

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112019\
 Data File : VY000755.D
 Acq On : 20 Nov 2019 16:32
 Operator : SY/MD
 Sample : K5957-12
 Misc : 5.44G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MW-5-(16-18)

Manual Integrations
 APPROVED

MMDadoda
 11/22/2019 12:53:15 AM

Quant Time: Nov 21 08:12:14 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	7.80	168	6577	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	11767	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	11026	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.40	152	98481	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	4380	64.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	128.70%	
35) Dibromofluoromethane	7.72	113	2442	35.35	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	70.70%	
50) Toluene-d8	10.17	98	39916	152.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	304.56%	
62) 4-Bromofluorobenzene	12.47	95	535934	5370.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10741.44%	
Target Compounds						
					Qvalue	
16) Acetone	3.94	43	1468m	78.256	ug/l	
31) Cyclohexane	7.79	56	11869	90.088	ug/l #	77
39) Methylcyclohexane	9.19	83	119652	832.575	ug/l	96
64) Tetrachloroethene	10.72	164	4446	48.765	ug/l	88
67) Ethyl Benzene	11.59	91	2442084	5935.615	ug/l	99
68) m/p-Xylenes	11.70	106	76323	479.296	ug/l #	60
69) o-Xylene	12.03	106	280731	1875.819	ug/l	83
73) Isopropylbenzene	12.33	105	2146682	294.934	ug/l	100
78) n-propylbenzene	12.67	91	6264961	713.378	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	8978602	1481.153	ug/l	97
83) tert-Butylbenzene	13.08	119	408154	78.857	ug/l	90
84) 1,2,4-Trimethylbenzene	13.11	105	17977341	2978.558	ug/l	82
85) sec-Butylbenzene	13.25	105	2777389	376.639	ug/l #	70
86) p-Isopropyltoluene	13.37	119	2491174	379.046	ug/l	98
89) n-Butylbenzene	13.69	91	1831013	282.468	ug/l #	79
95) Naphthalene	15.23	128	406716	91.732	ug/l	99

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

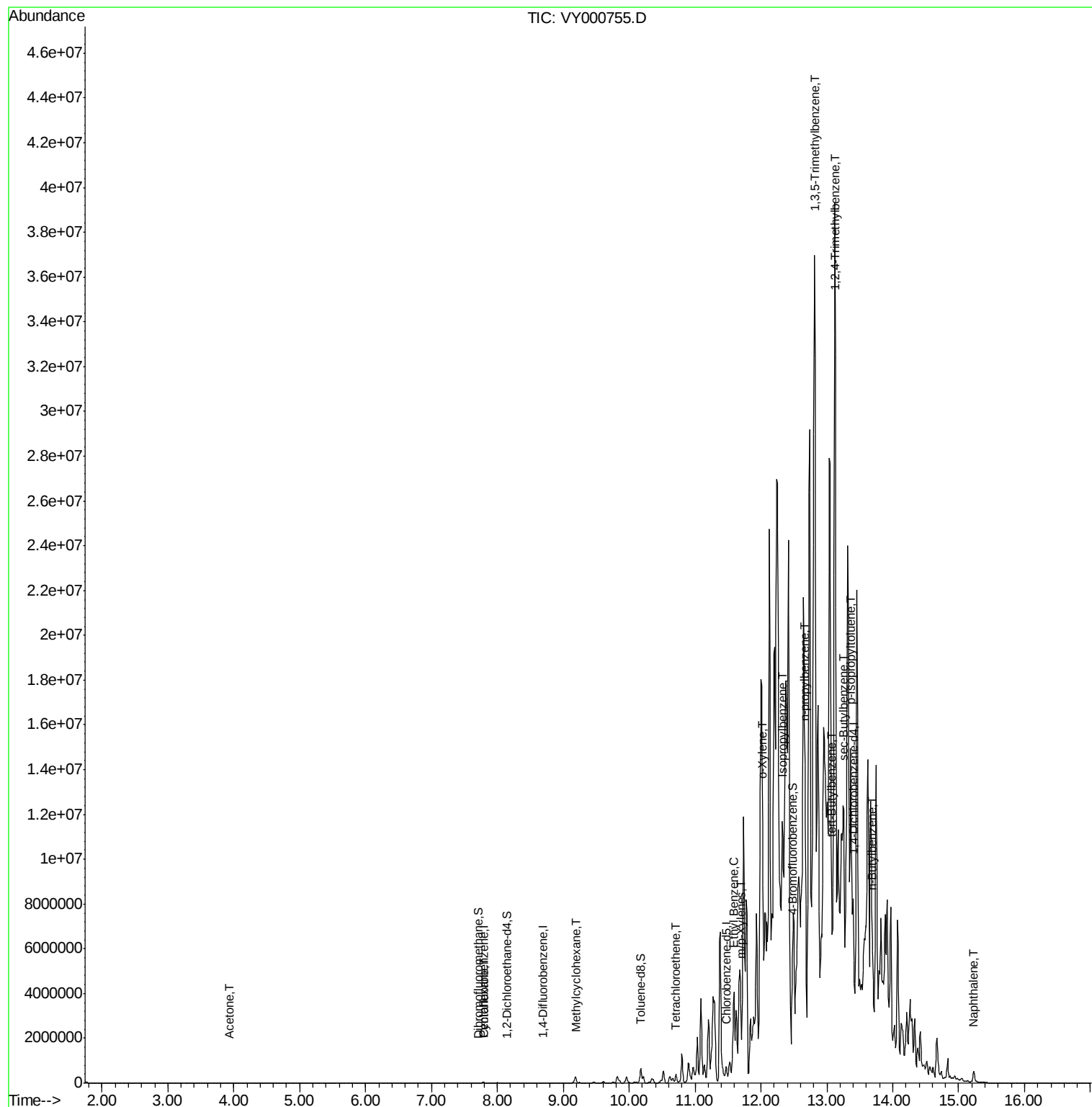
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY112019\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 13:30:53 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.00 min

Lab File: VY000755.D

Acq: 20 Nov 2019 16:32

Instrument :

MSVOA_Y

ClientSampleId :

MW-5-(16-18)

Tot Ion:168 Resp: 6577

Ion Ratio Lower Upper

168 100

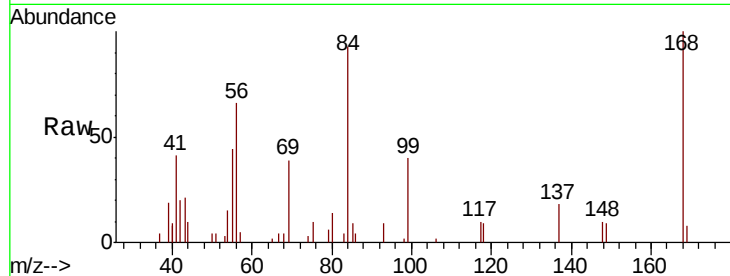
99 40.0 45.7 68.5#

Manual Integrations

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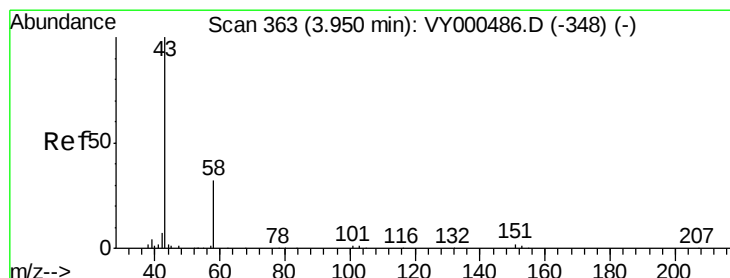
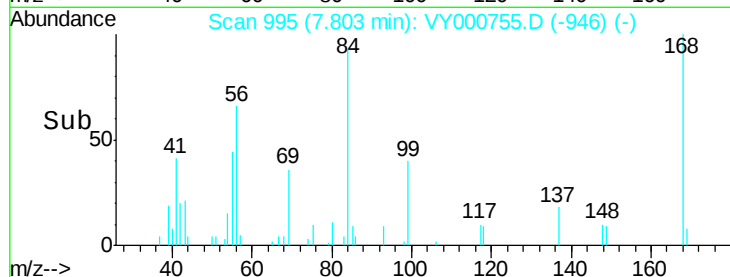
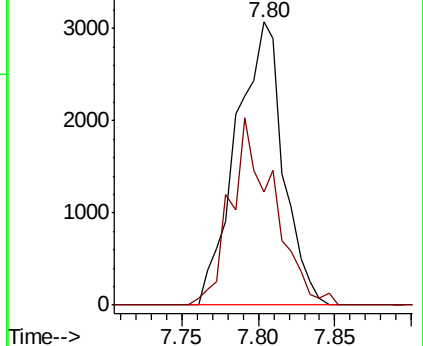
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Abundance Ion 167.90 (167.60 to 168.60): VY000486.D (-985) (-)

