

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN031819\
 Data File : VN054384.D
 Acq On : 18 Mar 2019 10:48
 Operator : JC/SP
 Sample : K1894-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RFK-RMAB-MW08-GW

Manual Integrations
 APPROVED

MMDadoda
 3/19/2019 9:23:41 AM

Quant Time: Mar 23 00:54:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1877292	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2656278	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2363719	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	1136164	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	896815	44.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.96%	
35) Dibromofluoromethane	7.59	113	792698	46.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.54%	
50) Toluene-d8	10.09	98	3156454	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	
62) 4-Bromofluorobenzene	12.40	95	1091463	49.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.60%	
Target Compounds						
					Qvalue	
16) Acetone	3.82	43	31929	5.593	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	302932	6.266	ug/l #	23
25) 2-Butanone	6.86	43	13222m	1.973	ug/l	
31) Cyclohexane	7.65	56	241761	7.009	ug/l #	91
39) Methylcyclohexane	9.08	83	316728	10.523	ug/l	98
40) Benzene	8.04	78	1621651	23.166	ug/l	100
52) Toluene	10.16	92	1533279	34.545	ug/l	99
67) Ethyl Benzene	11.50	91	22399709m	260.357	ug/l	
68) m/p-Xylenes	11.60	106	28286066m	841.189	ug/l	
69) o-Xylene	11.94	106	21898708m	668.051	ug/l	
73) Isopropylbenzene	12.25	105	2235186	24.589	ug/l	100
78) n-propylbenzene	12.59	91	5441257	55.167	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	14401088	190.466	ug/l	95
84) 1,2,4-Trimethylbenzene	13.02	105	25703985m	346.523	ug/l	
85) sec-Butylbenzene	13.17	105	319027	3.535	ug/l #	65
86) p-Isopropyltoluene	13.29	119	335760m	4.240	ug/l	
89) n-Butylbenzene	13.60	91	344396m	5.724	ug/l	
95) Naphthalene	15.13	128	16772844	316.698	ug/l	98

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

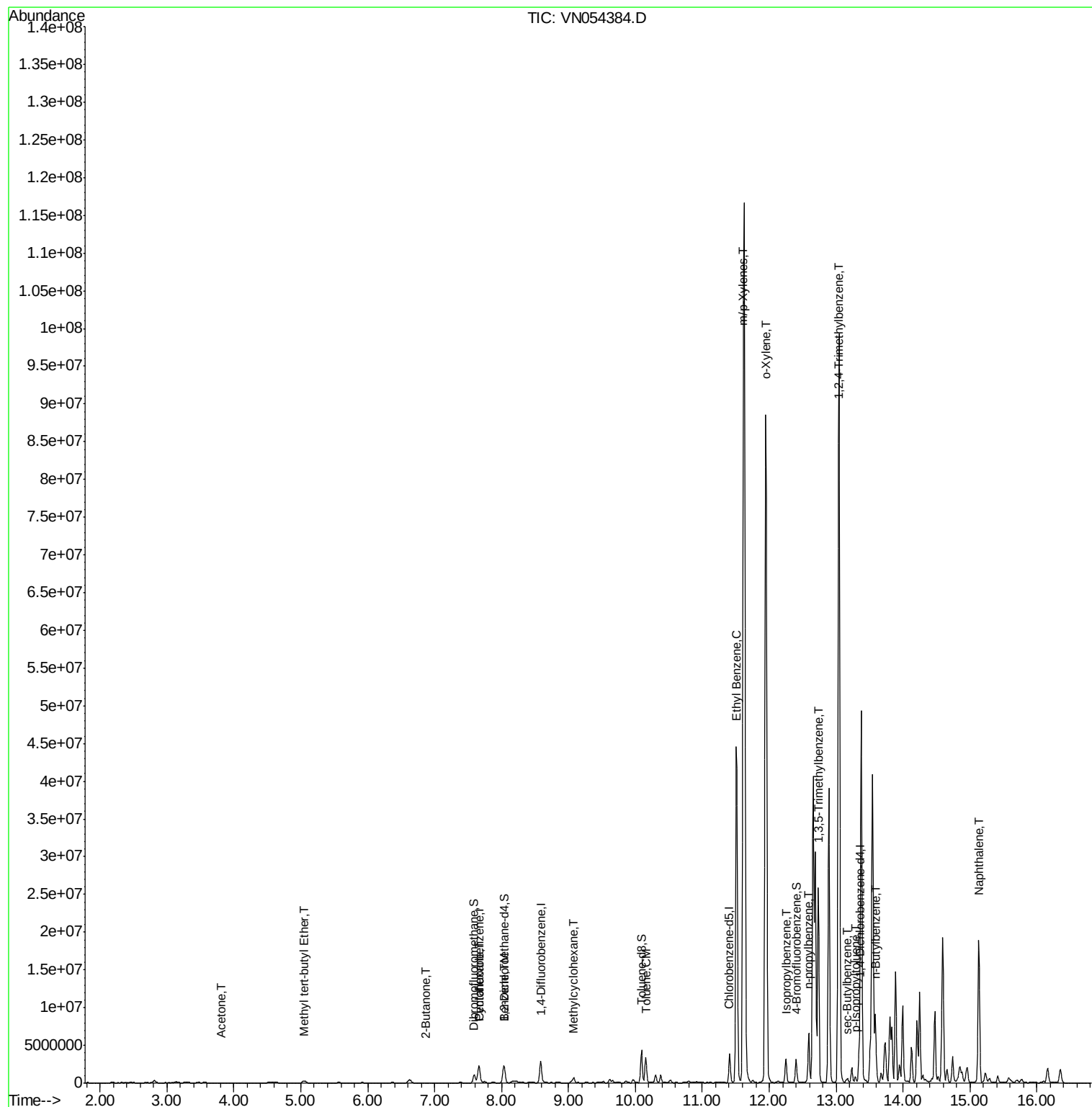
Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN031819\
Data File : VN054384.D
Acq On : 18 Mar 2019 10:48
Operator : JC/SP
Sample : K1894-04
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 6 Sample Multiplier: 1

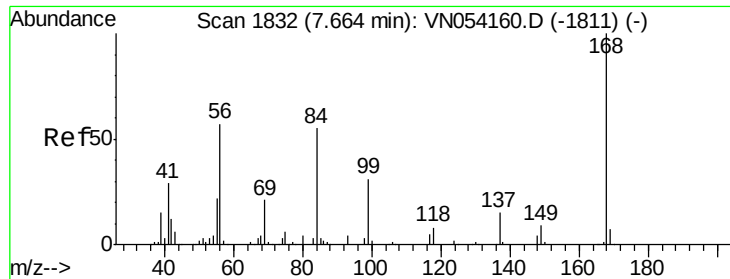
Instrument :
MSVOA_N
ClientSampleId :
RFK-RMAB-MW08-GW

Manual Integrations
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3/19/2019 9:23:41 AM

Quant Time: Mar 23 00:54:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054384.D

Acq: 18 Mar 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

RFK-RMAB-MW08-GW

Tot Ion:168 Resp: 1877292

Ion Ratio Lower Upper

168 100

99 48.0

37.1

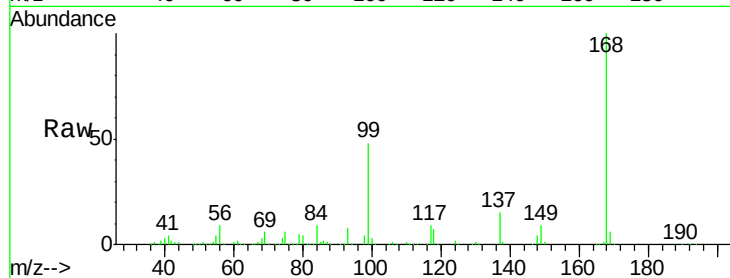
55.7

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Abundance Ion 167.90 (167.60 to 168.60): VN054160.D (-1811) (-)

Ion 98.90 (98.60 to 99.60): VN054160.D (-1811) (-)

7.66

800000

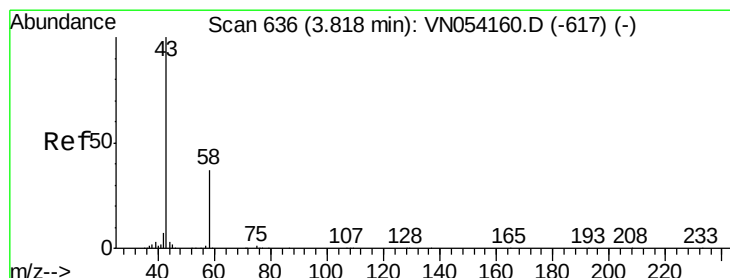
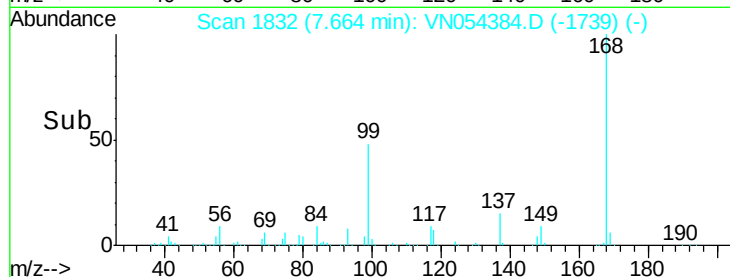
600000

