

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012320\
 Data File : VY001352.D
 Acq On : 23 Jan 2020 14:35
 Operator : SY/MD
 Sample : L1215-01
 Misc : 5.10G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR-200055

Manual Integrations
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MMDadoda
 1/24/2020 4:03:34 PM

Quant Time: Jan 24 07:48:48 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	7.82	168	166480	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	306151	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	275575	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	129173	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.17	65	89162	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
35) Dibromofluoromethane	7.75	113	86897	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	
50) Toluene-d8	10.19	98	370201	53.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.06%	
62) 4-Bromofluorobenzene	12.49	95	140180	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
Target Compounds						
					Qvalue	
39) Methylcyclohexane	9.20	83	98457	26.572	ug/l #	85
40) Benzene	8.18	78	29876	3.445	ug/l	100
52) Toluene	10.25	92	326490	59.388	ug/l	100
67) Ethyl Benzene	11.60	91	1356494	126.718	ug/l	99
68) m/p-Xylenes	11.71	106	2243762	561.203	ug/l	99
69) o-Xylene	12.03	106	709684	184.515	ug/l	98
73) Isopropylbenzene	12.33	105	398336	39.080	ug/l	99
78) n-propylbenzene	12.67	91	1212183	98.804	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	1804128	212.046	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	5116581	598.992	ug/l	99
85) sec-Butylbenzene	13.25	105	146057m	14.334	ug/l	
86) p-Isopropyltoluene	13.37	119	66025m	7.353	ug/l	
89) n-Butylbenzene	13.70	91	281210	31.117	ug/l #	75
95) Naphthalene	15.24	128	10611	1.724	ug/l #	74

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

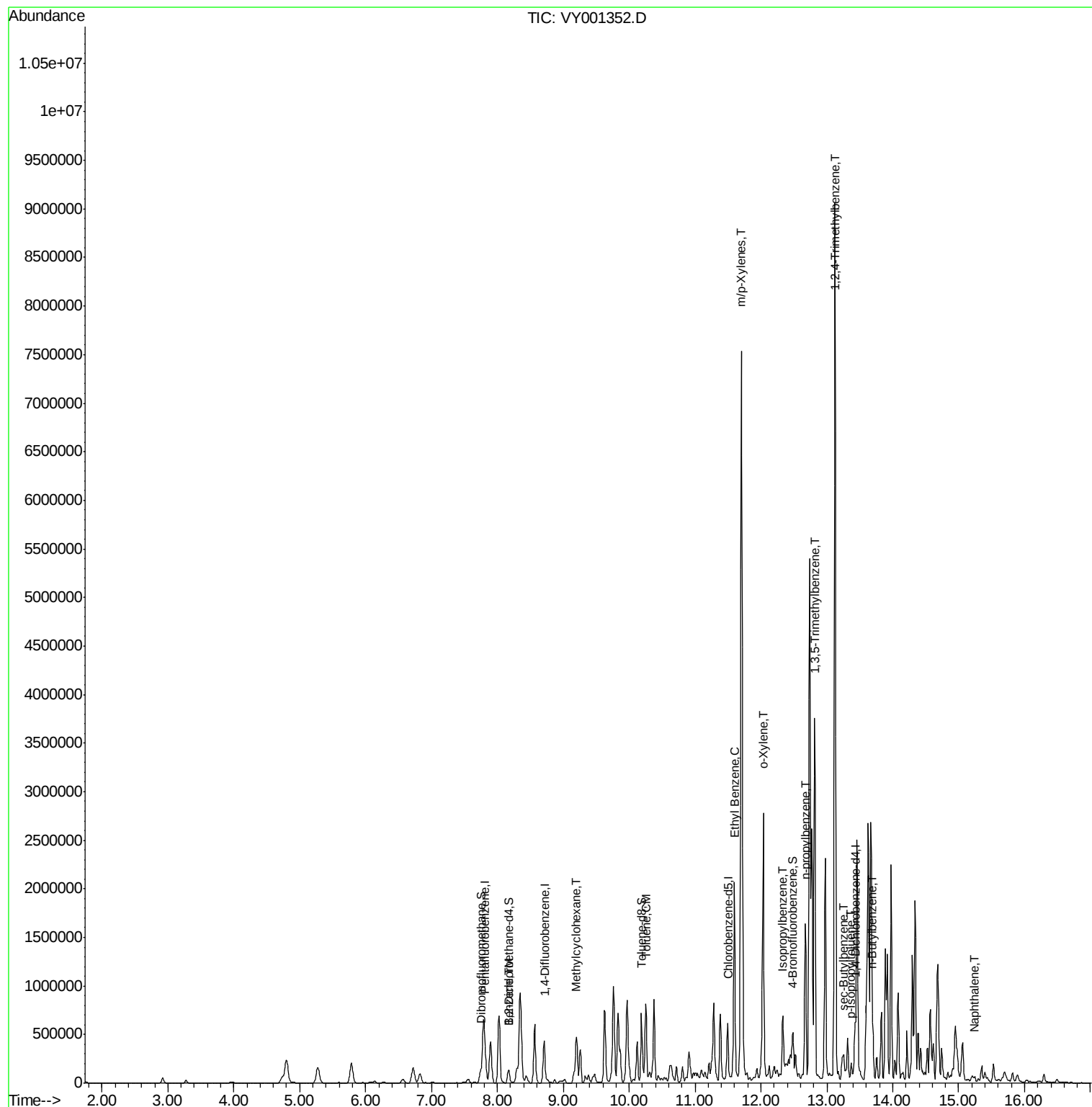
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY012320\
Data File : VY001352.D
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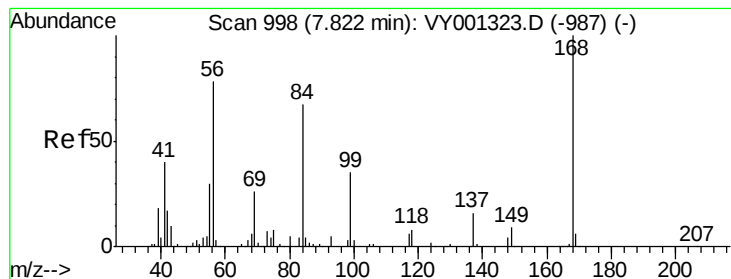
Instrument :
MSVOA_Y
ClientSampleId :
RBR-200055

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Quant Time: Jan 24 07:48:48 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 23 01:21:47 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.01 min

Lab File: VY001352.D

Acq: 23 Jan 2020 14:35

Instrument :

MSVOA_Y

ClientSampleId :

RBR-200055

Tot Ion:168 Resp: 166480

Ion Ratio Lower Upper

168 100

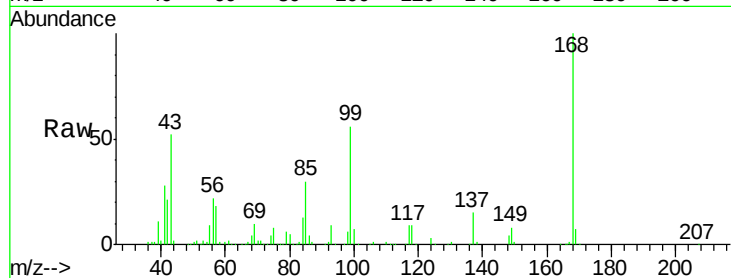
99 56.2 44.3 66.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY001352.D (-949) (-)

Ion 98.90 (98.60 to 99.60): VY001352.D (-949) (-)

7.82

80000

60000

40000

20000

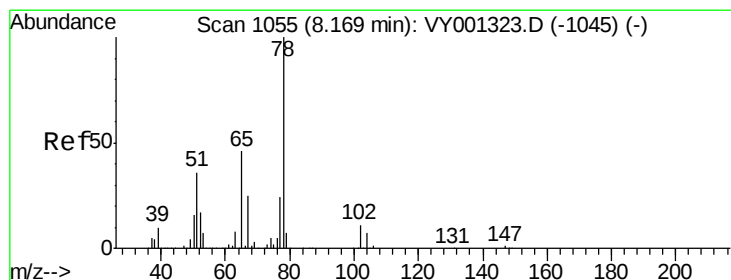
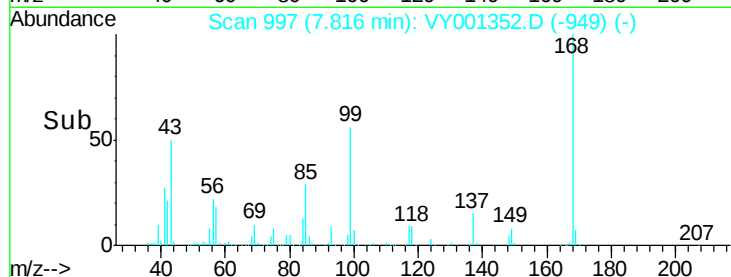
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Time-->

