

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112119\
 Data File : VY000777.D
 Acq On : 21 Nov 2019 18:39
 Operator : SY/MD
 Sample : K5959-09
 Misc : 4.90G/5ML/MSVOA Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WS-112019-0-1-GRAB-B2

Manual Integrations
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 11/23/2019 6:11:12 AM

Quant Time: Nov 22 04:55:34 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	280416	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	522789	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	410741	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	132463	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	166691	57.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.88%	
35) Dibromofluoromethane	7.72	113	147780	48.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.30%	
50) Toluene-d8	10.18	98	608707	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	
62) 4-Bromofluorobenzene	12.48	95	163556	36.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.78%	
Target Compounds						
					Qvalue	
40) Benzene	8.17	78	69243	4.779	ug/l	96
52) Toluene	10.24	92	133757	14.601	ug/l	99
67) Ethyl Benzene	11.59	91	211713	13.813	ug/l	96
68) m/p-Xylenes	11.69	106	346874	58.475	ug/l	94
69) o-Xylene	12.03	106	231546	41.532	ug/l	99
73) Isopropylbenzene	12.33	105	99698	10.184	ug/l	99
78) n-propylbenzene	12.67	91	44146	3.737	ug/l #	53
80) 1,3,5-Trimethylbenzene	12.81	105	718561	88.128	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	1316728	162.194	ug/l	99
86) p-Isopropyltoluene	13.36	119	58184	6.582	ug/l	98
89) n-Butylbenzene	13.69	91	12780m	1.466	ug/l	
95) Naphthalene	15.23	128	20989101	3519.507	ug/l #	84

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

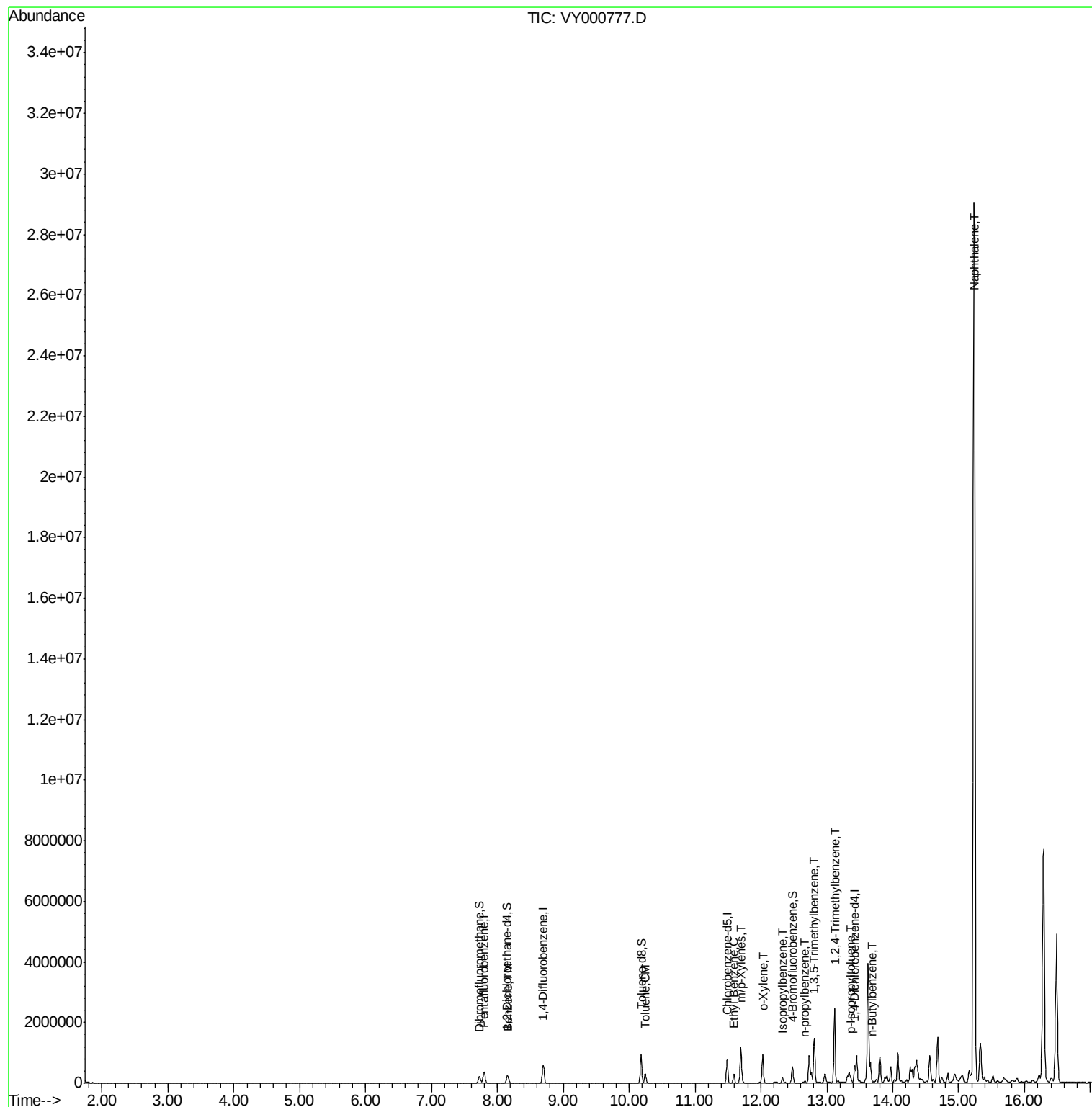
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY112119\
Data File : VY000777.D
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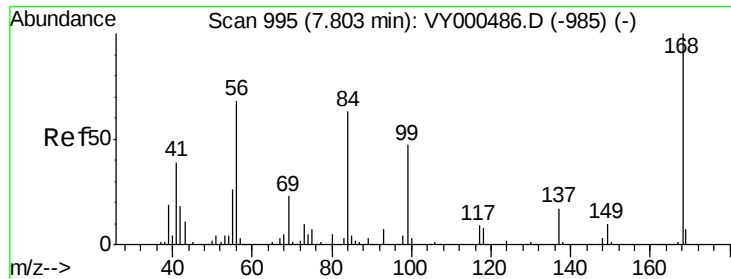
Instrument :
MSVOA_Y
ClientSampleId :
WS-112019-0-1-GRAB-B2

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Quant Time: Nov 22 04:55:34 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: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY000777.D

Acq: 21 Nov 2019 18:39

Instrument :

MSVOA_Y

ClientSampleId :

WS-112019-0-1-GRAB-B2

Tot Ion:168 Resp: 280416

Ion Ratio Lower Upper

168 100

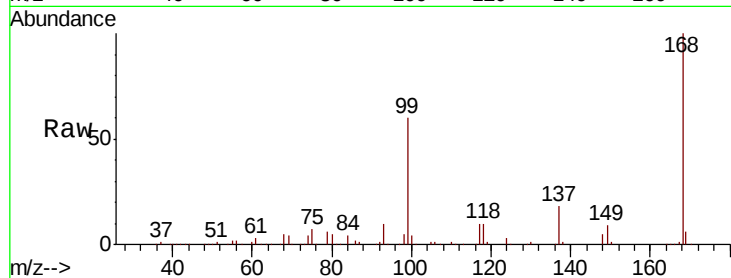
99 59.7 45.7 68.5

Manual Integrations

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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) (-)

