

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122218\
 Data File : VW007754.D
 Acq On : 20 Dec 2018 18:24
 Operator : SY/AP
 Sample : J6392-14
 Misc : 5.87G/5ML/MSVOA_W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB105-121218-(16-18)

Quant Time: Dec 21 04:33:01 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	89804	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	146883	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	129336	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	64096	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	79420	80.69	ug/l	0.00
Spiked Amount			Recovery	=	161.38%	
35) Dibromofluoromethane	7.88	113	71964	80.31	ug/l	0.00
Spiked Amount			Recovery	=	160.62%	
50) Toluene-d8	10.32	98	259022	76.68	ug/l	0.00
Spiked Amount			Recovery	=	153.36%	
62) 4-Bromofluorobenzene	12.62	95	104681	80.22	ug/l	0.00
Spiked Amount			Recovery	=	160.44%	

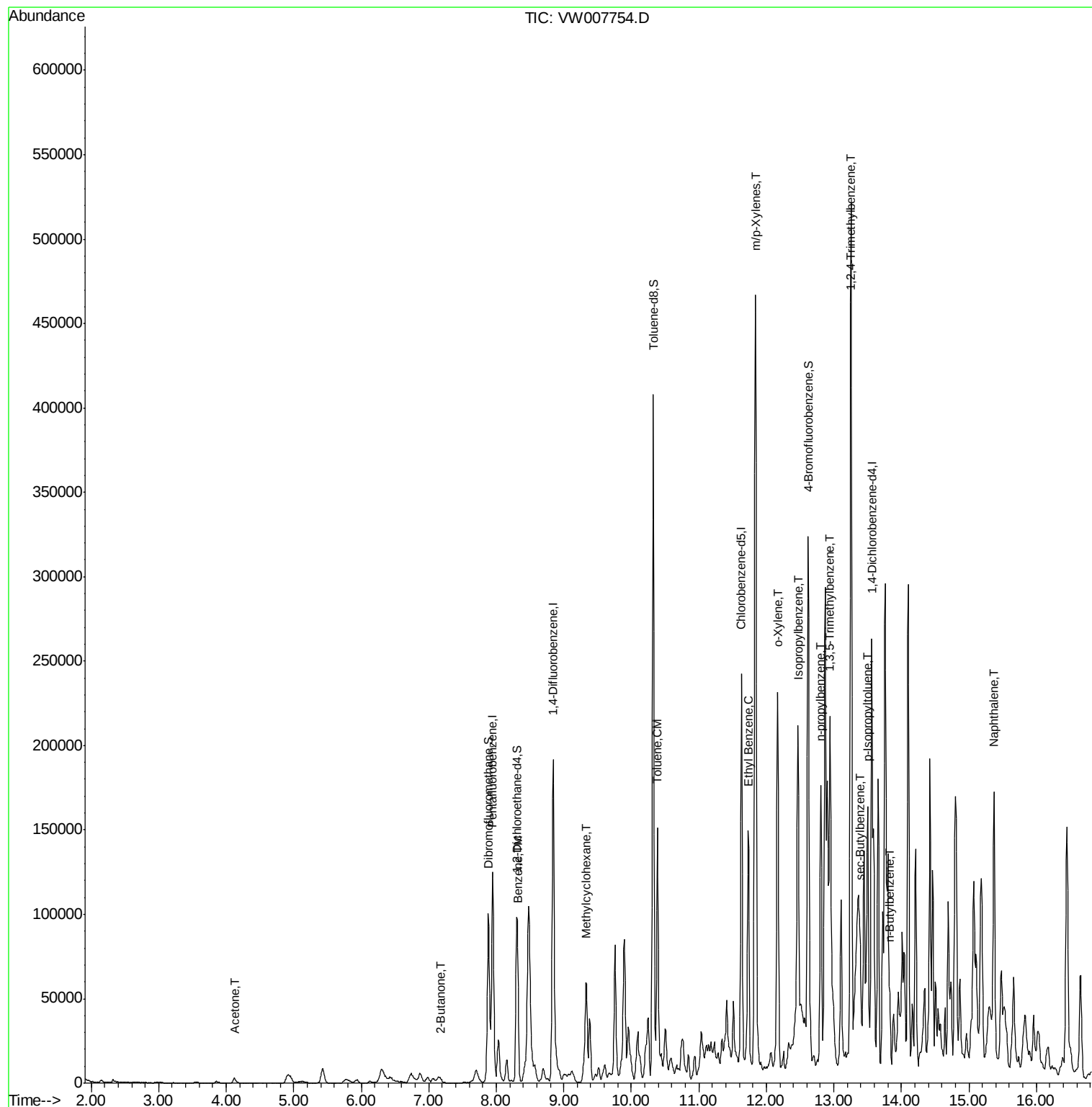
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.13	43	5845	31.711	ug/l	94
25) 2-Butanone	7.18	43	2990	13.850	ug/l #	86
39) Methylcyclohexane	9.34	83	16998	9.649	ug/l	94
40) Benzene	8.32	78	12587	3.327	ug/l	99
52) Toluene	10.39	92	63571	25.046	ug/l	100
67) Ethyl Benzene	11.73	91	93296	19.422	ug/l	96
68) m/p-Xylenes	11.84	106	141019	75.677	ug/l	98
69) o-Xylene	12.17	106	60574	34.678	ug/l	100
73) Isopropylbenzene	12.47	105	113792	23.487	ug/l	100
78) n-propylbenzene	12.80	91	127981	22.692	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	70057	16.764	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	280556	66.530	ug/l	99
85) sec-Butylbenzene	13.39	105	17349	3.433	ug/l #	55
86) p-Isopropyltoluene	13.51	119	62357	13.570	ug/l	98
89) n-Butylbenzene	13.83	91	23427	5.560	ug/l #	81
95) Naphthalene	15.38	128	126346	49.877	ug/l	100

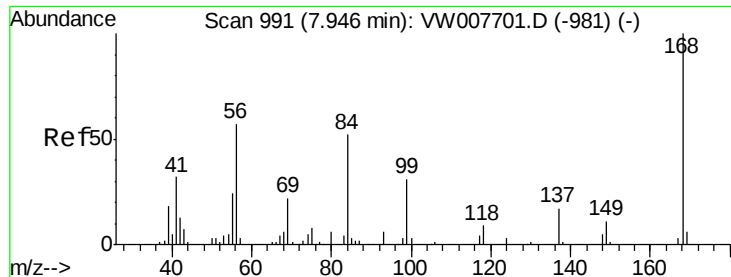
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW007754.D

Acq: 20 Dec 2018 18:24

Instrument :

MSVOA_W

ClientSampleId :

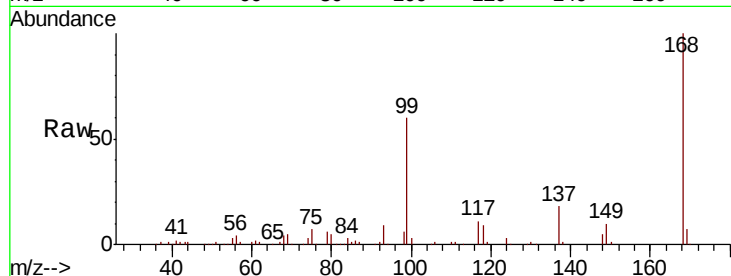
KY001SB105-121218-(16-18)

Tgt Ion:168 Resp: 89804

Ion Ratio Lower Upper

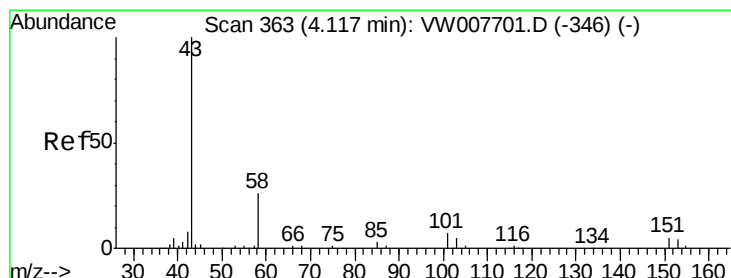
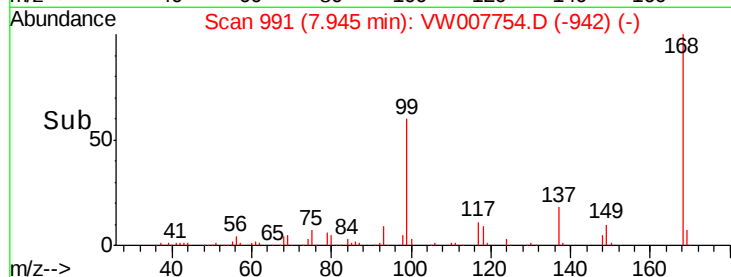
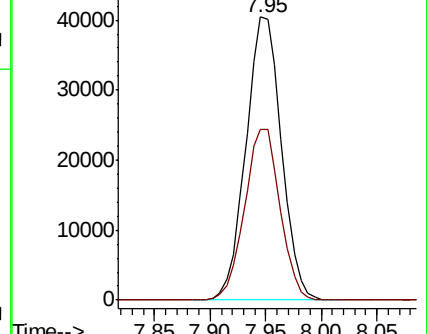
168 100

