

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072618\
 Data File : VN050120.D
 Acq On : 27 Jul 2018 7:47
 Operator : MD\SY
 Sample : J4184-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3B

Manual Integrations
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 7/27/2018 12:16:59 PM

Quant Time: Jul 27 08:48:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	864638	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1282189	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1122197	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	555262	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	529154	43.86	ug/l	0.00
Spiked Amount						
			Recovery	=	87.72%	
35) Dibromofluoromethane	7.59	113	467829	44.69	ug/l	0.00
Spiked Amount						
			Recovery	=	89.38%	
50) Toluene-d8	10.09	98	1806449	46.94	ug/l	0.00
Spiked Amount						
			Recovery	=	93.88%	
62) 4-Bromofluorobenzene	12.40	95	589389	46.51	ug/l	0.00
Spiked Amount						
			Recovery	=	93.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
17) Carbon Disulfide	4.05	76	18699	0.61	ug/l	99
31) Cyclohexane	7.66	56	162949	9.75	ug/l	# 84
39) Methylcyclohexane	9.08	83	235624	15.86	ug/l	98
40) Benzene	8.04	78	20647645	469.72	ug/l	98
52) Toluene	10.16	92	2073803	79.92	ug/l	100
67) Ethyl Benzene	11.50	91	20774673m	456.24	ug/l	
68) m/p-Xylenes	11.63	106	3516094	204.15	ug/l	100
69) o-Xylene	11.95	106	3827156	233.10	ug/l	99
73) Isopropylbenzene	12.25	105	1711311	39.74	ug/l	99
78) n-propylbenzene	12.59	91	750865	15.60	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1293735	38.19	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	4083530	119.60	ug/l	100
85) sec-Butylbenzene	13.17	105	22240m	0.56	ug/l	
86) p-Isopropyltoluene	13.29	119	295791	8.89	ug/l	97
95) Naphthalene	15.12	128	21776014m	787.32	ug/l	

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

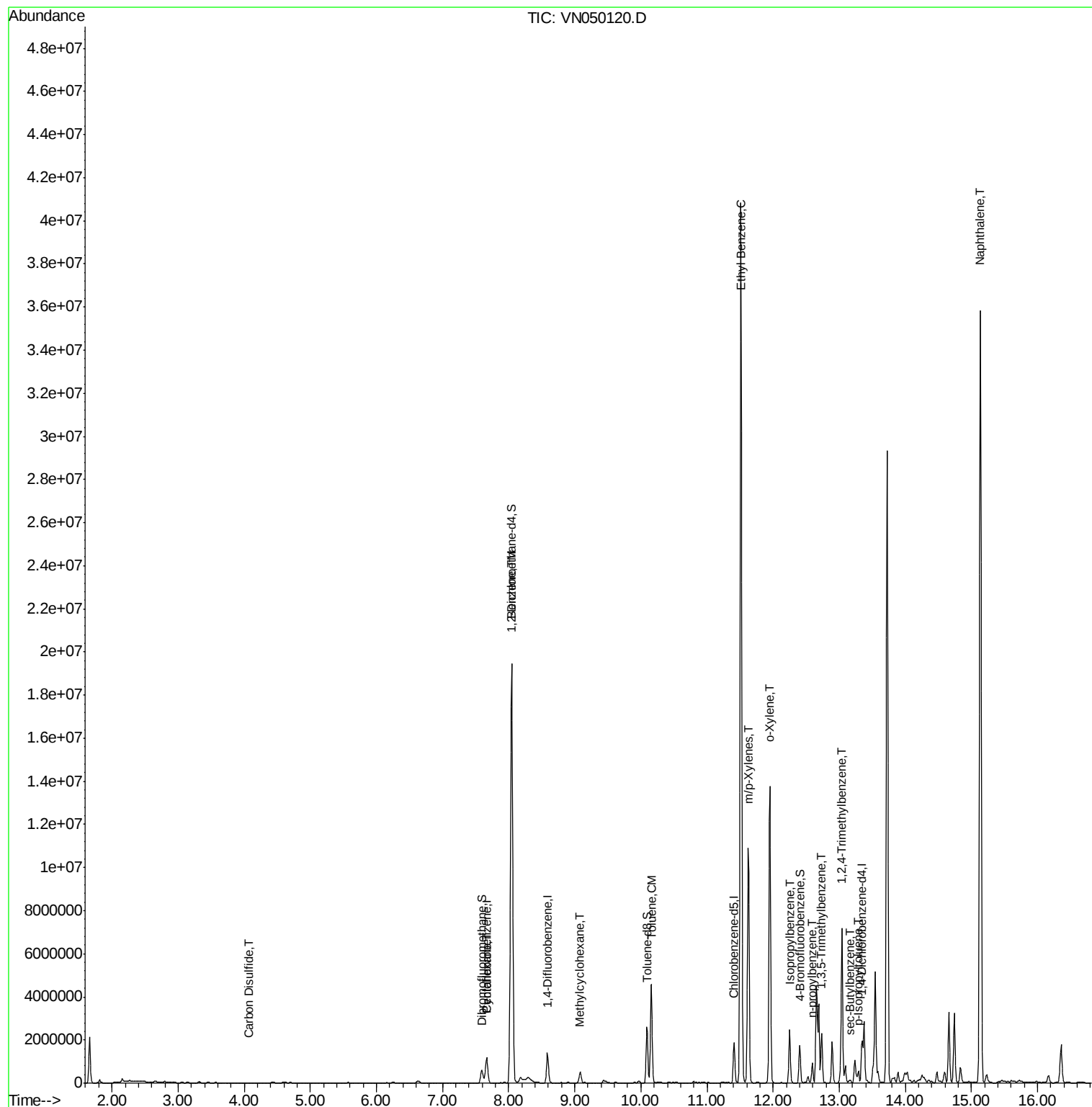
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072618\
Data File : VN050120.D
Acq On : 27 Jul 2018 7:47
Operator : MD\SY
Sample : J4184-01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 51 Sample Multiplier: 1

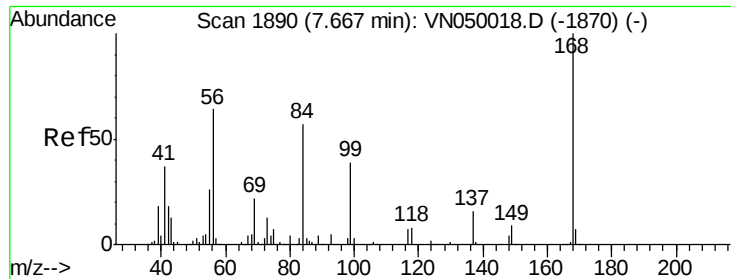
Instrument :
MSVOA_N
ClientSampleId :
MW-3B

Quant Time: Jul 27 08:48:07 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 26 18:10:10 2018
Response via : Initial Calibration

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050120.D

Acq: 27 Jul 2018 7:47

Instrument :

MSVOA_N

ClientSampled :

MW-3B

Tot Ion:168 Resp: 864638

Ion Ratio Lower Upper

168 100

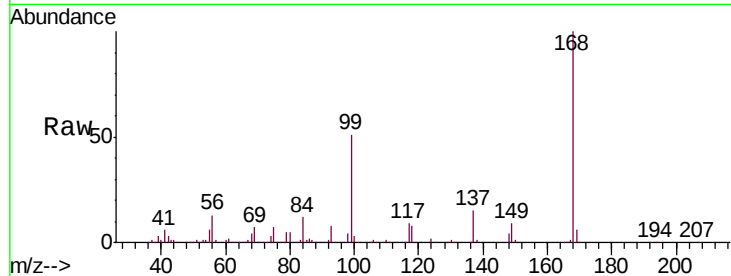
99 50.9 40.0 60.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

400000

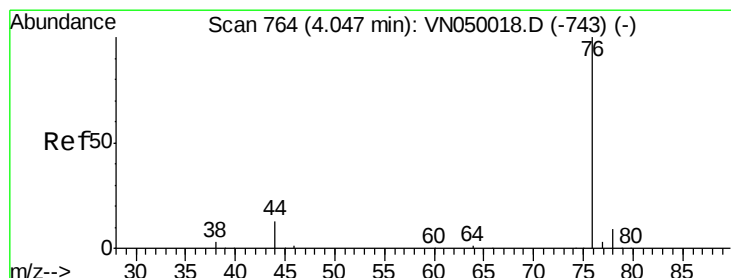
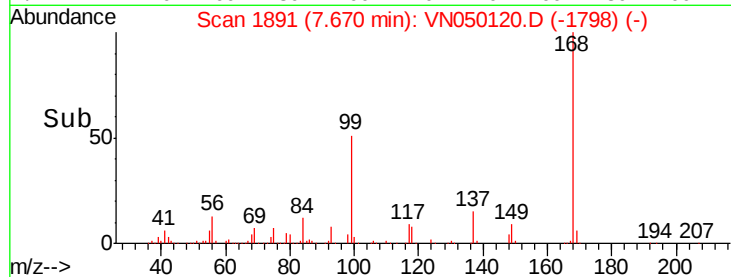
300000

