

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080418\
 Data File : VN050364.D
 Acq On : 4 Aug 2018 14:07
 Operator : MD\SY
 Sample : J4328-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-04

Manual Integrations
 APPROVED

MMDadoda
 8/6/2018 11:40:04 AM

Quant Time: Aug 06 13:46:19 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	654263	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1054798	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1009543	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	484682	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	455413	49.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.78%	
35) Dibromofluoromethane	7.59	113	397478	46.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.30%	
50) Toluene-d8	10.09	98	1481495	46.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.58%	
62) 4-Bromofluorobenzene	12.40	95	502650	48.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.42%	
Target Compounds						
						Qvalue
11) Tert butyl alcohol	4.80	59	9352	13.92	ug/l	95
16) Acetone	3.82	43	30859	10.19	ug/l	94
19) Methyl tert-butyl Ether	5.05	73	77847	3.87	ug/l	96
40) Benzene	8.04	78	1735827	48.00	ug/l	100
52) Toluene	10.16	92	66328	3.11	ug/l	99
65) Chlorobenzene	11.42	112	25771050m	1010.59	ug/l	
67) Ethyl Benzene	11.51	91	251183	6.13	ug/l	100
68) m/p-Xylenes	11.62	106	30959	2.00	ug/l	98
69) o-Xylene	11.95	106	82613	5.59	ug/l	98
73) Isopropylbenzene	12.25	105	104040	2.77	ug/l	99
78) n-propylbenzene	12.59	91	312291	7.43	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	76890	2.60	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1248986	41.91	ug/l	100
85) sec-Butylbenzene	13.17	105	29261m	0.85	ug/l	
87) 1,3-Dichlorobenzene	13.28	146	52833	2.99	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	808331	46.96	ug/l	99
89) n-Butylbenzene	13.62	91	10573	0.44	ug/l #	80
91) 1,2-Dichlorobenzene	13.65	146	243721	13.80	ug/l	99
95) Naphthalene	15.13	128	146254	10.44	ug/l	99

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

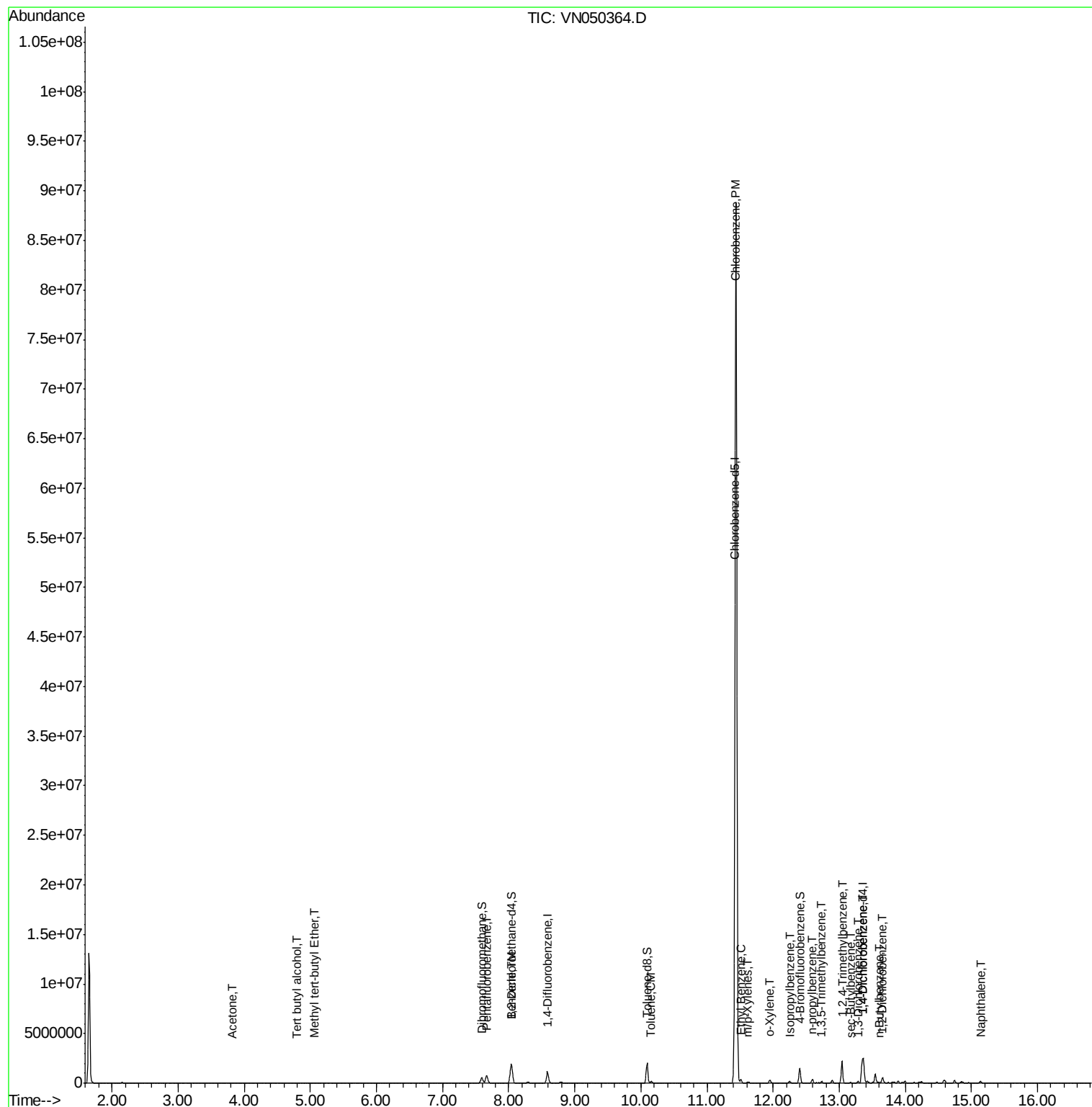
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080418\
Data File : VN050364.D
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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 11 Sample Multiplier: 1

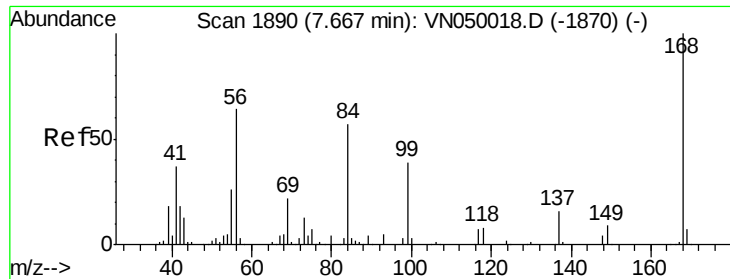
Instrument :
MSVOA_N
ClientSampleId :
MW-04

Manual Integrations
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8/6/2018 11:40:04 AM

Quant Time: Aug 06 13:46:19 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: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050364.D

Acq: 4 Aug 2018 14:07

Instrument :

MSVOA_N

ClientSampled :

MW-04

Tot Ion:168 Resp: 654263

Ion Ratio Lower Upper

168 100

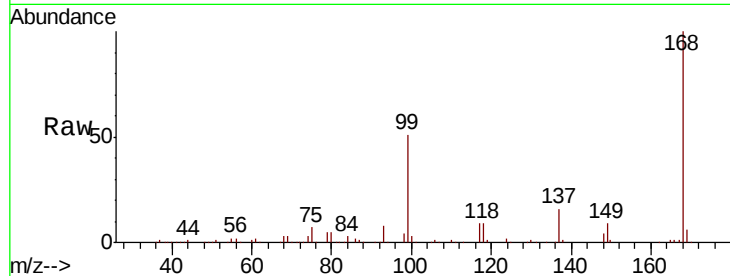
99 50.9 40.0 60.0

Manual Integrations

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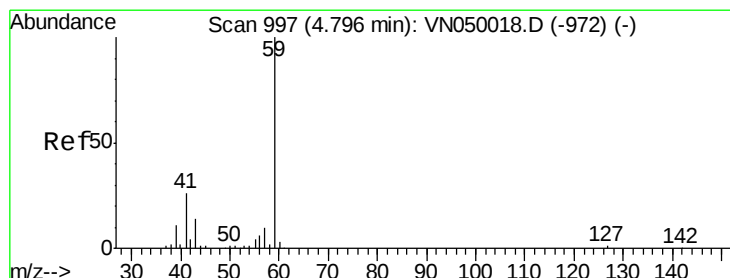
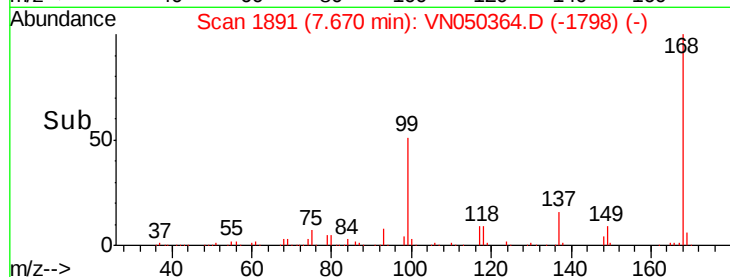
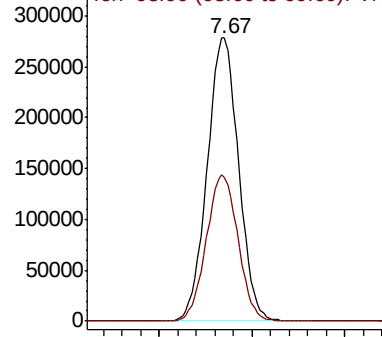
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#11

