

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122118\
 Data File : VN053121.D
 Acq On : 21 Dec 2018 23:51
 Operator : MD\SY
 Sample : J6392-22MEDL 20X
 Misc : 6.49g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 31 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 KY001SB106-121218-(22-24)MEDL

Manual Integrations
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MMDadoda
 12/22/2018 10:50:17 AM

Quant Time: Dec 22 11:04:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1294632	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1973072	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1803869	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	789157	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	632644	48.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.30%	
35) Dibromofluoromethane	7.59	113	520569	57.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.52%	
50) Toluene-d8	10.09	98	2444511	50.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.04%	
62) 4-Bromofluorobenzene	12.40	95	845830	49.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.60%	
Target Compounds						
					Qvalue	
39) Methylcyclohexane	9.08	83	128104	5.568	ug/l	90
67) Ethyl Benzene	11.51	91	1026744	14.931	ug/l	100
68) m/p-Xylenes	11.63	106	444680	17.010	ug/l	99
69) o-Xylene	11.95	106	378995	15.108	ug/l	99
73) Isopropylbenzene	12.25	105	364288	5.900	ug/l	100
78) n-propylbenzene	12.59	91	648240	9.218	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	688280	13.676	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	2326300	45.981	ug/l	100
85) sec-Butylbenzene	13.17	105	67389m	1.119	ug/l	
89) n-Butylbenzene	13.62	91	99895	2.232	ug/l #	74
95) Naphthalene	15.13	128	196832	7.345	ug/l	100

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

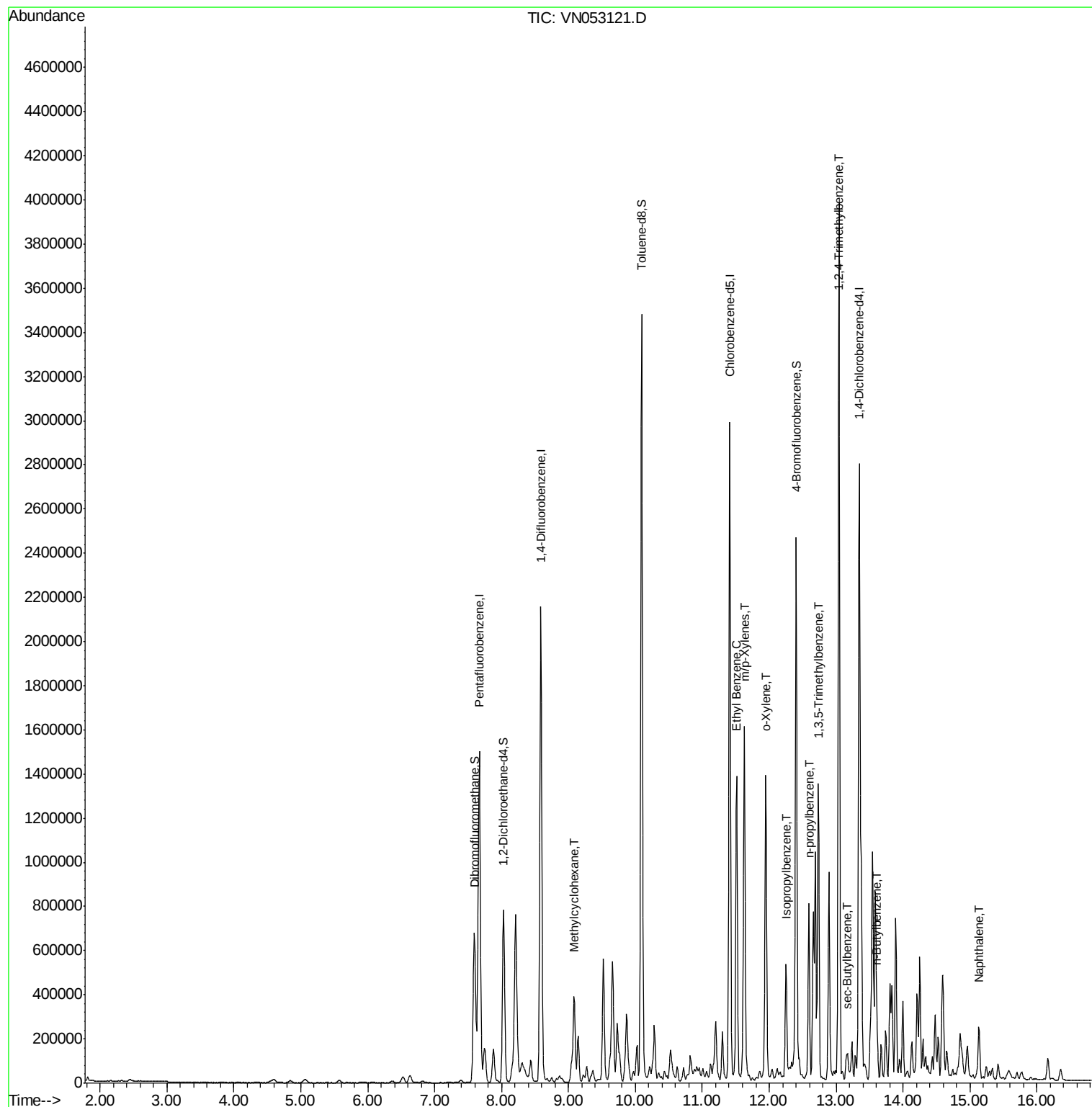
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN122118\
Data File : VN053121.D
Acq On : 21 Dec 2018 23:51
Operator : MD\SY
Sample : J6392-22MEDL 20X
Misc : 6.49g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 31 Sample Multiplier: 28

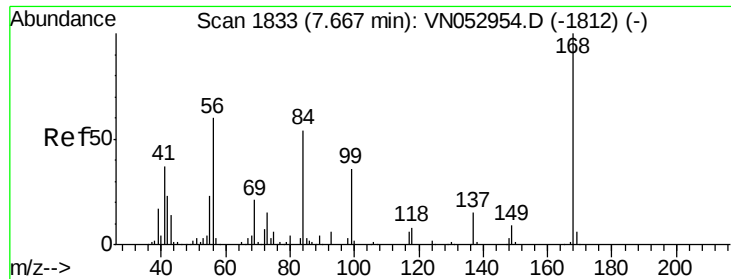
Instrument :
MSVOA_N
ClientSampleId :
KY001SB106-121218-(22-24)MEDL

Manual Integrations
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Quant Time: Dec 22 11:04:03 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:03:37 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: VN053121.D

Acq: 21 Dec 2018 23:51

Instrument :

MSVOA_N

ClientSampleId :