200000

100000

0

Time-->



#17

Carbon Disulfide

Concen: 0.61 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN050120.D

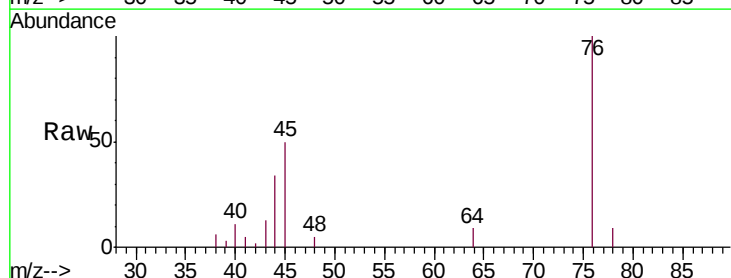
Acq: 27 Jul 2018 7:47

Tgt Ion: 76 Resp: 18699

Ion Ratio Lower Upper

76 100

78 9.4 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.05

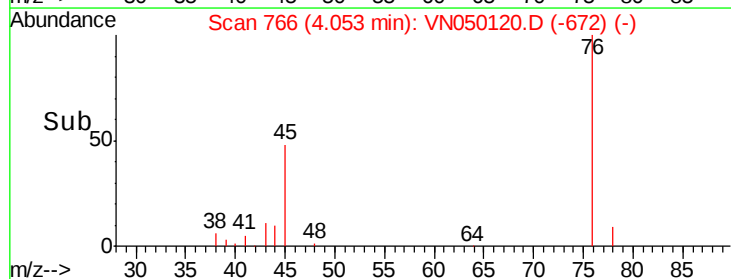
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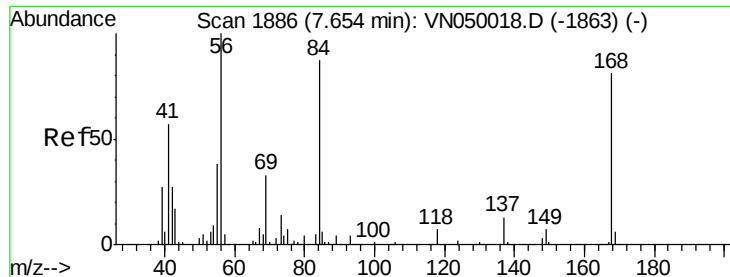
4000

2000

0

Time-->





#31

Cyclohexane

Concen: 9.75 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050120.D

Acq: 27 Jul 2018 7:47

Instrument :

MSVOA_N

ClientSampleId :

MW-3B

Tot Ion: 56 Resp: 162949

Ion Ratio Lower Upper

56 100

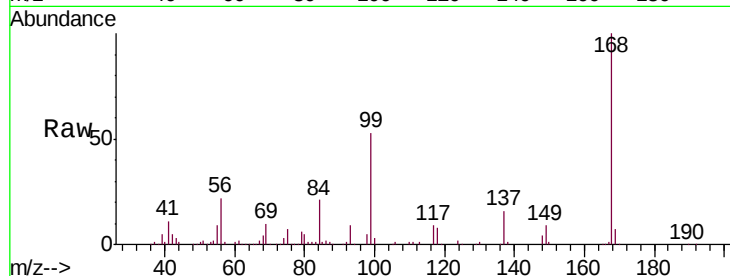
69 45.9 26.2 39.4#

84 96.0 67.4 101.0

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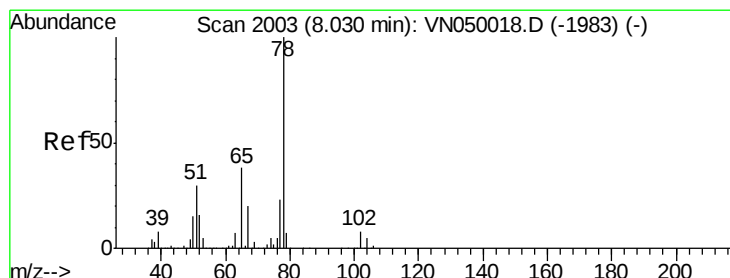
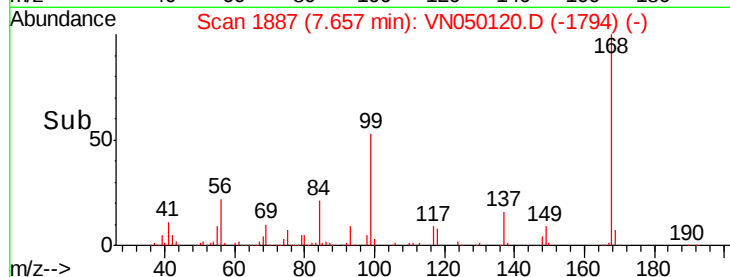
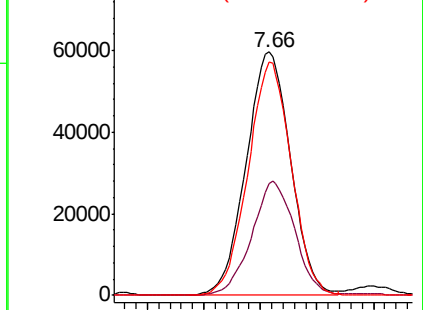
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 43.86 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050120.D

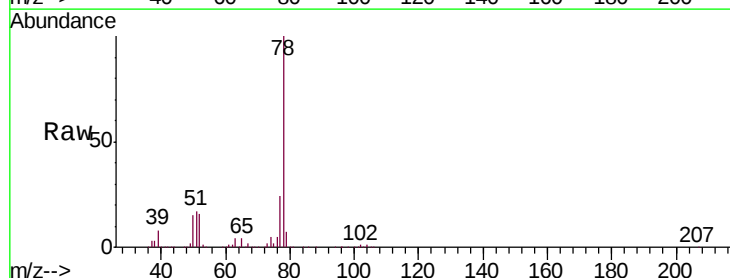
Acq: 27 Jul 2018 7:47

Tgt Ion: 65 Resp: 529154

Ion Ratio Lower Upper

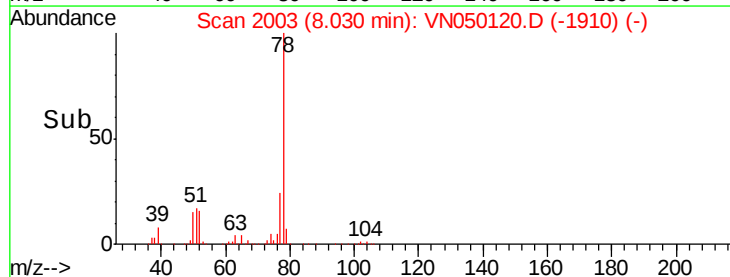
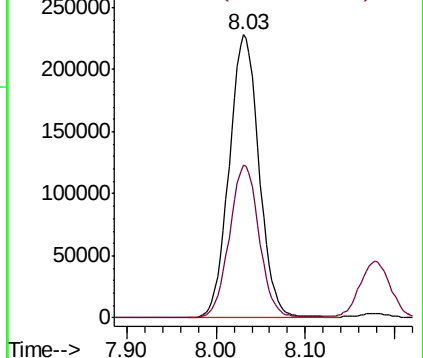
65 100

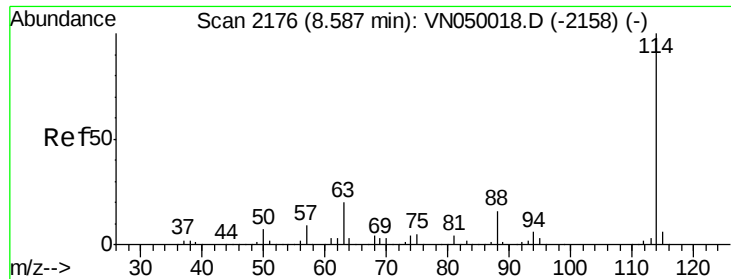
67 53.2 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





