

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011419\
 Data File : VU029164.D
 Acq On : 14 Jan 2019 14:36
 Operator : JC/SP
 Sample : K1137-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-102

Manual Integrations
 APPROVED

MMDadoda
 1/15/2019 11:29:45 AM

Quant Time: Jan 15 11:21:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 12 01:33:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	127866	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.89	114	217781	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	218685	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	109994	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.35	65	80465	50.91	ug/l	0.05
Spiked Amount	50.000		Recovery	=	101.82%	
35) Dibromofluoromethane	4.89	113	53964	38.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.46%	
50) Toluene-d8	7.59	98	298734	53.60	ug/l	0.03
Spiked Amount	50.000		Recovery	=	107.20%	
62) 4-Bromofluorobenzene	10.31	95	104092	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	
Target Compounds						
					Qvalue	
16) Acetone	2.32	43	470210	472.211	ug/l	98
25) 2-Butanone	4.26	43	342009	254.296	ug/l	100
31) Cyclohexane	5.00	56	504075	195.620	ug/l	97
39) Methylcyclohexane	6.41	83	271598	101.489	ug/l	96
40) Benzene	5.39	78	46024479m	6778.187	ug/l	
52) Toluene	7.65	92	58622167m	14181.786	ug/l	
61) 1,2-Dibromoethane	8.59	107	1503953	837.385	ug/l	99
67) Ethyl Benzene	9.26	91	16007124	1955.903	ug/l #	88
68) m/p-Xylenes	9.39	106	23274593m	7319.325	ug/l	
69) o-Xylene	9.80	106	12739832	4157.994	ug/l #	1
73) Isopropylbenzene	10.17	105	586428	72.030	ug/l	100
78) n-propylbenzene	10.59	91	2004675	208.938	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	3071730	451.806	ug/l	98
84) 1,2,4-Trimethylbenzene	11.16	105	12956573	1908.780	ug/l	99
85) sec-Butylbenzene	11.32	105	56081m	6.920	ug/l	
95) Naphthalene	13.74	128	4316917	507.166	ug/l	99

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

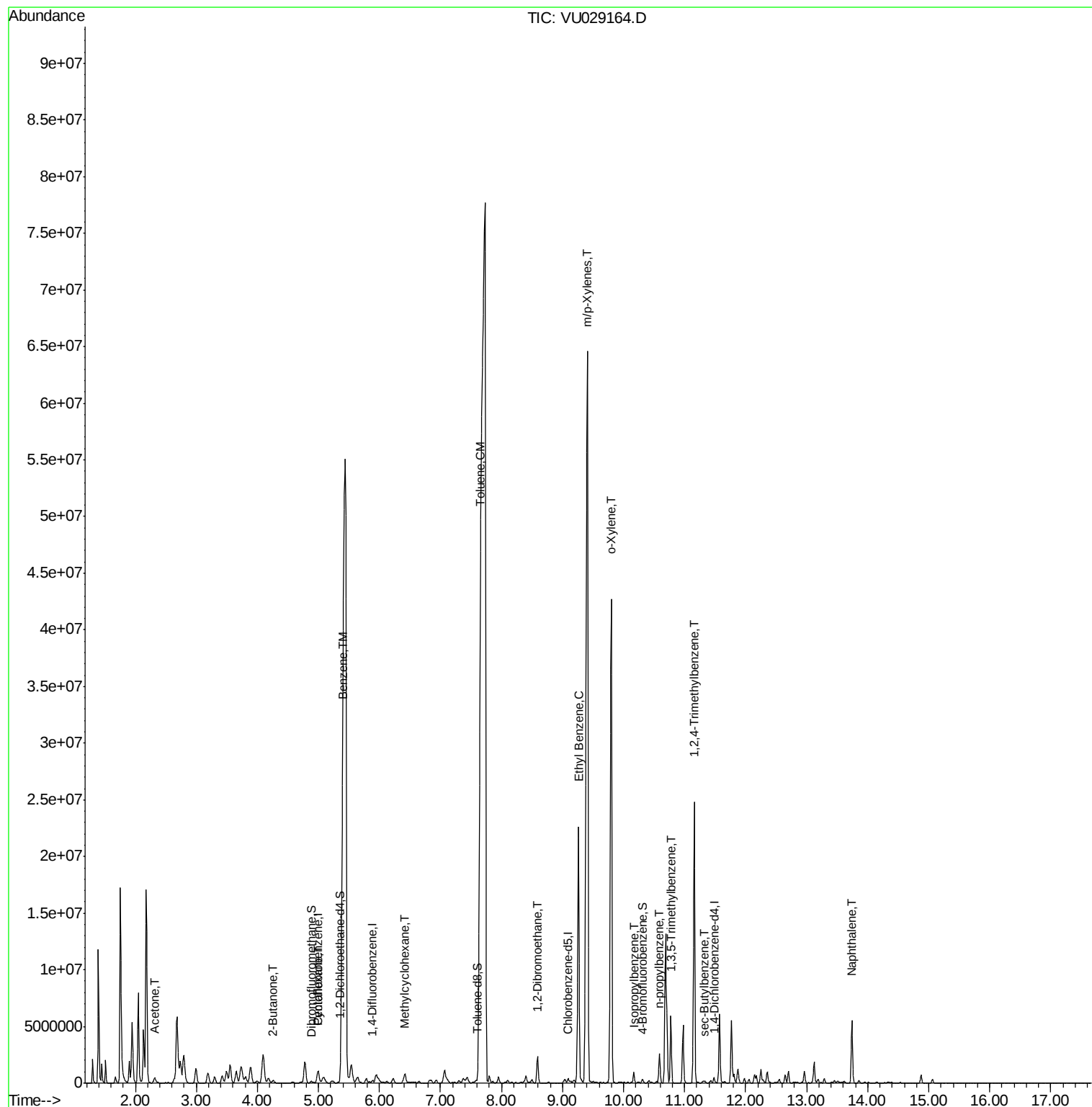
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU011419\
Data File : VU029164.D
Acq On : 14 Jan 2019 14:36
Operator : JC/SP
Sample : K1137-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 14 Sample Multiplier: 1

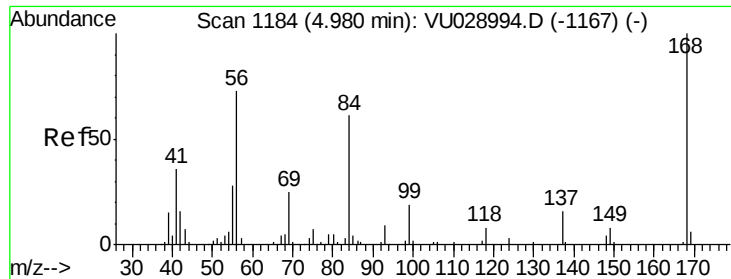
Instrument :
MSVOA_U
ClientSampleId :
MW-102

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Quant Time: Jan 15 11:21:05 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
Quant Title : SW846 8260
QLast Update : Sat Jan 12 01:33:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1187

Delta R.T. 0.01 min

Lab File: VU029164.D

Acq: 14 Jan 2019 14:36

Instrument :

MSVOA_U

ClientSampled :

MW-102

Tot Ion:168 Resp: 127866

Ion Ratio Lower Upper

168 100

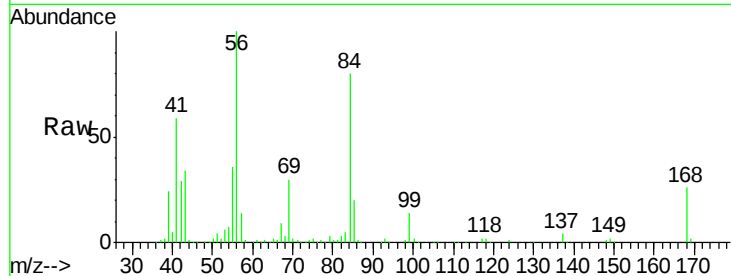
99 51.7 42.0 63.0

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Abundance Ion 167.90 (167.60 to 168.60): VU028994.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028994.D (-1167) (-)

4.99

50000

40000

30000

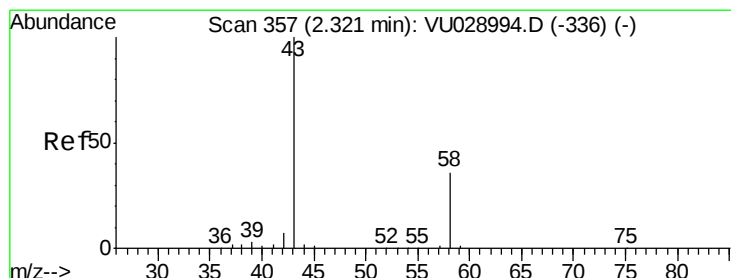
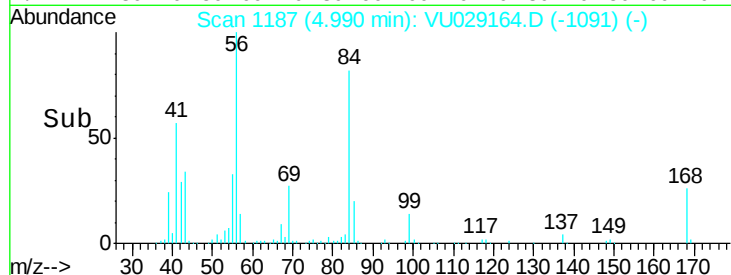
20000