Tert butyl alcohol

Concen: 13.92 ug/l

RT: 4.80 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN050364.D

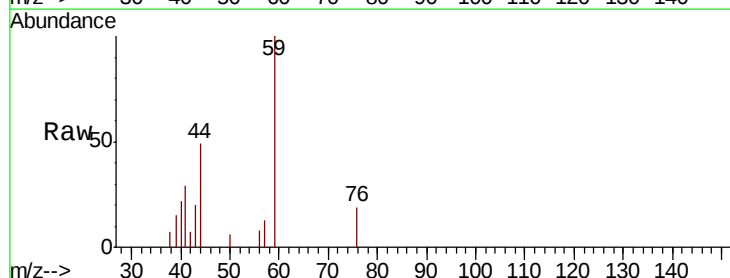
Acq: 4 Aug 2018 14:07

Tgt Ion: 59 Resp: 9352

Ion Ratio Lower Upper

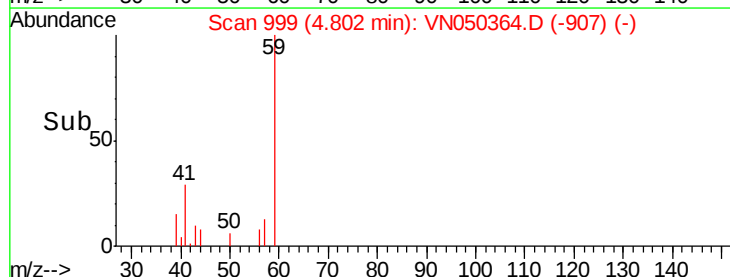
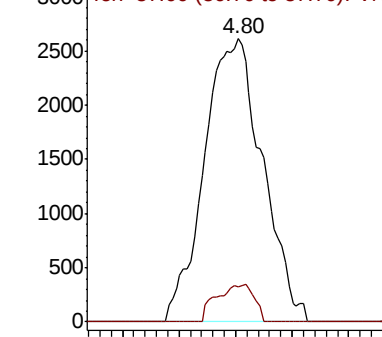
59 100

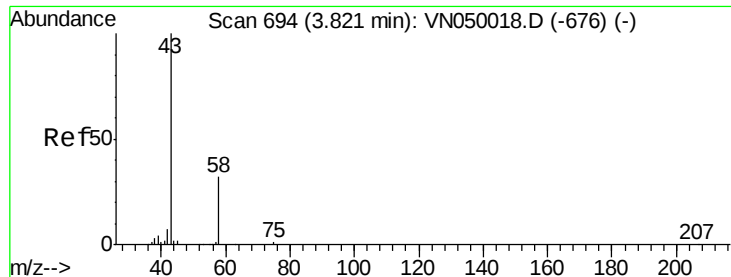
57 8.6 8.5 12.7



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN





#16

Acetone

Concen: 10.19 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050364.D

Acq: 4 Aug 2018 14:07

Instrument :

MSVOA_N

ClientSampled :

MW-04

Tot Ion: 43 Resp: 30859

Ion Ratio Lower Upper

43 100

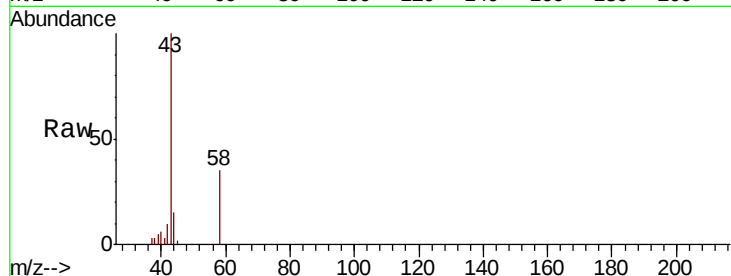
58 35.4 25.8 38.8

Manual Integrations

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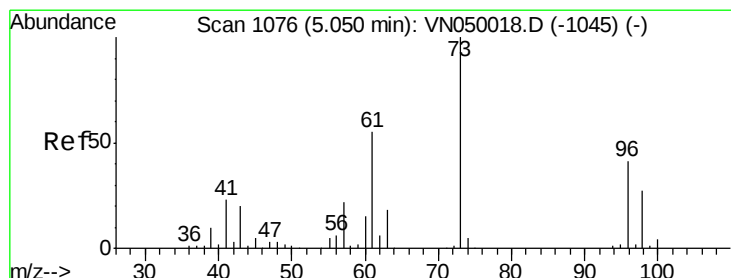
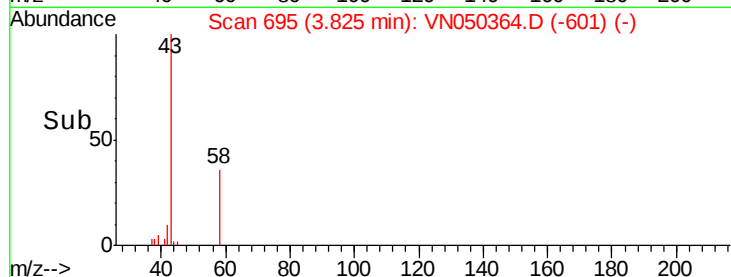
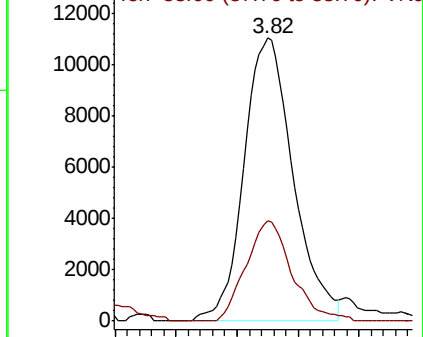
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#19

Methyl tert-butyl Ether

Concen: 3.87 ug/l

RT: 5.05 min Scan# 1076

Delta R.T. -0.00 min

Lab File: VN050364.D

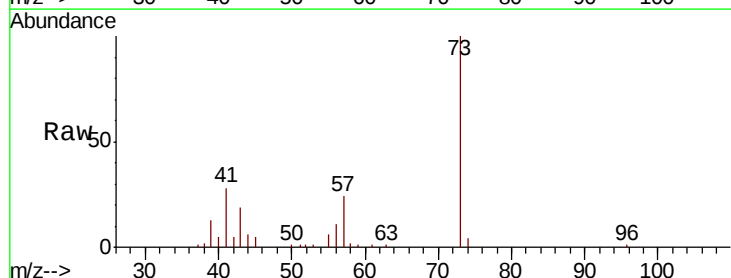
Acq: 4 Aug 2018 14:07

Tgt Ion: 73 Resp: 77847

Ion Ratio Lower Upper

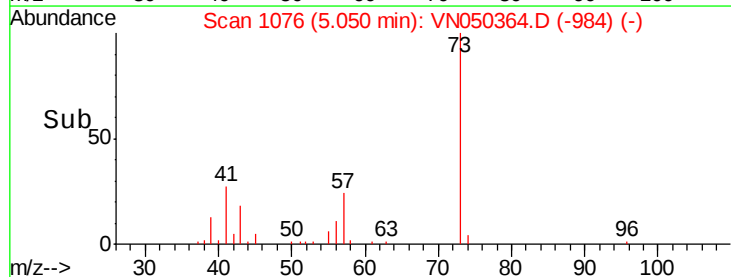
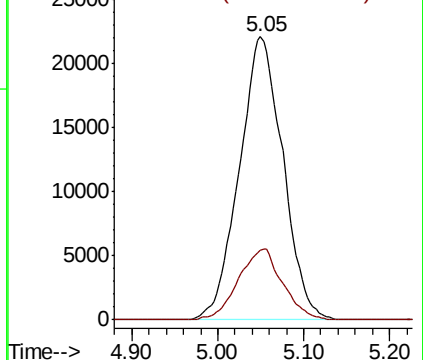
73 100

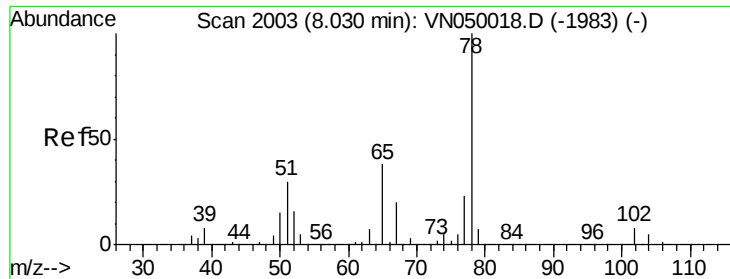
57 24.4 18.0 27.0



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





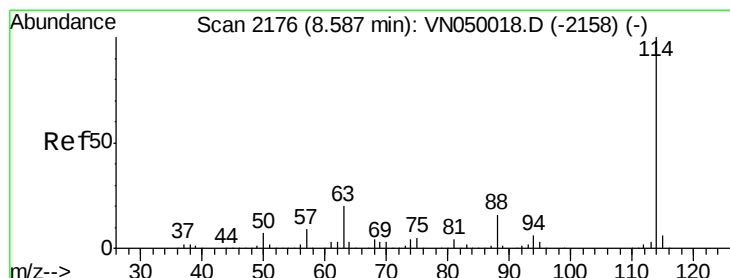
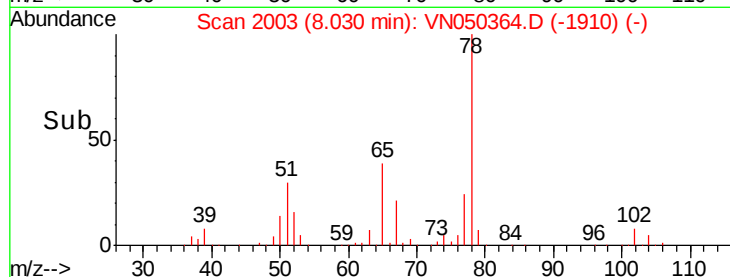
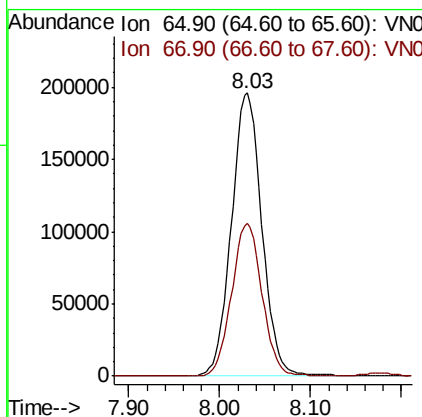
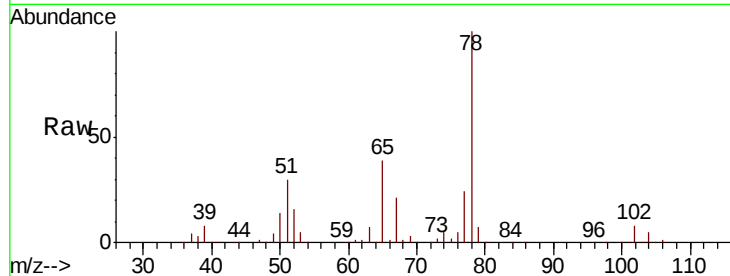
#33
 1,2-Dichloroethane-d4
 Concen: 49.89 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050364.D
 Acq: 4 Aug 2018 14:07