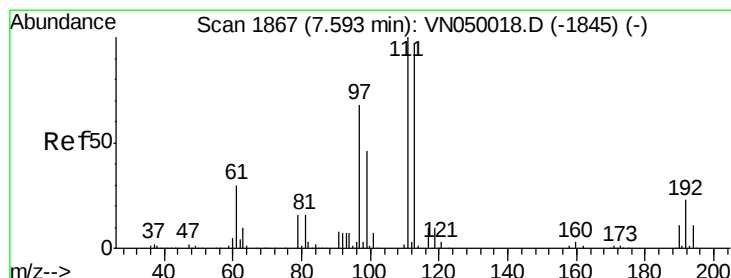
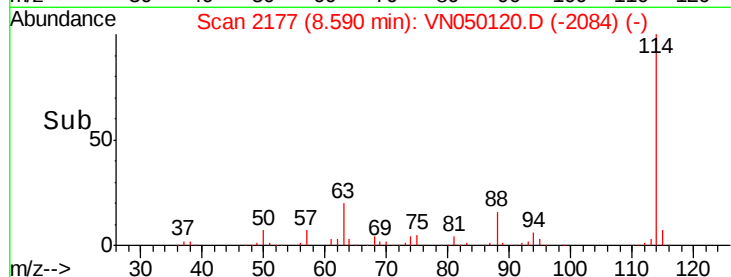
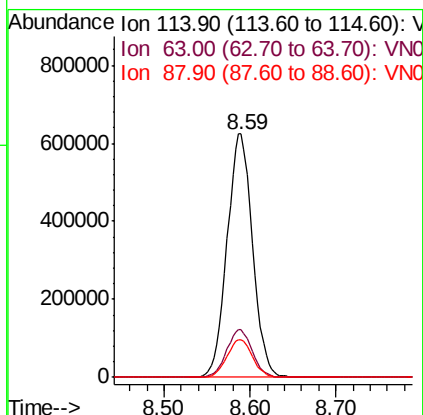
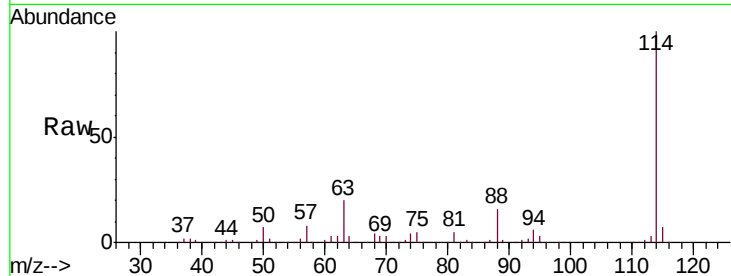
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050120.D
 Acq: 27 Jul 2018 7:47

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3B

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	40.0
88	15.7	0.0	31.2

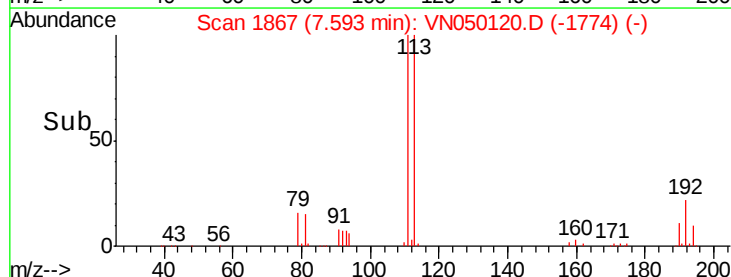
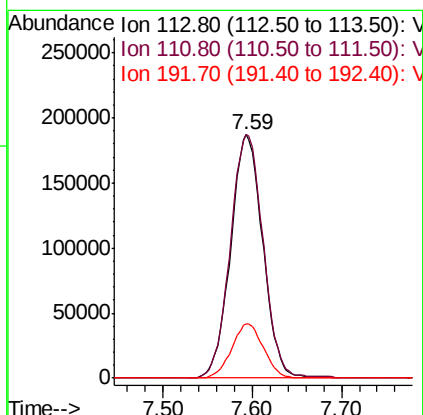
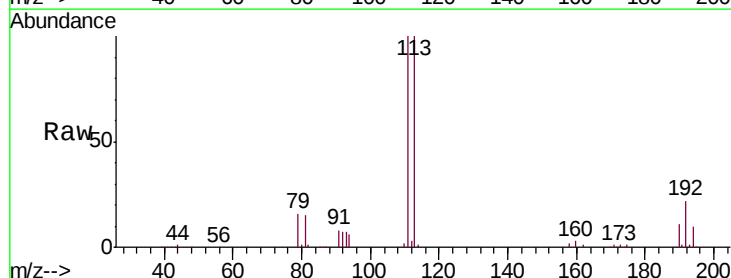
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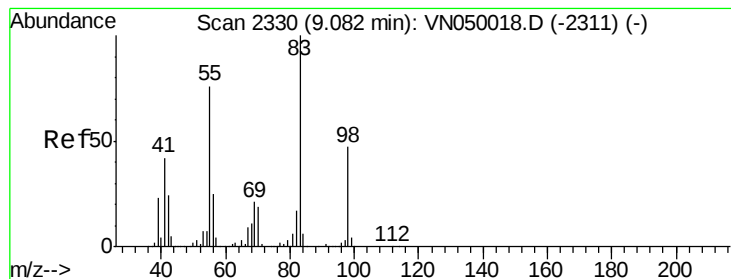
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#35
 Dibromofluoromethane
 Concen: 44.69 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050120.D
 Acq: 27 Jul 2018 7:47

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	80.7	121.1
192	22.2	17.8	26.6





#39

Methvlcvclohexane

Concen: 15.86 ug/l

RT: 9.08 min Scan# 2330

Delta R.T. -0.00 min

Lab File: VN050120.D

Acq: 27 Jul 2018 7:47

Instrument :

MSVOA_N

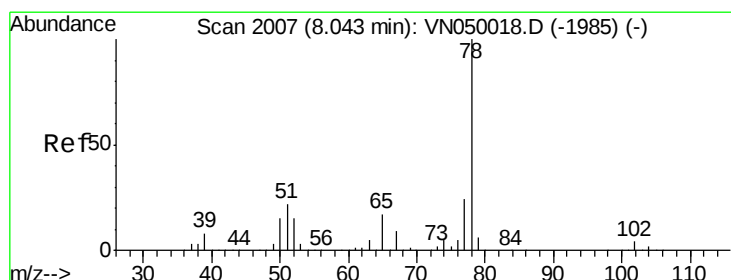
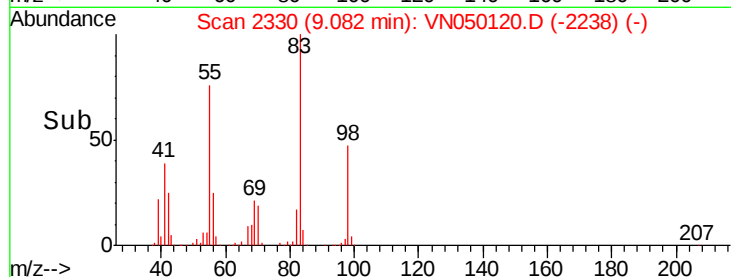
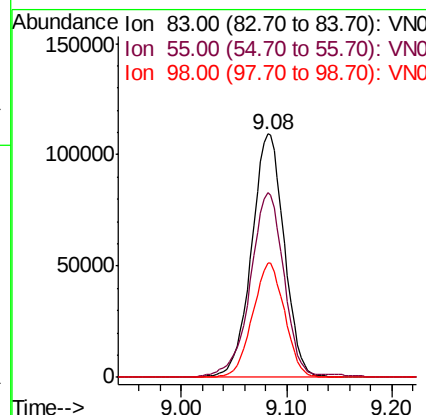
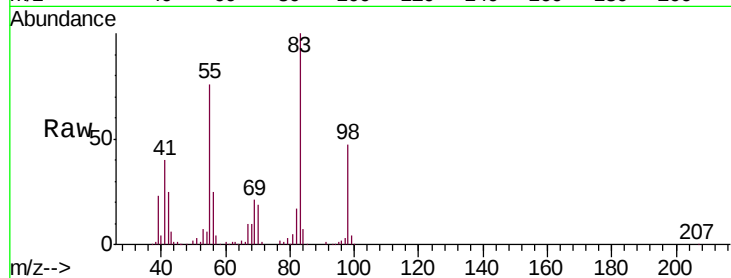
ClientSampled :

MW-3B

Tot Ion:	83	Resp:	235624
Ion Ratio	Lower	Upper	
83	100		
55	75.8	61.8	92.8
98	46.9	36.5	54.7

