

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100618\
 Data File : VN051708.D
 Acq On : 6 Oct 2018 00:28
 Operator : MD\SY
 Sample : J5084-04DL 100X
 Misc : 4.21g/5.00mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 38 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 B-7(6-6.5)DL

Manual Integrations
 APPROVED

MMDadoda
 10/8/2018 12:50:10 PM

Quant Time: Oct 06 03:33:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 05 02:22:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	688039	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	993882	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	867809	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	376879	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	408036	44.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.78%	
35) Dibromofluoromethane	7.59	113	374772	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	
50) Toluene-d8	10.09	98	1408922	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	
62) 4-Bromofluorobenzene	12.40	95	411855	40.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.18%	
Target Compounds						
					Qvalue	
39) Methylcyclohexane	9.08	83	8885	0.681	ug/l	94
52) Toluene	10.16	92	82602	4.033	ug/l	99
67) Ethyl Benzene	11.51	91	182543	4.914	ug/l	100
68) m/p-Xylenes	11.62	106	394367	26.532	ug/l	100
69) o-Xylene	11.95	106	172922	11.863	ug/l	98
73) Isopropylbenzene	12.25	105	40045	1.246	ug/l	100
78) n-propylbenzene	12.59	91	164175	4.685	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	322150	11.899	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1124929	41.481	ug/l	99
85) sec-Butylbenzene	13.17	105	28180m	0.878	ug/l	
86) p-Isopropyltoluene	13.29	119	16818	0.591	ug/l	98
95) Naphthalene	15.13	128	82329	6.296	ug/l	98

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

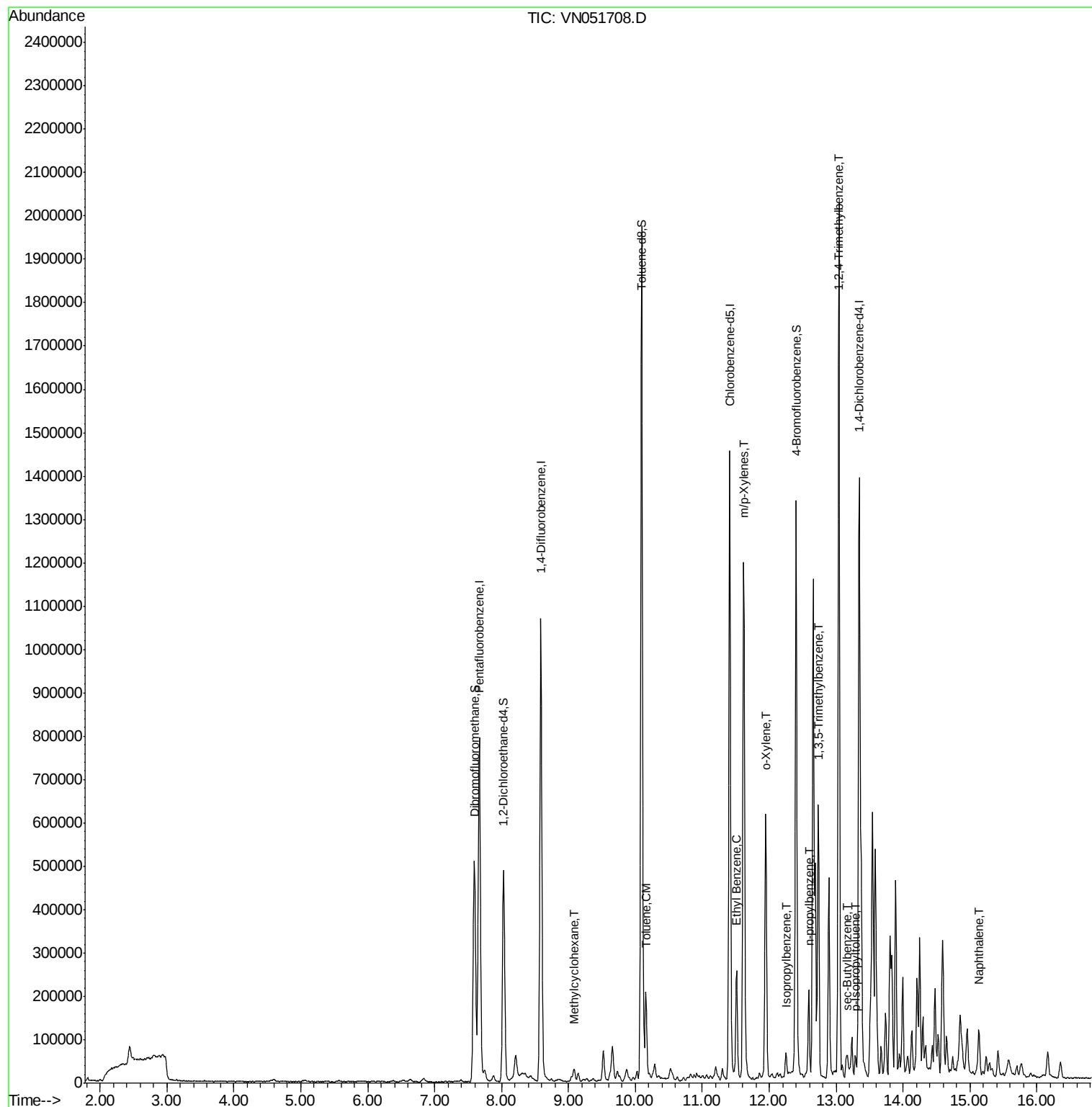
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100618\
Data File : VN051708.D
Acq On : 6 Oct 2018 00:28
Operator : MD\SY
Sample : J5084-04DL 100X
Misc : 4.21g/5.00mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 38 Sample Multiplier: 28

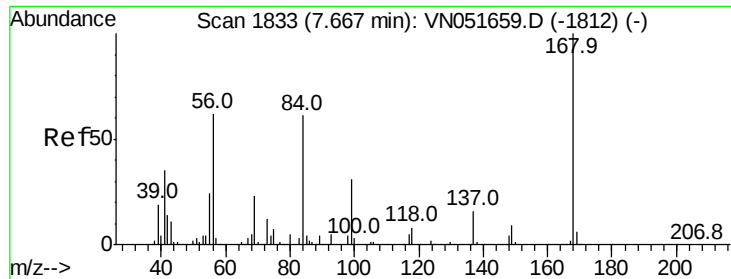
Instrument :
MSVOA_N
ClientSampleId :
B-7(6-6.5)DL

Manual Integrations
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10/8/2018 12:50:10 PM

Quant Time: Oct 06 03:33:11 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 05 02:22:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051708.D

Acq: 6 Oct 2018 00:28

Instrument :

MSVOA_N

ClientSampled :

B-7(6-6.5)DL

Tot Ion:168 Resp: 688039

Ion Ratio Lower Upper

168 100

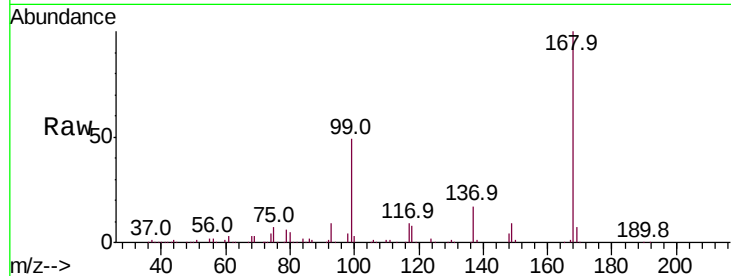
99 49.4 40.4 60.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VN051708.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN051708.D (-1740) (-)