KY001SB106-121218-(22-24)MEDL

Tgt Ion:168 Resp: 1294632

Ion Ratio Lower Upper

168 100

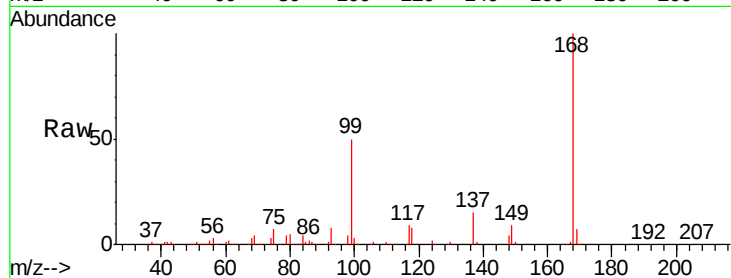
99 50.0 40.2 60.2

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

600000

500000

400000

300000

200000

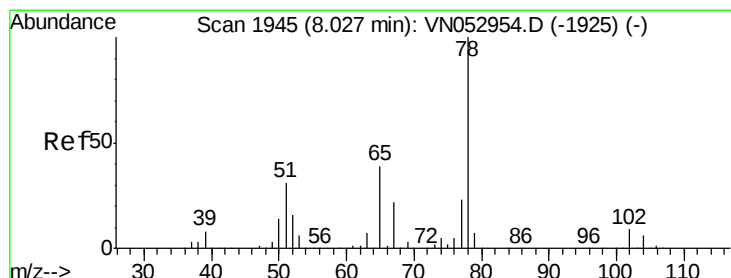
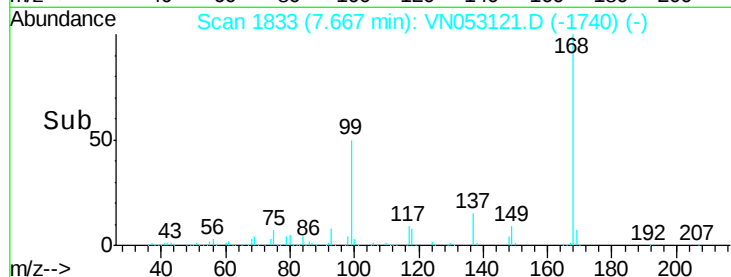
100000

0

7.67

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: VN053121.D

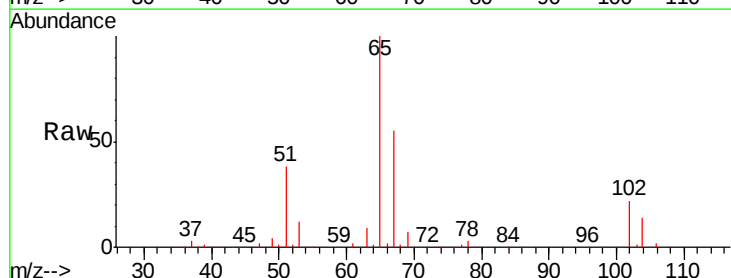
Acq: 21 Dec 2018 23:51

Tgt Ion: 65 Resp: 632644

Ion Ratio Lower Upper

65 100

67 54.9 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VNO

Ion 66.90 (66.60 to 67.60): VNO

300000

250000

200000

150000

100000

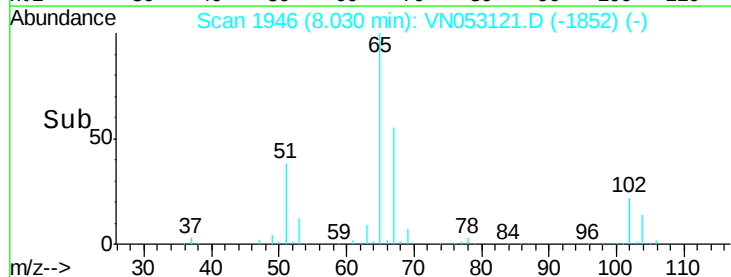
50000

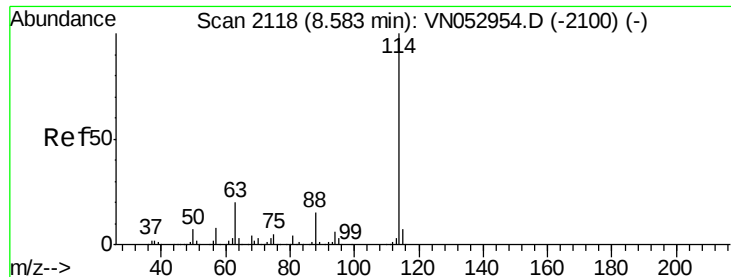
0

8.03

7.90 8.00 8.10

Time-->





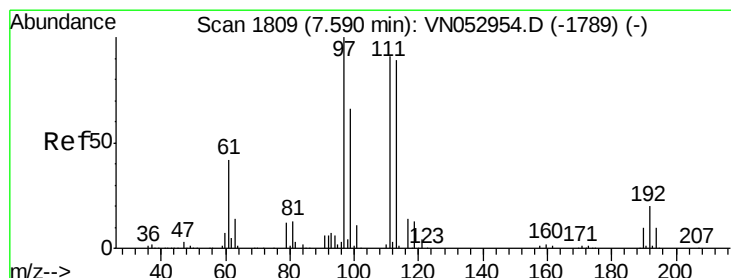
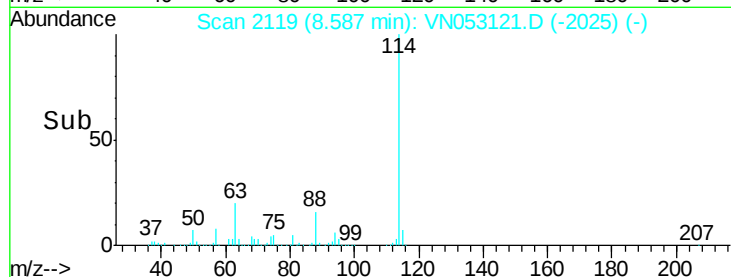
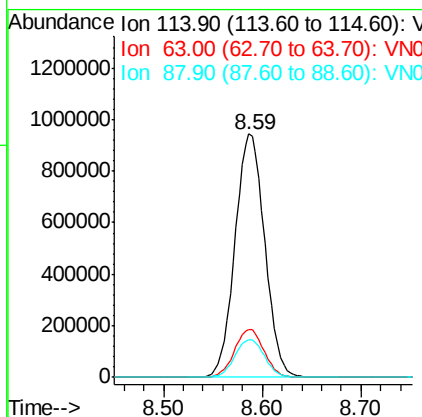
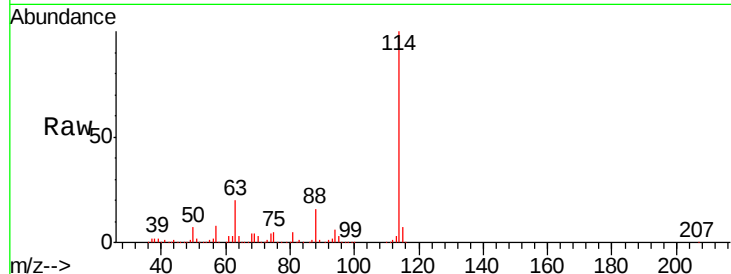
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053121.D
 Acq: 21 Dec 2018 23:51

Instrument :
 MSVOA_N
 ClientSampleId :
 KY001SB106-121218-(22-24)MEDL

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1973072		
63	19.7		0.0	39.8
88	15.6		0.0	31.0

