

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122118\
 Data File : VN053115.D
 Acq On : 21 Dec 2018 21:09
 Operator : MD\SY
 Sample : J6392-10ME 20X
 Misc : 7.23g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 25 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 KY001SB104-121218(18-20)ME

Manual Integrations
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MMDadoda
 12/22/2018 10:49:44 AM

Quant Time: Dec 22 02:52:04 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	1297713	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1971579	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1858416	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	858094	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	633461	48.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.20%	
35) Dibromofluoromethane	7.59	113	507078	56.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.60%	
50) Toluene-d8	10.09	98	2477106	51.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.46%	
62) 4-Bromofluorobenzene	12.40	95	895487	52.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.52%	
Target Compounds						
					Qvalue	
31) Cyclohexane	7.64	56	174697	6.756	ug/l #	75
39) Methylcyclohexane	9.08	83	310597	13.511	ug/l	94
40) Benzene	8.05	78	99359	1.765	ug/l	100
52) Toluene	10.16	92	3603640	103.289	ug/l	99
67) Ethyl Benzene	11.51	91	5736925	80.977	ug/l	100
68) m/p-Xylenes	11.62	106	7928238	294.373	ug/l	98
69) o-Xylene	11.95	106	3034158	117.403	ug/l	100
73) Isopropylbenzene	12.25	105	1263168	18.814	ug/l	100
78) n-propylbenzene	12.59	91	2085301	27.271	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2366303	43.241	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	8142234	148.007	ug/l	100
85) sec-Butylbenzene	13.17	105	178934m	2.733	ug/l	
86) p-Isopropyltoluene	13.29	119	2527921	44.690	ug/l	99
89) n-Butylbenzene	13.62	91	304801	6.263	ug/l #	74
95) Naphthalene	15.14	128	648493	19.927	ug/l	99

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

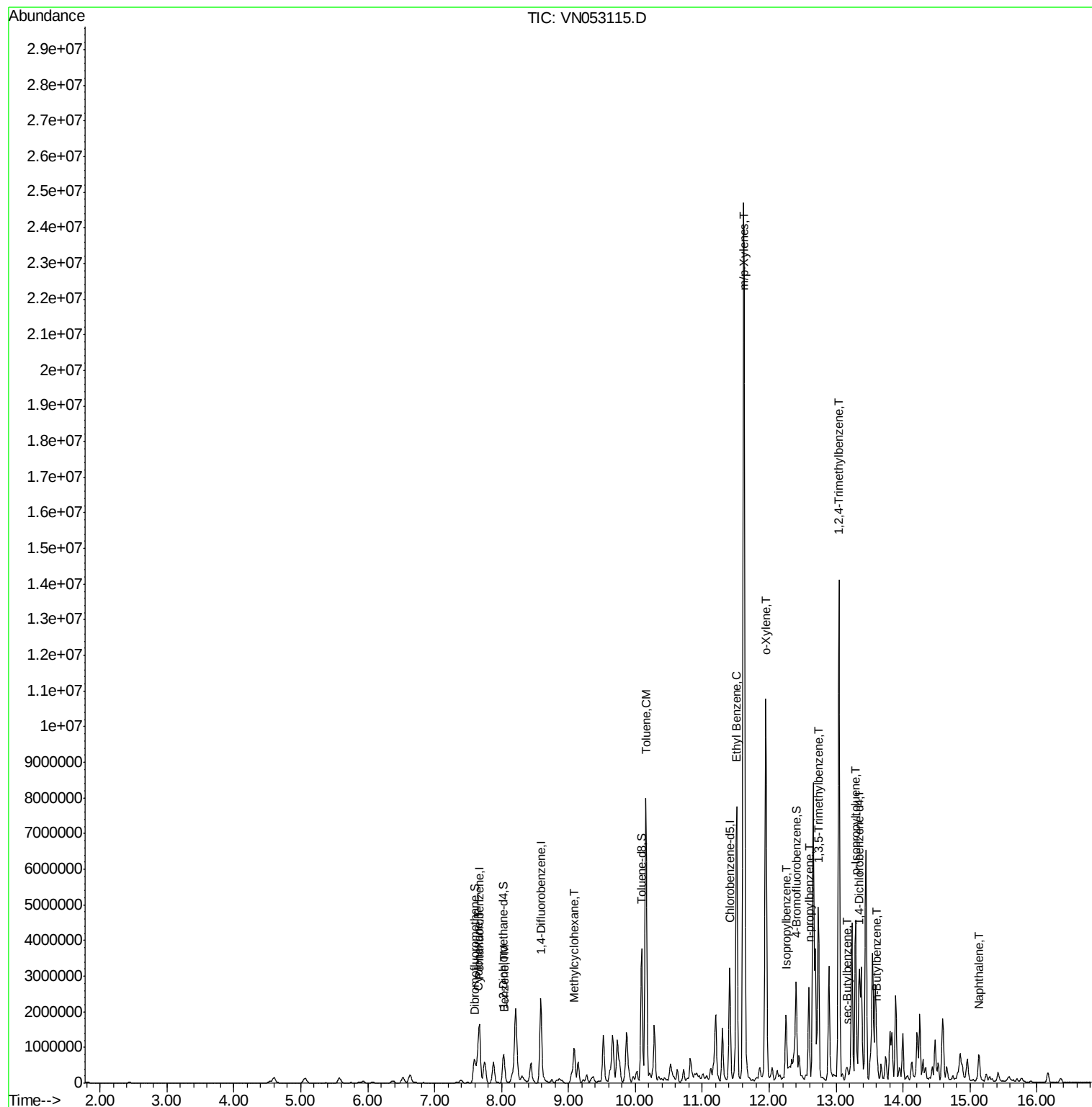
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN122118\
Data File : VN053115.D
Acq On : 21 Dec 2018 21:09
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Sample : J6392-10ME 20X
Misc : 7.23g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 25 Sample Multiplier: 28

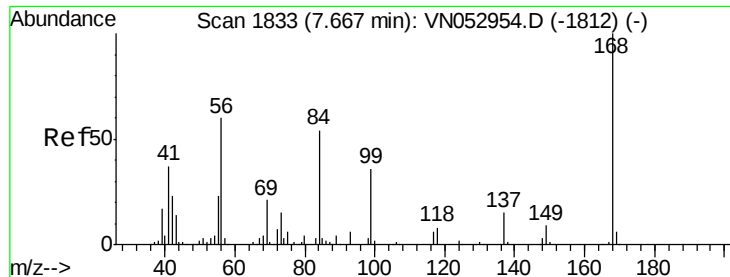
Instrument :
MSVOA_N
ClientSampleId :
KY001SB104-121218(18-20)ME

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Quant Title : SW846 8260
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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: VN053115.D

Acq: 21 Dec 2018 21:09

Instrument :

MSVOA_N

ClientSampleId :

KY001SB104-121218(18-20)ME

Tgt Ion:168 Resp: 1297713

Ion Ratio Lower Upper

168 100

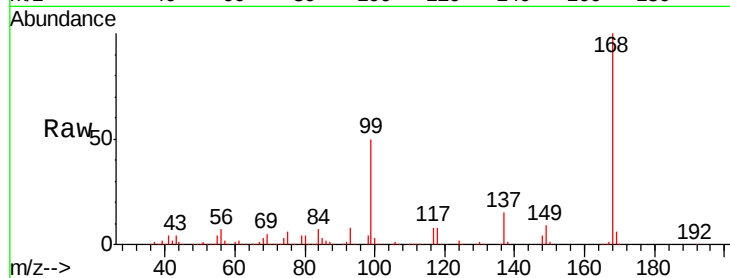
99 50.0 40.2 60.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

600000

500000

400000

300000

200000

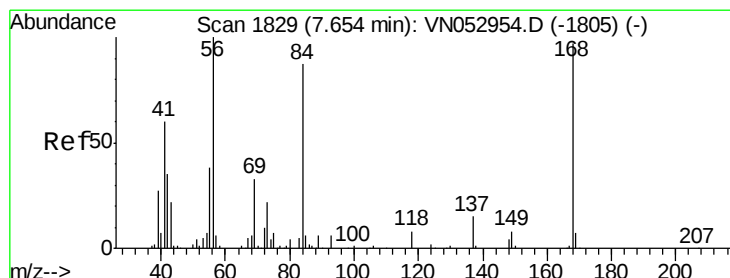
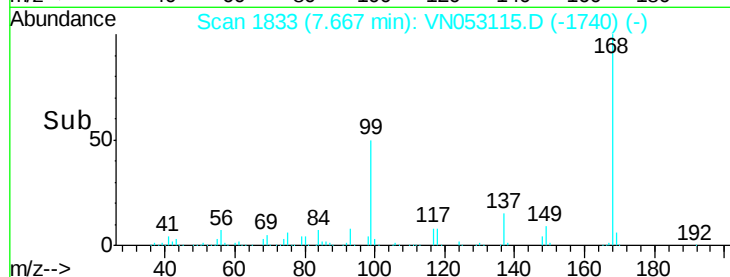
100000

