

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022020\
 Data File : VY001721.D
 Acq On : 20 Feb 2020 14:05
 Operator : SY/MD
 Sample : L1601-04
 Misc : 3.81G/5ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SW-2

Manual Integrations
 APPROVED

MMDadoda
 2/21/2020 3:23:28 PM

Quant Time: Feb 21 08:28:38 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	7.83	168	125753	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.72	114	267430	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.51	117	258289	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	115973	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.17	65	105192	77.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	155.54%	
35) Dibromofluoromethane	7.75	113	89917	58.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.40%	
50) Toluene-d8	10.21	98	441294	73.54	ug/l	0.01
Spiked Amount 50.000			Recovery	=	147.08%	
62) 4-Bromofluorobenzene	12.50	95	162133	69.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	139.10%	
Target Compounds						
					Qvalue	
31) Cyclohexane	7.82	56	4191064	1474.794	ug/l #	57
39) Methylcyclohexane	9.21	83	3058459	902.483	ug/l #	79
40) Benzene	8.19	78	532707	70.906	ug/l	99
52) Toluene	10.27	92	13224634	2821.976	ug/l	84
67) Ethyl Benzene	11.61	91	23758012	2482.646	ug/l #	62
68) m/p-Xylenes	11.74	106	24351696	6812.248	ug/l #	1
69) o-Xylene	12.06	106	13357042	3930.342	ug/l	70
73) Isopropylbenzene	12.34	105	5689944	644.018	ug/l	100
78) n-propylbenzene	12.69	91	15041613	1397.880	ug/l	95
80) 1,3,5-Trimethylbenzene	12.83	105	12215606	1670.280	ug/l	90
83) tert-Butylbenzene	13.09	119	62421m	10.205	ug/l	
84) 1,2,4-Trimethylbenzene	13.13	105	23717894m	3252.926	ug/l	
85) sec-Butylbenzene	13.27	105	1692152	188.098	ug/l #	55
86) p-Isopropyltoluene	13.38	119	674301	86.280	ug/l	98
89) n-Butylbenzene	13.71	91	2119692	265.436	ug/l #	76
95) Naphthalene	15.25	128	7560989	1443.569	ug/l	98

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

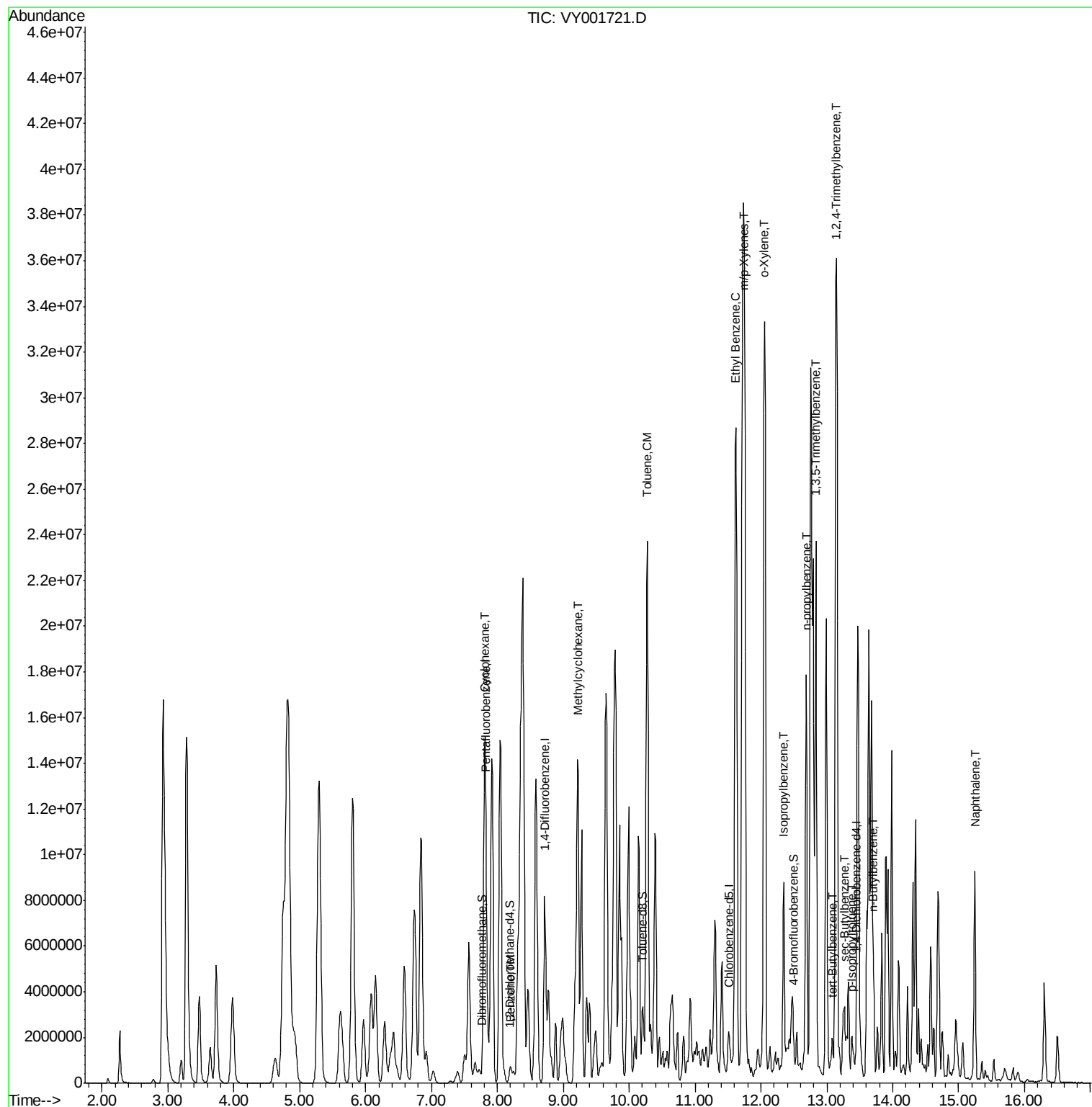
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY022020\
Data File : VY001721.D
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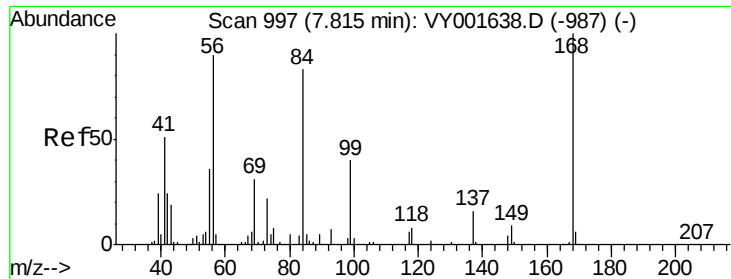
Instrument :
MSVOA_Y
ClientSampleId :
SW-2

Manual Integrations
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Quant Time: Feb 21 08:28:38 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: 7.83 min Scan# 1000

Delta R.T. 0.02 min

Lab File: VY001721.D

Acq: 20 Feb 2020 14:05

Instrument :

MSVOA_Y

ClientSampled :

SW-2

Tot Ion:168 Resp: 125753

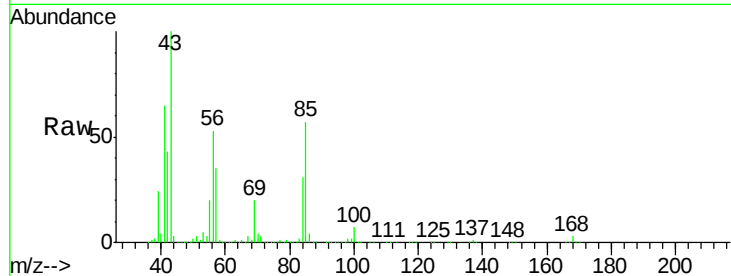
Ion Ratio Lower Upper

168 100

99 74.1 47.5 71.3#

Manual Integrations
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Abundance Ion 167.90 (167.60 to 168.60): VY001721.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY001721.D (-947) (-)

7.83

60000

50000

40000

30000

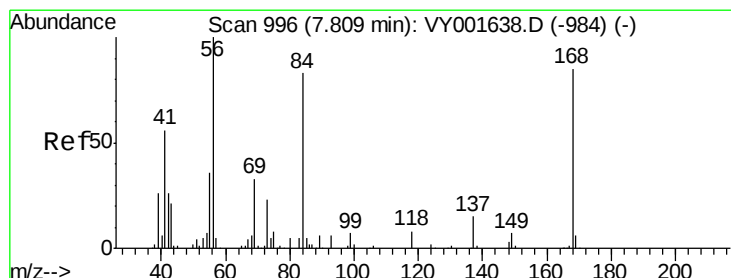
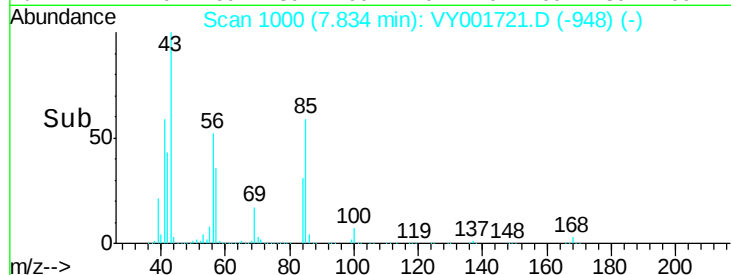
20000