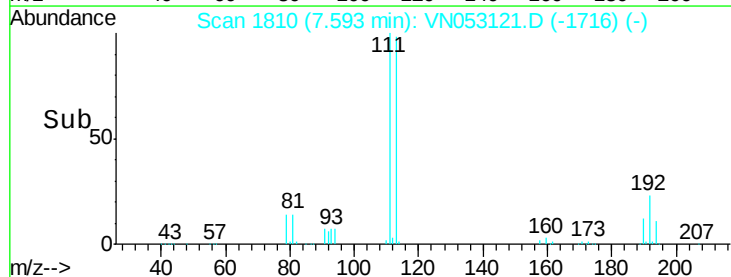
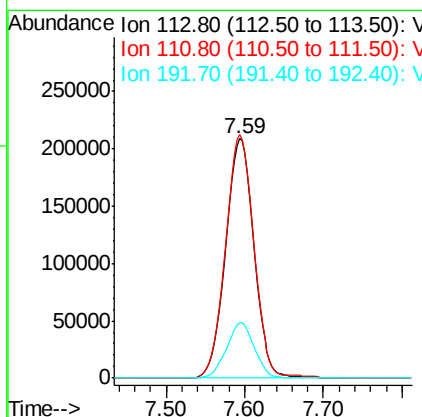
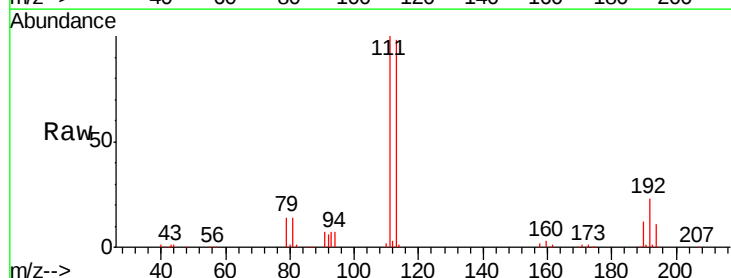
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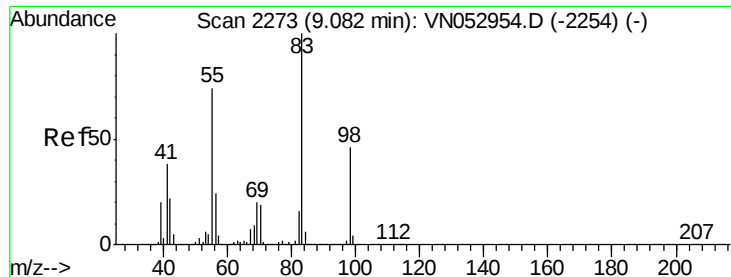
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#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053121.D
 Acq: 21 Dec 2018 23:51

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	520569		
111	101.9		83.0	124.4
192	22.7		17.5	26.3





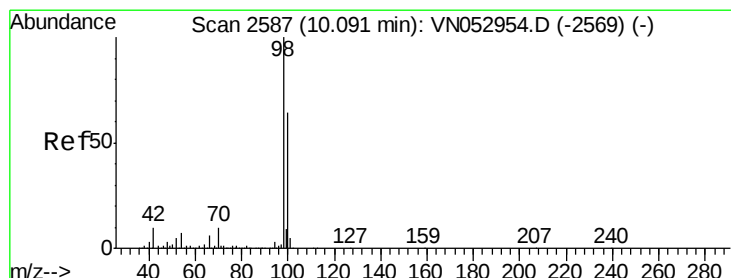
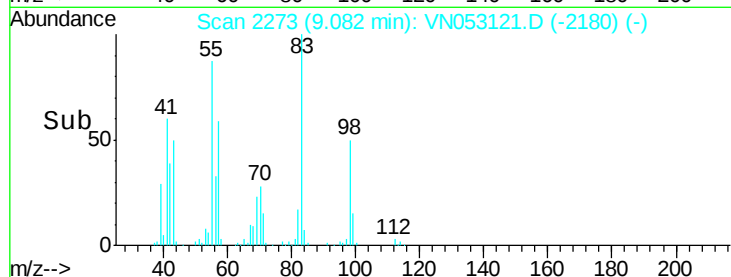
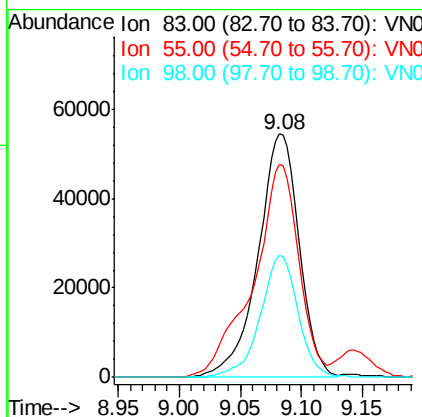
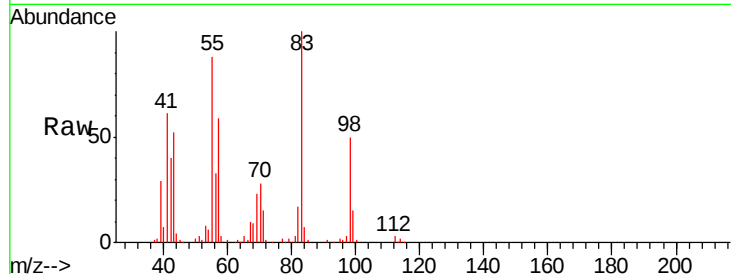
#39
Methylcyclohexane
Concen: 5.568 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053121.D
Acq: 21 Dec 2018 23:51

Instrument :
MSVOA_N
ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
83	100		
55	87.1	61.3	91.9
98	50.0	37.0	55.4

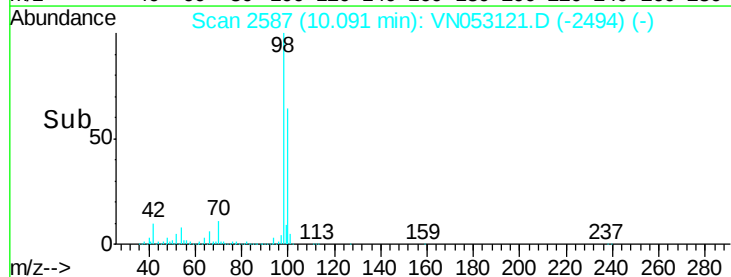
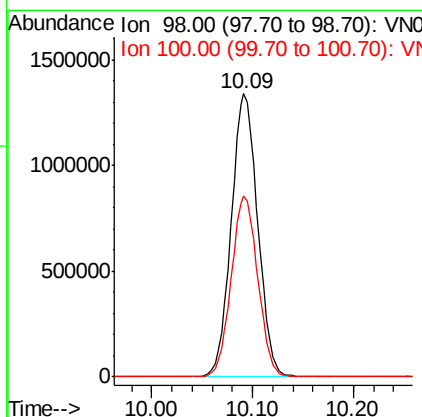
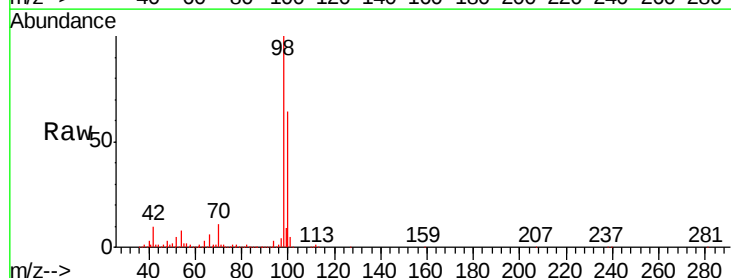
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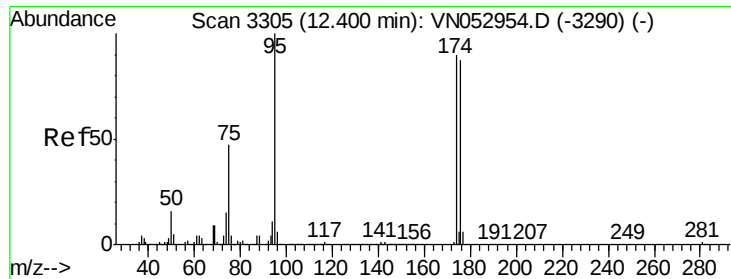
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#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053121.D
Acq: 21 Dec 2018 23:51