0

7.67

7.60 7.70 7.80

Time-->



#31

Cyclohexane

Concen: 6.756 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.01 min

Lab File: VN053115.D

Acq: 21 Dec 2018 21:09

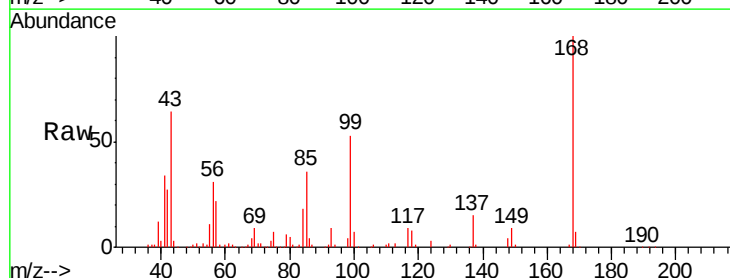
Tgt Ion: 56 Resp: 174697

Ion Ratio Lower Upper

56 100

69 25.1 26.6 39.8#

84 58.7 68.4 102.6#



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 69.00 (68.70 to 69.70): VN

Ion 84.00 (83.70 to 84.70): VN

150000

100000

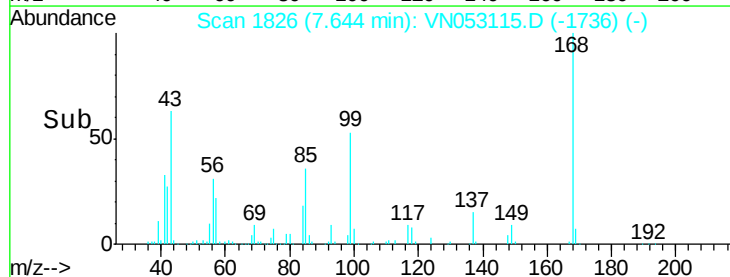
50000

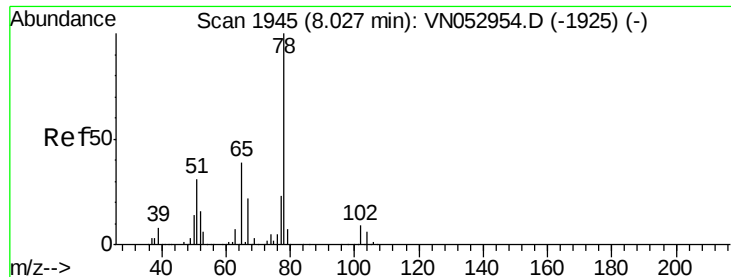
0

7.64

7.55 7.60 7.65 7.70

Time-->





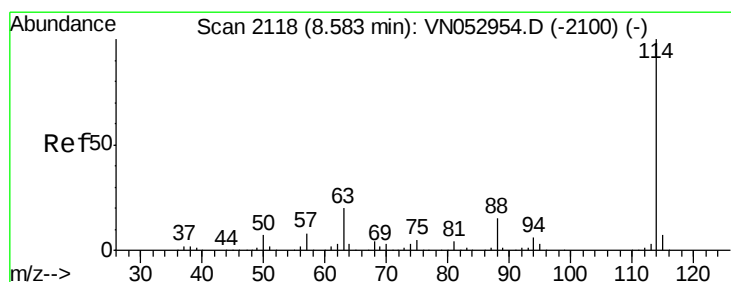
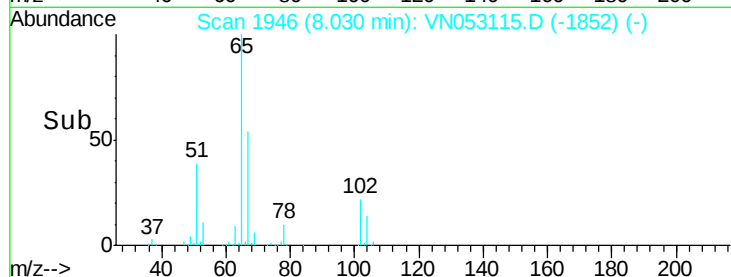
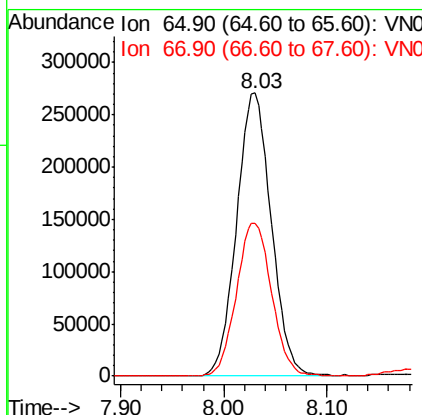
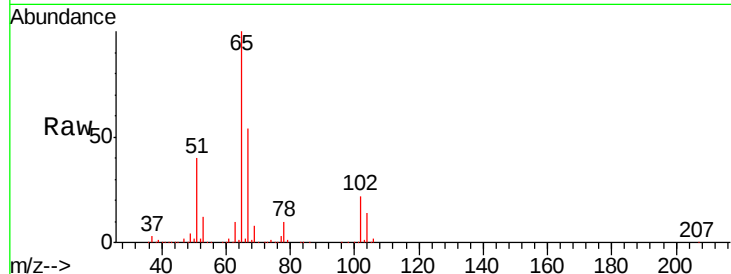
#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN053115.D
 Acq: 21 Dec 2018 21:09

Instrument :
 MSVOA_N
 ClientSampleId :
 KY001SB104-121218(18-20)ME

Tgt Ion: 65 Resp: 633461
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 110.4

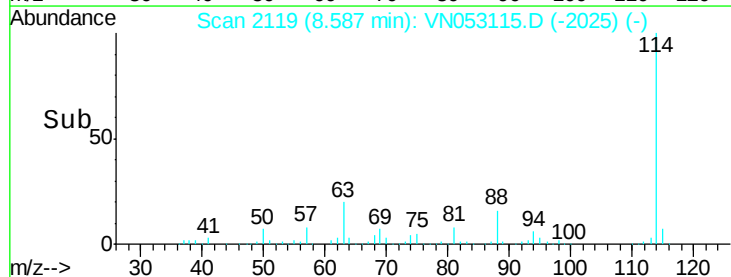
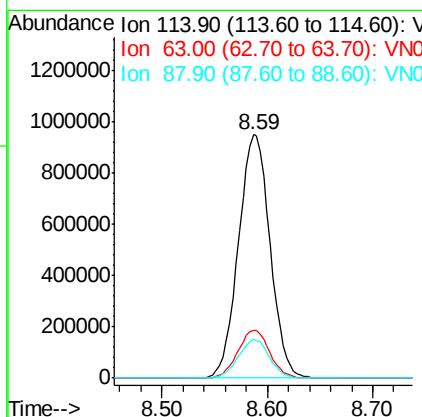
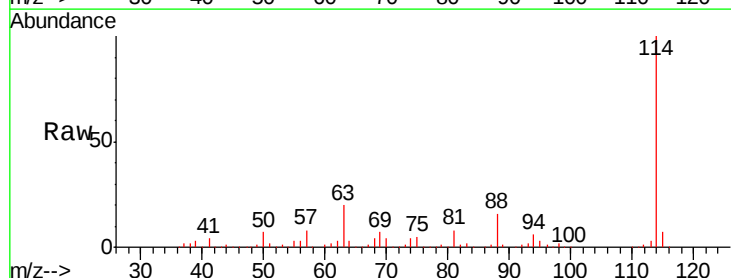
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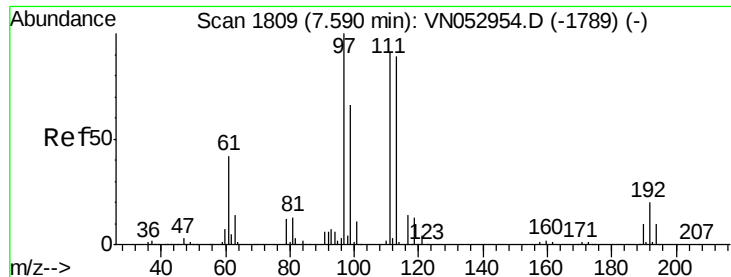
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053115.D
 Acq: 21 Dec 2018 21:09

Tgt Ion: 114 Resp: 1971579
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.8
 88 15.8 0.0 31.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN053115.D

Acq: 21 Dec 2018 21:09

Instrument :

