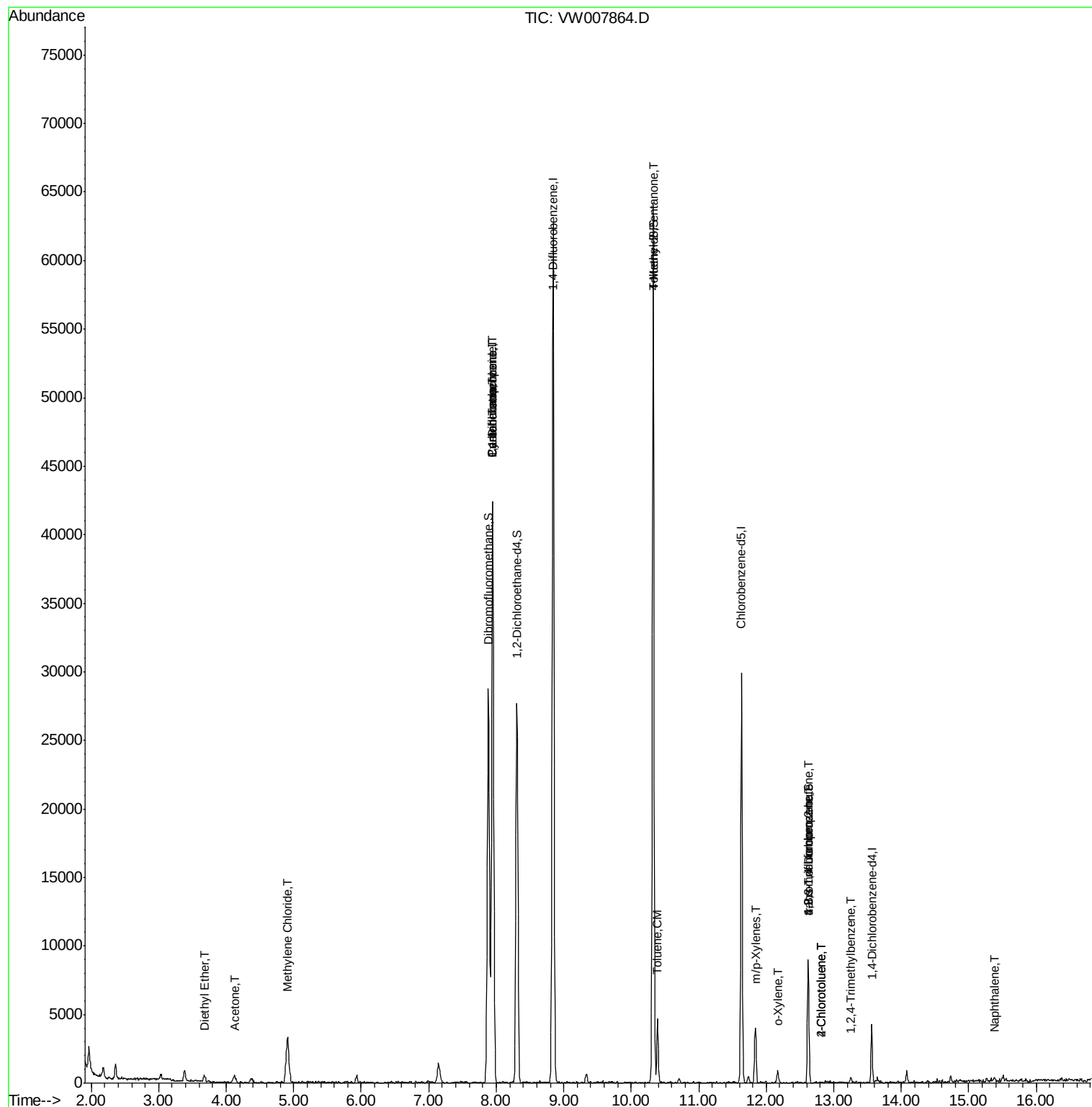
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	274	2.034	ug/l	77
16) Acetone	4.12	43	1047	16.777	ug/l	92
20) Methylene Chloride	4.91	84	2818	3.117	ug/l #	87
31) Cyclohexane	7.95	56	985	1.985	ug/l #	43
36) 1,1-Dichloropropene	7.95	75	2411	4.714	ug/l #	48
38) Carbon Tetrachloride	7.95	117	3298	5.475	ug/l #	15
51) 4-Methyl-2-Pentanone	10.32	43	177	1.059	ug/l #	1
52) Toluene	10.39	92	2245	2.452	ug/l	95
68) m/p-Xylenes	11.84	106	1376	5.391	ug/l	98
69) o-Xylene	12.17	106	353	1.475	ug/l	88
76) 1,2,3-Trichloropropane	12.62	75	1611	155.085	ug/l #	100
79) 2-Chlorotoluene	12.81	91	78	1.132	ug/l #	41
81) trans-1,4-Dichloro-2-buten	12.62	75	1611	325.534	ug/l #	9
82) 4-Chlorotoluene	12.81	91	78	1.063	ug/l #	42
84) 1,2,4-Trimethylbenzene	13.25	105	372	4.207	ug/l	88
95) Naphthalene	15.38	128	428	8.058	ug/l #	69

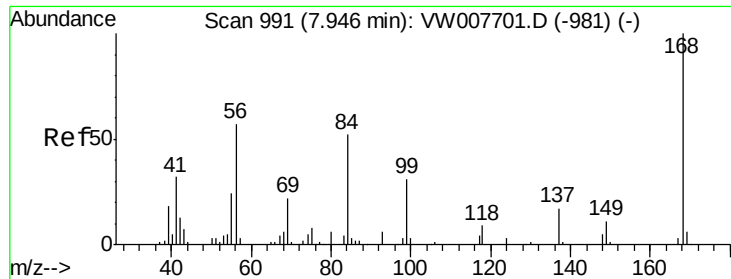
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW007864.D

Acq: 23 Dec 2018 00:31

Instrument :

MSVOA_W

ClientSampleId :

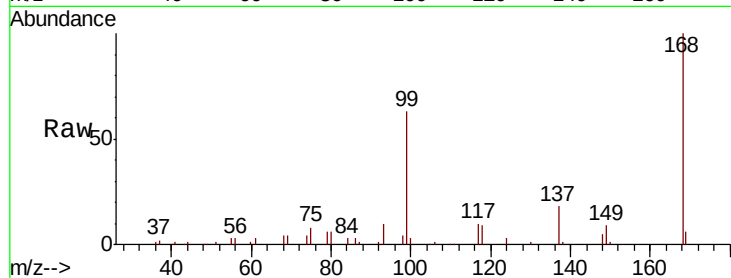
SB-62(0-5)-GRAB

Tgt Ion: 168 Resp: 30406

Ion Ratio Lower Upper

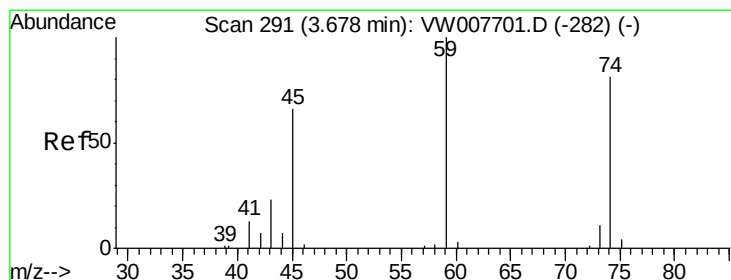
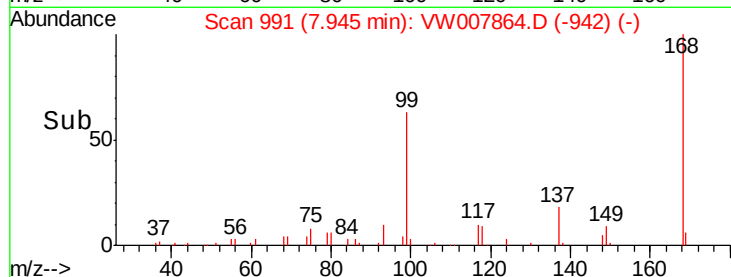
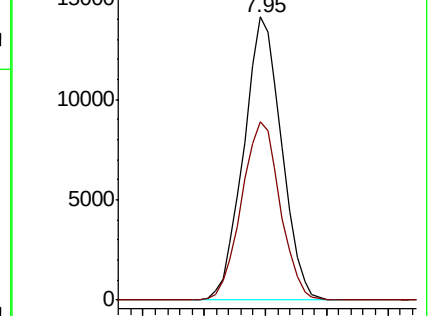
168 100

99 63.0 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 2.034 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW007864.D