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.6	77.4





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053121.D

Acq: 21 Dec 2018 23:51

Instrument :

MSVOA_N

ClientSampleId :

KY001SB106-121218-(22-24)MEDL

Tgt Ion: 95 Resp: 845830

Ion Ratio Lower Upper

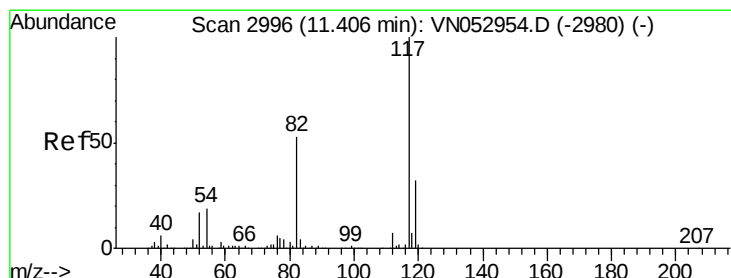
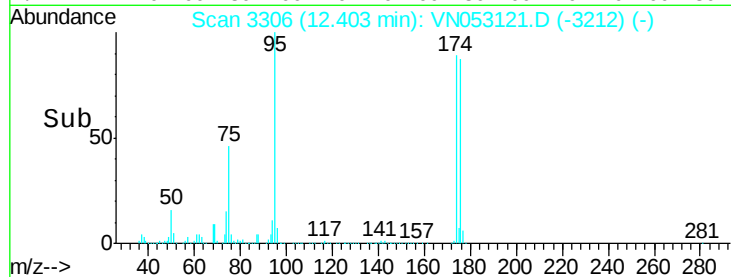
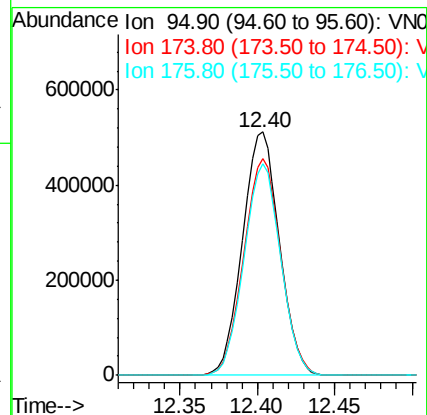
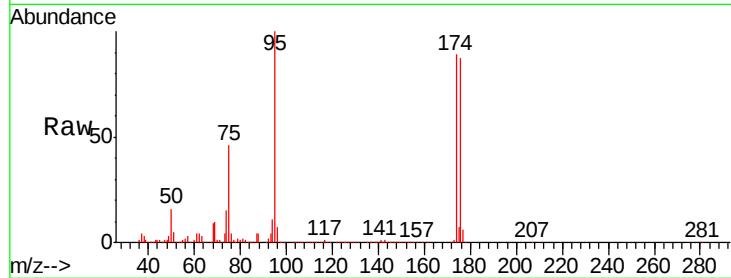
95 100

174 89.7 0.0 178.8

176 86.8 0.0 173.8

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN053121.D

Acq: 21 Dec 2018 23:51

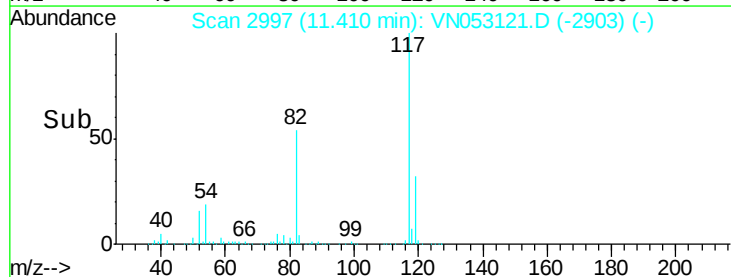
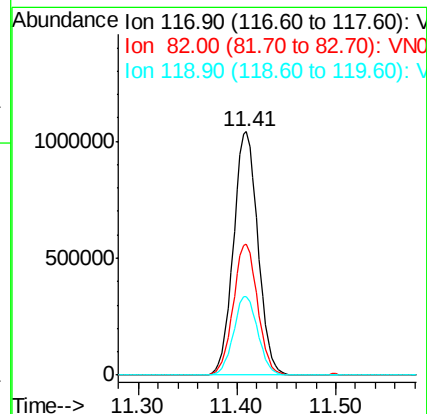
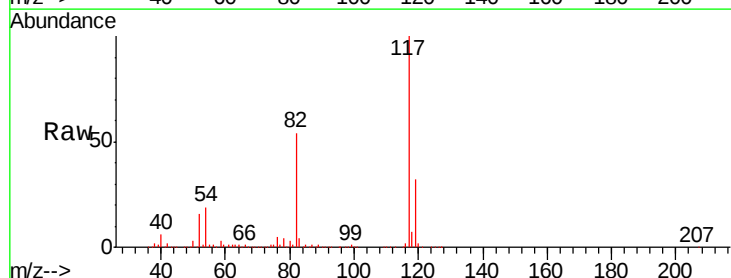
Tgt Ion: 117 Resp: 1803869