MSVOA_N

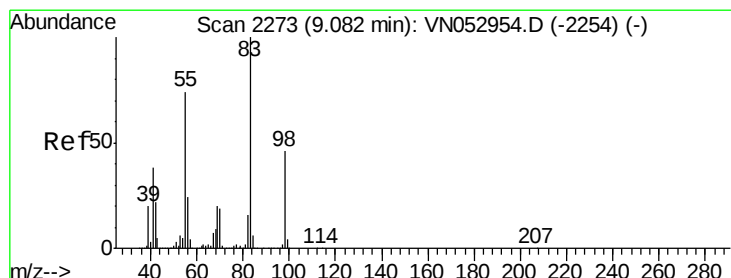
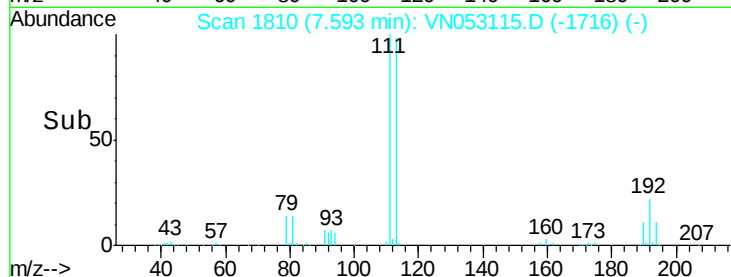
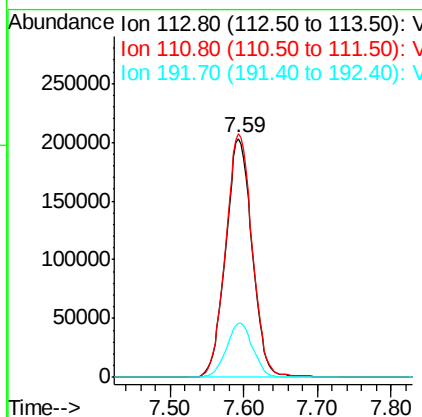
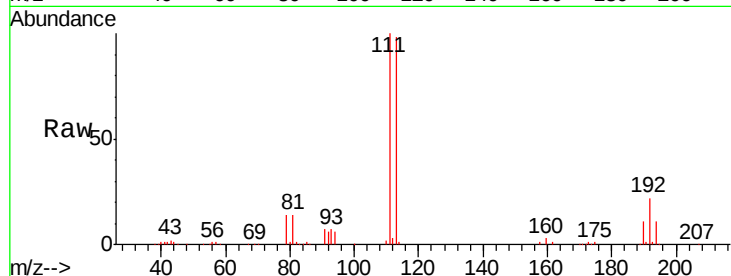
ClientSampleId :

KY001SB104-121218(18-20)ME

Tgt Ion:	113	Resp:	507078
Ion Ratio	Lower	Upper	
113	100		
111	102.3	83.0	124.4
192	22.6	17.5	26.3

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#39

Methylcyclohexane

Concen: 13.511 ug/l

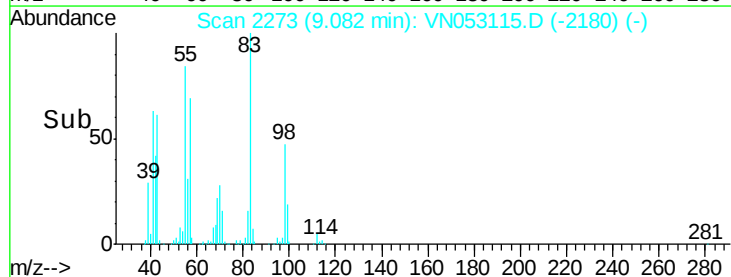
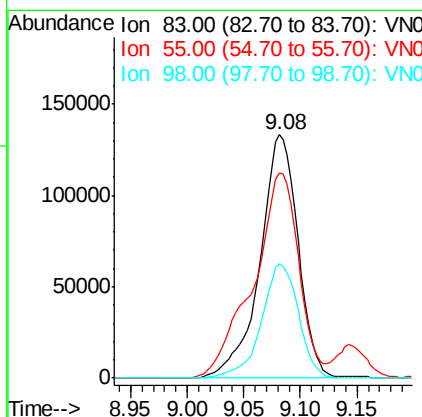
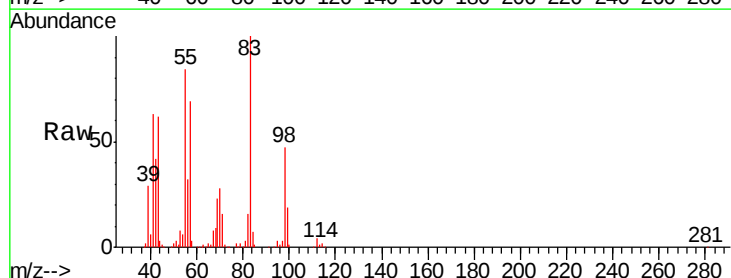
RT: 9.08 min Scan# 2273

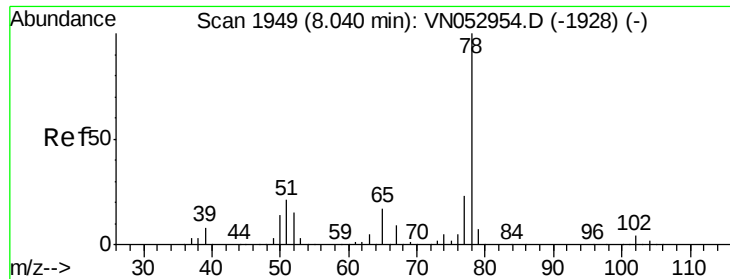
Delta R.T. -0.00 min

Lab File: VN053115.D

Acq: 21 Dec 2018 21:09

Tgt Ion:	83	Resp:	310597
Ion Ratio	Lower	Upper	
83	100		
55	83.8	61.3	91.9
98	46.7	37.0	55.4





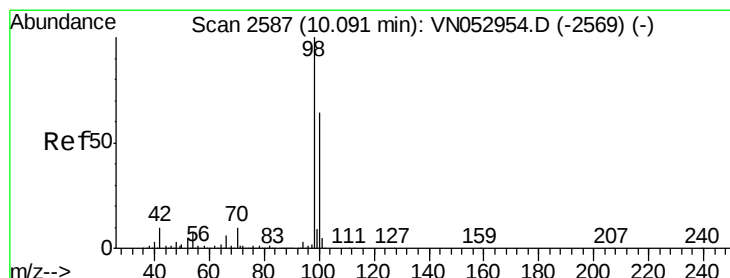
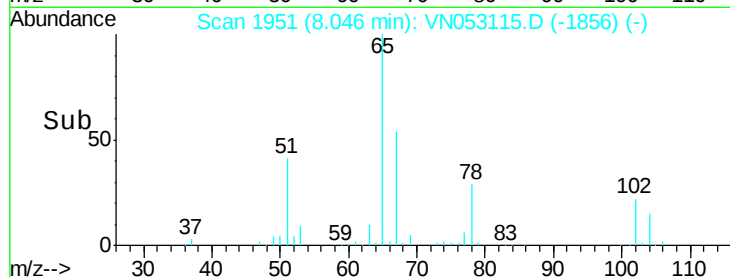
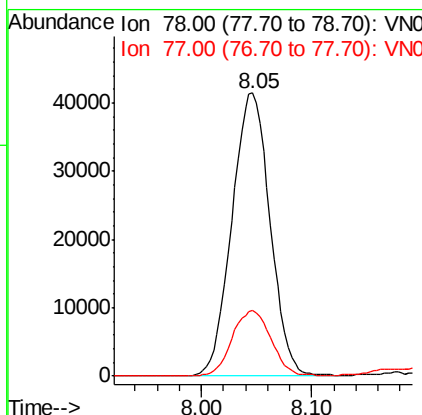
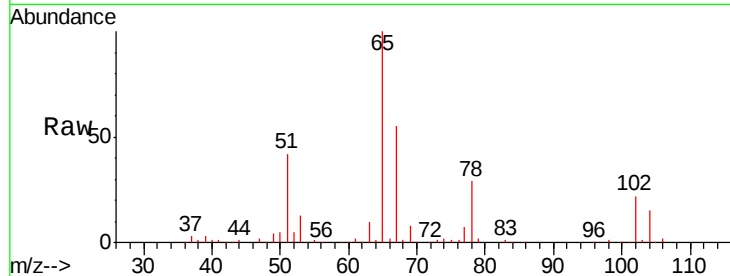
#40
Benzene
Concen: 1.765 ug/l
RT: 8.05 min Scan# 1951
Delta R.T. 0.01 min
Lab File: VN053115.D
Acq: 21 Dec 2018 21:09

Instrument :
MSVOA_N
ClientSampleId :
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Tgt Ion: 78 Resp: 99359
Ion Ratio Lower Upper
78 100
77 23.1 18.5 27.7