400000

200000

0

Time--> 7.50 7.60 7.70 7.80



#16

Acetone

Concen: 5.593 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN054384.D

Acq: 18 Mar 2019 10:48

Tgt Ion: 43 Resp: 31929

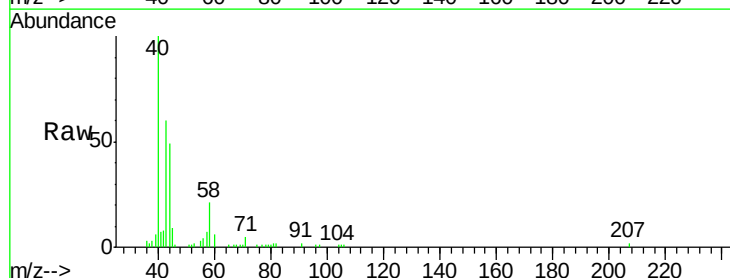
Ion Ratio Lower Upper

43 100

58 38.9

29.9

44.9



Abundance Ion 43.00 (42.70 to 43.70): VN054160.D (-617) (-)

Ion 58.00 (57.70 to 58.70): VN054160.D (-617) (-)

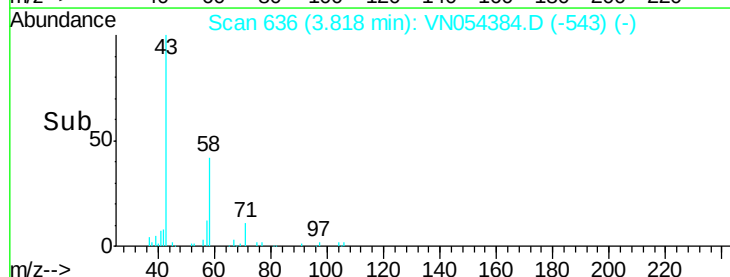
3.82

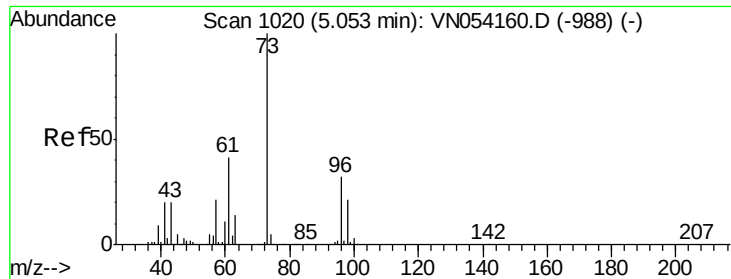
10000

5000

0

Time--> 3.70 3.75 3.80 3.85 3.90





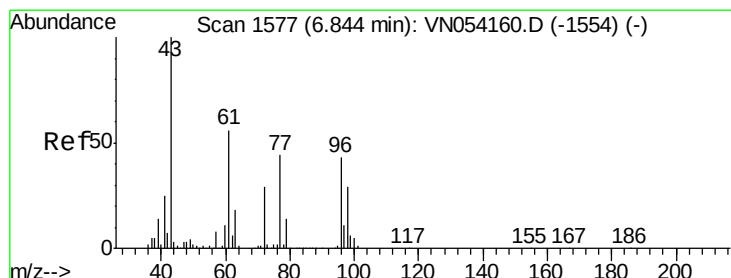
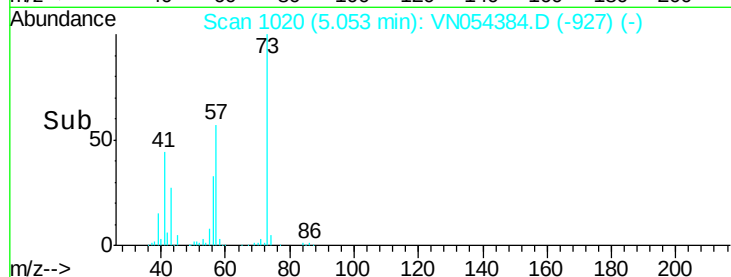
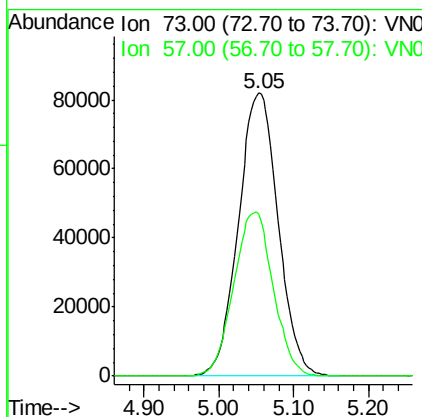
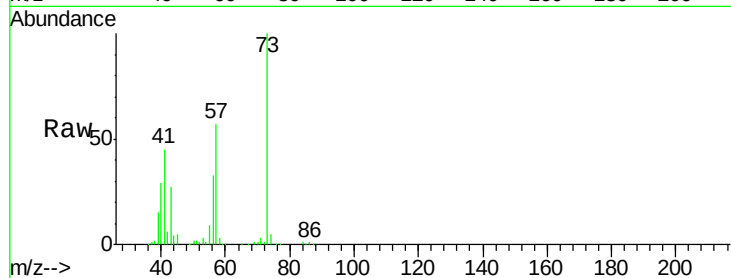
#19
Methyl tert-butyl Ether
Concen: 6.266 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN054384.D
Acq: 18 Mar 2019 10:48

Instrument :
MSVOA_N
ClientSampleId :
RFK-RMAB-MW08-GW

Tot Ion: 73 Resp: 302932
Ion Ratio Lower Upper
73 100
57 57.1 16.8 25.2#

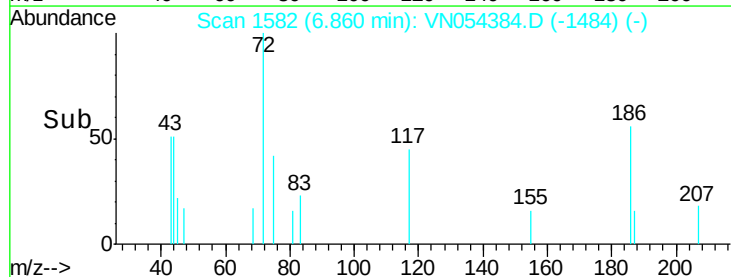
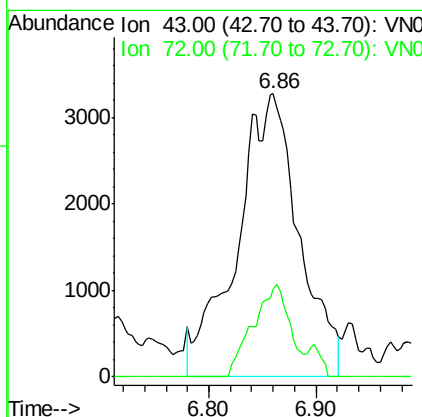
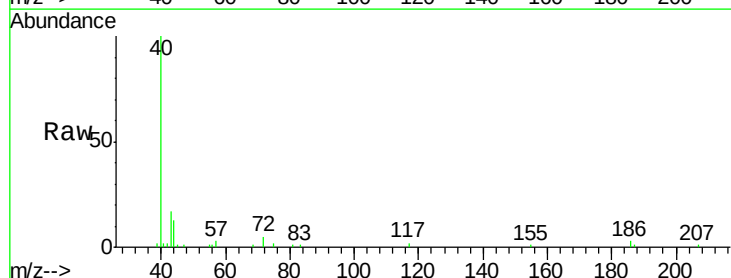
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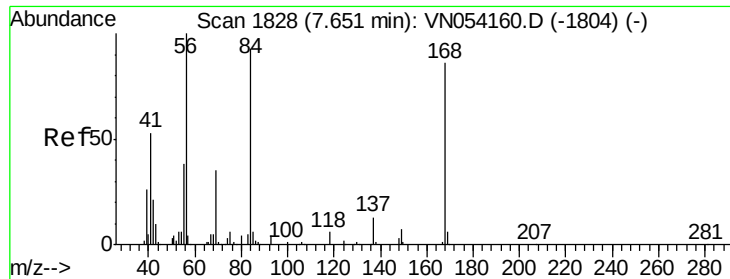
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#25
2-Butanone
Concen: 1.973 ug/l m
RT: 6.86 min Scan# 1582
Delta R.T. 0.02 min
Lab File: VN054384.D
Acq: 18 Mar 2019 10:48

Tgt Ion: 43 Resp: 13222
Ion Ratio Lower Upper
43 100
72 30.7 23.0 34.6





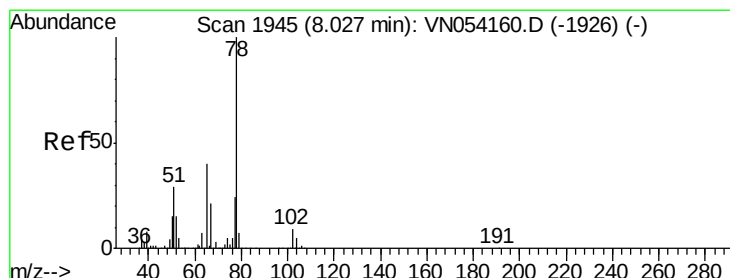
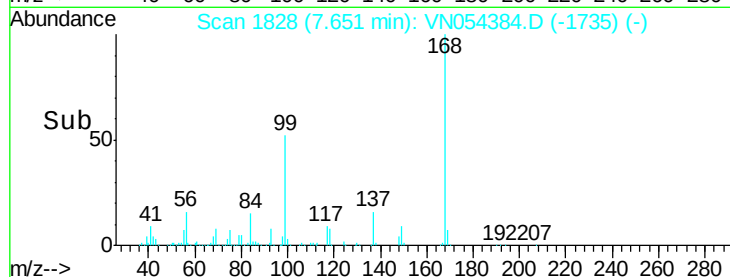
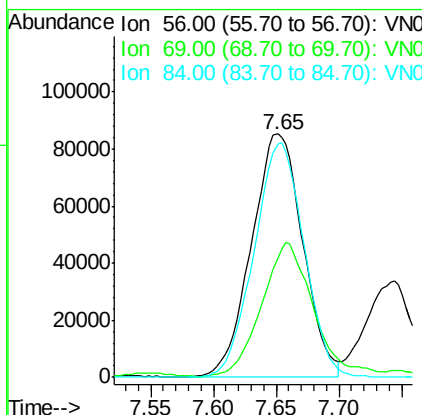
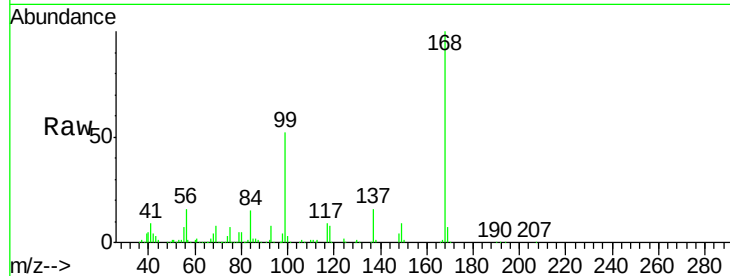
#31
Cyclohexane
Concen: 7.009 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054384.D
Acq: 18 Mar 2019 10:48

