

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072618\
 Data File : VN050113.D
 Acq On : 27 Jul 2018 4:54
 Operator : MD\SY
 Sample : J4184-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-6B

Manual Integrations
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 7/27/2018 12:16:47 PM

Quant Time: Jul 27 11:57:54 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	721742	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1112357	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	996187	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	538414	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	467609	46.44	ug/l	0.00
Spiked Amount			Recovery	=	92.88%	
35) Dibromofluoromethane	7.59	113	418886	46.12	ug/l	0.00
Spiked Amount			Recovery	=	92.24%	
50) Toluene-d8	10.09	98	1578248	47.27	ug/l	0.00
Spiked Amount			Recovery	=	94.54%	
62) 4-Bromofluorobenzene	12.40	95	539868	49.10	ug/l	0.00
Spiked Amount			Recovery	=	98.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	269902	111.38	ug/l	99
17) Carbon Disulfide	4.05	76	7800	0.31	ug/l	100
25) 2-Butanone	6.84	43	178017	46.35	ug/l	99
39) Methylcyclohexane	9.08	83	51938	4.03	ug/l	99
40) Benzene	8.04	78	417294	10.94	ug/l	98
52) Toluene	10.16	92	2393966	106.35	ug/l	100
67) Ethyl Benzene	11.51	91	5792926	143.31	ug/l	99
68) m/p-Xylenes	11.62	106	5280649	345.38	ug/l	100
69) o-Xylene	11.95	106	2435122	167.07	ug/l	100
70) Styrene	11.97	104	1893738	72.63	ug/l	89
73) Isopropylbenzene	12.25	105	549349	13.16	ug/l	99
78) n-propylbenzene	12.59	91	335872	7.20	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2412393	73.45	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	4732412	142.94	ug/l	99
85) sec-Butylbenzene	13.17	105	38576m	1.01	ug/l	
86) p-Isopropyltoluene	13.29	119	1687412	52.29	ug/l	99
95) Naphthalene	15.12	128	26566693m	989.44	ug/l	

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

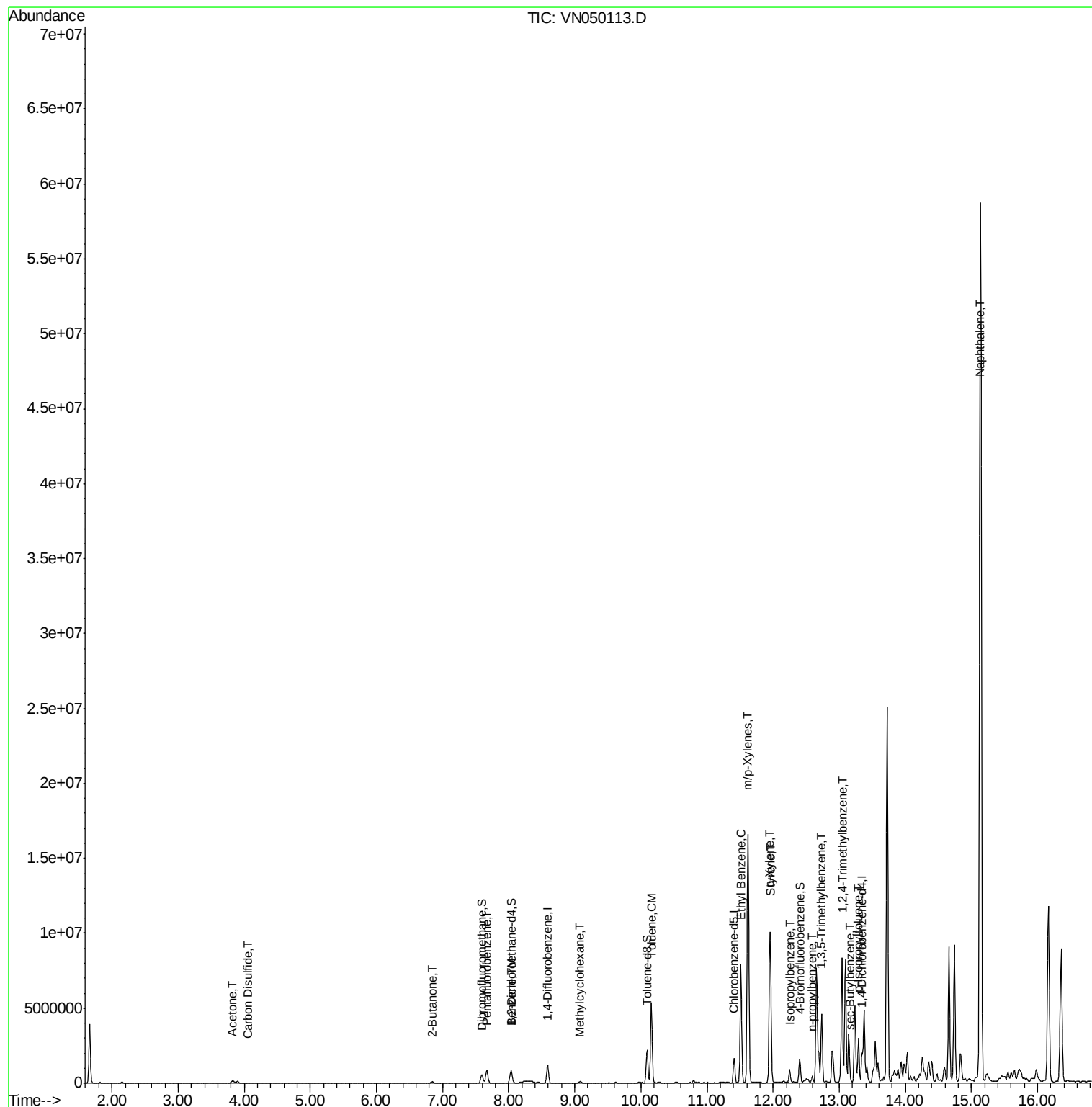
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072618\
Data File : VN050113.D
Acq On : 27 Jul 2018 4:54
Operator : MD\SY
Sample : J4184-03
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 44 Sample Multiplier: 1

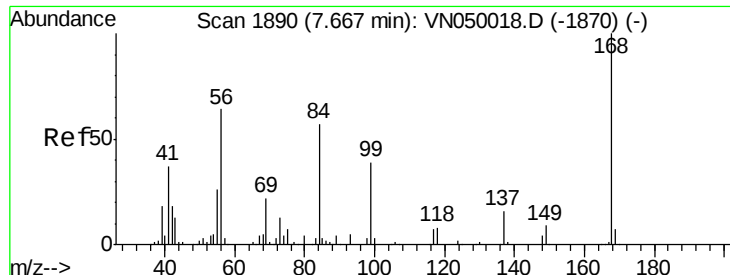
Instrument :
MSVOA_N
ClientSampleId :
MW-6B

Quant Time: Jul 27 11:57:54 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: VN050113.D

Acq: 27 Jul 2018 4:54

Instrument :

MSVOA_N

ClientSampled :

MW-6B

Tot Ion:168 Resp: 721742

Ion Ratio Lower Upper

168 100

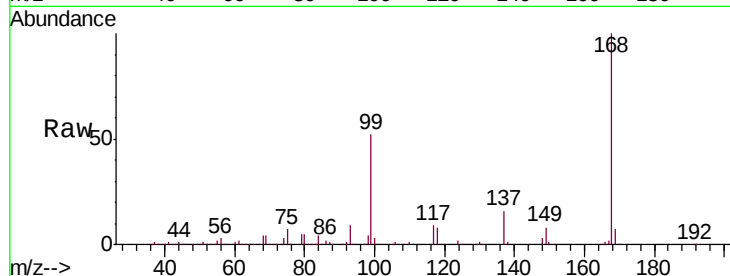
99 52.2 40.0 60.0

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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

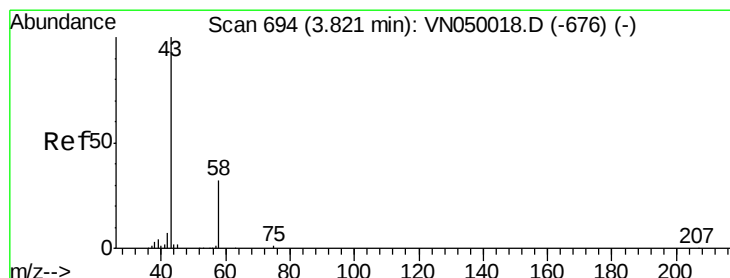
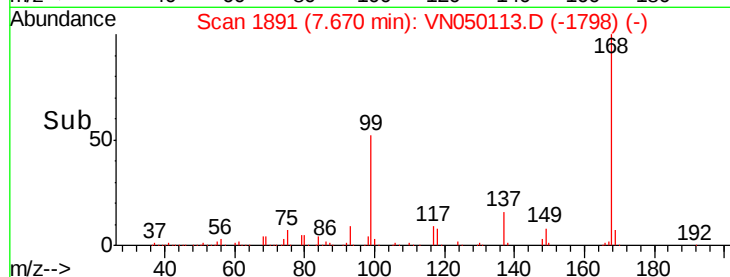
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 111.38 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050113.D

