

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012220\
 Data File : VY001339.D
 Acq On : 22 Jan 2020 18:21
 Operator : SY/MD
 Sample : L1215-01
 Misc : 5.58G/5ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR-200055

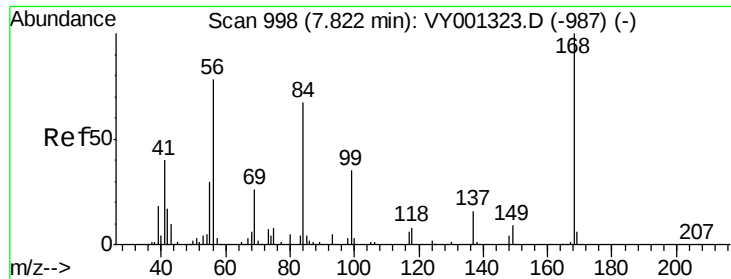
Manual Integrations
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MMDadoda
 1/23/2020 10:56:30 AM

Quant Time: Jan 23 04:11:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 01:21:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.83	168	35063	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.72	114	57012	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.50	117	43562	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	18165	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.18	65	13139	34.44	ug/l	0.01
Spiked Amount 50.000			Recovery	=	68.88%	
35) Dibromofluoromethane	7.76	113	14956	44.70	ug/l	0.01
Spiked Amount 50.000			Recovery	=	89.40%	
50) Toluene-d8	10.20	98	65846	50.65	ug/l	0.01
Spiked Amount 50.000			Recovery	=	101.30%	
62) 4-Bromofluorobenzene	12.49	95	19618	37.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	75.78%	
Target Compounds						
					Qvalue	
39) Methylcyclohexane	9.21	83	9656	13.994	ug/l	89
40) Benzene	8.19	78	6505	4.028	ug/l	97
52) Toluene	10.27	92	65093	63.582	ug/l	99
67) Ethyl Benzene	11.61	91	240178	141.934	ug/l	99
68) m/p-Xylenes	11.71	106	406551	643.265	ug/l	98
69) o-Xylene	12.04	106	119917	197.233	ug/l	99
73) Isopropylbenzene	12.34	105	53450	37.290	ug/l	100
78) n-propylbenzene	12.68	91	164687	95.456	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	206302	172.426	ug/l	97
84) 1,2,4-Trimethylbenzene	13.13	105	765152	636.979	ug/l	99
85) sec-Butylbenzene	13.26	105	15298m	10.676	ug/l	
86) p-Isopropyltoluene	13.37	119	7983m	6.322	ug/l	
89) n-Butylbenzene	13.70	91	27991	22.026	ug/l #	73
95) Naphthalene	15.25	128	41230	47.644	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.83 min Scan# 999

Delta R.T. 0.01 min

Lab File: VY001339.D

Acq: 22 Jan 2020 18:21

Instrument :

MSVOA_Y

ClientSampleId :

RBR-200055

Tot Ion:168 Resp: 35063

Ion Ratio Lower Upper

168 100

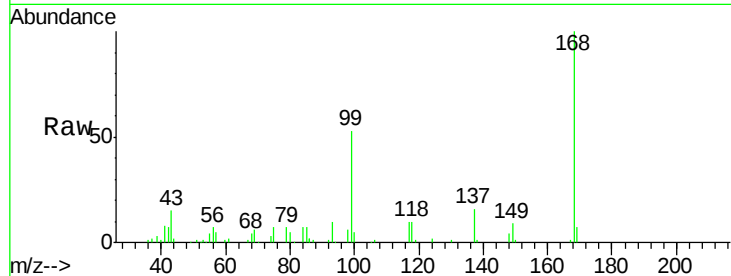
99 53.4 44.3 66.5

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Abundance Ion 167.90 (167.60 to 168.60): VY001339.D (-949) (-)

Ion 98.90 (98.60 to 99.60): VY001339.D (-949) (-)

7.83

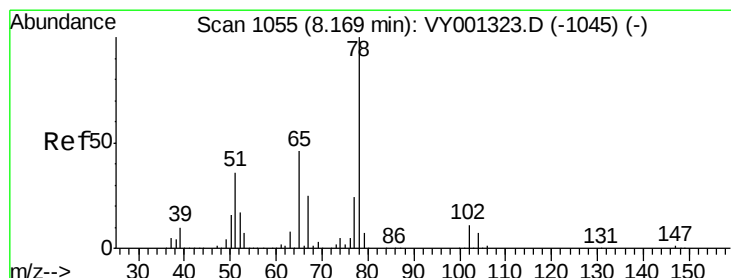
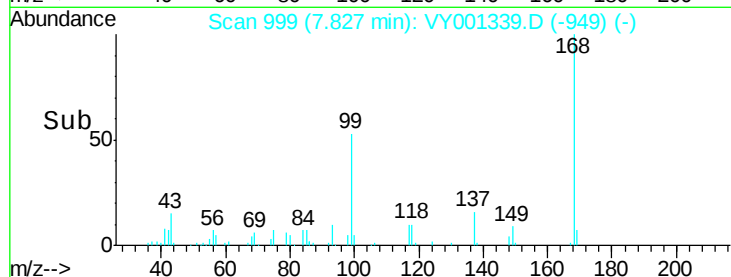
15000

10000

5000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 34.437 ug/l

RT: 8.18 min Scan# 1057

Delta R.T. 0.01 min

Lab File: VY001339.D

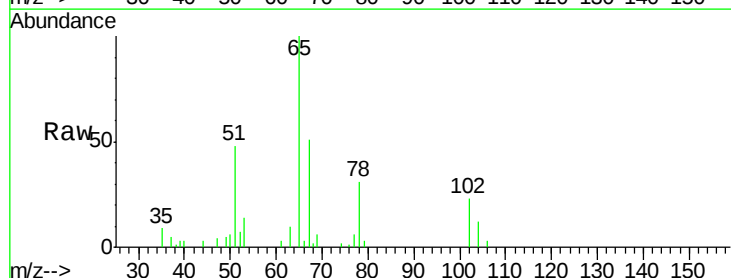
Acq: 22 Jan 2020 18:21

Tgt Ion: 65 Resp: 13139

Ion Ratio Lower Upper

65 100

67 53.3 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VY001339.D (-1006) (-)

Ion 66.90 (66.60 to 67.60): VY001339.D (-1006) (-)

8.18

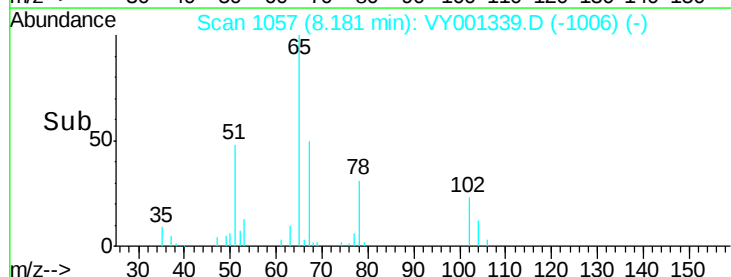
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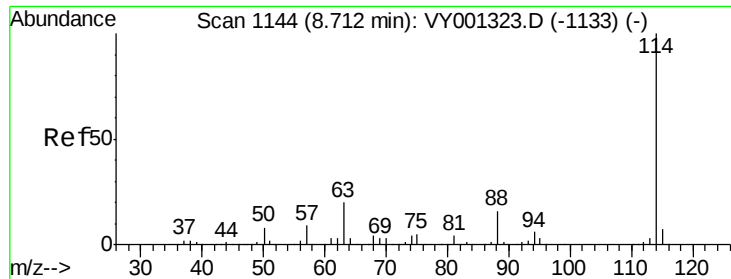
4000