Instrument :
MSVOA_N
ClientSampleId :
RFK-RMAB-MW08-GW

Tot Ion	Ratio	Lower	Upper
56	100		
69	48.7	27.8	41.6#
84	96.3	74.6	111.8

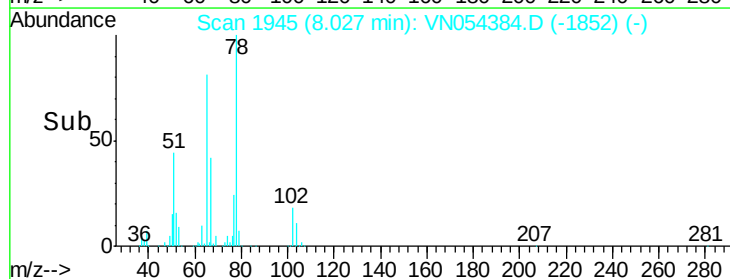
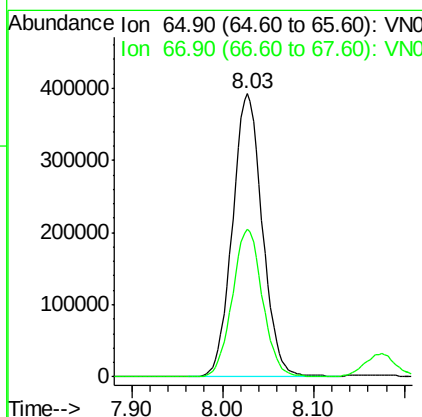
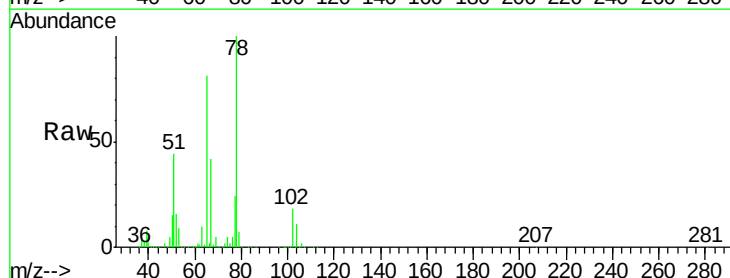
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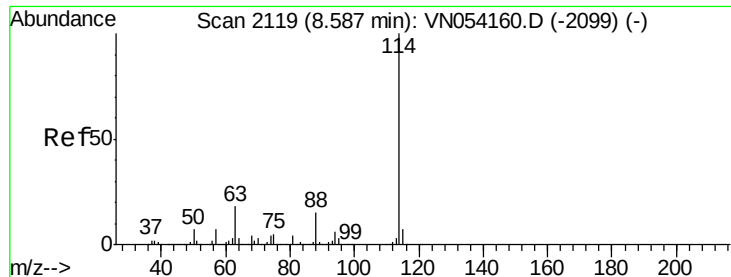
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#33
1,2-Dichloroethane-d4
Concen: 44.983 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN054384.D
Acq: 18 Mar 2019 10:48

Tgt Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	104.6





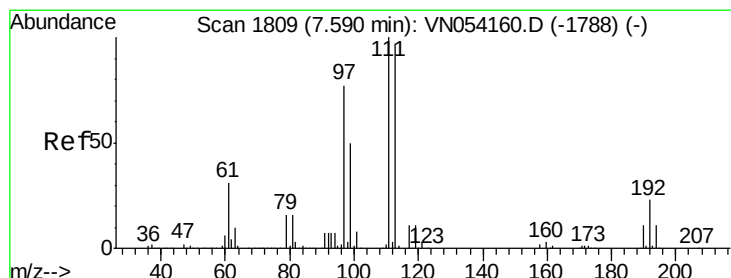
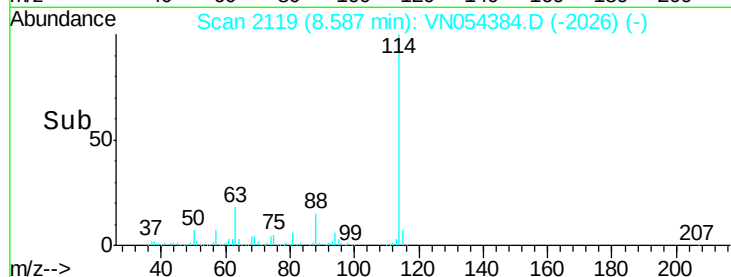
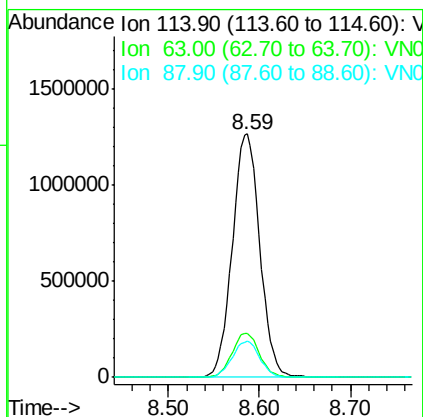
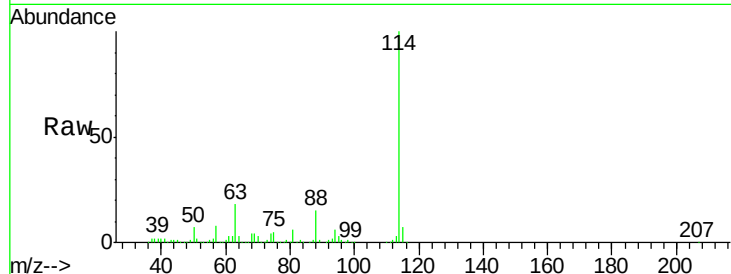
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054384.D
 Acq: 18 Mar 2019 10:48

Instrument :
 MSVOA_N
 ClientSampleId :
 RFK-RMAB-MW08-GW

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.0	0.0	35.2
88	14.8	0.0	30.2

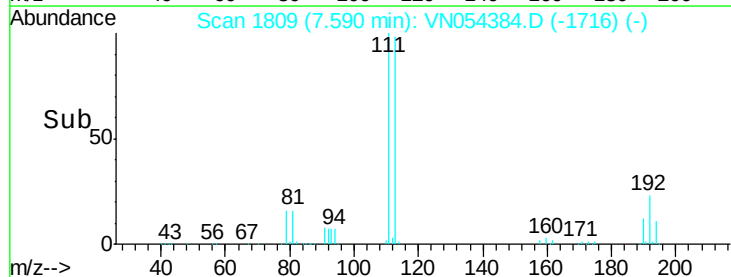
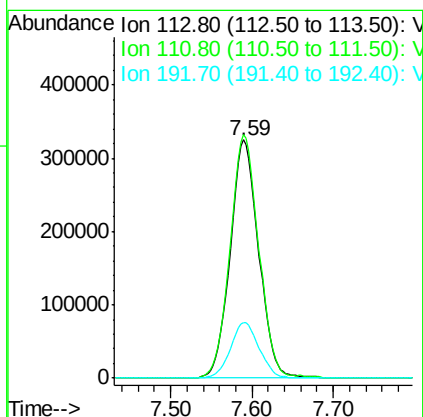
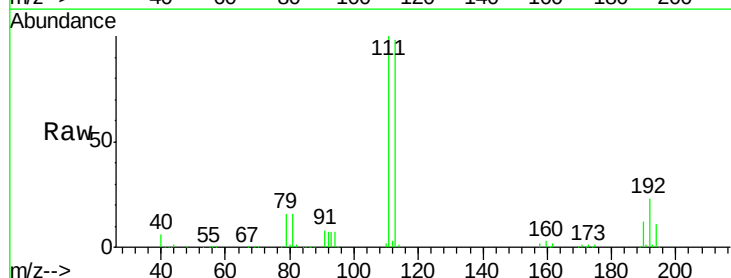
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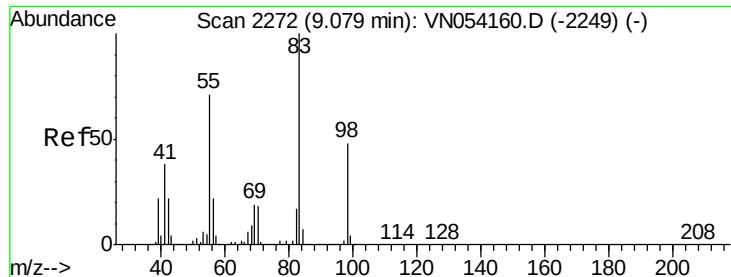
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#35
 Dibromofluoromethane
 Concen: 46.270 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054384.D
 Acq: 18 Mar 2019 10:48