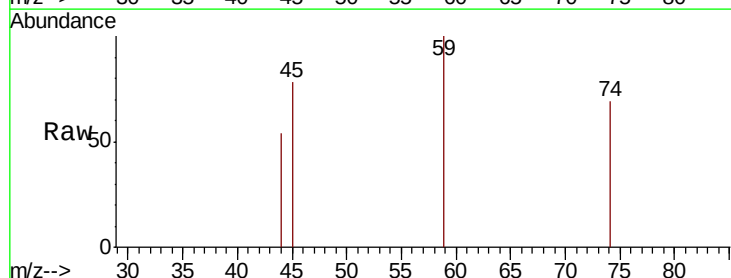
Acq: 23 Dec 2018 00:31

Tgt Ion: 74 Resp: 274

Ion Ratio Lower Upper

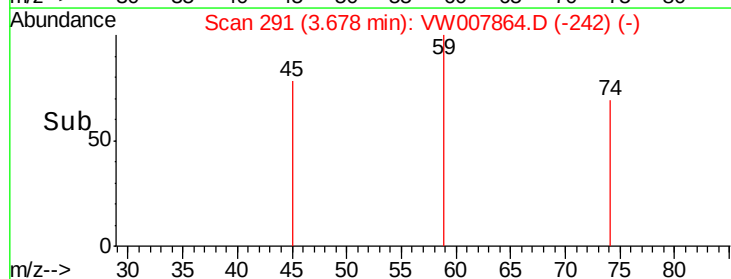
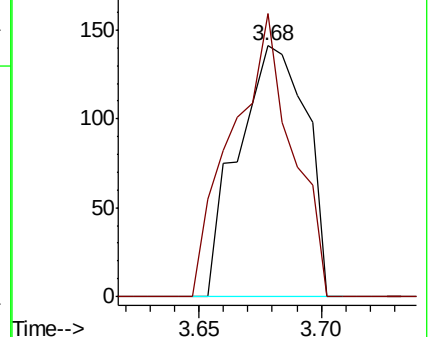
74 100

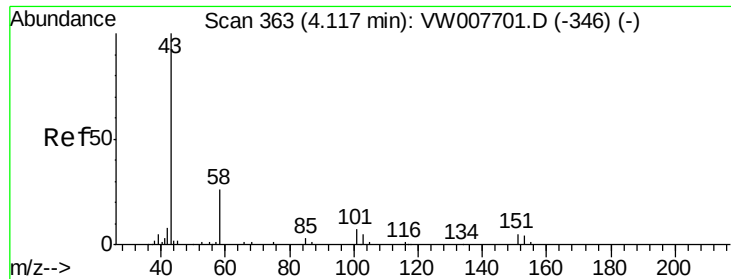
45 98.9 39.4 118.1



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

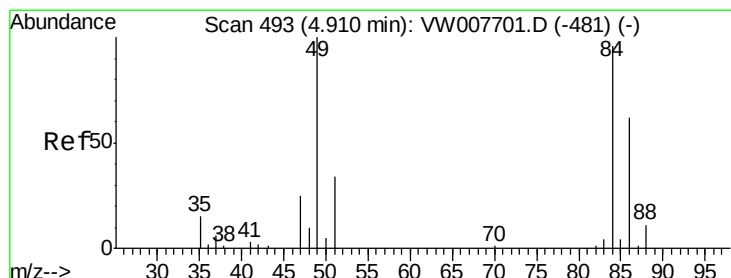
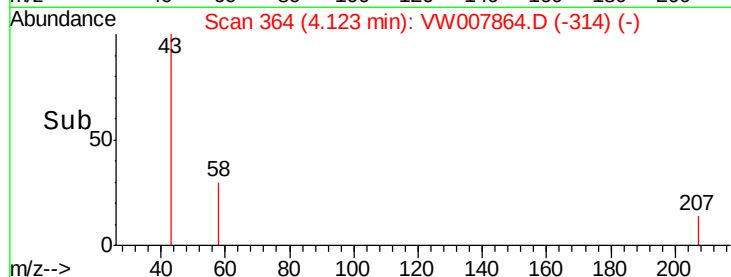
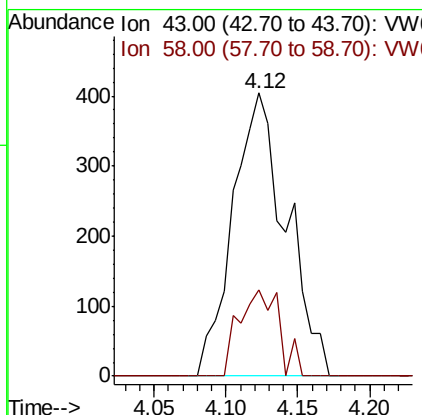
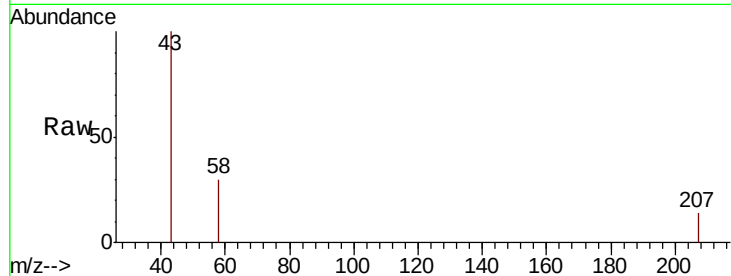




#16
Acetone
Concen: 16.777 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW007864.D
Acq: 23 Dec 2018 00:31

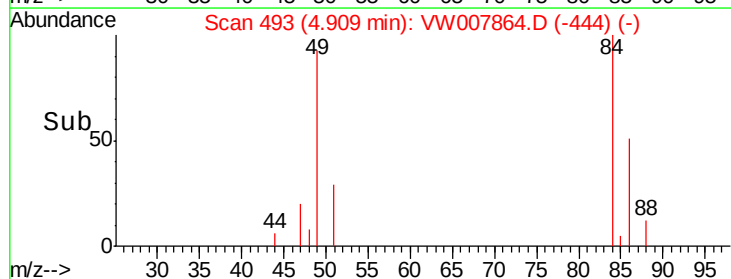
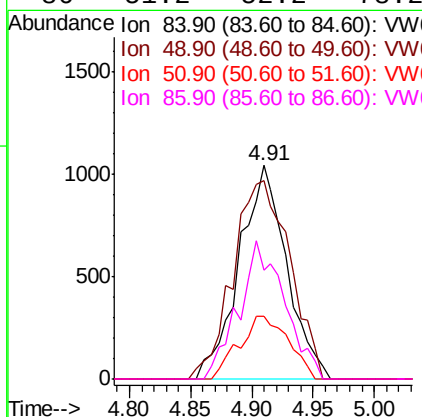
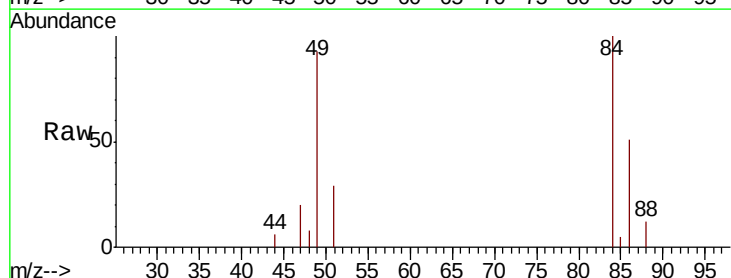
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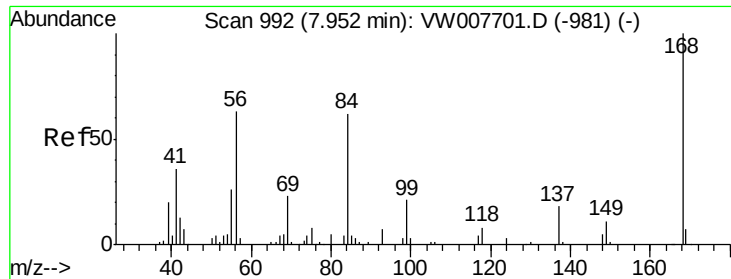
Tgt Ion: 43 Resp: 1047
Ion Ratio Lower Upper
43 100
58 30.4 21.2 31.8



#20
Methylene Chloride
Concen: 3.117 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW007864.D
Acq: 23 Dec 2018 00:31

Tgt Ion: 84 Resp: 2818
Ion Ratio Lower Upper
84 100
49 93.2 83.7 125.5
51 29.1 28.2 42.2
86 51.2 52.2 78.2#