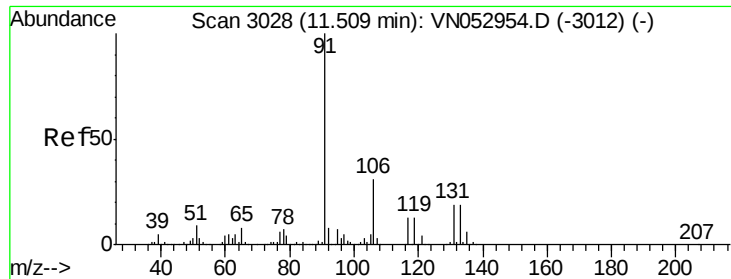
Ion Ratio Lower Upper

117 100

82 53.6 42.8 64.2

119 32.3 25.5 38.3





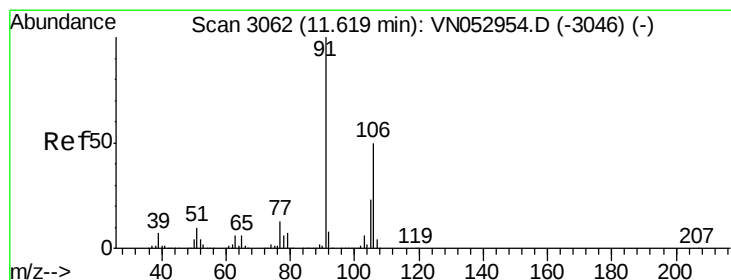
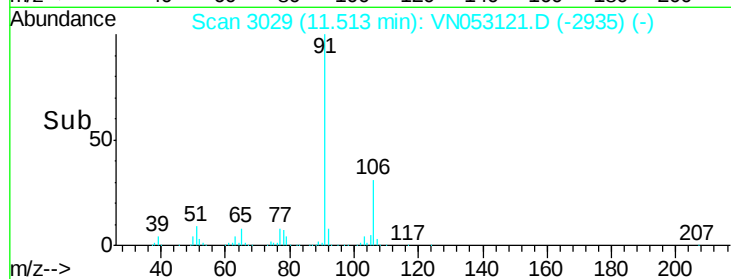
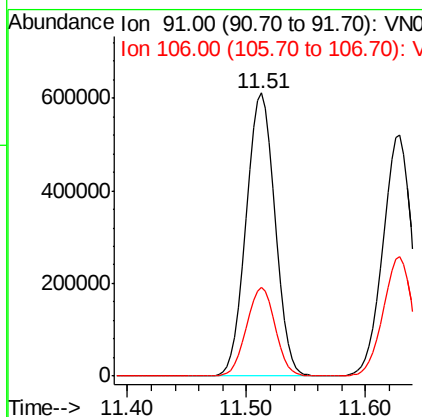
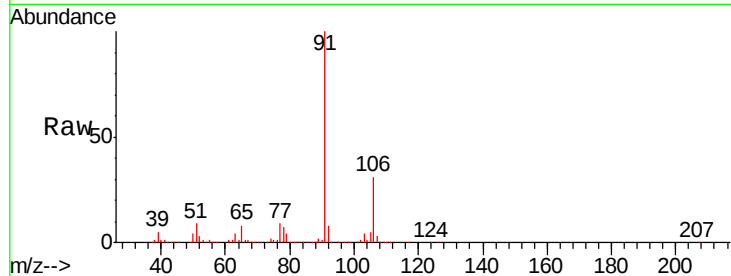
#67
Ethyl Benzene
Concen: 14.931 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053121.D
Acq: 21 Dec 2018 23:51

Instrument :
MSVOA_N
ClientSampleId :
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Tgt Ion: 91 Resp: 1026744
Ion Ratio Lower Upper
91 100
106 31.2 24.9 37.3

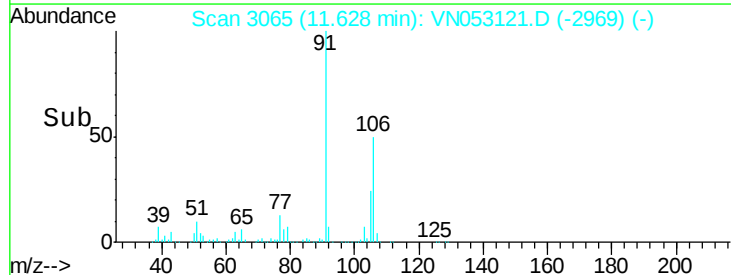
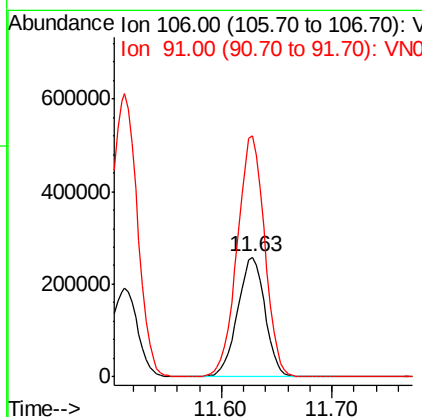
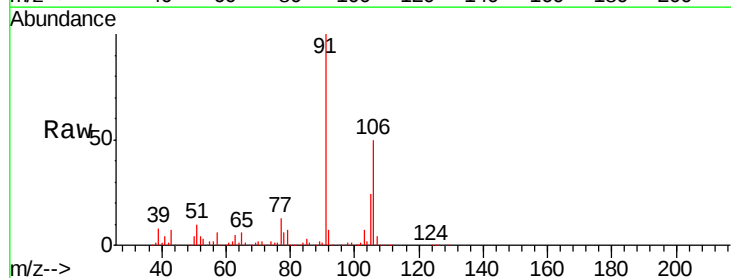
Manual Integrations
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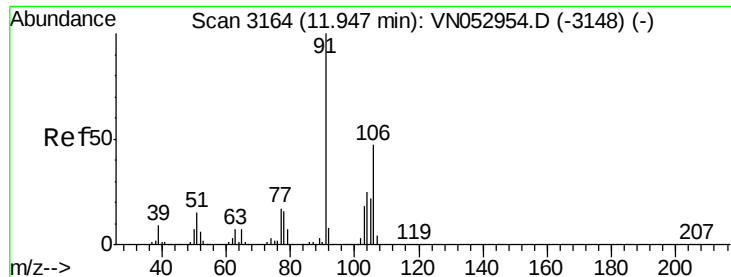
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#68
m/p-Xylenes
Concen: 17.010 ug/l
RT: 11.63 min Scan# 3065
Delta R.T. 0.01 min
Lab File: VN053121.D
Acq: 21 Dec 2018 23:51

Tgt Ion: 106 Resp: 444680
Ion Ratio Lower Upper
106 100
91 201.8 162.2 243.4





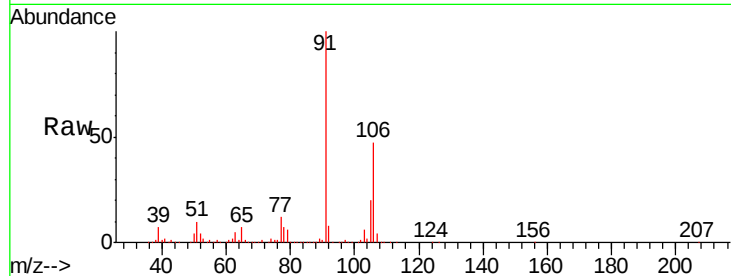
#69
o-Xylene
Concen: 15.108 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN053121.D
Acq: 21 Dec 2018 23:51

Instrument :
MSVOA_N
ClientSampleId :
KY001SB106-121218-(22-24)MEDL

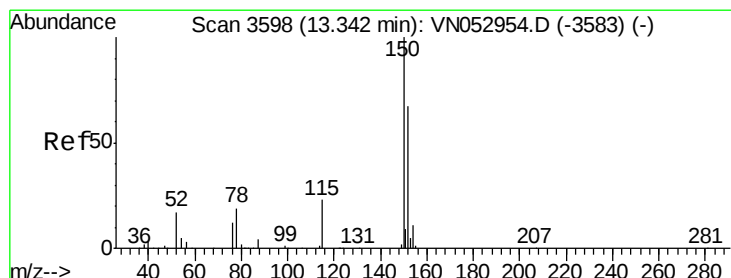
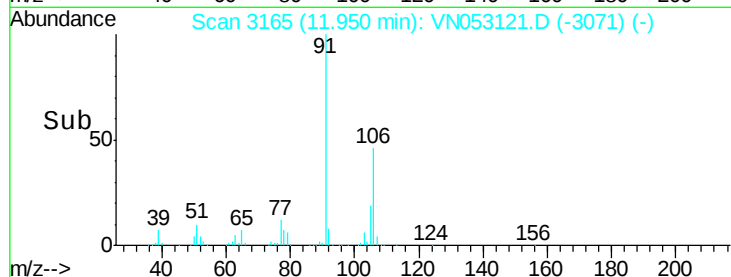
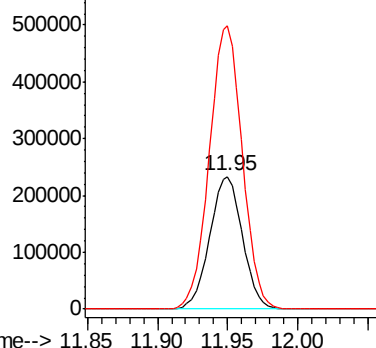
Tgt Ion:106 Resp: 378995
Ion Ratio Lower Upper
106 100
91 215.5 106.6 319.8

