

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080718\
 Data File : VN050433.D
 Acq On : 7 Aug 2018 15:51
 Operator : MD\SY
 Sample : J4297-05ME
 Misc : 6.19g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-5ME

Manual Integrations
 APPROVED

MMDadoda
 8/8/2018 10:47:38 AM

Quant Time: Aug 08 10:40:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	810819	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1218945	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1088935	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	652452	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	483301	44.61	ug/l	0.00
Spiked Amount			Recovery	=	89.22%	
35) Dibromofluoromethane	7.59	113	438833	44.87	ug/l	0.00
Spiked Amount			Recovery	=	89.74%	
50) Toluene-d8	10.09	98	1757296	47.79	ug/l	0.00
Spiked Amount			Recovery	=	95.58%	
62) 4-Bromofluorobenzene	12.40	95	607500	48.47	ug/l	0.00
Spiked Amount			Recovery	=	96.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
39) Methylcyclohexane	9.08	83	300813	20.58	ug/l	99
52) Toluene	10.16	92	212554	8.59	ug/l	98
67) Ethyl Benzene	11.51	91	472506	10.71	ug/l	100
68) m/p-Xylenes	11.62	106	918859	54.70	ug/l	100
69) o-Xylene	11.95	106	448982	27.74	ug/l	99
73) Isopropylbenzene	12.25	105	318651	6.51	ug/l	98
78) n-propylbenzene	12.59	91	785616	14.17	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1538258	38.69	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	4869054	120.90	ug/l	100
85) sec-Butylbenzene	13.17	105	425559	9.21	ug/l #	73
86) p-Isopropyltoluene	13.29	119	467216	11.79	ug/l	99
89) n-Butylbenzene	13.62	91	739605	21.93	ug/l #	73
95) Naphthalene	15.14	128	2754318	84.49	ug/l #	94

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

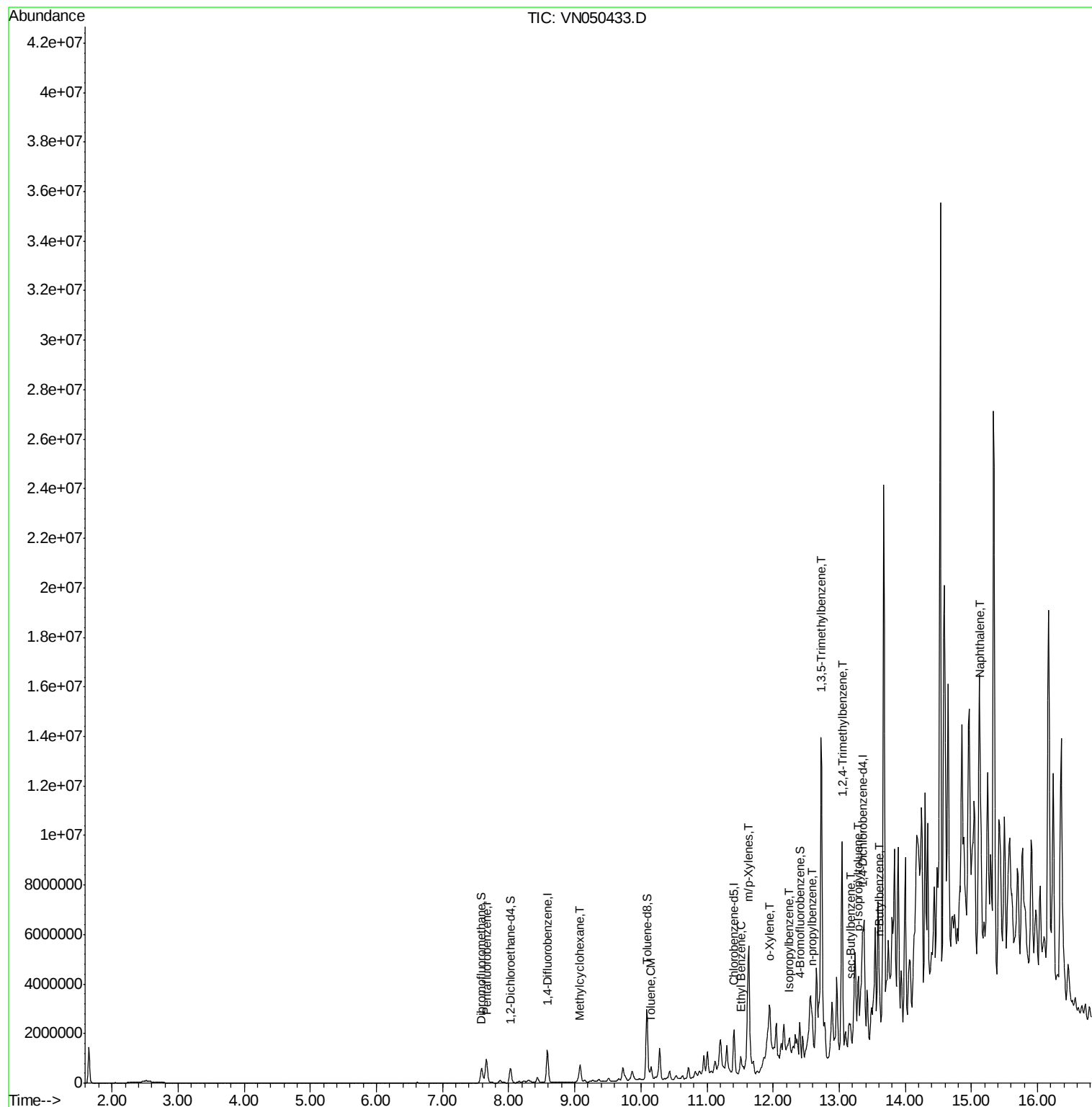
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN080718\
Data File : VN050433.D
Acq On : 7 Aug 2018 15:51
Operator : MD\SY
Sample : J4297-05ME
Misc : 6.19µ/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 12 Sample Multiplier: 1