10000

0

7.70 7.80 7.90

Time-->



#31

Cyclohexane

Concen: 1474.794 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY001721.D

Acq: 20 Feb 2020 14:05

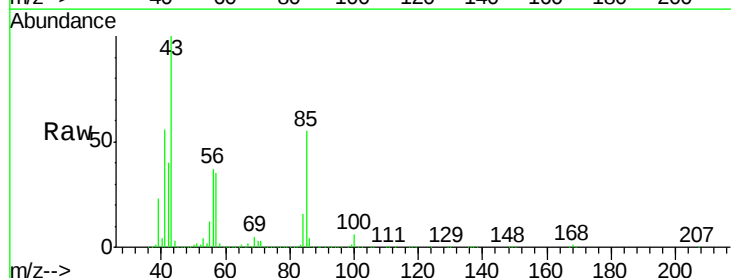
Tgt Ion: 56 Resp: 4191064

Ion Ratio Lower Upper

56 100

69 8.2 25.1 37.7#

84 44.7 66.9 100.3#



Abundance Ion 56.00 (55.70 to 56.70): VY001721.D (-947) (-)

Ion 69.00 (68.70 to 69.70): VY001721.D (-947) (-)

Ion 84.00 (83.70 to 84.70): VY001721.D (-947) (-)

4000000

3000000

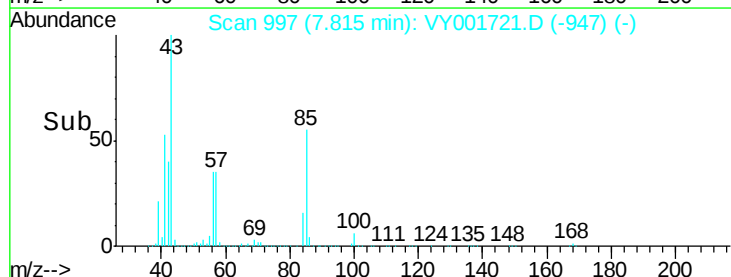
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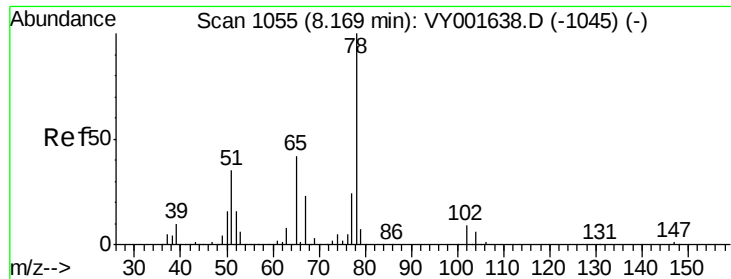
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7.70 7.75 7.80 7.85 7.90

Time-->





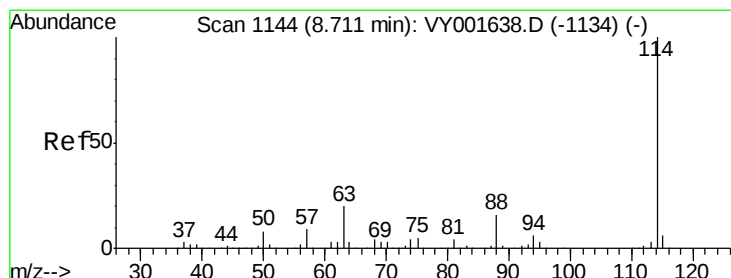
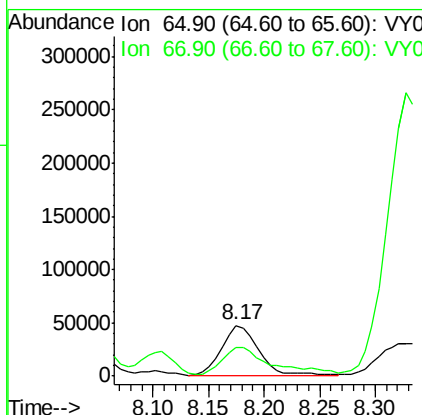
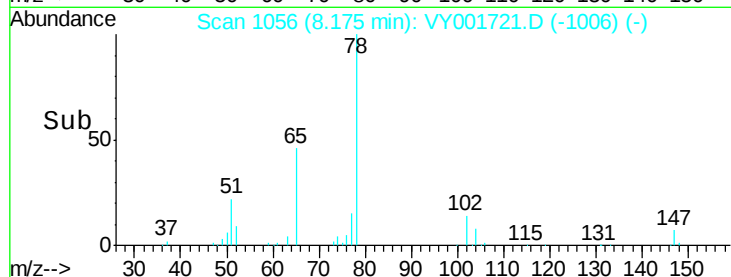
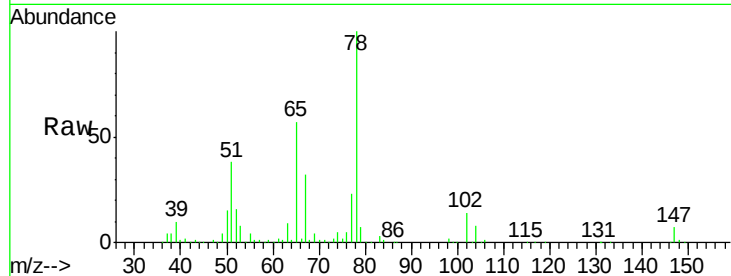
#33
 1,2-Dichloroethane-d4
 Concen: 77.767 ug/l
 RT: 8.17 min Scan# 1056
 Delta R.T. 0.01 min
 Lab File: VY001721.D
 Acq: 20 Feb 2020 14:05

Instrument :
 MSVOA_Y
 ClientSampled :
 SW-2

Tot Ion	Ratio	Resp	Lower	Upper
65	100	105192		
67	68.1	0.0	111.0	

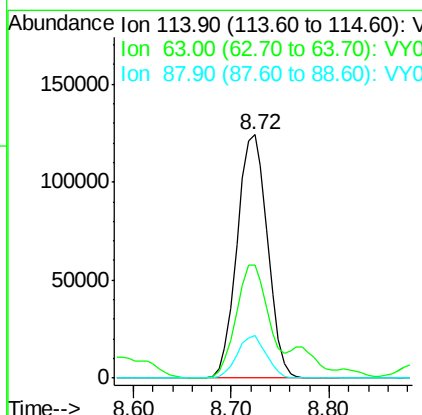
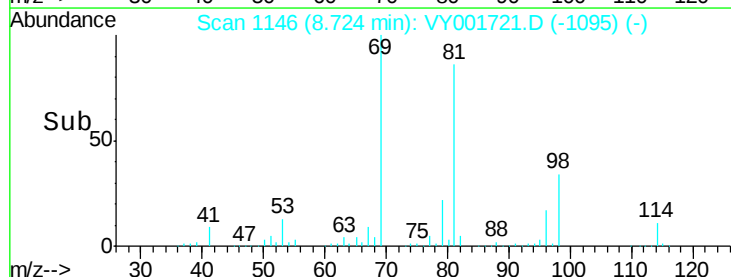
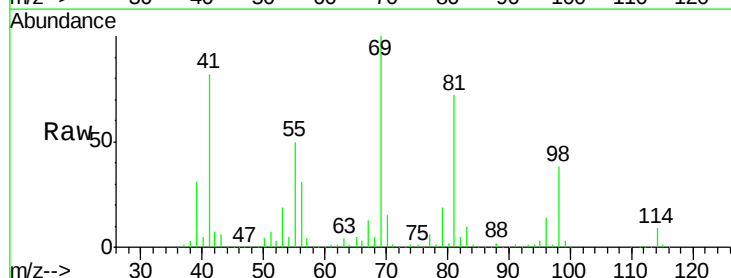
Manual Integrations
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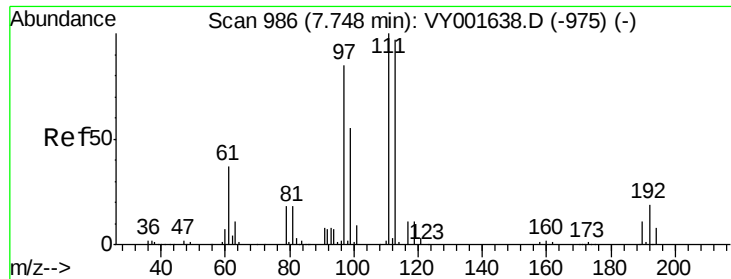
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.72 min Scan# 1146
 Delta R.T. 0.01 min
 Lab File: VY001721.D
 Acq: 20 Feb 2020 14:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	267430		
63	46.2	0.0	41.4#	
88	17.6	0.0	32.8	





