

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092818\
 Data File : VU027272.D
 Acq On : 28 Sep 2018 15:28
 Operator : MD/SY
 Sample : J5041-03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0251

Manual Integrations
 APPROVED

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 10/2/2018 1:07:57 PM

Quant Time: Oct 02 07:07:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	115284	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	191022	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	183137	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	95446	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	104878	45.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.40%	
35) Dibromofluoromethane	4.89	113	76161	46.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.00%	
50) Toluene-d8	7.57	98	322104	51.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.08%	
62) 4-Bromofluorobenzene	10.31	95	107753	49.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.52%	
Target Compounds						
					Qvalue	
31) Cyclohexane	5.00	56	1078337	314.862	ug/l	98
39) Methylcyclohexane	6.42	83	1147695	414.258	ug/l	99
40) Benzene	5.39	78	91788	11.843	ug/l	100
51) 4-Methyl-2-Pentanone	7.46	43	18428	5.444	ug/l	94
67) Ethyl Benzene	9.25	91	2549874	319.334	ug/l	99
68) m/p-Xylenes	9.38	106	20799m	7.836	ug/l	
73) Isopropylbenzene	10.17	105	548347	75.525	ug/l	100
78) n-propylbenzene	10.59	91	716338	83.384	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	611331	102.002	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	3778066	619.419	ug/l	100
85) sec-Butylbenzene	11.32	105	126775	17.527	ug/l	99
86) p-Isopropyltoluene	11.48	119	83595	13.016	ug/l	98
95) Naphthalene	13.74	128	1545931	190.718	ug/l	99

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

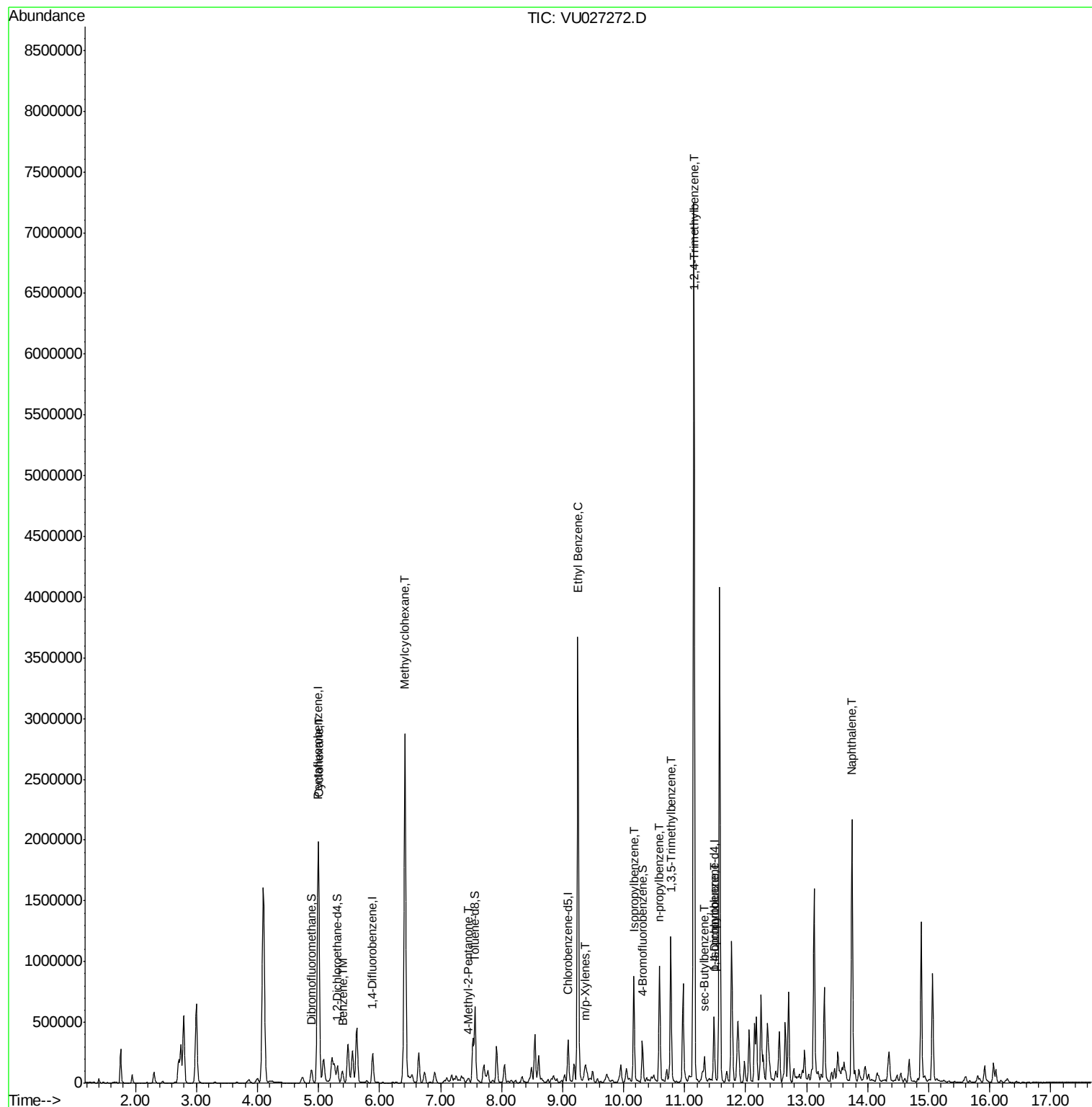
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092818\
Data File : VU027272.D
Acq On : 28 Sep 2018 15:28
Operator : MD/SY
Sample : J5041-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

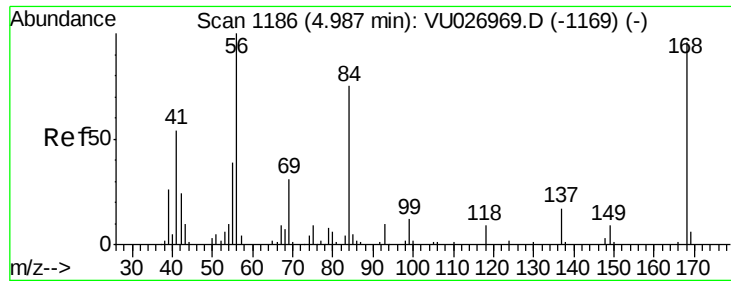
Instrument :
MSVOA_U
ClientSampleId :
S13-0251

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Quant Time: Oct 02 07:07:24 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
Quant Title : SW846 8260
QLast Update : Sat Sep 22 01:31:57 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.00 min

Lab File: VU027272.D

Acq: 28 Sep 2018 15:28

Instrument :

MSVOA_U

ClientSampled :

