

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091819\
 Data File : VW013127.D
 Acq On : 18 Sep 2019 21:12
 Operator : SY/VA
 Sample : K4944-01
 Misc : 4.58G/5ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DRUM-COMP

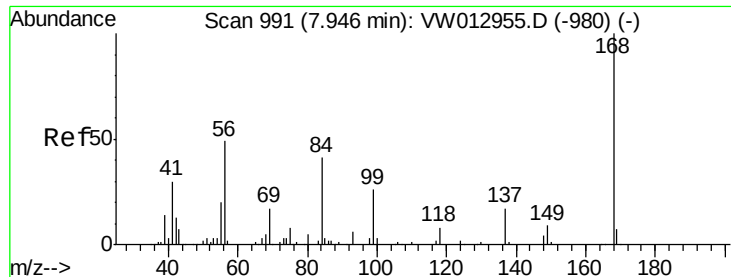
Manual Integrations
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 9/19/2019 11:22:59 AM

Quant Time: Sep 19 09:18:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	293064	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	464897	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	295189	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	242829	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	139672	51.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.20%	
35) Dibromofluoromethane	7.88	113	130586	51.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.54%	
50) Toluene-d8	10.32	98	671122	67.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	135.98%	
62) 4-Bromofluorobenzene	12.62	95	440982	124.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	248.48%	
Target Compounds						
					Qvalue	
31) Cyclohexane	7.95	56	57249	13.474	ug/l #	88
39) Methylcyclohexane	9.33	83	844561	207.470	ug/l	97
52) Toluene	10.38	92	325881	49.451	ug/l	99
67) Ethyl Benzene	11.73	91	1708374	175.924	ug/l	98
68) m/p-Xylenes	11.84	106	1728450	487.228	ug/l	93
69) o-Xylene	12.16	106	4210182	1265.891	ug/l	92
73) Isopropylbenzene	12.46	105	385250	23.935	ug/l	100
78) n-propylbenzene	12.80	91	829220	43.798	ug/l #	53
80) 1,3,5-Trimethylbenzene	12.95	105	11190422	821.819	ug/l	92
84) 1,2,4-Trimethylbenzene	13.26	105	13087231	972.630	ug/l	90
85) sec-Butylbenzene	13.39	105	1516146	91.367	ug/l	89
86) p-Isopropyltoluene	13.51	119	3136470	205.869	ug/l	97
89) n-Butylbenzene	13.83	91	1466148m	102.042	ug/l	

(#) = 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: VW013127.D

Acq: 18 Sep 2019 21:12

Instrument :

MSVOA_W

ClientSampleId :

DRUM-COMP

Tot Ion:168 Resp: 293064

Ion Ratio Lower Upper

168 100

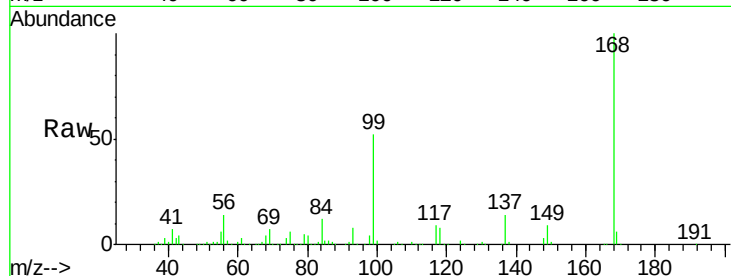
99 51.7 46.2 69.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

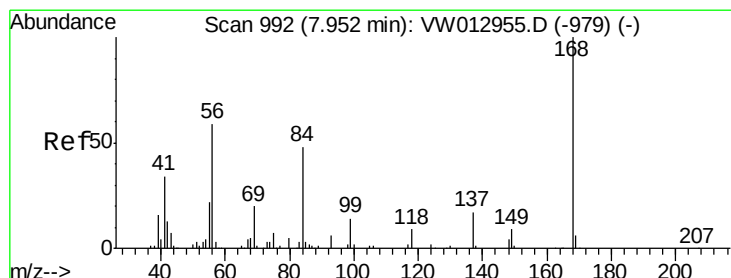
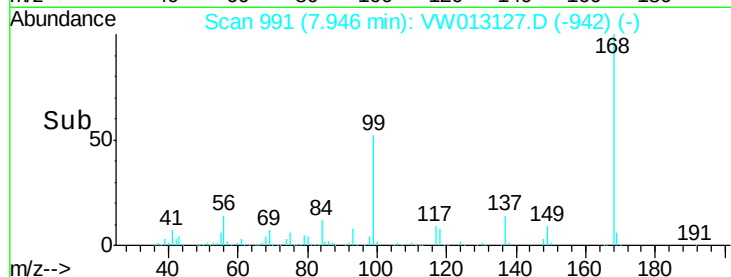
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#31

Cyclohexane

Concen: 13.474 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013127.D

Acq: 18 Sep 2019 21:12

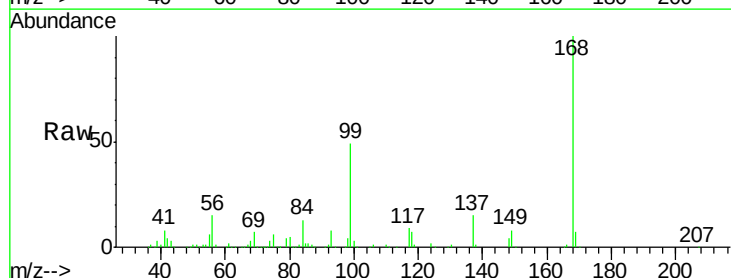
Tgt Ion: 56 Resp: 57249

Ion Ratio Lower Upper

56 100

69 48.1 27.0 40.6#

84 89.0 66.2 99.2



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

7.95

25000

20000

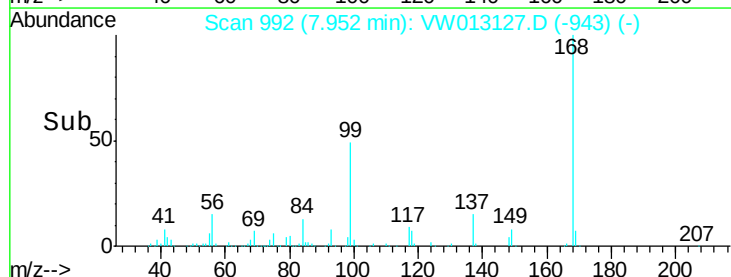
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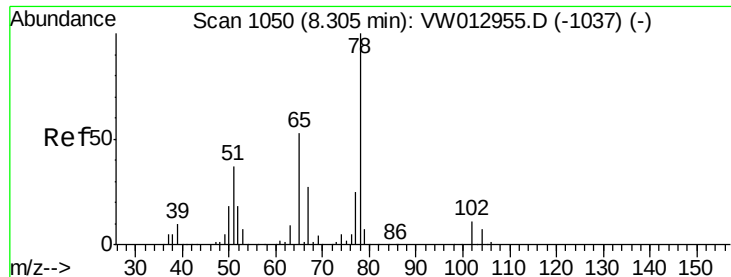
10000