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



#16

Acetone

Concen: 78.256 ug/l m

RT: 3.94 min Scan# 361

Delta R.T. -0.01 min

Lab File: VY000755.D

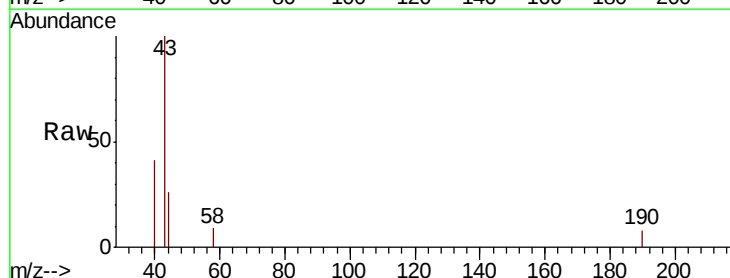
Acq: 20 Nov 2019 16:32

Tgt Ion: 43 Resp: 1468

Ion Ratio Lower Upper

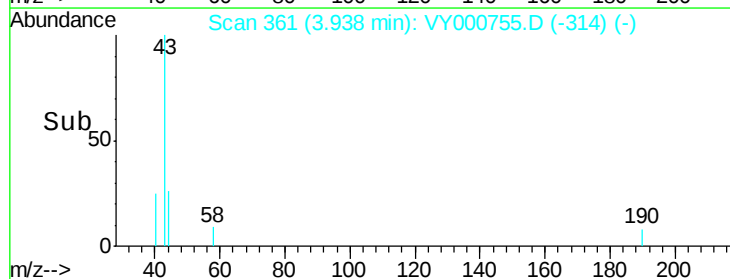
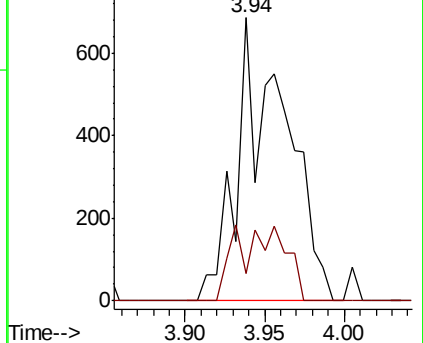
43 100

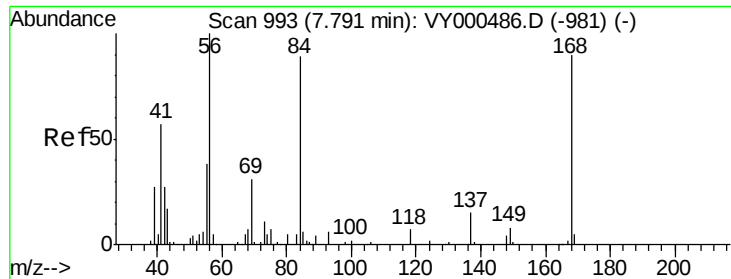
58 9.5 25.8 38.6#



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

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





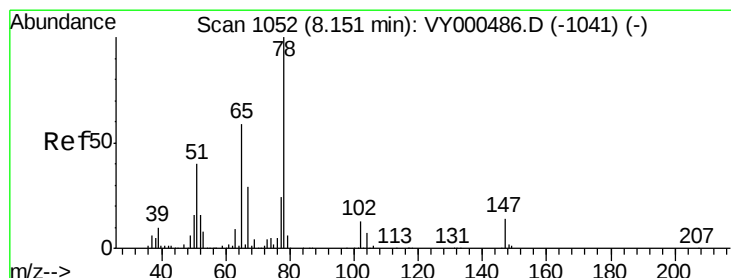
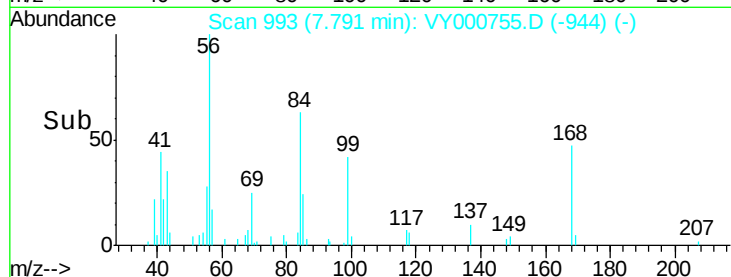
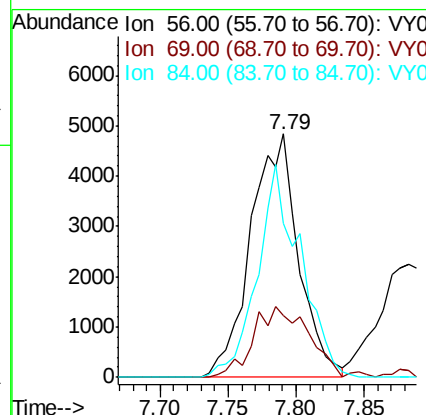
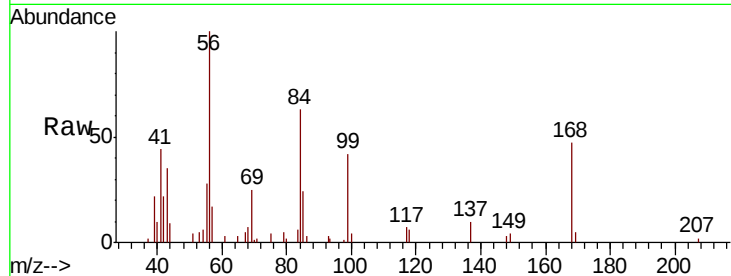
#31
Cyclohexane
Concen: 90.088 ug/l
RT: 7.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: VY000755.D
Acq: 20 Nov 2019 16:32

Instrument :
MSVOA_Y
ClientSampleId :
MW-5-(16-18)

Tot Ion	Ratio	Lower	Upper
56	100		
69	25.2	25.0	37.6
84	63.2	71.4	107.2

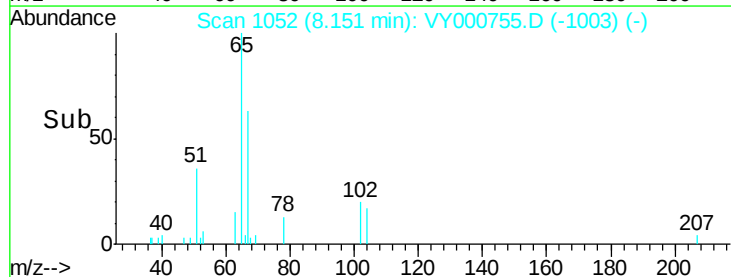
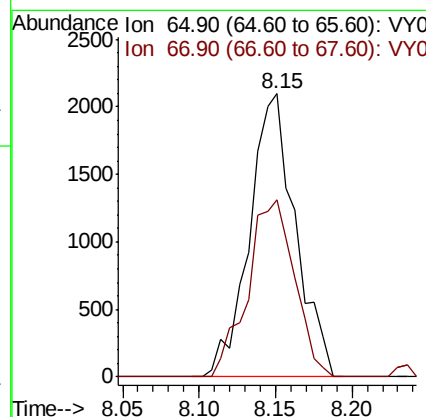
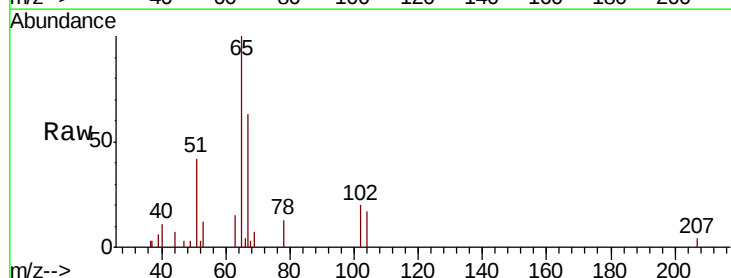
Manual Integrations
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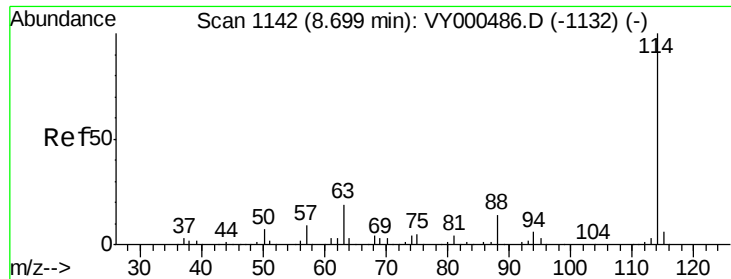
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#33
1,2-Dichloroethane-d4
Concen: 64.352 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VY000755.D
Acq: 20 Nov 2019 16:32

Tgt Ion	Ratio	Lower	Upper
65	100		
67	63.6	0.0	107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VY000755.D

Acq: 20 Nov 2019 16:32

Instrument :