2000

0

Time-->





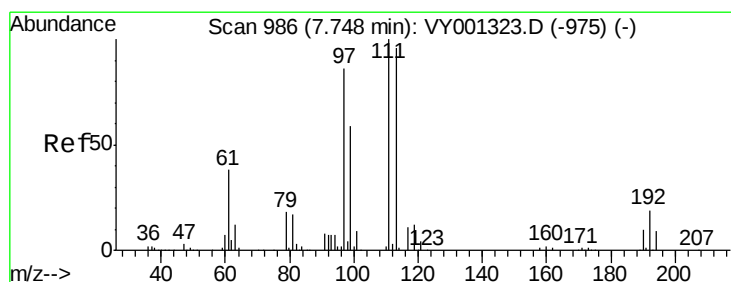
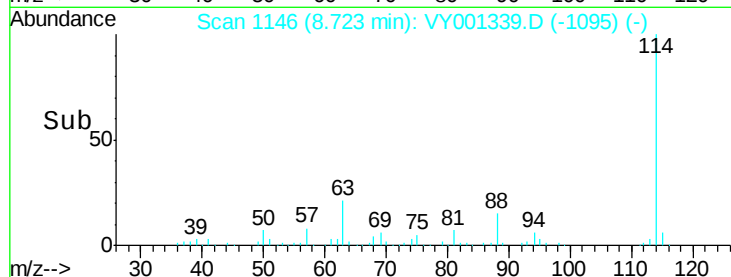
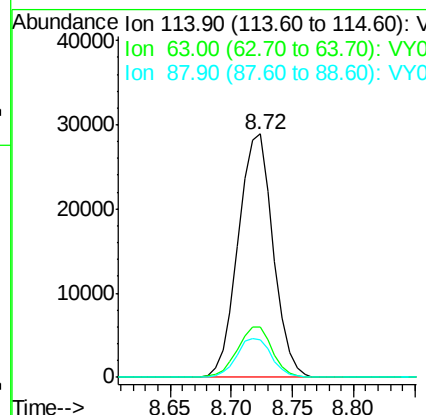
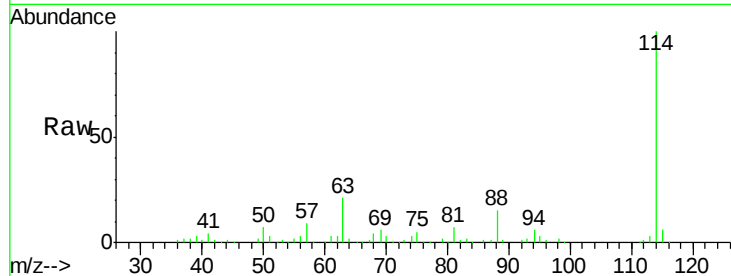
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.72 min Scan# 1146
 Delta R.T. 0.01 min
 Lab File: VY001339.D
 Acq: 22 Jan 2020 18:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR-200055

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	20.8	0.0	40.8
88	15.4	0.0	31.0

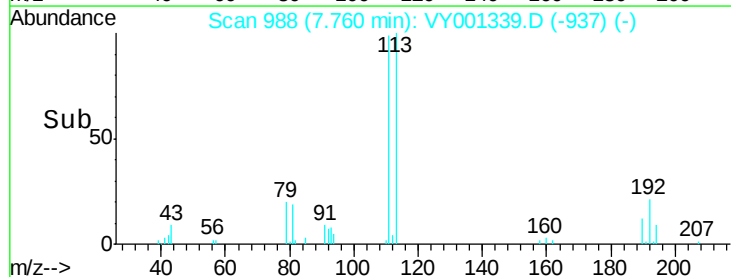
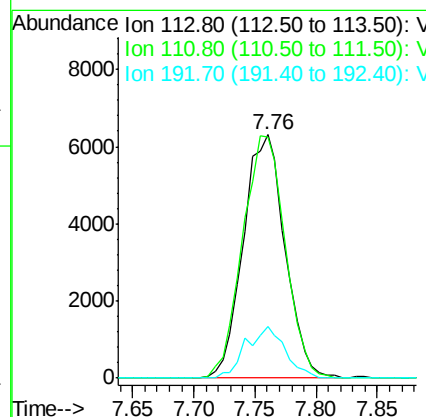
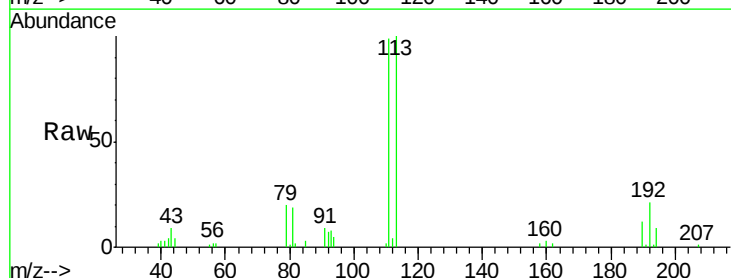
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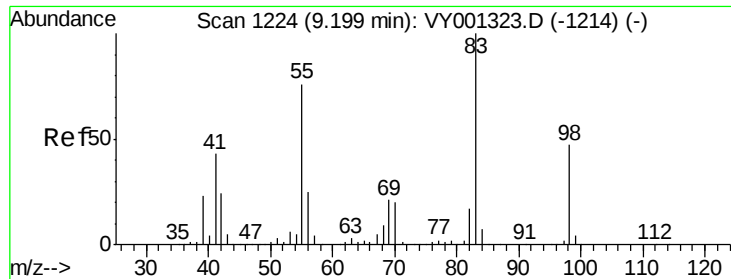
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#35
 Dibromofluoromethane
 Concen: 44.697 ug/l
 RT: 7.76 min Scan# 988
 Delta R.T. 0.01 min
 Lab File: VY001339.D
 Acq: 22 Jan 2020 18:21

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	101.9	82.8	124.2
192	19.9	15.5	23.3





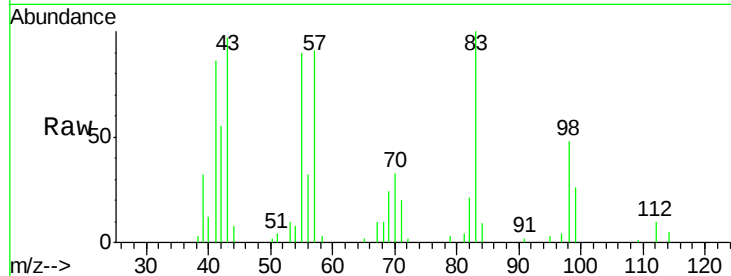
#39
Methvlcvclohexane
Concen: 13.994 ug/l
RT: 9.21 min Scan# 1225
Delta R.T. 0.01 min
Lab File: VY001339.D
Acq: 22 Jan 2020 18:21

Instrument :
MSVOA_Y
ClientSampleId :
RBR-200055

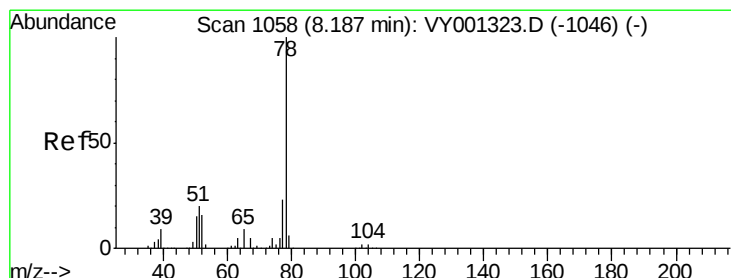
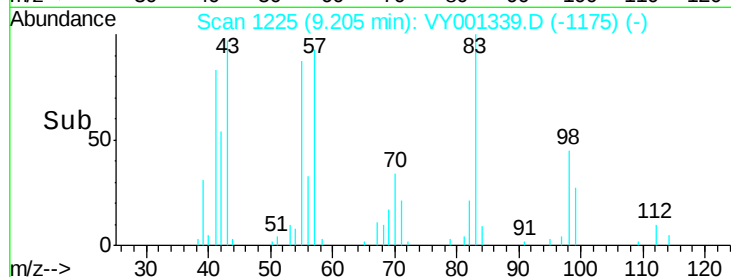
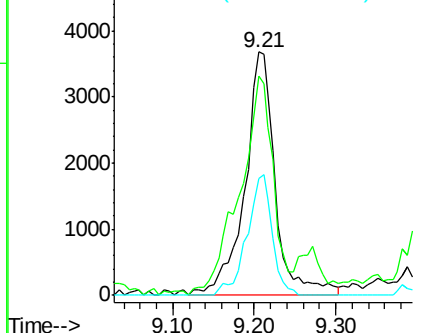
Tot Ion	83	Resp	9656
Ion Ratio	100	Lower	Upper
83	100		
55	90.3	60.7	91.1
98	48.0	37.8	56.8