Instrument :
 MSVOA_N
 ClientSampled :
 MW-04

Tot Ion: 65 Resp: 455413
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 108.4

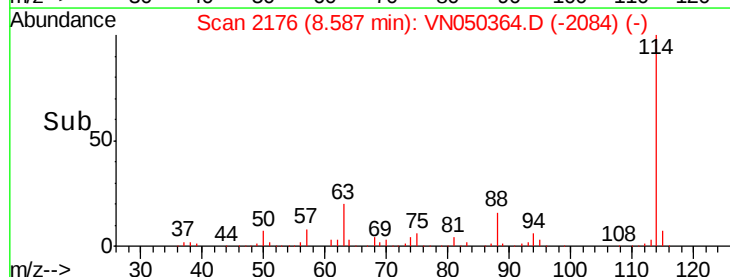
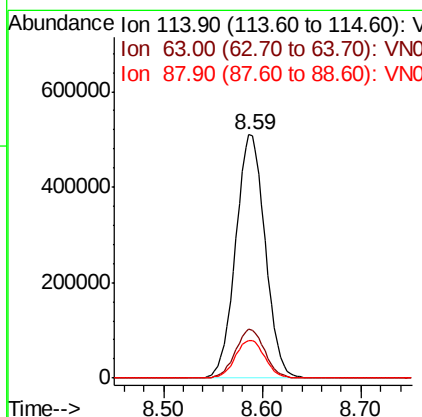
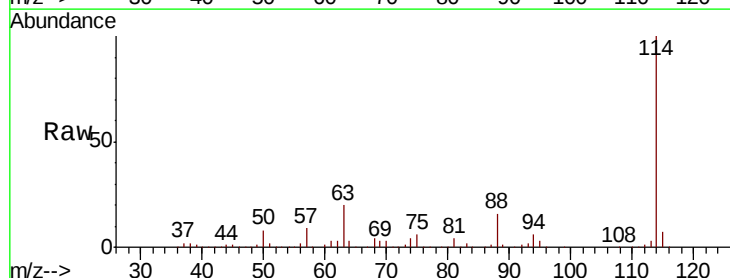
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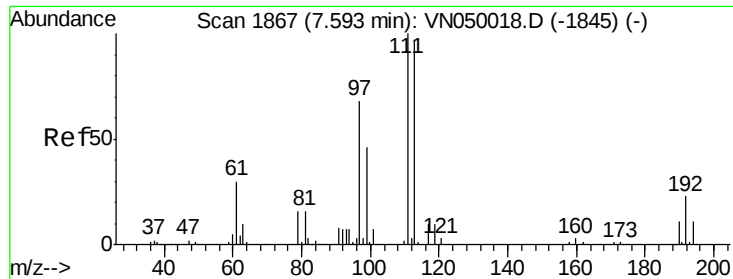
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 8/6/2018 11:40:04 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050364.D
 Acq: 4 Aug 2018 14:07

Tgt Ion: 114 Resp: 1054798
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 40.0
 88 15.5 0.0 31.2





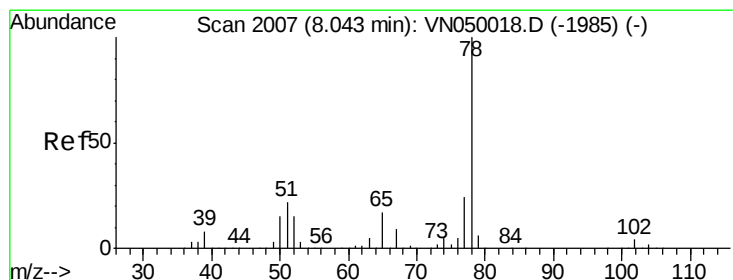
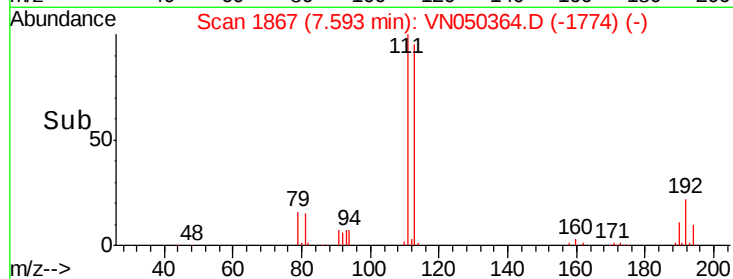
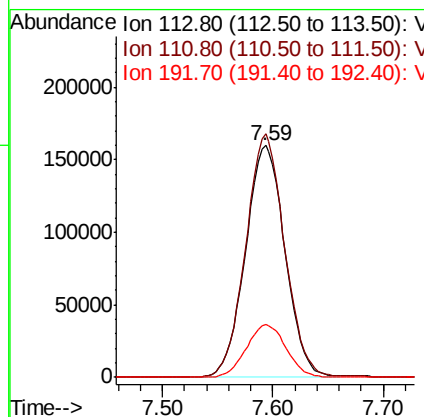
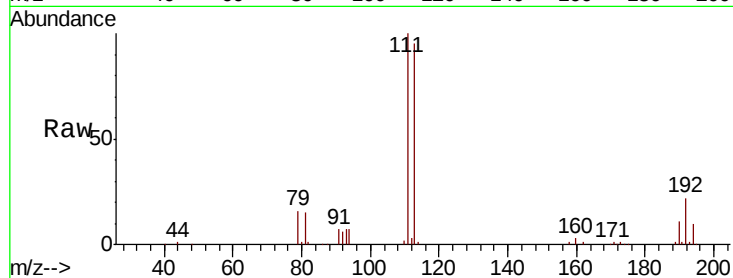
#35
Dibromofluoromethane
Concen: 46.15 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN050364.D
Acq: 4 Aug 2018 14:07

Instrument :
MSVOA_N
ClientSampleId :
MW-04

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	80.7	121.1
192	22.8	17.8	26.6

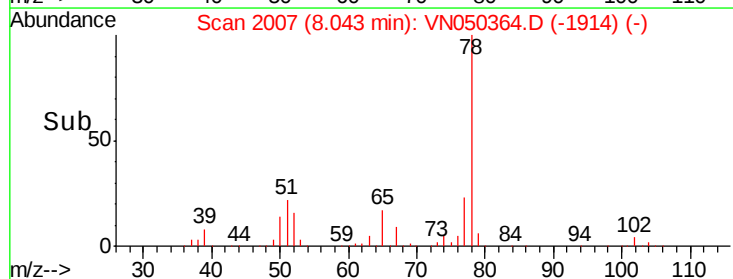
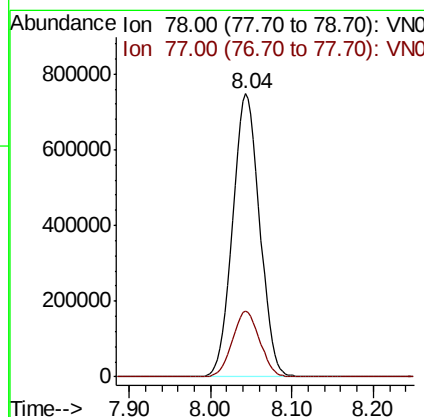
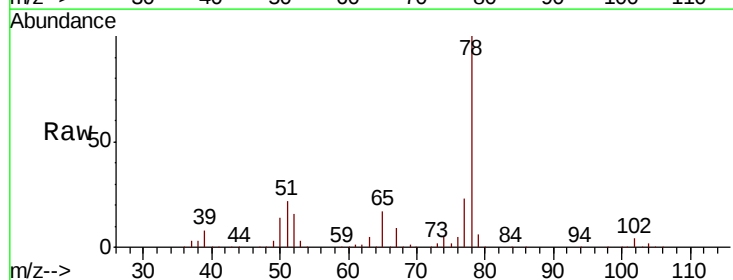
Manual Integrations
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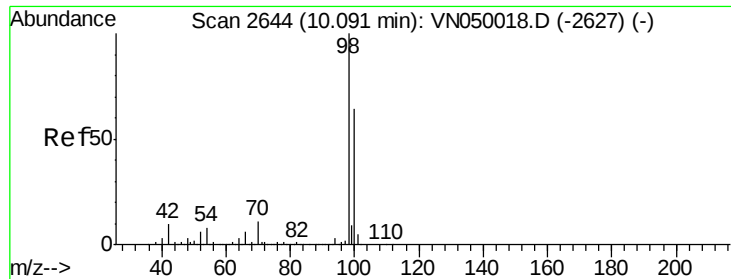
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#40
Benzene
Concen: 48.00 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050364.D
Acq: 4 Aug 2018 14:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.7	28.1