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#40

Benzene

Concen: 469.72 ug/l

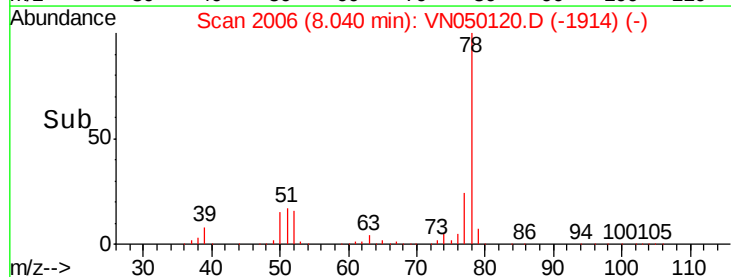
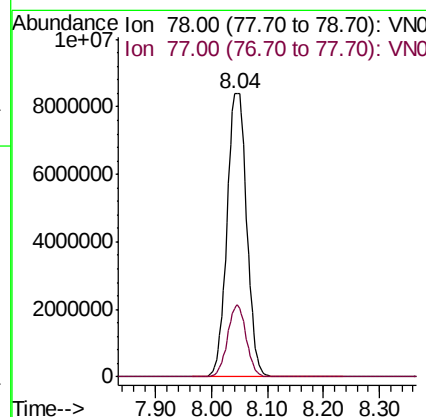
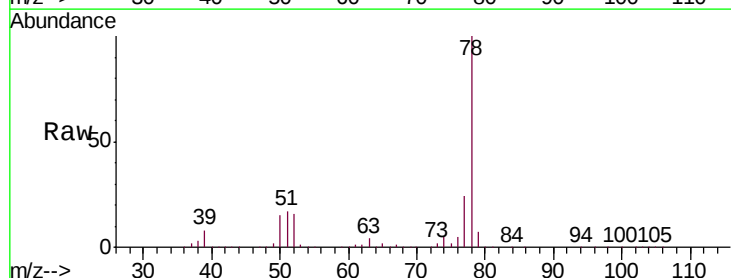
RT: 8.04 min Scan# 2006

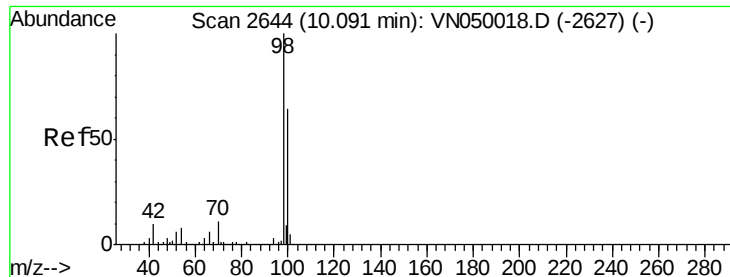
Delta R.T. -0.00 min

Lab File: VN050120.D

Acq: 27 Jul 2018 7:47

Tgt Ion:	78	Resp:	20647645
Ion Ratio	Lower	Upper	
78	100		
77	24.2	18.7	28.1





#50

Toluene-d8

Concen: 46.94 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050120.D

Acq: 27 Jul 2018 7:47

Instrument :

MSVOA_N

ClientSampled :

MW-3B

Tot Ion: 98 Resp: 1806449

Ion Ratio Lower Upper

98 100

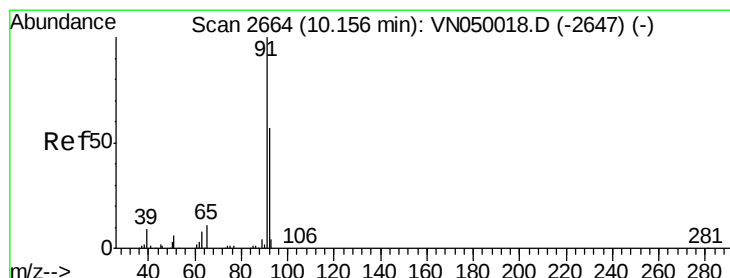
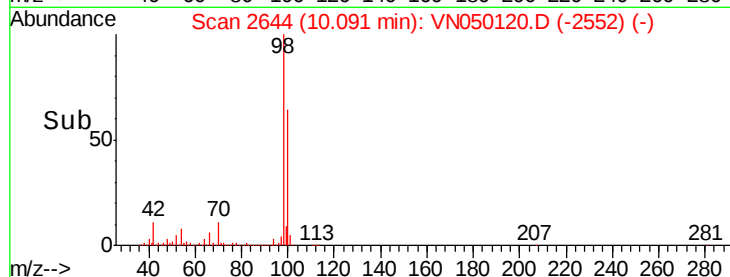
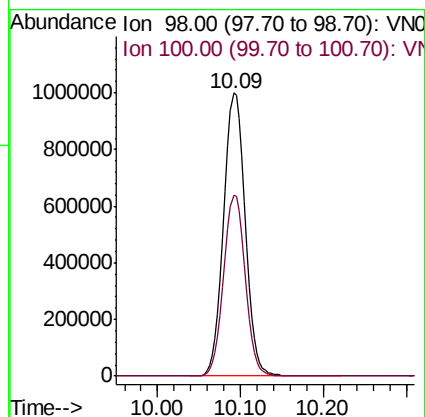
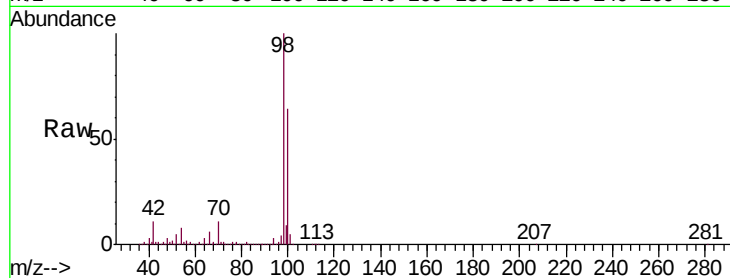
100 63.8 50.7 76.1

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#52

Toluene

Concen: 79.92 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. 0.00 min

Lab File: VN050120.D

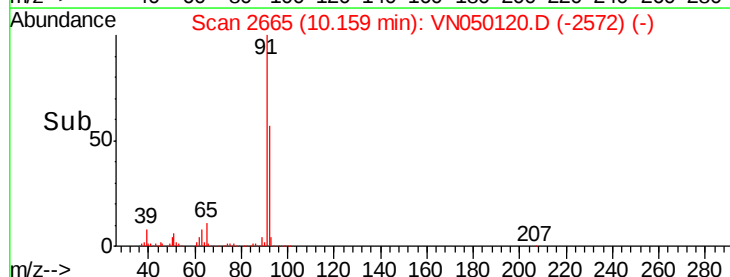
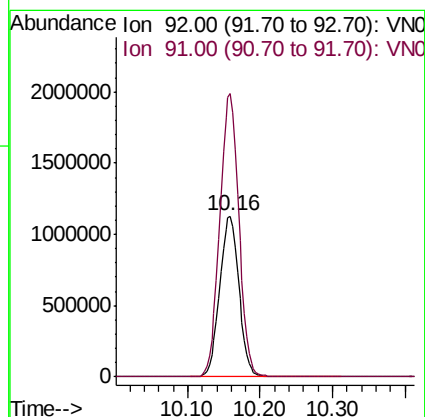
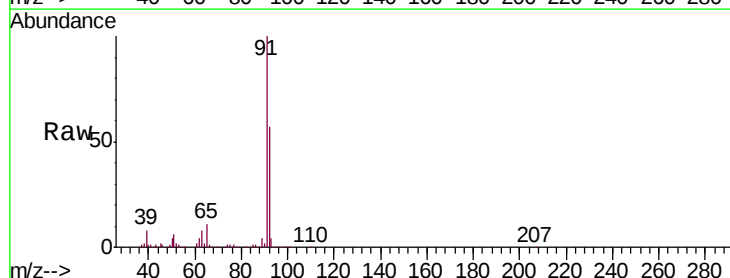
Acq: 27 Jul 2018 7:47

