

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110819\
 Data File : VW013946.D
 Acq On : 08 Nov 2019 15:54
 Operator : SY/VA
 Sample : K5742-07
 Misc : 5.91G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-35-(6-8)

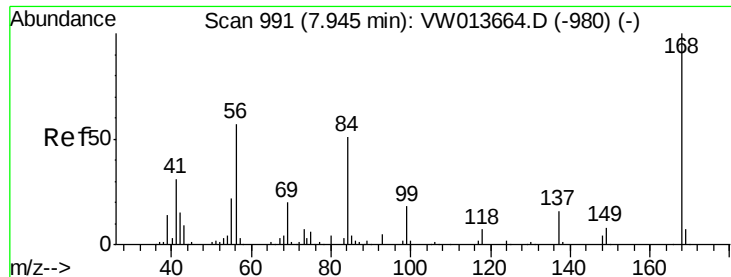
Quant Time: Nov 11 10:41:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	277844	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	431025	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	285691	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	424521	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	116366	55.83	ug/l	0.00
Spiked Amount			Recovery	=	111.66%	
35) Dibromofluoromethane	7.88	113	121350	50.67	ug/l	0.00
Spiked Amount			Recovery	=	101.34%	
50) Toluene-d8	10.32	98	815512	83.56	ug/l	0.00
Spiked Amount			Recovery	=	167.12%	
62) 4-Bromofluorobenzene	12.62	95	753070	227.90	ug/l	0.00
Spiked Amount			Recovery	=	455.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	32669	73.923	ug/l	96
17) Carbon Disulfide	4.38	76	9246	1.292	ug/l	98
25) 2-Butanone	7.18	43	14753	23.220	ug/l #	85
31) Cyclohexane	7.96	56	41935	9.053	ug/l #	87
39) Methylcyclohexane	9.34	83	694329	133.939	ug/l	94
67) Ethyl Benzene	11.73	91	44059m	4.162	ug/l	
68) m/p-Xylenes	11.84	106	53561	13.096	ug/l	88
73) Isopropylbenzene	12.47	105	63258	2.075	ug/l	95
80) 1,3,5-Trimethylbenzene	12.95	105	437602	17.004	ug/l	98
83) tert-Butylbenzene	13.21	119	248991	10.900	ug/l	90
84) 1,2,4-Trimethylbenzene	13.26	105	2481751	97.758	ug/l	98
85) sec-Butylbenzene	13.39	105	1354488	43.360	ug/l #	55

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013946.D

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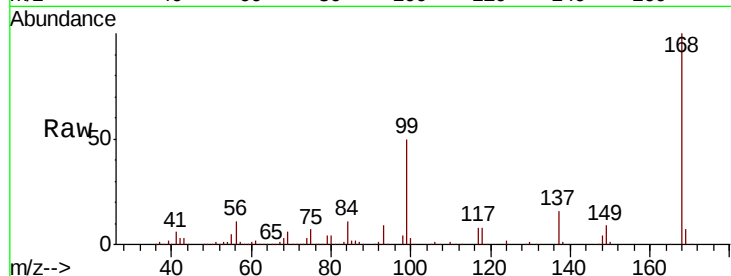
SB-35-(6-8)

Tot Ion:168 Resp: 277844

Ion Ratio Lower Upper

168 100

99 50.0 39.0 58.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

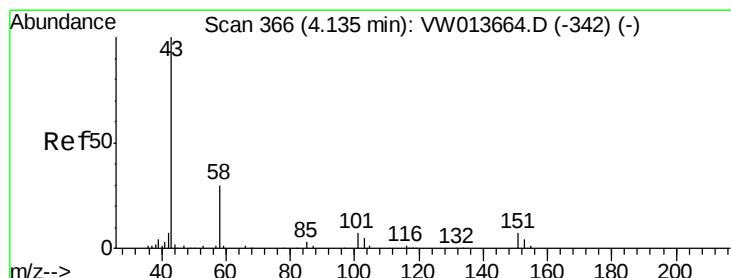
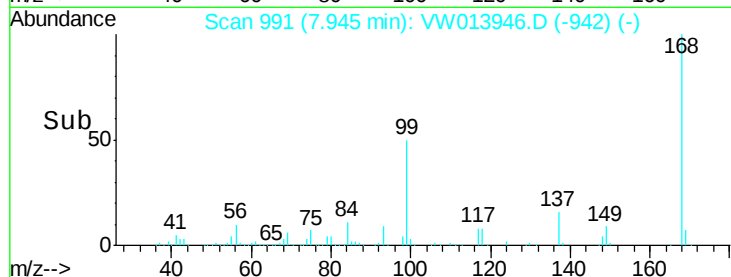
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 73.923 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.02 min

Lab File: VW013946.D

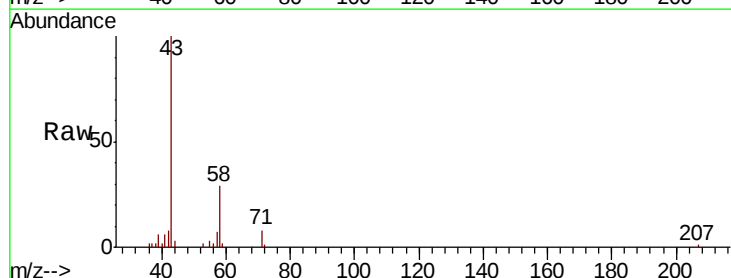
Acq: 08 Nov 2019 15:54

Tgt Ion: 43 Resp: 32669

Ion Ratio Lower Upper

43 100

58 27.9 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

12000

10000

8000

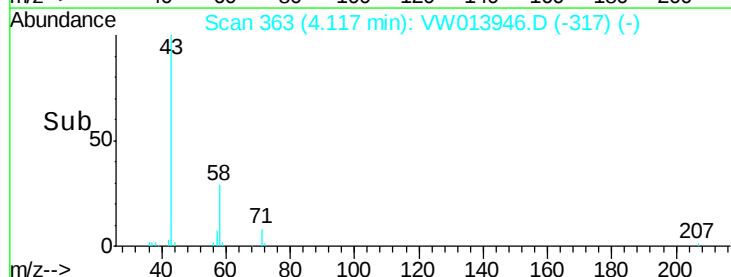
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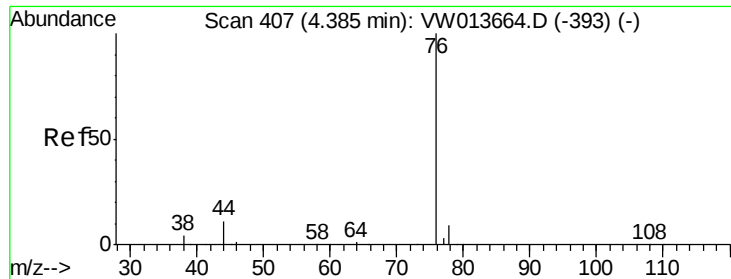
4000