5000

0

Time--> 7.80 7.85 7.90 7.95 8.00





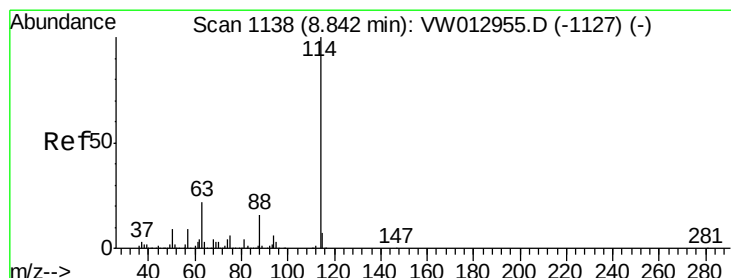
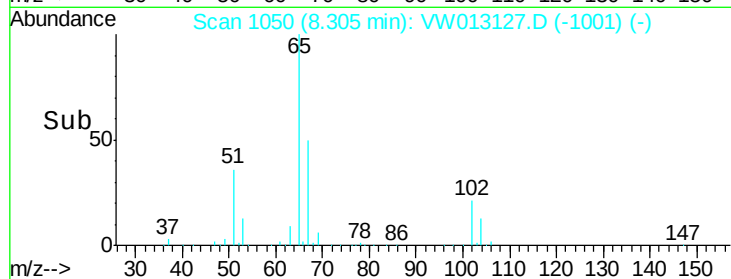
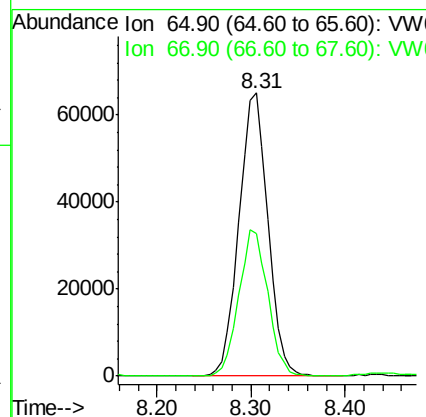
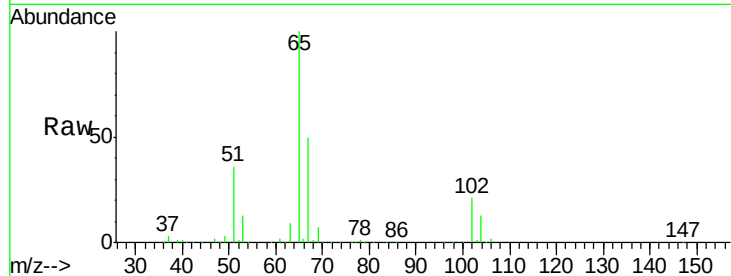
#33
 1,2-Dichloroethane-d4
 Concen: 51.603 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013127.D
 Acq: 18 Sep 2019 21:12

Instrument :
 MSVOA_W
 ClientSampleId :
 DRUM-COMP

Tot Ion	Ratio	Resp	Lower	Upper
65	100	139672		
67	51.7	0.0	101.2	

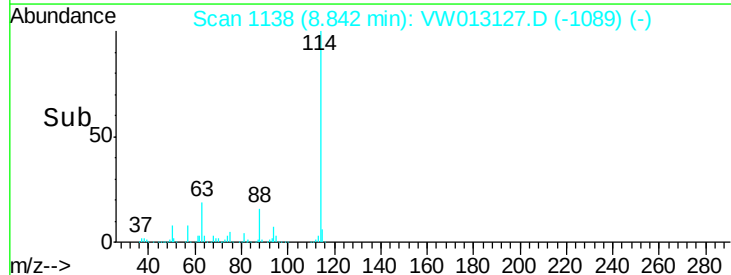
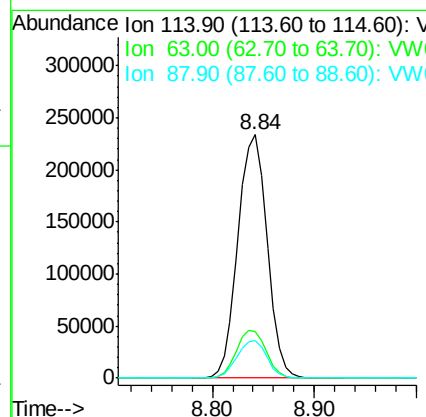
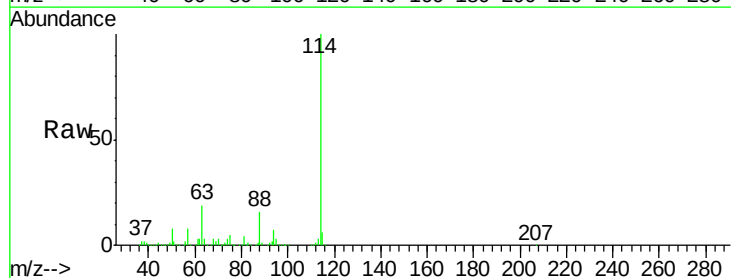
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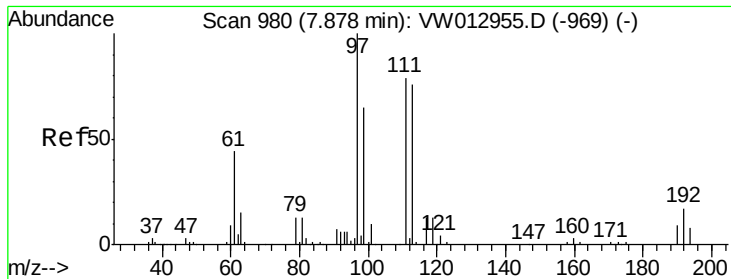
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013127.D
 Acq: 18 Sep 2019 21:12

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	464897		
63	19.2	0.0	43.4	
88	15.6	0.0	31.6	





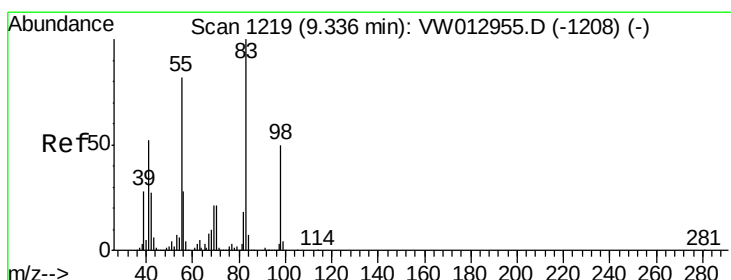
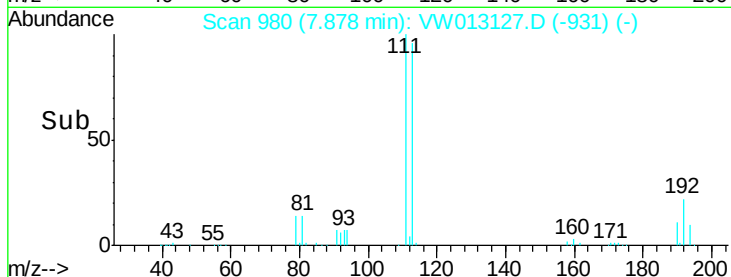
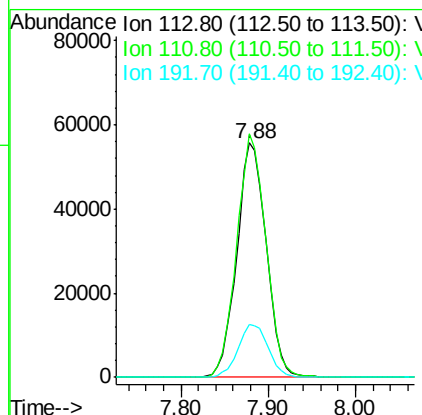
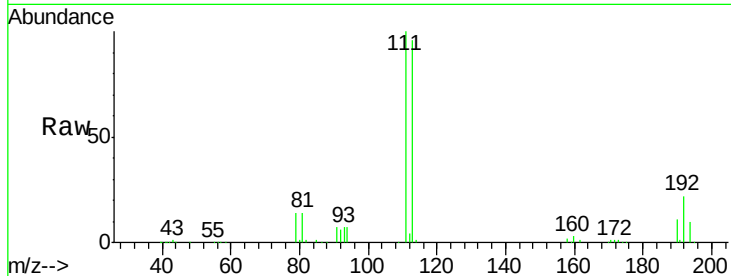
#35
 Dibromofluoromethane
 Concen: 51.767 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013127.D
 Acq: 18 Sep 2019 21:12