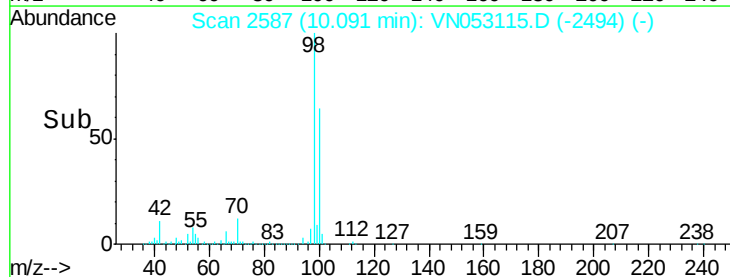
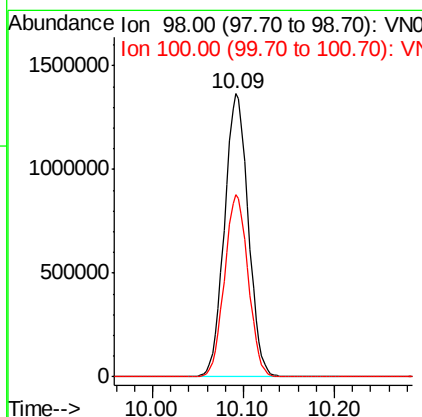
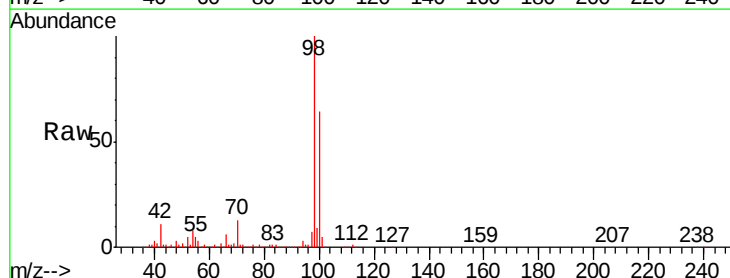
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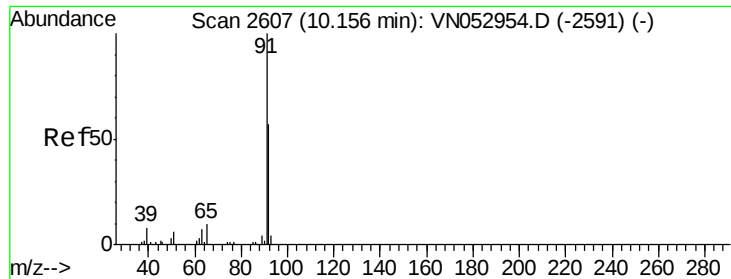
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#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053115.D
Acq: 21 Dec 2018 21:09

Tgt Ion: 98 Resp: 2477106
Ion Ratio Lower Upper
98 100
100 64.2 51.6 77.4





#52

Toluene

Concen: 103.289 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN053115.D

Acq: 21 Dec 2018 21:09

Instrument :

MSVOA_N

ClientSampleId :

KY001SB104-121218(18-20)ME

Tgt Ion: 92 Resp: 3603640

Ion Ratio Lower Upper

92 100

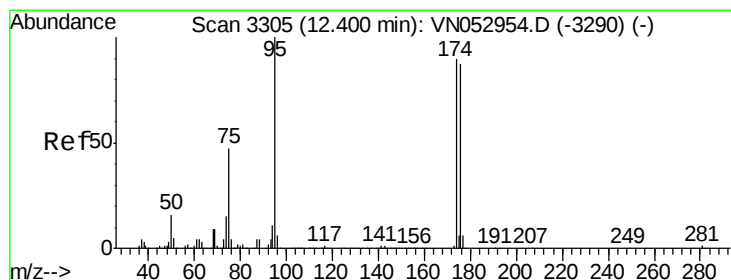
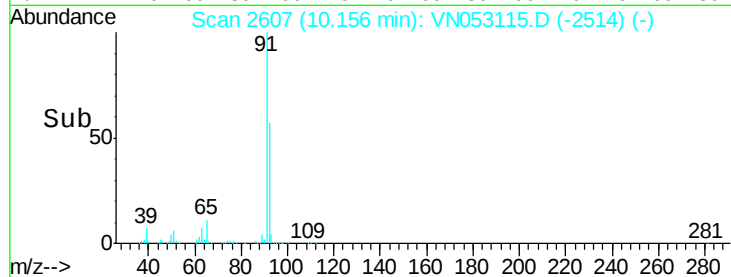
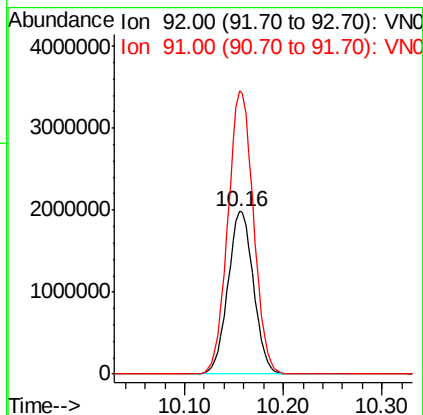
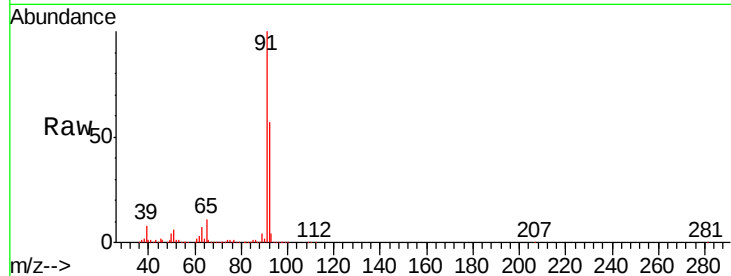
91 174.0 139.8 209.6

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053115.D

Acq: 21 Dec 2018 21:09

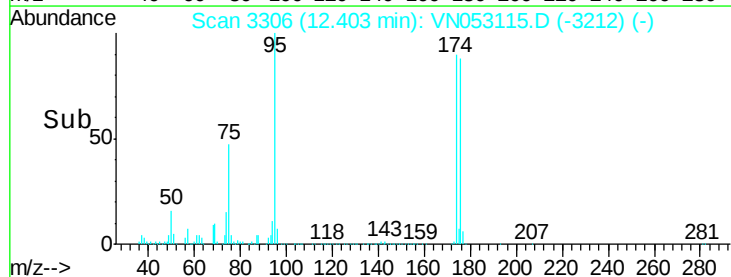
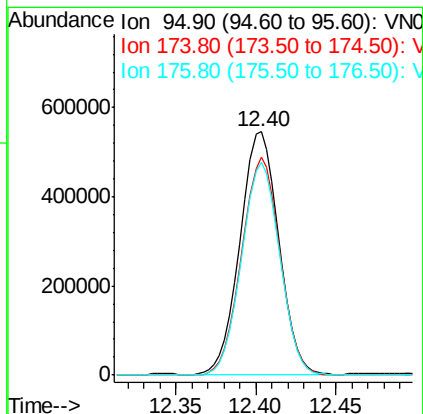
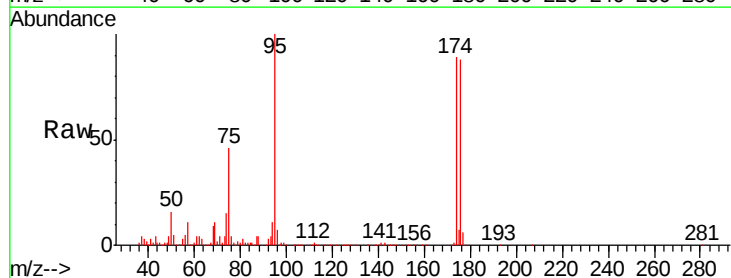
Tgt Ion: 95 Resp: 895487

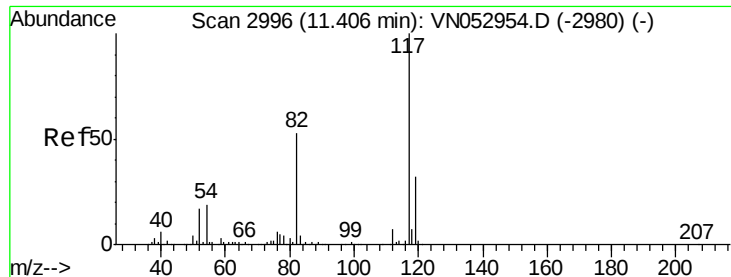
Ion Ratio Lower Upper

95 100

174 89.1 0.0 178.8

176 86.9 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN053115.D

Acq: 21 Dec 2018 21:09

Instrument :