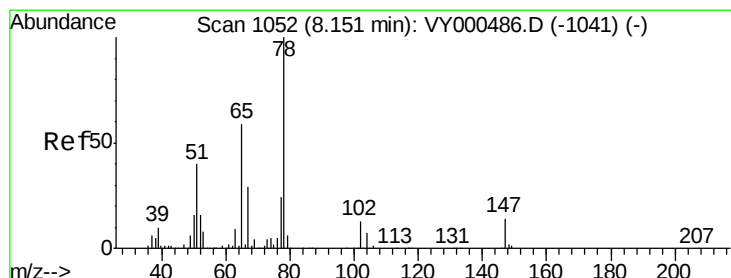
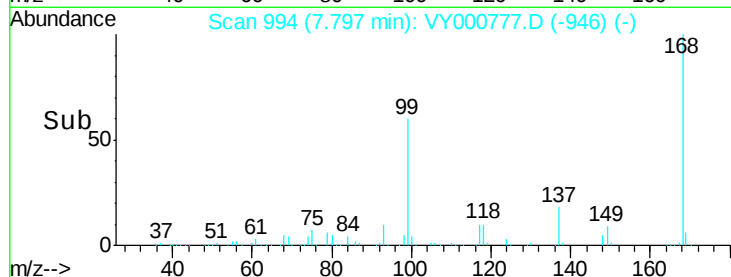
7.80

100000

50000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 57.441 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY000777.D

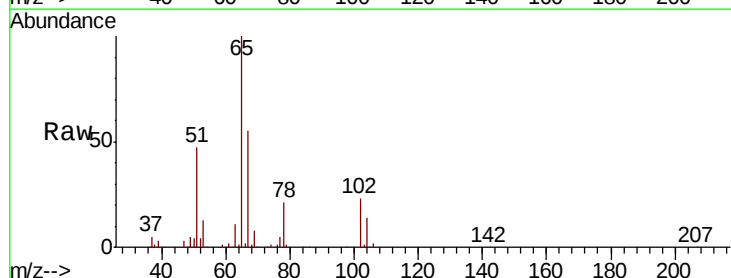
Acq: 21 Nov 2019 18:39

Tgt Ion: 65 Resp: 166691

Ion Ratio Lower Upper

65 100

67 54.9 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VY000486.D (-1041) (-)

Ion 66.90 (66.60 to 67.60): VY000486.D (-1041) (-)

8.15

80000

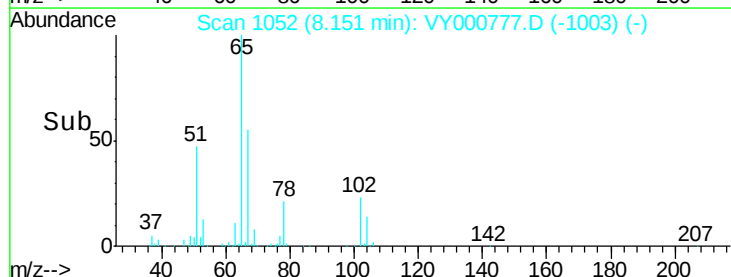
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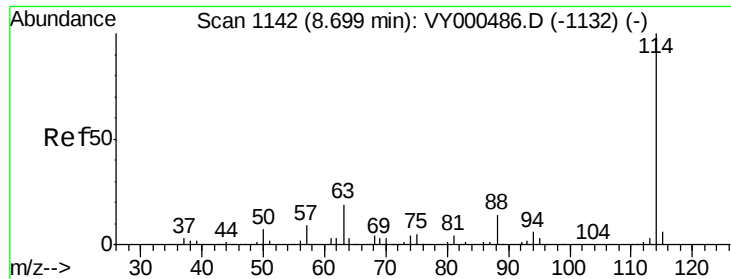
40000

20000

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Time-->





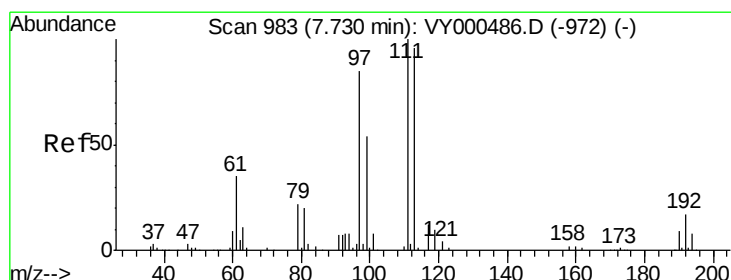
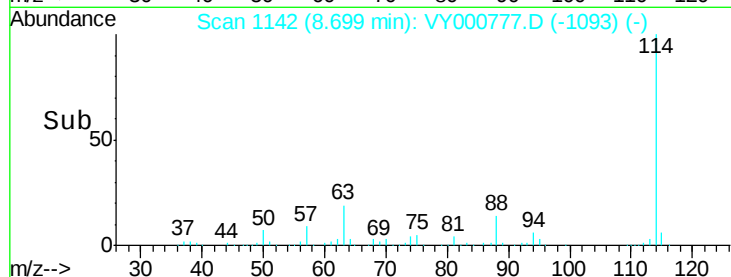
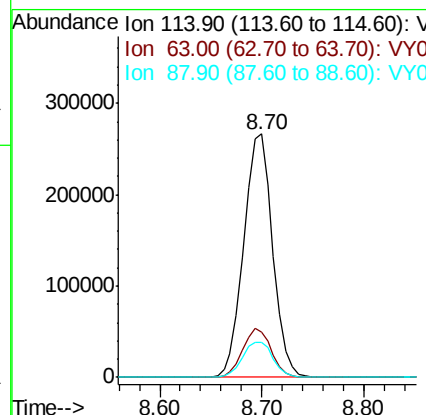
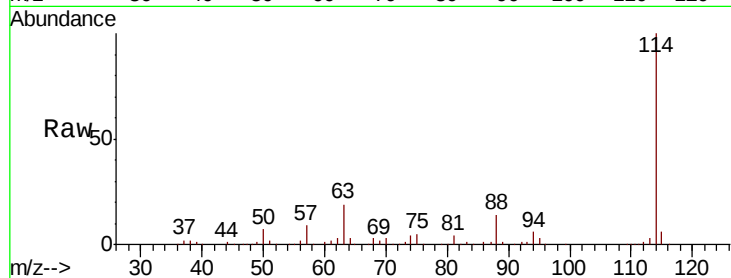
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.00 min
 Lab File: VY000777.D
 Acq: 21 Nov 2019 18:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 WS-112019-0-1-GRAB-B2

Tot Ion	Ratio	Resp	Lower	Upper
114	100	522789		
63	18.8		0.0	38.0
88	14.4		0.0	28.6