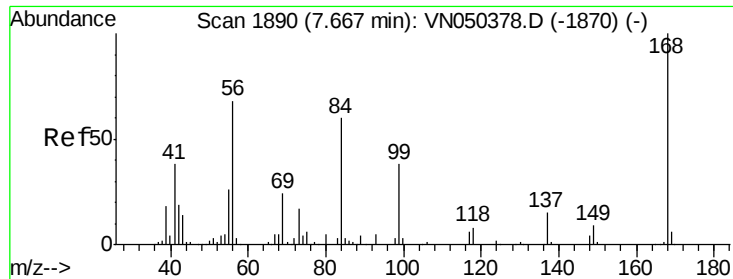
Instrument :
MSVOA_N
ClientSampleId :
TP-5ME

Manual Integrations
APPROVED

MMDadoda
8/8/2018 10:47:38 AM

Quant Time: Aug 08 10:40:26 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 07 05:22:15 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VN050433.D

Acq: 7 Aug 2018 15:51

Instrument :

MSVOA_N

ClientSampled :

TP-5ME

Tot Ion:168 Resp: 810819

Ion Ratio Lower Upper

168 100

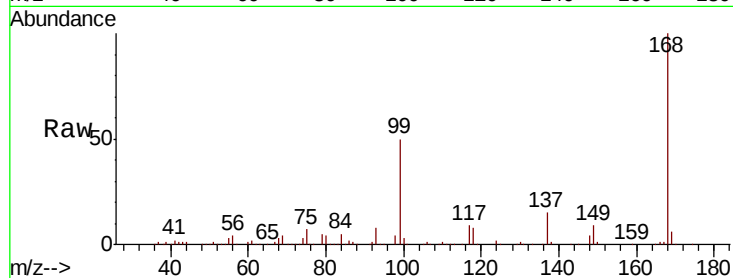
99 50.2 40.0 60.0

Manual Integrations

APPROVED

MMDadoda

8/8/2018 10:47:38 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

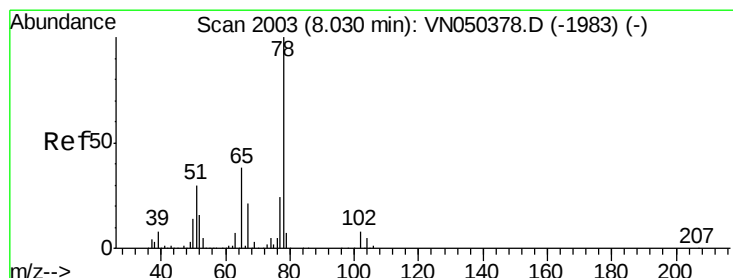
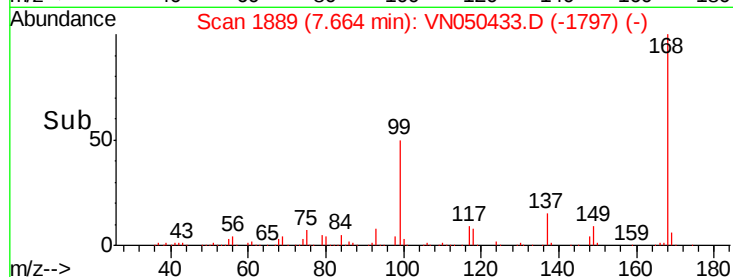
300000