7.70

7.80

7.90



#33

1,2-Dichloroethane-d4

Concen: 49.219 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VY001352.D

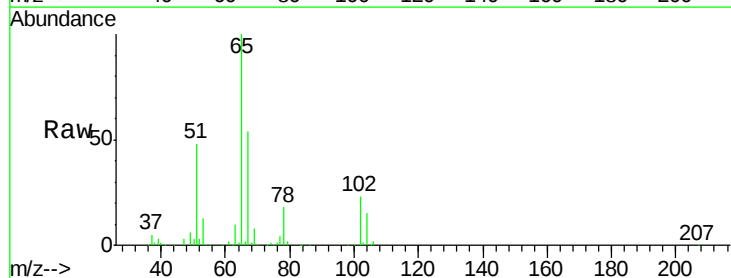
Acq: 23 Jan 2020 14:35

Tgt Ion: 65 Resp: 89162

Ion Ratio Lower Upper

65 100

67 54.2 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VY001352.D (-1006) (-)

Ion 66.90 (66.60 to 67.60): VY001352.D (-1006) (-)

8.17

40000

30000

20000

10000

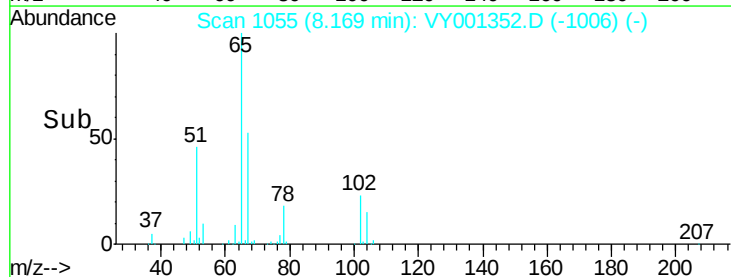
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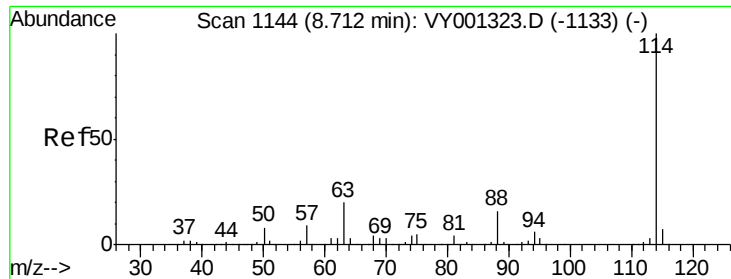
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8.10

8.20

8.30





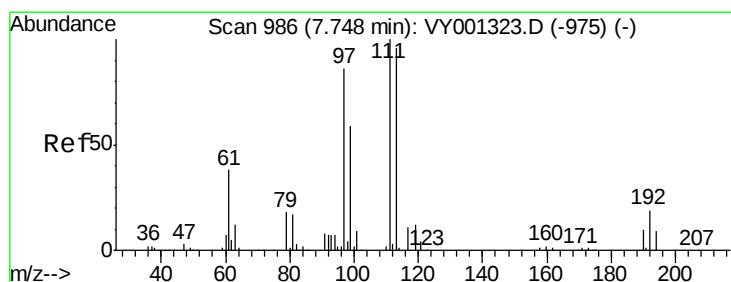
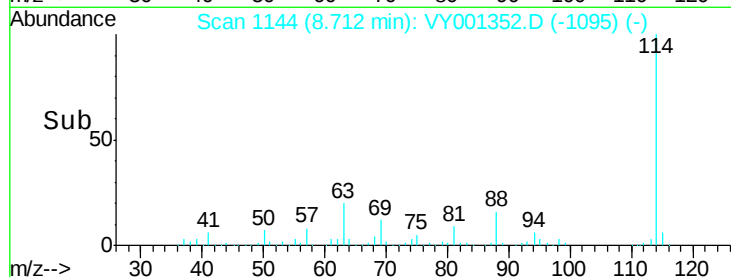
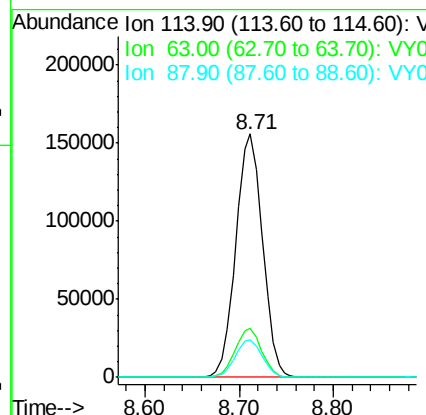
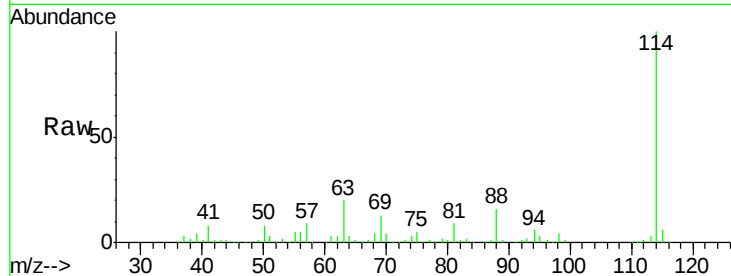
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VY001352.D
 Acq: 23 Jan 2020 14:35

Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR-200055

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	20.2	0.0	40.8
88	15.6	0.0	31.0

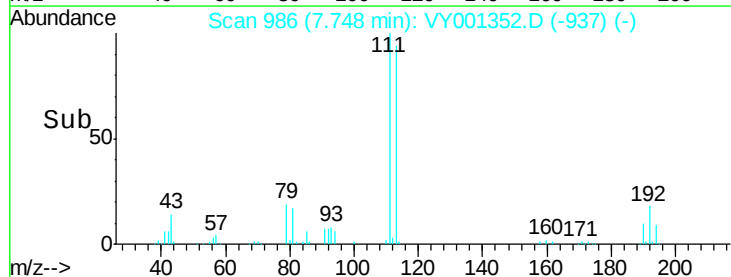
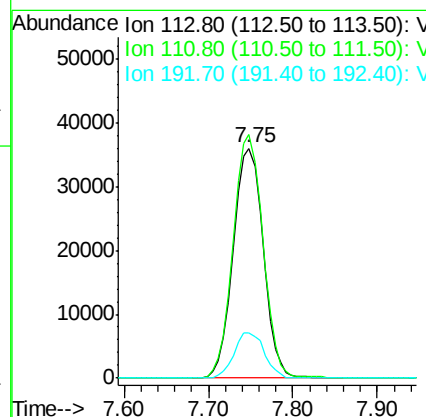
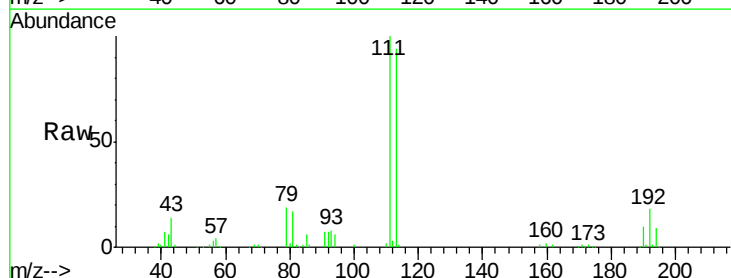
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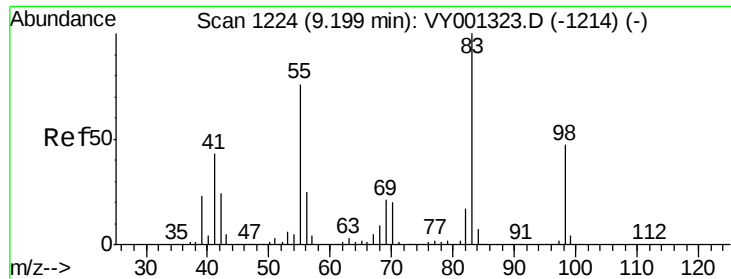
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#35
 Dibromofluoromethane
 Concen: 48.361 ug/l
 RT: 7.75 min Scan# 986
 Delta R.T. 0.00 min
 Lab File: VY001352.D
 Acq: 23 Jan 2020 14:35