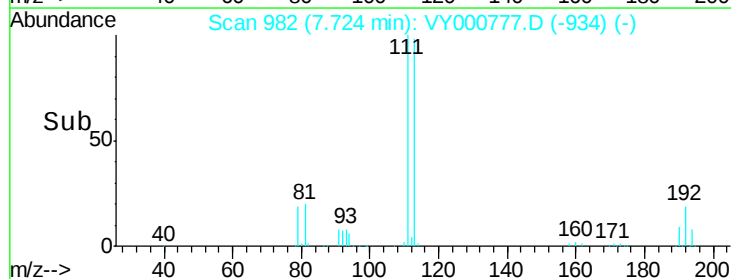
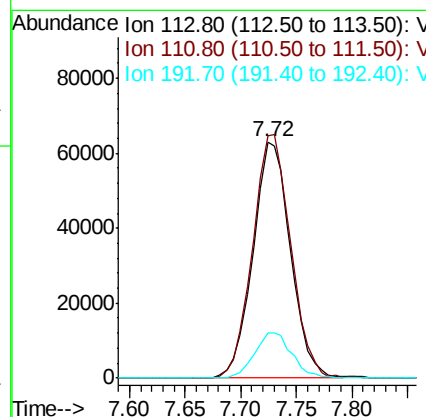
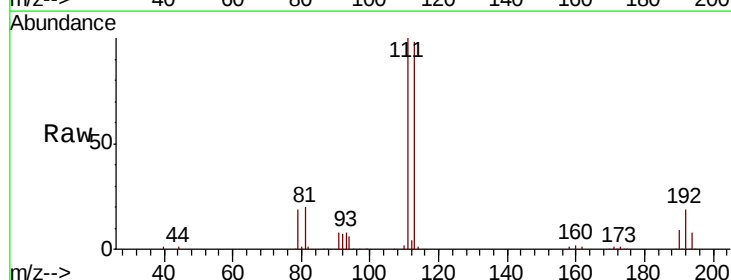
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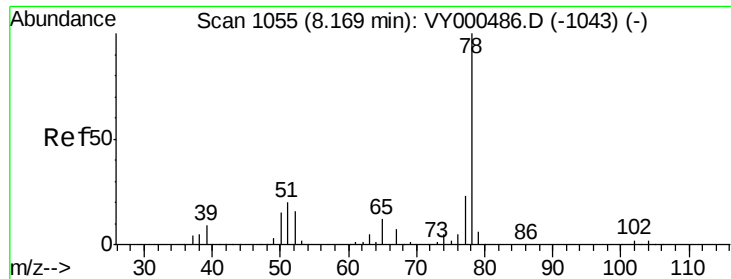
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#35
 Dibromofluoromethane
 Concen: 48.151 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VY000777.D
 Acq: 21 Nov 2019 18:39

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	147780		
111	105.0		81.7	122.5
192	19.1		15.0	22.4





#40

Benzene

Concen: 4.779 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VY000777.D

Acq: 21 Nov 2019 18:39

Instrument :

MSVOA_Y

ClientSampleId :

WS-112019-0-1-GRAB-B2

Tot Ion: 78 Resp: 69243

Ion Ratio Lower Upper

78 100

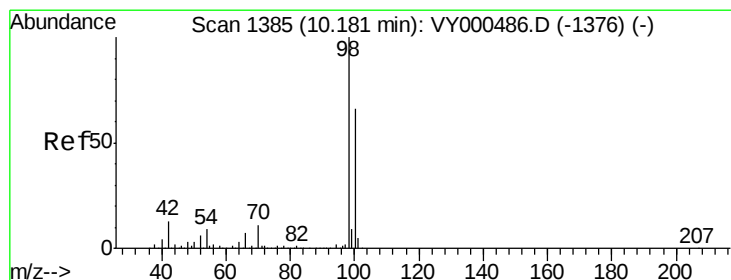
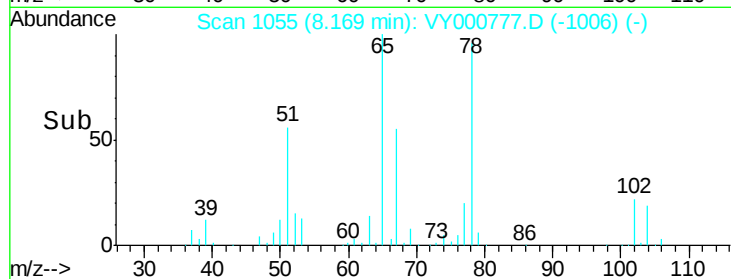
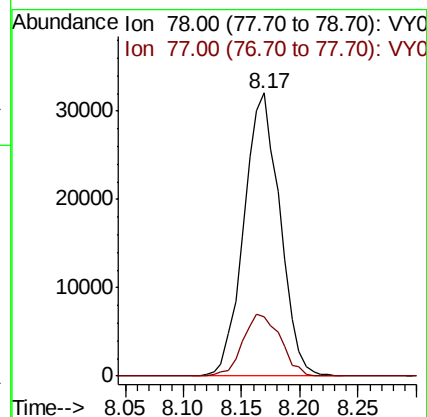
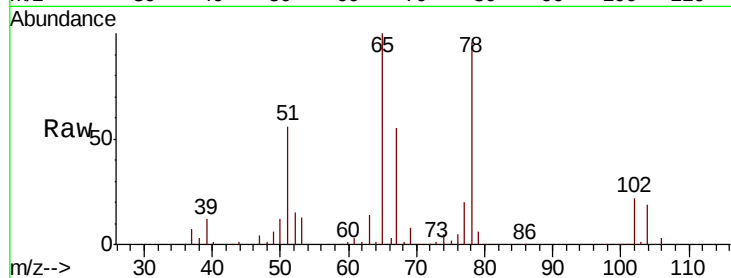
77 21.2 18.6 28.0

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11/23/2019 6:11:12 AM



#50

Toluene-d8

Concen: 52.269 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000777.D

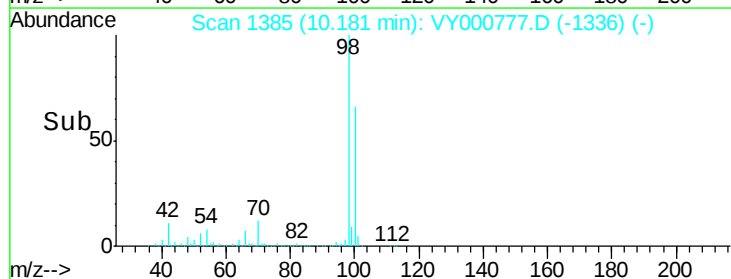
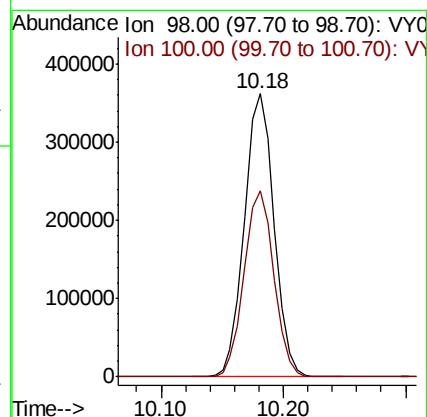
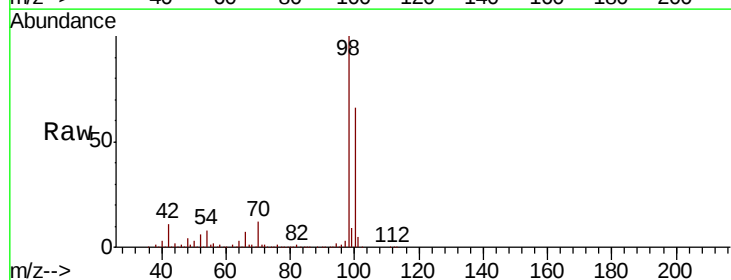
Acq: 21 Nov 2019 18:39

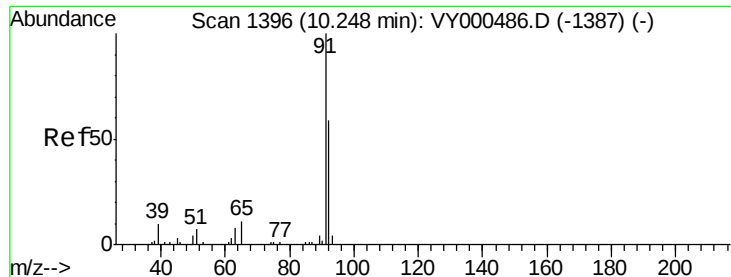
Tgt Ion: 98 Resp: 608707

Ion Ratio Lower Upper

98 100

100 66.1 52.9 79.3





#52

Toluene

Concen: 14.601 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. -0.01 min

Lab File: VY000777.D

Acq: 21 Nov 2019 18:39

Instrument :