10000

0

4.90 5.00 5.10

Time-->



#16

Acetone

Concen: 472.211 ug/l

RT: 2.32 min Scan# 356

Delta R.T. -0.00 min

Lab File: VU029164.D

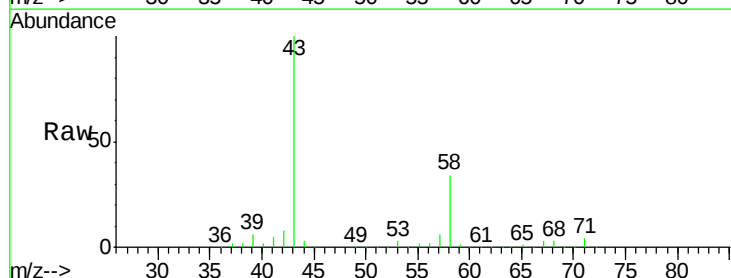
Acq: 14 Jan 2019 14:36

Tgt Ion: 43 Resp: 470210

Ion Ratio Lower Upper

43 100

58 34.3 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VU028994.D (-336) (-)

Ion 58.00 (57.70 to 58.70): VU028994.D (-336) (-)

2.32

300000

250000

200000

150000

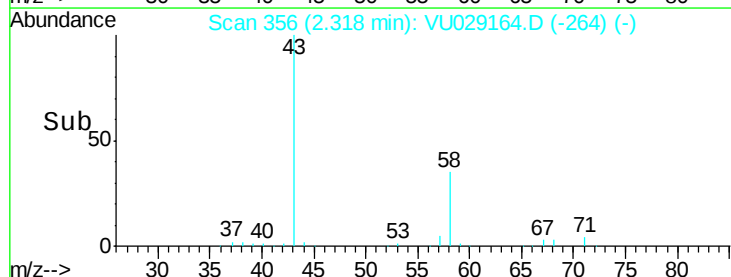
100000

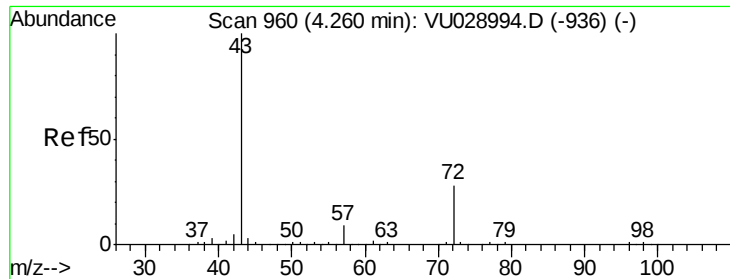
50000

0

2.20 2.30 2.40

Time-->





#25

2-Butanone

Concen: 254.296 ug/l

RT: 4.26 min Scan# 959

Delta R.T. -0.00 min

Lab File: VU029164.D

Acq: 14 Jan 2019 14:36

Instrument :

MSVOA_U

ClientSampled :

MW-102

Tot Ion: 43 Resp: 342009

Ion Ratio Lower Upper

43 100

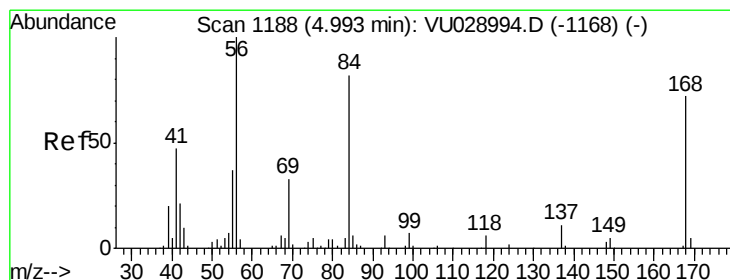
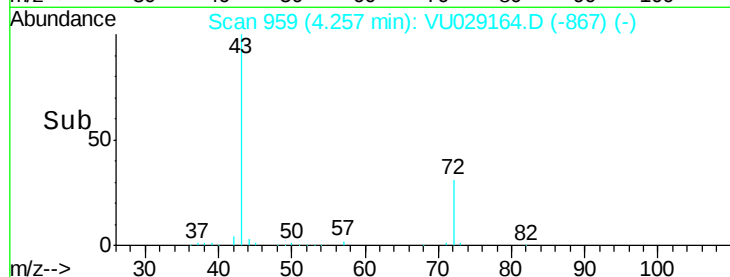
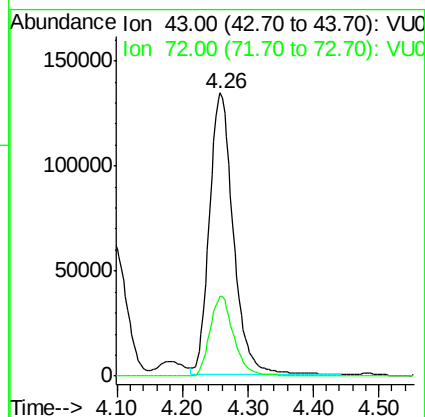
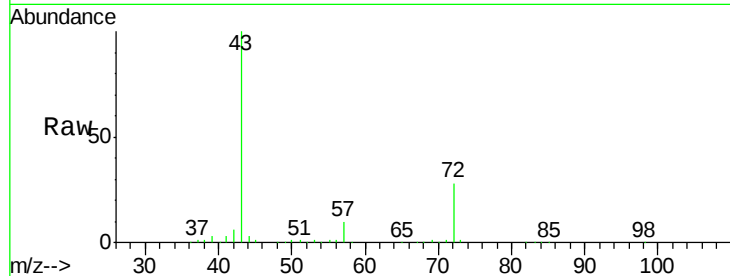
72 28.4 22.6 33.8

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#31

Cyclohexane

Concen: 195.620 ug/l

RT: 5.00 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VU029164.D

Acq: 14 Jan 2019 14:36

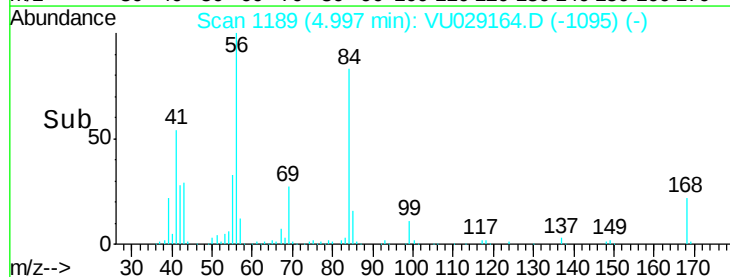
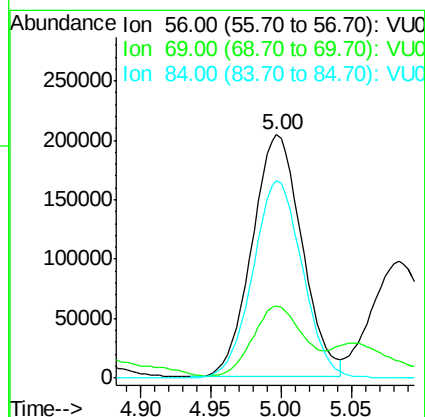
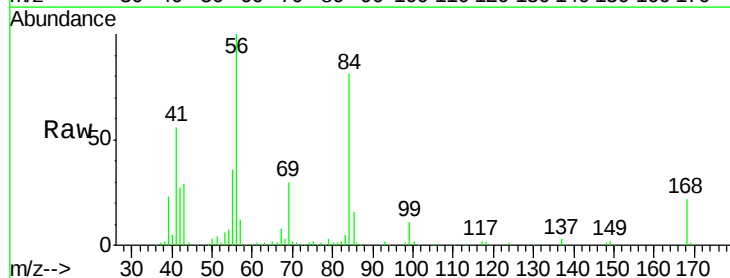
Tgt Ion: 56 Resp: 504075

