

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071219\
 Data File : VX010842.D
 Acq On : 12 Jul 2019 17:36
 Operator : JC/SP
 Sample : K3786-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0597

Manual Integrations
 APPROVED

MMDadoda
 7/15/2019 11:00:52 AM

Quant Time: Jul 13 04:20:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	225541	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	348734	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	326880	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	174888	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	112496	53.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.40%	
35) Dibromofluoromethane	5.50	113	104953	49.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.38%	
50) Toluene-d8	8.71	98	428594	52.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.00%	
62) 4-Bromofluorobenzene	11.13	95	154016	52.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.52%	
Target Compounds						
					Qvalue	
16) Acetone	2.44	43	14059	13.266	ug/l	93
31) Cyclohexane	5.59	56	280152	91.717	ug/l	94
39) Methylcyclohexane	7.46	83	435988	119.688	ug/l	98
67) Ethyl Benzene	10.25	91	1014660	90.566	ug/l	98
68) m/p-Xylenes	10.36	106	2268894	522.656	ug/l	98
69) o-Xylene	10.69	106	629132	147.370	ug/l	97
73) Isopropylbenzene	11.02	105	344263	29.039	ug/l	99
78) n-propylbenzene	11.36	91	441881	33.914	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	1247960	127.692	ug/l	99
83) tert-Butylbenzene	11.77	119	8332m	0.849	ug/l	
84) 1,2,4-Trimethylbenzene	11.80	105	3690578	375.859	ug/l	100
85) sec-Butylbenzene	11.94	105	68383m	5.937	ug/l	
86) p-Isopropyltoluene	12.06	119	81323	7.634	ug/l	99
95) Naphthalene	13.83	128	663296	54.195	ug/l	99

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

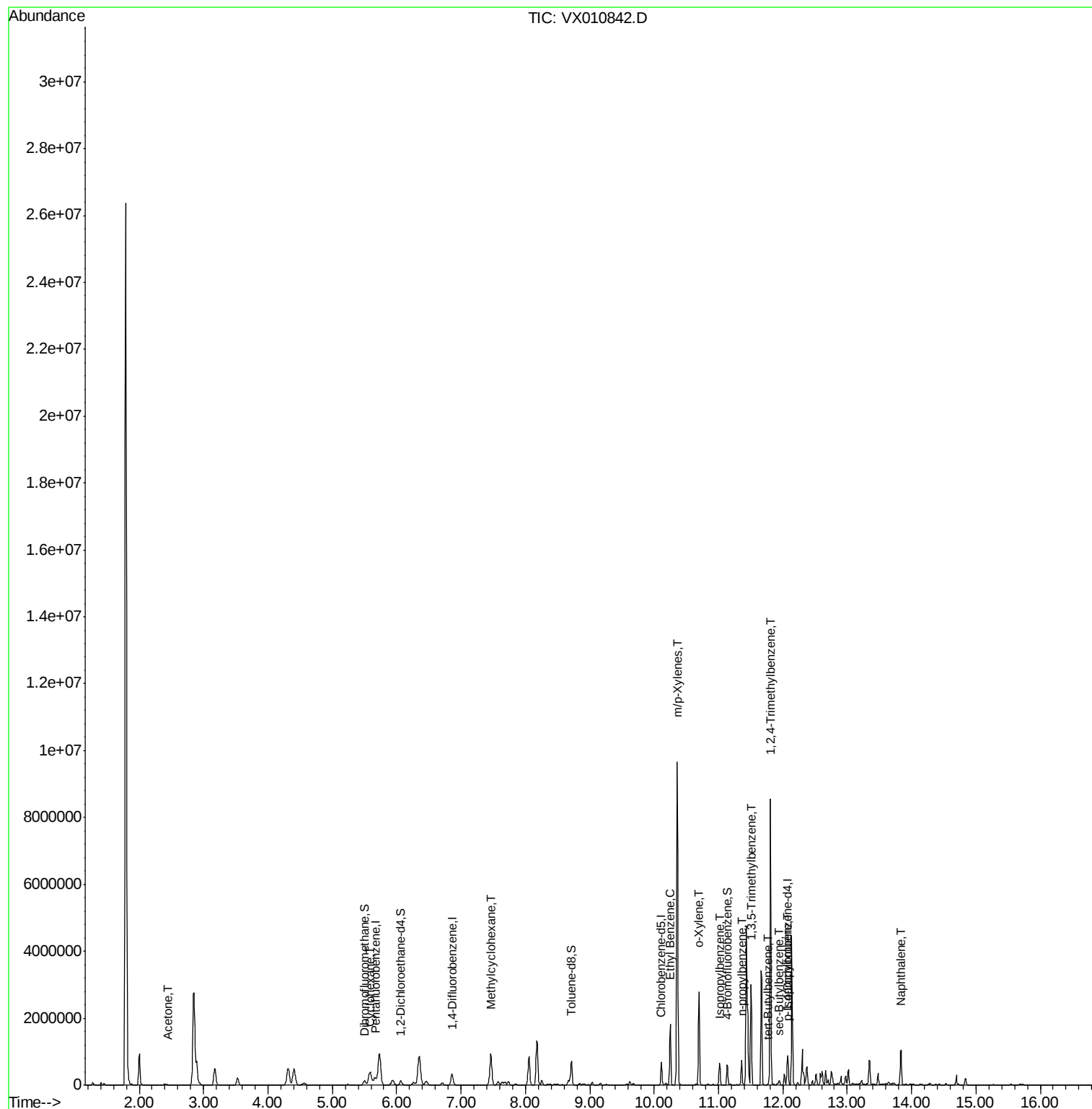
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX071219\
Data File : VX010842.D
Acq On : 12 Jul 2019 17:36
Operator : JC/SP
Sample : K3786-07
Misc : 5.0mL/MSVOA X/WATER
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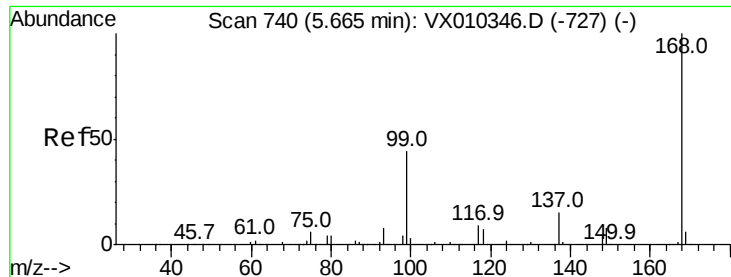
Instrument :
MSVOA_X
ClientSampleId :
FL-0597

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7/15/2019 11:00:52 AM

Quant Time: Jul 13 04:20:18 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010842.D

Acq: 12 Jul 2019 17:36

Instrument :

MSVOA_X

ClientSampled :

FL-0597

Tot Ion:168 Resp: 225541

Ion Ratio Lower Upper

168 100

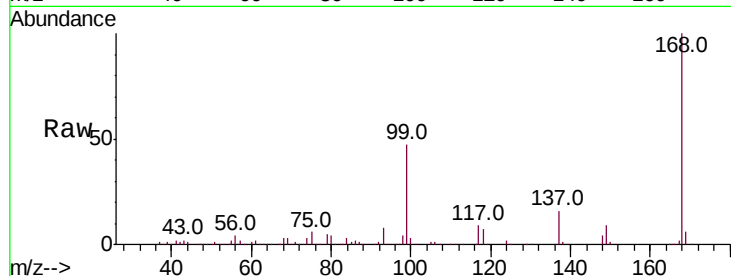
99 47.1 35.5 53.3

Manual Integrations

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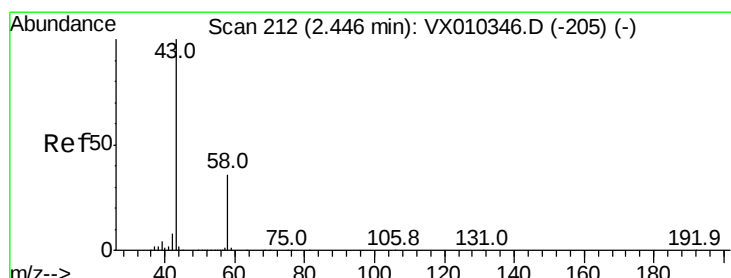
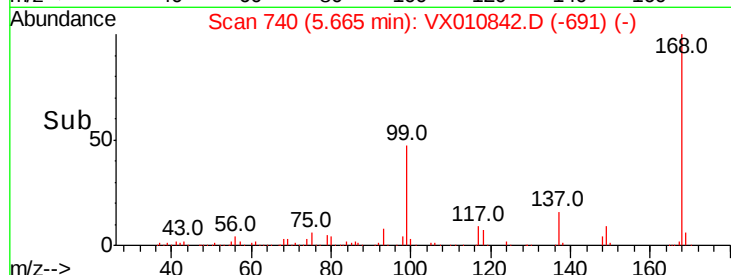
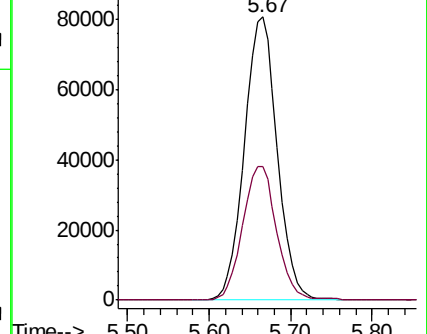
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7/15/2019 11:00:52 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 13.266 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010842.D