2000

0

Time-->

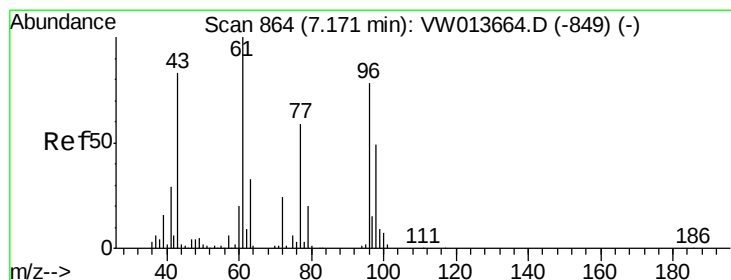
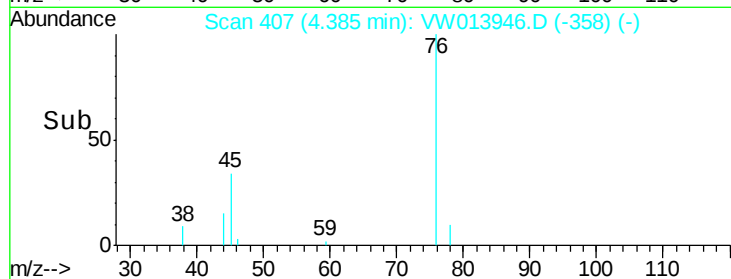
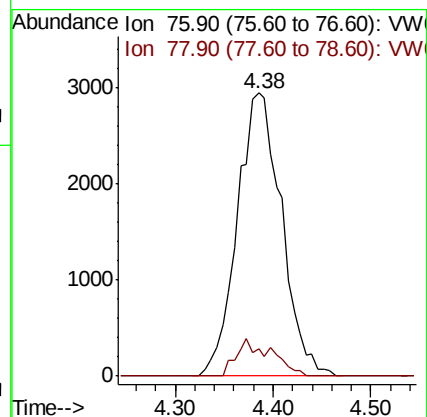
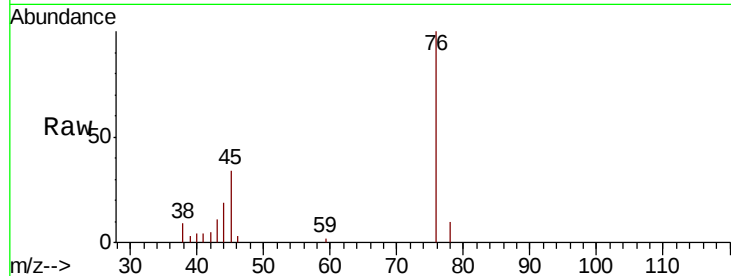




#17
Carbon Disulfide
Concen: 1.292 ug/l
RT: 4.38 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW013946.D
Acq: 08 Nov 2019 15:54

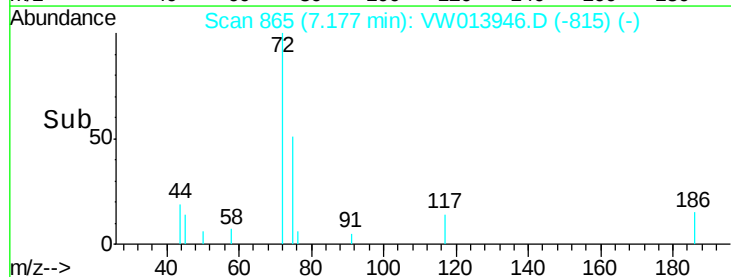
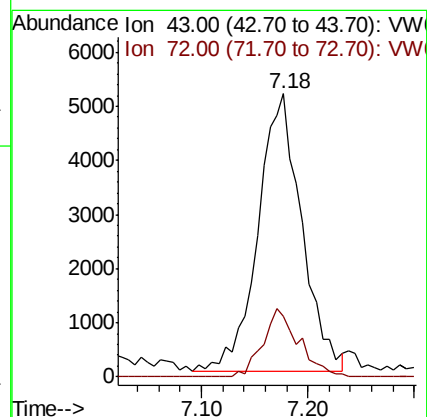
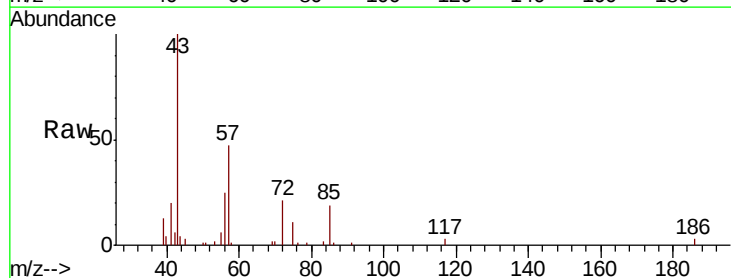
Instrument :
MSVOA_W
ClientSampleId :
SB-35-(6-8)

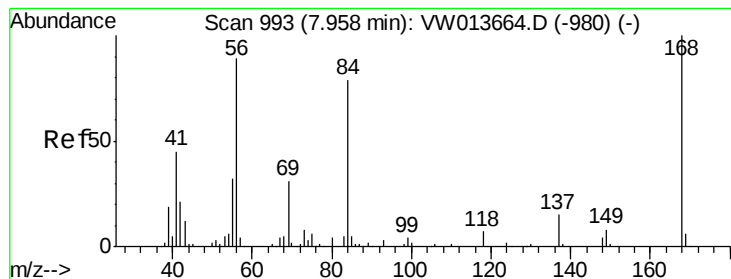
Tot Ion: 76 Resp: 9246
Ion Ratio Lower Upper
76 100
78 9.7 7.0 10.6



#25
2-Butanone
Concen: 23.220 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW013946.D
Acq: 08 Nov 2019 15:54

Tgt Ion: 43 Resp: 14753
Ion Ratio Lower Upper
43 100
72 21.7 23.6 35.4#





#31

Cyclohexane

Concen: 9.053 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW013946.D

Acq: 08 Nov 2019 15:54

Instrument :

MSVOA_W

ClientSampled :

SB-35-(6-8)