MSVOA_Y

ClientSampleId :

WS-112019-0-1-GRAB-B2

Tot Ion: 92 Resp: 133757

Ion Ratio Lower Upper

92 100

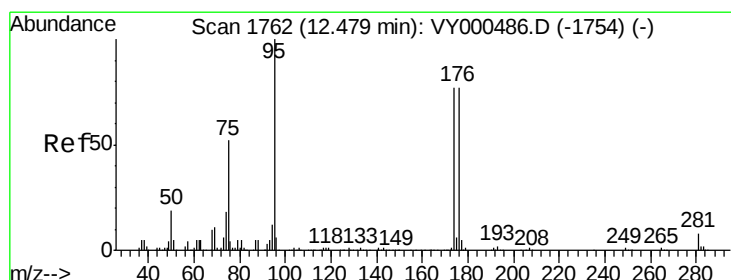
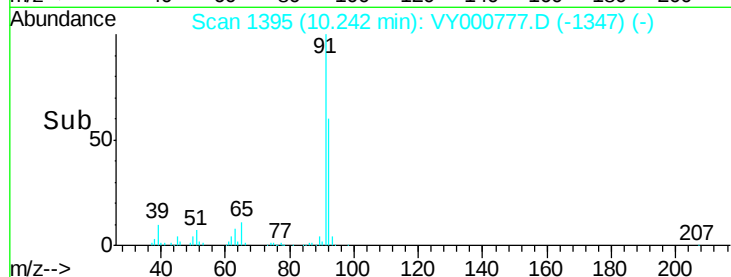
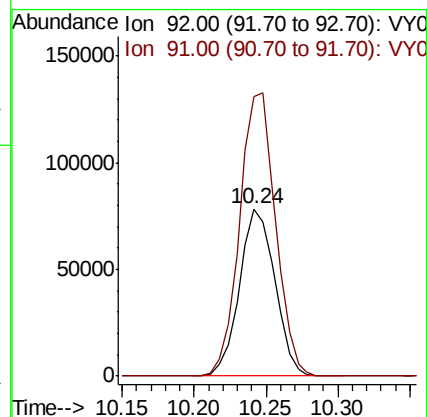
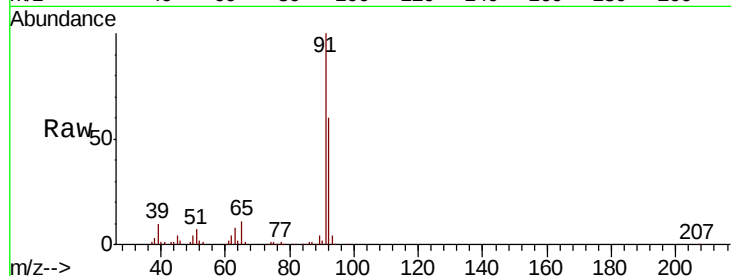
91 171.8 136.3 204.5

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11/23/2019 6:11:12 AM



#62

4-Bromofluorobenzene

Concen: 36.892 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000777.D

Acq: 21 Nov 2019 18:39

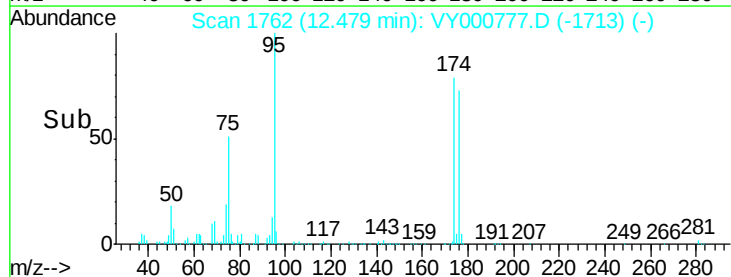
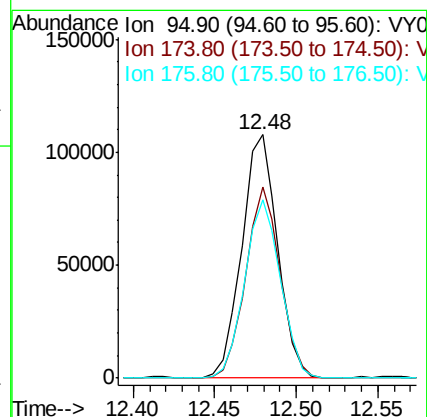
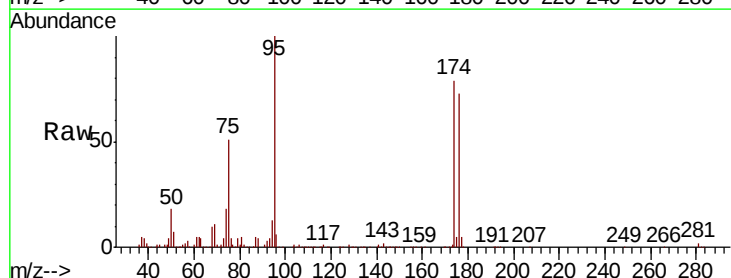
Tgt Ion: 95 Resp: 163556

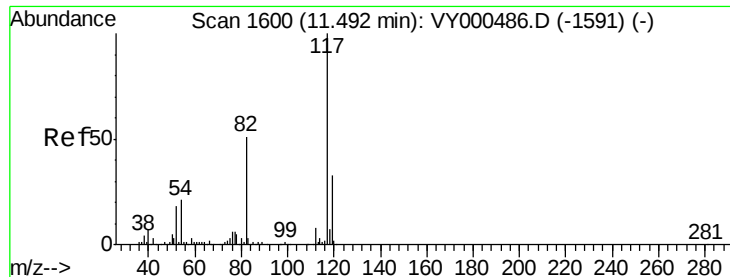
Ion Ratio Lower Upper

95 100

174 76.3 0.0 161.6

176 73.5 0.0 157.8





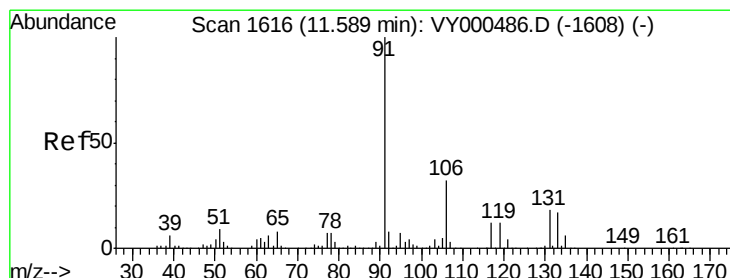
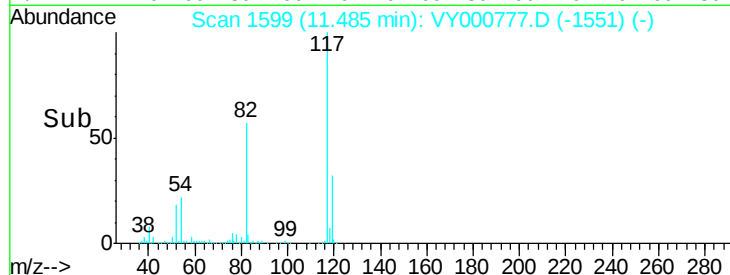
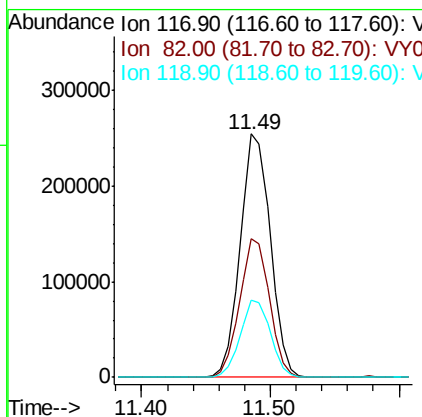
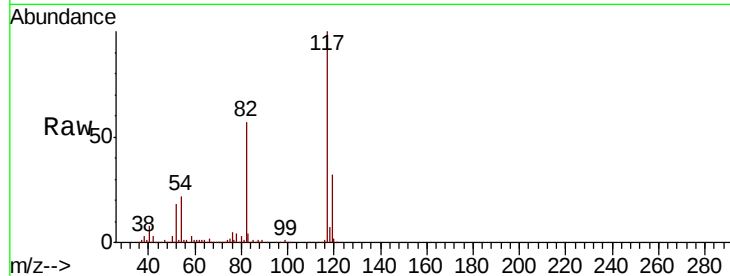
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY000777.D
Acq: 21 Nov 2019 18:39