99 60.1 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: 31.711 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW007754.D

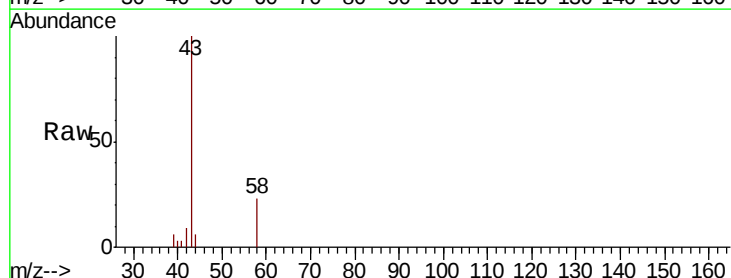
Acq: 20 Dec 2018 18:24

Tgt Ion: 43 Resp: 5845

Ion Ratio Lower Upper

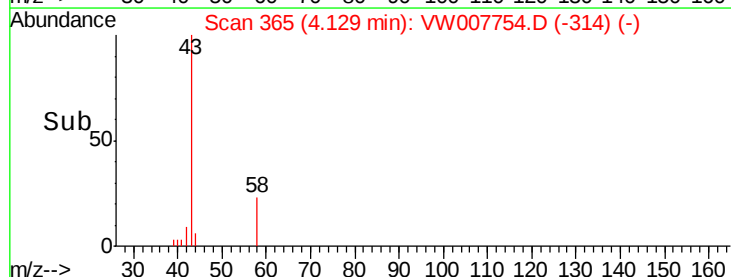
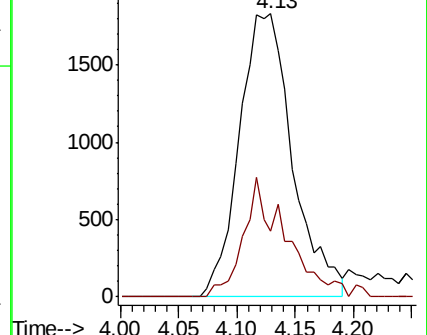
43 100

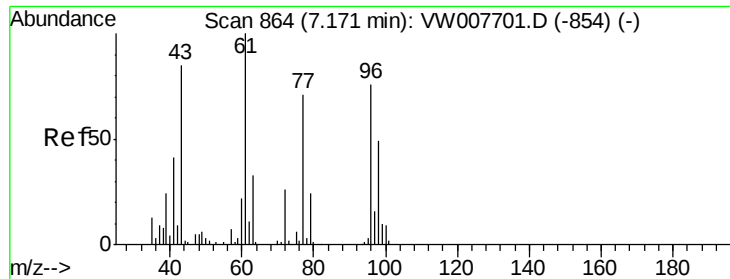
58 23.4 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#25

2-Butanone

Concen: 13.850 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW007754.D

Acq: 20 Dec 2018 18:24

Instrument :

MSVOA_W

ClientSampleId :

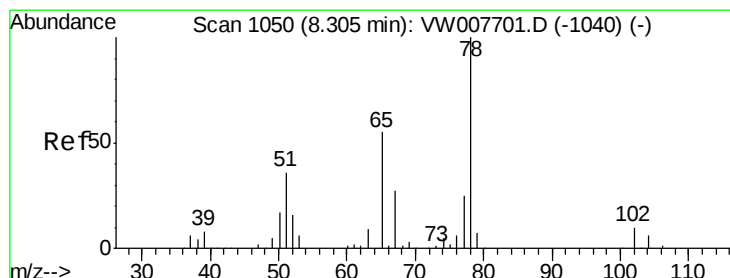
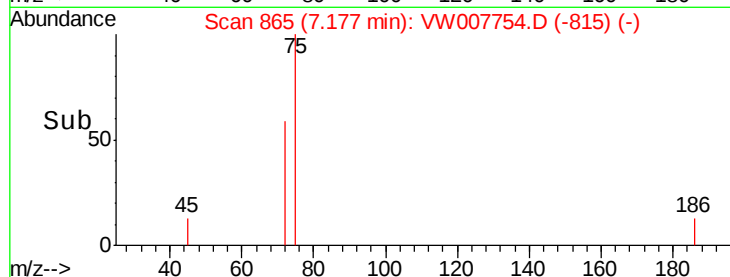
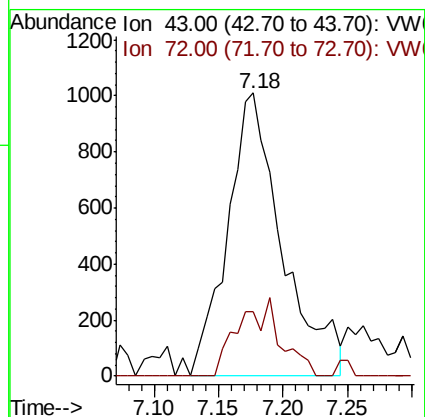
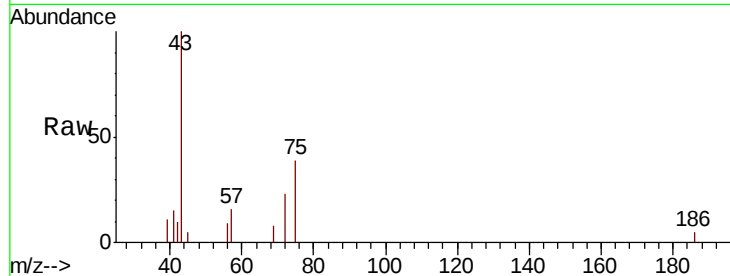
KY001SB105-121218-(16-18)

Tgt Ion: 43 Resp: 2990

Ion Ratio Lower Upper

43 100

72 23.0 24.5 36.7#



#33

1,2-Dichloroethane-d4

Concen: 80.687 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW007754.D

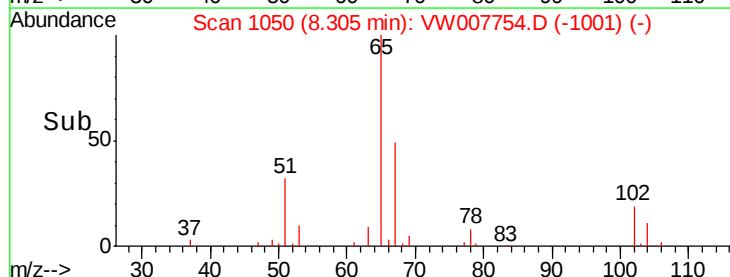
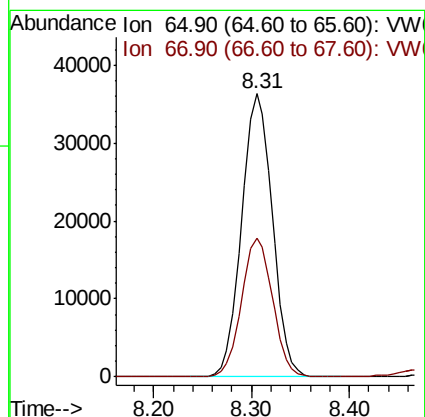
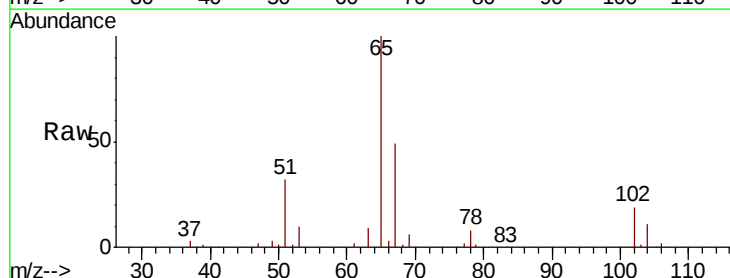
Acq: 20 Dec 2018 18:24