MSVOA_Y

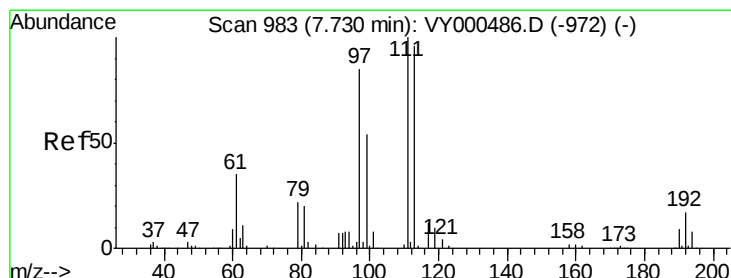
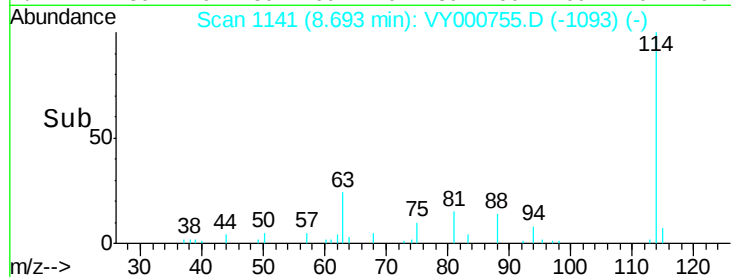
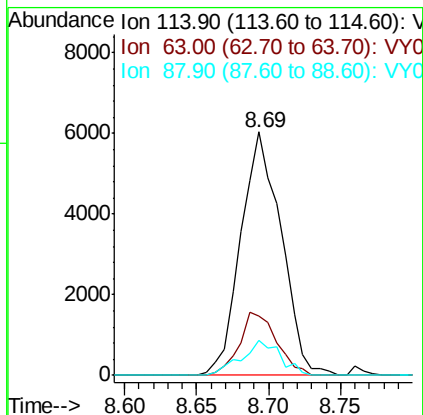
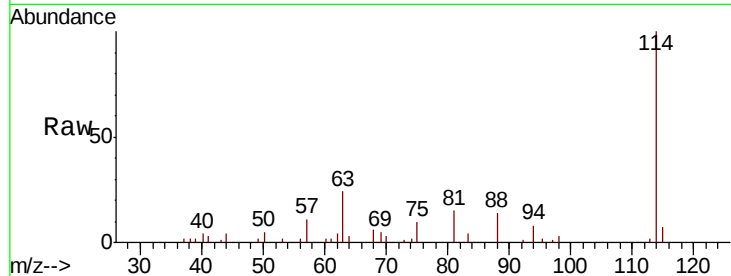
ClientSampleId :

MW-5-(16-18)

Tot Ion:	114	Resp:	11767
Ion Ratio	Lower	Upper	
114	100		
63	24.4	0.0	38.0
88	14.4	0.0	28.6

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#35

Dibromofluoromethane

Concen: 35.350 ug/l

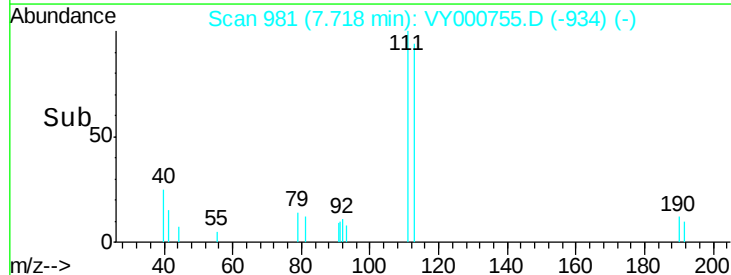
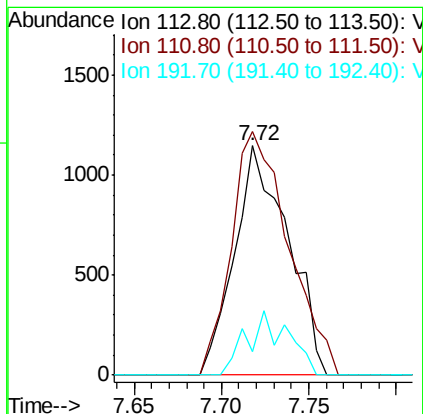
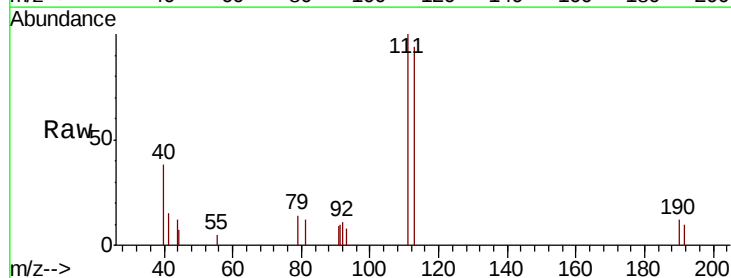
RT: 7.72 min Scan# 981

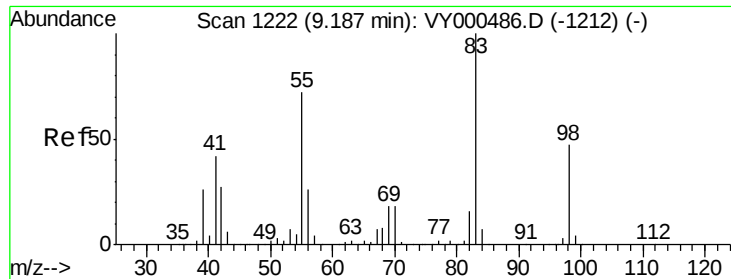
Delta R.T. -0.01 min

Lab File: VY000755.D

Acq: 20 Nov 2019 16:32

Tgt Ion:	113	Resp:	2442
Ion Ratio	Lower	Upper	
113	100		
111	113.6	81.7	122.5
192	21.3	15.0	22.4





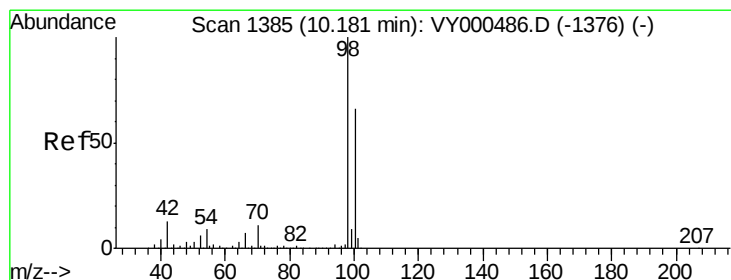
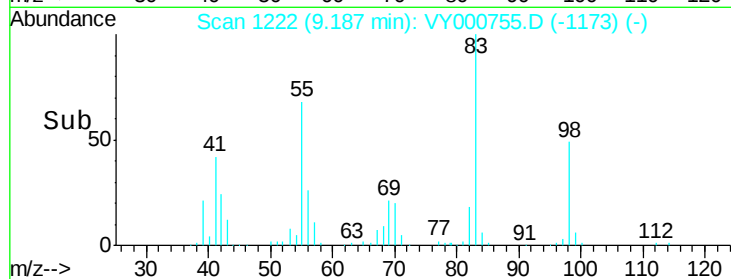
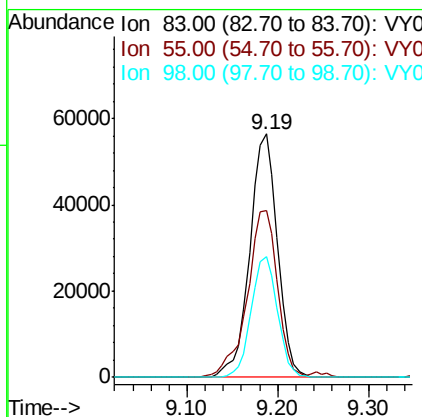
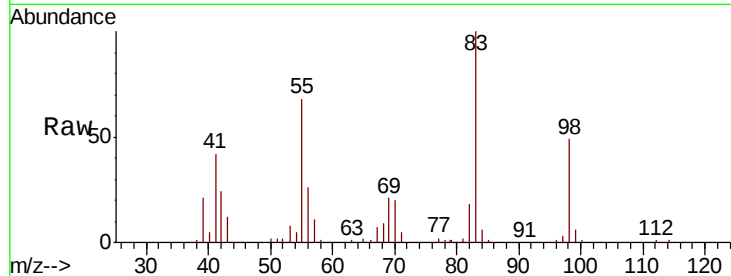
#39
Methylcyclohexane
Concen: 832.575 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY000755.D
Acq: 20 Nov 2019 16:32

Instrument :
MSVOA_Y
ClientSampleId :
MW-5-(16-18)

Tot Ion	83.00	Resp	119652
Ion	Ratio	Lower	Upper
83	100		
55	68.4	57.5	86.3
98	49.5	38.0	57.0