Instrument :
 MSVOA_W
 ClientSampleId :
 DRUM-COMP

Tot Ion	Ratio	Resp	Lower	Upper
113	100	130586		
111	102.9	82.8	124.2	
192	23.1	17.8	26.8	

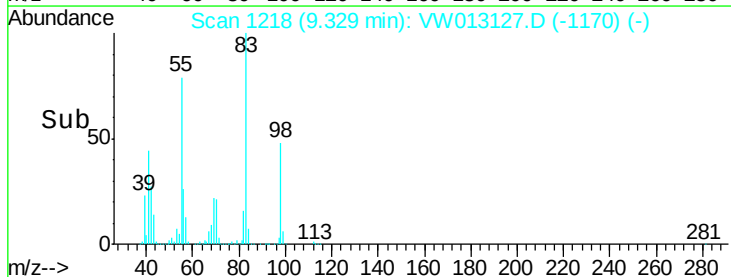
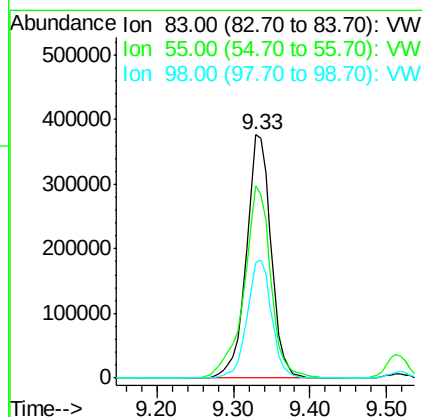
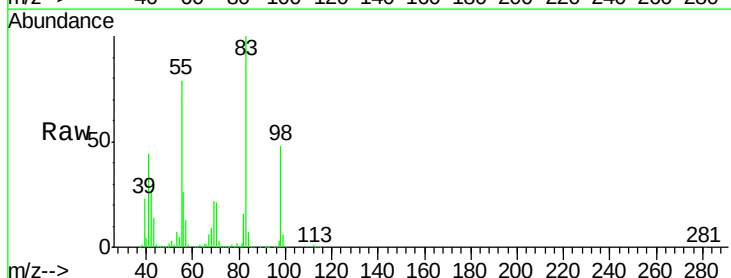
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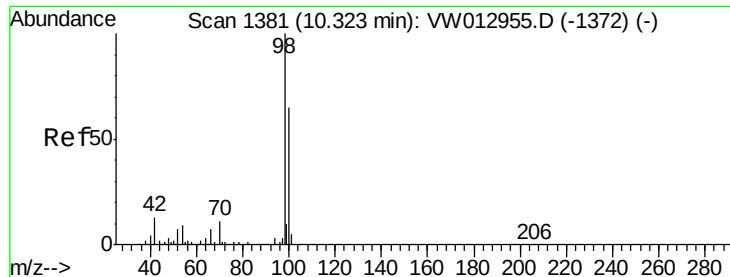
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#39
 Methylcyclohexane
 Concen: 207.470 ug/l
 RT: 9.33 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VW013127.D
 Acq: 18 Sep 2019 21:12

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	844561		
55	78.8	65.9	98.9	
98	47.7	39.6	59.4	





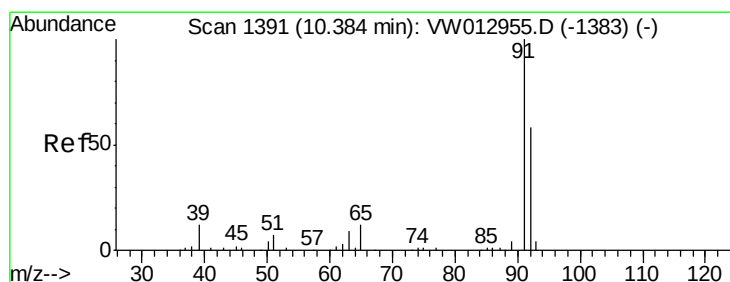
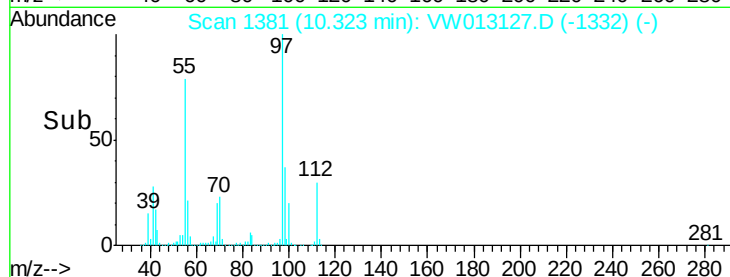
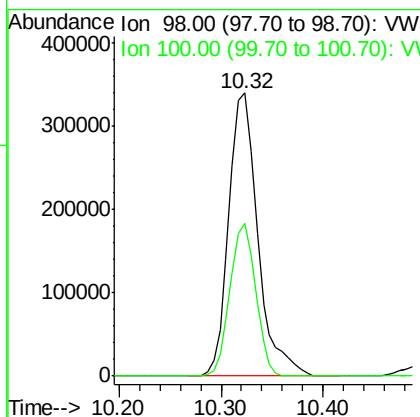
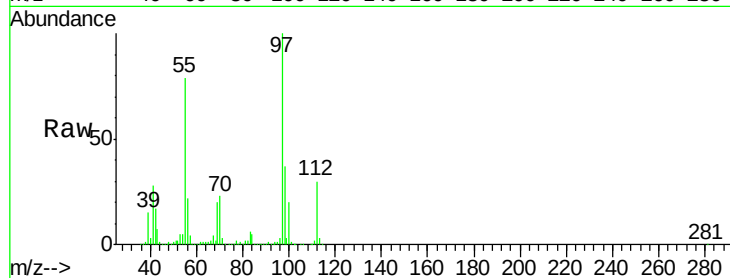
#50
Toluene-d8
Concen: 67.988 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013127.D
Acq: 18 Sep 2019 21:12