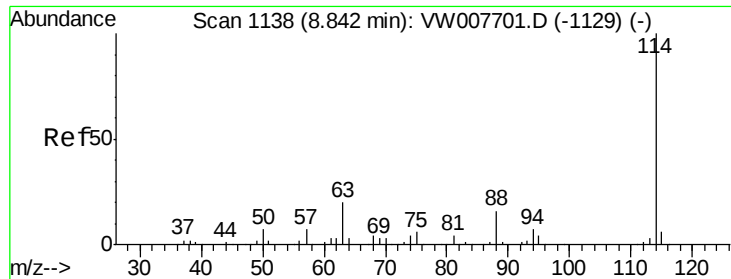
Tgt Ion: 65 Resp: 79420

Ion Ratio Lower Upper

65 100

67 49.5 0.0 100.6

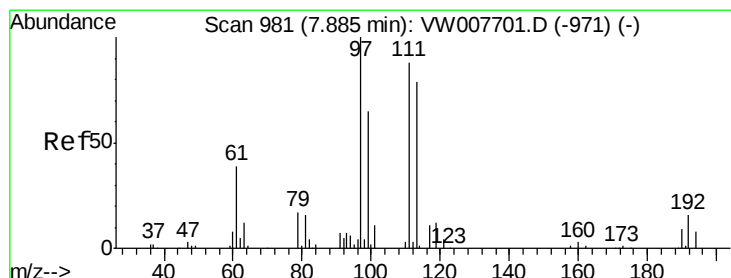
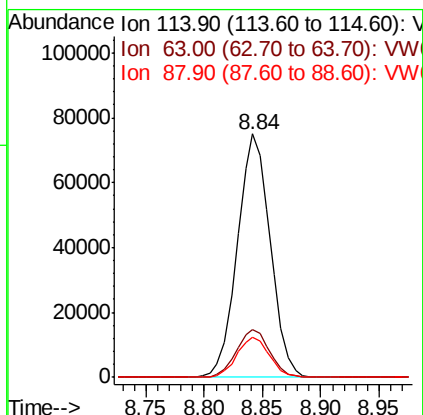
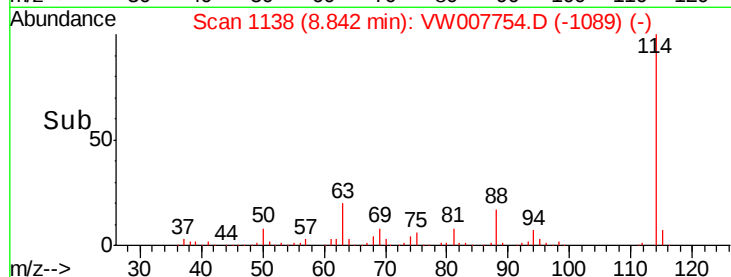
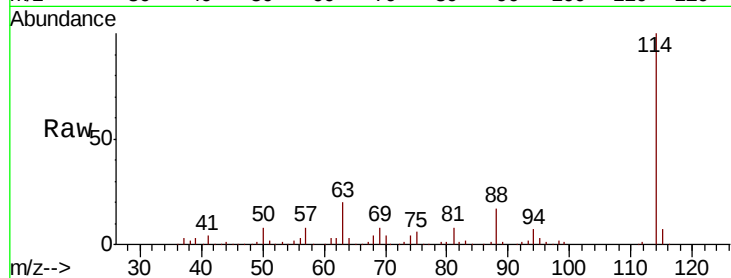




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007754.D
 Acq: 20 Dec 2018 18:24

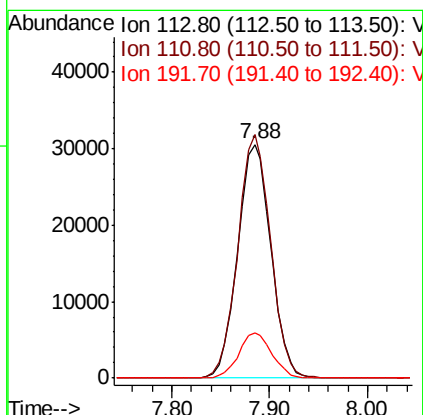
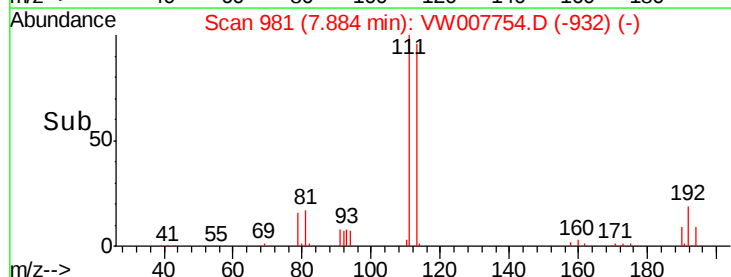
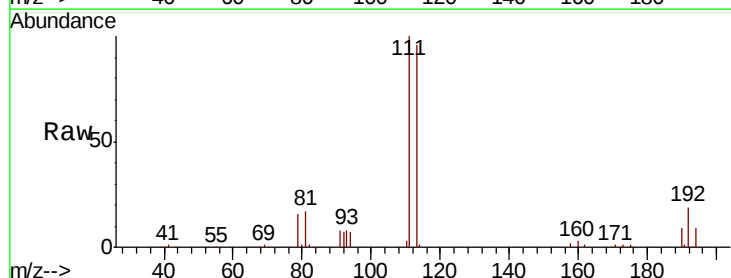
Instrument :
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 KY001SB105-121218-(16-18)

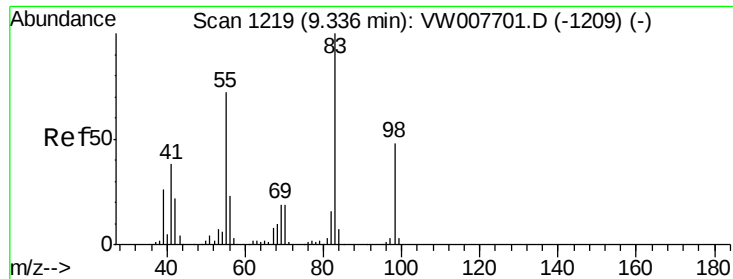
Tgt Ion:114 Resp: 146883
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 40.0
 88 16.7 0.0 32.6



#35
 Dibromofluoromethane
 Concen: 80.312 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007754.D
 Acq: 20 Dec 2018 18:24

Tgt Ion:113 Resp: 71964
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.6 124.0
 192 19.1 15.5 23.3

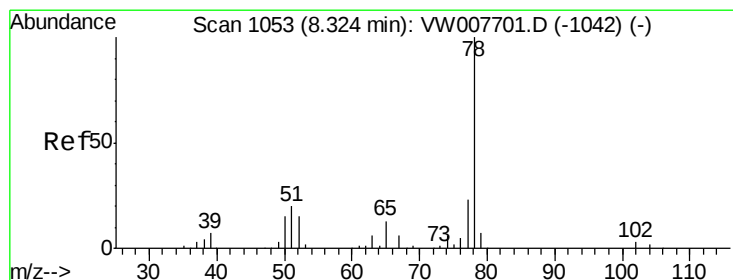
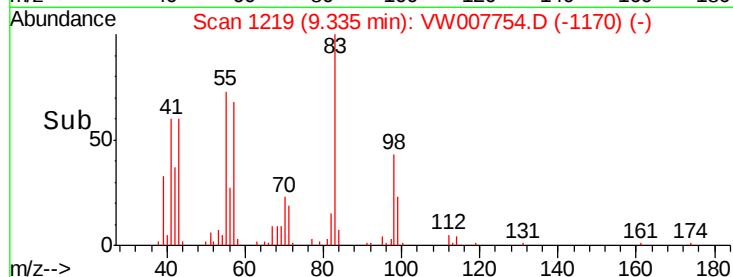
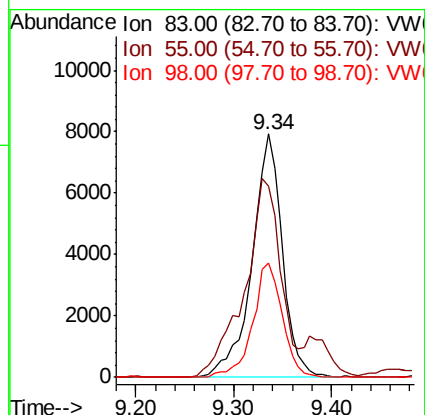
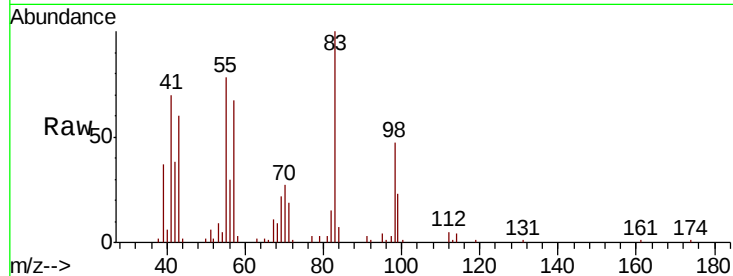




#39
Methylcyclohexane
Concen: 9.649 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007754.D
Acq: 20 Dec 2018 18:24

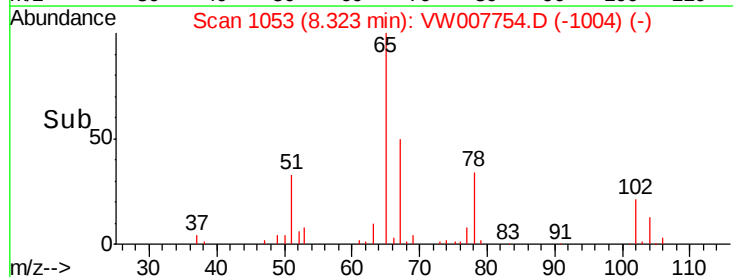
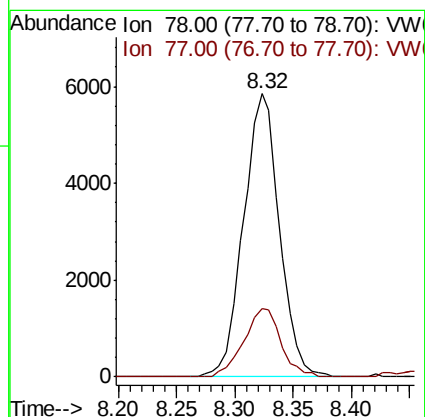
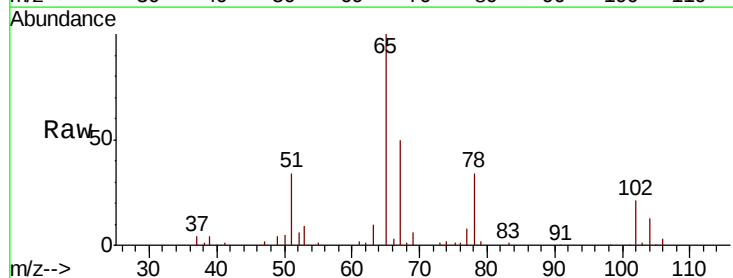
Instrument :
MSVOA_W
ClientSampleId :
KY001SB105-121218-(16-18)

