

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW111319\
 Data File : VW014005.D
 Acq On : 13 Nov 2019 14:32
 Operator : SY/VA
 Sample : K5742-07
 Misc : 8.78G/5.0ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Nov 15 07:30:58 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	271324	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	430284	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	293202	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.54	152	369168	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	119149	58.54	ug/l	0.00
Spiked Amount			Recovery	=	117.08%	
35) Dibromofluoromethane	7.88	113	122635	51.29	ug/l	0.00
Spiked Amount			Recovery	=	102.58%	
50) Toluene-d8	10.32	98	732058	75.14	ug/l	0.00
Spiked Amount			Recovery	=	150.28%	
62) 4-Bromofluorobenzene	12.61	95	617644	187.23	ug/l	0.00
Spiked Amount			Recovery	=	374.46%	

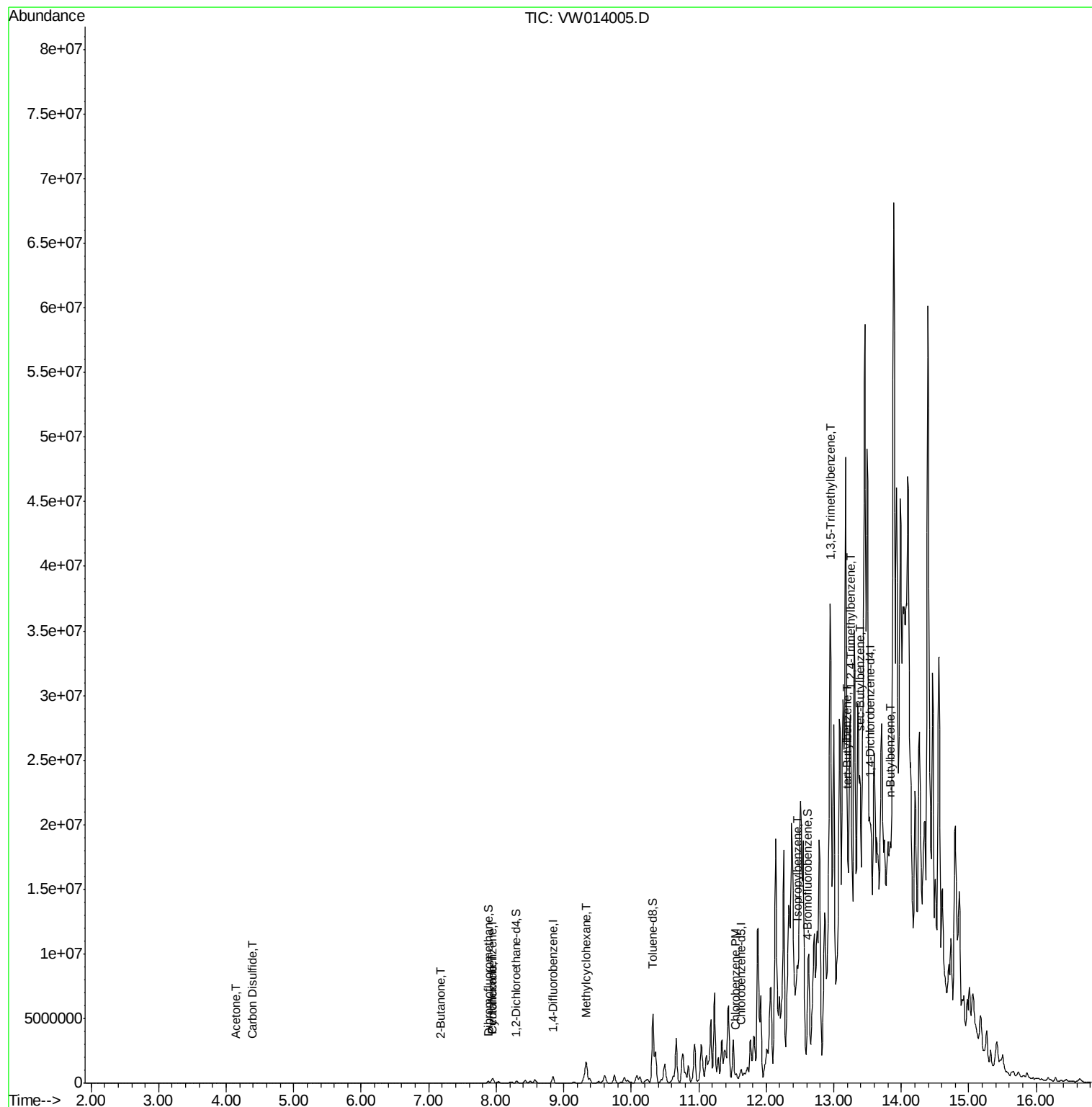
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.14	43	35939	83.276	ug/l	96
17) Carbon Disulfide	4.39	76	9027	1.292	ug/l #	93
25) 2-Butanone	7.18	43	12872	20.746	ug/l	89
31) Cyclohexane	7.95	56	41580	9.192	ug/l #	94
39) Methylcyclohexane	9.34	83	736758	142.369	ug/l	99
65) Chlorobenzene	11.55	112	12319	2.045	ug/l #	42
73) Isopropylbenzene	12.46	105	108718	4.101	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	467735	20.900	ug/l	98
83) tert-Butylbenzene	13.21	119	191594	9.645	ug/l	84
84) 1,2,4-Trimethylbenzene	13.26	105	4703401	213.051	ug/l	98
85) sec-Butylbenzene	13.38	105	1276858	47.004	ug/l #	58
89) n-Butylbenzene	13.83	91	900991	39.447	ug/l #	71

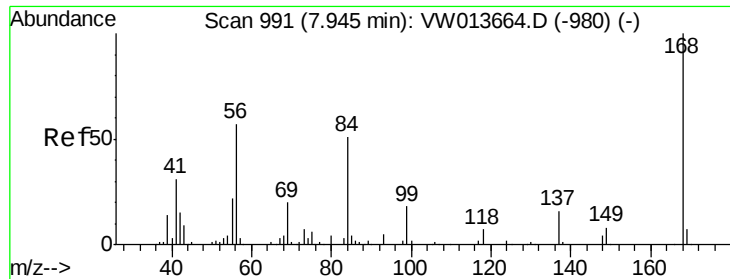
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW014005.D

Acq: 13 Nov 2019 14:32

Instrument :

MSVOA_W

ClientSampleId :

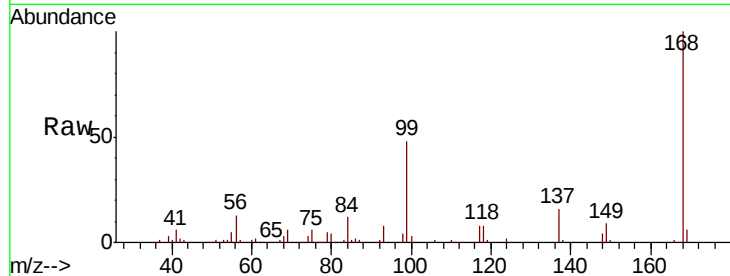
SB-35-(6-8)