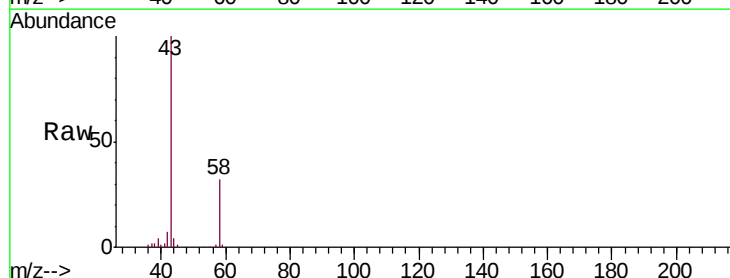
Acq: 27 Jul 2018 4:54

Tgt Ion: 43 Resp: 269902

Ion Ratio Lower Upper

43 100

58 31.6 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.82

120000

100000

80000

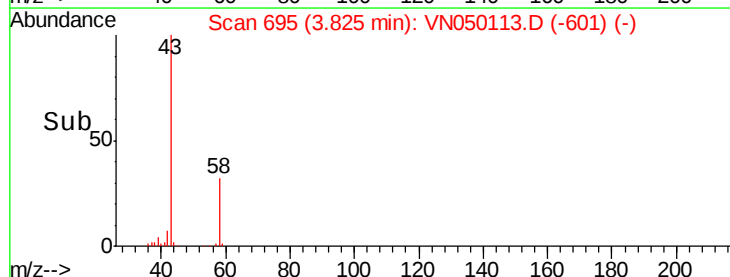
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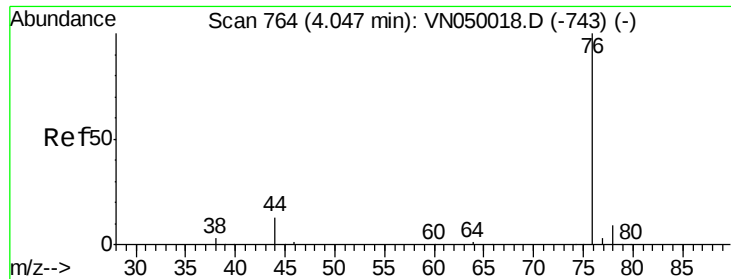
40000

20000

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Time-->





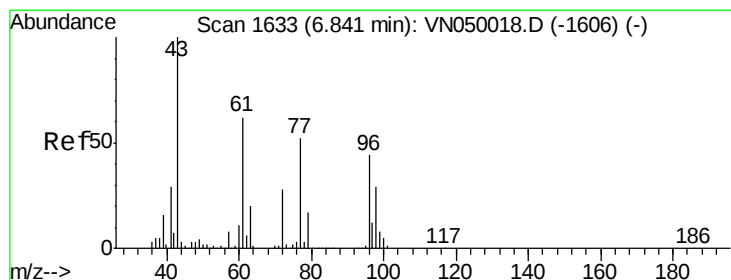
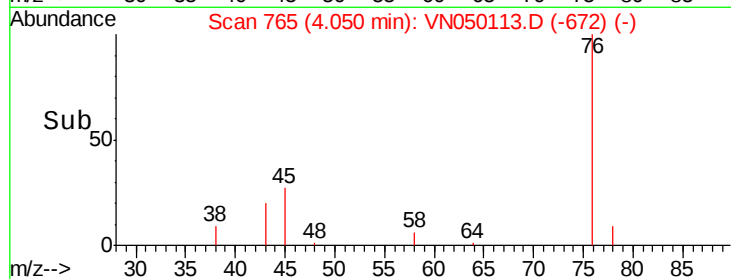
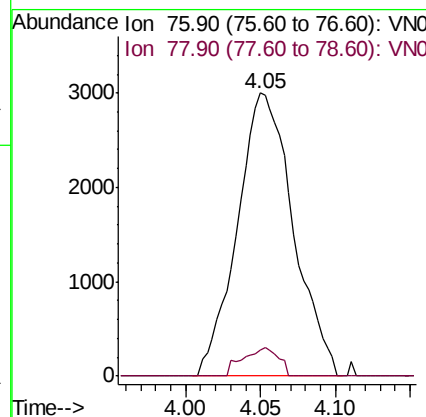
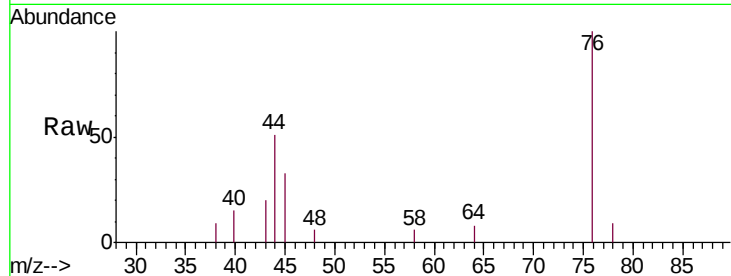
#17
Carbon Disulfide
Concen: 0.31 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN050113.D
Acq: 27 Jul 2018 4:54

Instrument :
MSVOA_N
ClientSampled :
MW-6B

Tot Ion: 76 Resp: 7800
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9

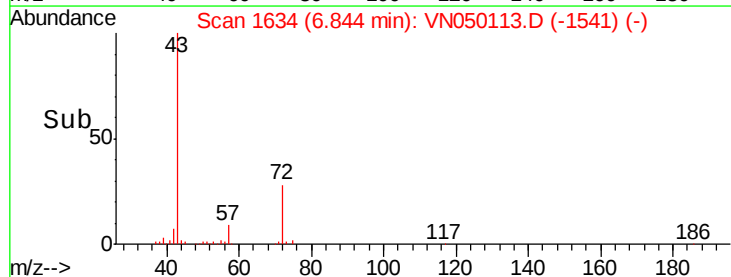
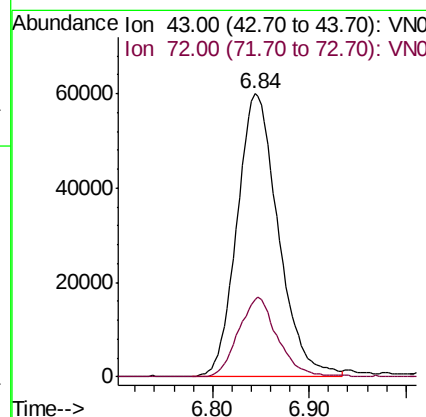
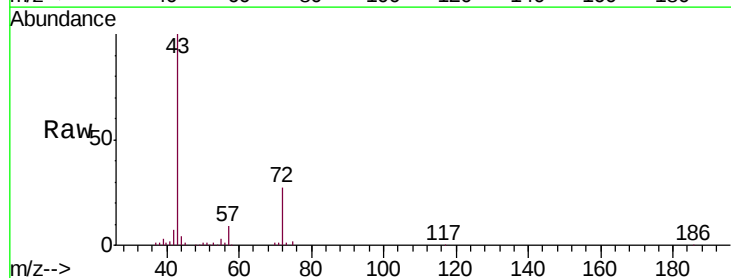
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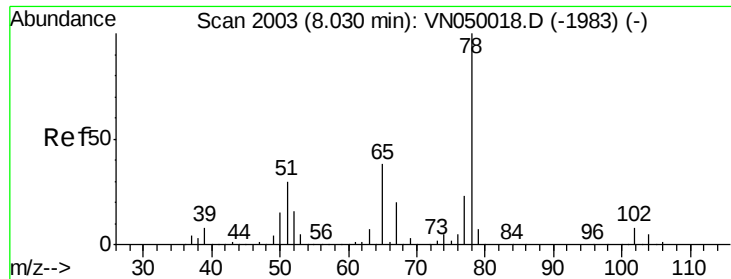
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#25
2-Butanone
Concen: 46.35 ug/l
RT: 6.84 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VN050113.D
Acq: 27 Jul 2018 4:54

Tgt Ion: 43 Resp: 178017
Ion Ratio Lower Upper
43 100
72 27.4 21.5 32.3





#33

1,2-Dichloroethane-d4

Concen: 46.44 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050113.D

Acq: 27 Jul 2018 4:54

Instrument :

MSVOA_N

ClientSampled :

MW-6B

Tot Ion: 65 Resp: 467609

Ion Ratio Lower Upper

65 100

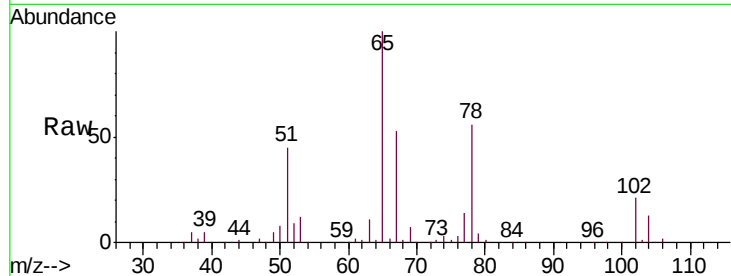
67 52.6 0.0 108.4

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Abundance Ion 64.90 (64.60 to 65.60): VN050018.D (-1983) (-)

Ion 66.90 (66.60 to 67.60): VN050018.D (-1983) (-)