7.67

300000

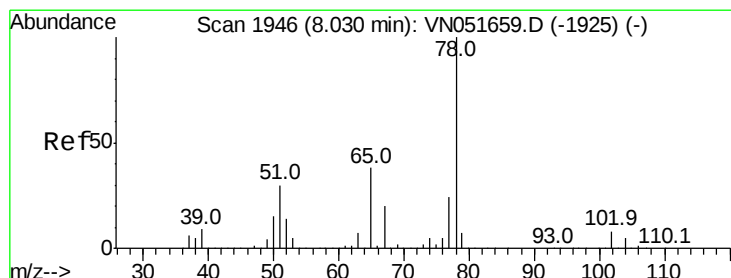
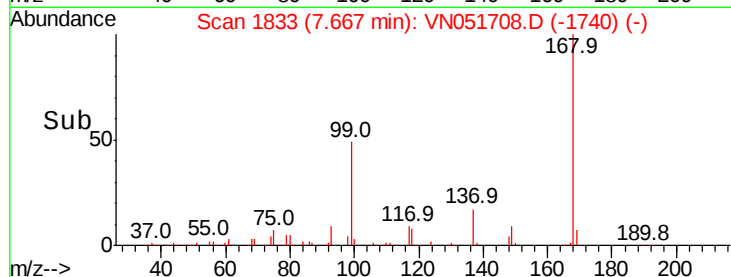
200000

100000

0

7.60 7.70 7.80

Time-->



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051708.D

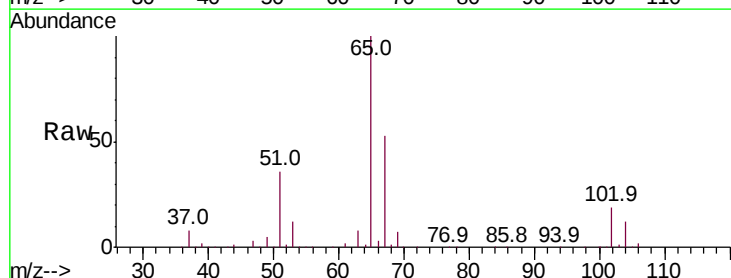
Acq: 6 Oct 2018 00:28

Tgt Ion: 65 Resp: 408036

Ion Ratio Lower Upper

65 100

67 51.4 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VN051708.D (-1853) (-)

Ion 66.90 (66.60 to 67.60): VN051708.D (-1853) (-)

8.03

200000

150000

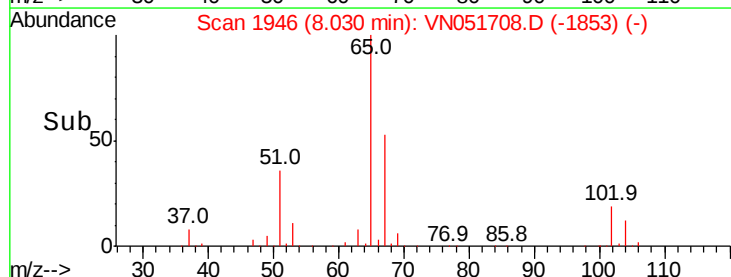
100000

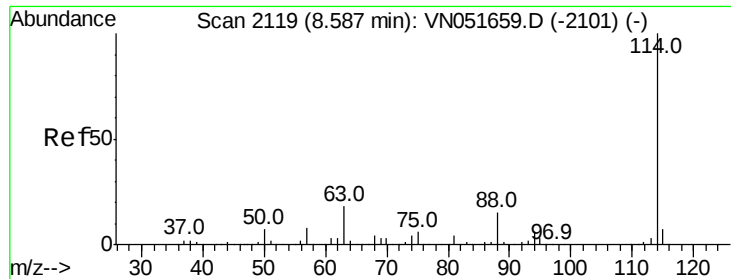
50000

0

7.95 8.00 8.05 8.10

Time-->





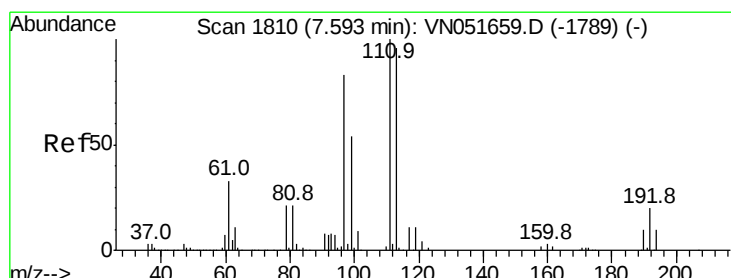
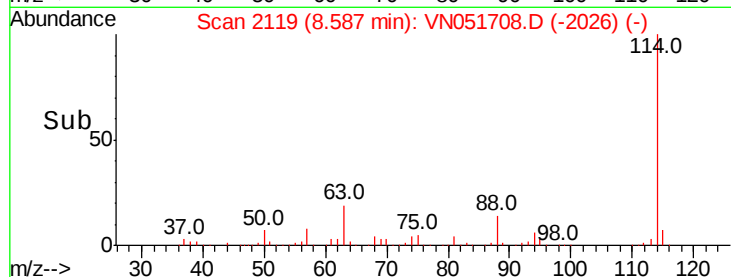
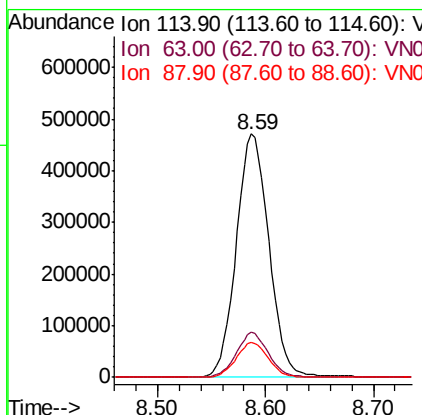
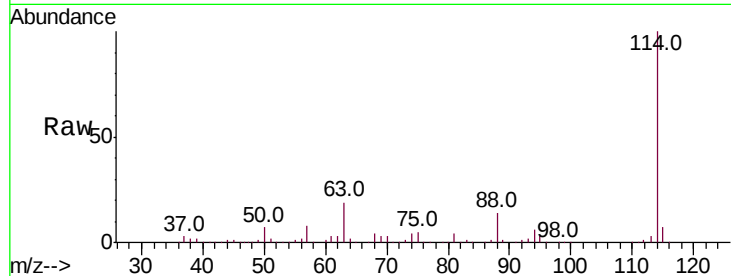
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051708.D
 Acq: 6 Oct 2018 00:28

Instrument :
 MSVOA_N
 ClientSampleId :
 B-7(6-6.5)DL

Tot Ion	Ratio	Resp	Lower	Upper
114	100	993882		
63	18.7		0.0	36.2
88	14.3		0.0	30.2