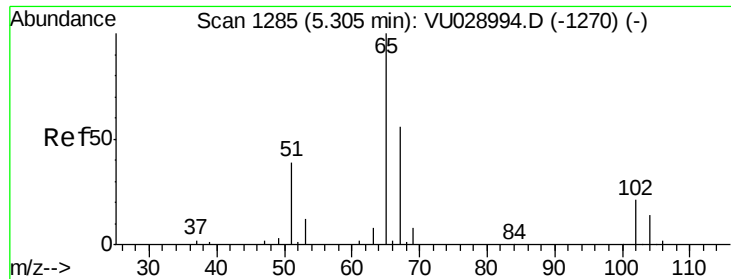
Ion Ratio Lower Upper

56 100

69 28.0 26.7 40.1

84 81.4 65.7 98.5





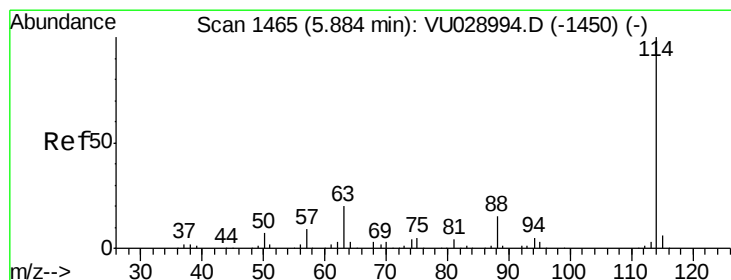
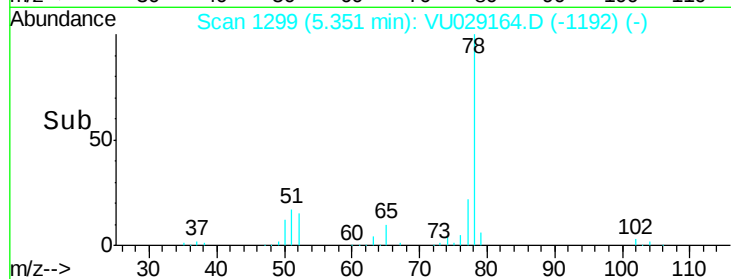
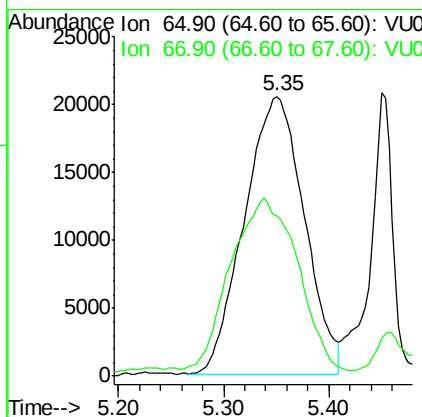
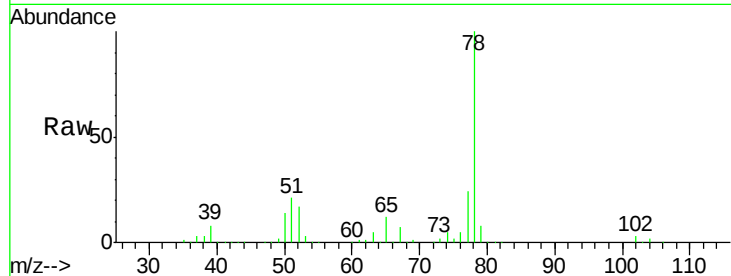
#33
 1,2-Dichloroethane-d4
 Concen: 50.905 ug/l
 RT: 5.35 min Scan# 1299
 Delta R.T. 0.05 min
 Lab File: VU029164.D
 Acq: 14 Jan 2019 14:36

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-102

Tot Ion: 65 Resp: 80465
 Ion Ratio Lower Upper
 65 100
 67 69.4 0.0 111.0

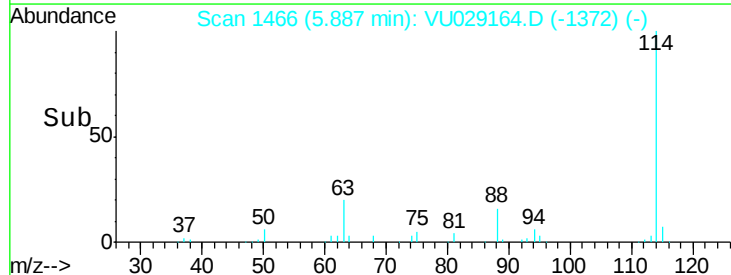
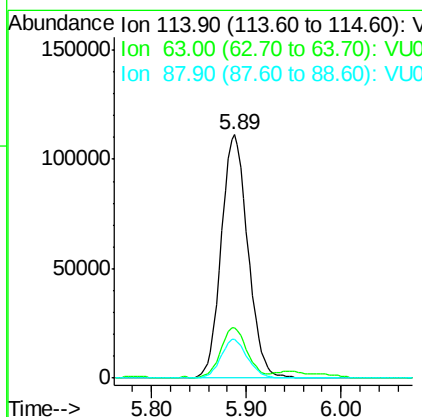
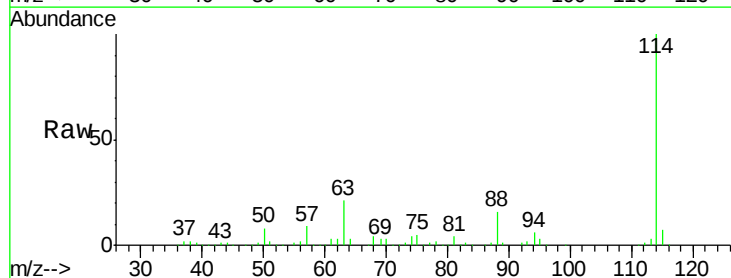
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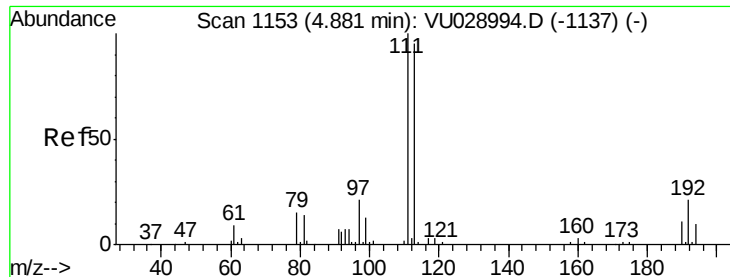
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU029164.D
 Acq: 14 Jan 2019 14:36

Tgt Ion: 114 Resp: 217781
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 40.2
 88 16.0 0.0 30.4





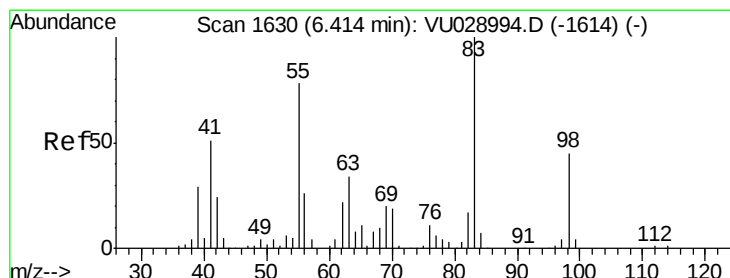
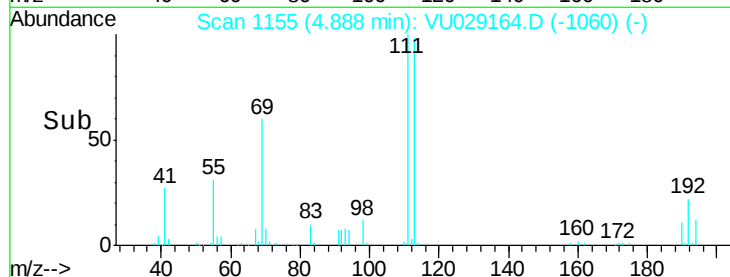
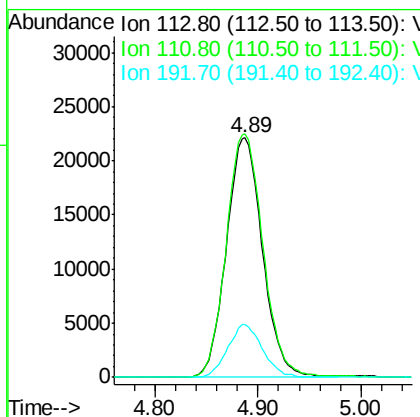
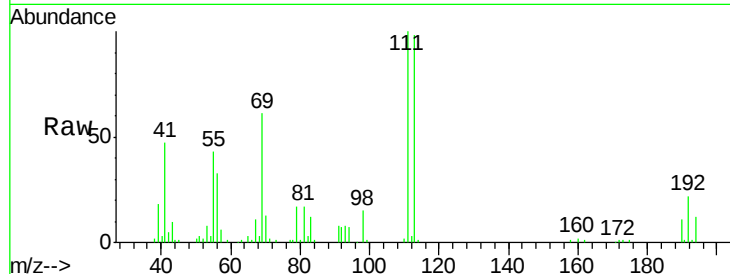
#35
Dibromofluoromethane
Concen: 38.226 ug/l
RT: 4.89 min Scan# 1155
Delta R.T. 0.01 min
Lab File: VU029164.D
Acq: 14 Jan 2019 14:36

Instrument :
MSVOA_U
ClientSampleId :
MW-102

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.3	81.4	122.2	
192	21.1	16.8	25.2	