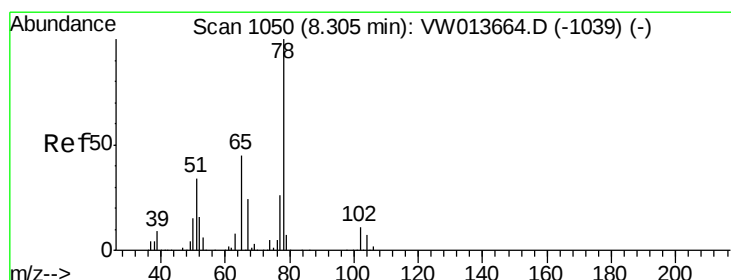
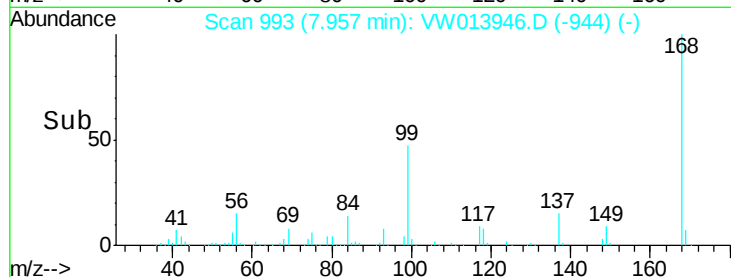
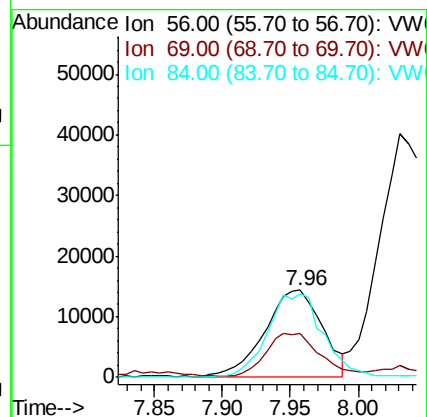
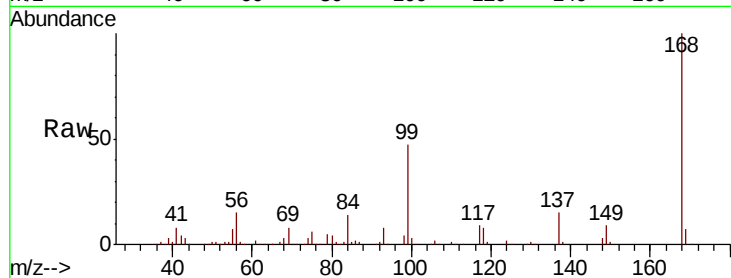
Tot Ion: 56 Resp: 41935

Ion Ratio Lower Upper

56 100

69 47.7 27.5 41.3#

84 96.3 70.8 106.2



#33

1,2-Dichloroethane-d4

Concen: 55.830 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013946.D

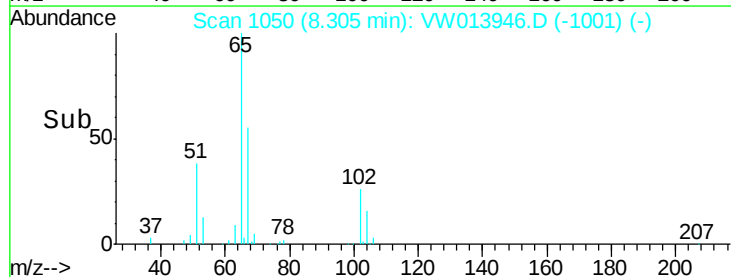
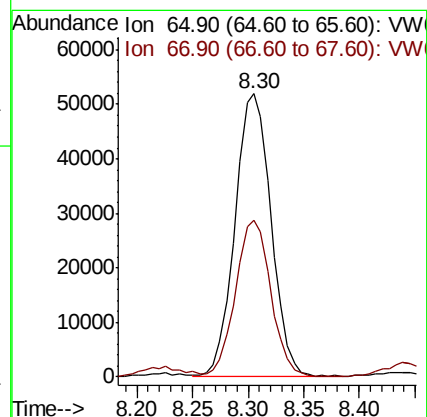
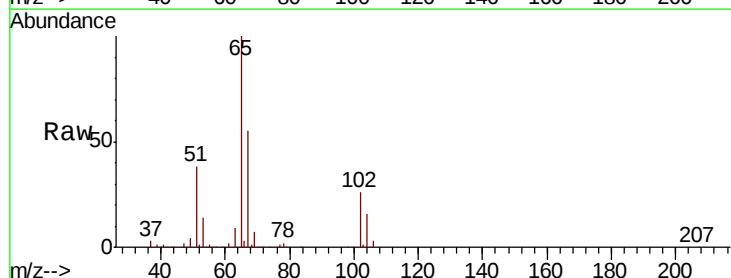
Acq: 08 Nov 2019 15:54

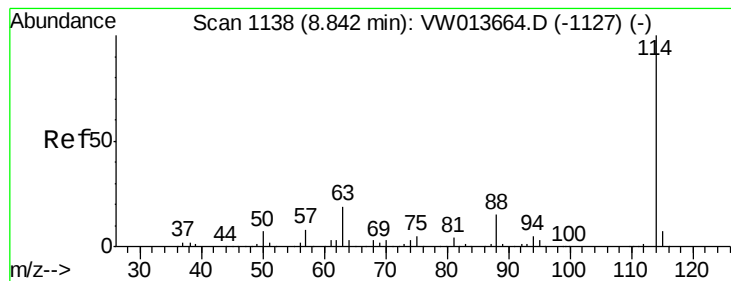
Tgt Ion: 65 Resp: 116366

Ion Ratio Lower Upper

65 100

67 53.9 0.0 109.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW013946.D

Acq: 08 Nov 2019 15:54

Instrument :

MSVOA_W

ClientSampleId :

SB-35-(6-8)

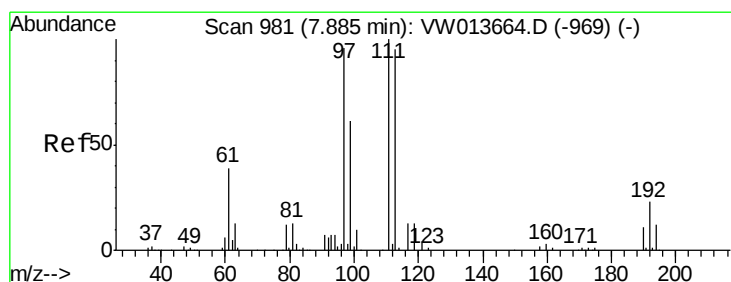
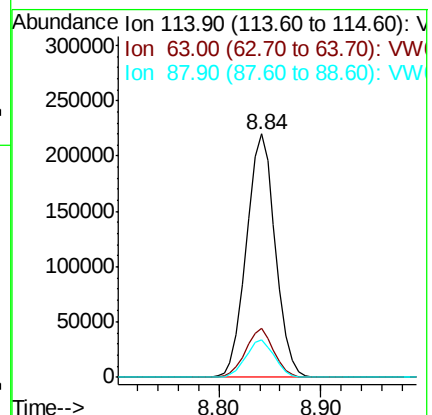
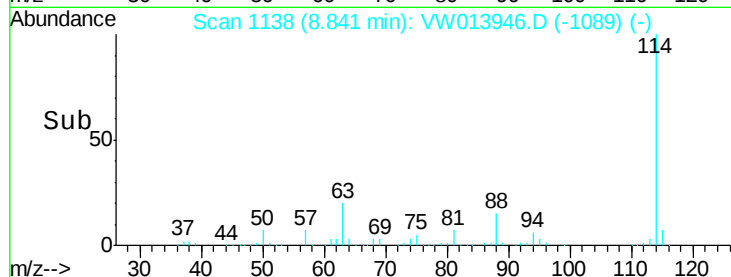
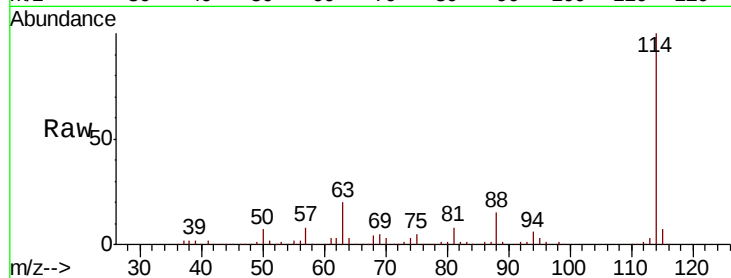
Tot Ion:114 Resp: 431025