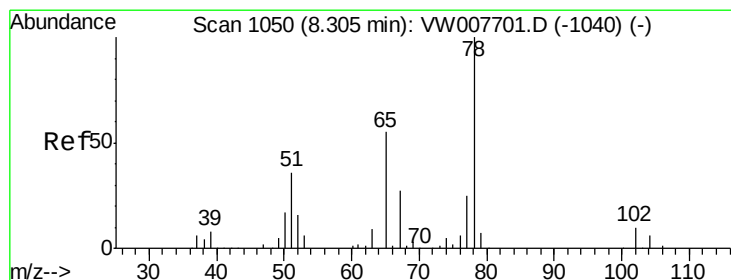
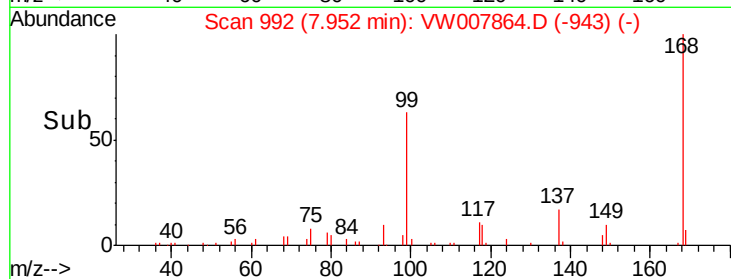
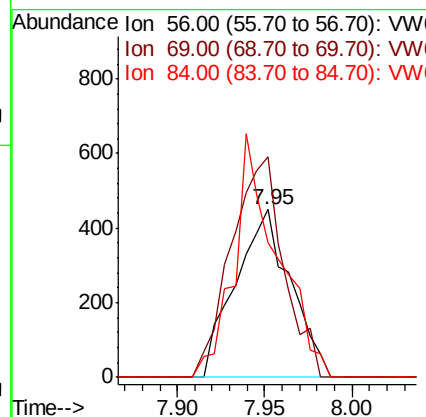
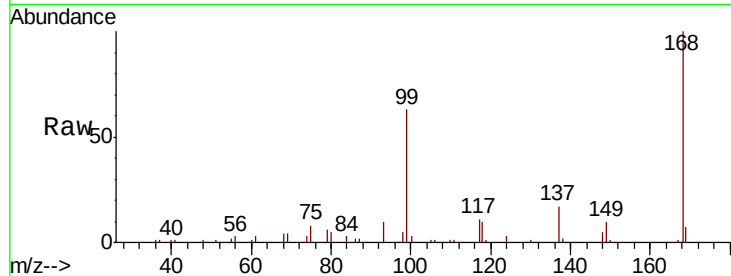




#31
Cyclohexane
Concen: 1.985 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW007864.D
Acq: 23 Dec 2018 00:31

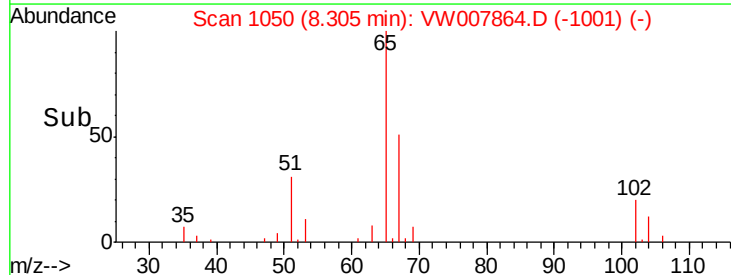
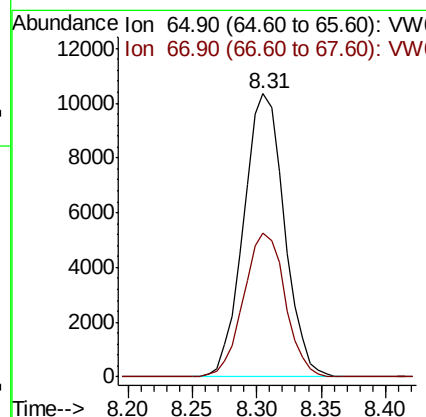
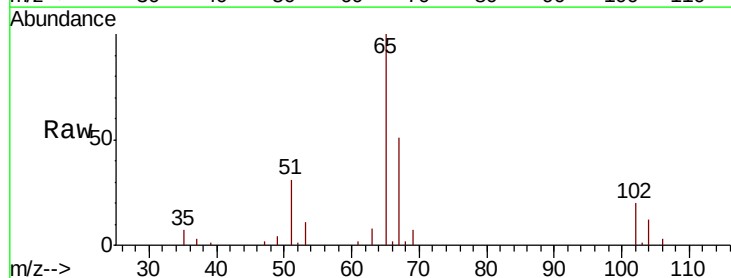
Instrument :
MSVOA_W
ClientSampleId :
SB-62(0-5)-GRAB

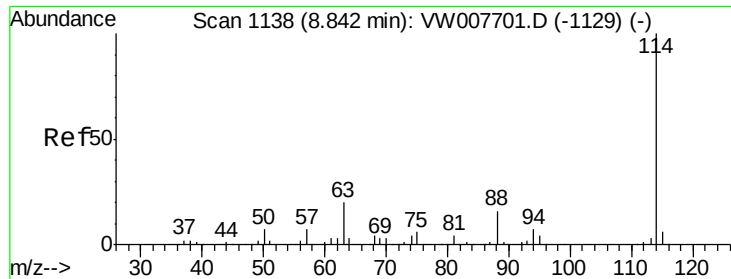
Tgt Ion: 56 Resp: 985
Ion Ratio Lower Upper
56 100
69 131.1 29.7 44.5#
84 80.0 78.9 118.3



#33
1,2-Dichloroethane-d4
Concen: 68.183 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW007864.D
Acq: 23 Dec 2018 00:31

Tgt Ion: 65 Resp: 22723
Ion Ratio Lower Upper
65 100
67 51.4 0.0 100.6

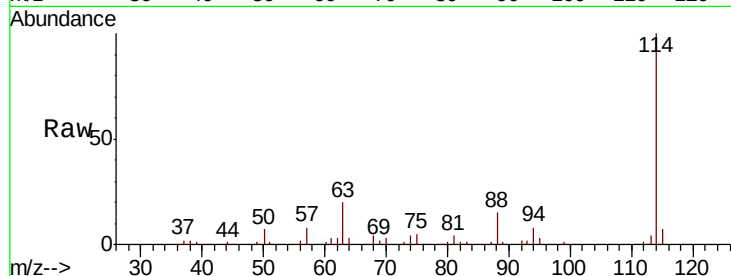




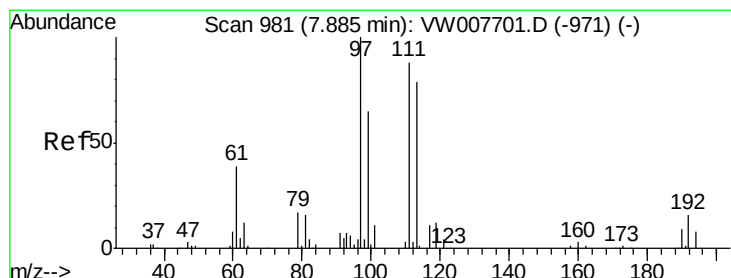
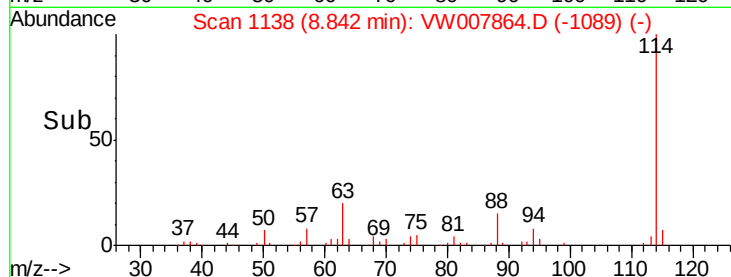
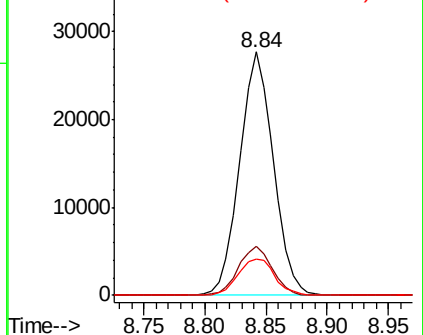
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007864.D
 Acq: 23 Dec 2018 00:31

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-62(0-5)-GRAB

Tgt Ion:114 Resp: 52990
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.0
 88 15.1 0.0 32.6