Instrument :
MSVOA_Y
ClientSampleId :
WS-112019-0-1-GRAB-B2

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.2	40.8	61.2
119	31.7	26.2	39.2

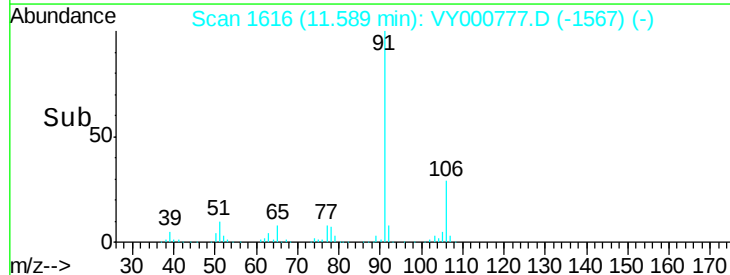
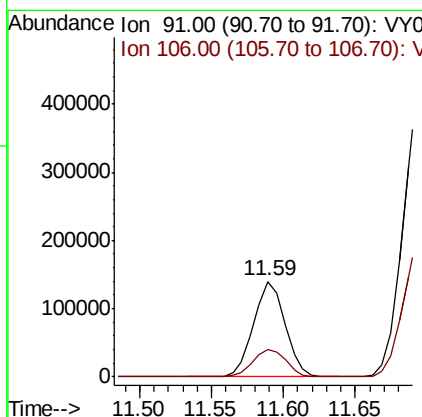
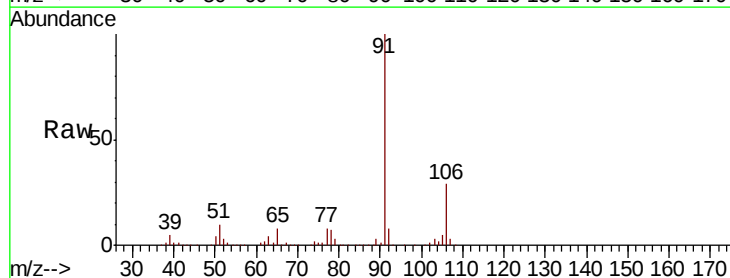
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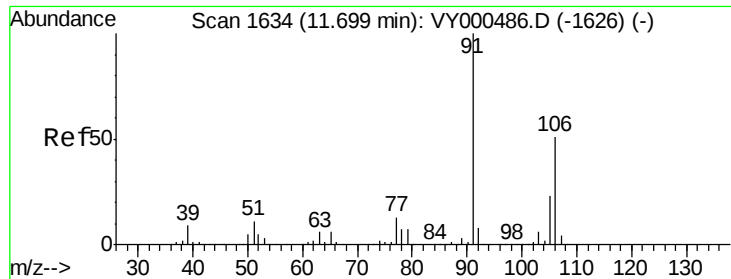
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#67
Ethyl Benzene
Concen: 13.813 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY000777.D
Acq: 21 Nov 2019 18:39

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.3	25.4	38.0





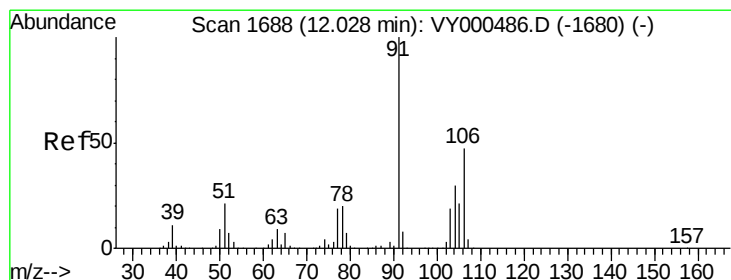
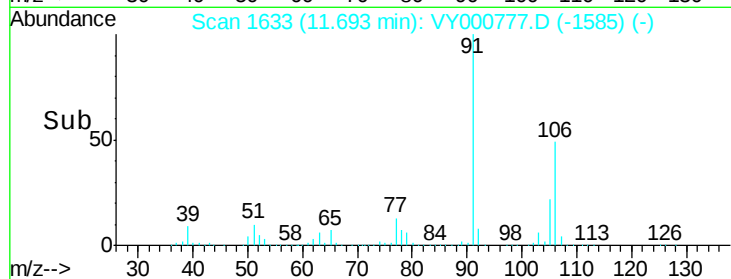
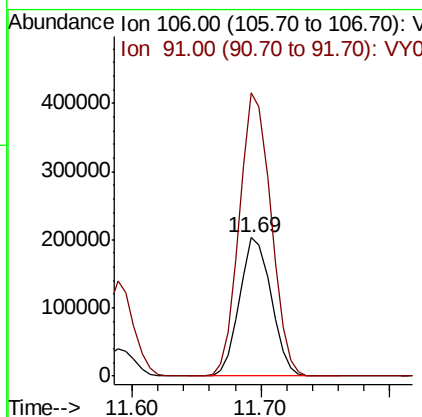
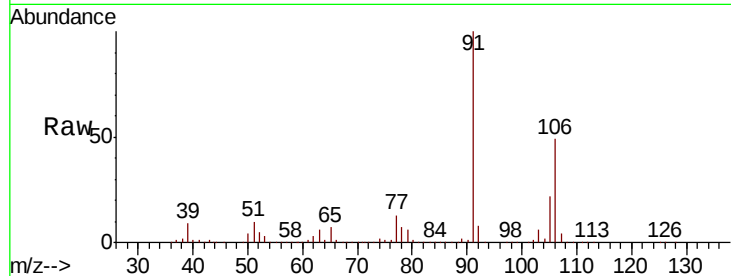
#68
m/p-Xvlenes
Concen: 58.475 ug/l
RT: 11.69 min Scan# 1633
Delta R.T. -0.01 min
Lab File: VY000777.D
Acq: 21 Nov 2019 18:39