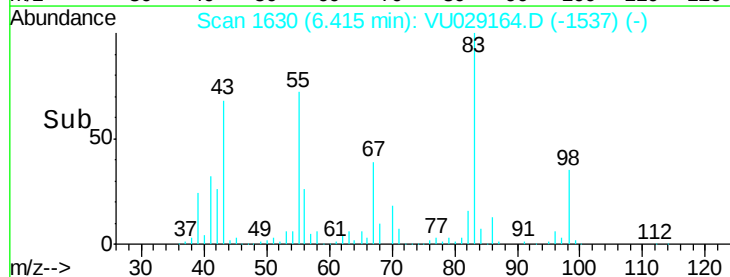
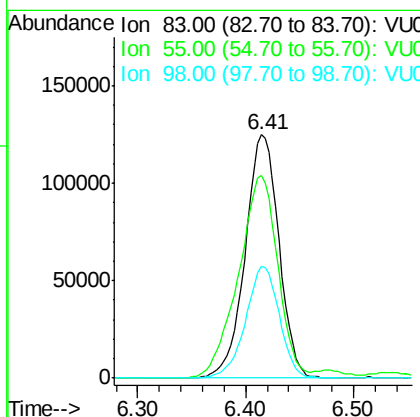
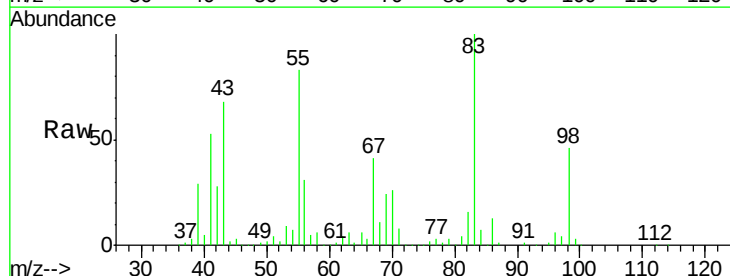
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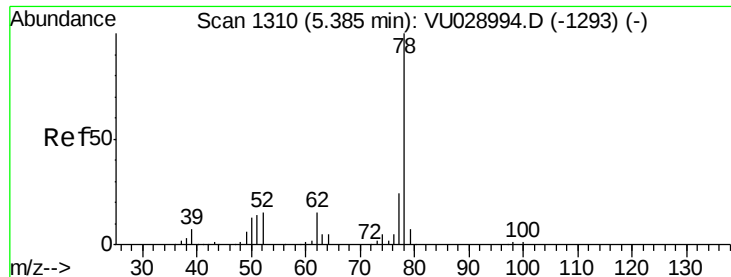
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#39
Methylcyclohexane
Concen: 101.489 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU029164.D
Acq: 14 Jan 2019 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
83	100			
55	82.6	62.4	93.6	
98	45.7	36.2	54.2	





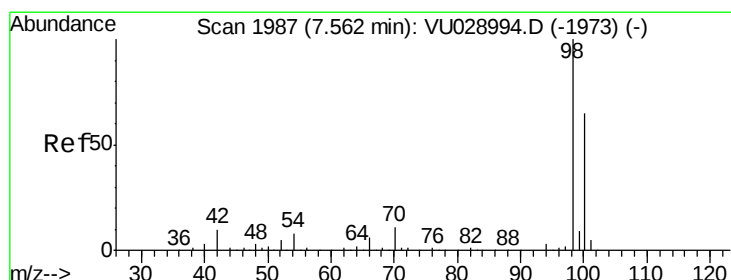
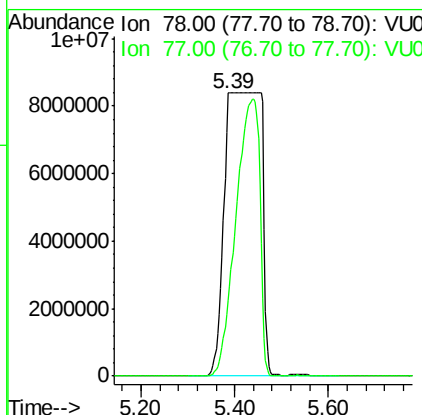
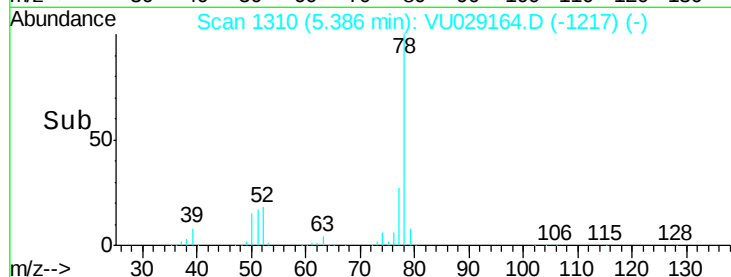
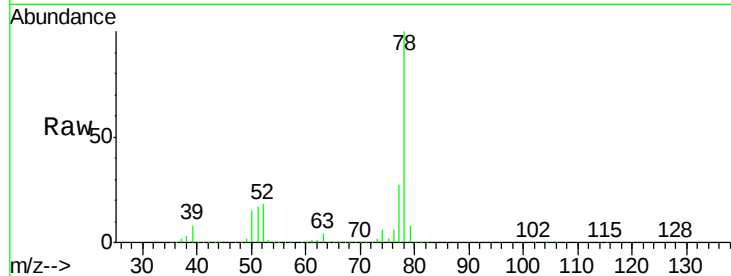
#40
Benzene
Concen: 6778.187 ug/l m
RT: 5.39 min Scan# 1310
Delta R.T. 0.00 min
Lab File: VU029164.D
Acq: 14 Jan 2019 14:36

Instrument :
MSVOA_U
ClientSampleId :
MW-102

Tot Ion: 78 Resp: 46024479
Ion Ratio Lower Upper
78 100
77 26.7 18.9 28.3

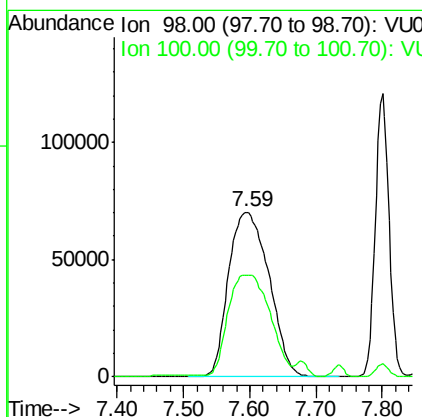
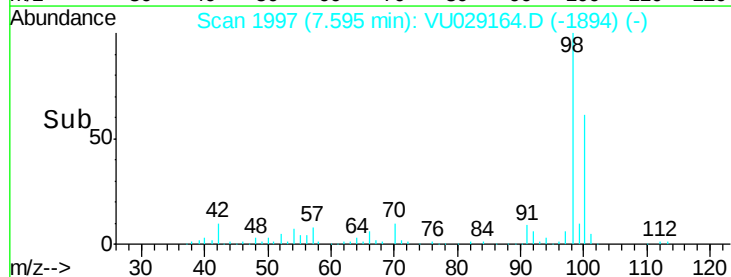
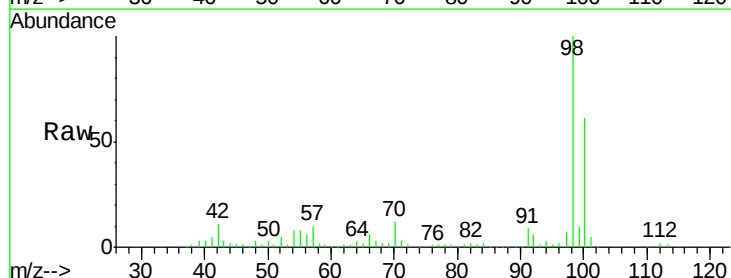
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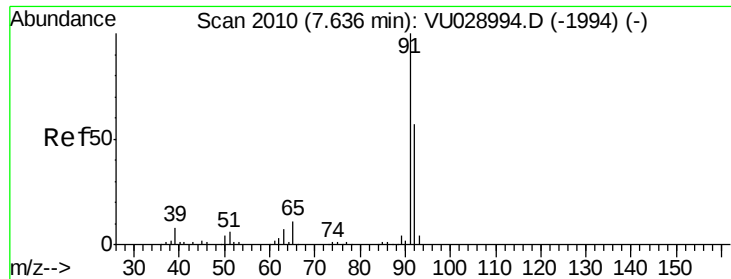
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#50
Toluene-d8
Concen: 53.601 ug/l
RT: 7.59 min Scan# 1997
Delta R.T. 0.03 min
Lab File: VU029164.D
Acq: 14 Jan 2019 14:36

Tgt Ion: 98 Resp: 298734
Ion Ratio Lower Upper
98 100
100 62.6 51.6 77.4





#52

Toluene

Concen: 14181.786 ug/l m

RT: 7.65 min Scan# 2013

Delta R.T. 0.01 min

Lab File: VU029164.D

Acq: 14 Jan 2019 14:36

Instrument :

MSVOA_U

ClientSampleId :

MW-102

Tot Ion: 92 Resp: 58622167

Ion Ratio Lower Upper

92 100

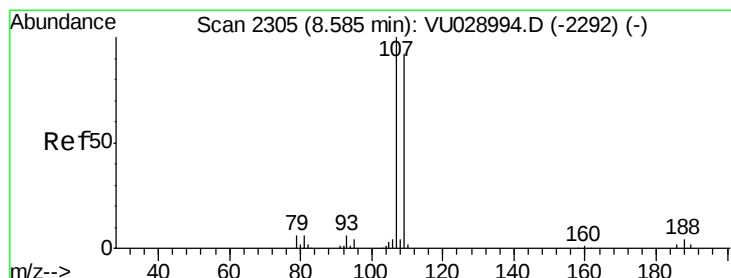
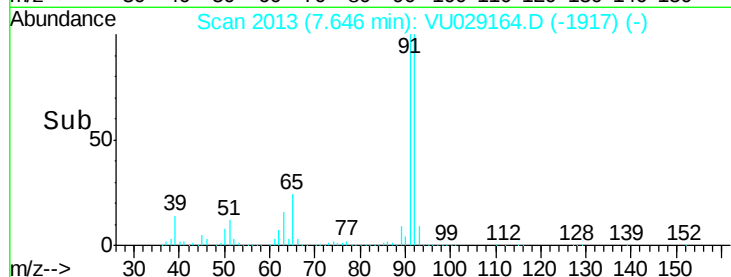
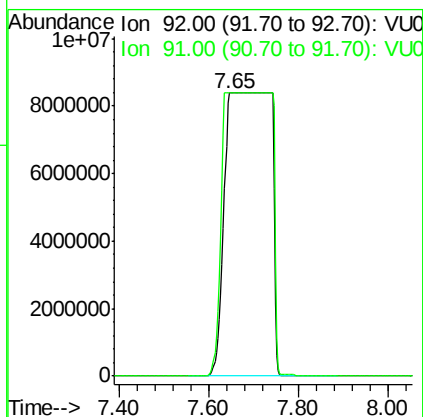
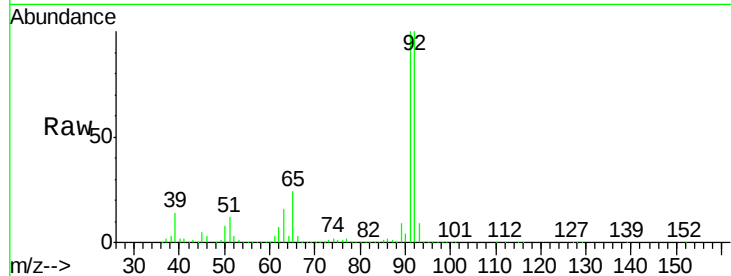
91 0.0 139.8 209.8#