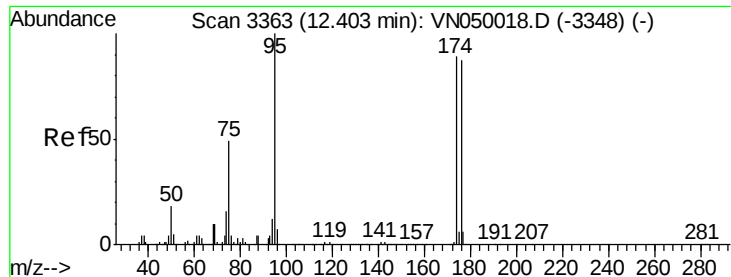
Tgt Ion: 92 Resp: 2073803

Ion Ratio Lower Upper

92 100

91 174.7 140.3 210.5





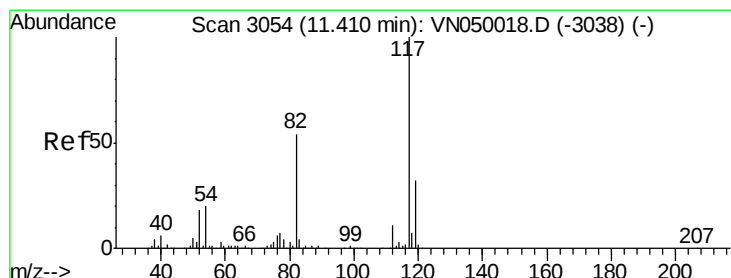
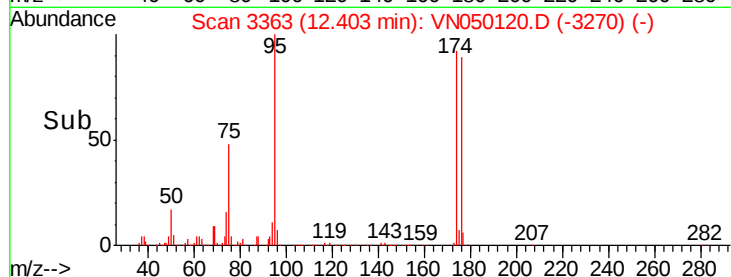
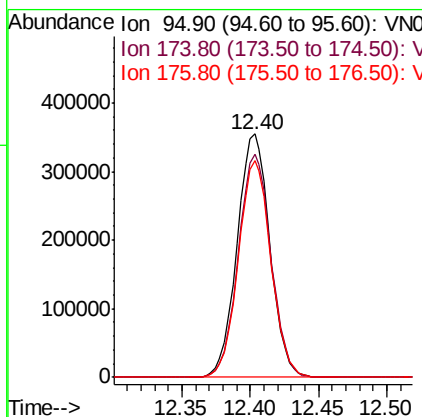
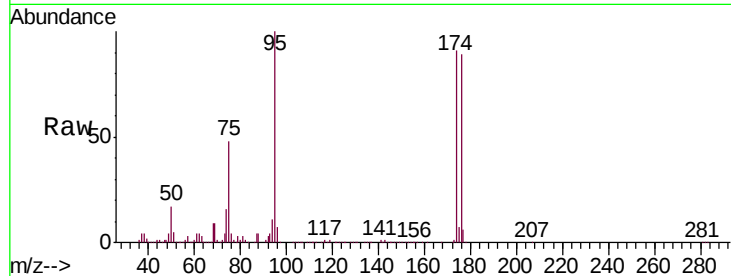
#62
4-Bromofluorobenzene
Concen: 46.51 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050120.D
Acq: 27 Jul 2018 7:47

Instrument :
MSVOA_N
ClientSampleId :
MW-3B

Tot Ion	Ratio	Resp	Lower	Upper
95	100	589389		
174	91.5	0.0	178.2	
176	88.5	0.0	173.4	

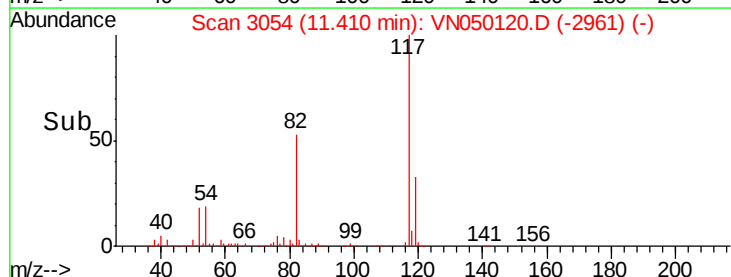
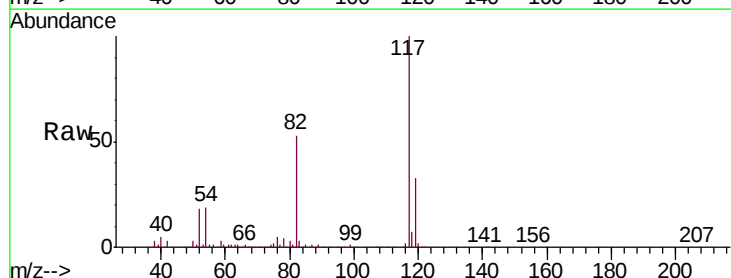
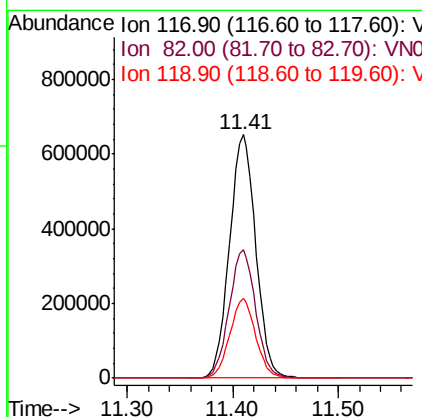
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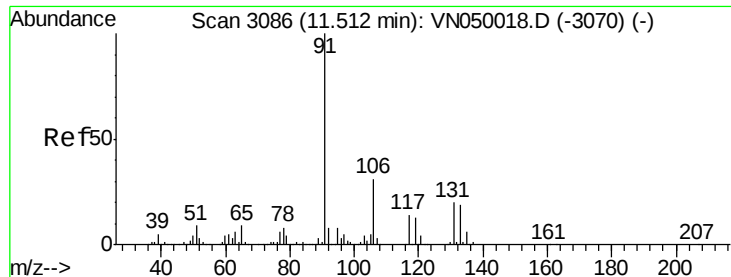
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#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050120.D
Acq: 27 Jul 2018 7:47

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	1122197		
82	52.7	43.7	65.5	
119	32.6	26.1	39.1	





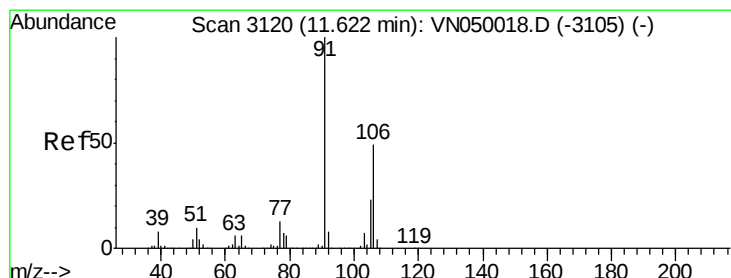
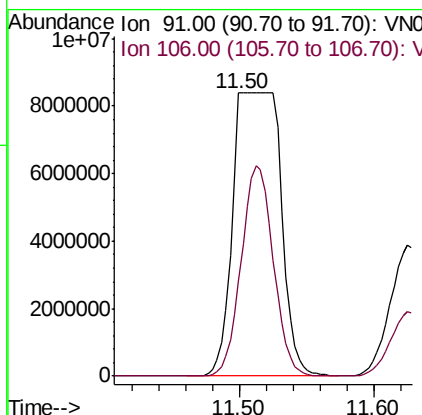
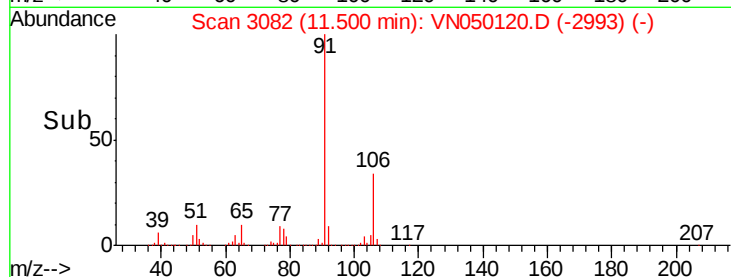
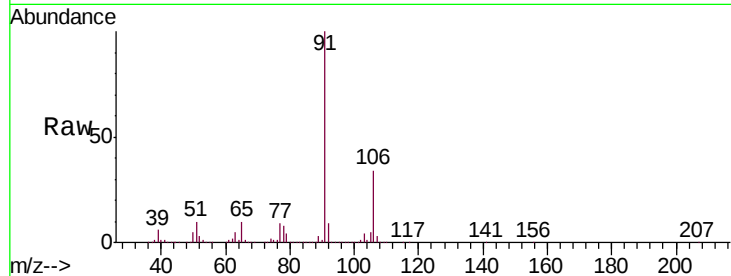
#67
Ethyl Benzene
Concen: 456.24 ug/l m
RT: 11.50 min Scan# 3082
Delta R.T. -0.01 min
Lab File: VN050120.D
Acq: 27 Jul 2018 7:47