Instrument :
MSVOA_Y
ClientSampleId :
WS-112019-0-1-GRAB-B2

Tot Ion:106 Resp: 346874
Ion Ratio Lower Upper
106 100
91 204.2 155.9 233.9

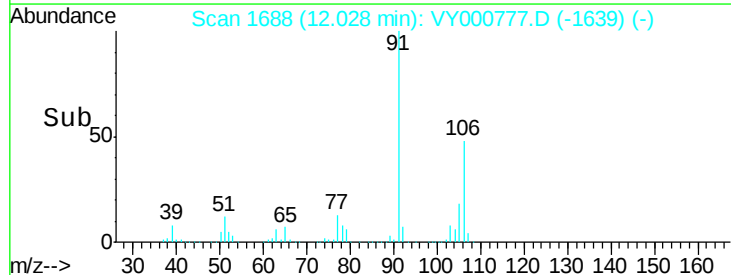
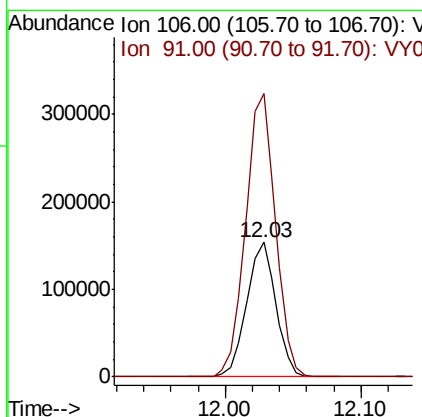
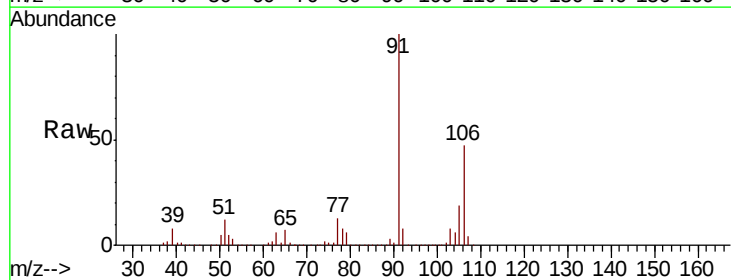
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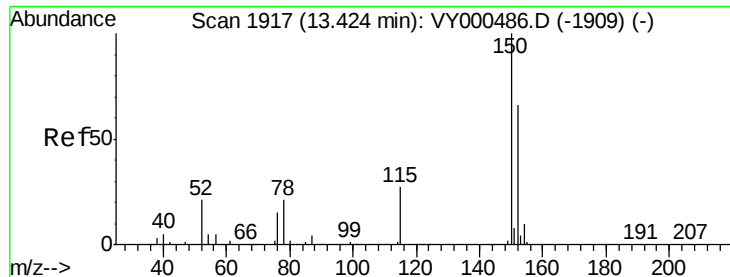
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#69
o-Xylene
Concen: 41.532 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY000777.D
Acq: 21 Nov 2019 18:39

Tgt Ion:106 Resp: 231546
Ion Ratio Lower Upper
106 100
91 214.4 106.5 319.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY000777.D

Acq: 21 Nov 2019 18:39

Instrument :

MSVOA_Y

ClientSampleId :

WS-112019-0-1-GRAB-B2

Tot Ion:152 Resp: 132463

Ion Ratio Lower Upper

152 100

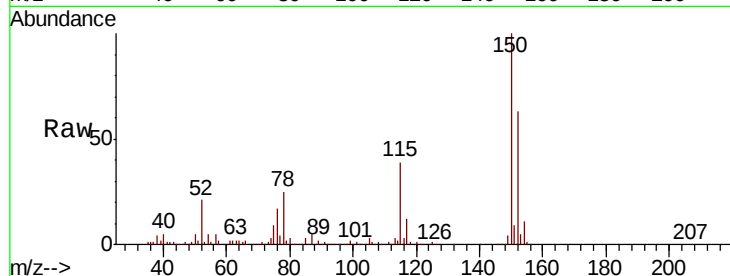
115 73.8 29.1 87.4

150 154.8 0.0 348.8

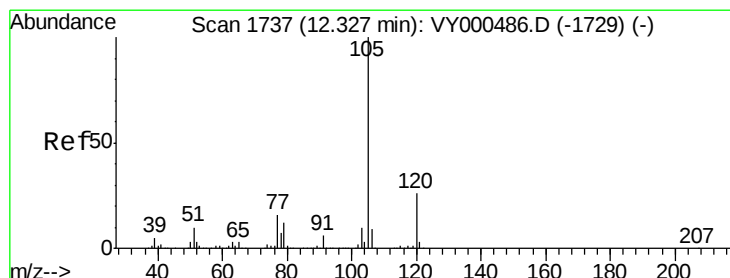
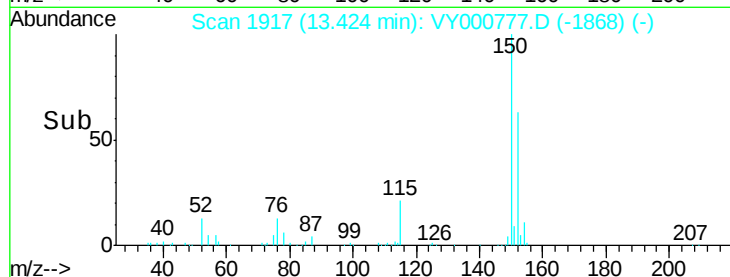
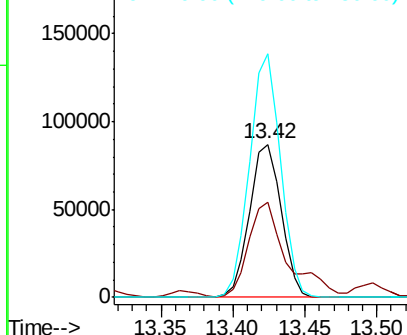
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Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 10.184 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY000777.D

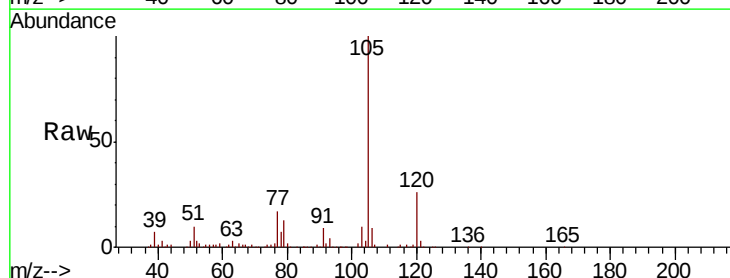
Acq: 21 Nov 2019 18:39

Tgt Ion:105 Resp: 99698

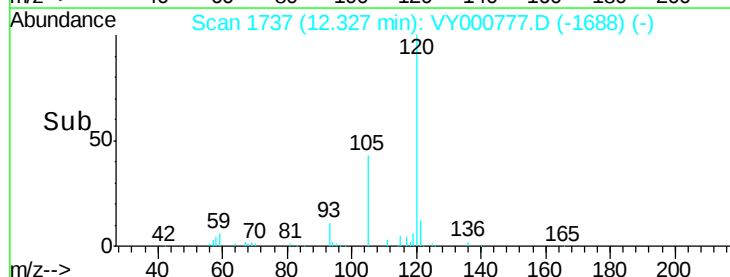
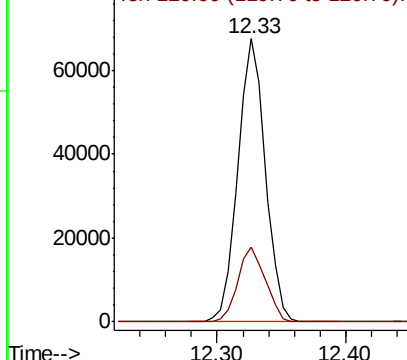
Ion Ratio Lower Upper

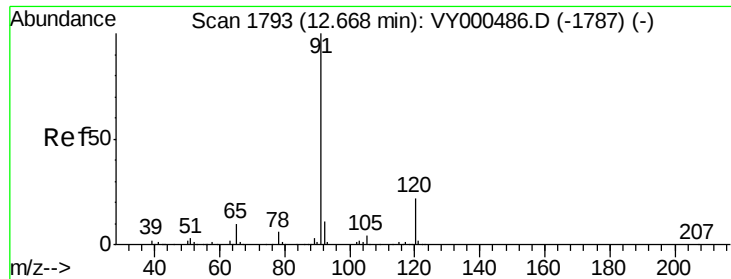
105 100

120 26.5 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 3.737 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VY000777.D

