

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122218\
 Data File : VW007757.D
 Acq On : 20 Dec 2018 19:42
 Operator : SY/AP
 Sample : J6392-17
 Misc : 6.49G/5ML/MSVOA_W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB106-121218-(8-10)

Quant Time: Dec 21 04:42:21 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	79205	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	131863	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	115674	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	57017	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	43407	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
35) Dibromofluoromethane	7.88	113	36509	45.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.76%	
50) Toluene-d8	10.32	98	129690	42.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.54%	
62) 4-Bromofluorobenzene	12.62	95	52574	44.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.76%	

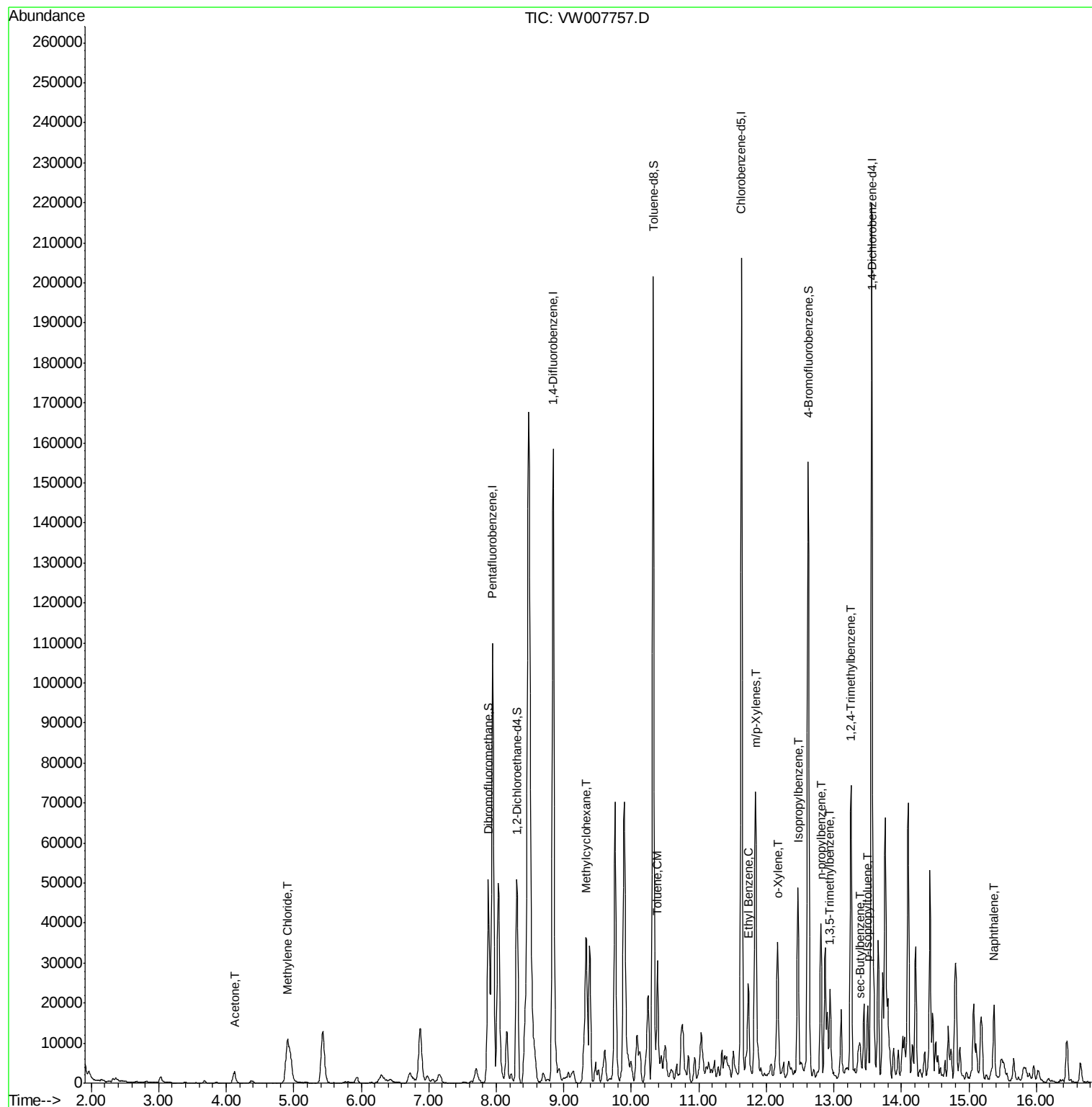
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	4805	29.558	ug/l	93
20) Methylene Chloride	4.91	84	7241	2.976	ug/l	92
39) Methylcyclohexane	9.33	83	7129	4.508	ug/l #	76
52) Toluene	10.38	92	13554	5.948	ug/l	97
67) Ethyl Benzene	11.73	91	13997	3.258	ug/l	97
68) m/p-Xylenes	11.83	106	22577	13.547	ug/l	97
69) o-Xylene	12.17	106	9171	5.870	ug/l	93
73) Isopropylbenzene	12.47	105	30347	7.041	ug/l	99
78) n-propylbenzene	12.81	91	29819	5.944	ug/l	97
80) 1,3,5-Trimethylbenzene	12.95	105	9912	2.666	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	41242	10.994	ug/l	99
85) sec-Butylbenzene	13.39	105	4727	1.052	ug/l #	64
86) p-Isopropyltoluene	13.51	119	9392	2.298	ug/l	98
95) Naphthalene	15.38	128	16139	7.162	ug/l	95

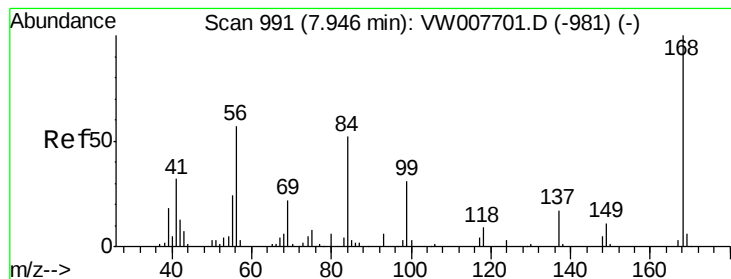
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW007757.D

Acq: 20 Dec 2018 19:42

Instrument :

MSVOA_W

ClientSampleId :

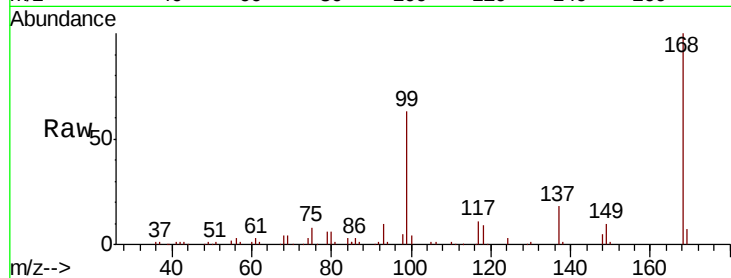
KY001SB106-121218-(8-10)

Tgt Ion:168 Resp: 79205

Ion Ratio Lower Upper

168 100

99 62.9 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

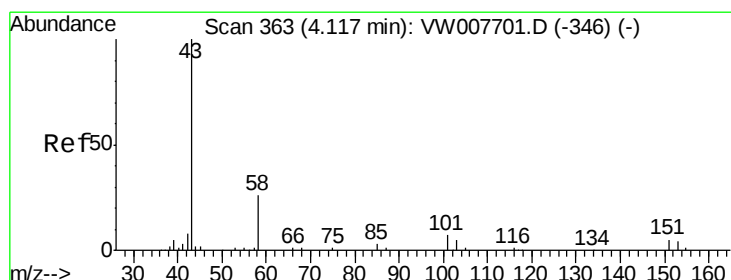
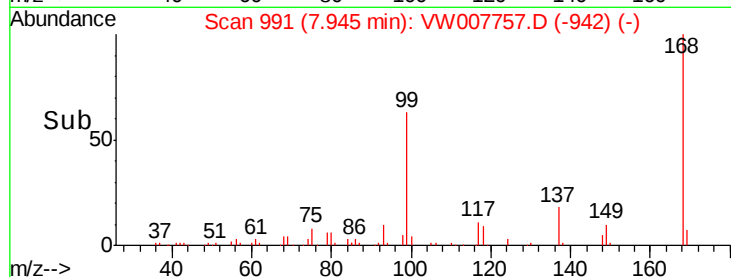
30000

