

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092319\
 Data File : VW013261.D
 Acq On : 24 Sep 2019 06:22
 Operator : SY/VA
 Sample : K5008-01
 Misc : 6.00G/5ML/MSVOA W/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-1

Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 12:35:48 AM

Quant Time: Sep 24 08:53:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.94	168	294687	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	470682	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	353134	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.54	152	451695	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	142004	59.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.08%	
35) Dibromofluoromethane	7.88	113	135426	52.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.62%	
50) Toluene-d8	10.32	98	1461313	134.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	269.76%	
62) 4-Bromofluorobenzene	12.62	95	957872	258.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	517.64%	
Target Compounds						
					Qvalue	
31) Cyclohexane	7.95	56	1607886	308.422	ug/l	90
39) Methylcyclohexane	9.34	83	8568258	1462.494	ug/l	99
40) Benzene	8.32	78	379086	29.812	ug/l	100
52) Toluene	10.38	92	107314	13.168	ug/l	93
67) Ethyl Benzene	11.73	91	12654114	947.082	ug/l	92
68) m/p-Xylenes	11.85	106	4007790	787.163	ug/l	98
69) o-Xylene	12.16	106	357734	75.573	ug/l	87
73) Isopropylbenzene	12.47	105	5953119	178.413	ug/l	99
78) n-propylbenzene	12.81	91	13065082	334.511	ug/l	96
80) 1,3,5-Trimethylbenzene	12.90	105	14863810	529.932	ug/l	77
83) tert-Butylbenzene	13.21	119	408845	16.607	ug/l	81
84) 1,2,4-Trimethylbenzene	13.24	105	23806829m	852.963	ug/l	
85) sec-Butylbenzene	13.39	105	8215322	242.046	ug/l	81
86) p-Isopropyltoluene	13.51	119	6273821	199.291	ug/l	98
89) n-Butylbenzene	13.83	91	8216047	285.824	ug/l #	67
95) Naphthalene	15.36	128	9736304	631.025	ug/l	99

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

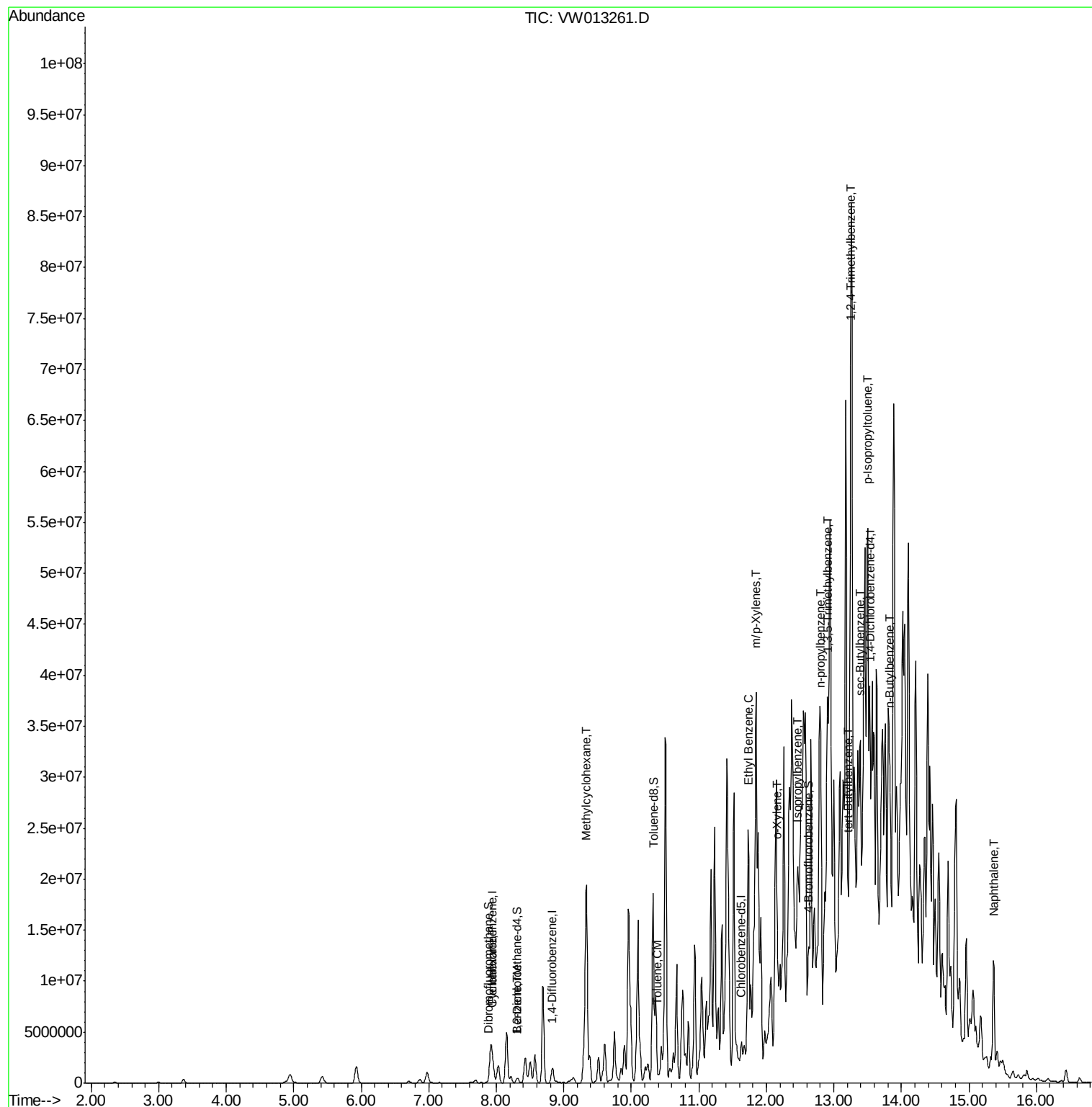
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092319\
Data File : VW013261.D
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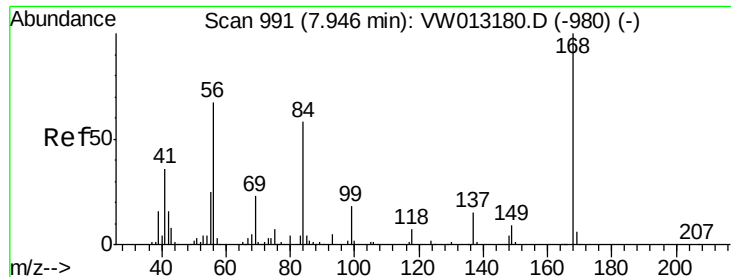
Instrument :
MSVOA_W
ClientSampleId :
SB-1

Quant Time: Sep 24 08:53:57 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 20 15:58:08 2019
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Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW013261.D

Acq: 24 Sep 2019 06:22

Instrument :

MSVOA_W

ClientSampleId :

SB-1

Tot Ion:168 Resp: 294687

Ion Ratio Lower Upper

168 100

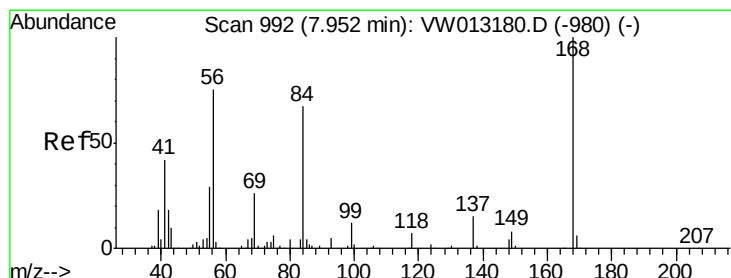
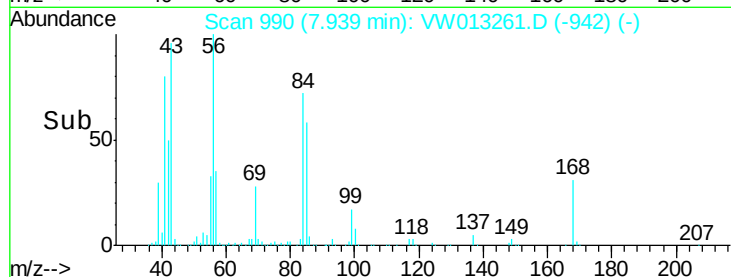
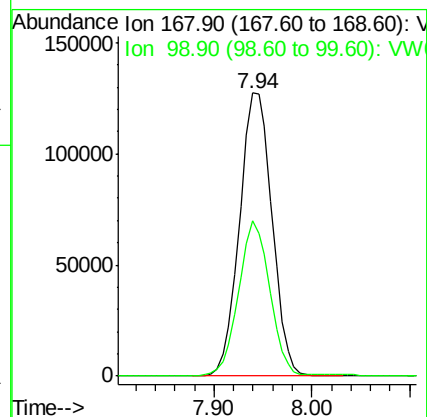
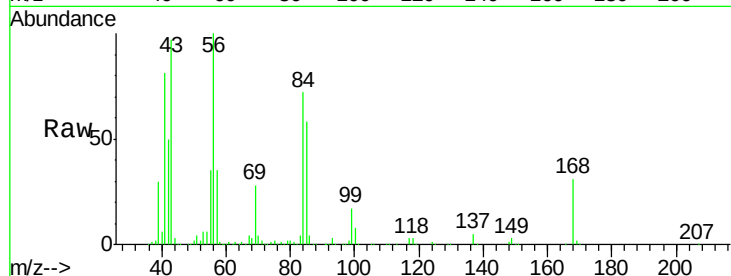
99 54.7 40.2 60.4