8.03

200000

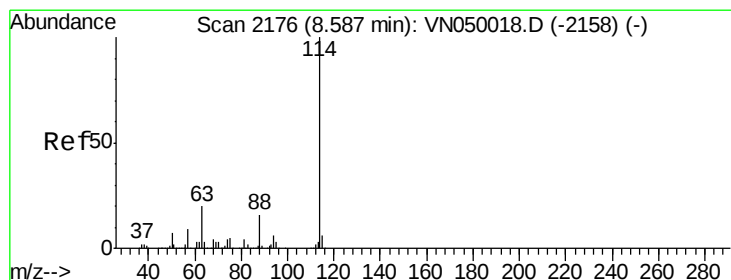
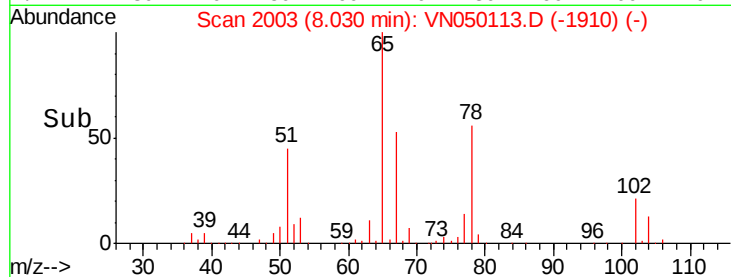
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN050113.D

Acq: 27 Jul 2018 4:54

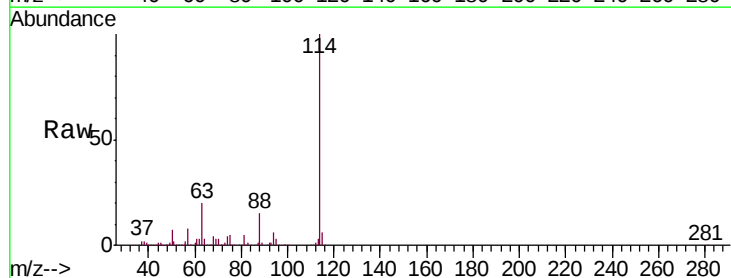
Tgt Ion:114 Resp: 1112357

Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.0

88 15.4 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): VN050018.D (-2158) (-)

Ion 63.00 (62.70 to 63.70): VN050018.D (-2158) (-)

Ion 87.90 (87.60 to 88.60): VN050018.D (-2158) (-)

8.59

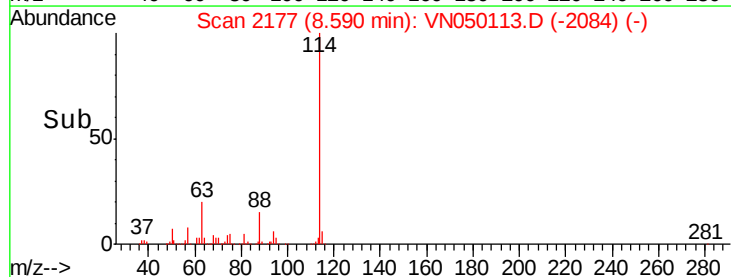
600000

400000

200000

0

Time-->





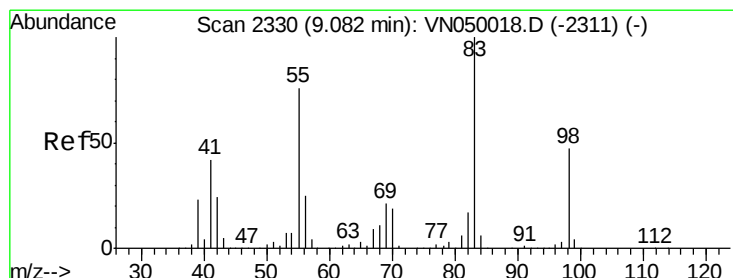
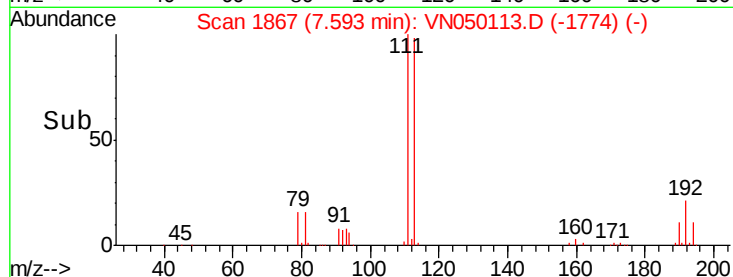
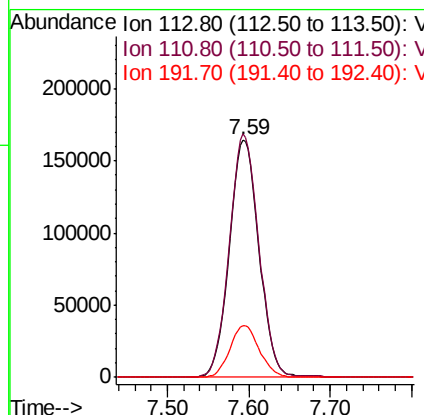
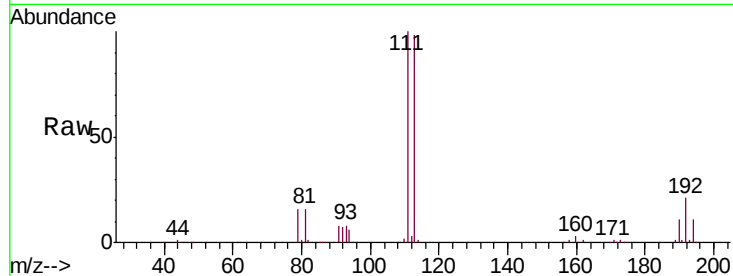
#35
Dibromofluoromethane
Concen: 46.12 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN050113.D
Acq: 27 Jul 2018 4:54

Instrument :
MSVOA_N
ClientSampled :
MW-6B

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.1	80.7	121.1	
192	21.7	17.8	26.6	

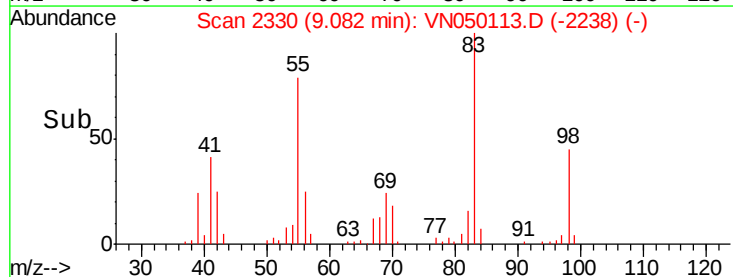
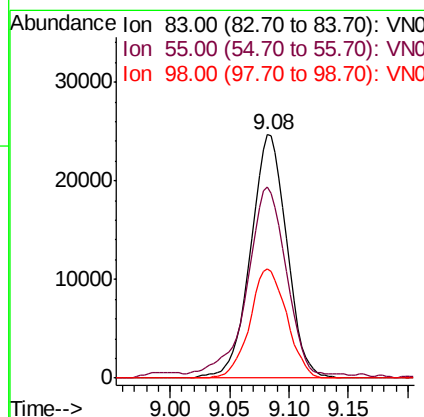
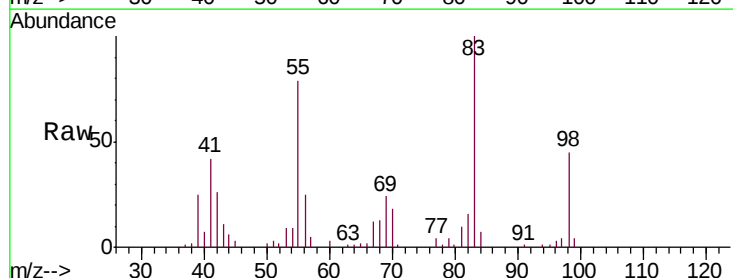
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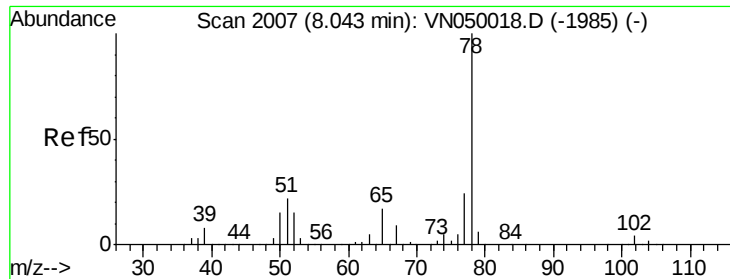
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#39
Methylcyclohexane
Concen: 4.03 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050113.D
Acq: 27 Jul 2018 4:54

Tgt Ion	Ratio	Resp	Lower	Upper
83	100			
55	76.9	61.8	92.8	
98	44.9	36.5	54.7	





#40

Benzene

Concen: 10.94 ug/l

RT: 8.04 min Scan# 2007

Delta R.T. 0.00 min

Lab File: VN050113.D

Acq: 27 Jul 2018 4:54

Instrument :

MSVOA_N

ClientSampled :

