

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112019\
 Data File : VY000753.D
 Acq On : 20 Nov 2019 15:48
 Operator : SY/MD
 Sample : K5957-10
 Misc : 4.95G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MW-4-(16-18)

Manual Integrations
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 11/22/2019 12:53:14 AM

Quant Time: Nov 21 08:03:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	162532	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	280024	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	193596	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.41	152	115303	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	92918	55.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.48%	
35) Dibromofluoromethane	7.74	113	83713	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	
50) Toluene-d8	10.20	98	1575919	252.64	ug/l	0.02
Spiked Amount	50.000		Recovery	=	505.28%	
62) 4-Bromofluorobenzene	12.46	95	5829554	2454.86	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	4909.72%	
Target Compounds						
					Qvalue	
16) Acetone	3.96	43	13805	29.779	ug/l #	77
31) Cyclohexane	7.80	56	513275	157.649	ug/l	88
39) Methylcyclohexane	9.21	83	5464262	1597.738	ug/l	95
44) Trichloroethene	8.96	130	16264m	7.948	ug/l	
64) Tetrachloroethene	10.74	164	240636	150.322	ug/l	95
67) Ethyl Benzene	11.60	91	36931299m	5112.359	ug/l	
68) m/p-Xylenes	11.73	106	20290926	7257.252	ug/l #	1
73) Isopropylbenzene	12.36	105	18254259	2142.069	ug/l	94
78) n-propylbenzene	12.68	91	22270252	2165.900	ug/l #	65
80) 1,3,5-Trimethylbenzene	12.82	105	17825088	2511.508	ug/l	77
83) tert-Butylbenzene	13.08	119	963590	159.009	ug/l	88
84) 1,2,4-Trimethylbenzene	13.11	105	24709965m	3496.750	ug/l	
85) sec-Butylbenzene	13.26	105	6782730	785.606	ug/l #	68
86) p-Isopropyltoluene	13.38	119	4004582	520.423	ug/l	99
89) n-Butylbenzene	13.69	91	2094880m	276.026	ug/l	
95) Naphthalene	15.23	128	63013	12.139	ug/l	97

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

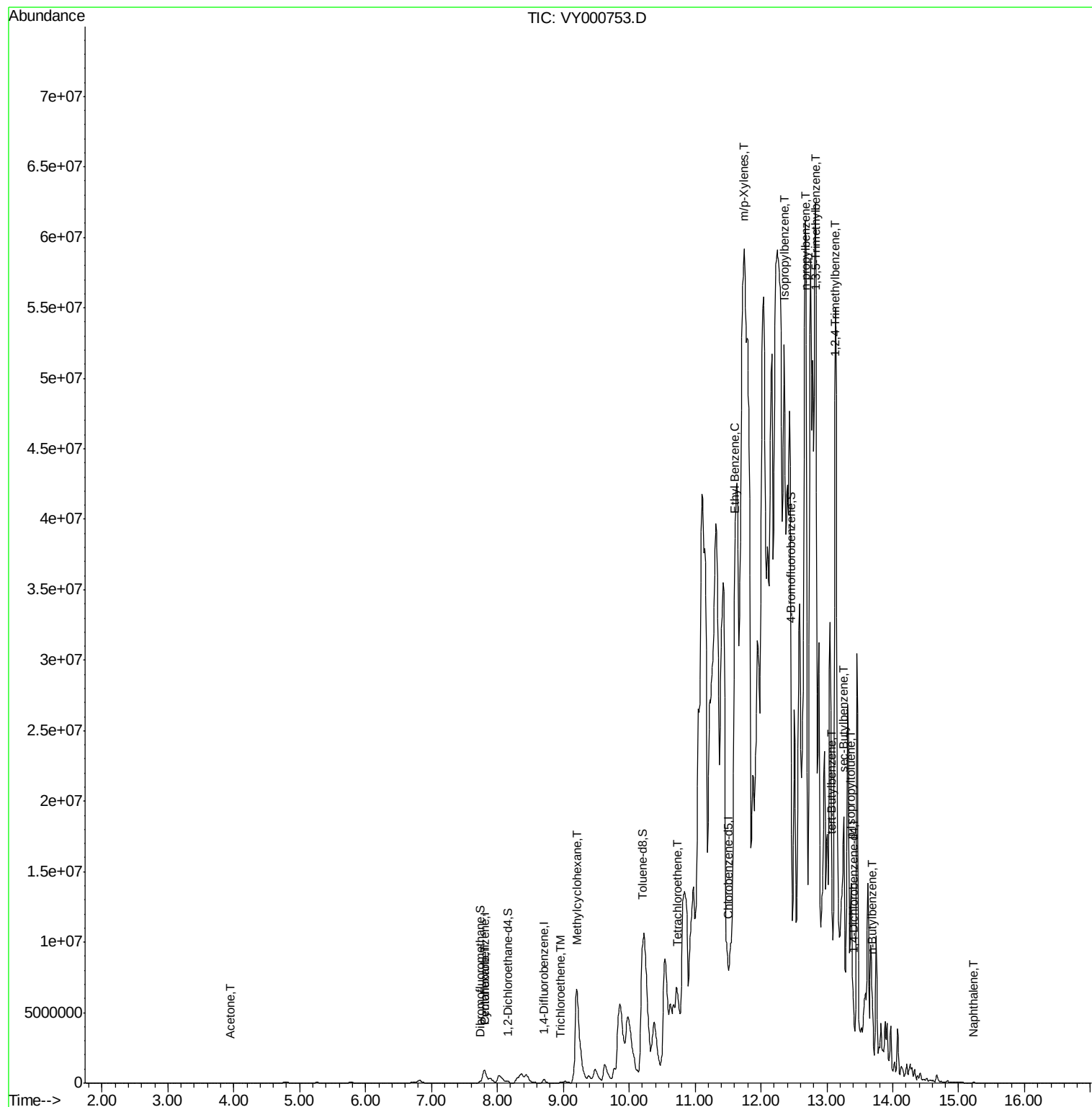
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY112019\
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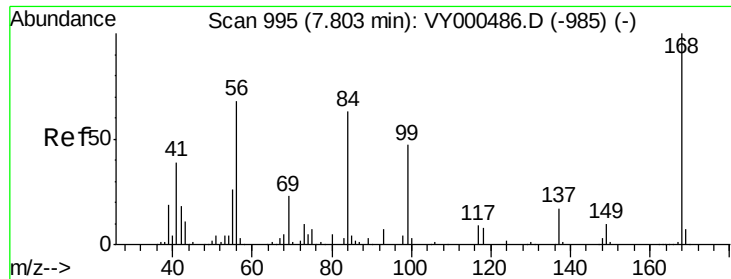
Instrument :
MSVOA_Y
ClientSampleId :
MW-4-(16-18)

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Quant Time: Nov 21 08:03:15 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 13:30:53 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.01 min

Lab File: VY000753.D

Acq: 20 Nov 2019 15:48

Instrument :

MSVOA_Y

ClientSampleId :

MW-4-(16-18)

Tot Ion:168 Resp: 162532

Ion Ratio Lower Upper

168 100

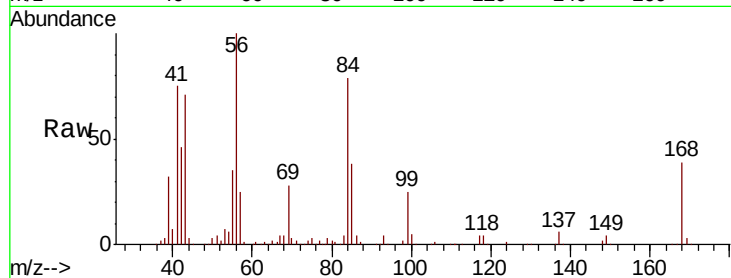
99 63.9 45.7 68.5

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Abundance Ion 167.90 (167.60 to 168.60): VY000486.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY000486.D (-985) (-)

7.81

60000

50000

40000

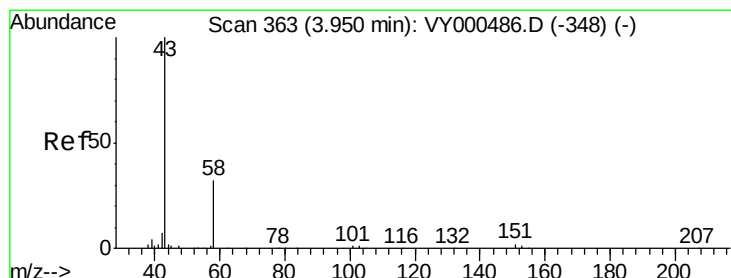
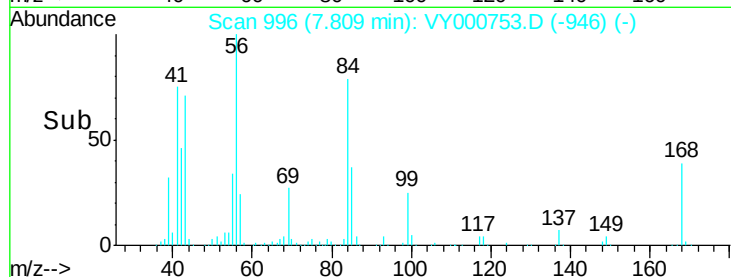
30000