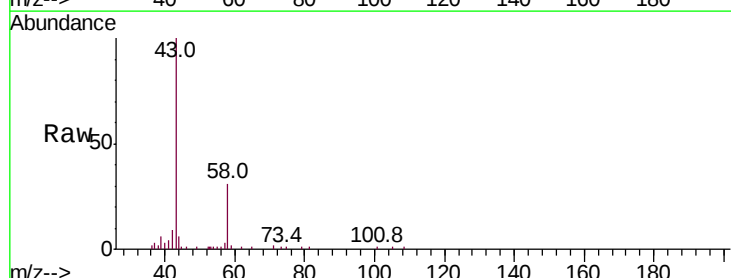
Acq: 12 Jul 2019 17:36

Tgt Ion: 43 Resp: 14059

Ion Ratio Lower Upper

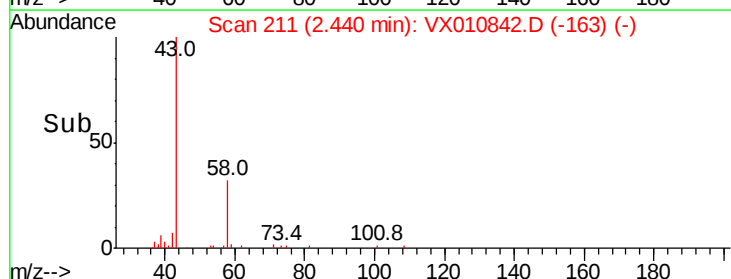
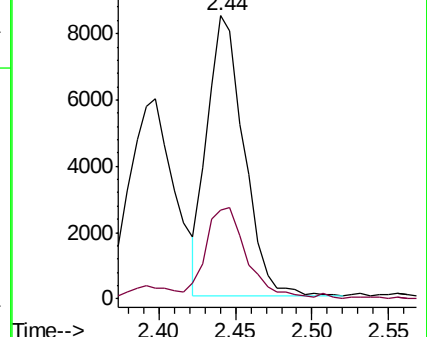
43 100

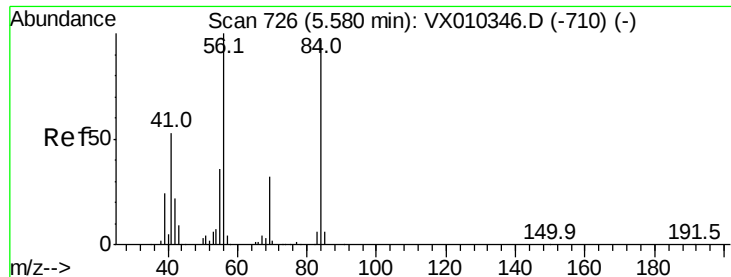
58 31.7 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





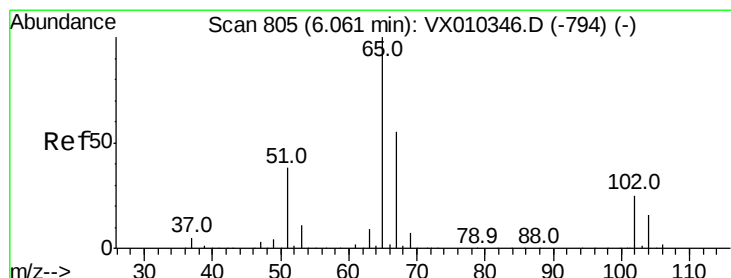
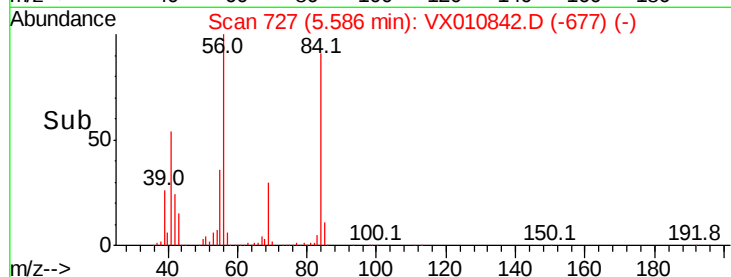
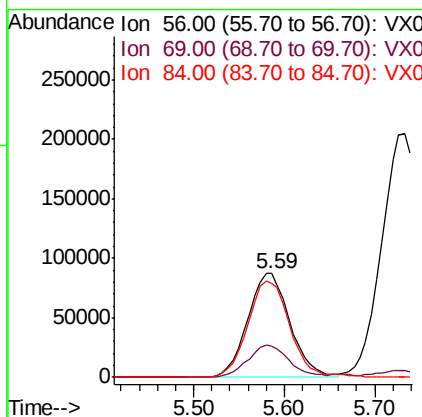
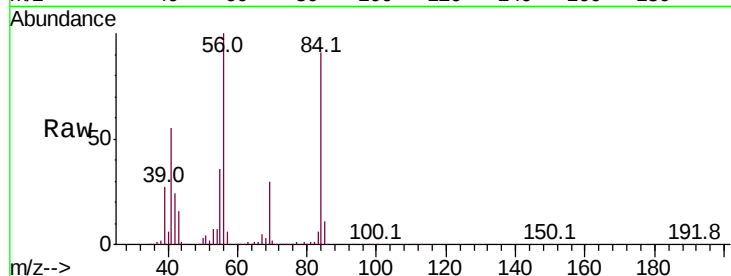
#31
Cyclohexane
Concen: 91.717 ug/l
RT: 5.59 min Scan# 727
Delta R.T. 0.01 min
Lab File: VX010842.D
Acq: 12 Jul 2019 17:36

Instrument :
MSVOA_X
ClientSampled :
FL-0597

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.3	25.9	38.9
84	91.0	78.0	117.0

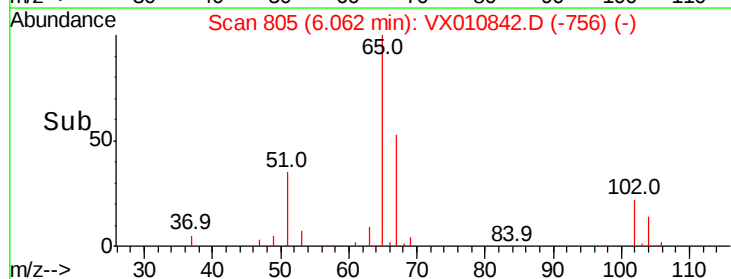
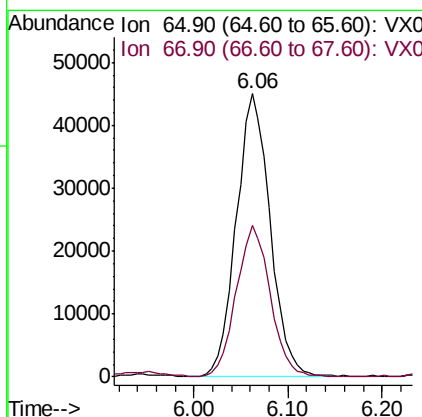
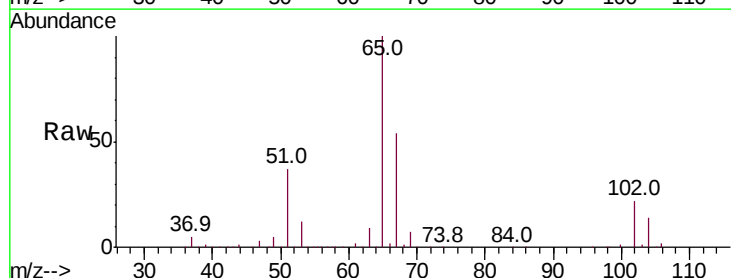
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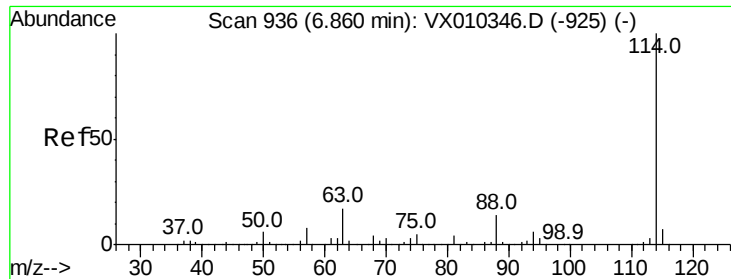
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#33
1,2-Dichloroethane-d4
Concen: 53.198 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX010842.D
Acq: 12 Jul 2019 17:36

Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	110.2





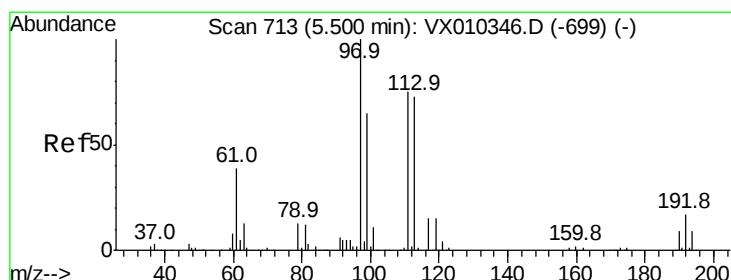
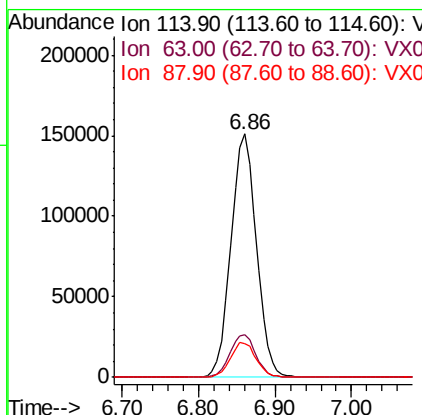
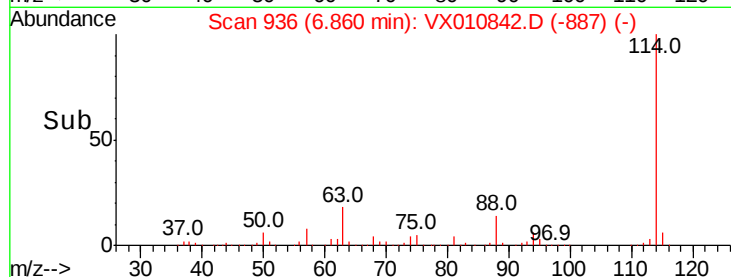
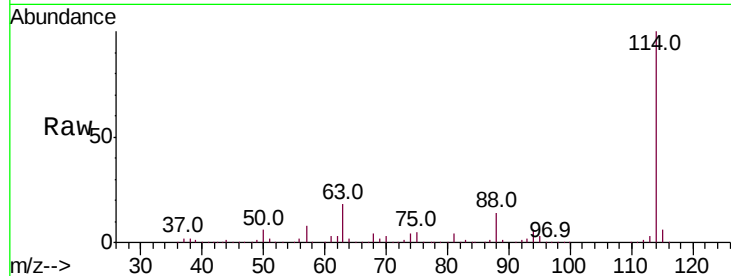
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010842.D
 Acq: 12 Jul 2019 17:36

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0597

Tot Ion	Ratio	Resp	Lower	Upper
114	100	348734		
63	17.7	0.0	33.8	
88	13.8	0.0	27.6	

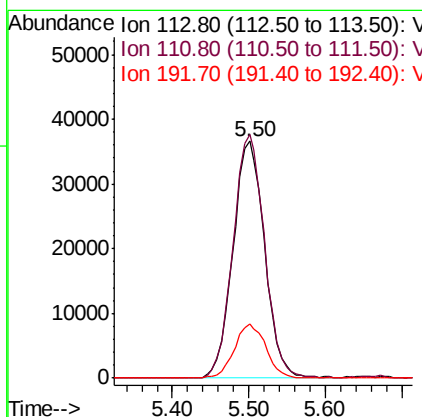
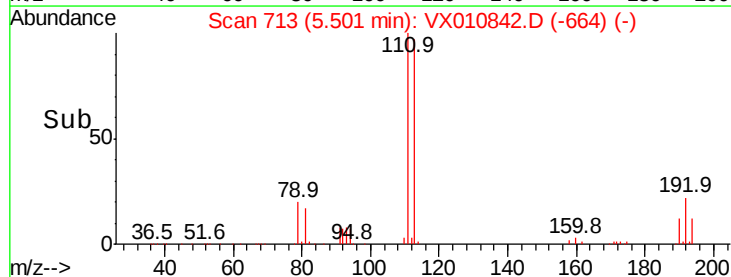
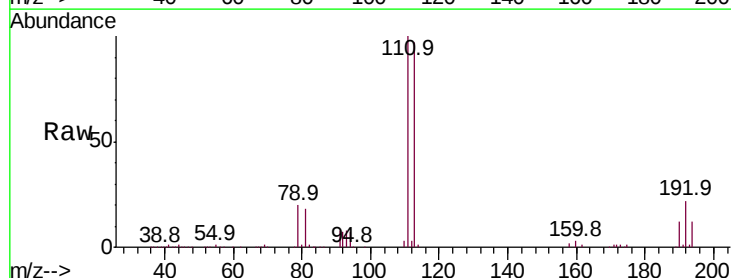
Manual Integrations
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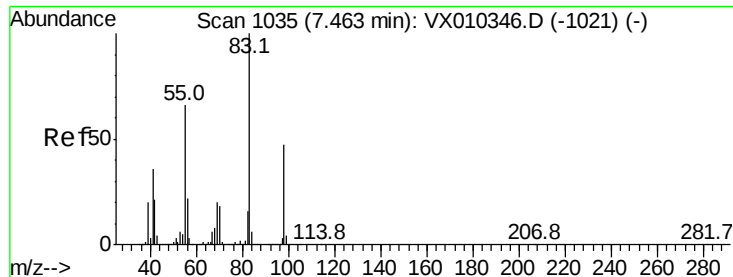
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 7/15/2019 11:00:52 AM



#35
 Dibromofluoromethane
 Concen: 49.189 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010842.D
 Acq: 12 Jul 2019 17:36

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	104953		
111	102.4	81.2	121.8	
192	22.5	18.6	27.8	





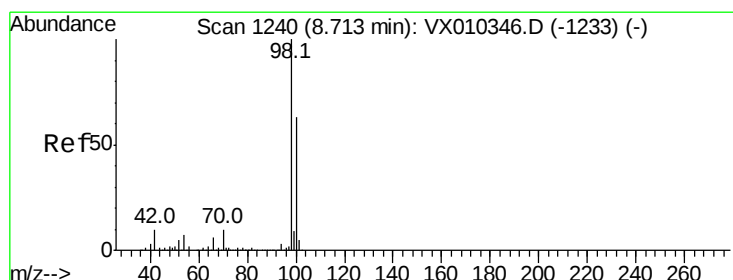
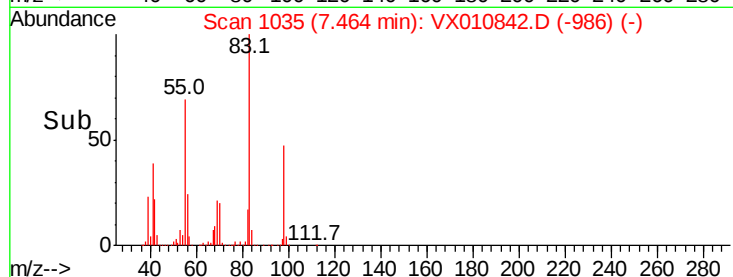
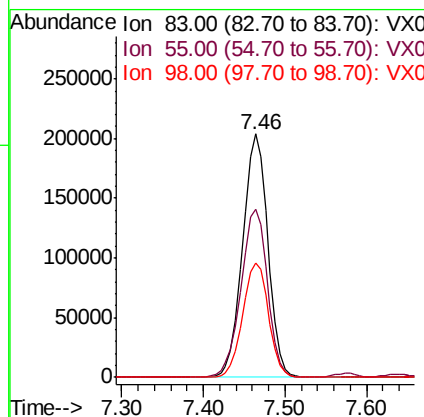
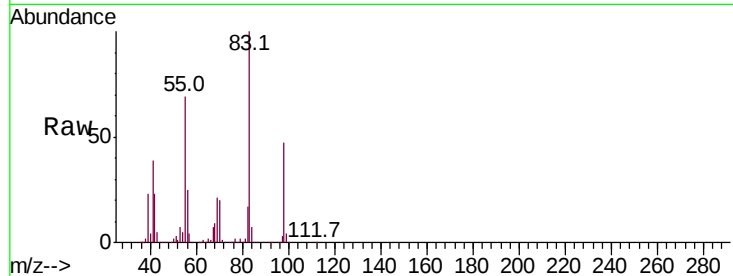
#39
Methvlcvclohexane
Concen: 119.688 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010842.D
Acq: 12 Jul 2019 17:36