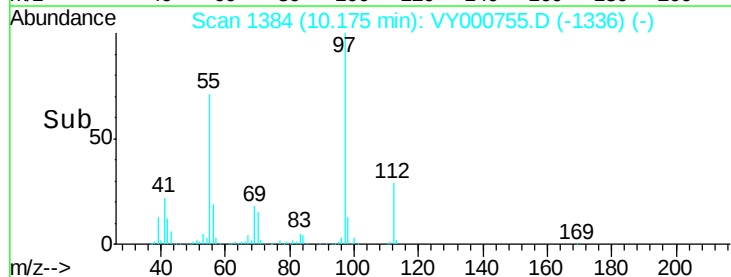
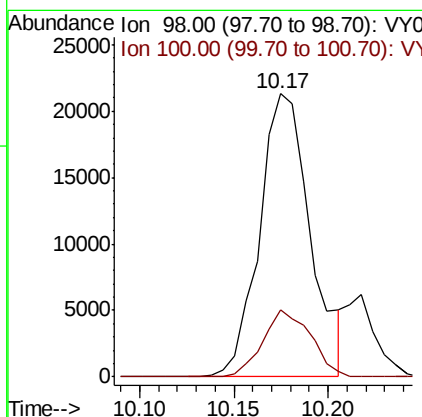
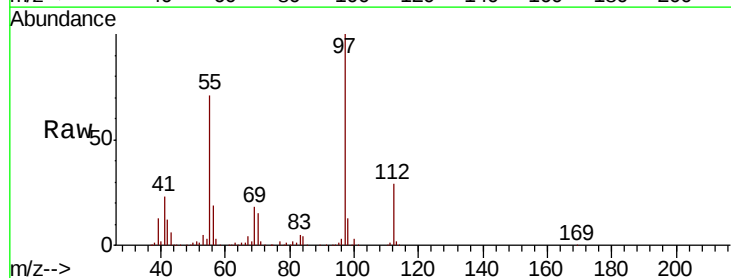
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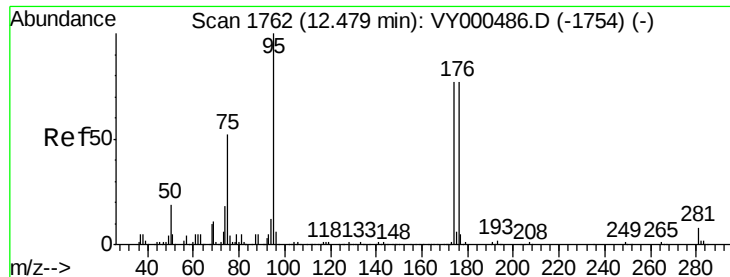
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#50
Toluene-d8
Concen: 152.281 ug/l
RT: 10.17 min Scan# 1384
Delta R.T. -0.01 min
Lab File: VY000755.D
Acq: 20 Nov 2019 16:32

Tgt Ion	98.00	Resp	39916
Ion	Ratio	Lower	Upper
98	100		
100	22.4	52.9	79.3





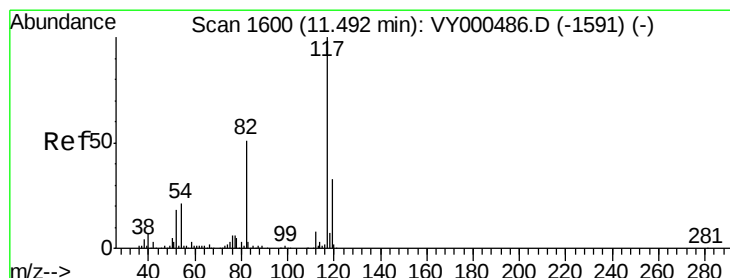
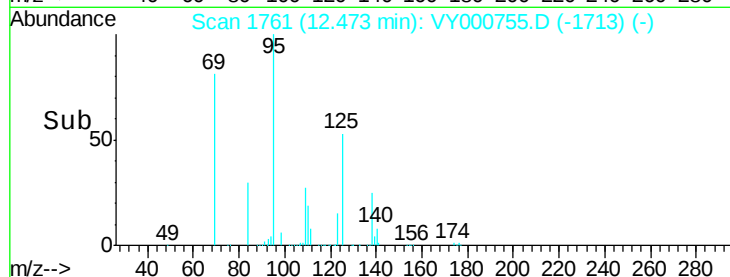
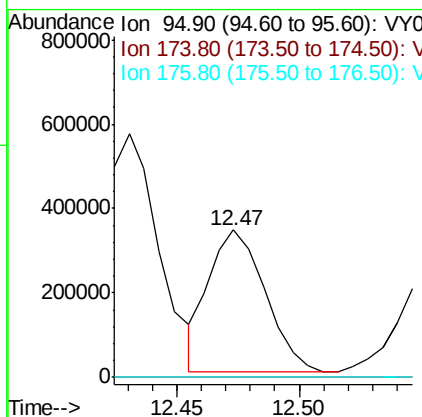
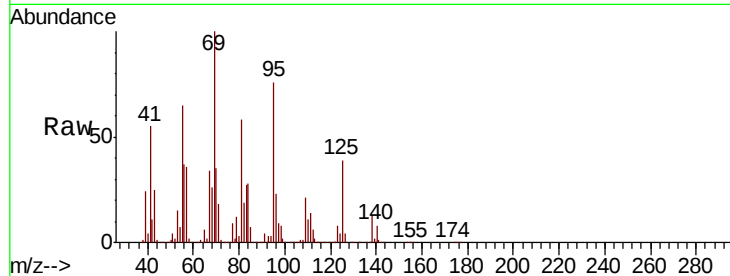
#62
4-Bromofluorobenzene
Concen: 5370.717 ug/l
RT: 12.47 min Scan# 1761
Delta R.T. -0.01 min
Lab File: VY000755.D
Acq: 20 Nov 2019 16:32

Instrument :
MSVOA_Y
ClientSampleId :
MW-5-(16-18)

Tot Ion	Ratio	Resp	Lower	Upper
95	100	535934		
174	0.7	0.0	161.6	
176	0.6	0.0	157.8	

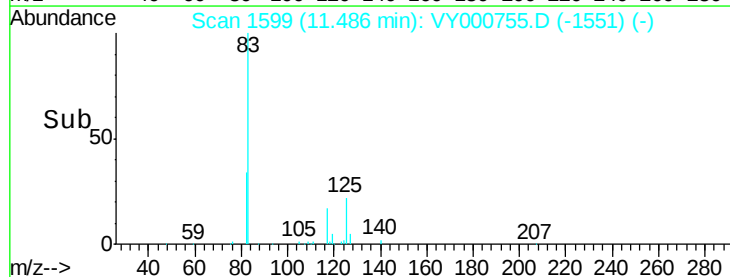
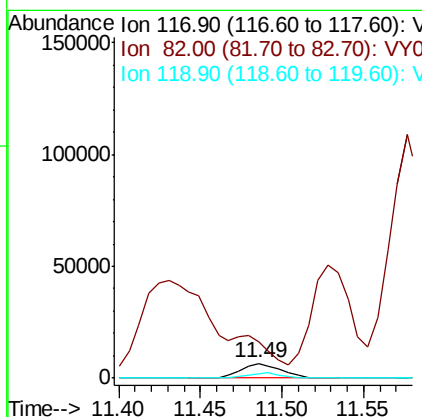
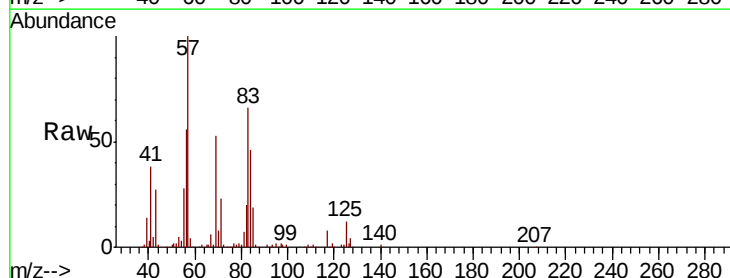
Manual Integrations
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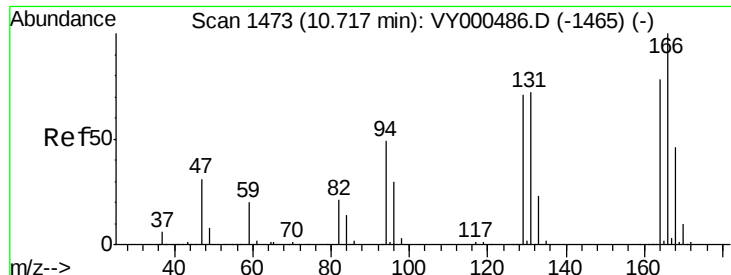
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY000755.D
Acq: 20 Nov 2019 16:32

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	11026		
82	0.0	40.8	61.2#	
119	30.8	26.2	39.2	





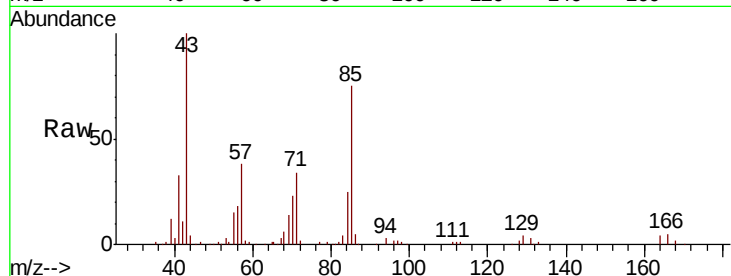
#64
Tetrachloroethene
Concen: 48.765 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY000755.D
Acq: 20 Nov 2019 16:32

Instrument :
MSVOA_Y
ClientSampleId :
MW-5-(16-18)

Tot Ion	Ratio	Lower	Upper
164	100		
166	116.8	102.7	154.1
129	103.5	73.2	109.8
131	79.5	74.2	111.2