200000

100000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 44.61 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. -0.00 min

Lab File: VN050433.D

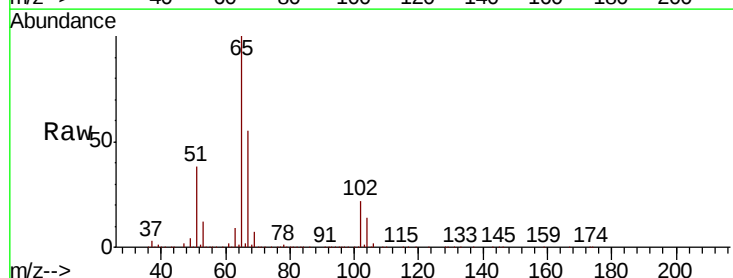
Acq: 7 Aug 2018 15:51

Tgt Ion: 65 Resp: 483301

Ion Ratio Lower Upper

65 100

67 54.4 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VNO

Ion 66.90 (66.60 to 67.60): VNO

8.03

200000

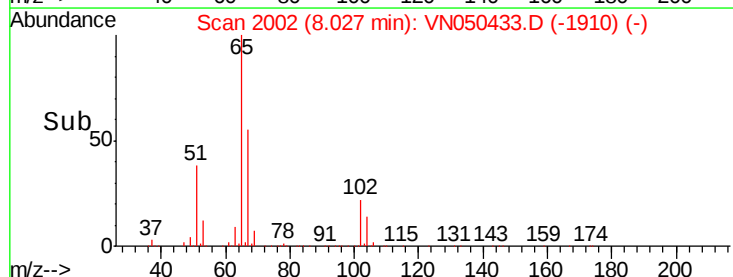
150000

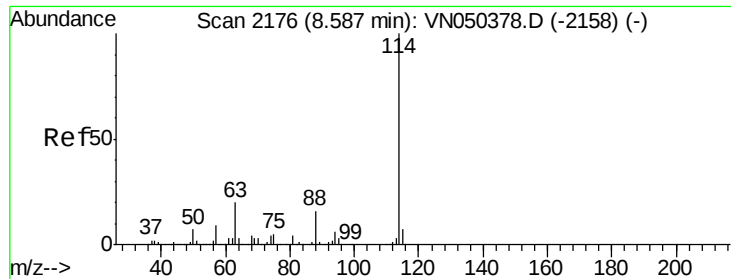
100000

50000

0

Time-->





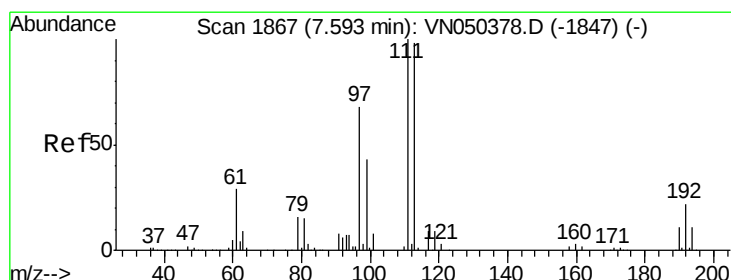
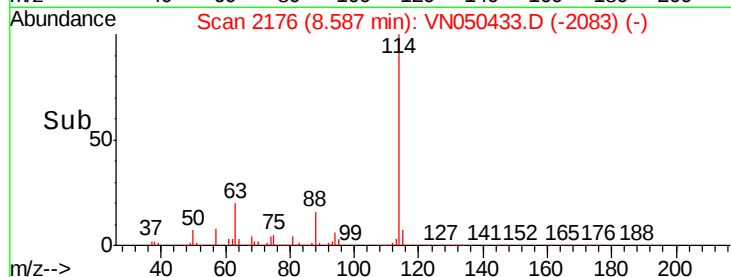
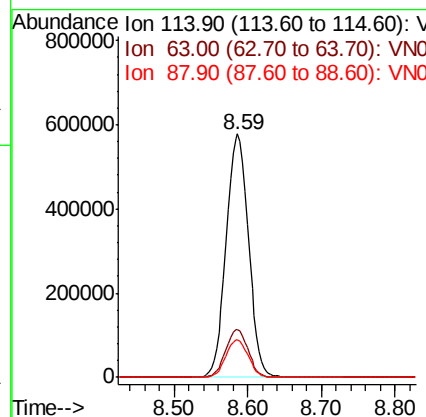
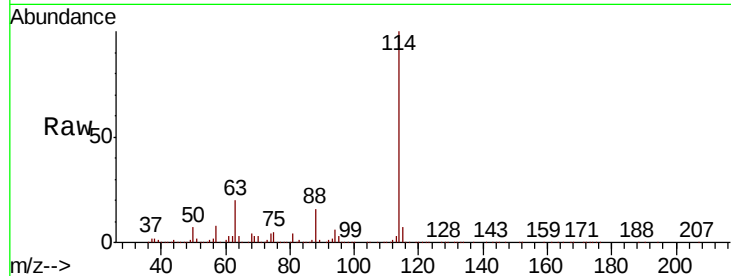
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050433.D
 Acq: 7 Aug 2018 15:51

