

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN073018\
 Data File : VN050192.D
 Acq On : 30 Jul 2018 17:13
 Operator : MD\SY
 Sample : J4221-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-22

Manual Integrations
 APPROVED

MMDadoda
 7/31/2018 3:20:34 PM

Quant Time: Aug 12 23:58:36 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	641728	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1051727	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	882853	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	376518	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	452776	50.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.14%	
35) Dibromofluoromethane	7.59	113	403392	46.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.96%	
50) Toluene-d8	10.09	98	1429510	45.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.56%	
62) 4-Bromofluorobenzene	12.40	95	431958	41.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	83.10%	
Target Compounds						
19) Methyl tert-butyl Ether	5.05	73	47980	2.434	ug/l	95
29) Tetrahydrofuran	7.23	42	2073	0.939	ug/l #	72
31) Cyclohexane	7.66	56	17486	1.351	ug/l #	12
39) Methylcyclohexane	9.08	83	12570	1.031	ug/l	94
69) o-Xylene	11.95	106	6013	0.466	ug/l	69
73) Isopropylbenzene	12.25	105	128206	4.390	ug/l	99
78) n-propylbenzene	12.59	91	180362	5.526	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	17145	0.741	ug/l	92
85) sec-Butylbenzene	13.17	105	68559	2.560	ug/l	83
89) n-Butylbenzene	13.62	91	17054m	0.919	ug/l	
95) Naphthalene	15.14	128	465996	29.122	ug/l	100

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

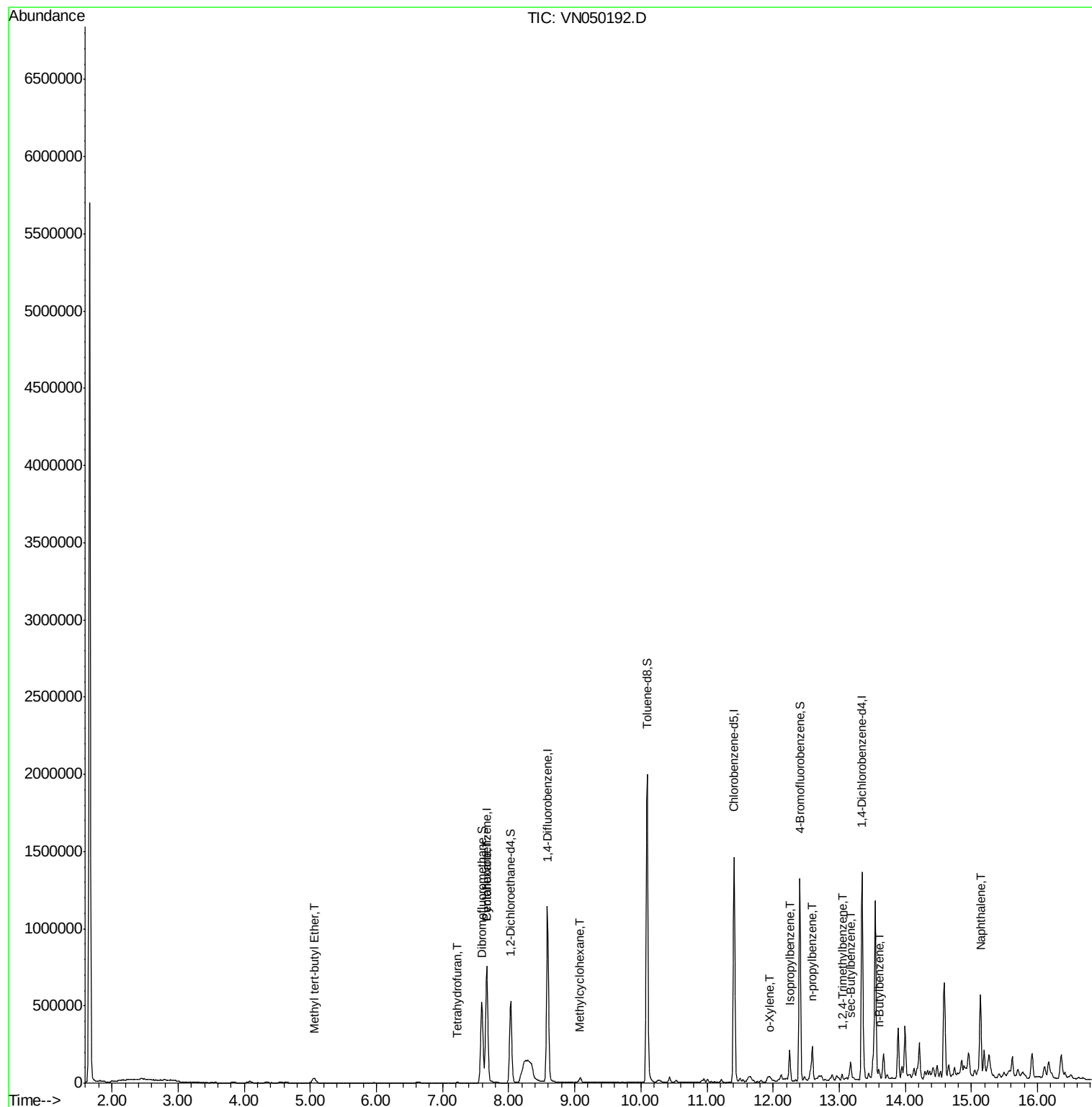
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN073018\
Data File : VN050192.D
Acq On : 30 Jul 2018 17:13
Operator : MD\SY
Sample : J4221-03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

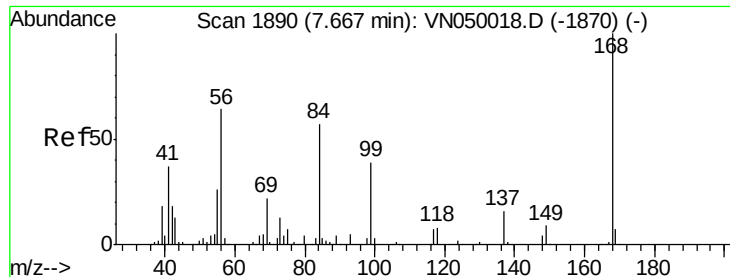
Instrument :
MSVOA_N
ClientSampleId :
MW-22

Manual Integrations
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7/31/2018 3:20:34 PM

Quant Time: Aug 12 23:58:36 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050192.D

Acq: 30 Jul 2018 17:13

Instrument :

MSVOA_N

ClientSampleId :