S13-0251

Tot Ion:168 Resp: 115284

Ion Ratio Lower Upper

168 100

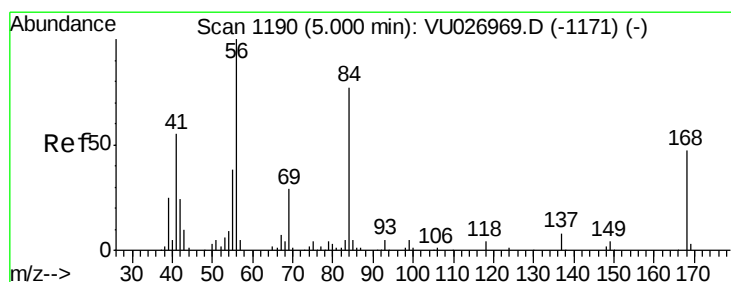
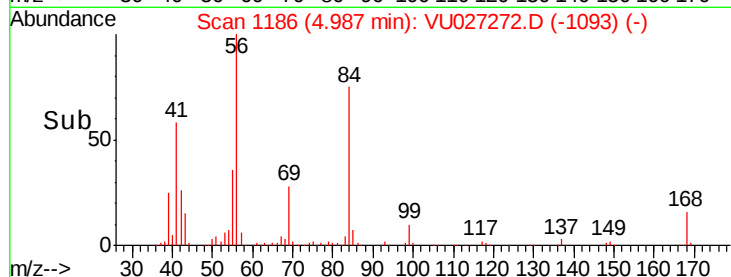
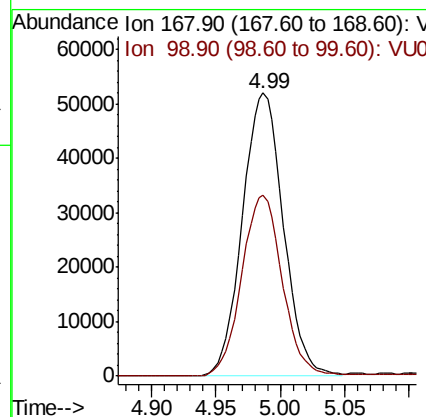
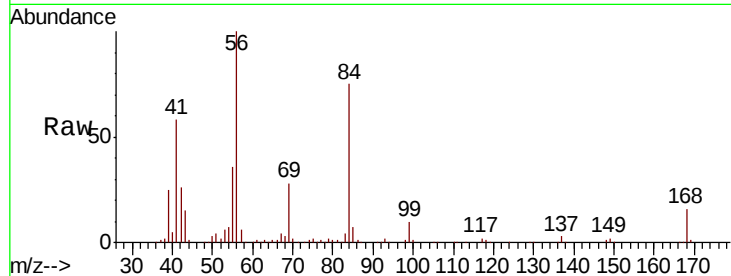
99 64.2 48.1 72.1

Manual Integrations

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#31

Cyclohexane

Concen: 314.862 ug/l

RT: 5.00 min Scan# 1190

Delta R.T. 0.00 min

Lab File: VU027272.D

Acq: 28 Sep 2018 15:28

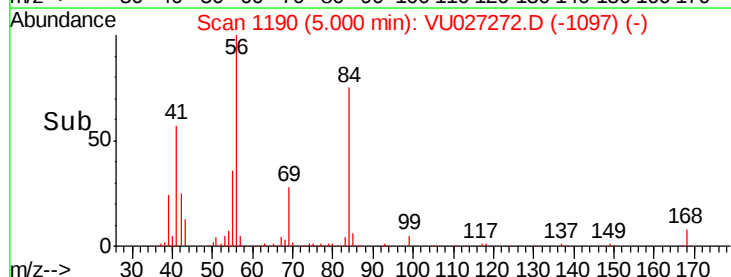
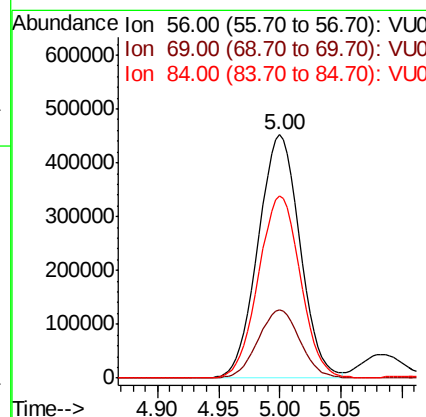
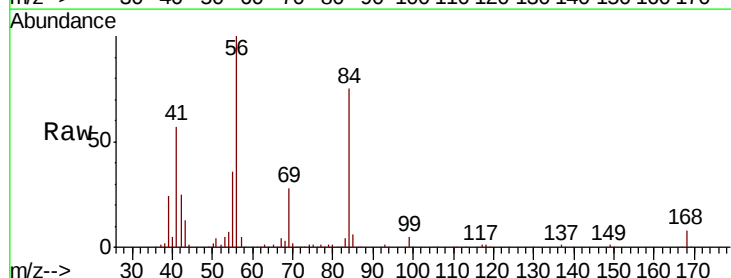
Tgt Ion: 56 Resp: 1078337

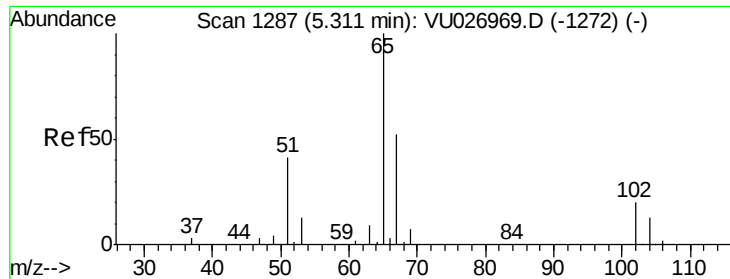
Ion Ratio Lower Upper

56 100

69 28.1 23.0 34.4

84 75.0 61.4 92.2





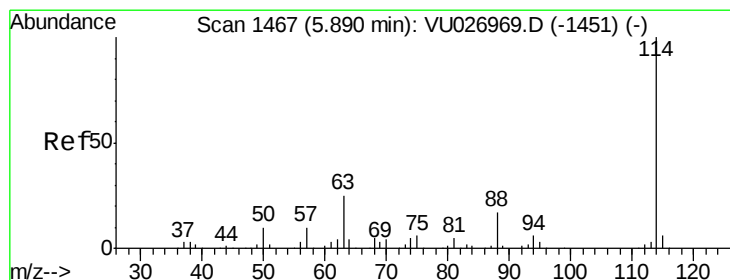
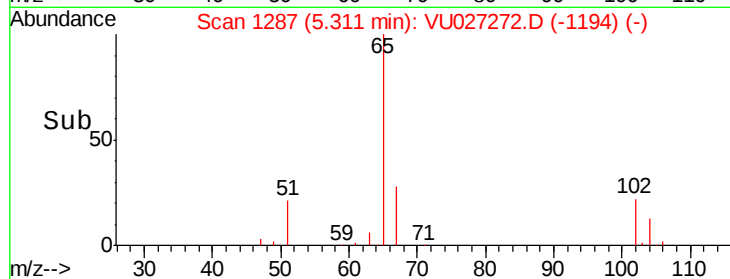
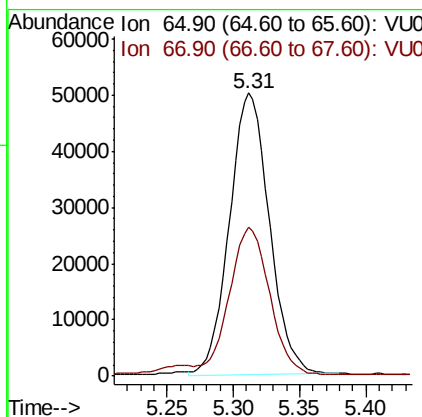
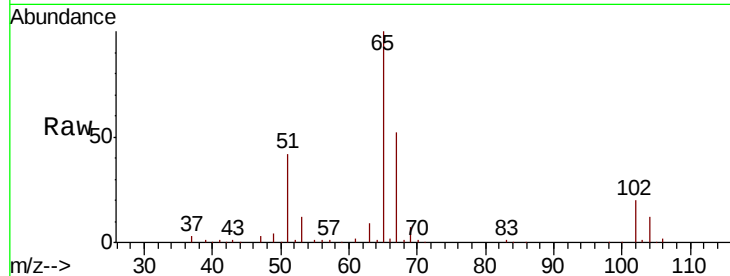
#33
 1,2-Dichloroethane-d4
 Concen: 45.201 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. -0.00 min
 Lab File: VU027272.D
 Acq: 28 Sep 2018 15:28