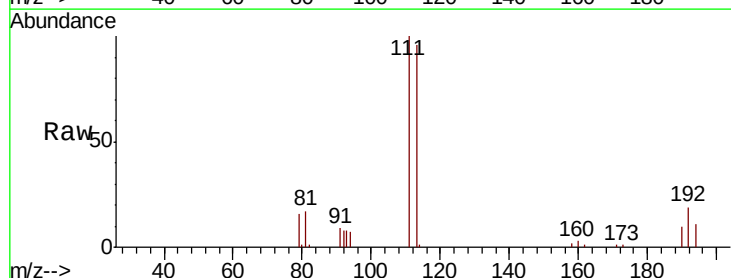


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

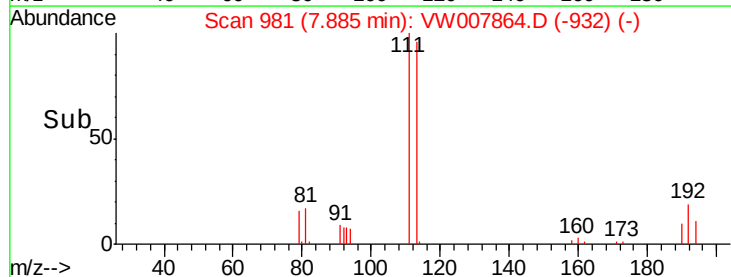
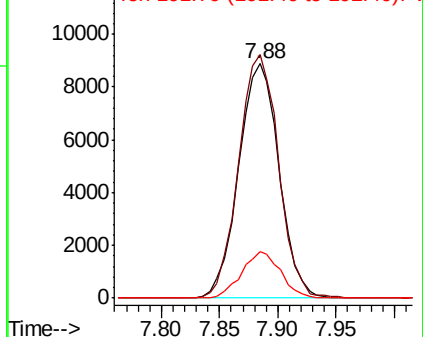


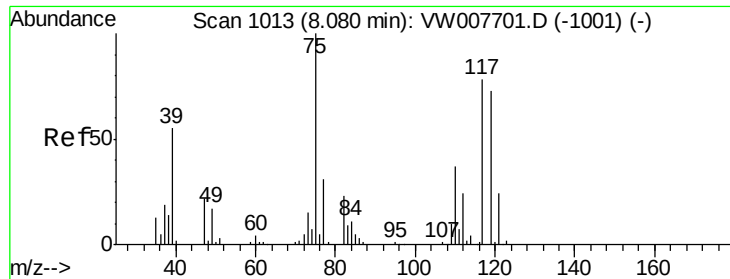
#35
 Dibromofluoromethane
 Concen: 66.267 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007864.D
 Acq: 23 Dec 2018 00:31

Tgt Ion:113 Resp: 21422
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.6 124.0
 192 19.1 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: 4.714 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW007864.D

Acq: 23 Dec 2018 00:31

Instrument :

MSVOA_W

ClientSampleId :

SB-62(0-5)-GRAB

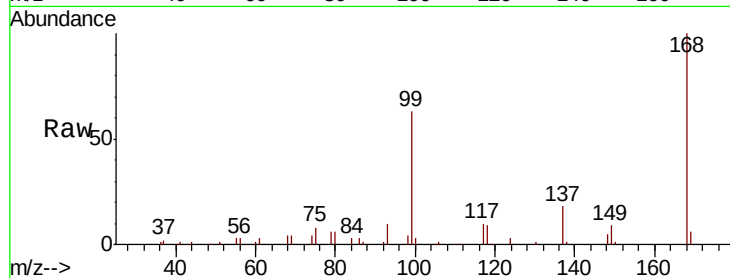
Tgt Ion: 75 Resp: 2411

Ion Ratio Lower Upper

75 100

110 8.8 18.6 55.8#

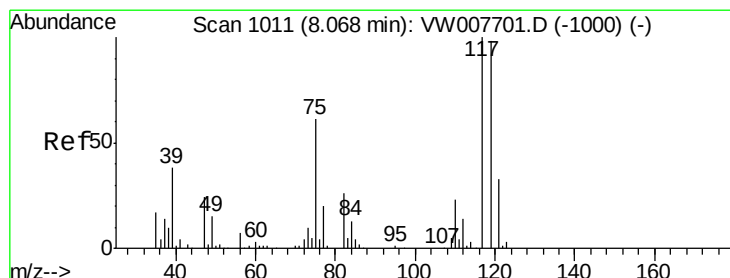
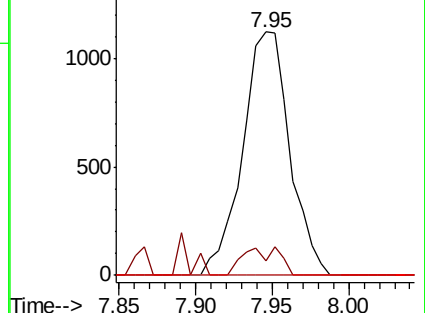
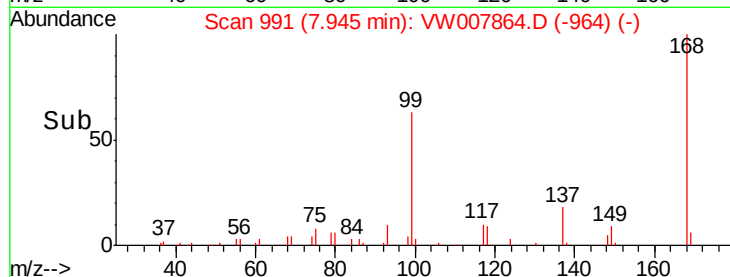
77 0.0 25.0 37.4#



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: 5.475 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW007864.D

Acq: 23 Dec 2018 00:31

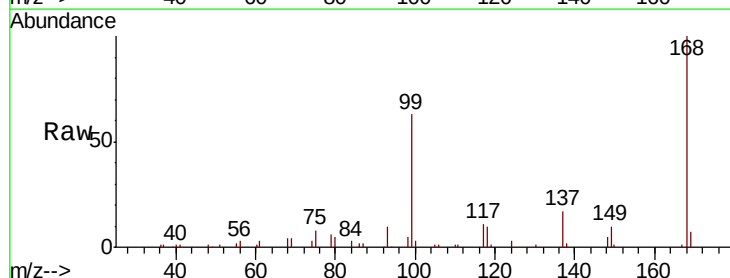
Tgt Ion: 117 Resp: 3298

Ion Ratio Lower Upper

117 100

119 4.7 78.2 117.2#

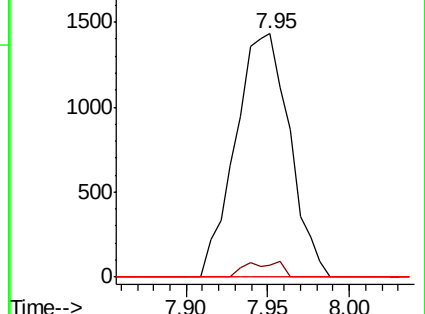
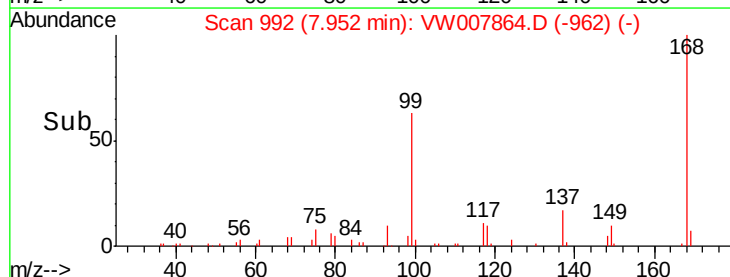
121 0.0 26.1 39.1#

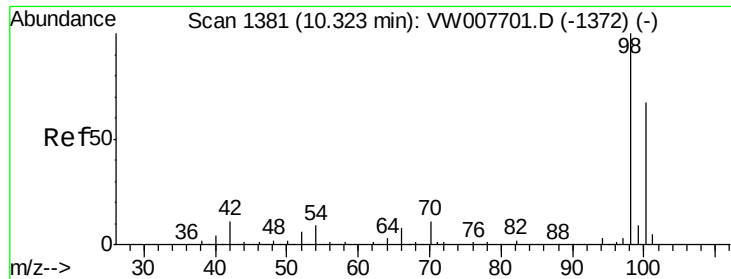


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

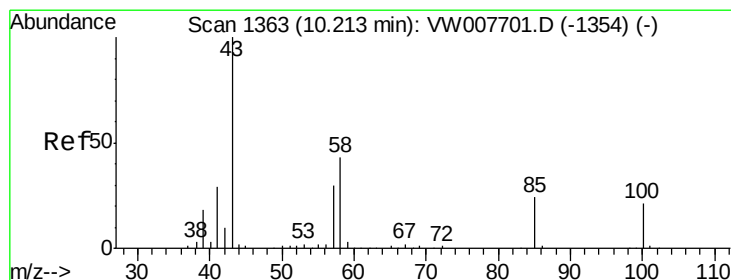
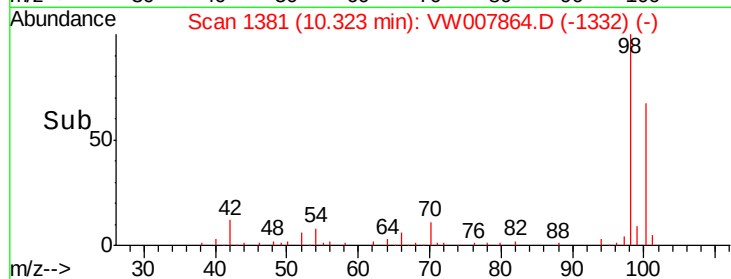
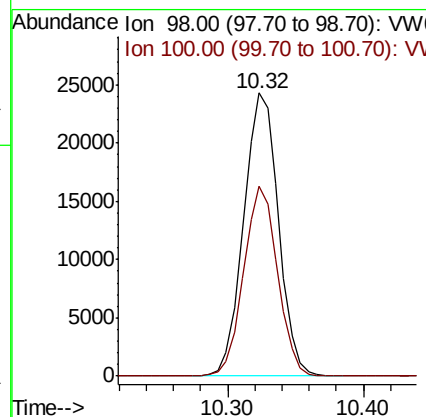
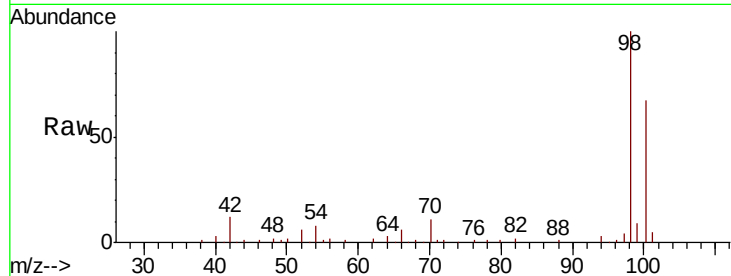