Manual Integrations

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#31

Cyclohexane

Concen: 308.422 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW013261.D

Acq: 24 Sep 2019 06:22

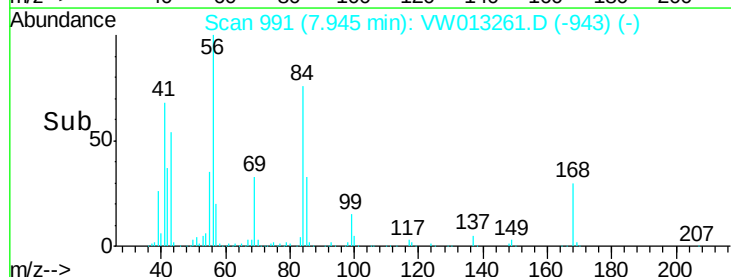
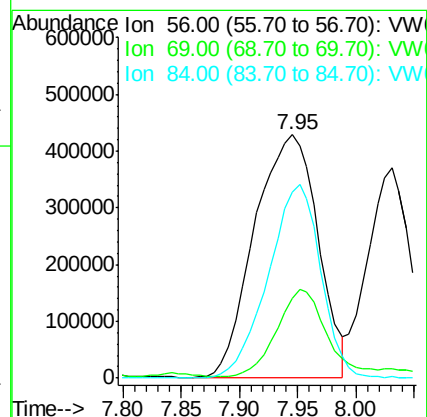
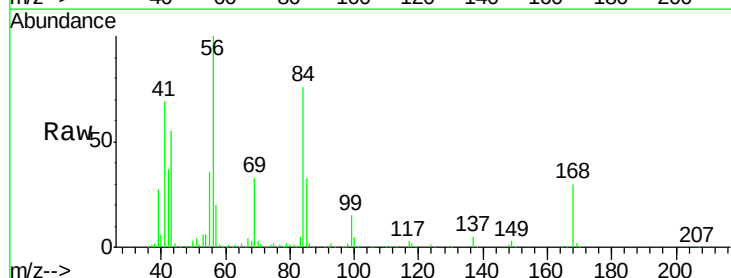
Tgt Ion: 56 Resp: 1607886

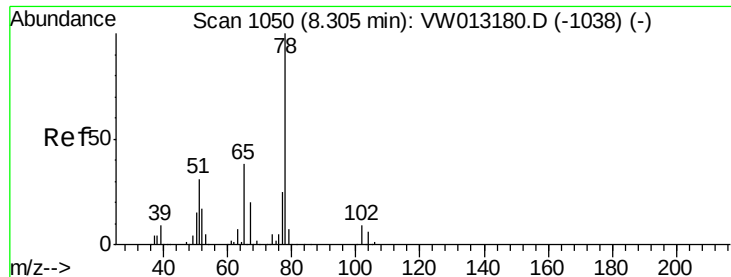
Ion Ratio Lower Upper

56 100

69 31.7 27.2 40.8

84 76.5 70.8 106.2





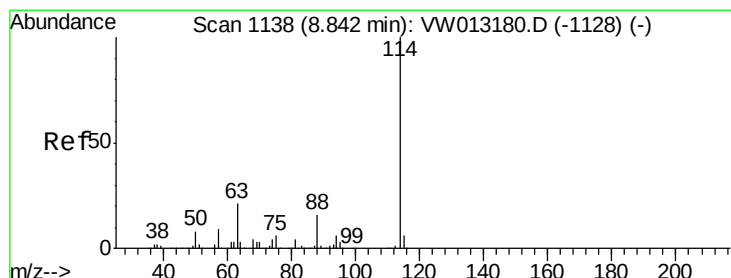
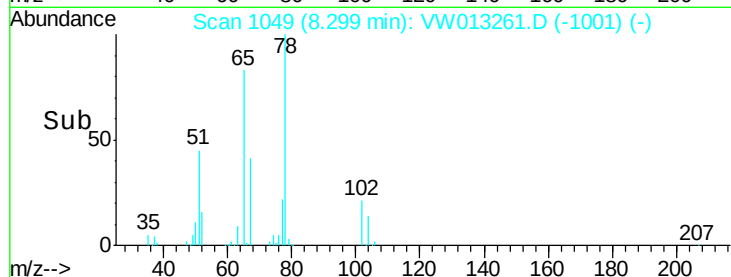
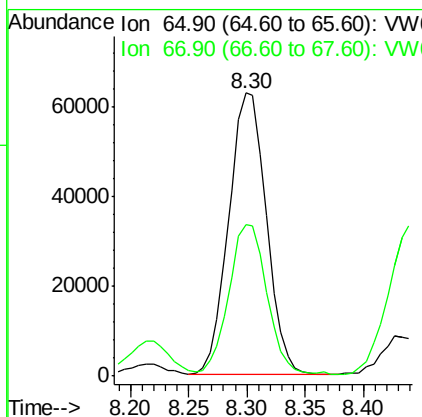
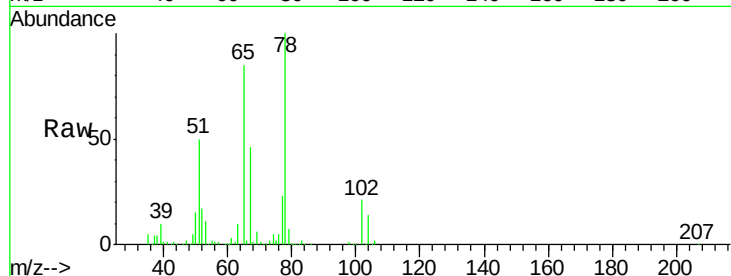
#33
 1,2-Dichloroethane-d4
 Concen: 59.043 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW013261.D
 Acq: 24 Sep 2019 06:22

Instrument :
 MSVOA_W
 ClientSampled :
 SB-1

Tot Ion	Ratio	Resp	Lower	Upper
65	100	142004		
67	53.4	0.0	106.2	

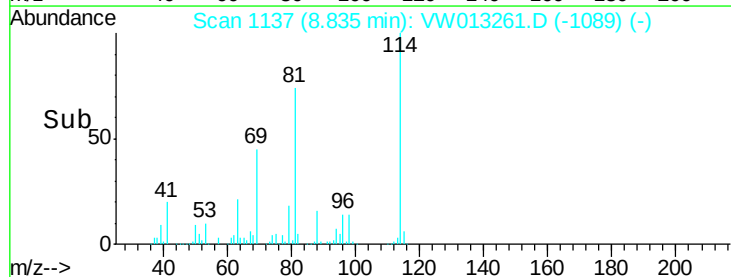
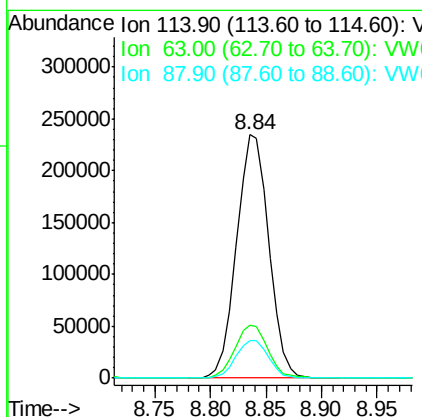
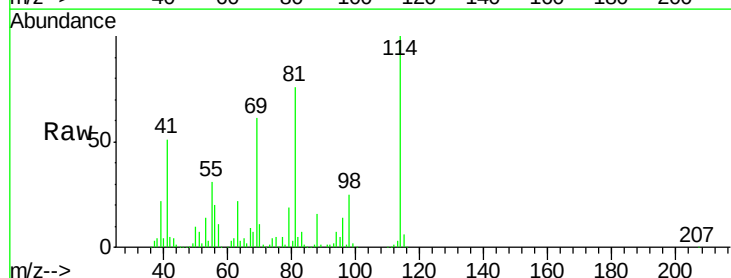
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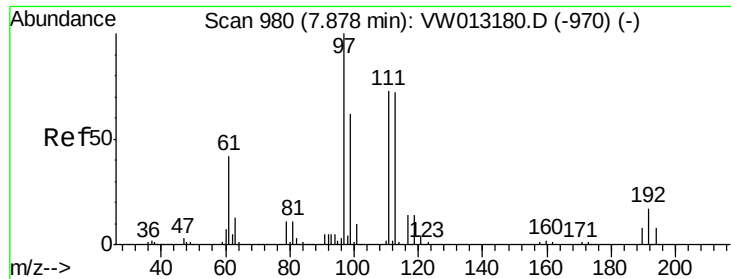
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW013261.D
 Acq: 24 Sep 2019 06:22

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	470682		
63	21.9	0.0	41.4	
88	15.5	0.0	32.0	





#35

Dibromofluoromethane

Concen: 52.313 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW013261.D

Acq: 24 Sep 2019 06:22

Instrument :