20000

10000

0

Time-->



#16

Acetone

Concen: 29.558 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007757.D

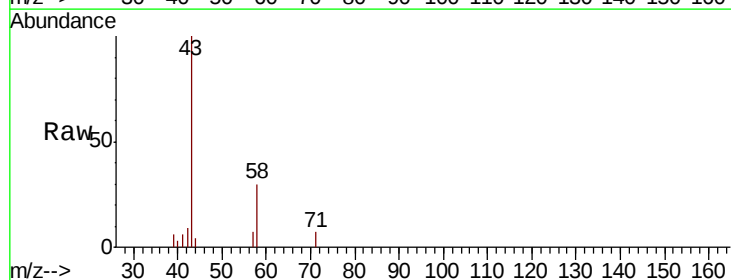
Acq: 20 Dec 2018 19:42

Tgt Ion: 43 Resp: 4805

Ion Ratio Lower Upper

43 100

58 29.9 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

2000

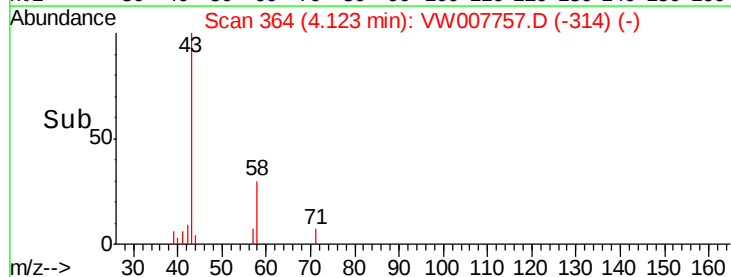
1500

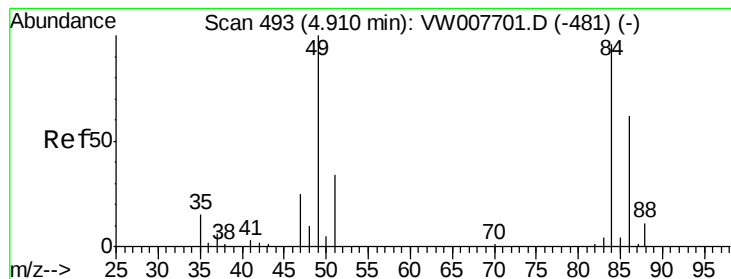
1000

500

0

Time-->





#20

Methylene Chloride

Concen: 2.976 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW007757.D

Acq: 20 Dec 2018 19:42

Instrument :

MSVOA_W

ClientSampleId :

KY001SB106-121218-(8-10)

Tgt Ion: 84 Resp: 7241

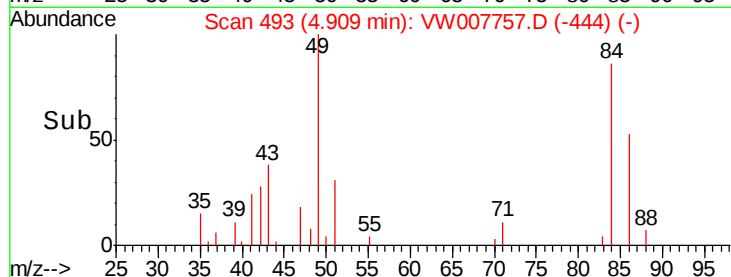
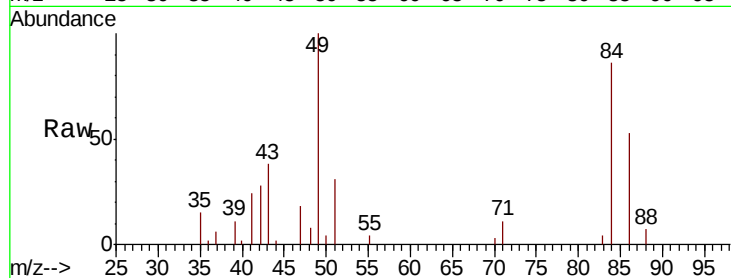
Ion Ratio Lower Upper

84 100

49 115.7 83.7 125.5

51 36.2 28.2 42.2

86 60.8 52.2 78.2

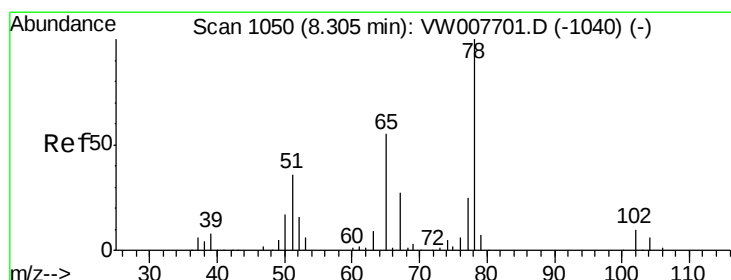
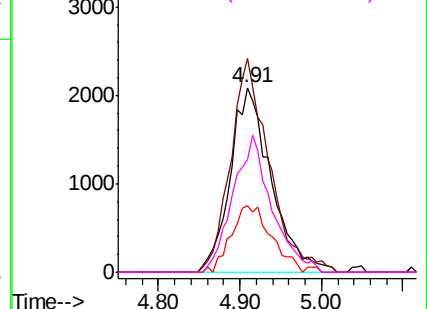


Abundance Ion 83.90 (83.60 to 84.60): VW

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



#33

1,2-Dichloroethane-d4

Concen: 50.001 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW007757.D

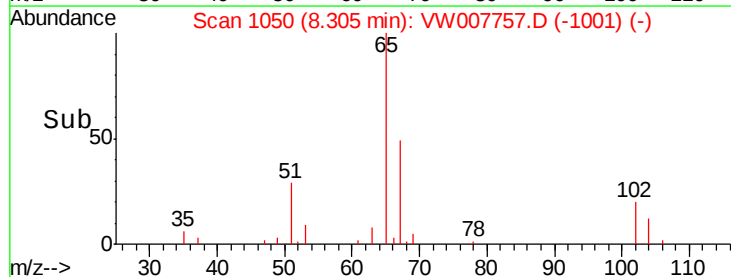
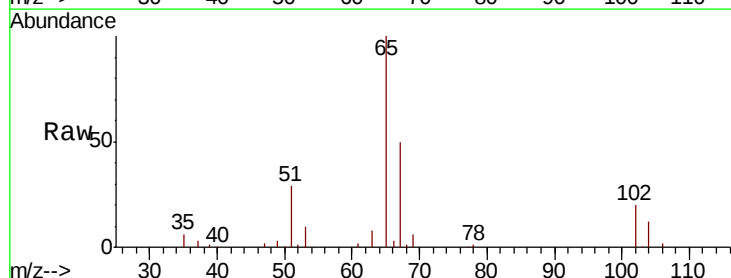
Acq: 20 Dec 2018 19:42