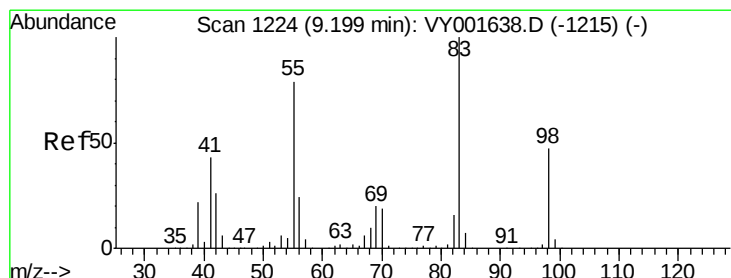
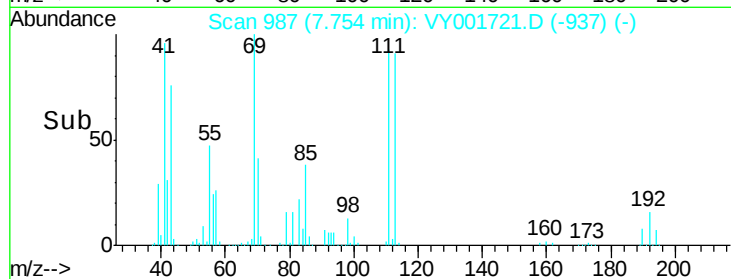
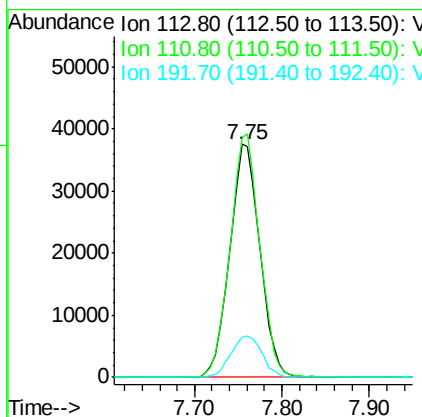
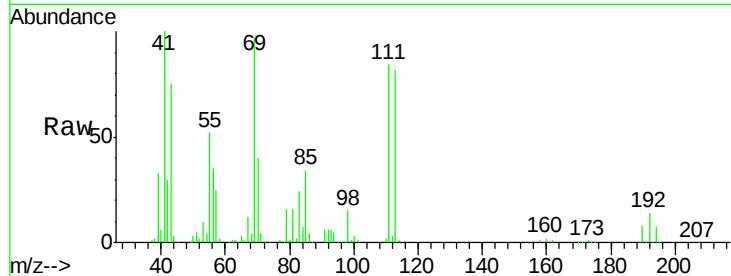
#35
Dibromofluoromethane
Concen: 58.703 ug/l
RT: 7.75 min Scan# 987
Delta R.T. 0.01 min
Lab File: VY001721.D
Acq: 20 Feb 2020 14:05

Instrument :
MSVOA_Y
ClientSampled :
SW-2

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.9	122.9
192	18.4	14.3	21.5

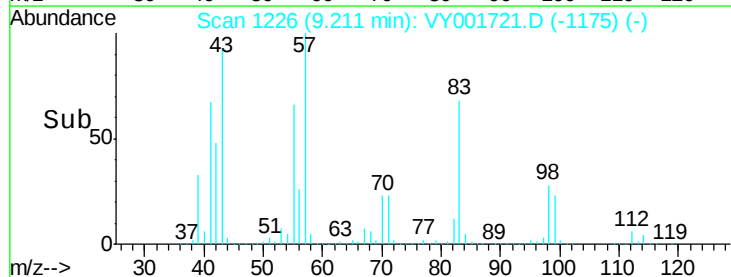
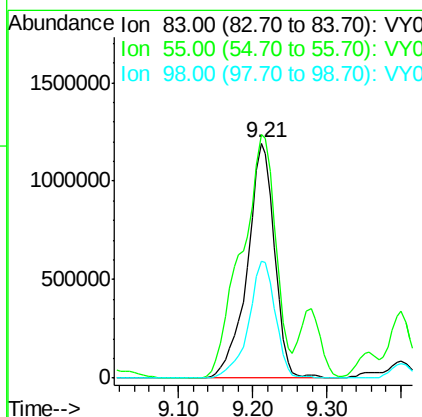
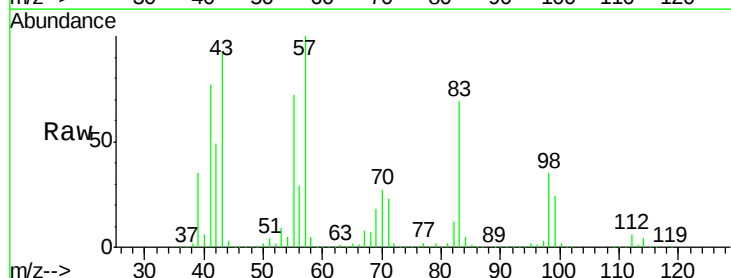
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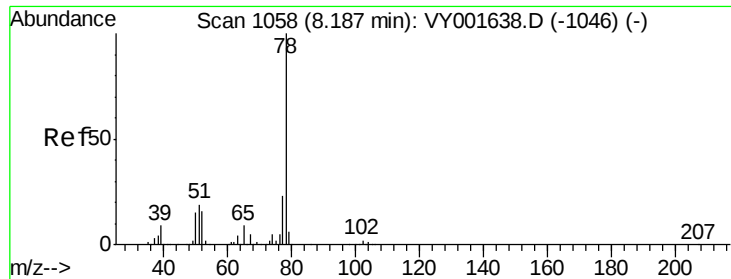
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#39
Methylcyclohexane
Concen: 902.483 ug/l
RT: 9.21 min Scan# 1226
Delta R.T. 0.01 min
Lab File: VY001721.D
Acq: 20 Feb 2020 14:05

Tgt Ion	Ratio	Lower	Upper
83	100		
55	103.6	61.3	91.9#
98	49.9	38.0	57.0





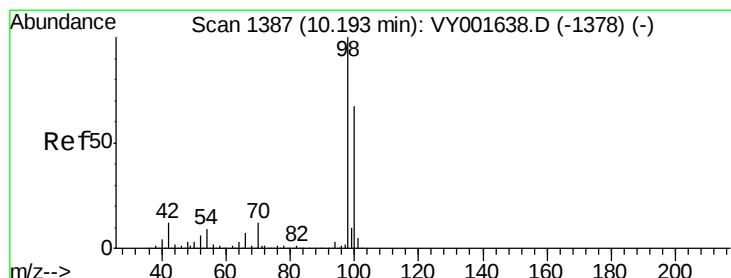
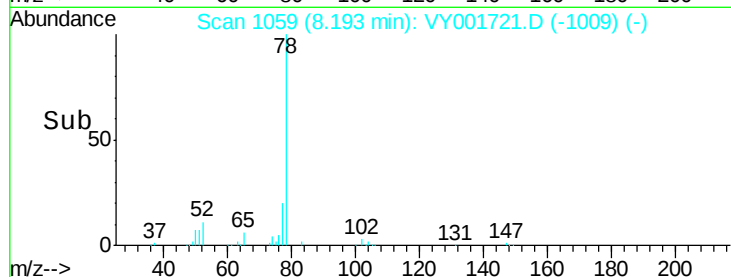
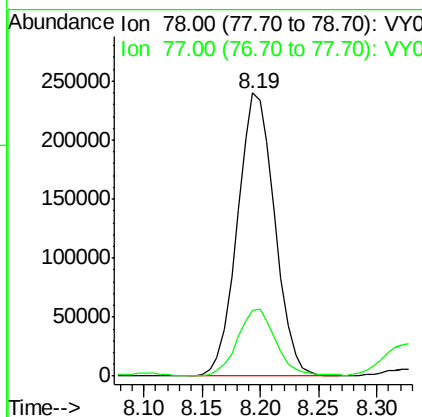
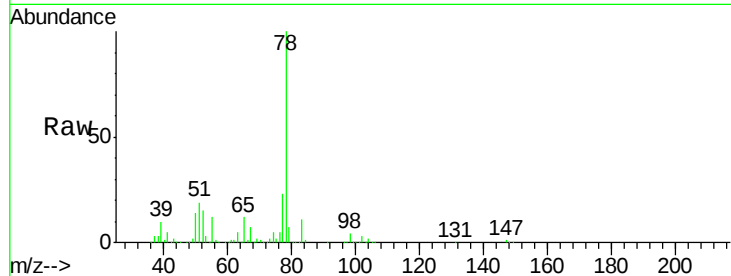
#40
Benzene
Concen: 70.906 ug/l
RT: 8.19 min Scan# 1059
Delta R.T. 0.01 min
Lab File: VY001721.D
Acq: 20 Feb 2020 14:05