MSVOA_W

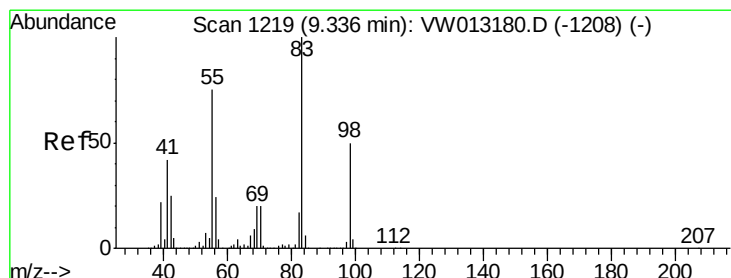
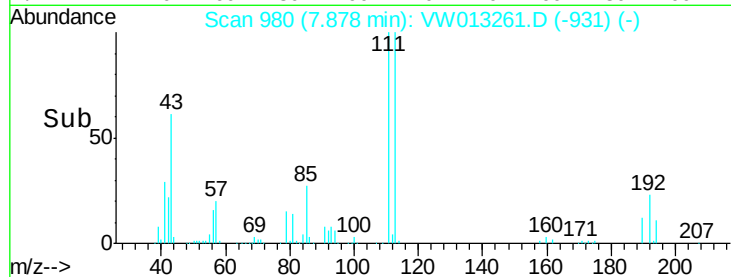
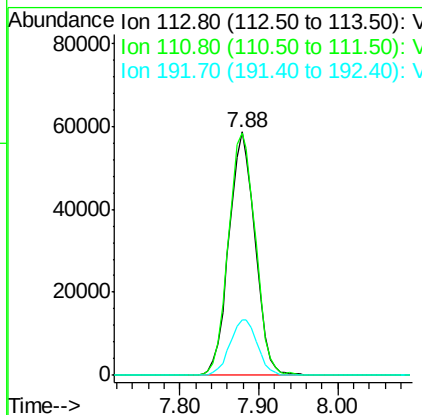
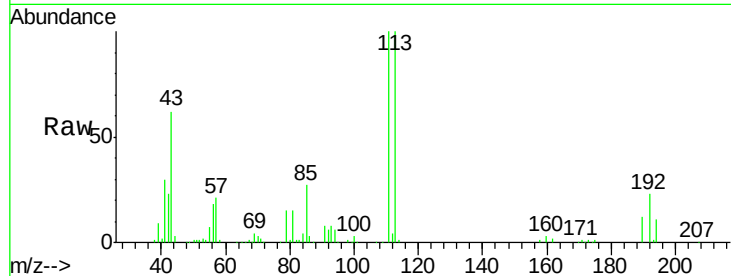
ClientSampled :

SB-1

Tot Ion:	113	Resp:	135426
Ion Ratio	Lower	Upper	
113	100		
111	102.6	81.9	122.9
192	23.7	19.1	28.7

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#39

Methylcyclohexane

Concen: 1462.494 ug/l

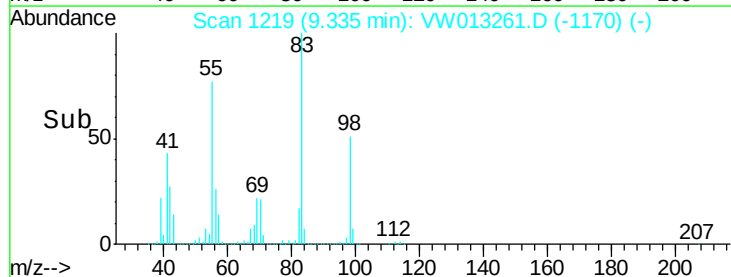
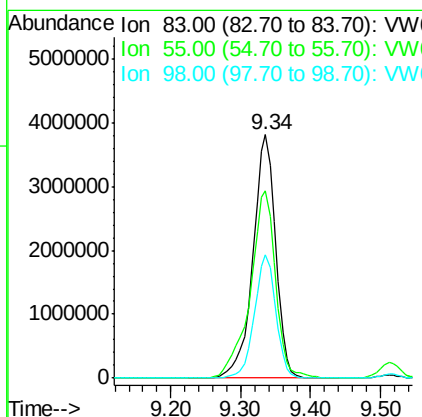
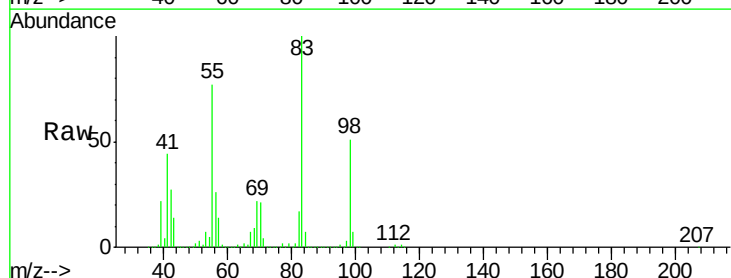
RT: 9.34 min Scan# 1219

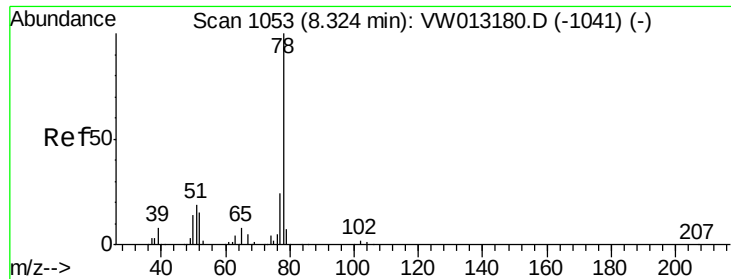
Delta R.T. -0.00 min

Lab File: VW013261.D

Acq: 24 Sep 2019 06:22

Tgt Ion:	83	Resp:	8568258
Ion Ratio	Lower	Upper	
83	100		
55	77.0	60.4	90.6
98	50.6	40.0	60.0





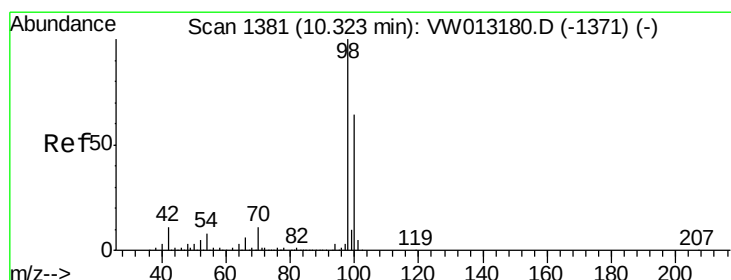
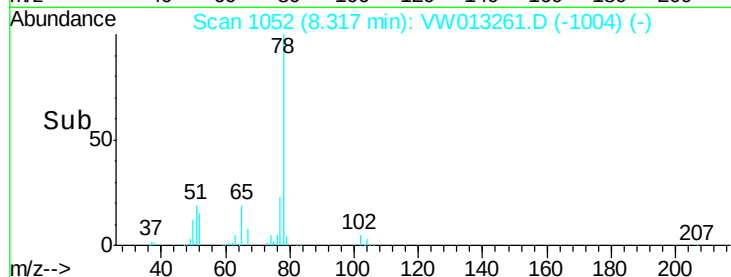
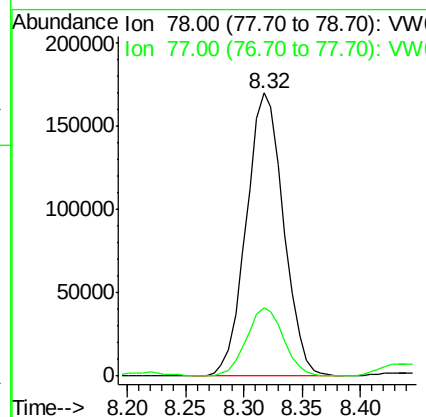
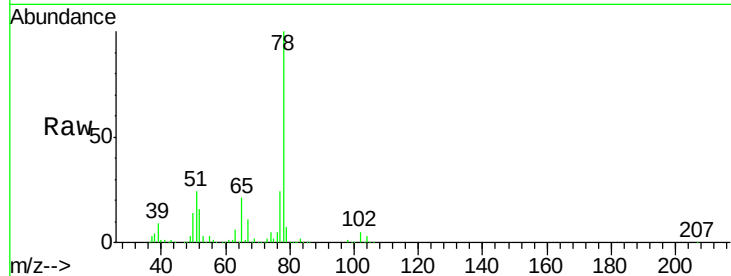
#40
Benzene
Concen: 29.812 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW013261.D
Acq: 24 Sep 2019 06:22

