

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021920\
 Data File : VY001704.D
 Acq On : 19 Feb 2020 17:14
 Operator : SY/MD
 Sample : L1589-01
 Misc : 11.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB3-9.5-10.0

Manual Integrations
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 2/20/2020 5:56:10 PM

Quant Time: Feb 20 06:37:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	28833	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	68720	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	24774	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.41	152	27738	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.17	65	21728	70.06	ug/l	0.00
Spiked Amount						
						Recovery = 140.12%
35) Dibromofluoromethane	7.75	113	19759	50.20	ug/l	0.00
Spiked Amount						
						Recovery = 100.40%
50) Toluene-d8	10.21	98	1300914	843.66	ug/l	0.02
Spiked Amount						
						Recovery = 1687.32%
62) 4-Bromofluorobenzene	12.49	95	279395	466.39	ug/l	0.00
Spiked Amount						
						Recovery = 932.78%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	7.82	56	8554440	13128.865	ug/l	88
39) Methylcyclohexane	9.22	83	15651333	17972.757	ug/l	94
40) Benzene	8.19	78	4065974	2106.137	ug/l	99
52) Toluene	10.27	92	14905201	12377.542	ug/l	81
67) Ethyl Benzene	11.61	91	17808662	19401.970	ug/l #	85
68) m/p-Xylenes	11.72	106	11396221	33237.770	ug/l	78
69) o-Xylene	12.05	106	6329737	19418.494	ug/l	95
73) Isopropylbenzene	12.34	105	8479316	4012.664	ug/l	100
78) n-propylbenzene	12.69	91	12036694	4676.970	ug/l	97
80) 1,3,5-Trimethylbenzene	12.83	105	3045766	1741.216	ug/l	99
83) tert-Butylbenzene	13.09	119	28675m	19.600	ug/l	
84) 1,2,4-Trimethylbenzene	13.13	105	12581757	7214.747	ug/l	97
85) sec-Butylbenzene	13.27	105	6891321	3202.789	ug/l	95
86) p-Isopropyltoluene	13.38	119	2406283	1287.322	ug/l	98
89) n-Butylbenzene	13.70	91	2509250m	1313.750	ug/l	
95) Naphthalene	15.24	128	544265	434.461	ug/l	98

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

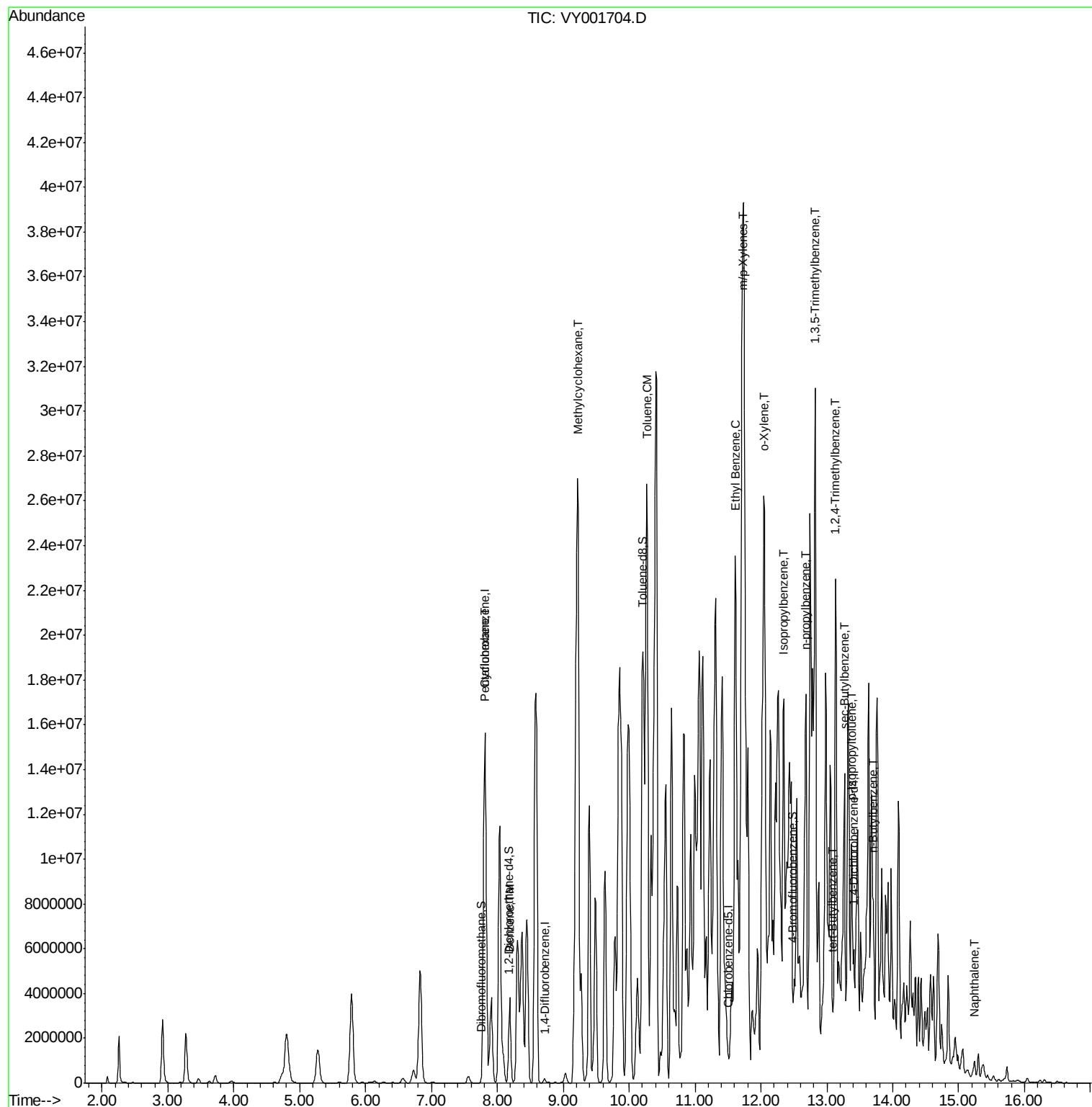
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY021920\
Data File : VY001704.D
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Quant Time: Feb 20 06:37:35 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 17 12:19:53 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001704.D

Acq: 19 Feb 2020 17:14

Instrument :

MSVOA_Y

ClientSampleId :

SB3-9.5-10.0

Tot Ion:168 Resp: 28833

Ion Ratio Lower Upper

168 100

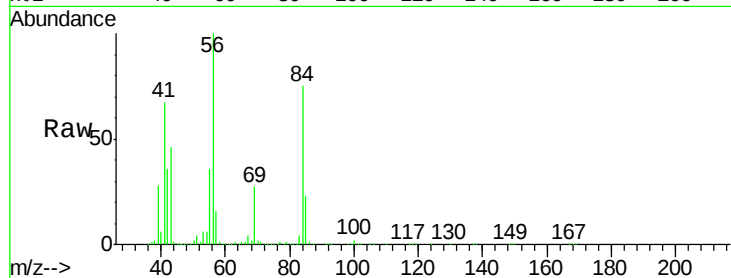
99 75.6 47.5 71.3#

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY001638.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY001638.D (-987) (-)

7.82

12000

10000

8000

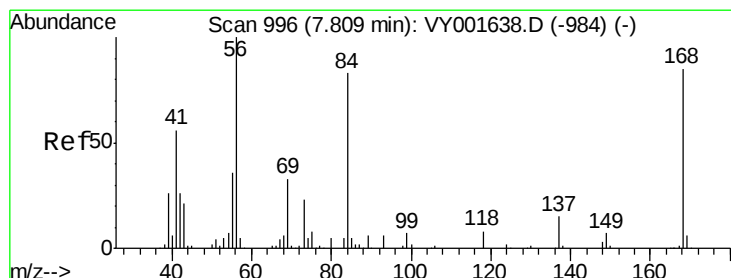
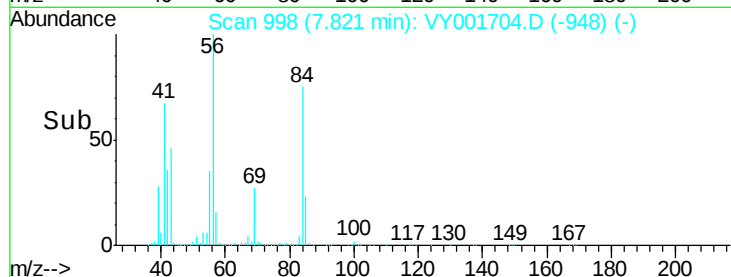
6000