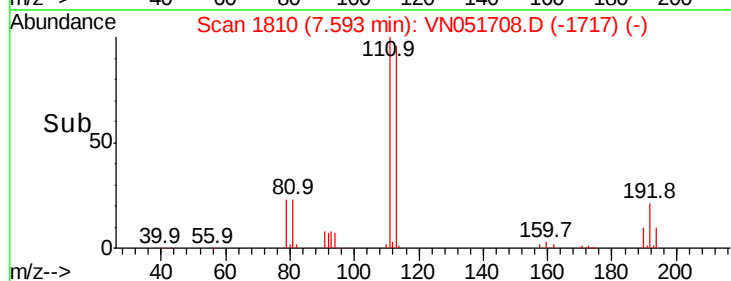
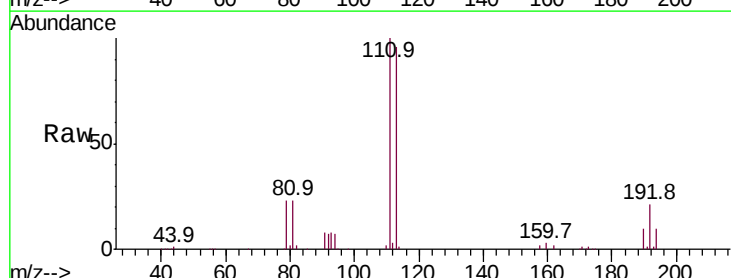
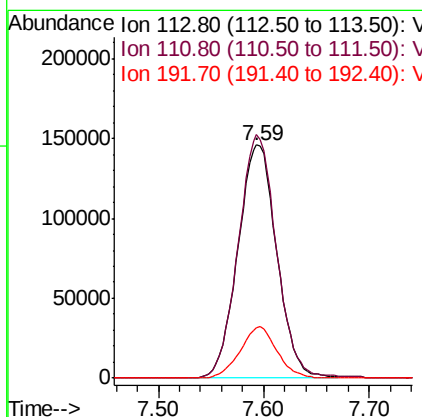
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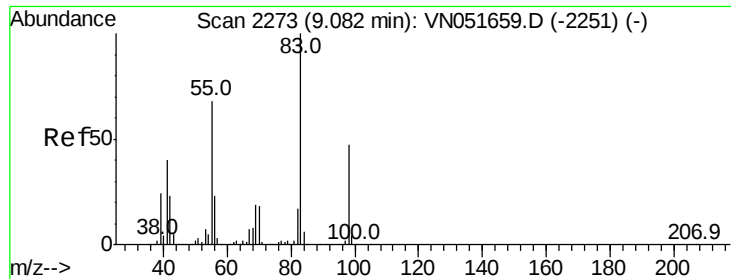
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#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051708.D
 Acq: 6 Oct 2018 00:28

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	374772		
111	102.7		81.8	122.8
192	20.8		16.5	24.7





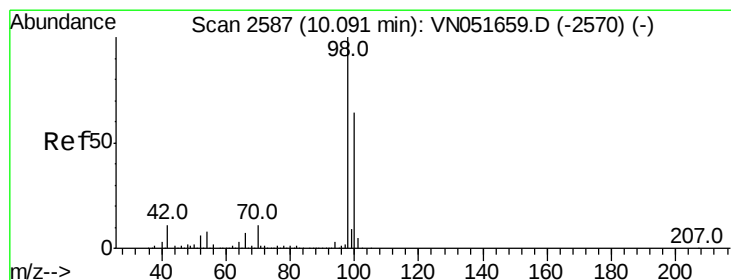
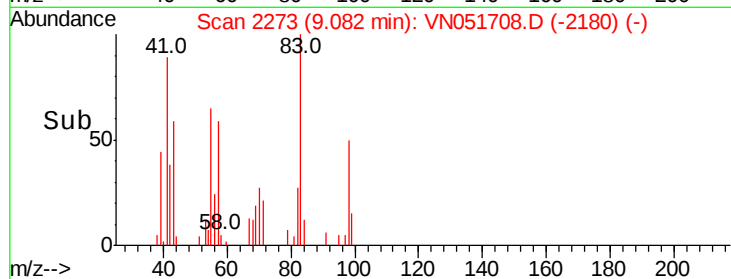
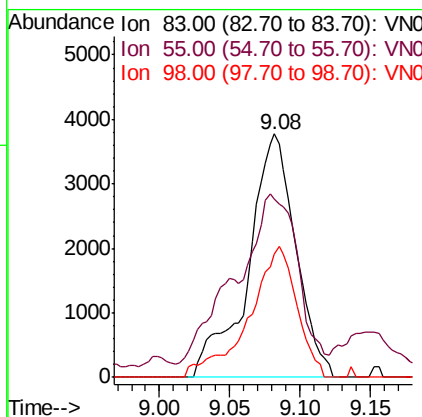
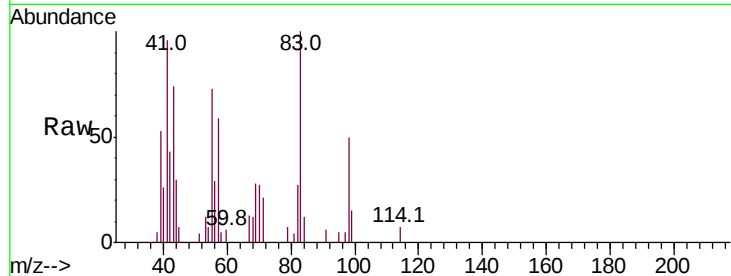
#39
Methvlcvclohexane
Concen: 0.681 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051708.D
Acq: 6 Oct 2018 00:28

Instrument :
MSVOA_N
ClientSampleId :
B-7(6-6.5)DL

Tot Ion	Ratio	Lower	Upper
83	100		
55	62.1	54.3	81.5
98	50.5	37.4	56.2

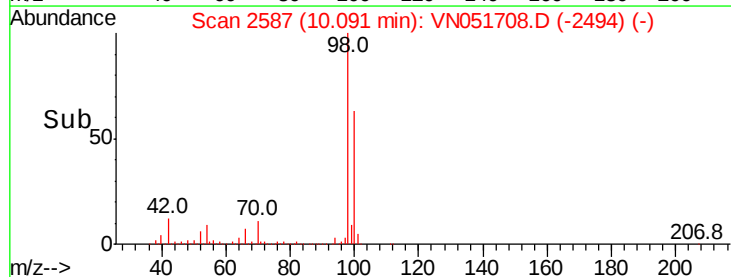
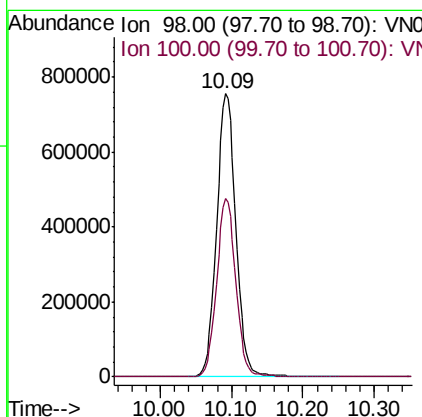
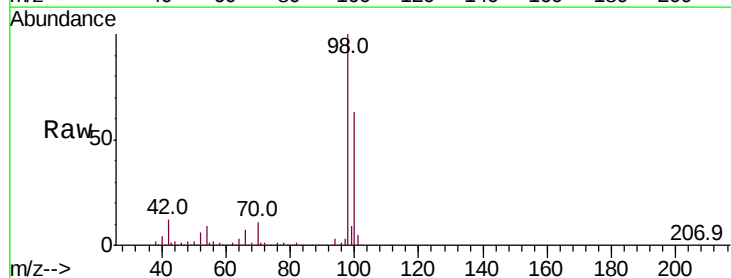
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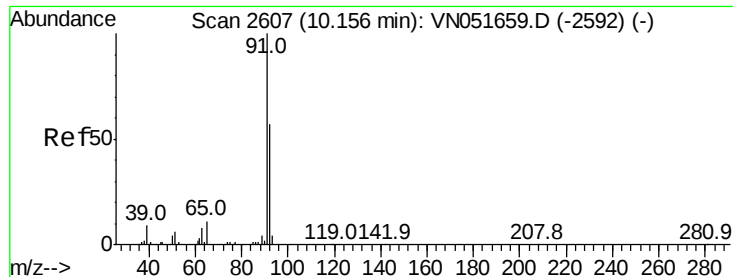
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#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051708.D
Acq: 6 Oct 2018 00:28