#50
Toluene-d8
Concen: 35.567 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007864.D
Acq: 23 Dec 2018 00:31

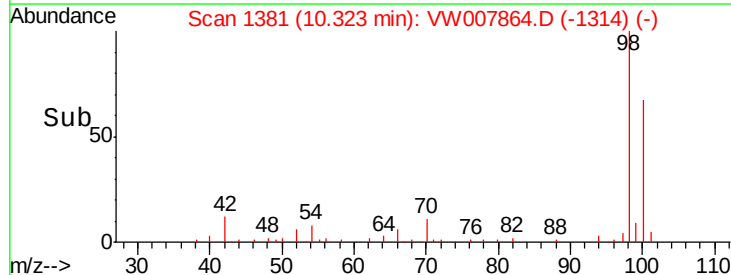
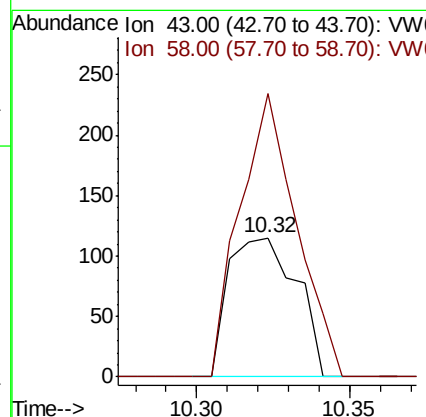
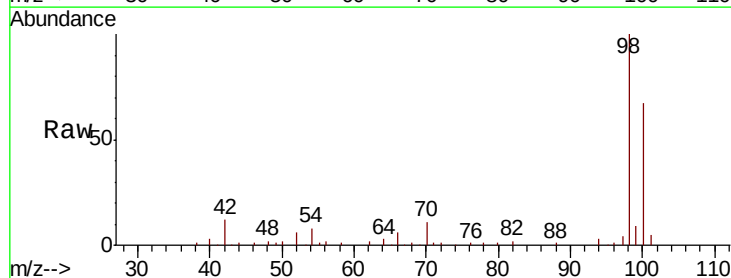
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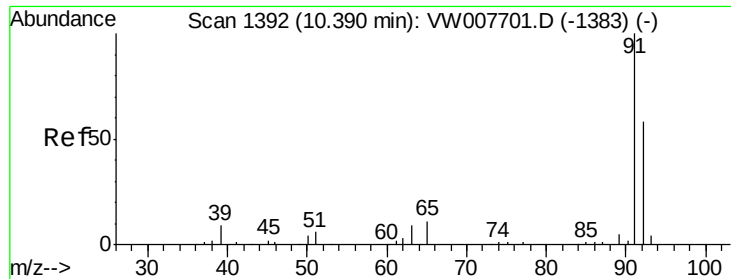
Tgt Ion: 98 Resp: 43344
Ion Ratio Lower Upper
98 100
100 65.4 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 1.059 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.11 min
Lab File: VW007864.D
Acq: 23 Dec 2018 00:31

Tgt Ion: 43 Resp: 177
Ion Ratio Lower Upper
43 100
58 170.1 33.2 49.8#





#52

Toluene

Concen: 2.452 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007864.D

Acq: 23 Dec 2018 00:31

Instrument :

MSVOA_W

ClientSampleId :

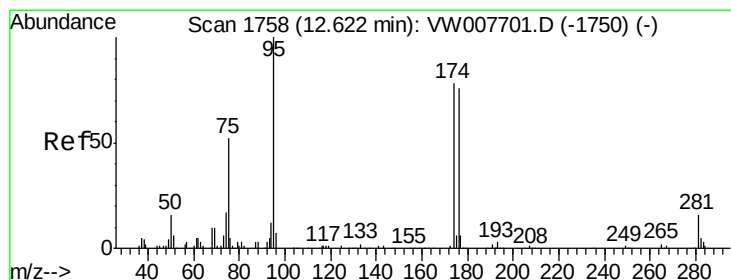
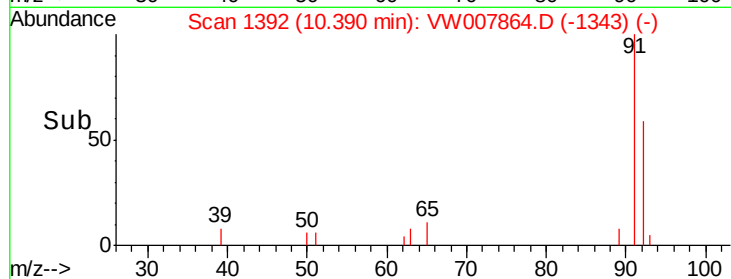
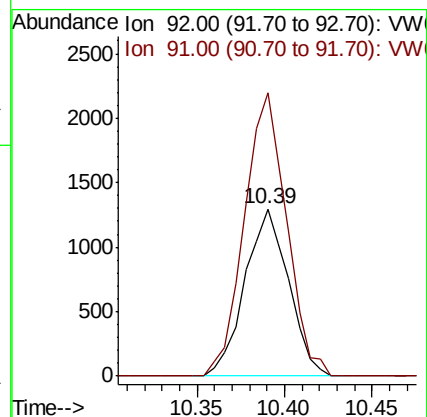
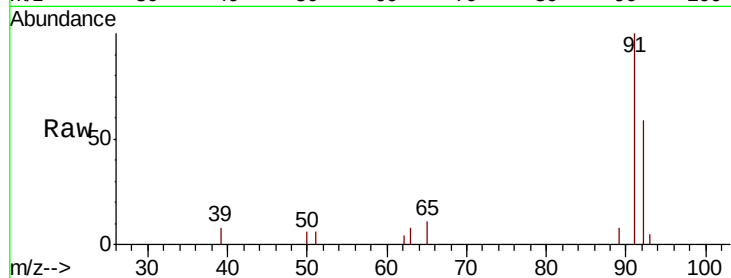
SB-62(0-5)-GRAB

Tgt Ion: 92 Resp: 2245

Ion Ratio Lower Upper

92 100

91 163.8 137.0 205.4



#62

4-Bromofluorobenzene

Concen: 6.687 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007864.D

Acq: 23 Dec 2018 00:31

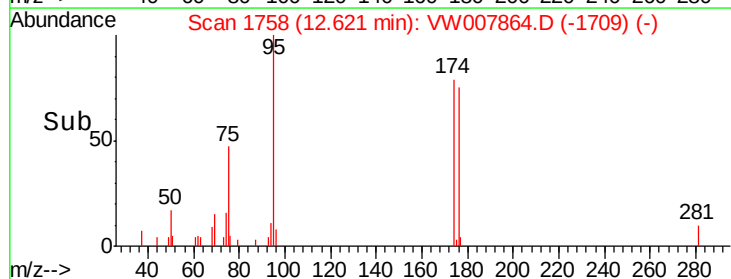
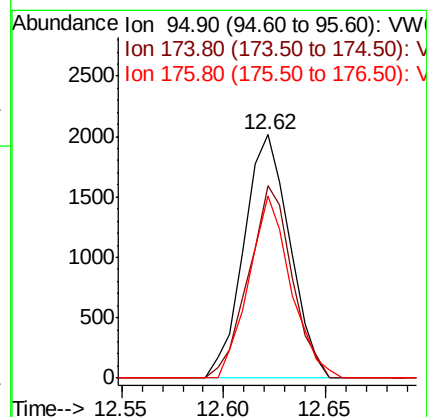
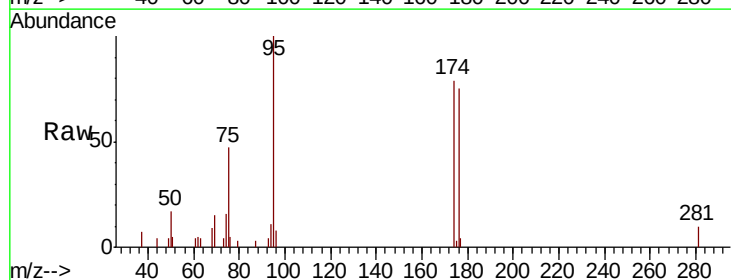
Tgt Ion: 95 Resp: 3148