Ion Ratio Lower Upper

114 100

63 20.2 0.0 37.6

88 15.2 0.0 30.2



#35

Dibromofluoromethane

Concen: 50.668 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW013946.D

Acq: 08 Nov 2019 15:54

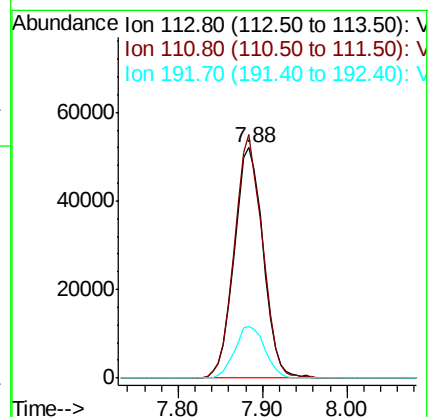
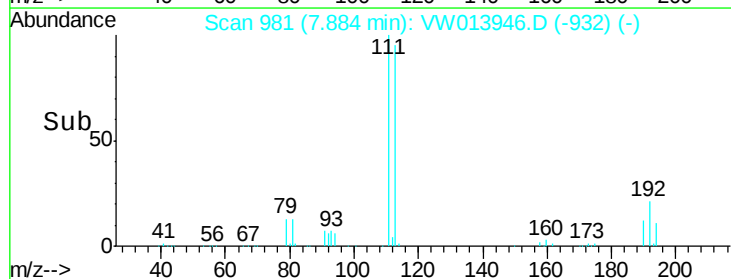
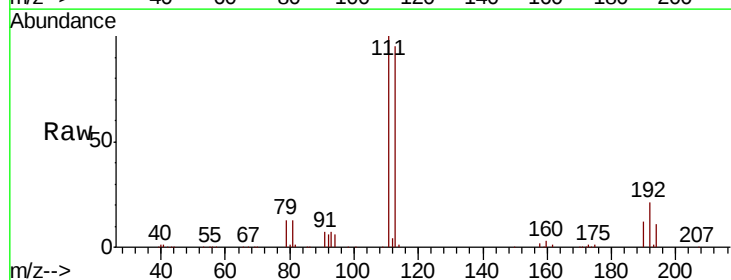
Tgt Ion:113 Resp: 121350

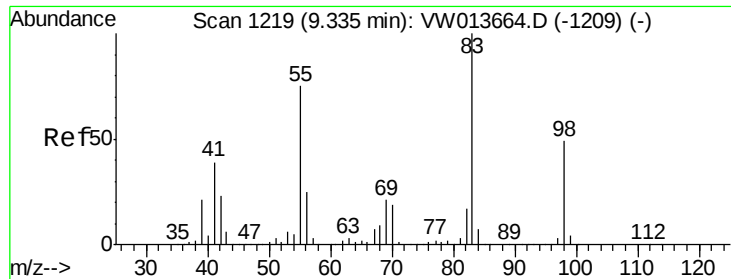
Ion Ratio Lower Upper

113 100

111 101.8 83.0 124.6

192 23.3 19.4 29.2

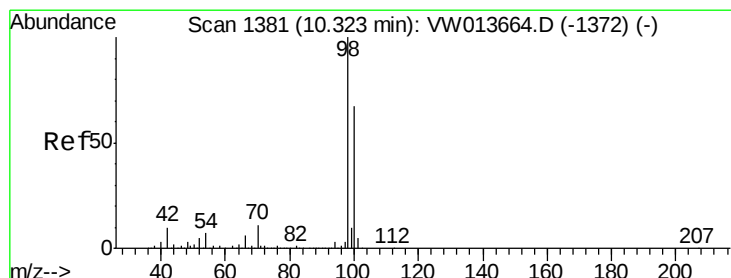
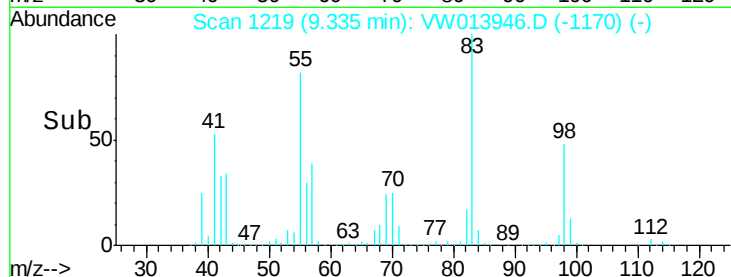
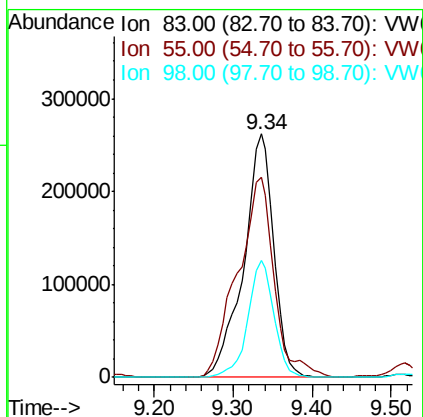
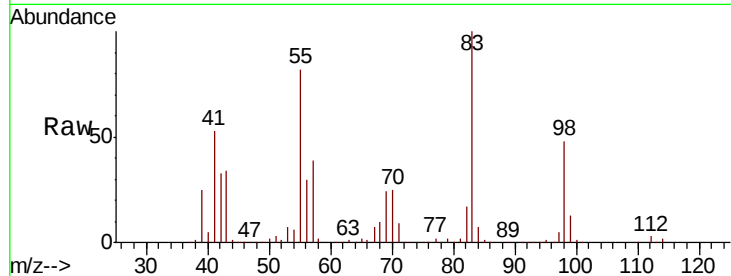




#39
Methylcyclohexane
Concen: 133.939 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013946.D
Acq: 08 Nov 2019 15:54