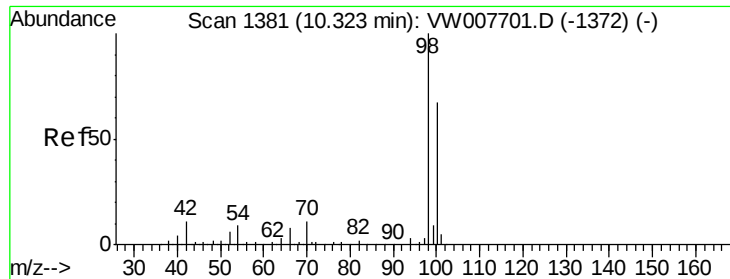
Tgt Ion: 83 Resp: 16998
Ion Ratio Lower Upper
83 100
55 78.4 57.2 85.8
98 46.8 38.6 58.0



#40
Benzene
Concen: 3.327 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007754.D
Acq: 20 Dec 2018 18:24

Tgt Ion: 78 Resp: 12587
Ion Ratio Lower Upper
78 100
77 24.1 18.7 28.1





#50

Toluene-d8

Concen: 76.679 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007754.D

Acq: 20 Dec 2018 18:24

Instrument :

MSVOA_W

ClientSampleId :

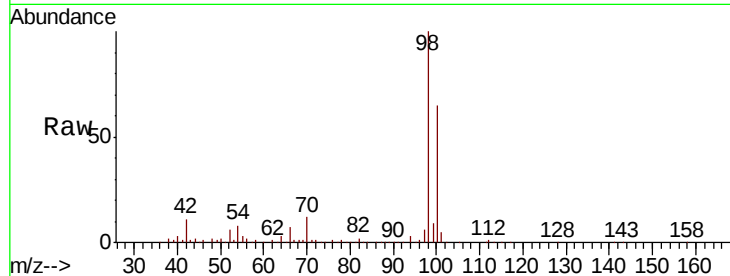
KY001SB105-121218-(16-18)

Tgt Ion: 98 Resp: 259022

Ion Ratio Lower Upper

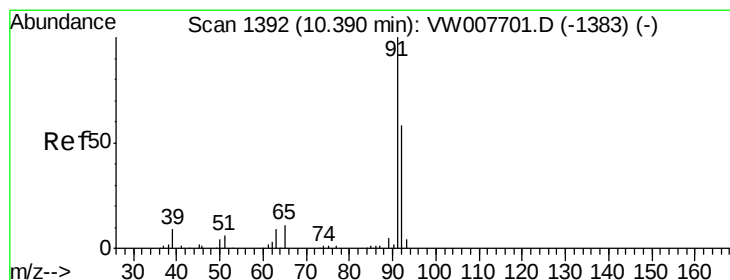
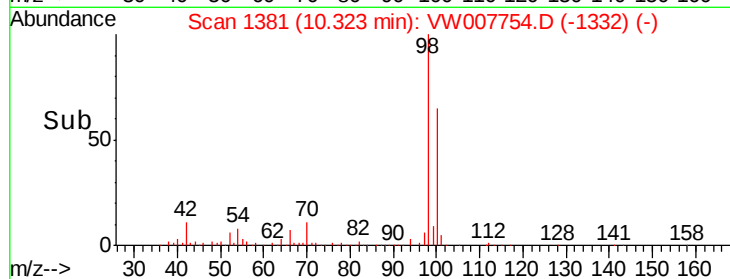
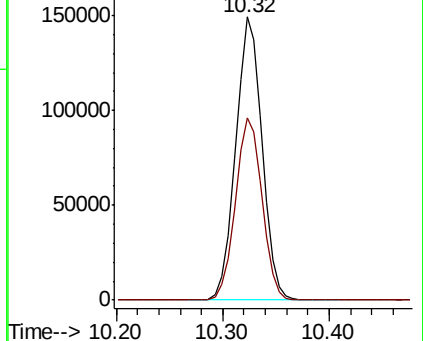
98 100

100 65.1 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: 25.046 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007754.D

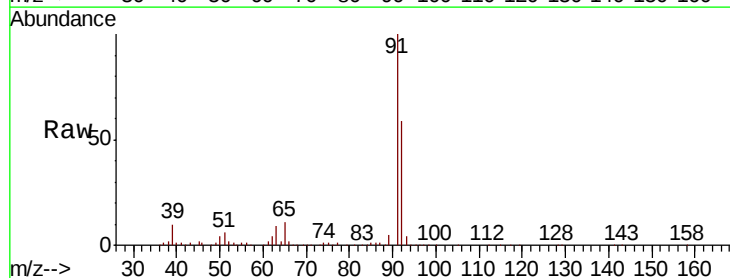
Acq: 20 Dec 2018 18:24

Tgt Ion: 92 Resp: 63571

Ion Ratio Lower Upper

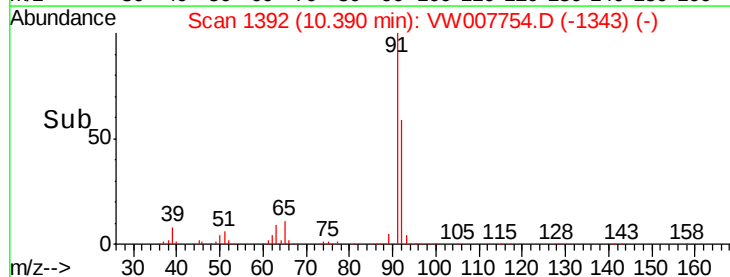
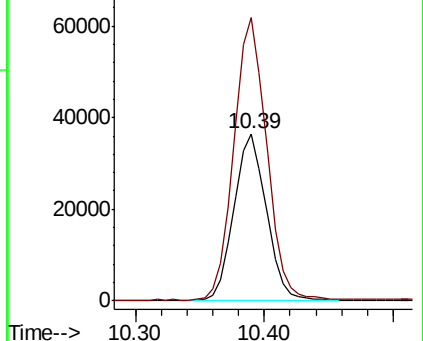
92 100

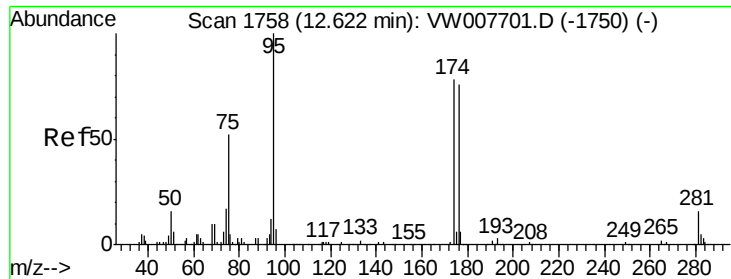
91 170.6 137.0 205.4



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

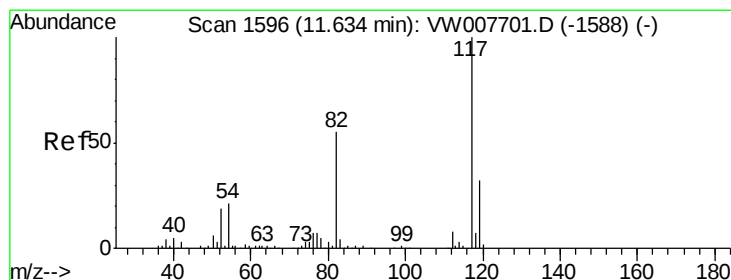
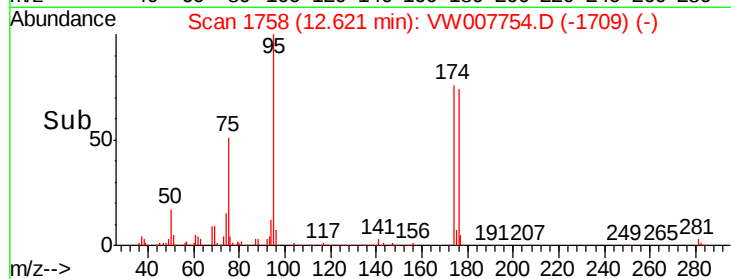
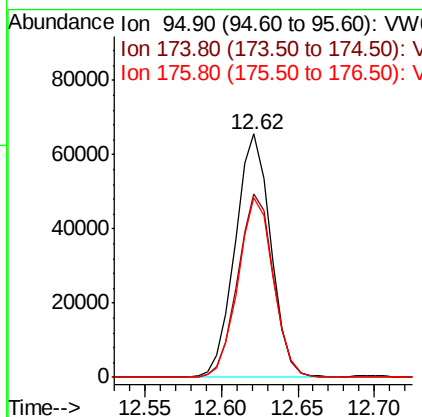
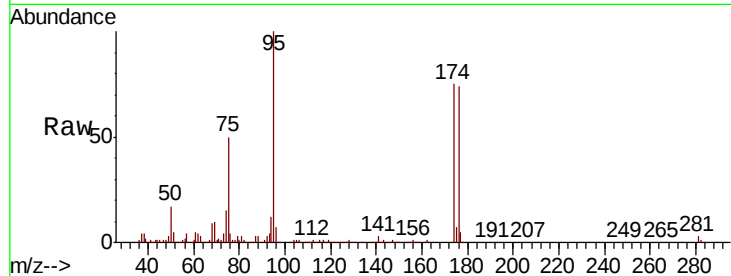