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.2	51.5	77.3





#52

Toluene

Concen: 4.033 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051708.D

Acq: 6 Oct 2018 00:28

Instrument :

MSVOA_N

ClientSampleId :

B-7(6-6.5)DL

Tot Ion: 92 Resp: 82602

Ion Ratio Lower Upper

92 100

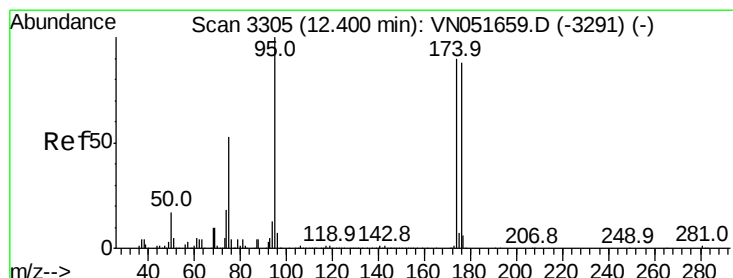
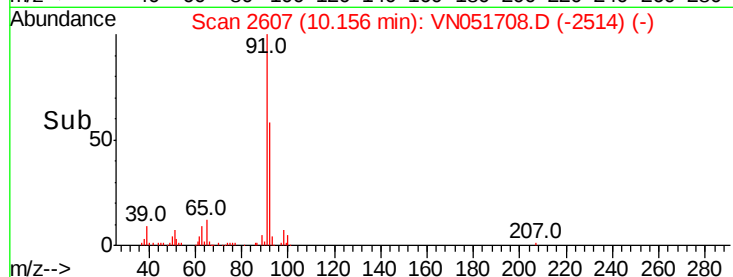
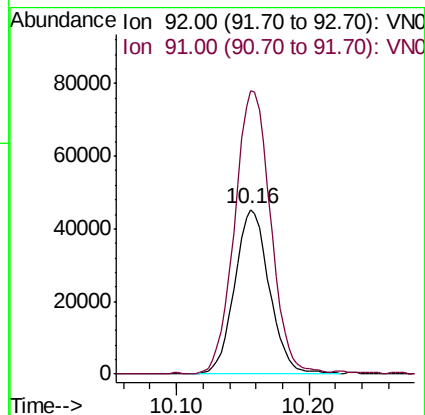
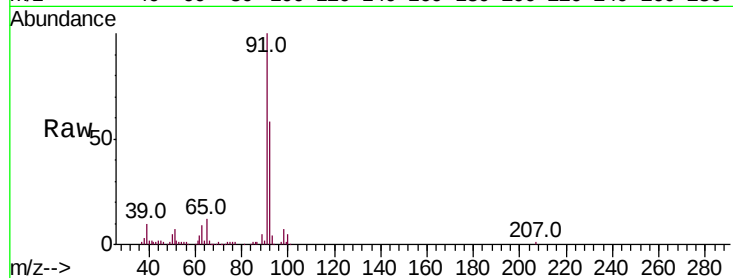
91 176.9 140.3 210.5

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN051708.D

Acq: 6 Oct 2018 00:28

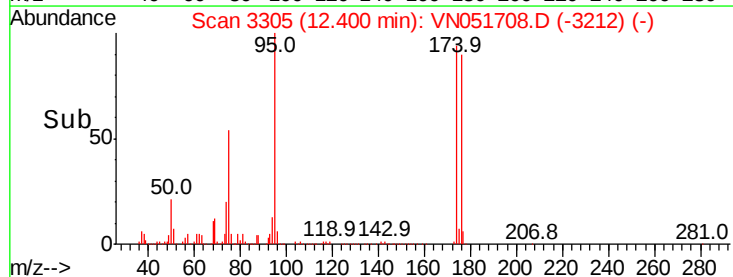
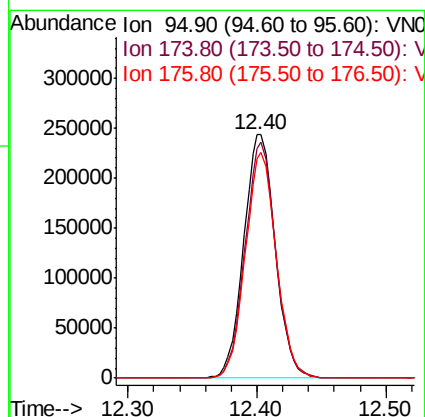
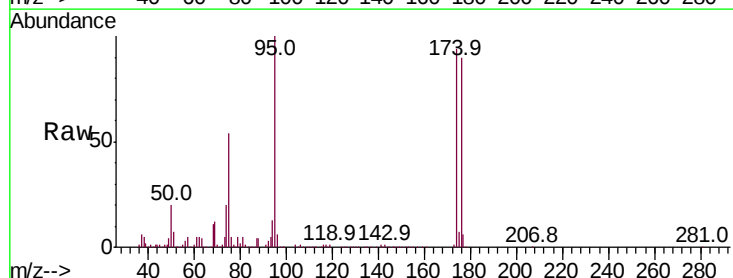
Tgt Ion: 95 Resp: 411855

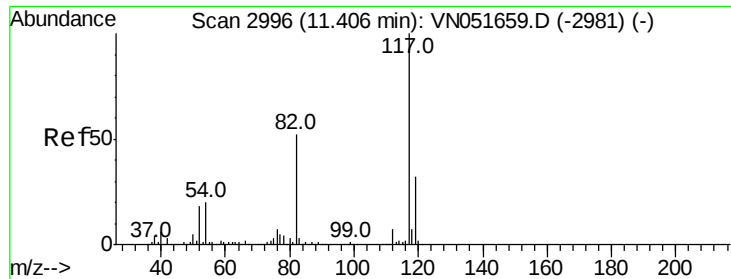
Ion Ratio Lower Upper

95 100

174 94.7 0.0 182.8

176 91.4 0.0 176.4





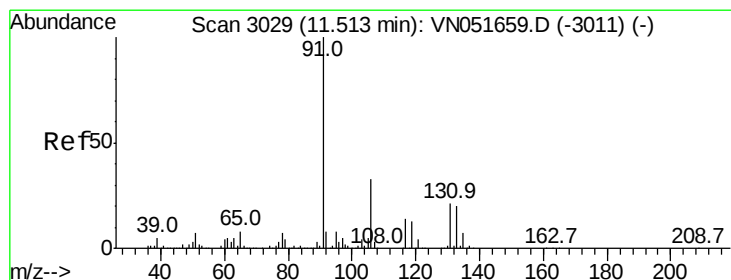
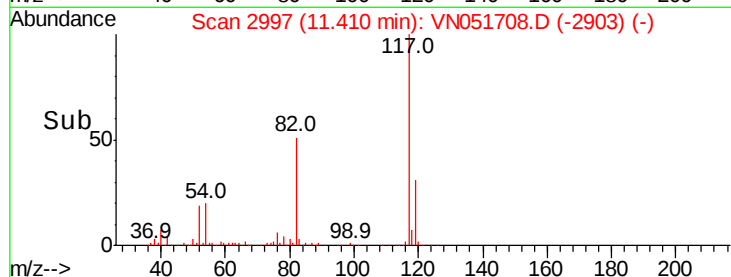
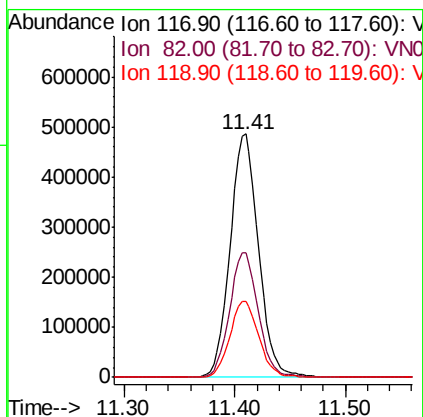
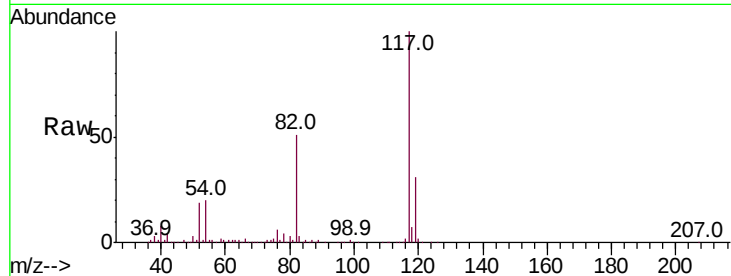
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051708.D
Acq: 6 Oct 2018 00:28