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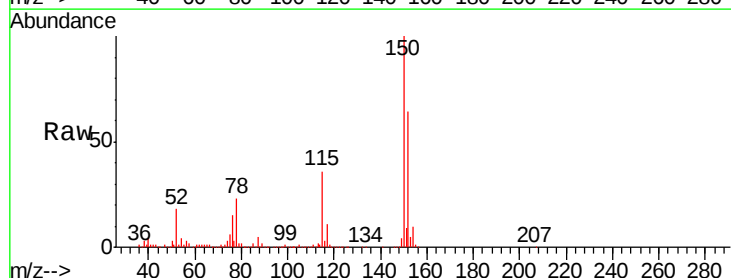


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

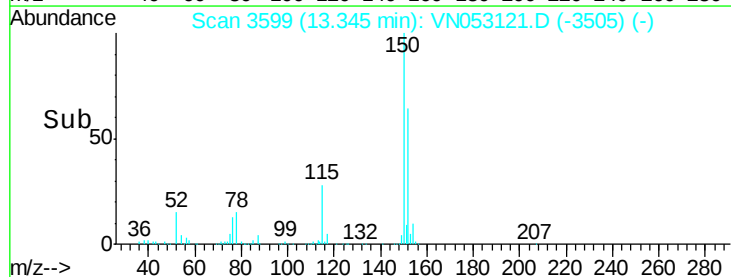
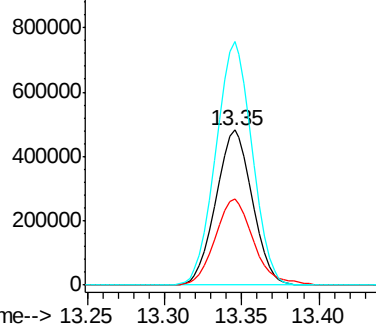


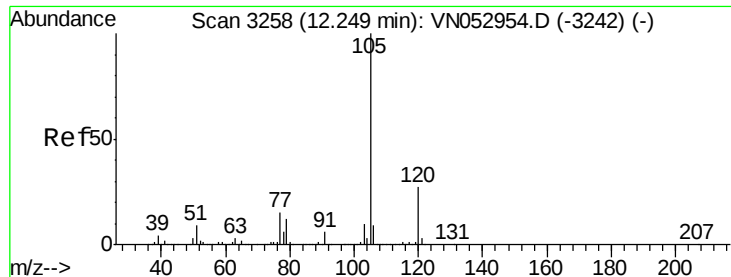
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053121.D
Acq: 21 Dec 2018 23:51

Tgt Ion:152 Resp: 789157
Ion Ratio Lower Upper
152 100
115 58.4 28.3 85.0
150 157.0 0.0 347.8



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: 5.900 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN053121.D

Acq: 21 Dec 2018 23:51

Instrument :

MSVOA_N

ClientSampleId :

KY001SB106-121218-(22-24)MEDL

Tgt Ion: 105 Resp: 364288

Ion Ratio Lower Upper

105 100

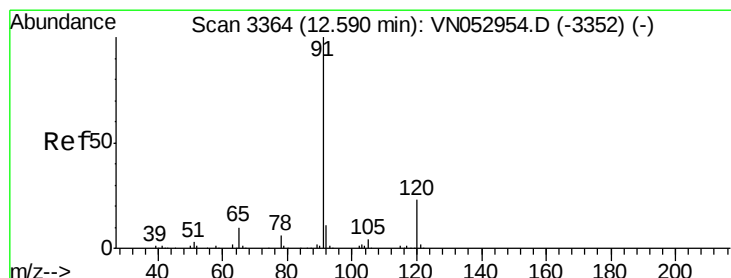
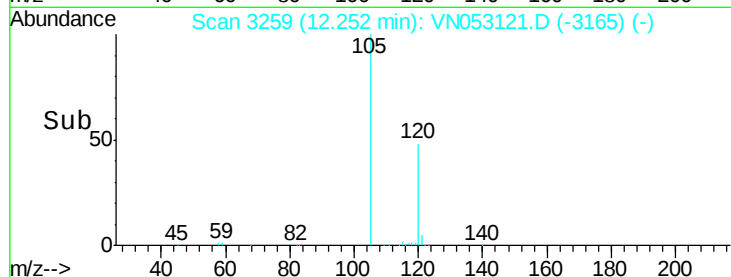
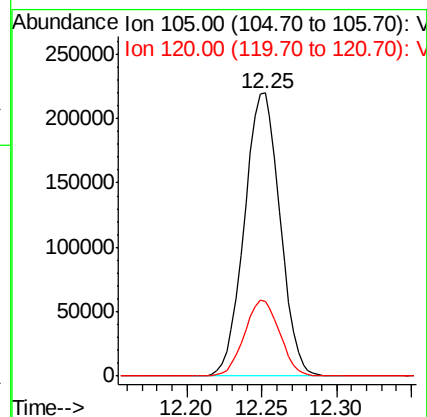
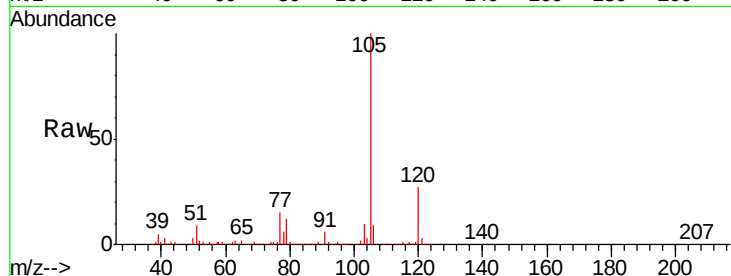
120 26.5 13.3 39.9