MSVOA_N

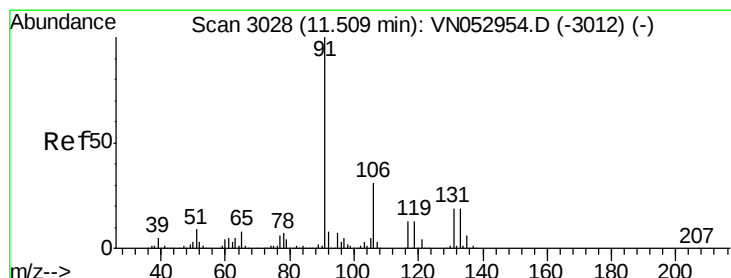
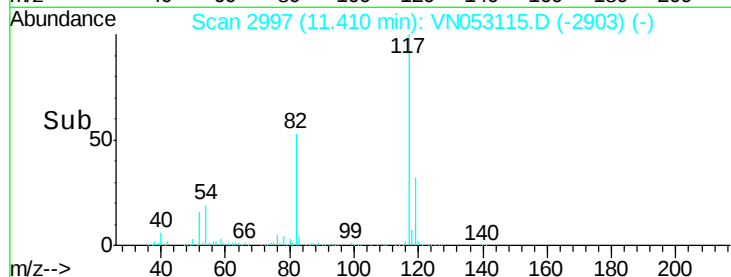
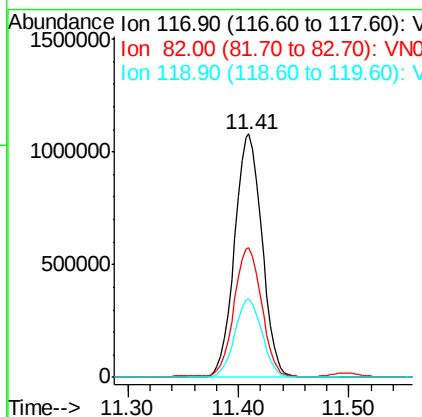
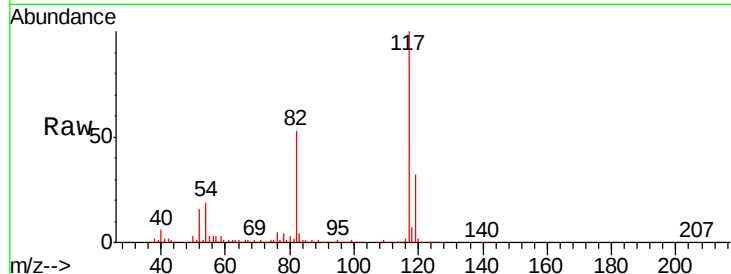
ClientSampleId :

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Tgt Ion:	117	Resp:	1858416
Ion	Ratio	Lower	Upper
117	100		
82	52.9	42.8	64.2
119	32.4	25.5	38.3

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12/22/2018 10:49:44 AM



#67

Ethyl Benzene

Concen: 80.977 ug/l

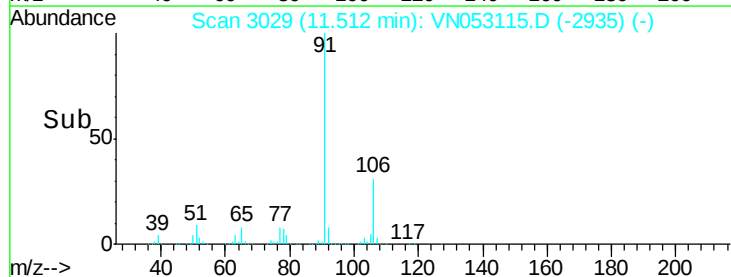
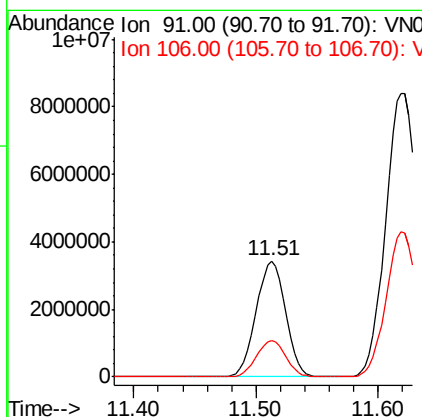
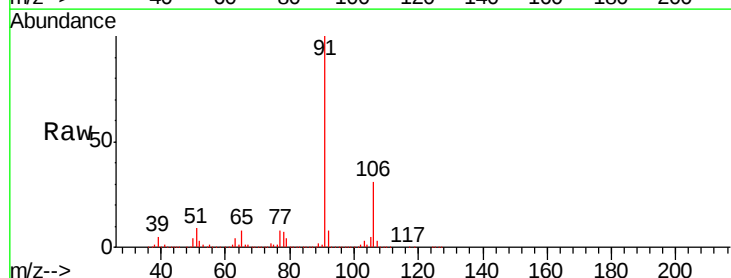
RT: 11.51 min Scan# 3029

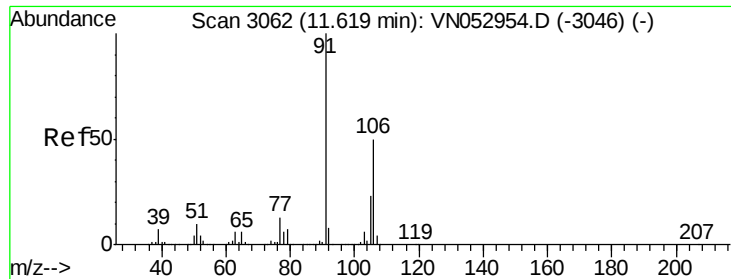
Delta R.T. 0.00 min

Lab File: VN053115.D

Acq: 21 Dec 2018 21:09

Tgt Ion:	91	Resp:	5736925
Ion	Ratio	Lower	Upper
91	100		
106	31.2	24.9	37.3





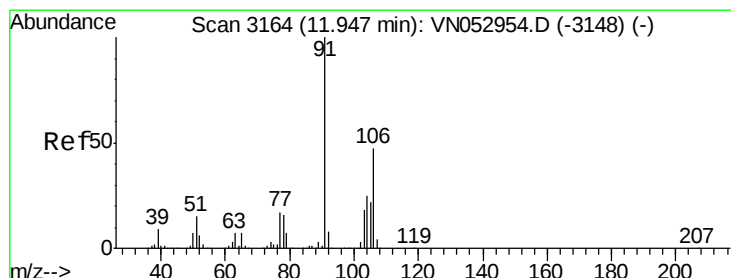
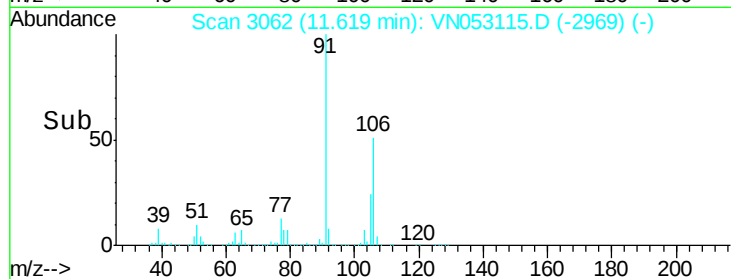
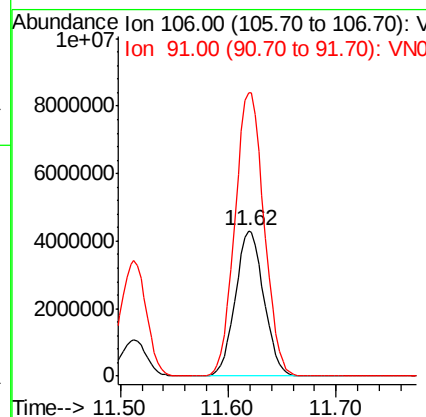
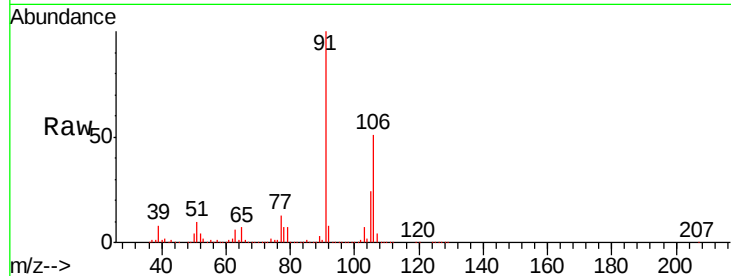
#68
m/p-Xylenes
Concen: 294.373 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN053115.D
Acq: 21 Dec 2018 21:09

Instrument :
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Tgt Ion:106 Resp: 7928238
Ion Ratio Lower Upper
106 100
91 199.7 162.2 243.4