Instrument :
MSVOA_W
ClientSampleId :
SB-1

Tot Ion: 78 Resp: 379086
Ion Ratio Lower Upper
78 100
77 24.1 19.1 28.7

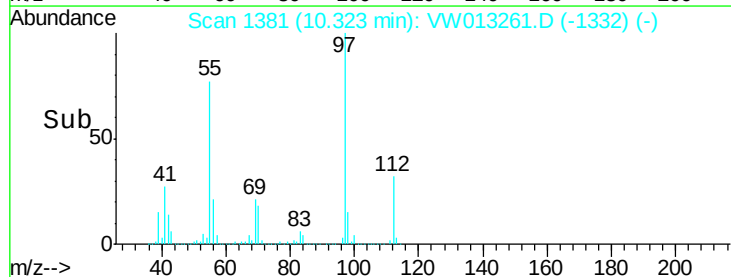
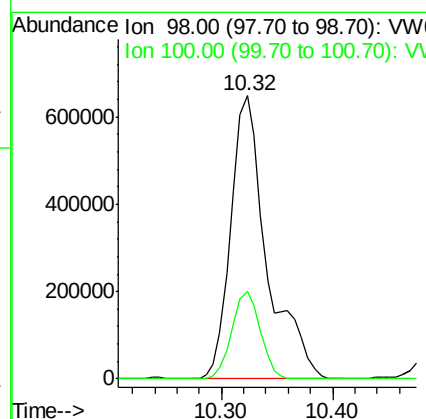
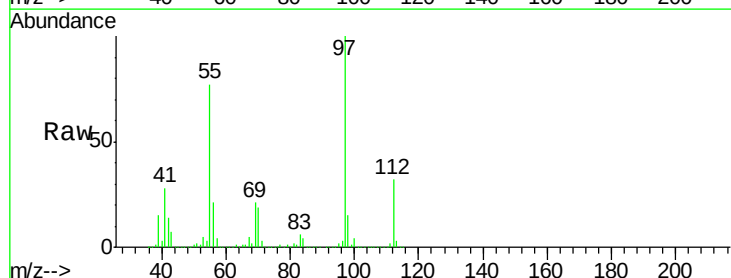
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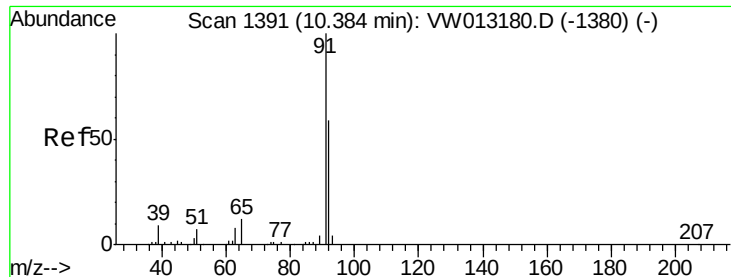
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#50
Toluene-d8
Concen: 134.879 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013261.D
Acq: 24 Sep 2019 06:22

Tgt Ion: 98 Resp: 1461313
Ion Ratio Lower Upper
98 100
100 24.2 52.9 79.3#





#52

Toluene

Concen: 13.168 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013261.D

Acq: 24 Sep 2019 06:22

Instrument :

MSVOA_W

ClientSampleId :

SB-1

Tot Ion: 92 Resp: 107314

Ion Ratio Lower Upper

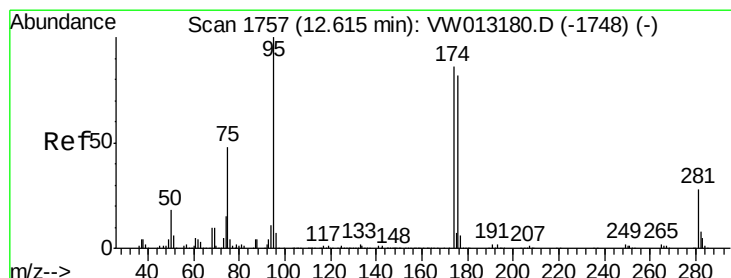
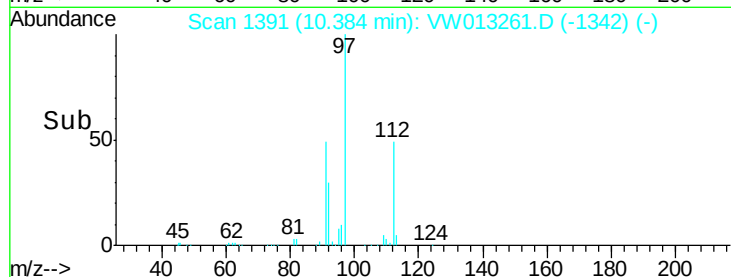
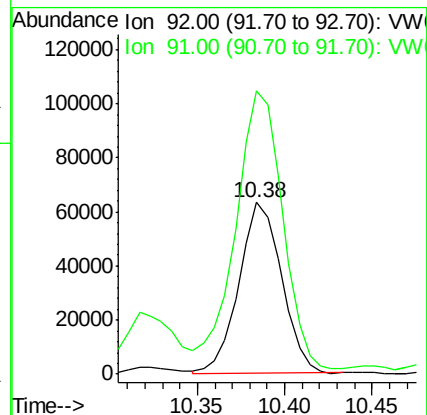
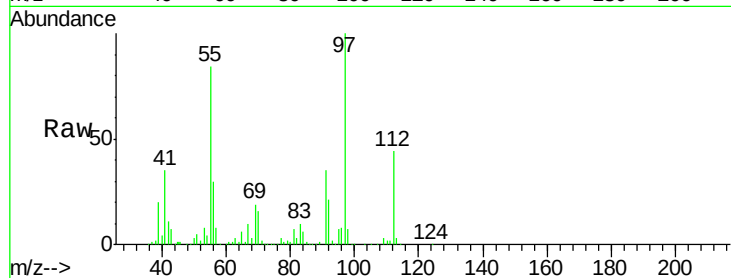
92 100

91 178.6 135.7 203.5

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#62

4-Bromofluorobenzene

Concen: 258.823 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013261.D

Acq: 24 Sep 2019 06:22

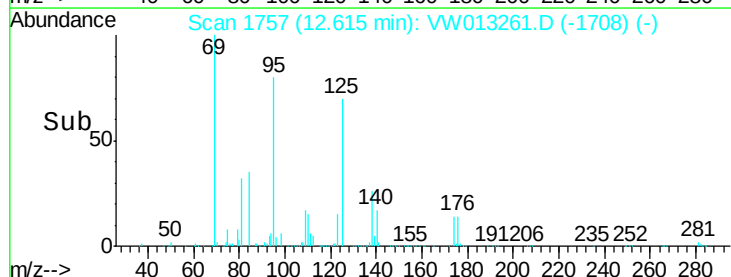
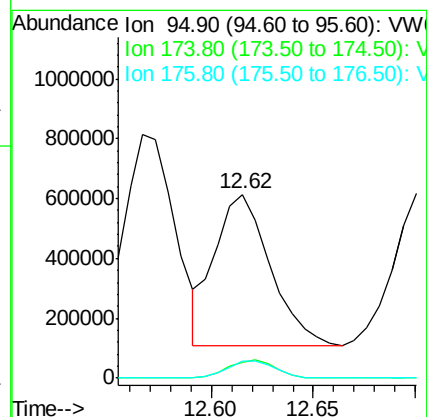
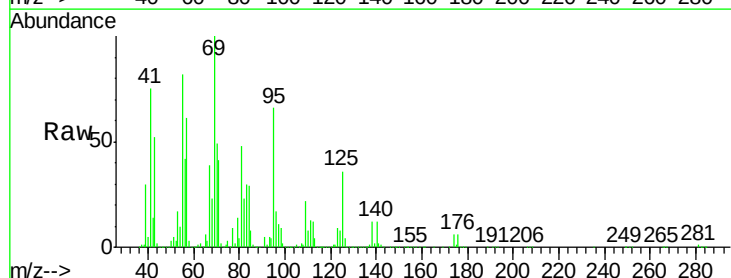
Tgt Ion: 95 Resp: 957872

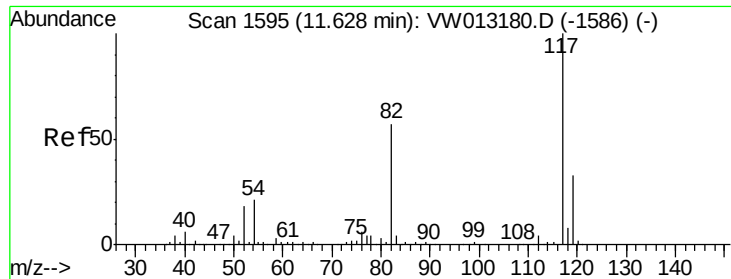
Ion Ratio Lower Upper

95 100

174 10.2 0.0 178.4

176 9.7 0.0 172.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.00 min

Lab File: VW013261.D

Acq: 24 Sep 2019 06:22

Instrument :

