

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100319\
 Data File : VW013416.D
 Acq On : 03 Oct 2019 14:01
 Operator : SY/VA
 Sample : K5140-01
 Misc : 7.12G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 HR-05-100219

Manual Integrations
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 10/4/2019 12:07:30 PM

Quant Time: Oct 04 08:47:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 11:49:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	286395	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	443459	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	300360	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	150605	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	125345	58.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.24%	
35) Dibromofluoromethane	7.88	113	128097	55.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.10%	
50) Toluene-d8	10.32	98	616298	63.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	127.64%	
62) 4-Bromofluorobenzene	12.62	95	290635	90.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	180.26%	
Target Compounds						
					Qvalue	
16) Acetone	4.14	43	19070	29.094	ug/l	100
31) Cyclohexane	7.95	56	21856	4.467	ug/l #	77
39) Methylcyclohexane	9.34	83	735554	135.599	ug/l	97
40) Benzene	8.32	78	27366	2.347	ug/l	93
52) Toluene	10.38	92	1779984	236.684	ug/l	100
67) Ethyl Benzene	11.73	91	3633751	329.487	ug/l	98
68) m/p-Xylenes	11.83	106	6351234	1491.990	ug/l	94
69) o-Xylene	12.16	106	3374937	857.487	ug/l	95
73) Isopropylbenzene	12.46	105	1053495	95.630	ug/l	100
78) n-propylbenzene	12.80	91	4691499	370.224	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	6044633	660.526	ug/l	94
84) 1,2,4-Trimethylbenzene	13.25	105	16282582	1789.809	ug/l	83
85) sec-Butylbenzene	13.38	105	1511915	137.190	ug/l #	76
86) p-Isopropyltoluene	13.50	119	1094682	107.181	ug/l	100
89) n-Butylbenzene	13.82	91	2459583m	267.114	ug/l	
95) Naphthalene	15.36	128	605722	113.730	ug/l #	92

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

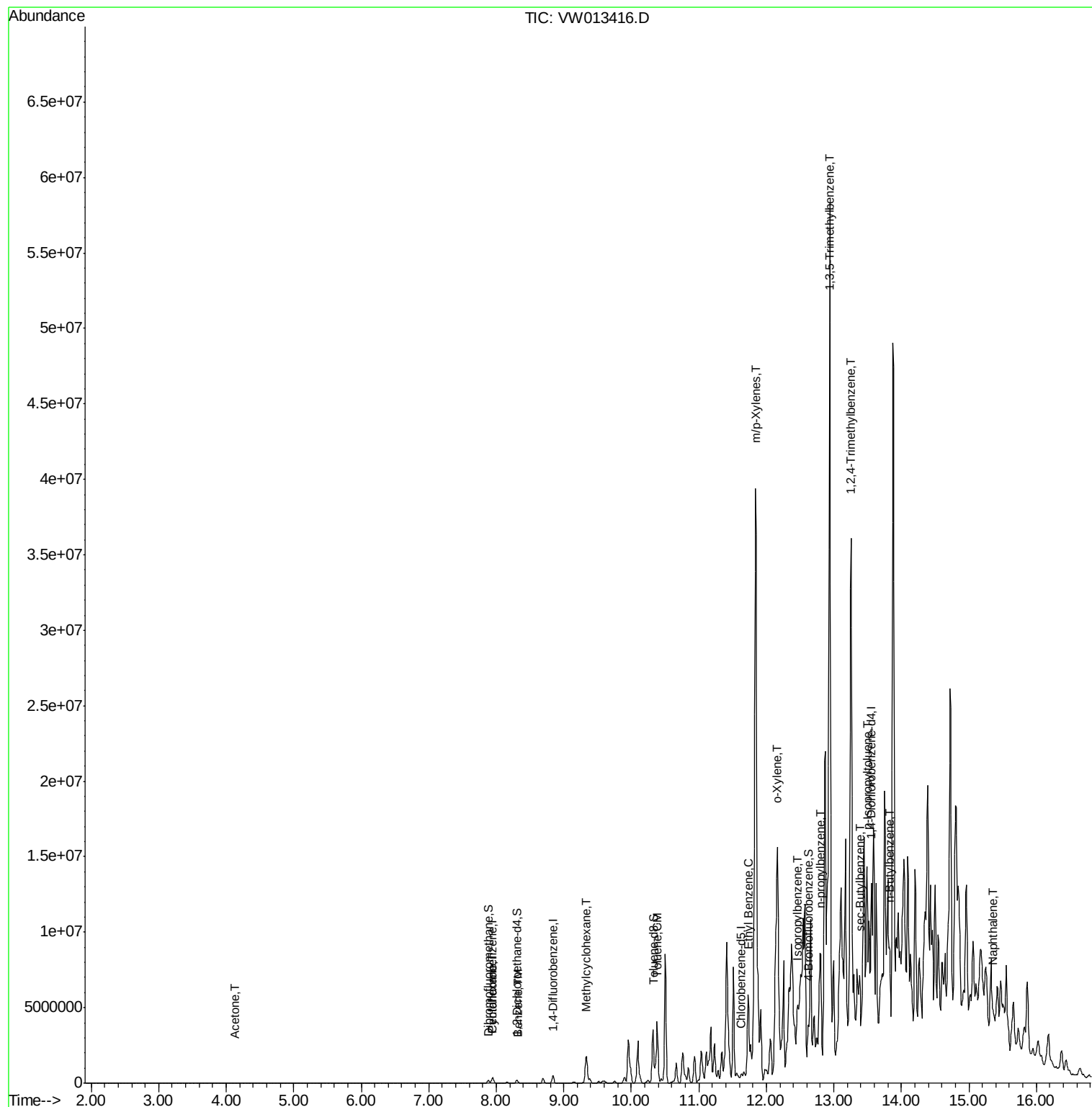
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW100319\
Data File : VW013416.D
Acq On : 03 Oct 2019 14:01
Operator : SY/VA
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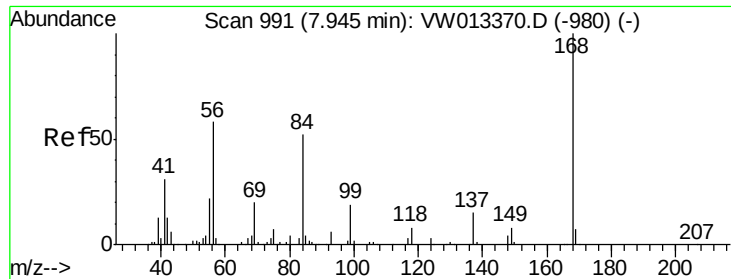
Instrument :
MSVOA_W
ClientSampleId :
HR-05-100219

Manual Integrations
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10/4/2019 12:07:30 PM

Quant Time: Oct 04 08:47:53 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 02 11:49:57 2019
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: VW013416.D

Acq: 03 Oct 2019 14:01

Instrument :

MSVOA_W

ClientSampleId :

HR-05-100219

Tot Ion:168 Resp: 286395

Ion Ratio Lower Upper

168 100

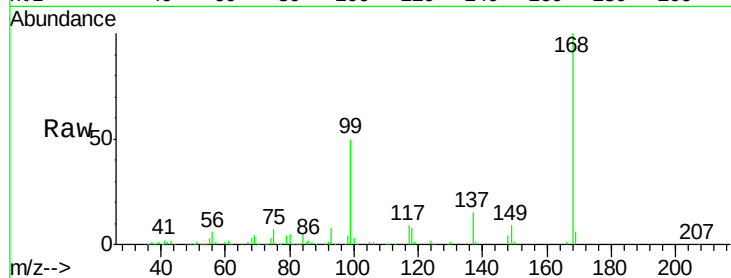
99 50.0 40.2 60.4

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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

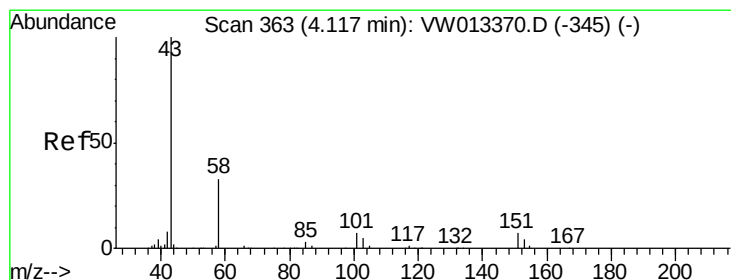
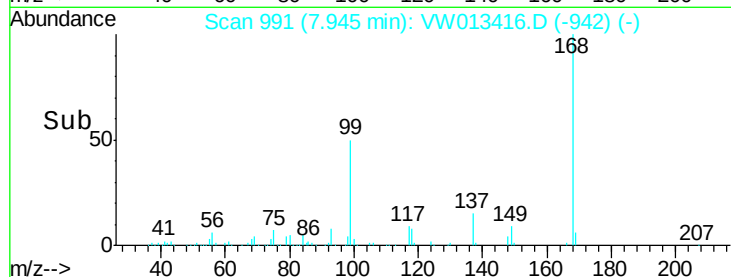
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 29.094 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW013416.D