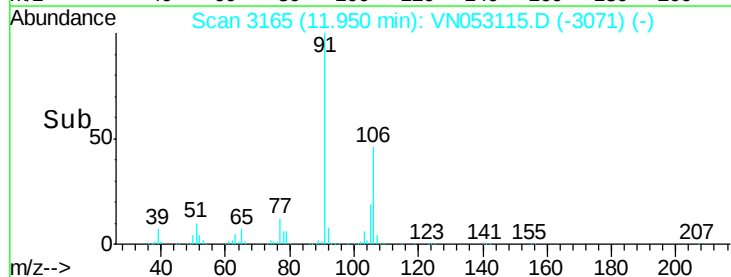
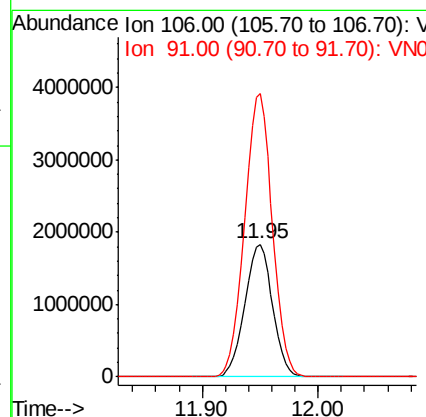
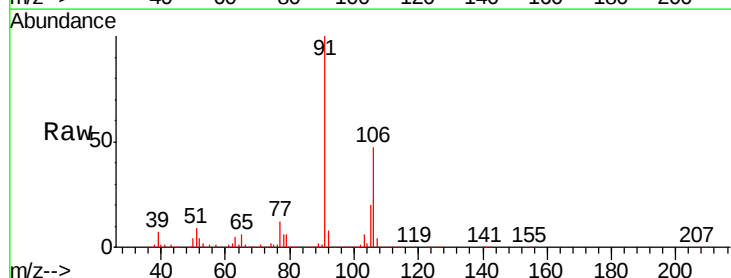
Manual Integrations
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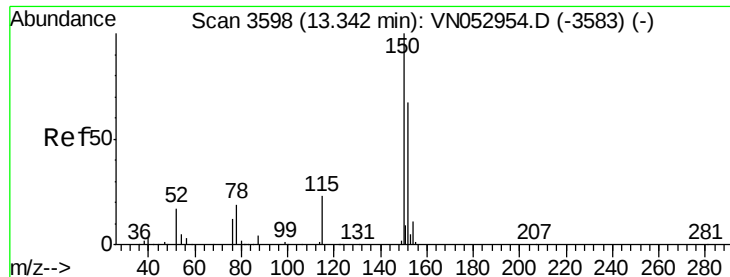
MMDadoda
12/22/2018 10:49:44 AM



#69
o-Xylene
Concen: 117.403 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN053115.D
Acq: 21 Dec 2018 21:09

Tgt Ion:106 Resp: 3034158
Ion Ratio Lower Upper
106 100
91 213.1 106.6 319.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053115.D

Acq: 21 Dec 2018 21:09

Instrument :

MSVOA_N

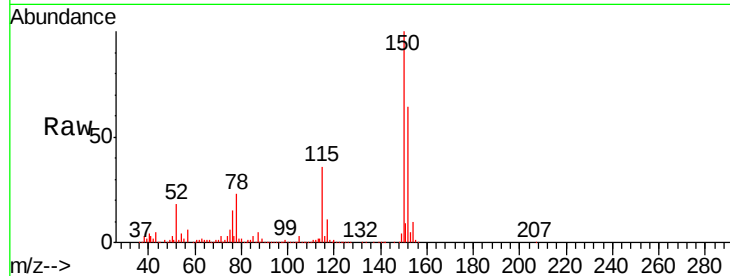
ClientSampleId :

KY001SB104-121218(18-20)ME

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	858094		
115	64.0	28.3	85.0	
150	156.3	0.0	347.8	

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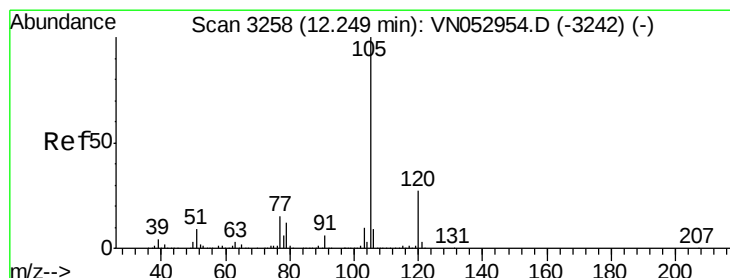
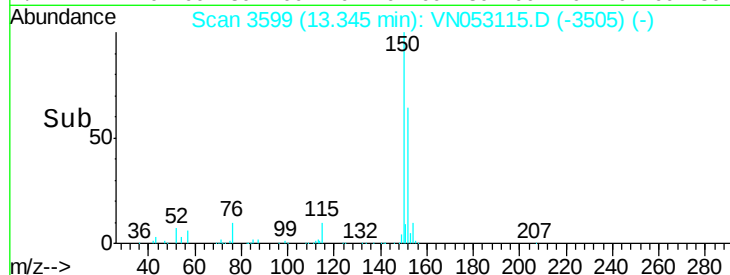
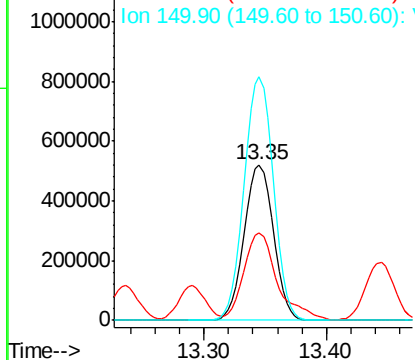
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 18.814 ug/l

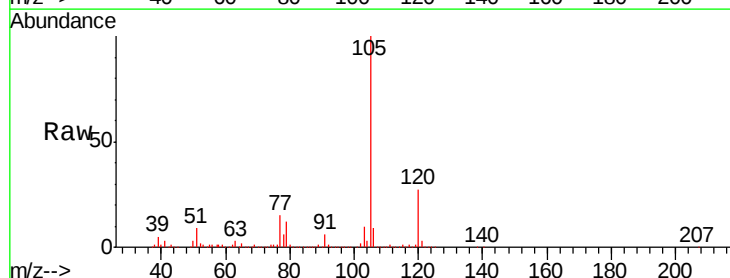
RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053115.D

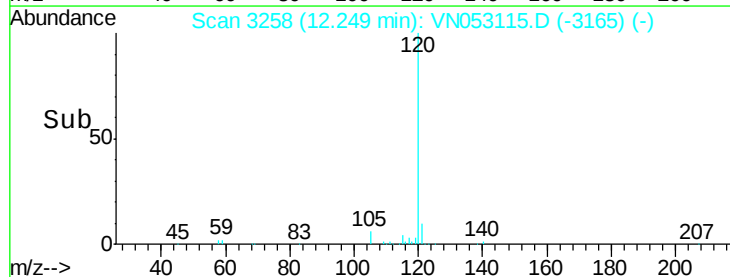
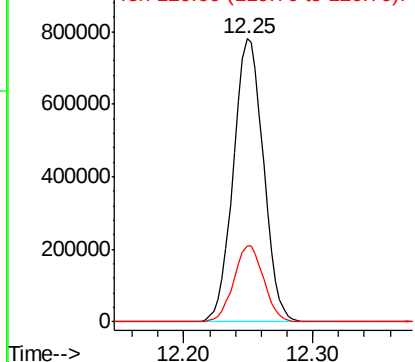
Acq: 21 Dec 2018 21:09

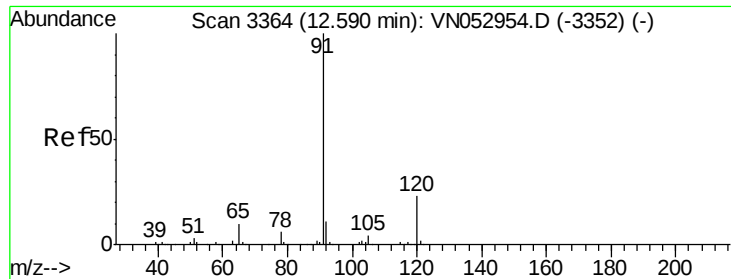
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1263168		
120	26.8	13.3	39.9	