MW-22

Tgt Ion:168 Resp: 641728

Ion Ratio Lower Upper

168 100

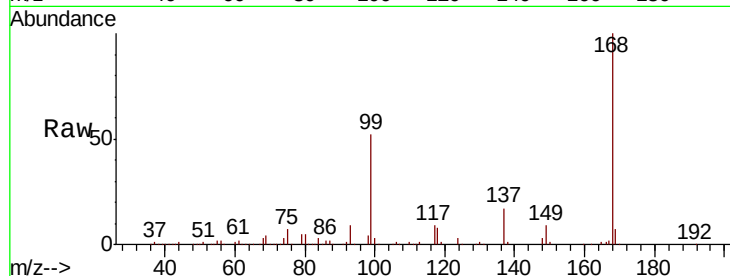
99 52.1 40.0 60.0

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

250000

200000

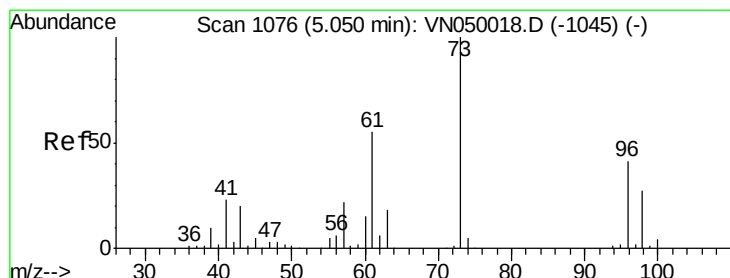
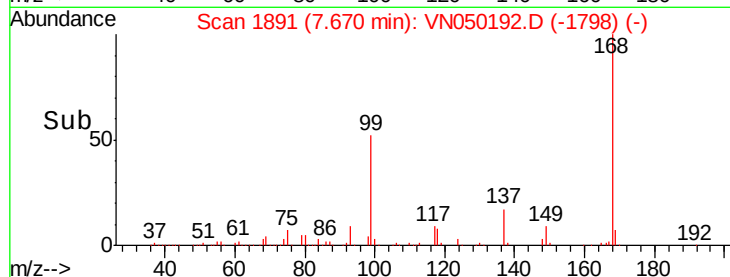
150000

100000

50000

0

Time-->



#19

Methyl tert-butyl Ether

Concen: 2.434 ug/l

RT: 5.05 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VN050192.D

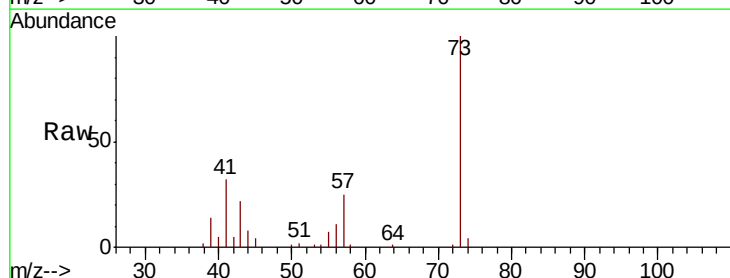
Acq: 30 Jul 2018 17:13

Tgt Ion: 73 Resp: 47980

Ion Ratio Lower Upper

73 100

57 24.9 18.0 27.0



Abundance Ion 73.00 (72.70 to 73.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

5.05

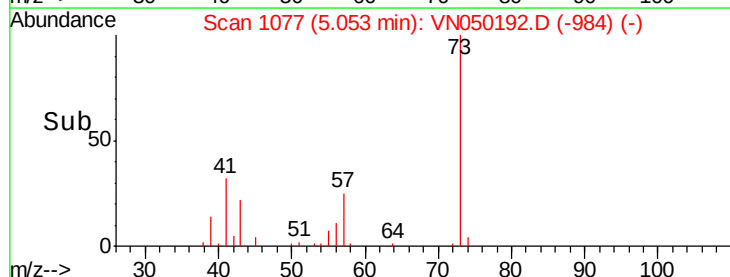
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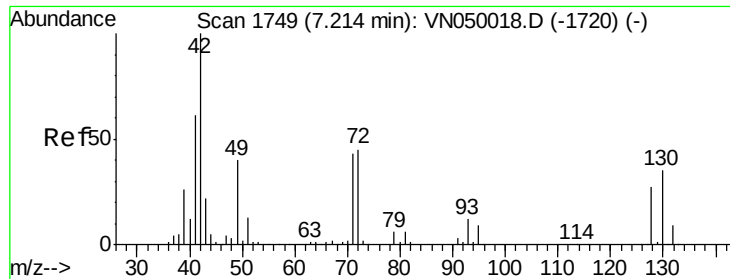
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0

Time-->





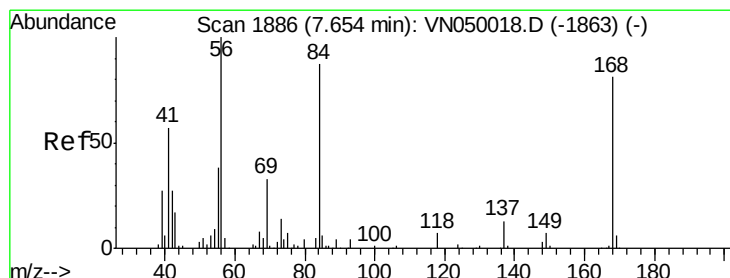
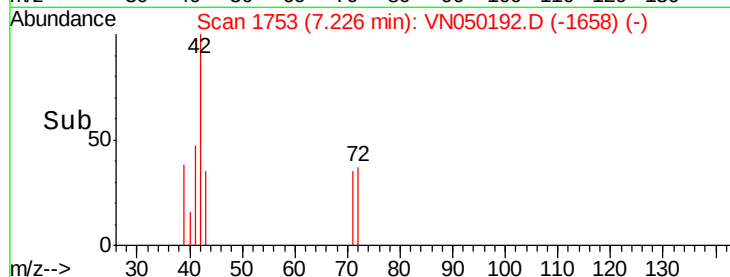
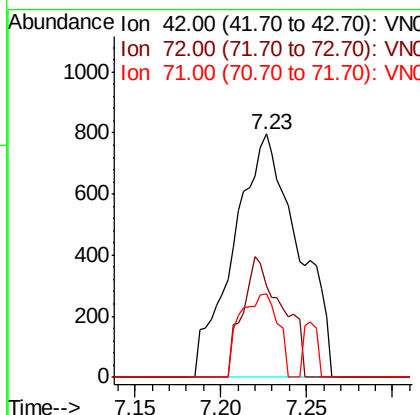
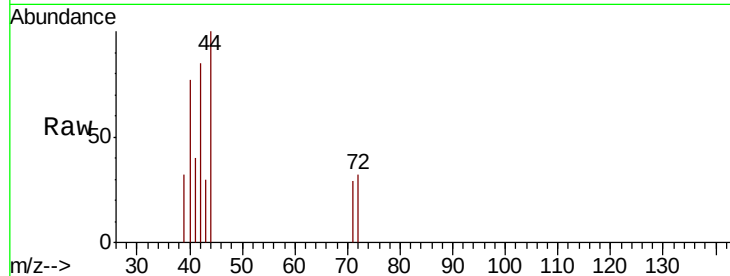
#29
Tetrahydrofuran
Concen: 0.939 ug/l
RT: 7.23 min Scan# 1753
Delta R.T. 0.01 min
Lab File: VN050192.D
Acq: 30 Jul 2018 17:13