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	105.2	82.8	124.2
192	19.8	15.5	23.3





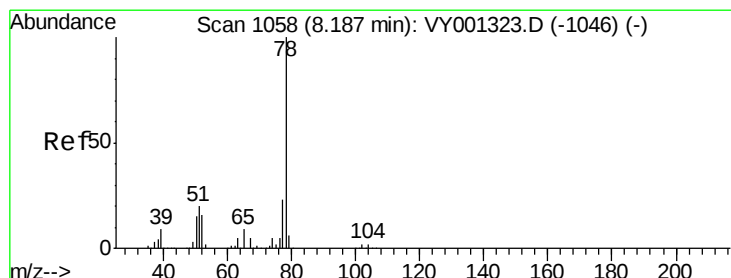
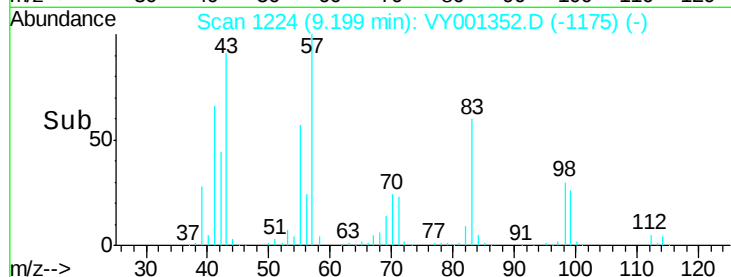
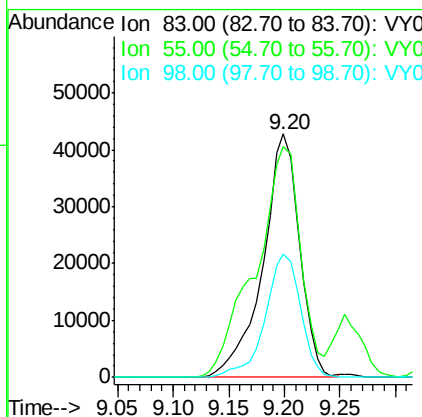
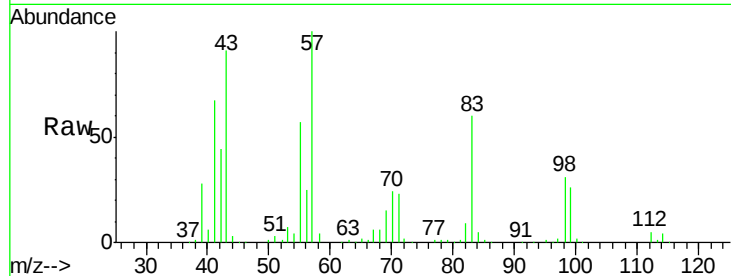
#39
Methvlcvclohexane
Concen: 26.572 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VY001352.D
Acq: 23 Jan 2020 14:35

Instrument :
MSVOA_Y
ClientSampleId :
RBR-200055

Tot Ion	Ratio	Lower	Upper
83	100		
55	94.5	60.7	91.1#
98	50.7	37.8	56.8

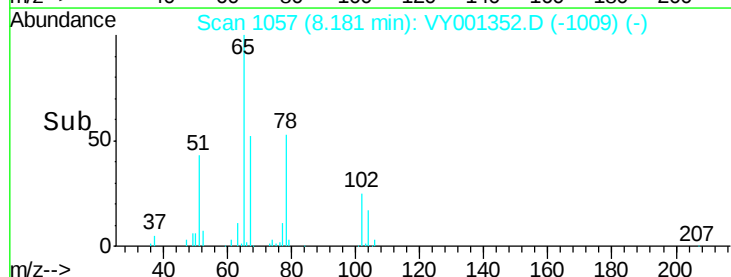
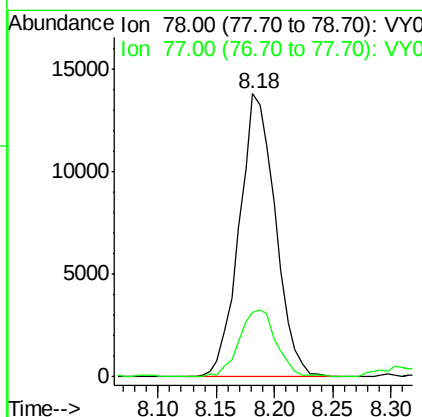
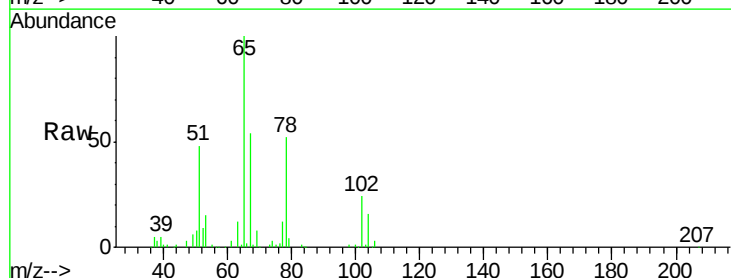
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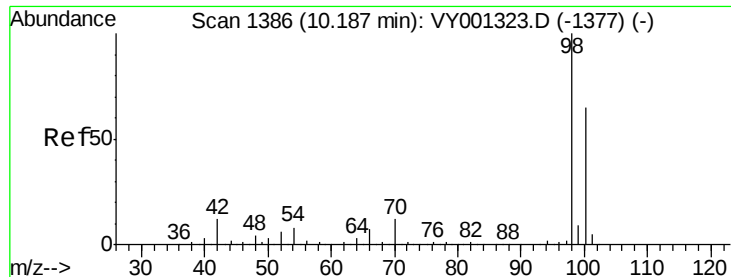
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#40
Benzene
Concen: 3.445 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VY001352.D
Acq: 23 Jan 2020 14:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.6	27.8





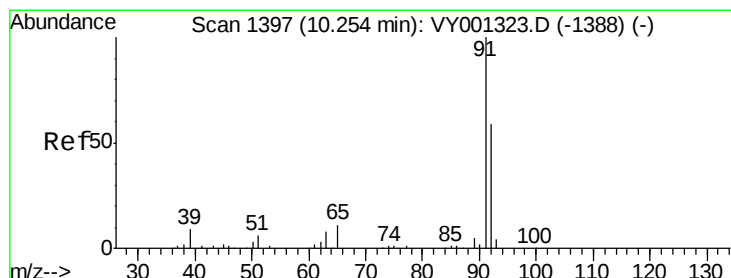
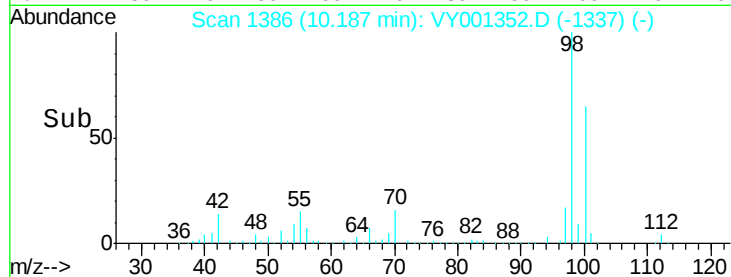
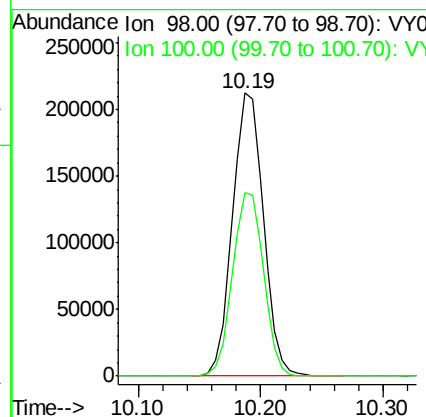
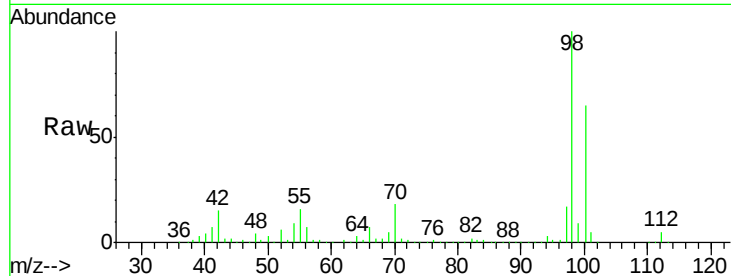
#50
Toluene-d8
Concen: 53.029 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. 0.00 min
Lab File: VY001352.D
Acq: 23 Jan 2020 14:35