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





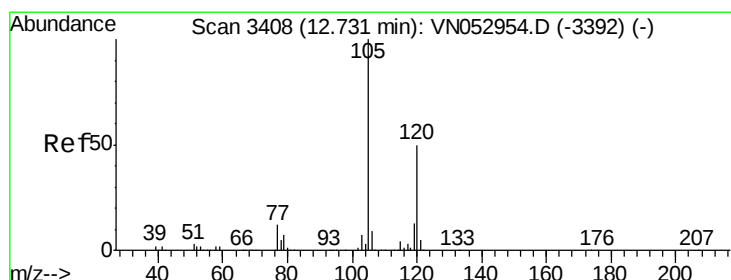
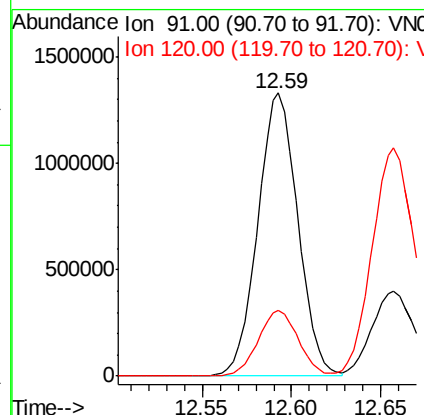
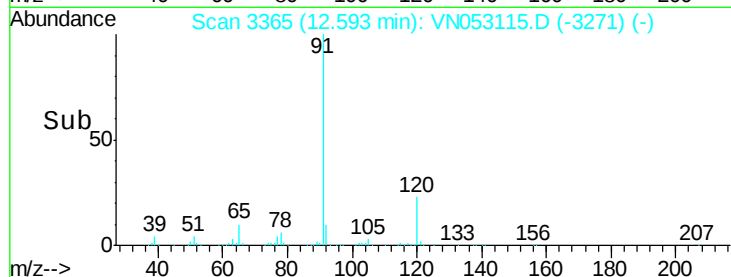
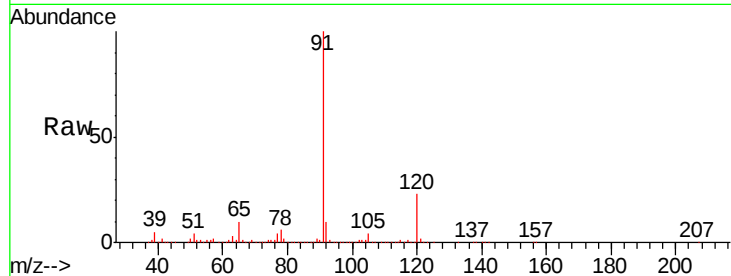
#78
n-propylbenzene
Concen: 27.271 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN053115.D
Acq: 21 Dec 2018 21:09

Instrument :
MSVOA_N
ClientSampleId :
KY001SB104-121218(18-20)ME

Tgt Ion: 91 Resp: 2085301
Ion Ratio Lower Upper
91 100
120 23.4 11.5 34.5

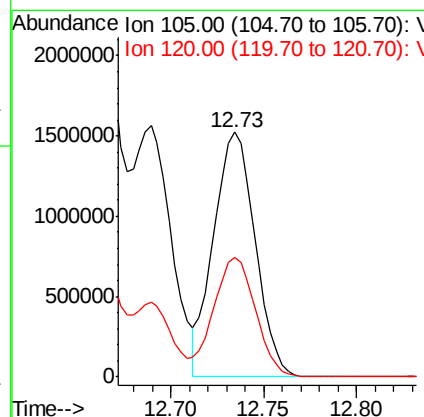
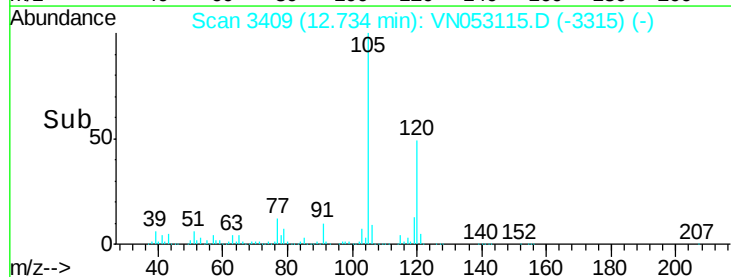
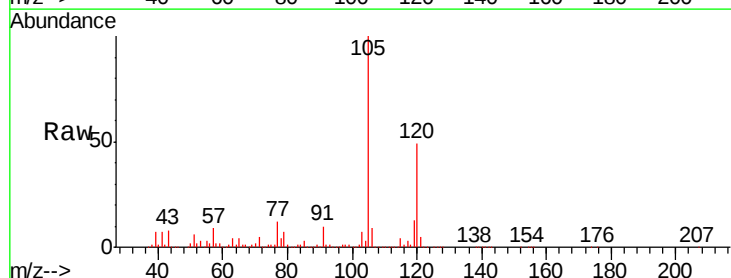
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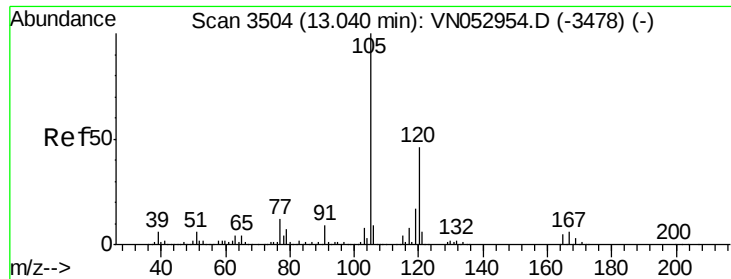
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#80
1,3,5-Trimethylbenzene
Concen: 43.241 ug/l
RT: 12.73 min Scan# 3409
Delta R.T. 0.00 min
Lab File: VN053115.D
Acq: 21 Dec 2018 21:09

Tgt Ion: 105 Resp: 2366303
Ion Ratio Lower Upper
105 100
120 49.9 24.4 73.2





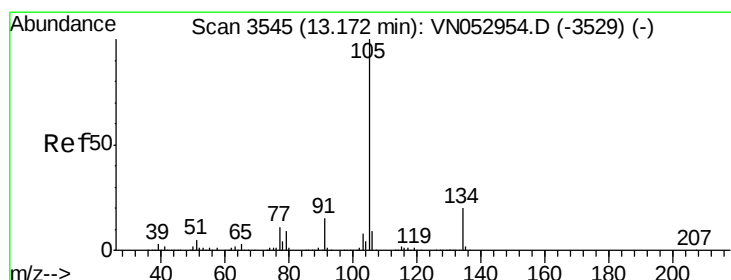
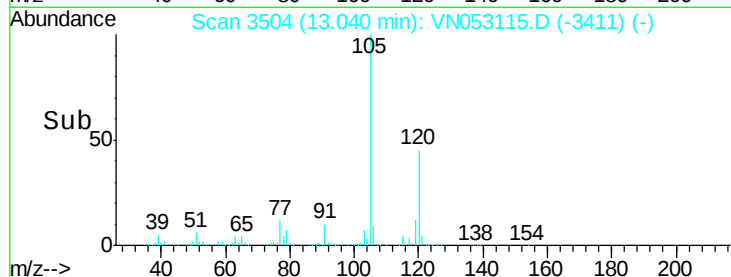
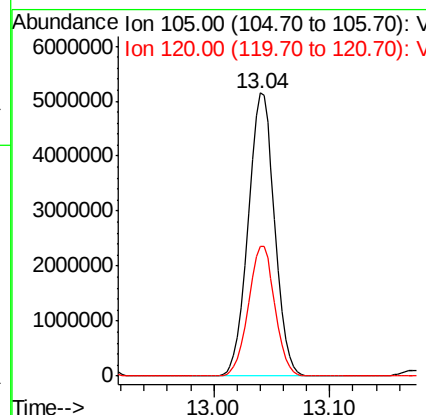
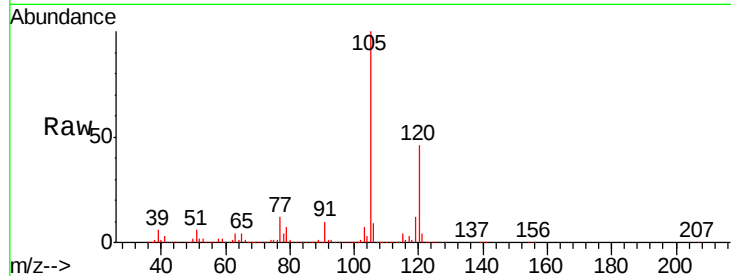
#84
 1,2,4-Trimethylbenzene
 Concen: 148.007 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN053115.D
 Acq: 21 Dec 2018 21:09