20000

10000

0

Time-->



#16

Acetone

Concen: 29.779 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY000753.D

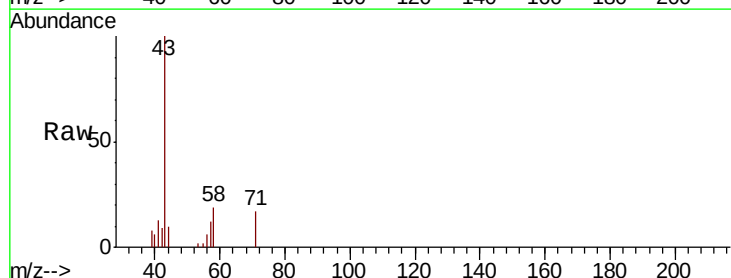
Acq: 20 Nov 2019 15:48

Tgt Ion: 43 Resp: 13805

Ion Ratio Lower Upper

43 100

58 19.3 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VY000486.D (-348) (-)

Ion 58.00 (57.70 to 58.70): VY000486.D (-348) (-)

3.96

4000

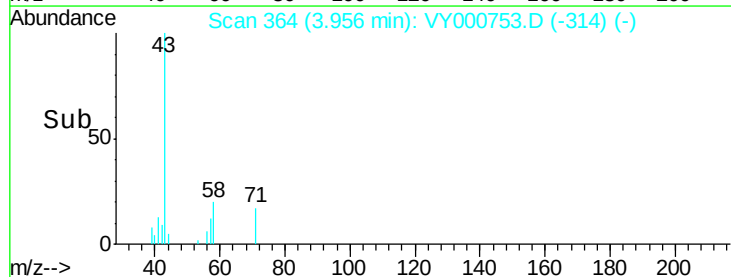
3000

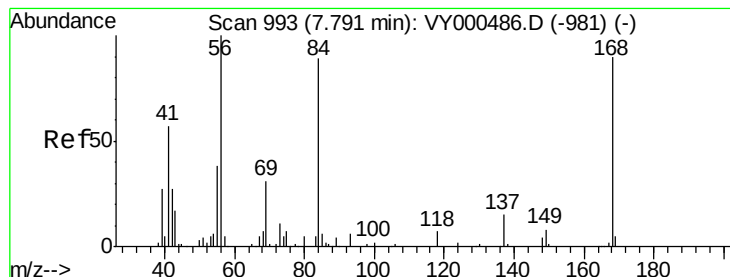
2000

1000

0

Time-->





#31

Cyclohexane

Concen: 157.649 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY000753.D

Acq: 20 Nov 2019 15:48

Instrument :

MSVOA_Y

ClientSampleId :

MW-4(16-18)

Tot Ion: 56 Resp: 513275

Ion Ratio Lower Upper

56 100

69 25.8 25.0 37.6

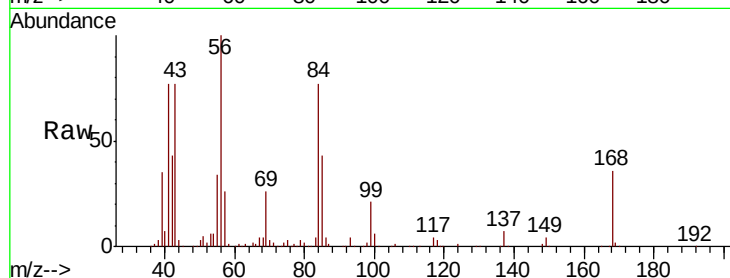
84 77.3 71.4 107.2

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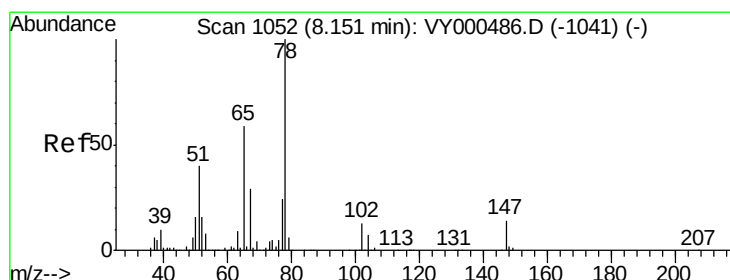
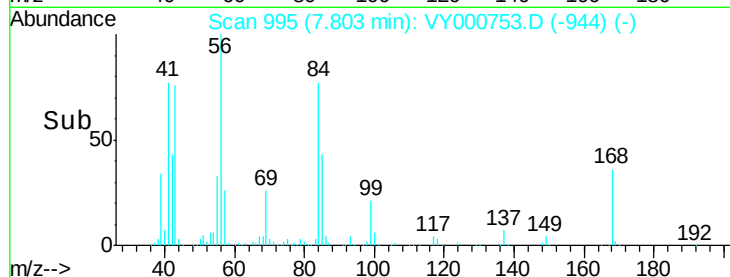
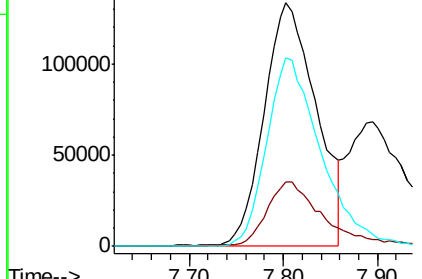
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Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



#33

1,2-Dichloroethane-d4

Concen: 55.243 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VY000753.D

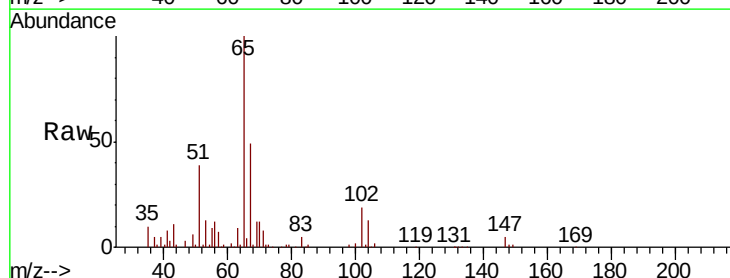
Acq: 20 Nov 2019 15:48

Tgt Ion: 65 Resp: 92918

Ion Ratio Lower Upper

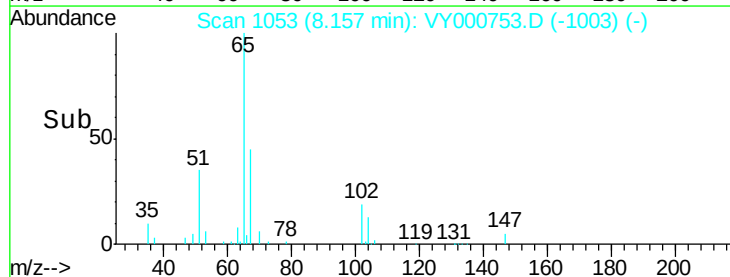
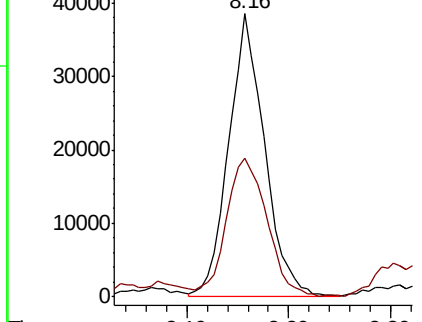
65 100

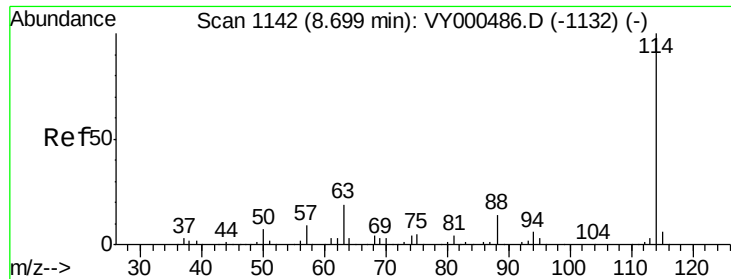
67 54.9 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0





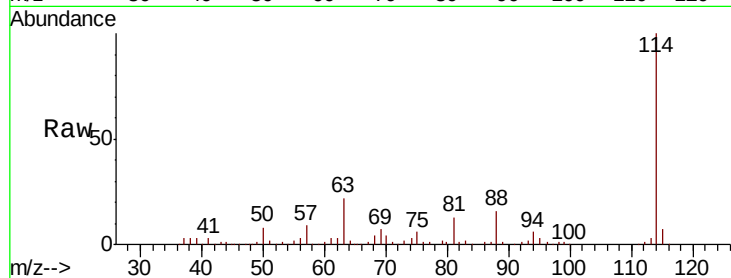
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. 0.01 min
 Lab File: VY000753.D
 Acq: 20 Nov 2019 15:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 MW-4-(16-18)