Instrument :
MSVOA_Y
ClientSampled :
SW-2

Tot Ion: 78 Resp: 532707
Ion Ratio Lower Upper
78 100
77 23.1 18.2 27.4

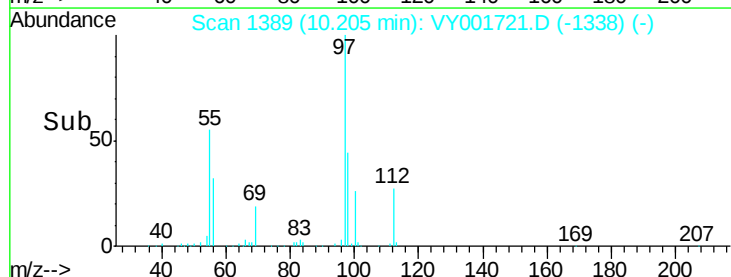
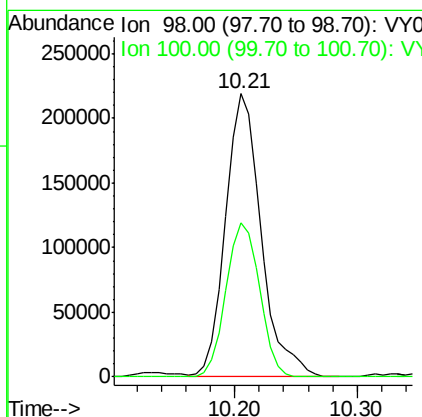
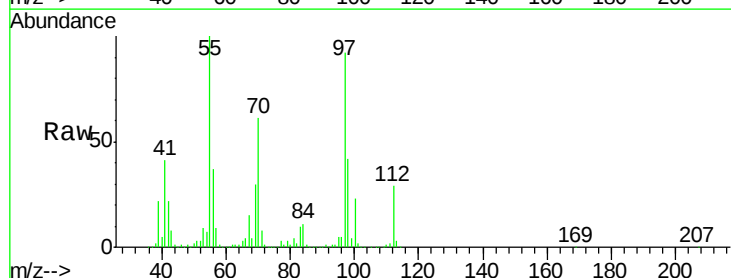
Manual Integrations
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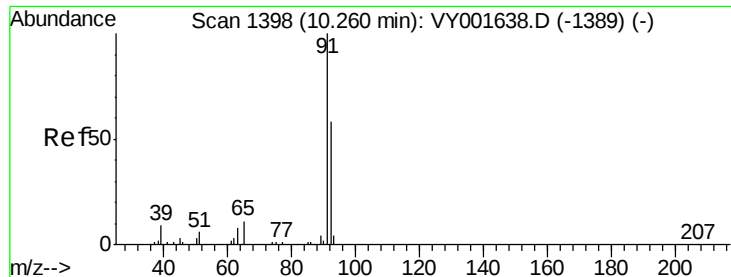
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#50
Toluene-d8
Concen: 73.539 ug/l
RT: 10.21 min Scan# 1389
Delta R.T. 0.01 min
Lab File: VY001721.D
Acq: 20 Feb 2020 14:05

Tgt Ion: 98 Resp: 441294
Ion Ratio Lower Upper
98 100
100 51.3 53.0 79.4#





#52

Toluene

Concen: 2821.976 ug/l

RT: 10.27 min Scan# 1400

Delta R.T. 0.01 min

Lab File: VY001721.D

Acq: 20 Feb 2020 14:05

Instrument :

MSVOA_Y

ClientSampled :

SW-2

Tot Ion: 92 Resp:13224634

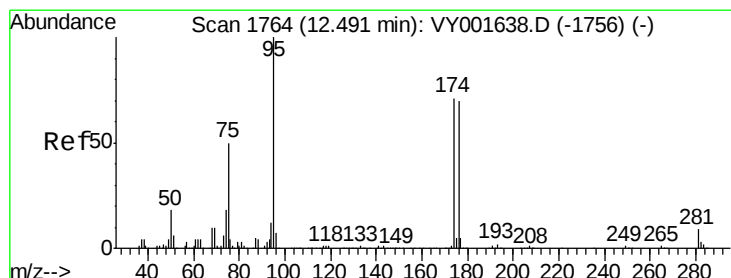
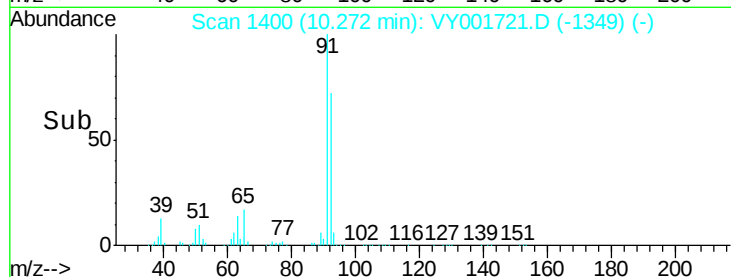
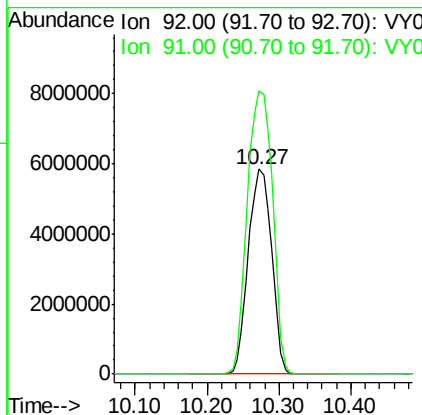
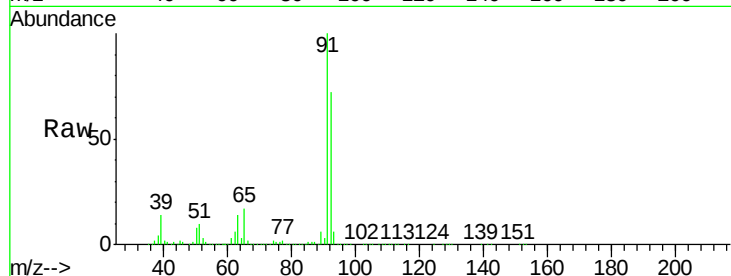
Ion Ratio Lower Upper

92 100

91 149.8 137.0 205.6

Manual Integrations
APPROVED

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#62

4-Bromofluorobenzene

Concen: 69.547 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.01 min

Lab File: VY001721.D

Acq: 20 Feb 2020 14:05

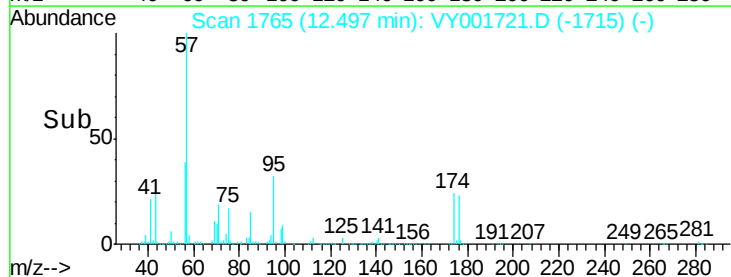
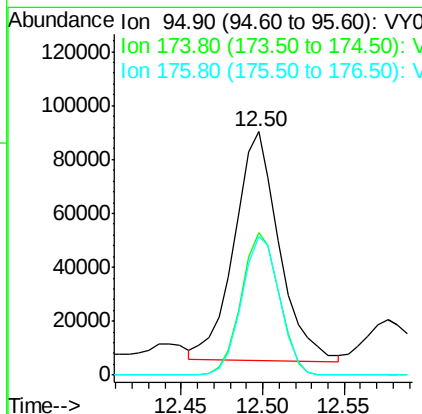
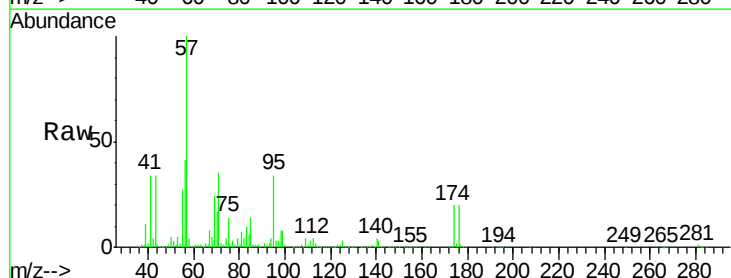
Tgt Ion: 95 Resp: 162133