Acq: 21 Nov 2019 18:39

Instrument :

MSVOA_Y

ClientSampleId :

WS-112019-0-1-GRAB-B2

Tot Ion: 91 Resp: 44146

Ion Ratio Lower Upper

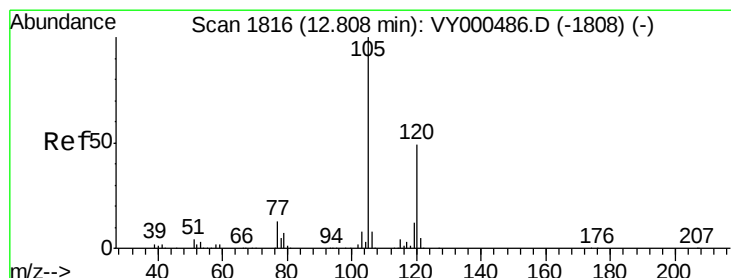
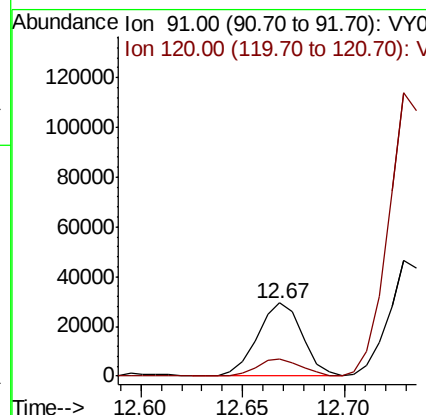
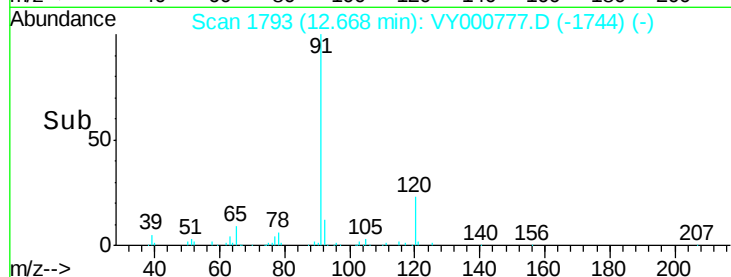
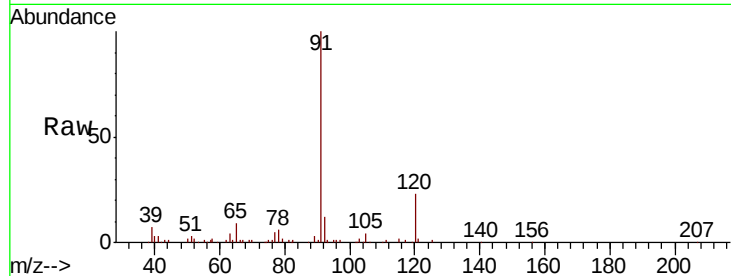
91 100

120 0.0 11.4 34.1#

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#80

1,3,5-Trimethylbenzene

Concen: 88.128 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VY000777.D

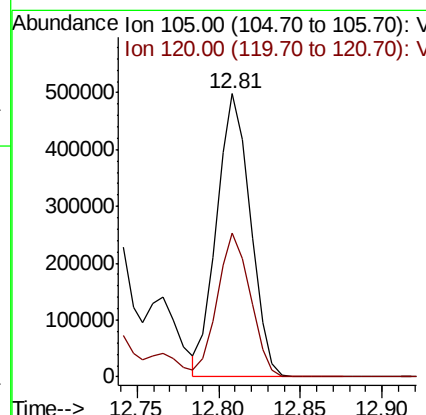
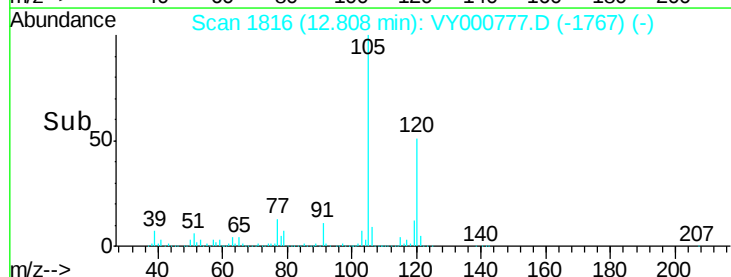
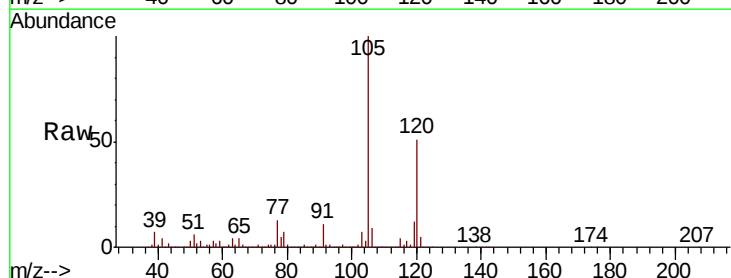
Acq: 21 Nov 2019 18:39

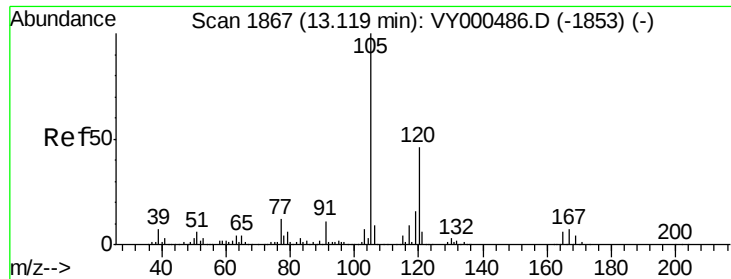
Tgt Ion: 105 Resp: 718561

Ion Ratio Lower Upper

105 100

120 49.8 24.9 74.8





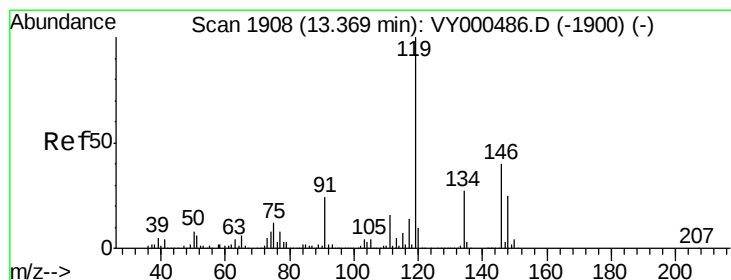
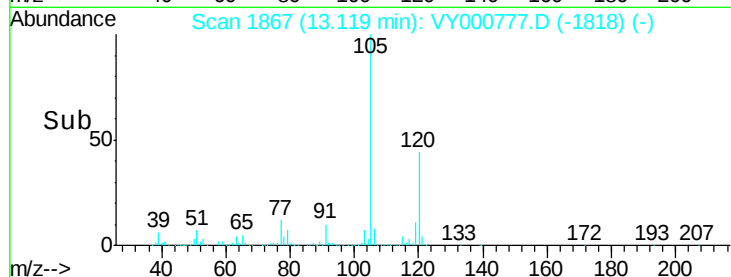
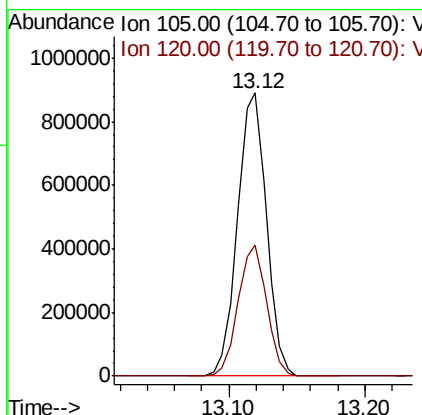
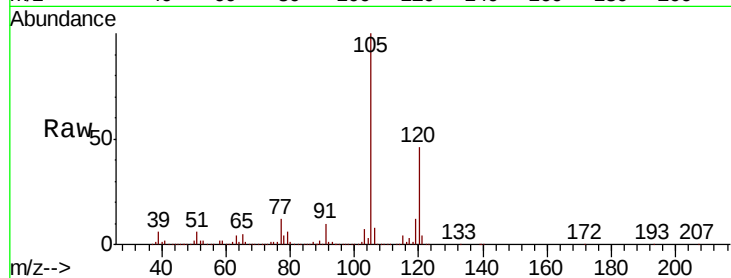
#84
 1,2,4-Trimethylbenzene
 Concen: 162.194 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VY000777.D
 Acq: 21 Nov 2019 18:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 WS-112019-0-1-GRAB-B2