Instrument :
MSVOA_X
ClientSampleId :
FL-0597

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.1	53.0	79.6
98	47.2	37.8	56.8

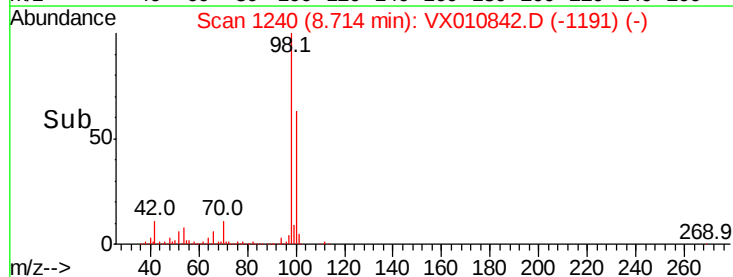
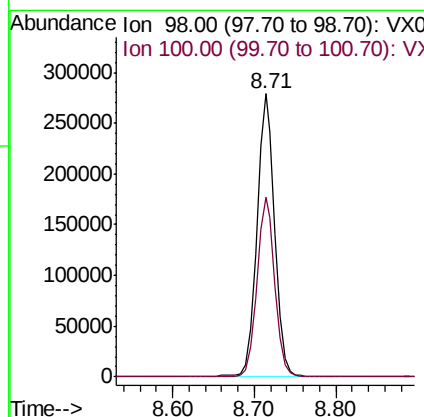
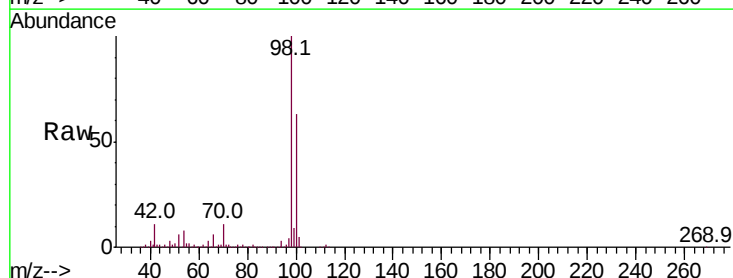
Manual Integrations
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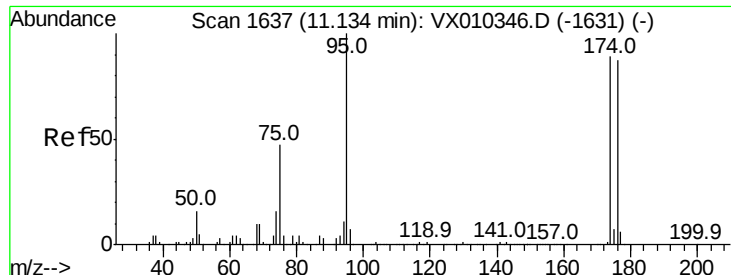
MMDadoda
7/15/2019 11:00:52 AM



#50
Toluene-d8
Concen: 52.504 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010842.D
Acq: 12 Jul 2019 17:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.6	77.4





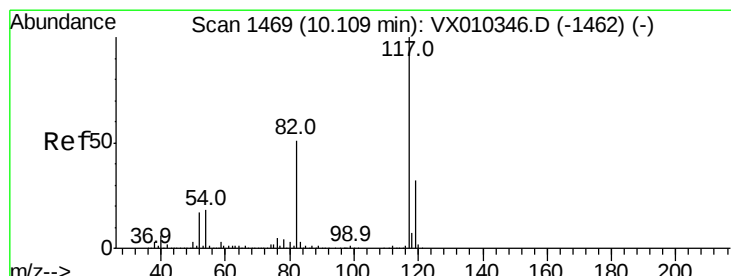
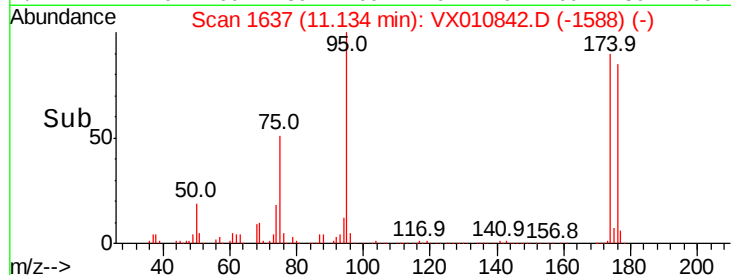
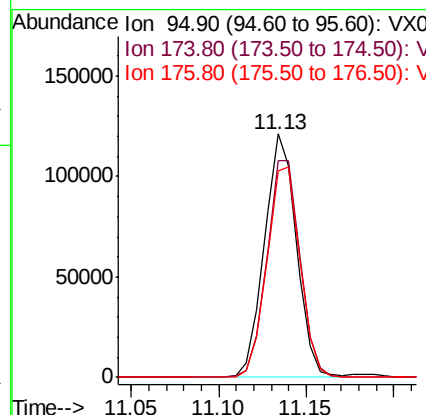
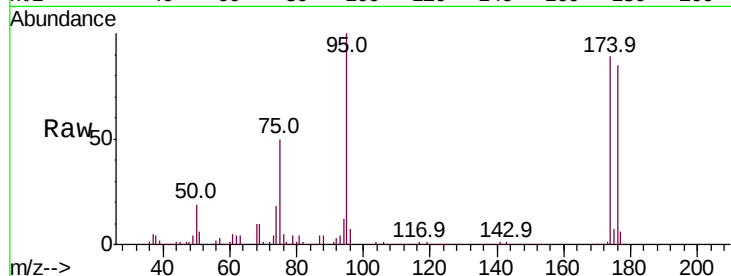
#62
4-Bromofluorobenzene
Concen: 52.260 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010842.D
Acq: 12 Jul 2019 17:36

Instrument :
MSVOA_X
ClientSampleId :
FL-0597

Tot Ion	Ratio	Resp	Lower	Upper
95	100			
174	92.9	0.0	187.6	
176	89.4	0.0	184.0	

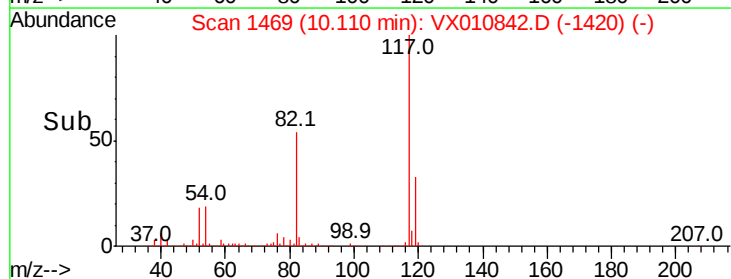
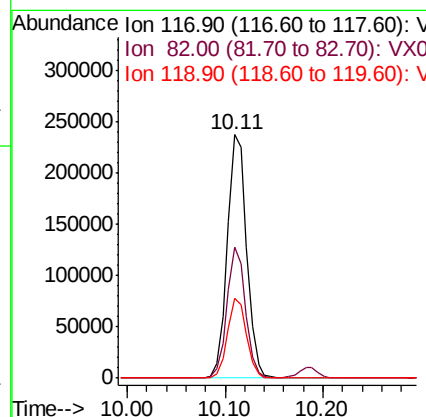
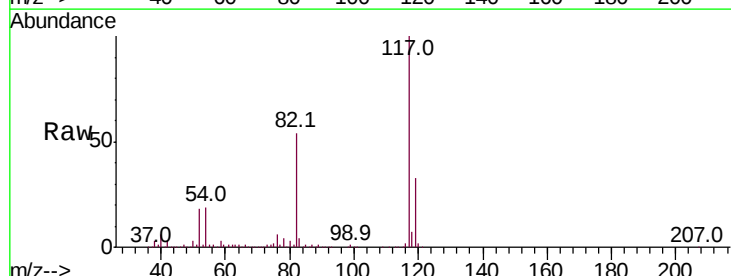
Manual Integrations
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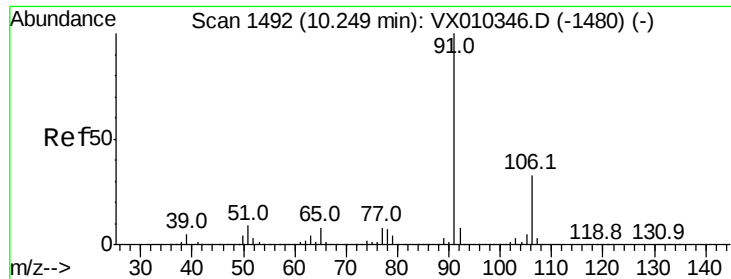
MMDadoda
7/15/2019 11:00:52 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010842.D
Acq: 12 Jul 2019 17:36