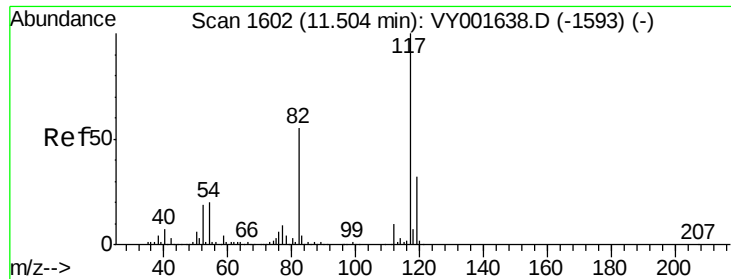
Ion Ratio Lower Upper

95 100

174 52.5 0.0 138.4

176 51.0 0.0 131.8





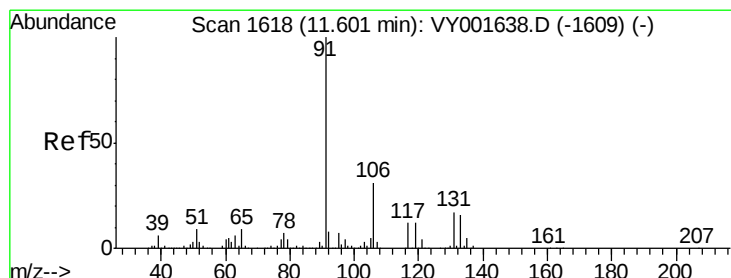
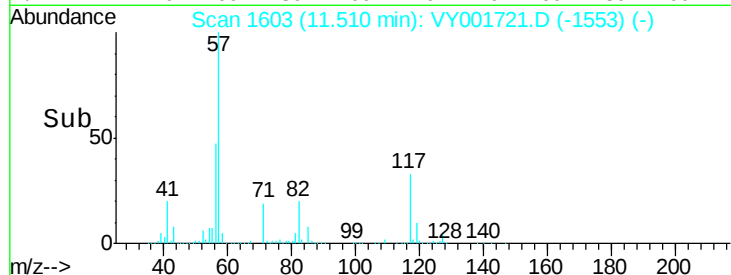
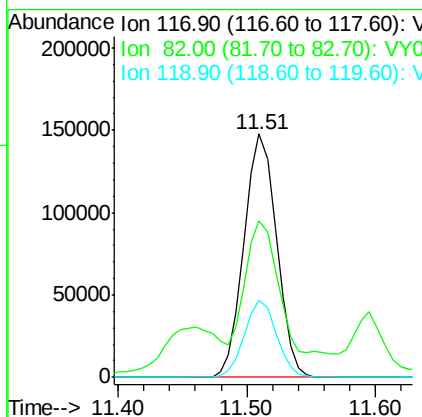
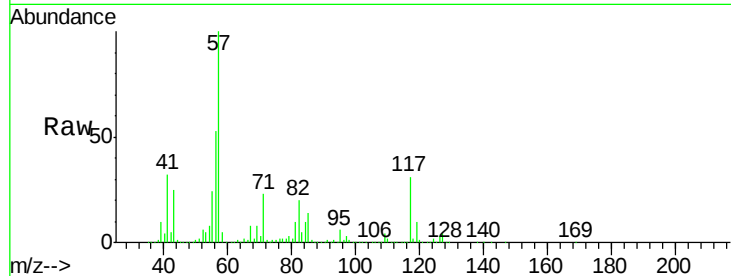
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.51 min Scan# 1603
Delta R.T. 0.01 min
Lab File: VY001721.D
Acq: 20 Feb 2020 14:05

Instrument :
MSVOA_Y
ClientSampleId :
SW-2

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.7	45.5	68.3
119	31.5	25.8	38.6

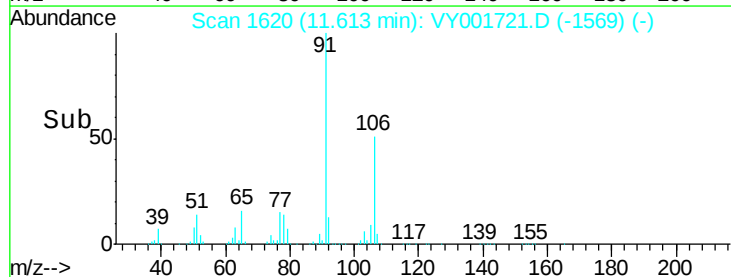
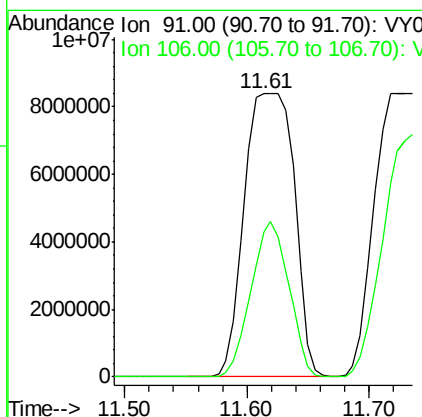
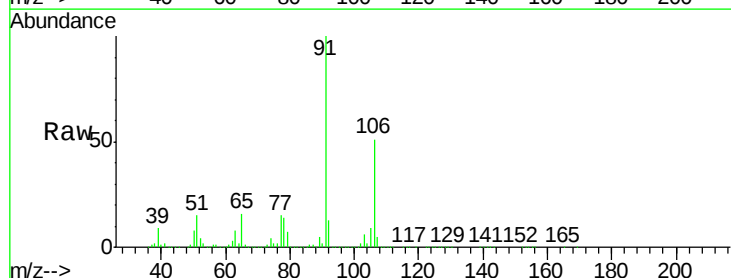
Manual Integrations
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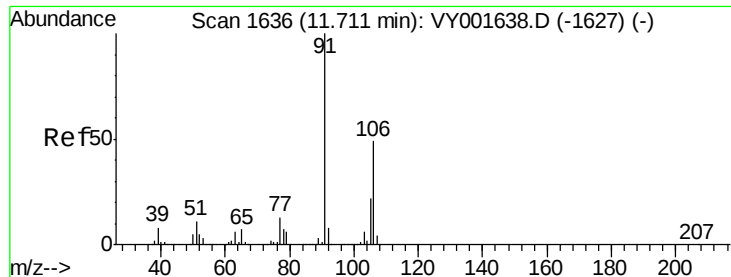
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2/21/2020 3:23:28 PM



#67
Ethyl Benzene
Concen: 2482.646 ug/l
RT: 11.61 min Scan# 1620
Delta R.T. 0.01 min
Lab File: VY001721.D
Acq: 20 Feb 2020 14:05

Tgt Ion	Ratio	Lower	Upper
91	100		
106	51.1	24.5	36.7





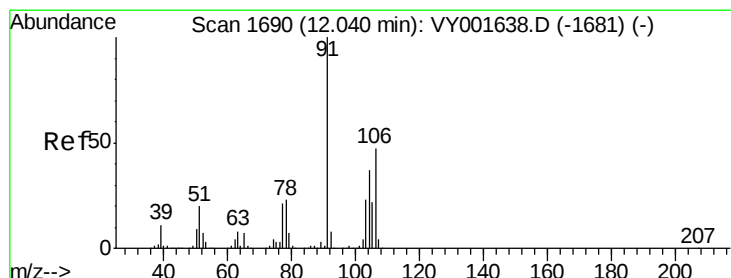
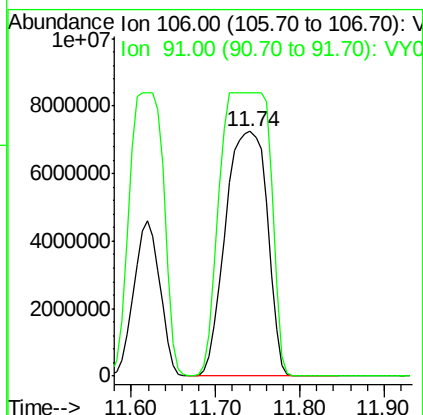
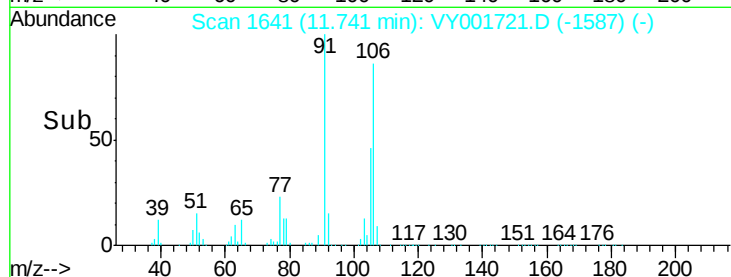
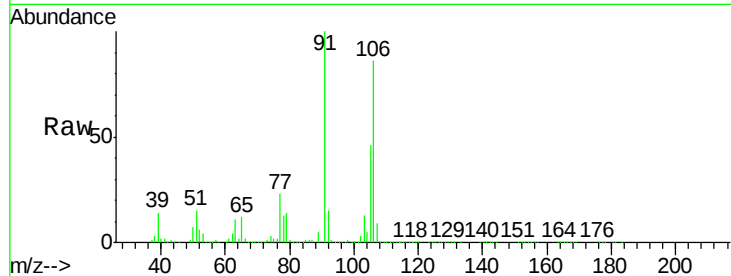
#68
m/p-Xvlenes
Concen: 6812.248 ug/l
RT: 11.74 min Scan# 1641
Delta R.T. 0.03 min
Lab File: VY001721.D
Acq: 20 Feb 2020 14:05

Instrument :
MSVOA_Y
ClientSampled :
SW-2

Tot Ion:106 Resp:24351696
Ion Ratio Lower Upper
106 100
91 0.0 163.3 244.9#

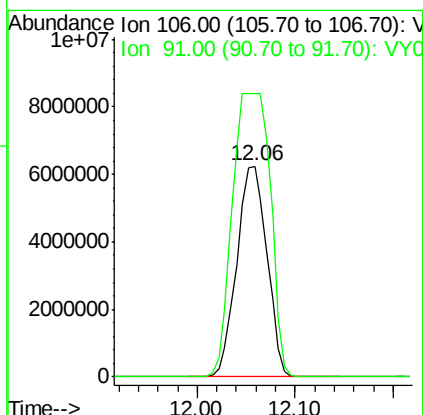
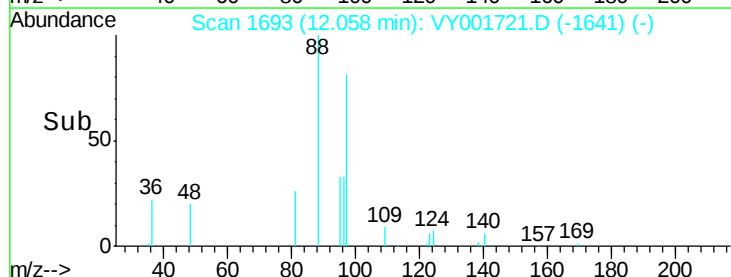
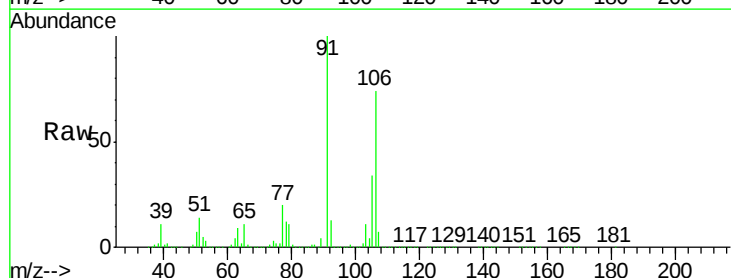
Manual Integrations
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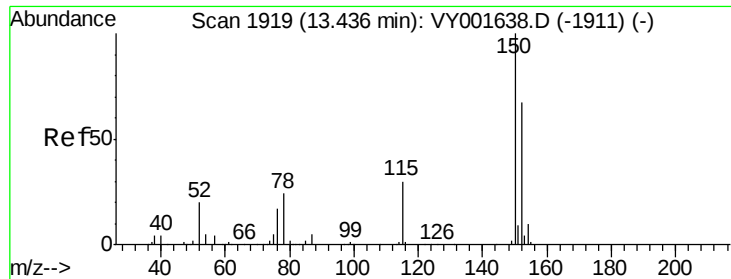
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2/21/2020 3:23:28 PM