Tot Ion:168 Resp: 271324

Ion Ratio Lower Upper

168 100

99 48.0 39.0 58.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

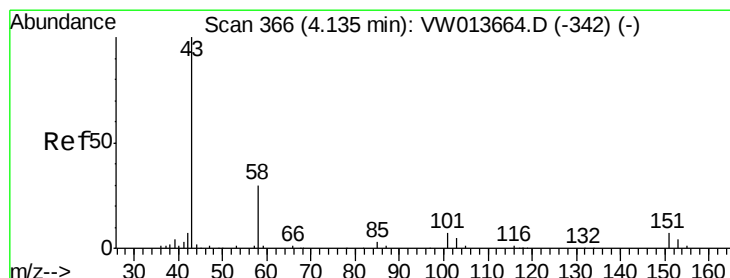
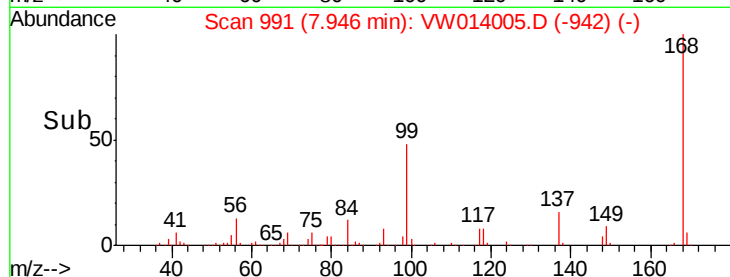
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#16

Acetone

Concen: 83.276 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW014005.D

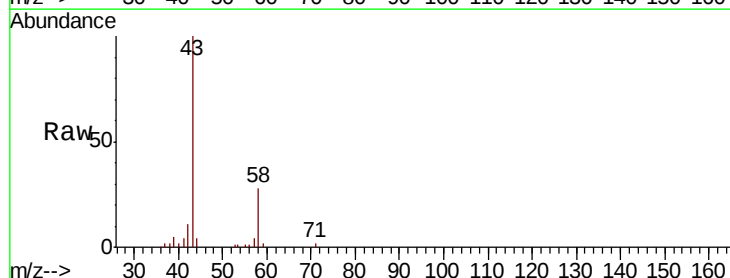
Acq: 13 Nov 2019 14:32

Tgt Ion: 43 Resp: 35939

Ion Ratio Lower Upper

43 100

58 28.0 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

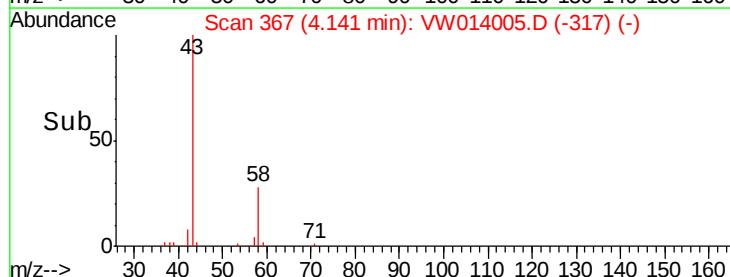
4.14

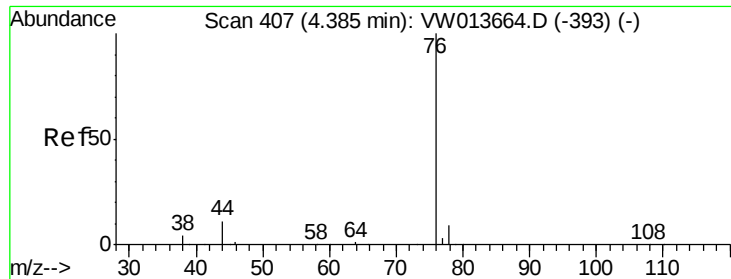
10000

5000

0

Time--> 4.00 4.10 4.20

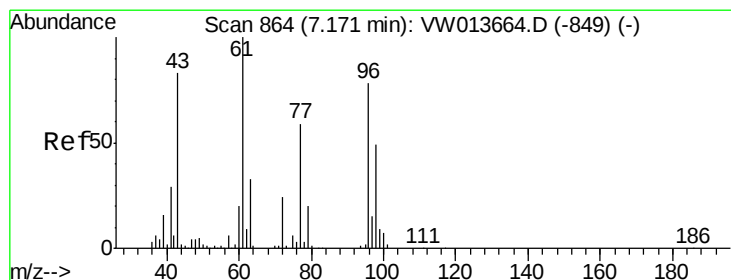
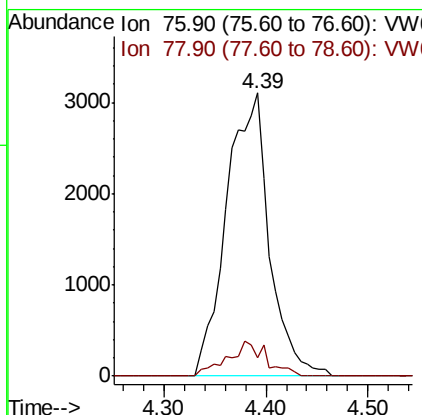
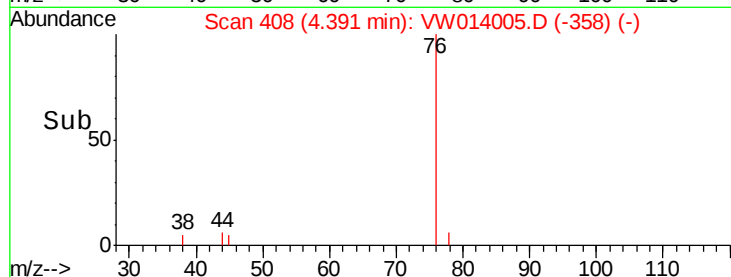
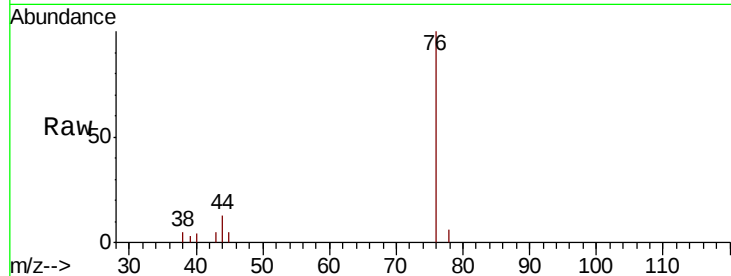




#17
Carbon Disulfide
Concen: 1.292 ug/l
RT: 4.39 min Scan# 408
Delta R.T. 0.01 min
Lab File: VW014005.D
Acq: 13 Nov 2019 14:32

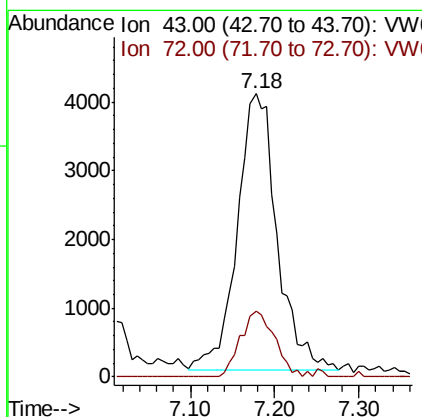
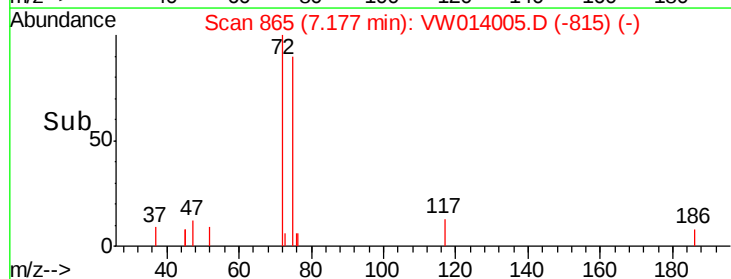
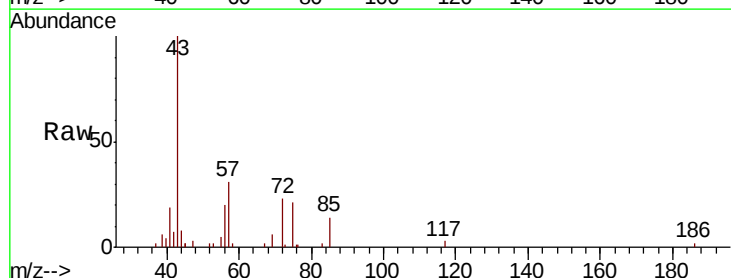
Instrument :
MSVOA_W
ClientSampled :
SB-35-(6-8)