4000

2000

0

Time--> 7.70 7.75 7.80 7.85 7.90



#31

Cyclohexane

Concen: 13128.865 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY001704.D

Acq: 19 Feb 2020 17:14

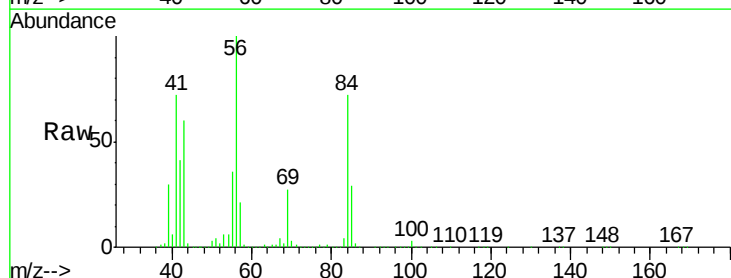
Tgt Ion: 56 Resp: 8554440

Ion Ratio Lower Upper

56 100

69 26.7 25.1 37.7

84 71.9 66.9 100.3



Abundance Ion 56.00 (55.70 to 56.70): VY001638.D (-984) (-)

Ion 69.00 (68.70 to 69.70): VY001638.D (-984) (-)

Ion 84.00 (83.70 to 84.70): VY001638.D (-984) (-)

7.82

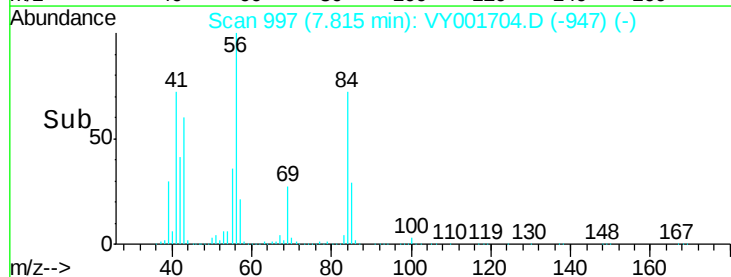
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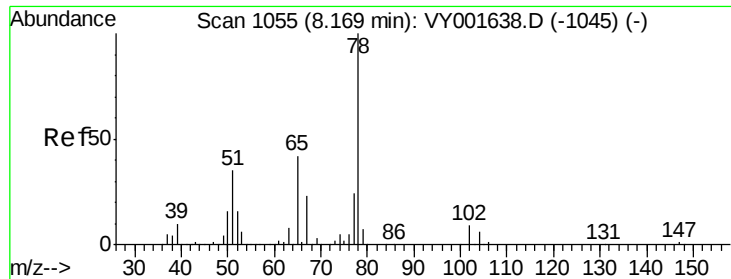
2000000

1000000

0

Time--> 7.70 7.75 7.80 7.85 7.90





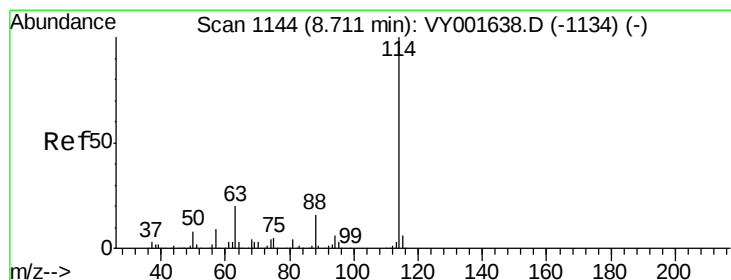
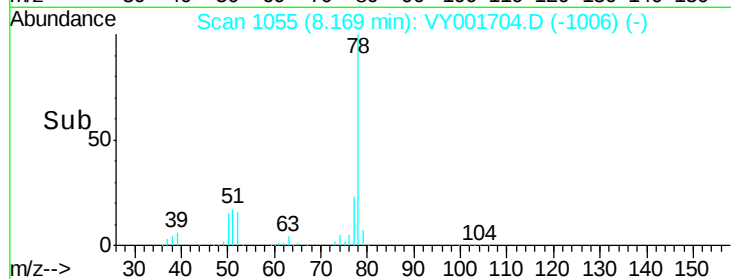
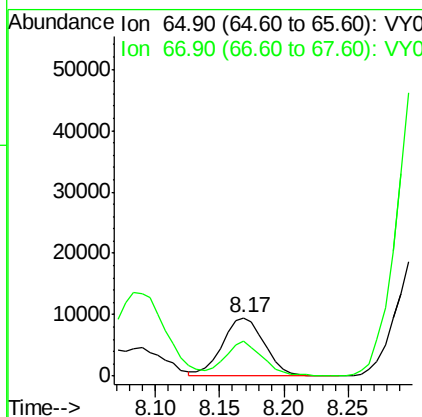
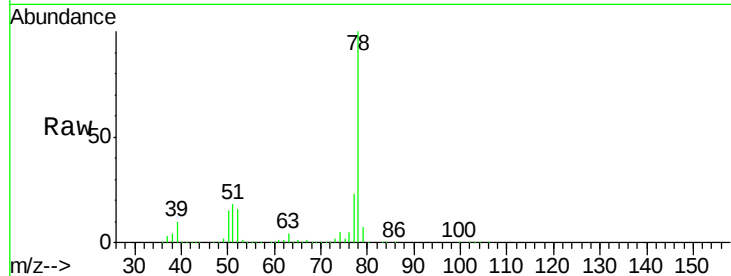
#33
 1,2-Dichloroethane-d4
 Concen: 70.059 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VY001704.D
 Acq: 19 Feb 2020 17:14

Instrument :
 MSVOA_Y
 ClientSampled :
 SB3-9.5-10.0

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.6	0.0	111.0

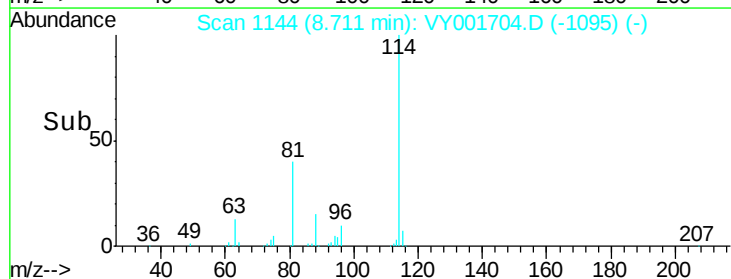
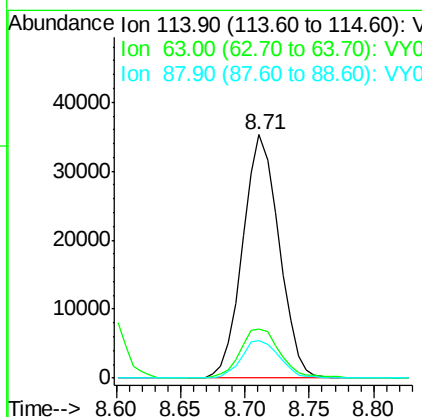
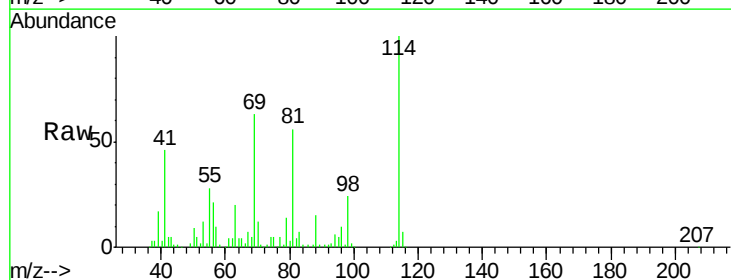
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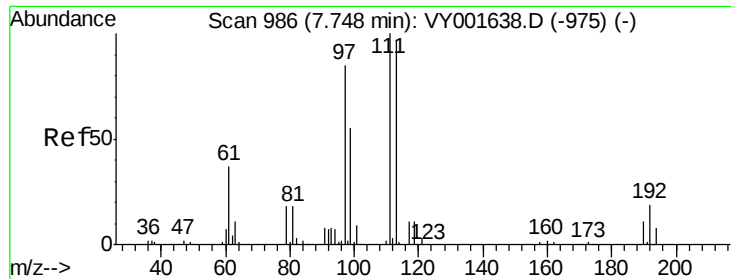
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. -0.00 min
 Lab File: VY001704.D
 Acq: 19 Feb 2020 17:14