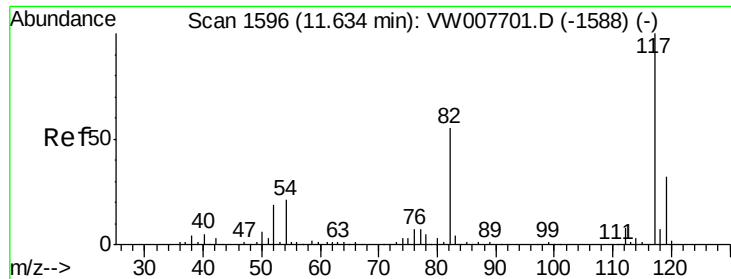
Ion Ratio Lower Upper

95 100

174 75.1 0.0 152.2

176 68.5 0.0 146.8

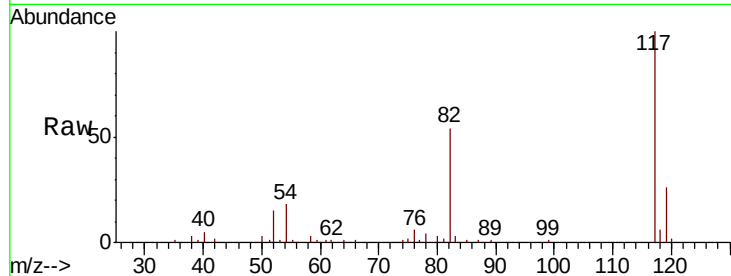




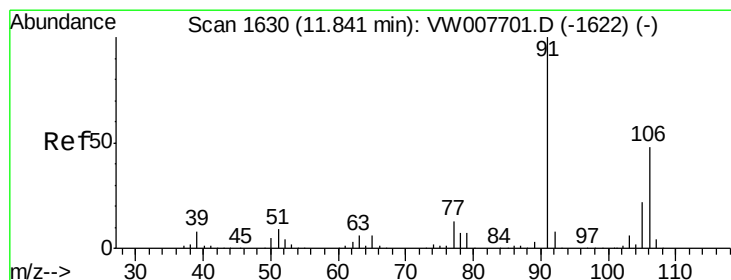
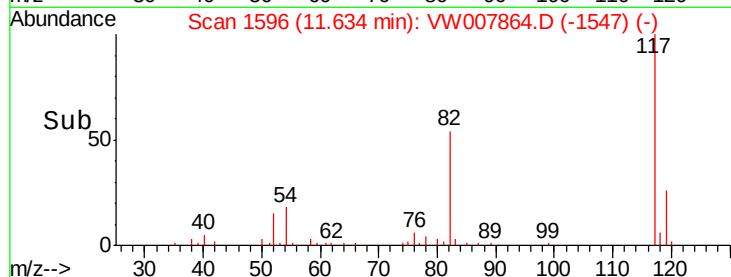
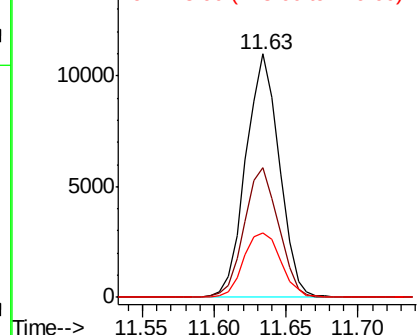
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007864.D
Acq: 23 Dec 2018 00:31

Instrument :
MSVOA_W
ClientSampleId :
SB-62(0-5)-GRAB

Tgt Ion:117 Resp: 17716
Ion Ratio Lower Upper
117 100
82 53.5 44.3 66.5
119 26.3 25.7 38.5

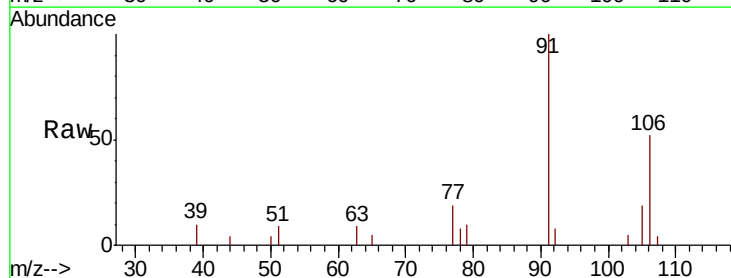


Abundance Ion 116.90 (116.60 to 117.60): V
15000 Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

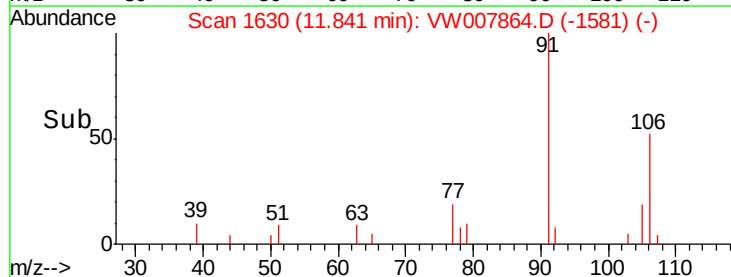
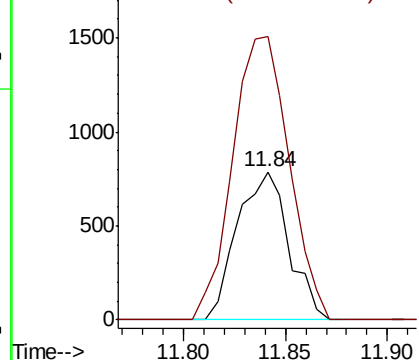


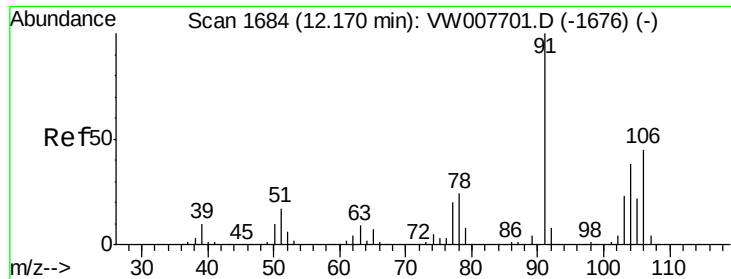
#68
m/p-Xylenes
Concen: 5.391 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007864.D
Acq: 23 Dec 2018 00:31

Tgt Ion:106 Resp: 1376
Ion Ratio Lower Upper
106 100
91 210.3 165.2 247.8



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

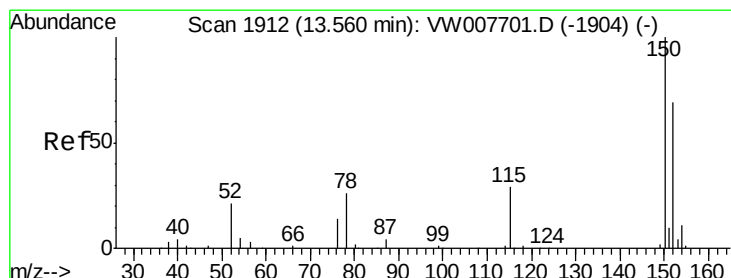
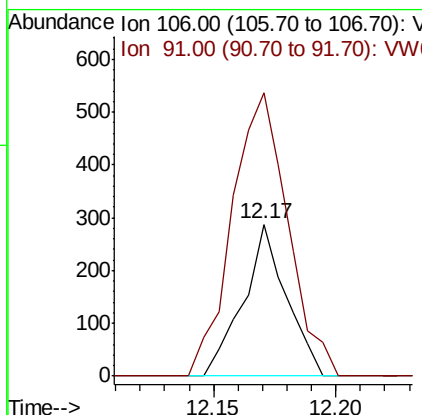
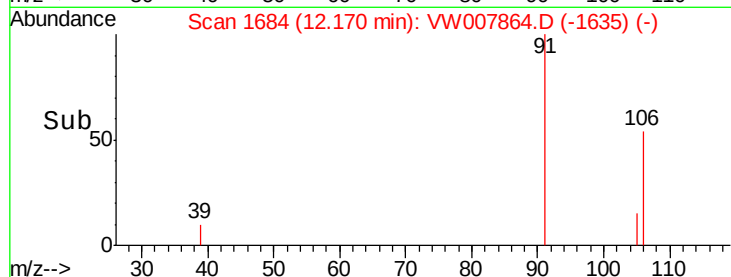
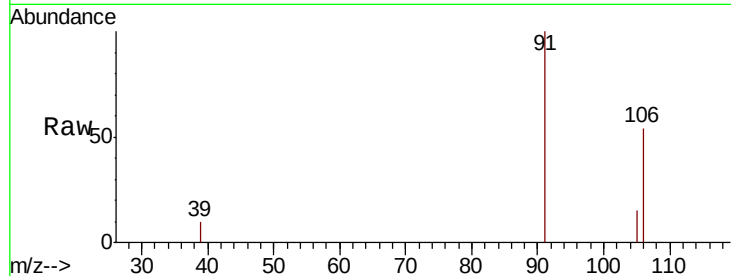