Tgt Ion: 65 Resp: 43407

Ion Ratio Lower Upper

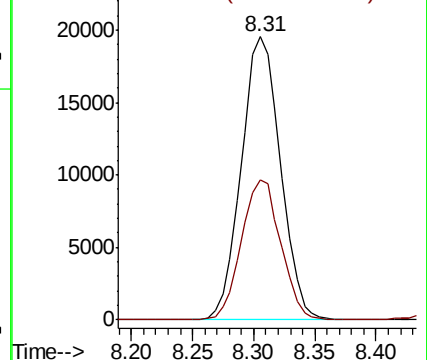
65 100

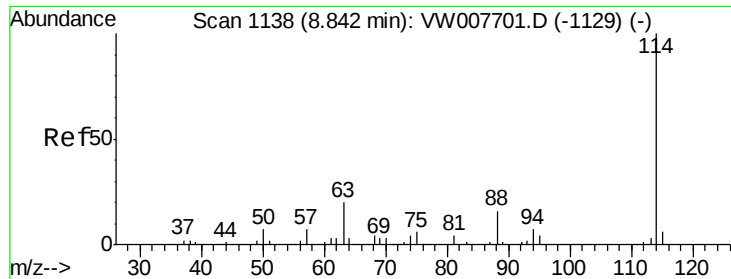
67 49.6 0.0 100.6



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

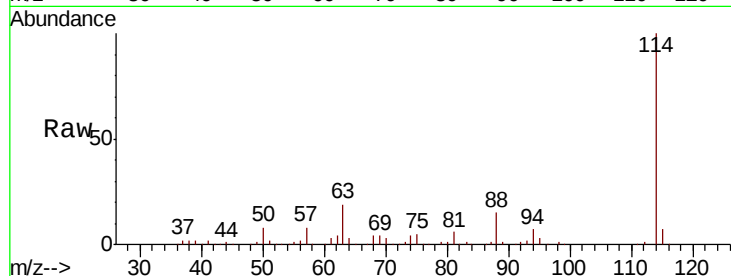




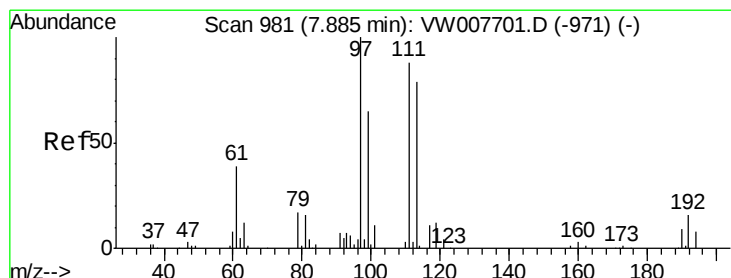
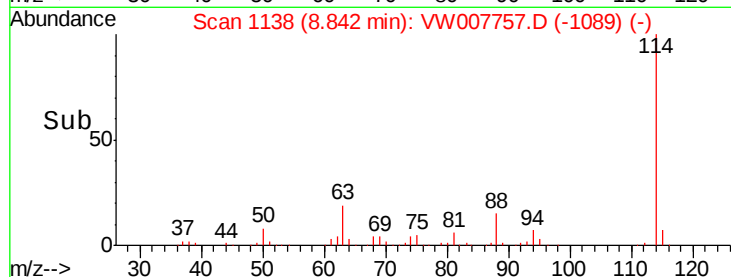
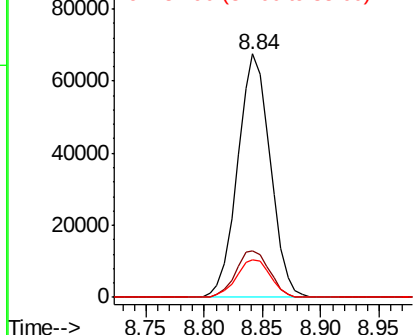
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007757.D
 Acq: 20 Dec 2018 19:42

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB106-121218-(8-10)

Tgt Ion:114 Resp: 131863
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 40.0
 88 15.4 0.0 32.6

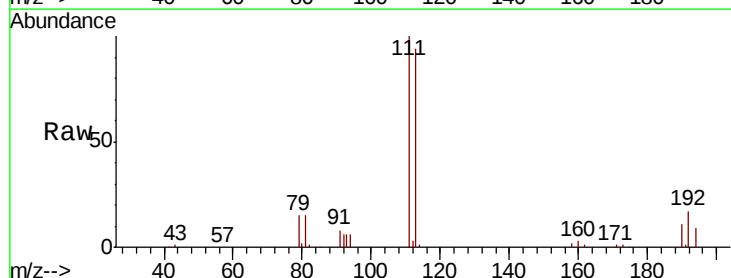


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

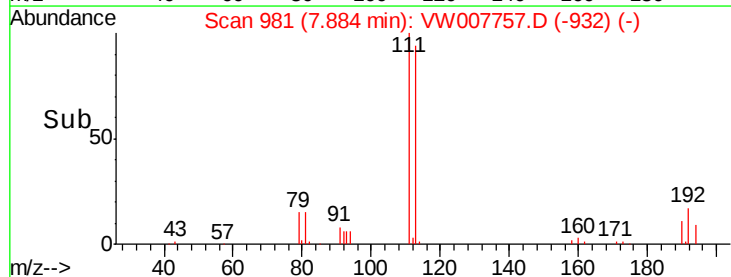
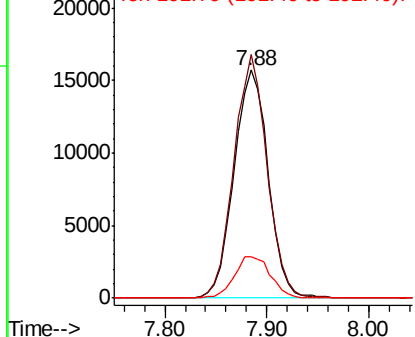


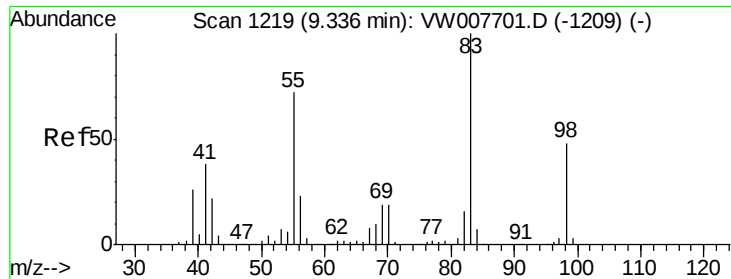
#35
 Dibromofluoromethane
 Concen: 45.385 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007757.D
 Acq: 20 Dec 2018 19:42

Tgt Ion:113 Resp: 36509
 Ion Ratio Lower Upper
 113 100
 111 103.7 82.6 124.0
 192 19.2 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

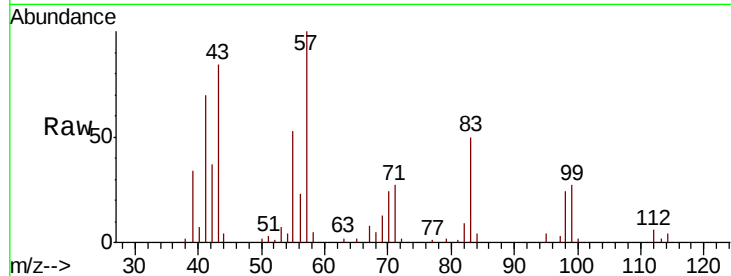




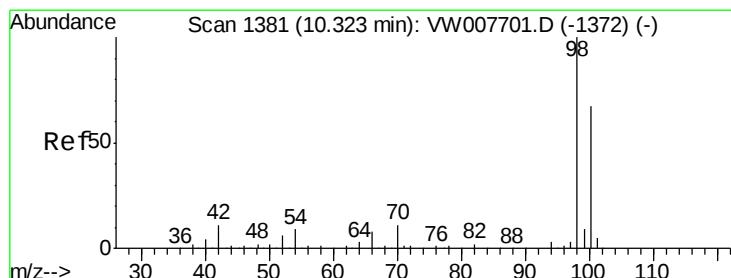
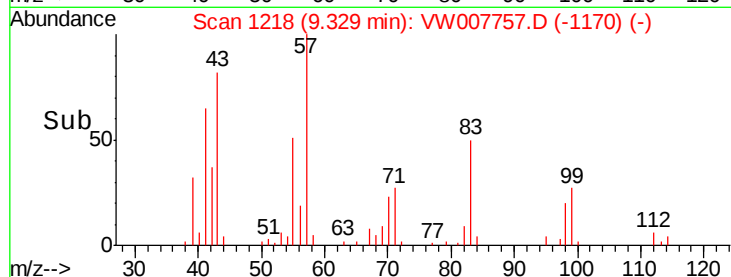
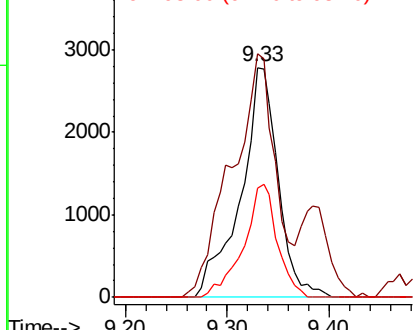
#39
Methylcyclohexane
Concen: 4.508 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW007757.D
Acq: 20 Dec 2018 19:42