Manual Integrations
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11/22/2019 12:53:15 AM



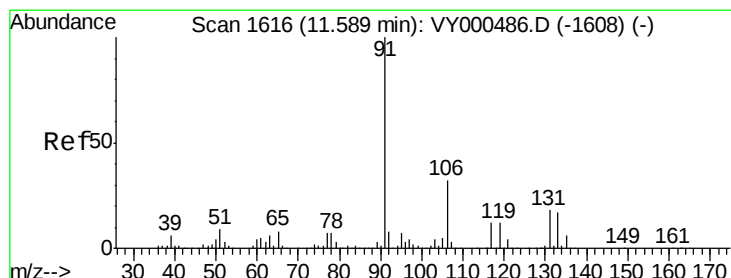
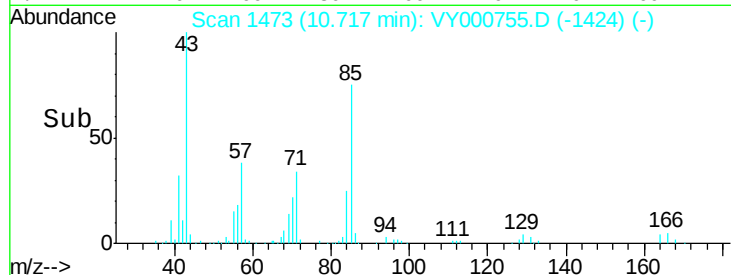
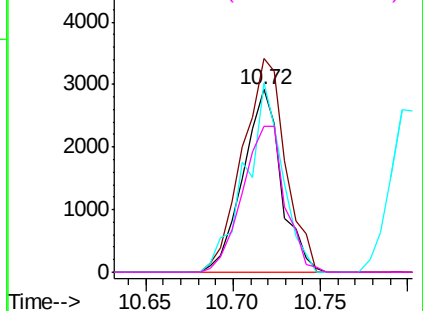
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

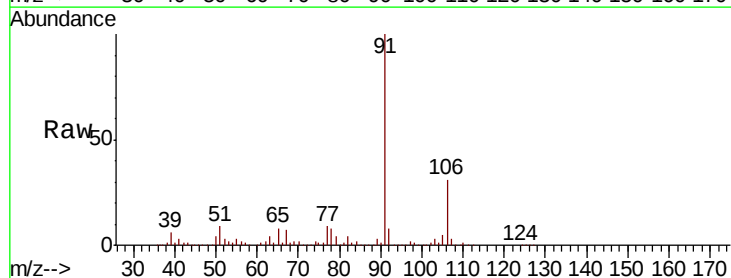
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#67
Ethyl Benzene
Concen: 5935.615 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY000755.D
Acq: 20 Nov 2019 16:32

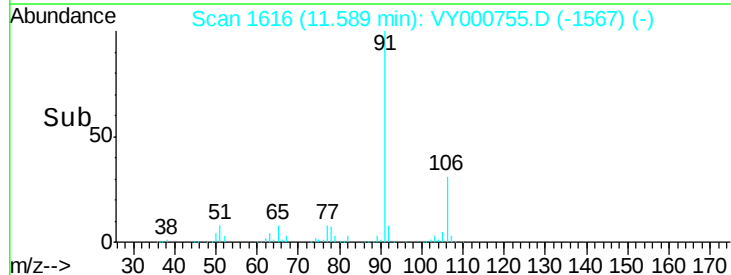
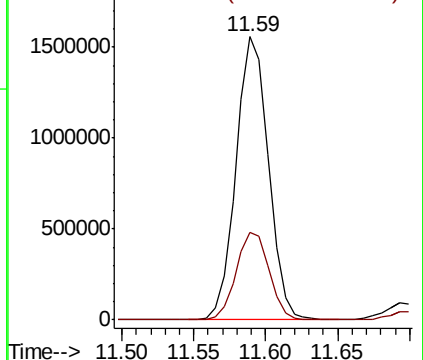
Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.0	25.4	38.0

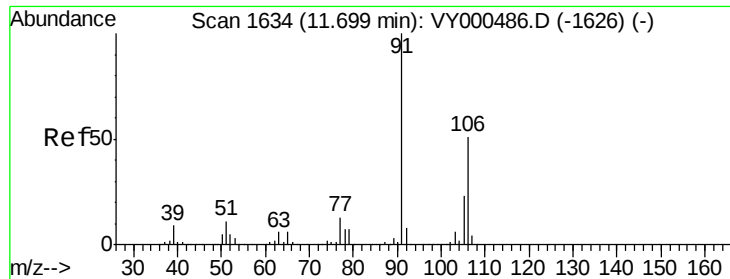


Abundance

Ion 91.00 (90.70 to 91.70): VY0

Ion 106.00 (105.70 to 106.70): V





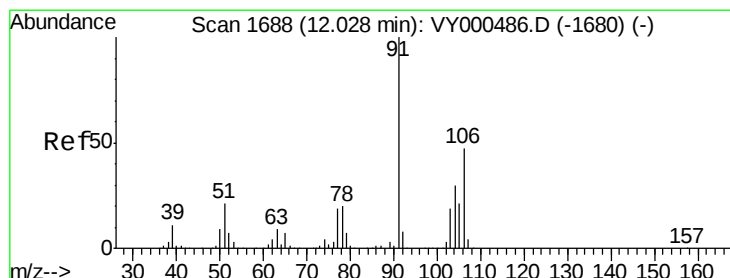
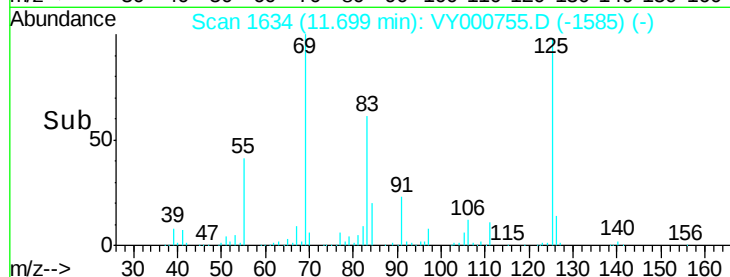
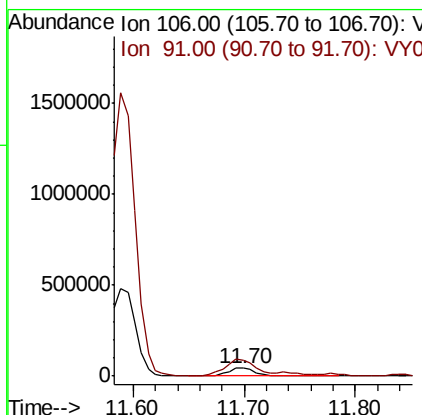
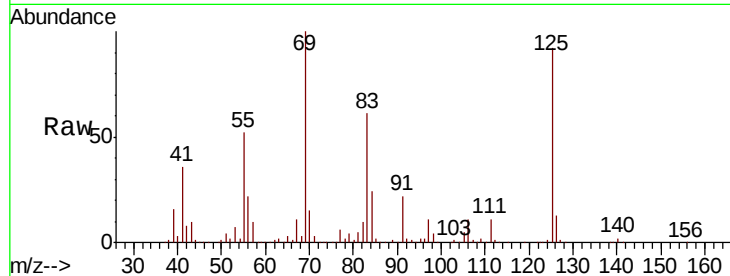
#68
m/p-Xvlenes
Concen: 479.296 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY000755.D
Acq: 20 Nov 2019 16:32

Instrument :
MSVOA_Y
ClientSampleId :
MW-5-(16-18)

Tot Ion:106 Resp: 76323
Ion Ratio Lower Upper
106 100
91 255.0 155.9 233.9#

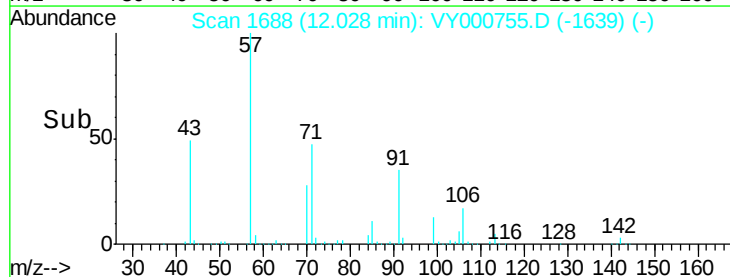
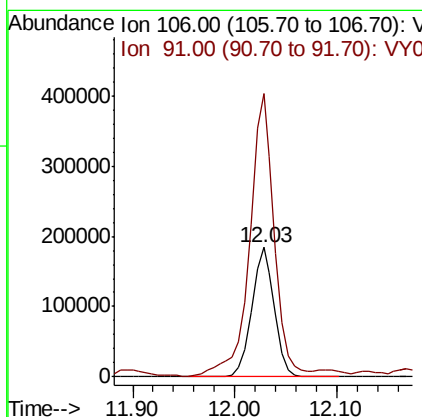
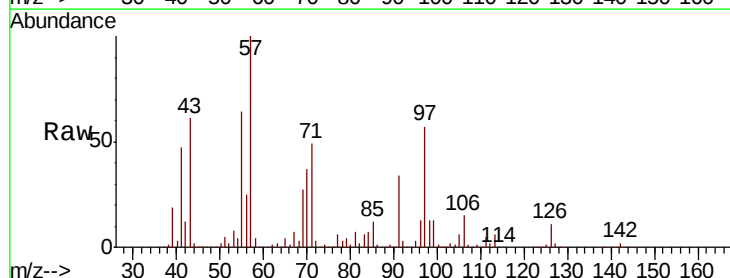
Manual Integrations
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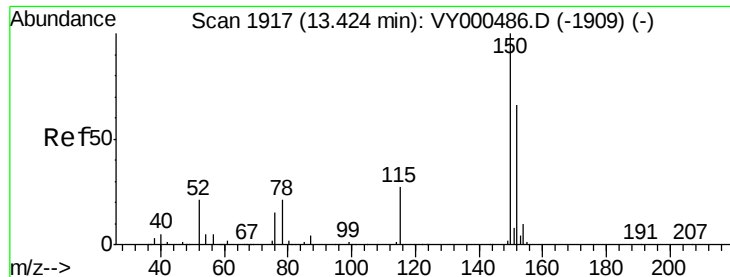
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#69
o-Xylene
Concen: 1875.819 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY000755.D
Acq: 20 Nov 2019 16:32