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	41.4
88	15.2	0.0	32.8





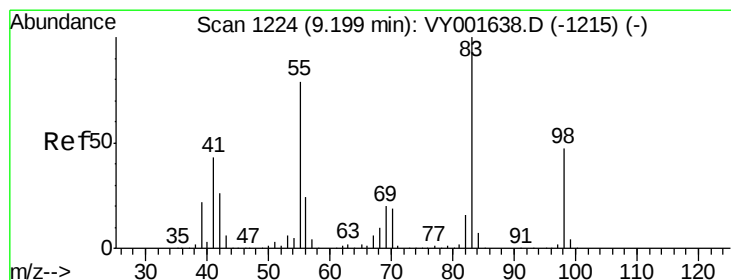
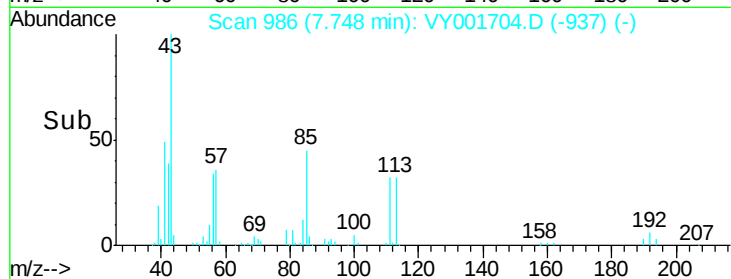
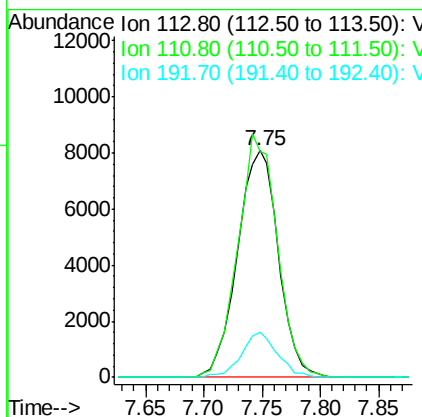
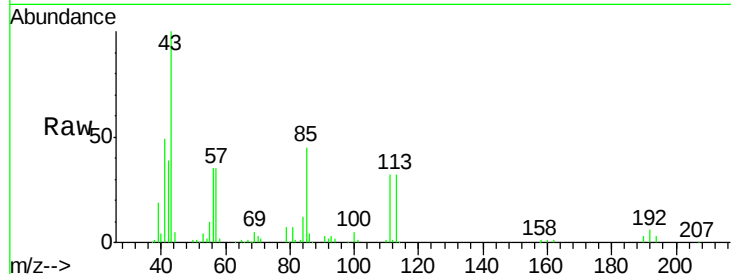
#35
Dibromofluoromethane
Concen: 50.201 ug/l
RT: 7.75 min Scan# 986
Delta R.T. -0.00 min
Lab File: VY001704.D
Acq: 19 Feb 2020 17:14

Instrument :
MSVOA_Y
ClientSampleId :
SB3-9.5-10.0

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.9	122.9
192	17.8	14.3	21.5

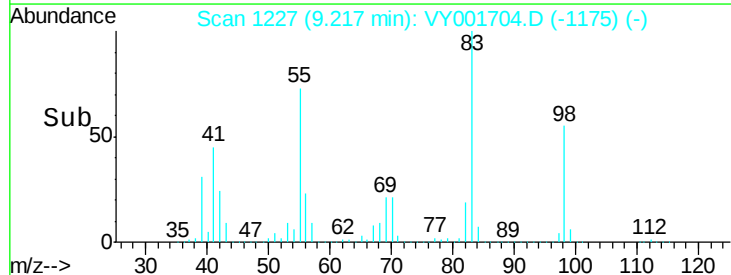
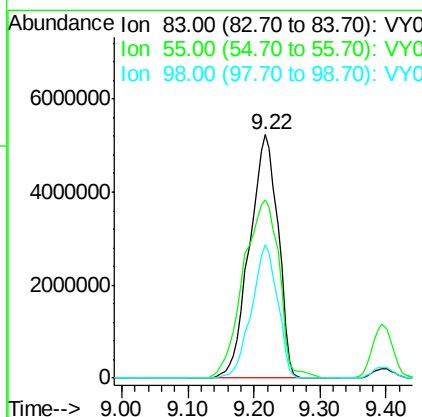
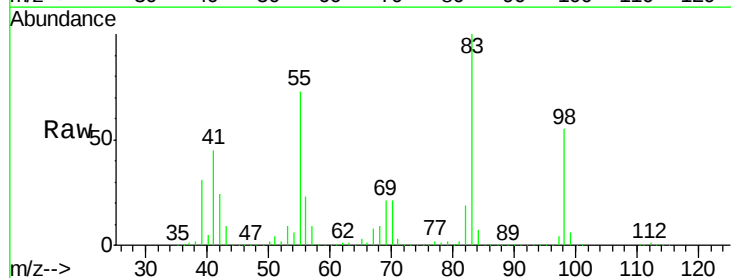
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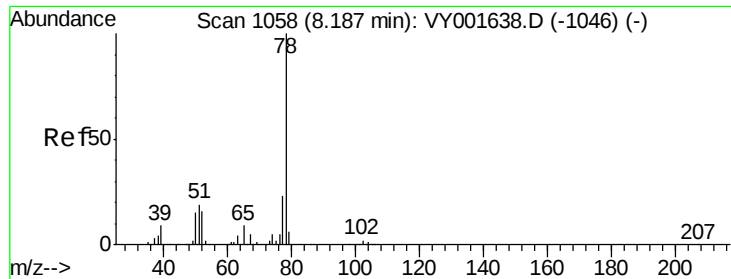
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#39
Methylcyclohexane
Concen: 17972.757 ug/l
RT: 9.22 min Scan# 1227
Delta R.T. 0.02 min
Lab File: VY001704.D
Acq: 19 Feb 2020 17:14

Tgt Ion	Ratio	Lower	Upper
83	100		
55	73.5	61.3	91.9
98	55.0	38.0	57.0





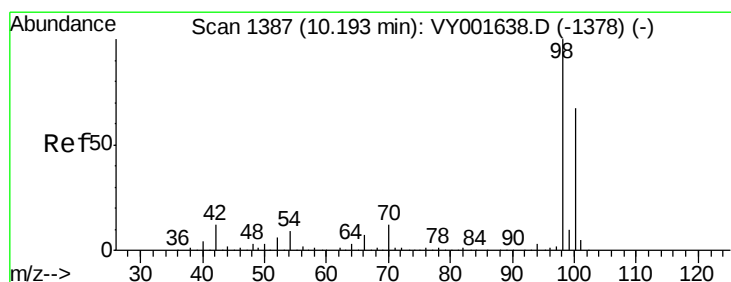
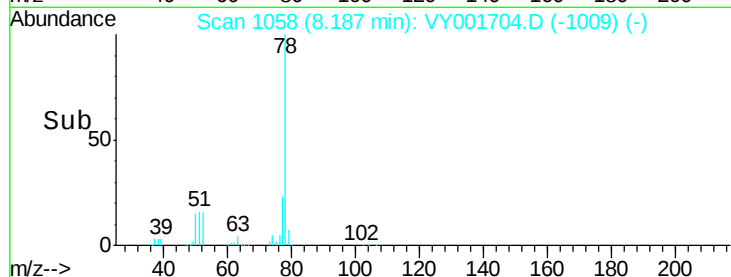
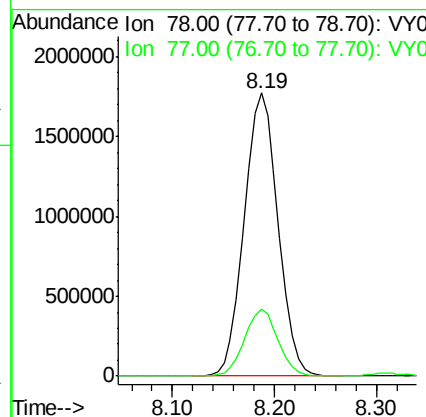
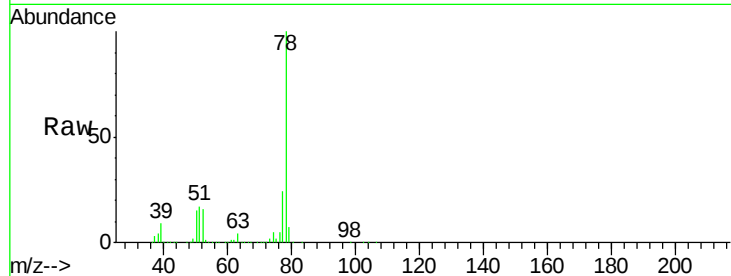
#40
Benzene
Concen: 2106.137 ug/l
RT: 8.19 min Scan# 1058
Delta R.T. -0.00 min
Lab File: VY001704.D
Acq: 19 Feb 2020 17:14