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)

Tgt Ion: 83 Resp: 7129
Ion Ratio Lower Upper
83 100
55 103.9 57.2 85.8#
98 47.7 38.6 58.0

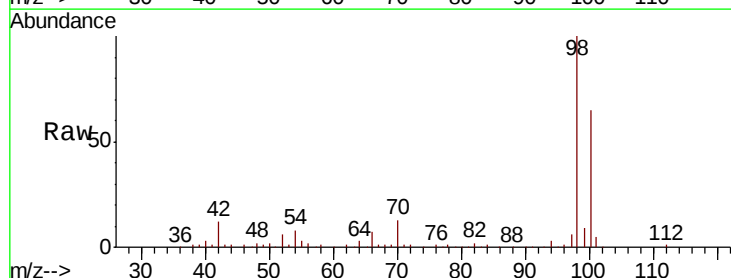


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

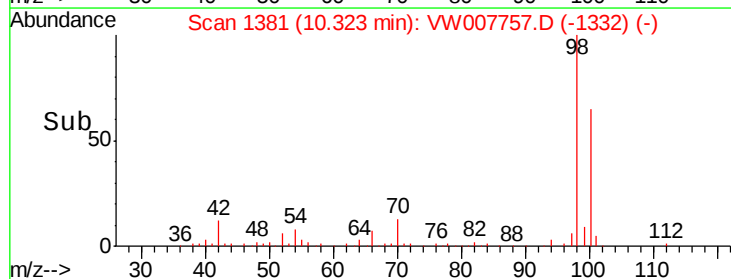
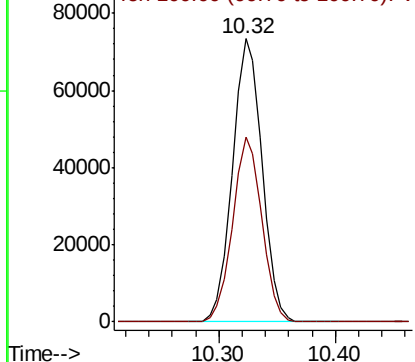


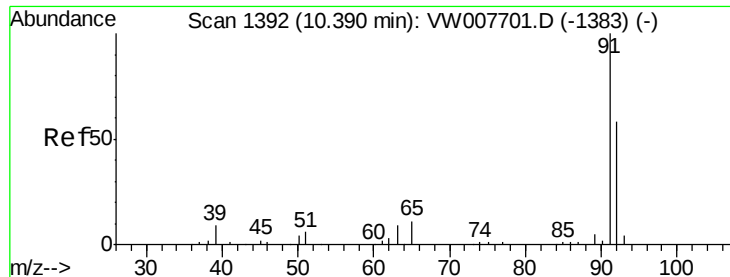
#50
Toluene-d8
Concen: 42.765 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007757.D
Acq: 20 Dec 2018 19:42

Tgt Ion: 98 Resp: 129690
Ion Ratio Lower Upper
98 100
100 64.6 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: 5.948 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW007757.D

Acq: 20 Dec 2018 19:42

Instrument :

MSVOA_W

ClientSampleId :

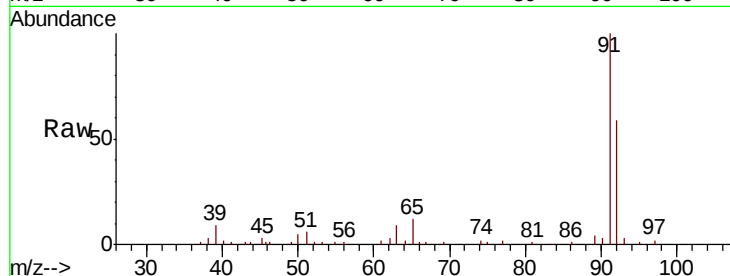
KY001SB106-121218-(8-10)

Tgt Ion: 92 Resp: 13554

Ion Ratio Lower Upper

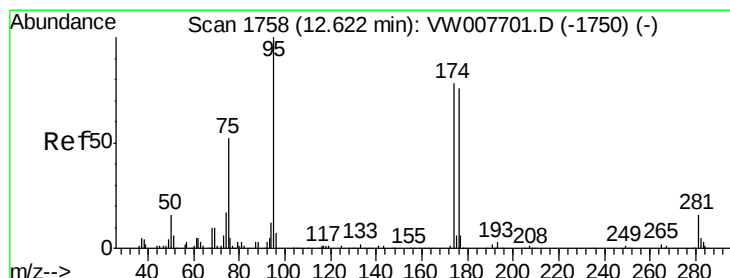
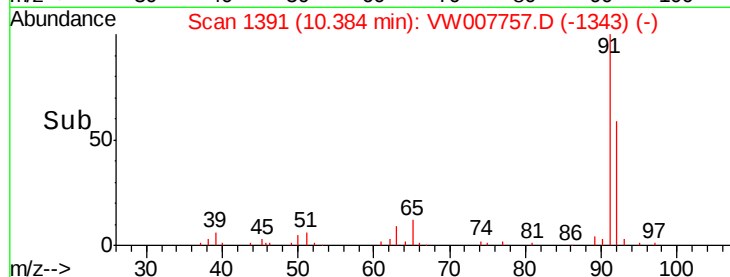
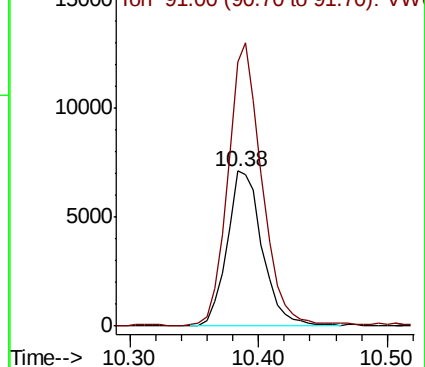
92 100

91 175.6 137.0 205.4



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW



#62

4-Bromofluorobenzene

Concen: 44.875 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007757.D

Acq: 20 Dec 2018 19:42

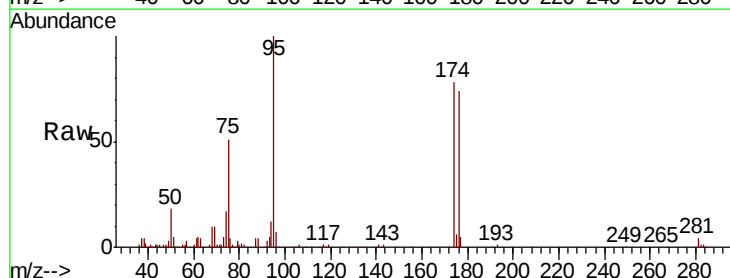
Tgt Ion: 95 Resp: 52574

Ion Ratio Lower Upper

95 100

174 75.3 0.0 152.2

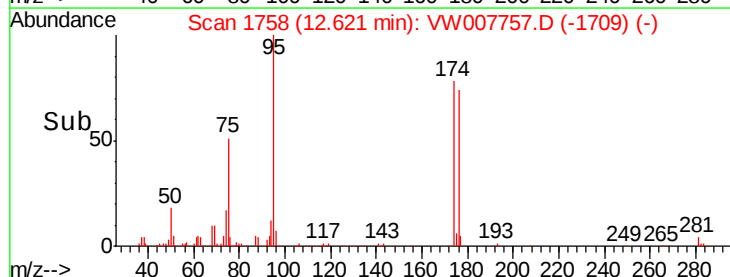
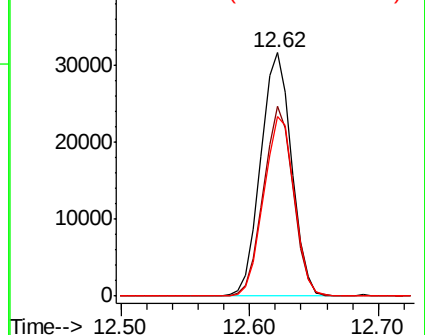
176 73.3 0.0 146.8