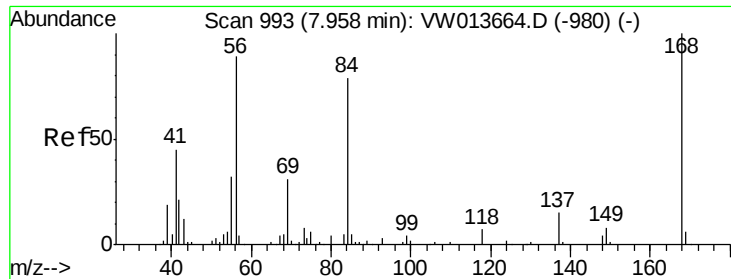
Tot Ion: 76 Resp: 9027
Ion Ratio Lower Upper
76 100
78 6.3 7.0 10.6#



#25
2-Butanone
Concen: 20.746 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW014005.D
Acq: 13 Nov 2019 14:32

Tgt Ion: 43 Resp: 12872
Ion Ratio Lower Upper
43 100
72 23.7 23.6 35.4

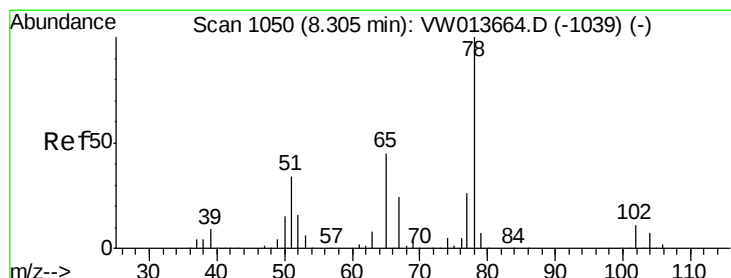
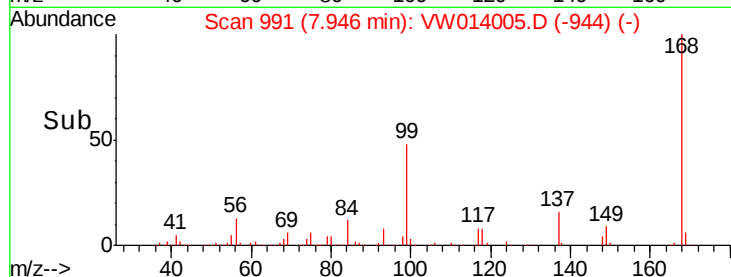
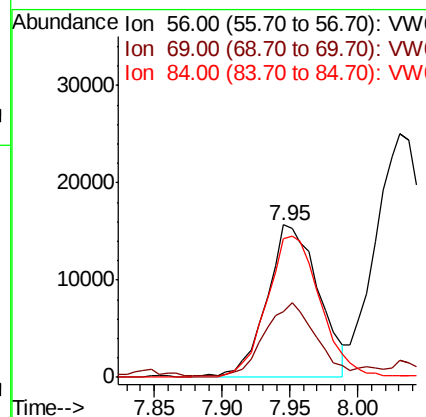
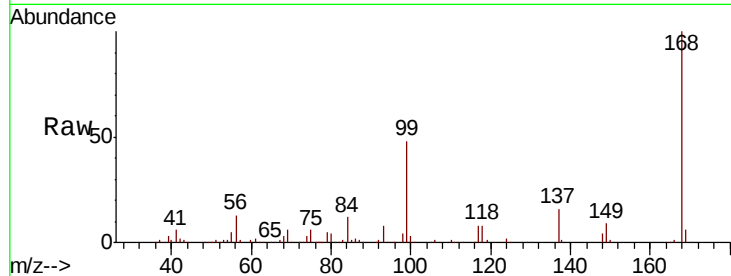




#31
Cyclohexane
Concen: 9.192 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW014005.D
Acq: 13 Nov 2019 14:32

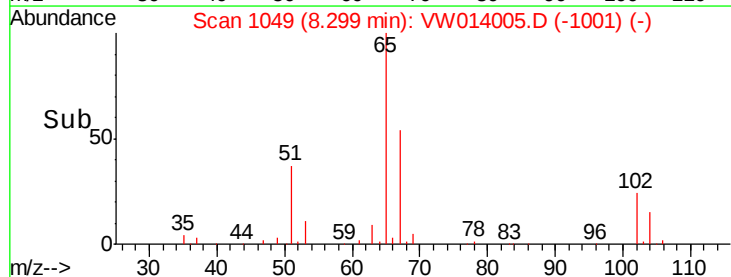
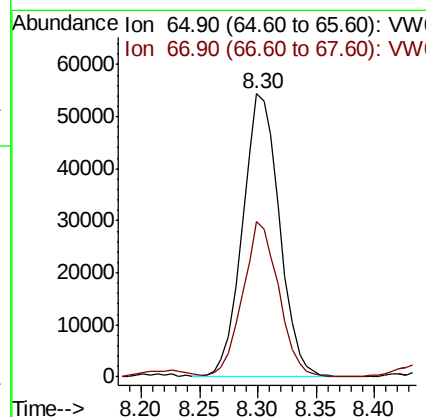
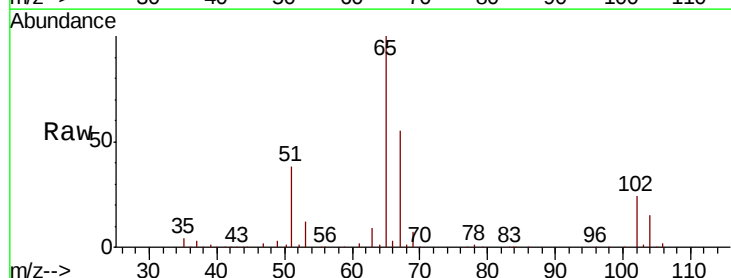
Instrument :
MSVOA_W
ClientSampled :
SB-35-(6-8)

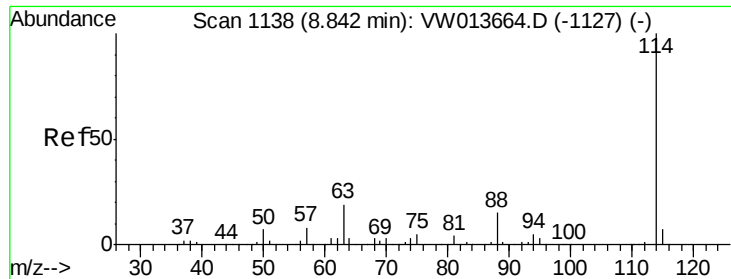
Tot Ion: 56 Resp: 41580
Ion Ratio Lower Upper
56 100
69 42.6 27.5 41.3#
84 90.8 70.8 106.2



#33
1,2-Dichloroethane-d4
Concen: 58.539 ug/l
RT: 8.30 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VW014005.D
Acq: 13 Nov 2019 14:32