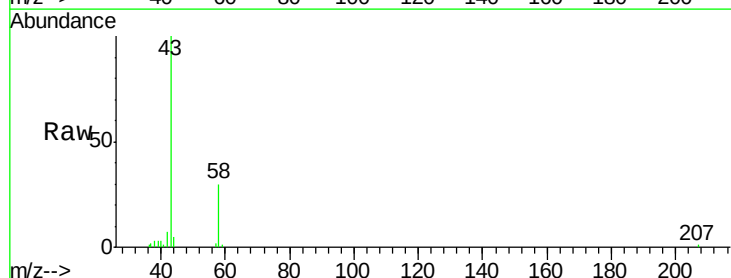
Acq: 03 Oct 2019 14:01

Tgt Ion: 43 Resp: 19070

Ion Ratio Lower Upper

43 100

58 30.1 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

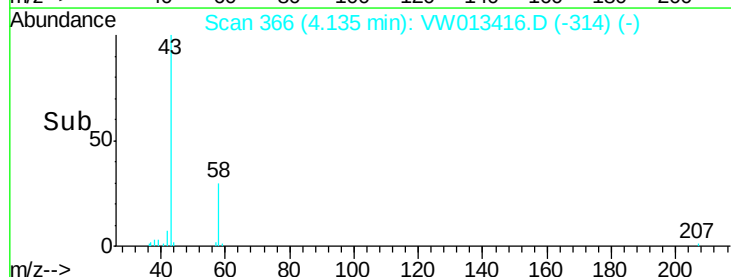
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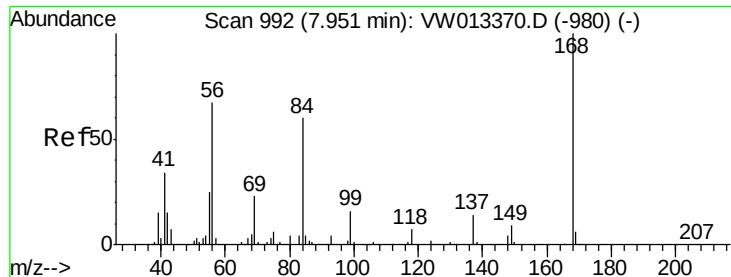
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2000

0

Time-->





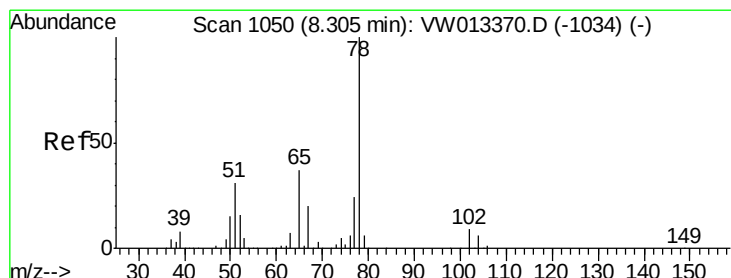
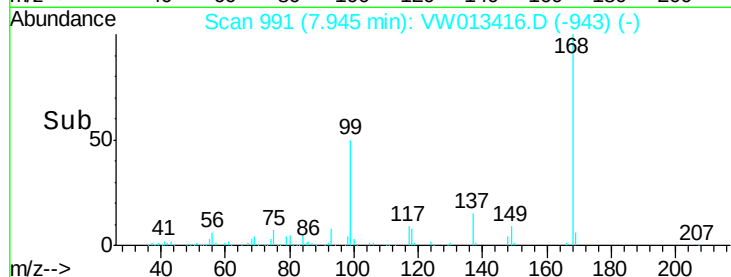
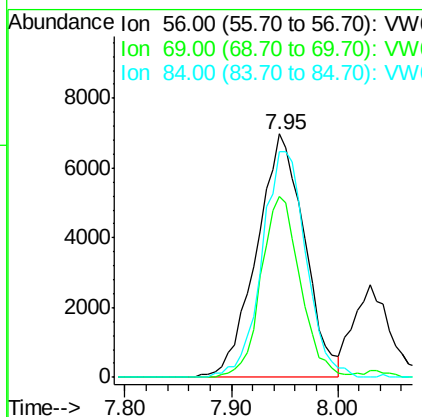
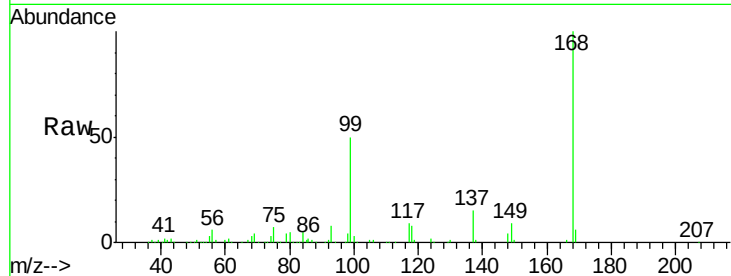
#31
Cyclohexane
Concen: 4.467 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW013416.D
Acq: 03 Oct 2019 14:01

Instrument :
MSVOA_W
ClientSampleId :
HR-05-100219

Tot Ion	Ratio	Lower	Upper
56	100		
69	74.5	27.2	40.8#
84	92.7	70.8	106.2

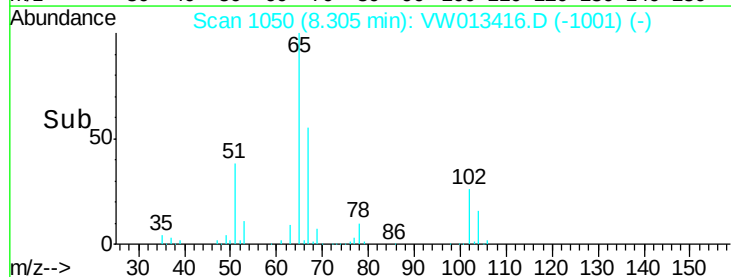
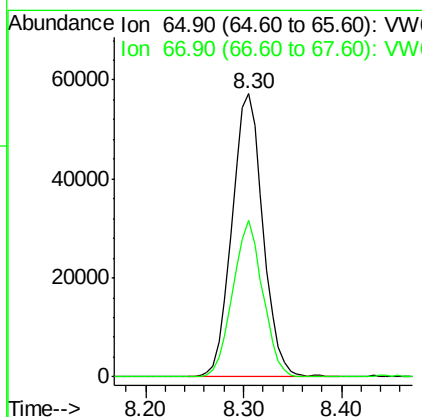
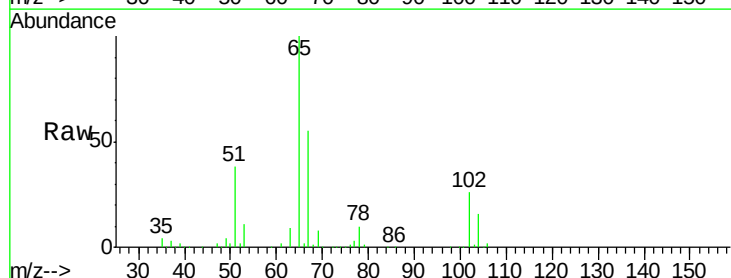
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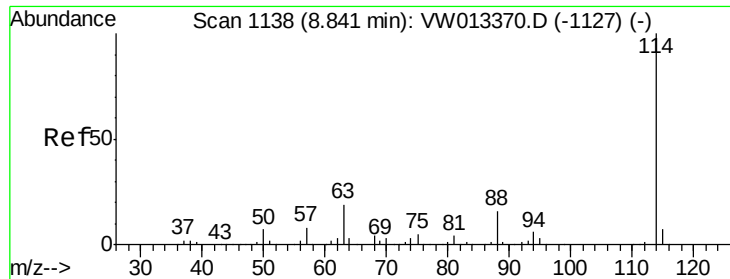
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#33
1,2-Dichloroethane-d4
Concen: 58.615 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW013416.D
Acq: 03 Oct 2019 14:01

Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	106.2





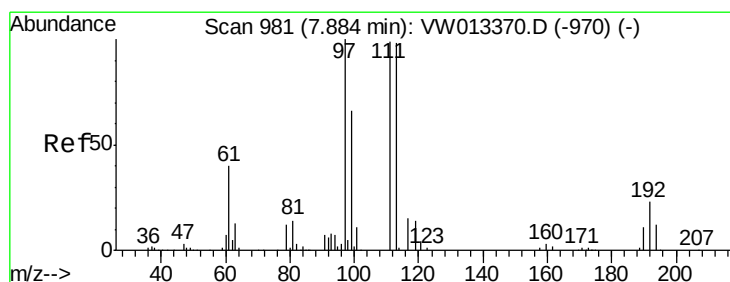
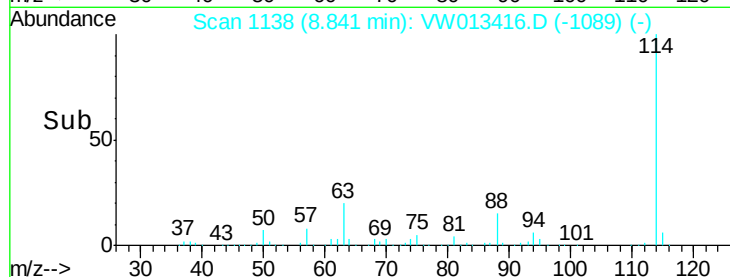
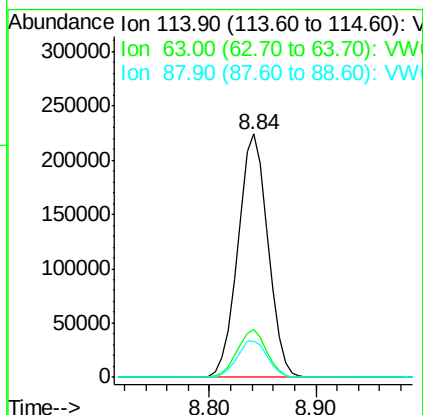
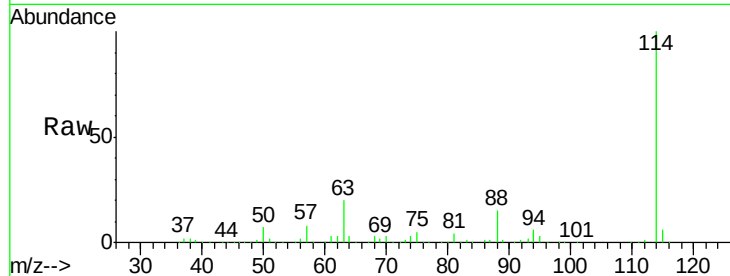
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013416.D
 Acq: 03 Oct 2019 14:01

Instrument :
 MSVOA_W
 ClientSampleId :
 HR-05-100219

Tot Ion	Ratio	Resp	Lower	Upper
114	100	443459		
63	19.6		0.0	41.4
88	14.6		0.0	32.0

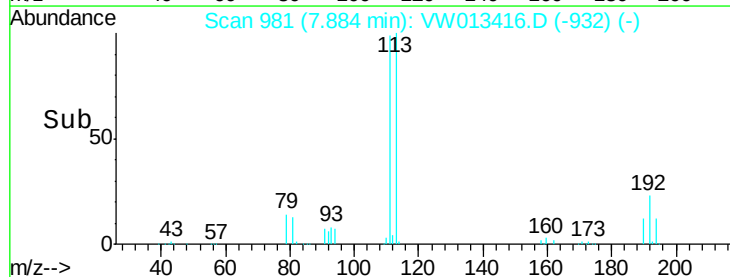
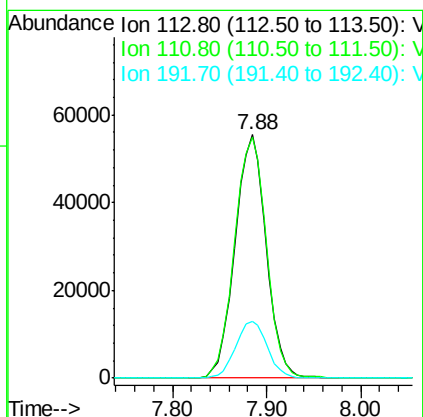
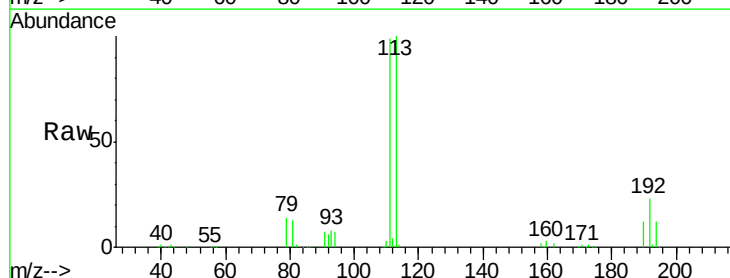
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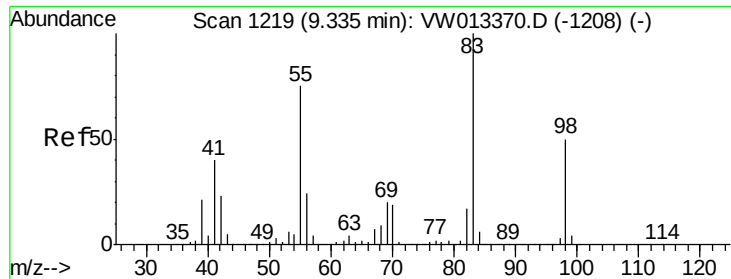
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 10/4/2019 12:07:30 PM



#35
 Dibromofluoromethane
 Concen: 55.050 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW013416.D
 Acq: 03 Oct 2019 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	128097		
111	101.3		81.9	122.9
192	23.6		19.1	28.7





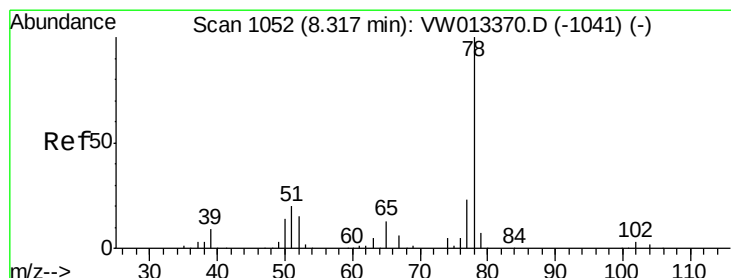
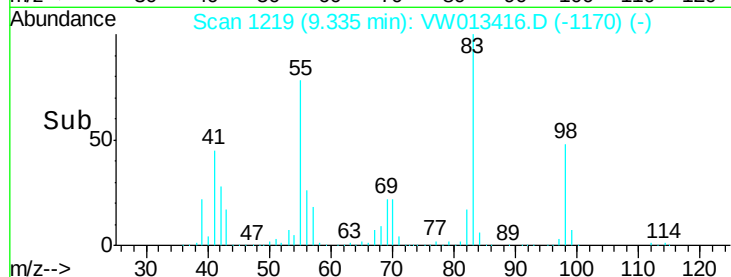
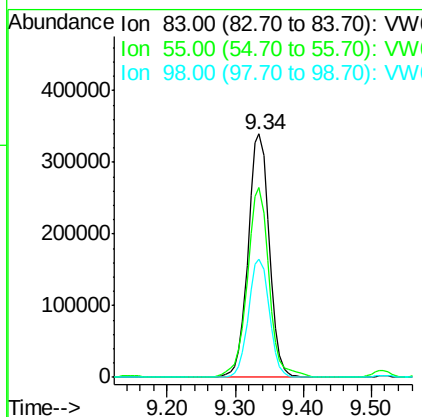
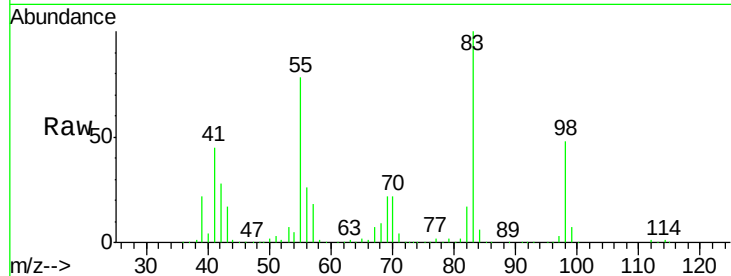
#39
Methylvlcyclohexane
Concen: 135.599 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW013416.D
Acq: 03 Oct 2019 14:01

Instrument :
MSVOA_W
ClientSampleId :
HR-05-100219

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.9	60.4	90.6
98	48.4	40.0	60.0