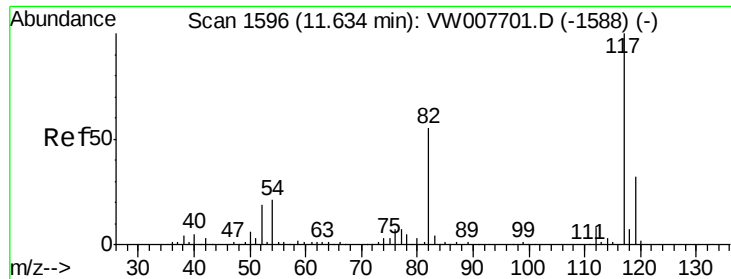


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

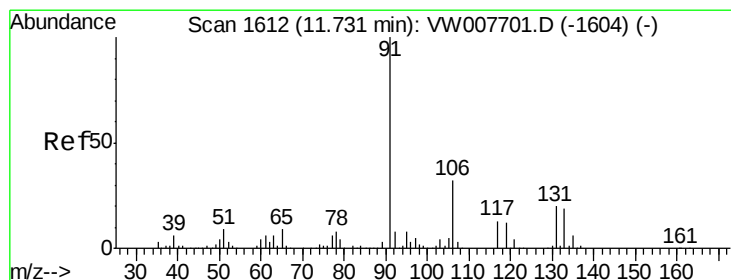
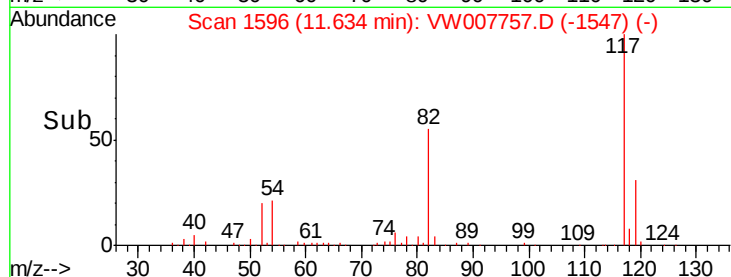
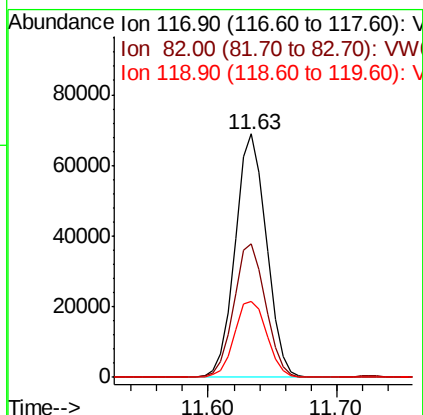
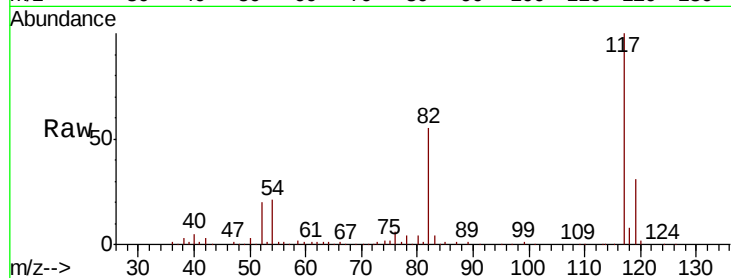




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007757.D
Acq: 20 Dec 2018 19:42

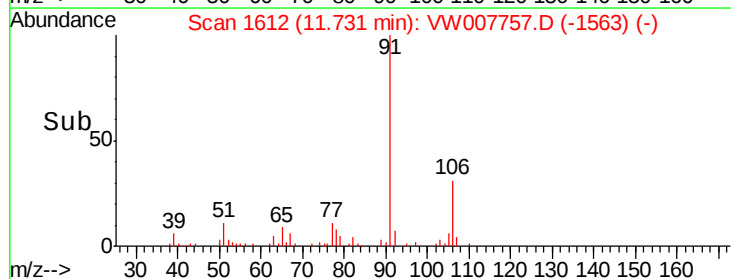
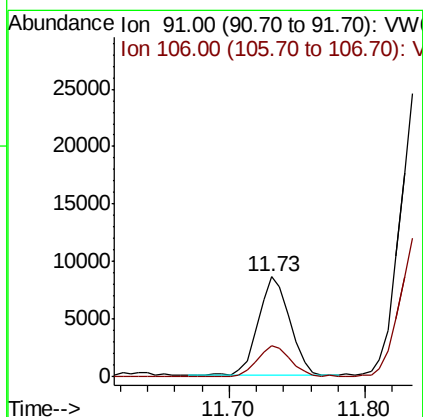
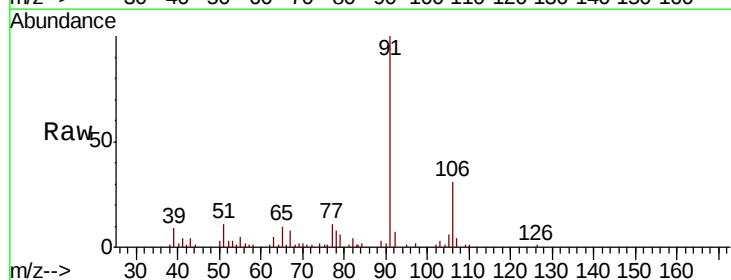
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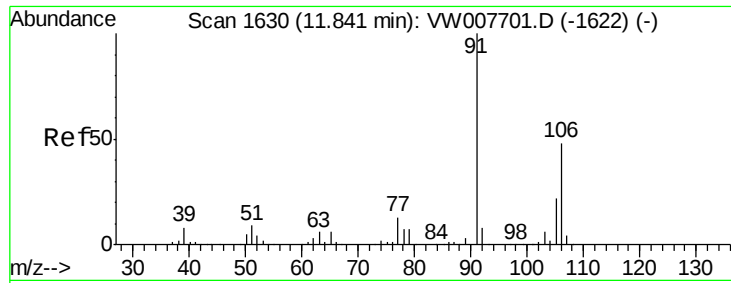
Tgt Ion: 117 Resp: 115674
Ion Ratio Lower Upper
117 100
82 54.6 44.3 66.5
119 31.4 25.7 38.5



#67
Ethyl Benzene
Concen: 3.258 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007757.D
Acq: 20 Dec 2018 19:42

Tgt Ion: 91 Resp: 13997
Ion Ratio Lower Upper
91 100
106 30.6 25.8 38.8

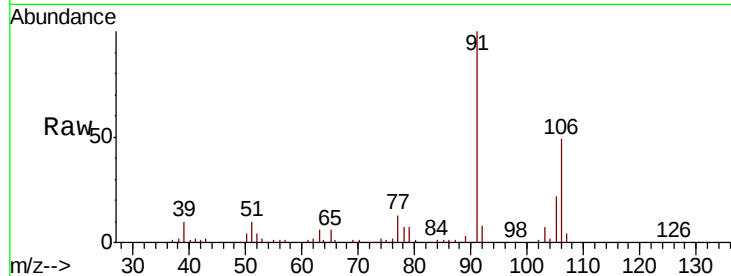




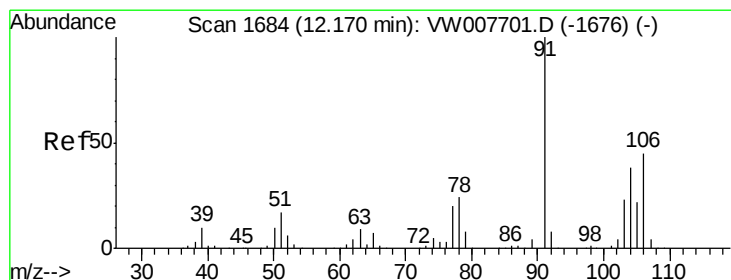
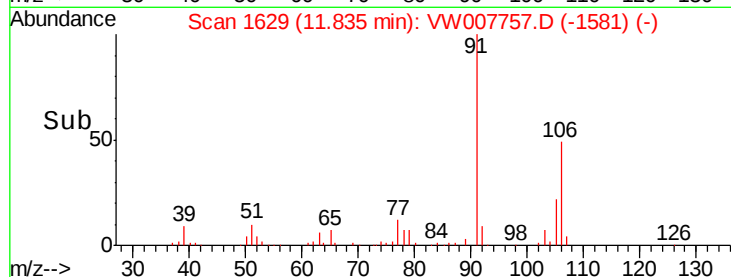
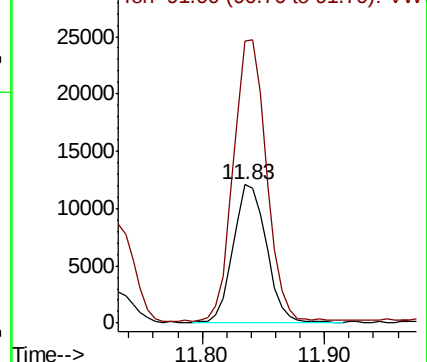
#68
m/p-Xylenes
Concen: 13.547 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW007757.D
Acq: 20 Dec 2018 19:42