Instrument :
MSVOA_N
ClientSampled :
B-7(6-6.5)DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.0	41.3	61.9
119	31.3	25.9	38.9

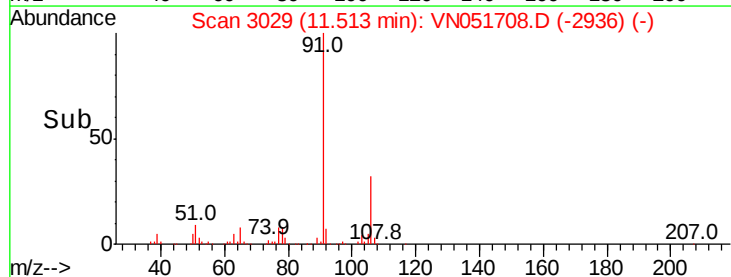
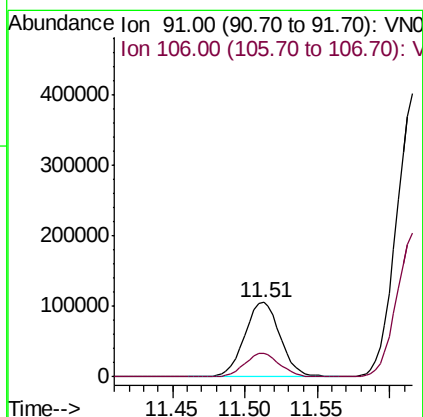
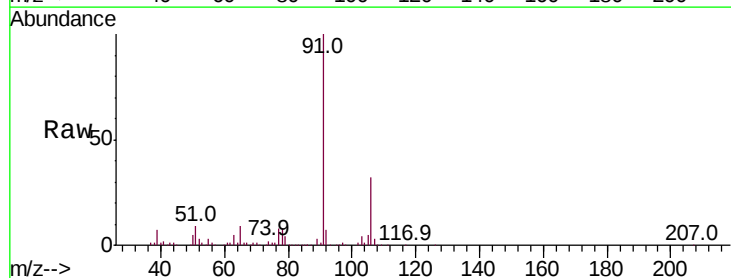
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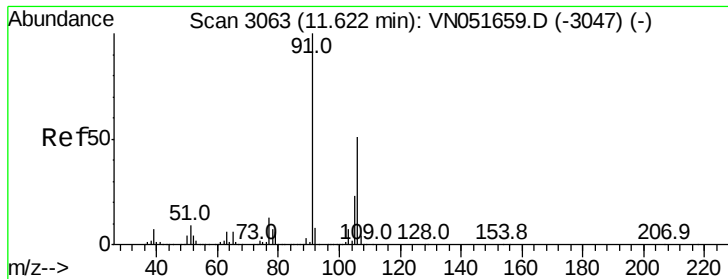
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#67
Ethyl Benzene
Concen: 4.914 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN051708.D
Acq: 6 Oct 2018 00:28

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.3	26.0	39.0





#68

m/p-Xylenes

Concen: 26.532 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN051708.D

Acq: 6 Oct 2018 00:28

Instrument :

MSVOA_N

ClientSampleId :

B-7(6-6.5)DL

Tot Ion:106 Resp: 394367

Ion Ratio Lower Upper

106 100

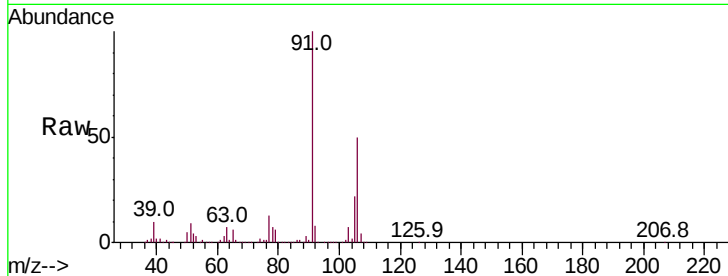
91 198.4 158.4 237.6

Manual Integrations

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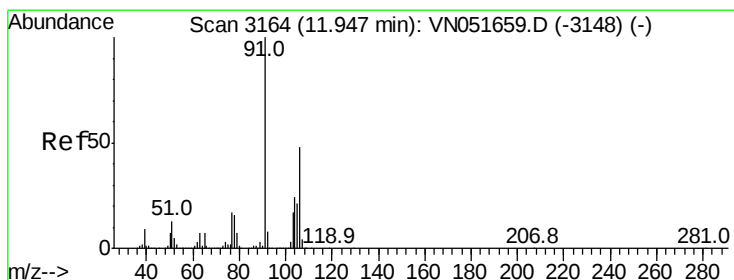
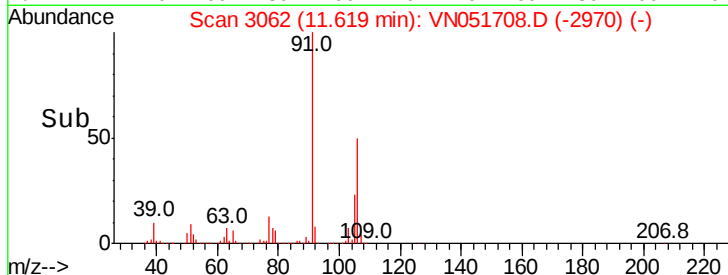
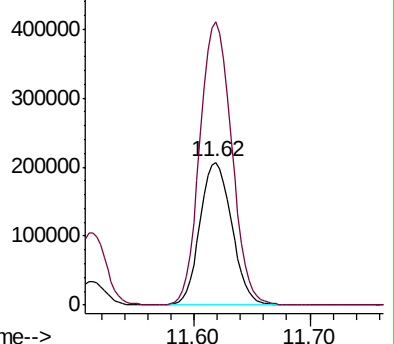
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#69