Instrument :
MSVOA_Y
ClientSampleId :
SB3-9.5-10.0

Tot Ion: 78 Resp: 4065974
Ion Ratio Lower Upper
78 100
77 23.5 18.2 27.4

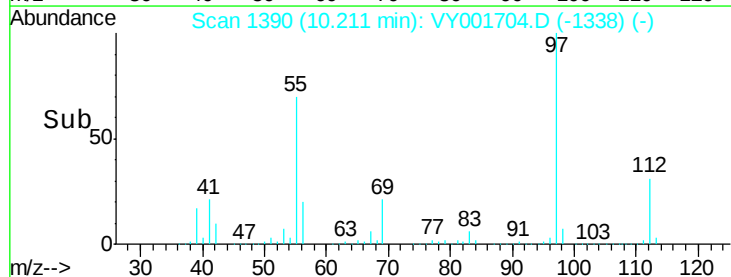
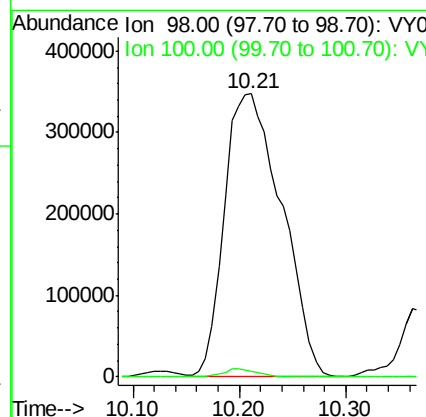
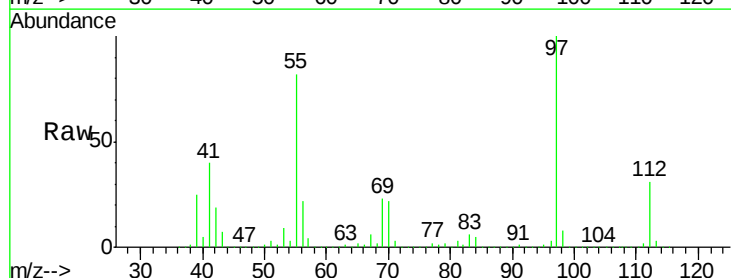
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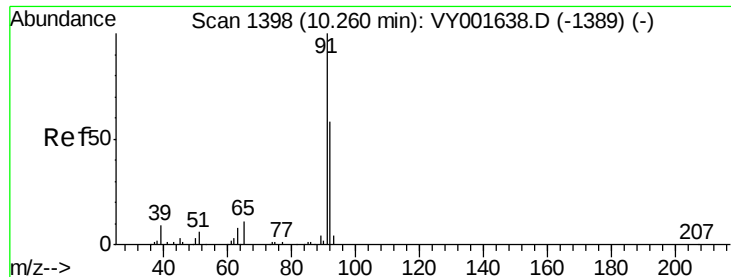
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#50
Toluene-d8
Concen: 843.656 ug/l
RT: 10.21 min Scan# 1390
Delta R.T. 0.02 min
Lab File: VY001704.D
Acq: 19 Feb 2020 17:14

Tgt Ion: 98 Resp: 1300914
Ion Ratio Lower Upper
98 100
100 1.7 53.0 79.4#





#52

Toluene

Concen: 12377.542 ug/l

RT: 10.27 min Scan# 1400

Delta R.T. 0.01 min

Lab File: VY001704.D

Acq: 19 Feb 2020 17:14

Instrument :

MSVOA_Y

ClientSampleId :

SB3-9.5-10.0

Tot Ion: 92 Resp: 14905201

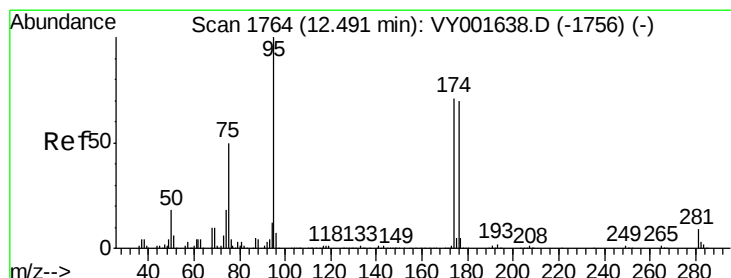
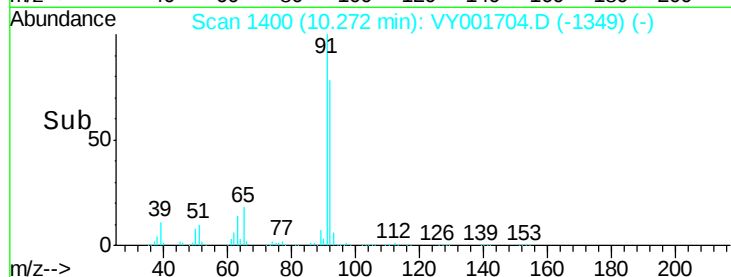
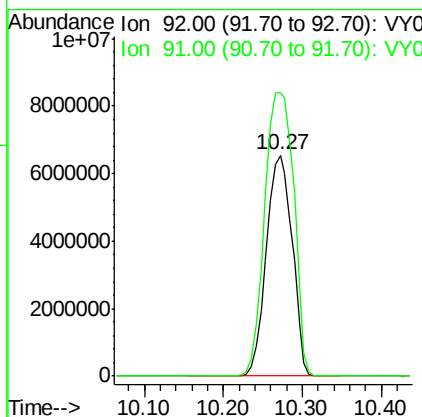
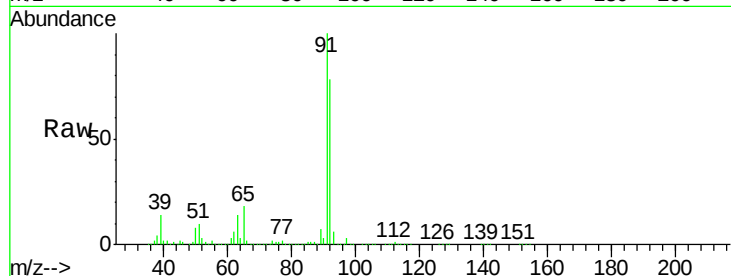
Ion Ratio Lower Upper

92 100

91 145.3 137.0 205.6

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 466.395 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VY001704.D

Acq: 19 Feb 2020 17:14

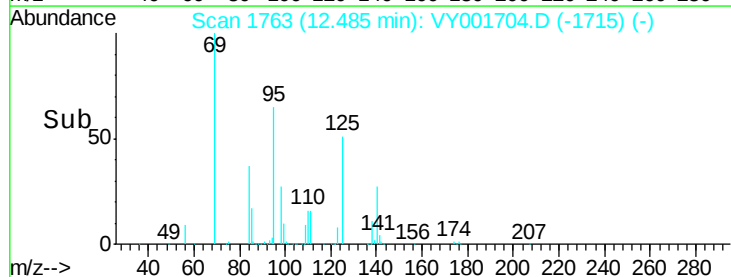
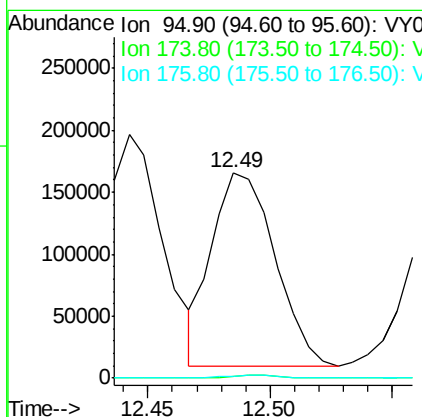
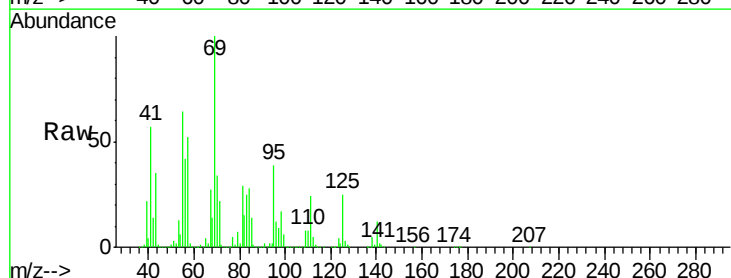
Tgt Ion: 95 Resp: 279395

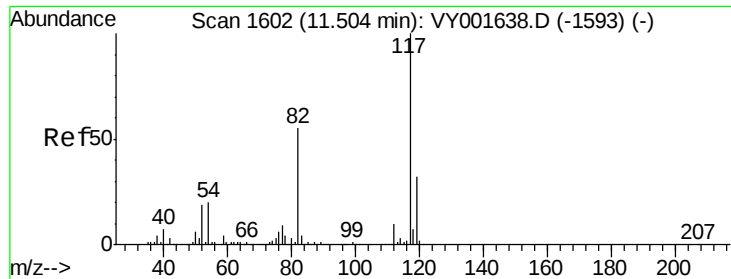
Ion Ratio Lower Upper

95 100

174 1.4 0.0 138.4

176 1.3 0.0 131.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.50 min Scan# 1602

Delta R.T. -0.00 min

Lab File: VY001704.D

Acq: 19 Feb 2020 17:14

Instrument :

MSVOA_Y

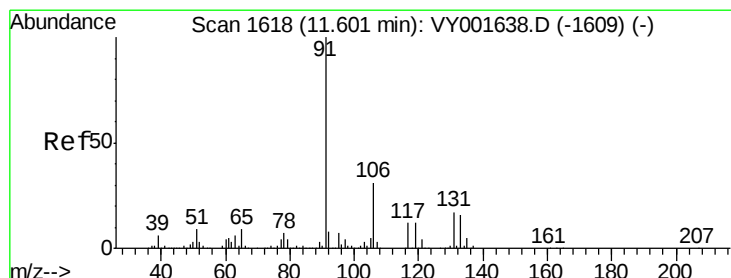
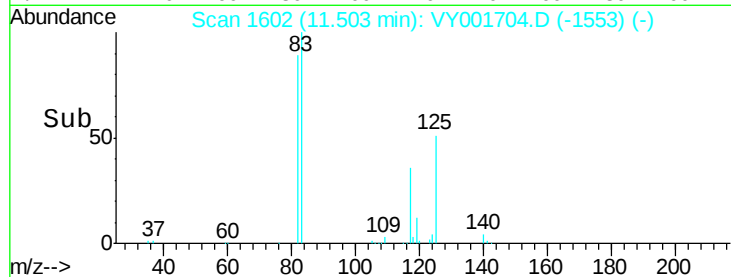
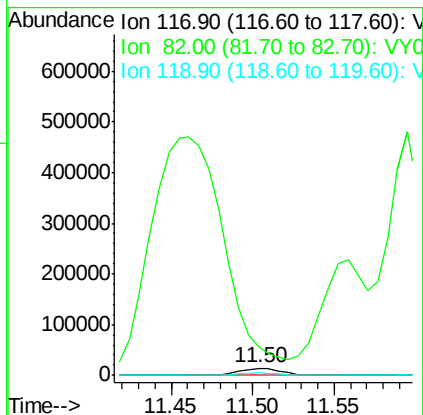
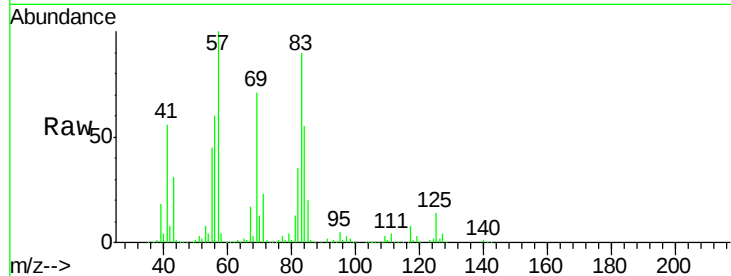
ClientSampleId :