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)

Tgt Ion:106 Resp: 22577
Ion Ratio Lower Upper
106 100
91 201.8 165.2 247.8

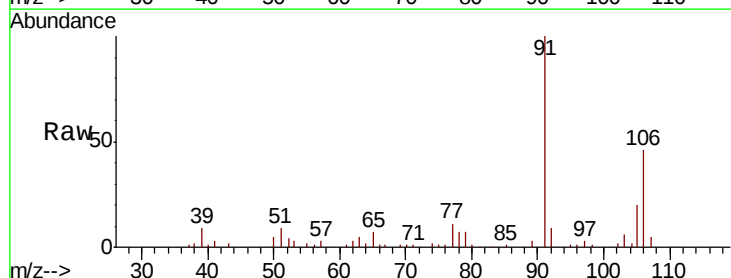


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

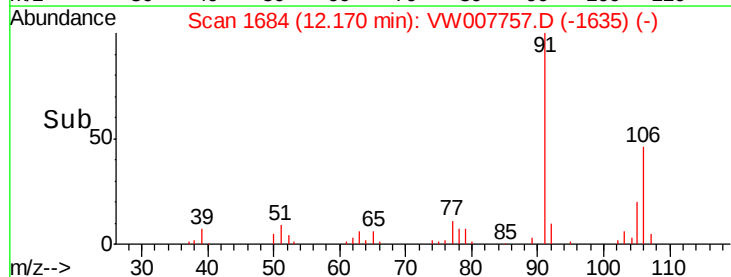
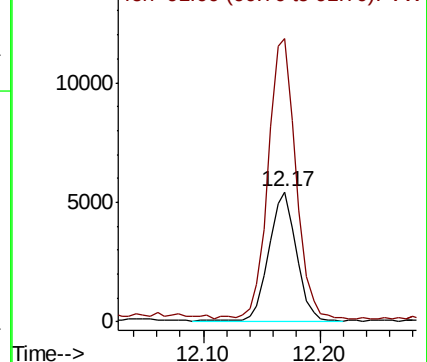


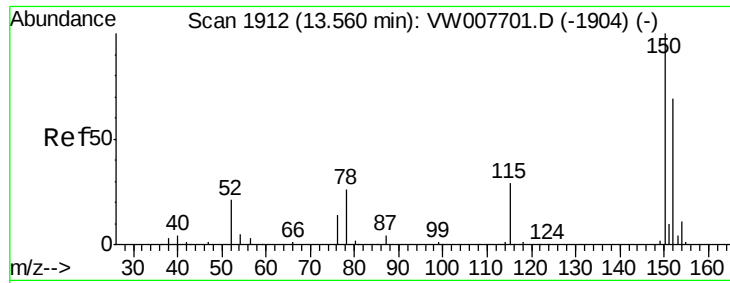
#69
o-Xylene
Concen: 5.870 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007757.D
Acq: 20 Dec 2018 19:42

Tgt Ion:106 Resp: 9171
Ion Ratio Lower Upper
106 100
91 209.6 110.5 331.4



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: VW007757.D

Acq: 20 Dec 2018 19:42

Instrument :

MSVOA_W

ClientSampleId :

KY001SB106-121218-(8-10)

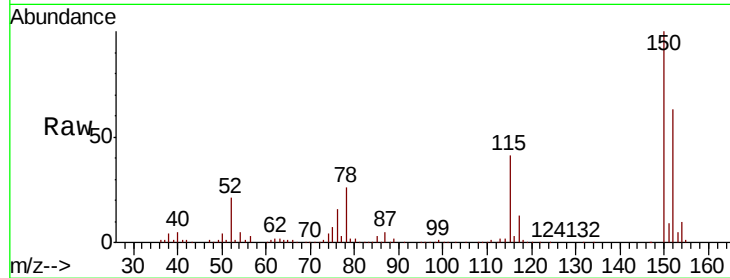
Tgt Ion:152 Resp: 57017

Ion Ratio Lower Upper

152 100

115 64.0 31.8 95.4

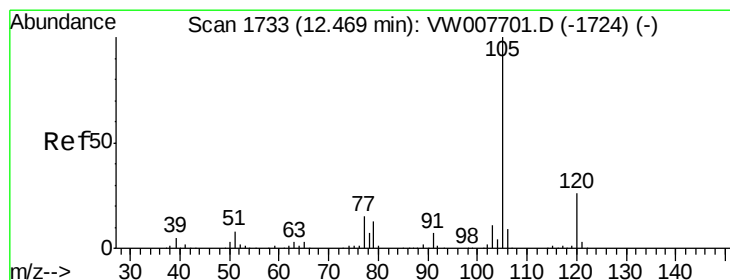
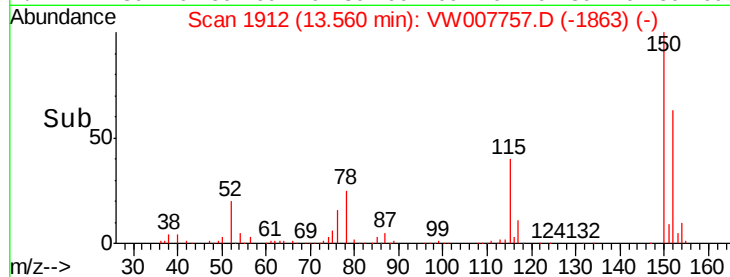
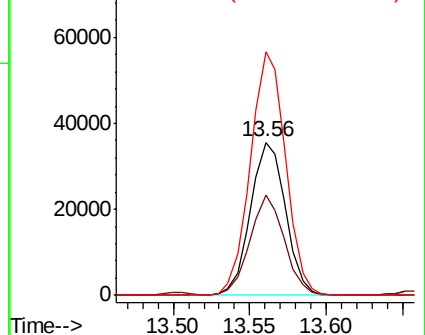
150 158.6 0.0 350.8



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



#73

Isopropylbenzene

Concen: 7.041 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007757.D

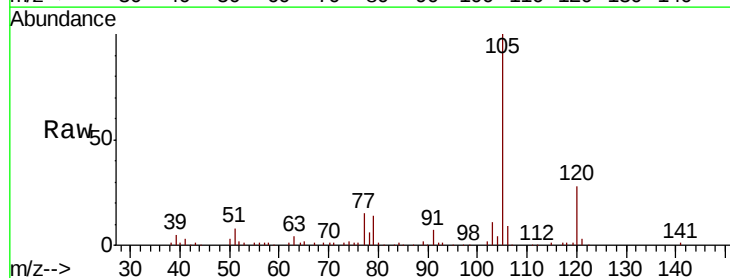
Acq: 20 Dec 2018 19:42

Tgt Ion:105 Resp: 30347

Ion Ratio Lower Upper

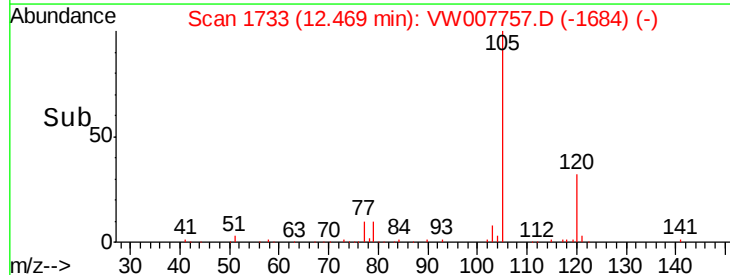
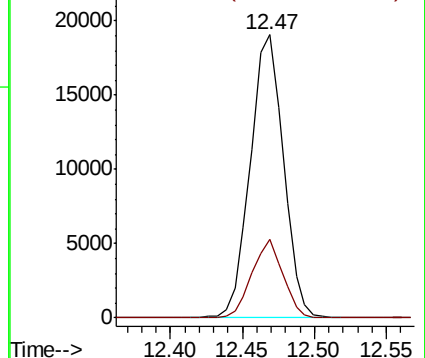
105 100