Manual Integrations

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#78

n-propylbenzene

Concen: 9.218 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053121.D

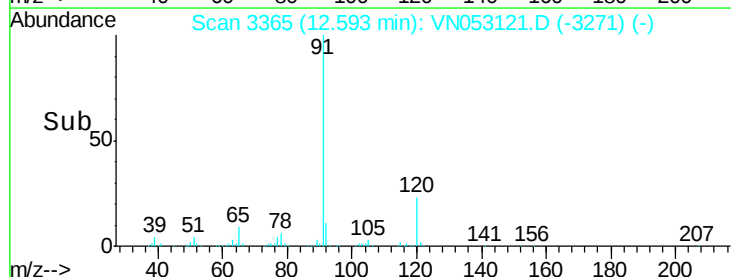
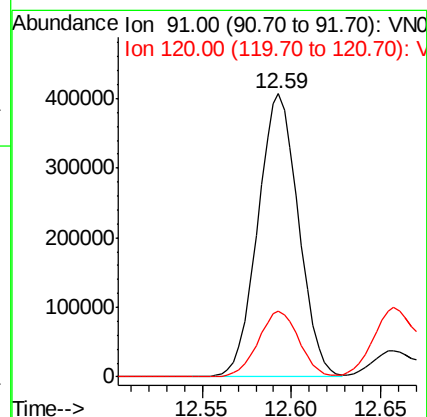
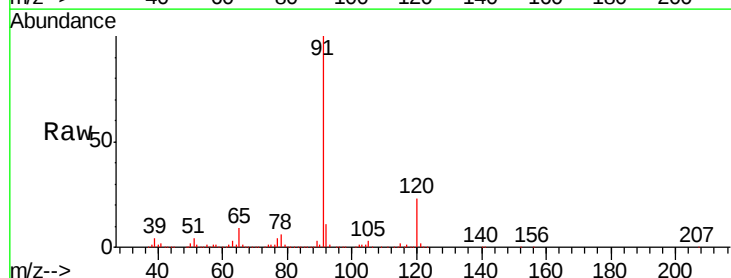
Acq: 21 Dec 2018 23:51

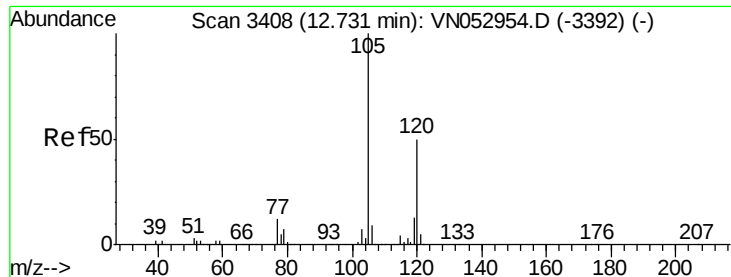
Tgt Ion: 91 Resp: 648240

Ion Ratio Lower Upper

91 100

120 23.4 11.5 34.5





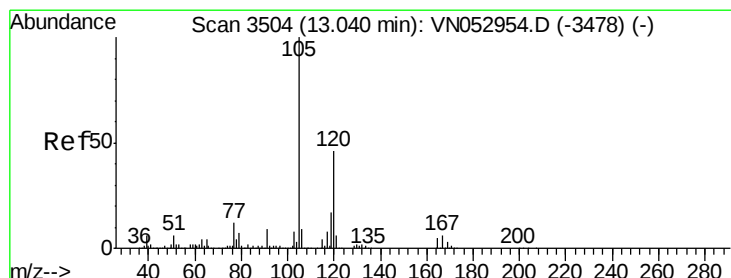
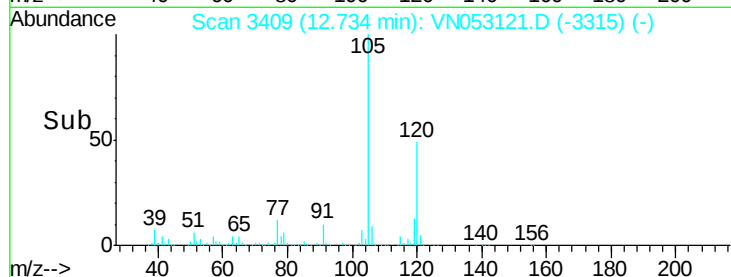
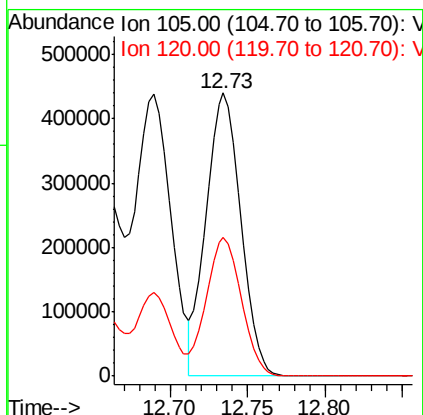
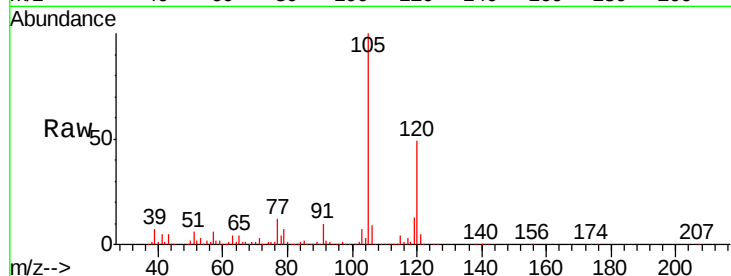
#80
 1,3,5-Trimethylbenzene
 Concen: 13.676 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN053121.D
 Acq: 21 Dec 2018 23:51

Instrument :
 MSVOA_N
 ClientSampleId :
 KY001SB106-121218-(22-24)MEDL

Tgt Ion:105 Resp: 688280
 Ion Ratio Lower Upper
 105 100
 120 50.2 24.4 73.2

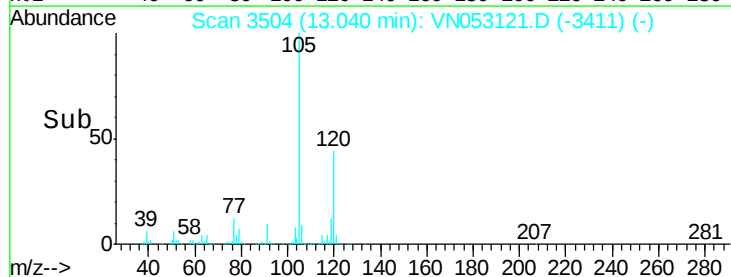
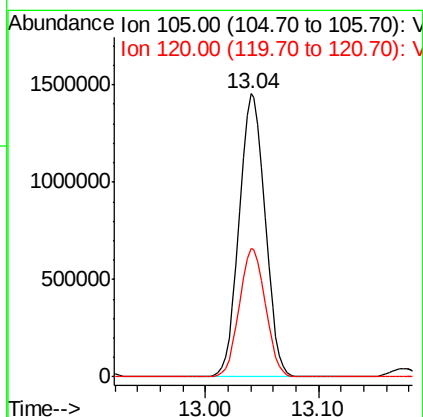
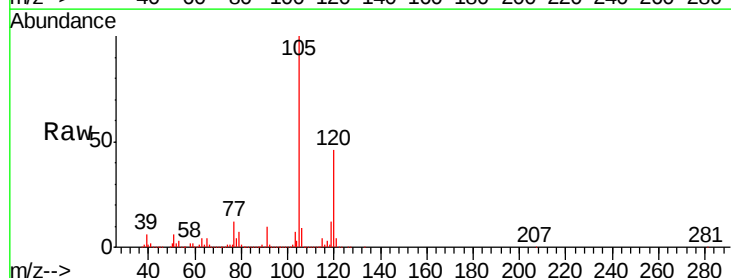
Manual Integrations
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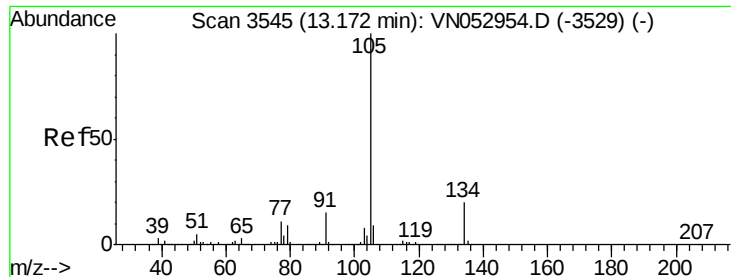
MMDadoda
 12/22/2018 10:50:17 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 45.981 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN053121.D
 Acq: 21 Dec 2018 23:51