Instrument :
MSVOA_Y
ClientSampleId :
RBR-200055

Tot Ion: 98 Resp: 370201
Ion Ratio Lower Upper
98 100
100 64.9 52.6 79.0

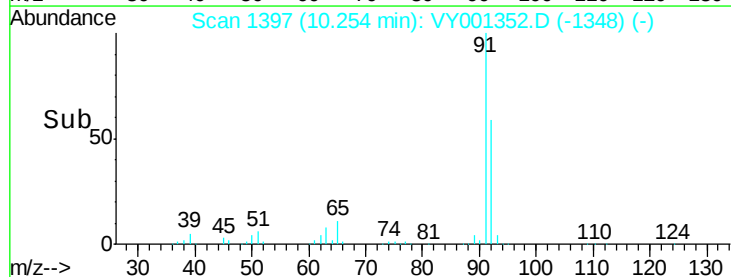
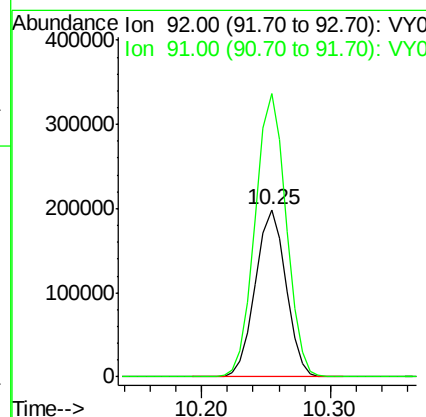
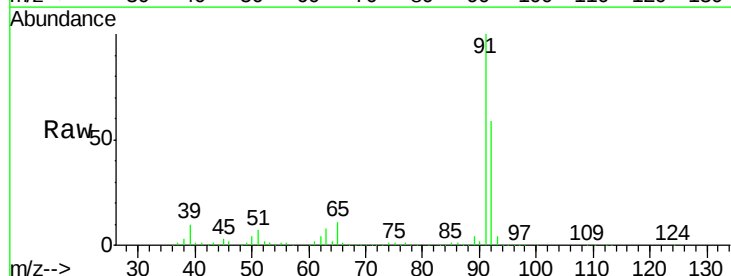
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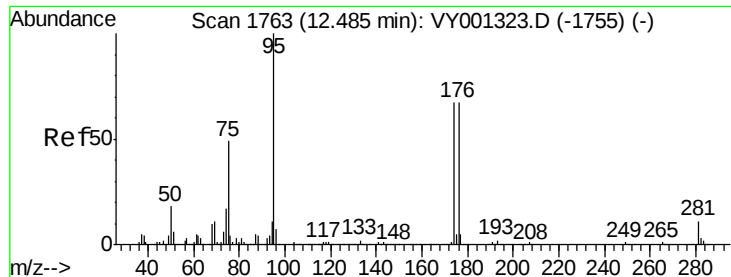
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#52
Toluene
Concen: 59.388 ug/l
RT: 10.25 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VY001352.D
Acq: 23 Jan 2020 14:35

Tgt Ion: 92 Resp: 326490
Ion Ratio Lower Upper
92 100
91 170.6 136.4 204.6





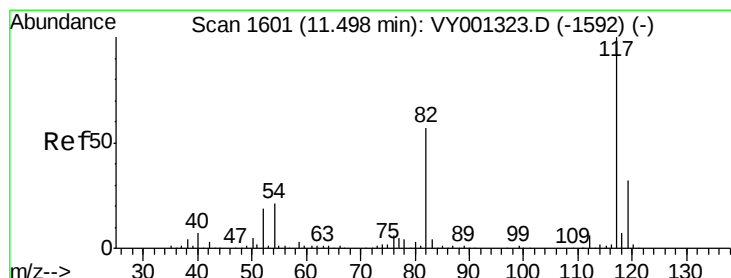
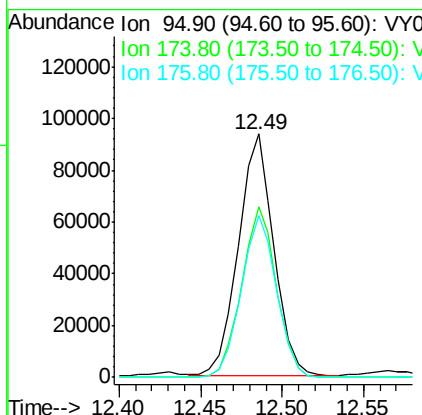
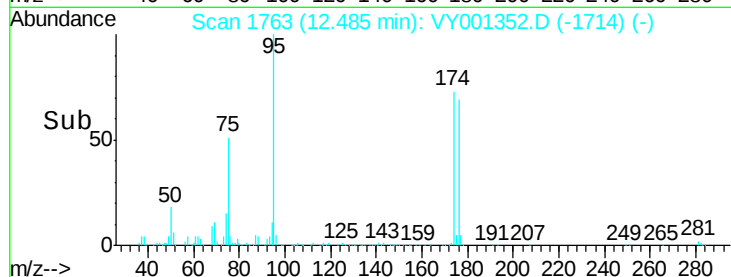
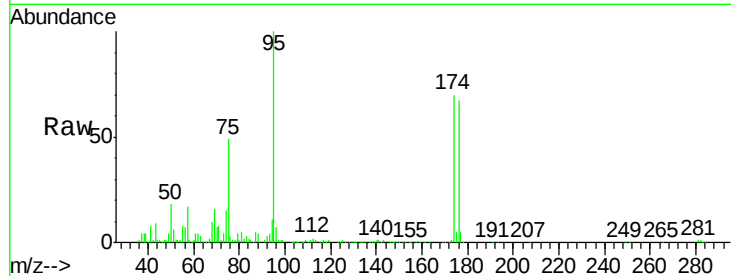
#62
4-Bromofluorobenzene
Concen: 50.423 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VY001352.D
Acq: 23 Jan 2020 14:35

Instrument :
MSVOA_Y
ClientSampleId :
RBR-200055

Tot Ion	Ratio	Resp	Lower	Upper
95	100	140180		
174	69.5	0.0	142.0	
176	66.9	0.0	138.6	

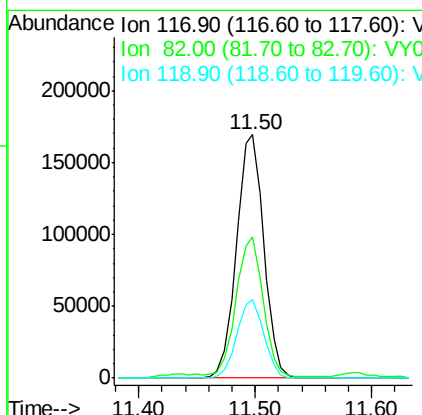
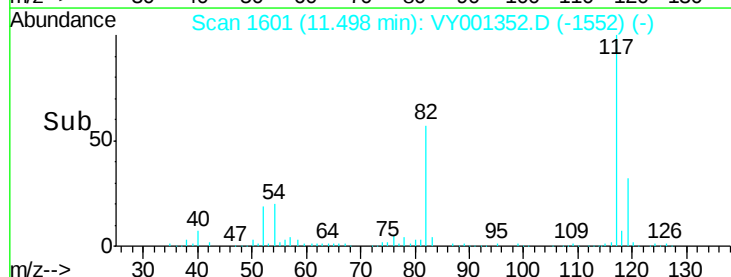
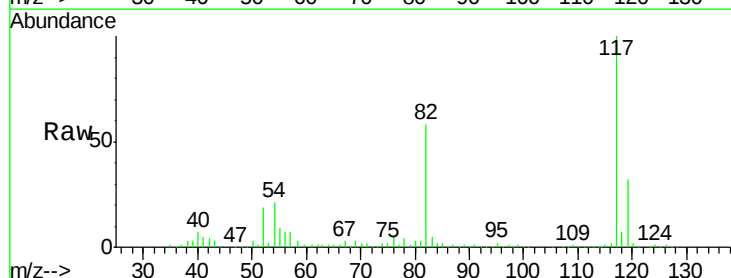
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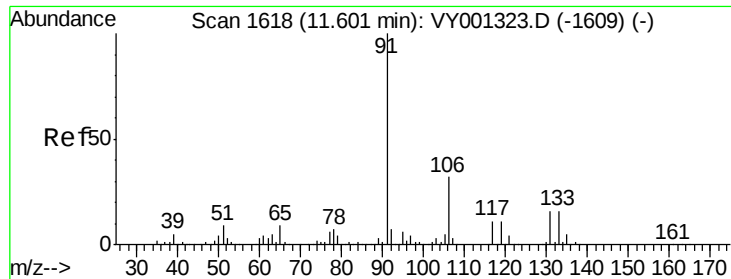
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VY001352.D
Acq: 23 Jan 2020 14:35