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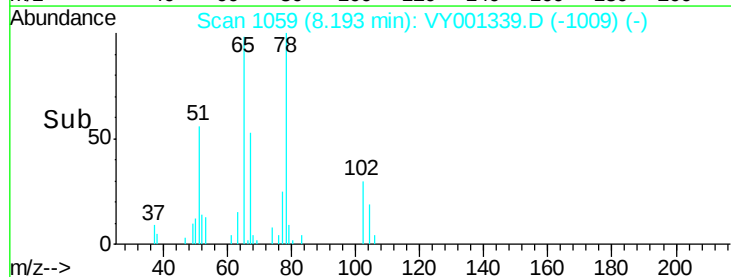
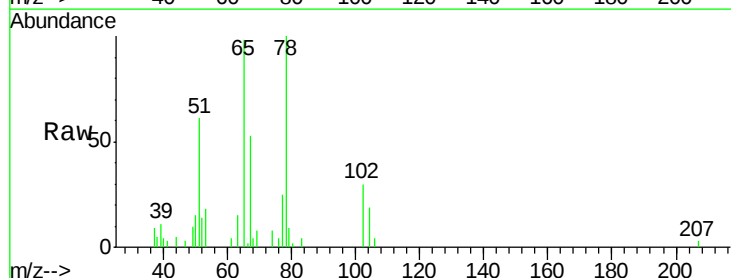
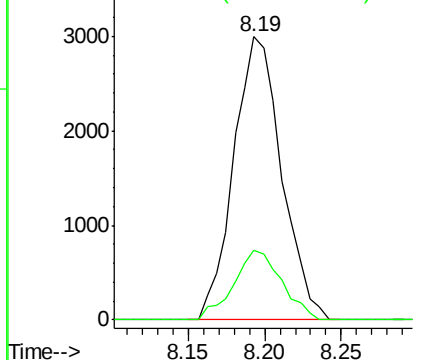
Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

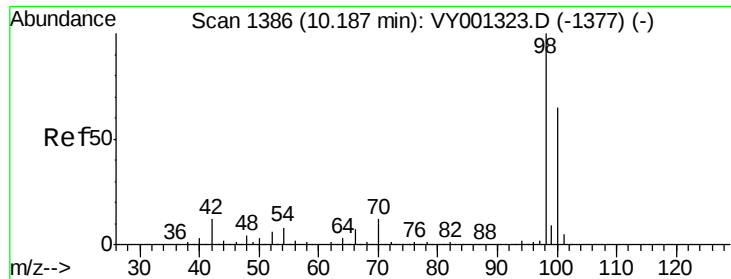


#40
Benzene
Concen: 4.028 ug/l
RT: 8.19 min Scan# 1059
Delta R.T. 0.01 min
Lab File: VY001339.D
Acq: 22 Jan 2020 18:21

Tgt Ion	78	Resp	6505
Ion Ratio	100	Lower	Upper
78	100		
77	24.8	18.6	27.8

Abundance Ion 78.00 (77.70 to 78.70): VY0
Ion 77.00 (76.70 to 77.70): VY0





#50

Toluene-d8

Concen: 50.650 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VY001339.D

Acq: 22 Jan 2020 18:21

Instrument :

MSVOA_Y

ClientSampleId :

RBR-200055

Tot Ion: 98 Resp: 65846

Ion Ratio Lower Upper

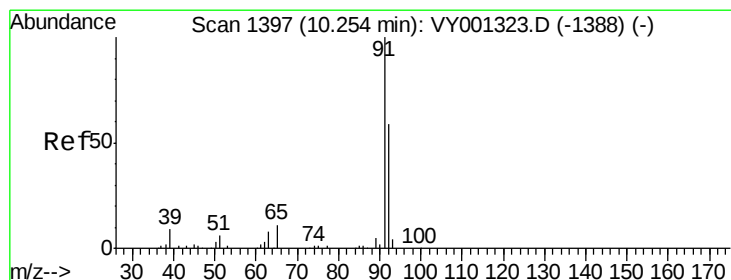
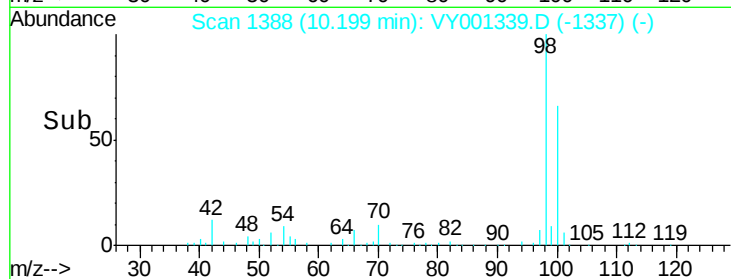
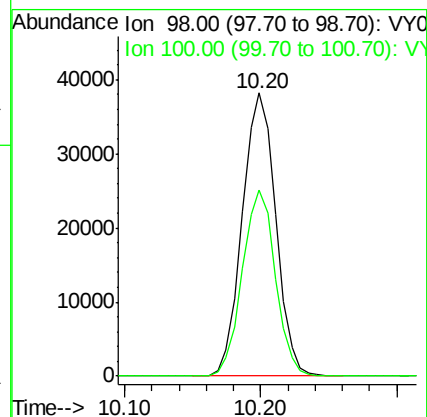
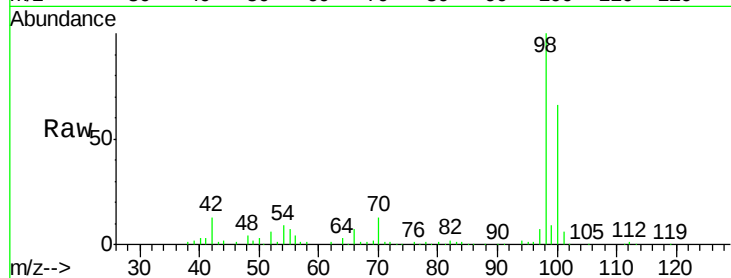
98 100