Instrument :
MSVOA_N
ClientSampled :
MW-22

Tgt Ion	Ratio	Lower	Upper
42	100		
72	30.6	35.9	53.9#
71	20.2	33.7	50.5#

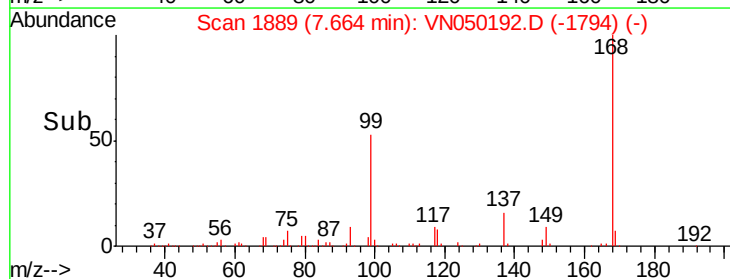
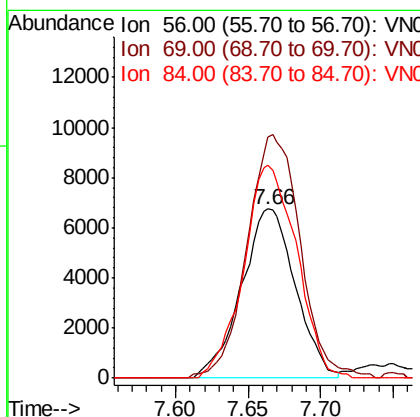
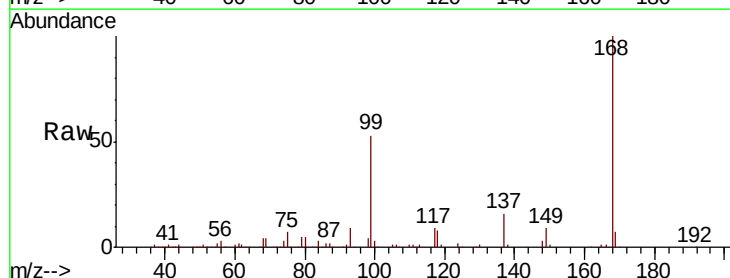
Manual Integrations
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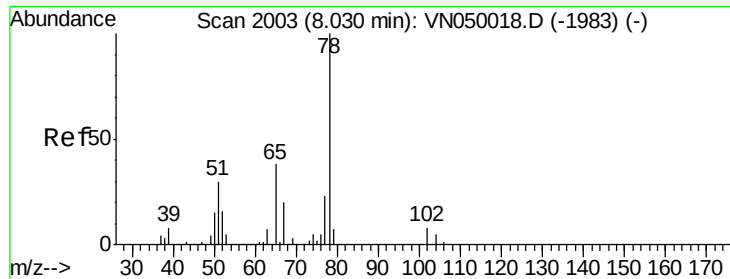
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#31
Cyclohexane
Concen: 1.351 ug/l
RT: 7.66 min Scan# 1889
Delta R.T. 0.01 min
Lab File: VN050192.D
Acq: 30 Jul 2018 17:13

Tgt Ion	Ratio	Lower	Upper
56	100		
69	142.9	26.2	39.4#
84	125.9	67.4	101.0#





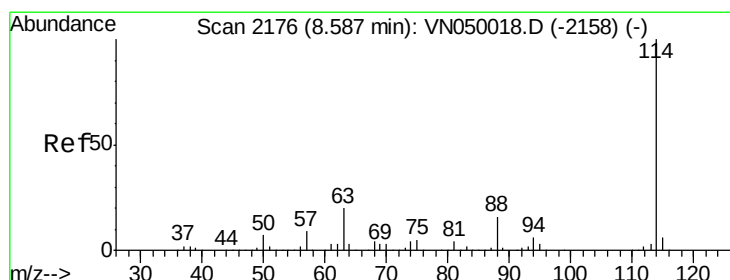
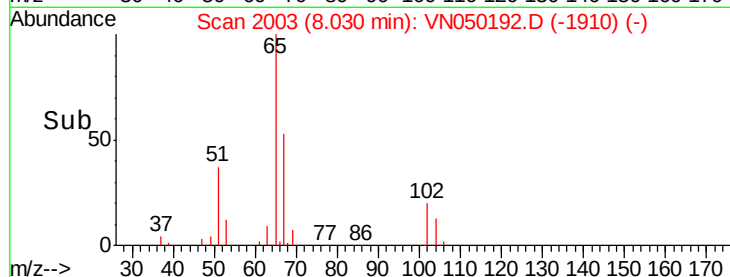
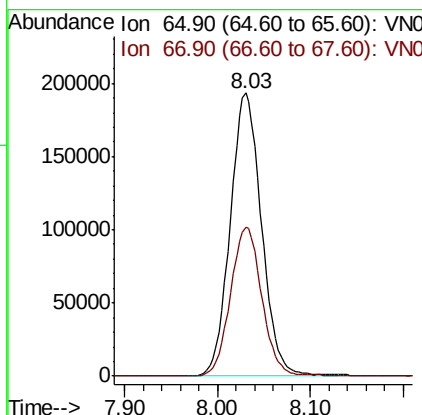
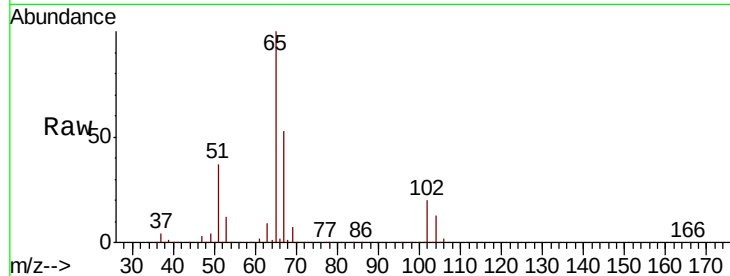
#33
 1,2-Dichloroethane-d4
 Concen: 50.569 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050192.D
 Acq: 30 Jul 2018 17:13

Instrument :
 MSVOA_N
 ClientSampled :
 MW-22

Tgt Ion: 65 Resp: 452776
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 108.4

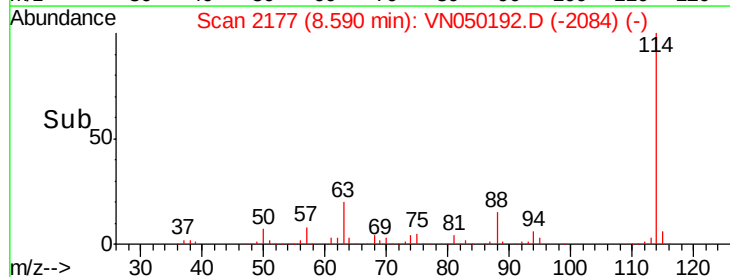
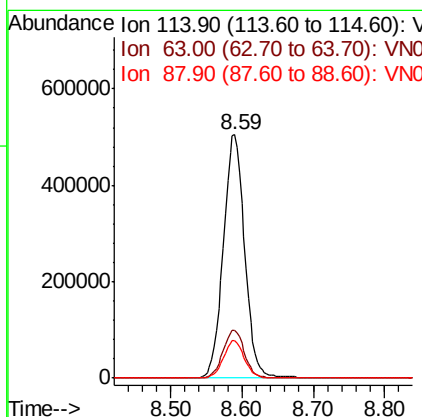
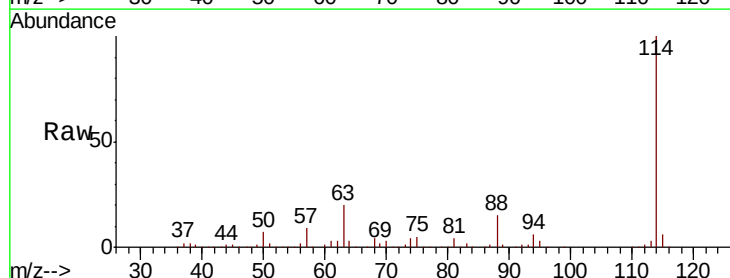
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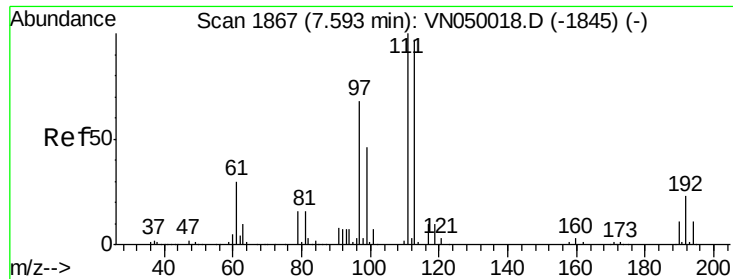
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 7/31/2018 3:20:34 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050192.D
 Acq: 30 Jul 2018 17:13