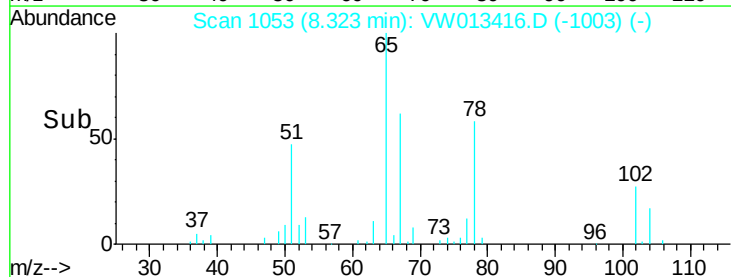
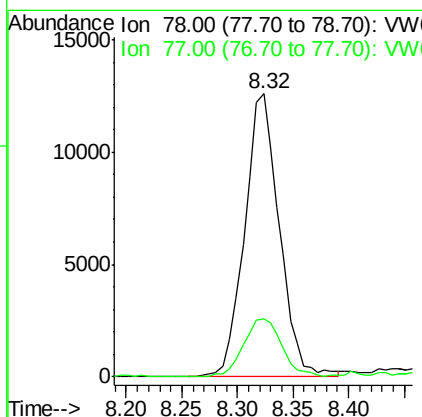
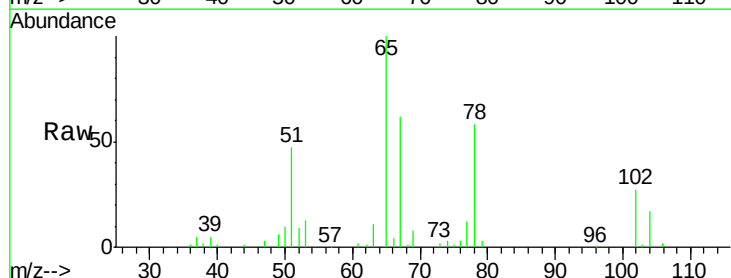
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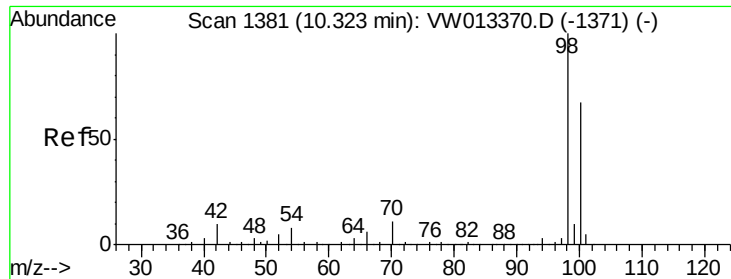
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#40
Benzene
Concen: 2.347 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW013416.D
Acq: 03 Oct 2019 14:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	20.3	19.1	28.7





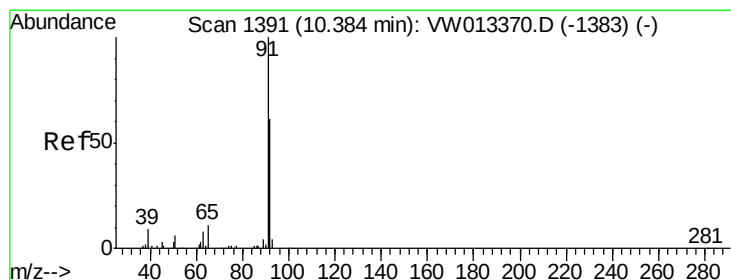
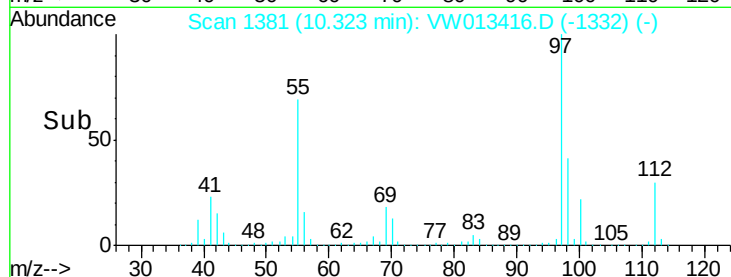
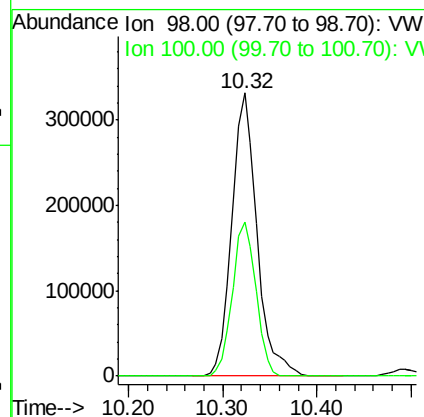
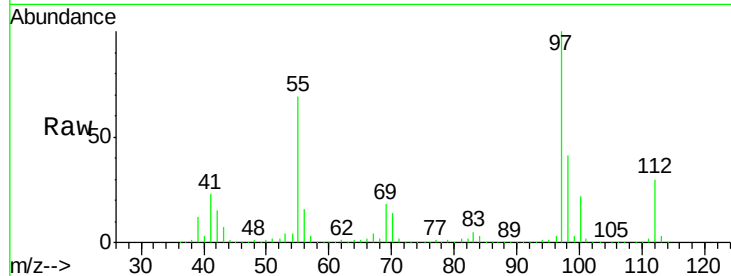
#50
Toluene-d8
Concen: 63.823 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013416.D
Acq: 03 Oct 2019 14:01

Instrument :
MSVOA_W
ClientSampleId :
HR-05-100219

Tot Ion: 98 Resp: 616298
Ion Ratio Lower Upper
98 100
100 50.9 52.9 79.3#

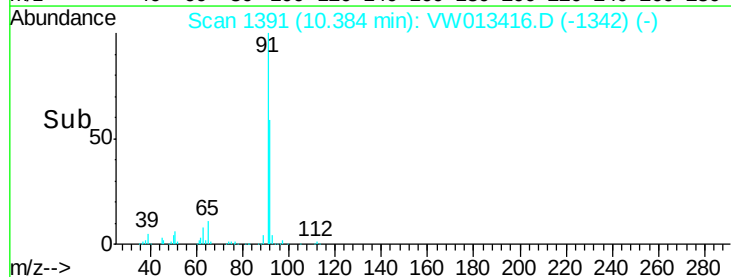
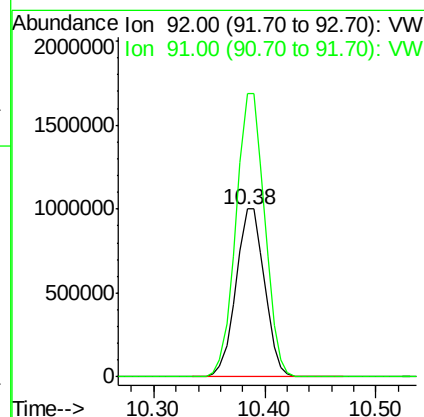
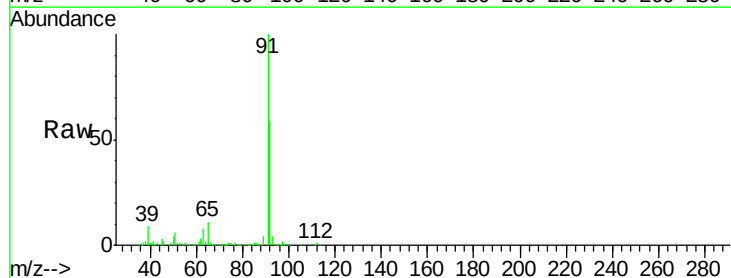
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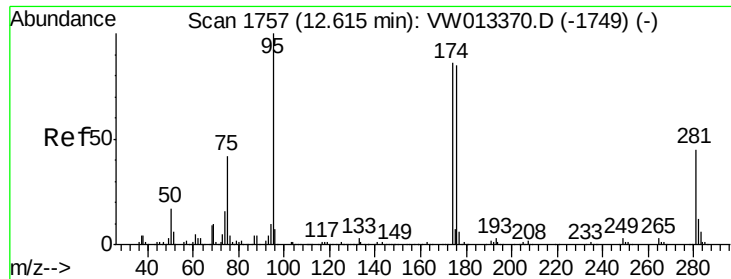
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#52
Toluene
Concen: 236.684 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW013416.D
Acq: 03 Oct 2019 14:01

Tgt Ion: 92 Resp: 1779984
Ion Ratio Lower Upper
92 100
91 169.5 135.7 203.5





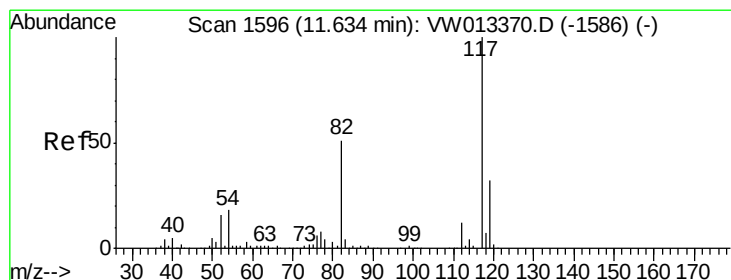
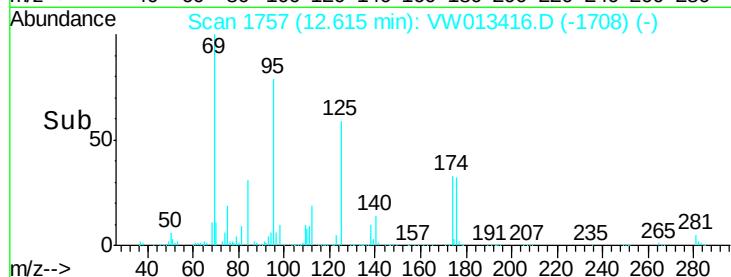
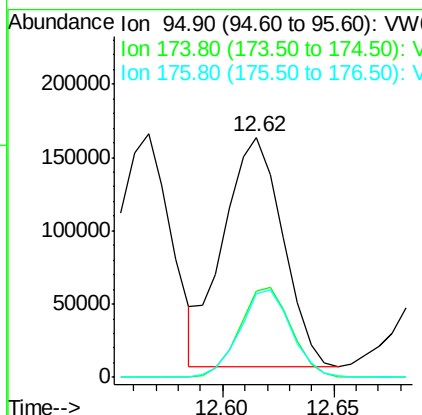
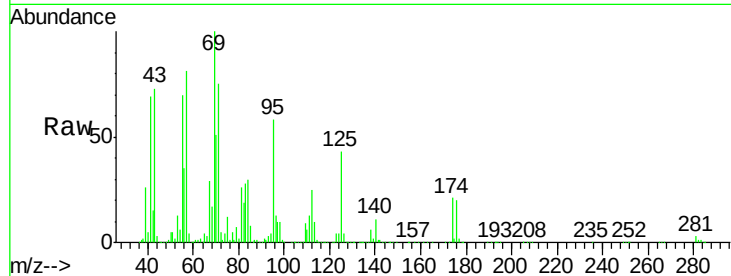
#62
4-Bromofluorobenzene
Concen: 90.130 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW013416.D
Acq: 03 Oct 2019 14:01