MW-6B

Tot Ion: 78 Resp: 417294

Ion Ratio Lower Upper

78 100

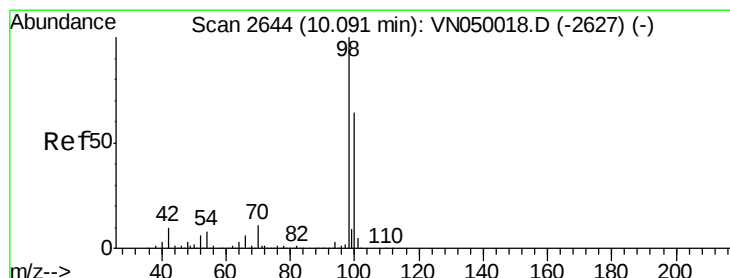
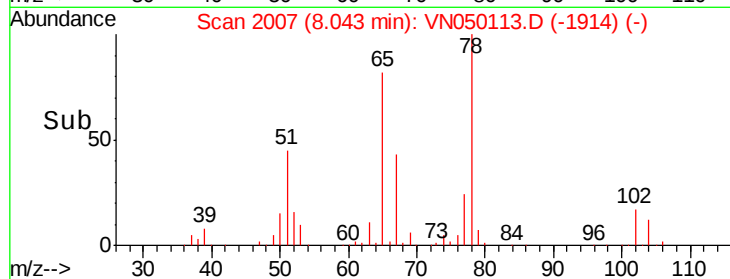
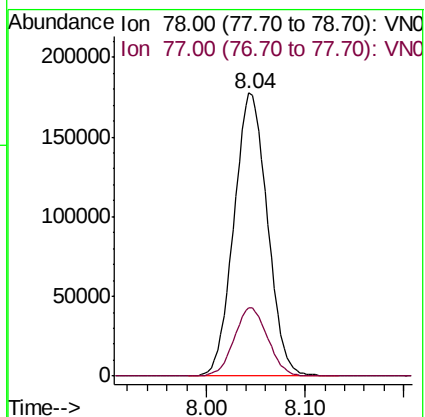
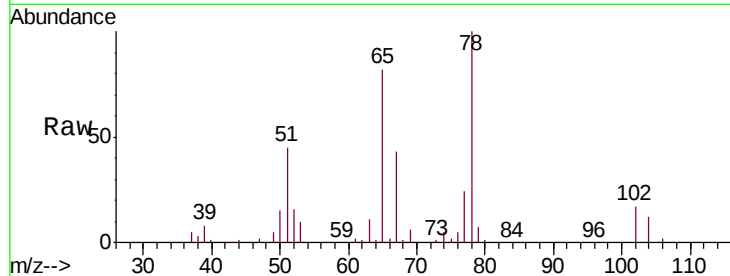
77 24.2 18.7 28.1

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#50

Toluene-d8

Concen: 47.27 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN050113.D

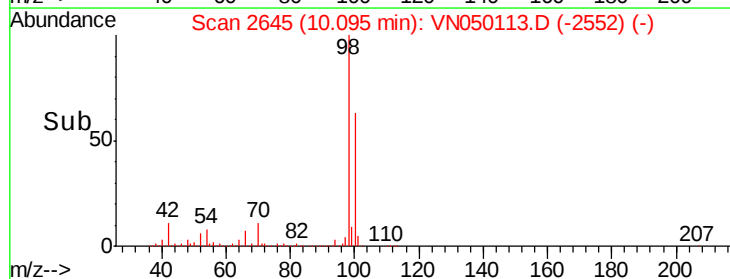
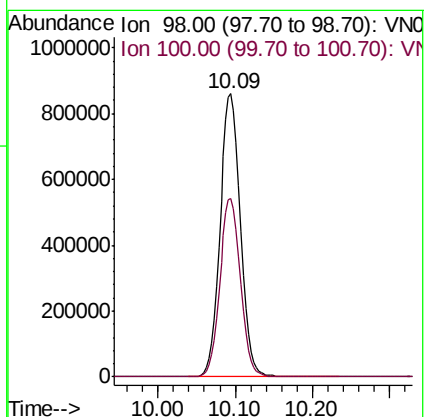
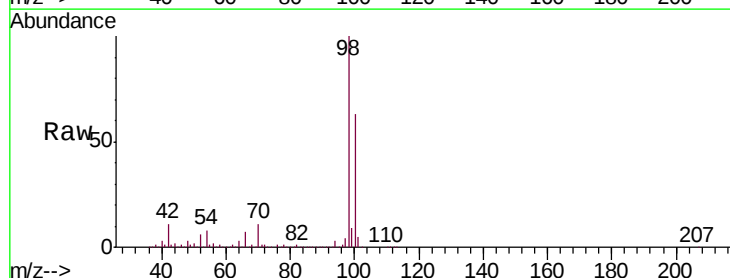
Acq: 27 Jul 2018 4:54

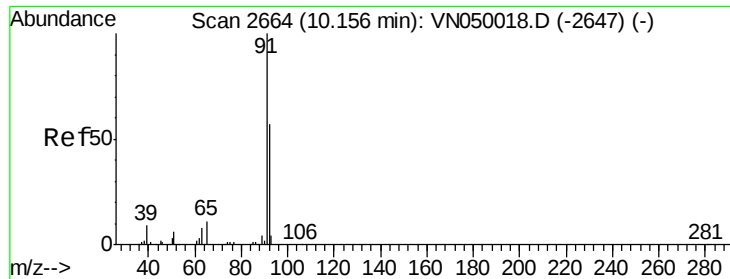
Tgt Ion: 98 Resp: 1578248

Ion Ratio Lower Upper

98 100

100 63.7 50.7 76.1





#52

Toluene

Concen: 106.35 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. 0.00 min

Lab File: VN050113.D

Acq: 27 Jul 2018 4:54

Instrument :

MSVOA_N

ClientSampled :

MW-6B

Tot Ion: 92 Resp: 2393966

Ion Ratio Lower Upper

92 100

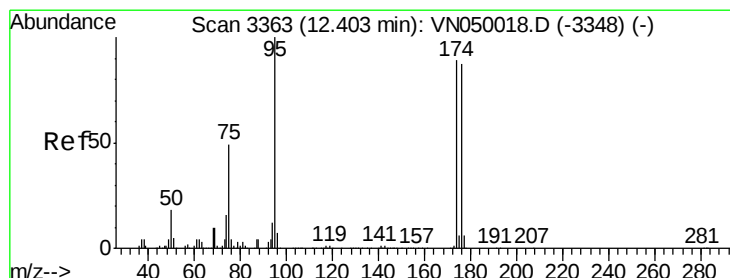
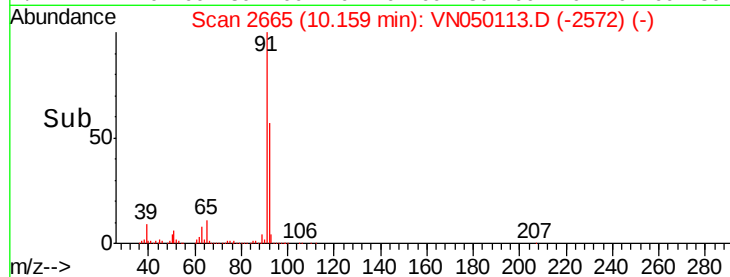
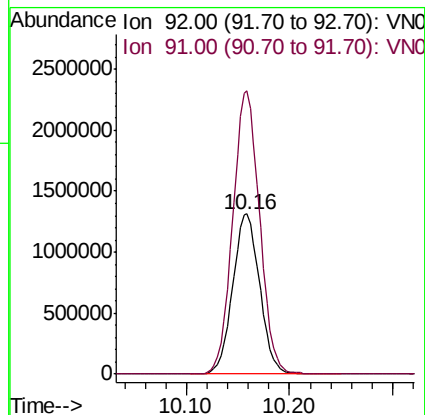
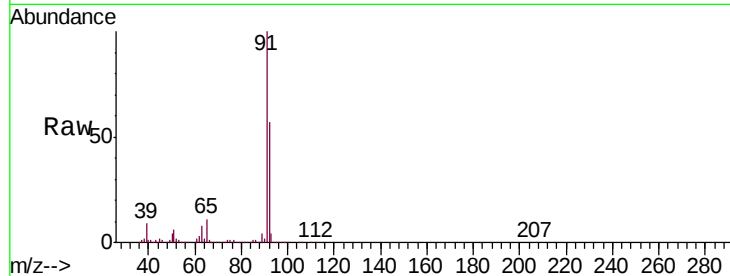
91 176.0 140.3 210.5