Tgt Ion: 114 Resp: 1051727
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 40.0
 88 15.4 0.0 31.2





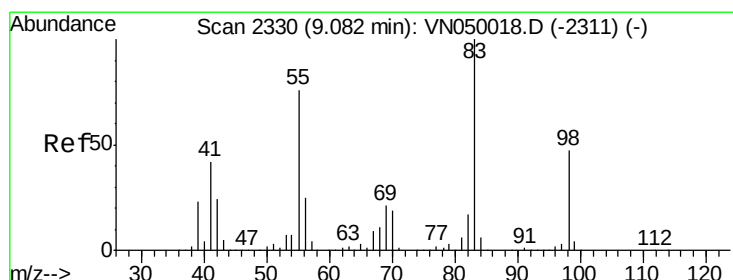
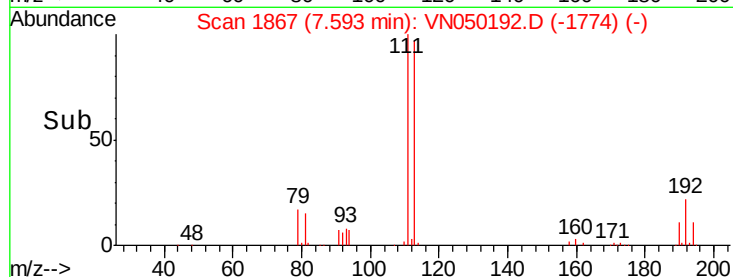
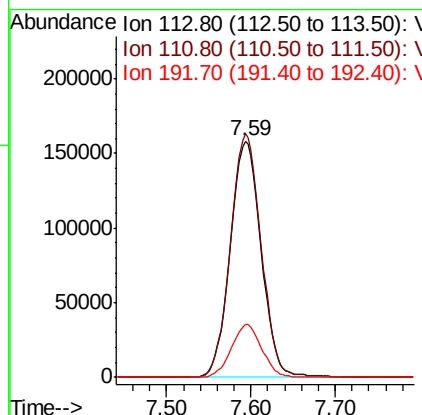
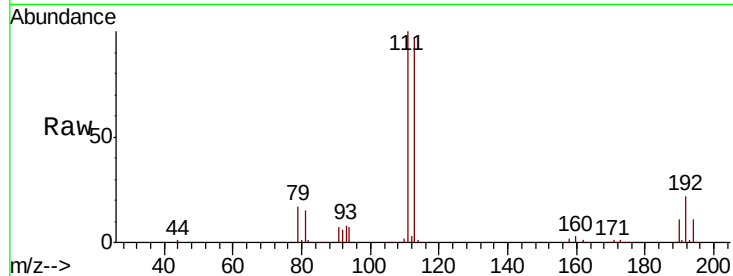
#35
Dibromofluoromethane
Concen: 46.977 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN050192.D
Acq: 30 Jul 2018 17:13

Instrument :
MSVOA_N
ClientSampled :
MW-22

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	403392		
111	101.9	80.7	121.1	
192	21.9	17.8	26.6	

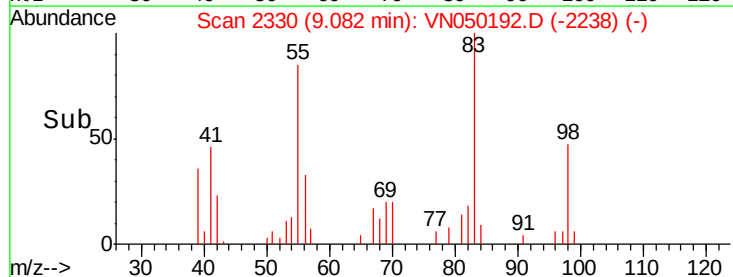
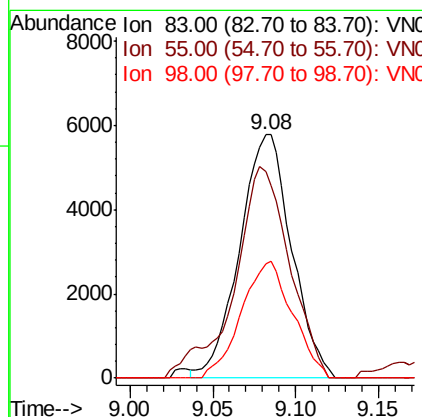
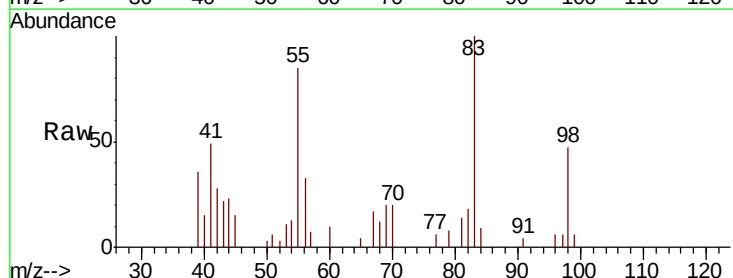
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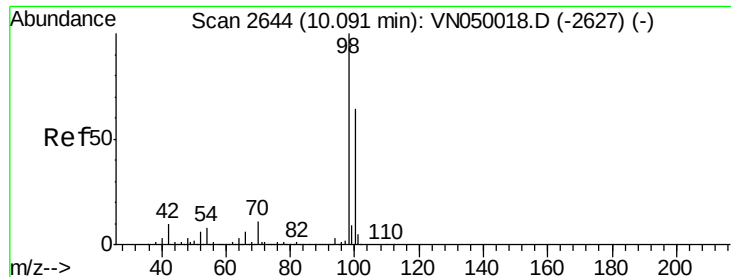
MMDadoda
7/31/2018 3:20:34 PM



#39
Methylcyclohexane
Concen: 1.031 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050192.D
Acq: 30 Jul 2018 17:13

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	12570		
55	84.9	61.8	92.8	
98	47.2	36.5	54.7	





#50

Toluene-d8

Concen: 45.281 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN050192.D

Acq: 30 Jul 2018 17:13

Instrument :

MSVOA_N

ClientSampleId :