Instrument :
MSVOA_W
ClientSampleId :
DRUM-COMP

Tot Ion: 98 Resp: 671122
Ion Ratio Lower Upper
98 100
100 47.6 52.1 78.1#

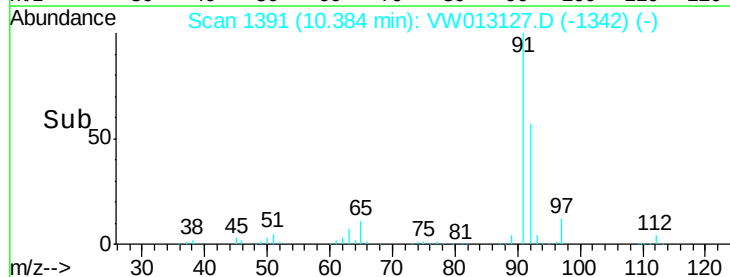
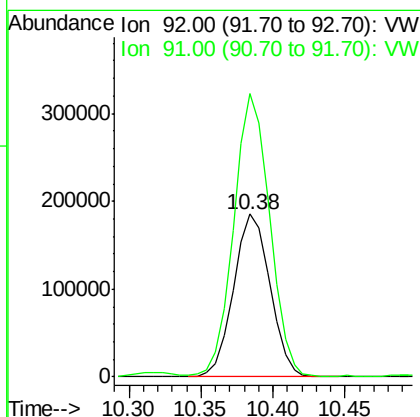
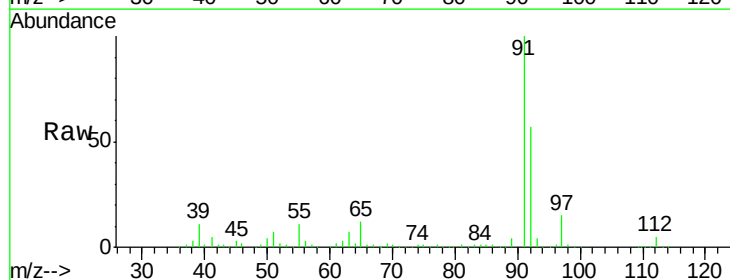
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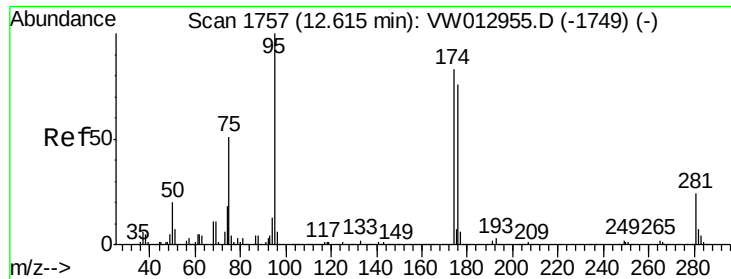
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#52
Toluene
Concen: 49.451 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VW013127.D
Acq: 18 Sep 2019 21:12

Tgt Ion: 92 Resp: 325881
Ion Ratio Lower Upper
92 100
91 171.0 137.5 206.3





#62

4-Bromofluorobenzene

Concen: 124.239 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013127.D

Acq: 18 Sep 2019 21:12

Instrument :

MSVOA_W

ClientSampleId :

DRUM-COMP

Tot Ion: 95 Resp: 440982

Ion Ratio Lower Upper

95 100

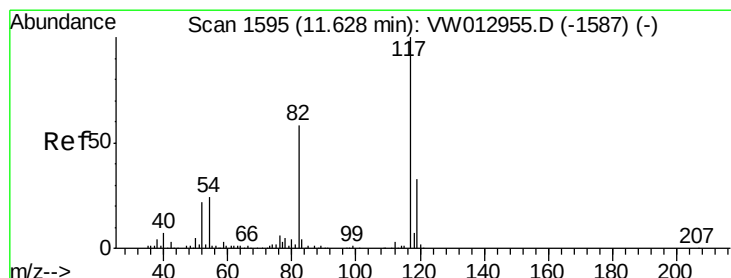
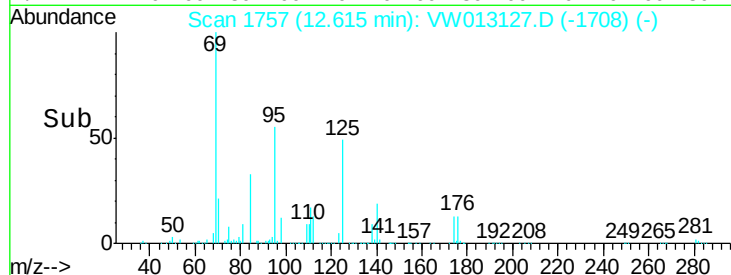
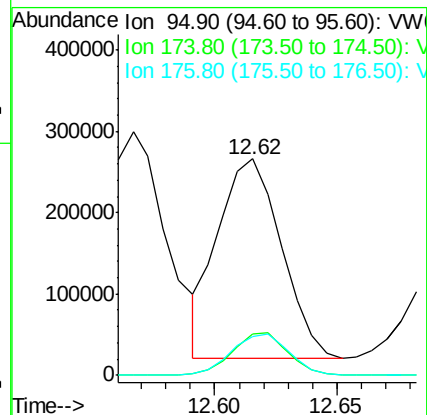
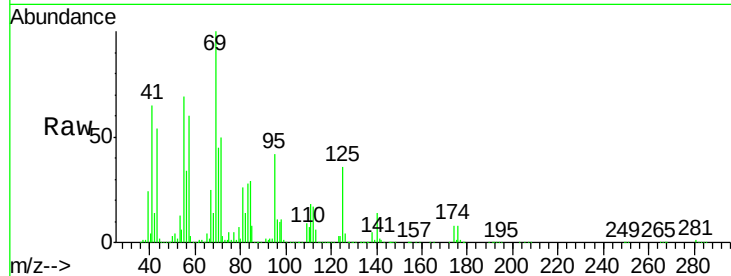
174 18.8 0.0 170.4

176 18.9 0.0 164.6

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.00 min

Lab File: VW013127.D

Acq: 18 Sep 2019 21:12

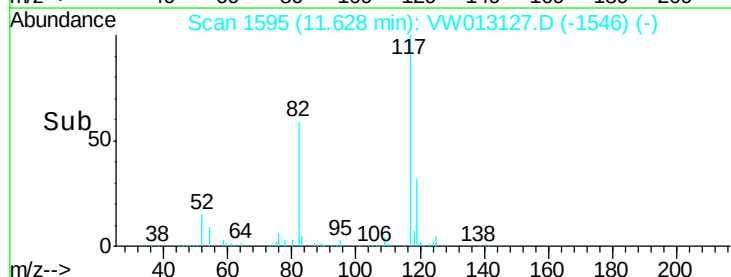
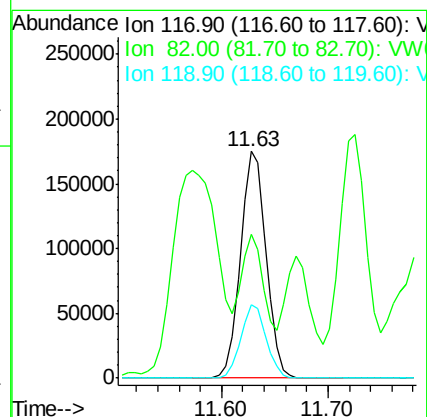
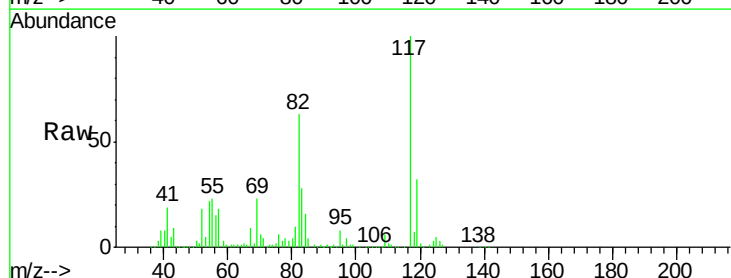
Tgt Ion: 117 Resp: 295189