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#62

4-Bromofluorobenzene

Concen: 49.10 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050113.D

Acq: 27 Jul 2018 4:54

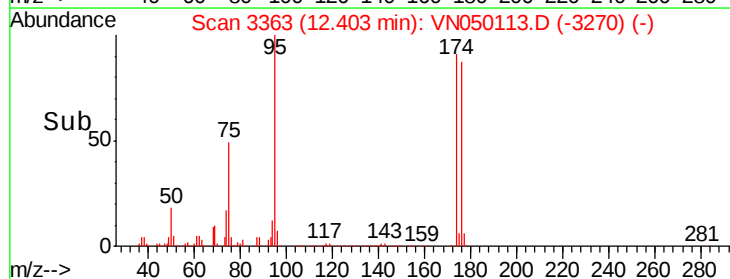
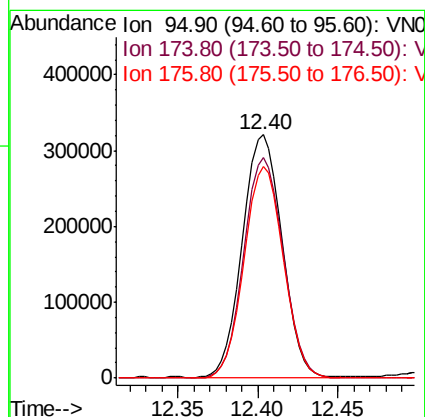
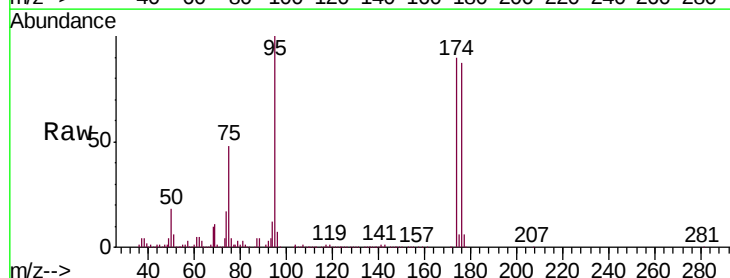
Tgt Ion: 95 Resp: 539868

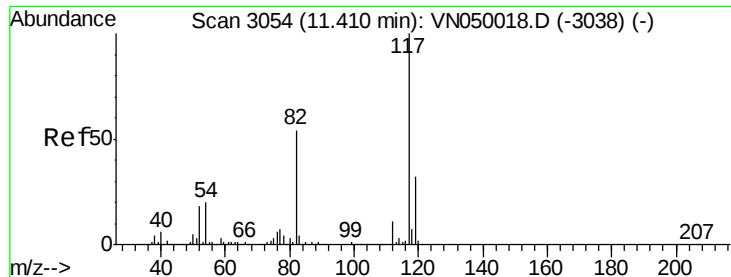
Ion Ratio Lower Upper

95 100

174 90.8 0.0 178.2

176 86.9 0.0 173.4





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN050113.D

Acq: 27 Jul 2018 4:54

Instrument :

MSVOA_N

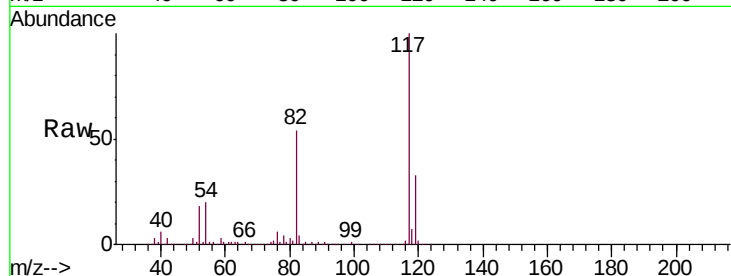
ClientSampled :

MW-6B

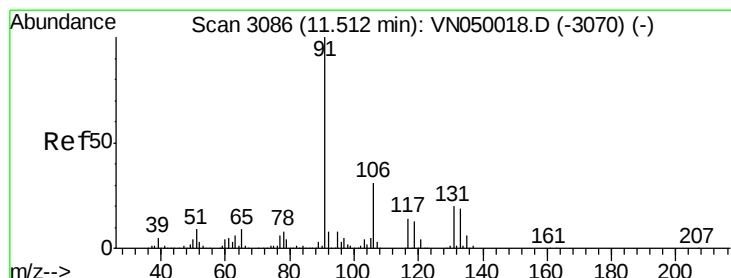
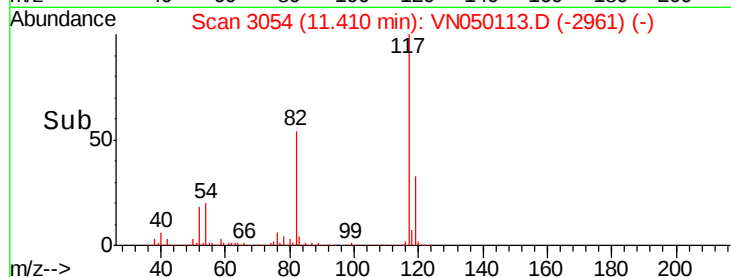
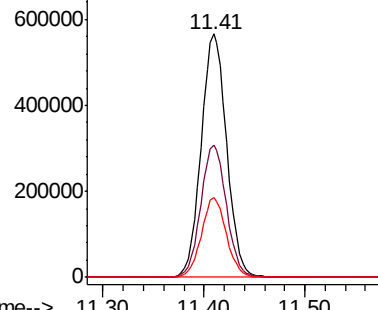
Tot Ion:	117	Resp:	996187
Ion Ratio	Lower	Upper	
117	100		
82	54.2	43.7	65.5
119	32.8	26.1	39.1

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



#67

Ethyl Benzene

Concen: 143.31 ug/l

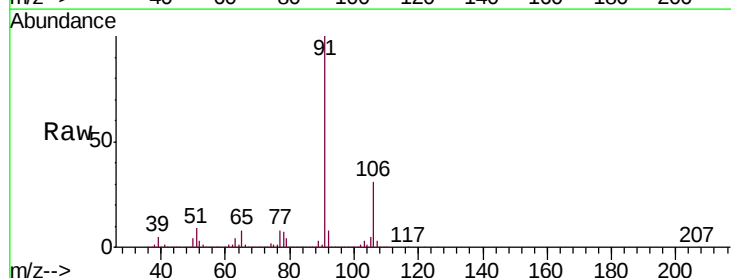
RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

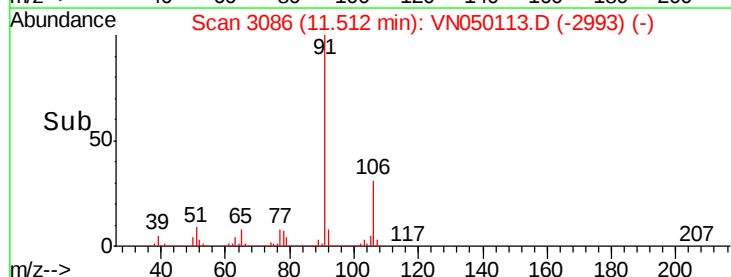
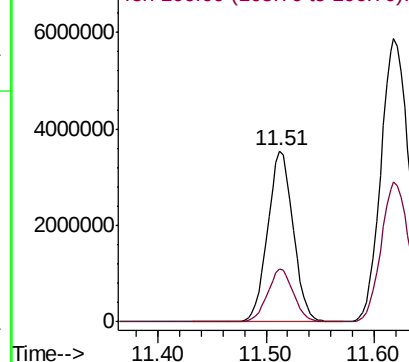
Lab File: VN050113.D

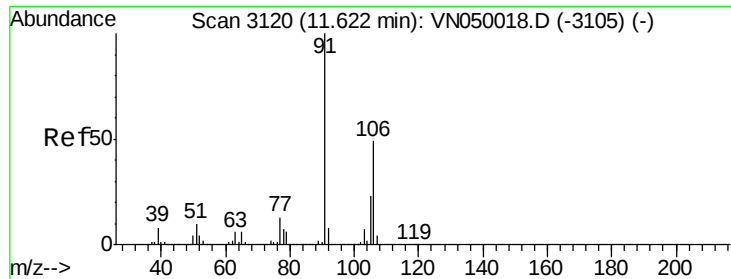
Acq: 27 Jul 2018 4:54

Tgt Ion:	91	Resp:	5792926
Ion Ratio	Lower	Upper	
91	100		
106	30.9	25.0	37.4



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





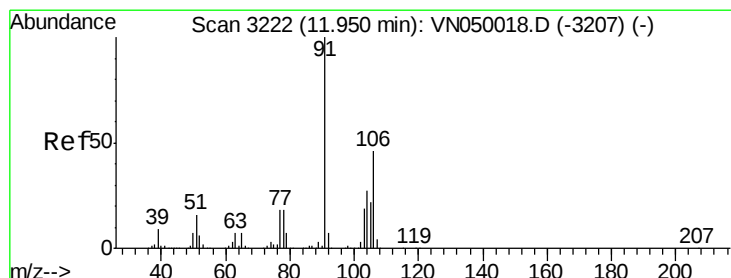
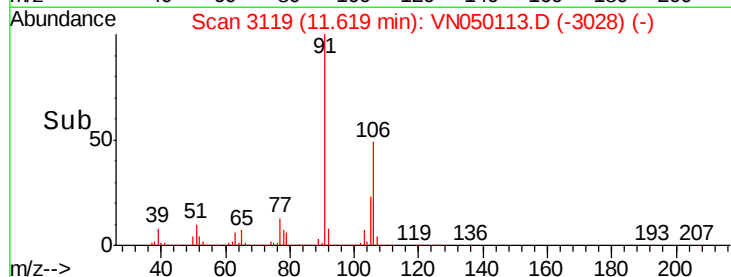
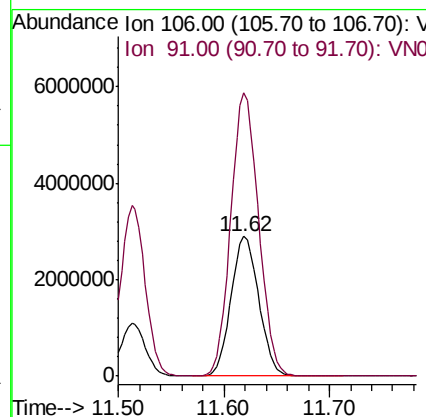
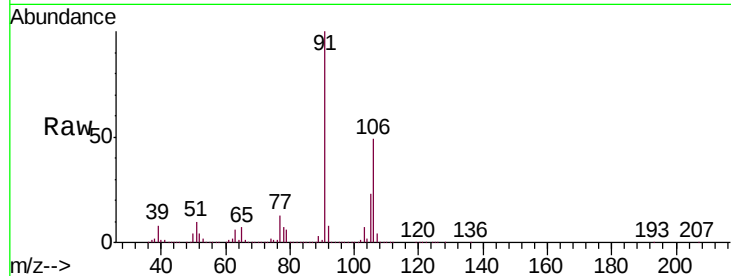
#68
m/p-Xvlenes
Concen: 345.38 ug/l
RT: 11.62 min Scan# 3119
Delta R.T. -0.01 min
Lab File: VN050113.D
Acq: 27 Jul 2018 4:54