SB3-9.5-10.0

Tot Ion	Ion	Ratio	Lower	Upper
24774	117	100		
	82	0.0	45.5	68.3#
	119	33.9	25.8	38.6

Manual Integrations
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#67

Ethyl Benzene

Concen: 19401.970 ug/l

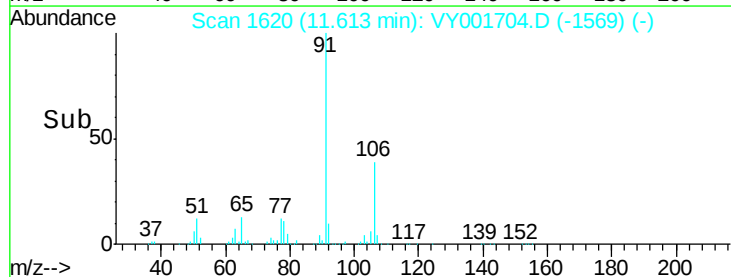
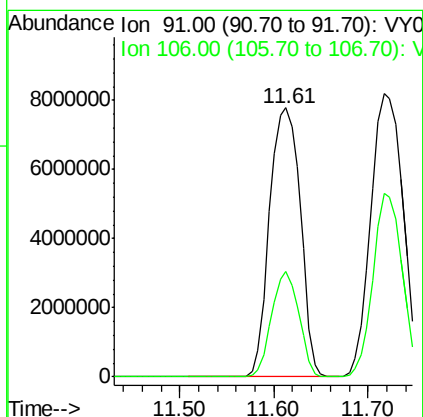
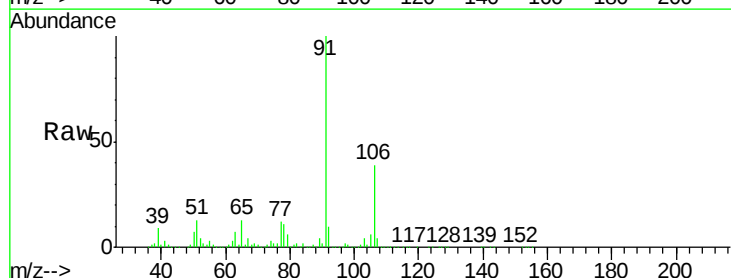
RT: 11.61 min Scan# 1620

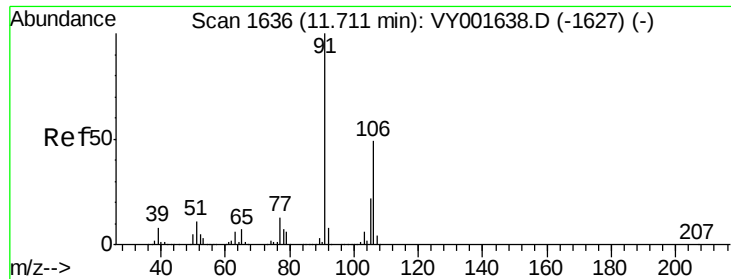
Delta R.T. 0.01 min

Lab File: VY001704.D

Acq: 19 Feb 2020 17:14

Tgt Ion	Ion	Ratio	Lower	Upper
17808662	91	100		
	106	39.0	24.5	36.7#





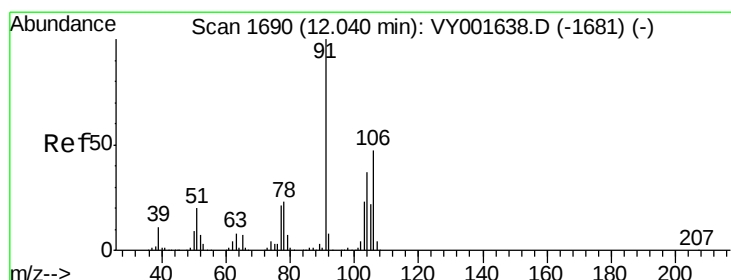
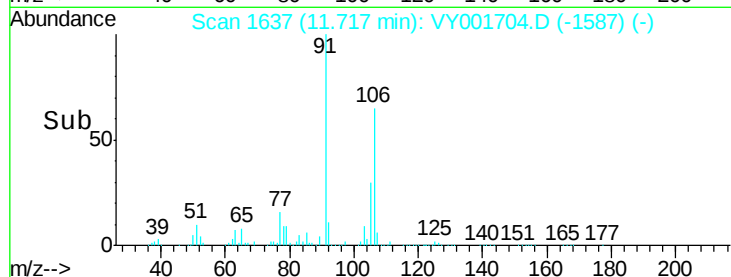
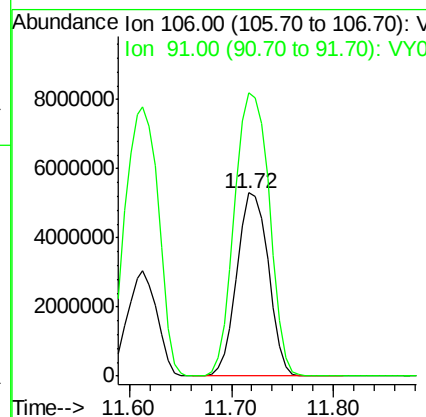
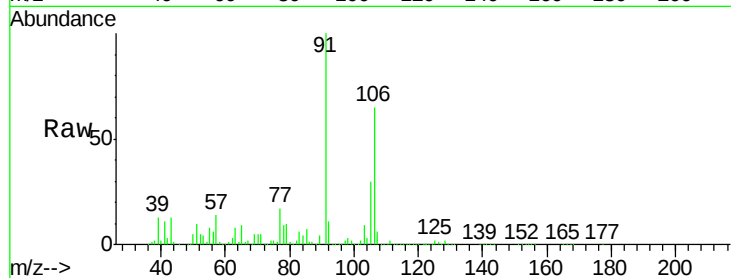
#68
m/p-Xvlenes
Concen: 33237.770 ug/l
RT: 11.72 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VY001704.D
Acq: 19 Feb 2020 17:14

Instrument :
MSVOA_Y
ClientSampleId :
SB3-9.5-10.0

Tot Ion:106 Resp:11396221
Ion Ratio Lower Upper
106 100
91 170.3 163.3 244.9

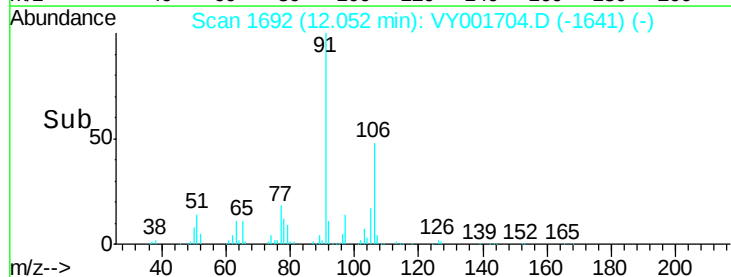
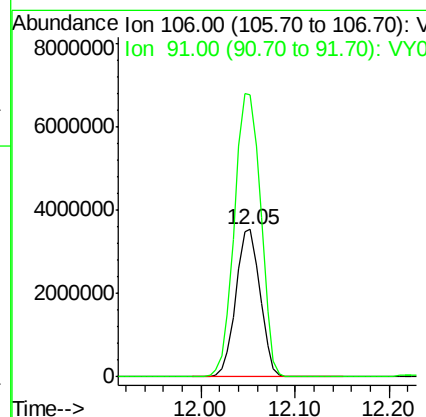
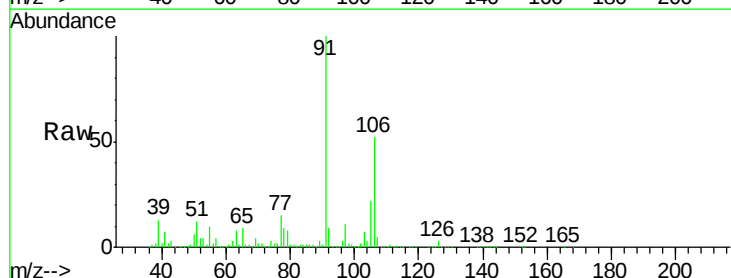
Manual Integrations
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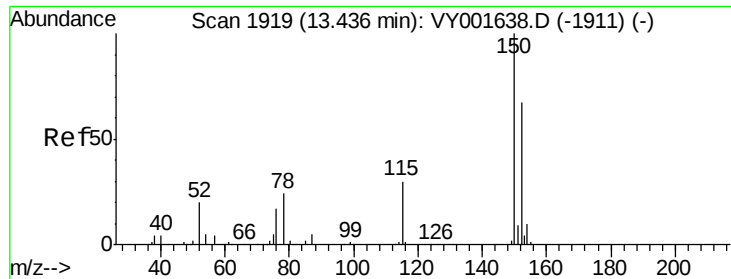
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#69
o-Xylene
Concen: 19418.494 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.01 min
Lab File: VY001704.D
Acq: 19 Feb 2020 17:14