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.2	123.4
192	23.6	19.2	28.8





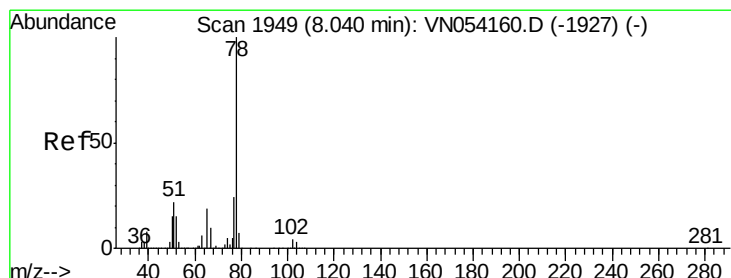
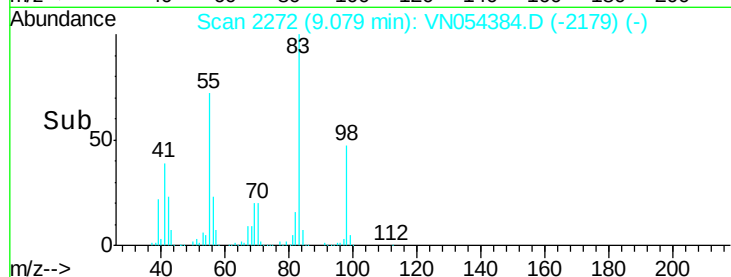
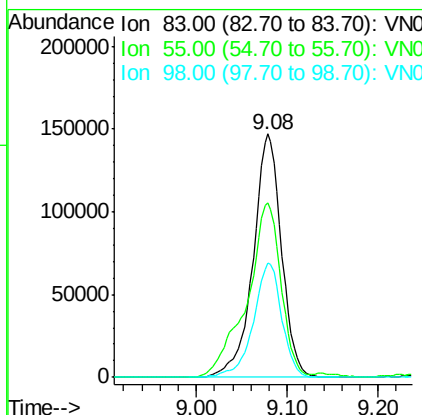
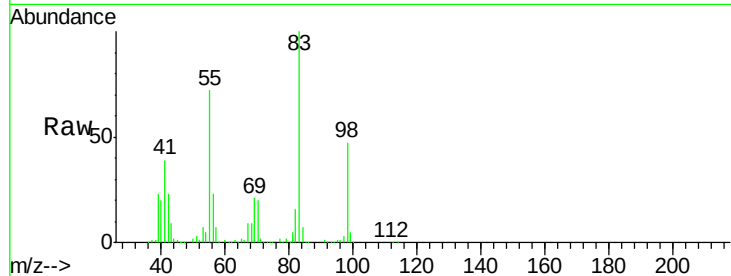
#39
Methylvlcyclohexane
Concen: 10.523 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054384.D
Acq: 18 Mar 2019 10:48

Instrument :
MSVOA_N
ClientSampleId :
RFK-RMAB-MW08-GW

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	71.9	56.6	84.8	
98	46.9	38.4	57.6	

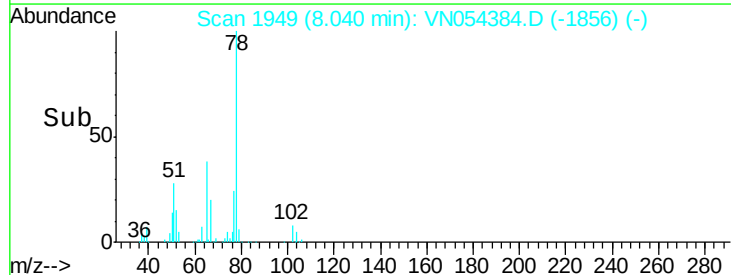
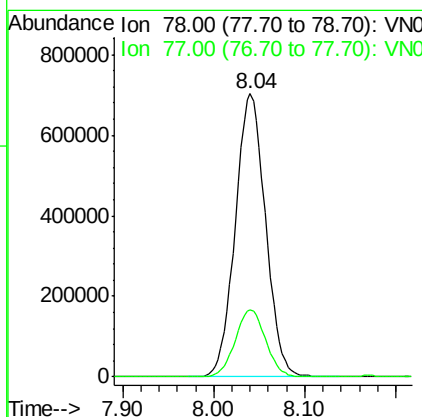
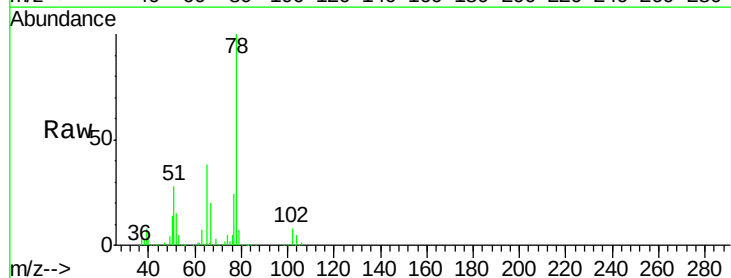
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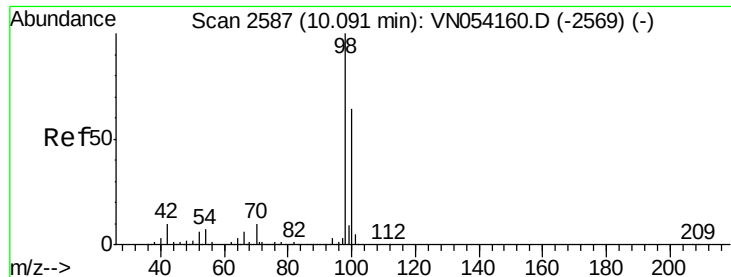
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#40
Benzene
Concen: 23.166 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054384.D
Acq: 18 Mar 2019 10:48

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.9	19.1	28.7	





#50

Toluene-d8

Concen: 49.888 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054384.D

Acq: 18 Mar 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

RFK-RMAB-MW08-GW

Tot Ion: 98 Resp: 3156454

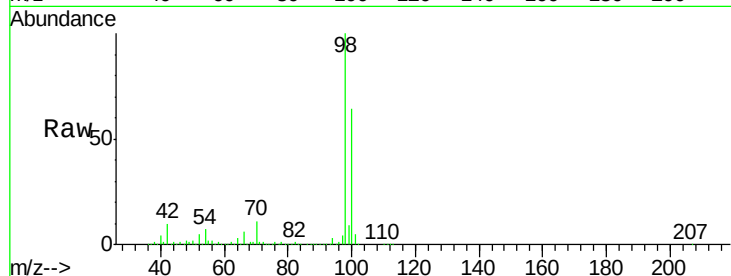
Ion Ratio Lower Upper

98 100

100 63.8 51.2 76.8

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Abundance Ion 98.00 (97.70 to 98.70): VN054384.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN054384.D (-2569) (-)

2000000

1500000

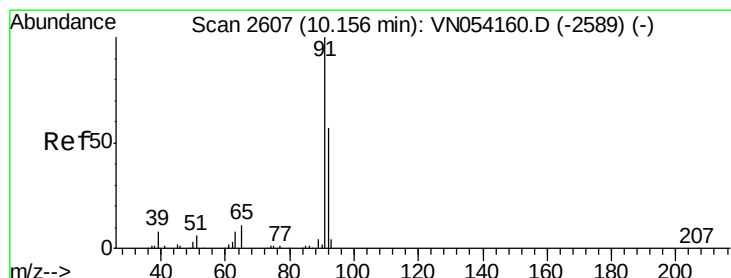
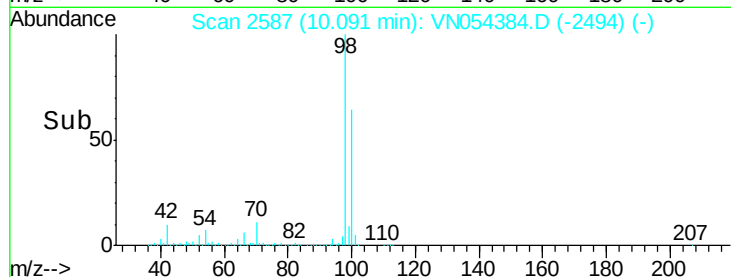
1000000

500000

0

10.00 10.10 10.20

Time-->



#52

Toluene

Concen: 34.545 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054384.D

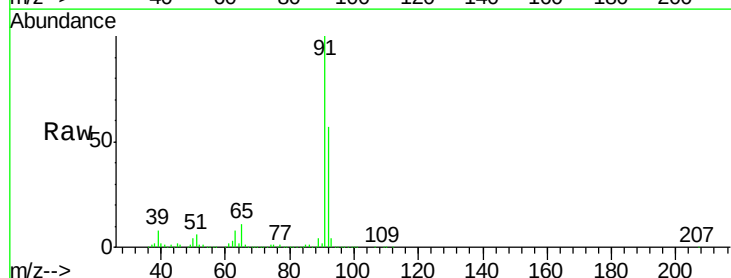
Acq: 18 Mar 2019 10:48

Tgt Ion: 92 Resp: 1533279

Ion Ratio Lower Upper

92 100

91 174.8 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN054384.D (-2514) (-)

Ion 91.00 (90.70 to 91.70): VN054384.D (-2514) (-)

1500000

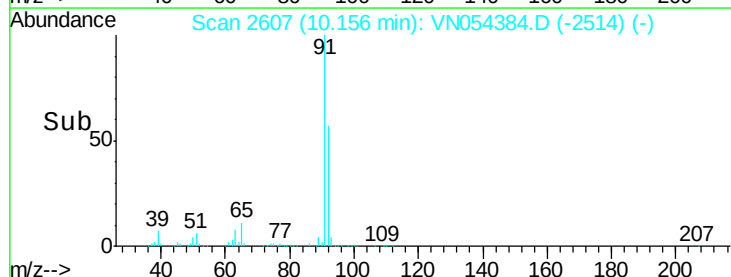
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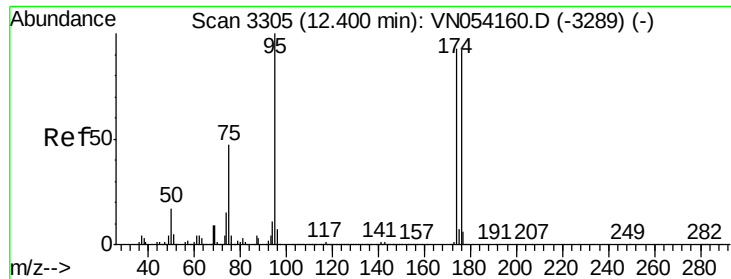
500000