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-5ME

Tot Ion	Ratio	Resp	Lower	Upper
114	100	1218945		
63	19.7		0.0	40.0
88	15.6		0.0	31.2

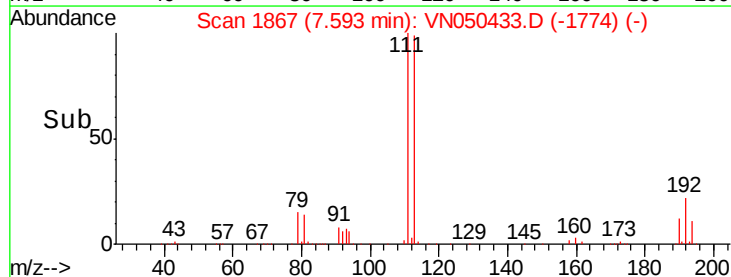
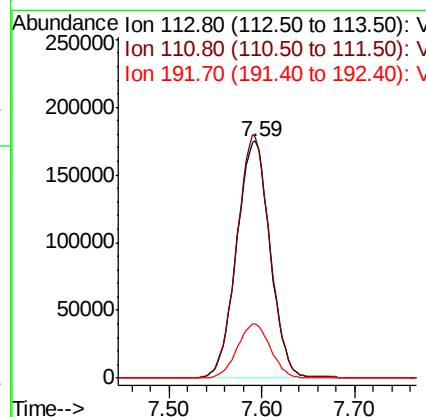
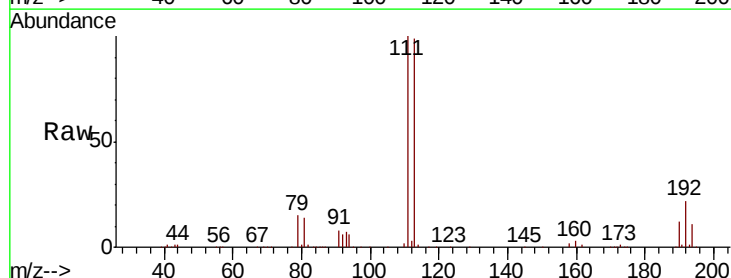
Manual Integrations
 APPROVED

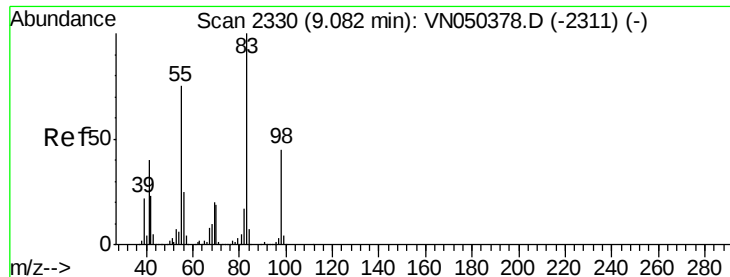
MMDadoda
 8/8/2018 10:47:38 AM



#35
 Dibromofluoromethane
 Concen: 44.87 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050433.D
 Acq: 7 Aug 2018 15:51

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	438833		
111	101.1		80.7	121.1
192	22.6		17.8	26.6