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#61

1,2-Dibromoethane

Concen: 837.385 ug/l

RT: 8.59 min Scan# 2307

Delta R.T. 0.01 min

Lab File: VU029164.D

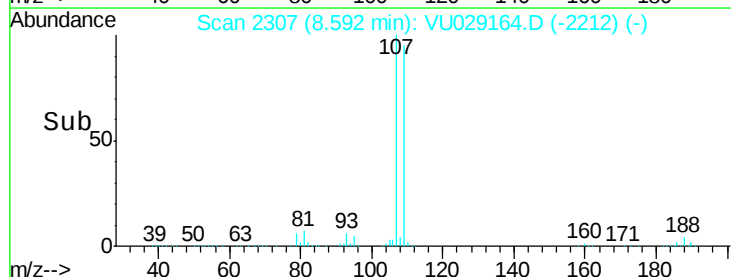
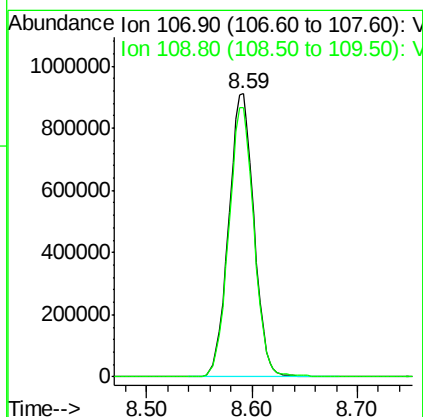
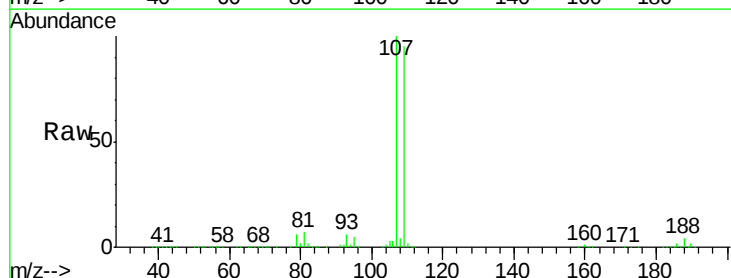
Acq: 14 Jan 2019 14:36

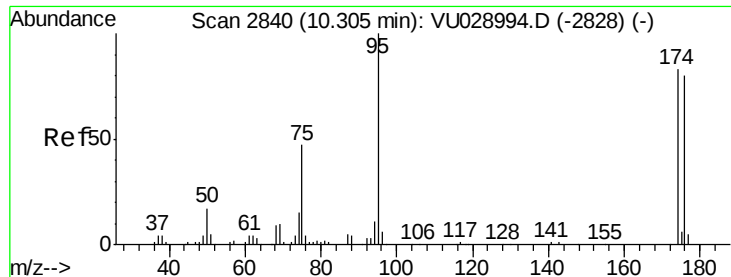
Tgt Ion: 107 Resp: 1503953

Ion Ratio Lower Upper

107 100

109 95.4 75.5 113.3





#62

4-Bromofluorobenzene

Concen: 51.970 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU029164.D

Acq: 14 Jan 2019 14:36

Instrument :

MSVOA_U

ClientSampled :

MW-102

Tot Ion: 95 Resp: 104092

Ion Ratio Lower Upper

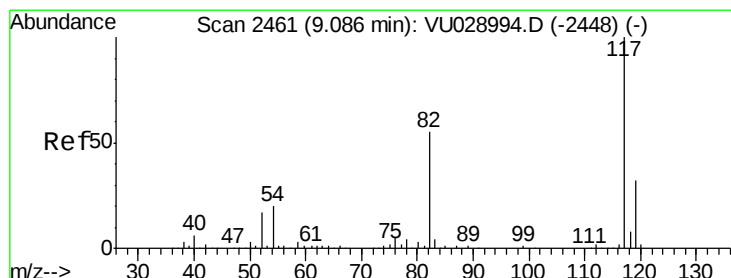
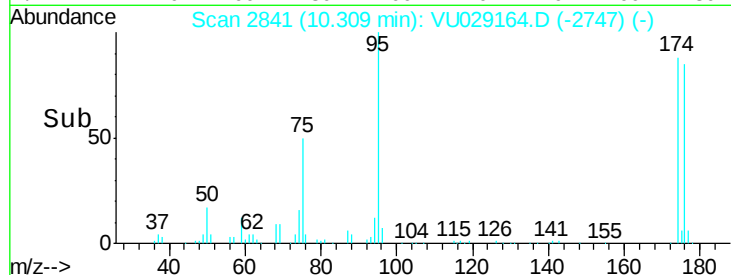
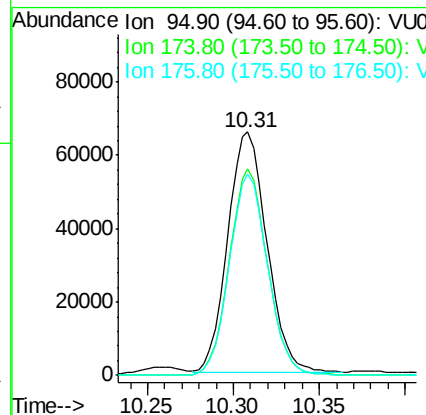
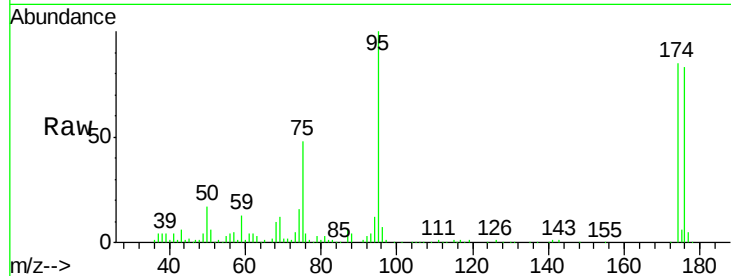
95 100

174 83.1 0.0 170.6

176 81.8 0.0 165.0

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2463

Delta R.T. 0.01 min

Lab File: VU029164.D

Acq: 14 Jan 2019 14:36

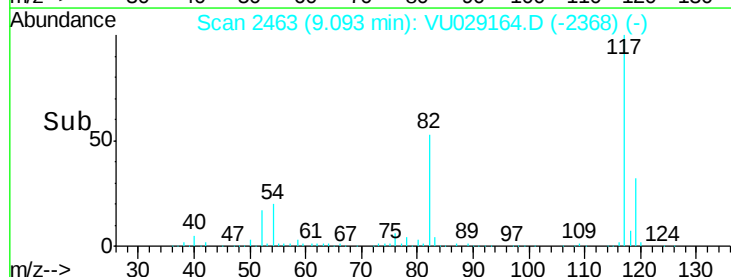
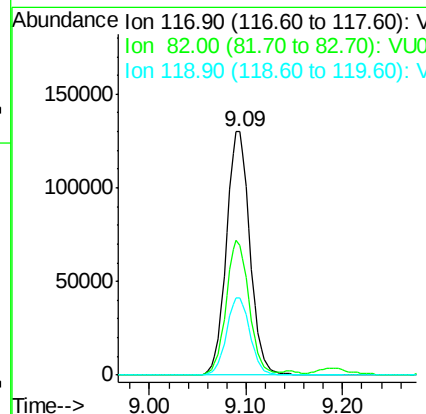
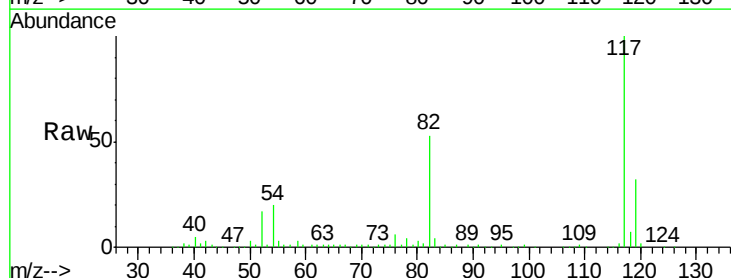
Tgt Ion: 117 Resp: 218685