0

10.10 10.20 10.30

Time-->





#62

4-Bromofluorobenzene

Concen: 49.302 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054384.D

Acq: 18 Mar 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

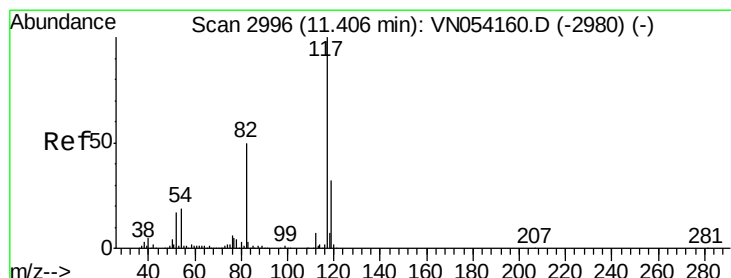
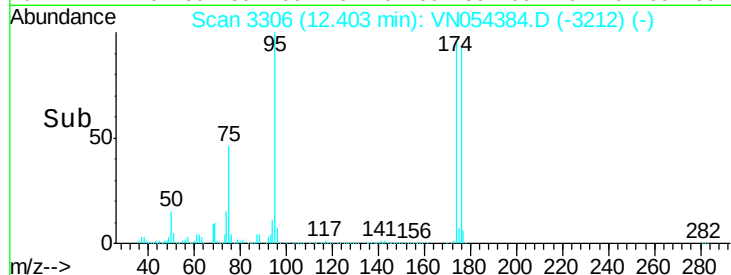
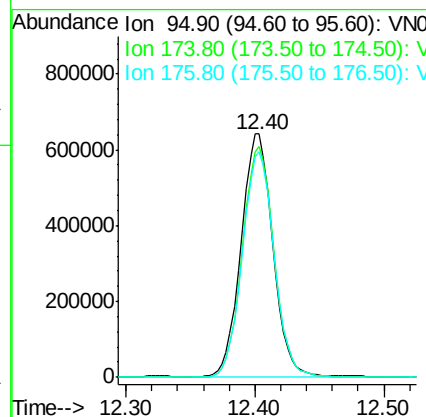
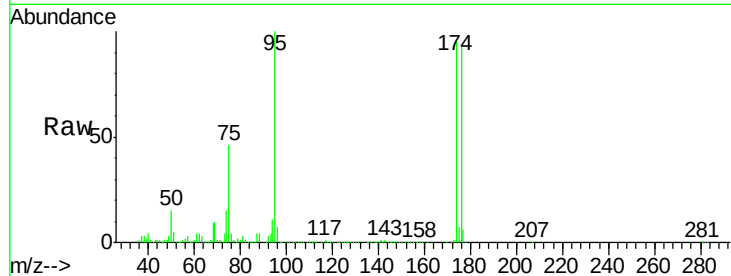
RFK-RMAB-MW08-GW

Tot Ion: 95 Resp: 1091463

Ion	Ratio	Lower	Upper
95	100		
174	95.5	0.0	191.0
176	93.4	0.0	187.4

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

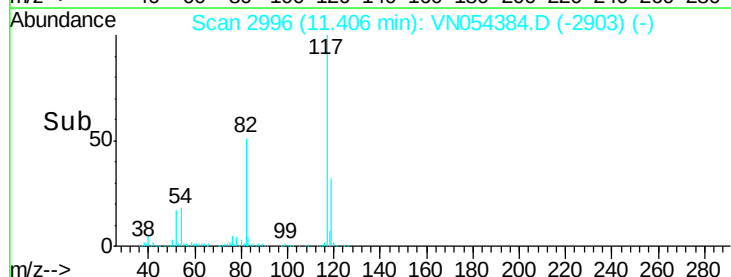
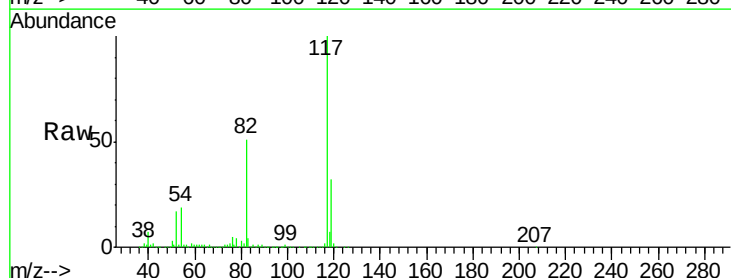
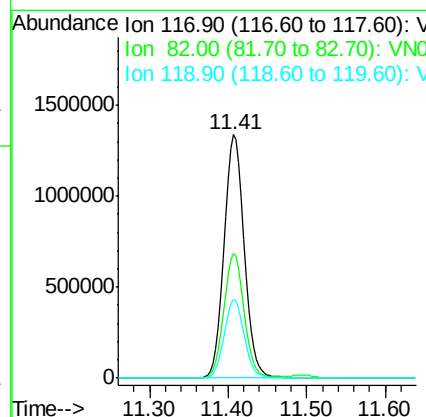
Delta R.T. 0.00 min

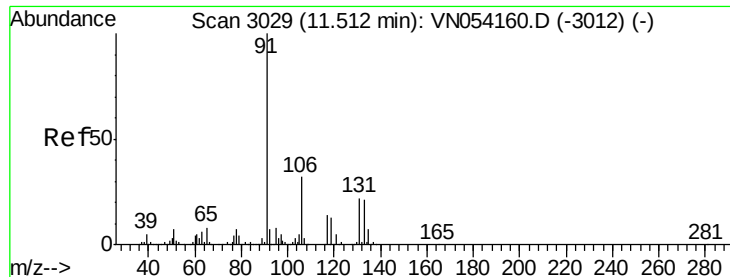
Lab File: VN054384.D

Acq: 18 Mar 2019 10:48

Tgt Ion: 117 Resp: 2363719

Ion	Ratio	Lower	Upper
117	100		
82	51.3	40.0	60.0
119	32.3	25.8	38.6





#67

Ethyl Benzene

Concen: 260.357 ug/l m

RT: 11.50 min Scan# 3024

Delta R.T. -0.02 min

Lab File: VN054384.D

Acq: 18 Mar 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

RFK-RMAB-MW08-GW

Tot Ion: 91 Resp:22399709

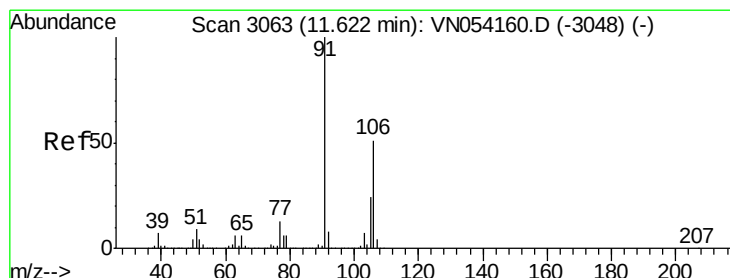
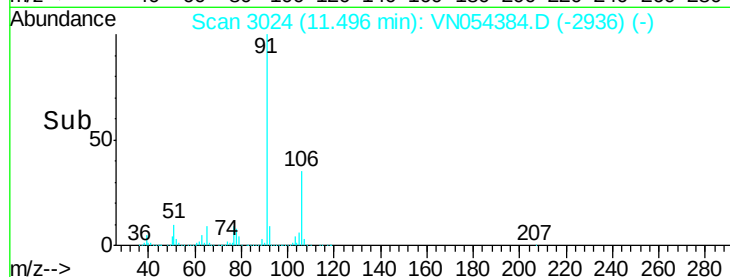
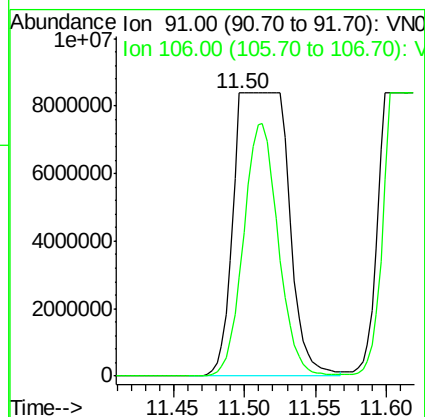
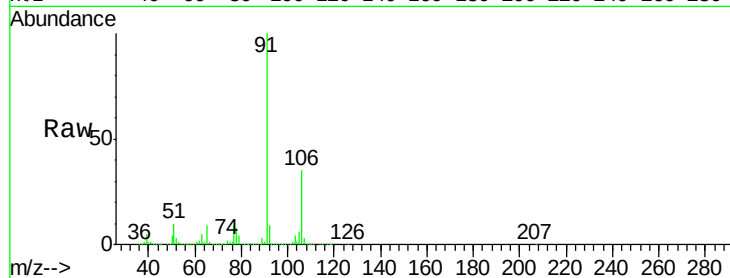
Ion Ratio Lower Upper