100 64.6 52.6 79.0

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#52

Toluene

Concen: 63.582 ug/l

RT: 10.27 min Scan# 1399

Delta R.T. 0.01 min

Lab File: VY001339.D

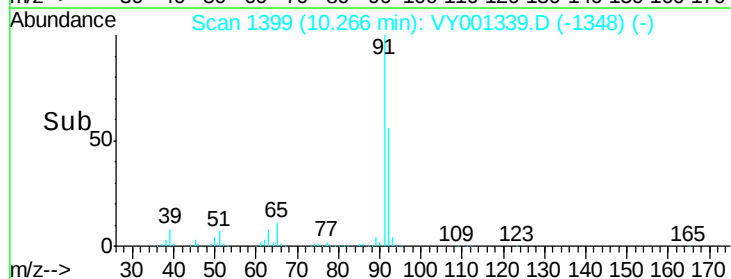
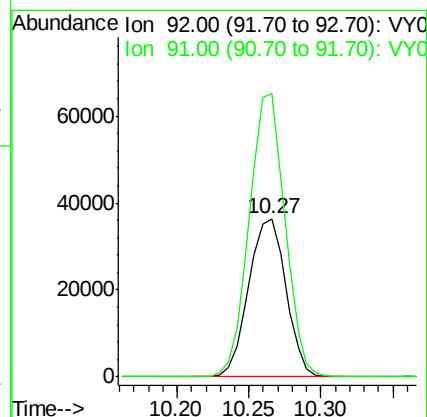
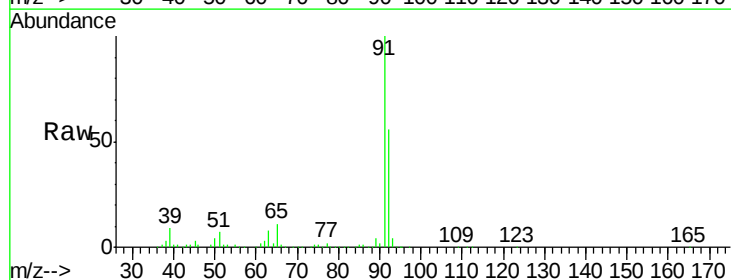
Acq: 22 Jan 2020 18:21

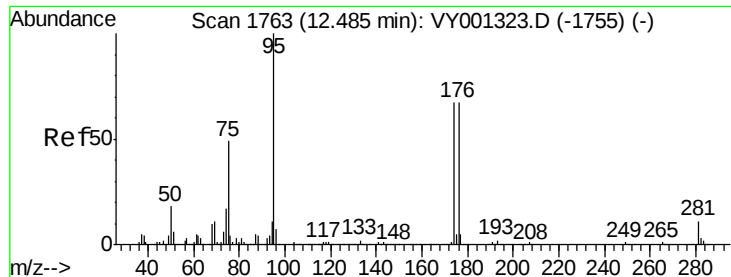
Tgt Ion: 92 Resp: 65093

Ion Ratio Lower Upper

92 100

91 172.1 136.4 204.6





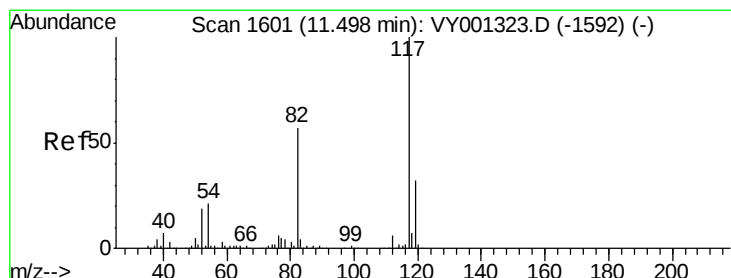
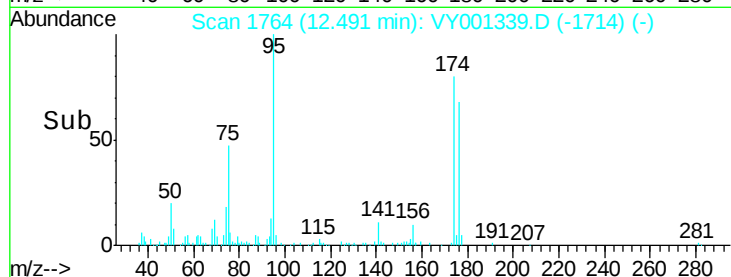
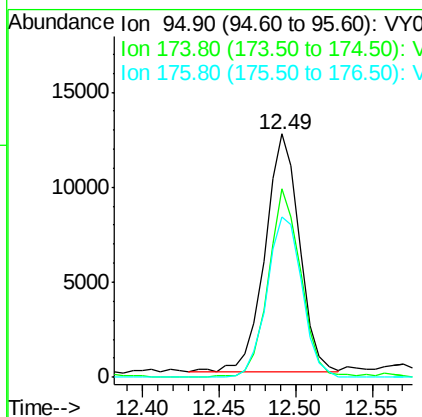
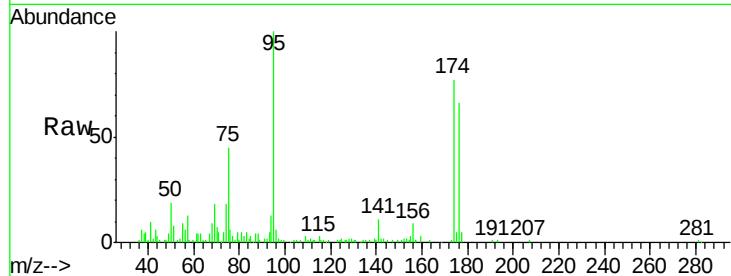
#62
4-Bromofluorobenzene
Concen: 37.894 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VY001339.D
Acq: 22 Jan 2020 18:21

Instrument :
MSVOA_Y
ClientSampleId :
RBR-200055

Tot Ion	Ratio	Resp	Lower	Upper
95	100	19618		
174	74.9	0.0	142.0	
176	68.6	0.0	138.6	

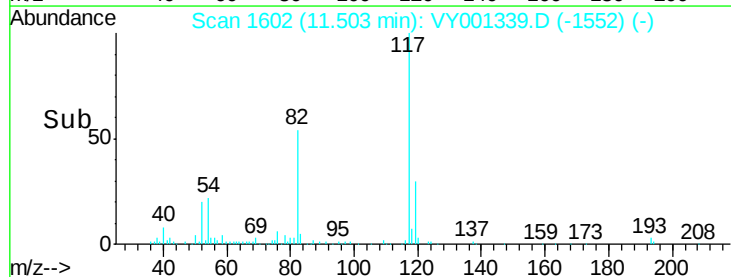
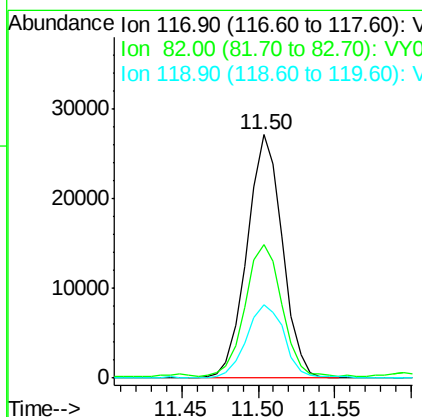
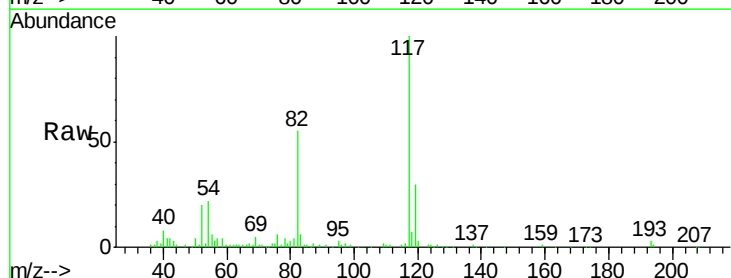
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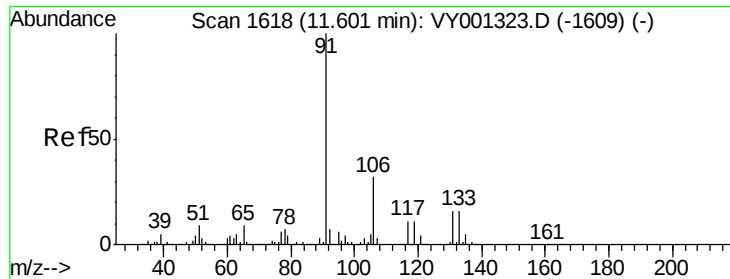
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY001339.D
Acq: 22 Jan 2020 18:21

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	43562		
82	53.7	45.5	68.3	
119	30.4	25.8	38.6	