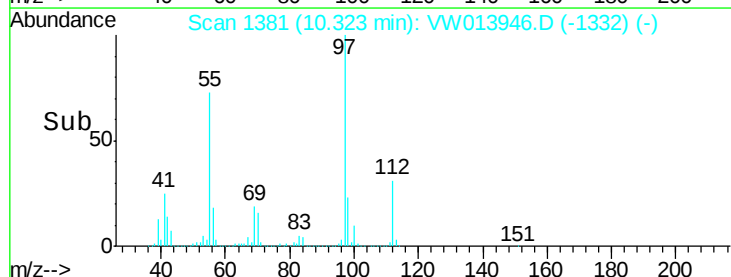
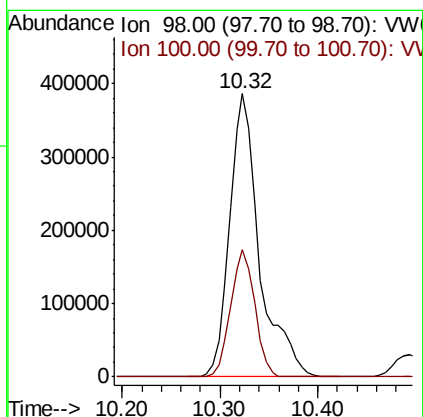
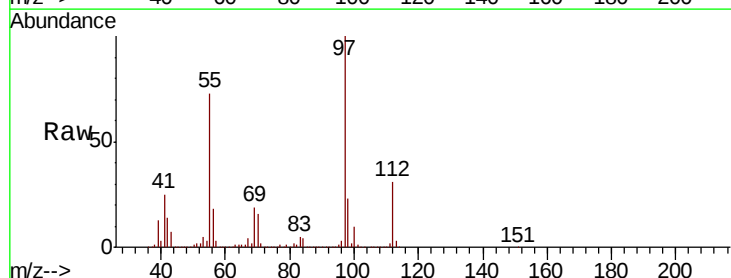
Instrument :
MSVOA_W
ClientSampleId :
SB-35-(6-8)

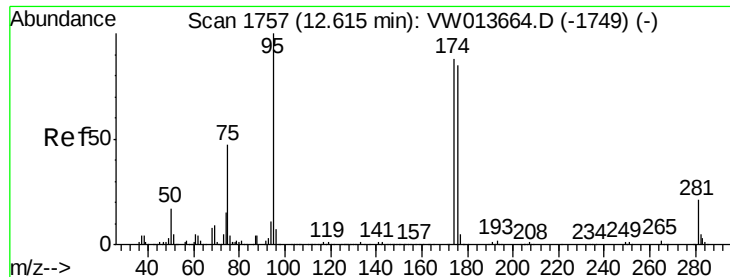
Tot Ion: 83 Resp: 694329
Ion Ratio Lower Upper
83 100
55 82.1 59.9 89.9
98 48.1 39.4 59.2



#50
Toluene-d8
Concen: 83.564 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013946.D
Acq: 08 Nov 2019 15:54

Tgt Ion: 98 Resp: 815512
Ion Ratio Lower Upper
98 100
100 36.5 53.4 80.0#





#62

4-Bromofluorobenzene

Concen: 227.896 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013946.D

Acq: 08 Nov 2019 15:54

Instrument :

MSVOA_W

ClientSampleId :

SB-35-(6-8)

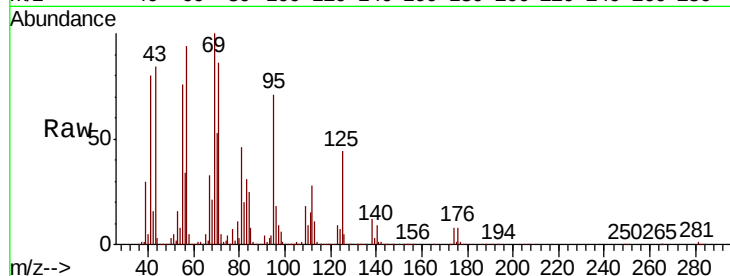
Tot Ion: 95 Resp: 753070

Ion Ratio Lower Upper

95 100

174 11.7 0.0 183.6

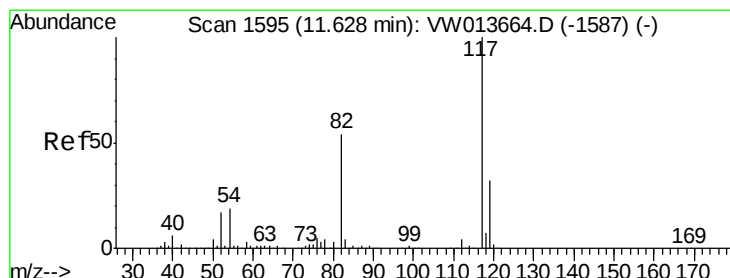
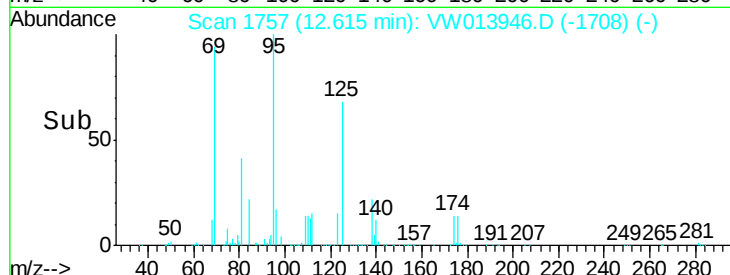
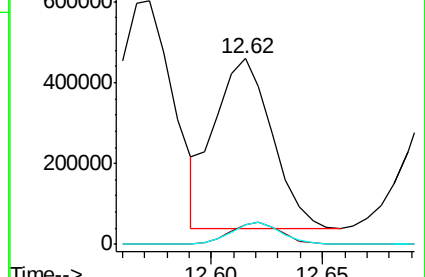
176 11.3 0.0 178.0



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.00 min

Lab File: VW013946.D

Acq: 08 Nov 2019 15:54

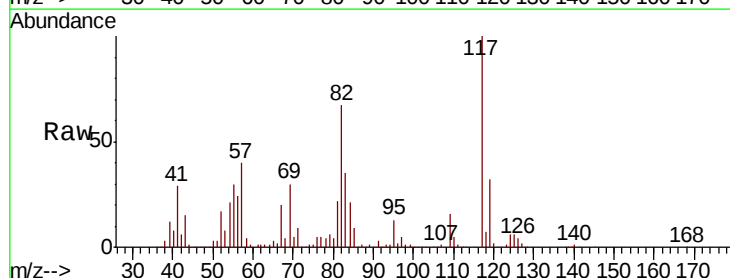
Tgt Ion: 117 Resp: 285691

Ion Ratio Lower Upper

117 100

82 43.9 43.6 65.4

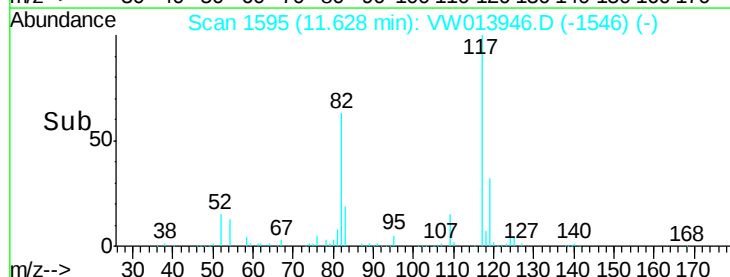
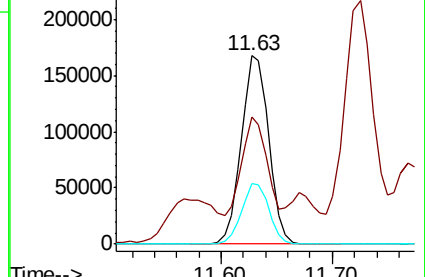
119 32.2 25.4 38.2