MSVOA_W

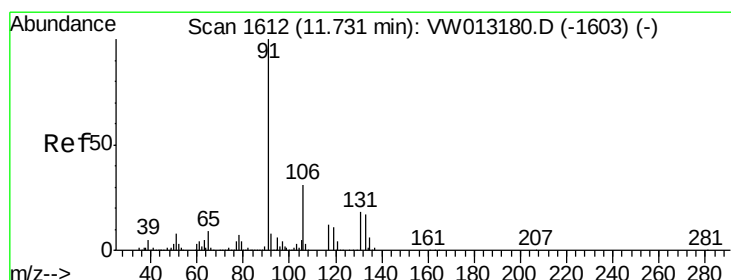
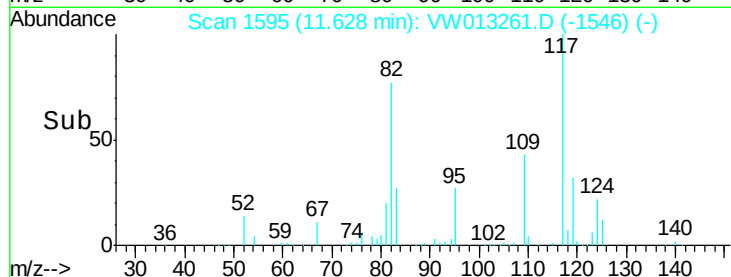
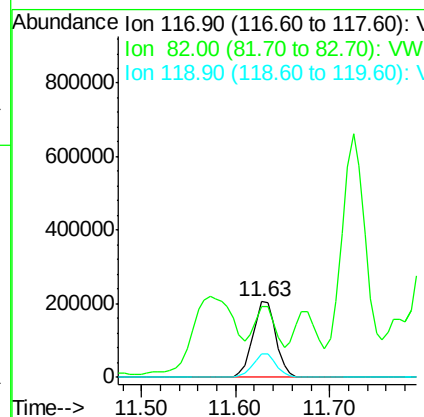
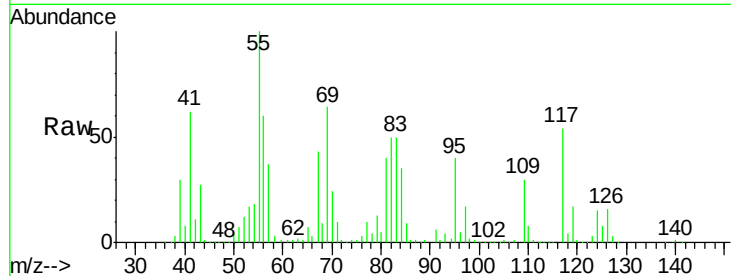
ClientSampled :

SB-1

Tot Ion	Ratio	Lower	Upper
117	100		
82	32.4	45.9	68.9#
119	31.6	26.2	39.2

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#67

Ethyl Benzene

Concen: 947.082 ug/l

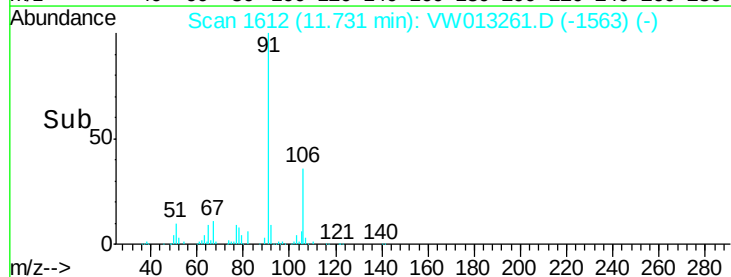
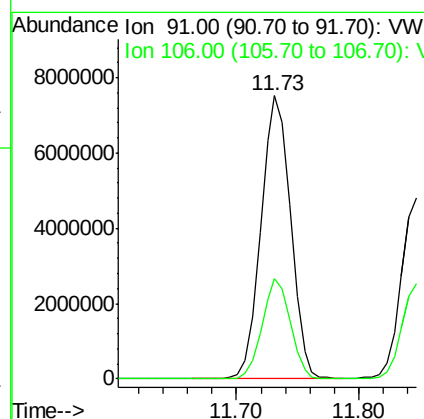
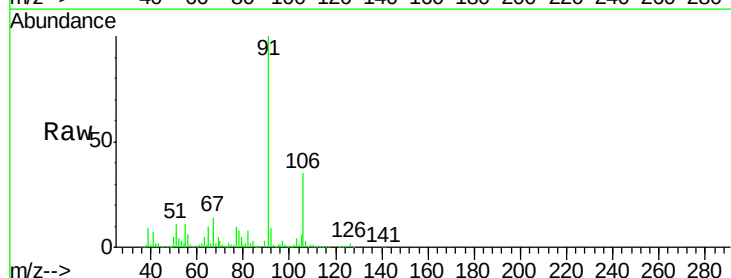
RT: 11.73 min Scan# 1612

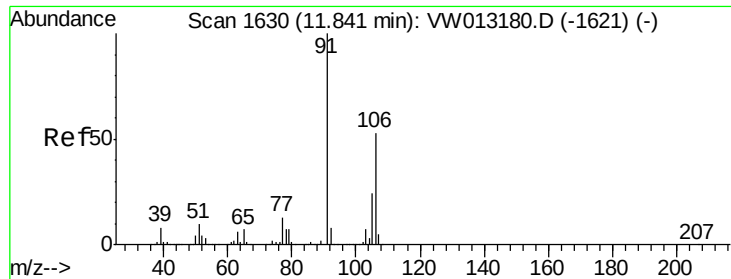
Delta R.T. -0.00 min

Lab File: VW013261.D

Acq: 24 Sep 2019 06:22

Tgt Ion	Ratio	Lower	Upper
91	100		
106	35.4	24.9	37.3





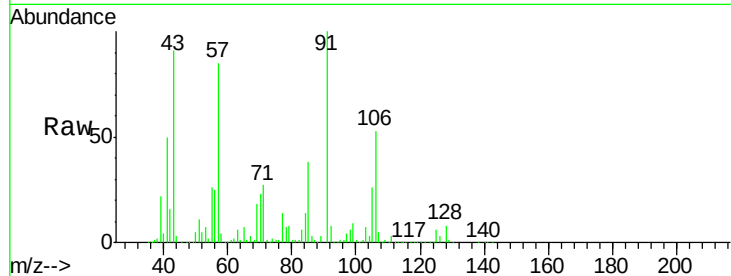
#68
m/p-Xylenes
Concen: 787.163 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VW013261.D
Acq: 24 Sep 2019 06:22

Instrument :
MSVOA_W
ClientSampled :
SB-1

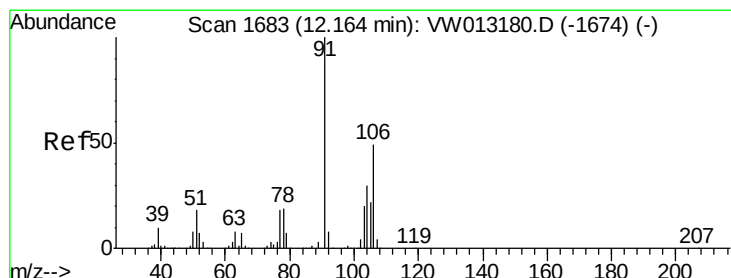
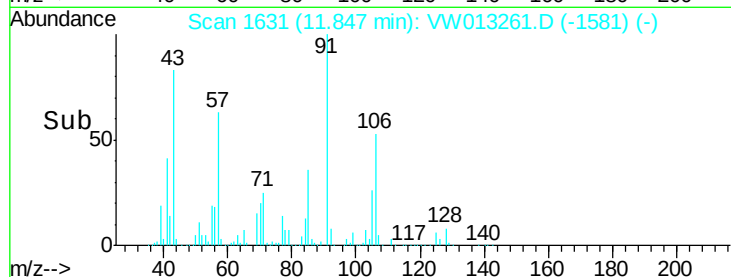
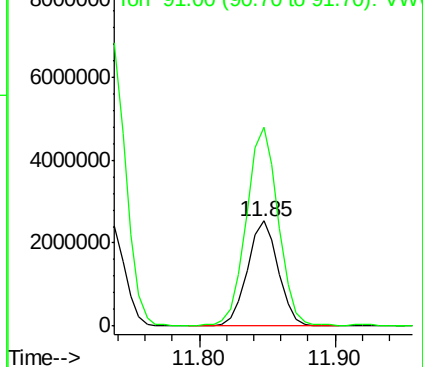
Tot Ion:106 Resp: 4007790
Ion Ratio Lower Upper
106 100
91 194.1 157.9 236.9

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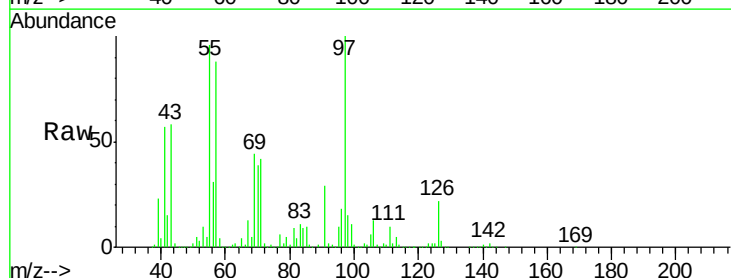