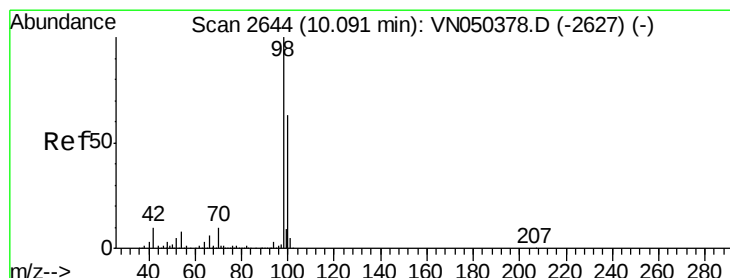
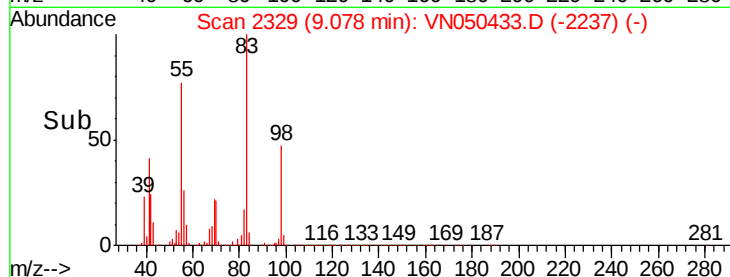
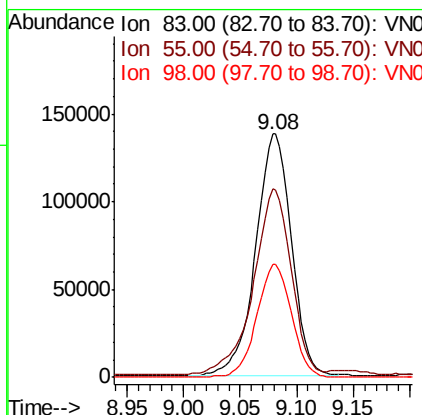
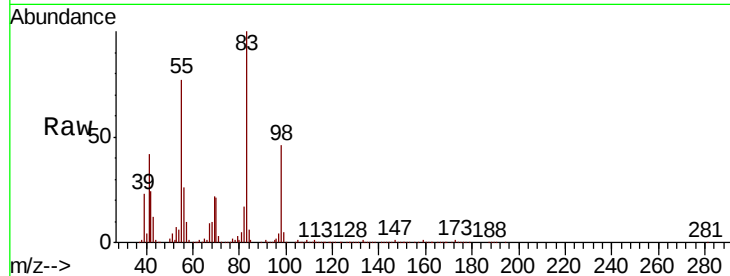
#39
Methvlcvclohexane
Concen: 20.58 ug/l
RT: 9.08 min Scan# 2329
Delta R.T. -0.00 min
Lab File: VN050433.D
Acq: 7 Aug 2018 15:51

Instrument :
MSVOA_N
ClientSampleId :
TP-5ME

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.4	61.8	92.8
98	46.6	36.5	54.7

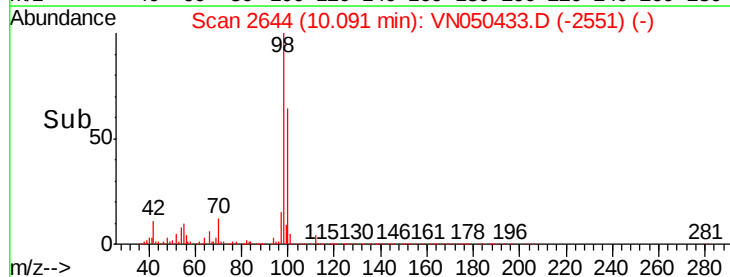
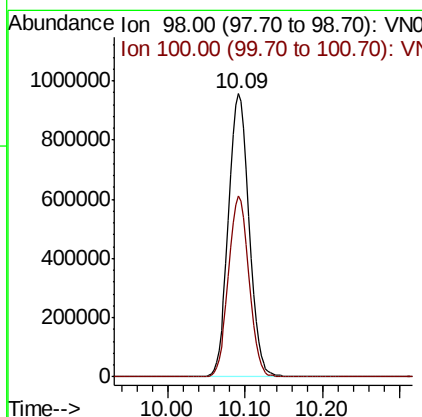
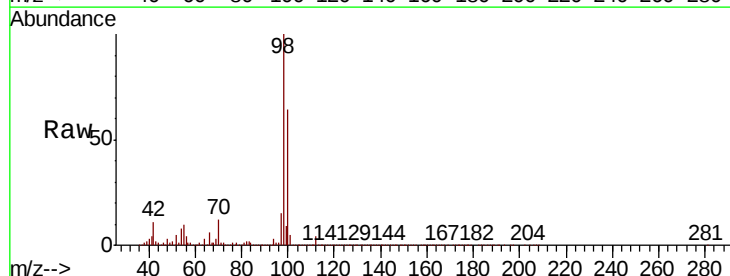
Manual Integrations
APPROVED