91 100

106 34.8 25.5 38.3

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#68

m/p-Xylenes

Concen: 841.189 ug/l m

RT: 11.60 min Scan# 3057

Delta R.T. -0.02 min

Lab File: VN054384.D

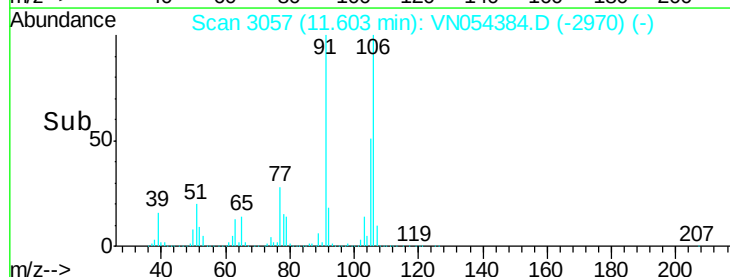
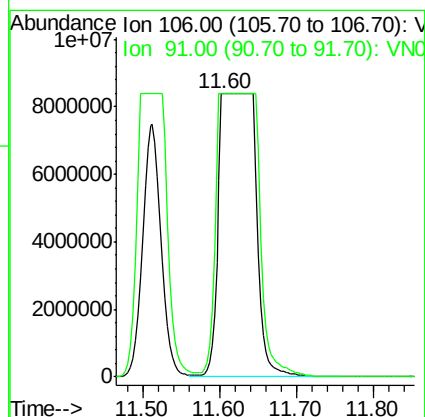
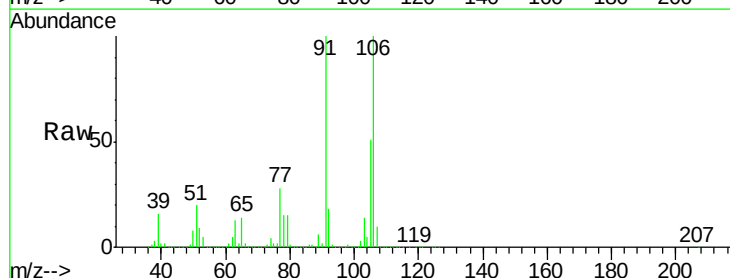
Acq: 18 Mar 2019 10:48

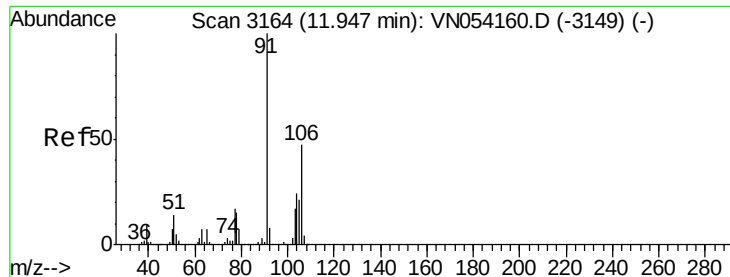
Tgt Ion:106 Resp:28286066

Ion Ratio Lower Upper

106 100

91 0.0 159.4 239.2#





#69

o-Xylene

Concen: 668.051 ug/l m

RT: 11.94 min Scan# 3161

Delta R.T. -0.01 min

Lab File: VN054384.D

Acq: 18 Mar 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

RFK-RMAB-MW08-GW

Tot Ion:106 Resp:21898708

Ion Ratio Lower Upper

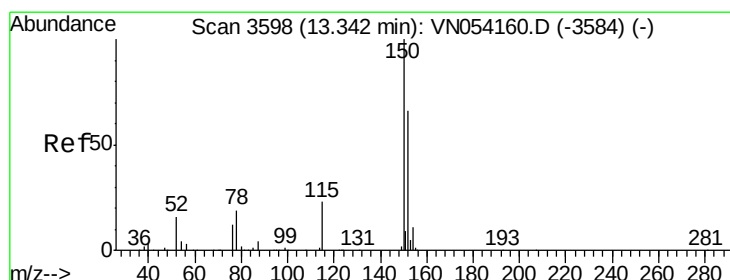
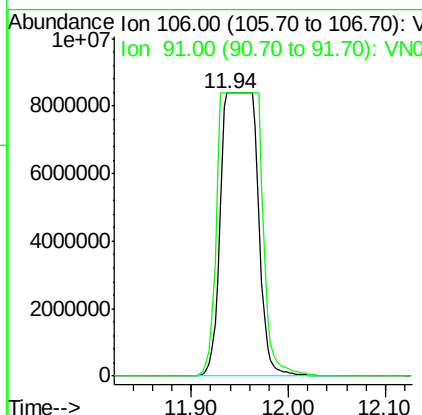
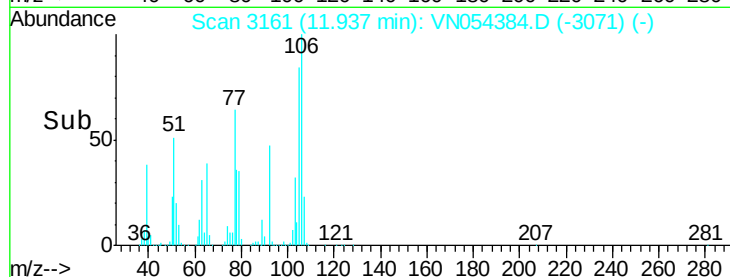
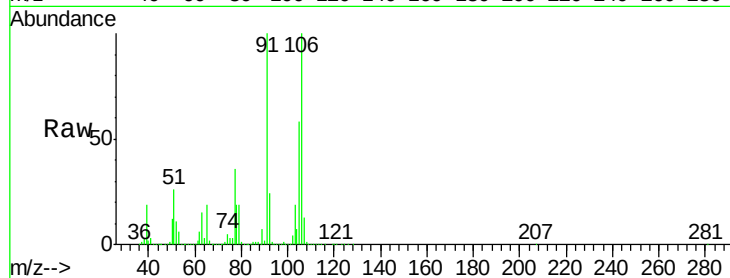
106 100

91 0.0 105.7 317.1#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054384.D

Acq: 18 Mar 2019 10:48

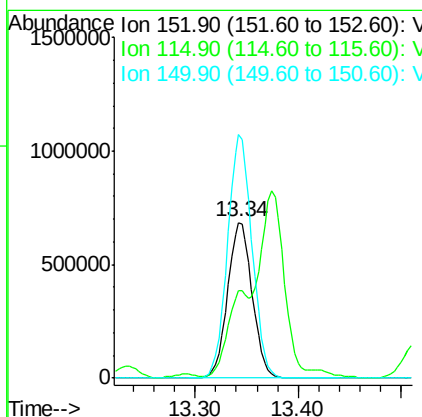
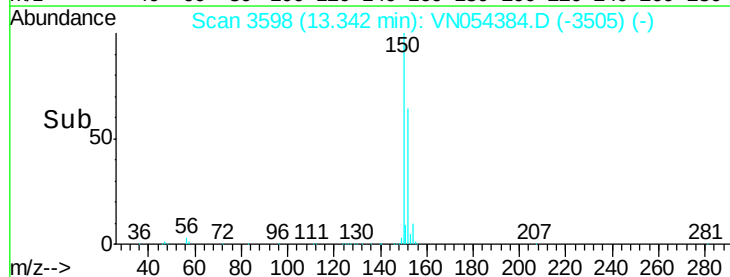
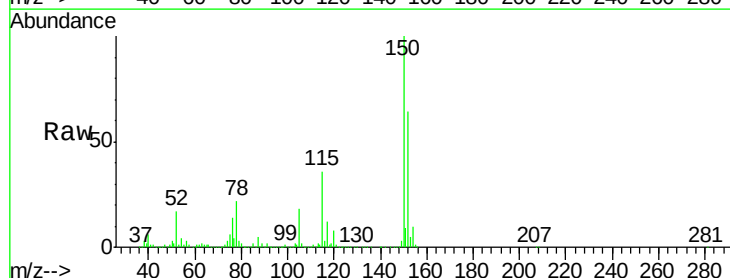
Tgt Ion:152 Resp: 1136164