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

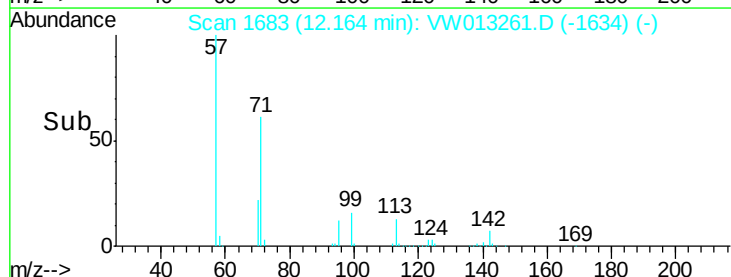
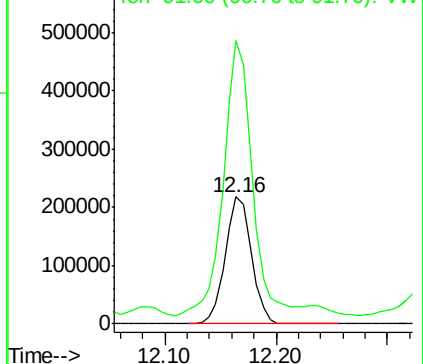


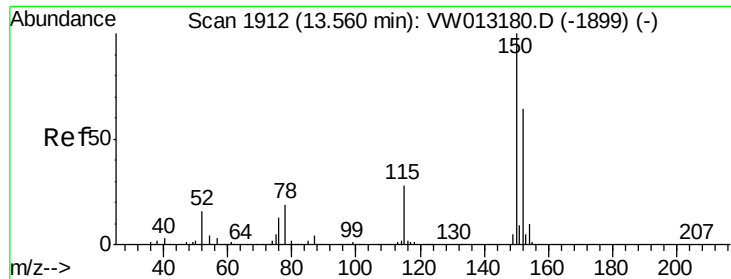
#69
o-Xylene
Concen: 75.573 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013261.D
Acq: 24 Sep 2019 06:22

Tgt Ion:106 Resp: 357734
Ion Ratio Lower Upper
106 100
91 233.5 106.5 319.5



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: 13.54 min Scan# 1909

Delta R.T. -0.02 min

Lab File: VW013261.D

Acq: 24 Sep 2019 06:22

Instrument :

MSVOA_W

ClientSampleId :

SB-1

Tot Ion:152 Resp: 451695

Ion Ratio Lower Upper

152 100

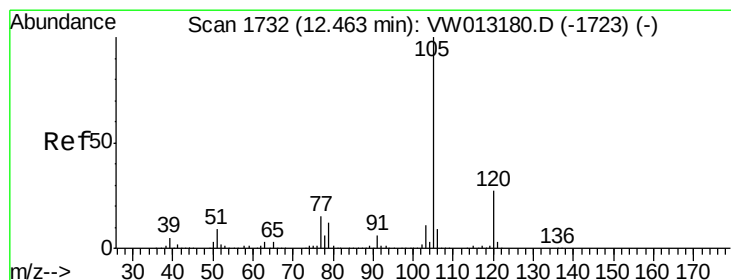
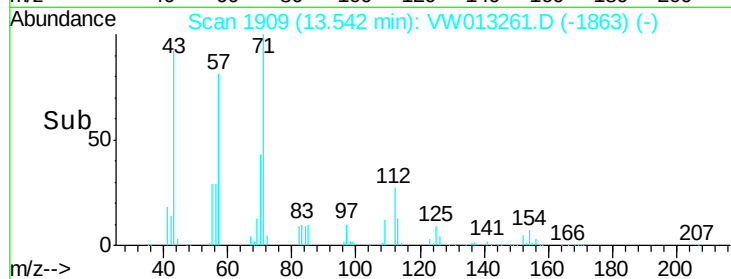
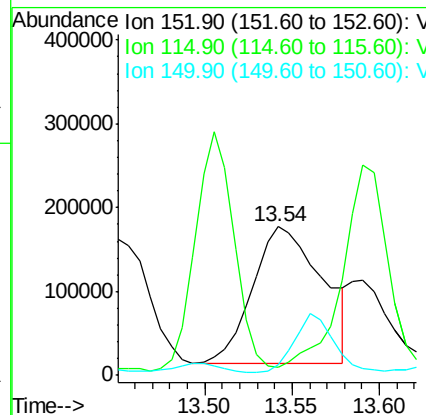
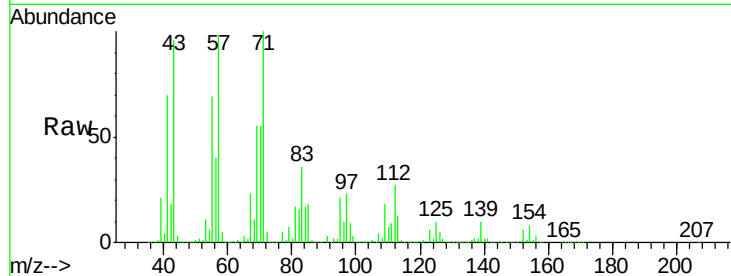
115 0.0 27.3 81.9#

150 24.1 0.0 349.0

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#73

Isopropylbenzene

Concen: 178.413 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW013261.D

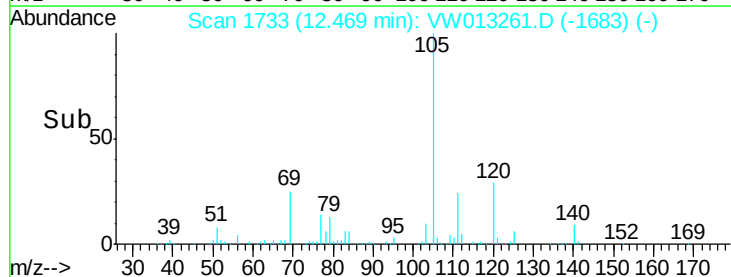
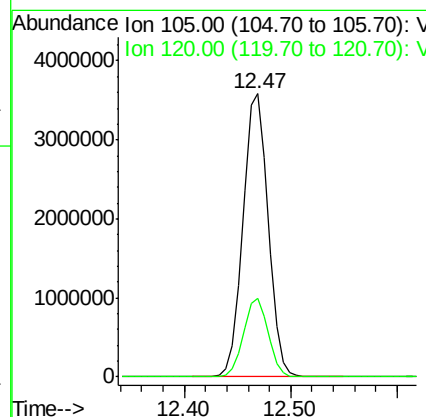
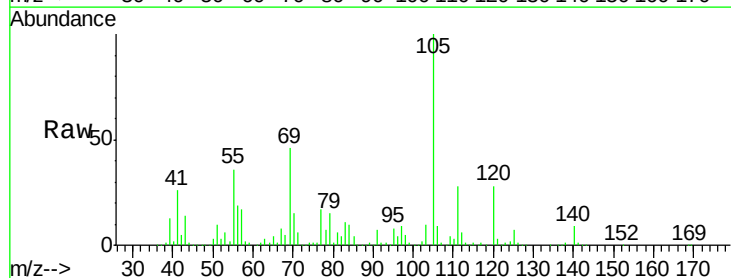
Acq: 24 Sep 2019 06:22

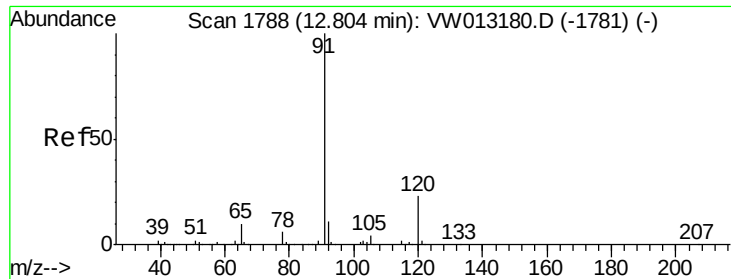
Tgt Ion:105 Resp: 5953119

Ion Ratio Lower Upper

105 100

120 27.1 13.4 40.1





#78

n-propylbenzene

Concen: 334.511 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.01 min

Lab File: VW013261.D

Acq: 24 Sep 2019 06:22

Instrument :

MSVOA_W

ClientSampled :

SB-1

Tot Ion: 91 Resp:13065082

Ion Ratio Lower Upper

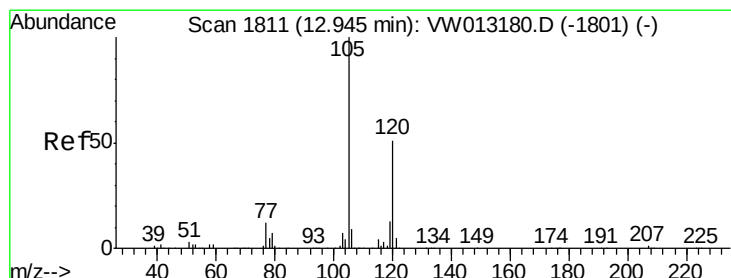
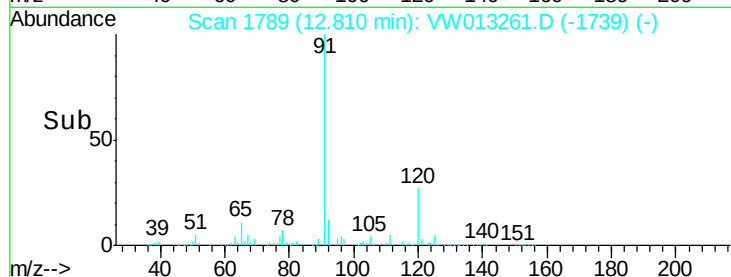
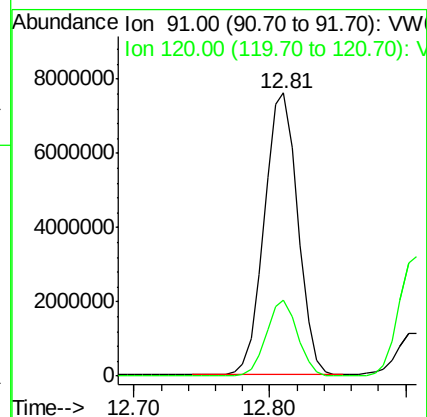
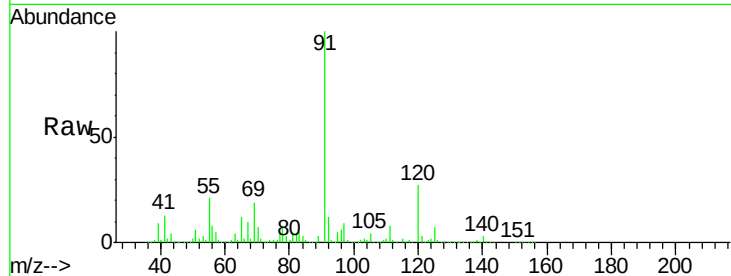
91 100