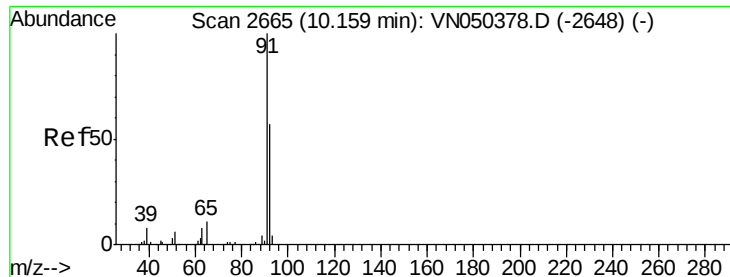
MMDadoda
8/8/2018 10:47:38 AM



#50
Toluene-d8
Concen: 47.79 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050433.D
Acq: 7 Aug 2018 15:51

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	50.7	76.1





#52

Toluene

Concen: 8.59 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050433.D

Acq: 7 Aug 2018 15:51

Instrument :

MSVOA_N

ClientSampleId :

TP-5ME

Tot Ion: 92 Resp: 212554

Ion Ratio Lower Upper

92 100

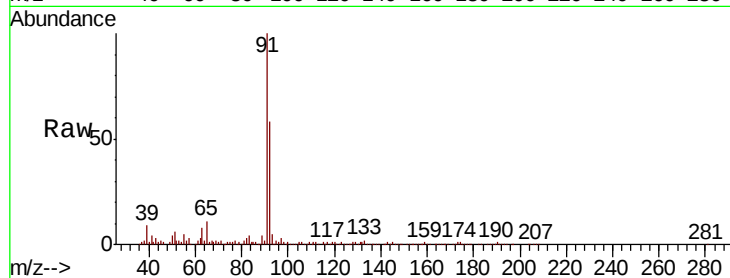
91 173.2 140.3 210.5

Manual Integrations

APPROVED

MMDadoda

8/8/2018 10:47:38 AM



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

200000

150000

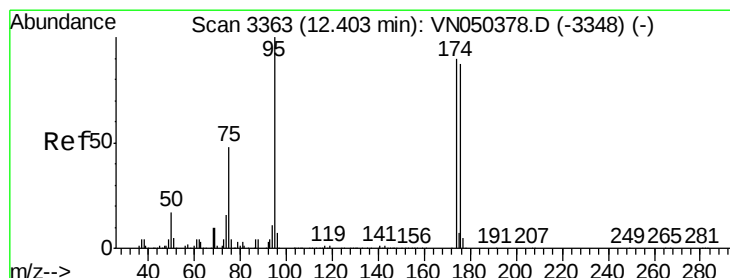
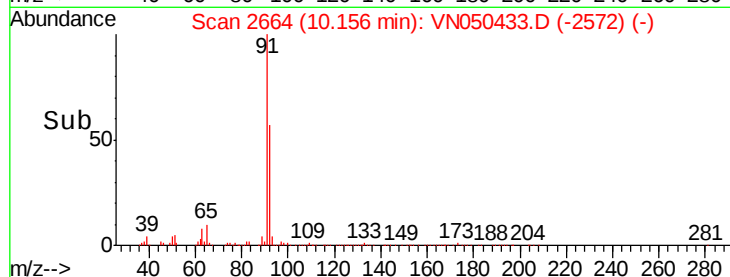
100000