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	275575		
82	56.7	45.5	68.3	
119	32.2	25.8	38.6	





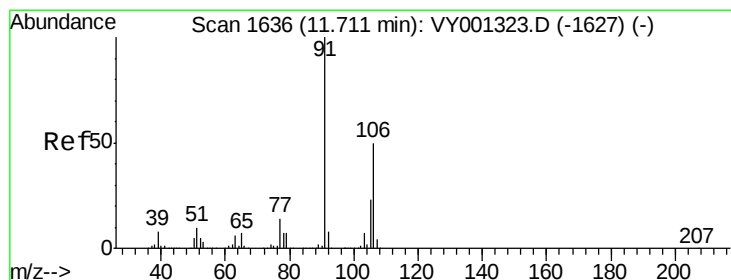
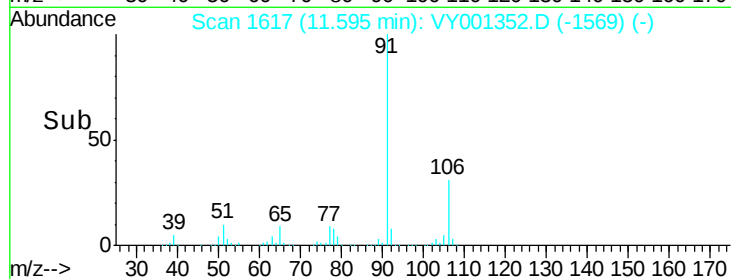
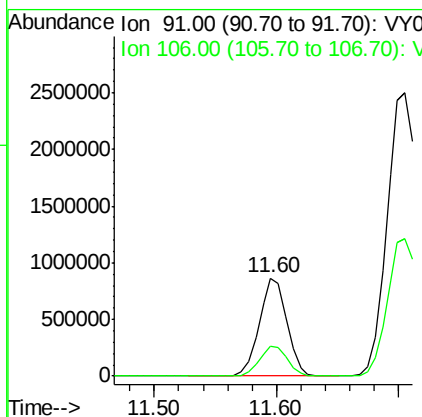
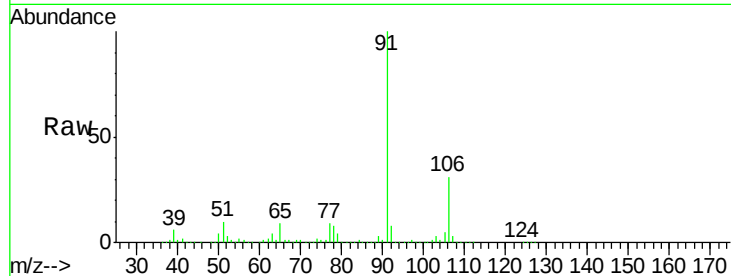
#67
Ethyl Benzene
Concen: 126.718 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY001352.D
Acq: 23 Jan 2020 14:35

Instrument :
MSVOA_Y
ClientSampleId :
RBR-200055

Tot Ion: 91 Resp: 1356494
Ion Ratio Lower Upper
91 100
106 31.1 25.4 38.0

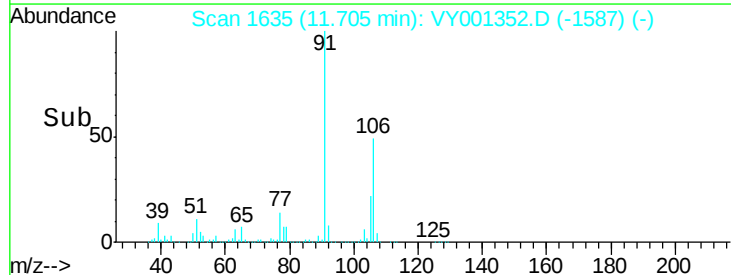
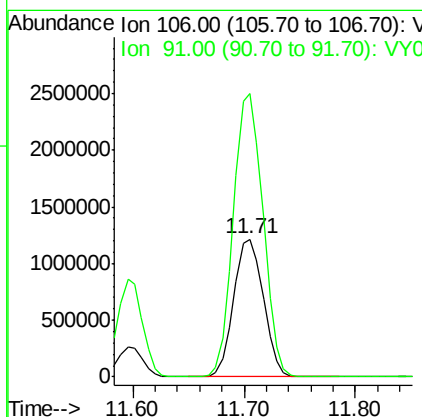
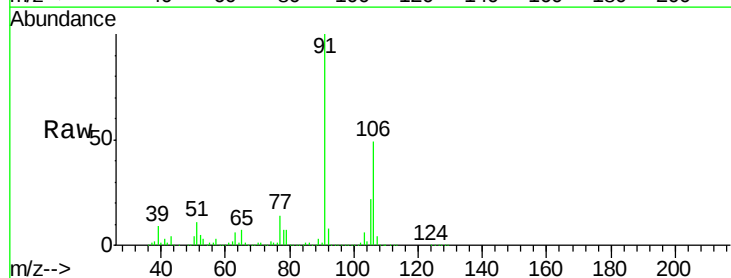
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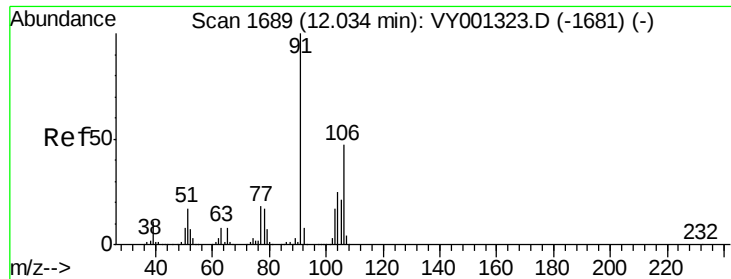
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#68
m/p-Xylenes
Concen: 561.203 ug/l
RT: 11.71 min Scan# 1635
Delta R.T. -0.01 min
Lab File: VY001352.D
Acq: 23 Jan 2020 14:35