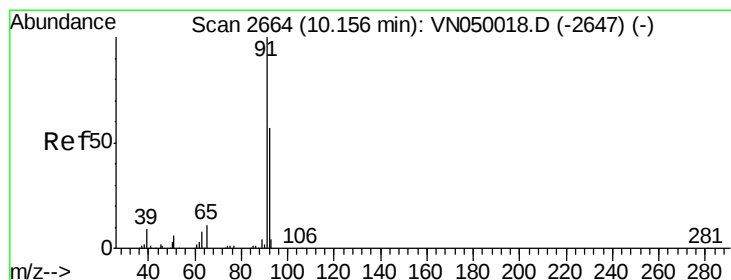
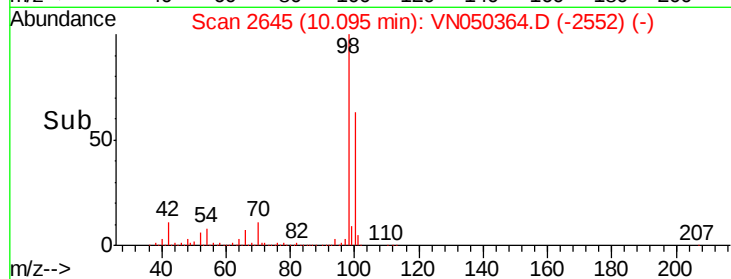
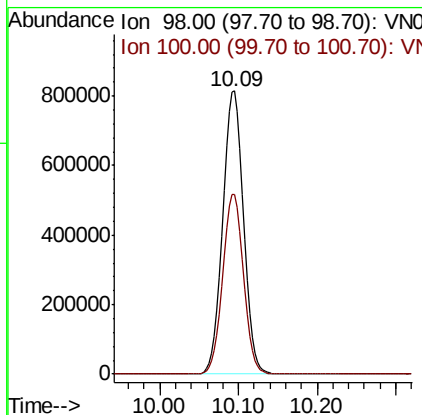
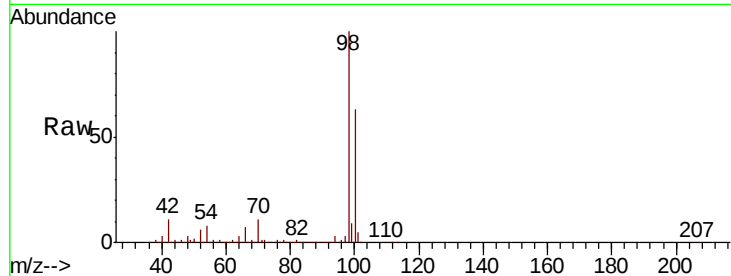
#50
Toluene-d8
Concen: 46.79 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN050364.D
Acq: 4 Aug 2018 14:07

Instrument :
MSVOA_N
ClientSampled :
MW-04

Tot Ion: 98 Resp: 1481495
Ion Ratio Lower Upper
98 100
100 63.4 50.7 76.1

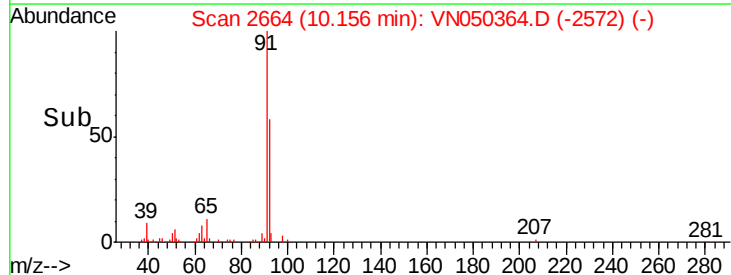
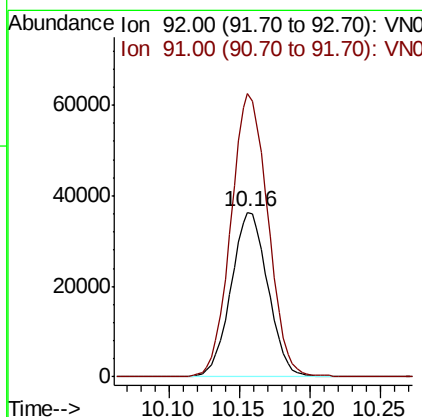
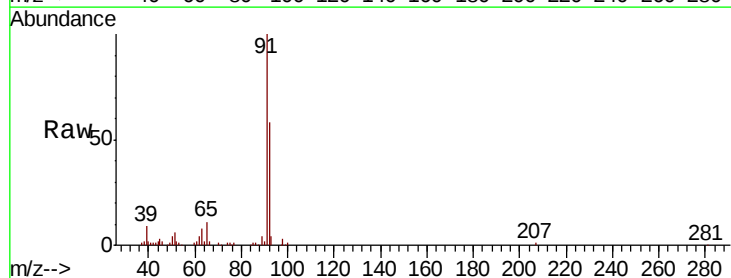
Manual Integrations
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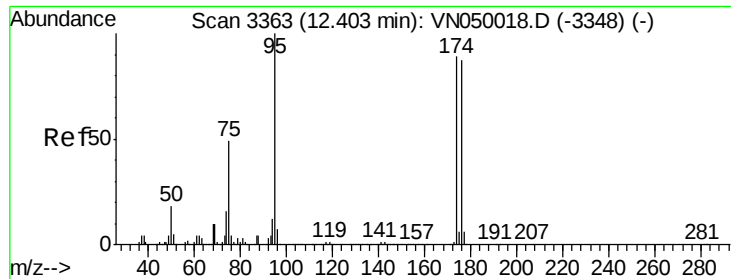
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#52
Toluene
Concen: 3.11 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN050364.D
Acq: 4 Aug 2018 14:07

Tgt Ion: 92 Resp: 66328
Ion Ratio Lower Upper
92 100
91 173.5 140.3 210.5





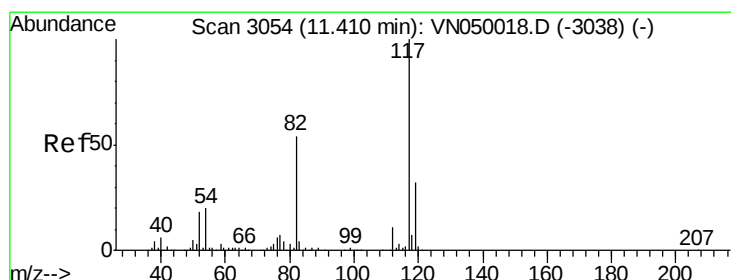
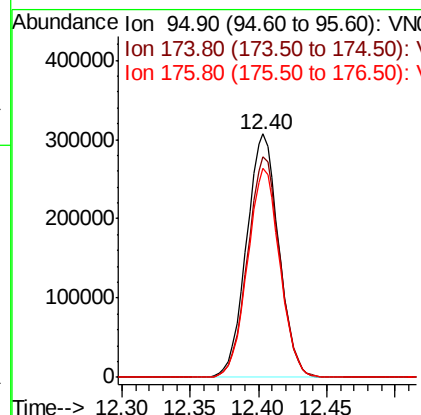
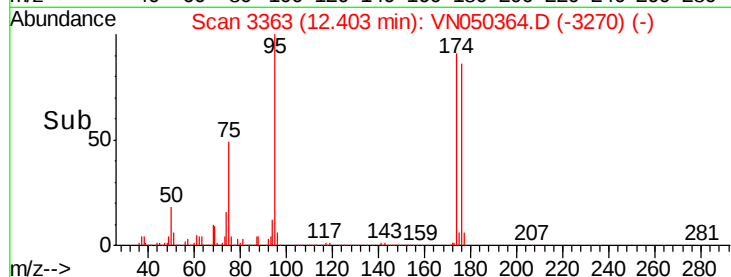
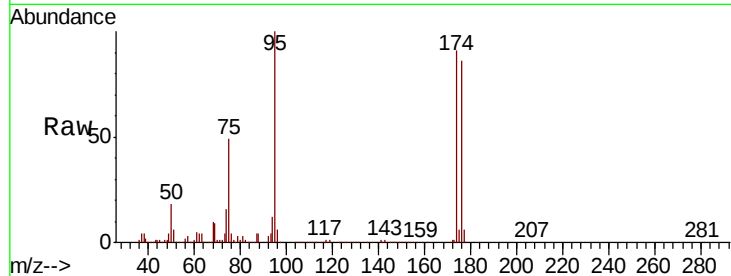
#62
4-Bromofluorobenzene
Concen: 48.21 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050364.D
Acq: 4 Aug 2018 14:07

Instrument :
MSVOA_N
ClientSampleId :
MW-04

Tot Ion	Ratio	Resp	Lower	Upper
95	100	502650		
174	90.8	0.0	178.2	
176	85.8	0.0	173.4	

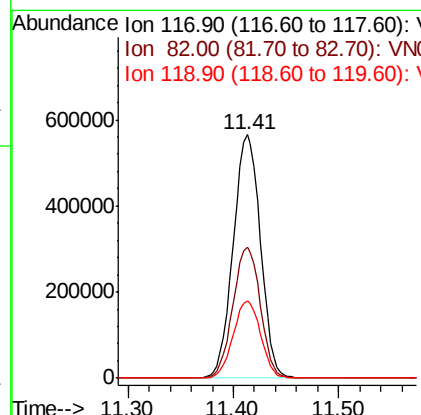
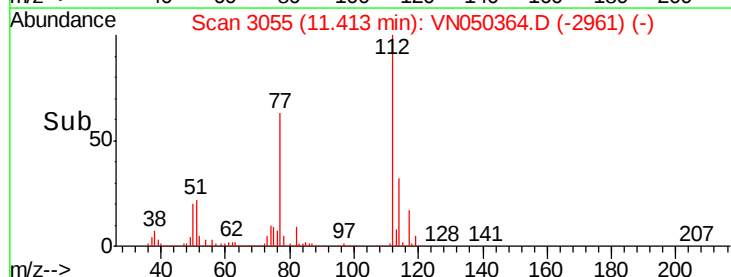
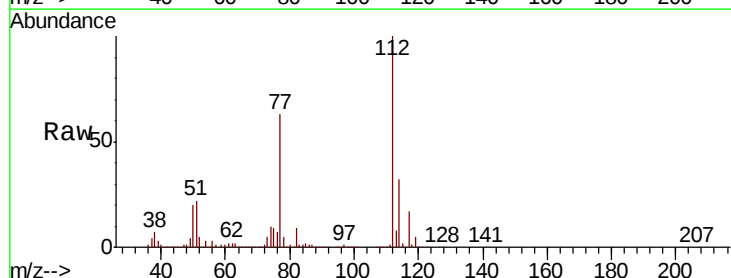
Manual Integrations
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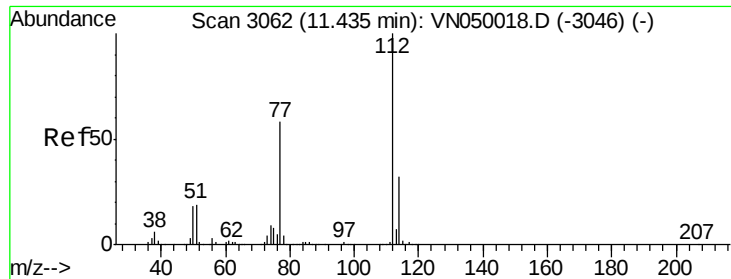
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8/6/2018 11:40:04 AM