Tgt Ion: 65 Resp: 119149
Ion Ratio Lower Upper
65 100
67 53.8 0.0 109.4

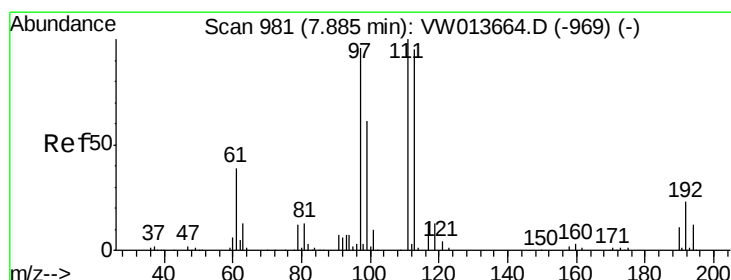
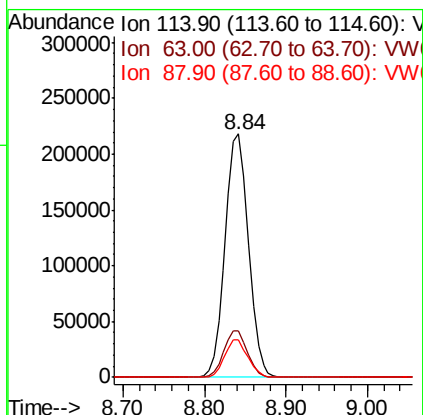
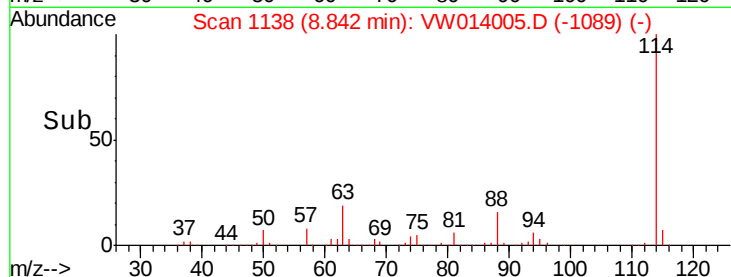
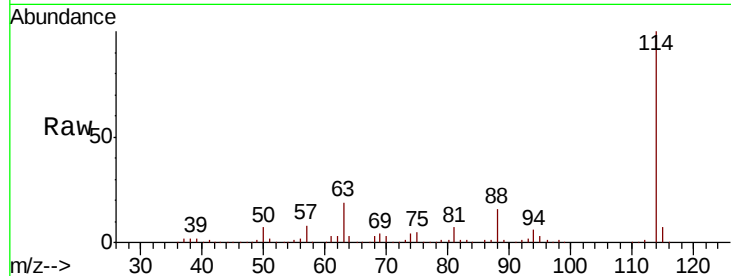




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW014005.D
Acq: 13 Nov 2019 14:32

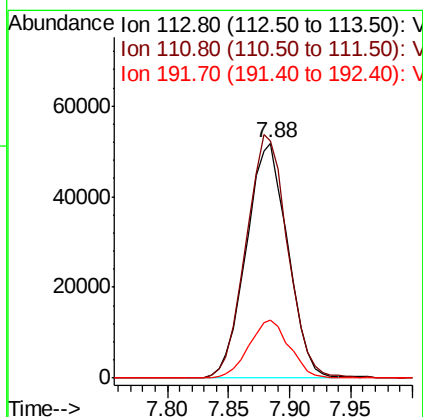
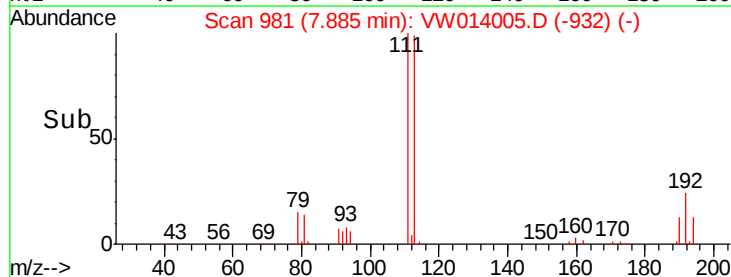
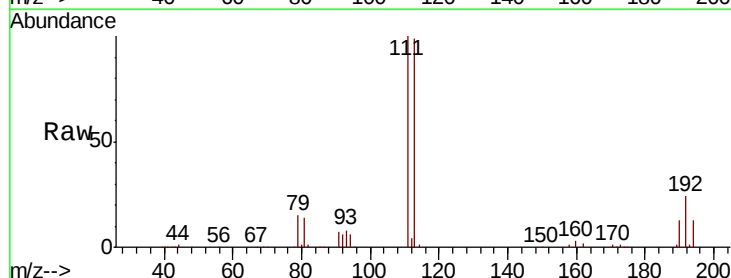
Instrument :
MSVOA_W
ClientSampled :
SB-35-(6-8)

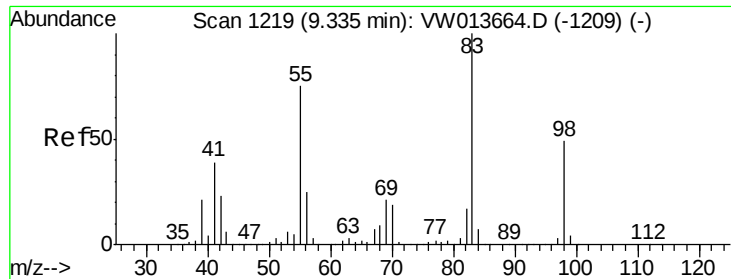
Tot Ion:114 Resp: 430284
Ion Ratio Lower Upper
114 100
63 18.9 0.0 37.6
88 15.6 0.0 30.2



#35
Dibromofluoromethane
Concen: 51.293 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW014005.D
Acq: 13 Nov 2019 14:32

Tgt Ion:113 Resp: 122635
Ion Ratio Lower Upper
113 100
111 103.5 83.0 124.6
192 24.0 19.4 29.2

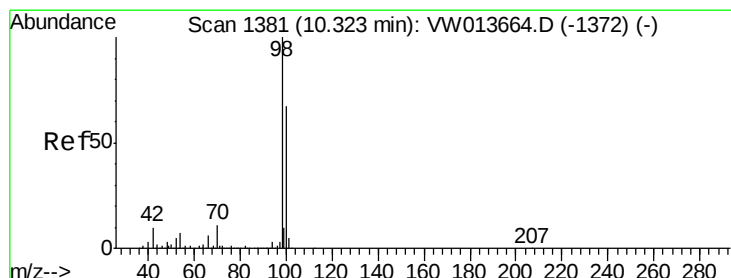
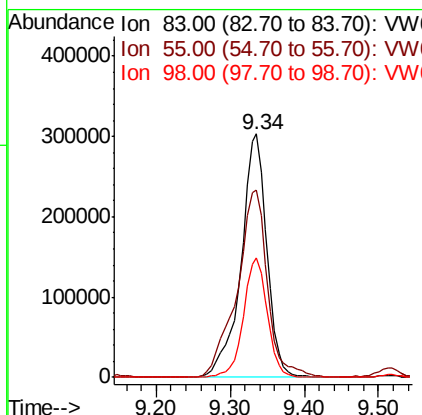
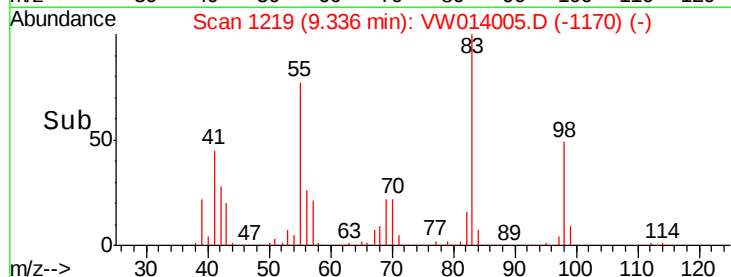
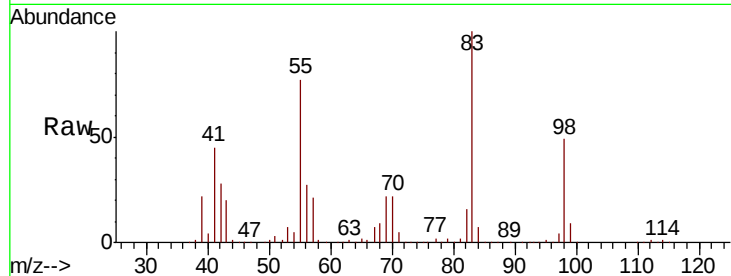