Instrument :
MSVOA_W
ClientSampleId :
HR-05-100219

Tot Ion	Ratio	Resp	Lower	Upper
95	100	290635		
174	34.0	0.0	178.4	
176	33.1	0.0	172.2	

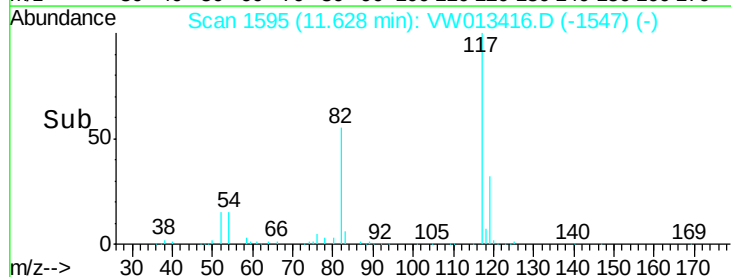
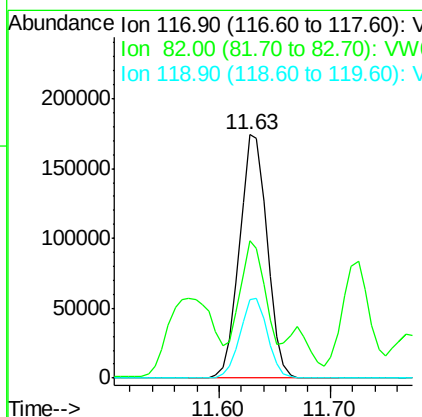
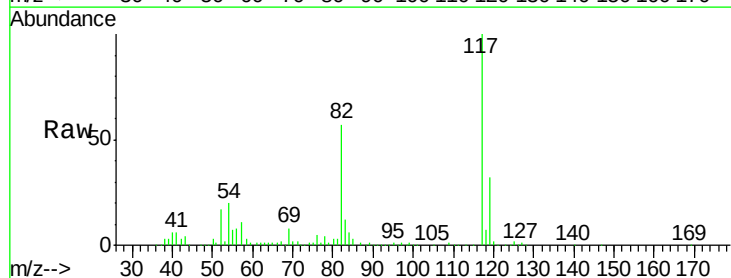
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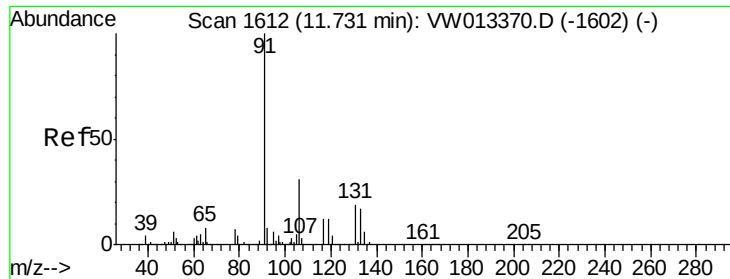
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013416.D
Acq: 03 Oct 2019 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	300360		
82	38.1	45.9	68.9#	
119	32.1	26.2	39.2	





#67

Ethyl Benzene

Concen: 329.487 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW013416.D

Acq: 03 Oct 2019 14:01

Instrument :

MSVOA_W

ClientSampleId :

HR-05-100219

Tot Ion: 91 Resp: 3633751

Ion Ratio Lower Upper

91 100

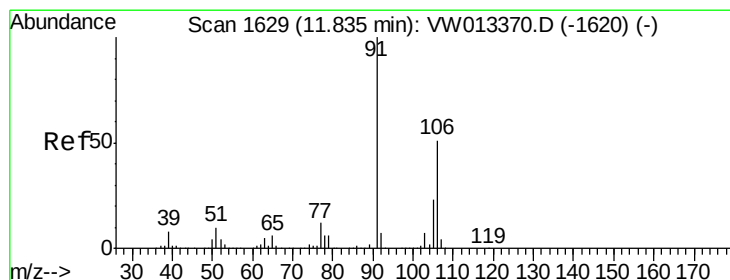
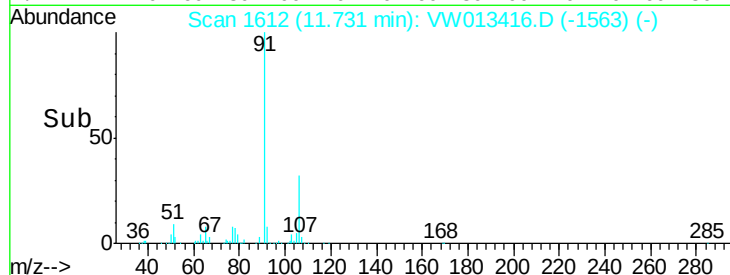
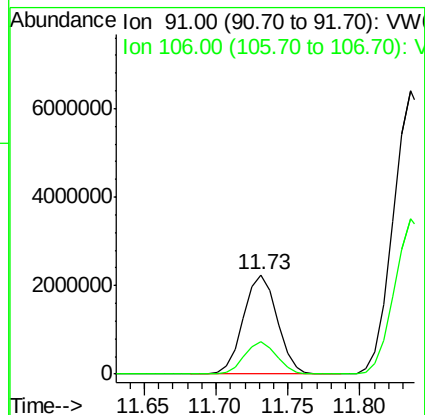
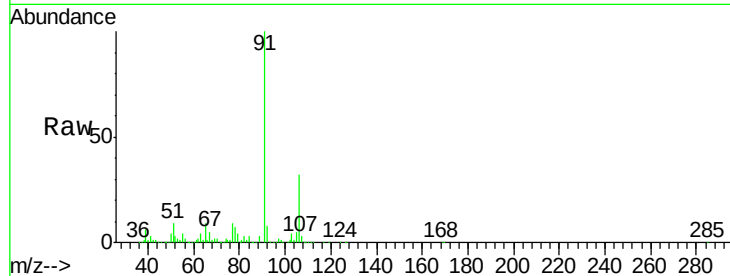
106 32.3 24.9 37.3

Manual Integrations

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#68

m/p-Xylenes

Concen: 1491.990 ug/l

RT: 11.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VW013416.D

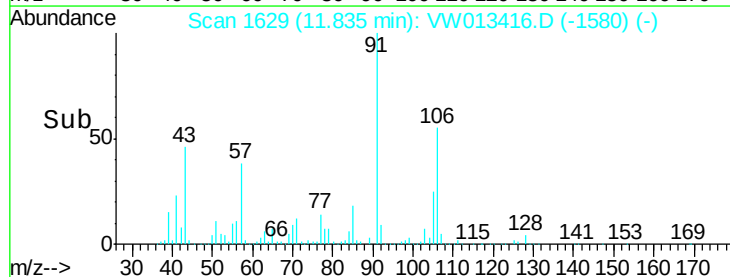
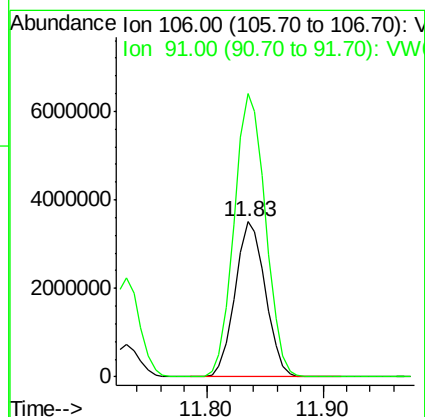
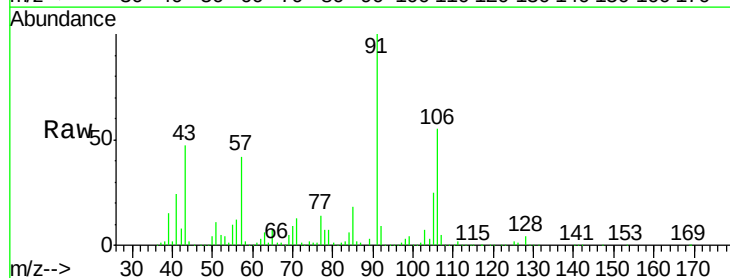
Acq: 03 Oct 2019 14:01