#69
o-Xylene
Concen: 1.475 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007864.D
Acq: 23 Dec 2018 00:31

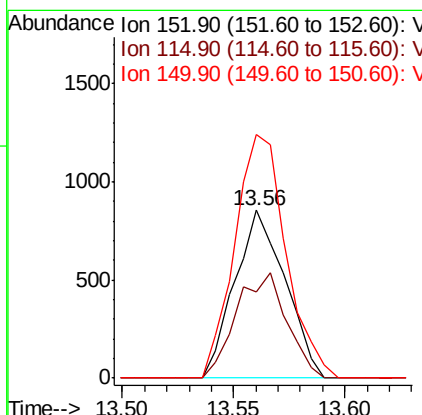
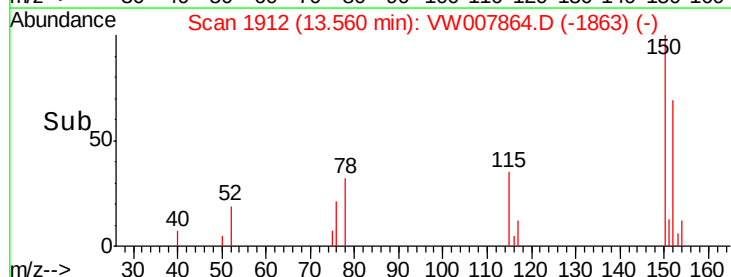
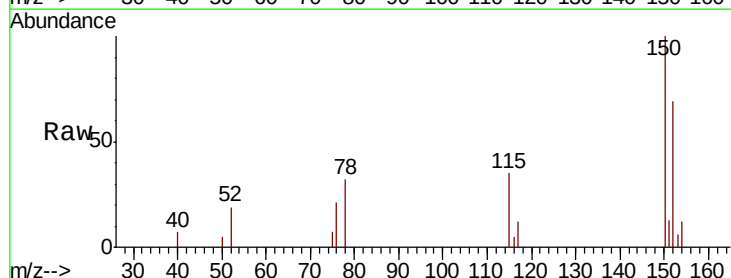
Instrument :
MSVOA_W
ClientSampleId :
SB-62(0-5)-GRAB

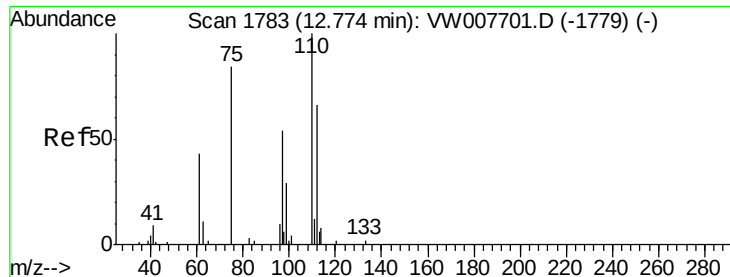
Tgt Ion:106 Resp: 353
Ion Ratio Lower Upper
106 100
91 240.8 110.5 331.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007864.D
Acq: 23 Dec 2018 00:31

Tgt Ion:152 Resp: 1344
Ion Ratio Lower Upper
152 100
115 63.0 31.8 95.4
150 148.0 0.0 350.8





#76

1,2,3-Trichloropropane

Concen: 155.085 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007864.D

Acq: 23 Dec 2018 00:31

Instrument :

MSVOA_W

ClientSampled :

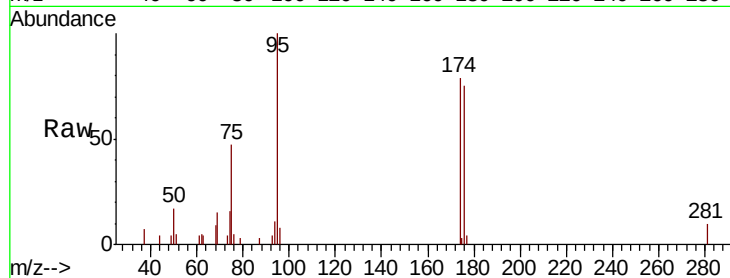
SB-62(0-5)-GRAB

Tgt Ion: 75 Resp: 1611

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

12.62

1000

800

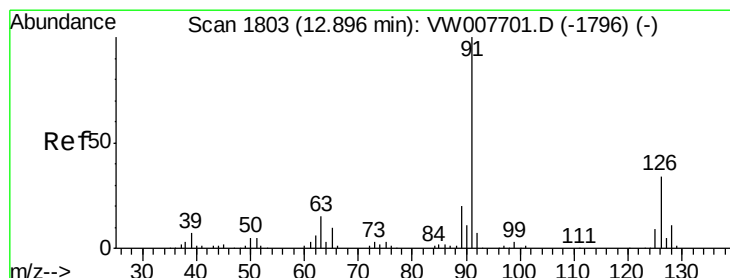
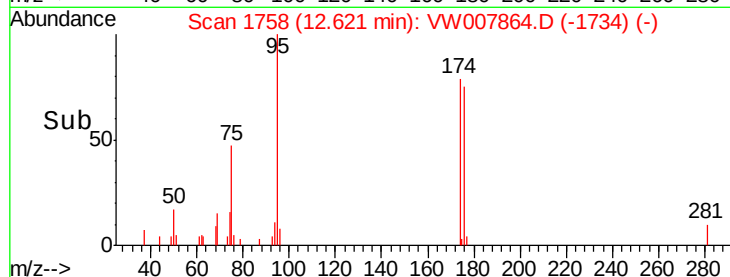
600