#39
Methylcyclohexane
Concen: 142.369 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW014005.D
Acq: 13 Nov 2019 14:32

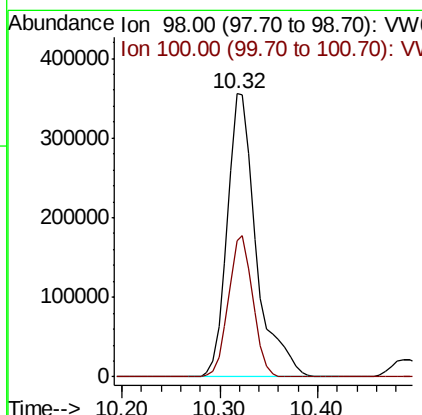
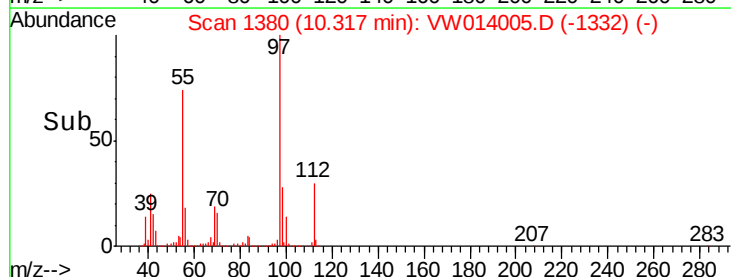
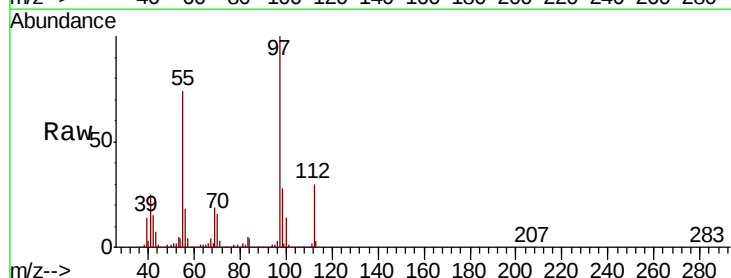
Instrument :
MSVOA_W
ClientSampleId :
SB-35-(6-8)

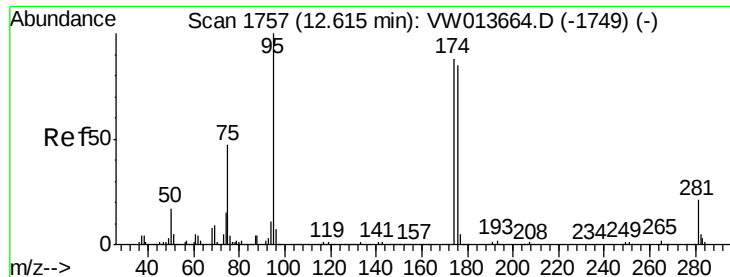
Tot Ion: 83 Resp: 736758
Ion Ratio Lower Upper
83 100
55 76.7 59.9 89.9
98 48.9 39.4 59.2



#50
Toluene-d8
Concen: 75.142 ug/l
RT: 10.32 min Scan# 1380
Delta R.T. -0.01 min
Lab File: VW014005.D
Acq: 13 Nov 2019 14:32

Tgt Ion: 98 Resp: 732058
Ion Ratio Lower Upper
98 100
100 41.9 53.4 80.0#





#62

4-Bromofluorobenzene

Concen: 187.235 ug/l

RT: 12.61 min Scan# 1756

Delta R.T. -0.01 min

Lab File: VW014005.D

Acq: 13 Nov 2019 14:32

Instrument :

MSVOA_W

ClientSampleId :

SB-35-(6-8)

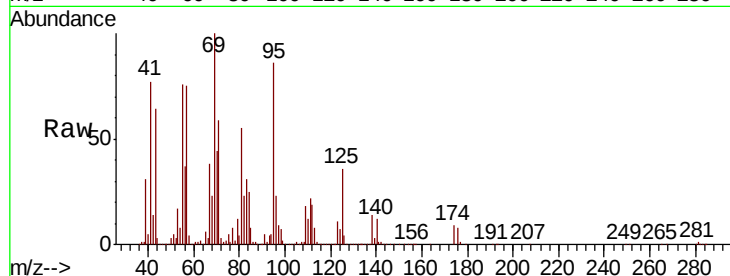
Tot Ion: 95 Resp: 617644

Ion Ratio Lower Upper

95 100

174 14.1 0.0 183.6

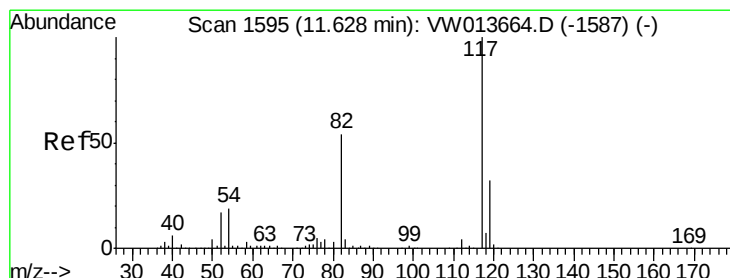
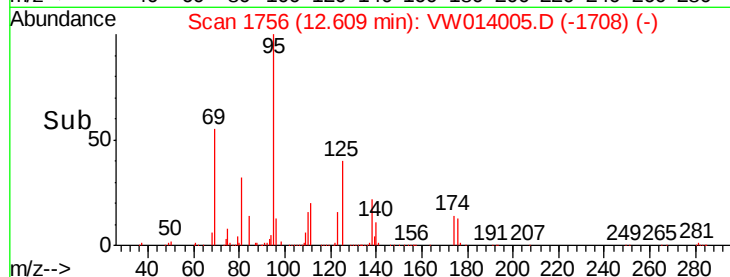
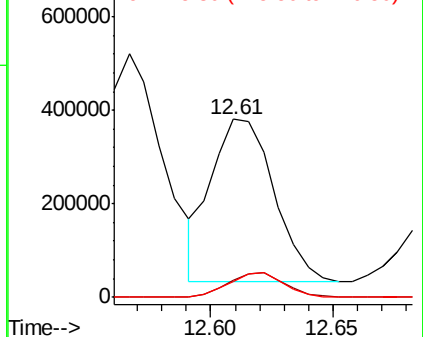
176 13.7 0.0 178.0