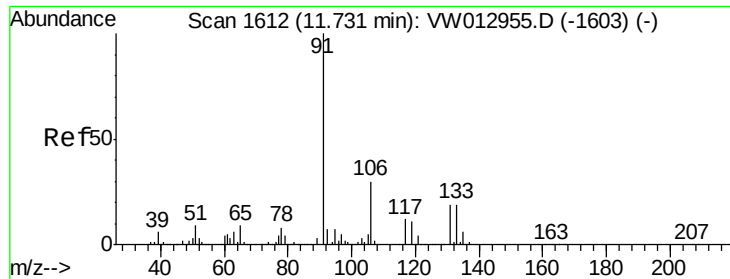
Ion Ratio Lower Upper

117 100

82 0.0 46.3 69.5#

119 32.2 26.2 39.4





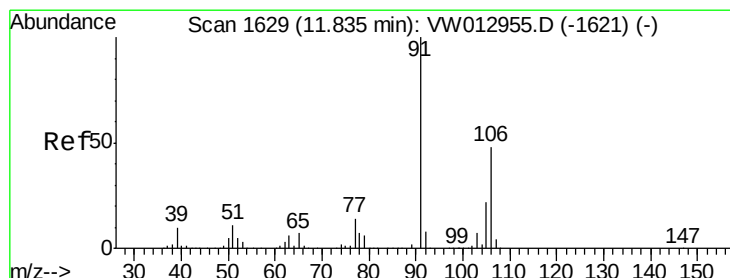
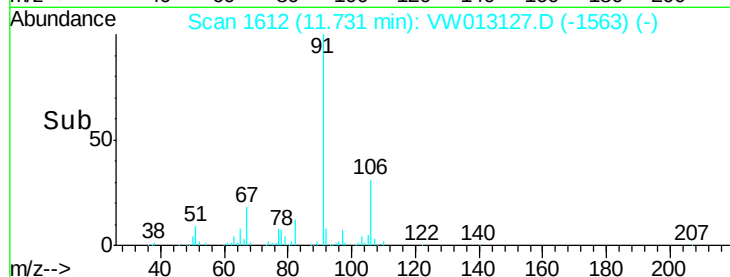
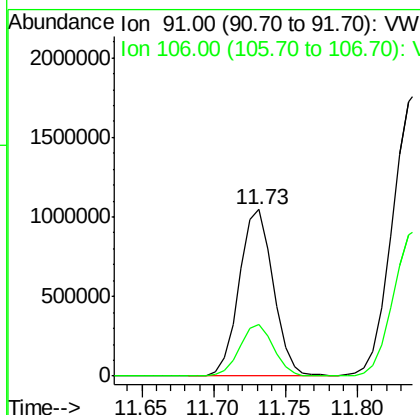
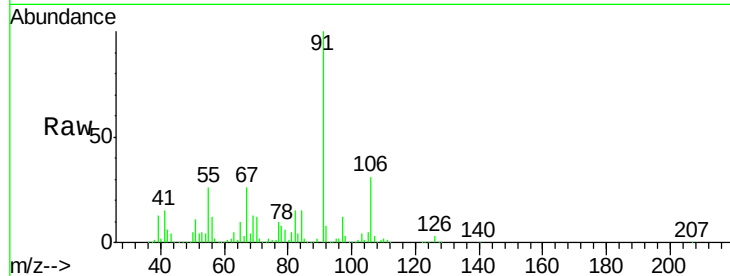
#67
Ethyl Benzene
Concen: 175.924 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013127.D
Acq: 18 Sep 2019 21:12

Instrument :
MSVOA_W
ClientSampleId :
DRUM-COMP

Tot Ion: 91 Resp: 1708374
Ion Ratio Lower Upper
91 100
106 31.3 24.3 36.5

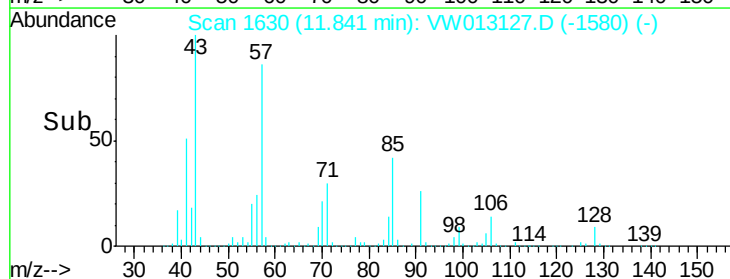
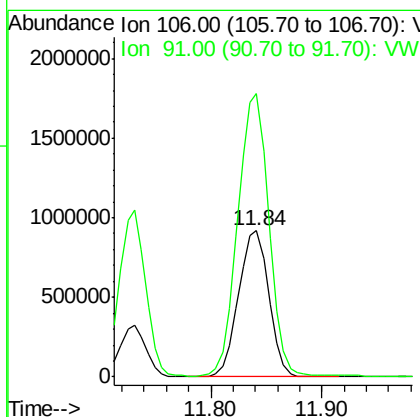
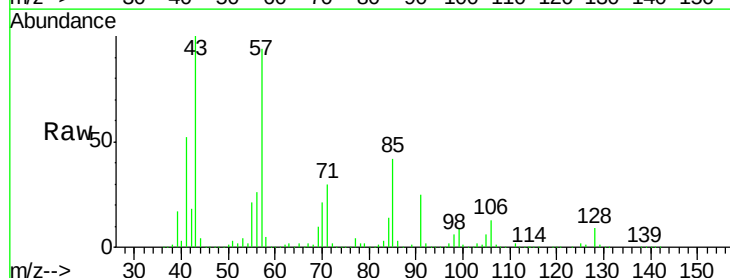
Manual Integrations
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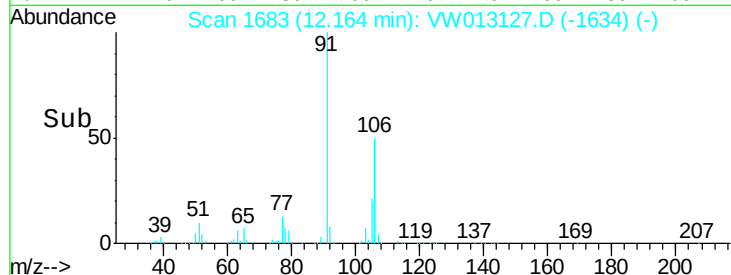
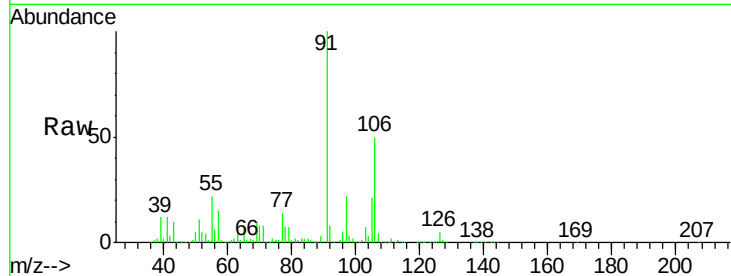
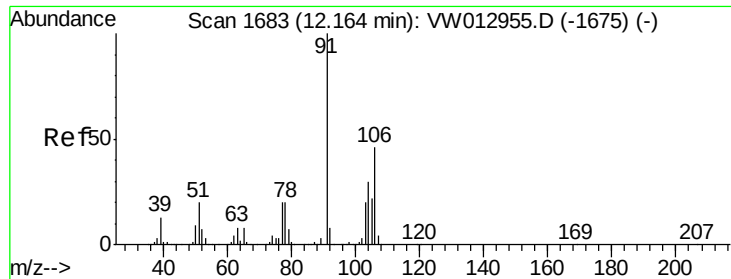
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9/19/2019 11:22:59 AM



#68
m/p-Xylenes
Concen: 487.228 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW013127.D
Acq: 18 Sep 2019 21:12