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
82	53.6	41.2	61.8	
119	32.6	25.5	38.3	





#67

Ethyl Benzene

Concen: 90.566 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX010842.D

Acq: 12 Jul 2019 17:36

Instrument :

MSVOA_X

ClientSampleId :

FL-0597

Tot Ion: 91 Resp: 1014660

Ion Ratio Lower Upper

91 100

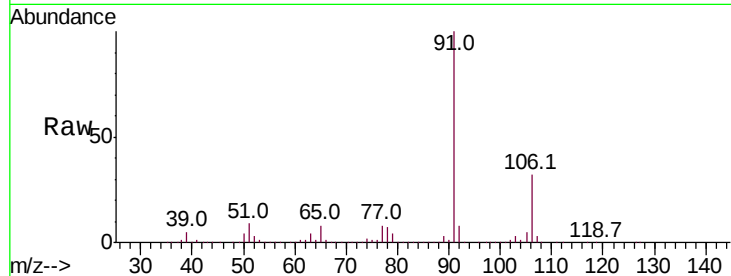
106 31.8 26.2 39.2

Manual Integrations

APPROVED

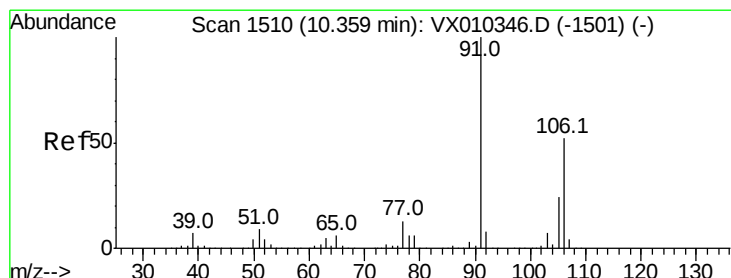
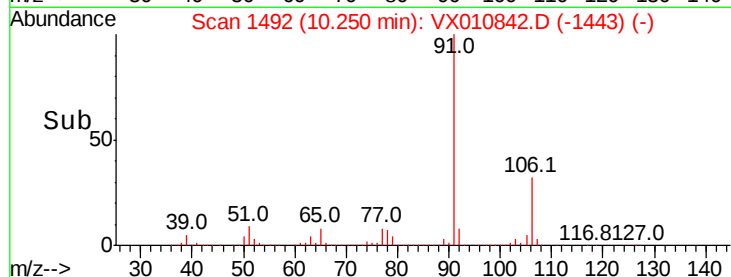
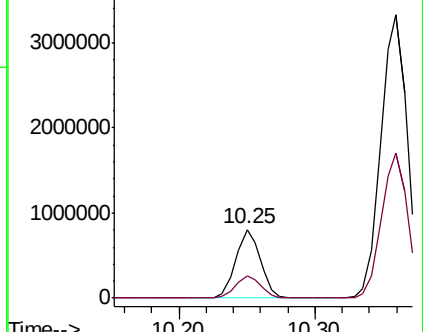
MMDadoda

7/15/2019 11:00:52 AM



Abundance Ion 91.00 (90.70 to 91.70): VX010346.D (-1480) (-)

Ion 106.00 (105.70 to 106.70): VX010346.D (-1480) (-)



#68

m/p-Xylenes

Concen: 522.656 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX010842.D

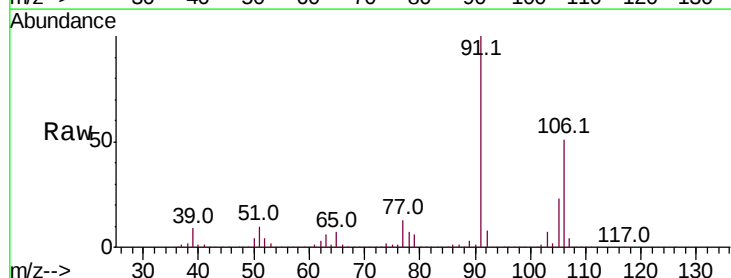
Acq: 12 Jul 2019 17:36

Tgt Ion: 106 Resp: 2268894

Ion Ratio Lower Upper

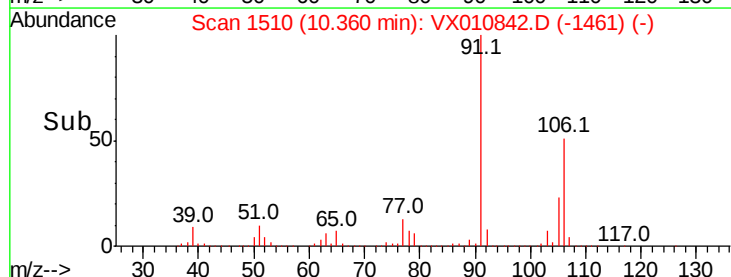
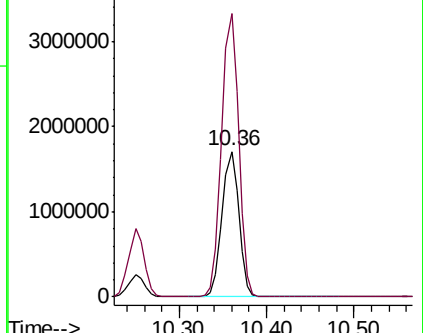
106 100

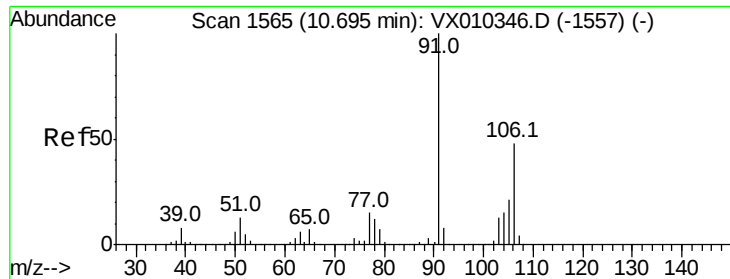
91 197.7 155.3 232.9



Abundance Ion 106.00 (105.70 to 106.70): VX010346.D (-1501) (-)

Ion 91.00 (90.70 to 91.70): VX010346.D (-1501) (-)