#62
4-Bromofluorobenzene
Concen: 80.215 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW007754.D
Acq: 20 Dec 2018 18:24

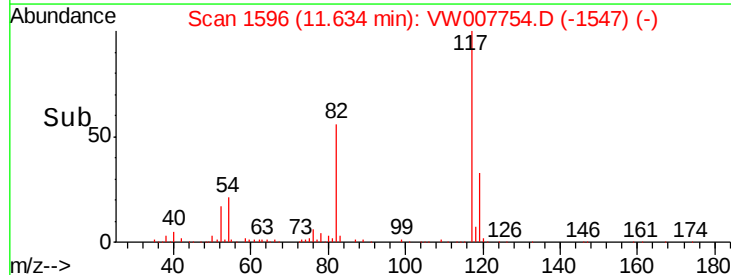
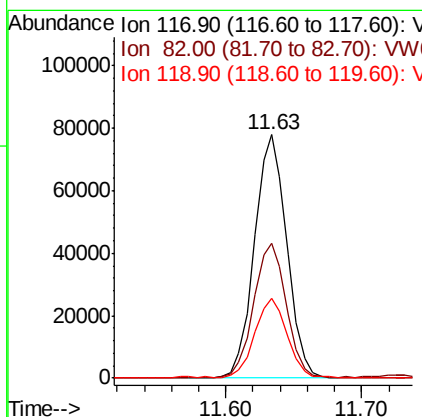
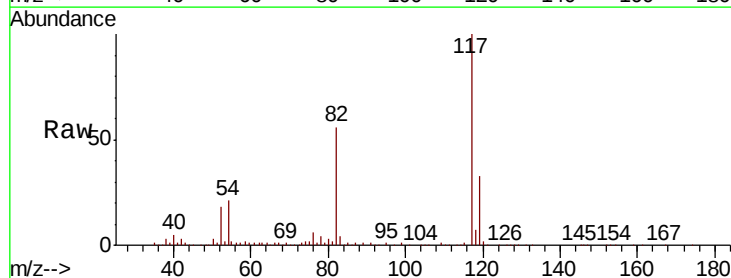
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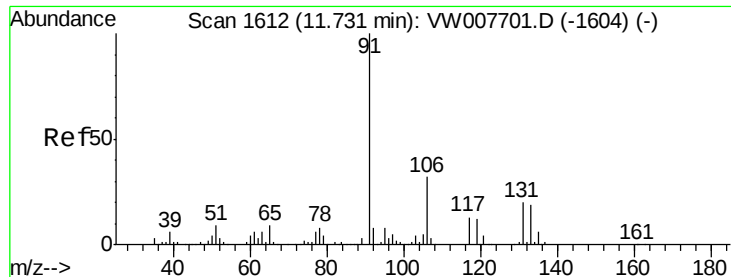
Tgt Ion: 95 Resp: 104681
Ion Ratio Lower Upper
95 100
174 76.2 0.0 152.2
176 73.8 0.0 146.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007754.D
Acq: 20 Dec 2018 18:24

Tgt Ion: 117 Resp: 129336
Ion Ratio Lower Upper
117 100
82 55.3 44.3 66.5
119 32.4 25.7 38.5

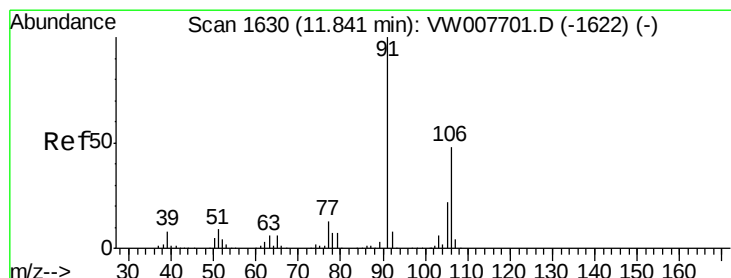
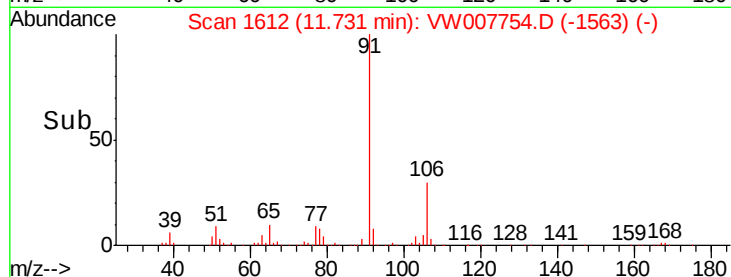
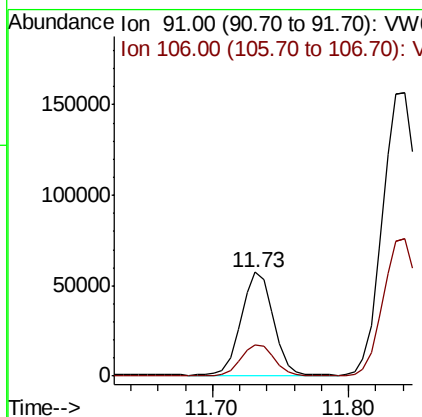
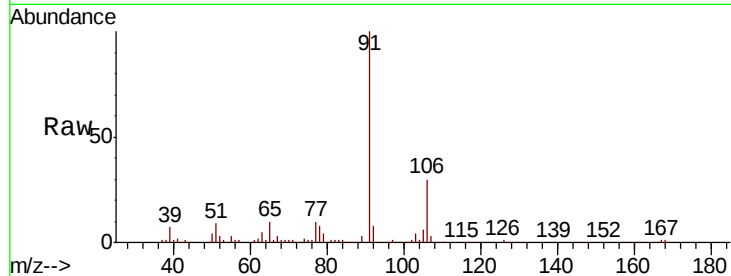




#67
Ethyl Benzene
Concen: 19.422 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007754.D
Acq: 20 Dec 2018 18:24

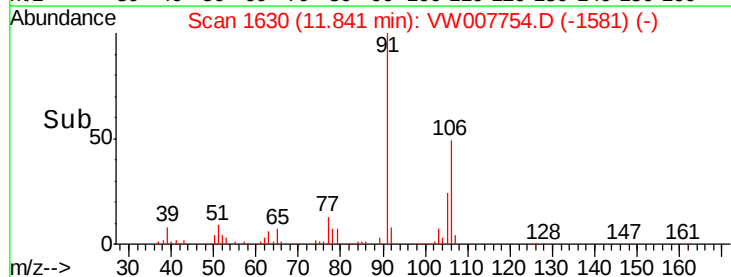
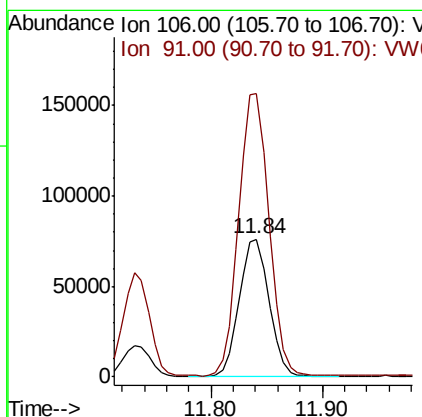
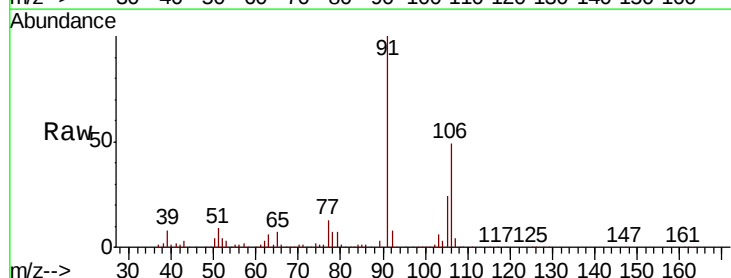
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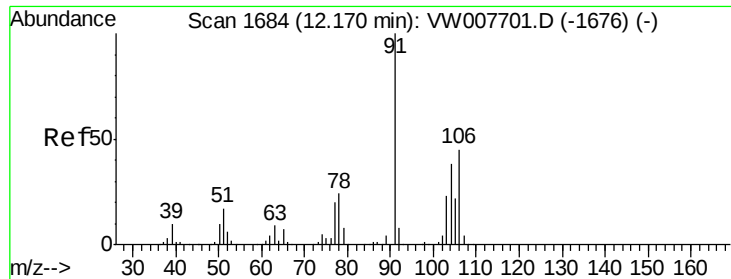
Tgt Ion: 91 Resp: 93296
Ion Ratio Lower Upper
91 100
106 30.3 25.8 38.8