Instrument :
 MSVOA_U
 ClientSampled :
 S13-0251

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.9	0.0	104878	105.6

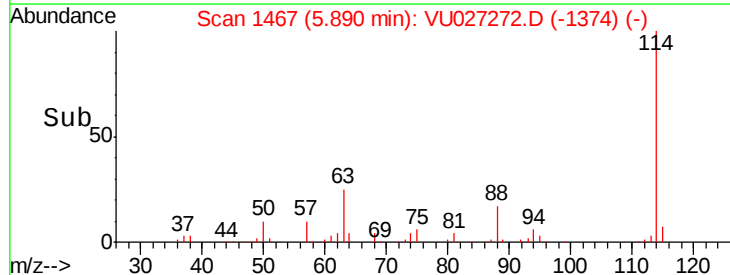
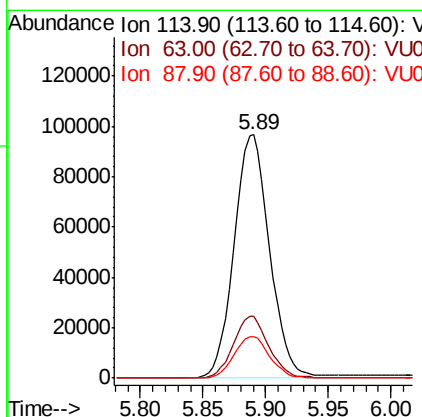
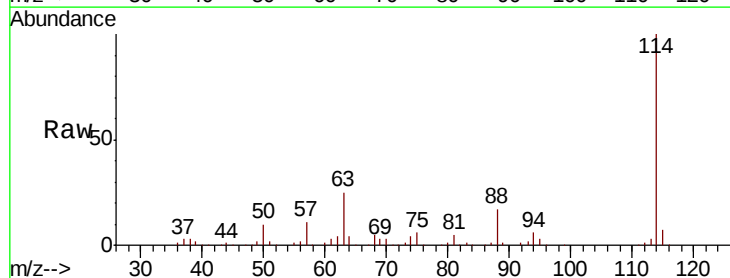
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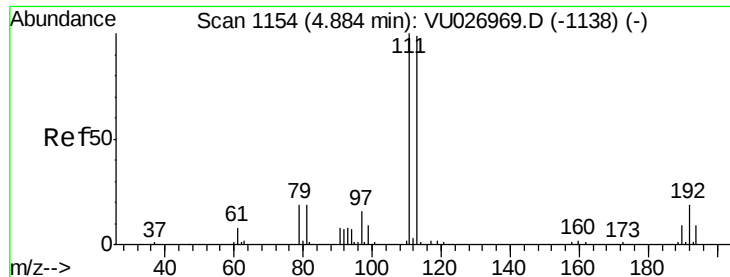
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. -0.00 min
 Lab File: VU027272.D
 Acq: 28 Sep 2018 15:28

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	25.2	0.0	191022	49.2
88	17.2	0.0	33.8	





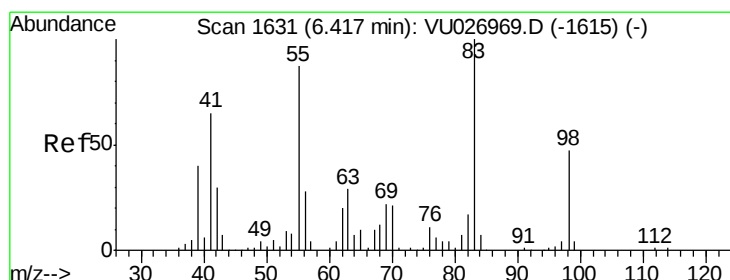
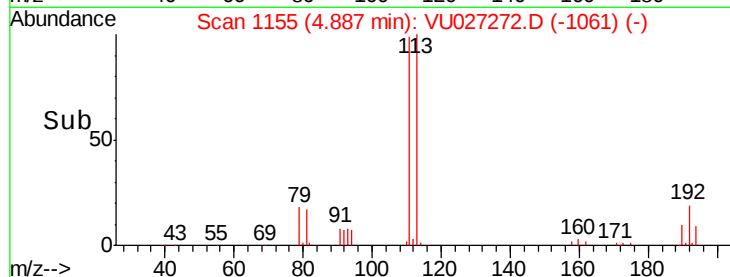
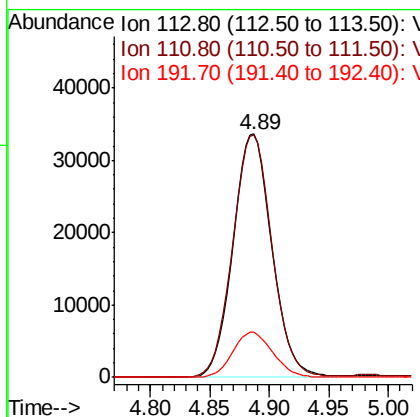
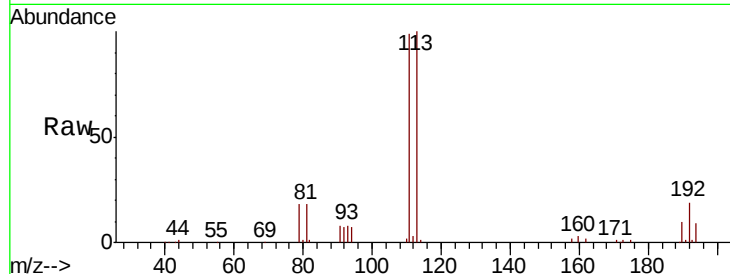
#35
Dibromofluoromethane
Concen: 45.997 ug/l
RT: 4.89 min Scan# 1155
Delta R.T. 0.00 min
Lab File: VU027272.D
Acq: 28 Sep 2018 15:28

Instrument :
MSVOA_U
ClientSampleId :
S13-0251

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.6	82.2	123.4
192	19.1	15.2	22.8

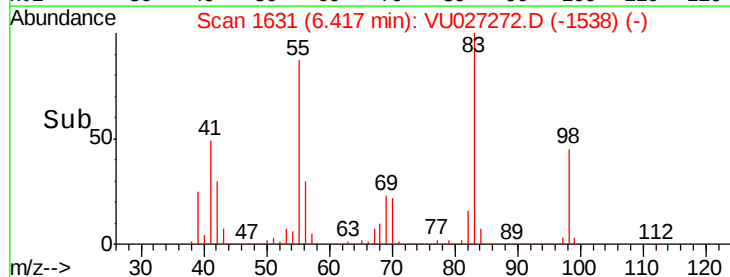
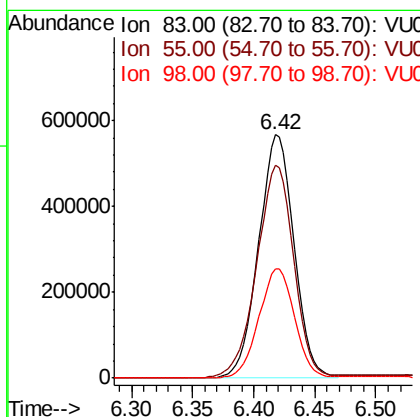
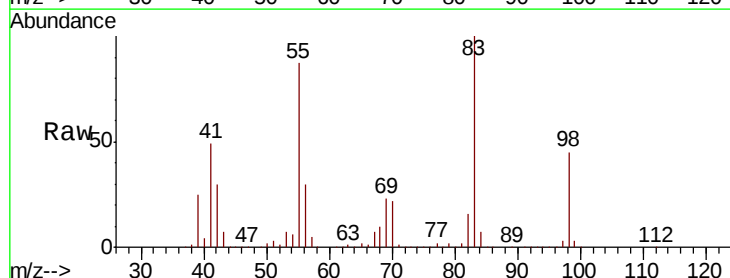
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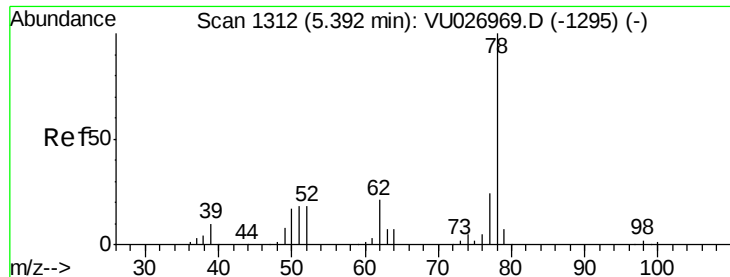
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#39
Methylcyclohexane
Concen: 414.258 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027272.D
Acq: 28 Sep 2018 15:28

Tgt Ion	Ratio	Lower	Upper
83	100		
55	87.3	69.9	104.9
98	45.1	37.5	56.3





#40

Benzene

Concen: 11.843 ug/l

RT: 5.39 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU027272.D

Acq: 28 Sep 2018 15:28

Instrument :

MSVOA_U

ClientSampleId :