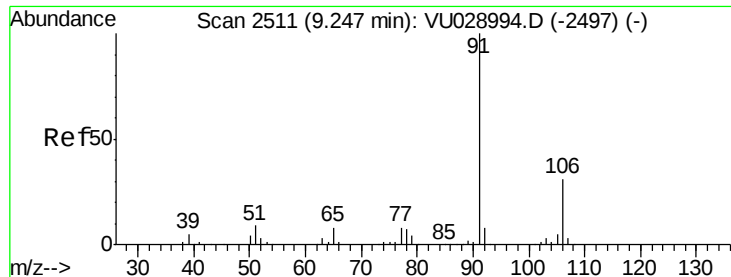
Ion Ratio Lower Upper

117 100

82 53.3 43.9 65.9

119 31.7 26.0 39.0





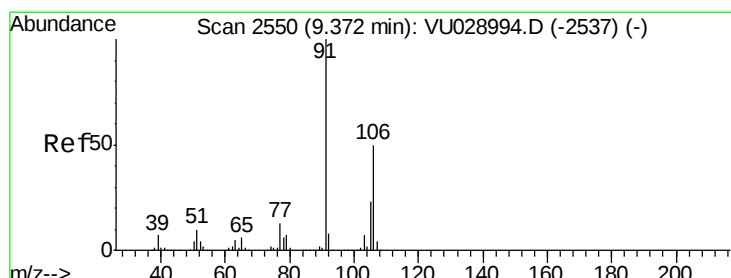
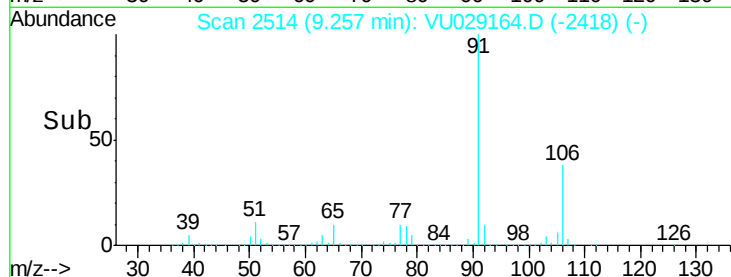
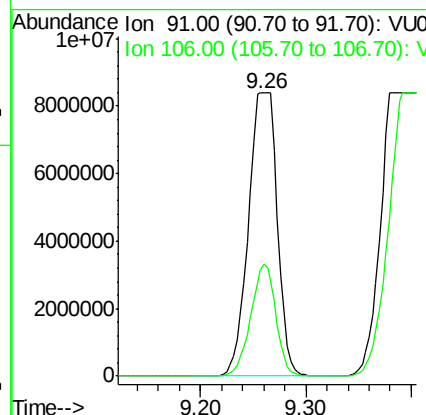
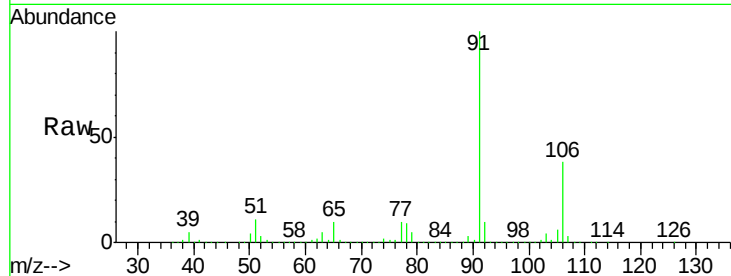
#67
Ethyl Benzene
Concen: 1955.903 ug/l
RT: 9.26 min Scan# 2514
Delta R.T. 0.01 min
Lab File: VU029164.D
Acq: 14 Jan 2019 14:36

Instrument :
MSVOA_U
ClientSampleId :
MW-102

Tot Ion: 91 Resp:16007124
Ion Ratio Lower Upper
91 100
106 37.7 25.0 37.4#

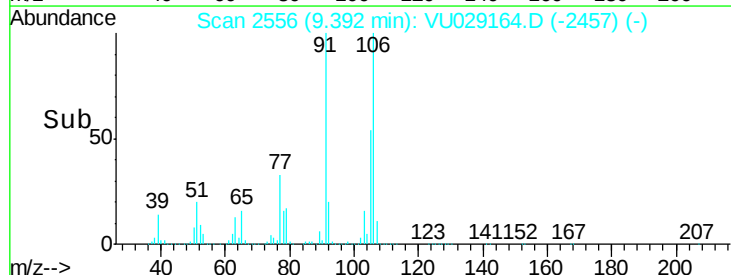
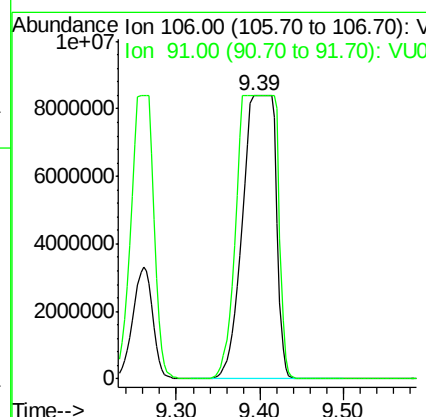
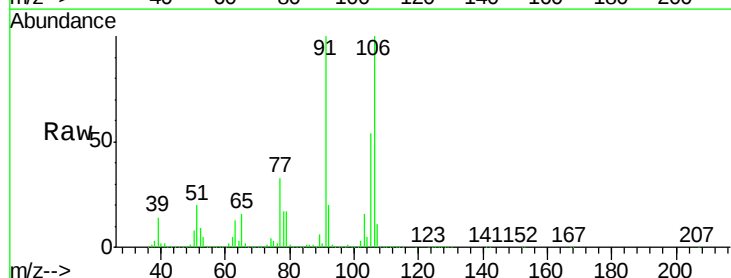
Manual Integrations
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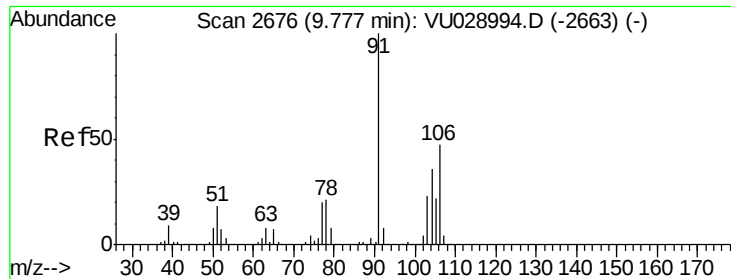
MMDadoda
1/15/2019 11:29:45 AM



#68
m/p-Xylenes
Concen: 7319.325 ug/l m
RT: 9.39 min Scan# 2556
Delta R.T. 0.02 min
Lab File: VU029164.D
Acq: 14 Jan 2019 14:36

Tgt Ion:106 Resp:23274593
Ion Ratio Lower Upper
106 100
91 68.8 161.7 242.5#





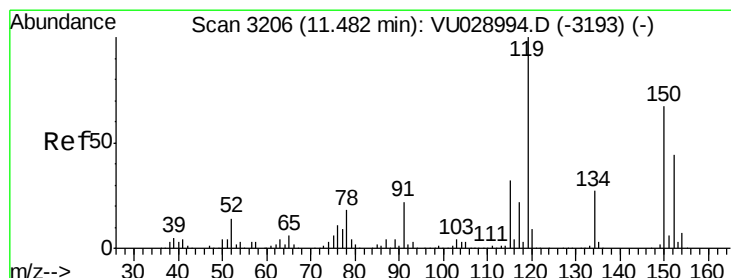
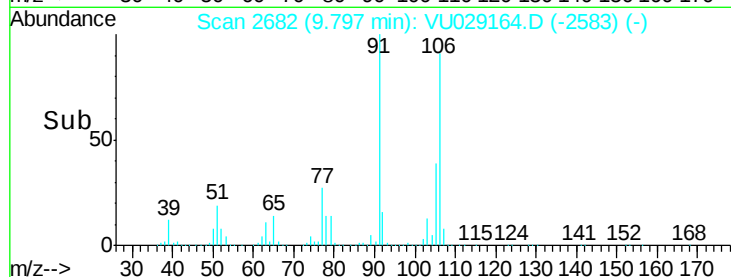
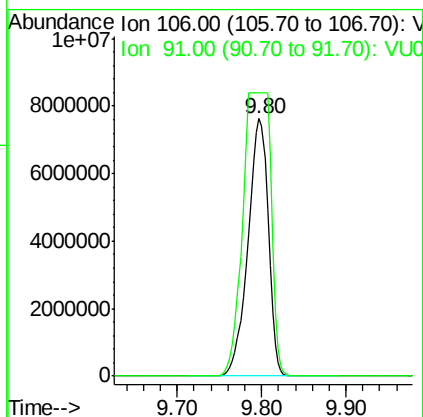
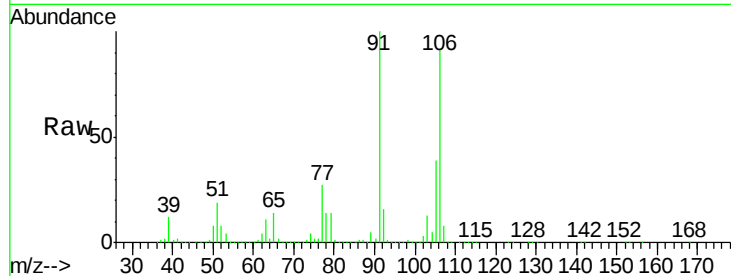
#69
o-Xylene
Concen: 4157.994 ug/l
RT: 9.80 min Scan# 2682
Delta R.T. 0.02 min
Lab File: VU029164.D
Acq: 14 Jan 2019 14:36