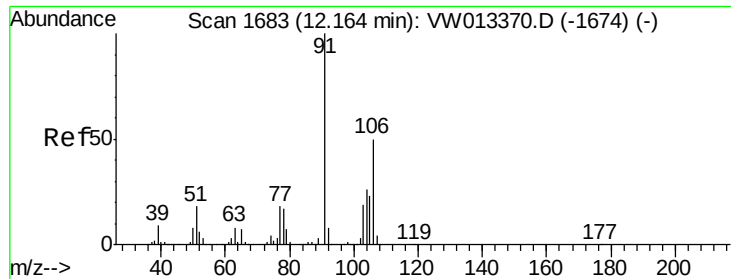
Tgt Ion: 106 Resp: 6351234

Ion Ratio Lower Upper

106 100

91 188.6 157.9 236.9





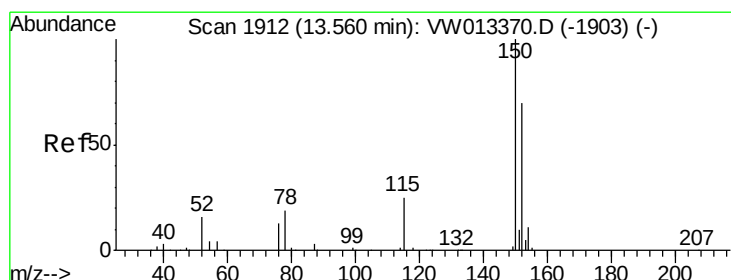
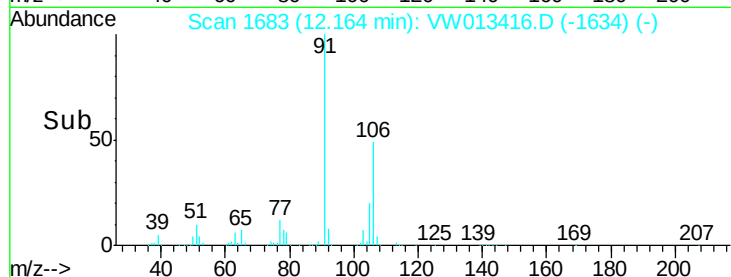
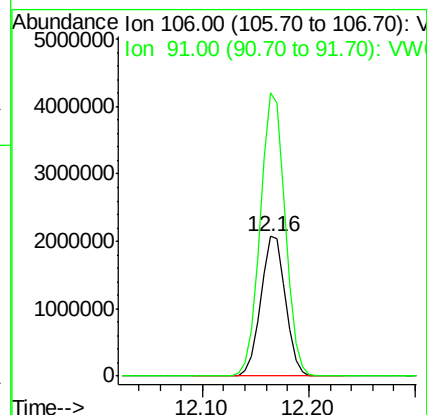
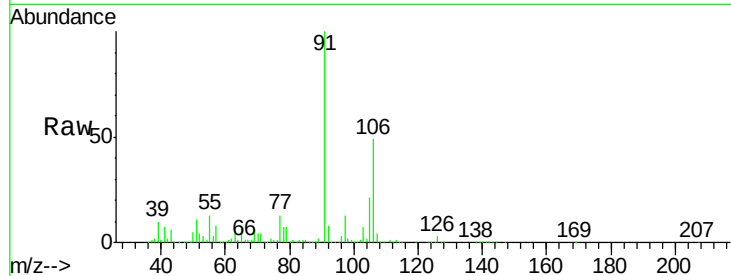
#69
o-Xylene
Concen: 857.487 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013416.D
Acq: 03 Oct 2019 14:01

Instrument :
MSVOA_W
ClientSampleId :
HR-05-100219

Tot Ion:106 Resp: 3374937
Ion Ratio Lower Upper
106 100
91 205.0 106.5 319.5

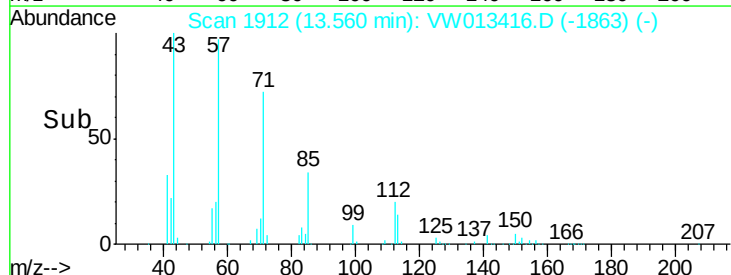
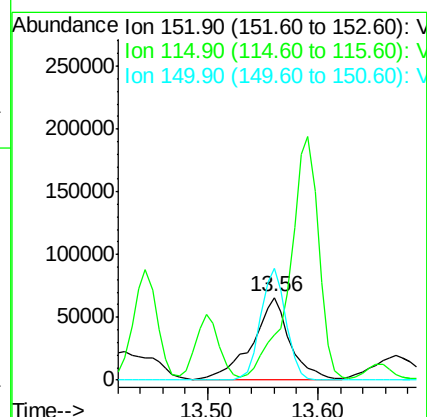
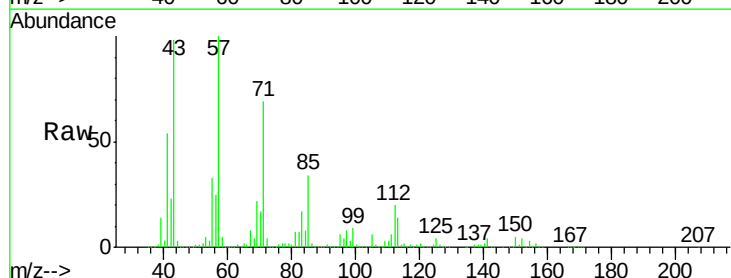
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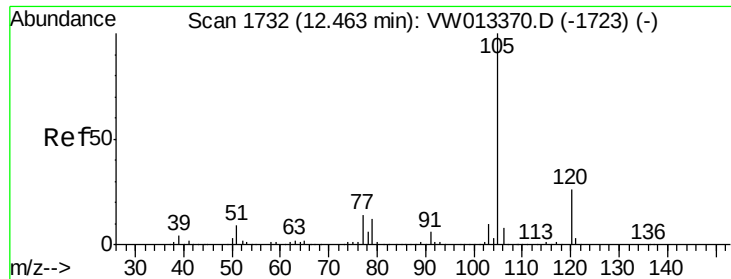
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10/4/2019 12:07:30 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW013416.D
Acq: 03 Oct 2019 14:01

Tgt Ion:152 Resp: 150605
Ion Ratio Lower Upper
152 100
115 0.0 27.3 81.9#
150 94.2 0.0 349.0





#73

Isopropylbenzene

Concen: 95.630 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013416.D

Acq: 03 Oct 2019 14:01

Instrument :

MSVOA_W

ClientSampled :

HR-05-100219

Tot Ion: 105 Resp: 1053495

Ion Ratio Lower Upper

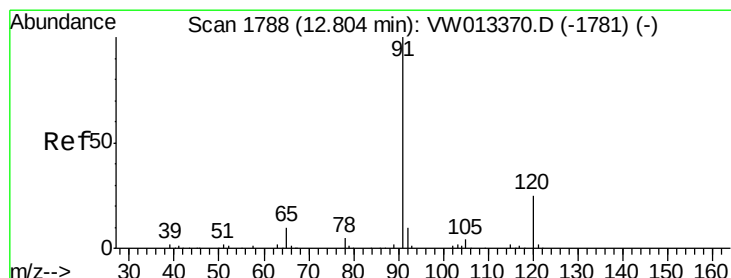
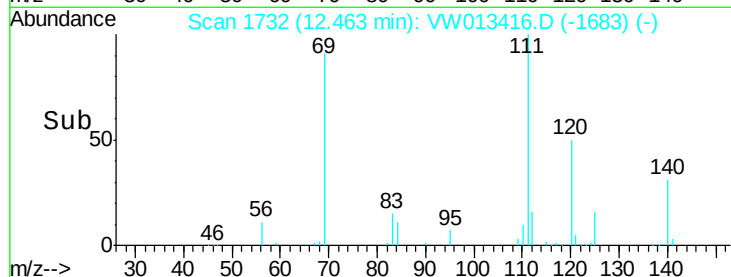
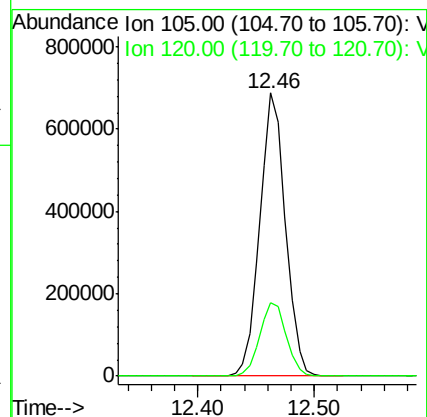
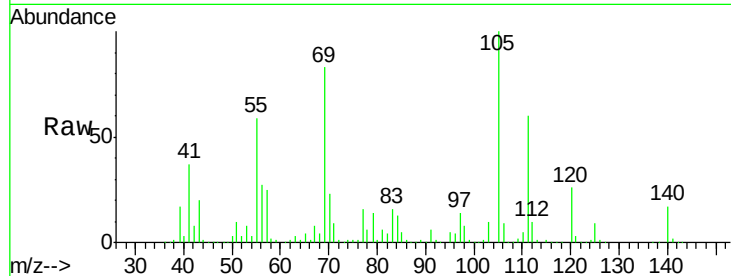
105 100