S13-0251

Tot Ion: 78 Resp: 91788

Ion Ratio Lower Upper

78 100

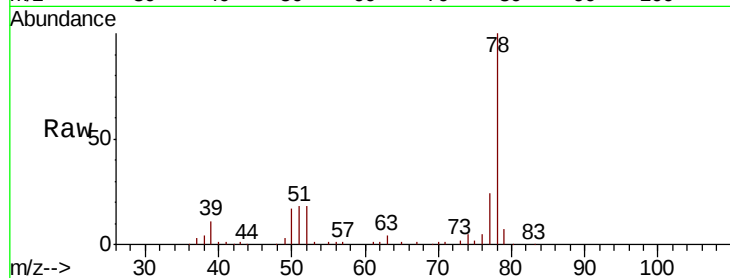
77 24.1 19.4 29.0

Manual Integrations

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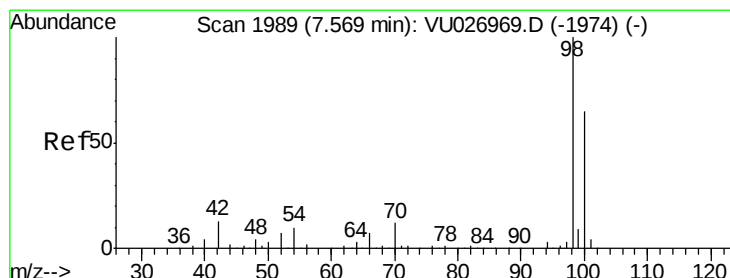
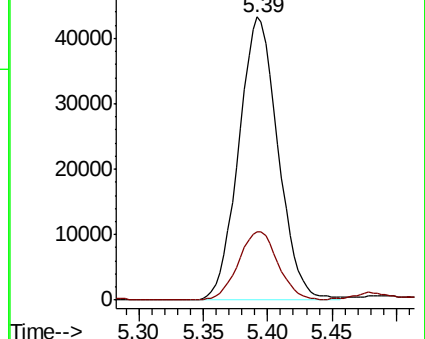
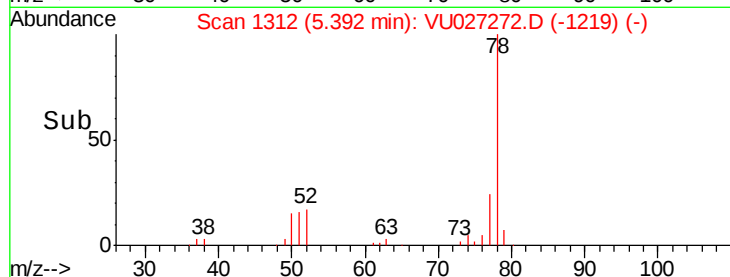
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Abundance Ion 78.00 (77.70 to 78.70): VU027272.D (-1219) (-)

Ion 77.00 (76.70 to 77.70): VU027272.D (-1219) (-)



#50

Toluene-d8

Concen: 51.045 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VU027272.D

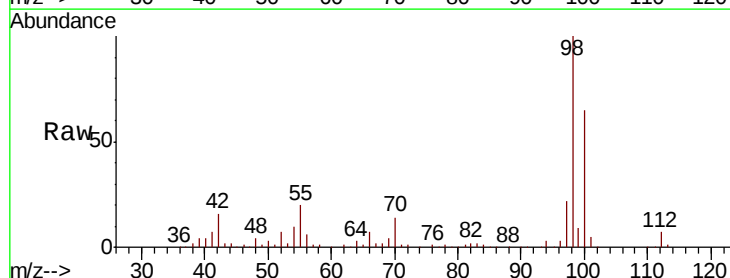
Acq: 28 Sep 2018 15:28

Tgt Ion: 98 Resp: 322104

Ion Ratio Lower Upper

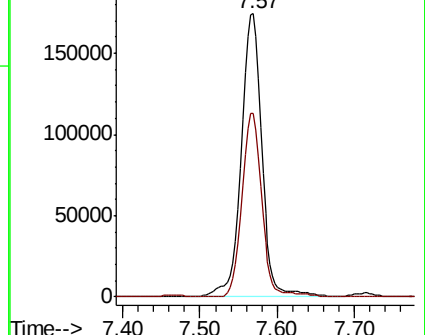
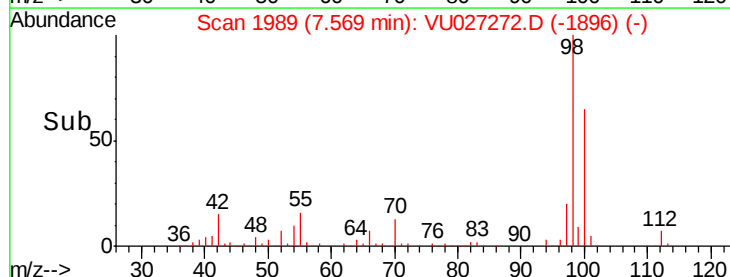
98 100

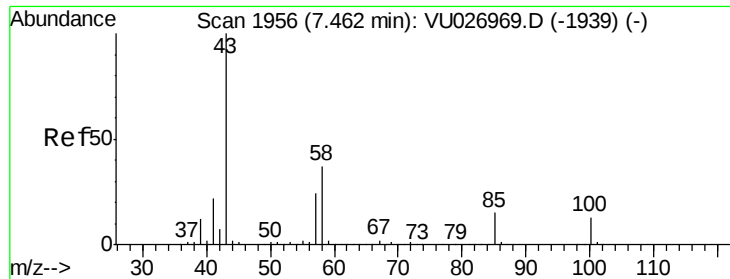
100 62.1 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU027272.D (-1896) (-)

Ion 100.00 (99.70 to 100.70): VU027272.D (-1896) (-)





#51

4-Methyl-2-Pentanone

Concen: 5.444 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VU027272.D

Acq: 28 Sep 2018 15:28

Instrument :

MSVOA_U

ClientSampleId :

S13-0251

Tot Ion: 43 Resp: 18428

Ion Ratio Lower Upper

43 100

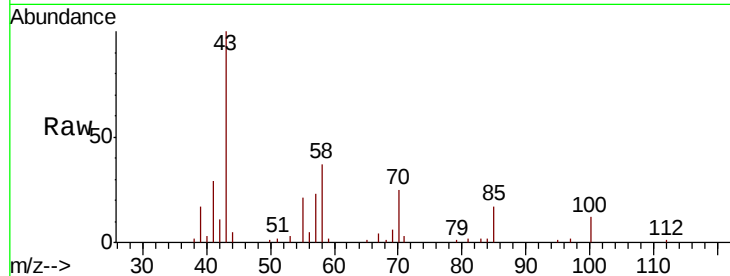
58 40.9 29.8 44.6

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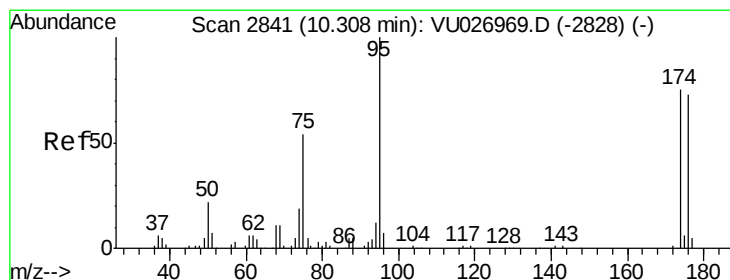
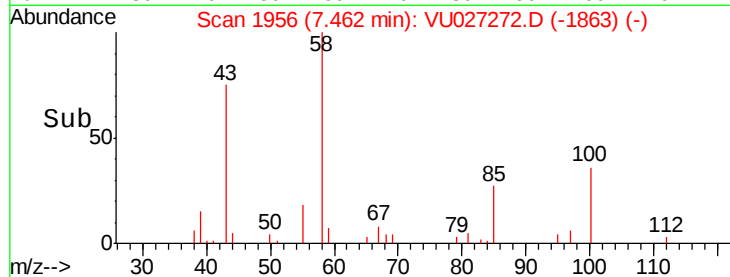
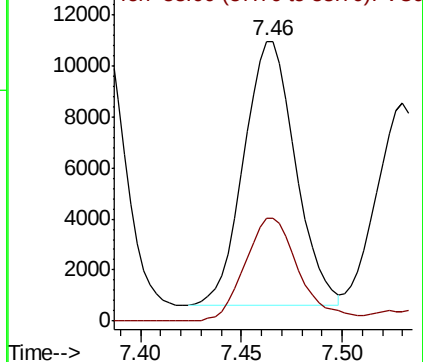
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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#62