Tgt Ion:105 Resp: 2326300
 Ion Ratio Lower Upper
 105 100
 120 45.6 22.9 68.8





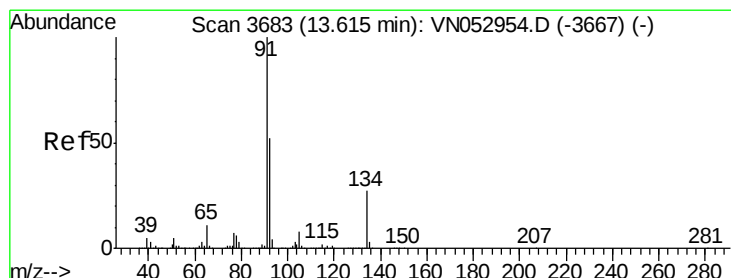
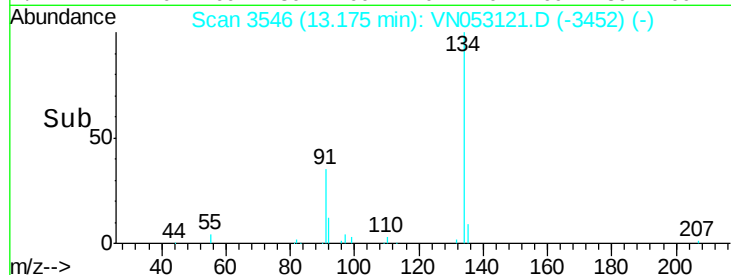
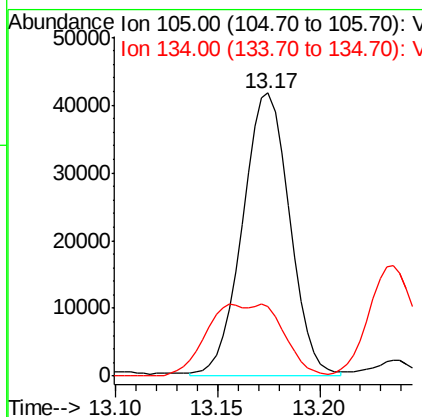
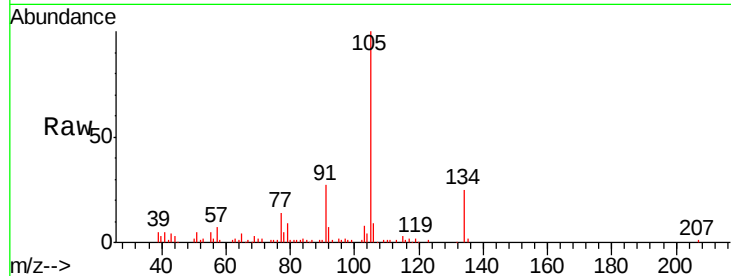
#85
 sec-Butylbenzene
 Concen: 1.119 ug/l m
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN053121.D
 Acq: 21 Dec 2018 23:51

Instrument :
 MSVOA_N
 ClientSampleId :
 KY001SB106-121218-(22-24)MEDL

Tgt Ion: 105 Resp: 67389
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.1 30.3#

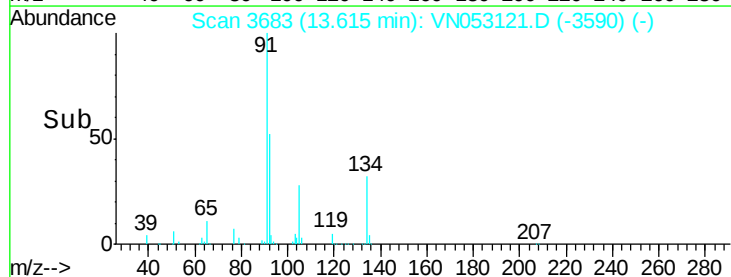
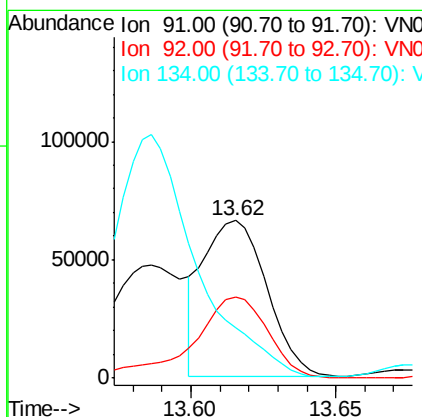
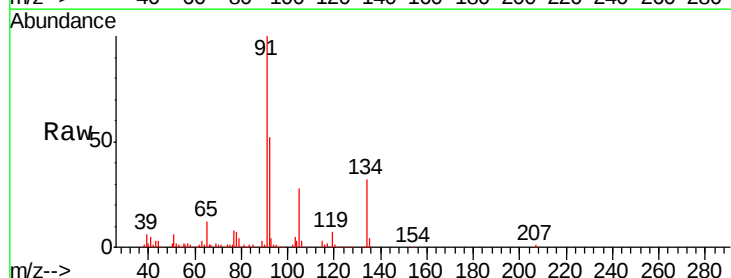
Manual Integrations
 APPROVED

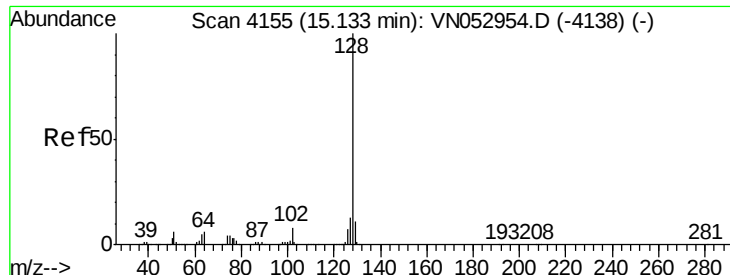
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#89
 n-Butylbenzene
 Concen: 2.232 ug/l
 RT: 13.62 min Scan# 3683
 Delta R.T. -0.00 min
 Lab File: VN053121.D
 Acq: 21 Dec 2018 23:51

Tgt Ion: 91 Resp: 99895
 Ion Ratio Lower Upper
 91 100
 92 61.9 26.3 78.9
 134 0.0 13.3 39.8#





#95
Naphthalene
Concen: 7.345 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN053121.D
Acq: 21 Dec 2018 23:51

Instrument :
MSVOA_N
ClientSampleId :
KY001SB106-121218-(22-24)MEDL

Tgt	Ion	Ratio	Resp	Lower	Upper
128	100		196832		
127	12.9	10.2	15.4		
129	10.7	8.6	13.0		

Manual Integrations
APPROVED

MMDadoda
12/22/2018 10:50:17 AM