MW-22

Tgt Ion: 98 Resp: 1429510

Ion Ratio Lower Upper

98 100

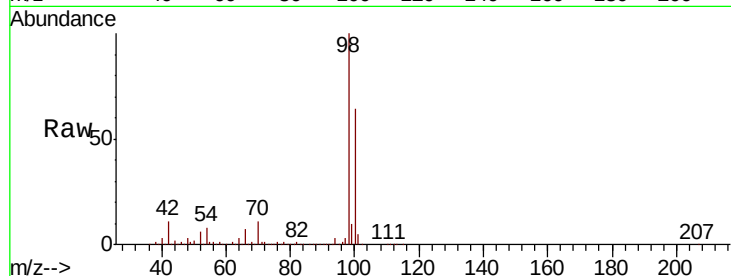
100 63.6 50.7 76.1

Manual Integrations

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Abundance Ion 98.00 (97.70 to 98.70): VN050018.D (-2627) (-)

Ion 100.00 (99.70 to 100.70): VN050018.D (-2627) (-)

10.09

800000

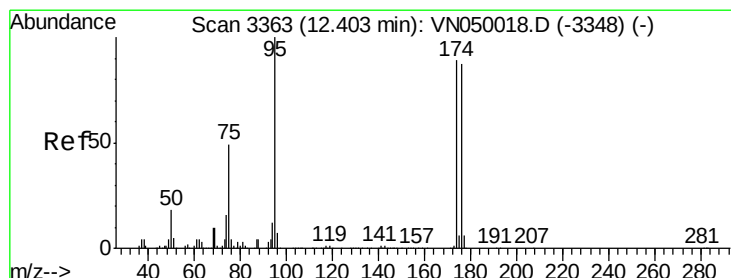
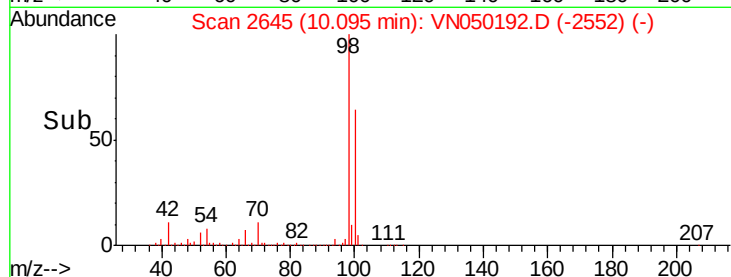
600000

400000

200000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 41.554 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050192.D

Acq: 30 Jul 2018 17:13

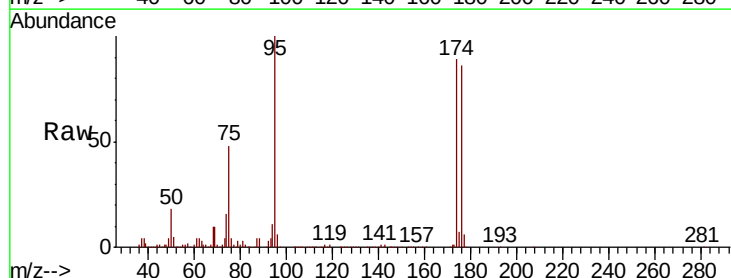
Tgt Ion: 95 Resp: 431958

Ion Ratio Lower Upper

95 100

174 91.1 0.0 178.2

176 87.7 0.0 173.4



Abundance Ion 94.90 (94.60 to 95.60): VN050018.D (-3348) (-)

Ion 173.80 (173.50 to 174.50): VN050018.D (-3348) (-)

Ion 175.80 (175.50 to 176.50): VN050018.D (-3348) (-)

12.40

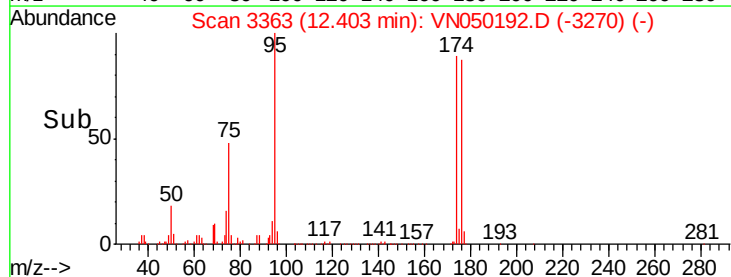
300000

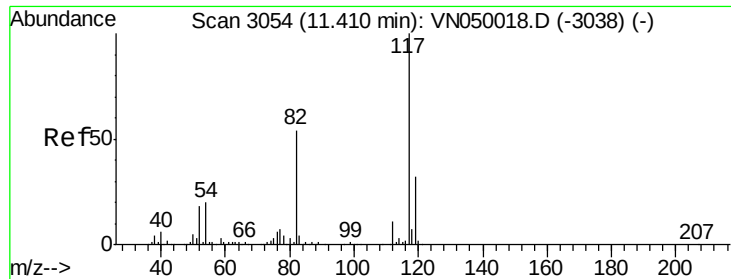
200000

100000

0

Time-->





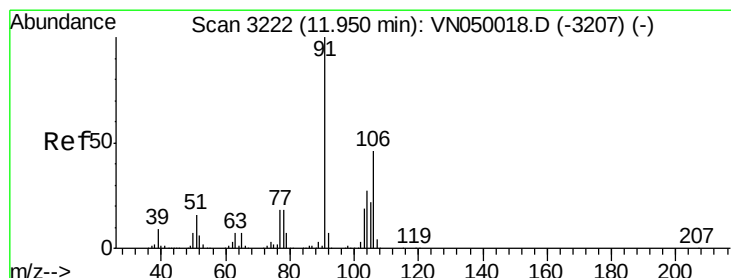
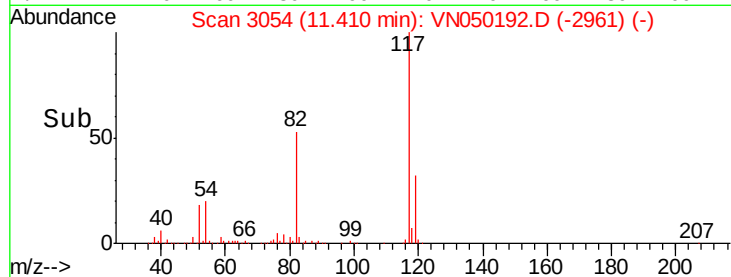
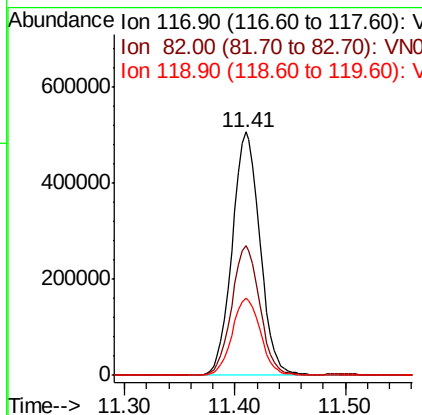
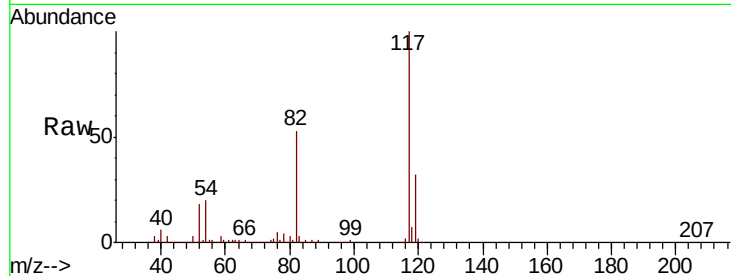
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050192.D
Acq: 30 Jul 2018 17:13