Instrument :
MSVOA_N
ClientSampled :
MW-6B

Tot Ion:106 Resp: 5280649
Ion Ratio Lower Upper
106 100
91 202.6 162.2 243.2

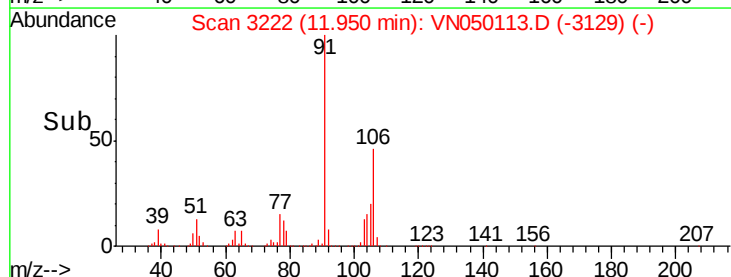
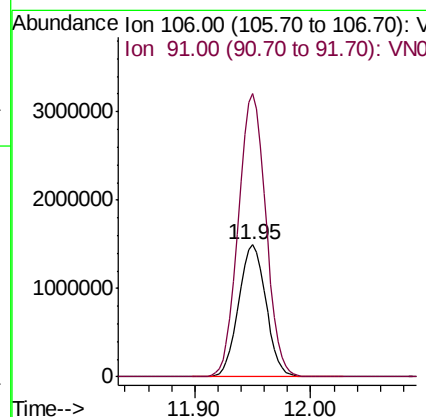
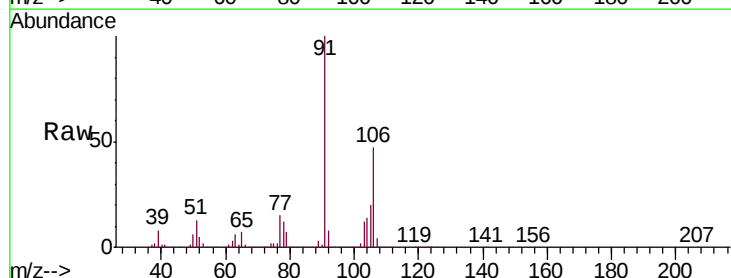
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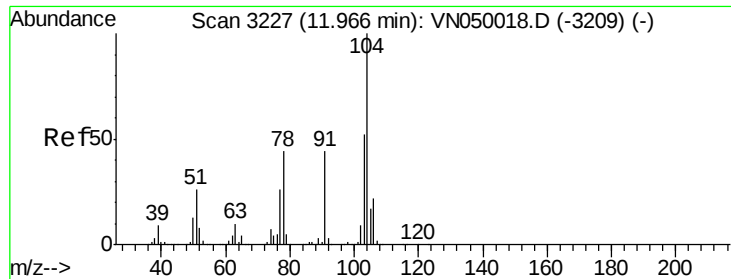
MMDadoda
7/27/2018 12:16:47 PM



#69
o-Xylene
Concen: 167.07 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050113.D
Acq: 27 Jul 2018 4:54

Tgt Ion:106 Resp: 2435122
Ion Ratio Lower Upper
106 100
91 215.2 107.7 323.1





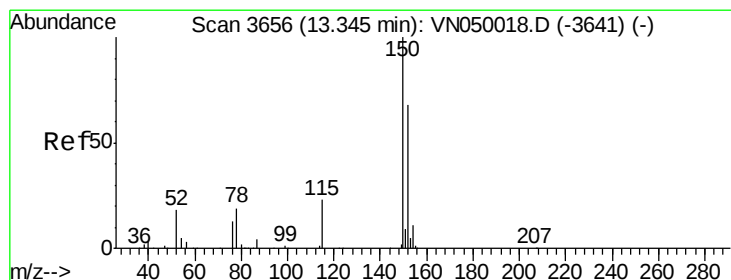
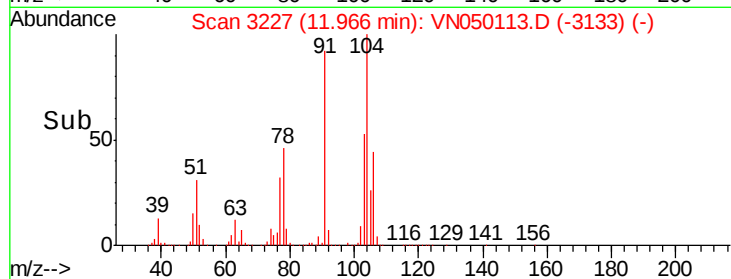
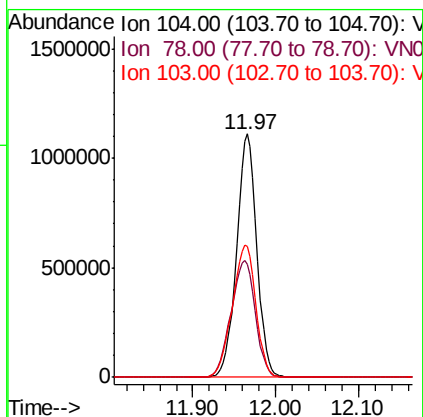
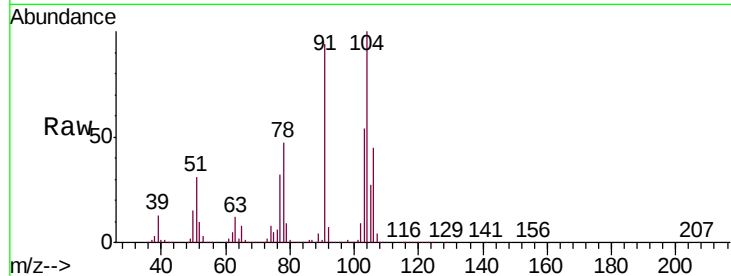
#70
Stvrene
Concen: 72.63 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050113.D
Acq: 27 Jul 2018 4:54

Instrument :
MSVOA_N
ClientSampled :
MW-6B

Tot Ion	Ratio	Lower	Upper
104	100		
78	57.4	39.3	58.9
103	63.2	45.0	67.6

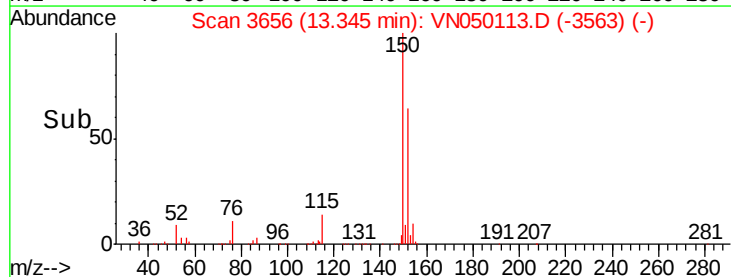
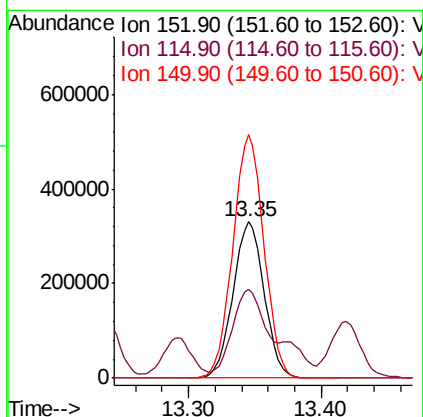
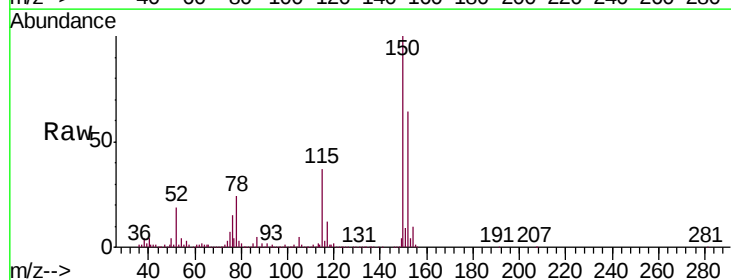
Manual Integrations
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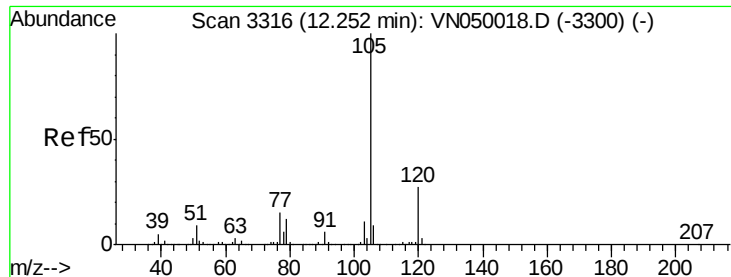
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050113.D
Acq: 27 Jul 2018 4:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.6	27.8	83.3
150	155.6	0.0	348.6