o-Xylene

Concen: 11.863 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN051708.D

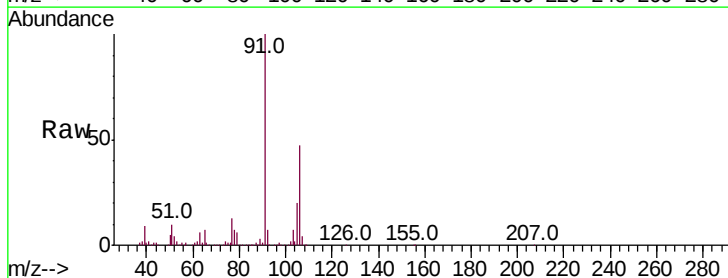
Acq: 6 Oct 2018 00:28

Tgt Ion:106 Resp: 172922

Ion Ratio Lower Upper

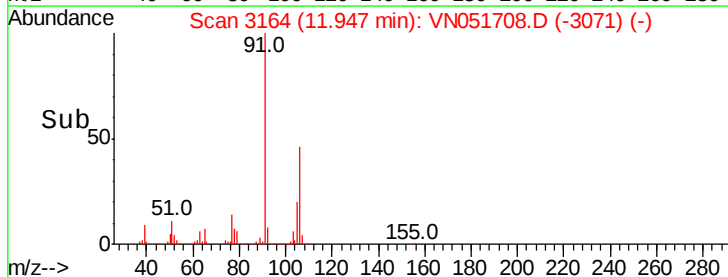
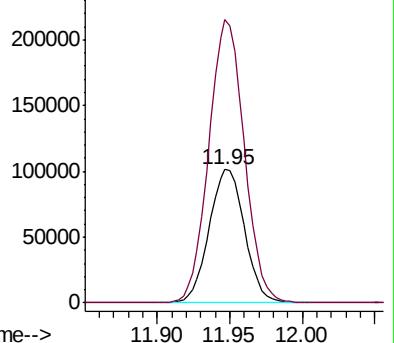
106 100

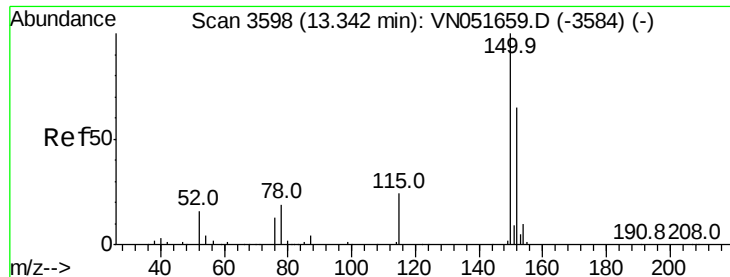
91 212.3 104.4 313.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051708.D

Acq: 6 Oct 2018 00:28

Instrument :

MSVOA_N

ClientSampleId :

B-7(6-6.5)DL

Tot Ion:152 Resp: 376879

Ion Ratio Lower Upper

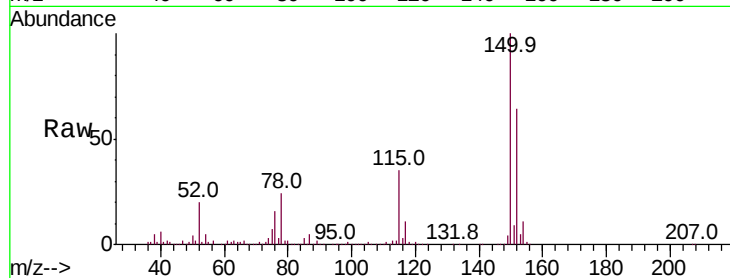
152 100

115 56.8 28.6 85.8

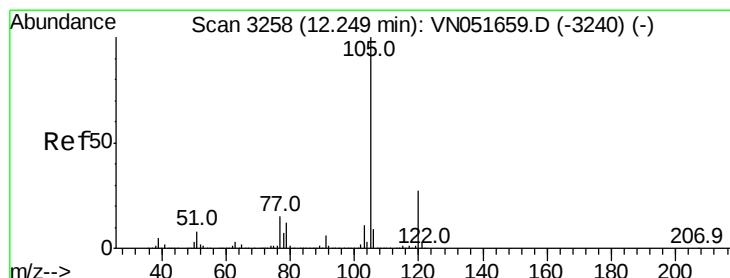
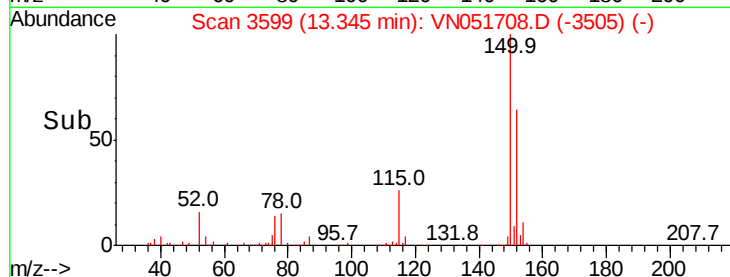
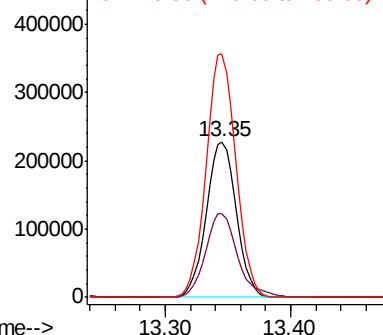
150 155.9 0.0 352.4

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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: 1.246 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051708.D

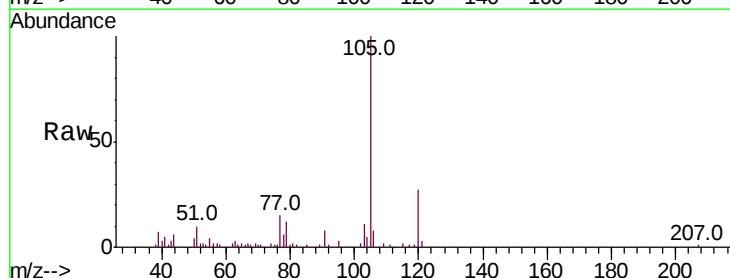
Acq: 6 Oct 2018 00:28

Tgt Ion:105 Resp: 40045

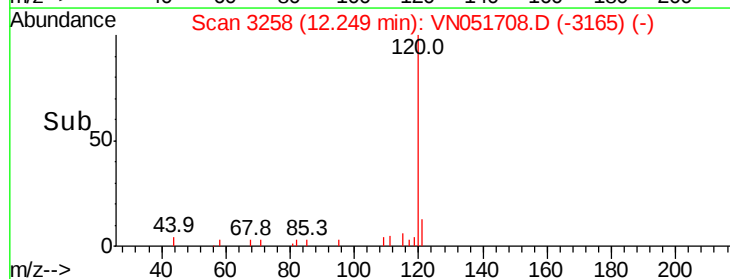
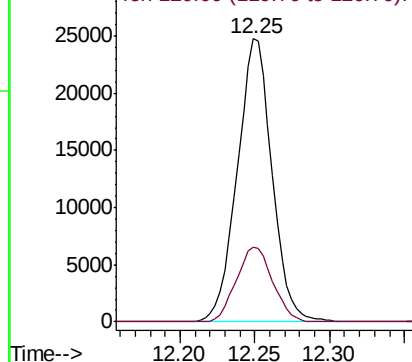
Ion Ratio Lower Upper

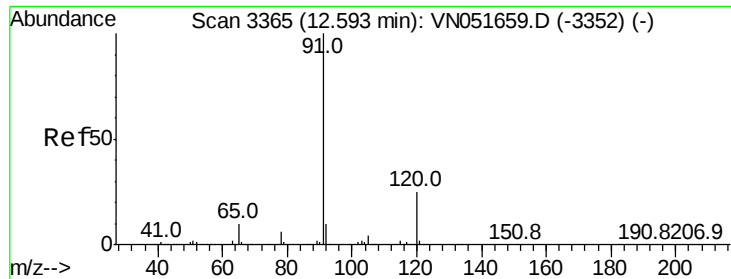
105 100

120 27.6 13.9 41.6



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





#78

n-propylbenzene

Concen: 4.685 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051708.D

Acq: 6 Oct 2018 00:28

Instrument :