Instrument :
MSVOA_N
ClientSampled :
MW-22

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	882853		
82	53.3	43.7	65.5	
119	31.6	26.1	39.1	

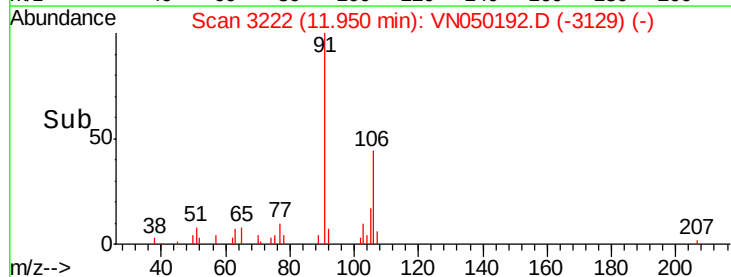
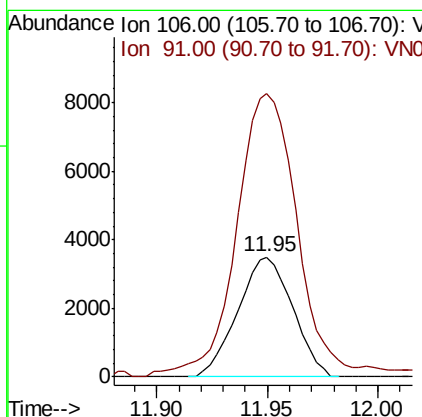
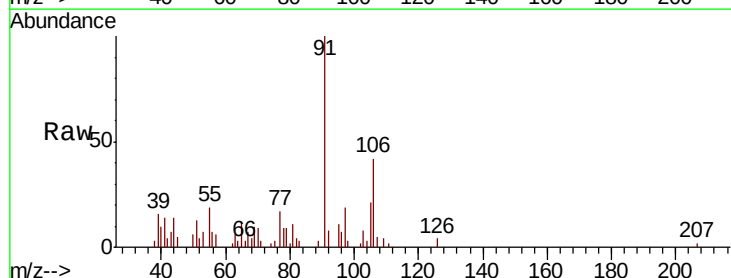
Manual Integrations
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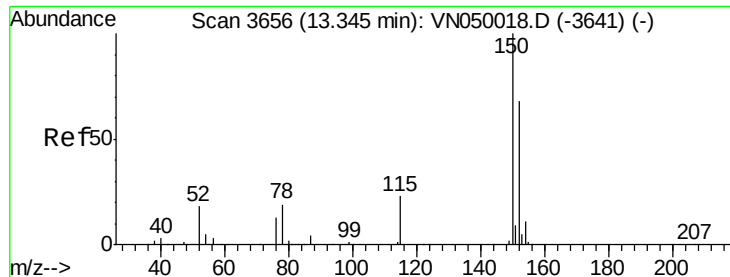
MMDadoda
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#69
o-Xylene
Concen: 0.466 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050192.D
Acq: 30 Jul 2018 17:13

Tgt Ion	Ratio	Resp	Lower	Upper
106	100	6013		
91	264.7	107.7	323.1	





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050192.D

Acq: 30 Jul 2018 17:13

Instrument :

MSVOA_N

ClientSampled :

MW-22

Tgt Ion:152 Resp: 376518
Ion Ratio Lower Upper

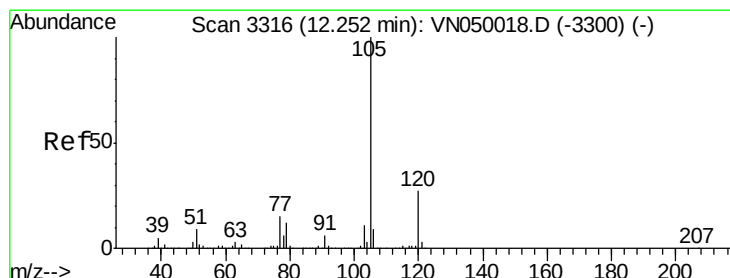
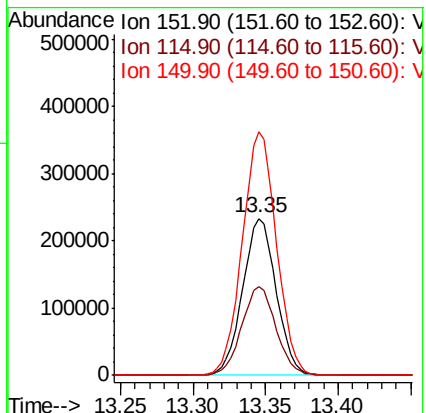
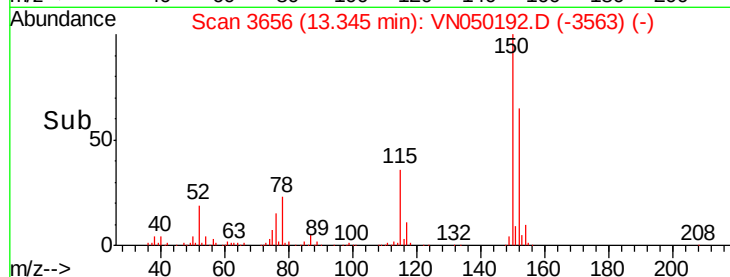
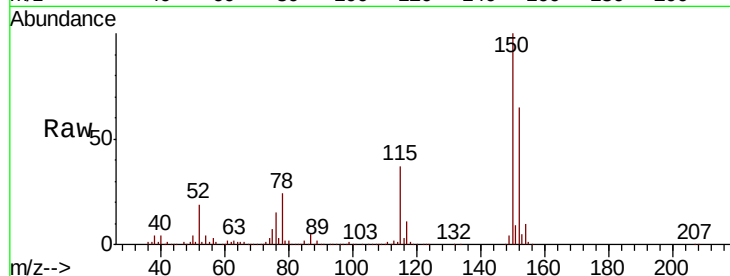
152 100

115 57.4 27.8 83.3

150 157.4 0.0 348.6

Manual Integrations
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#73

Isopropylbenzene

Concen: 4.390 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

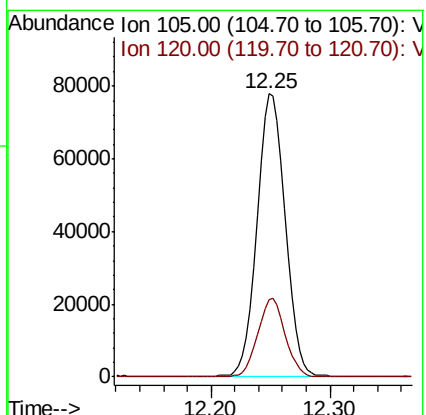
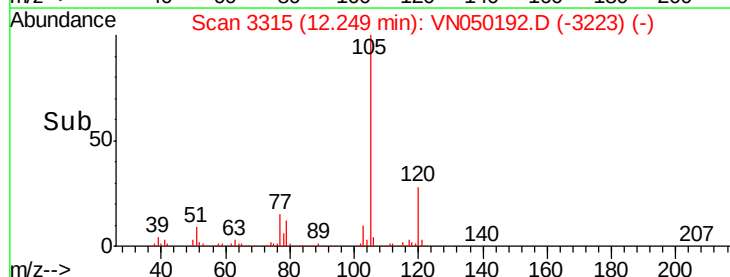
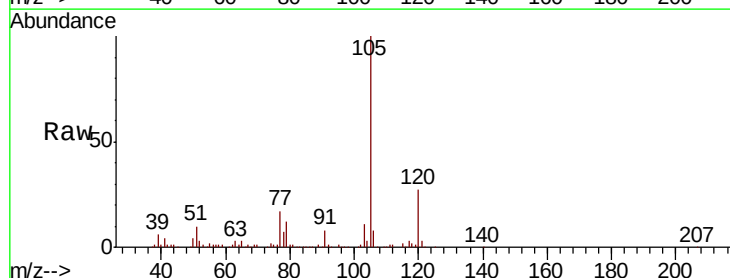
Lab File: VN050192.D