50000

0

10.16

Time-->



#62

4-Bromofluorobenzene

Concen: 48.47 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN050433.D

Acq: 7 Aug 2018 15:51

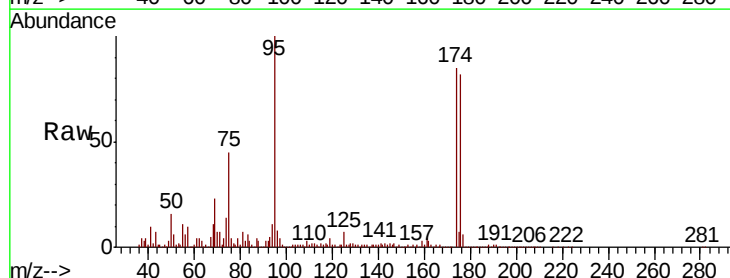
Tgt Ion: 95 Resp: 607500

Ion Ratio Lower Upper

95 100

174 86.0 0.0 178.2

176 84.1 0.0 173.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

500000

400000

300000

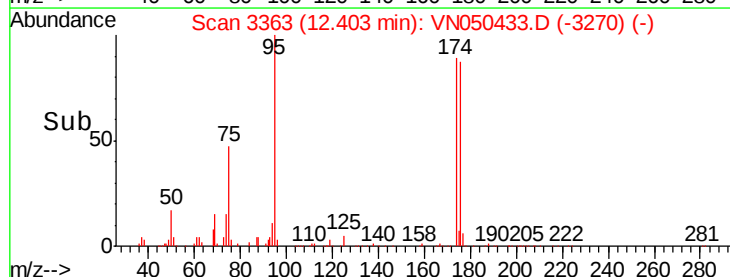
200000

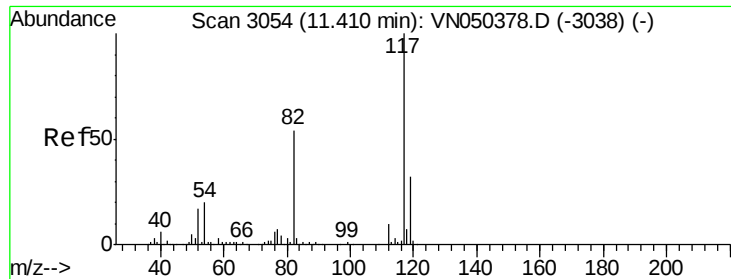
100000

0

12.40

Time-->





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN050433.D

Acq: 7 Aug 2018 15:51

Instrument :

MSVOA_N

ClientSampled :

TP-5ME

Tot Ion:117 Resp: 1088935

Ion Ratio Lower Upper

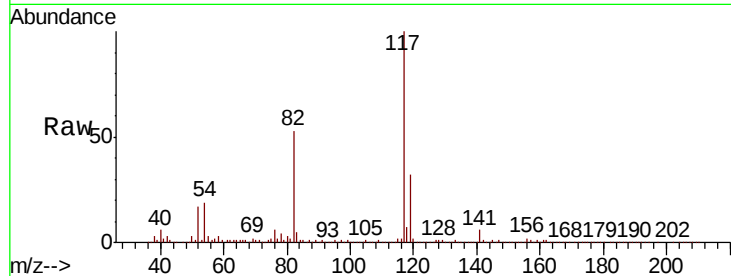
117 100

82 52.1 43.7 65.5

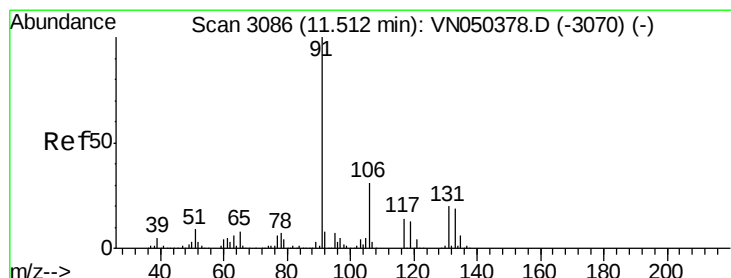
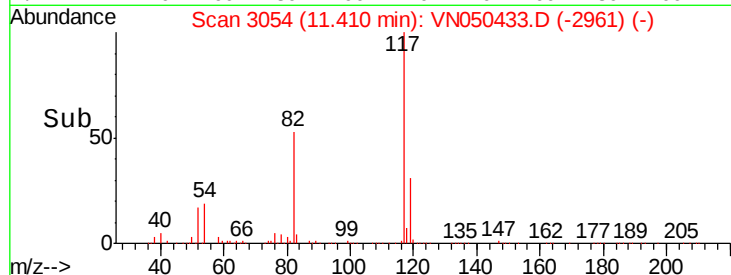
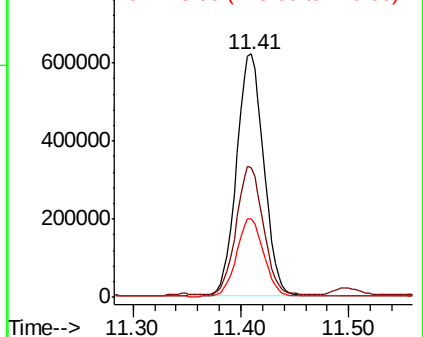
119 32.0 26.1 39.1