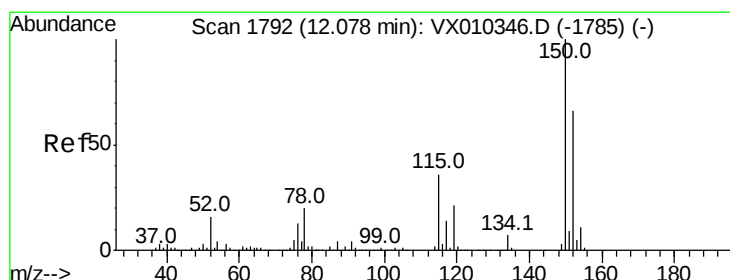
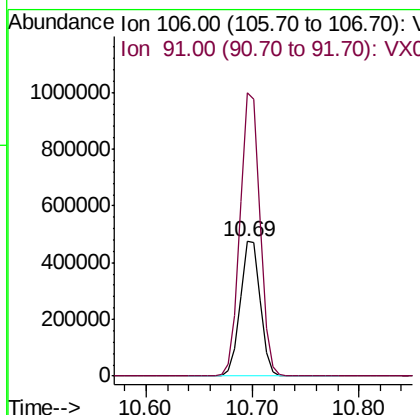
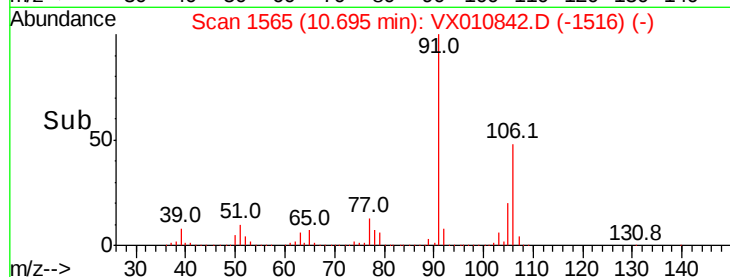
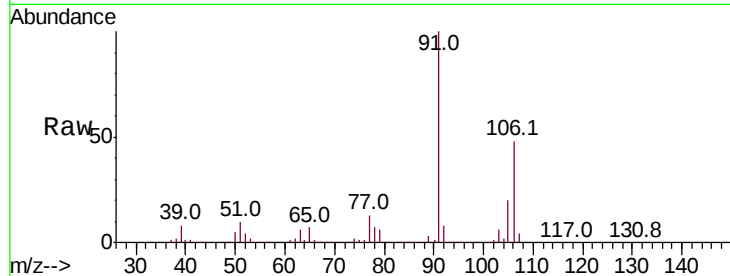
#69
o-Xylene
Concen: 147.370 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010842.D
Acq: 12 Jul 2019 17:36

Instrument :
MSVOA_X
ClientSampled :
FL-0597

Tot Ion:106 Resp: 629132
Ion Ratio Lower Upper
106 100
91 209.7 102.7 308.1

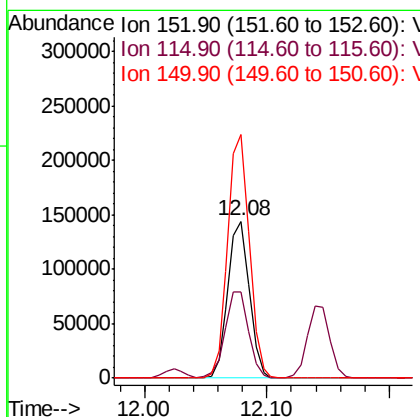
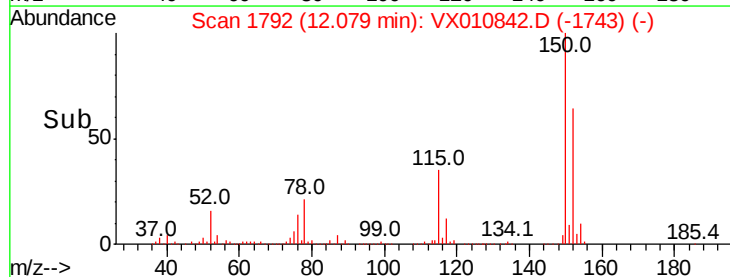
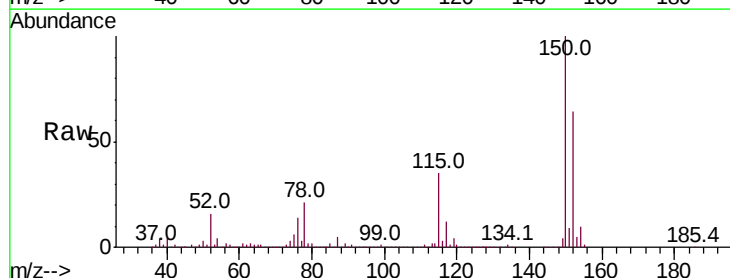
Manual Integrations
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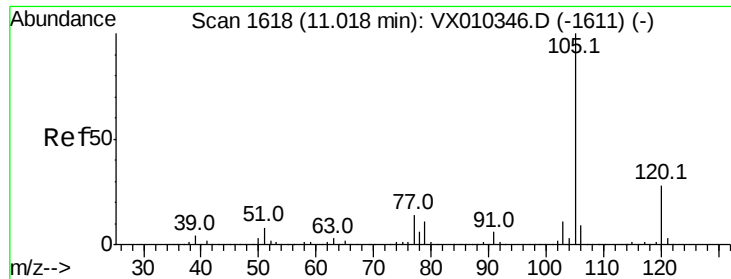
MMDadoda
7/15/2019 11:00:52 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010842.D
Acq: 12 Jul 2019 17:36

Tgt Ion:152 Resp: 174888
Ion Ratio Lower Upper
152 100
115 59.3 38.6 115.7
150 155.6 0.0 347.4





#73

Isopropylbenzene

Concen: 29.039 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010842.D

Acq: 12 Jul 2019 17:36

Instrument :

MSVOA_X

ClientSampleId :

FL-0597

Tot Ion: 105 Resp: 344263

Ion Ratio Lower Upper

105 100

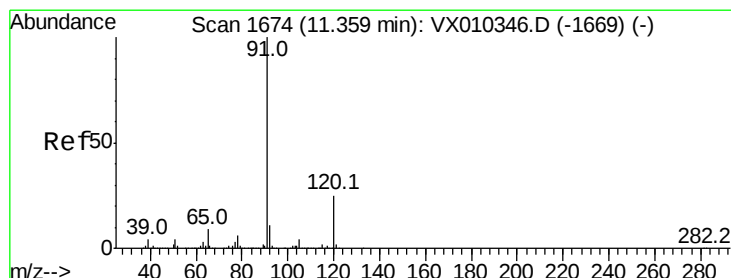
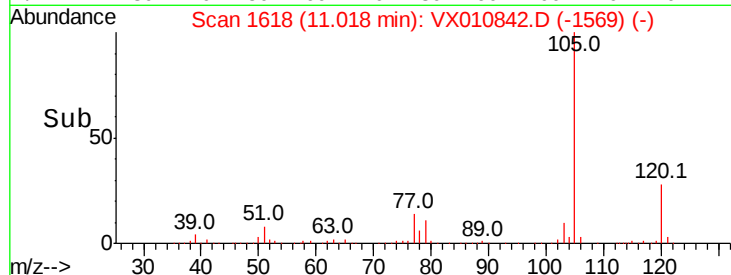
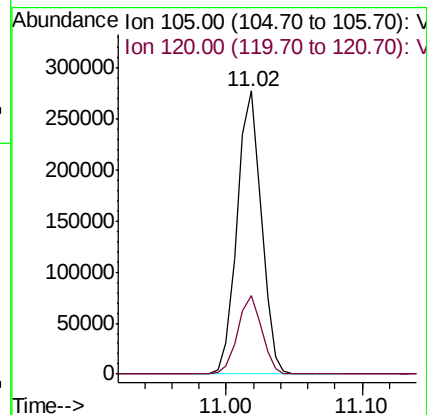
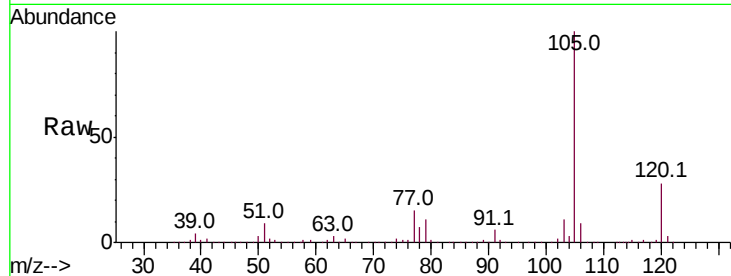
120 27.6 14.1 42.4