Tgt Ion:106 Resp: 280731
Ion Ratio Lower Upper
106 100
91 239.7 106.5 319.6





#72

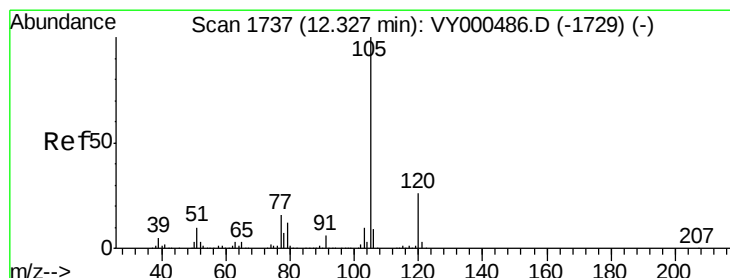
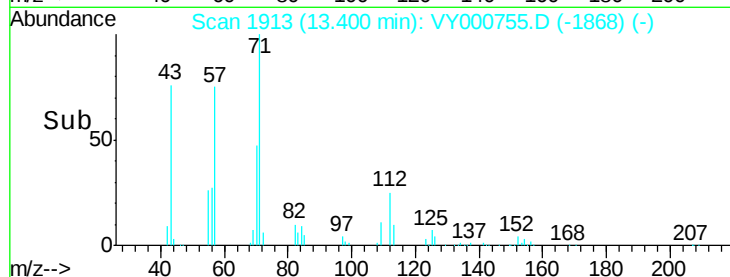
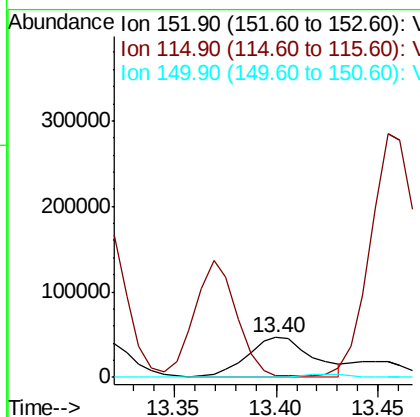
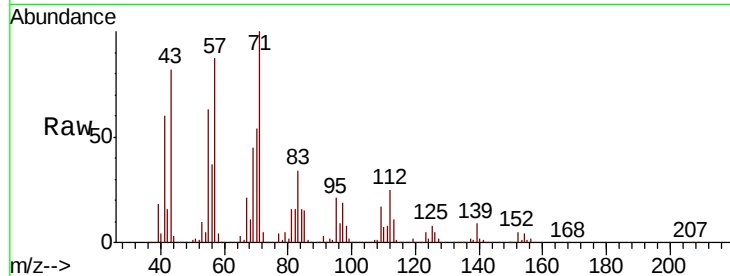
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.40 min Scan# 1913
Delta R.T. -0.02 min
Lab File: VY000755.D
Acq: 20 Nov 2019 16:32

Instrument :
MSVOA_Y
ClientSampleId :
MW-5-(16-18)

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

Manual Integrations
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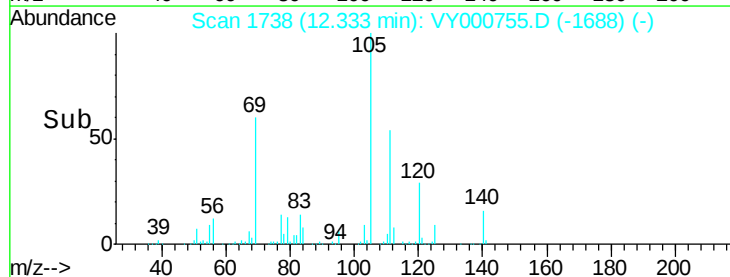
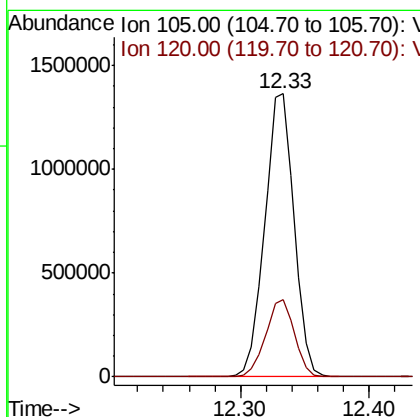
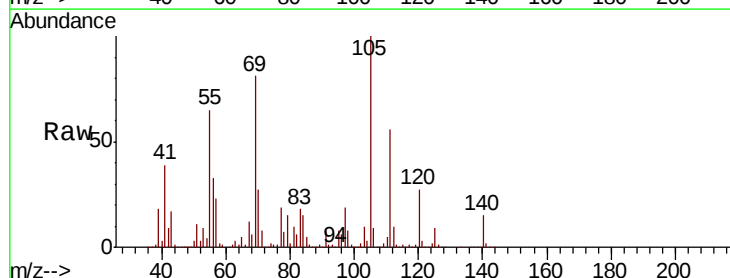
MMDadoda
11/22/2019 12:53:15 AM

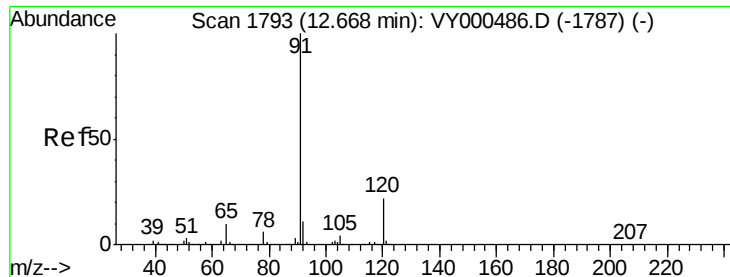


#73

Isopropylbenzene
Concen: 294.934 ug/l
RT: 12.33 min Scan# 1738
Delta R.T. 0.01 min
Lab File: VY000755.D
Acq: 20 Nov 2019 16:32

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.5	40.4





#78

n-propylbenzene

Concen: 713.378 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. 0.01 min

Lab File: VY000755.D

Acq: 20 Nov 2019 16:32

Instrument :

MSVOA_Y

ClientSampleId :

MW-5-(16-18)

Tot Ion: 91 Resp: 6264961

Ion Ratio Lower Upper

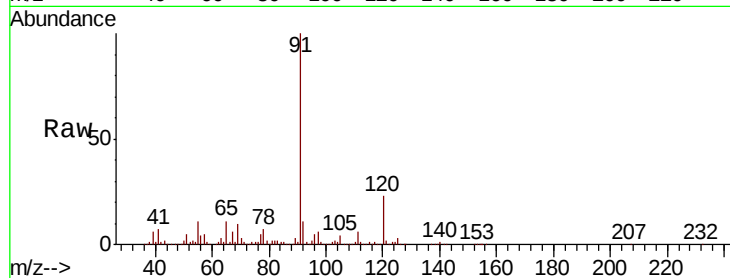
91 100

120 23.0 11.4 34.1

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VY000486.D (-1787) (-)

Ion 120.00 (119.70 to 120.70): VY000486.D (-1787) (-)

12.67

4000000

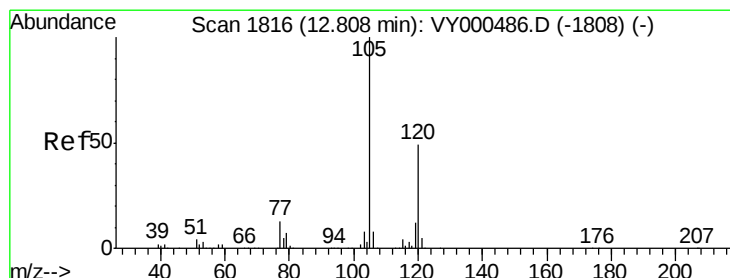
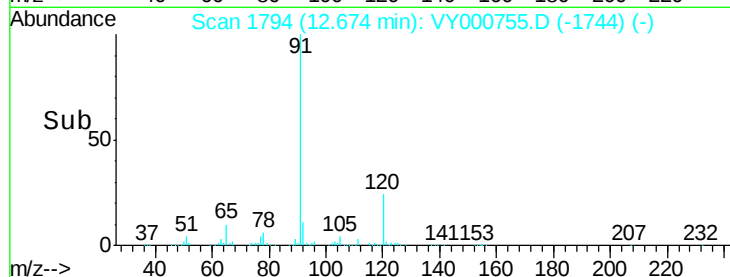
3000000