#67

Ethyl Benzene

Concen: 141.934 ug/l

RT: 11.61 min Scan# 1619

Delta R.T. 0.01 min

Lab File: VY001339.D

Acq: 22 Jan 2020 18:21

Instrument :

MSVOA_Y

ClientSampleId :

RBR-200055

Tot Ion: 91 Resp: 240178

Ion Ratio Lower Upper

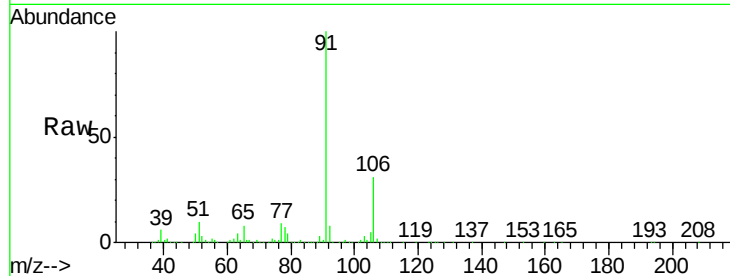
91 100

106 30.9 25.4 38.0

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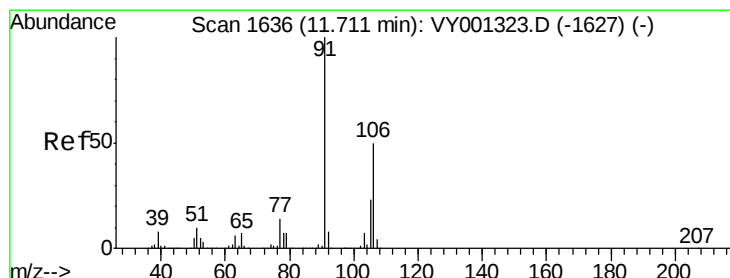
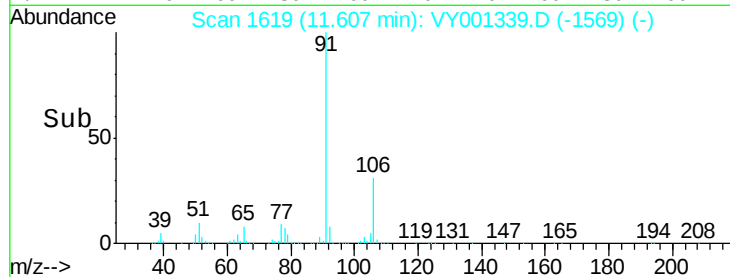
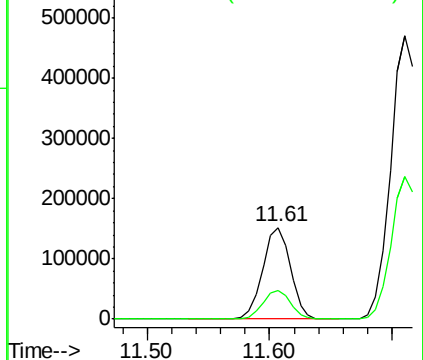
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Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 643.265 ug/l

RT: 11.71 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VY001339.D

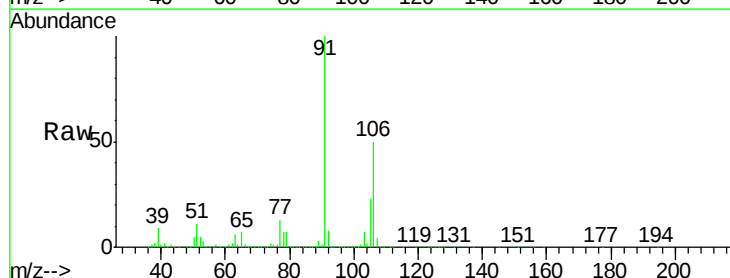
Acq: 22 Jan 2020 18:21

Tgt Ion: 106 Resp: 406551

Ion Ratio Lower Upper

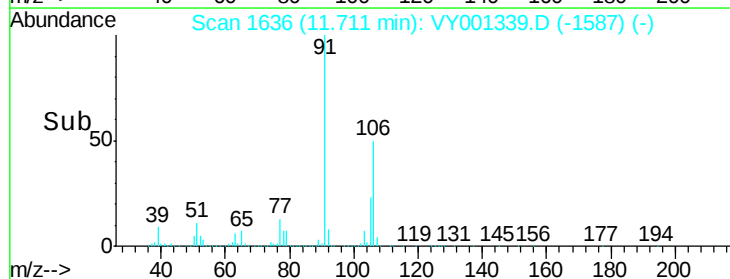
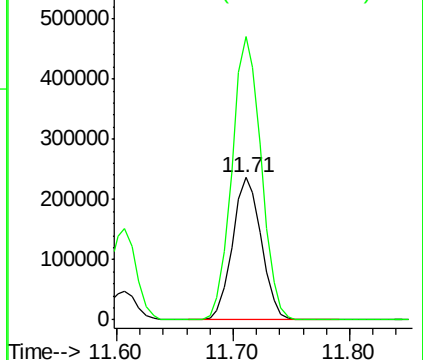
106 100

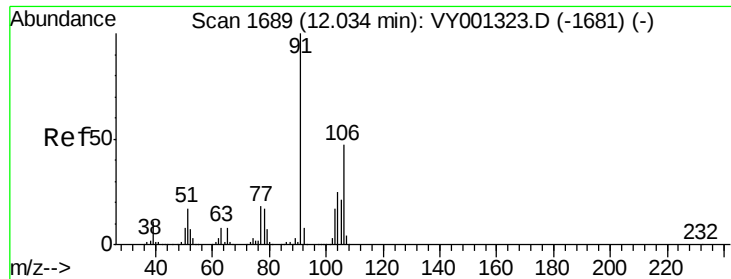
91 201.2 162.8 244.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0





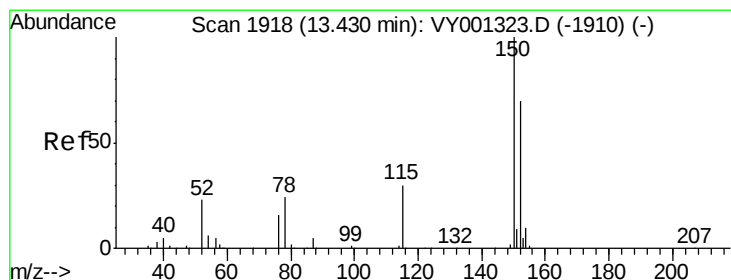
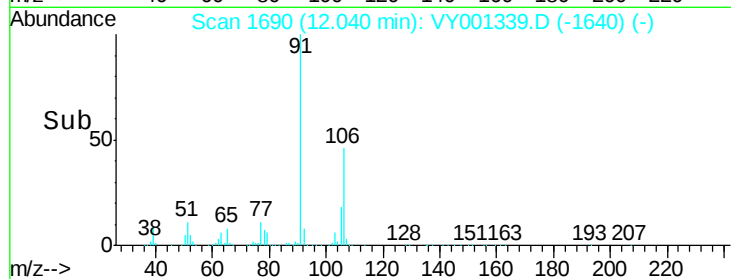
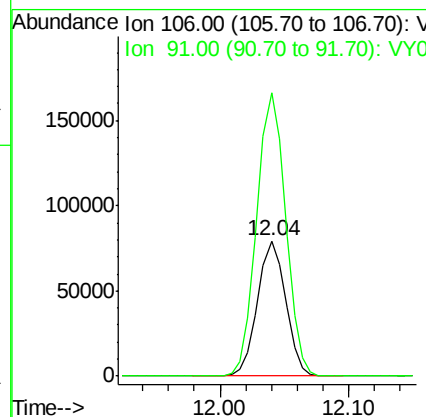
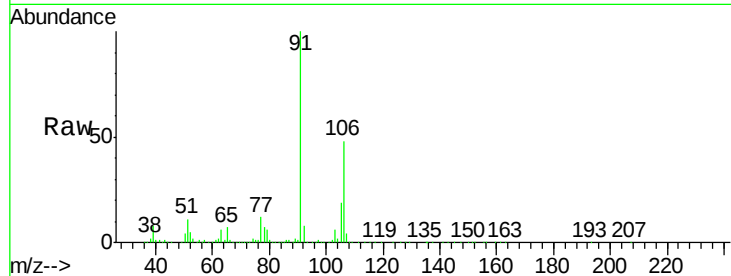
#69
o-Xylene
Concen: 197.233 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VY001339.D
Acq: 22 Jan 2020 18:21