Instrument :
MSVOA_U
ClientSampleId :
MW-102

Tot Ion:106 Resp:12739832
Ion Ratio Lower Upper
106 100
91 0.0 106.1 318.3#

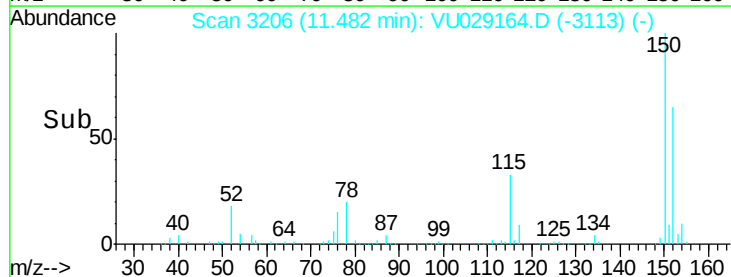
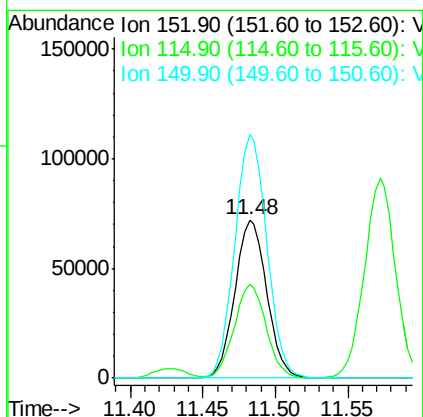
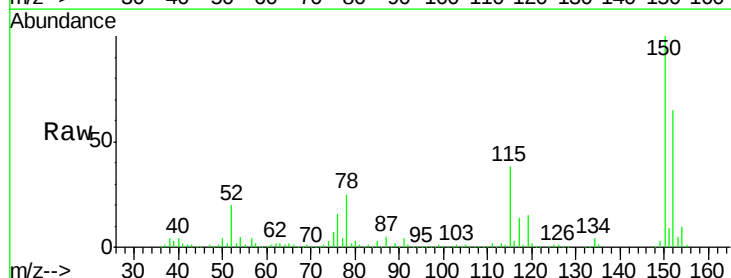
Manual Integrations
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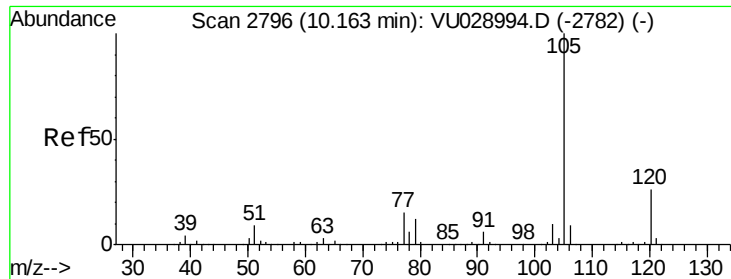
MMDadoda
1/15/2019 11:29:45 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. 0.00 min
Lab File: VU029164.D
Acq: 14 Jan 2019 14:36

Tgt Ion:152 Resp: 109994
Ion Ratio Lower Upper
152 100
115 58.4 40.1 120.3
150 155.5 0.0 345.2





#73

Isopropylbenzene

Concen: 72.030 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU029164.D

Acq: 14 Jan 2019 14:36

Instrument :

MSVOA_U

ClientSampleId :

MW-102

Tot Ion:105 Resp: 586428

Ion Ratio Lower Upper

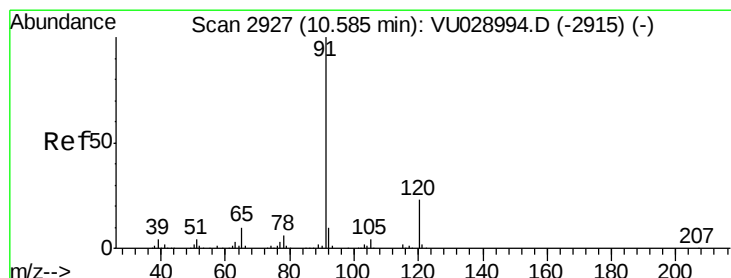
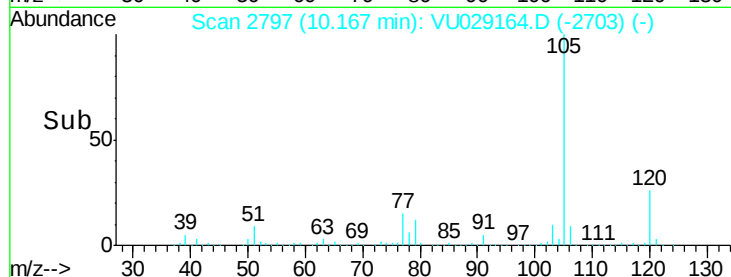
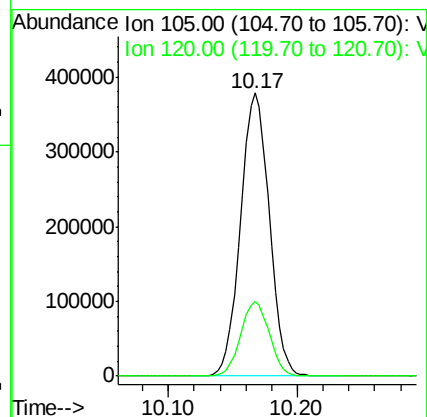
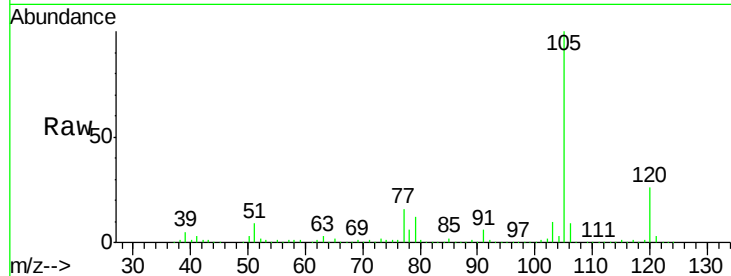
105 100

120 26.3 13.2 39.5

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#78

n-propylbenzene

Concen: 208.938 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU029164.D

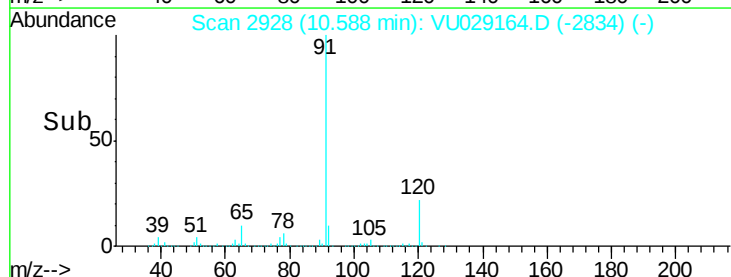
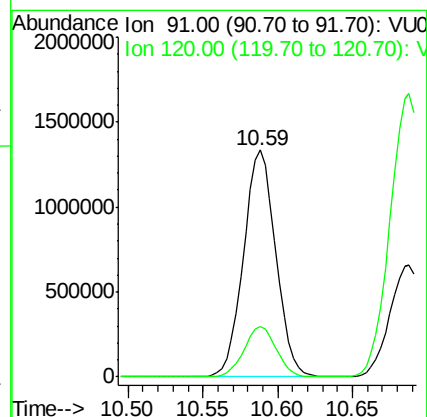
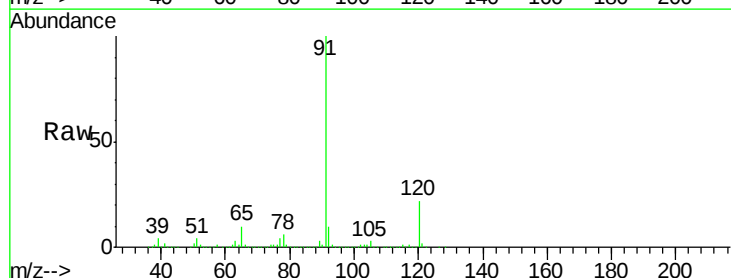
Acq: 14 Jan 2019 14:36

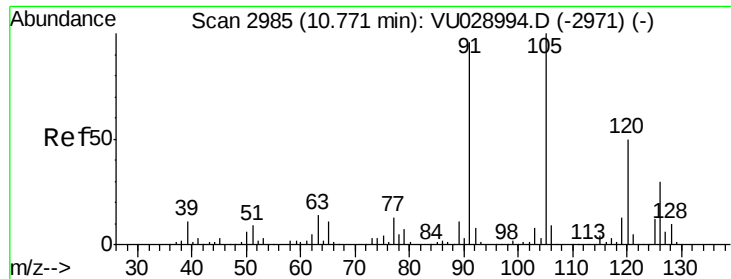
Tgt Ion: 91 Resp: 2004675

Ion Ratio Lower Upper

91 100

120 22.4 11.3 33.9





#80

1,3,5-Trimethylbenzene

Concen: 451.806 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU029164.D

Acq: 14 Jan 2019 14:36

Instrument :