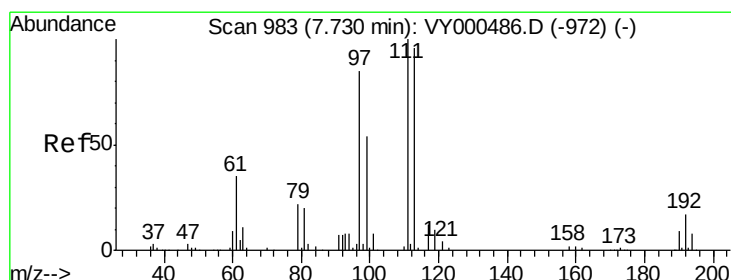
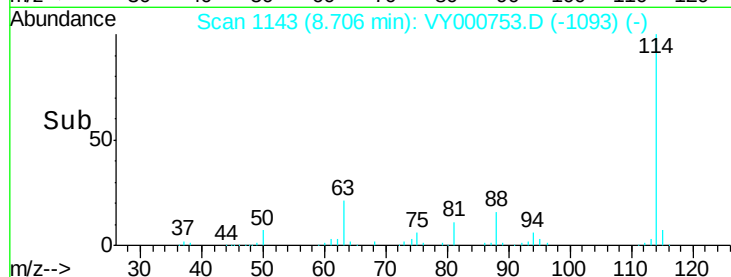
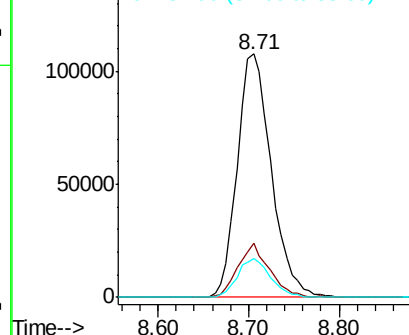
Tot Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	38.0
88	15.7	0.0	28.6

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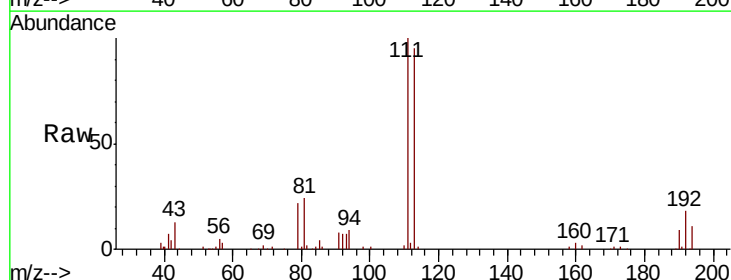


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

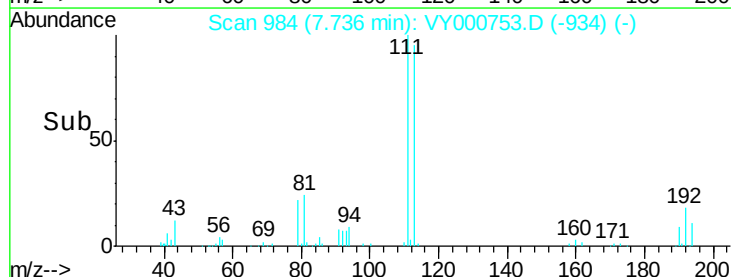
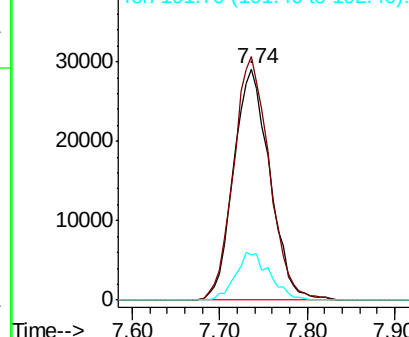


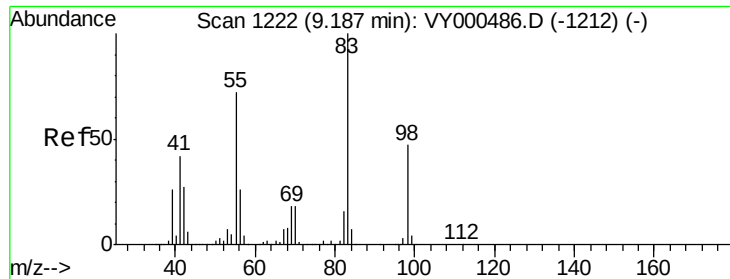
#35
 Dibromofluoromethane
 Concen: 50.923 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. 0.01 min
 Lab File: VY000753.D
 Acq: 20 Nov 2019 15:48

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.3	81.7	122.5
192	19.5	15.0	22.4



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





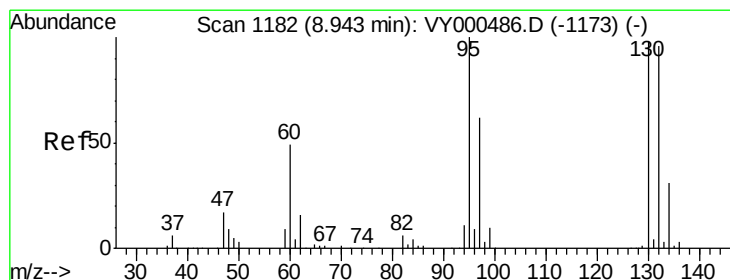
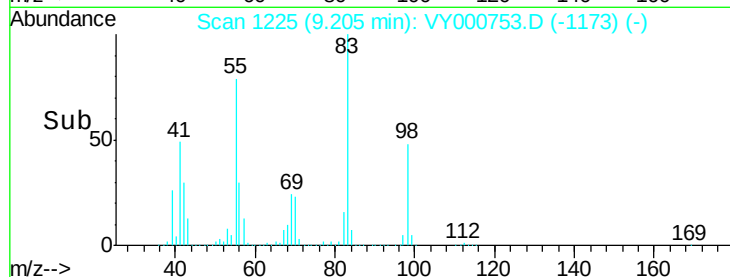
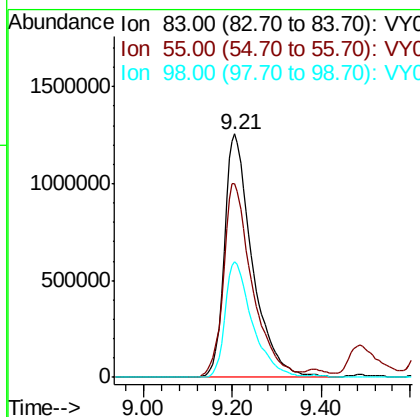
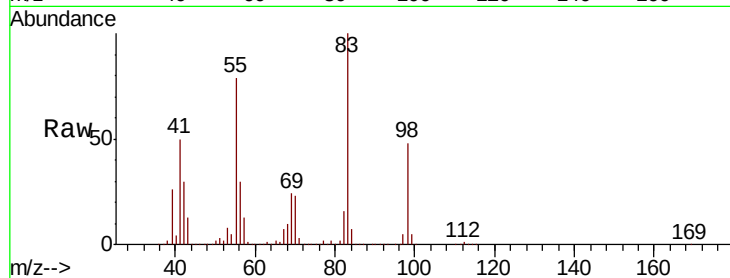
#39
Methylvlcyclohexane
Concen: 1597.738 ug/l
RT: 9.21 min Scan# 1225
Delta R.T. 0.02 min
Lab File: VY000753.D
Acq: 20 Nov 2019 15:48

Instrument :
MSVOA_Y
ClientSampleId :
MW-4-(16-18)

Tot Ion: 83 Resp: 5464262
Ion Ratio Lower Upper
83 100
55 79.3 57.5 86.3
98 47.6 38.0 57.0

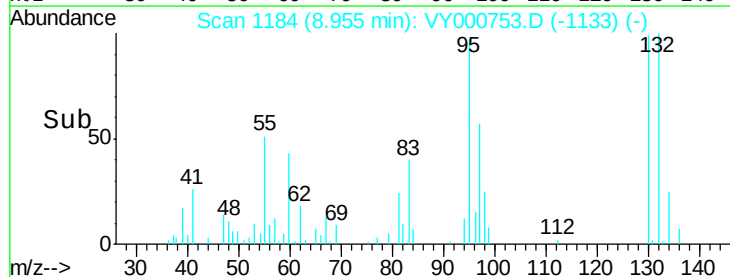
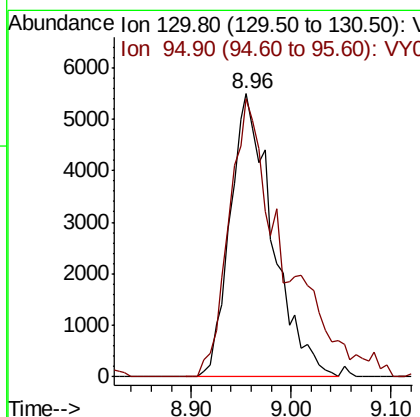
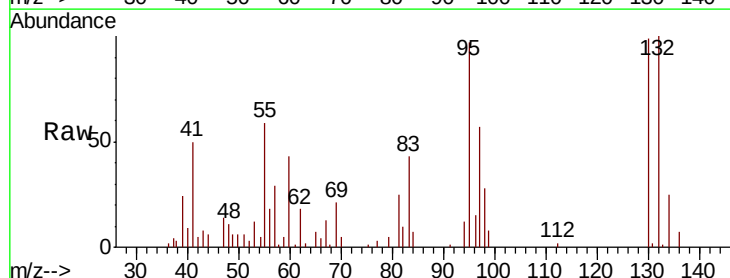
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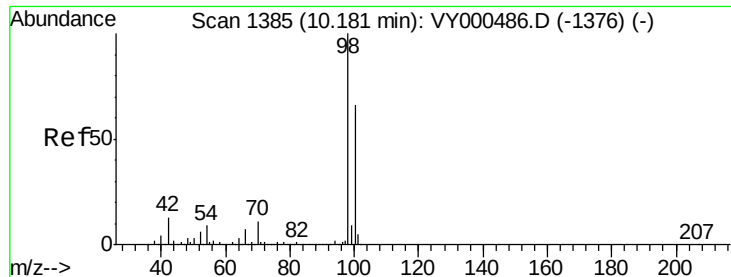
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#44
Trichloroethene
Concen: 7.948 ug/l m
RT: 8.96 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VY000753.D
Acq: 20 Nov 2019 15:48