Instrument :
MSVOA_N
ClientSampled :
MW-3B

Tot Ion: 91 Resp: 20774673
Ion Ratio Lower Upper
91 100
106 33.6 25.0 37.4

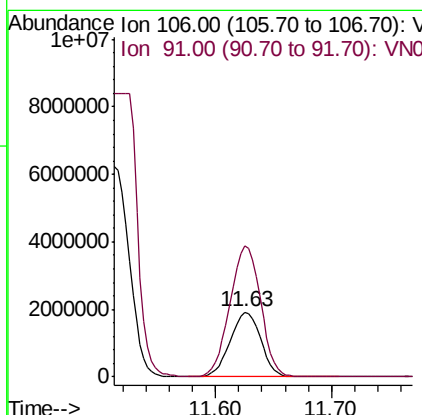
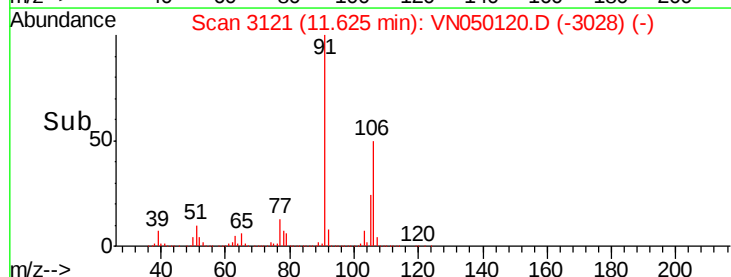
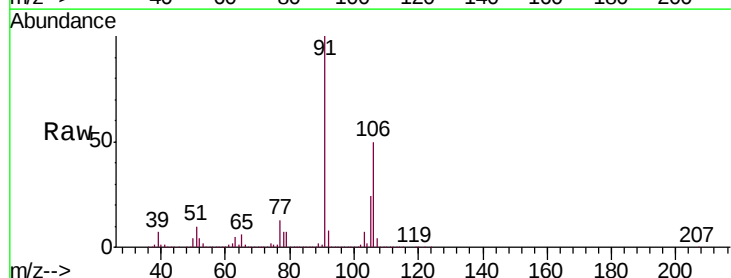
Manual Integrations
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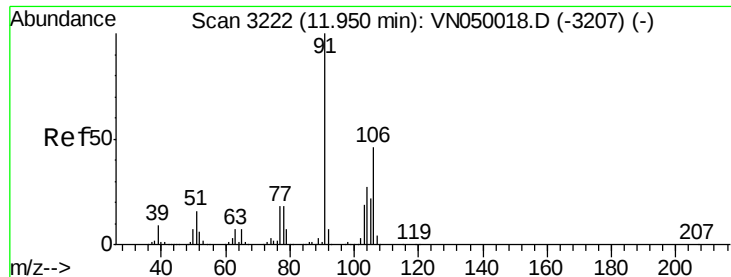
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#68
m/p-Xylenes
Concen: 204.15 ug/l
RT: 11.63 min Scan# 3121
Delta R.T. 0.00 min
Lab File: VN050120.D
Acq: 27 Jul 2018 7:47

Tgt Ion: 106 Resp: 3516094
Ion Ratio Lower Upper
106 100
91 202.0 162.2 243.2





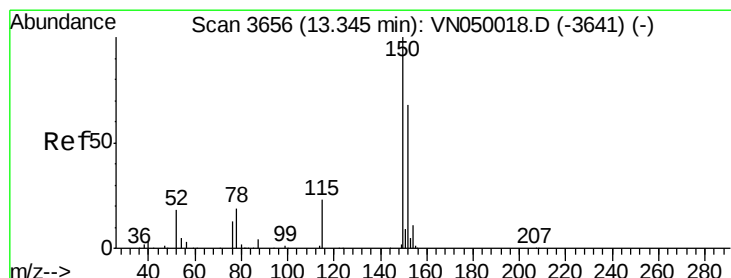
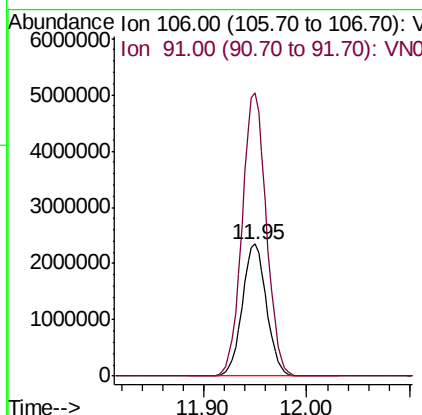
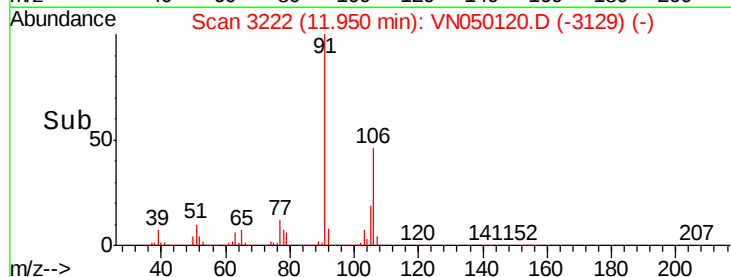
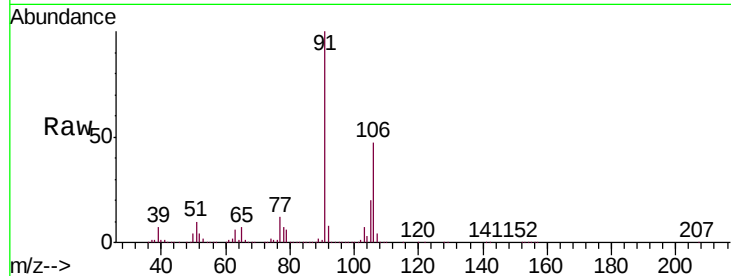
#69
o-Xylene
Concen: 233.10 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050120.D
Acq: 27 Jul 2018 7:47

Instrument :
MSVOA_N
ClientSampled :
MW-3B

Tot Ion:106 Resp: 3827156
Ion Ratio Lower Upper
106 100
91 214.5 107.7 323.1

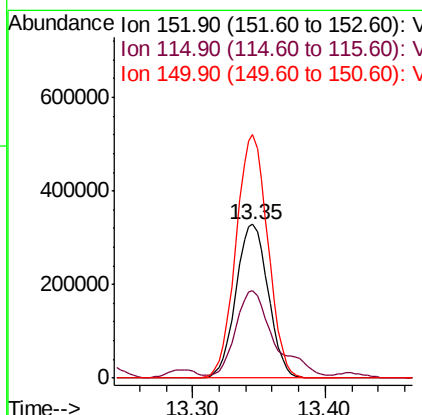
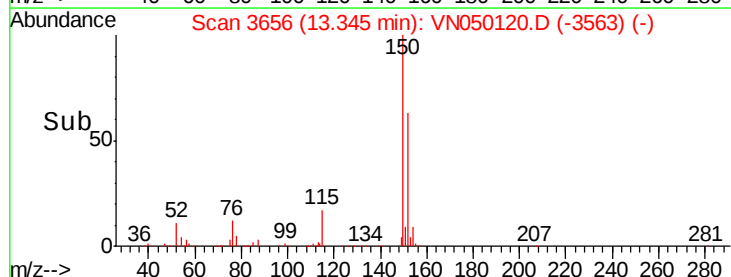
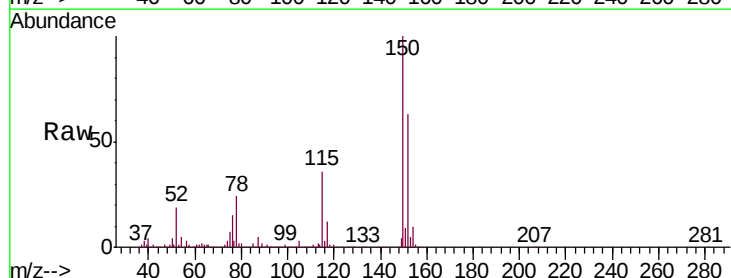
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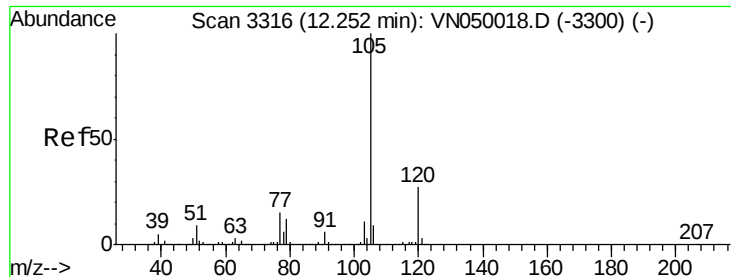
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050120.D
Acq: 27 Jul 2018 7:47

Tgt Ion:152 Resp: 555262
Ion Ratio Lower Upper
152 100
115 68.1 27.8 83.3
150 156.2 0.0 348.6