#73

Isopropylbenzene

Concen: 13.16 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050113.D

Acq: 27 Jul 2018 4:54

Instrument :

MSVOA_N

ClientSampleId :

MW-6B

Tot Ion: 105 Resp: 549349

Ion Ratio Lower Upper

105 100

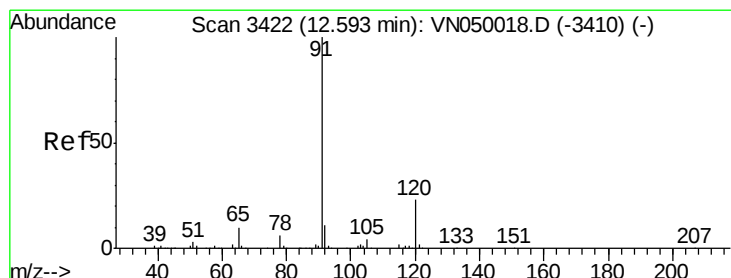
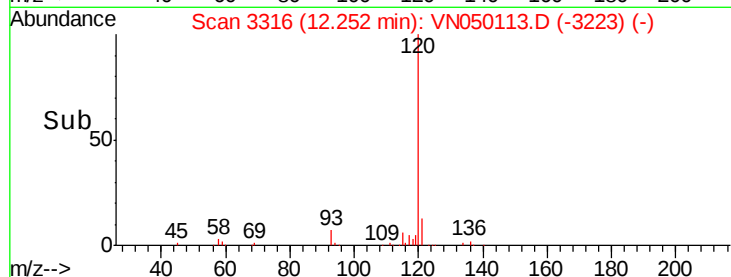
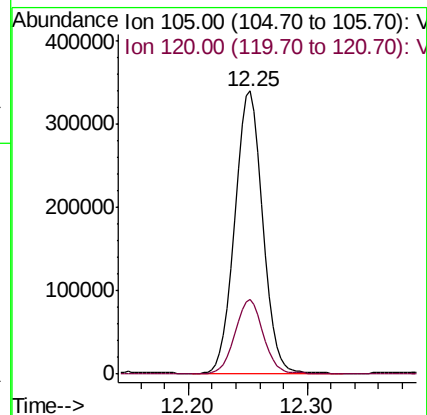
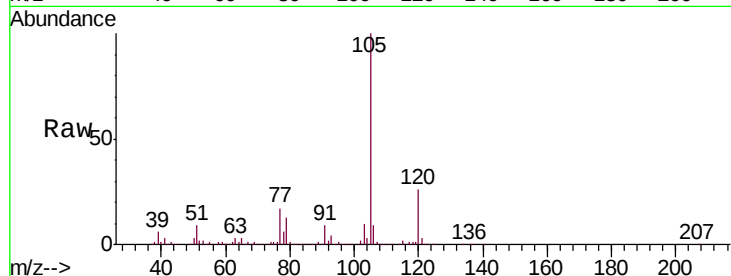
120 26.9 13.3 39.8

Manual Integrations

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#78

n-propylbenzene

Concen: 7.20 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050113.D

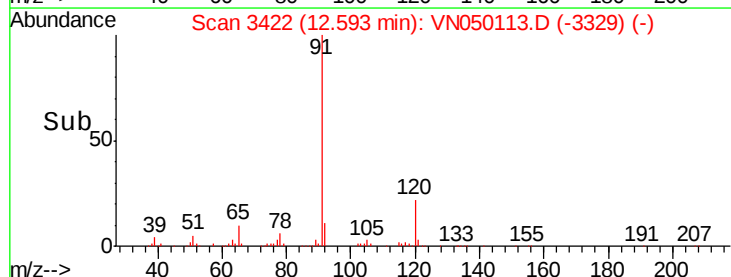
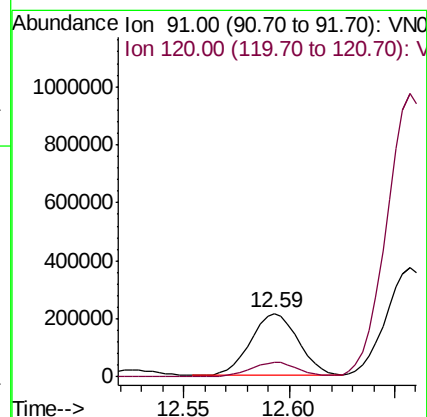
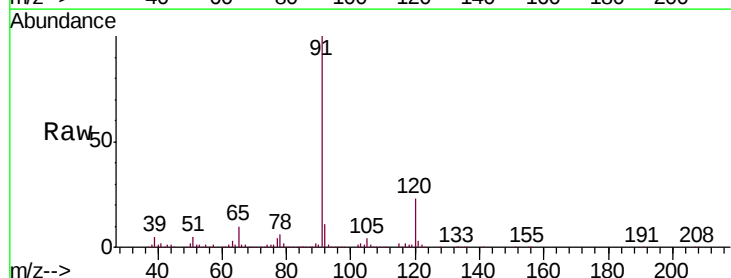
Acq: 27 Jul 2018 4:54

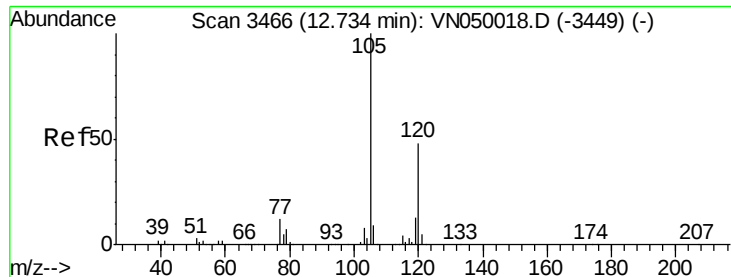
Tgt Ion: 91 Resp: 335872

Ion Ratio Lower Upper

91 100

120 23.5 11.6 34.7





#80

1,3,5-Trimethylbenzene

Concen: 73.45 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050113.D

Acq: 27 Jul 2018 4:54

Instrument :

MSVOA_N

ClientSampled :

MW-6B

Tot Ion:105 Resp: 2412393

Ion Ratio Lower Upper

105 100

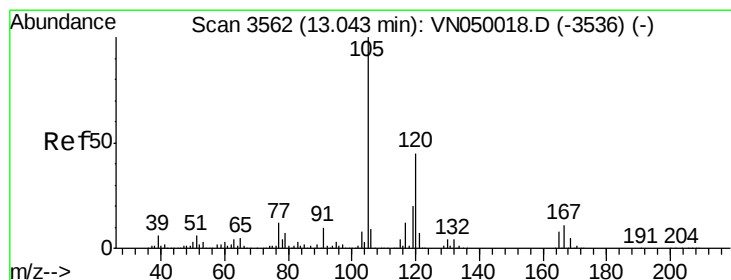
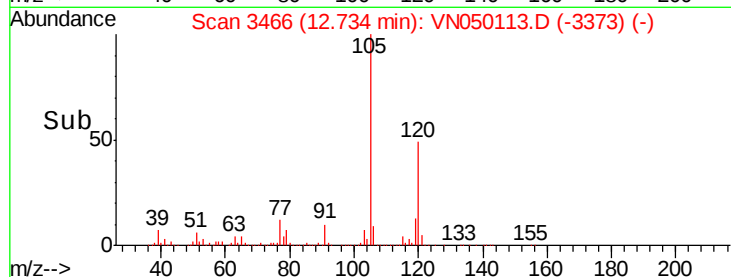
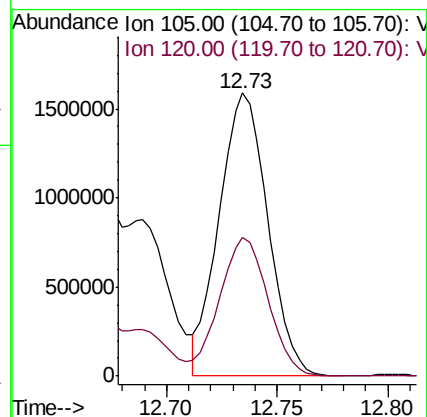
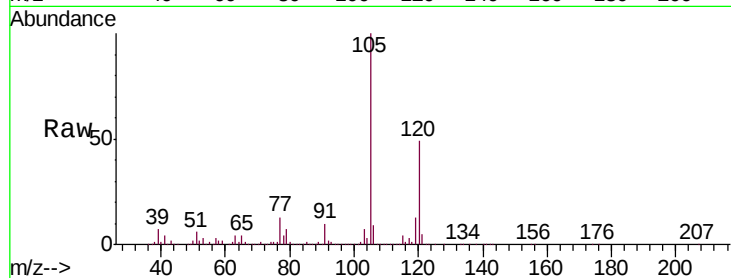
120 49.7 24.4 73.2