4-Bromofluorobenzene

Concen: 49.765 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VU027272.D

Acq: 28 Sep 2018 15:28

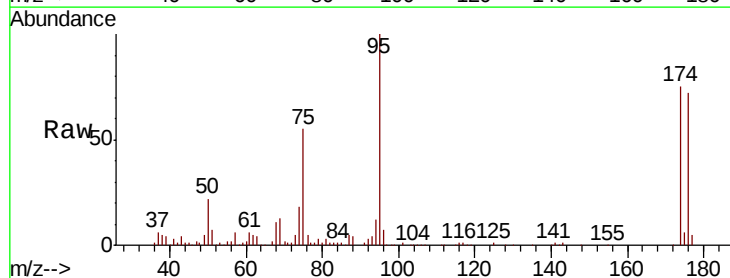
Tgt Ion: 95 Resp: 107753

Ion Ratio Lower Upper

95 100

174 74.1 0.0 150.2

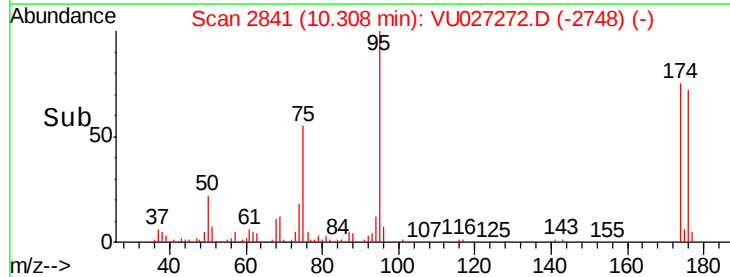
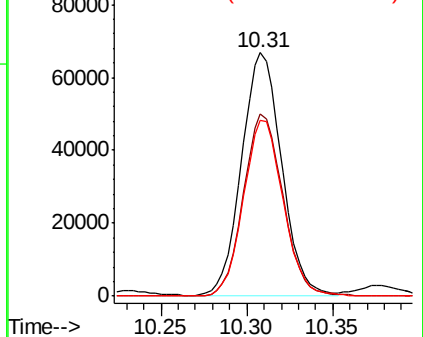
176 72.1 0.0 145.2

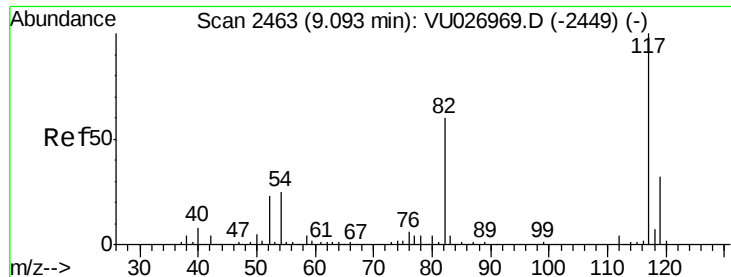


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





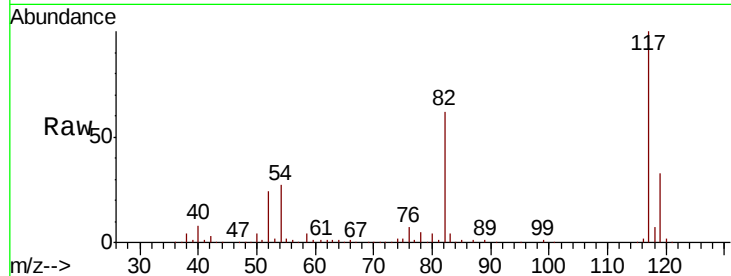
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027272.D
Acq: 28 Sep 2018 15:28

Instrument :
MSVOA_U
ClientSampled :
S13-0251

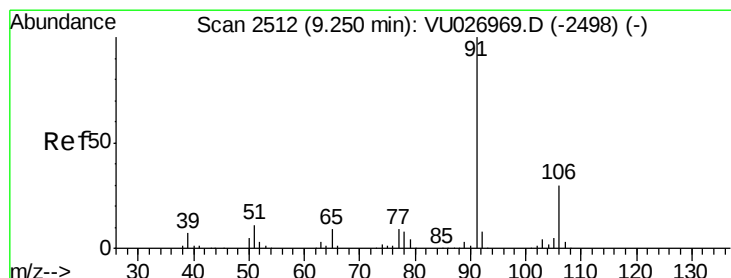
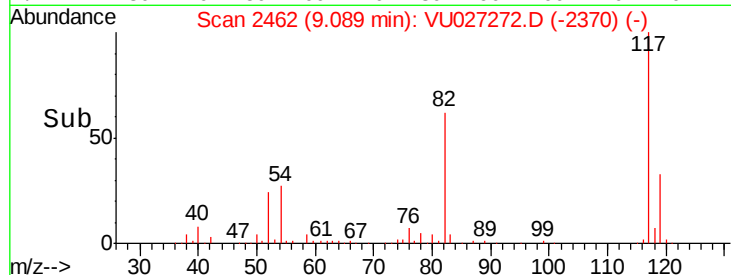
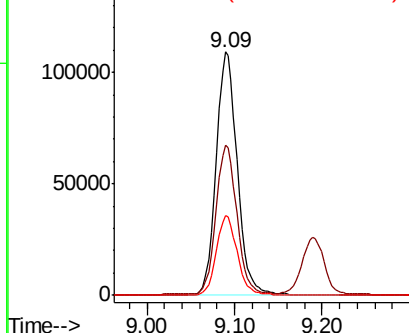
Tot Ion	Ratio	Lower	Upper
117	100		
82	61.2	48.0	72.0
119	32.6	25.8	38.8

Manual Integrations
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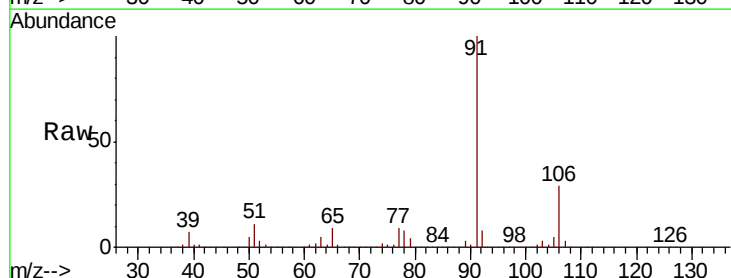


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

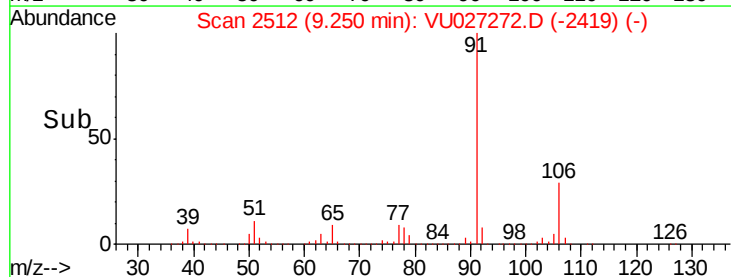
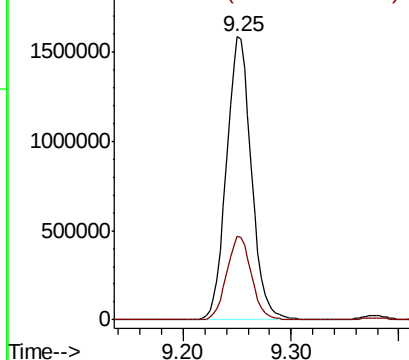