Tgt Ion: 106 Resp: 2243762
Ion Ratio Lower Upper
106 100
91 205.0 162.8 244.2





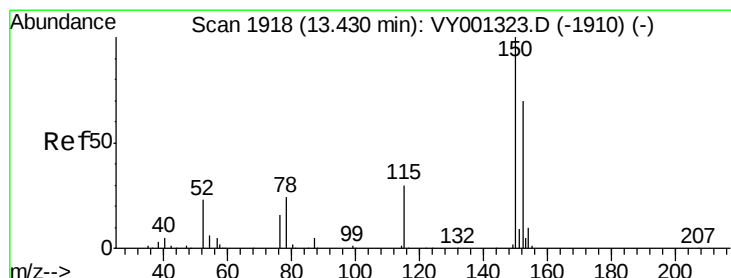
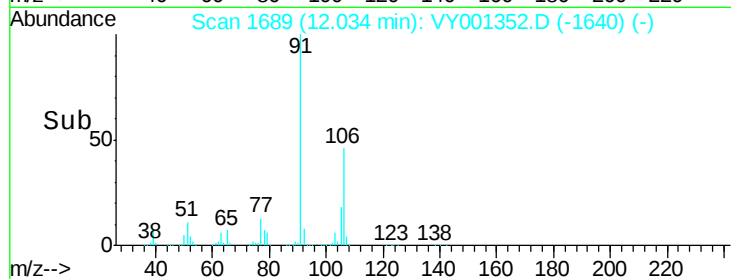
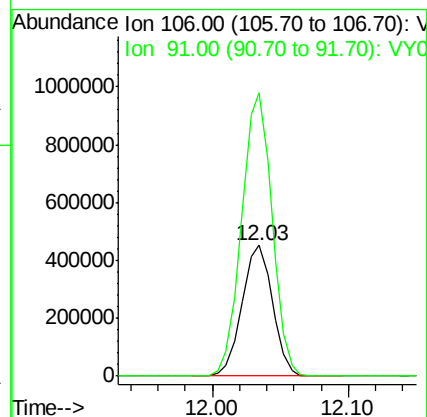
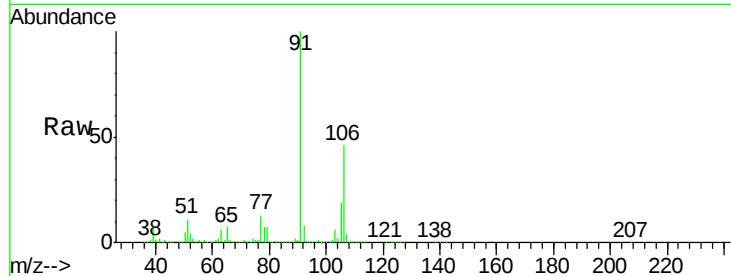
#69
o-Xylene
Concen: 184.515 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VY001352.D
Acq: 23 Jan 2020 14:35

Instrument :
MSVOA_Y
ClientSampleId :
RBR-200055

Tot Ion	Ratio	Lower	Upper
106	100		
91	215.5	106.3	319.0

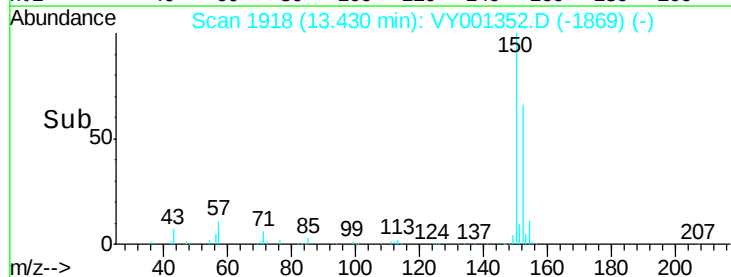
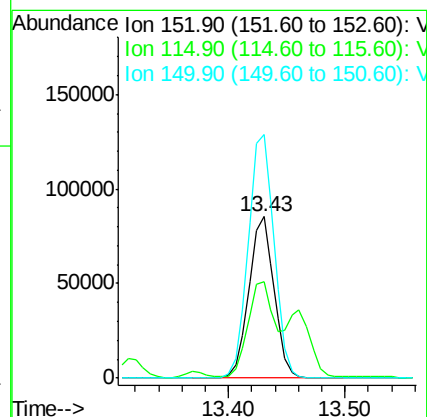
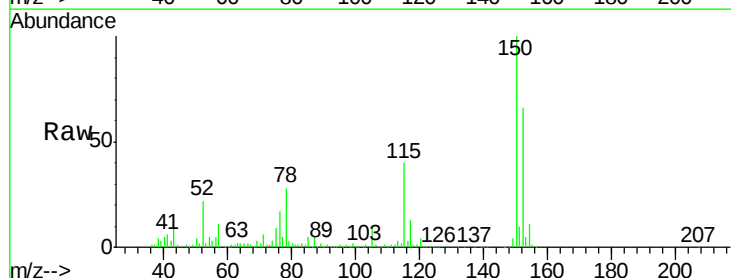
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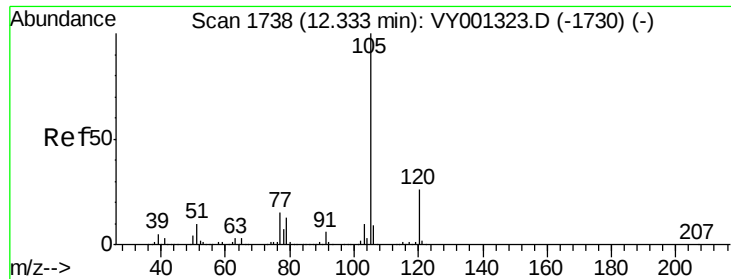
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.00 min
Lab File: VY001352.D
Acq: 23 Jan 2020 14:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.4	30.9	92.8
150	154.8	0.0	349.2





#73

Isopropylbenzene

Concen: 39.080 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. 0.00 min

Lab File: VY001352.D

Acq: 23 Jan 2020 14:35

Instrument :

MSVOA_Y

ClientSampleId :

RBR-200055

Tot Ion:105 Resp: 398336

Ion Ratio Lower Upper

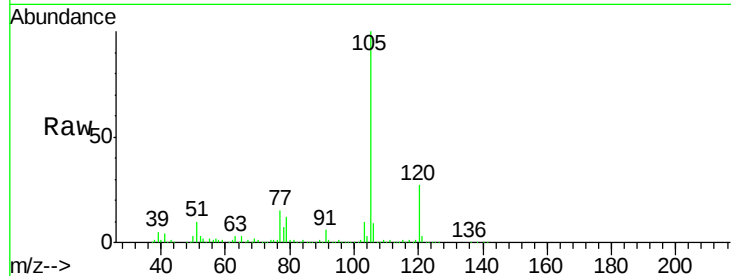
105 100

120 26.5 13.5 40.4

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.33

250000

200000

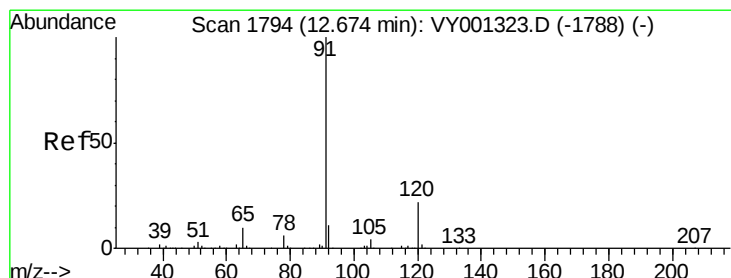
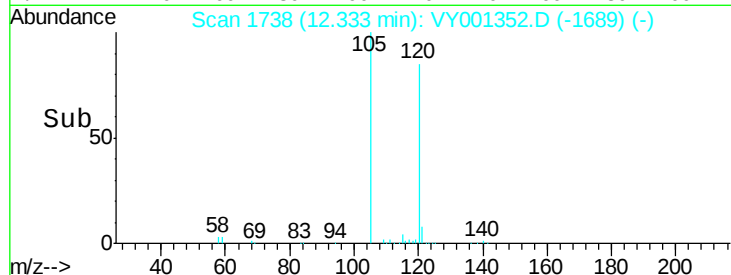
150000