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: VW014005.D

Acq: 13 Nov 2019 14:32

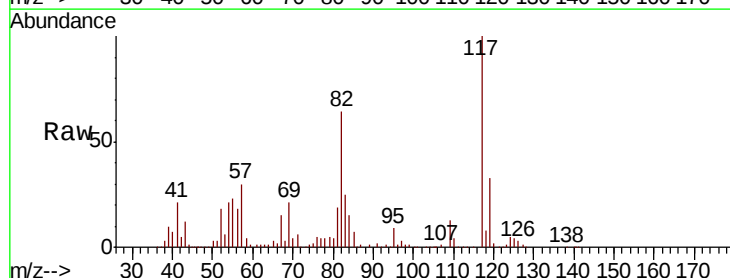
Tgt Ion: 117 Resp: 293202

Ion Ratio Lower Upper

117 100

82 48.2 43.6 65.4

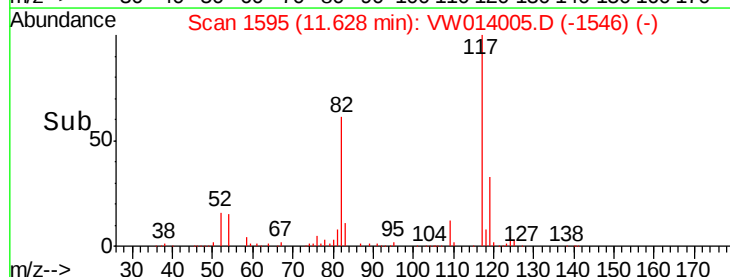
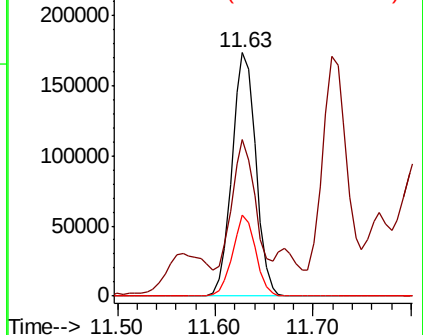
119 33.2 25.4 38.2

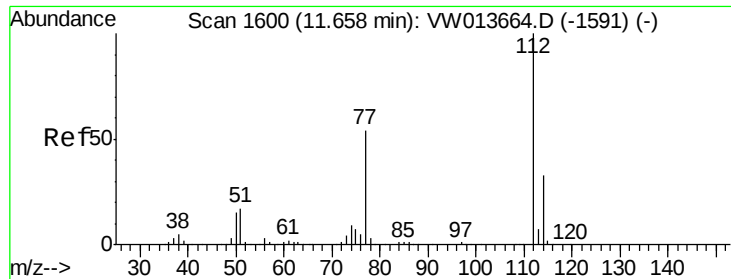


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#65

Chlorobenzene

Concen: 2.045 ug/l

RT: 11.55 min Scan# 1583

Delta R.T. -0.10 min

Lab File: VW014005.D

Acq: 13 Nov 2019 14:32

Instrument :

MSVOA_W

ClientSampleId :

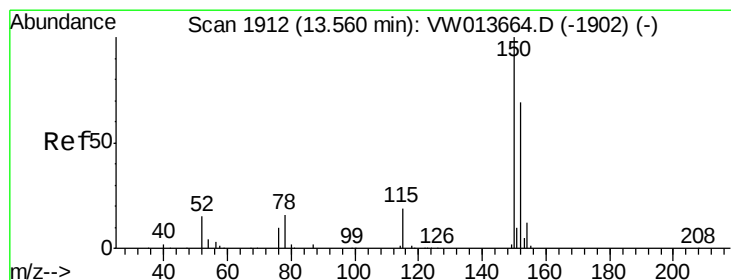
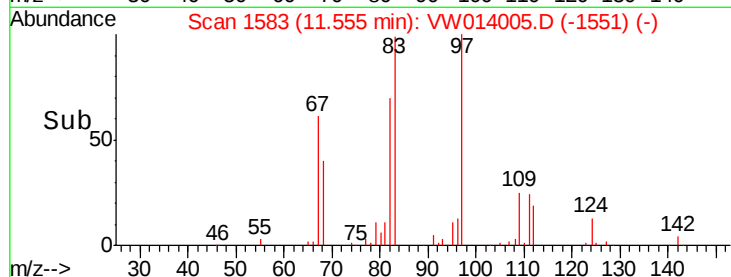
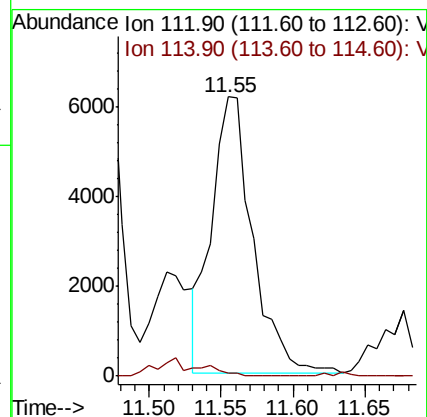
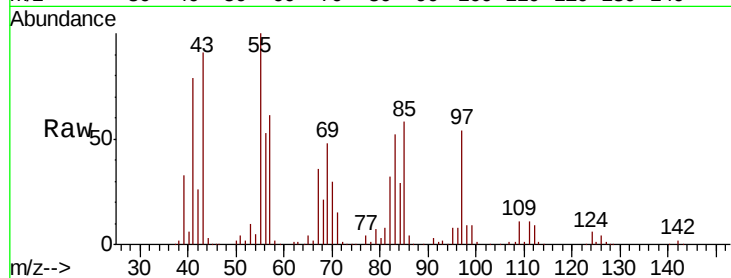
SB-35-(6-8)

Tot Ion:112 Resp: 12319

Ion Ratio Lower Upper

112 100

114 0.0 26.2 39.4#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.54 min Scan# 1909

Delta R.T. -0.02 min

Lab File: VW014005.D

Acq: 13 Nov 2019 14:32

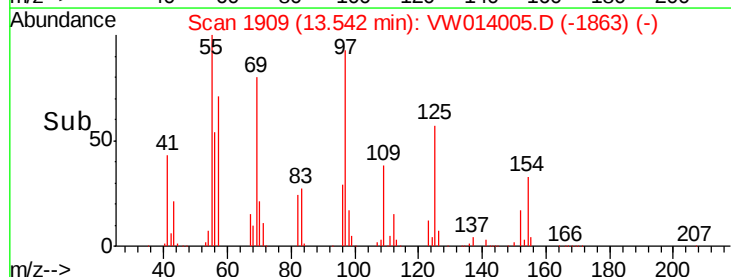
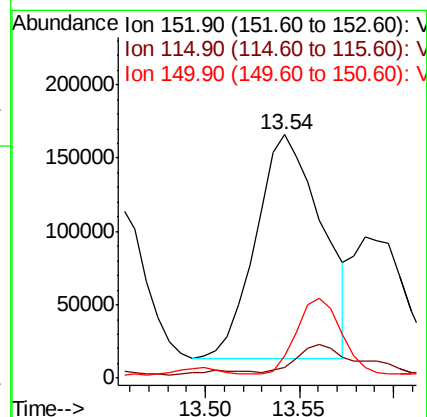
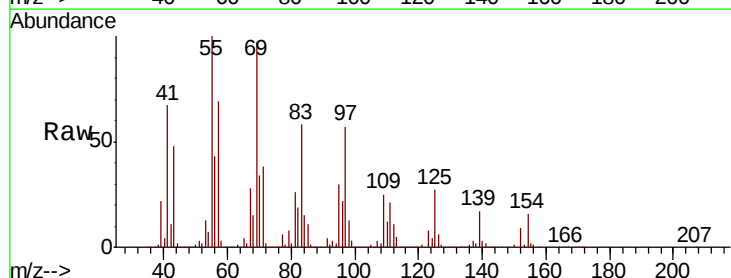
Tgt Ion:152 Resp: 369168