MSVOA_N

ClientSampleId :

B-7(6-6.5)DL

Tot Ion: 91 Resp: 164175

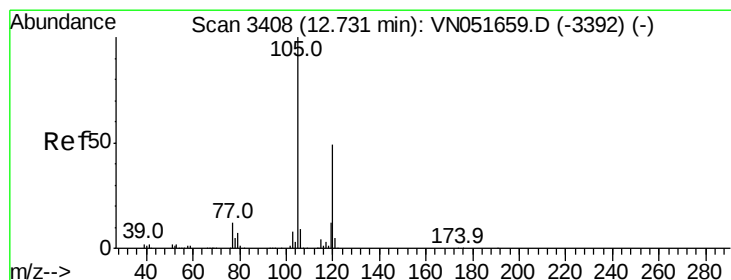
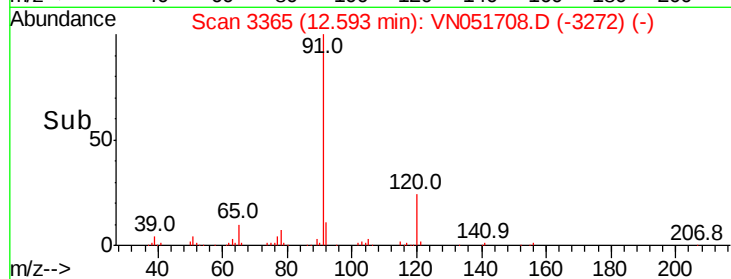
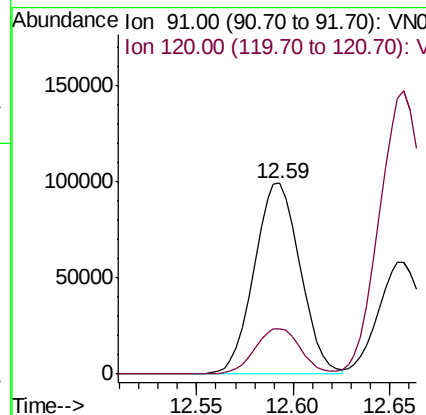
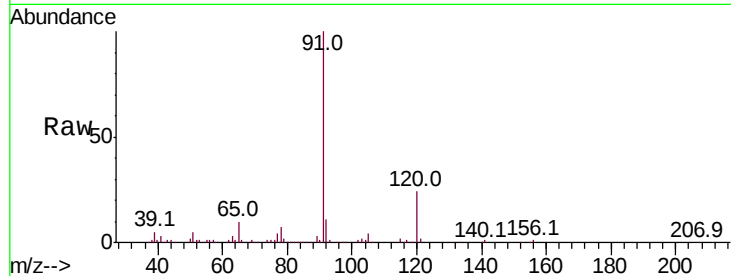
Ion Ratio Lower Upper

91 100

120 23.9 12.4 37.2

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#80

1,3,5-Trimethylbenzene

Concen: 11.899 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051708.D

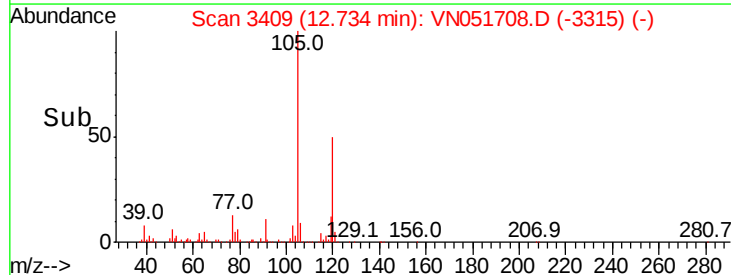
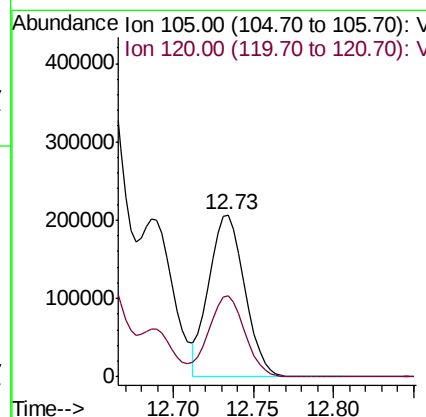
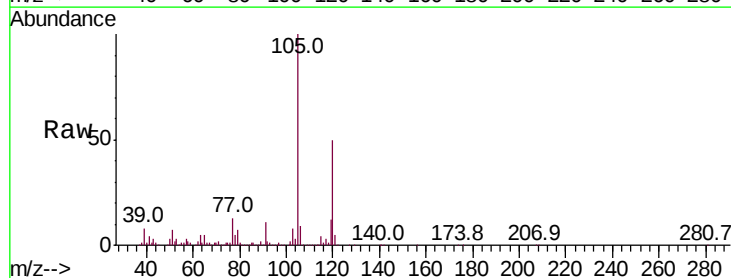
Acq: 6 Oct 2018 00:28

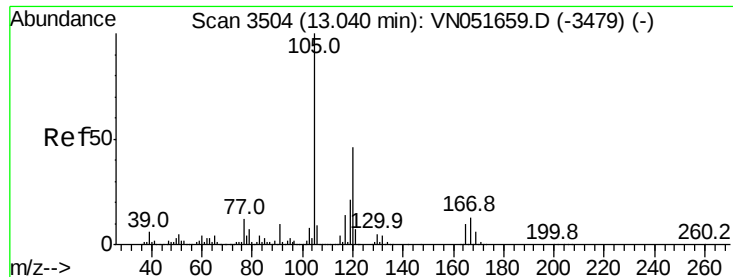
Tgt Ion: 105 Resp: 322150

Ion Ratio Lower Upper

105 100

120 50.7 24.6 74.0





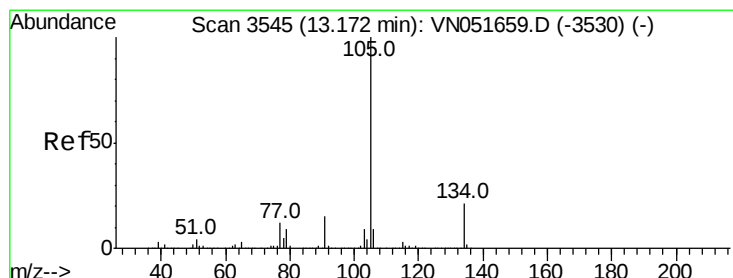
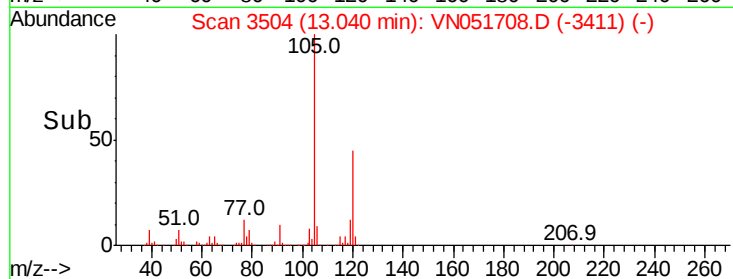
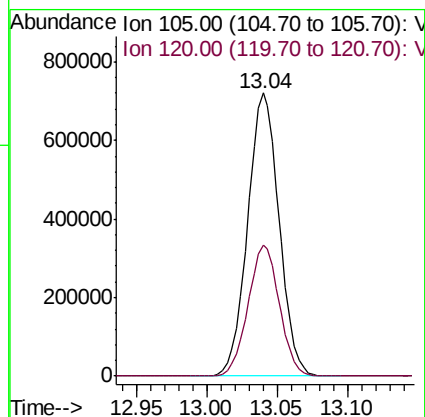
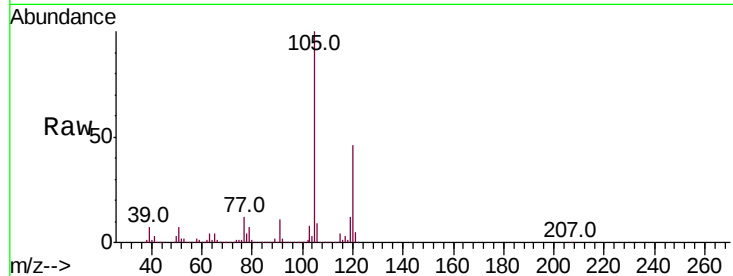
#84
 1,2,4-Trimethylbenzene
 Concen: 41.481 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051708.D
 Acq: 6 Oct 2018 00:28