Instrument :
MSVOA_Y
ClientSampleId :
RBR-200055

Tot Ion	Ratio	Lower	Upper
106	100		
91	213.9	106.3	319.0

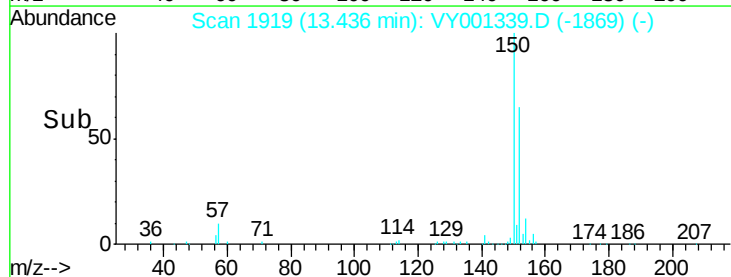
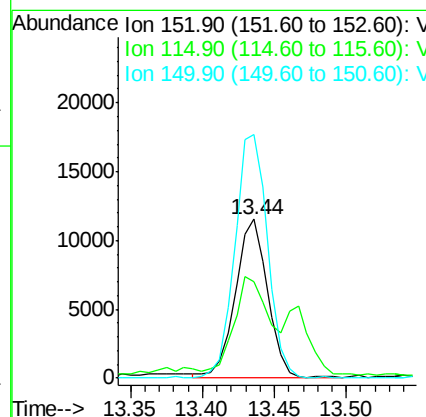
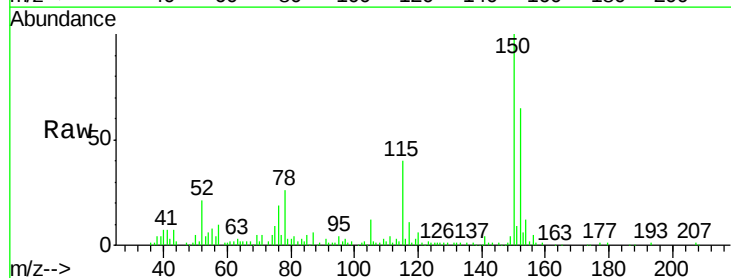
Manual Integrations
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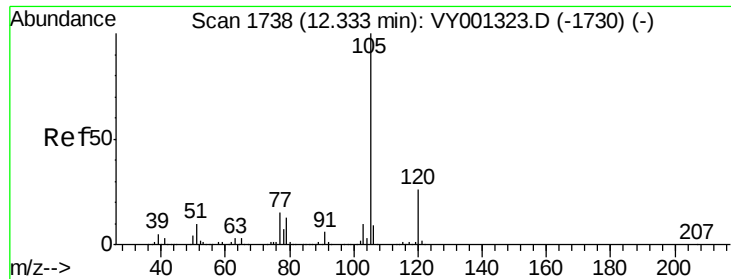
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.01 min
Lab File: VY001339.D
Acq: 22 Jan 2020 18:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.5	30.9	92.8
150	154.2	0.0	349.2





#73

Isopropylbenzene

Concen: 37.290 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. 0.01 min

Lab File: VY001339.D

Acq: 22 Jan 2020 18:21

Instrument :

MSVOA_Y

ClientSampleId :

RBR-200055

Tot Ion:105 Resp: 53450

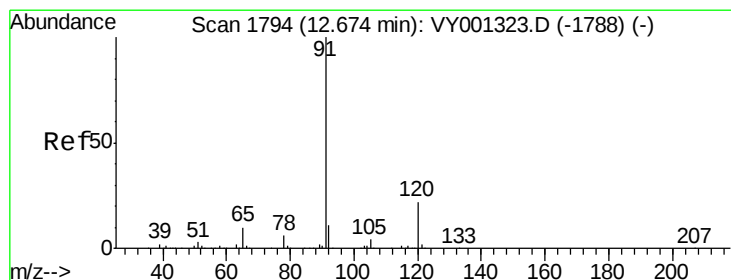
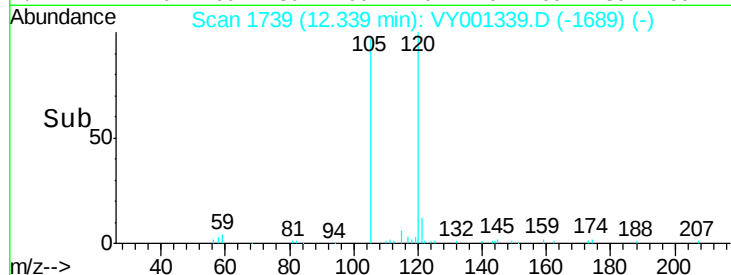
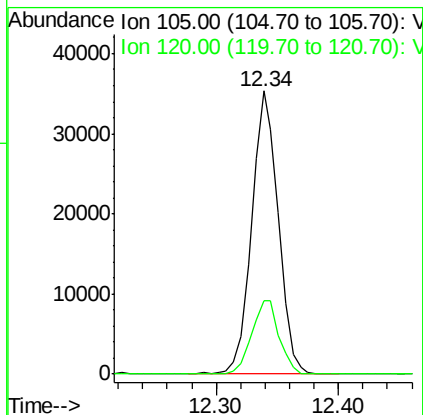
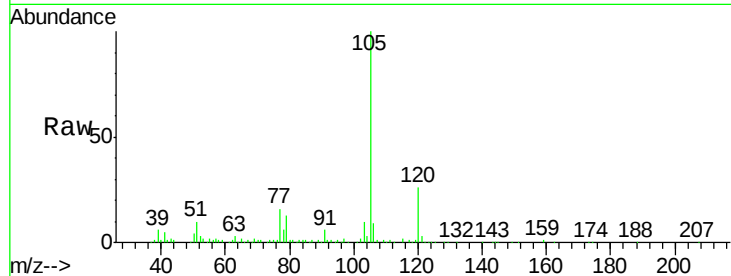
Ion Ratio Lower Upper

105 100

120 27.0 13.5 40.4

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#78

n-propylbenzene

Concen: 95.456 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. 0.01 min

Lab File: VY001339.D

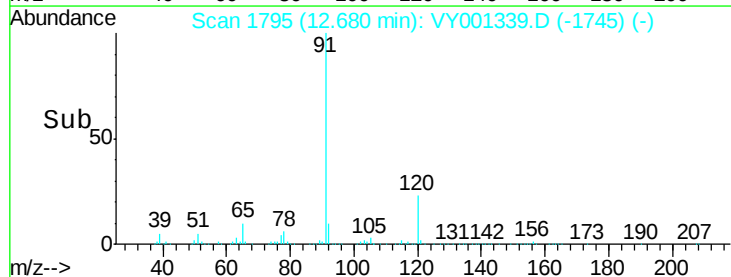
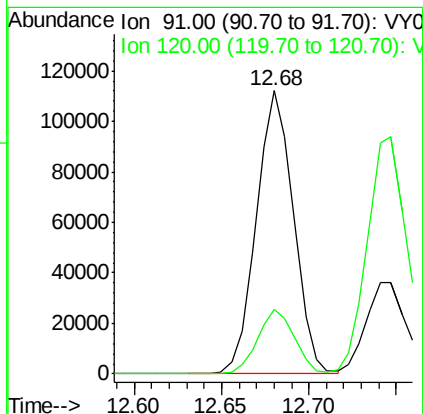
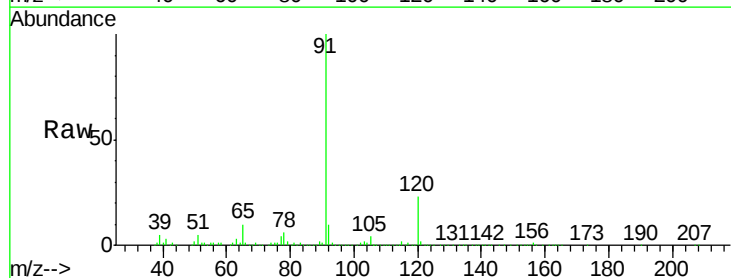
Acq: 22 Jan 2020 18:21