Tgt Ion:106 Resp: 6329737
Ion Ratio Lower Upper
106 100
91 208.1 108.3 324.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.41 min Scan# 1915

Delta R.T. -0.02 min

Lab File: VY001704.D

Acq: 19 Feb 2020 17:14

Instrument :

MSVOA_Y

ClientSampleId :

SB3-9.5-10.0

Tot Ion:152 Resp: 27738

Ion Ratio Lower Upper

152 100

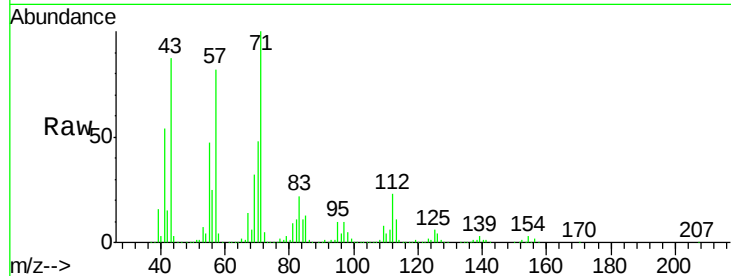
115 0.0 31.4 94.2#

150 0.0 0.0 407.2

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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

250000

200000

150000

100000

50000

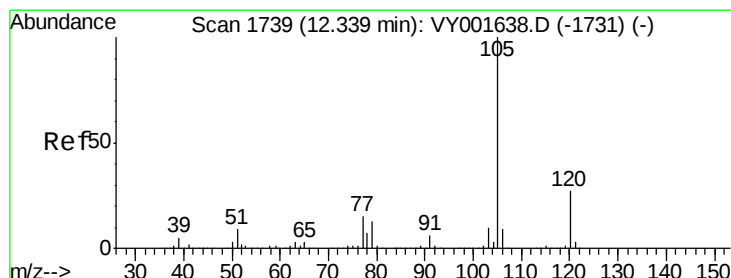
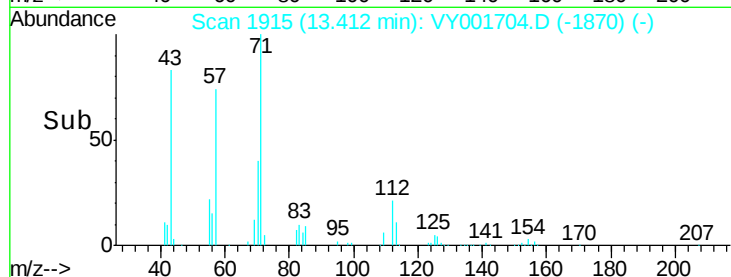
0

13.35

13.40

13.45

Time-->



#73

Isopropylbenzene

Concen: 4012.664 ug/l

RT: 12.34 min Scan# 1740

Delta R.T. 0.01 min

Lab File: VY001704.D

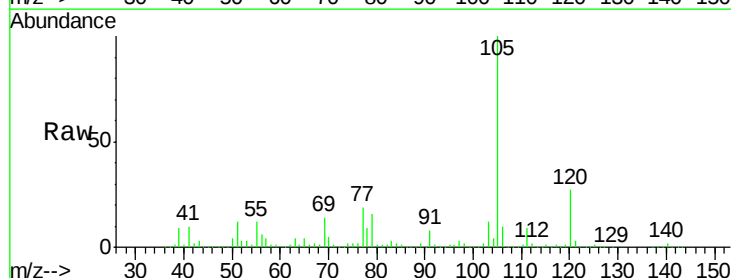
Acq: 19 Feb 2020 17:14

Tgt Ion:105 Resp: 8479316

Ion Ratio Lower Upper

105 100

120 26.9 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

5000000

4000000

3000000

2000000

1000000

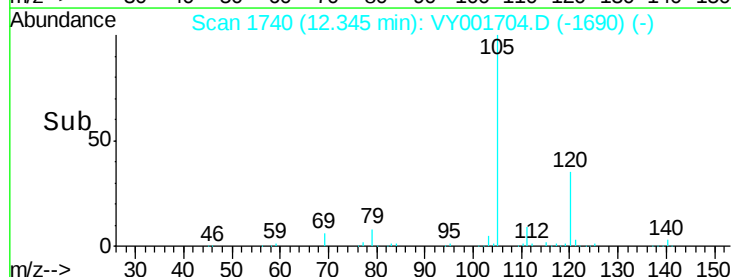
0

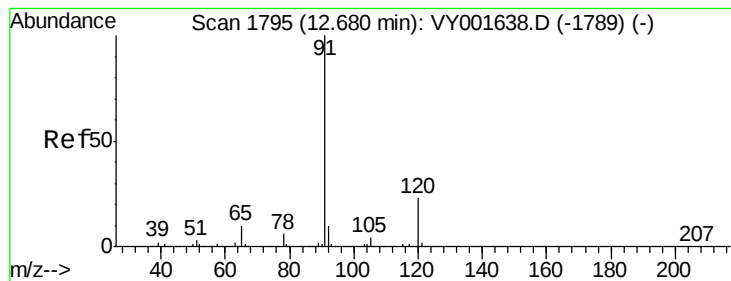
12.20

12.30

12.40

Time-->





#78

n-propylbenzene

Concen: 4676.970 ug/l

RT: 12.69 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VY001704.D

Acq: 19 Feb 2020 17:14

Instrument :

MSVOA_Y

ClientSampleId :

SB3-9.5-10.0

Tot Ion: 91 Resp: 12036694

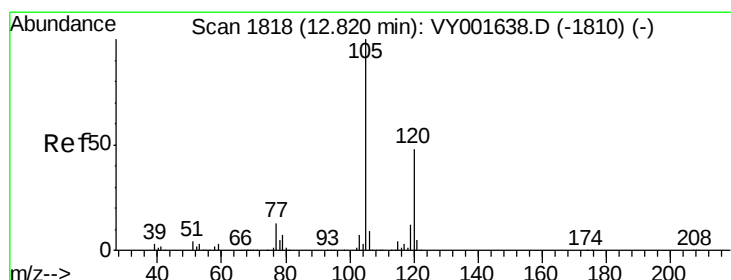
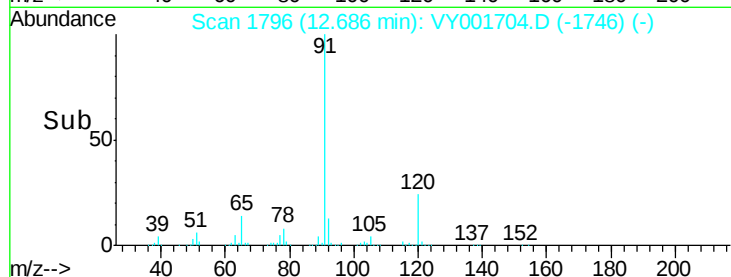
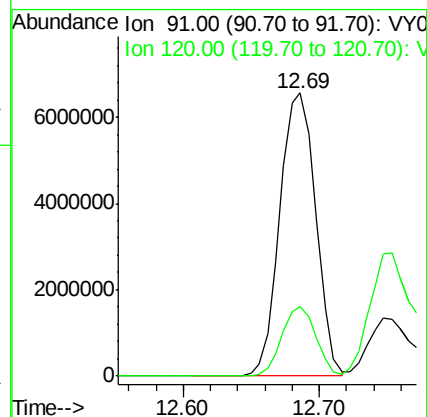
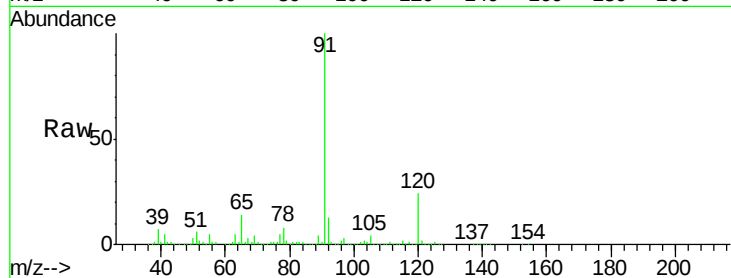
Ion Ratio Lower Upper