Tgt Ion:130 Resp: 16264
Ion Ratio Lower Upper
130 100
95 98.3 0.0 203.2





#50

Toluene-d8

Concen: 252.640 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.02 min

Lab File: VY000753.D

Acq: 20 Nov 2019 15:48

Instrument :

MSVOA_Y

ClientSampleId :

MW-4-(16-18)

Tot Ion: 98 Resp: 1575919

Ion Ratio Lower Upper

98 100

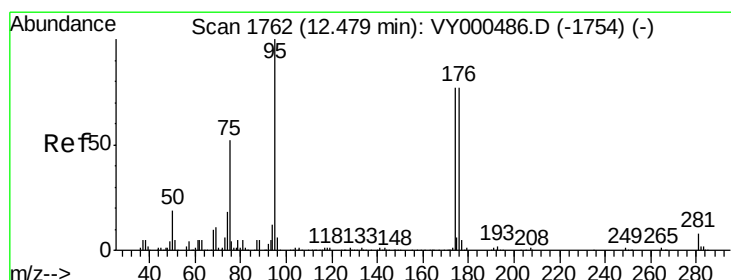
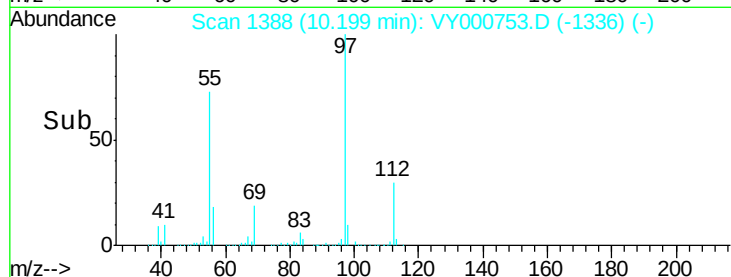
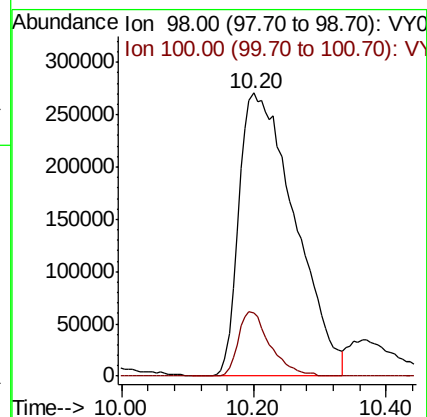
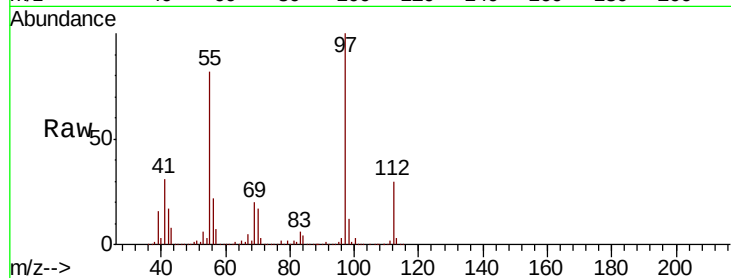
100 13.1 52.9 79.3#

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#62

4-Bromofluorobenzene

Concen: 2454.860 ug/l

RT: 12.46 min Scan# 1759

Delta R.T. -0.02 min

Lab File: VY000753.D

Acq: 20 Nov 2019 15:48

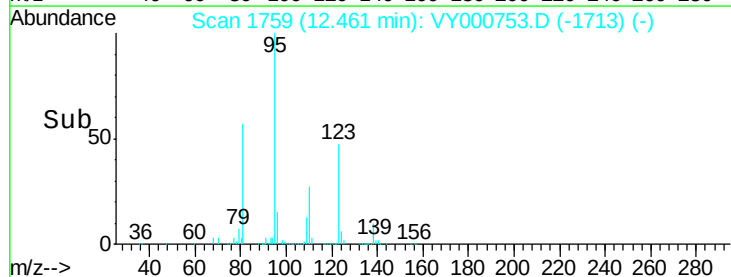
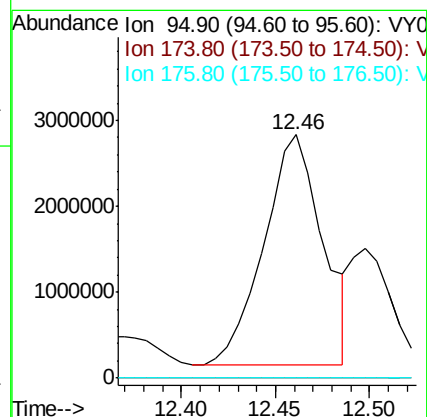
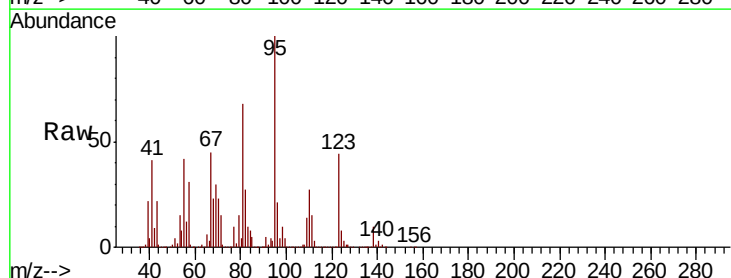
Tgt Ion: 95 Resp: 5829554

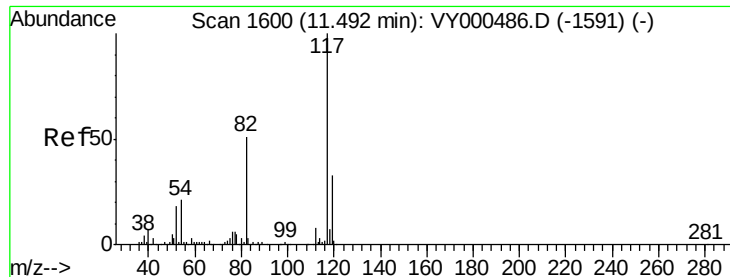
Ion Ratio Lower Upper

95 100

174 0.0 0.0 161.6

176 0.0 0.0 157.8





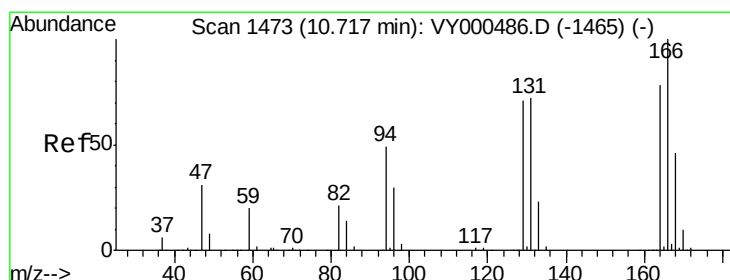
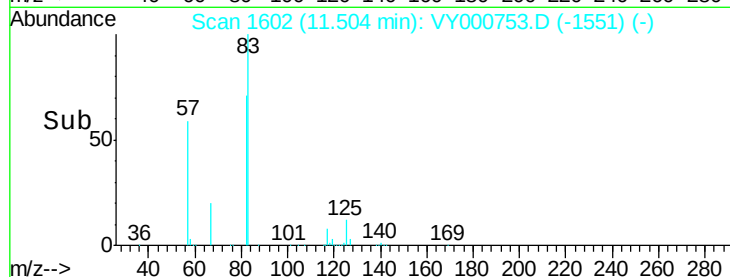
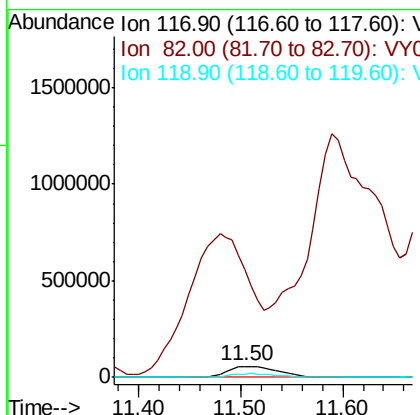
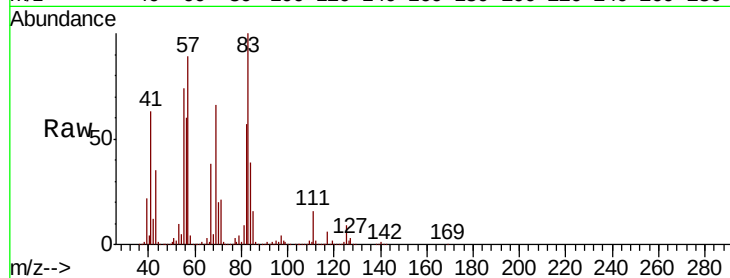
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY000753.D
Acq: 20 Nov 2019 15:48