#68
m/p-Xylenes
Concen: 75.677 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007754.D
Acq: 20 Dec 2018 18:24

Tgt Ion: 106 Resp: 141019
Ion Ratio Lower Upper
106 100
91 208.9 165.2 247.8

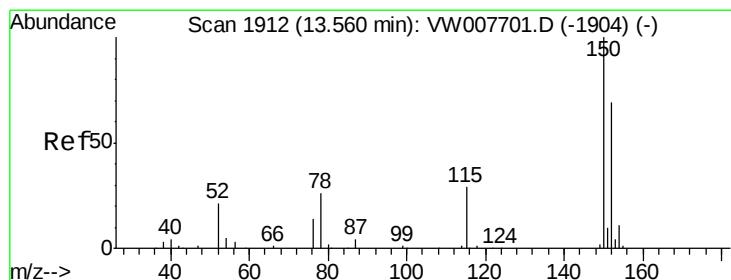
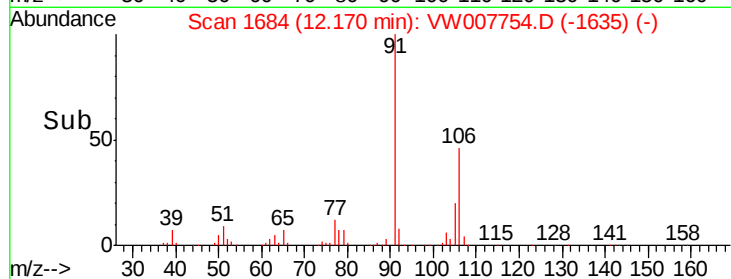
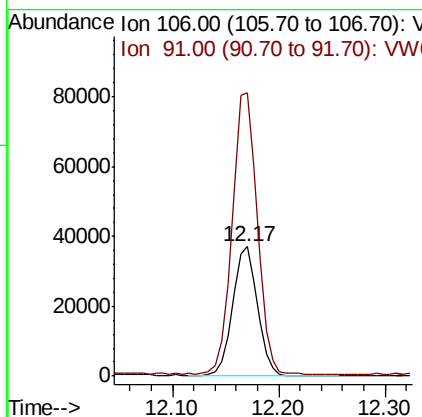
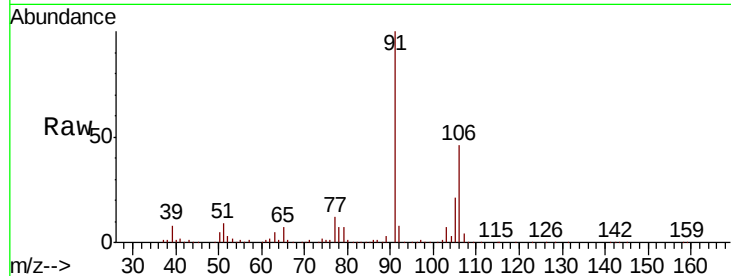




#69
o-Xylene
Concen: 34.678 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007754.D
Acq: 20 Dec 2018 18:24

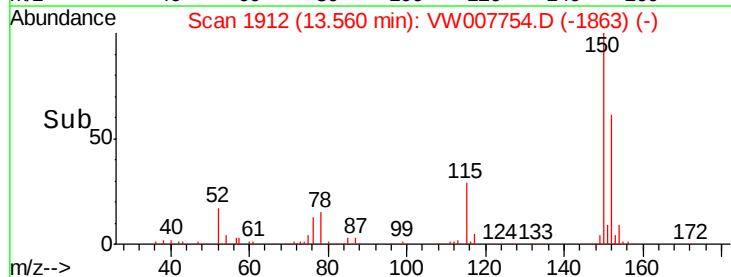
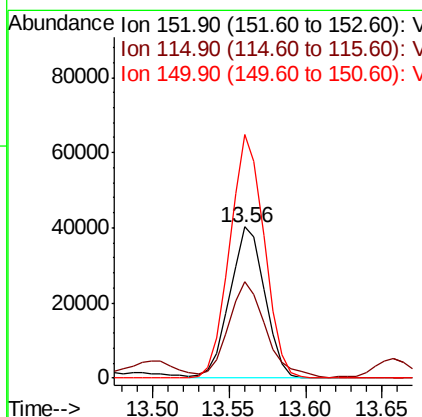
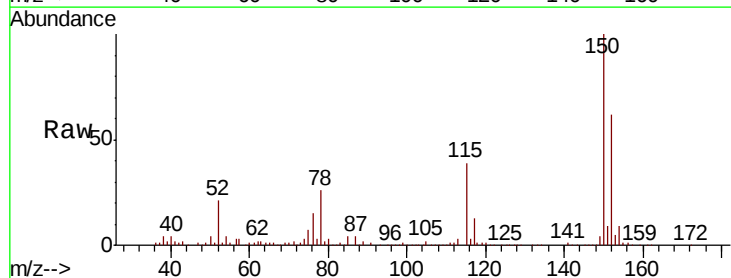
Instrument :
MSVOA_W
ClientSampleId :
KY001SB105-121218-(16-18)

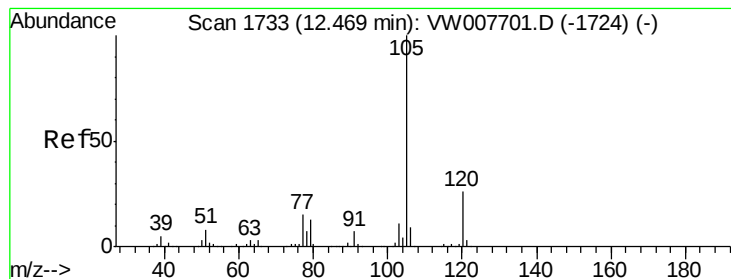
Tgt Ion:106 Resp: 60574
Ion Ratio Lower Upper
106 100
91 221.2 110.5 331.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007754.D
Acq: 20 Dec 2018 18:24

Tgt Ion:152 Resp: 64096
Ion Ratio Lower Upper
152 100
115 66.2 31.8 95.4
150 157.8 0.0 350.8





#73

Isopropylbenzene

Concen: 23.487 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007754.D

Acq: 20 Dec 2018 18:24

Instrument :

MSVOA_W

ClientSampleId :

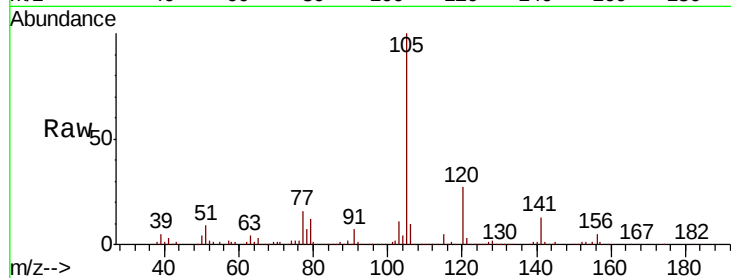
KY001SB105-121218-(16-18)

Tgt Ion: 105 Resp: 113792

Ion Ratio Lower Upper

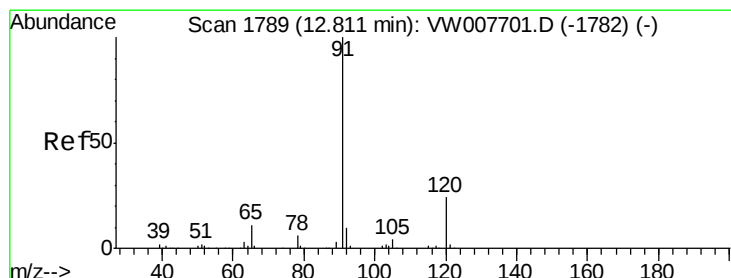
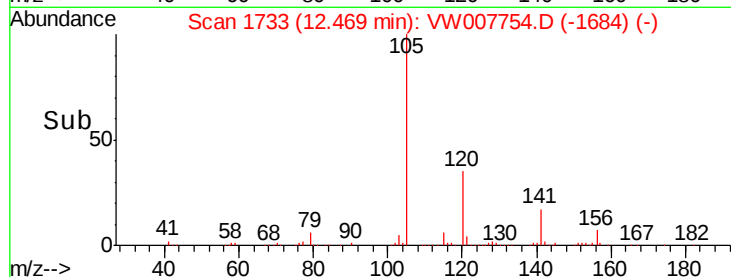
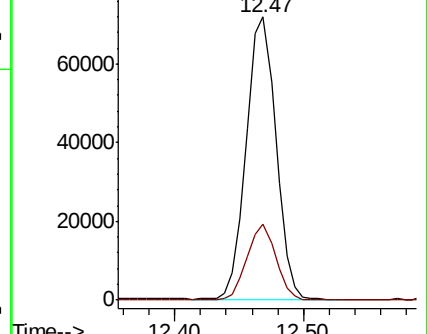
105 100