#69
o-Xylene
Concen: 3930.342 ug/l
RT: 12.06 min Scan# 1693
Delta R.T. 0.02 min
Lab File: VY001721.D
Acq: 20 Feb 2020 14:05

Tgt Ion:106 Resp:13357042
Ion Ratio Lower Upper
106 100
91 168.7 108.3 324.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1920

Delta R.T. 0.01 min

Lab File: VY001721.D

Acq: 20 Feb 2020 14:05

Instrument :

MSVOA_Y

ClientSampleId :

SW-2

Tot Ion:152 Resp: 115973

Ion Ratio Lower Upper

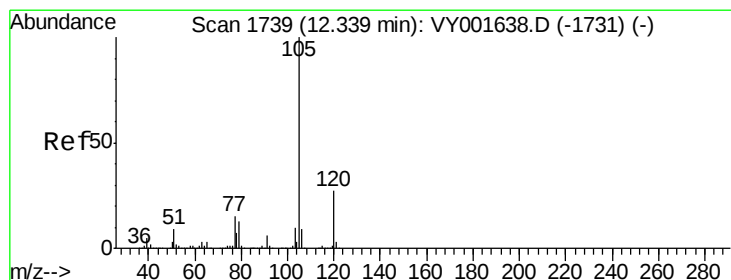
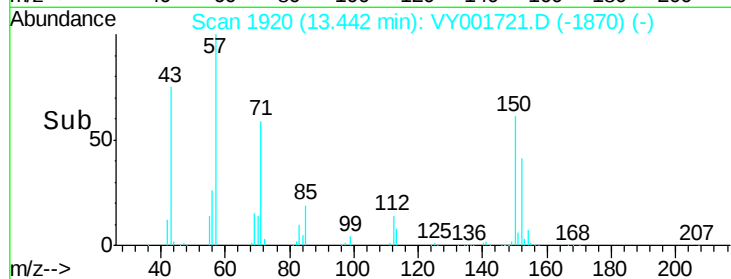
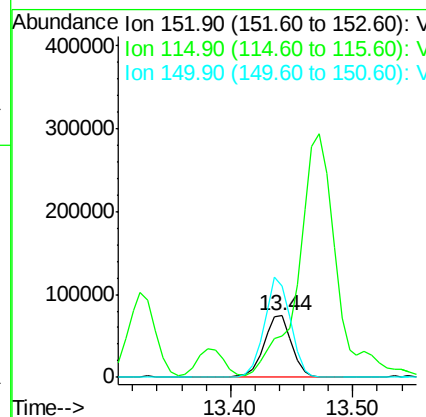
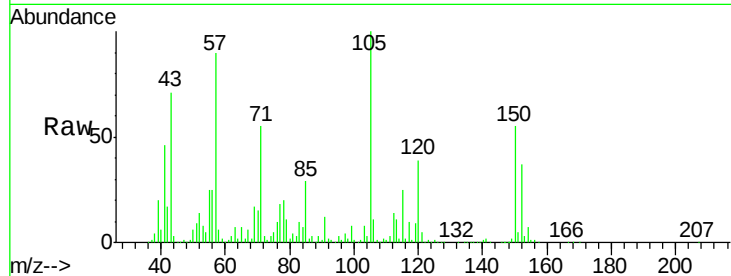
152 100

115 0.0 31.4 94.2#

150 154.1 0.0 407.2

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#73

Isopropylbenzene

Concen: 644.018 ug/l

RT: 12.34 min Scan# 1740

Delta R.T. 0.01 min

Lab File: VY001721.D

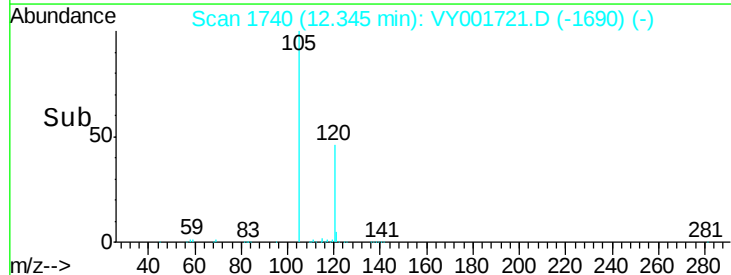
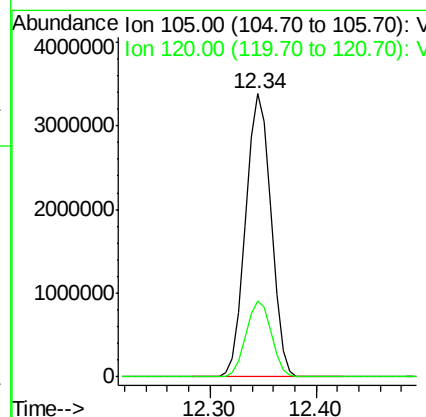
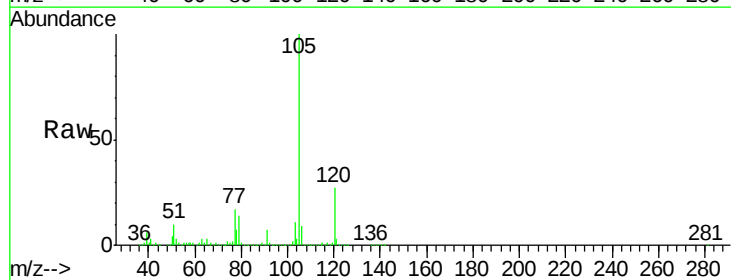
Acq: 20 Feb 2020 14:05

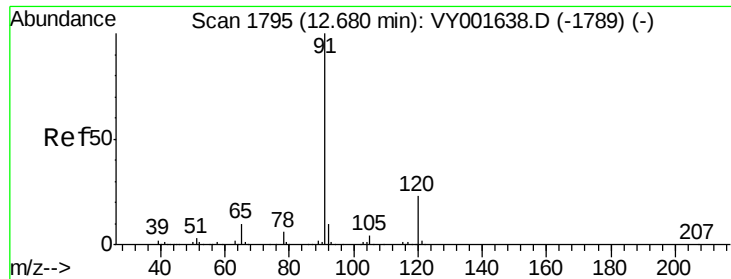
Tgt Ion:105 Resp: 5689944

Ion Ratio Lower Upper

105 100

120 26.8 13.4 40.1





#78

n-propylbenzene

Concen: 1397.880 ug/l

RT: 12.69 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VY001721.D

Acq: 20 Feb 2020 14:05

Instrument :

MSVOA_Y

ClientSampled :

SW-2

Tot Ion: 91 Resp:15041613

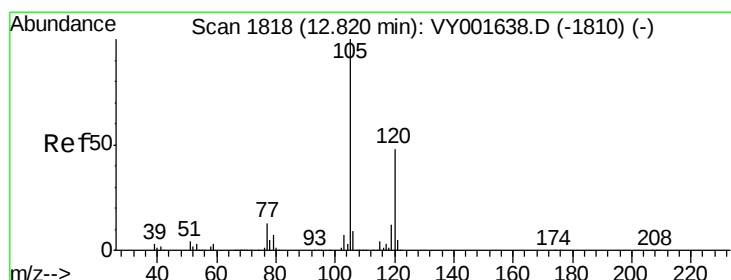
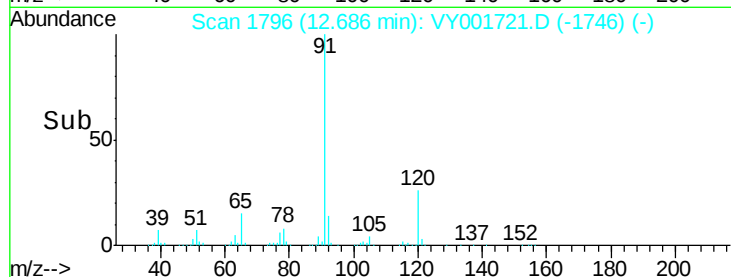
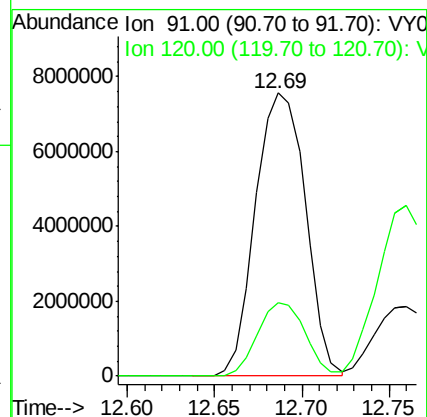
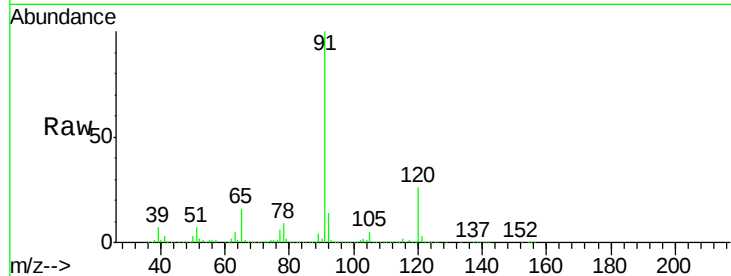
Ion Ratio Lower Upper