Instrument :
MSVOA_Y
ClientSampleId :
MW-4-(16-18)

Tot Ion	Ratio	Lower	Upper
117	100		
82	229.2	40.8	61.2#
119	31.8	26.2	39.2

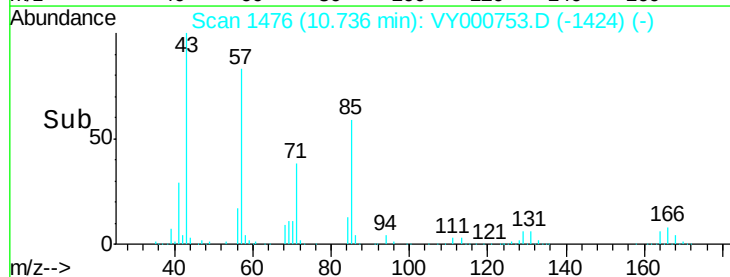
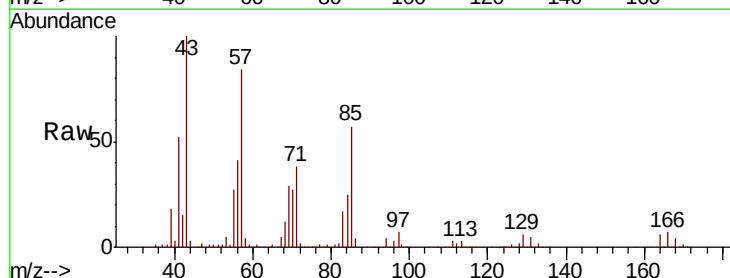
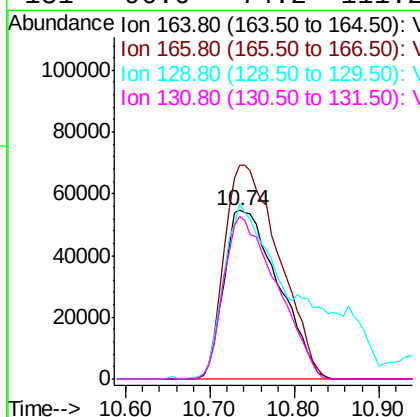
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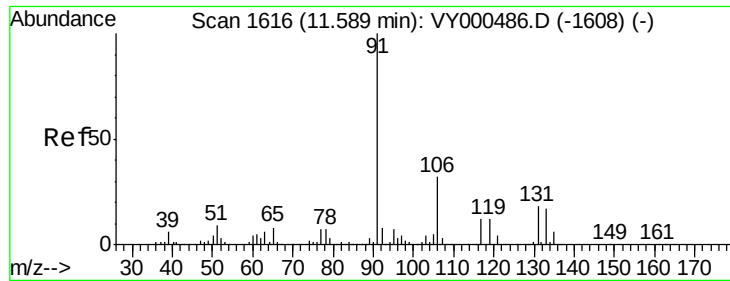
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#64
Tetrachloroethene
Concen: 150.322 ug/l
RT: 10.74 min Scan# 1476
Delta R.T. 0.02 min
Lab File: VY000753.D
Acq: 20 Nov 2019 15:48

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.3	102.7	154.1
129	103.1	73.2	109.8
131	96.0	74.2	111.2





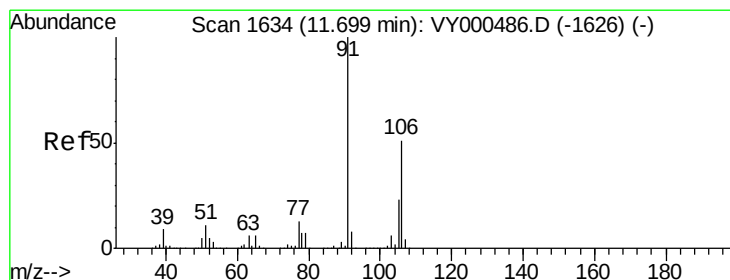
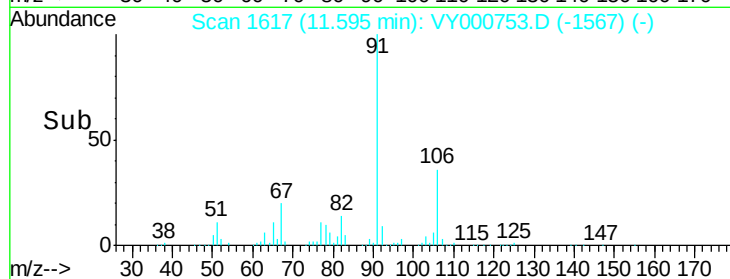
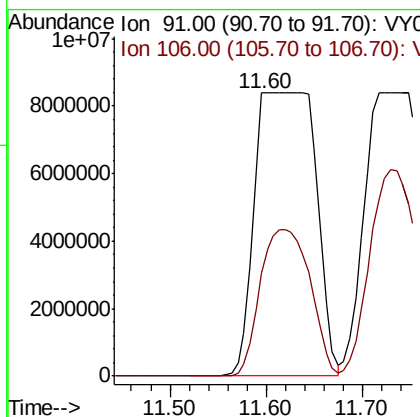
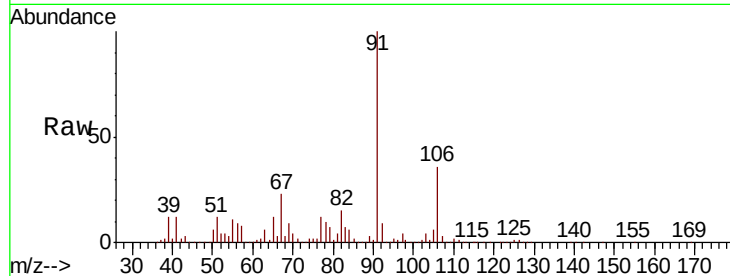
#67
Ethyl Benzene
Concen: 5112.359 ug/l m
RT: 11.60 min Scan# 1617
Delta R.T. 0.01 min
Lab File: VY000753.D
Acq: 20 Nov 2019 15:48

Instrument :
MSVOA_Y
ClientSampleId :
MW-4-(16-18)

Tot Ion: 91 Resp:36931299
Ion Ratio Lower Upper
91 100
106 36.3 25.4 38.0

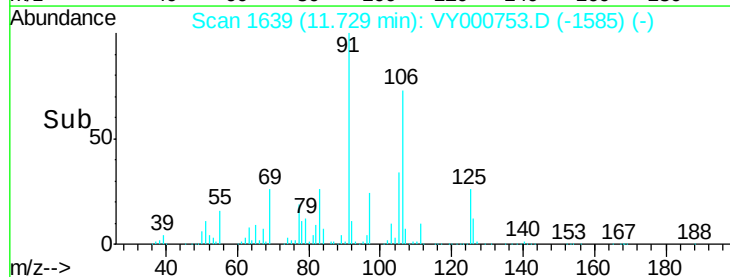
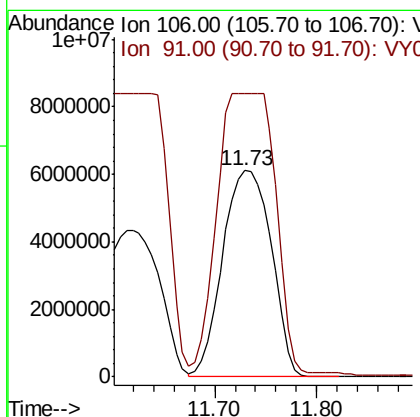
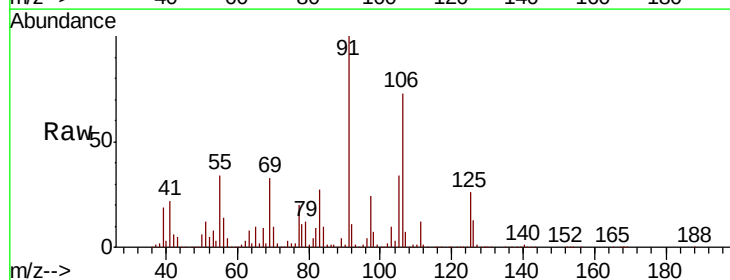
Manual Integrations
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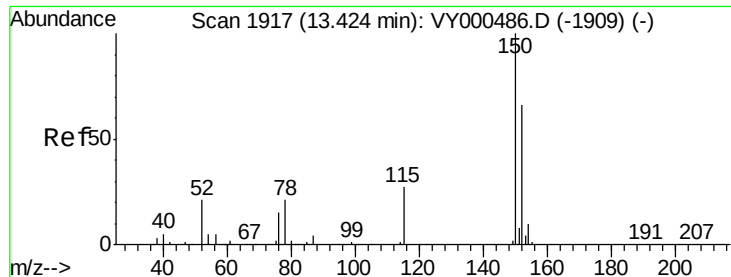
MMDadoda
11/22/2019 12:53:14 AM