120 26.4 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: 22.692 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW007754.D

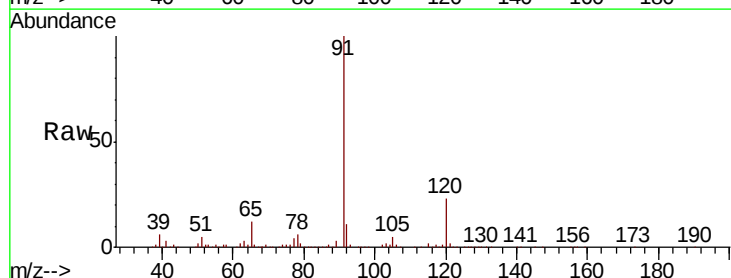
Acq: 20 Dec 2018 18:24

Tgt Ion: 91 Resp: 127981

Ion Ratio Lower Upper

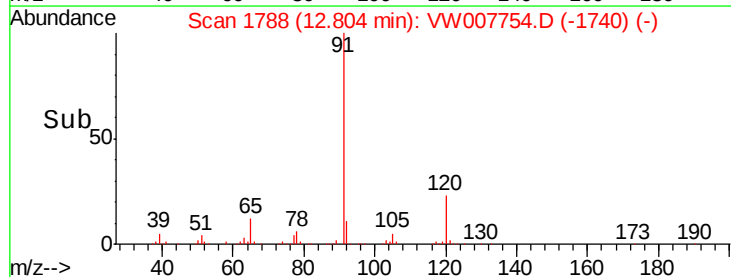
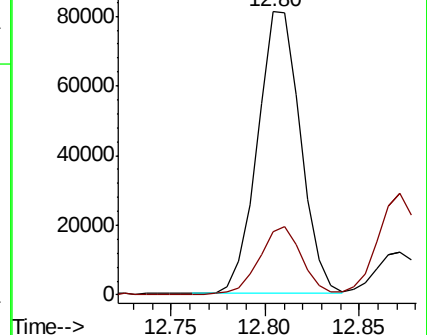
91 100

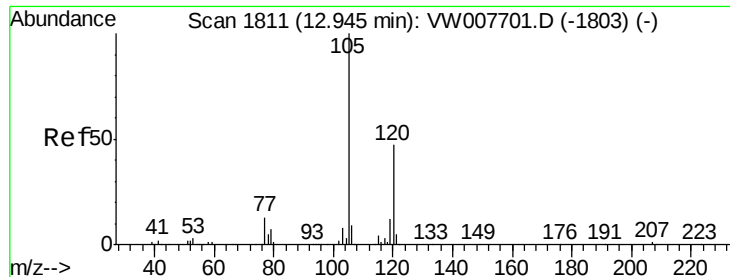
120 23.1 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 16.764 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW007754.D

Acq: 20 Dec 2018 18:24

Instrument :

MSVOA_W

ClientSampleId :

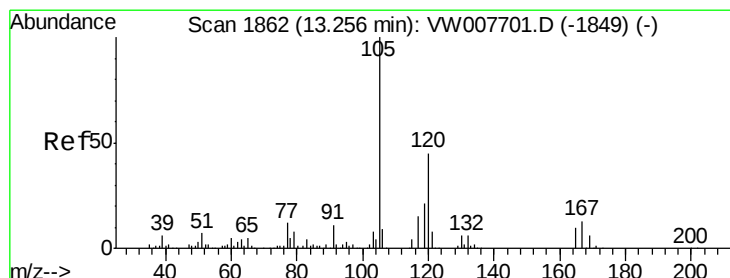
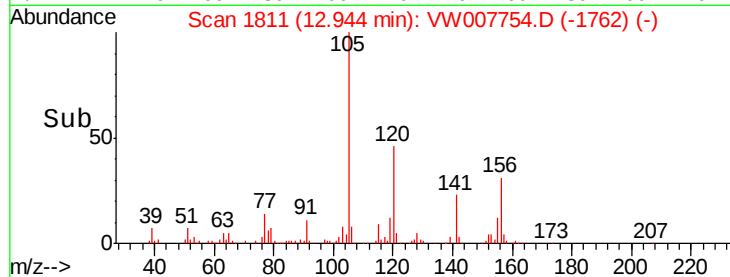
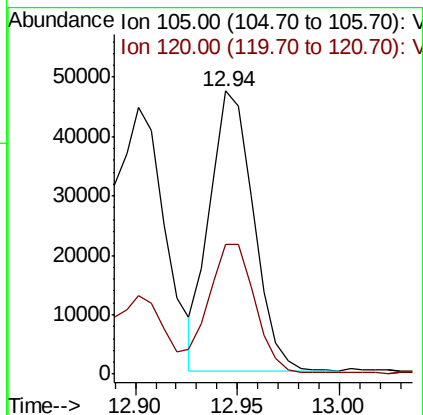
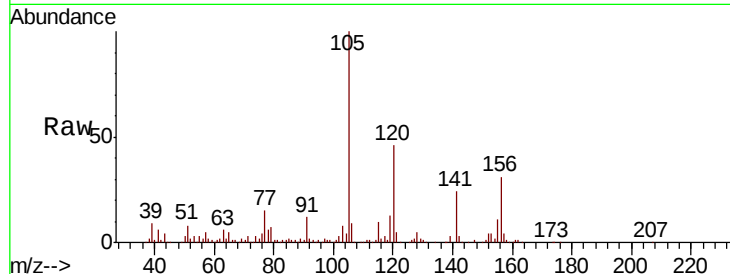
KY001SB105-121218-(16-18)

Tgt Ion:105 Resp: 70057

Ion Ratio Lower Upper

105 100

120 49.3 23.6 70.8



#84

1,2,4-Trimethylbenzene

Concen: 66.530 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW007754.D

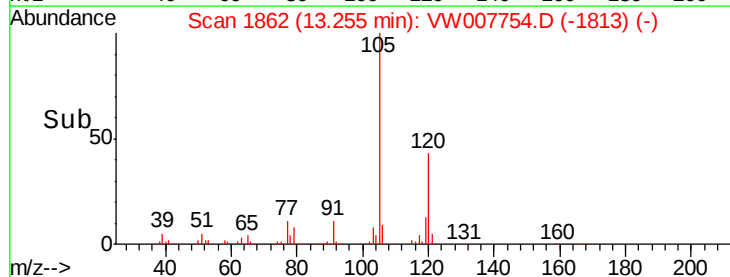
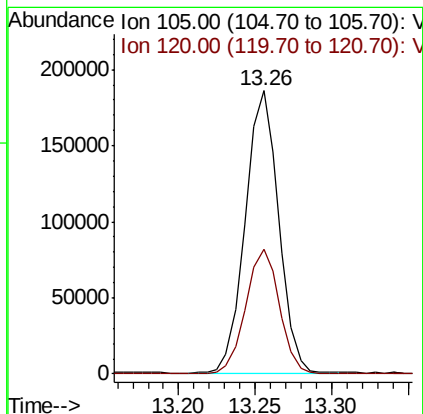
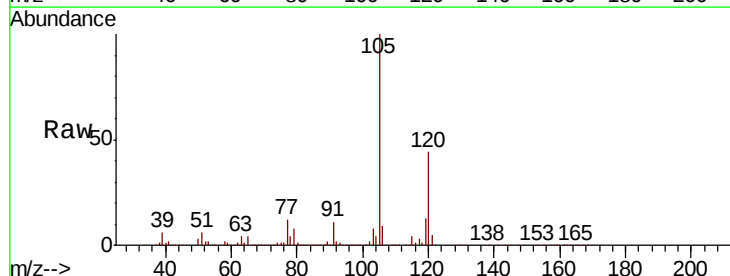
Acq: 20 Dec 2018 18:24

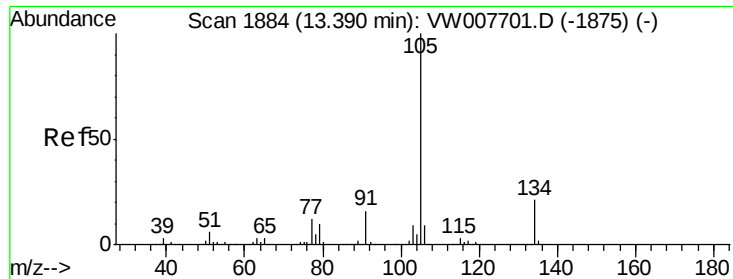
Tgt Ion:105 Resp: 280556

Ion Ratio Lower Upper

105 100

120 44.3 22.0 66.0





#85

sec-Butylbenzene

Concen: 3.433 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW007754.D

Acq: 20 Dec 2018 18:24

Instrument :