100000

50000

0

Time-->



#78

n-propylbenzene

Concen: 98.804 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. 0.00 min

Lab File: VY001352.D

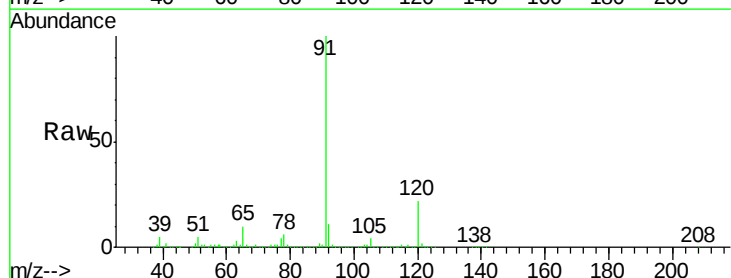
Acq: 23 Jan 2020 14:35

Tgt Ion: 91 Resp: 1212183

Ion Ratio Lower Upper

91 100

120 22.4 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V

12.67

800000

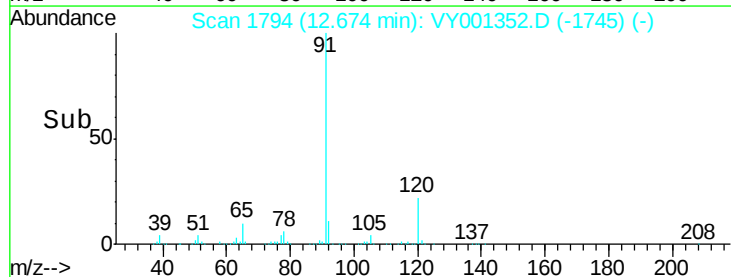
600000

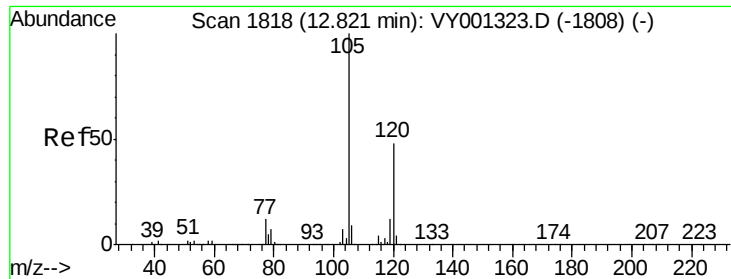
400000

200000

0

Time-->





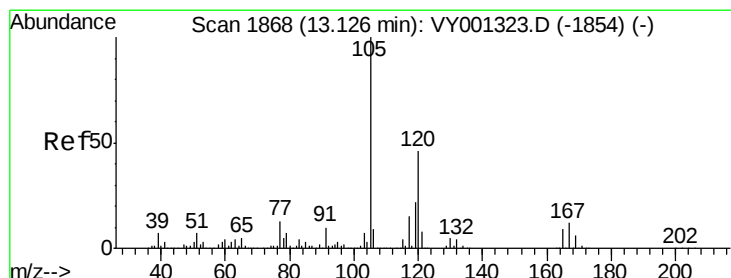
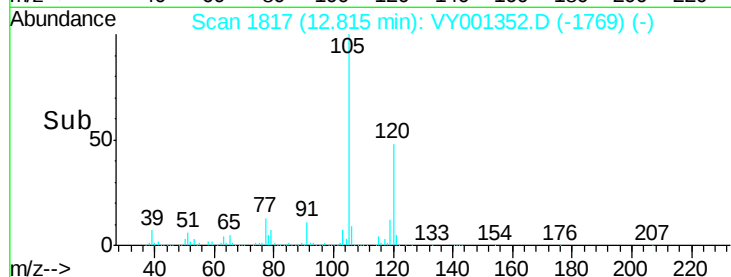
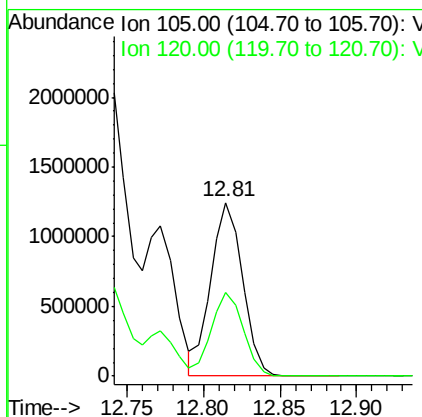
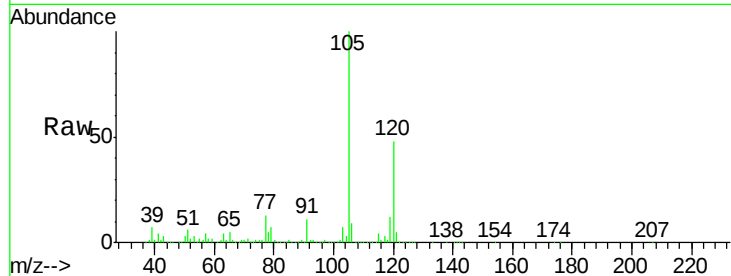
#80
 1,3,5-Trimethylbenzene
 Concen: 212.046 ug/l
 RT: 12.81 min Scan# 1817
 Delta R.T. -0.01 min
 Lab File: VY001352.D
 Acq: 23 Jan 2020 14:35

Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR-200055

Tot Ion:105 Resp: 1804128
 Ion Ratio Lower Upper
 105 100
 120 48.3 24.3 72.9

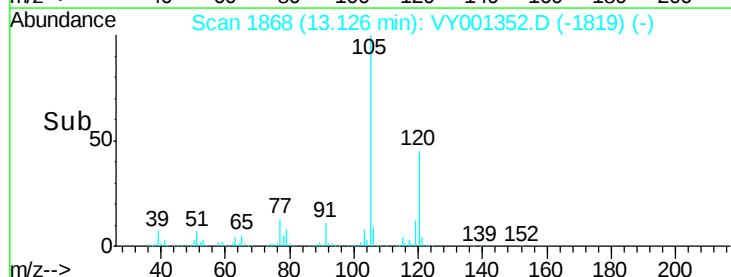
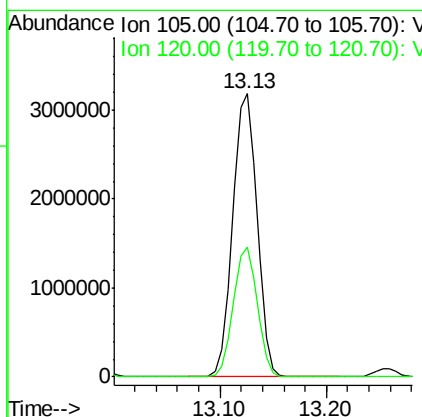
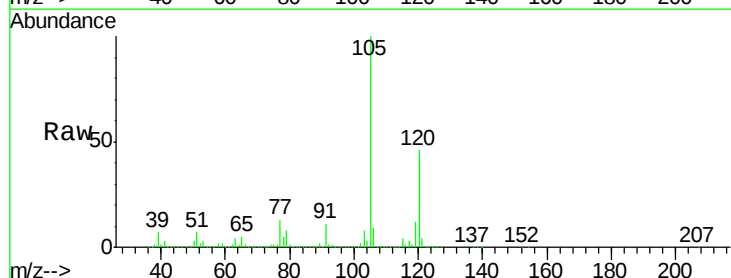
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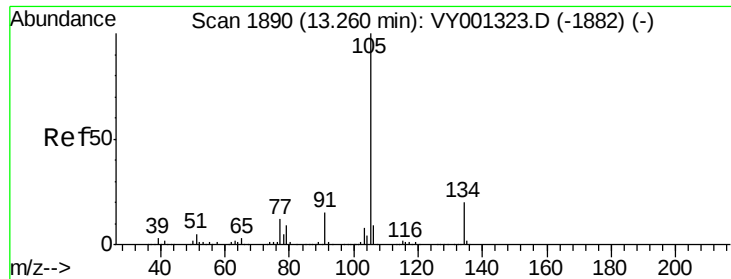
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#84
 1,2,4-Trimethylbenzene
 Concen: 598.992 ug/l
 RT: 13.13 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VY001352.D
 Acq: 23 Jan 2020 14:35

Tgt Ion:105 Resp: 5116581
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.4 67.3





#85

sec-Butylbenzene

Concen: 14.334 ug/l m

RT: 13.25 min Scan# 1889

Delta R.T. -0.01 min

Lab File: VY001352.D

Acq: 23 Jan 2020 14:35

Instrument :

MSVOA_Y

ClientSampleId :