Manual Integrations

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#78

n-propylbenzene

Concen: 33.914 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010842.D

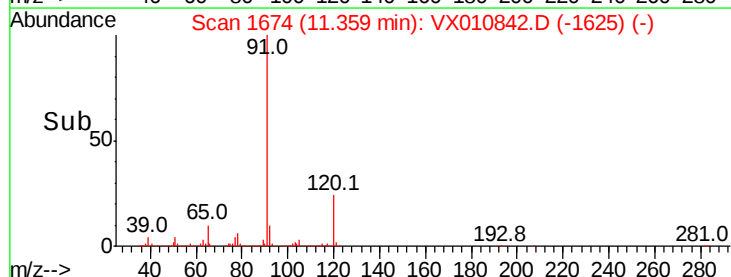
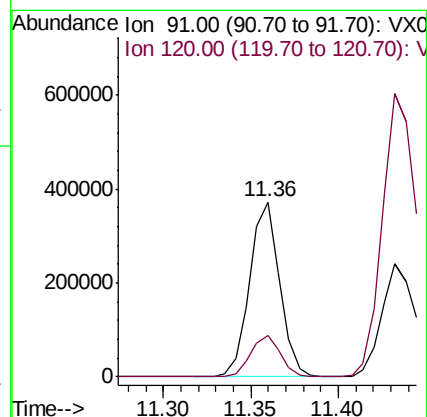
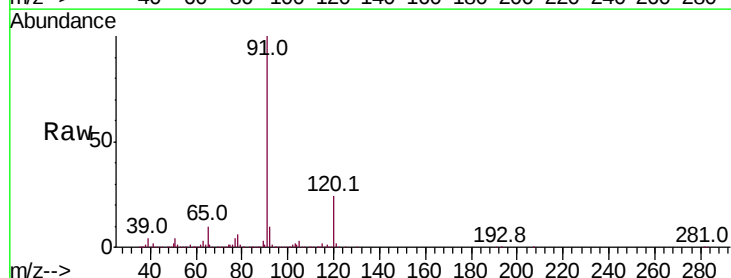
Acq: 12 Jul 2019 17:36

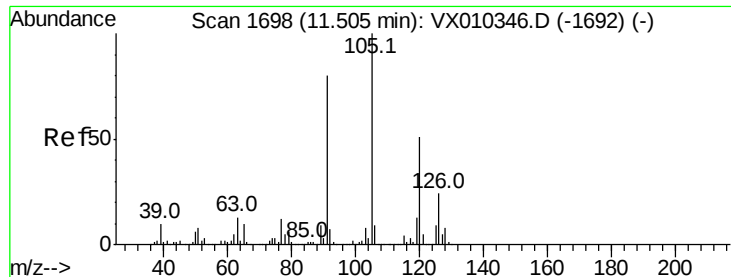
Tgt Ion: 91 Resp: 441881

Ion Ratio Lower Upper

91 100

120 24.0 12.4 37.4





#80

1,3,5-Trimethylbenzene

Concen: 127.692 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010842.D

Acq: 12 Jul 2019 17:36

Instrument :

MSVOA_X

ClientSampled :

FL-0597

Tot Ion:105 Resp: 1247960

Ion Ratio Lower Upper

105 100

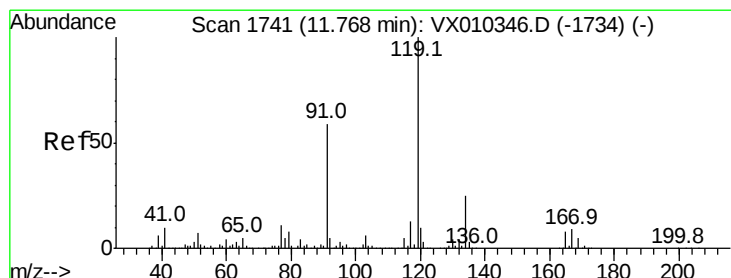
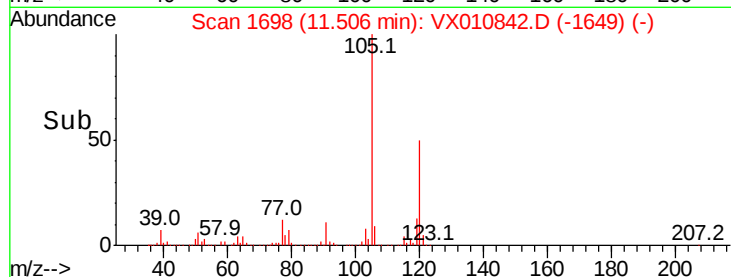
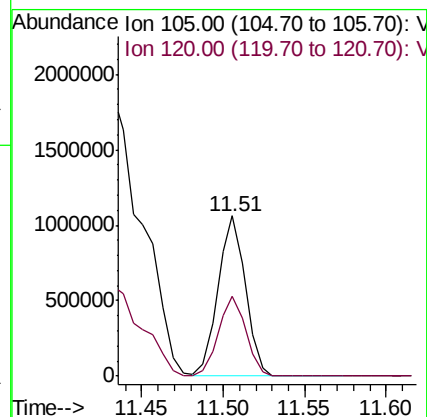
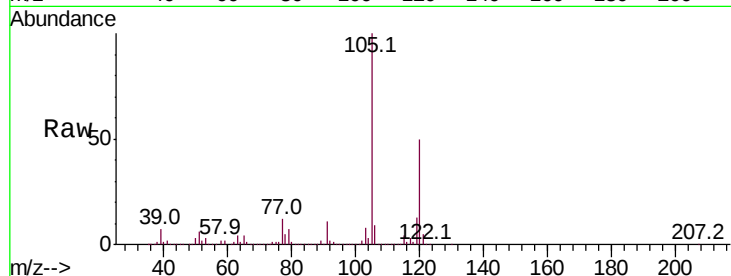
120 49.8 25.2 75.6

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#83

tert-Butylbenzene

Concen: 0.849 ug/l m

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX010842.D

Acq: 12 Jul 2019 17:36

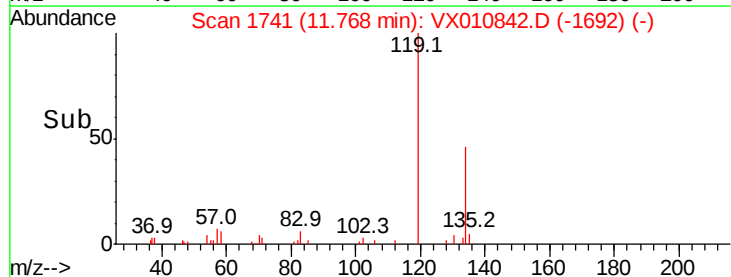
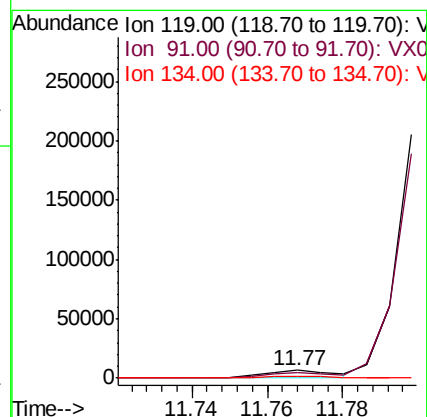
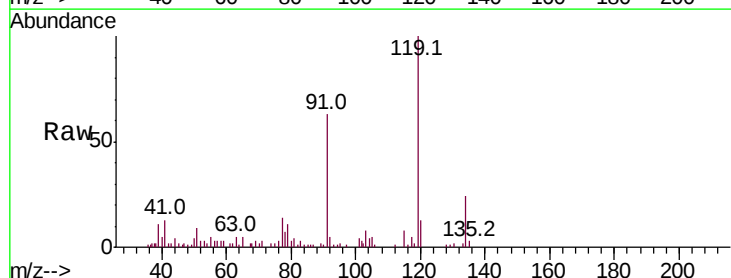
Tgt Ion:119 Resp: 8332

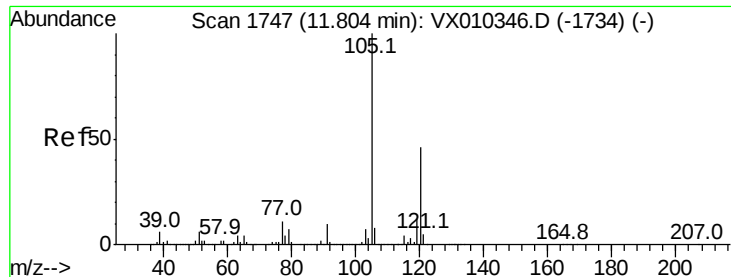
Ion Ratio Lower Upper

119 100

91 4846.8 27.6 82.7#

134 0.0 11.8 35.4#





#84

1,2,4-Trimethylbenzene

Concen: 375.859 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX010842.D

Acq: 12 Jul 2019 17:36

Instrument :

MSVOA_X

ClientSampleId :