MSVOA_W

ClientSampleId :

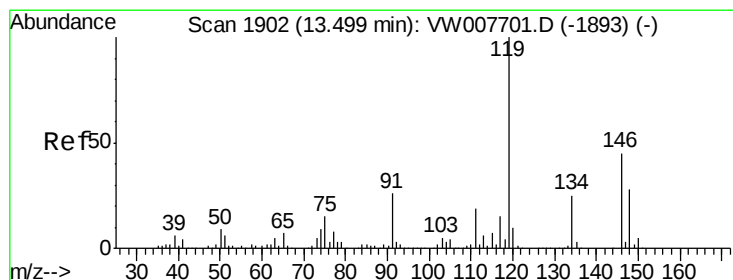
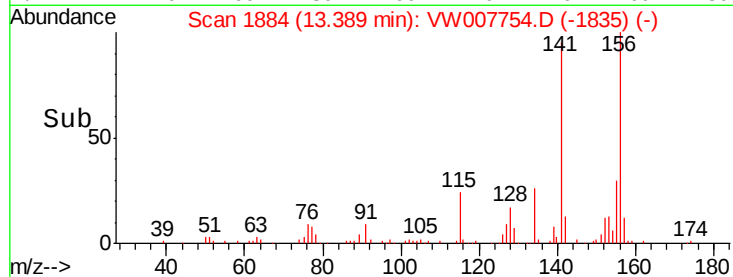
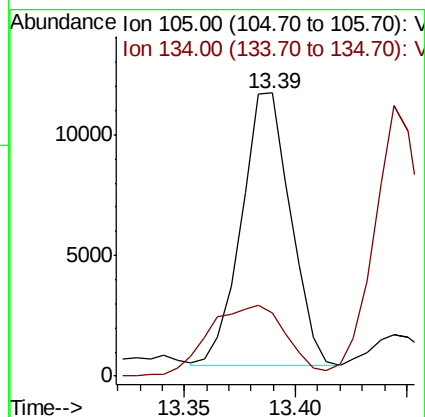
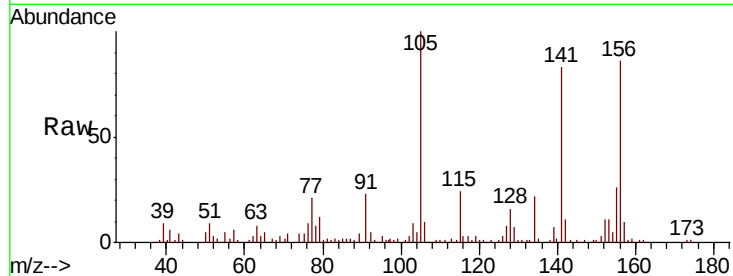
KY001SB105-121218-(16-18)

Tgt Ion:105 Resp: 17349

Ion Ratio Lower Upper

105 100

134 41.3 10.2 30.4#



#86

p-Isopropyltoluene

Concen: 13.570 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.01 min

Lab File: VW007754.D

Acq: 20 Dec 2018 18:24

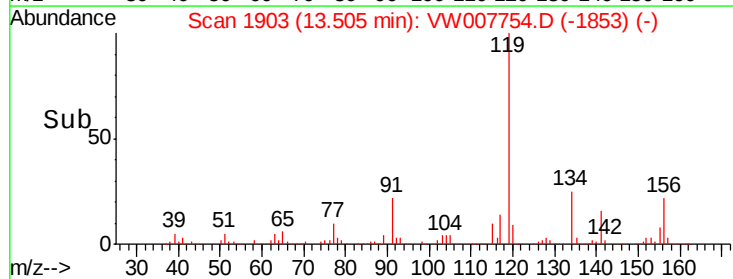
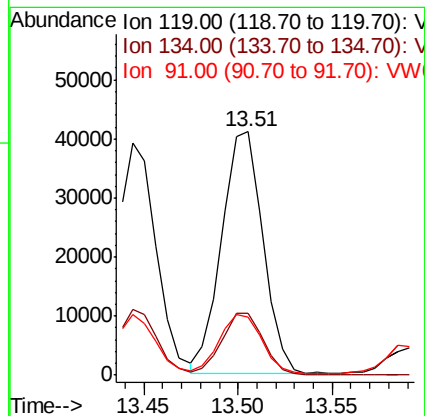
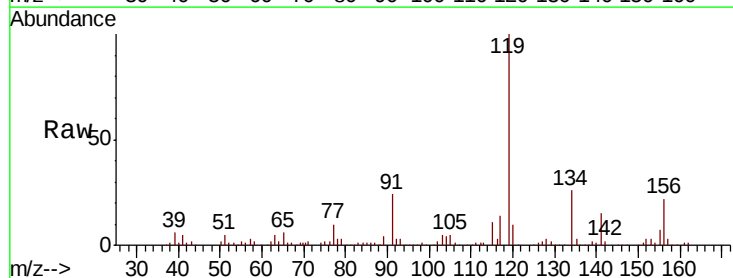
Tgt Ion:119 Resp: 62357

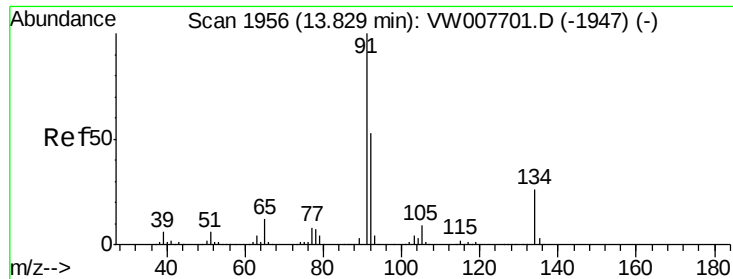
Ion Ratio Lower Upper

119 100

134 25.4 13.0 39.0

91 24.5 12.8 38.4

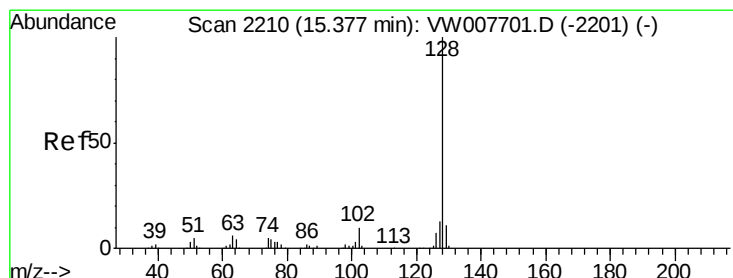
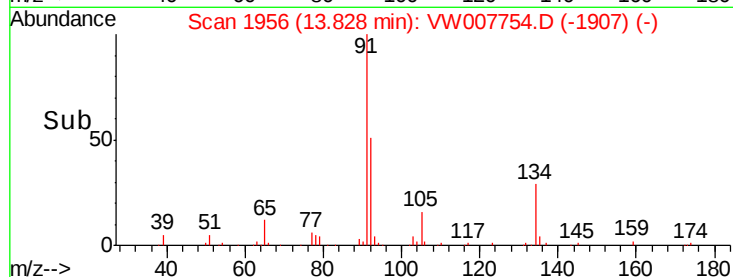
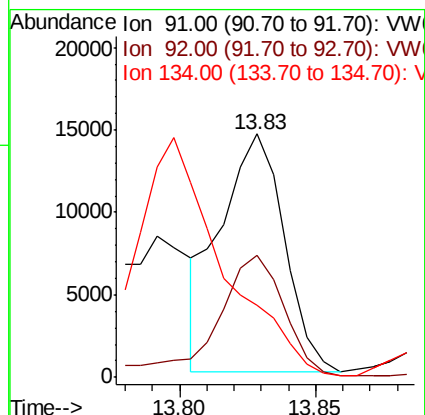
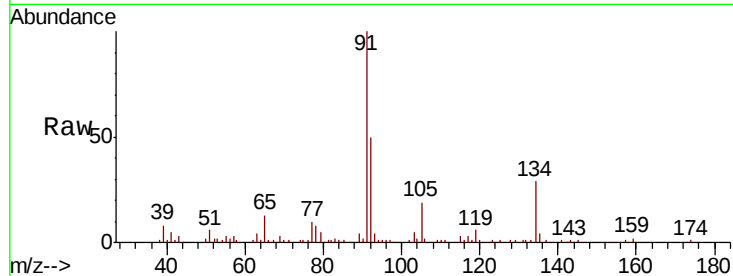




#89
n-Butylbenzene
Concen: 5.560 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW007754.D
Acq: 20 Dec 2018 18:24

Instrument :
MSVOA_W
ClientSampleId :
KY001SB105-121218-(16-18)

Tgt Ion: 91 Resp: 23427
Ion Ratio Lower Upper
91 100
92 51.6 26.4 79.2
134 0.0 13.7 41.0#



#95
Naphthalene
Concen: 49.877 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW007754.D
Acq: 20 Dec 2018 18:24

Tgt Ion: 128 Resp: 126346
Ion Ratio Lower Upper
128 100
127 13.6 10.7 16.1
129 11.0 8.8 13.2