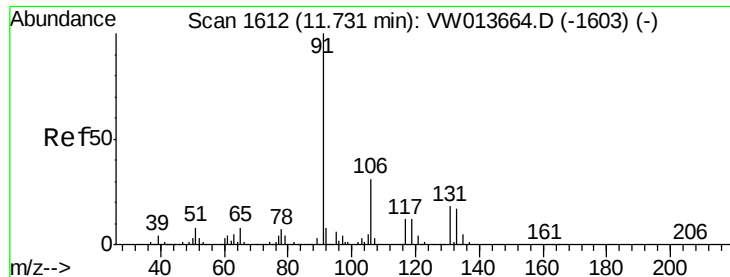


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

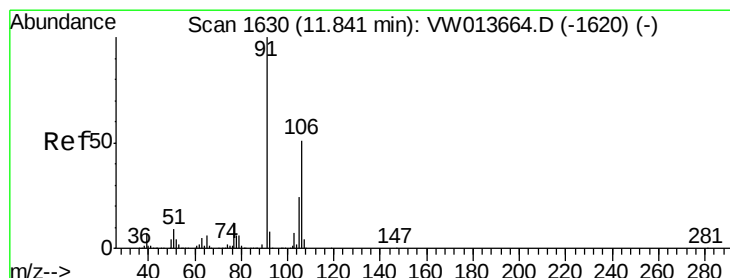
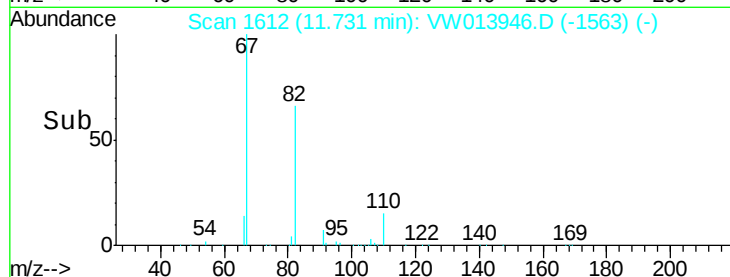
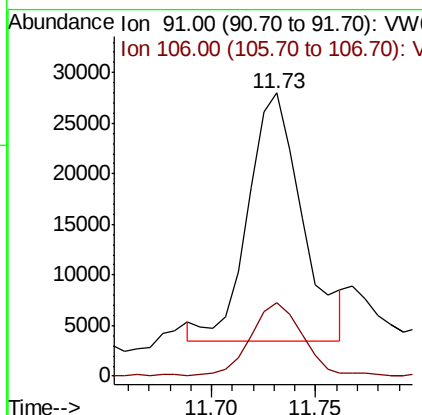
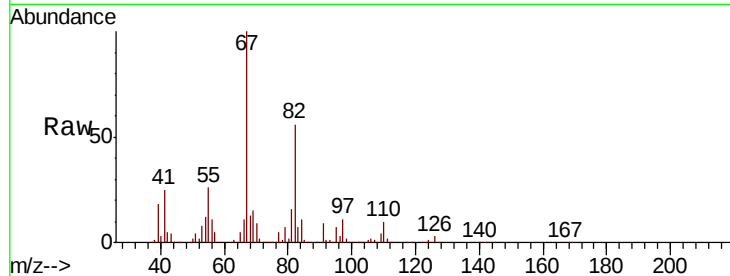




#67
Ethyl Benzene
Concen: 4.162 ug/l m
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013946.D
Acq: 08 Nov 2019 15:54

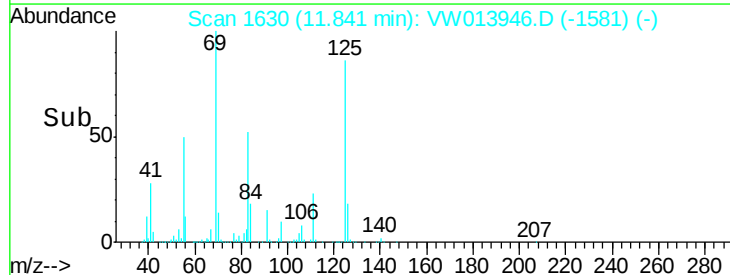
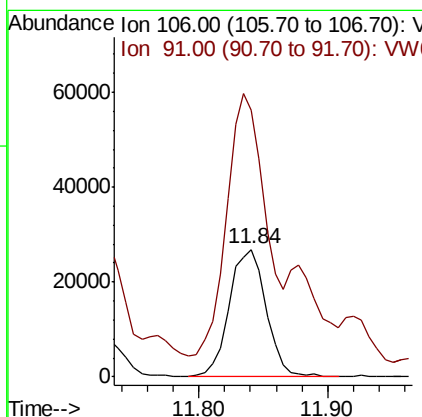
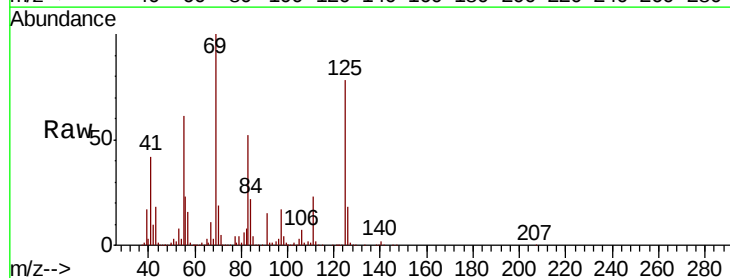
Instrument :
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SB-35-(6-8)

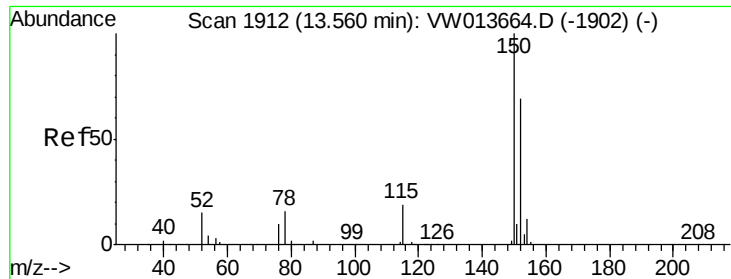
Tot Ion: 91 Resp: 44059
Ion Ratio Lower Upper
91 100
106 26.2 25.0 37.6



#68
m/p-Xylenes
Concen: 13.096 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW013946.D
Acq: 08 Nov 2019 15:54

Tgt Ion: 106 Resp: 53561
Ion Ratio Lower Upper
106 100
91 216.7 159.2 238.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1910

Delta R.T. -0.01 min

Lab File: VW013946.D

Acq: 08 Nov 2019 15:54

Instrument :

MSVOA_W

ClientSampleId :

SB-35-(6-8)