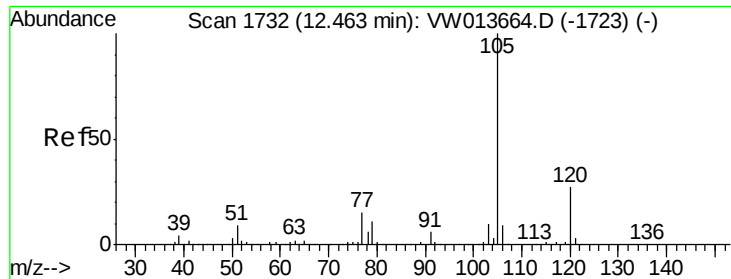
Ion Ratio Lower Upper

152 100

115 12.9 27.4 82.2#

150 23.4 0.0 345.4





#73

Isopropylbenzene

Concen: 4.101 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014005.D

Acq: 13 Nov 2019 14:32

Instrument :

MSVOA_W

ClientSampled :

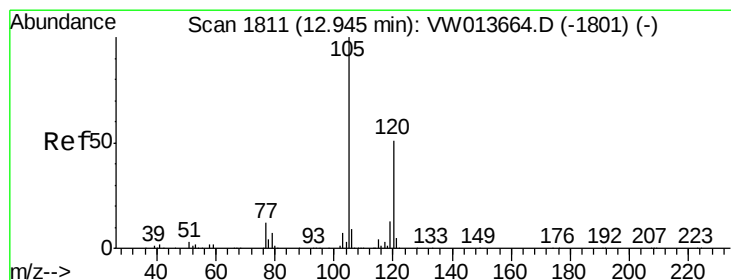
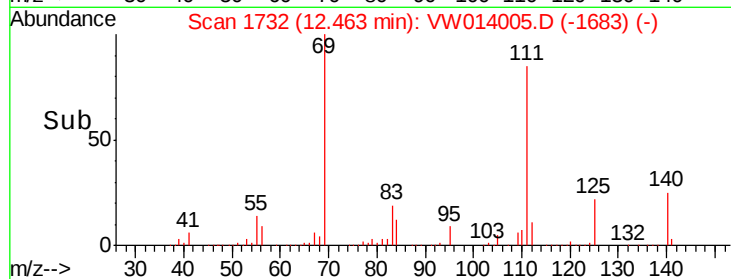
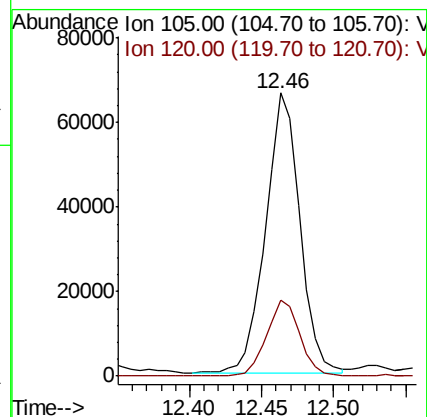
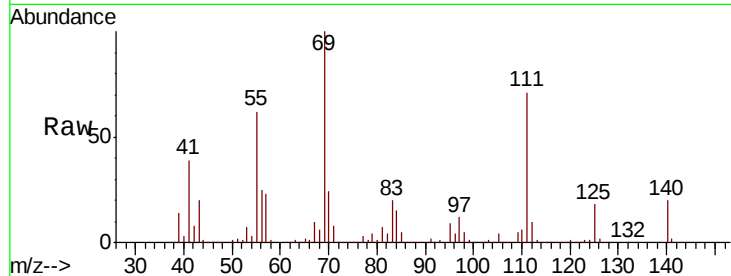
SB-35-(6-8)

Tot Ion:105 Resp: 108718

Ion Ratio Lower Upper

105 100

120 26.2 13.5 40.4



#80

1,3,5-Trimethylbenzene

Concen: 20.900 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW014005.D

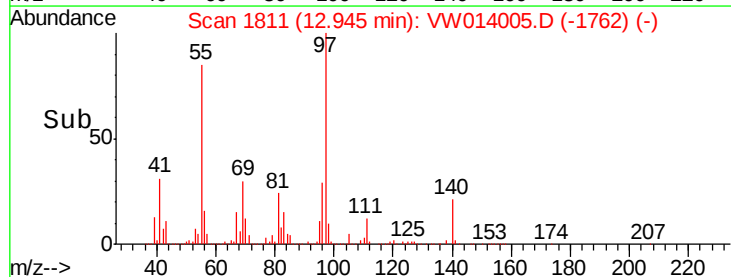
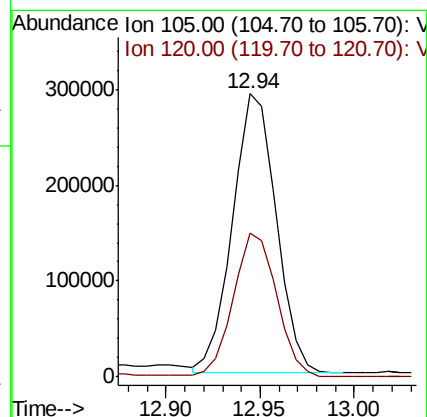
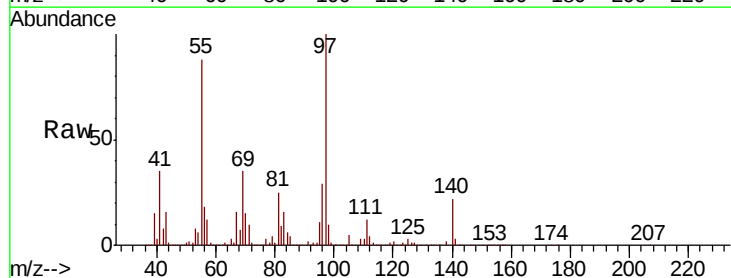
Acq: 13 Nov 2019 14:32

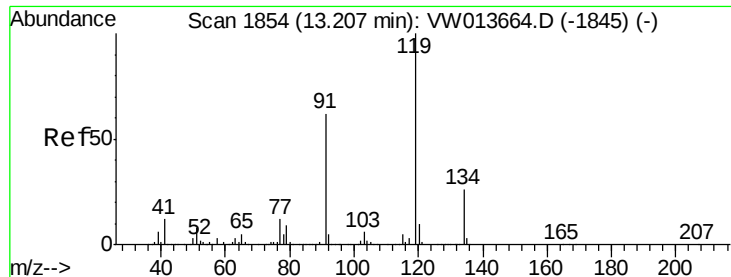
Tgt Ion:105 Resp: 467735

Ion Ratio Lower Upper

105 100

120 51.5 25.1 75.3

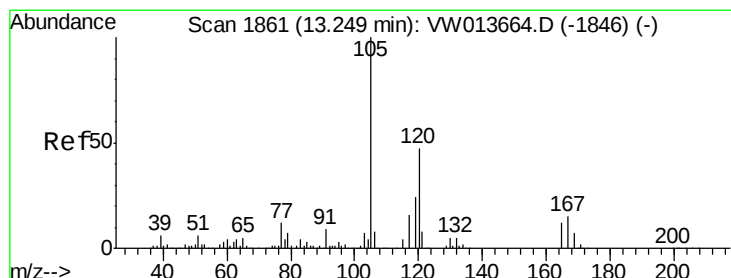
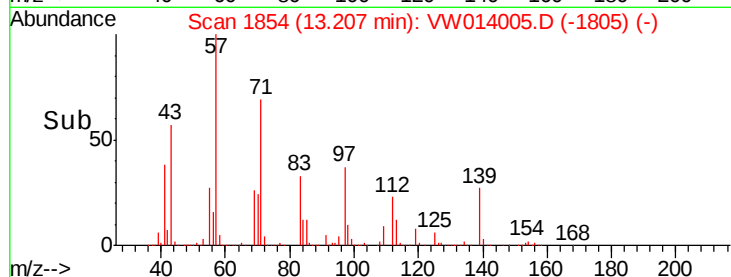
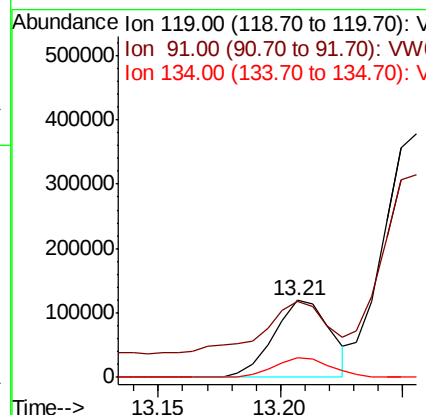
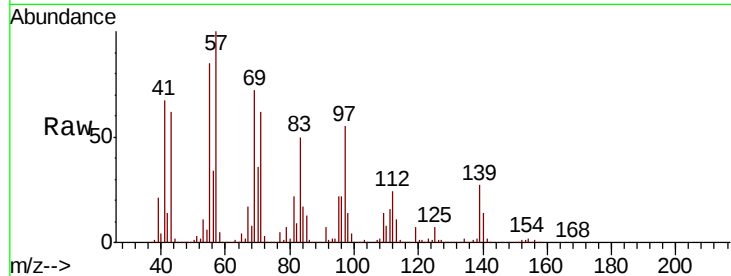