MSVOA_U

ClientSampled :

MW-102

Tot Ion:105 Resp: 3071730

Ion Ratio Lower Upper

105 100

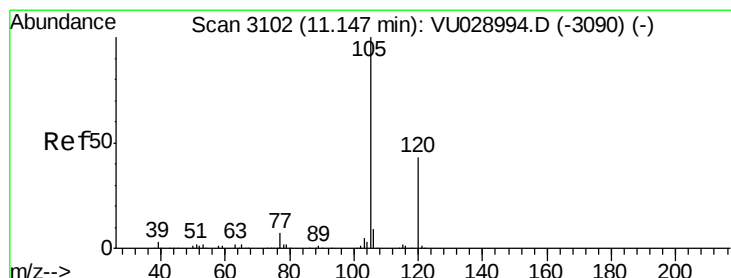
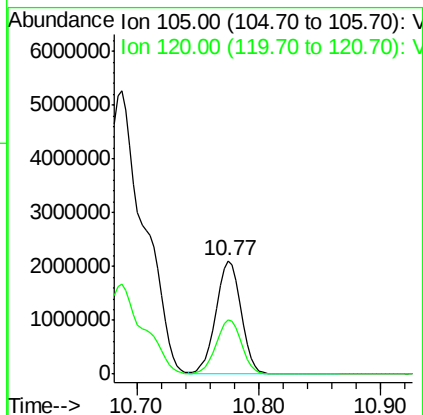
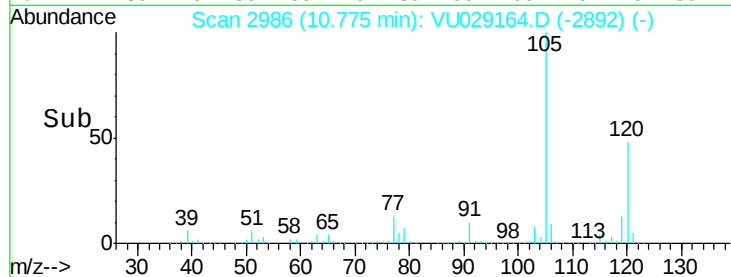
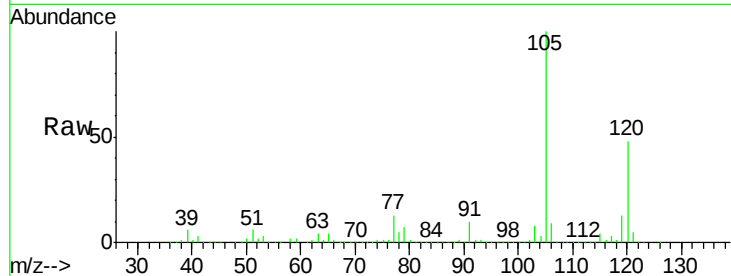
120 48.4 24.8 74.4

Manual Integrations

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#84

1,2,4-Trimethylbenzene

Concen: 1908.780 ug/l

RT: 11.16 min Scan# 3105

Delta R.T. 0.01 min

Lab File: VU029164.D

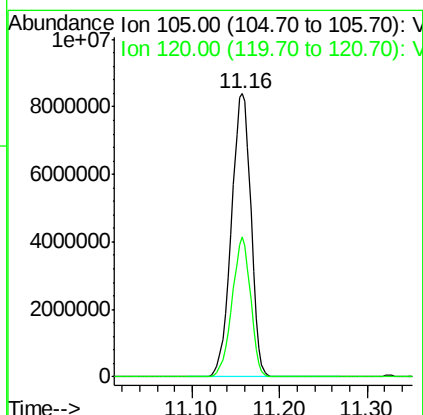
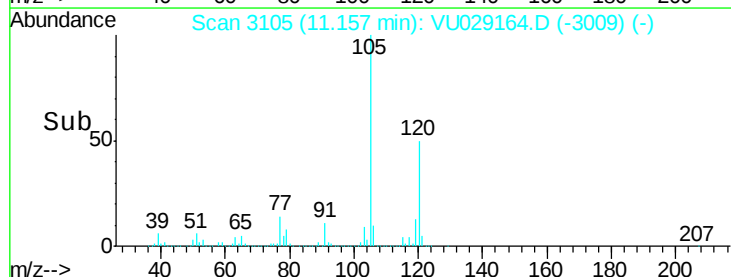
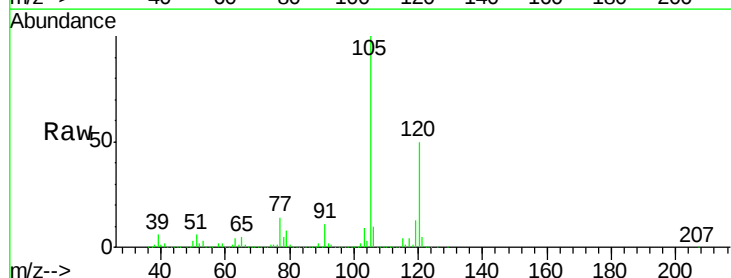
Acq: 14 Jan 2019 14:36

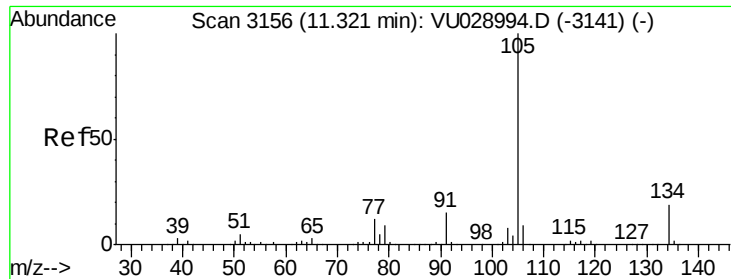
Tgt Ion:105 Resp:12956573

Ion Ratio Lower Upper

105 100

120 46.9 23.1 69.3





#85

sec-Butylbenzene

Concen: 6.920 ug/l m

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU029164.D

Acq: 14 Jan 2019 14:36

Instrument :

MSVOA_U

ClientSampleId :

MW-102

Tot Ion:105 Resp: 56081

Ion Ratio Lower Upper

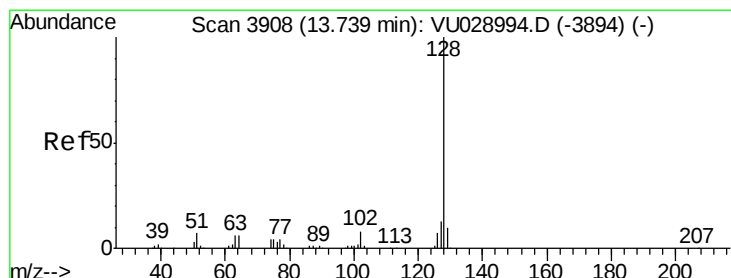
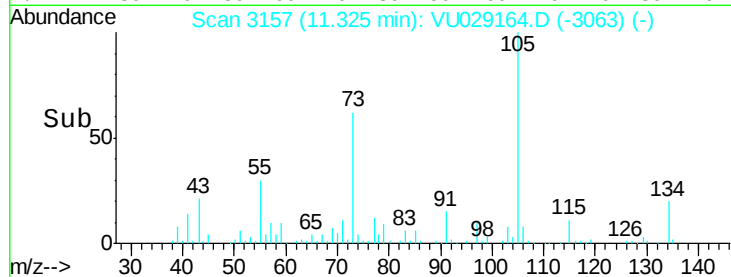
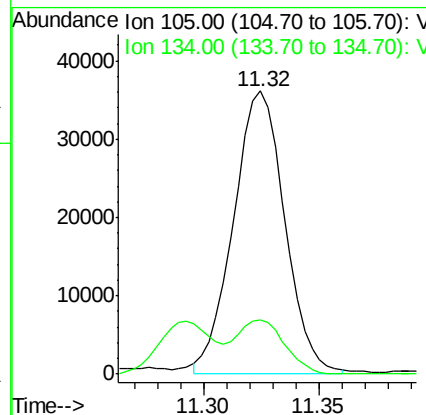
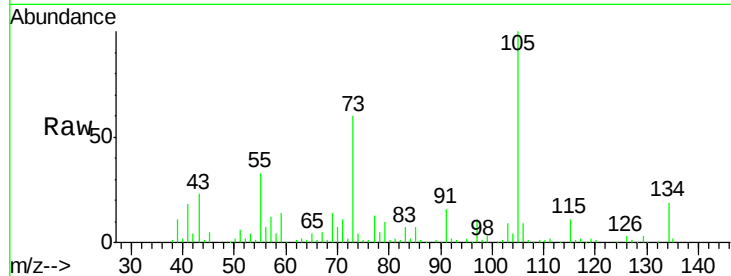
105 100

134 0.0 9.7 29.1#

Manual Integrations
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#95

Naphthalene

Concen: 507.166 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU029164.D

Acq: 14 Jan 2019 14:36

Tgt Ion:128 Resp: 4316917

Ion Ratio Lower Upper

128 100

127 12.9 10.1 15.1

129 11.0 8.5 12.7