Instrument :
 MSVOA_N
 ClientSampleId :
 B-7(6-6.5)DL

Tot Ion:105 Resp: 1124929
 Ion Ratio Lower Upper
 105 100
 120 46.2 22.9 68.7

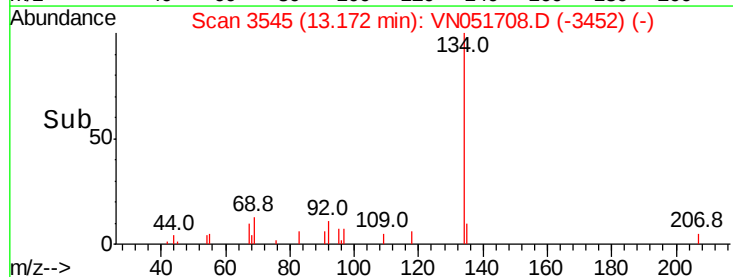
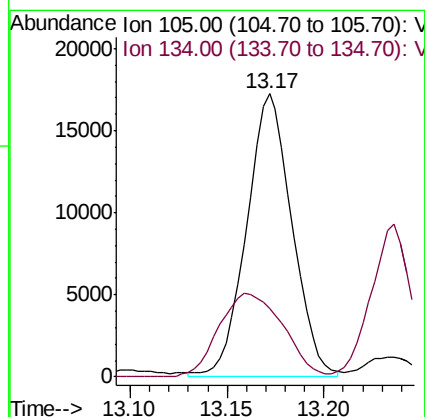
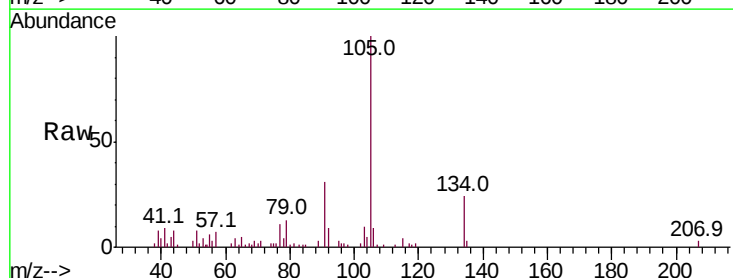
Manual Integrations
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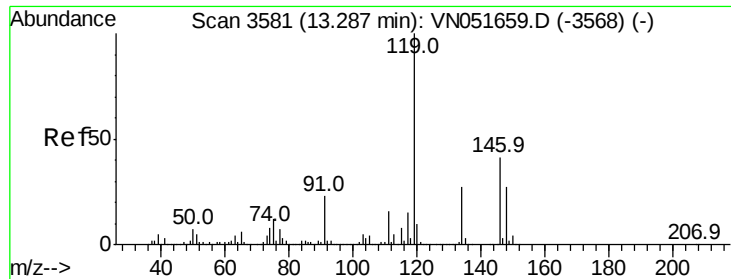
MMDadoda
 10/8/2018 12:50:10 PM



#85
 sec-Butylbenzene
 Concen: 0.878 ug/l m
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN051708.D
 Acq: 6 Oct 2018 00:28

Tgt Ion:105 Resp: 28180
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.5 31.6#





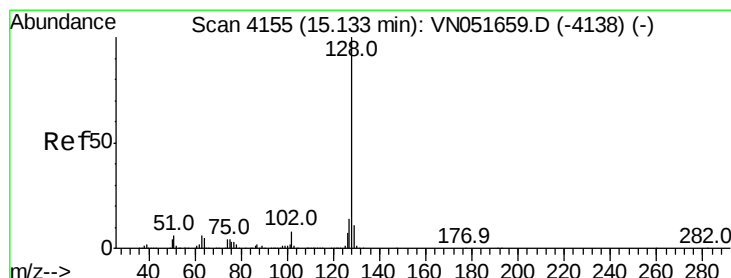
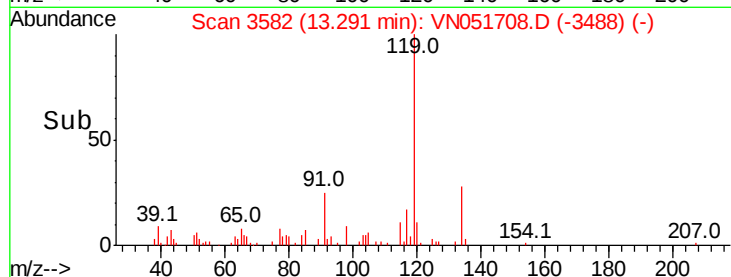
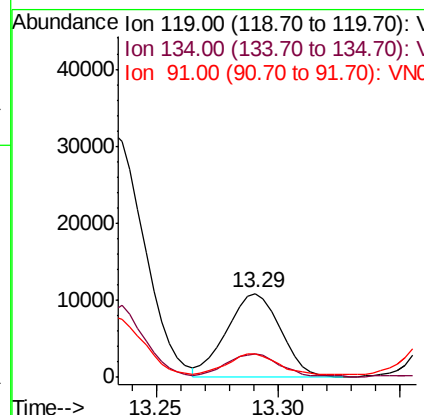
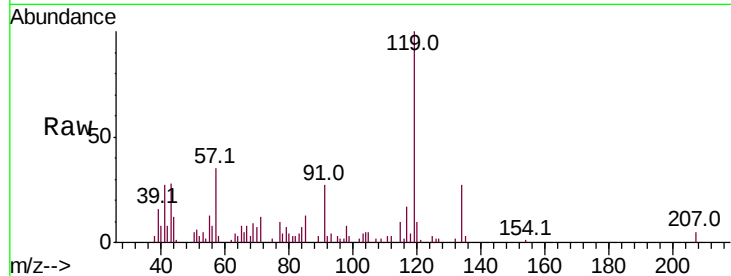
#86
 p-Isopropyltoluene
 Concen: 0.591 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN051708.D
 Acq: 6 Oct 2018 00:28

Instrument :
 MSVOA_N
 ClientSampleId :
 B-7(6-6.5)DL

Tot Ion	Ratio	Resp	Lower	Upper
119	100	16818		
134	28.2		13.4	40.2
91	22.9		11.7	35.1

Manual Integrations
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 10/8/2018 12:50:10 PM



#95
 Naphthalene
 Concen: 6.296 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN051708.D
 Acq: 6 Oct 2018 00:28

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	82329		
127	14.8		10.6	15.8
129	11.2		9.0	13.6