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN050364.D
Acq: 4 Aug 2018 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	1009543		
82	53.8	43.7	65.5	
119	31.8	26.1	39.1	





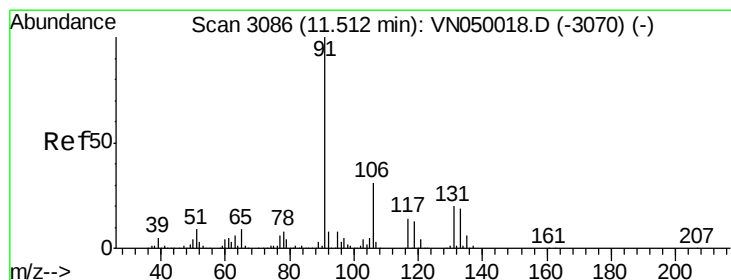
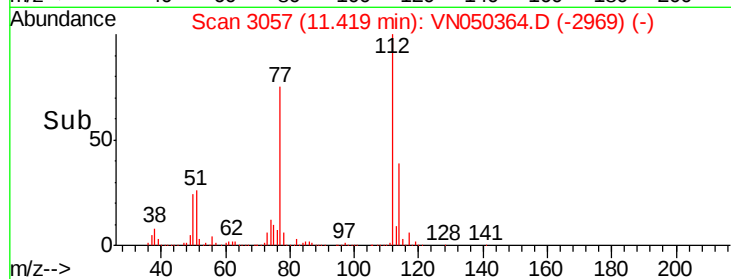
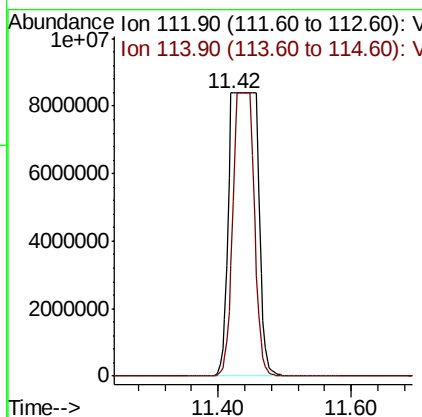
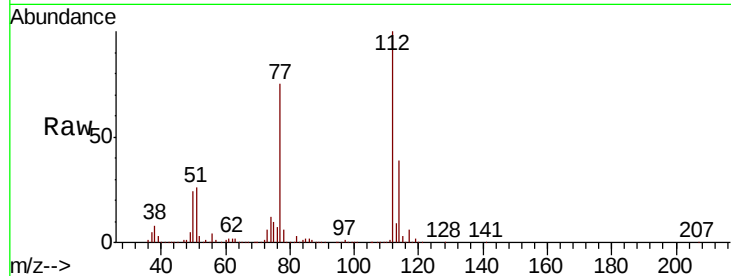
#65
Chlorobenzene
Concen: 1010.59 ug/l m
RT: 11.42 min Scan# 3057
Delta R.T. -0.02 min
Lab File: VN050364.D
Acq: 4 Aug 2018 14:07

Instrument :
MSVOA_N
ClientSampleId :
MW-04

Tot Ion:112 Resp:25771050
Ion Ratio Lower Upper
112 100
114 39.2 25.6 38.4#

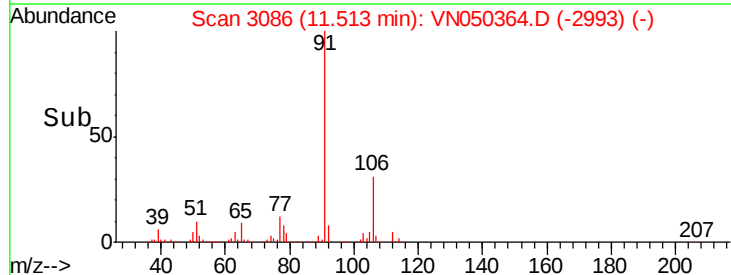
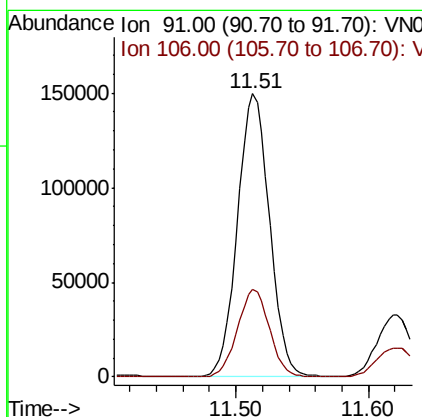
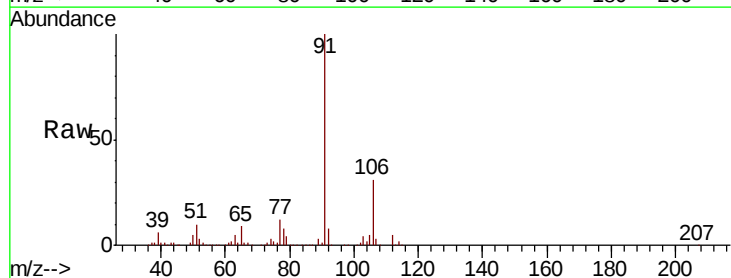
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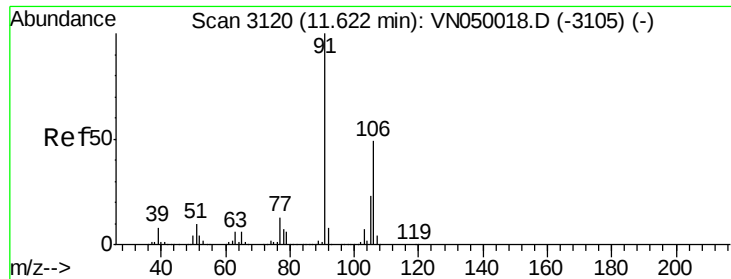
MMDadoda
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#67
Ethyl Benzene
Concen: 6.13 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050364.D
Acq: 4 Aug 2018 14:07

Tgt Ion: 91 Resp: 251183
Ion Ratio Lower Upper
91 100
106 31.0 25.0 37.4





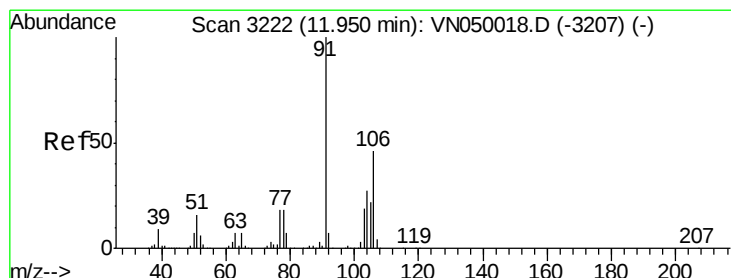
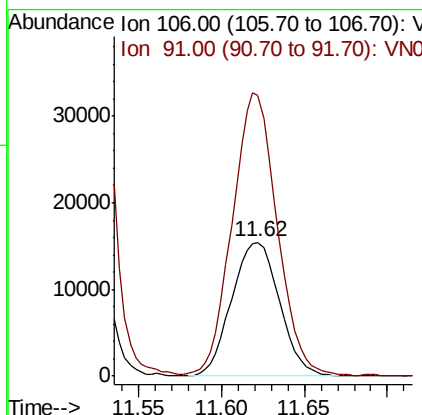
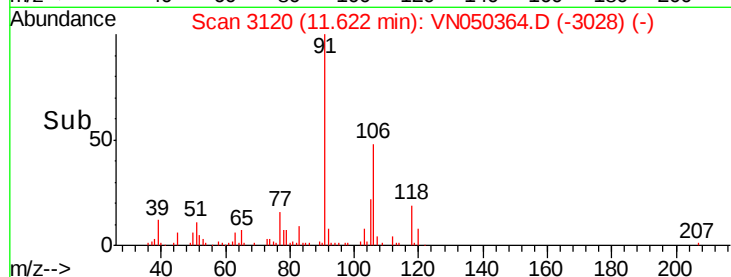
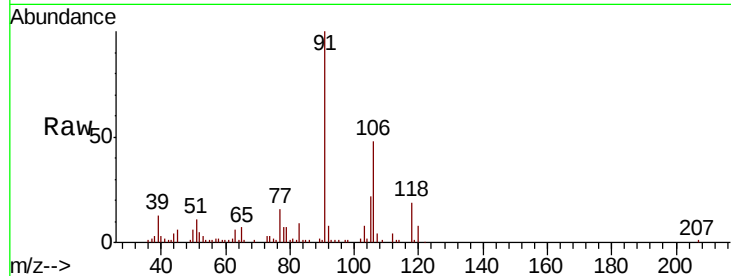
#68
m/p-Xylenes
Concen: 2.00 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN050364.D
Acq: 4 Aug 2018 14:07