91 100

120 23.5 11.1 33.1

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#80

1,3,5-Trimethylbenzene

Concen: 1741.216 ug/l

RT: 12.83 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VY001704.D

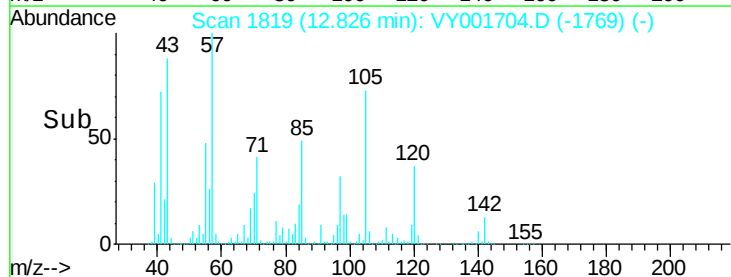
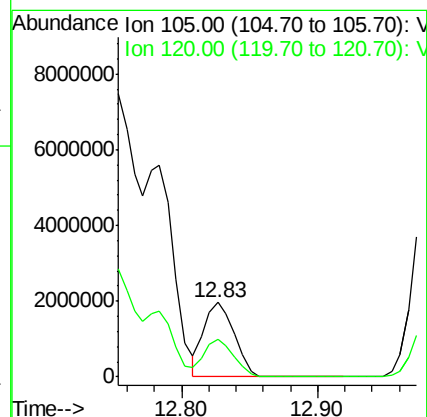
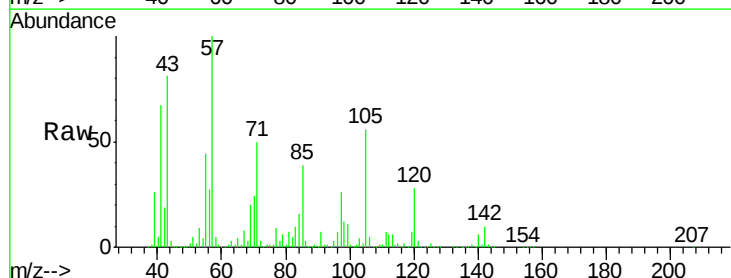
Acq: 19 Feb 2020 17:14

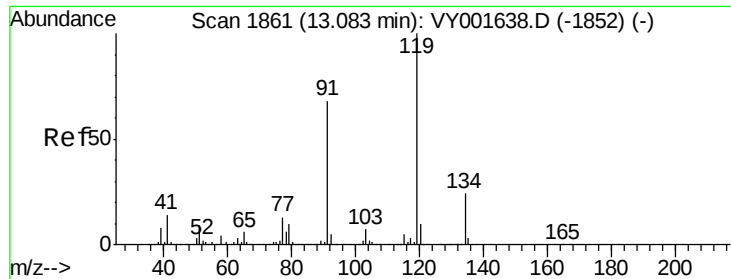
Tgt Ion: 105 Resp: 3045766

Ion Ratio Lower Upper

105 100

120 49.0 24.3 72.9





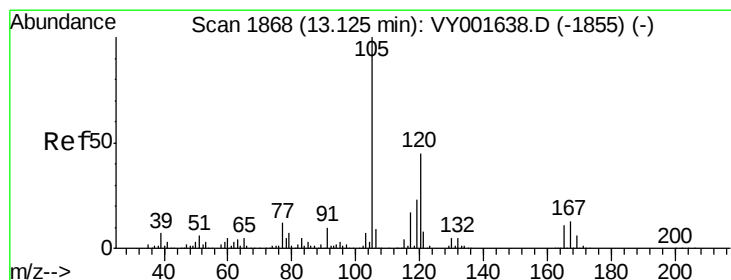
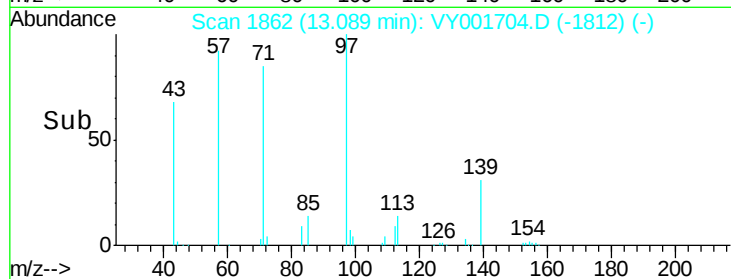
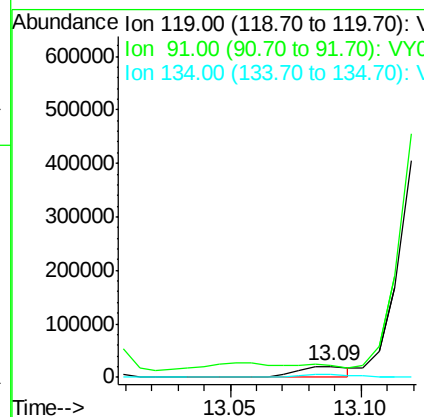
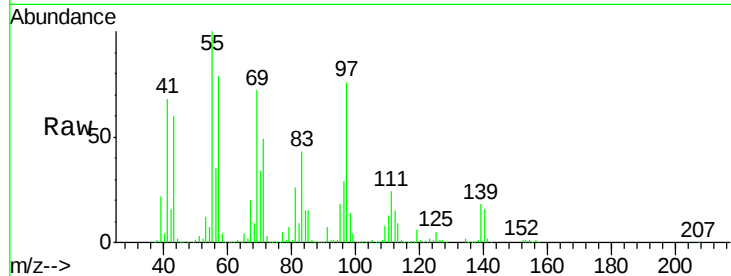
#83
tert-Butylbenzene
Concen: 19.600 ug/l m
RT: 13.09 min Scan# 1862
Delta R.T. 0.01 min
Lab File: VY001704.D
Acq: 19 Feb 2020 17:14

Instrument :
MSVOA_Y
ClientSampleId :
SB3-9.5-10.0

Tot Ion:119 Resp: 28675
Ion Ratio Lower Upper
119 100
91 5802.3 33.5 100.5
134 0.0 13.3 39.8#

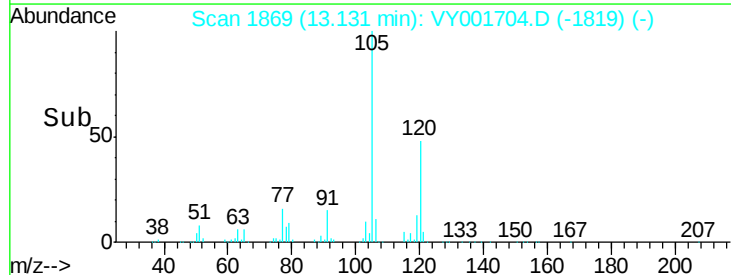
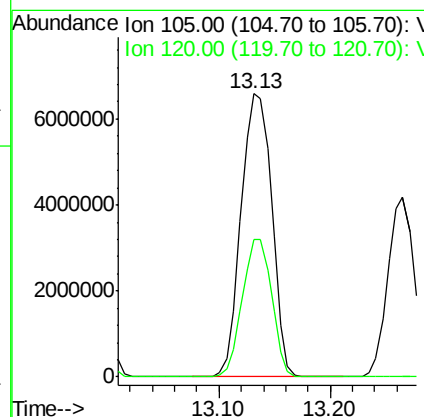
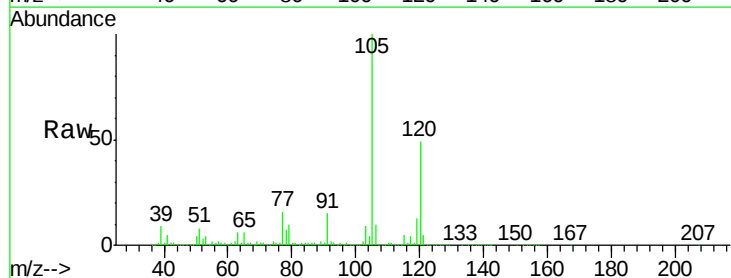
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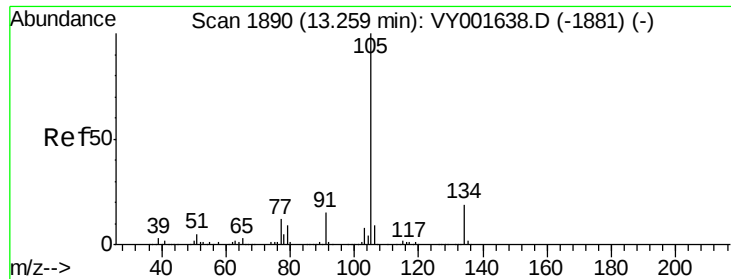
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#84
1,2,4-Trimethylbenzene
Concen: 7214.747 ug/l
RT: 13.13 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VY001704.D
Acq: 19 Feb 2020 17:14

Tgt Ion:105 Resp:12581757
Ion Ratio Lower Upper
105 100
120 46.7 22.4 67.3





#85

sec-Butylbenzene

Concen: 3202.789 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VY001704.D

Acq: 19 Feb 2020 17:14

Instrument :