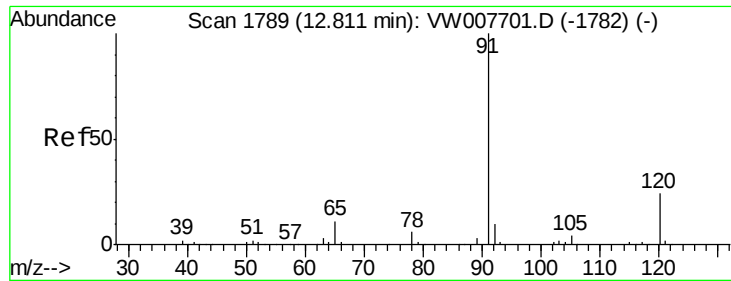
120 25.8 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

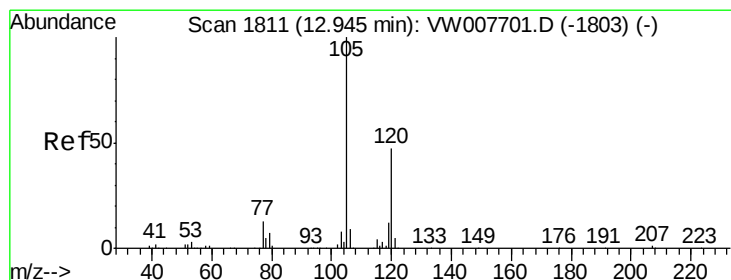
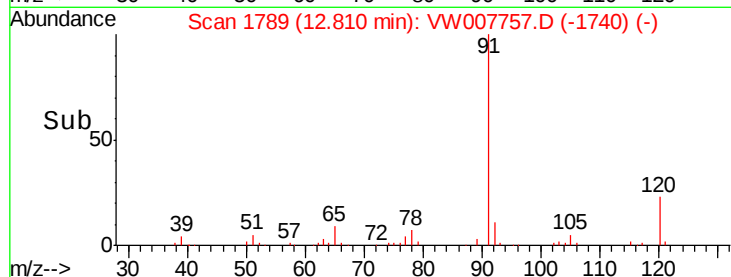
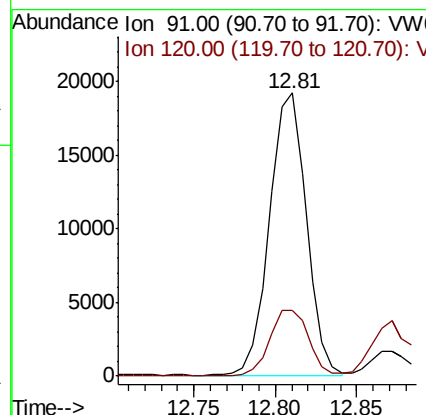
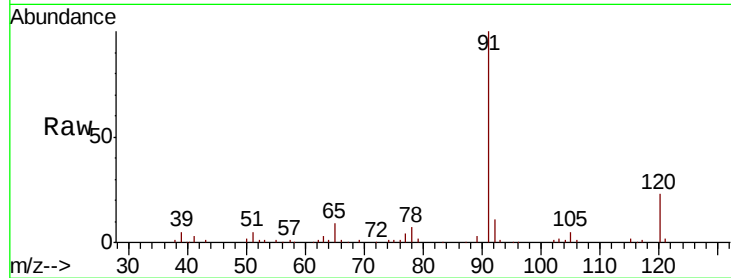




#78
 n-propylbenzene
 Concen: 5.944 ug/l
 RT: 12.81 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VW007757.D
 Acq: 20 Dec 2018 19:42

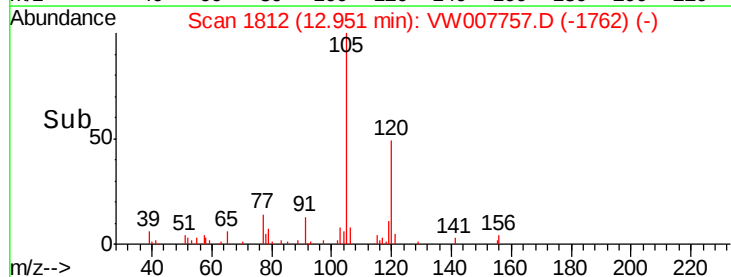
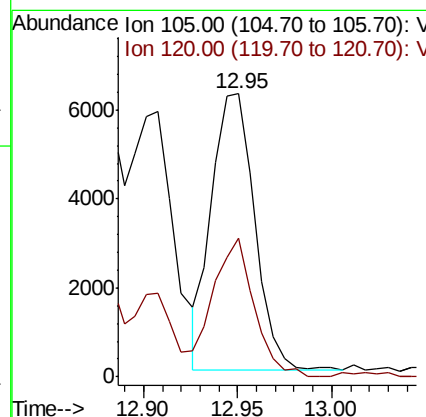
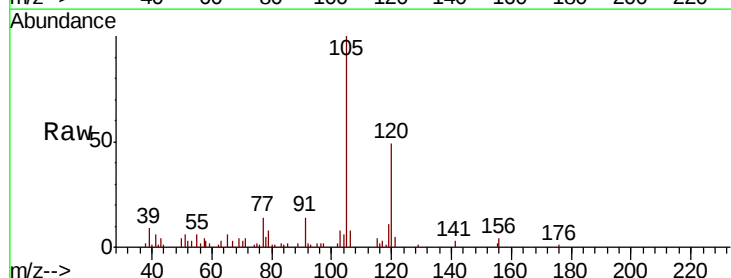
Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB106-121218-(8-10)

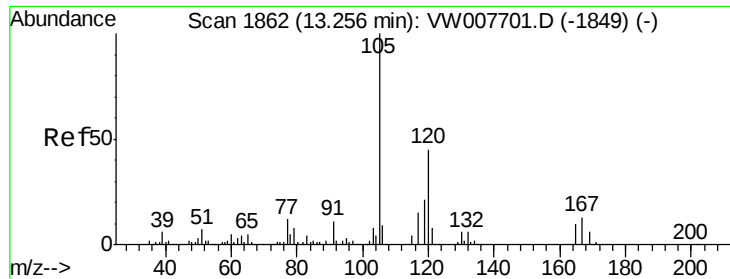
Tgt Ion: 91 Resp: 29819
 Ion Ratio Lower Upper
 91 100
 120 25.3 11.9 35.7



#80
 1,3,5-Trimethylbenzene
 Concen: 2.666 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. 0.01 min
 Lab File: VW007757.D
 Acq: 20 Dec 2018 19:42