91 100

120 24.6 11.1 33.1

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 1670.280 ug/l

RT: 12.83 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VY001721.D

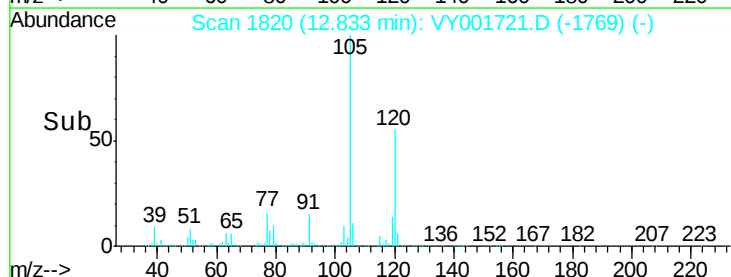
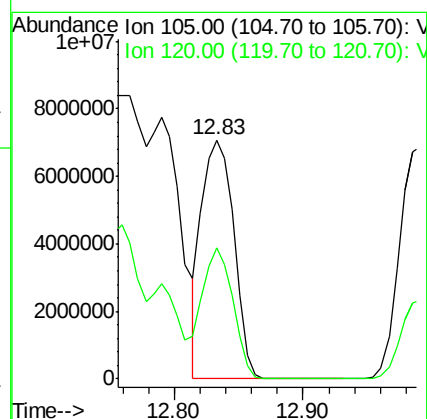
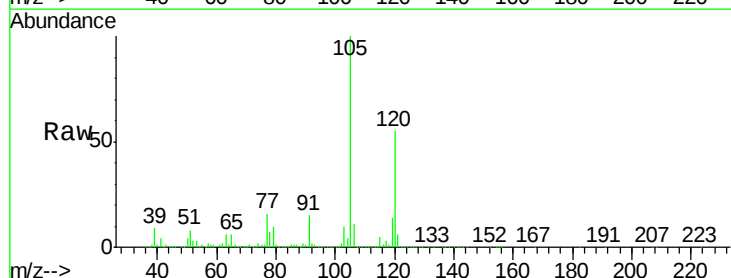
Acq: 20 Feb 2020 14:05

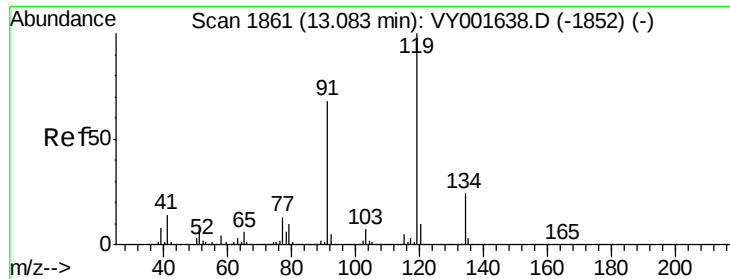
Tgt Ion:105 Resp:12215606

Ion Ratio Lower Upper

105 100

120 55.1 24.3 72.9





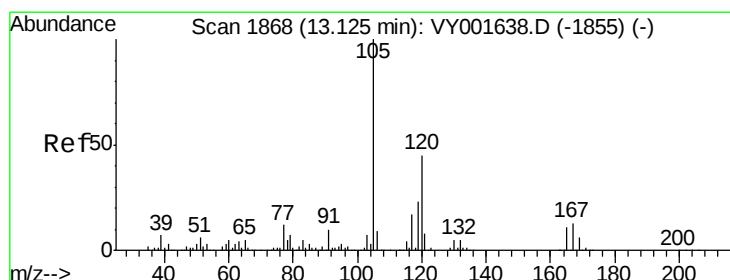
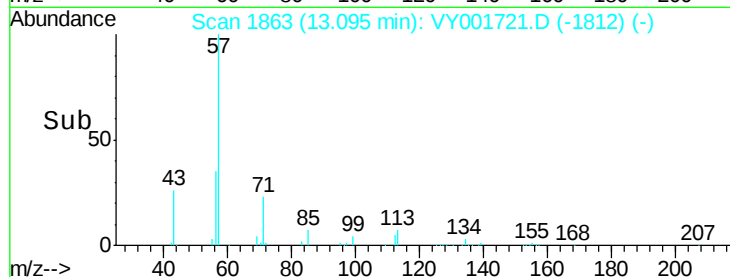
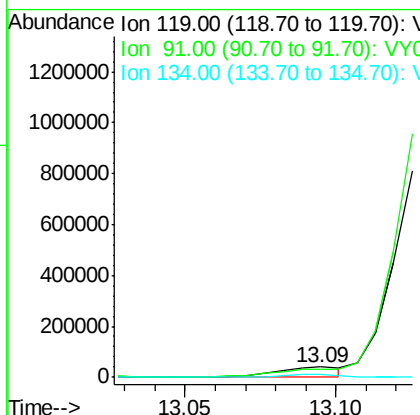
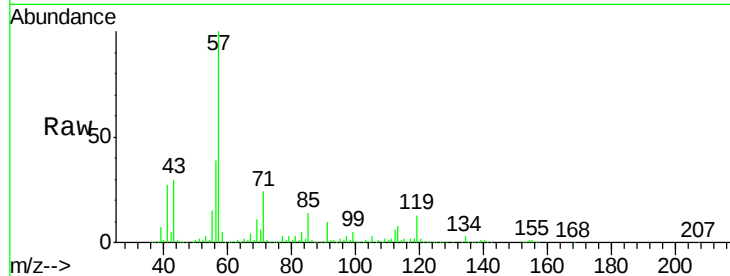
#83
tert-Butylbenzene
Concen: 10.205 ug/l m
RT: 13.09 min Scan# 1863
Delta R.T. 0.01 min
Lab File: VY001721.D
Acq: 20 Feb 2020 14:05

Instrument :
MSVOA_Y
ClientSampleId :
SW-2

Tot Ion:119 Resp: 62421
Ion Ratio Lower Upper
119 100
91 6404.5 33.5 100.5
134 0.0 13.3 39.8#

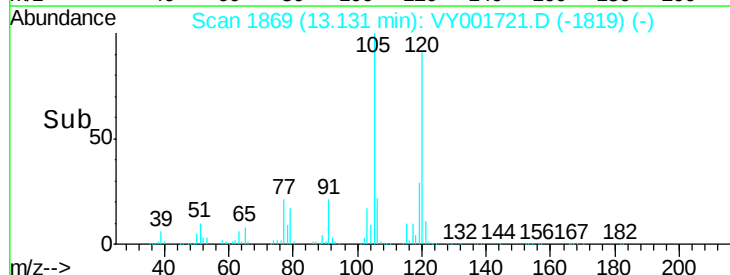
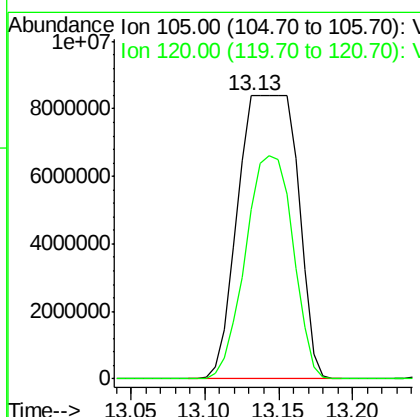
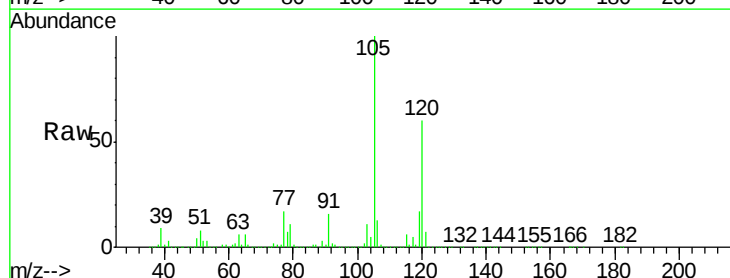
Manual Integrations
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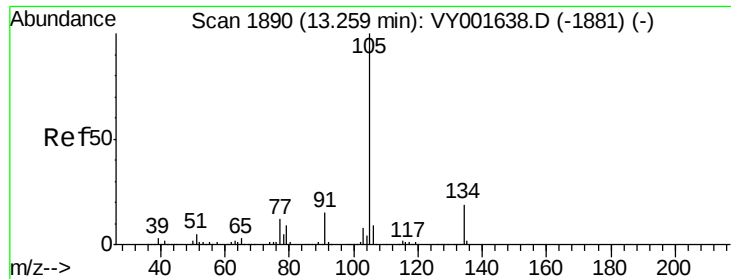
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#84
1,2,4-Trimethylbenzene
Concen: 3252.926 ug/l m
RT: 13.13 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VY001721.D
Acq: 20 Feb 2020 14:05