RBR-200055

Tot Ion:105 Resp: 146057

Ion Ratio Lower Upper

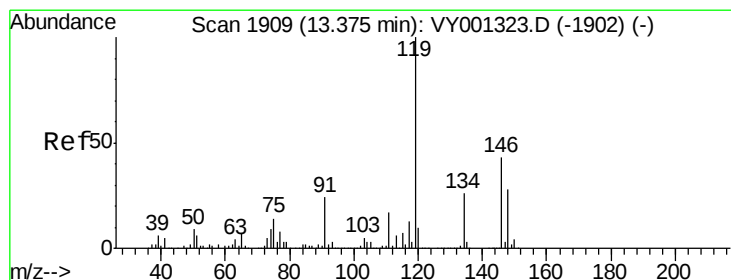
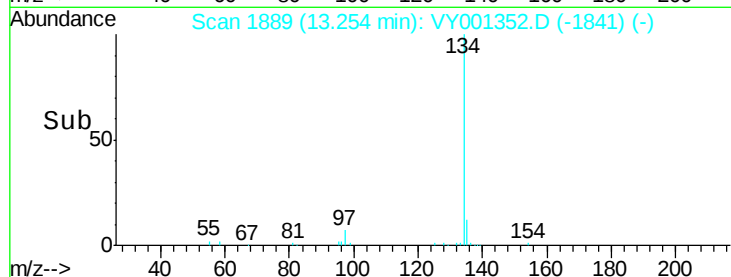
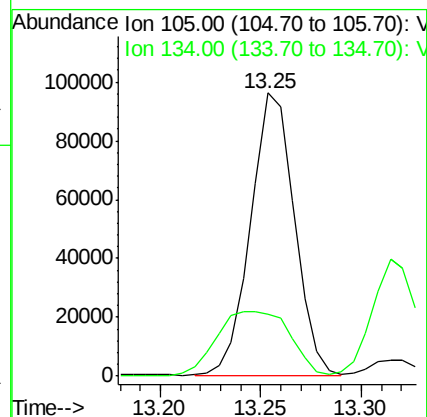
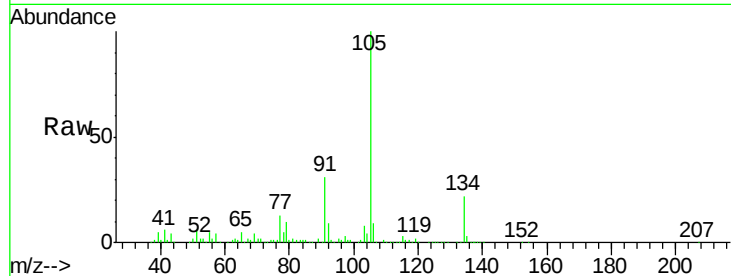
105 100

134 0.0 9.8 29.4#

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#86

p-Isopropyltoluene

Concen: 7.353 ug/l m

RT: 13.37 min Scan# 1908

Delta R.T. -0.01 min

Lab File: VY001352.D

Acq: 23 Jan 2020 14:35

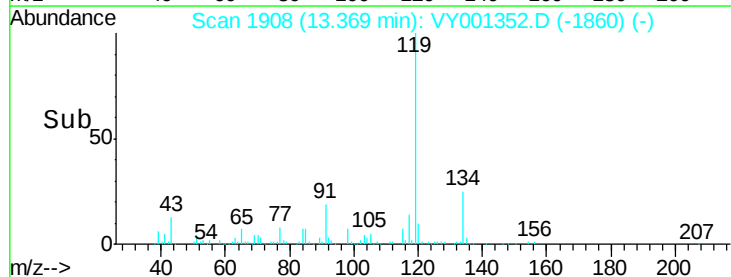
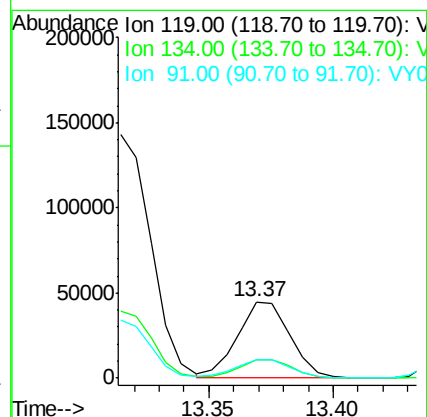
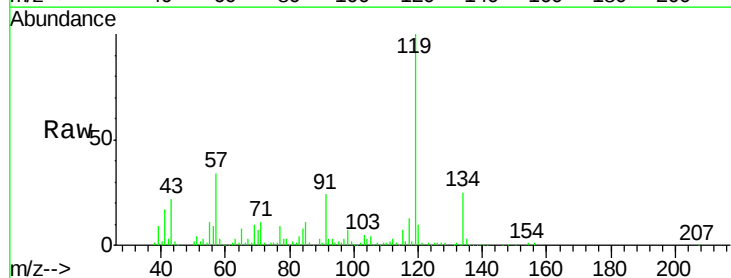
Tgt Ion:119 Resp: 66025

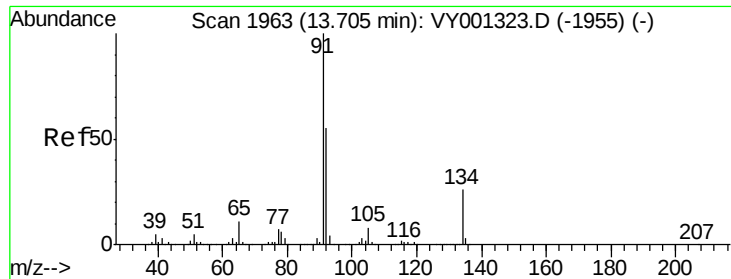
Ion Ratio Lower Upper

119 100

134 89.5 13.5 40.4#

91 74.5 12.2 36.6#





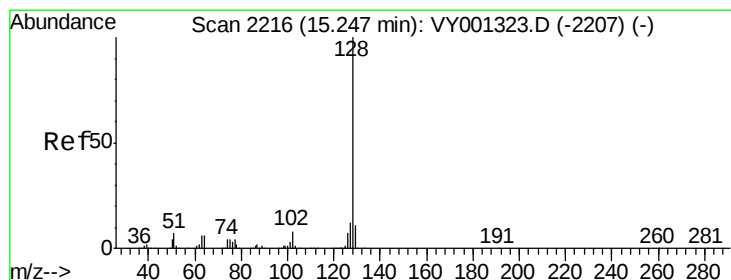
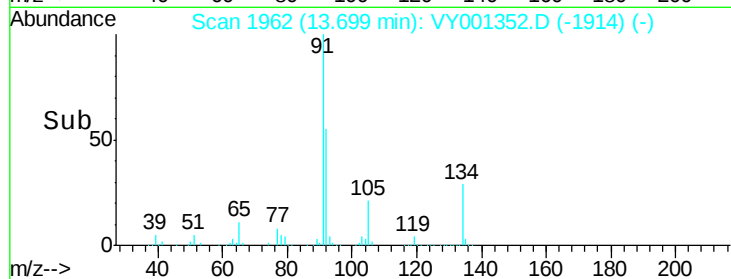
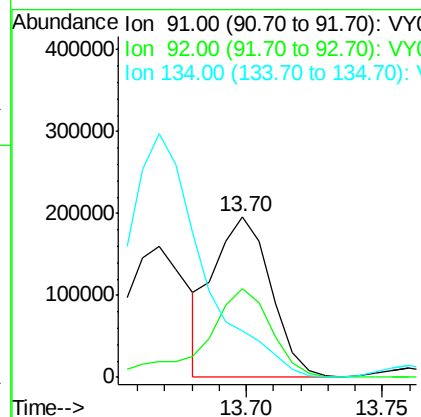
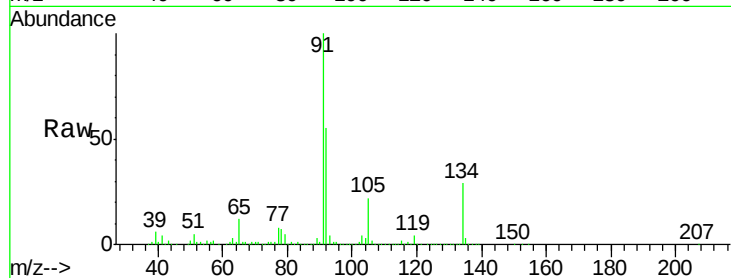
#89
n-Butylbenzene
Concen: 31.117 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.01 min
Lab File: VY001352.D
Acq: 23 Jan 2020 14:35

Instrument :
MSVOA_Y
ClientSampleId :
RBR-200055

Tot Ion	Ratio	Lower	Upper
91	100		
92	64.2	27.6	82.8
134	0.0	12.9	38.6#

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#95
Naphthalene
Concen: 1.724 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. -0.01 min
Lab File: VY001352.D
Acq: 23 Jan 2020 14:35

Tgt Ion	Ratio	Lower	Upper
128	100		
127	21.9	10.2	15.2#
129	0.0	8.7	13.1#