2000000

1000000

0

Time--> 12.55 12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 1481.153 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. 0.01 min

Lab File: VY000755.D

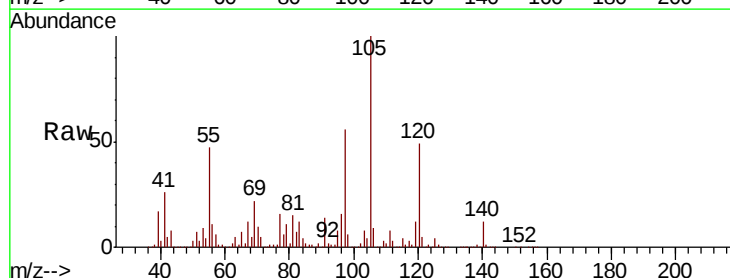
Acq: 20 Nov 2019 16:32

Tgt Ion:105 Resp: 8978602

Ion Ratio Lower Upper

105 100

120 48.2 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): VY000486.D (-1808) (-)

Ion 120.00 (119.70 to 120.70): VY000486.D (-1808) (-)

12.81

8000000

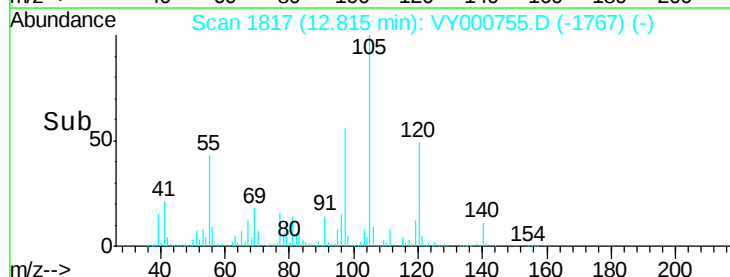
6000000

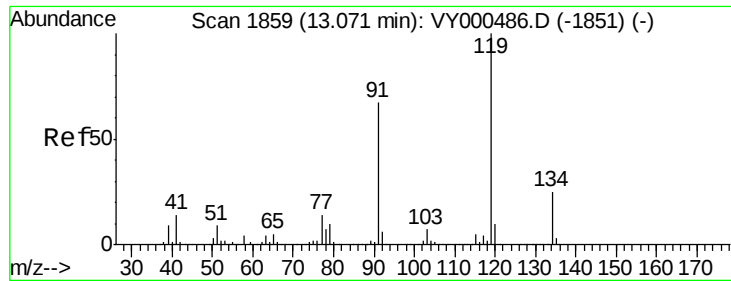
4000000

2000000

0

Time--> 12.75 12.80 12.85 12.90





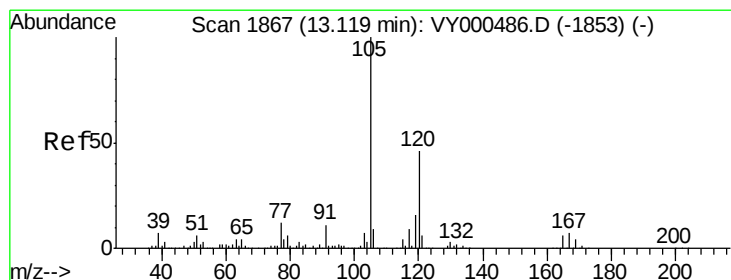
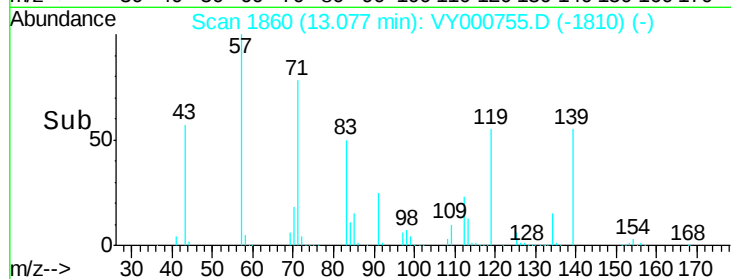
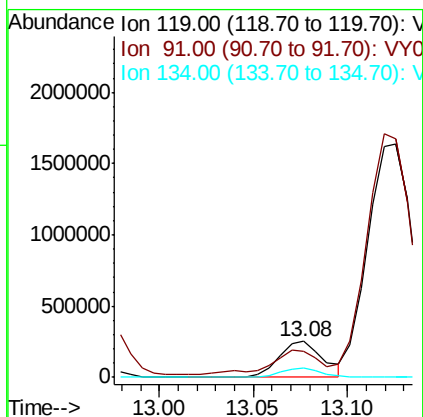
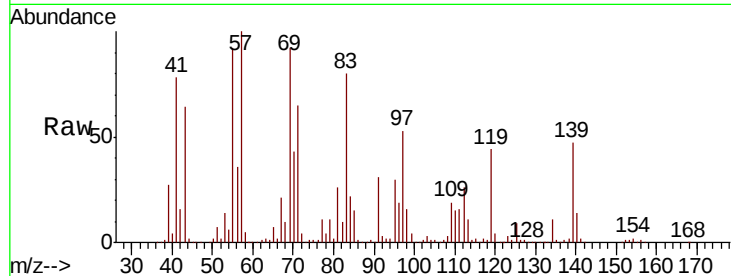
#83
tert-Butylbenzene
Concen: 78.857 ug/l
RT: 13.08 min Scan# 1860
Delta R.T. 0.01 min
Lab File: VY000755.D
Acq: 20 Nov 2019 16:32

Instrument :
MSVOA_Y
ClientSampleId :
MW-5-(16-18)

Tot Ion	Ratio	Lower	Upper
119	100		
91	74.0	32.1	96.3
134	23.5	13.2	39.5

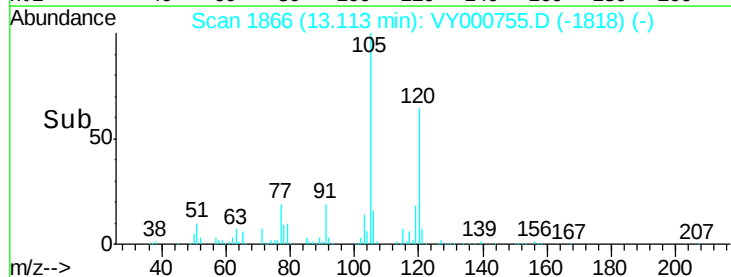
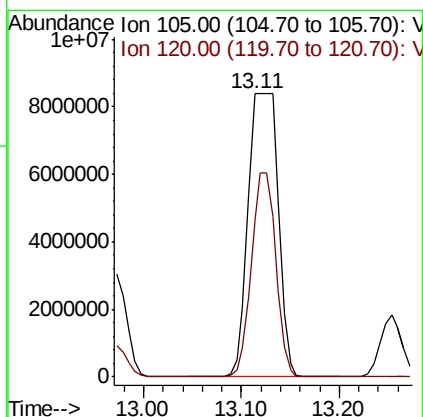
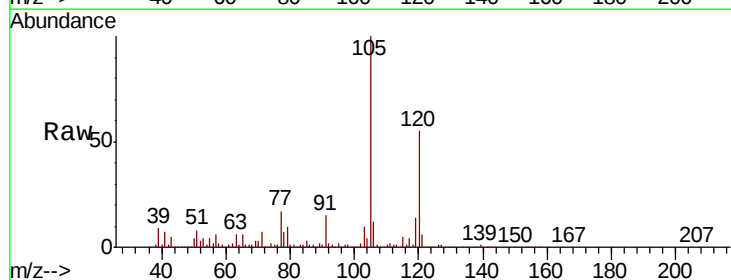
Manual Integrations
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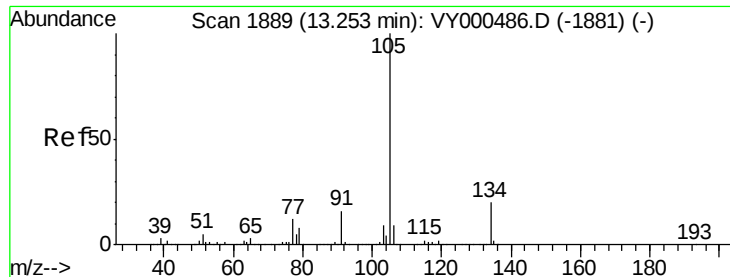
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#84
1,2,4-Trimethylbenzene
Concen: 2978.558 ug/l
RT: 13.11 min Scan# 1866
Delta R.T. -0.01 min
Lab File: VY000755.D
Acq: 20 Nov 2019 16:32