MSVOA_Y

ClientSampleId :

SB3-9.5-10.0

Tot Ion:105 Resp: 6891321

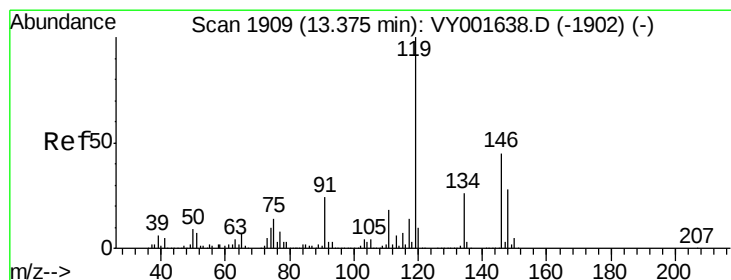
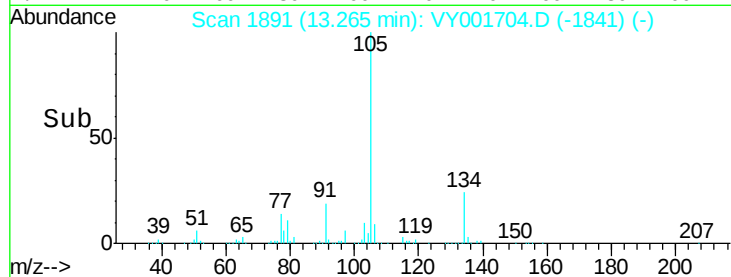
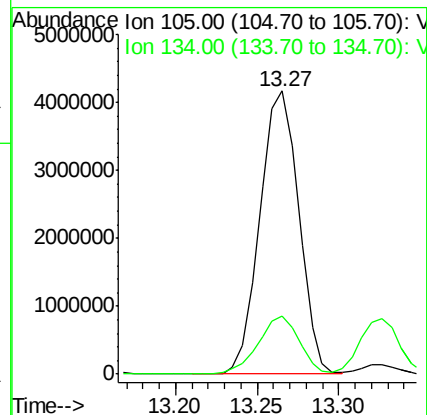
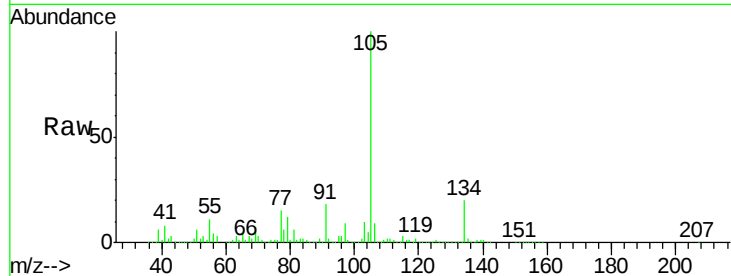
Ion Ratio Lower Upper

105 100

134 21.7 9.8 29.3

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#86

p-Isopropyltoluene

Concen: 1287.322 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.01 min

Lab File: VY001704.D

Acq: 19 Feb 2020 17:14

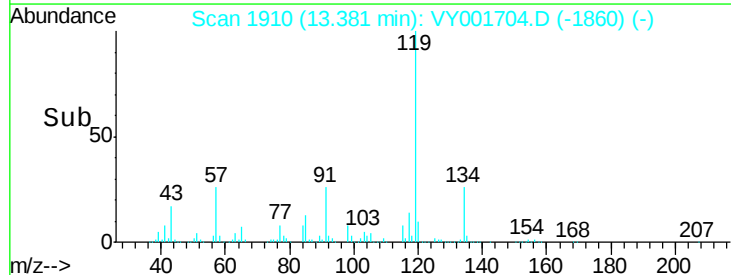
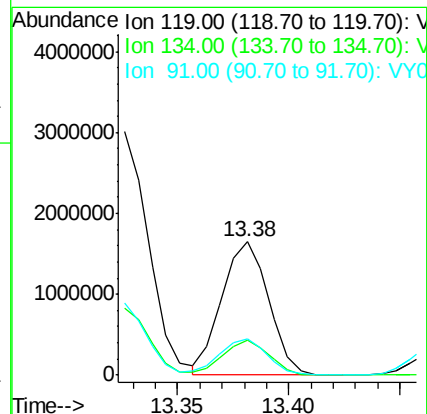
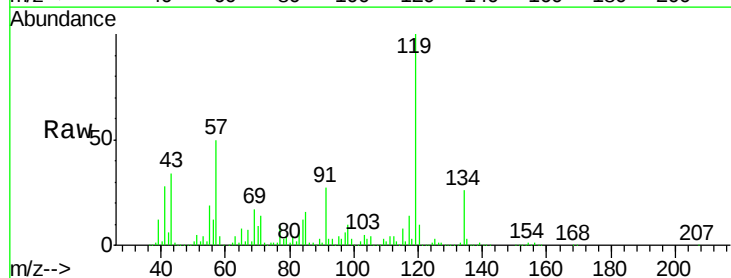
Tgt Ion:119 Resp: 2406283

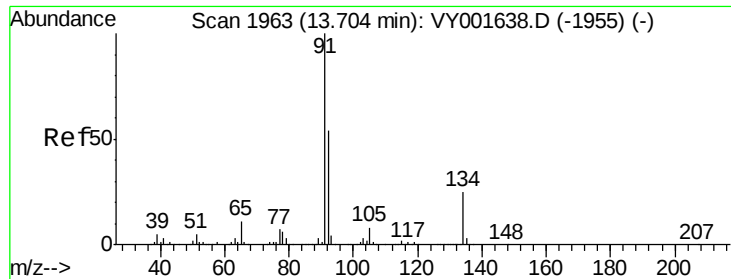
Ion Ratio Lower Upper

119 100

134 25.7 13.0 39.0

91 26.6 12.2 36.6





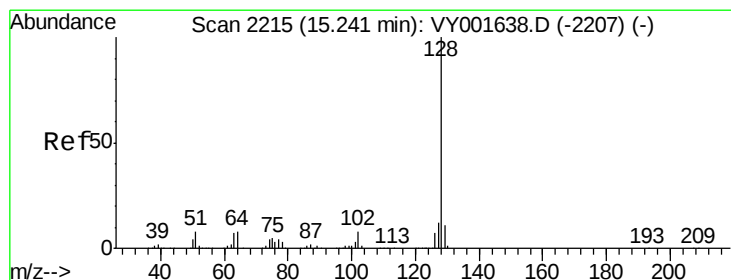
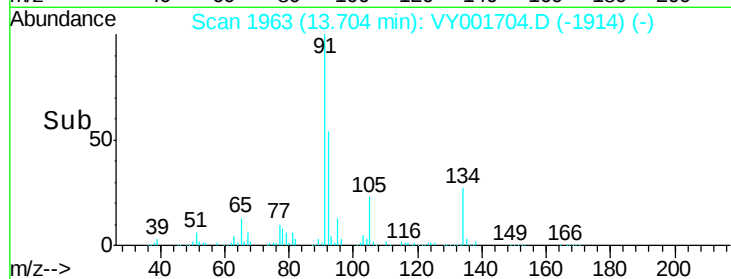
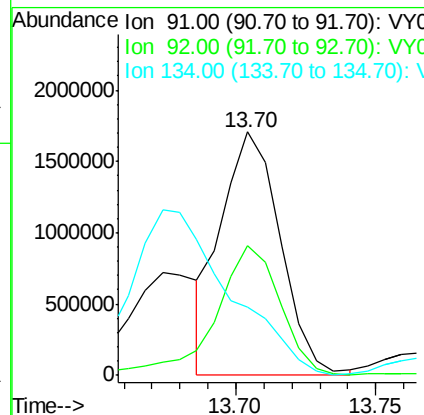
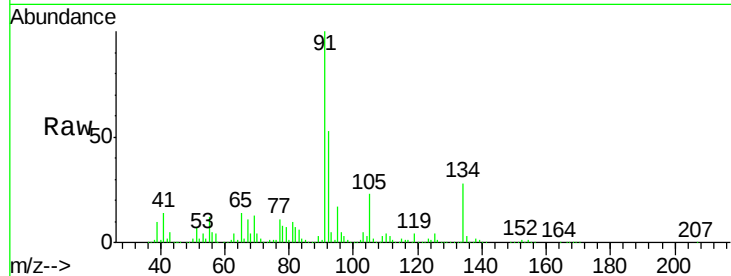
#89
n-Butylbenzene
Concen: 1313.750 ug/l m
RT: 13.70 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VY001704.D
Acq: 19 Feb 2020 17:14

Instrument :
MSVOA_Y
ClientSampleId :
SB3-9.5-10.0

Tot Ion: 91 Resp: 2509250
Ion Ratio Lower Upper
91 100
92 56.7 27.5 82.4
134 0.0 12.4 37.4#

Manual Integrations
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#95
Naphthalene
Concen: 434.461 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. -0.00 min
Lab File: VY001704.D
Acq: 19 Feb 2020 17:14

Tgt Ion:128 Resp: 544265
Ion Ratio Lower Upper
128 100
127 12.7 9.9 14.9
129 11.8 8.6 13.0