120 25.2 11.7 35.1

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#80

1,3,5-Trimethylbenzene

Concen: 529.932 ug/l

RT: 12.90 min Scan# 1804

Delta R.T. -0.04 min

Lab File: VW013261.D

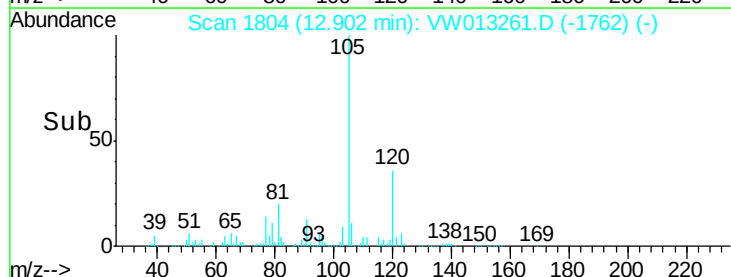
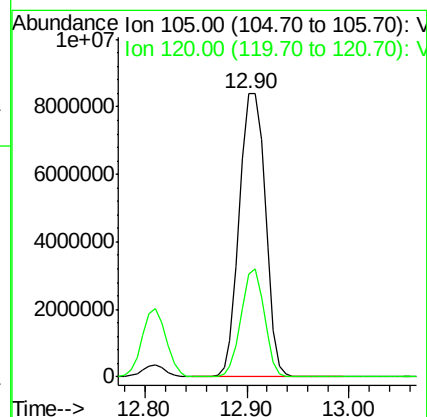
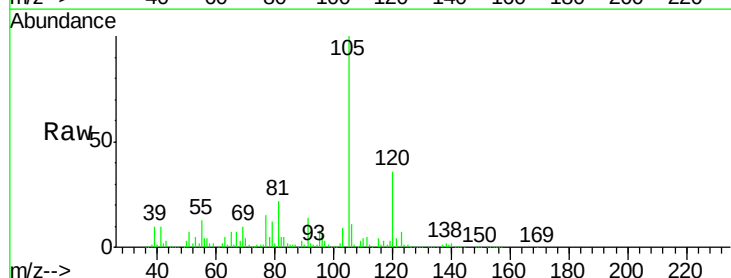
Acq: 24 Sep 2019 06:22

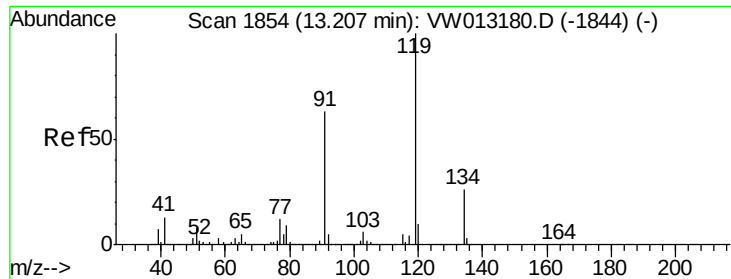
Tgt Ion:105 Resp:14863810

Ion Ratio Lower Upper

105 100

120 34.0 24.9 74.8





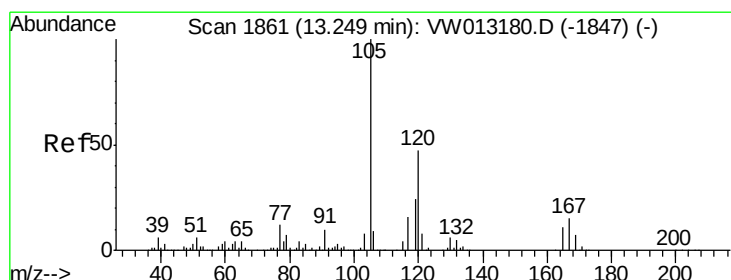
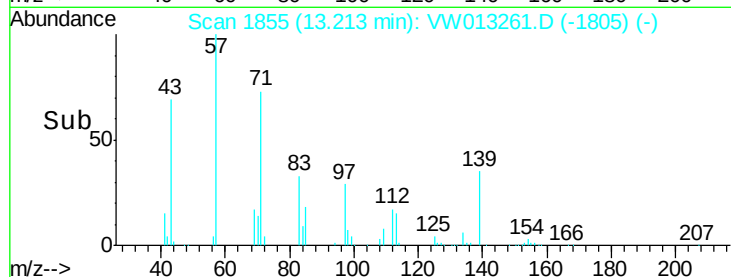
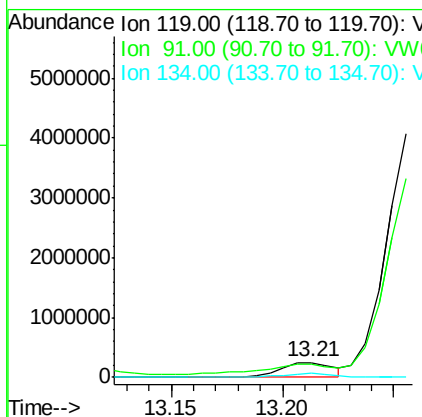
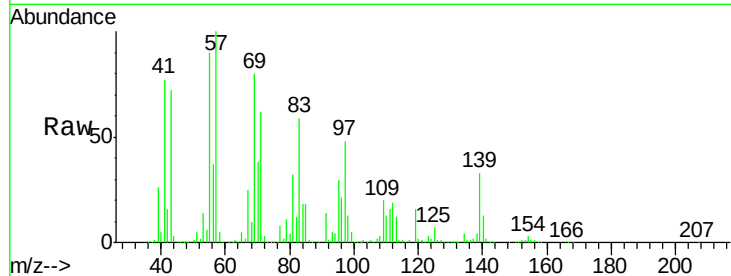
#83
tert-Butylbenzene
Concen: 16.607 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.01 min
Lab File: VW013261.D
Acq: 24 Sep 2019 06:22

Instrument :
MSVOA_W
ClientSampled :
SB-1

Tot Ion	Ratio	Lower	Upper
119	100		
91	80.9	30.7	92.1
134	26.9	12.6	37.6

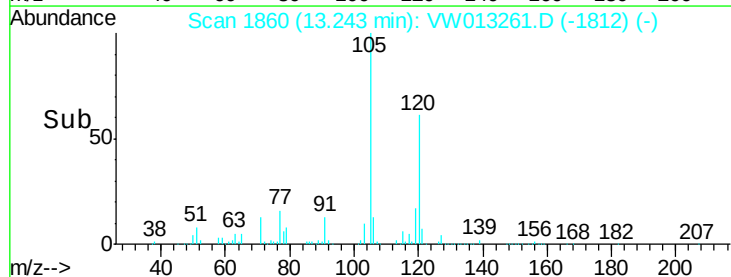
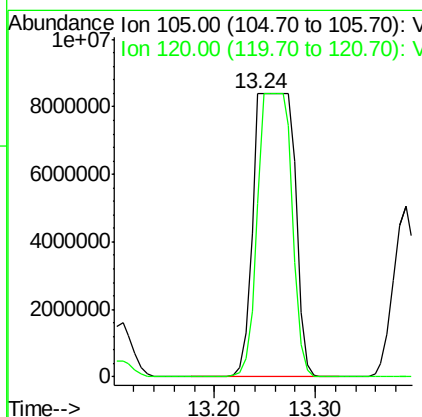
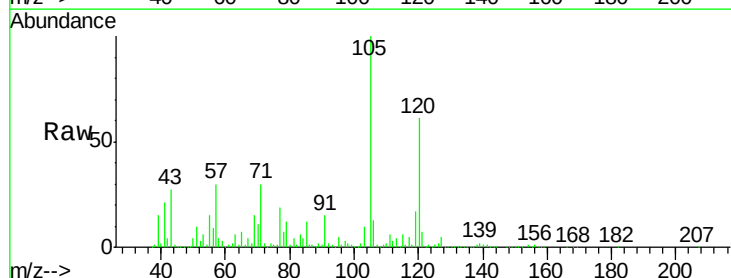
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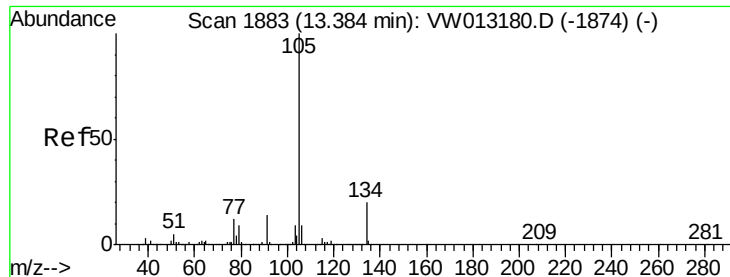
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#84
1,2,4-Trimethylbenzene
Concen: 852.963 ug/l m
RT: 13.24 min Scan# 1860
Delta R.T. -0.01 min
Lab File: VW013261.D
Acq: 24 Sep 2019 06:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	3.3	23.4	70.3