Instrument :
MSVOA_N
ClientSampled :
MW-04

Tot Ion:106 Resp: 30959
Ion Ratio Lower Upper
106 100
91 199.2 162.2 243.2

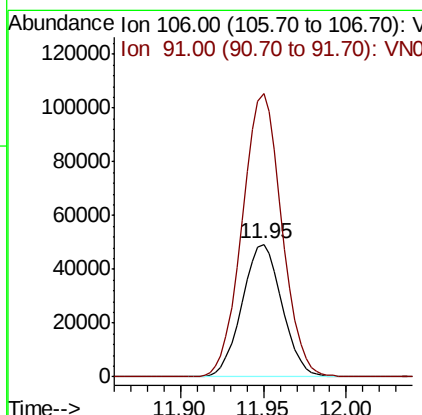
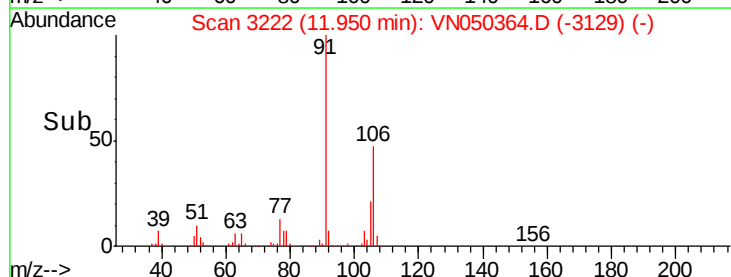
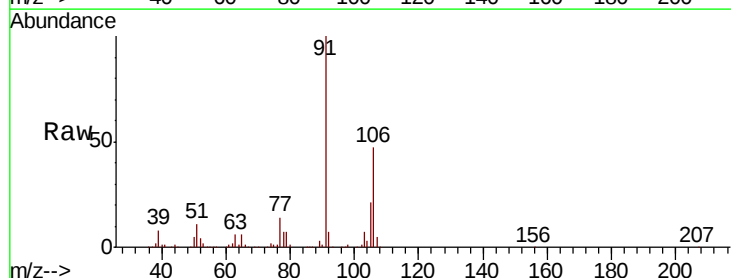
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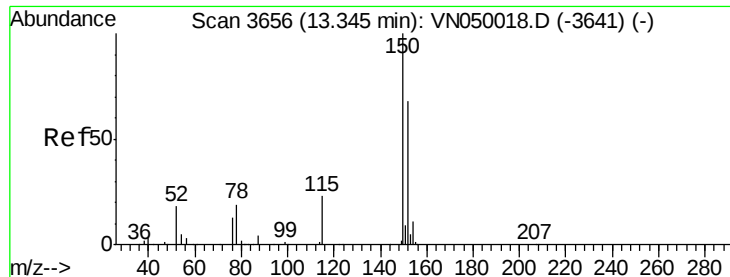
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#69
o-Xylene
Concen: 5.59 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050364.D
Acq: 4 Aug 2018 14:07

Tgt Ion:106 Resp: 82613
Ion Ratio Lower Upper
106 100
91 212.2 107.7 323.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050364.D

Acq: 4 Aug 2018 14:07

Instrument :

MSVOA_N

ClientSampled :

MW-04

Tot Ion:152 Resp: 484682

Ion Ratio Lower Upper

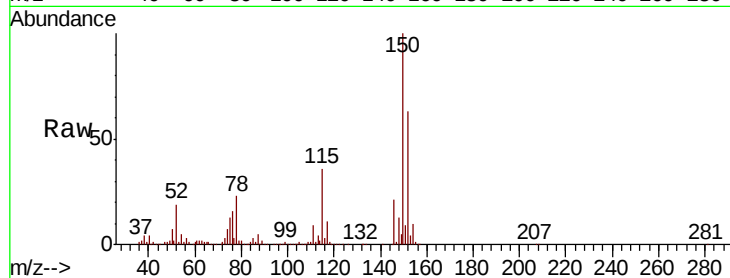
152 100

115 59.5 27.8 83.3

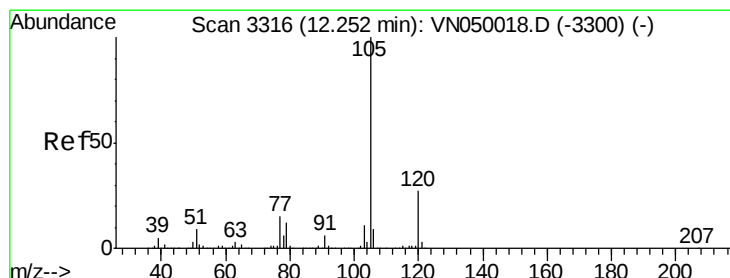
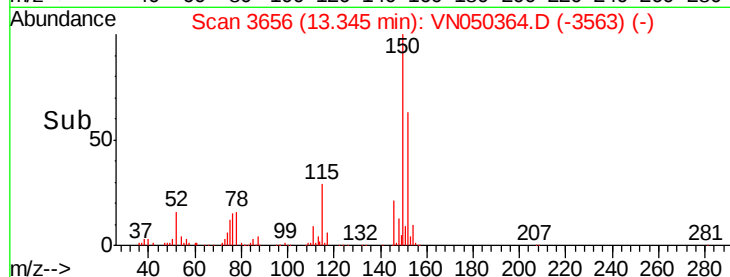
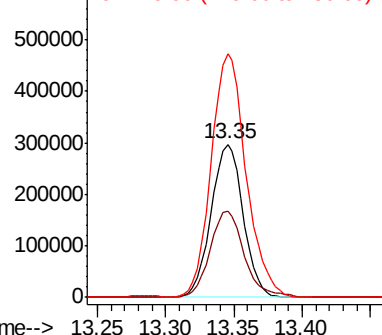
150 173.0 0.0 348.6

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Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 2.77 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050364.D

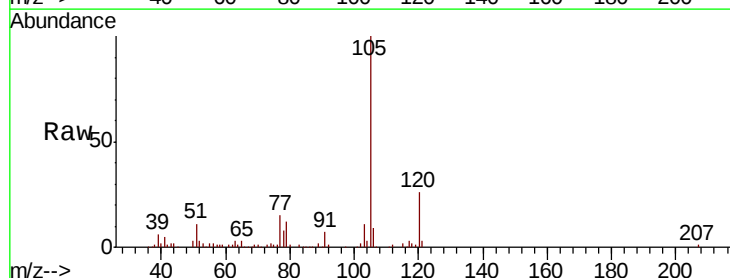
Acq: 4 Aug 2018 14:07

Tgt Ion:105 Resp: 104040

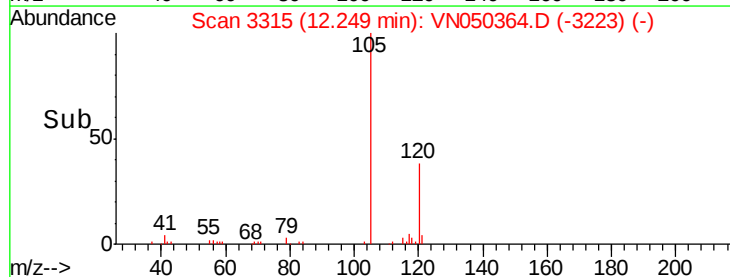
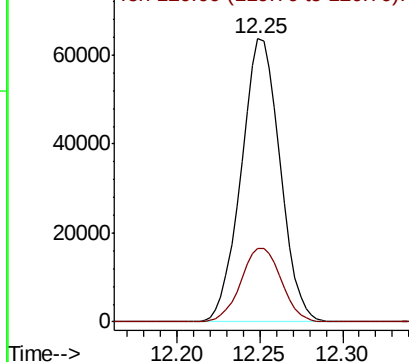
Ion Ratio Lower Upper

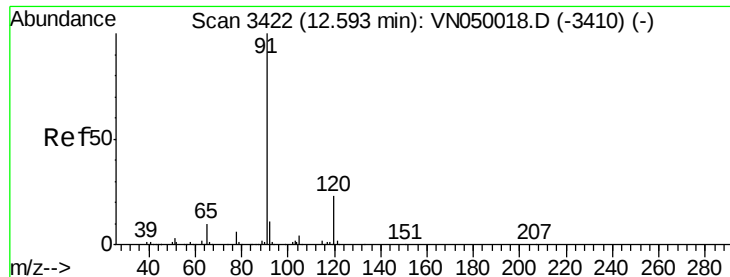
105 100

120 26.9 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





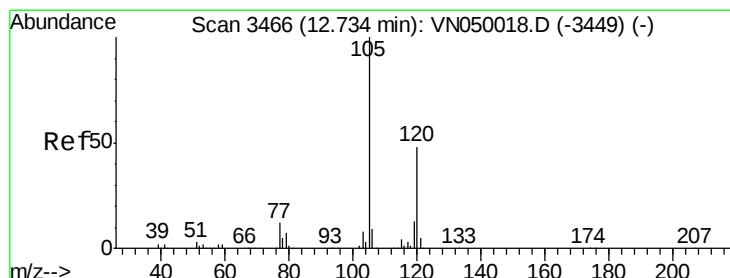
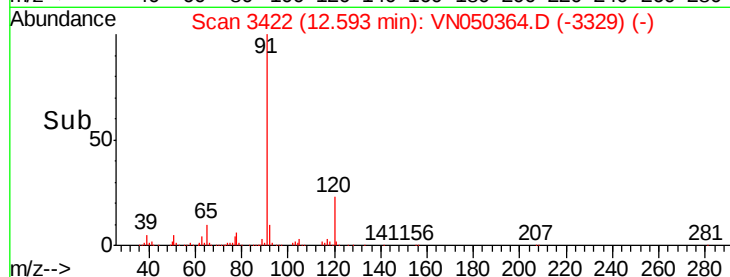
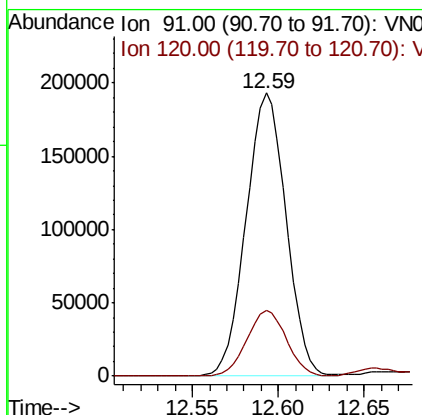
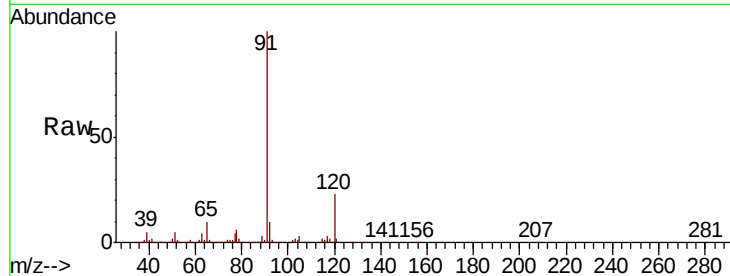
#78
n-propylbenzene
Concen: 7.43 ug/l
RT: 12.59 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN050364.D
Acq: 4 Aug 2018 14:07

Instrument :
MSVOA_N
ClientSampleId :
MW-04

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		312291		
120	23.0	11.6	34.7		