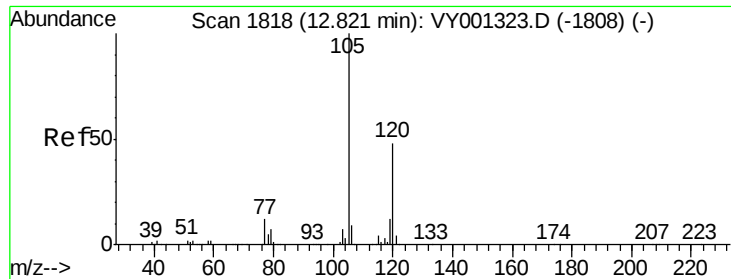
Tgt Ion: 91 Resp: 164687

Ion Ratio Lower Upper

91 100

120 22.7 11.3 33.8





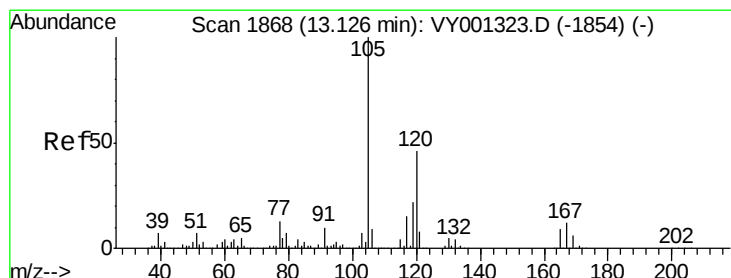
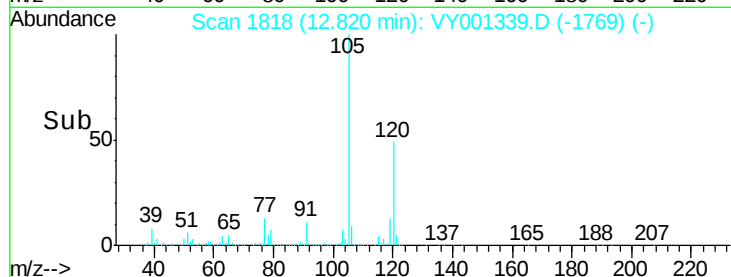
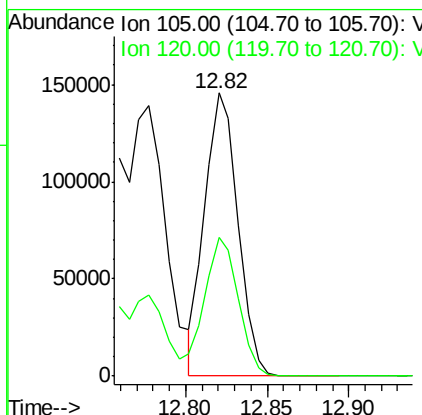
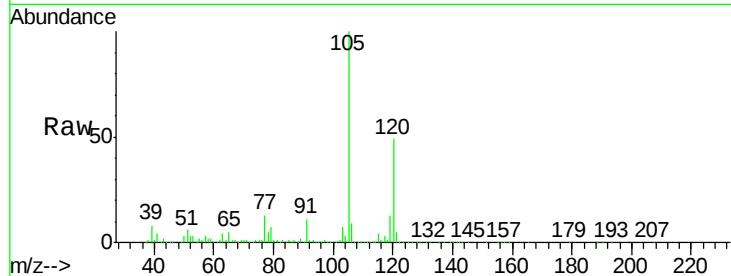
#80
 1,3,5-Trimethylbenzene
 Concen: 172.426 ug/l
 RT: 12.82 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VY001339.D
 Acq: 22 Jan 2020 18:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR-200055

Tot Ion	Ratio	Lower	Upper
105	100		
120	50.8	24.3	72.9

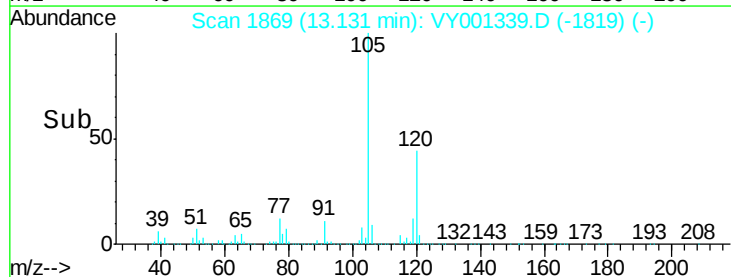
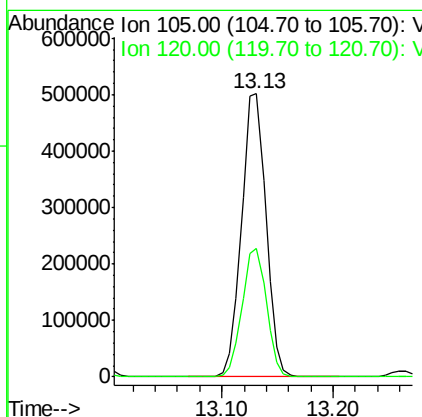
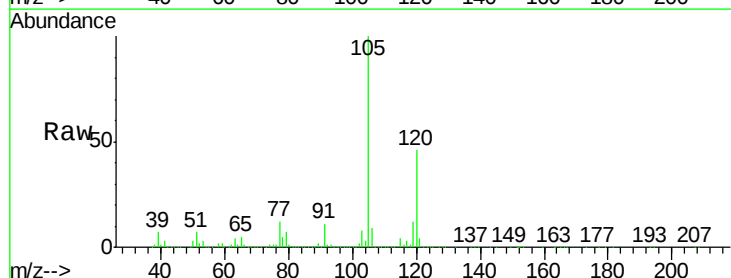
Manual Integrations
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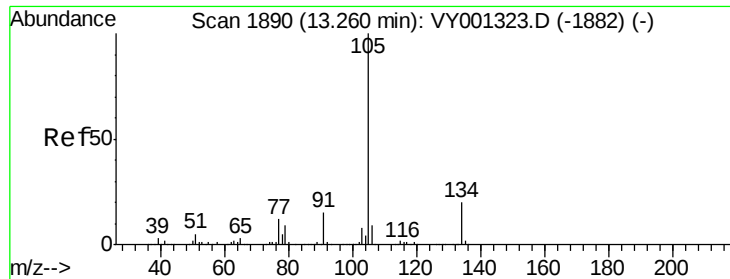
MMDadoda
 1/23/2020 10:56:30 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 636.979 ug/l
 RT: 13.13 min Scan# 1869
 Delta R.T. 0.01 min
 Lab File: VY001339.D
 Acq: 22 Jan 2020 18:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.4	67.3





#85

sec-Butylbenzene

Concen: 10.676 ug/l m

RT: 13.26 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VY001339.D

Acq: 22 Jan 2020 18:21

Instrument :

MSVOA_Y

ClientSampled :