Instrument :
 MSVOA_N
 ClientSampleId :
 KY001SB104-121218(18-20)ME

Tgt Ion:105 Resp: 8142234
 Ion Ratio Lower Upper
 105 100
 120 46.0 22.9 68.8

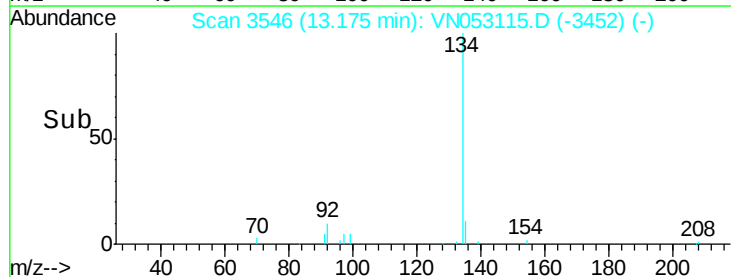
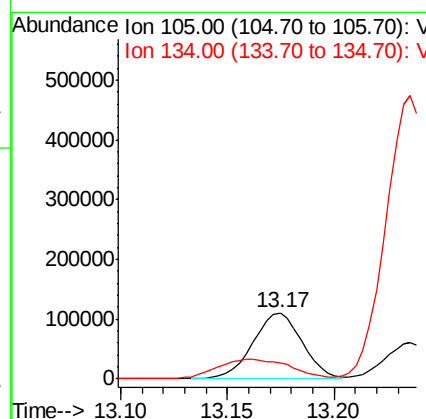
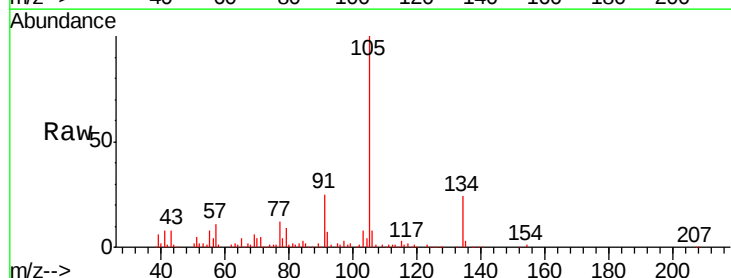
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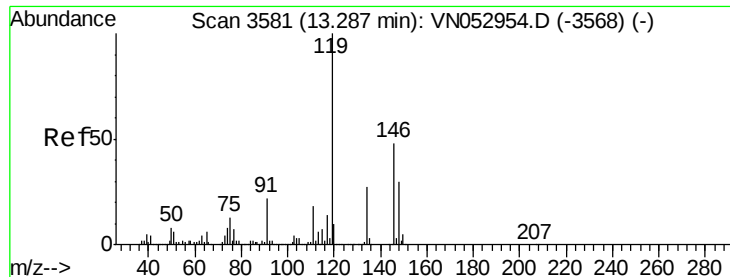
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#85
 sec-Butylbenzene
 Concen: 2.733 ug/l m
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN053115.D
 Acq: 21 Dec 2018 21:09

Tgt Ion:105 Resp: 178934
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.1 30.3#





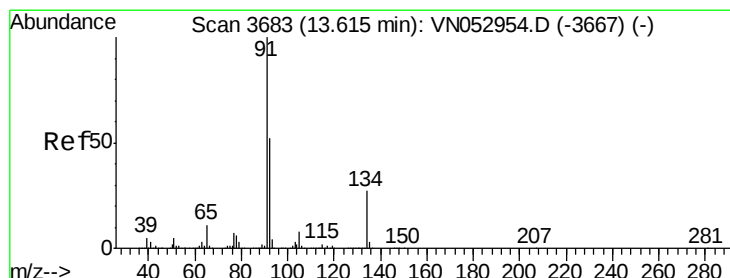
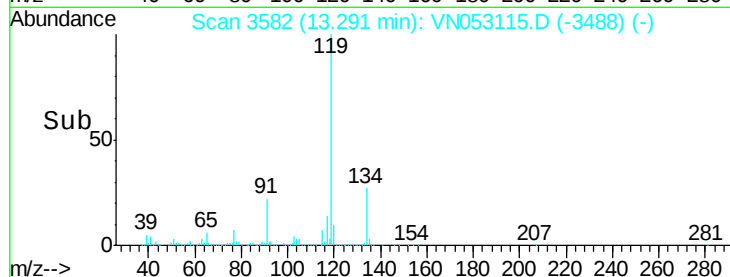
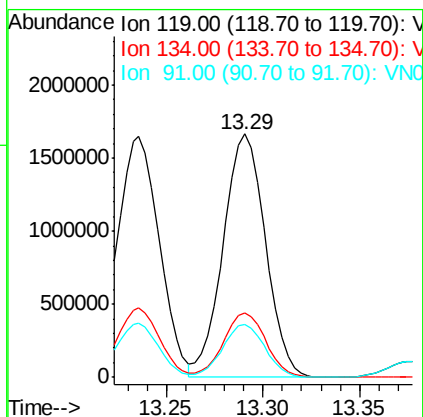
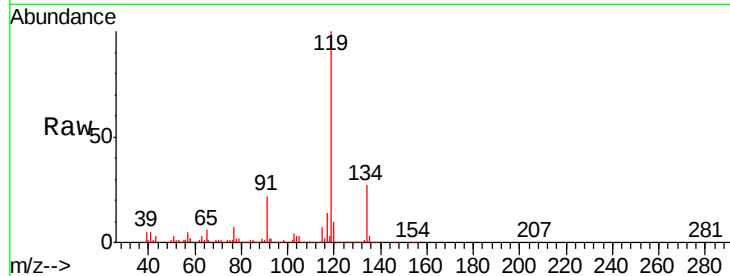
#86
p-Isopropyltoluene
Concen: 44.690 ug/l
RT: 13.29 min Scan# 3582
Delta R.T. 0.00 min
Lab File: VN053115.D
Acq: 21 Dec 2018 21:09

Instrument :
MSVOA_N
ClientSampleId :
KY001SB104-121218(18-20)ME

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.4	40.2
91	21.8	11.1	33.3

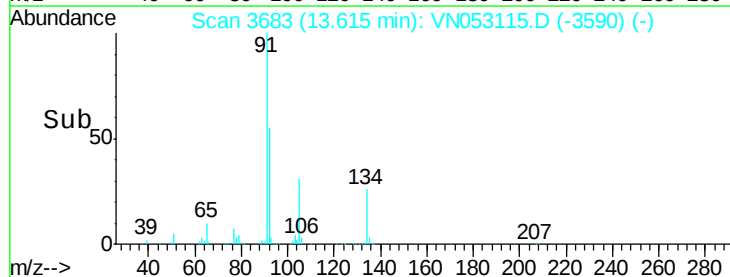
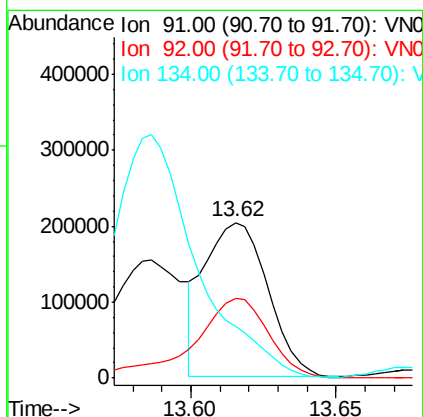
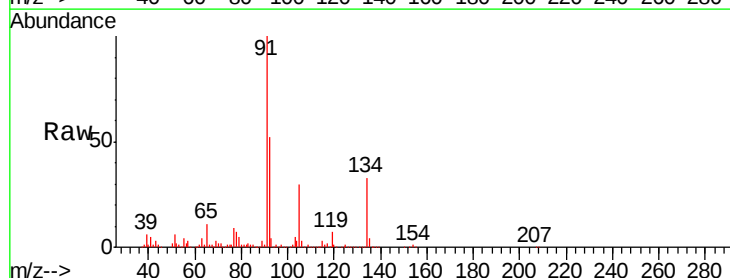
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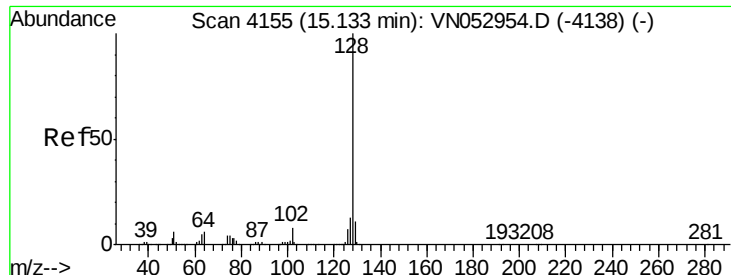
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#89
n-Butylbenzene
Concen: 6.263 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053115.D
Acq: 21 Dec 2018 21:09

Tgt Ion	Ratio	Lower	Upper
91	100		
92	61.8	26.3	78.9
134	0.0	13.3	39.8#





#95
Naphthalene
Concen: 19.927 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN053115.D
Acq: 21 Dec 2018 21:09

Instrument :
MSVOA_N
ClientSampleId :
KY001SB104-121218(18-20)ME

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	12.7	10.2	15.4
129	11.4	8.6	13.0

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