120 26.9 13.4 40.1

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#78

n-propylbenzene

Concen: 370.224 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW013416.D

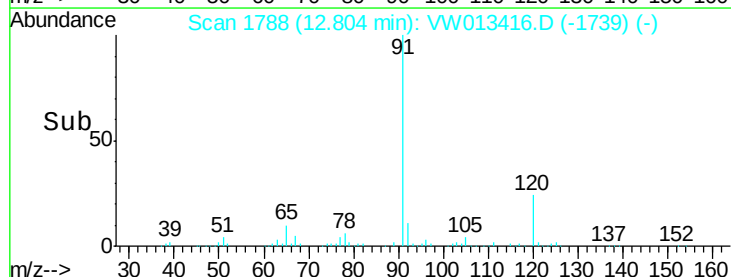
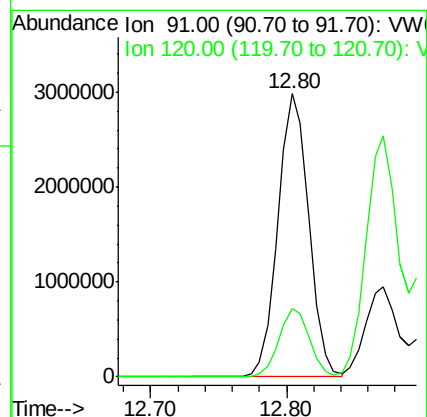
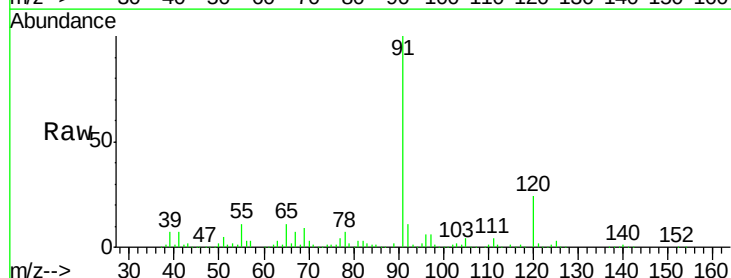
Acq: 03 Oct 2019 14:01

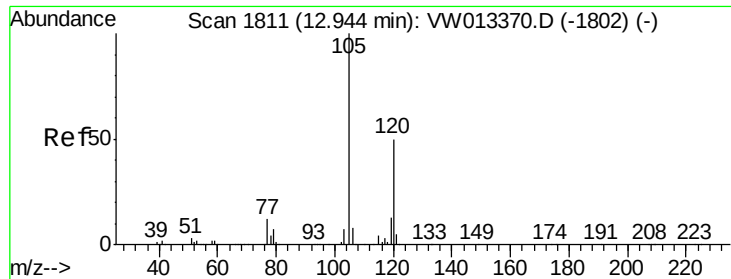
Tgt Ion: 91 Resp: 4691499

Ion Ratio Lower Upper

91 100

120 23.9 11.7 35.1





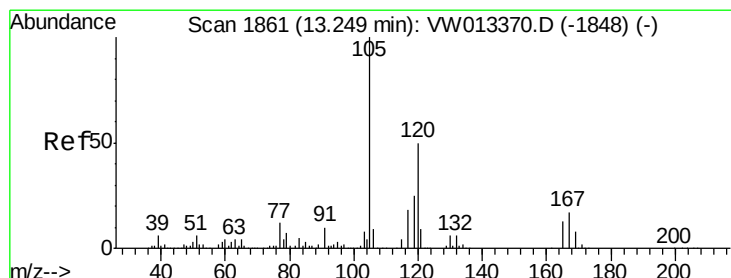
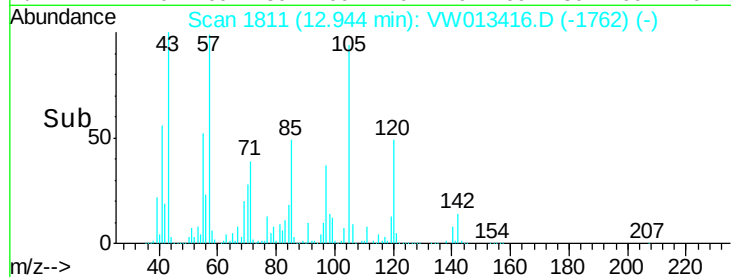
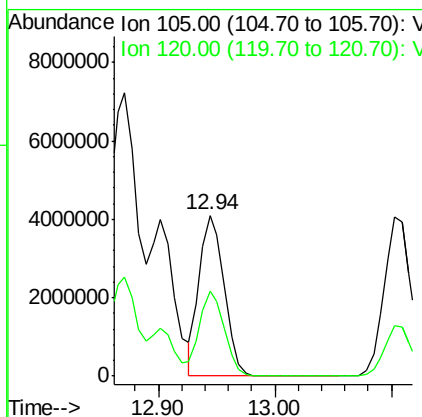
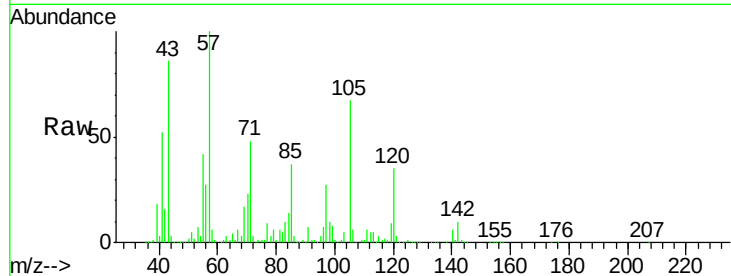
#80
 1,3,5-Trimethylbenzene
 Concen: 660.526 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW013416.D
 Acq: 03 Oct 2019 14:01

Instrument :
 MSVOA_W
 ClientSampleId :
 HR-05-100219

Tot Ion:105 Resp: 6044633
 Ion Ratio Lower Upper
 105 100
 120 54.3 24.9 74.8

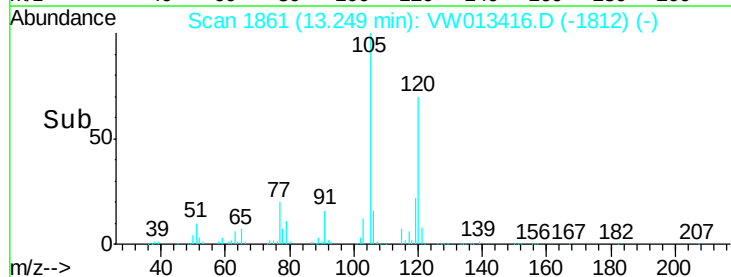
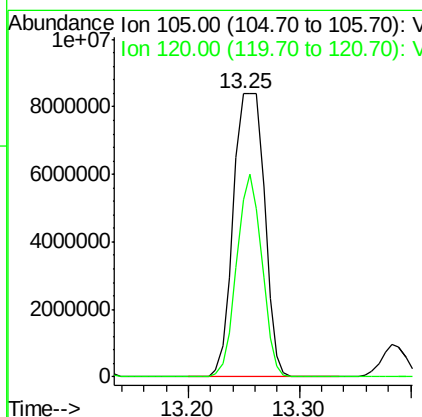
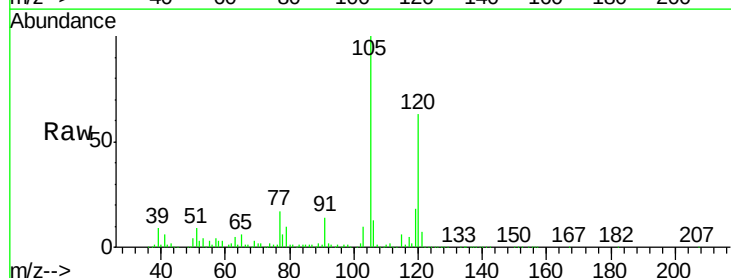
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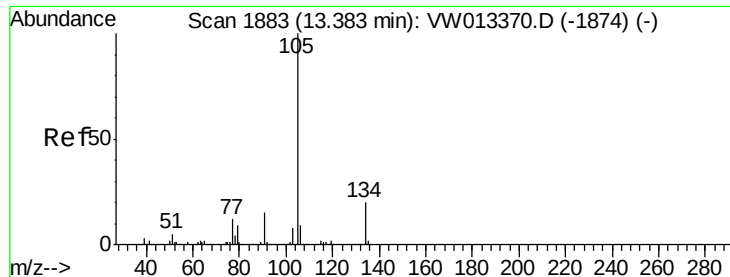
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#84
 1,2,4-Trimethylbenzene
 Concen: 1789.809 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW013416.D
 Acq: 03 Oct 2019 14:01