Manual Integrations

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#84

1,2,4-Trimethylbenzene

Concen: 142.94 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN050113.D

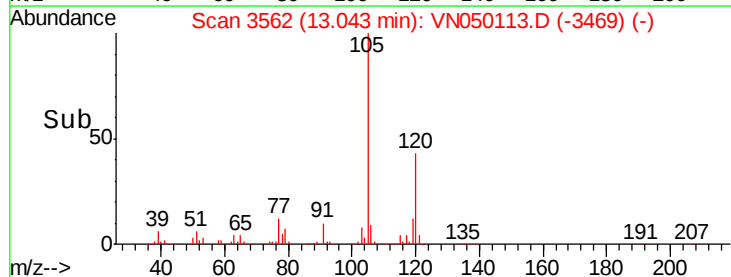
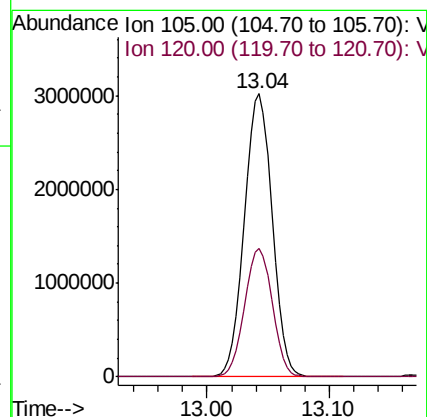
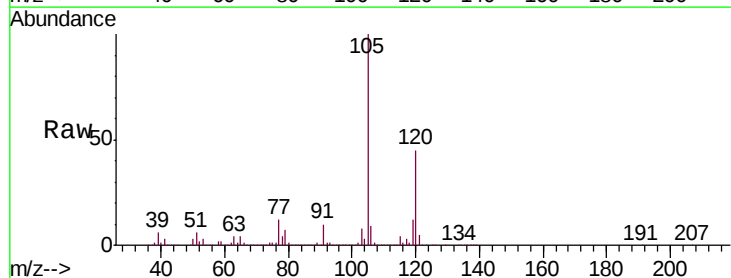
Acq: 27 Jul 2018 4:54

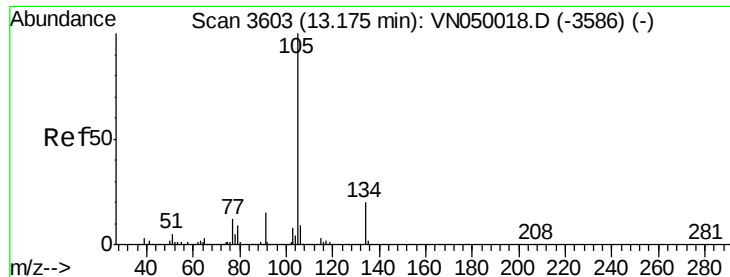
Tgt Ion:105 Resp: 4732412

Ion Ratio Lower Upper

105 100

120 45.2 22.9 68.7





#85

sec-Butylbenzene

Concen: 1.01 ug/l m

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050113.D

Acq: 27 Jul 2018 4:54

Instrument :

MSVOA_N

ClientSampled :

MW-6B

Tot Ion:105 Resp: 38576

Ion Ratio Lower Upper

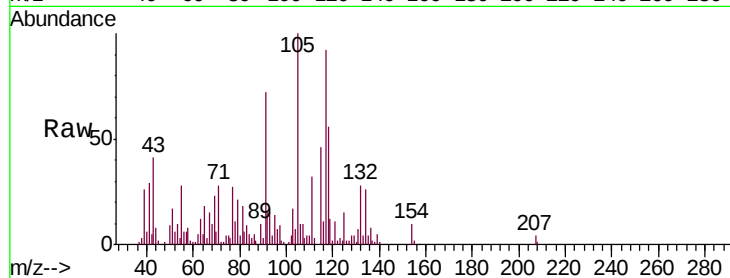
105 100

134 0.0 10.1 30.1#

Manual Integrations
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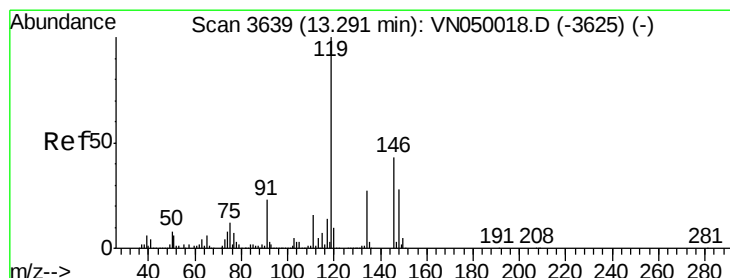
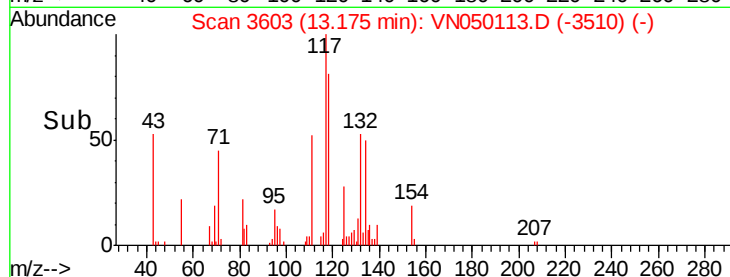
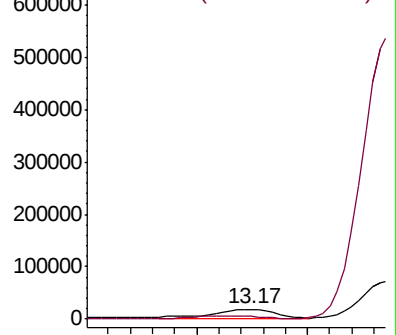
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.29 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050113.D

Acq: 27 Jul 2018 4:54

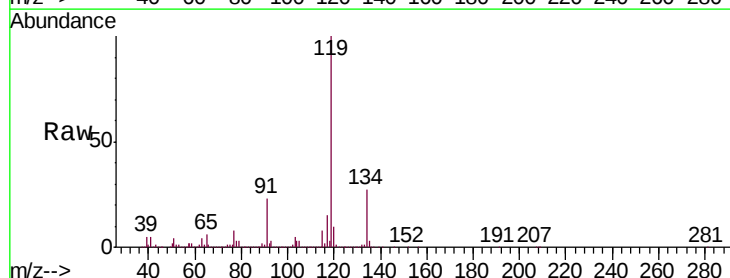
Tgt Ion:119 Resp: 1687412

Ion Ratio Lower Upper

119 100

134 26.9 13.3 39.8

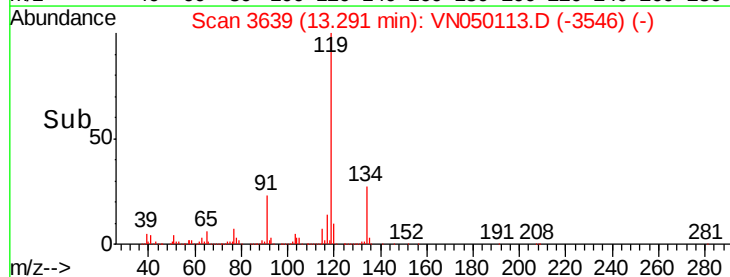
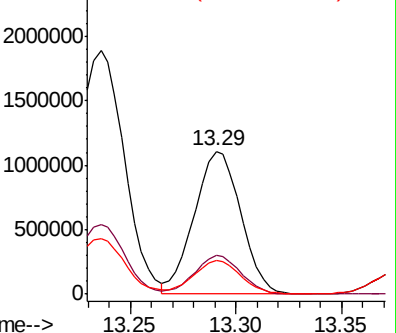
91 23.0 11.4 34.2

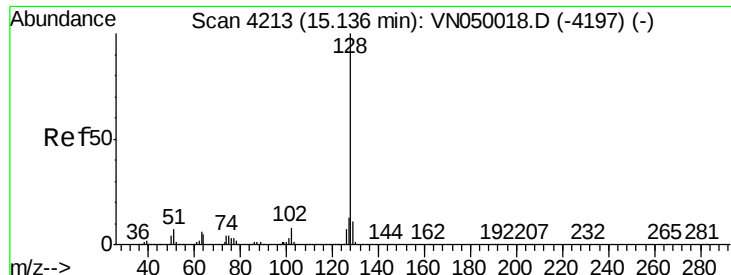


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#95
Naphthalene
Concen: 989.44 ug/l m
RT: 15.12 min Scan# 4207
Delta R.T. -0.02 min
Lab File: VN050113.D
Acq: 27 Jul 2018 4:54

Instrument :
MSVOA_N
ClientSampleId :
MW-6B

Tot Ion:128 Resp:26566693
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.8 13.2#

Manual Integrations
APPROVED

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7/27/2018 12:16:47 PM