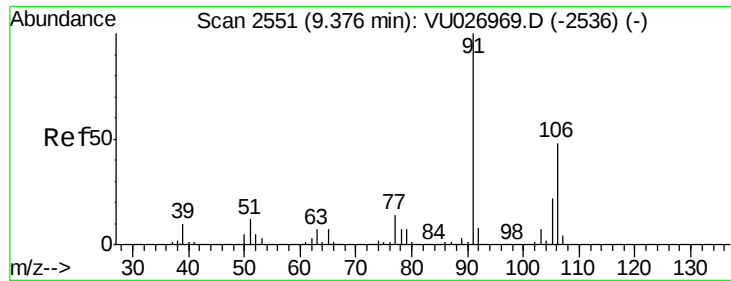
#67
Ethyl Benzene
Concen: 319.334 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU027272.D
Acq: 28 Sep 2018 15:28

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.5	23.8	35.8



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 106.00 (105.70 to 106.70): V





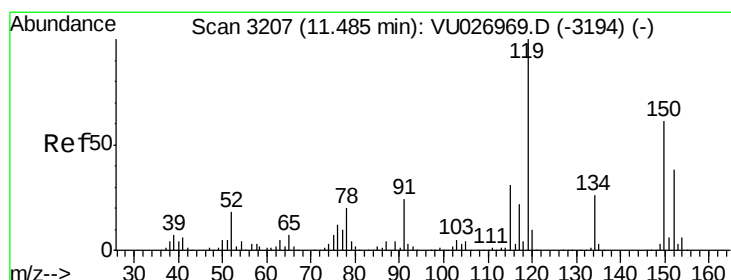
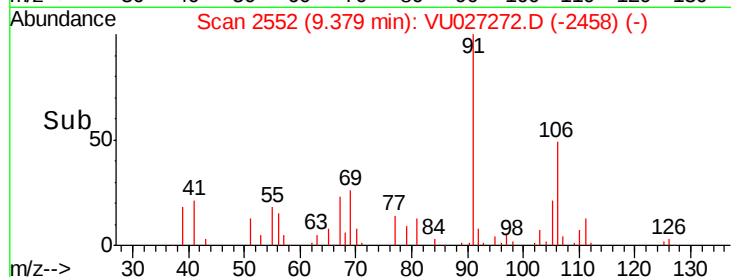
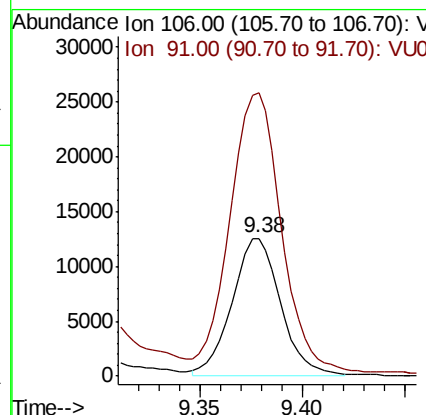
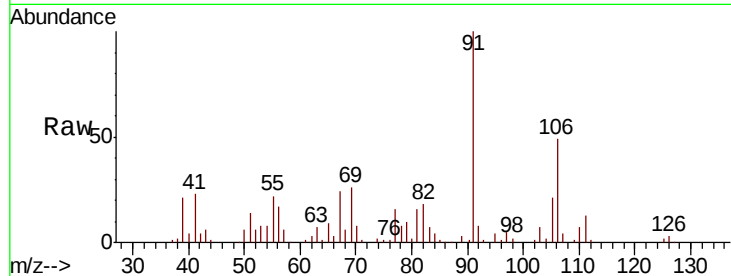
#68
m/p-Xvlenes
Concen: 7.836 ug/l m
RT: 9.38 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VU027272.D
Acq: 28 Sep 2018 15:28

Instrument :
MSVOA_U
ClientSampled :
S13-0251

Tot Ion:106 Resp: 20799
Ion Ratio Lower Upper
106 100
91 12259.6 166.5 249.

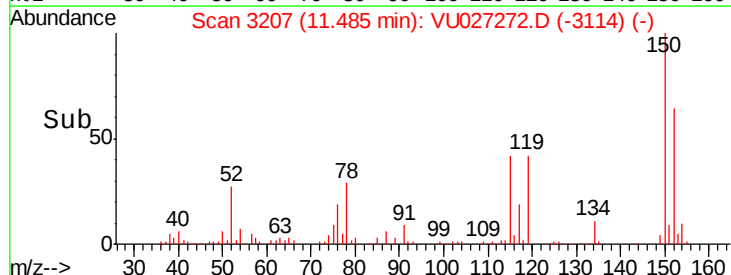
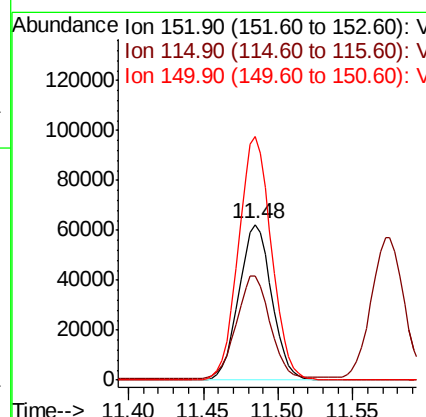
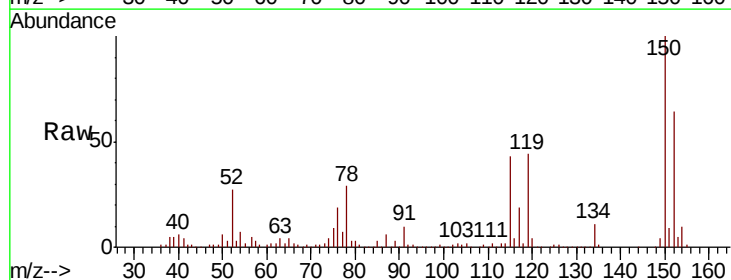
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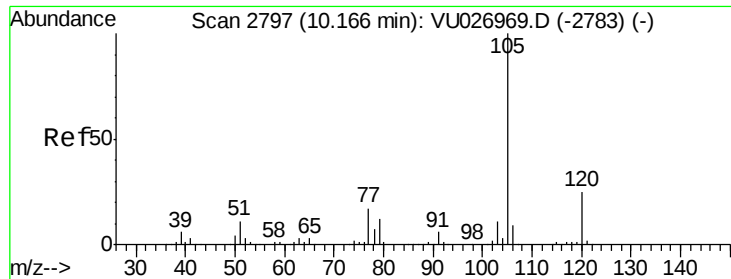
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. -0.00 min
Lab File: VU027272.D
Acq: 28 Sep 2018 15:28

Tgt Ion:152 Resp: 95446
Ion Ratio Lower Upper
152 100
115 68.0 44.9 134.5
150 157.0 0.0 355.8





#73

Isopropylbenzene

Concen: 75.525 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027272.D

Acq: 28 Sep 2018 15:28

Instrument :

MSVOA_U

ClientSampleId :

S13-0251

Tot Ion:105 Resp: 548347

Ion Ratio Lower Upper

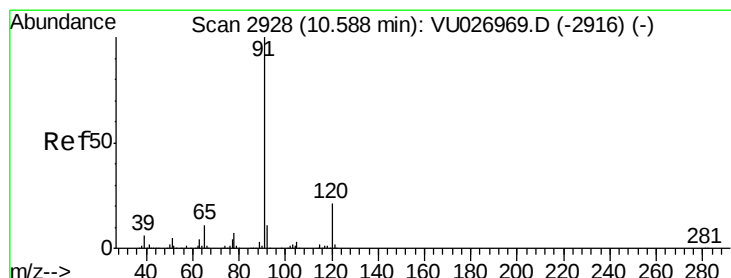
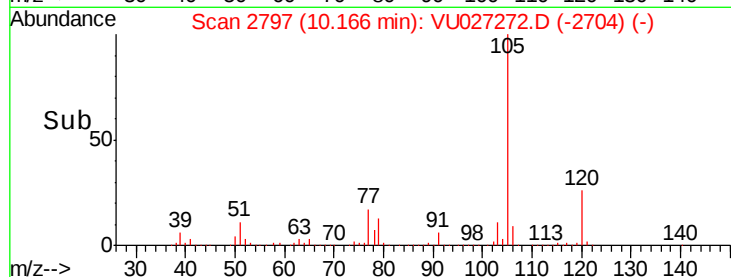
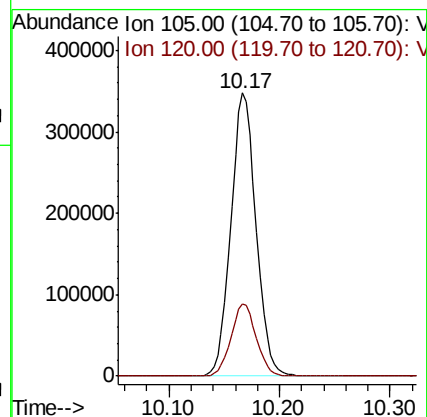
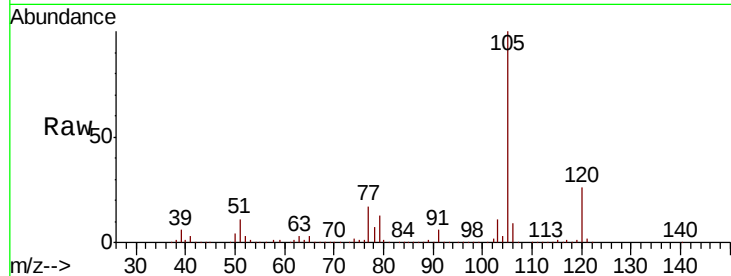
105 100