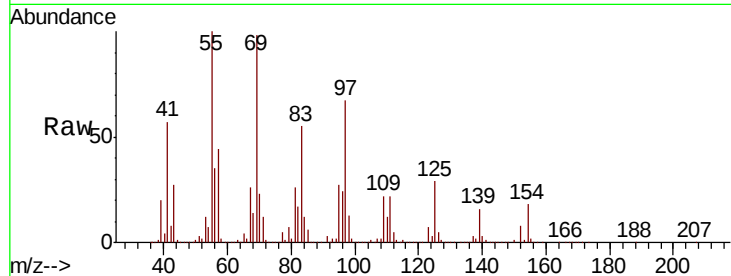
Tot Ion:152 Resp: 424521

Ion Ratio Lower Upper

152 100

115 11.4 27.4 82.2#

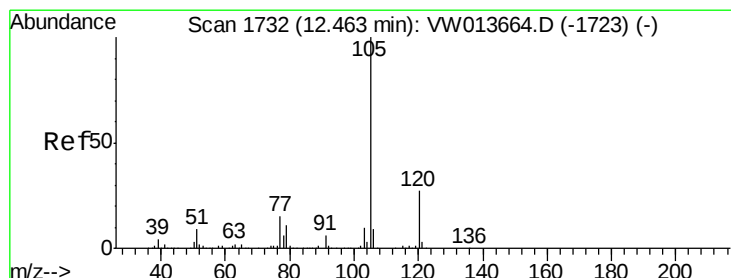
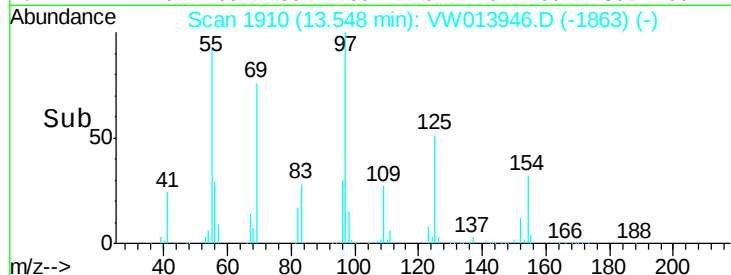
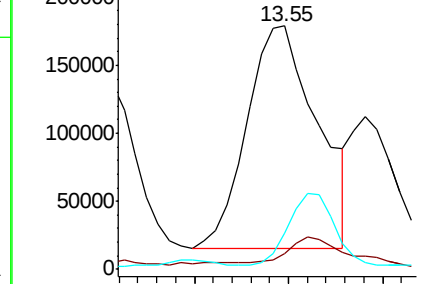
150 21.3 0.0 345.4



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: 2.075 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW013946.D

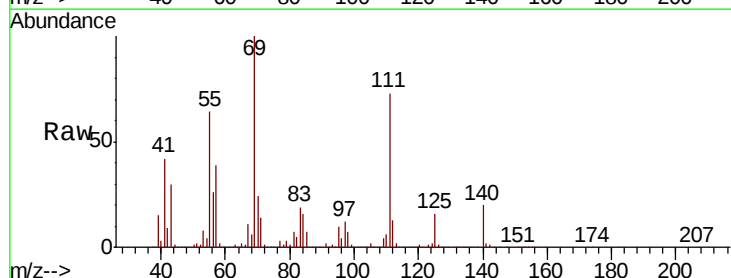
Acq: 08 Nov 2019 15:54

Tgt Ion:105 Resp: 63258

Ion Ratio Lower Upper

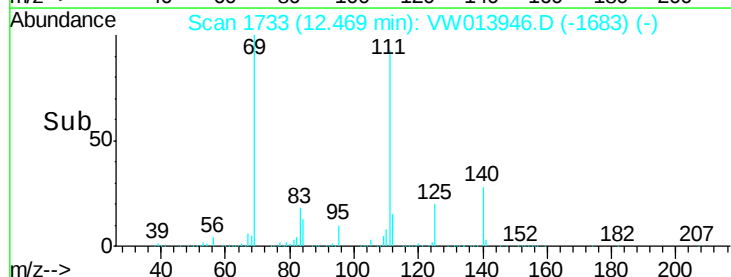
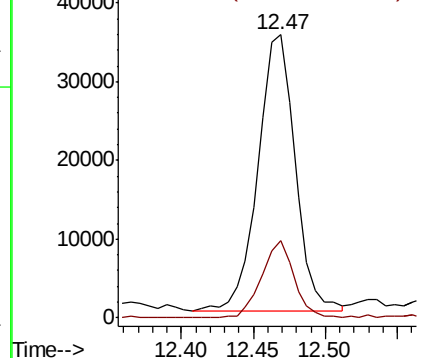
105 100

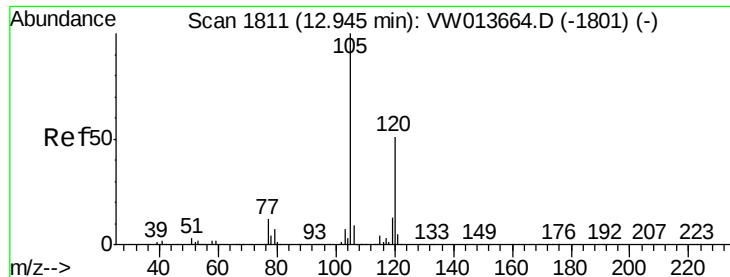
120 24.3 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

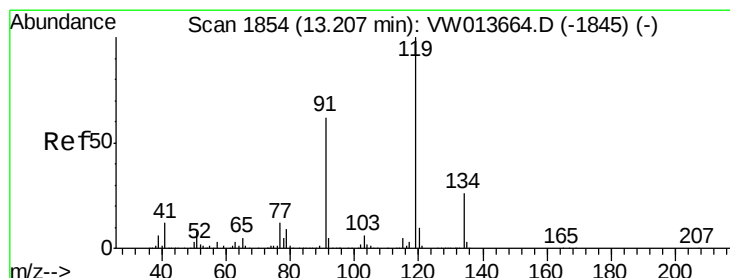
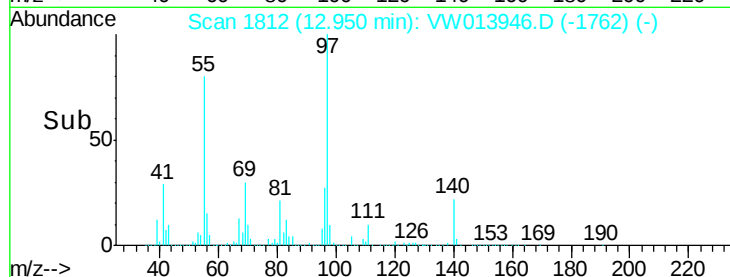
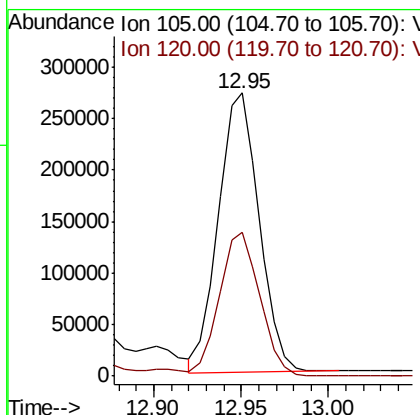
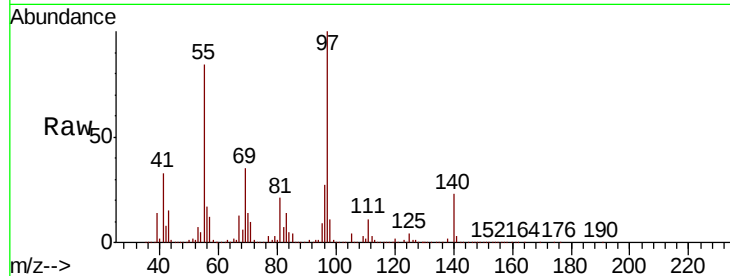