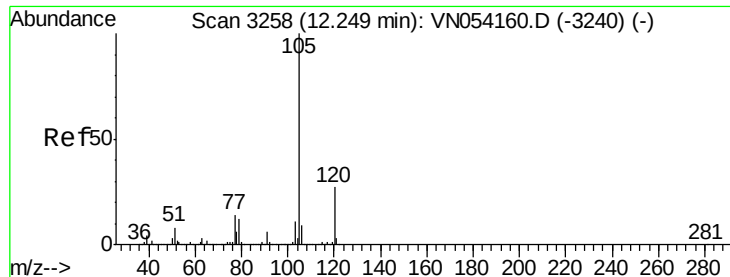
Ion Ratio Lower Upper

152 100

115 46.2 27.2 81.6

150 156.1 0.0 349.2





#73

Isopropylbenzene

Concen: 24.589 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054384.D

Acq: 18 Mar 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

RFK-RMAB-MW08-GW

Tot Ion:105 Resp: 2235186

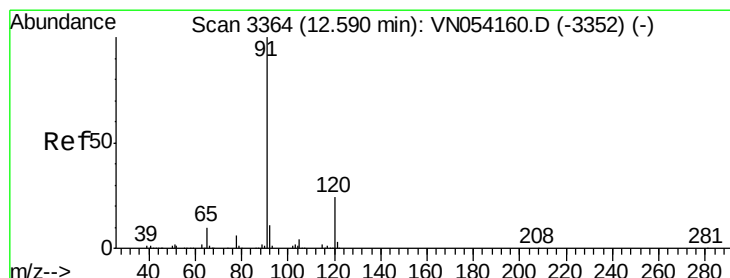
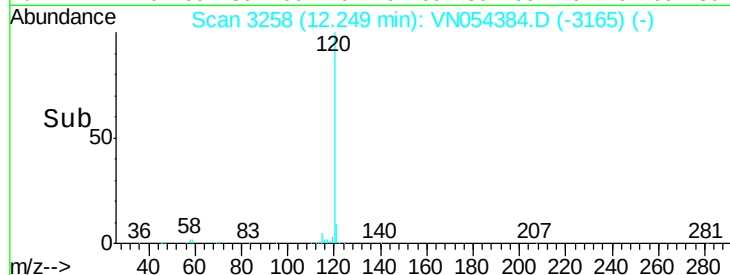
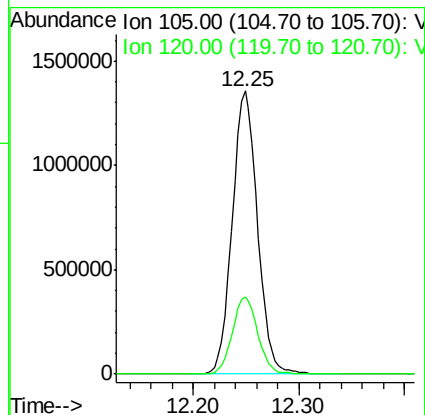
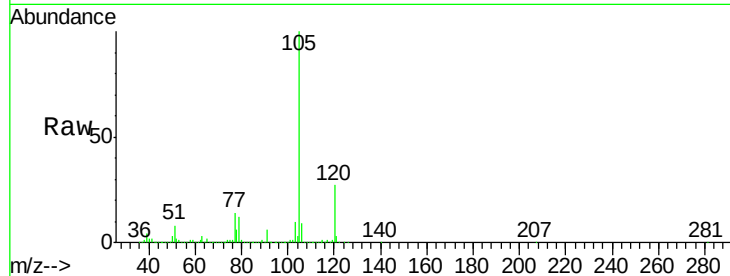
Ion Ratio Lower Upper

105 100

120 27.6 13.8 41.3

Manual Integrations
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#78

n-propylbenzene

Concen: 55.167 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054384.D

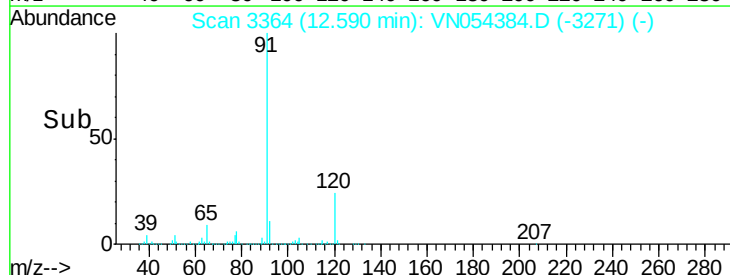
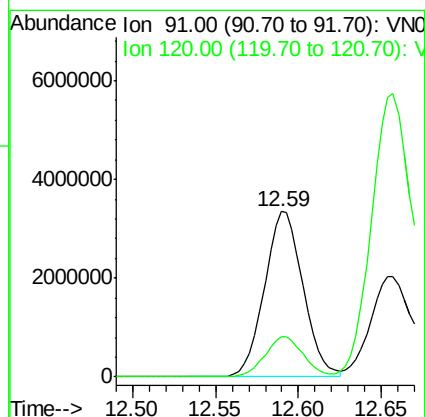
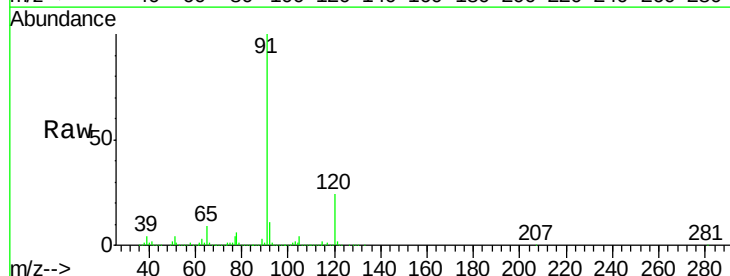
Acq: 18 Mar 2019 10:48

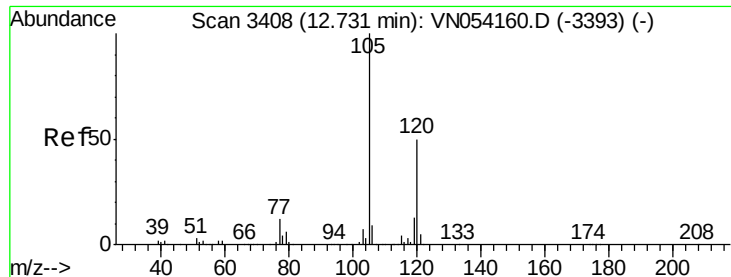
Tgt Ion: 91 Resp: 5441257

Ion Ratio Lower Upper

91 100

120 24.2 12.3 36.9





#80

1,3,5-Trimethylbenzene

Concen: 190.466 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN054384.D

Acq: 18 Mar 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

RFK-RMAB-MW08-GW

Tot Ion:105 Resp:14401088

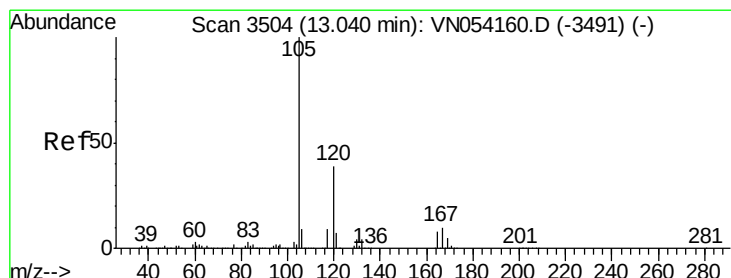
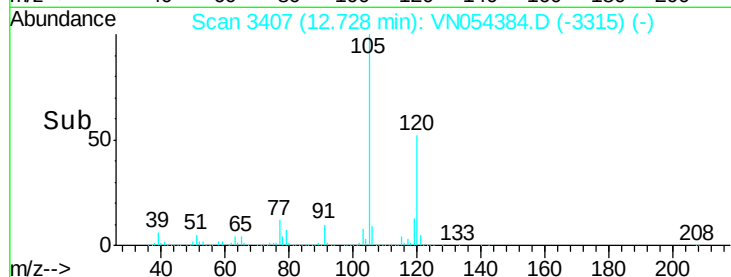
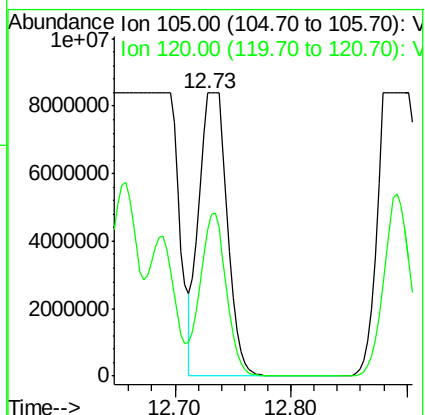
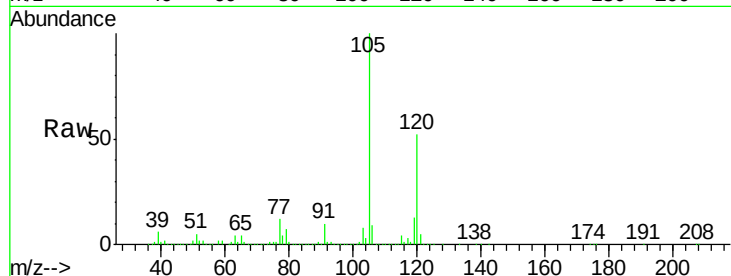
Ion Ratio Lower Upper

105 100

120 53.5 25.0 75.0

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 346.523 ug/l m

RT: 13.02 min Scan# 3499

Delta R.T. -0.02 min

Lab File: VN054384.D

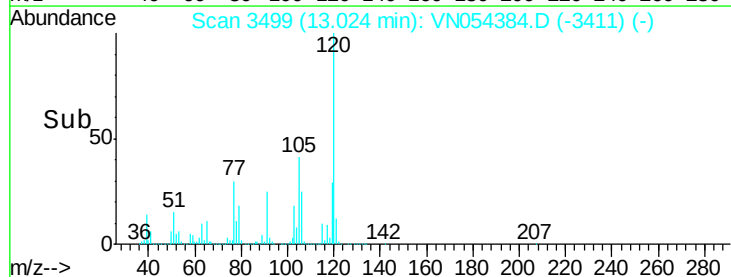
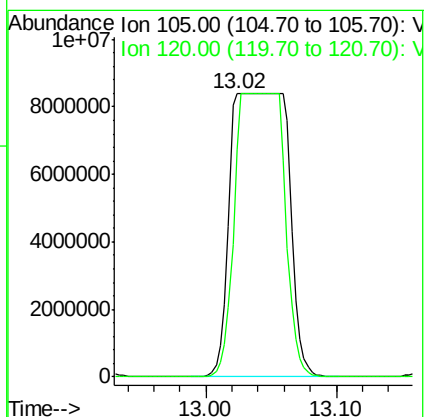
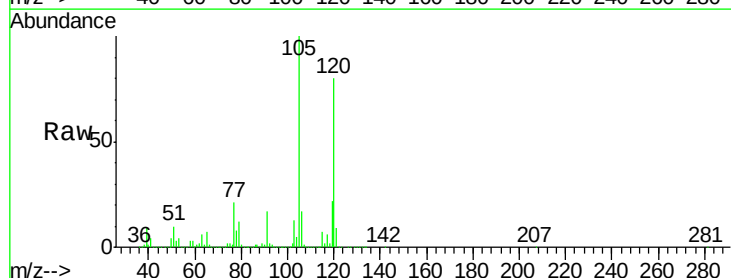
Acq: 18 Mar 2019 10:48