120 25.6 12.8 38.4

Manual Integrations
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#78

n-propylbenzene

Concen: 83.384 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027272.D

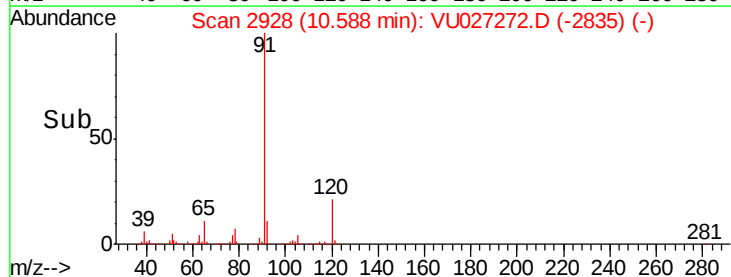
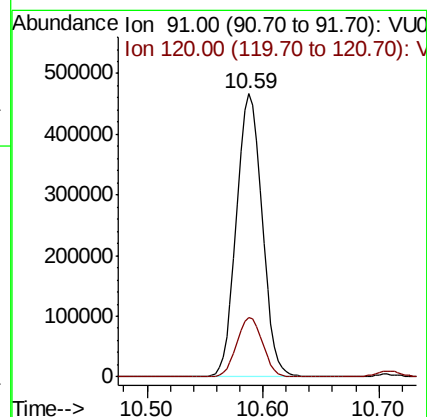
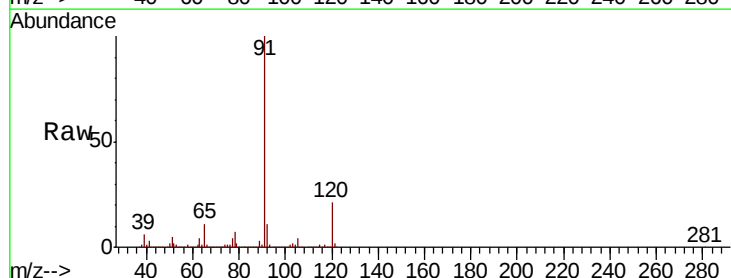
Acq: 28 Sep 2018 15:28

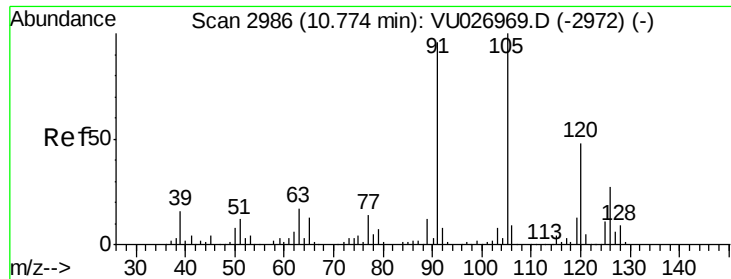
Tgt Ion: 91 Resp: 716338

Ion Ratio Lower Upper

91 100

120 21.1 10.6 31.8





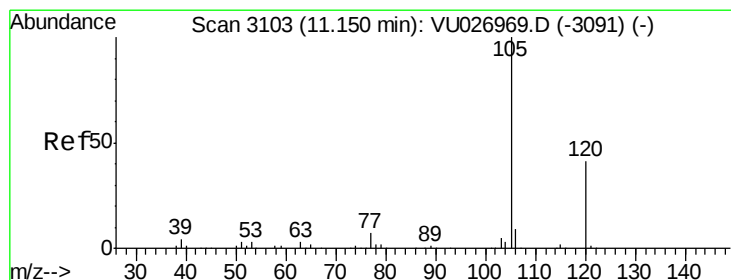
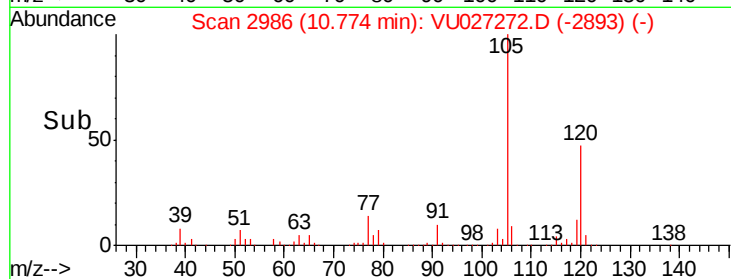
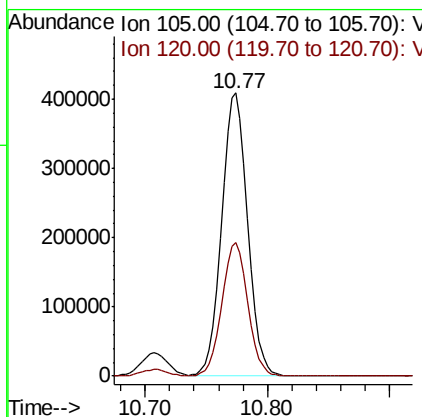
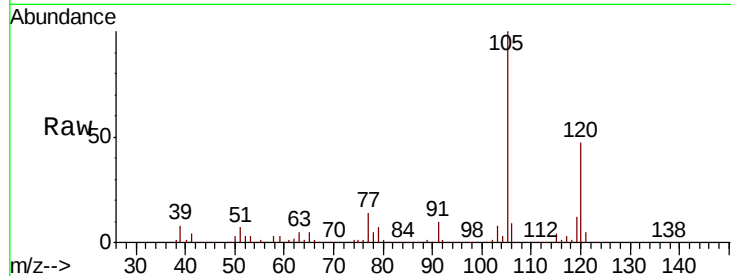
#80
 1,3,5-Trimethylbenzene
 Concen: 102.002 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. -0.00 min
 Lab File: VU027272.D
 Acq: 28 Sep 2018 15:28