#80
 1,3,5-Trimethylbenzene
 Concen: 17.004 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. 0.01 min
 Lab File: VW013946.D
 Acq: 08 Nov 2019 15:54

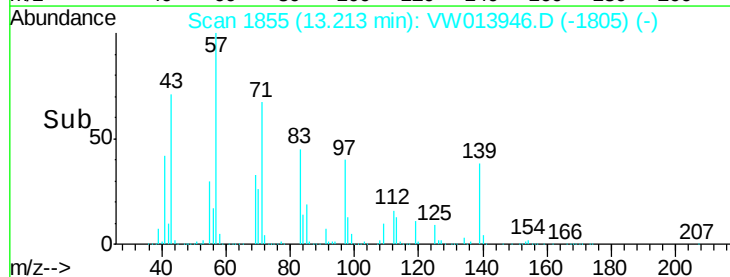
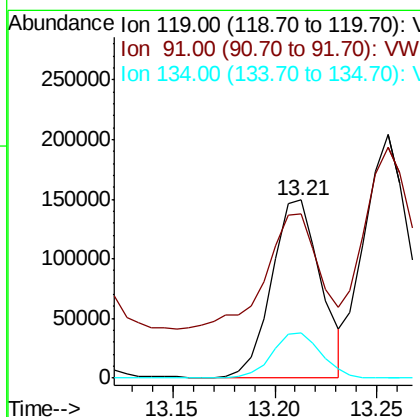
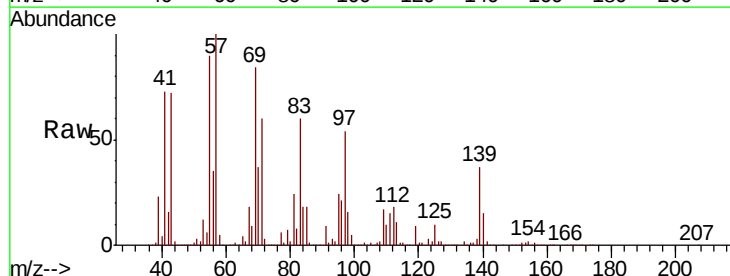
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-35-(6-8)

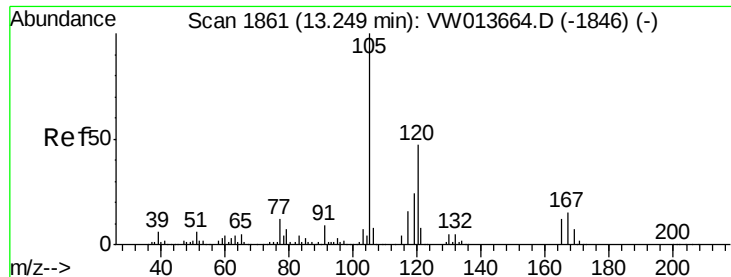
Tot Ion:105 Resp: 437602
 Ion Ratio Lower Upper
 105 100
 120 51.4 25.1 75.3



#83
 tert-Butylbenzene
 Concen: 10.900 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. 0.01 min
 Lab File: VW013946.D
 Acq: 08 Nov 2019 15:54

Tgt Ion:119 Resp: 248991
 Ion Ratio Lower Upper
 119 100
 91 70.5 30.4 91.3
 134 25.5 13.6 40.8

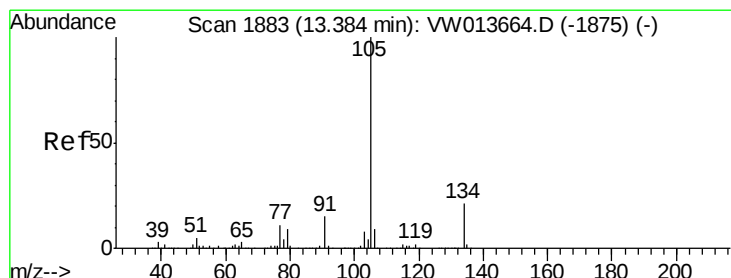
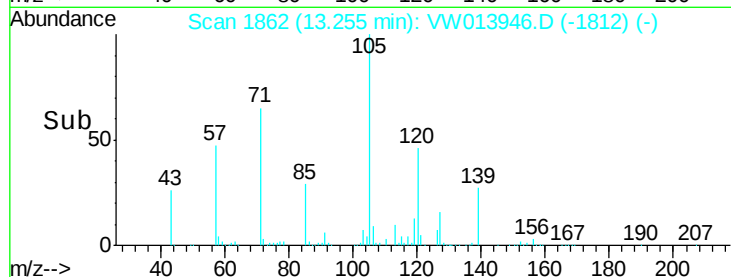
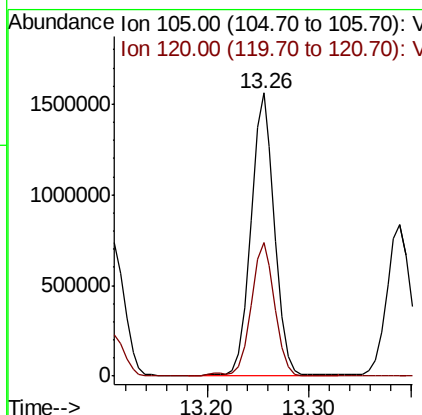
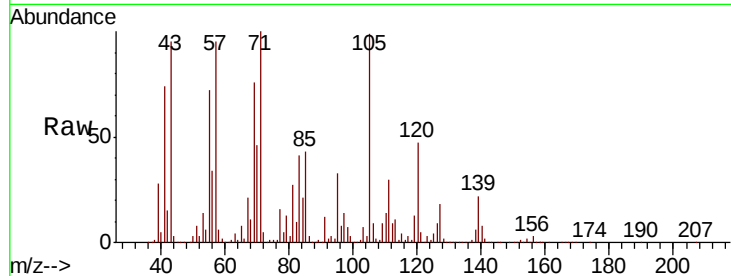




#84
 1,2,4-Trimethylbenzene
 Concen: 97.758 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.01 min
 Lab File: VW013946.D
 Acq: 08 Nov 2019 15:54

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-35-(6-8)

Tot Ion:105 Resp: 2481751
 Ion Ratio Lower Upper
 105 100
 120 48.5 23.5 70.5



#85
 sec-Butylbenzene
 Concen: 43.360 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.01 min
 Lab File: VW013946.D
 Acq: 08 Nov 2019 15:54

Tgt Ion:105 Resp: 1354488
 Ion Ratio Lower Upper
 105 100
 134 41.8 10.5 31.5#