Tgt Ion: 106 Resp: 1728450
Ion Ratio Lower Upper
106 100
91 197.0 165.8 248.8





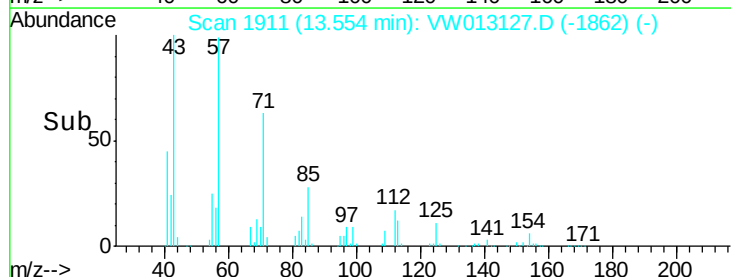
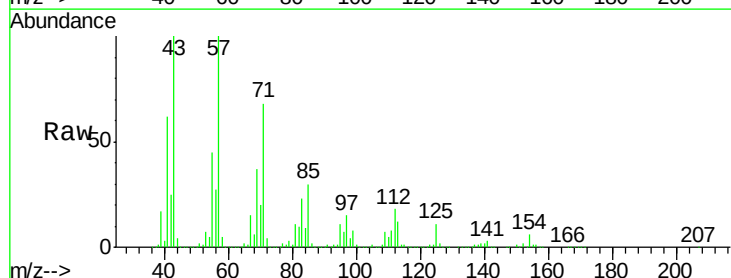
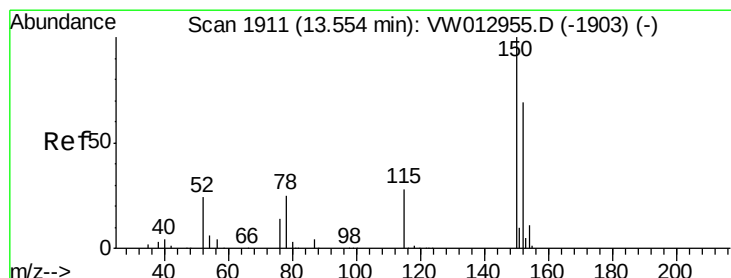
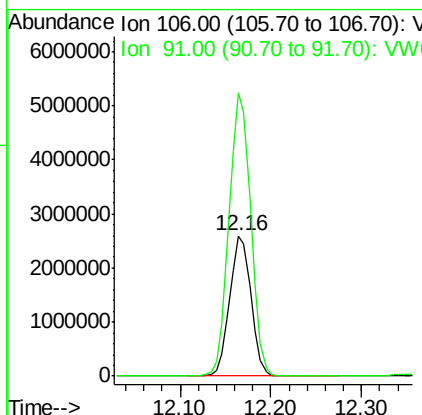
#69
o-Xylene
Concen: 1265.891 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013127.D
Acq: 18 Sep 2019 21:12

Instrument :
MSVOA_W
ClientSampleId :
DRUM-COMP

Tot Ion:106 Resp: 4210182
Ion Ratio Lower Upper
106 100
91 206.8 109.7 329.0

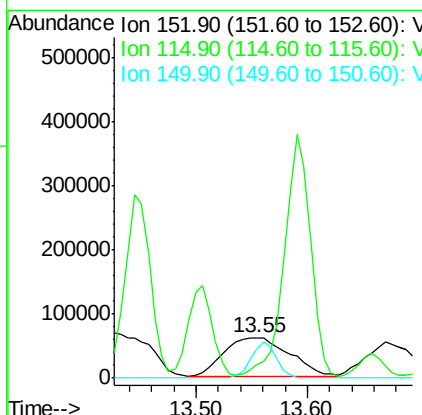
Manual Integrations
APPROVED

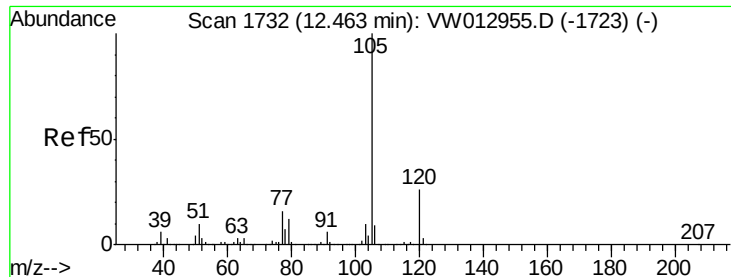
MMDadoda
9/19/2019 11:22:59 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.00 min
Lab File: VW013127.D
Acq: 18 Sep 2019 21:12

Tgt Ion:152 Resp: 242829
Ion Ratio Lower Upper
152 100
115 0.0 28.8 86.4#
150 36.3 0.0 340.2





#73

Isopropylbenzene

Concen: 23.935 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013127.D

Acq: 18 Sep 2019 21:12

Instrument :

MSVOA_W

ClientSampleId :

DRUM-COMP

Tot Ion:105 Resp: 385250

Ion Ratio Lower Upper

105 100

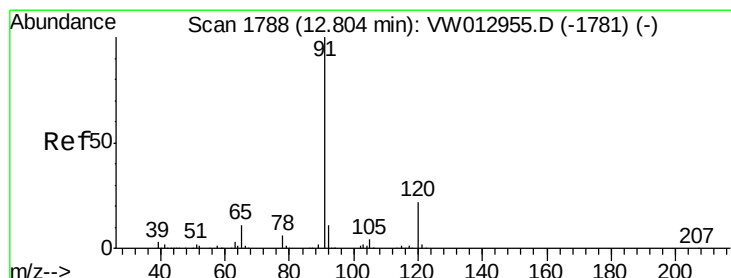
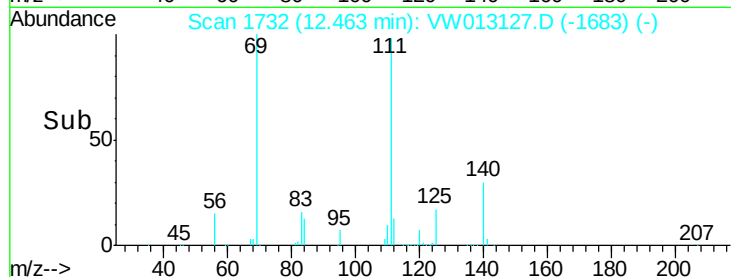
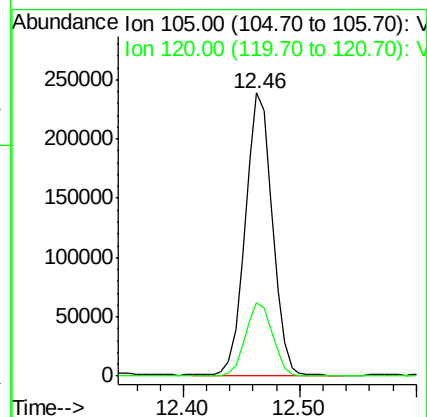
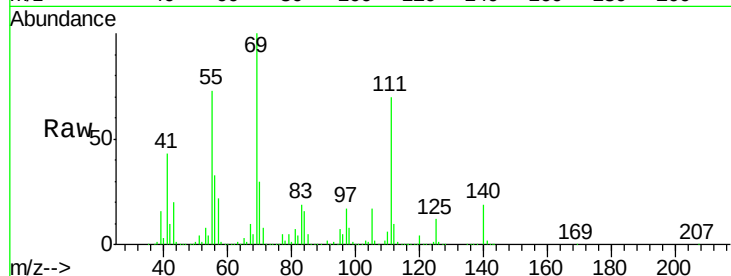
120 26.2 13.0 39.0