#73

Isopropylbenzene

Concen: 39.74 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050120.D

Acq: 27 Jul 2018 7:47

Instrument :

MSVOA_N

ClientSampled :

MW-3B

Tot Ion:105 Resp: 1711311

Ion Ratio Lower Upper

105 100

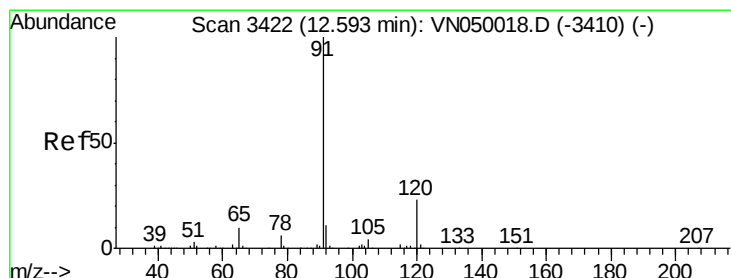
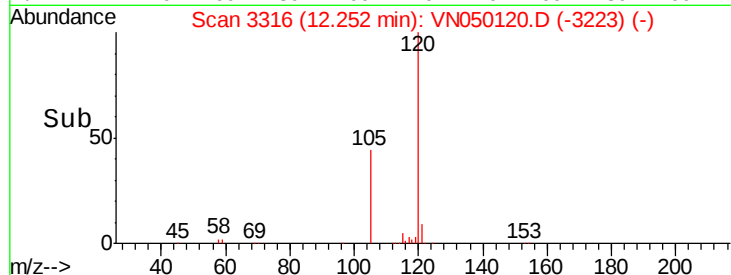
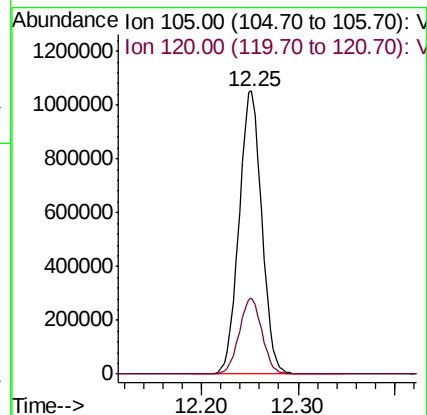
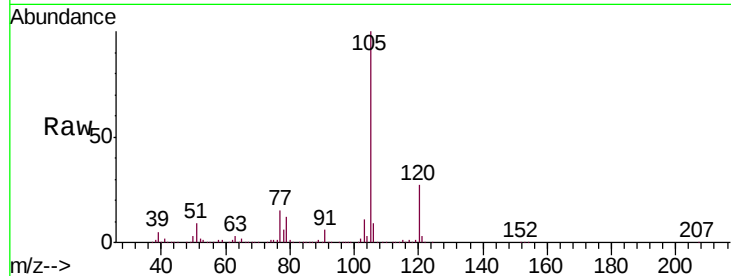
120 26.9 13.3 39.8

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#78

n-propylbenzene

Concen: 15.60 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050120.D

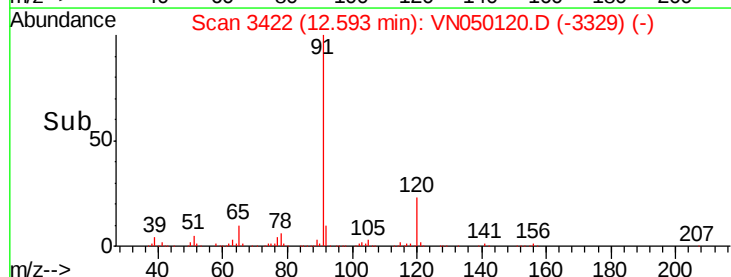
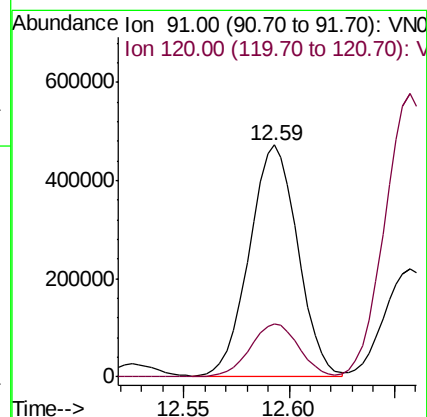
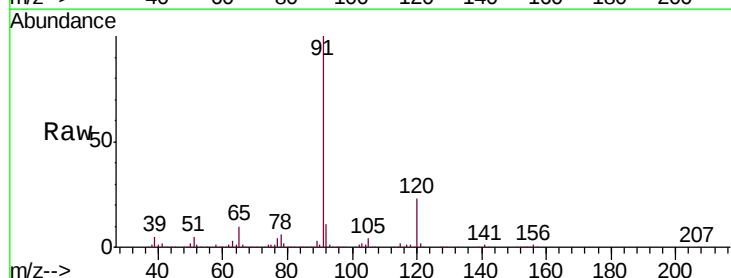
Acq: 27 Jul 2018 7:47

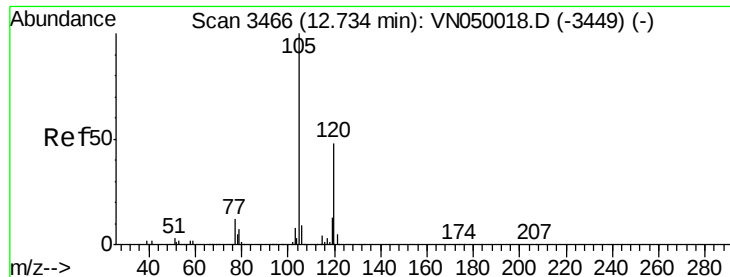
Tgt Ion: 91 Resp: 750865

Ion Ratio Lower Upper

91 100

120 23.1 11.6 34.7





#80

1,3,5-Trimethylbenzene

Concen: 38.19 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050120.D

Acq: 27 Jul 2018 7:47

Instrument :

MSVOA_N

ClientSampled :

MW-3B

Tot Ion:105 Resp: 1293735

Ion Ratio Lower Upper

105 100

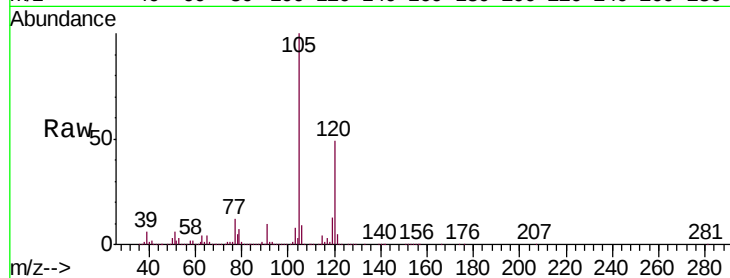
120 48.9 24.4 73.2

Manual Integrations

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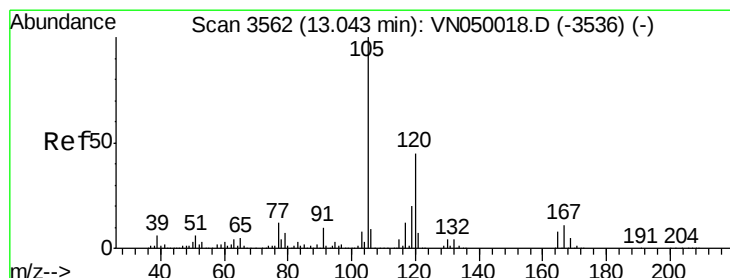
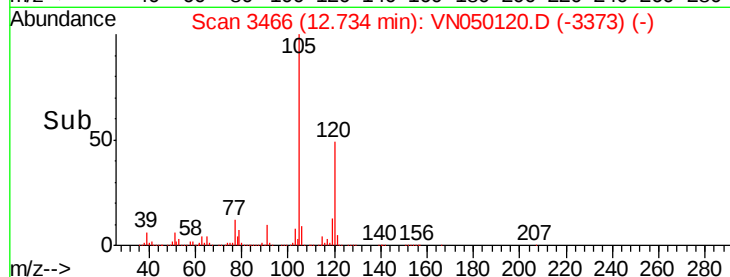
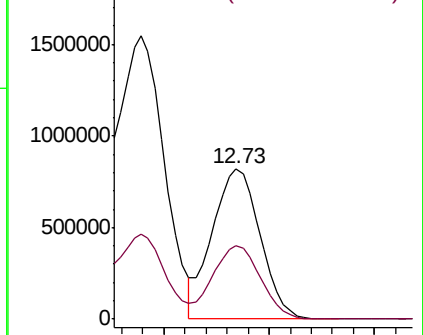
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#84