RBR-200055

Tot Ion:105 Resp: 15298

Ion Ratio Lower Upper

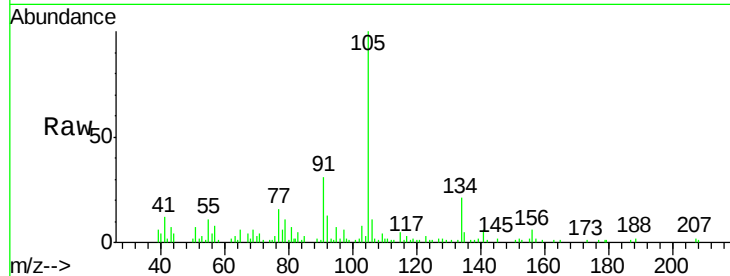
105 100

134 0.0 9.8 29.4#

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

13.26

10000

8000

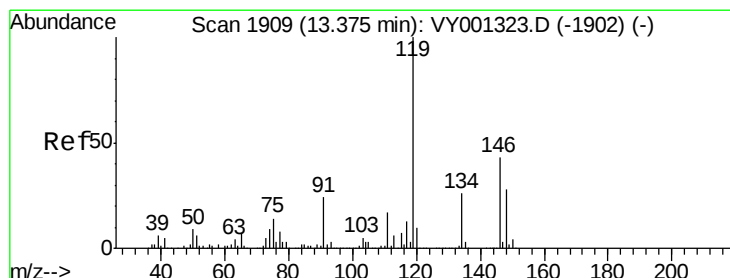
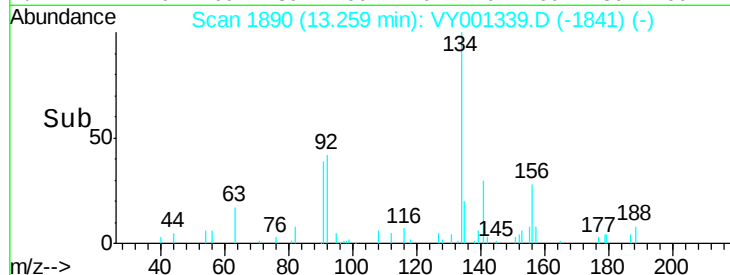
6000

4000

2000

0

Time-->



#86

p-Isopropyltoluene

Concen: 6.322 ug/l m

RT: 13.37 min Scan# 1909

Delta R.T. -0.00 min

Lab File: VY001339.D

Acq: 22 Jan 2020 18:21

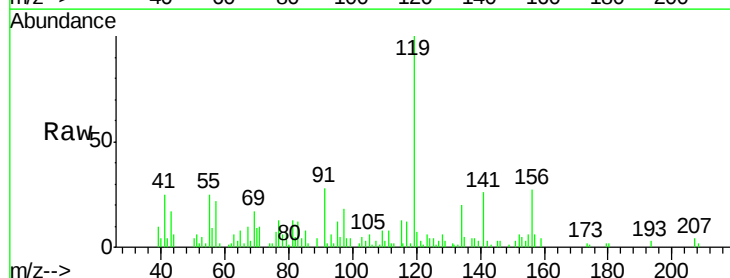
Tgt Ion:119 Resp: 7983

Ion Ratio Lower Upper

119 100

134 79.5 13.5 40.4#

91 67.2 12.2 36.6#



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): VY0

20000

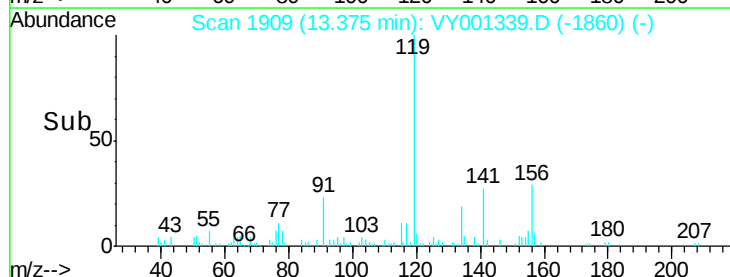
15000

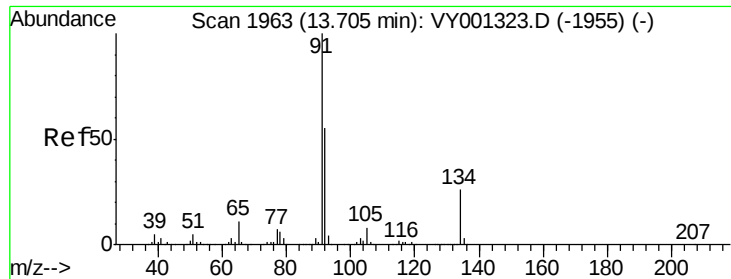
10000

5000

0

Time-->





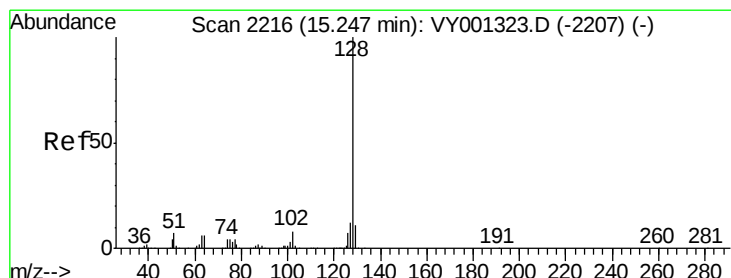
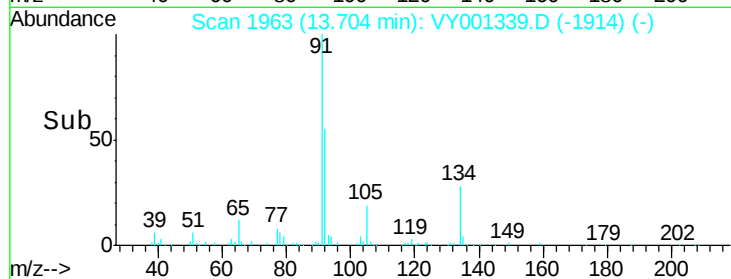
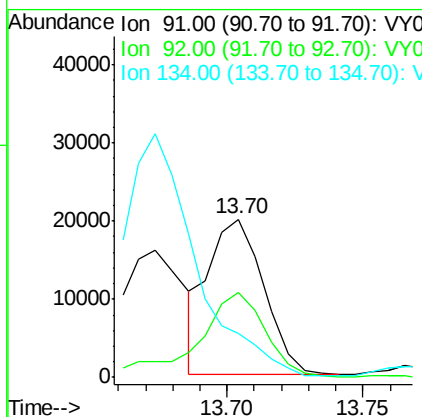
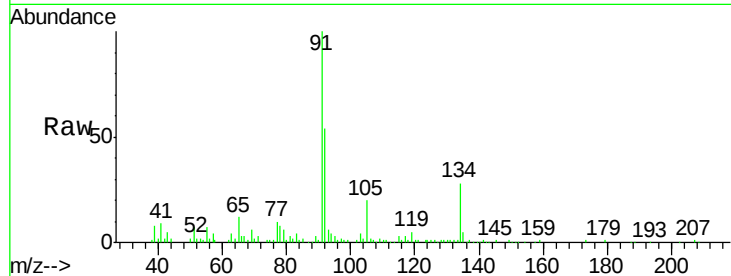
#89
n-Butylbenzene
Concen: 22.026 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VY001339.D
Acq: 22 Jan 2020 18:21

Instrument :
MSVOA_Y
ClientSampled :
RBR-200055

Tot Ion	Ratio	Lower	Upper
91	100		
92	66.8	27.6	82.8
134	0.0	12.9	38.6

Manual Integrations
APPROVED

MMDadoda
1/23/2020 10:56:30 AM



#95
Naphthalene
Concen: 47.644 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. -0.00 min
Lab File: VY001339.D
Acq: 22 Jan 2020 18:21

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.2	15.2
129	11.6	8.7	13.1