Tgt Ion	Ratio	Lower	Upper
105	100		
120	58.5	23.3	69.9





#85

sec-Butylbenzene

Concen: 376.639 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VY000755.D

Acq: 20 Nov 2019 16:32

Instrument :

MSVOA_Y

ClientSampleId :

MW-5-(16-18)

Tot Ion:105 Resp: 2777389

Ion Ratio Lower Upper

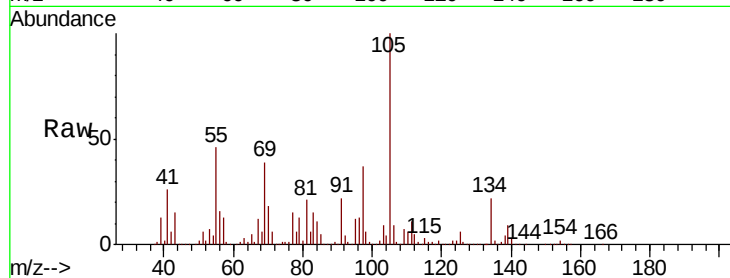
105 100

134 33.9 10.1 30.1#

Manual Integrations
APPROVED

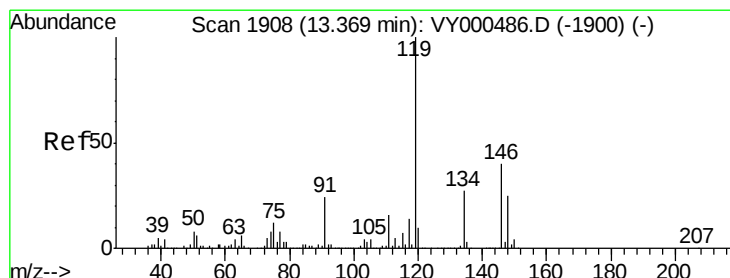
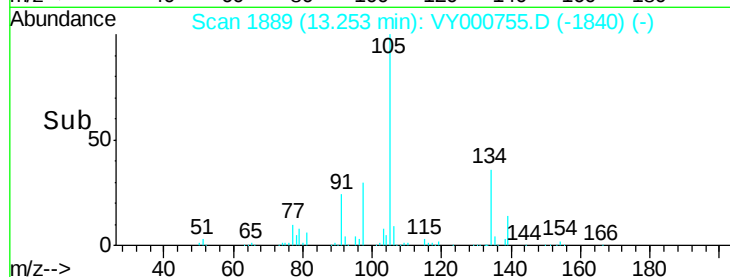
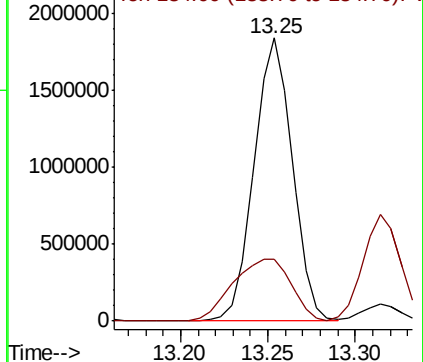
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 379.046 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY000755.D

Acq: 20 Nov 2019 16:32

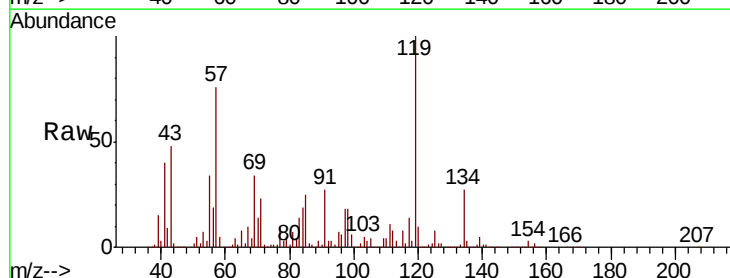
Tgt Ion:119 Resp: 2491174

Ion Ratio Lower Upper

119 100

134 26.8 13.6 40.8

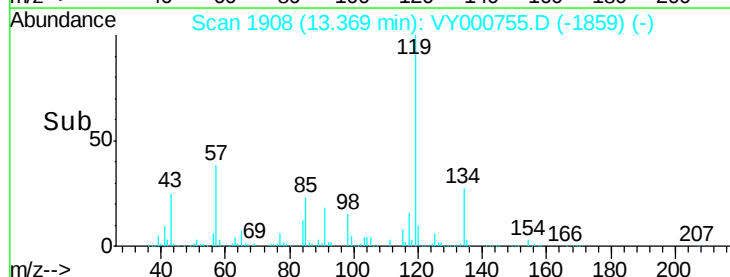
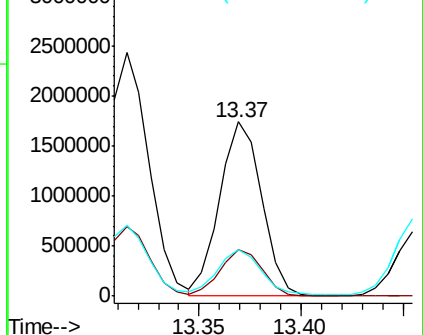
91 25.8 12.0 36.1

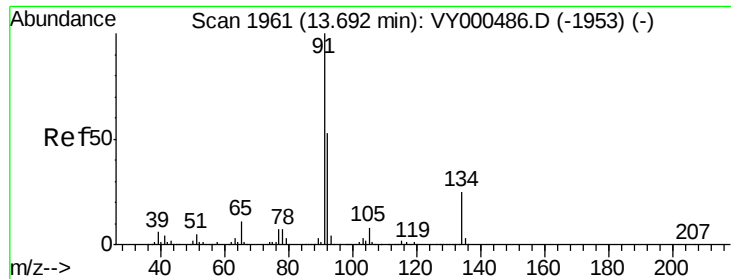


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





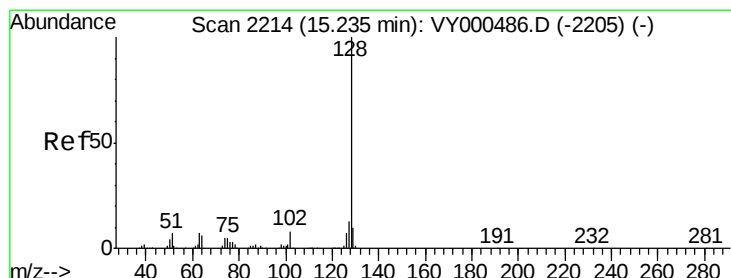
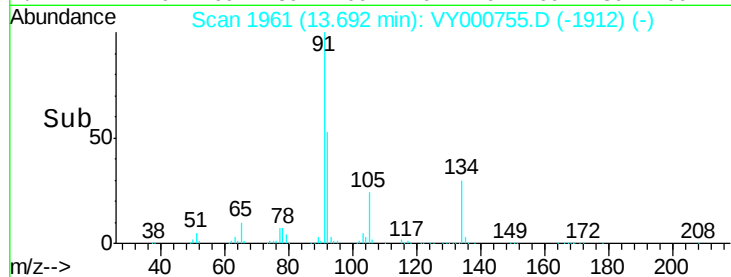
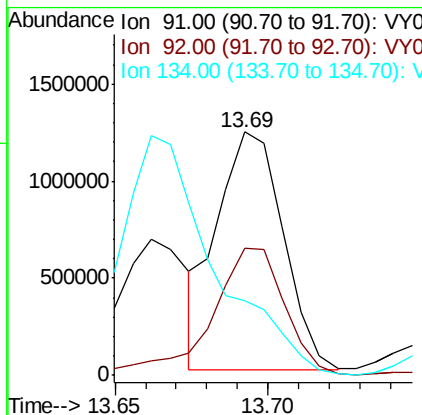
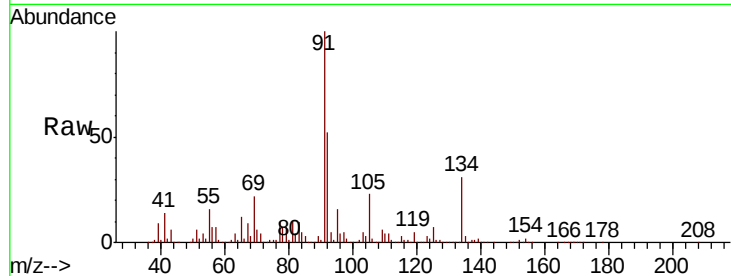
#89
n-Butylbenzene
Concen: 282.468 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY000755.D
Acq: 20 Nov 2019 16:32

Instrument :
MSVOA_Y
ClientSampleId :
MW-5-(16-18)

Tot Ion: 91 Resp: 1831013
Ion Ratio Lower Upper
91 100
92 58.2 26.8 80.3
134 0.0 12.9 38.7#

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#95
Naphthalene
Concen: 91.732 ug/l
RT: 15.23 min Scan# 2213
Delta R.T. -0.01 min
Lab File: VY000755.D
Acq: 20 Nov 2019 16:32

Tgt Ion: 128 Resp: 406716
Ion Ratio Lower Upper
128 100
127 12.6 9.8 14.6
129 10.9 8.7 13.1