FL-0597

Tot Ion:105 Resp: 3690578

Ion Ratio Lower Upper

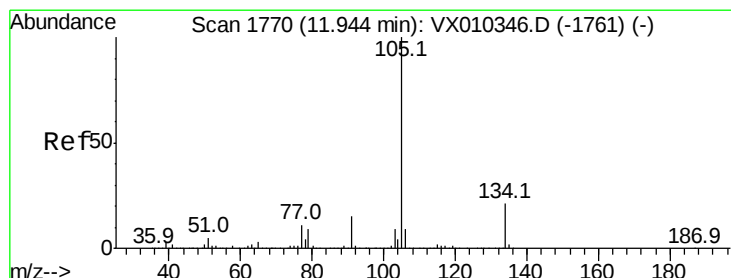
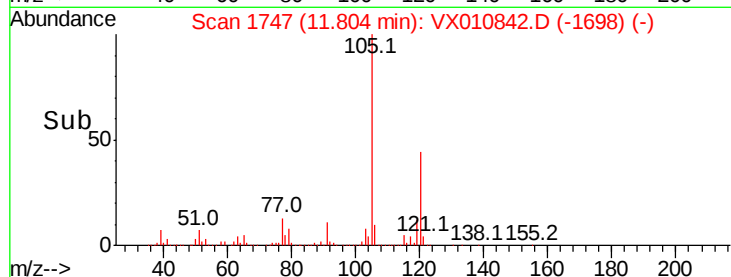
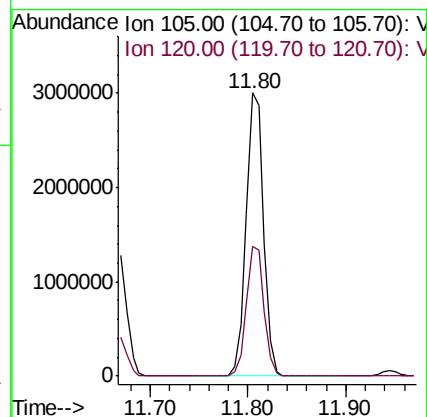
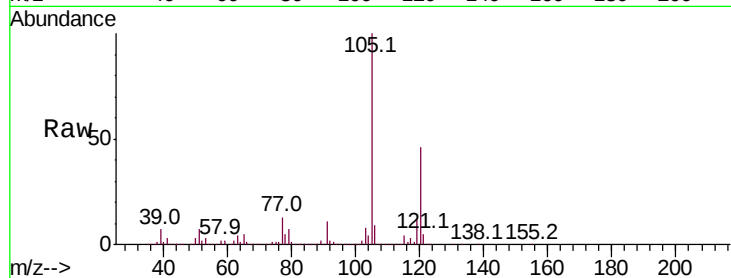
105 100

120 46.1 23.1 69.2

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#85

sec-Butylbenzene

Concen: 5.937 ug/l m

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010842.D

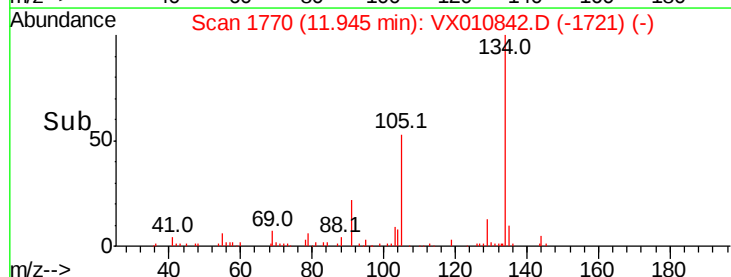
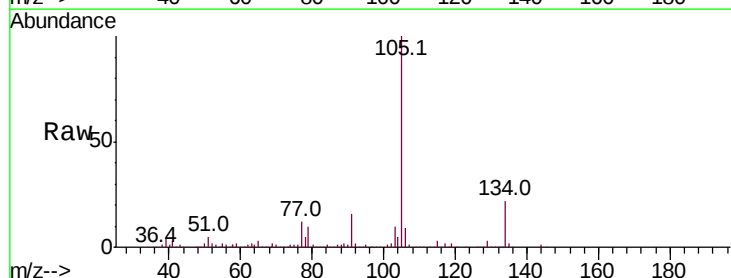
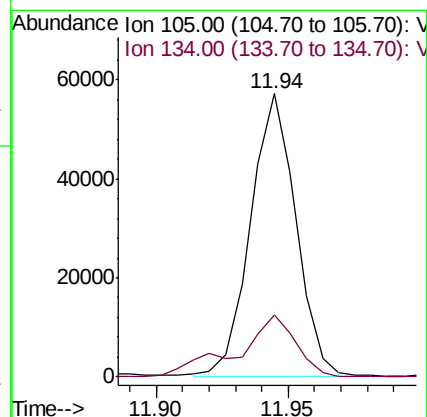
Acq: 12 Jul 2019 17:36

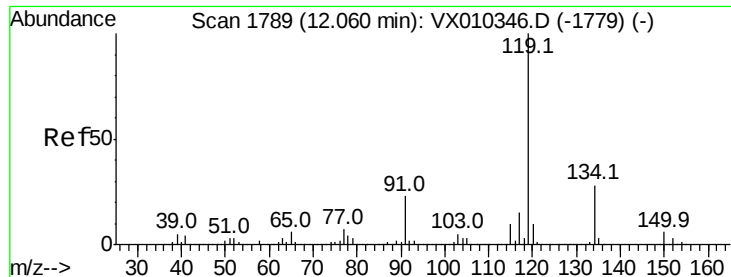
Tgt Ion:105 Resp: 68383

Ion Ratio Lower Upper

105 100

134 0.0 10.7 31.9#





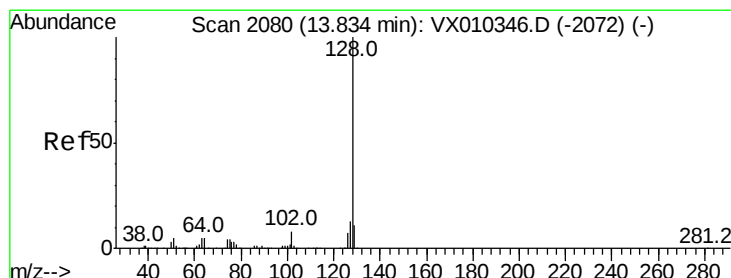
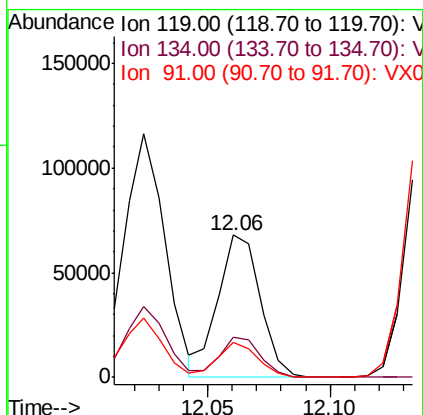
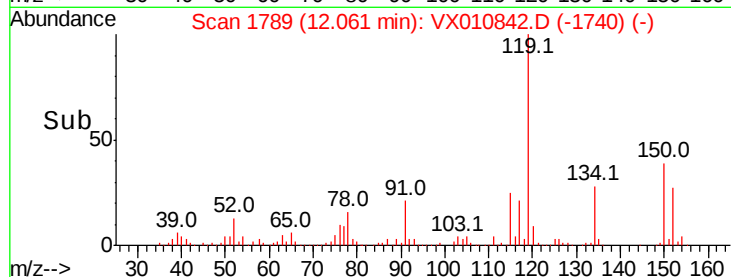
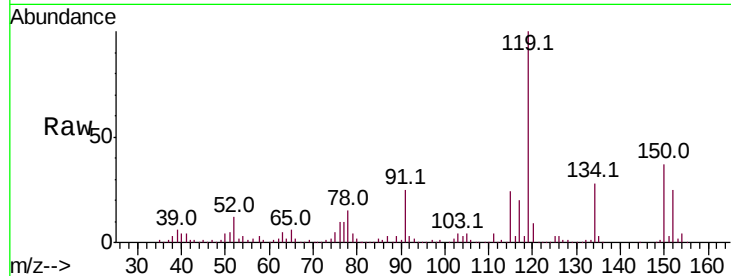
#86
p-Isopropyltoluene
Concen: 7.634 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX010842.D
Acq: 12 Jul 2019 17:36

Instrument :
MSVOA_X
ClientSampled :
FL-0597

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.5	13.7	41.1
91	23.3	11.3	33.8

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#95
Naphthalene
Concen: 54.195 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010842.D
Acq: 12 Jul 2019 17:36

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.4
129	11.0	8.9	13.3