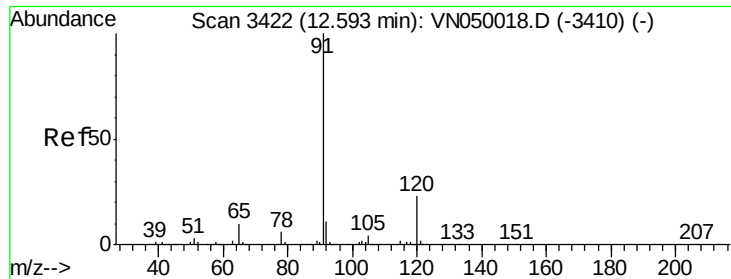
Acq: 30 Jul 2018 17:13

Tgt Ion:105 Resp: 128206
Ion Ratio Lower Upper

105 100

120 26.8 13.3 39.8





#78

n-propylbenzene

Concen: 5.526 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050192.D

Acq: 30 Jul 2018 17:13

Instrument :

MSVOA_N

ClientSampled :

MW-22

Tgt Ion: 91 Resp: 180362

Ion Ratio Lower Upper

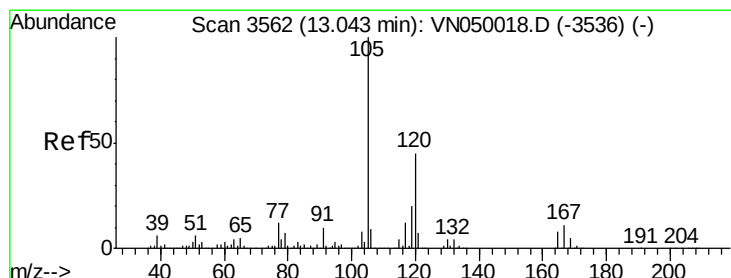
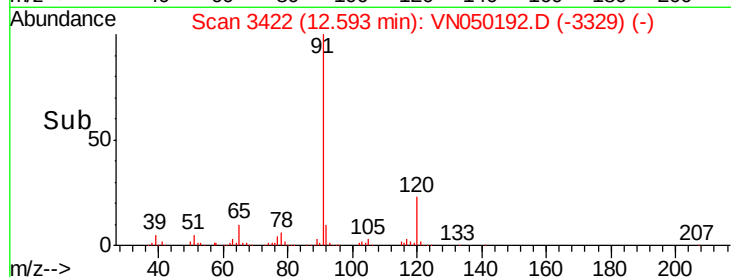
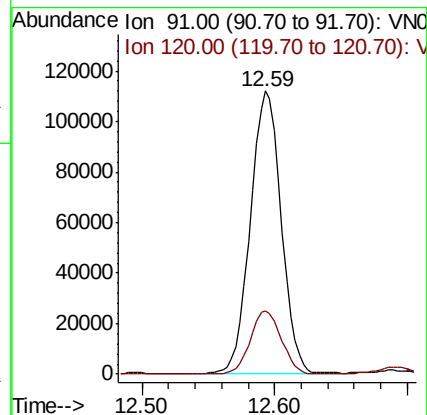
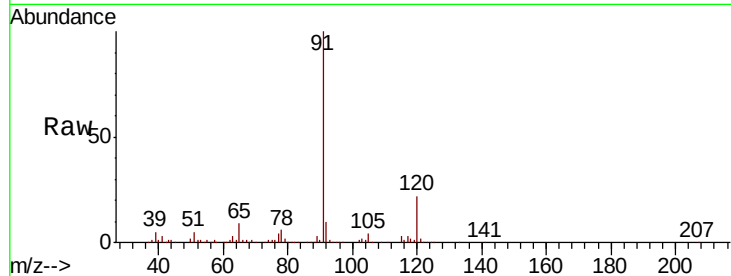
91 100

120 22.5 11.6 34.7

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 0.741 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN050192.D

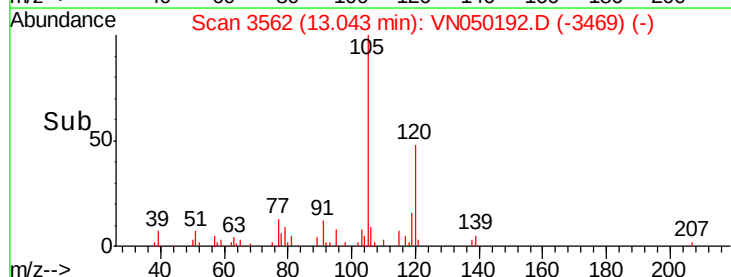
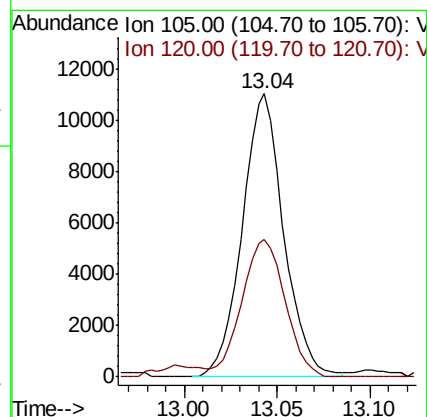
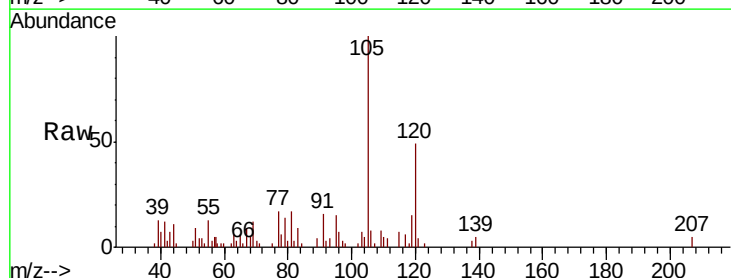
Acq: 30 Jul 2018 17:13