#83
 tert-Butylbenzene
 Concen: 9.645 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW014005.D
 Acq: 13 Nov 2019 14:32

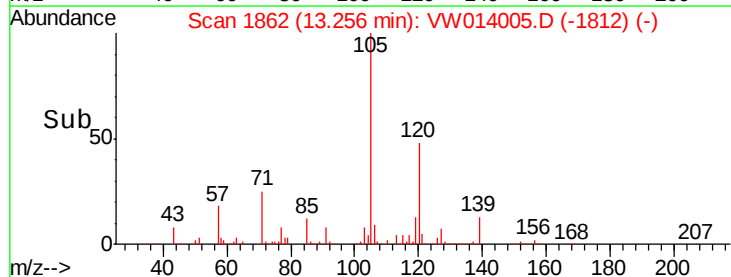
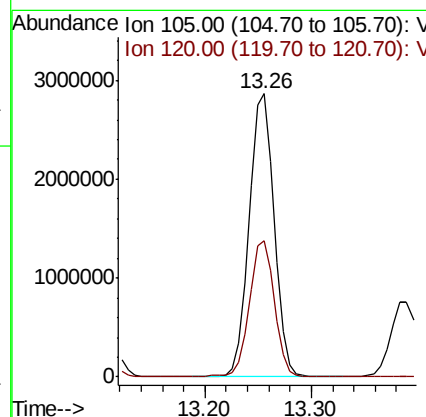
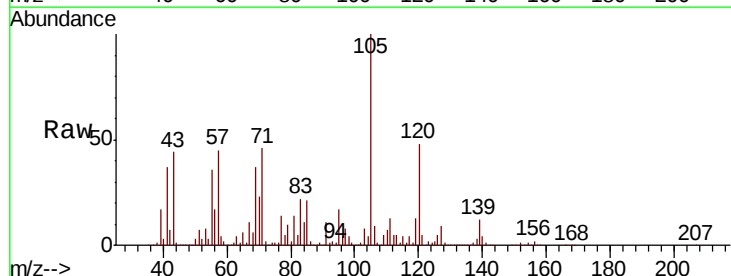
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-35-(6-8)

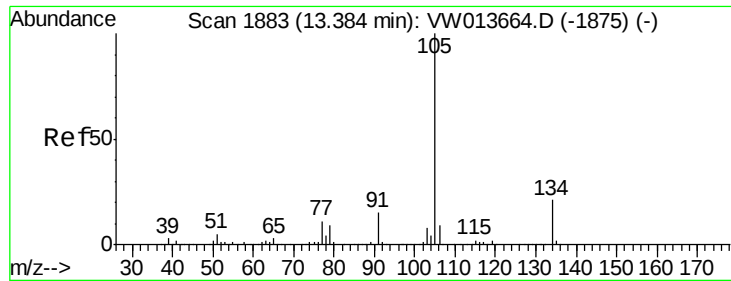
Tot Ion	Ratio	Lower	Upper
119	100		
91	78.1	30.4	91.3
134	25.9	13.6	40.8



#84
 1,2,4-Trimethylbenzene
 Concen: 213.051 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.01 min
 Lab File: VW014005.D
 Acq: 13 Nov 2019 14:32

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.3	23.5	70.5





#85

sec-Butylbenzene

Concen: 47.004 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW014005.D

Acq: 13 Nov 2019 14:32

Instrument :

MSVOA_W

ClientSampled :

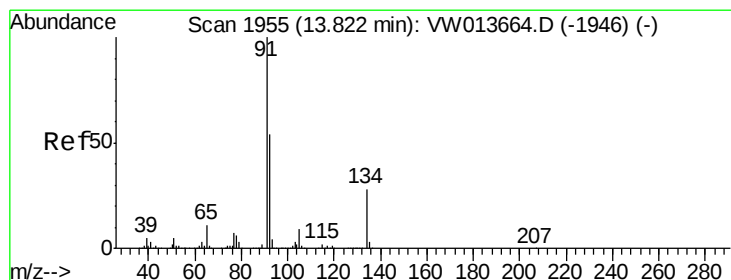
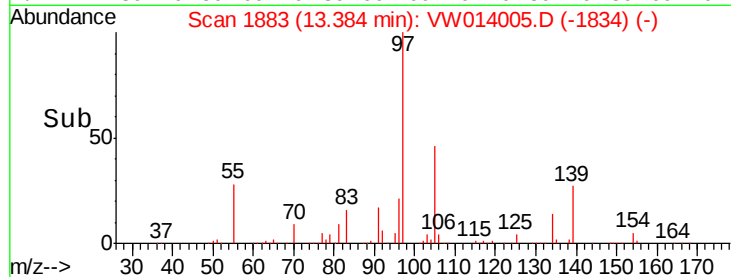
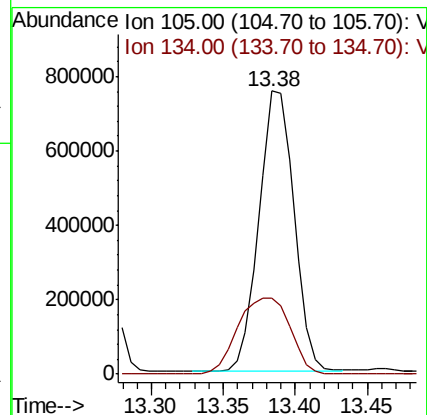
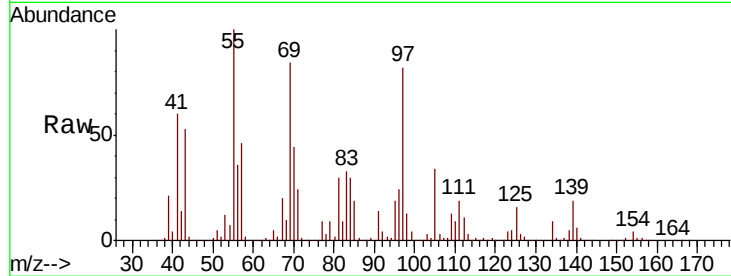
SB-35-(6-8)

Tot Ion:105 Resp: 1276858

Ion Ratio Lower Upper

105 100

134 40.6 10.5 31.5#



#89

n-Butylbenzene

Concen: 39.447 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.01 min

Lab File: VW014005.D

Acq: 13 Nov 2019 14:32

Tgt Ion: 91 Resp: 900991

Ion Ratio Lower Upper

91 100

92 67.4 27.5 82.4

134 0.0 14.0 41.9#