400

200

0

Time--> 12.55 12.60 12.65



#79

2-Chlorotoluene

Concen: 1.132 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.09 min

Lab File: VW007864.D

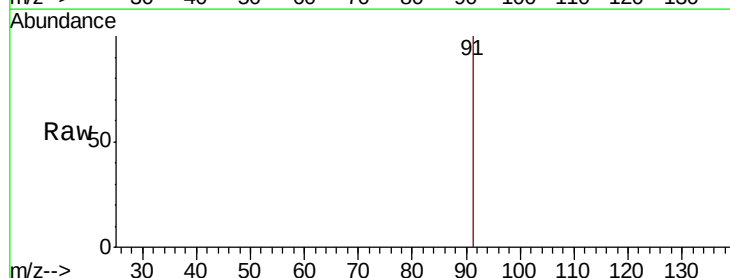
Acq: 23 Dec 2018 00:31

Tgt Ion: 91 Resp: 78

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

12.81

100

80

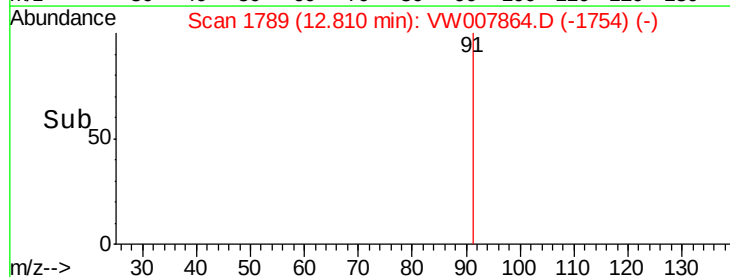
60

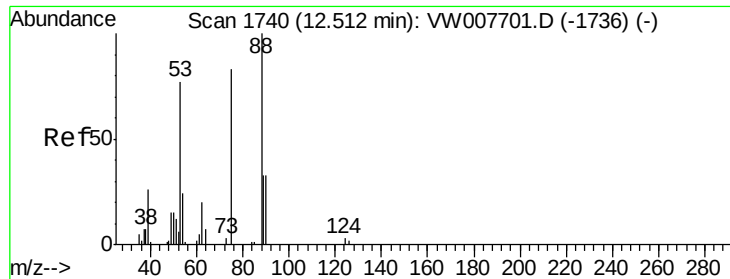
40

20

0

Time--> 12.78 12.80 12.82 12.84

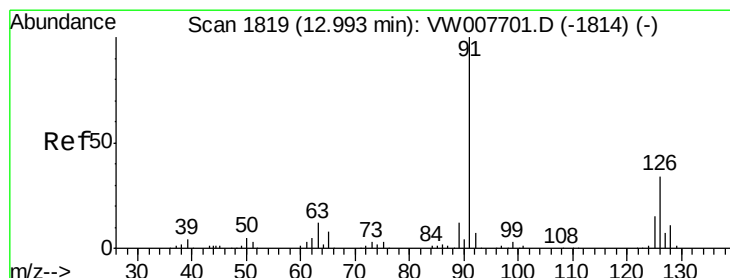
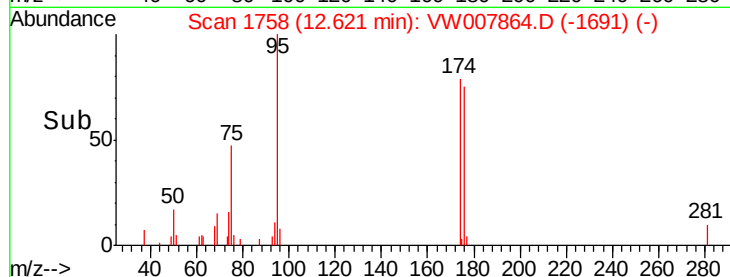
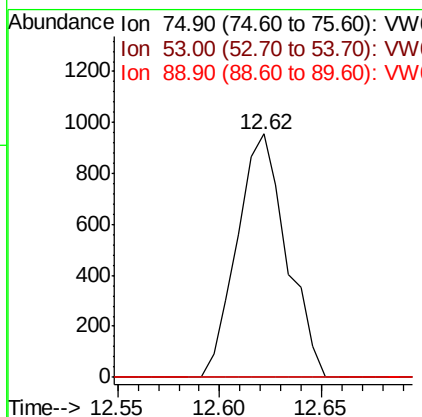
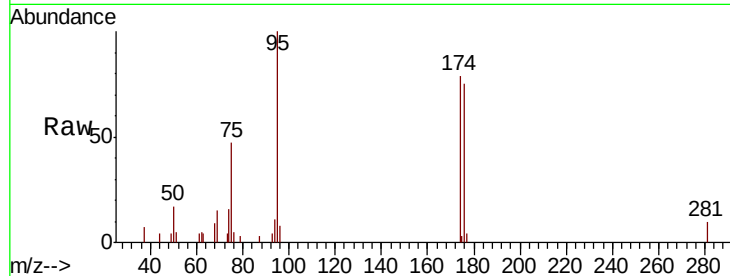




#81
trans-1,4-Dichloro-2-butene
Concen: 325.534 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.11 min
Lab File: VW007864.D
Acq: 23 Dec 2018 00:31

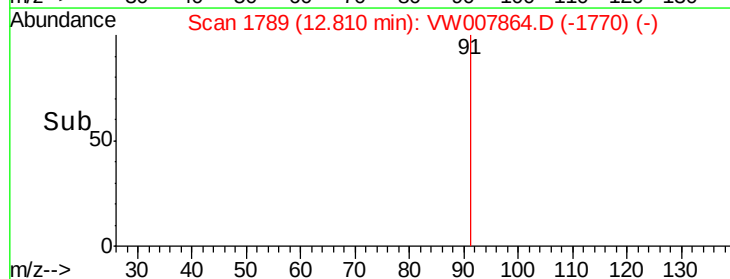
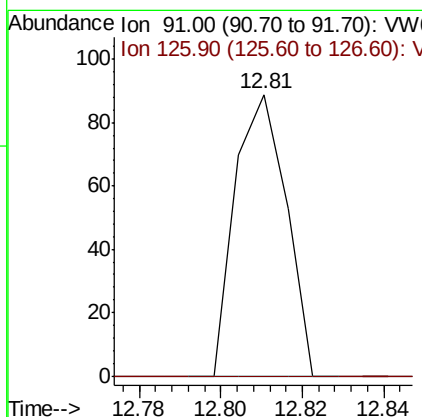
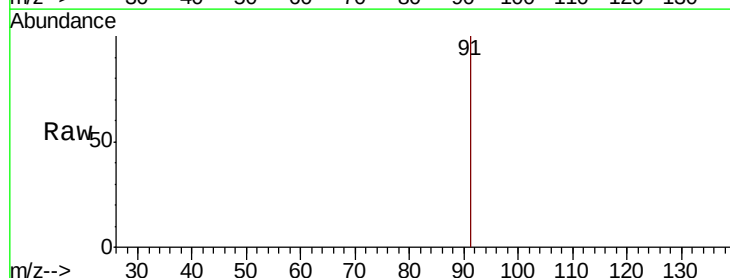
Instrument :
MSVOA_W
ClientSampleId :
SB-62(0-5)-GRAB

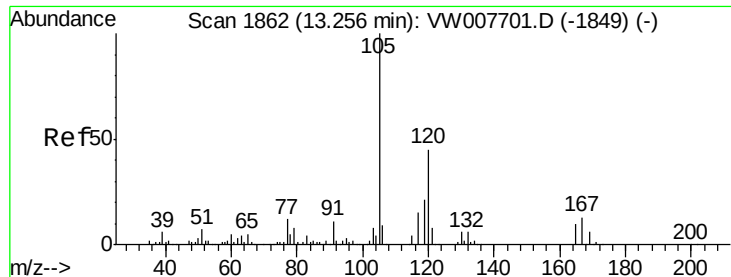
Tgt Ion: 75 Resp: 1611
Ion Ratio Lower Upper
75 100
53 0.0 80.2 120.2#
89 0.0 39.2 58.8#



#82
4-Chlorotoluene
Concen: 1.063 ug/l
RT: 12.81 min Scan# 1789
Delta R.T. -0.18 min
Lab File: VW007864.D
Acq: 23 Dec 2018 00:31

Tgt Ion: 91 Resp: 78
Ion Ratio Lower Upper
91 100
126 0.0 16.5 49.5#

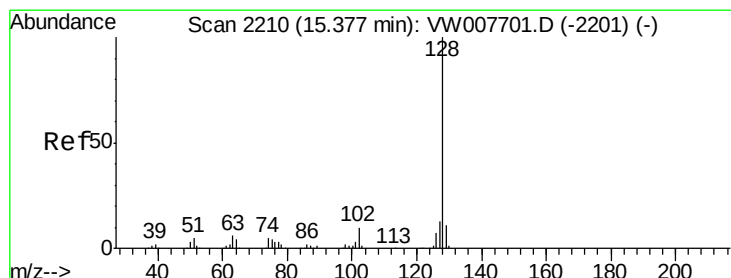
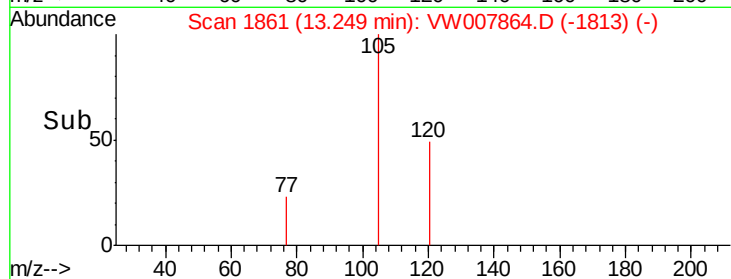
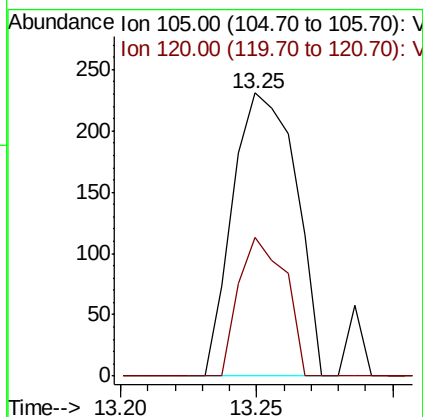
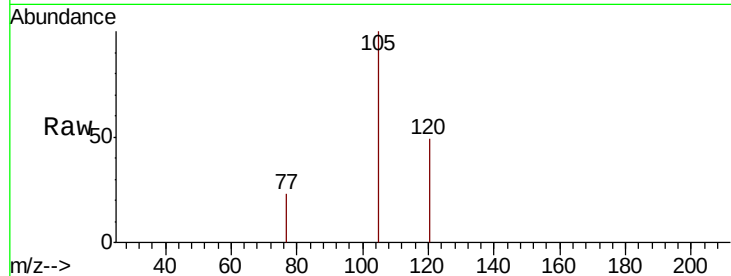




#84
 1,2,4-Trimethylbenzene
 Concen: 4.207 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.01 min
 Lab File: VW007864.D
 Acq: 23 Dec 2018 00:31

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-62(0-5)-GRAB

Tgt Ion:105 Resp: 372
 Ion Ratio Lower Upper
 105 100
 120 36.0 22.0 66.0



#95
 Naphthalene
 Concen: 8.058 ug/l
 RT: 15.38 min Scan# 2210
 Delta R.T. -0.00 min
 Lab File: VW007864.D
 Acq: 23 Dec 2018 00:31

Tgt Ion:128 Resp: 428
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.7 16.1#
 129 0.0 8.8 13.2#