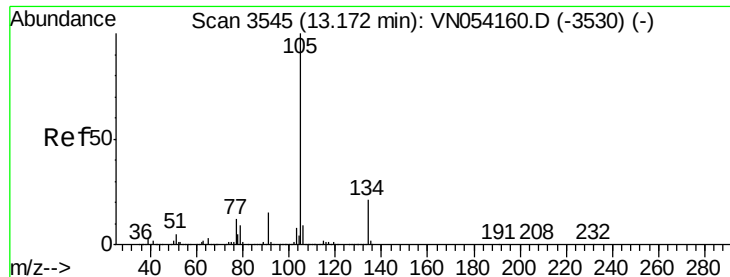
Tgt Ion:105 Resp:25703985

Ion Ratio Lower Upper

105 100

120 0.0 23.4 70.3#





#85

sec-Butylbenzene

Concen: 3.535 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054384.D

Acq: 18 Mar 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

RFK-RMAB-MW08-GW

Tot Ion:105 Resp: 319027

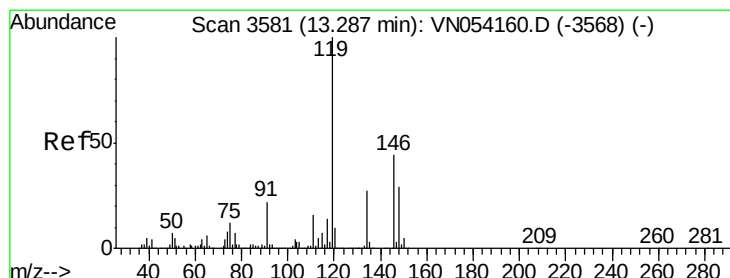
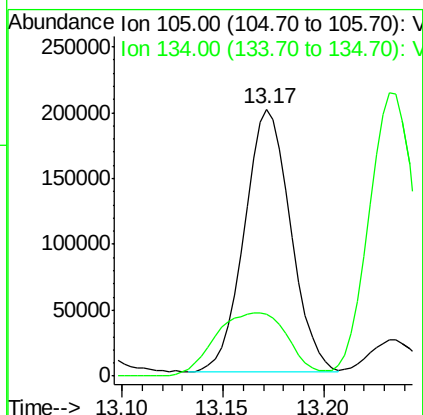
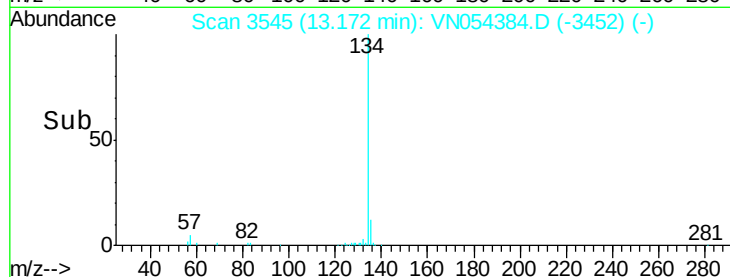
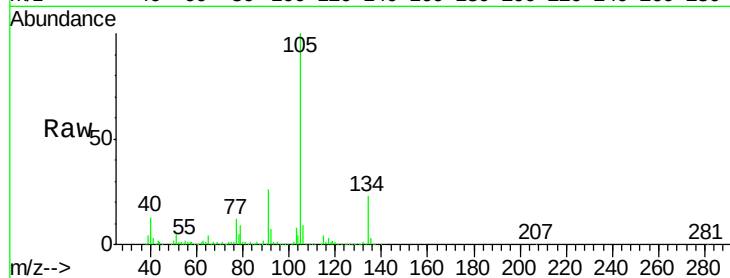
Ion Ratio Lower Upper

105 100

134 37.8 10.7 32.1#

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#86

p-Isopropyltoluene

Concen: 4.240 ug/l m

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054384.D

Acq: 18 Mar 2019 10:48

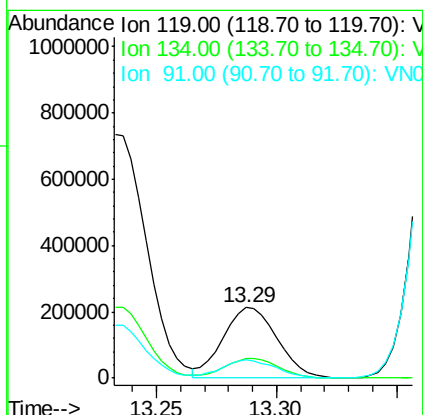
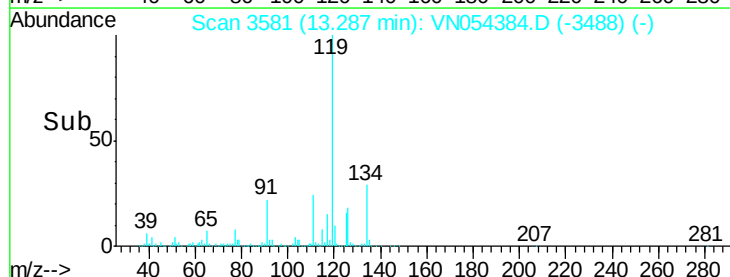
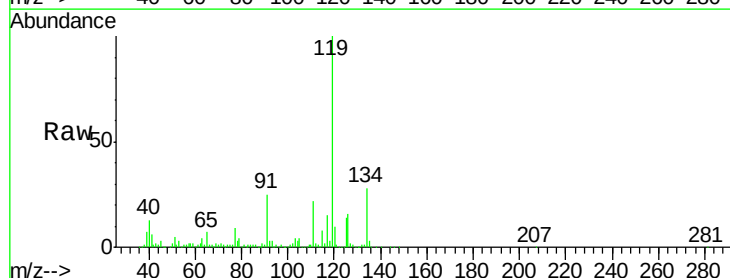
Tgt Ion:119 Resp: 335760

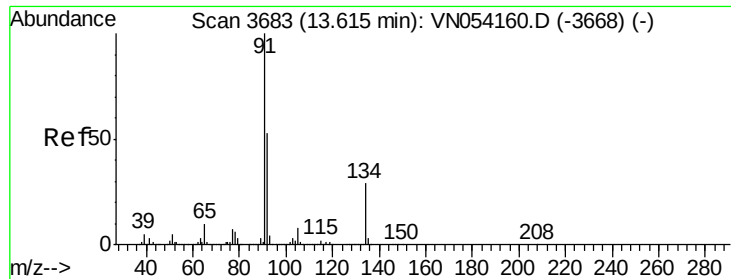
Ion Ratio Lower Upper

119 100

134 103.7 13.6 40.8#

91 0.0 11.1 33.3#





#89

n-Butylbenzene

Concen: 5.724 ug/l m

RT: 13.60 min Scan# 3678

Delta R.T. -0.02 min

Lab File: VN054384.D

Acq: 18 Mar 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

RFK-RMAB-MW08-GW

Tot Ion: 91 Resp: 344396

Ion Ratio Lower Upper

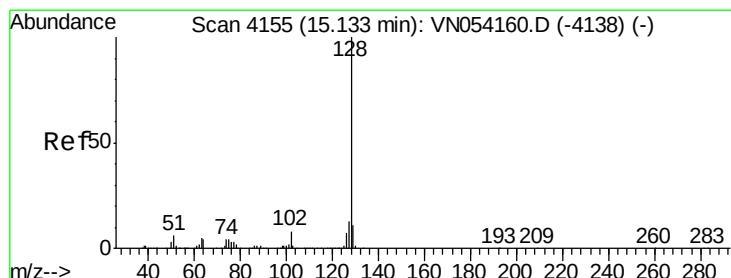
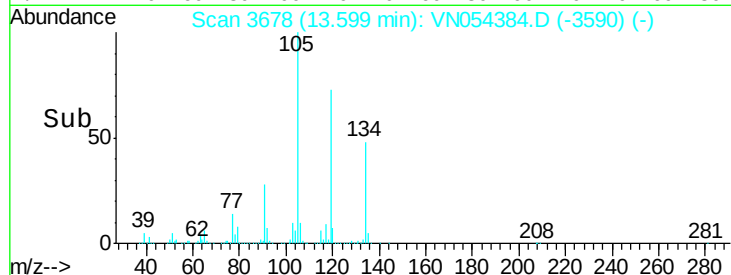
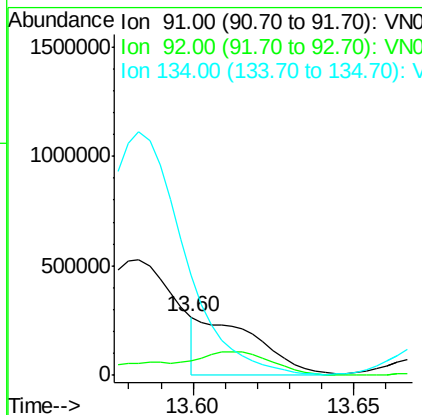
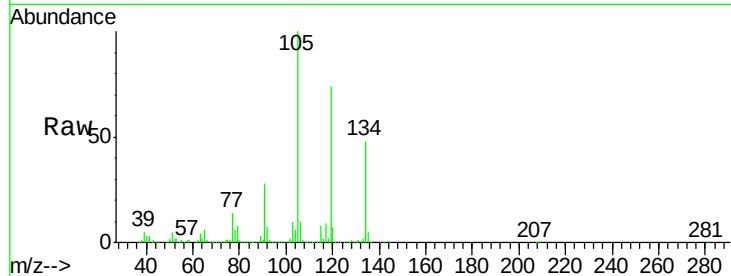
91 100

92 17.6 26.2 78.6#

134 563.7 14.3 42.9#

Manual Integrations
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#95

Naphthalene

Concen: 316.698 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.01 min

Lab File: VN054384.D

Acq: 18 Mar 2019 10:48

Tgt Ion: 128 Resp: 16772844

Ion Ratio Lower Upper

128 100

127 13.5 10.1 15.1

129 11.5 8.7 13.1