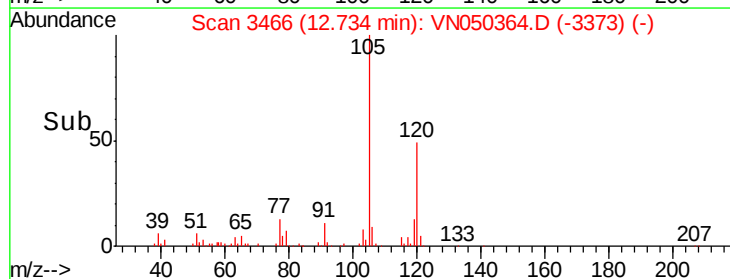
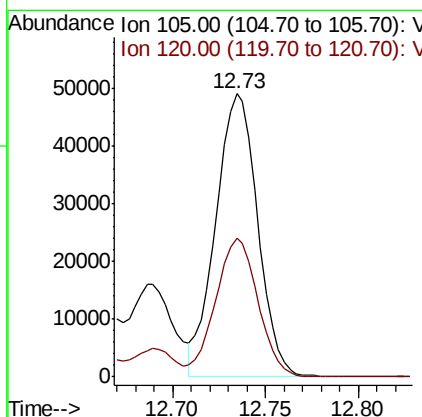
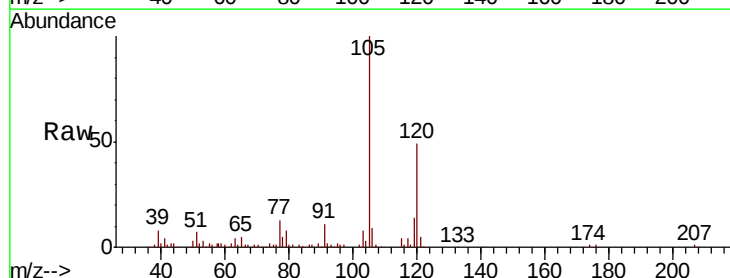
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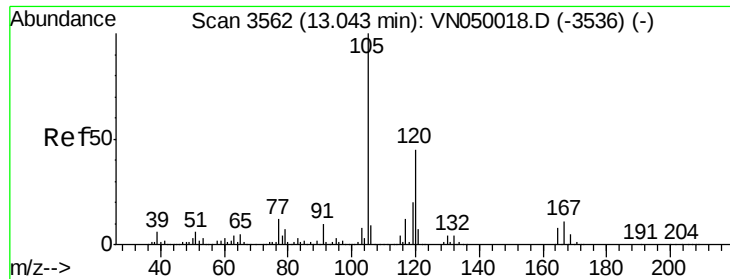
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#80
1,3,5-Trimethylbenzene
Concen: 2.60 ug/l
RT: 12.73 min Scan# 3466
Delta R.T. 0.00 min
Lab File: VN050364.D
Acq: 4 Aug 2018 14:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		76890		
120	49.6	24.4	73.2		





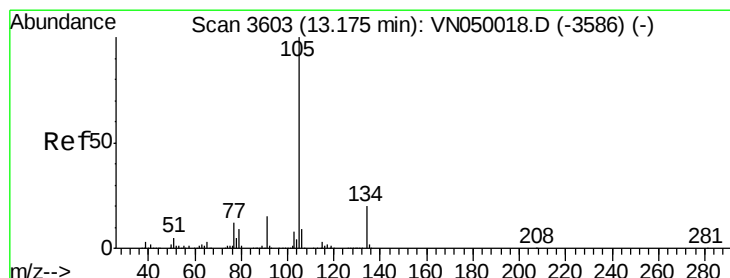
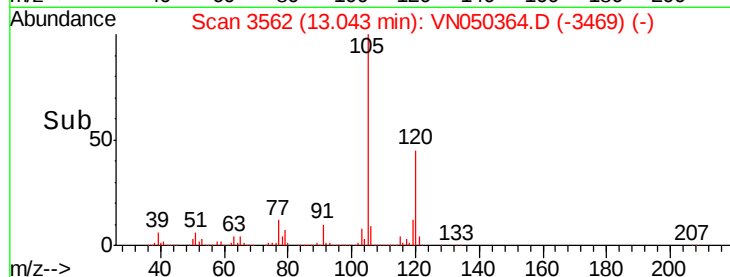
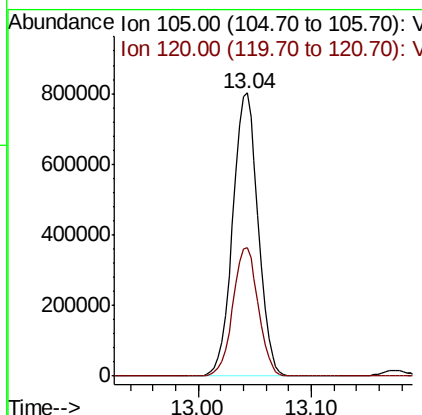
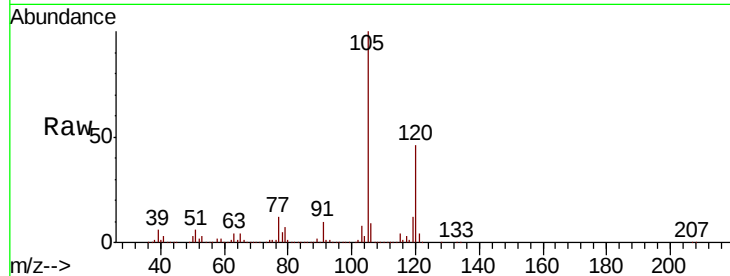
#84
 1,2,4-Trimethylbenzene
 Concen: 41.91 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN050364.D
 Acq: 4 Aug 2018 14:07

Instrument :
 MSVOA_N
 ClientSampled :
 MW-04

Tot Ion:105 Resp: 1248986
 Ion Ratio Lower Upper
 105 100
 120 45.5 22.9 68.7

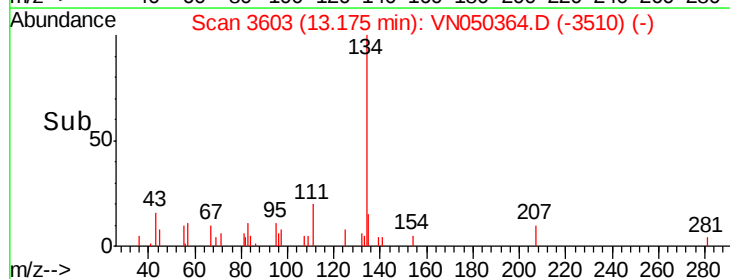
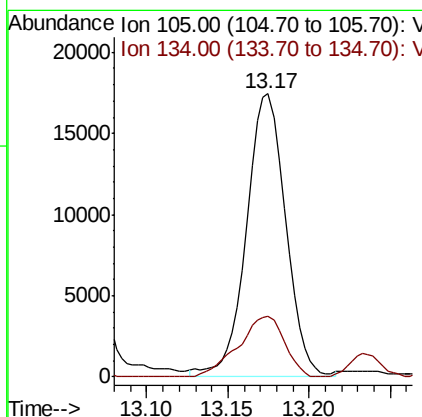
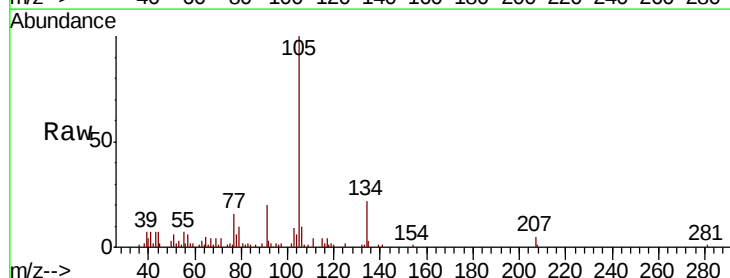
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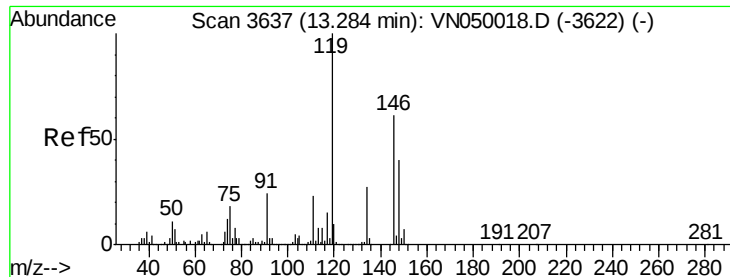
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#85
 sec-Butylbenzene
 Concen: 0.85 ug/l m
 RT: 13.17 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN050364.D
 Acq: 4 Aug 2018 14:07

Tgt Ion:105 Resp: 29261
 Ion Ratio Lower Upper
 105 100
 134 3.2 10.1 30.1#





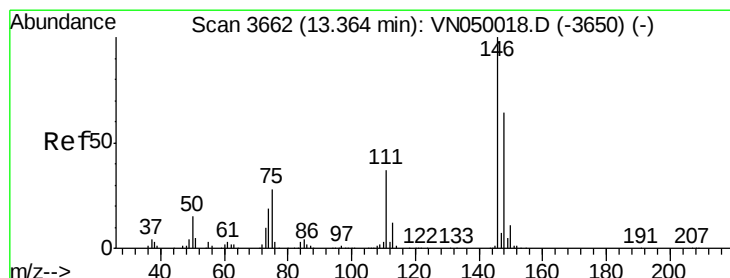
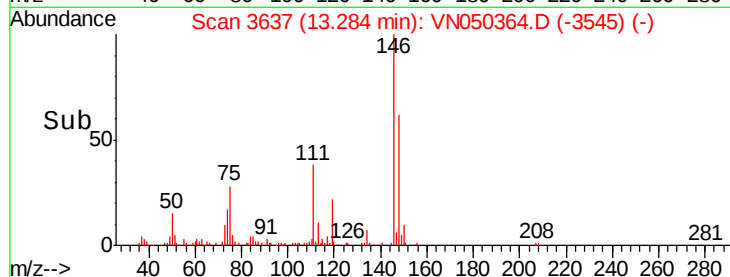
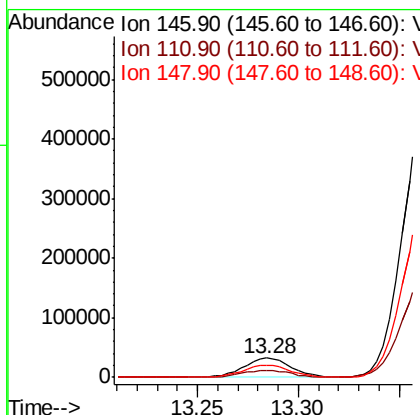
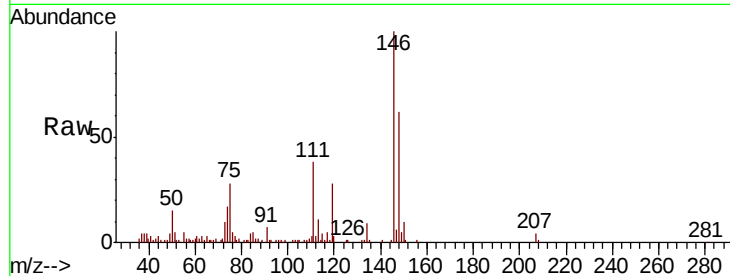
#87
 1,3-Dichlorobenzene
 Concen: 2.99 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050364.D
 Acq: 4 Aug 2018 14:07