Tgt Ion:105 Resp:23717894
Ion Ratio Lower Upper
105 100
120 18.5 22.4 67.3#





#85

sec-Butylbenzene

Concen: 188.098 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VY001721.D

Acq: 20 Feb 2020 14:05

Instrument :

MSVOA_Y

ClientSampleId :

SW-2

Tot Ion:105 Resp: 1692152

Ion Ratio Lower Upper

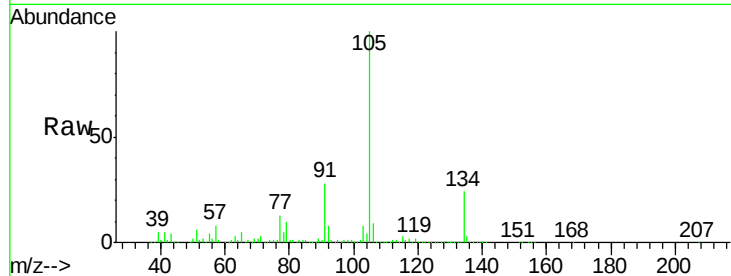
105 100

134 39.8 9.8 29.3#

Manual Integrations
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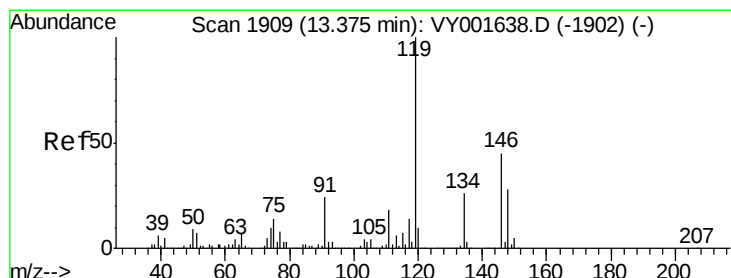
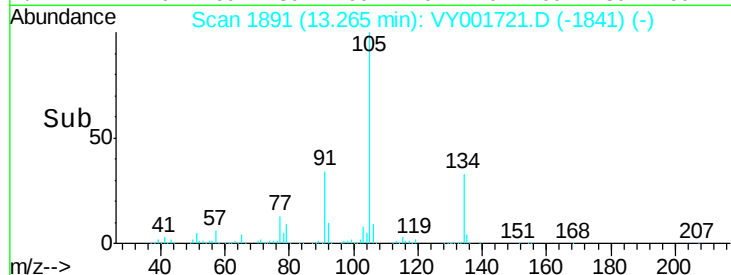
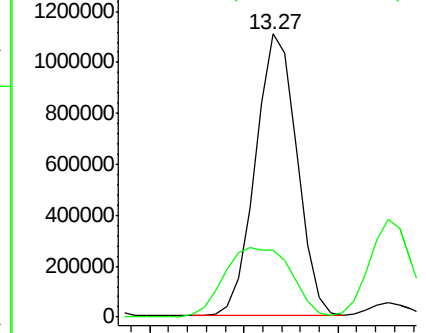
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 86.280 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.01 min

Lab File: VY001721.D

Acq: 20 Feb 2020 14:05

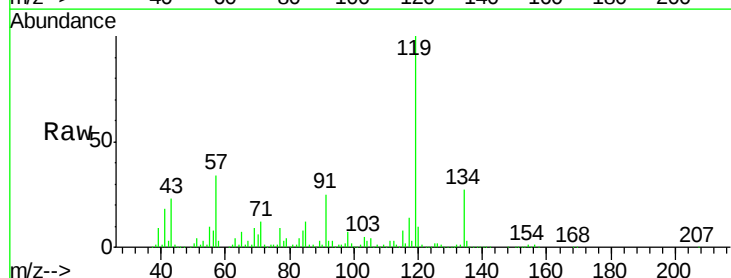
Tgt Ion:119 Resp: 674301

Ion Ratio Lower Upper

119 100

134 26.9 13.0 39.0

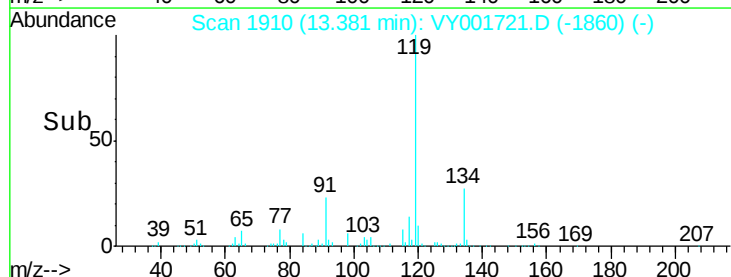
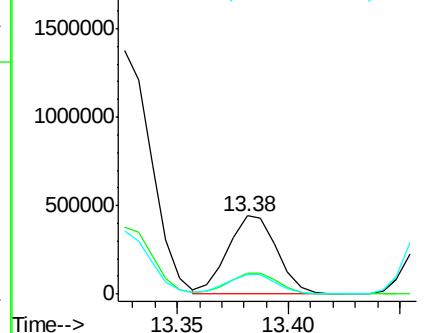
91 25.3 12.2 36.6

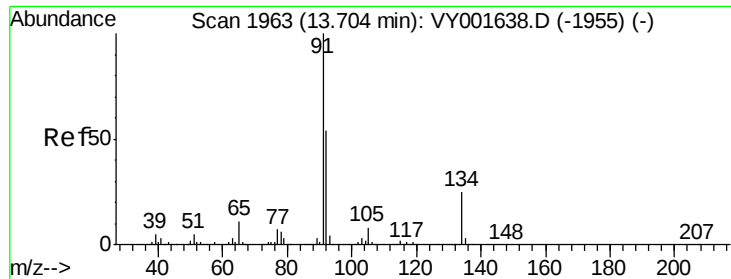


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





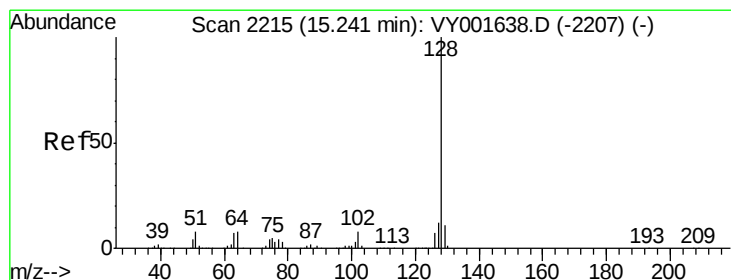
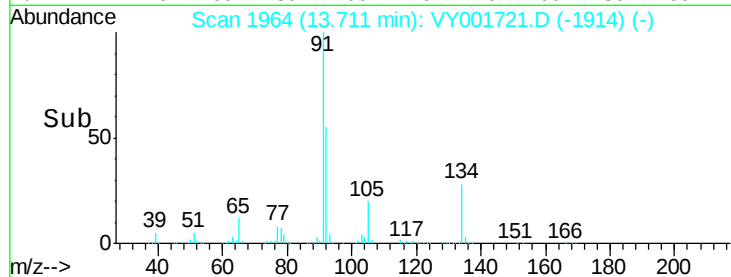
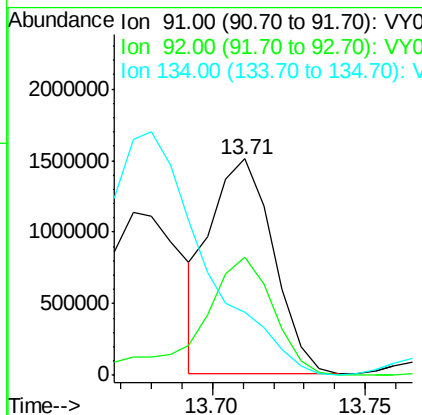
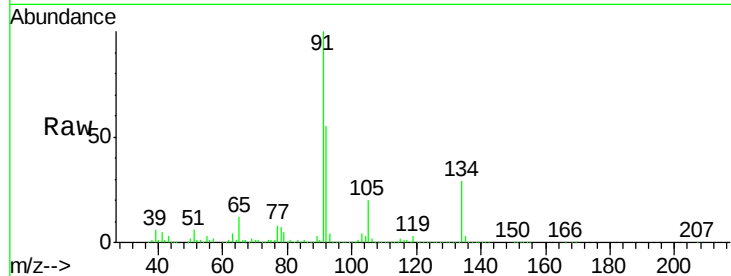
#89
n-Butylbenzene
Concen: 265.436 ug/l
RT: 13.71 min Scan# 1964
Delta R.T. 0.01 min
Lab File: VY001721.D
Acq: 20 Feb 2020 14:05

Instrument :
MSVOA_Y
ClientSampleId :
SW-2

Tot Ion: 91 Resp: 2119692
Ion Ratio Lower Upper
91 100
92 64.3 27.5 82.4
134 0.0 12.4 37.4#

Manual Integrations
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#95
Naphthalene
Concen: 1443.569 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. 0.01 min
Lab File: VY001721.D
Acq: 20 Feb 2020 14:05

Tgt Ion: 128 Resp: 7560989
Ion Ratio Lower Upper
128 100
127 13.2 9.9 14.9
129 11.3 8.6 13.0