1,2,4-Trimethylbenzene

Concen: 119.60 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. -0.00 min

Lab File: VN050120.D

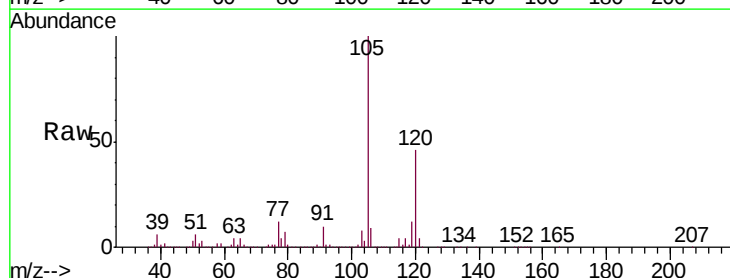
Acq: 27 Jul 2018 7:47

Tgt Ion:105 Resp: 4083530

Ion Ratio Lower Upper

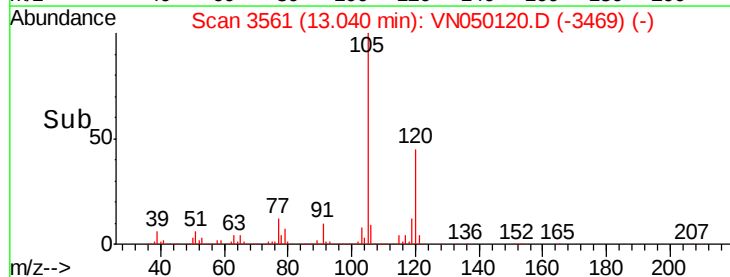
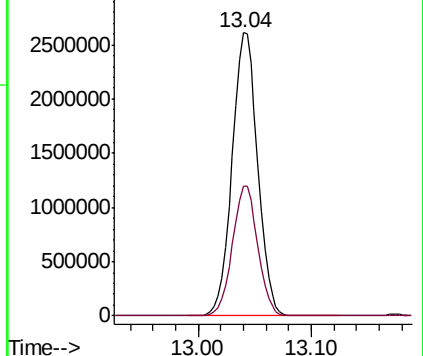
105 100

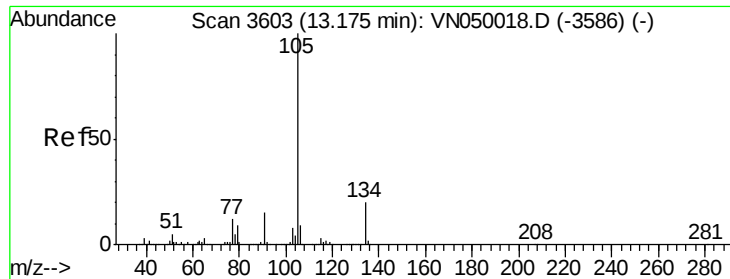
120 45.7 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 0.56 ug/l m

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050120.D

Acq: 27 Jul 2018 7:47

Instrument :

MSVOA_N

ClientSampleId :

MW-3B

Tot Ion:105 Resp: 22240

Ion Ratio Lower Upper

105 100

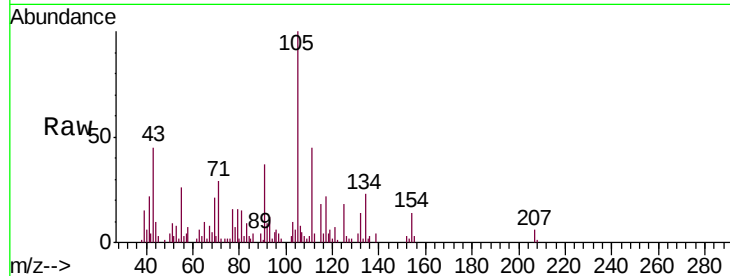
134 0.0 10.1 30.1#

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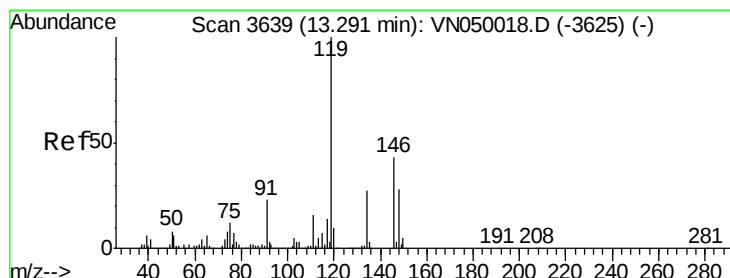
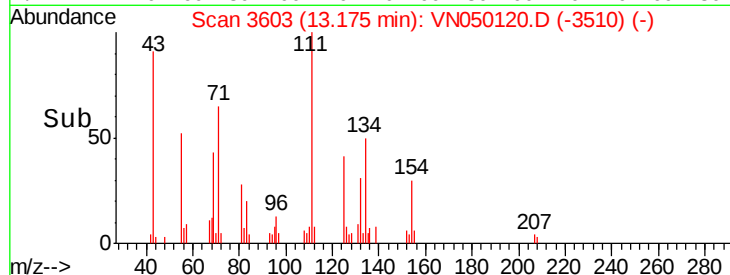
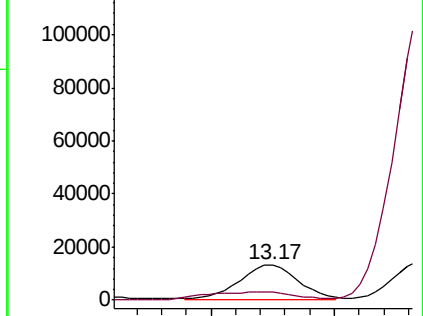
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 8.89 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050120.D

Acq: 27 Jul 2018 7:47

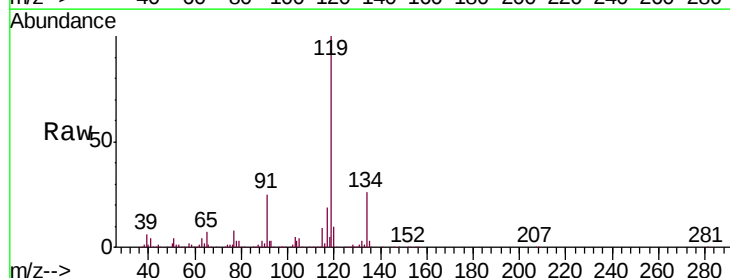
Tgt Ion:119 Resp: 295791

Ion Ratio Lower Upper

119 100

134 26.0 13.3 39.8

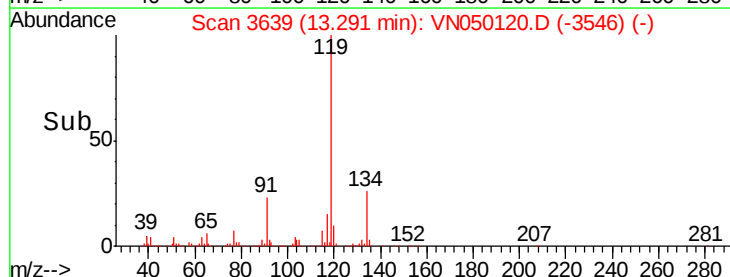
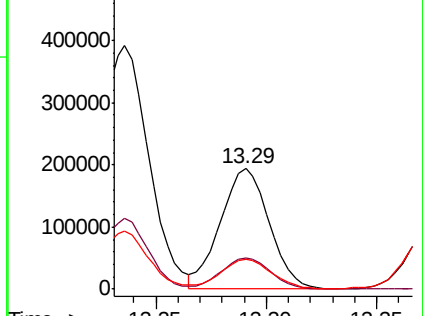
91 25.0 11.4 34.2

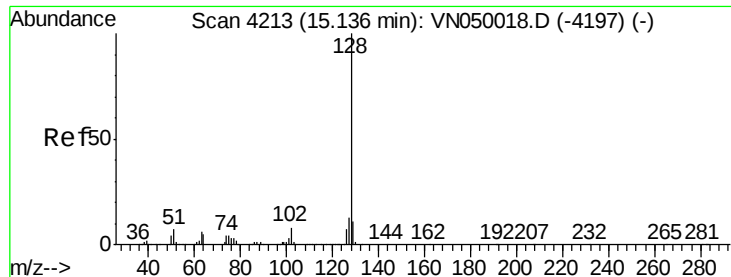


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#95
Naphthalene
Concen: 787.32 ug/l m
RT: 15.12 min Scan# 4209
Delta R.T. -0.01 min
Lab File: VN050120.D
Acq: 27 Jul 2018 7:47

Instrument :
MSVOA_N
ClientSampleId :
MW-3B

Tot Ion:128 Resp:21776014
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.8 13.2#

Manual Integrations
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