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#78

n-propylbenzene

Concen: 43.798 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013127.D

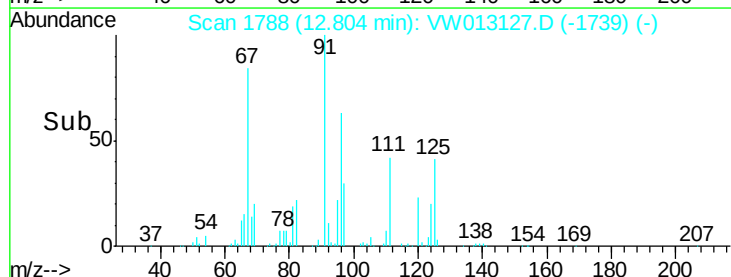
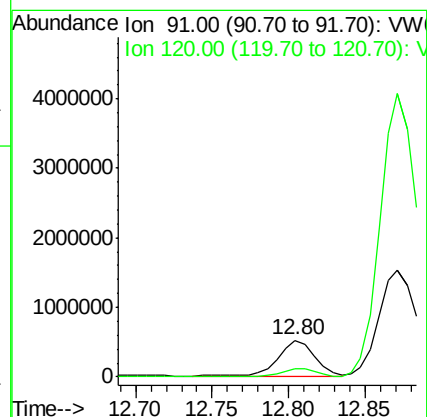
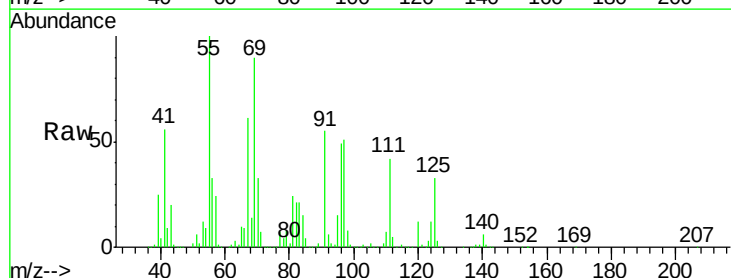
Acq: 18 Sep 2019 21:12

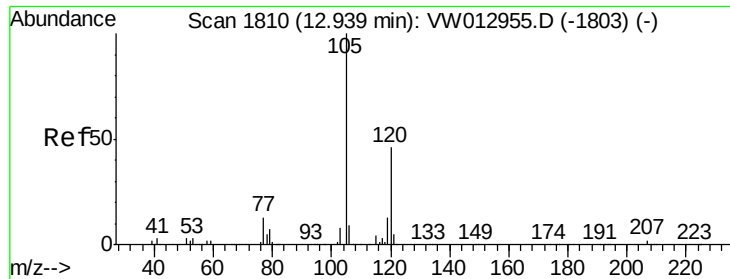
Tgt Ion: 91 Resp: 829220

Ion Ratio Lower Upper

91 100

120 0.0 11.2 33.5#





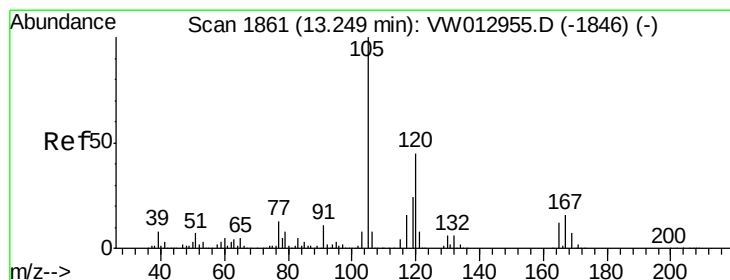
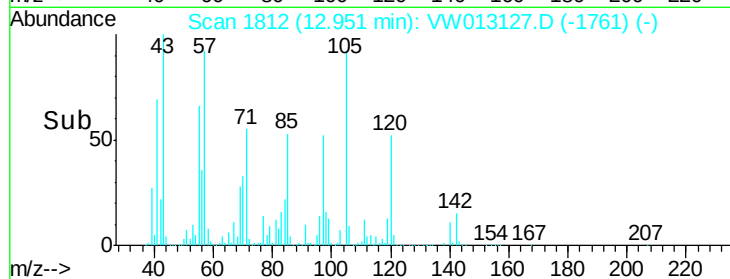
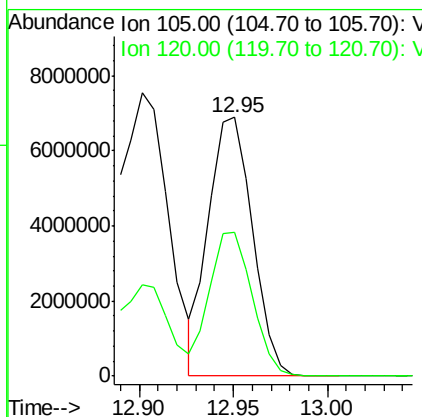
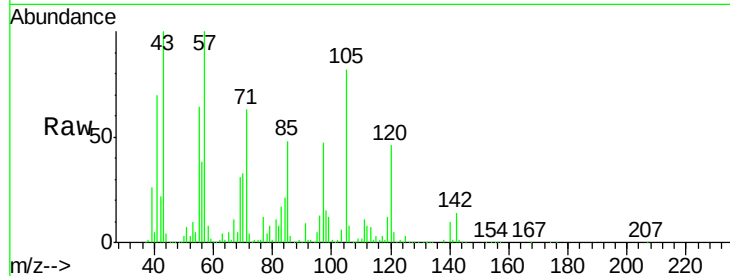
#80
 1,3,5-Trimethylbenzene
 Concen: 821.819 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. 0.01 min
 Lab File: VW013127.D
 Acq: 18 Sep 2019 21:12

Instrument :
 MSVOA_W
 ClientSampleId :
 DRUM-COMP

Tot Ion:105 Resp:11190422
 Ion Ratio Lower Upper
 105 100
 120 54.1 24.2 72.6

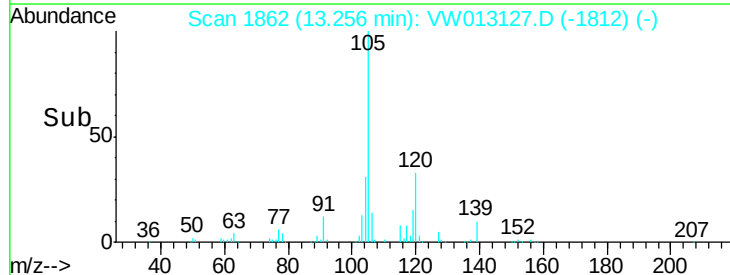
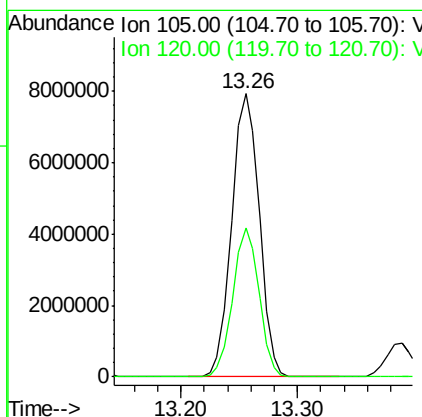
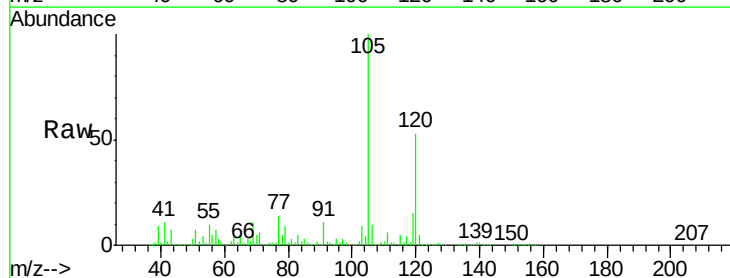
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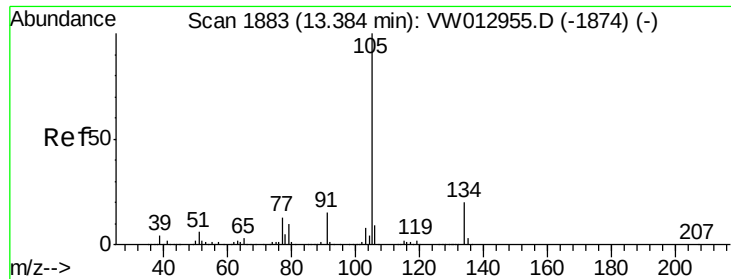
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#84
 1,2,4-Trimethylbenzene
 Concen: 972.630 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.01 min
 Lab File: VW013127.D
 Acq: 18 Sep 2019 21:12