Instrument :
 MSVOA_N
 ClientSampled :
 MW-04

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	18.8	56.4
148	63.8	31.9	95.9

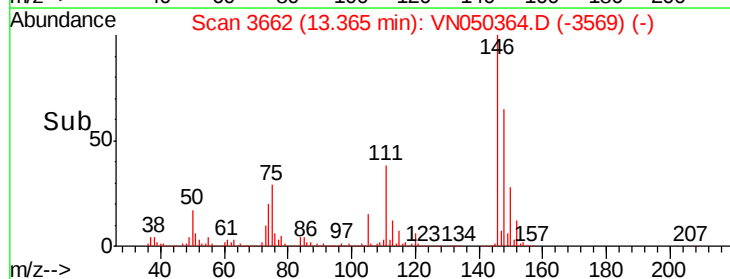
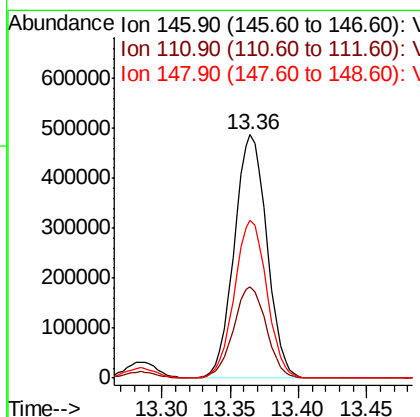
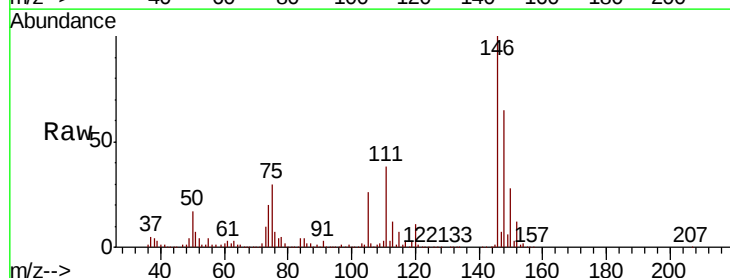
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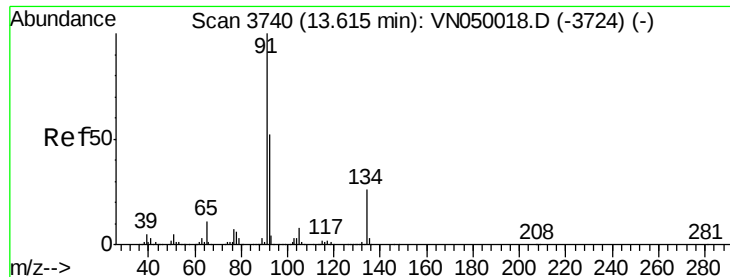
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#88
 1,4-Dichlorobenzene
 Concen: 46.96 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050364.D
 Acq: 4 Aug 2018 14:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.3	54.9
148	64.5	31.9	95.9





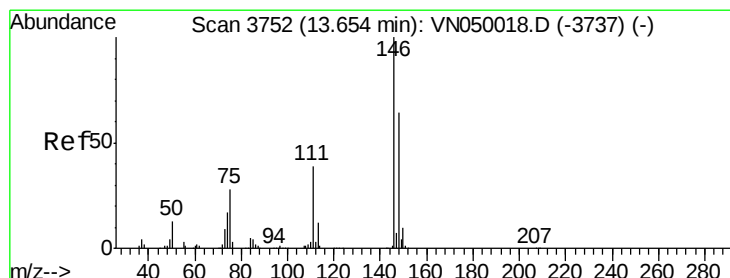
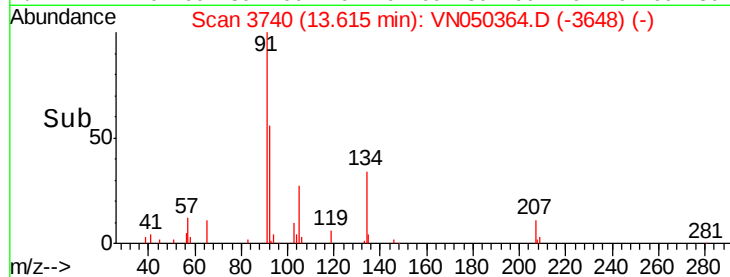
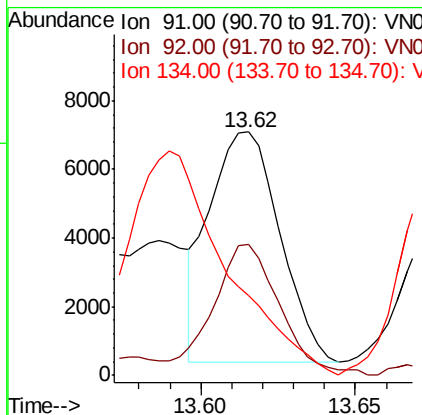
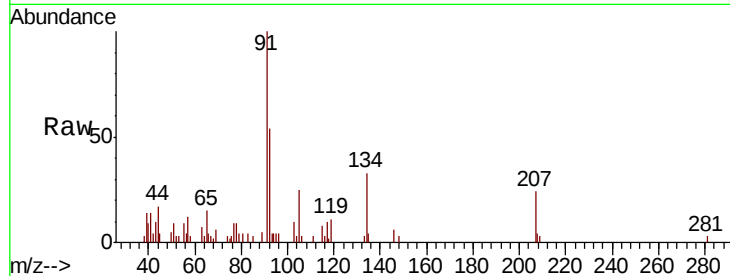
#89
n-Butylbenzene
Concen: 0.44 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050364.D
Acq: 4 Aug 2018 14:07

Instrument :
MSVOA_N
ClientSampled :
MW-04

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.1	25.8	77.4
134	0.0	12.8	38.4#

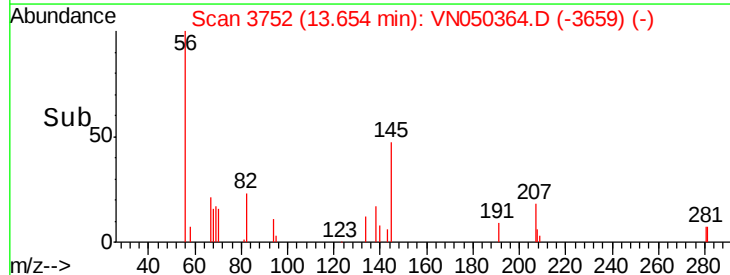
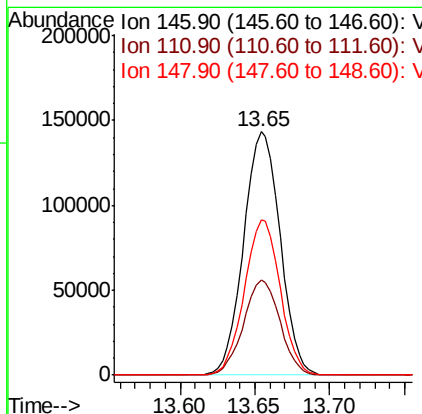
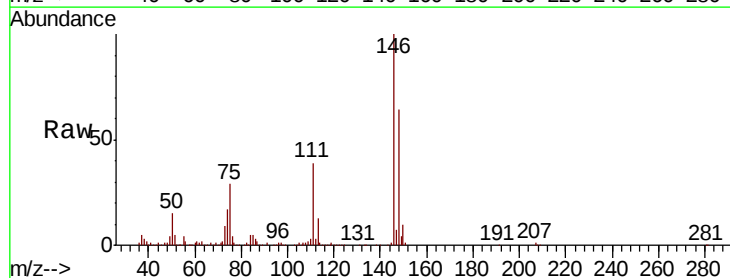
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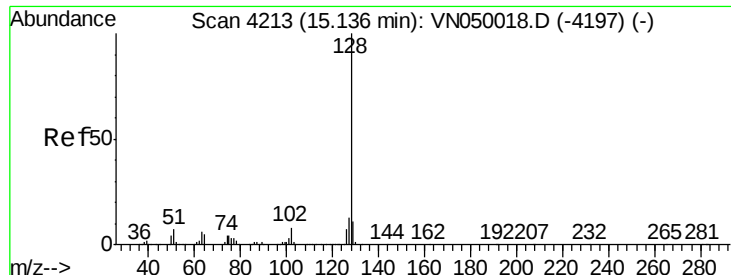
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#91
1,2-Dichlorobenzene
Concen: 13.80 ug/l
RT: 13.65 min Scan# 3752
Delta R.T. 0.00 min
Lab File: VN050364.D
Acq: 4 Aug 2018 14:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.6	58.7
148	62.6	32.1	96.3





#95
Naphthalene
Concen: 10.44 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN050364.D
Acq: 4 Aug 2018 14:07

Instrument :
MSVOA_N
ClientSampleId :
MW-04

Tot Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	13.5	10.4	15.6
129	11.4	8.8	13.2

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