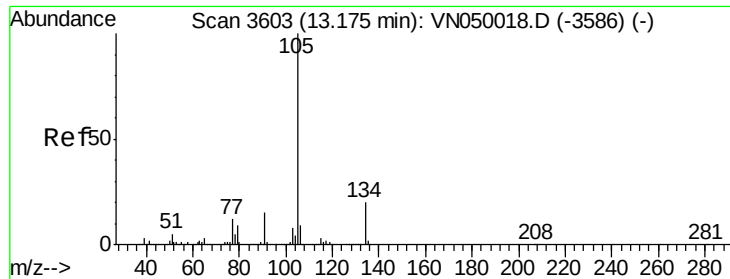
Tgt Ion: 105 Resp: 17145

Ion Ratio Lower Upper

105 100

120 50.9 22.9 68.7





#85

sec-Butylbenzene

Concen: 2.560 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050192.D

Acq: 30 Jul 2018 17:13

Instrument :

MSVOA_N

ClientSampleId :

MW-22

Tgt Ion: 105 Resp: 68559

Ion Ratio Lower Upper

105 100

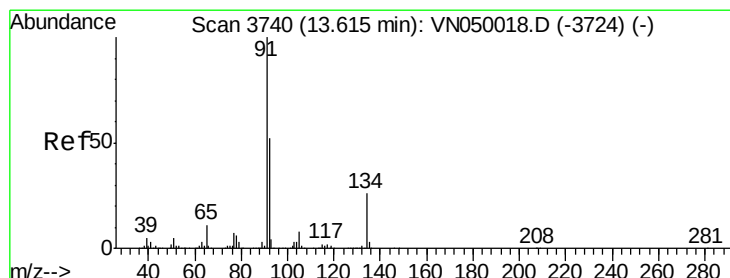
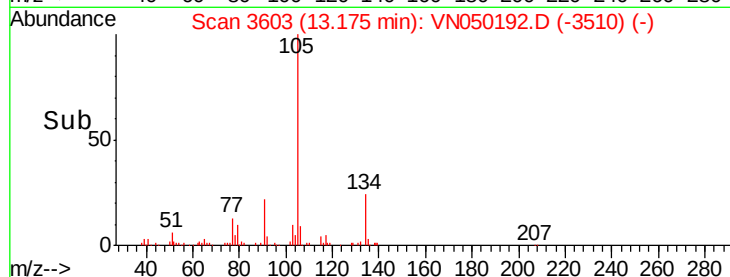
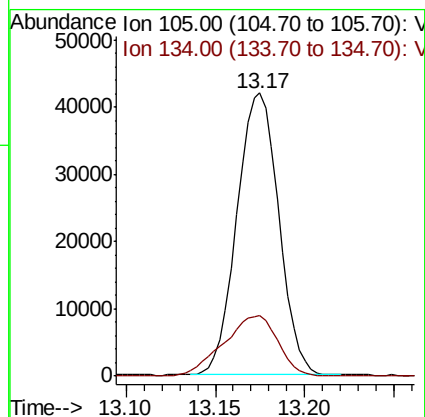
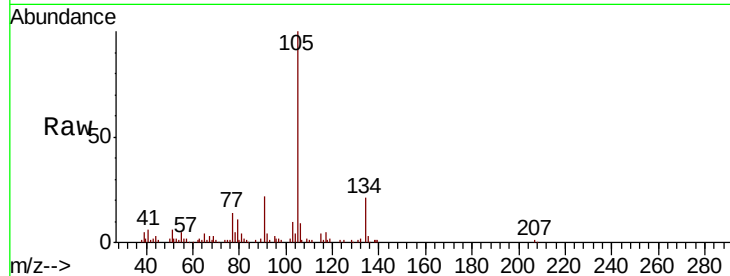
134 27.8 10.1 30.1

Manual Integrations

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#89

n-Butylbenzene

Concen: 0.919 ug/l m

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN050192.D

Acq: 30 Jul 2018 17:13

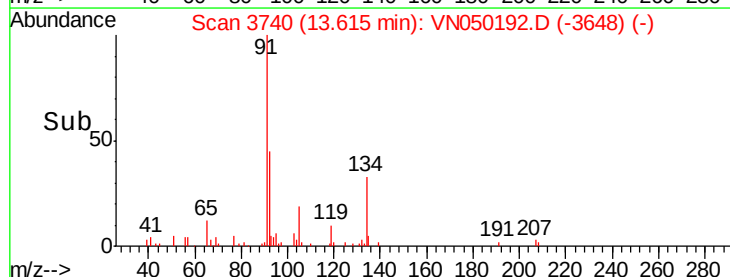
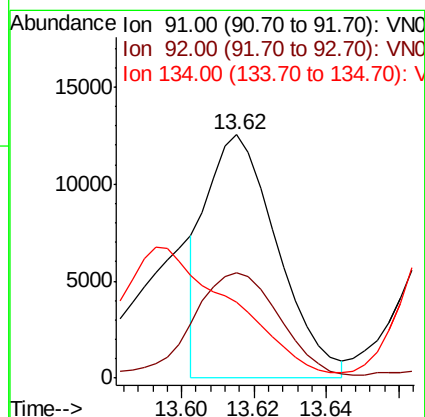
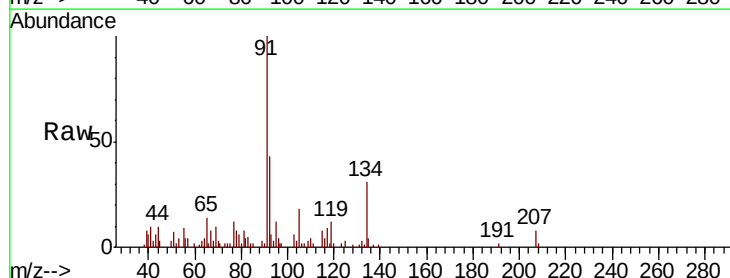
Tgt Ion: 91 Resp: 17054

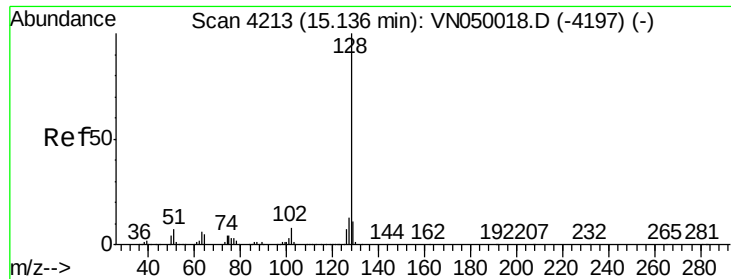
Ion Ratio Lower Upper

91 100

92 54.8 25.8 77.4

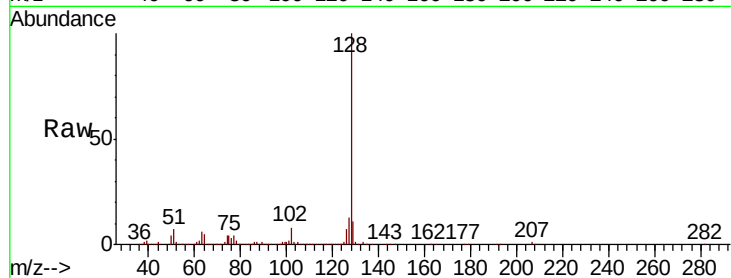
134 0.0 12.8 38.4#





#95
Naphthalene
Concen: 29.122 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050192.D
Acq: 30 Jul 2018 17:13

Instrument :
MSVOA_N
ClientSampleId :
MW-22



Tgt Ion	Ratio	Resp Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.8	8.8	13.2

Manual Integrations
APPROVED

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