Tgt Ion: 105 Resp: 9912
 Ion Ratio Lower Upper
 105 100
 120 49.4 23.6 70.8

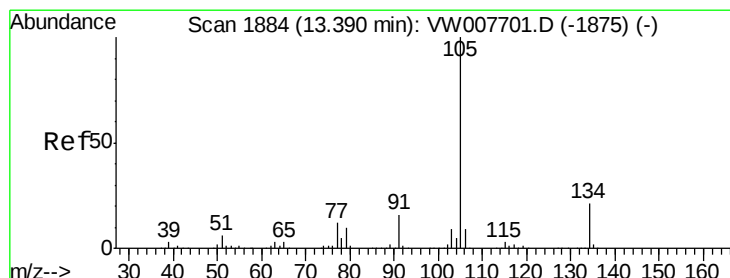
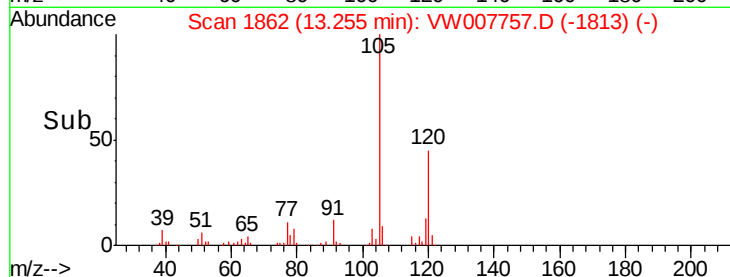
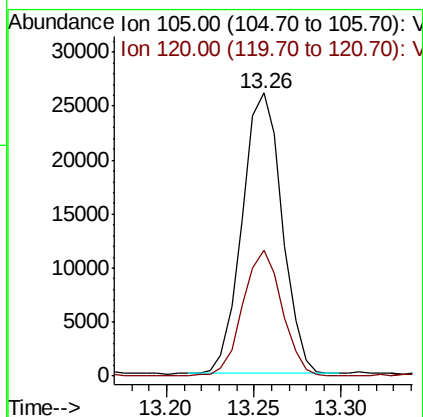
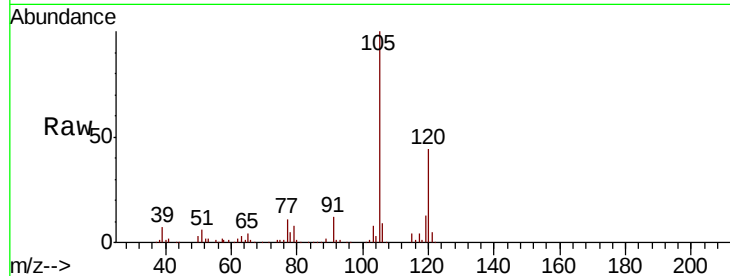




#84
1,2,4-Trimethylbenzene
Concen: 10.994 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007757.D
Acq: 20 Dec 2018 19:42

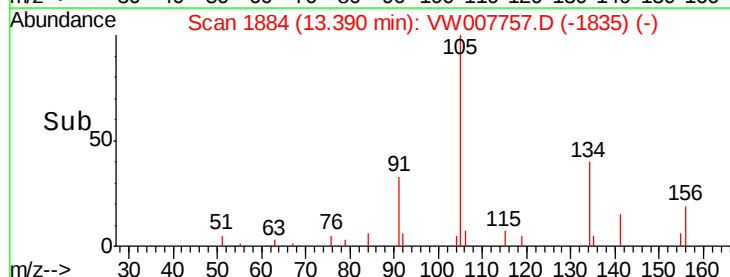
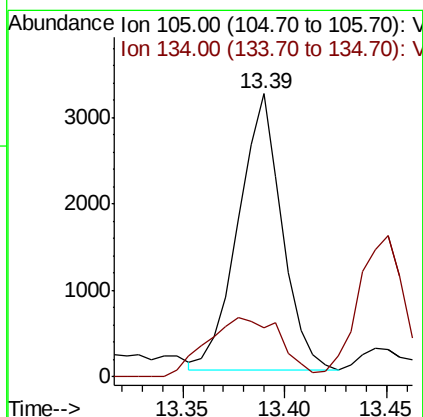
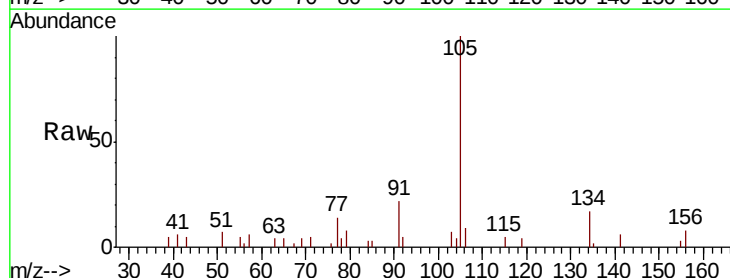
Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)

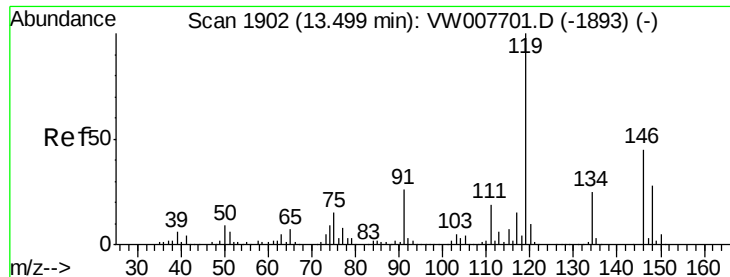
Tgt Ion:105 Resp: 41242
Ion Ratio Lower Upper
105 100
120 43.0 22.0 66.0



#85
sec-Butylbenzene
Concen: 1.052 ug/l
RT: 13.39 min Scan# 1884
Delta R.T. -0.00 min
Lab File: VW007757.D
Acq: 20 Dec 2018 19:42

Tgt Ion:105 Resp: 4727
Ion Ratio Lower Upper
105 100
134 36.7 10.2 30.4#

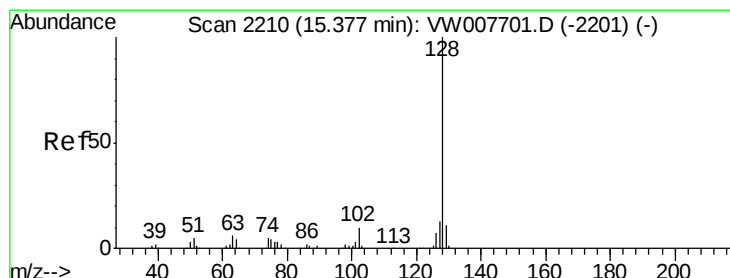
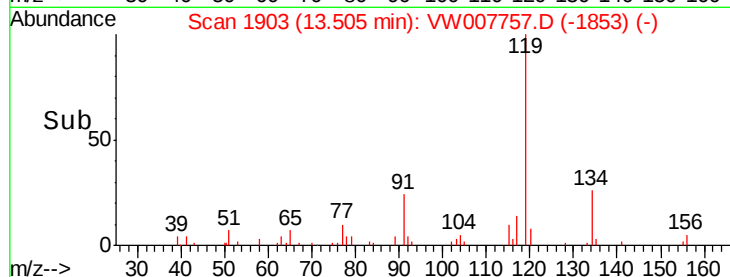
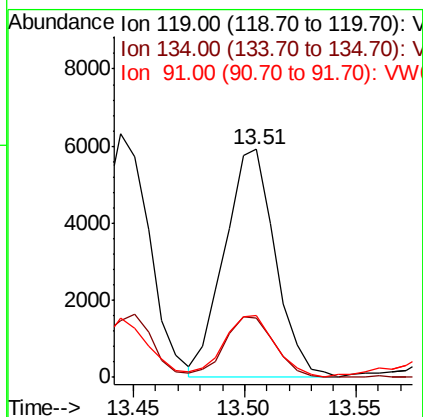
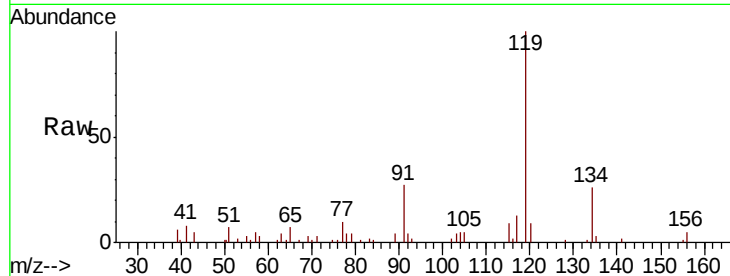




#86
p-Isopropyltoluene
Concen: 2.298 ug/l
RT: 13.51 min Scan# 1903
Delta R.T. 0.01 min
Lab File: VW007757.D
Acq: 20 Dec 2018 19:42

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)

Tgt Ion:119 Resp: 9392
Ion Ratio Lower Upper
119 100
134 26.1 13.0 39.0
91 27.4 12.8 38.4



#95
Naphthalene
Concen: 7.162 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW007757.D
Acq: 20 Dec 2018 19:42

Tgt Ion:128 Resp: 16139
Ion Ratio Lower Upper
128 100
127 15.0 10.7 16.1
129 13.1 8.8 13.2