Tot Ion:105 Resp: 1316728
 Ion Ratio Lower Upper
 105 100
 120 45.7 23.3 69.9

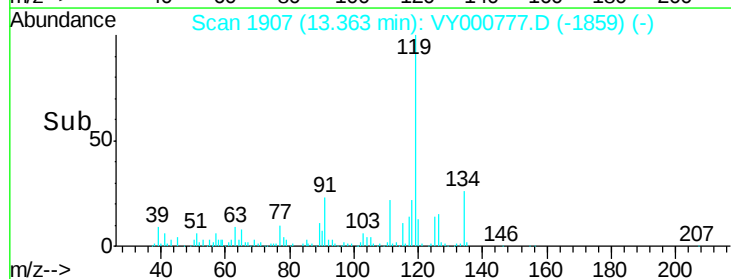
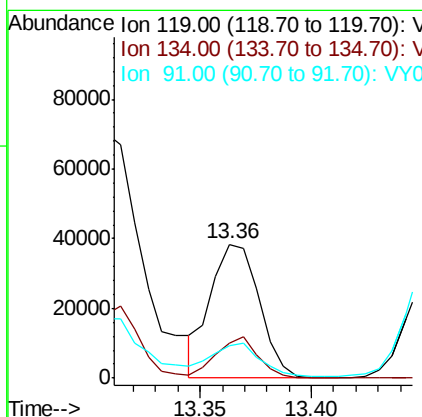
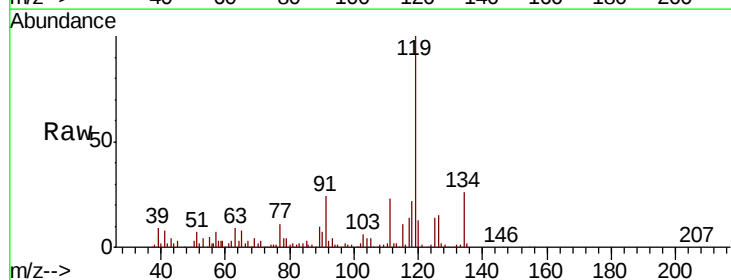
Manual Integrations
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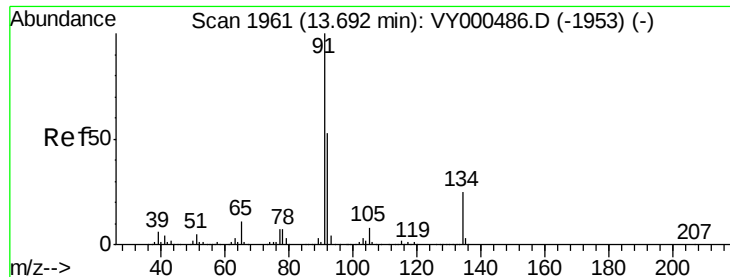
MMDadoda
 11/23/2019 6:11:12 AM



#86
 p-Isopropyltoluene
 Concen: 6.582 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.01 min
 Lab File: VY000777.D
 Acq: 21 Nov 2019 18:39

Tgt Ion:119 Resp: 58184
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.6 40.8
 91 25.1 12.0 36.1





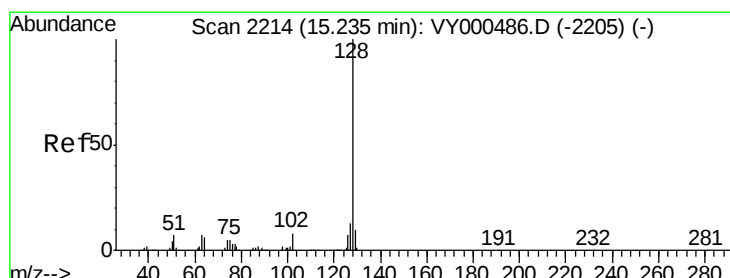
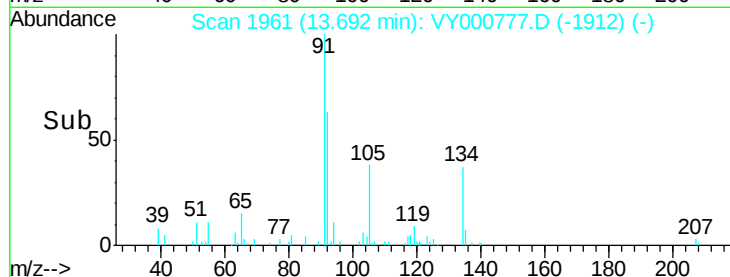
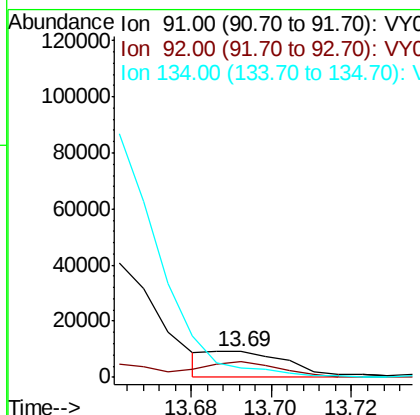
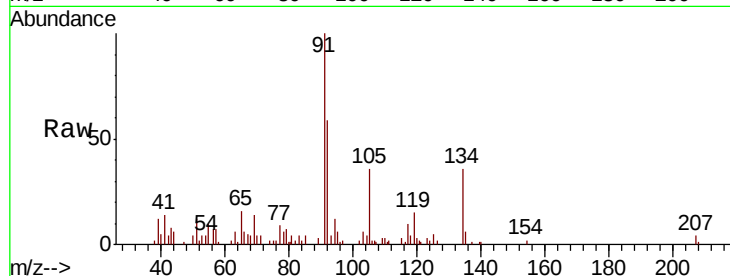
#89
n-Butylbenzene
Concen: 1.466 ug/l m
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY000777.D
Acq: 21 Nov 2019 18:39

Instrument :
MSVOA_Y
ClientSampleId :
WS-112019-0-1-GRAB-B2

Tot Ion	Ratio	Lower	Upper
91	100		
92	268.7	26.8	80.3#
134	92.1	12.9	38.7#

Manual Integrations
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11/23/2019 6:11:12 AM



#95
Naphthalene
Concen: 3519.507 ug/l
RT: 15.23 min Scan# 2213
Delta R.T. -0.01 min
Lab File: VY000777.D
Acq: 21 Nov 2019 18:39

Tgt Ion	Ratio	Lower	Upper
128	100		
127	18.8	9.8	14.6#
129	16.5	8.7	13.1#