#68
m/p-Xylenes
Concen: 7257.252 ug/l
RT: 11.73 min Scan# 1639
Delta R.T. 0.03 min
Lab File: VY000753.D
Acq: 20 Nov 2019 15:48

Tgt Ion:106 Resp:20290926
Ion Ratio Lower Upper
106 100
91 16.9 155.9 233.9#





#72

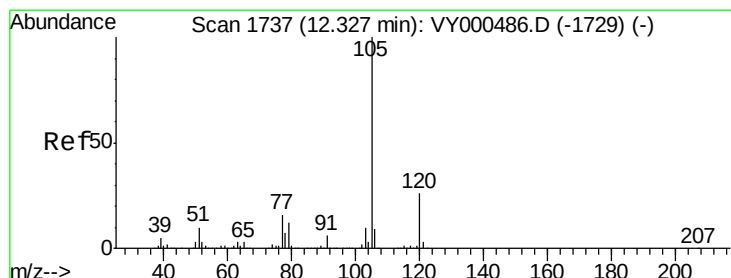
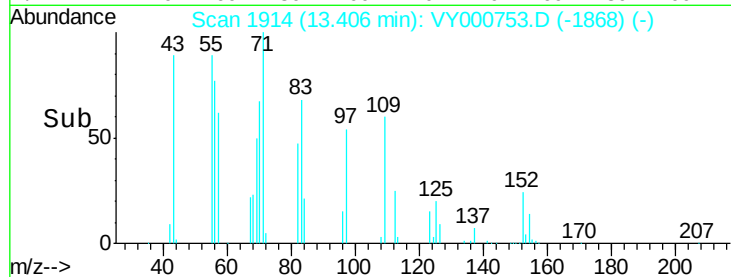
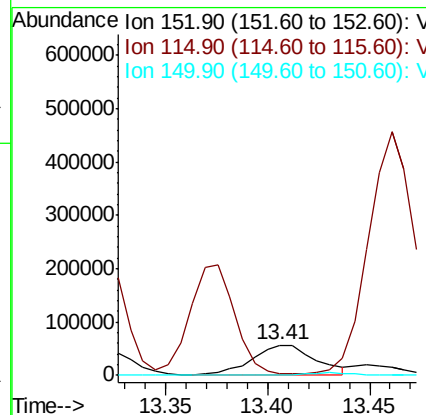
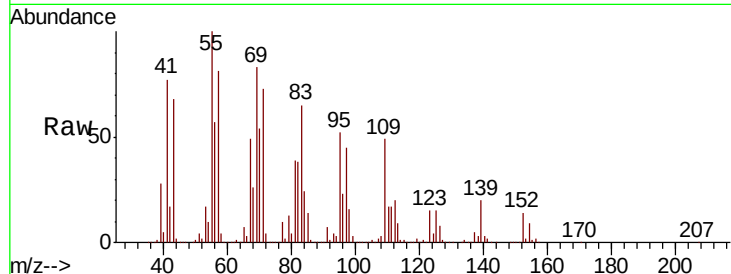
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.41 min Scan# 1914
Delta R.T. -0.02 min
Lab File: VY000753.D
Acq: 20 Nov 2019 15:48

Instrument :
MSVOA_Y
ClientSampled :
MW-4-(16-18)

Tot Ion	Ratio	Lower	Upper
152	100		
115	0.0	29.1	87.4#
150	0.0	0.0	348.8

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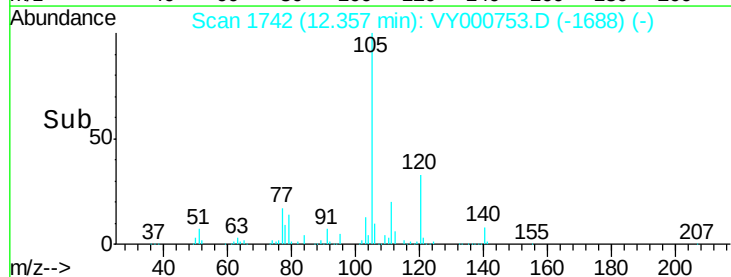
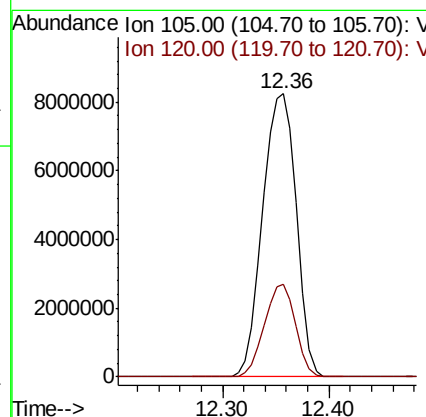
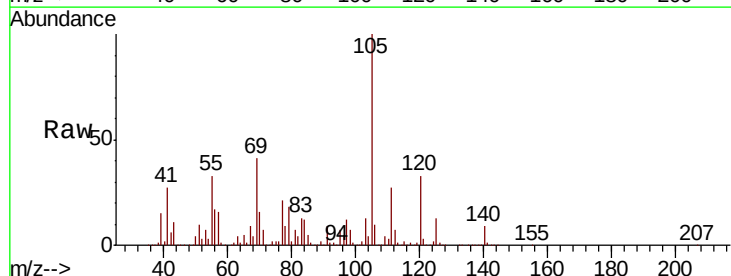
MMDadoda
11/22/2019 12:53:14 AM

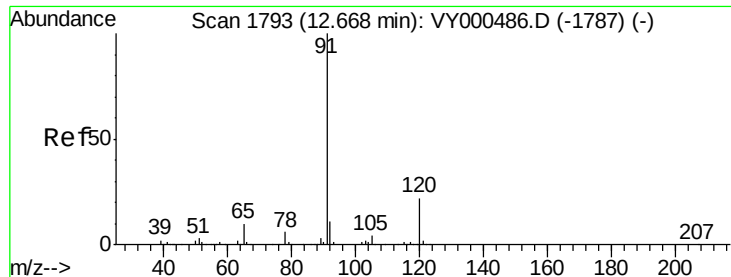


#73

Isopropylbenzene
Concen: 2142.069 ug/l
RT: 12.36 min Scan# 1742
Delta R.T. 0.03 min
Lab File: VY000753.D
Acq: 20 Nov 2019 15:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	30.1	13.5	40.4





#78

n-propylbenzene

Concen: 2165.900 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. 0.01 min

Lab File: VY000753.D

Acq: 20 Nov 2019 15:48

Instrument :

MSVOA_Y

ClientSampleId :

MW-4-(16-18)

Tot Ion: 91 Resp:22270252

Ion Ratio Lower Upper

91 100

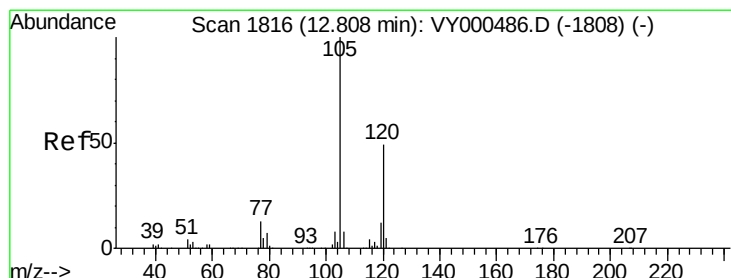
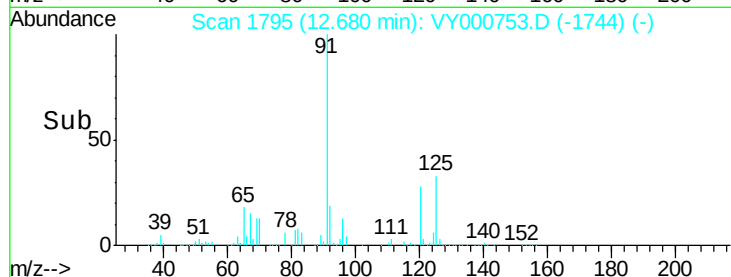
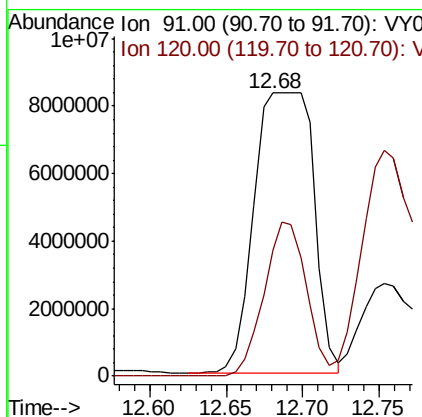
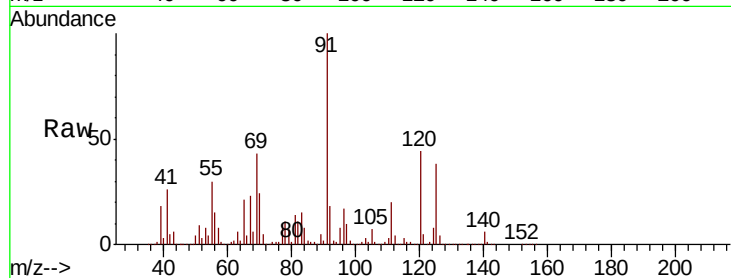
120 39.4 11.4 34.1#