Tgt Ion:105 Resp:13087231
 Ion Ratio Lower Upper
 105 100
 120 50.2 21.9 65.7





#85

sec-Butylbenzene

Concen: 91.367 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.01 min

Lab File: VW013127.D

Acq: 18 Sep 2019 21:12

Instrument :

MSVOA_W

ClientSampleId :

DRUM-COMP

Tot Ion:105 Resp: 1516146

Ion Ratio Lower Upper

105 100

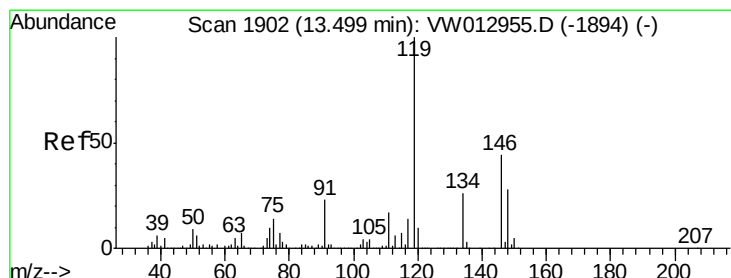
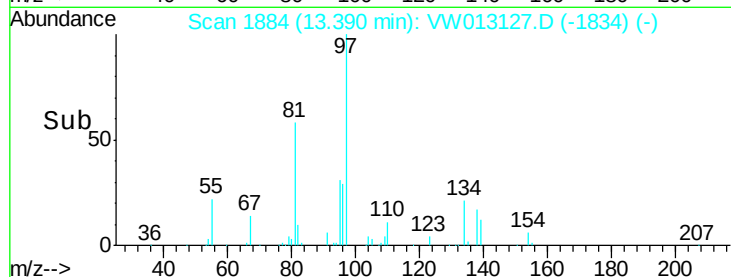
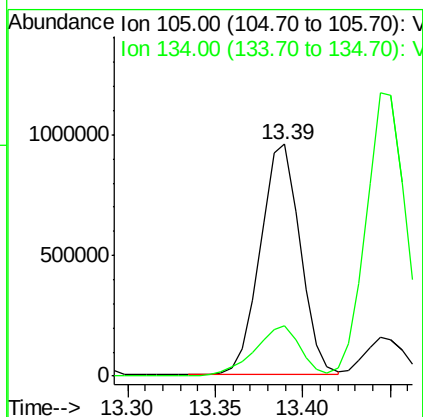
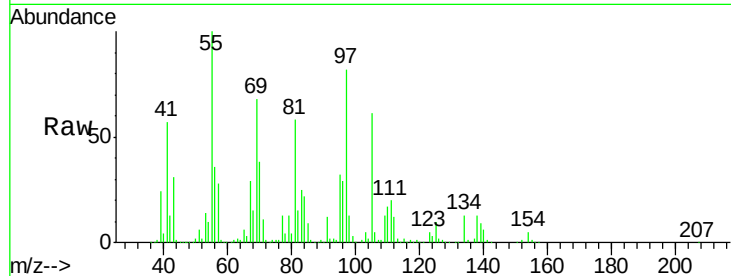
134 25.3 10.2 30.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 205.869 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.01 min

Lab File: VW013127.D

Acq: 18 Sep 2019 21:12

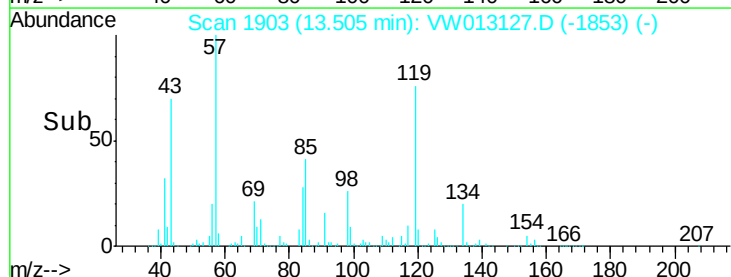
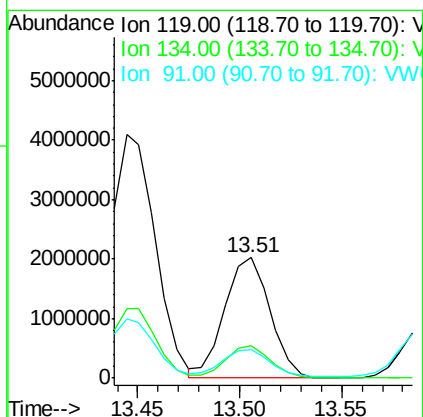
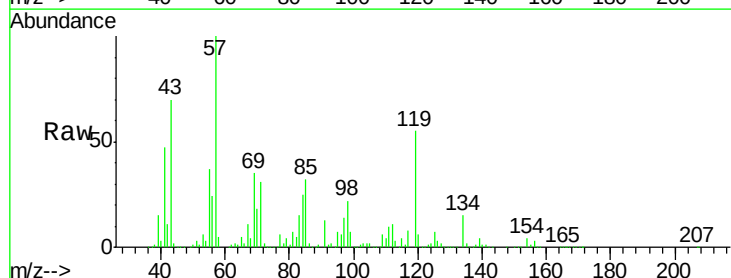
Tgt Ion:119 Resp: 3136470

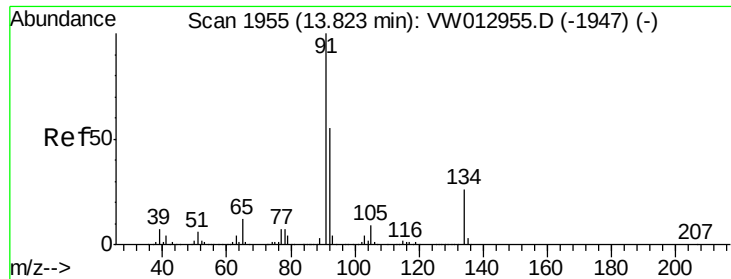
Ion Ratio Lower Upper

119 100

134 26.6 12.8 38.3

91 22.1 11.8 35.4





#89

n-Butylbenzene

Concen: 102.042 ug/l m

RT: 13.83 min Scan# 1956

Delta R.T. 0.01 min

Lab File: VW013127.D

Acq: 18 Sep 2019 21:12

Instrument :

MSVOA_W

ClientSampleId :

DRUM-COMP

Tot Ion: 91 Resp: 1466148

Ion Ratio Lower Upper

91 100

92 0.0 27.2 81.5#

134 516.5 13.1 39.1#

Manual Integrations

APPROVED

MMDadoda

9/19/2019 11:22:59 AM