Instrument :
 MSVOA_U
 ClientSampled :
 S13-0251

Tot Ion:105 Resp: 611331
 Ion Ratio Lower Upper
 105 100
 120 47.3 23.9 71.7

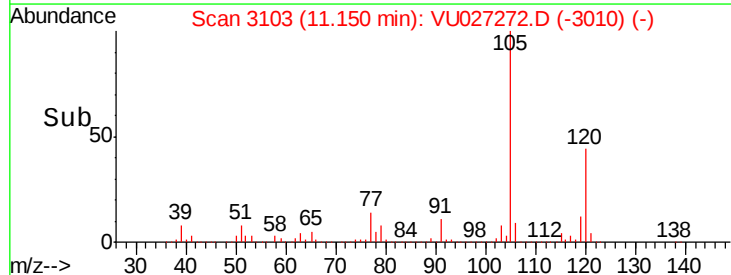
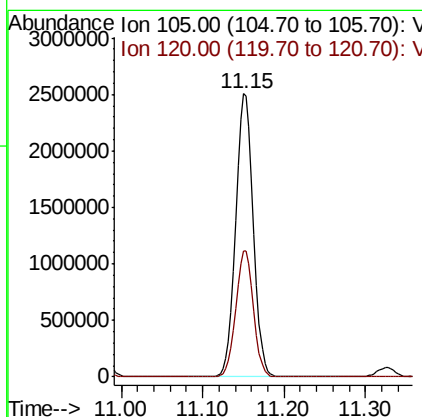
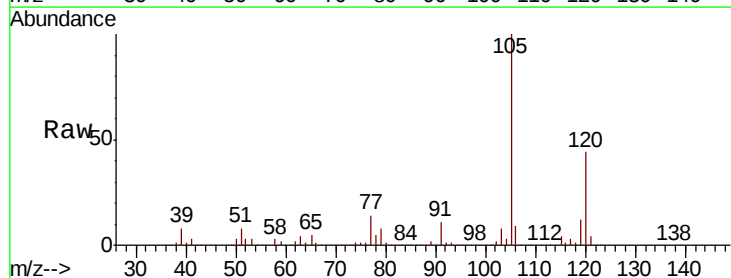
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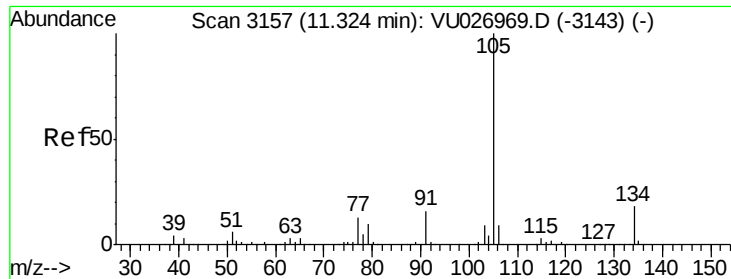
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#84
 1,2,4-Trimethylbenzene
 Concen: 619.419 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. 0.00 min
 Lab File: VU027272.D
 Acq: 28 Sep 2018 15:28

Tgt Ion:105 Resp: 3778066
 Ion Ratio Lower Upper
 105 100
 120 44.7 22.4 67.2





#85

sec-Butylbenzene

Concen: 17.527 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. -0.00 min

Lab File: VU027272.D

Acq: 28 Sep 2018 15:28

Instrument :

MSVOA_U

ClientSampleId :

S13-0251

Tot Ion:105 Resp: 126775

Ion Ratio Lower Upper

105 100

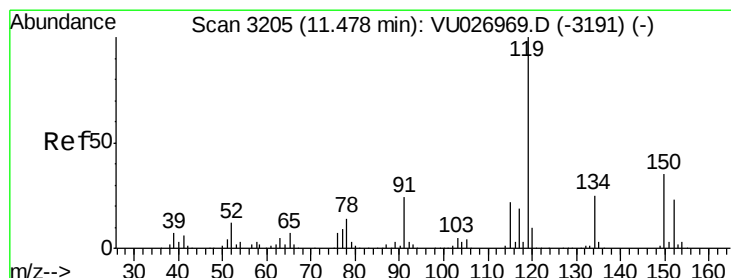
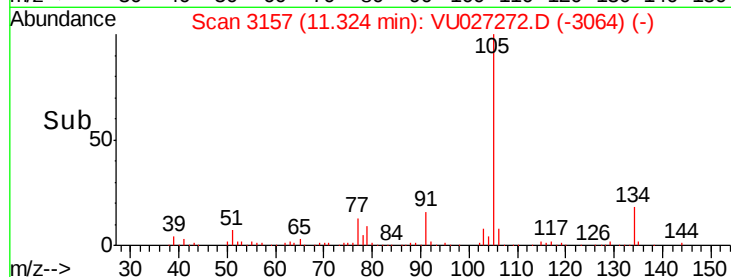
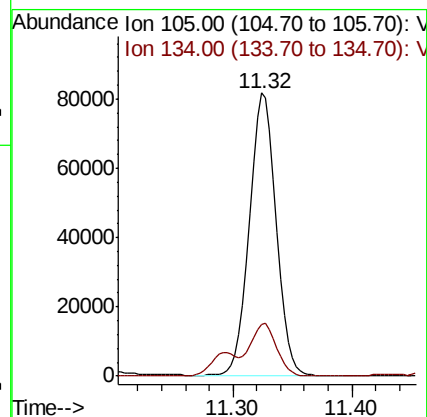
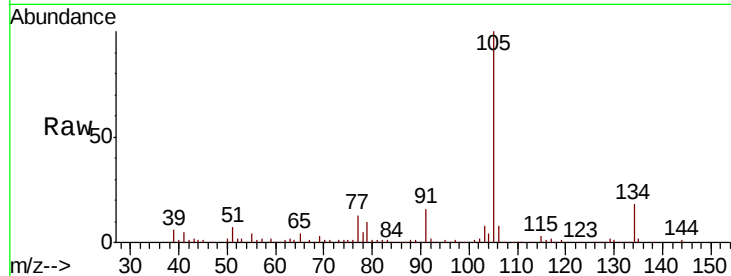
134 18.6 9.4 28.2

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 13.016 ug/l

RT: 11.48 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VU027272.D

Acq: 28 Sep 2018 15:28

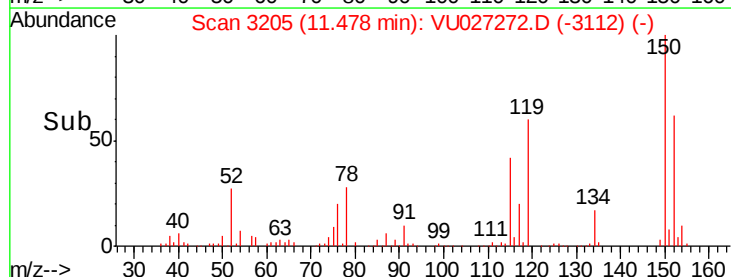
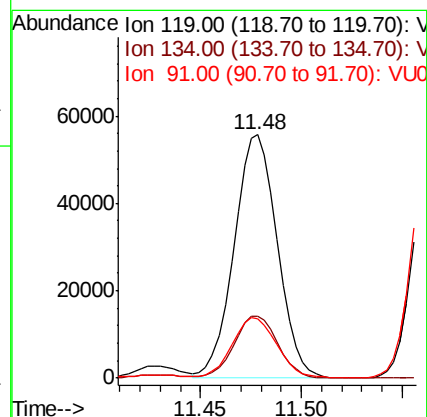
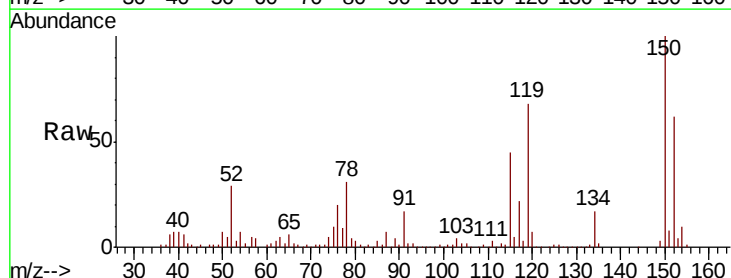
Tgt Ion:119 Resp: 83595

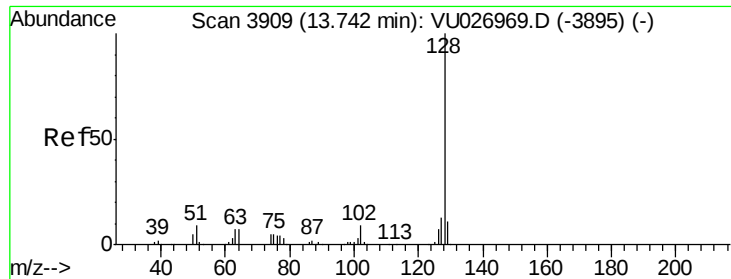
Ion Ratio Lower Upper

119 100

134 25.9 12.8 38.3

91 25.9 12.3 36.8





#95
Naphthalene
Concen: 190.718 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU027272.D
Acq: 28 Sep 2018 15:28

Instrument :
MSVOA_U
ClientSampleId :
S13-0251

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	15.8
129	11.1	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/2/2018 1:07:57 PM