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#80

1,3,5-Trimethylbenzene

Concen: 2511.508 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. 0.01 min

Lab File: VY000753.D

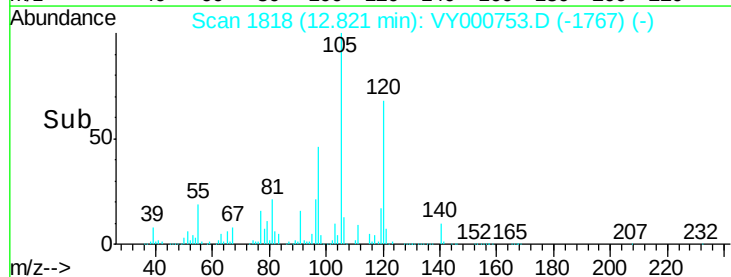
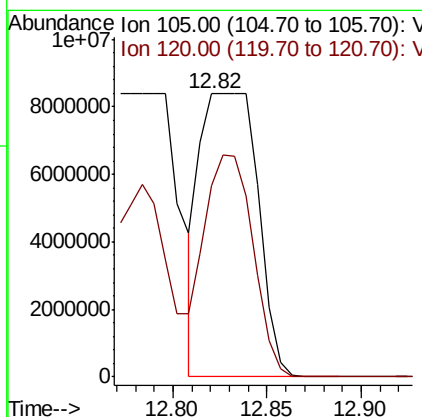
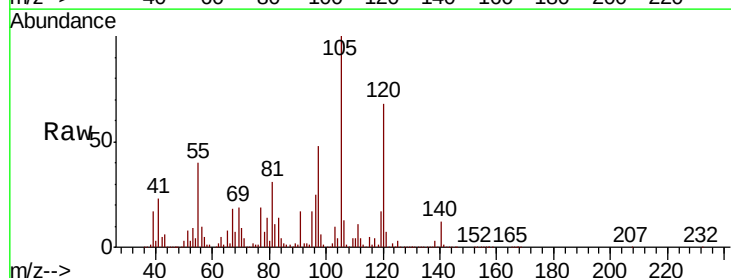
Acq: 20 Nov 2019 15:48

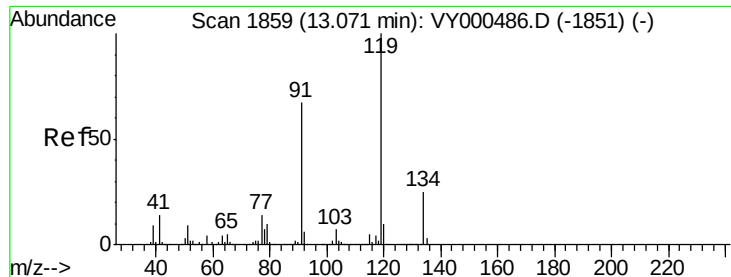
Tgt Ion:105 Resp:17825088

Ion Ratio Lower Upper

105 100

120 65.8 24.9 74.8





#83

tert-Butylbenzene

Concen: 159.009 ug/l

RT: 13.08 min Scan# 1861

Delta R.T. 0.01 min

Lab File: VY000753.D

Acq: 20 Nov 2019 15:48

Instrument :

MSVOA_Y

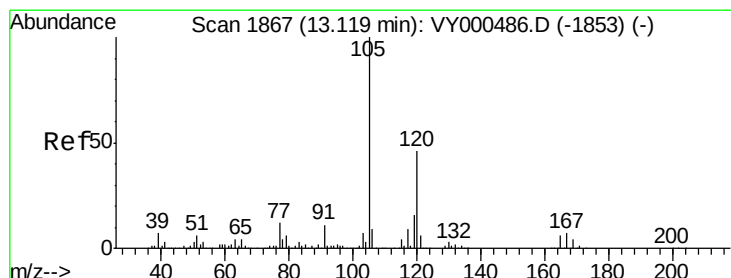
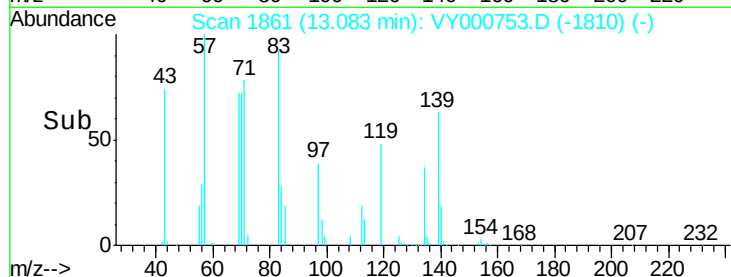
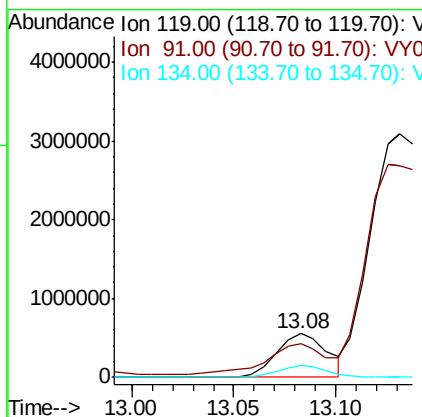
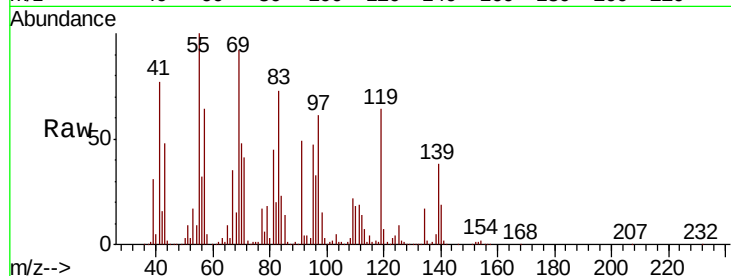
ClientSampleId :

MW-4-(16-18)

Tot Ion:	119	Resp:	963590
Ion Ratio	Lower	Upper	
119	100		
91	76.8	32.1	96.3
134	25.0	13.2	39.5

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 3496.750 ug/l m

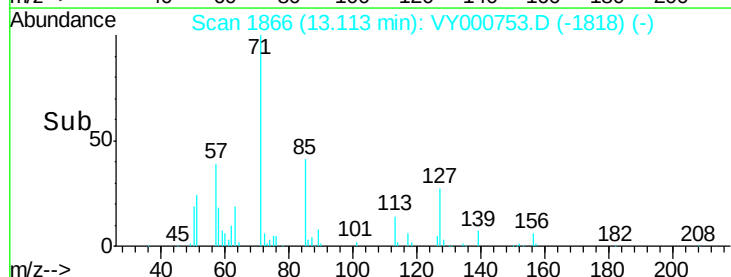
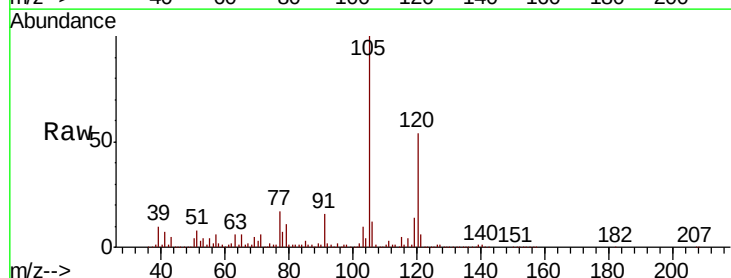
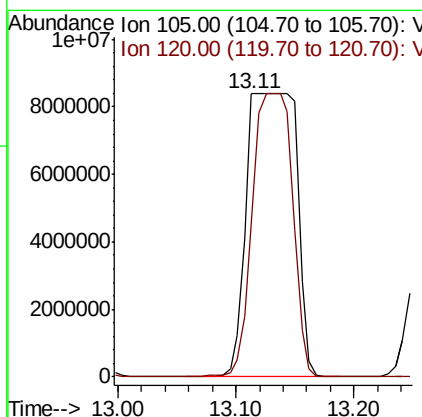
RT: 13.11 min Scan# 1866

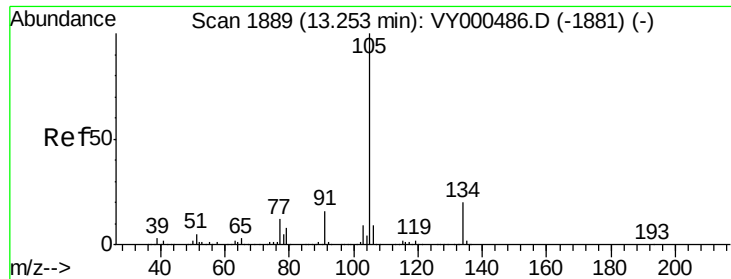
Delta R.T. -0.01 min

Lab File: VY000753.D

Acq: 20 Nov 2019 15:48

Tgt Ion:	105	Resp:	24709965
Ion Ratio	Lower	Upper	
105	100		
120	0.0	23.3	69.9#





#85

sec-Butylbenzene

Concen: 785.606 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VY000753.D

Acq: 20 Nov 2019 15:48

Instrument :