Tgt Ion:105 Resp:16282582
 Ion Ratio Lower Upper
 105 100
 120 58.0 23.4 70.3





#85

sec-Butylbenzene

Concen: 137.190 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW013416.D

Acq: 03 Oct 2019 14:01

Instrument :

MSVOA_W

ClientSampleId :

HR-05-100219

Tot Ion:105 Resp: 1511915

Ion Ratio Lower Upper

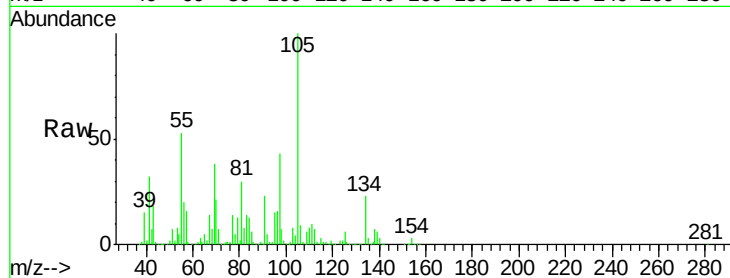
105 100

134 31.6 10.3 30.8#

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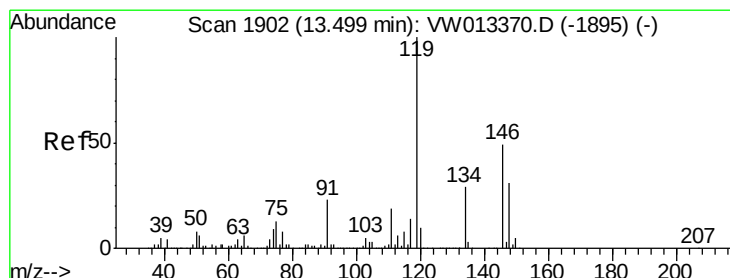
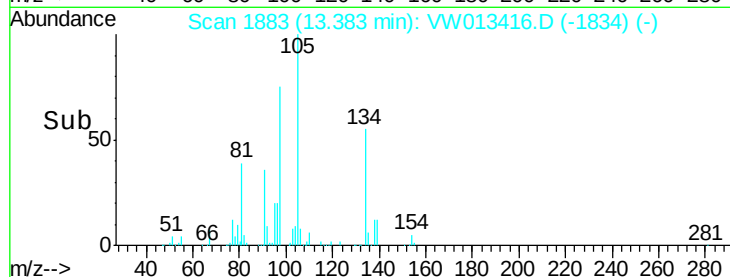
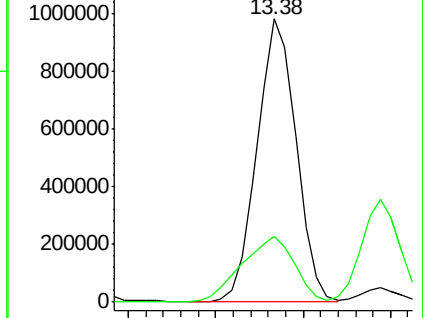
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 107.181 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW013416.D

Acq: 03 Oct 2019 14:01

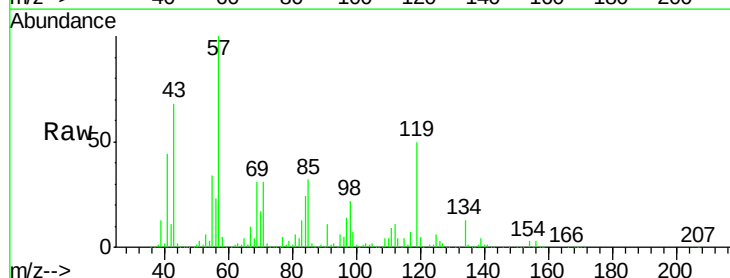
Tgt Ion:119 Resp: 1094682

Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.8

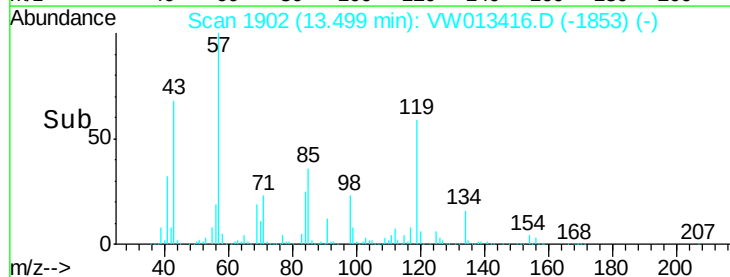
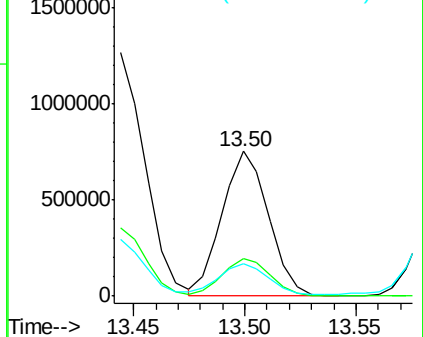
91 21.3 10.8 32.4

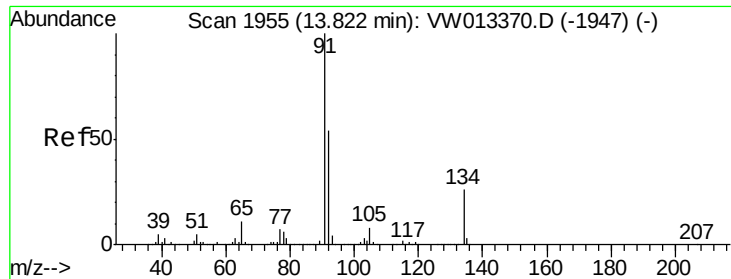


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





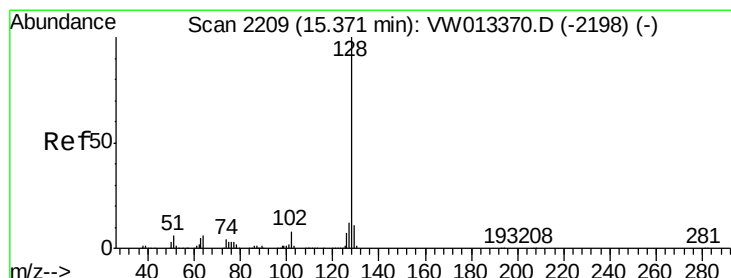
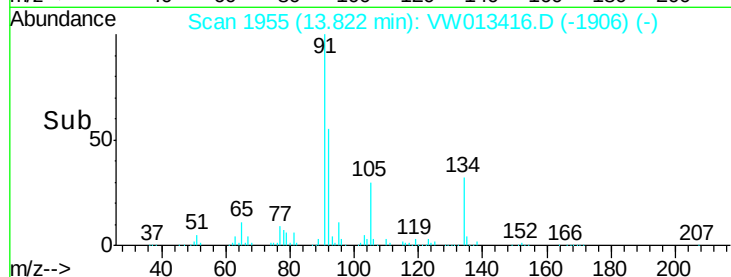
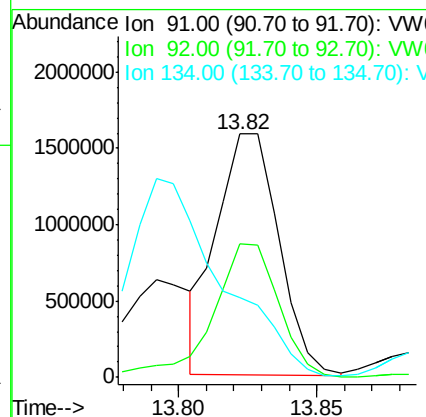
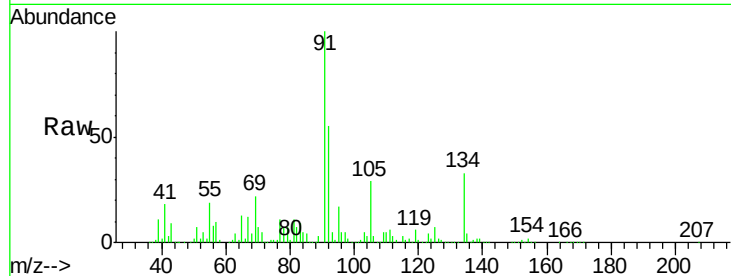
#89
n-Butylbenzene
Concen: 267.114 ug/l m
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW013416.D
Acq: 03 Oct 2019 14:01

Instrument :
MSVOA_W
ClientSampleId :
HR-05-100219

Tot Ion: 91 Resp: 2459583
Ion Ratio Lower Upper
91 100
92 57.4 27.6 82.8
134 0.0 13.7 41.1#

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#95
Naphthalene
Concen: 113.730 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW013416.D
Acq: 03 Oct 2019 14:01

Tgt Ion: 128 Resp: 605722
Ion Ratio Lower Upper
128 100
127 10.7 10.6 15.8
129 7.4 8.7 13.1#