#85

sec-Butylbenzene

Concen: 242.046 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.01 min

Lab File: VW013261.D

Acq: 24 Sep 2019 06:22

Instrument :

MSVOA_W

ClientSampled :

SB-1

Tot Ion:105 Resp: 8215322

Ion Ratio Lower Upper

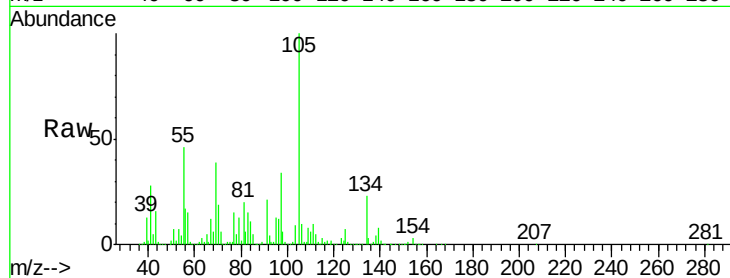
105 100

134 29.3 10.3 30.8

Manual Integrations
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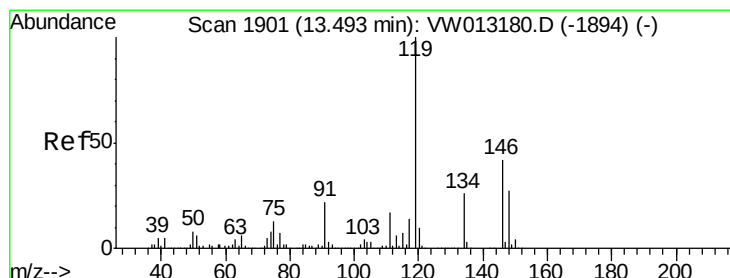
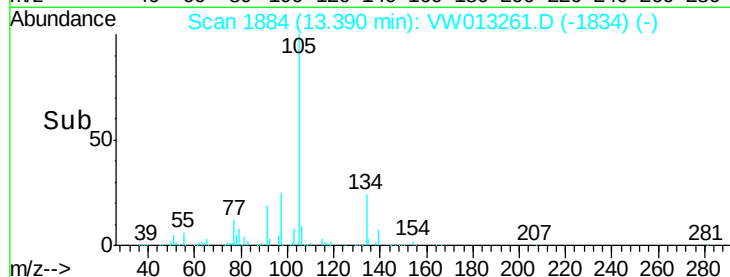


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 199.291 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.01 min

Lab File: VW013261.D

Acq: 24 Sep 2019 06:22

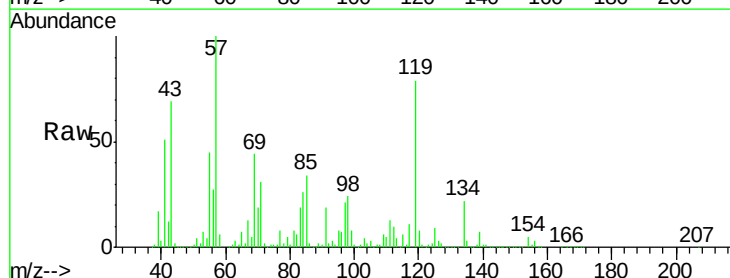
Tgt Ion:119 Resp: 6273821

Ion Ratio Lower Upper

119 100

134 27.3 13.3 39.8

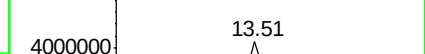
91 22.9 10.8 32.4



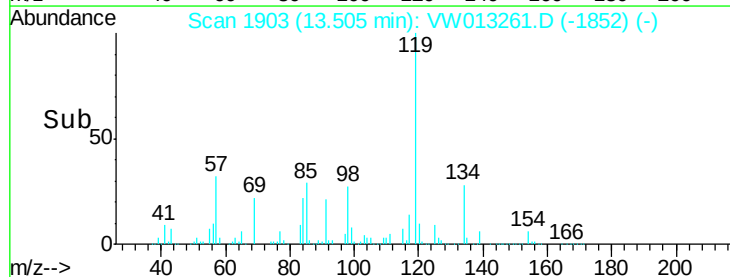
Abundance Ion 119.00 (118.70 to 119.70): V

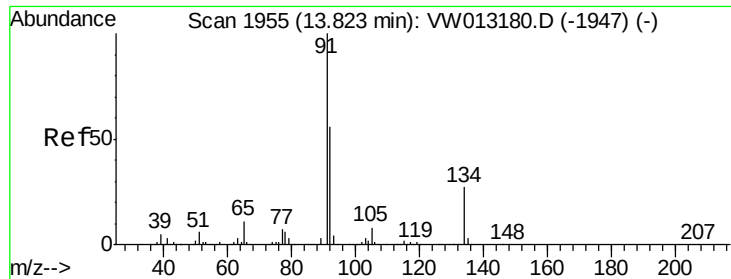
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->





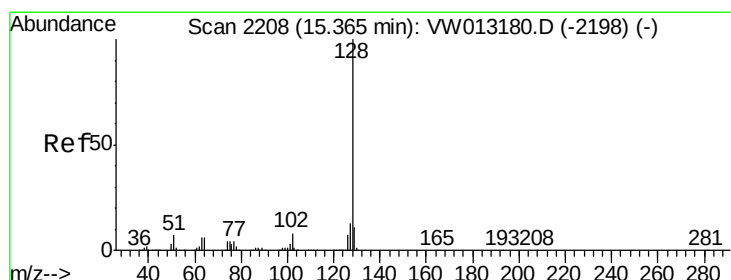
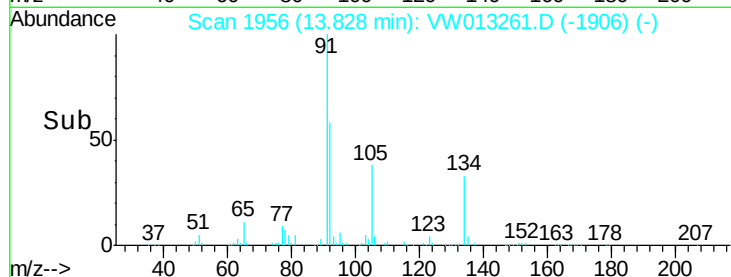
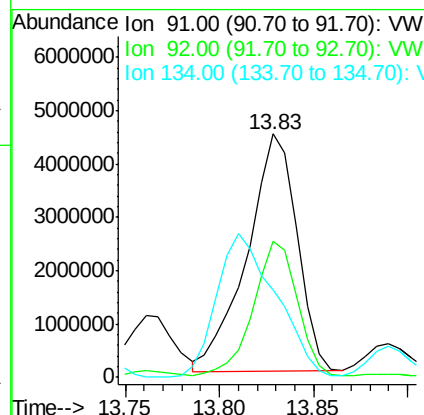
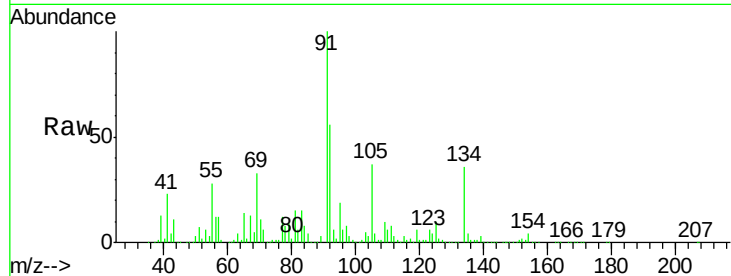
#89
n-Butylbenzene
Concen: 285.824 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.01 min
Lab File: VW013261.D
Acq: 24 Sep 2019 06:22

Instrument :
MSVOA_W
ClientSampled :
SB-1

Tot Ion: 91 Resp: 8216047
Ion Ratio Lower Upper
91 100
92 49.7 27.6 82.8
134 71.6 13.7 41.1#

Manual Integrations
APPROVED

MMDadoda
9/25/2019 12:35:48 AM



#95
Naphthalene
Concen: 631.025 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013261.D
Acq: 24 Sep 2019 06:22

Tgt Ion:128 Resp: 9736304
Ion Ratio Lower Upper
128 100
127 13.7 10.6 15.8
129 11.2 8.7 13.1