MSVOA_Y

ClientSampleId :

MW-4-(16-18)

Tot Ion:105 Resp: 6782730

Ion Ratio Lower Upper

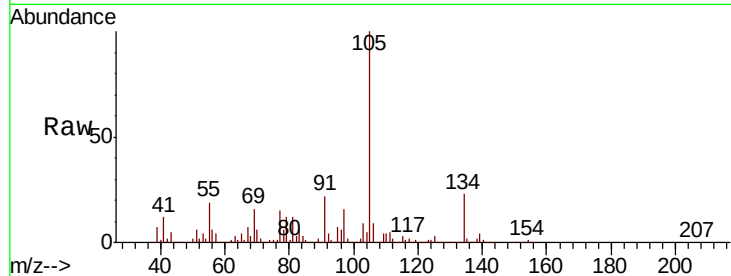
105 100

134 34.9 10.1 30.1#

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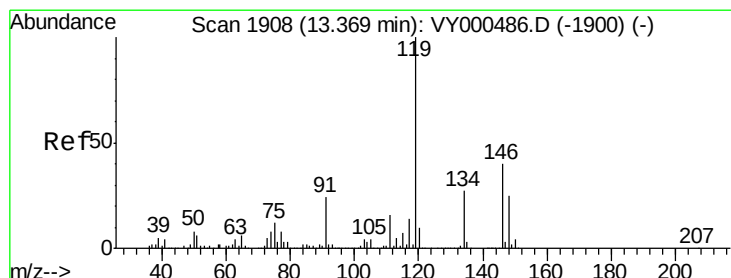
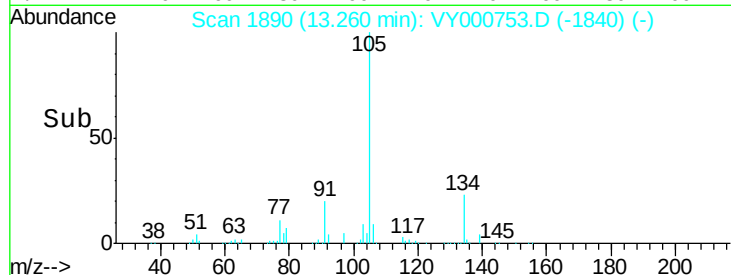
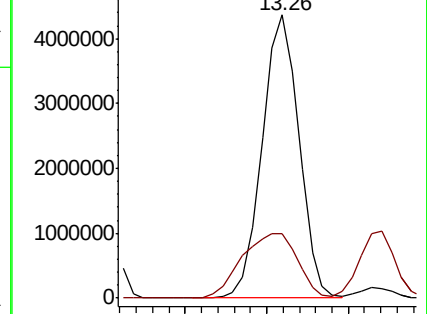
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 520.423 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. 0.01 min

Lab File: VY000753.D

Acq: 20 Nov 2019 15:48

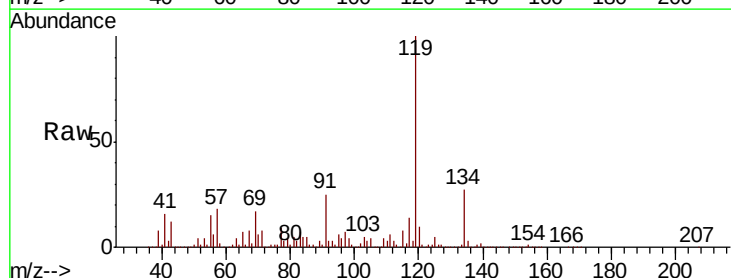
Tgt Ion:119 Resp: 4004582

Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.8

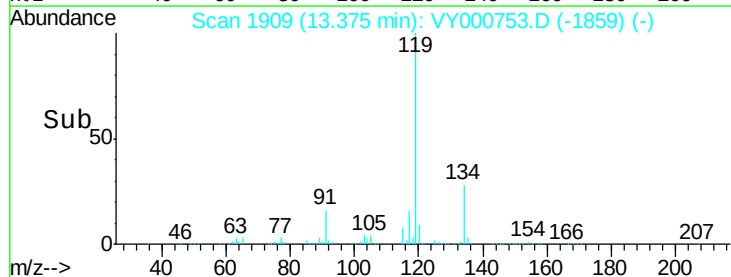
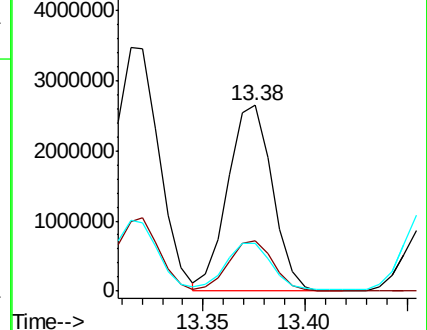
91 25.6 12.0 36.1

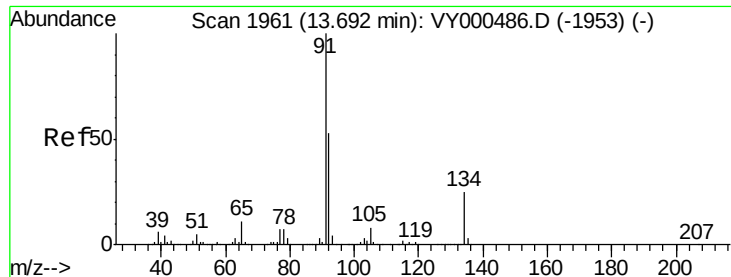


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





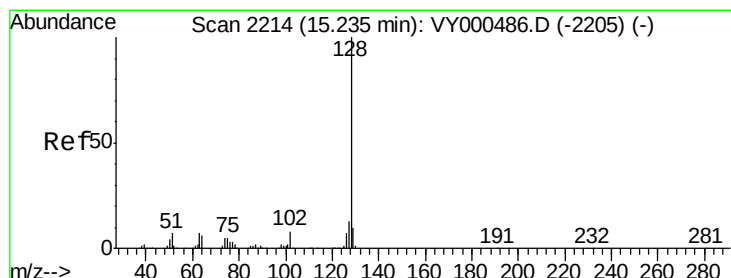
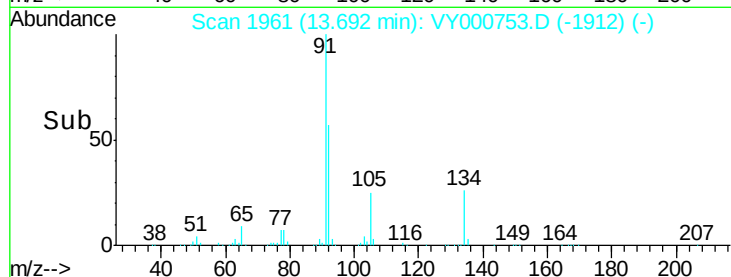
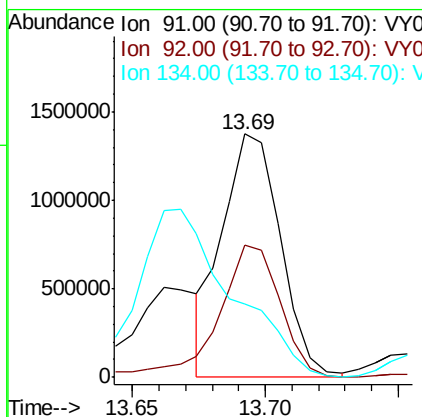
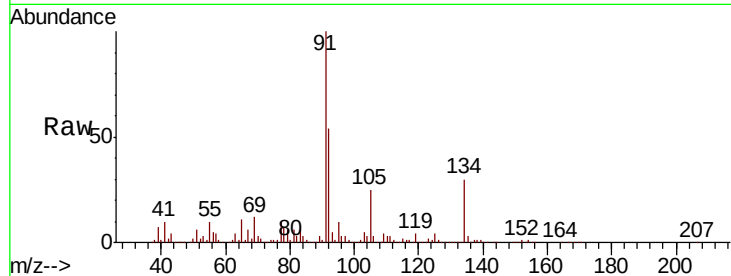
#89
n-Butylbenzene
Concen: 276.026 ug/l m
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY000753.D
Acq: 20 Nov 2019 15:48

Instrument :
MSVOA_Y
ClientSampleId :
MW-4-(16-18)

Tot Ion: 91 Resp: 2094880
Ion Ratio Lower Upper
91 100
92 56.1 26.8 80.3
134 0.0 12.9 38.7#

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11/22/2019 12:53:14 AM



#95
Naphthalene
Concen: 12.139 ug/l
RT: 15.23 min Scan# 2213
Delta R.T. -0.01 min
Lab File: VY000753.D
Acq: 20 Nov 2019 15:48

Tgt Ion: 128 Resp: 63013
Ion Ratio Lower Upper
128 100
127 13.4 9.8 14.6
129 11.6 8.7 13.1