Manual Integrations
APPROVED

MMDadoda
8/8/2018 10:47:38 AM



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V



#67

Ethyl Benzene

Concen: 10.71 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VN050433.D

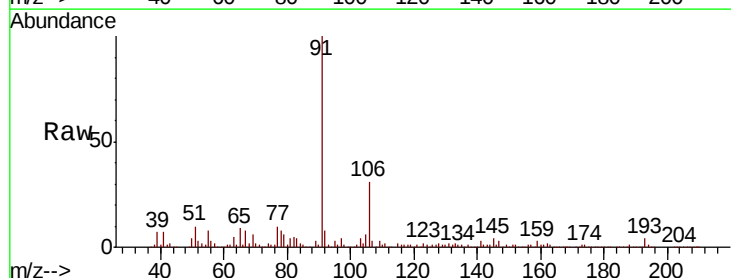
Acq: 7 Aug 2018 15:51

Tgt Ion: 91 Resp: 472506

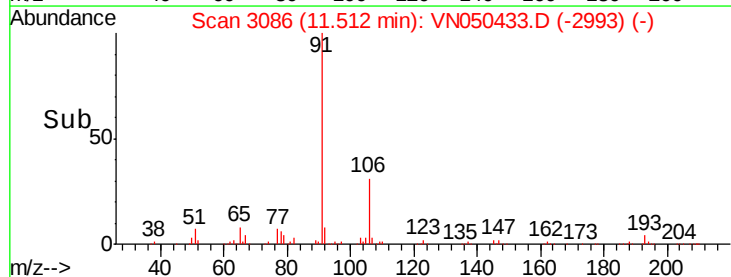
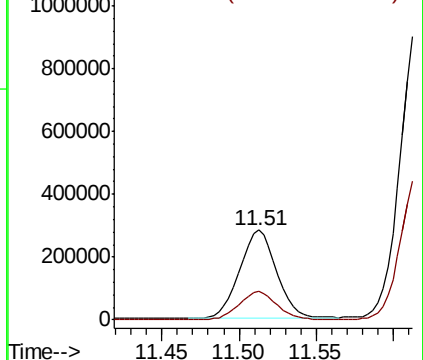
Ion Ratio Lower Upper

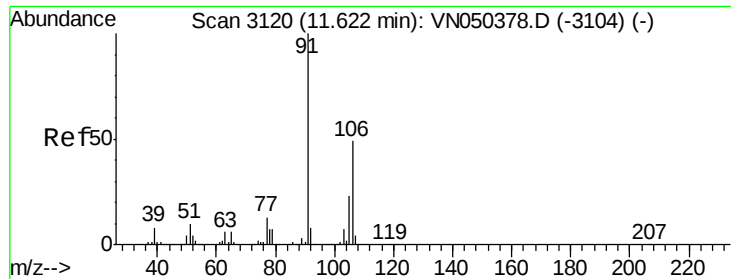
91 100

106 31.1 25.0 37.4



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





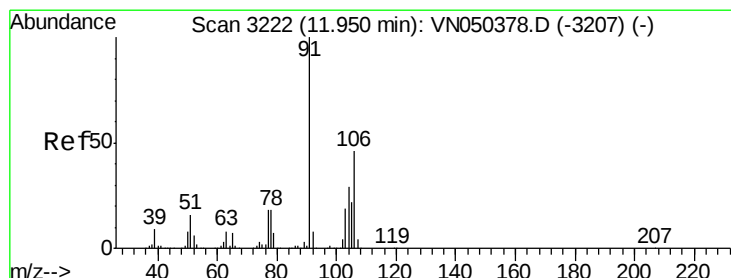
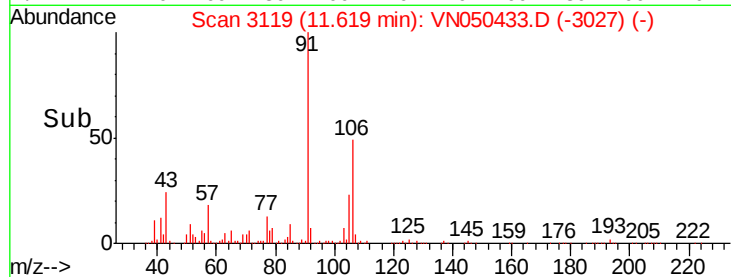
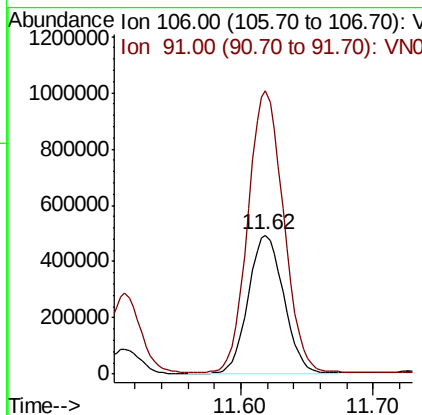
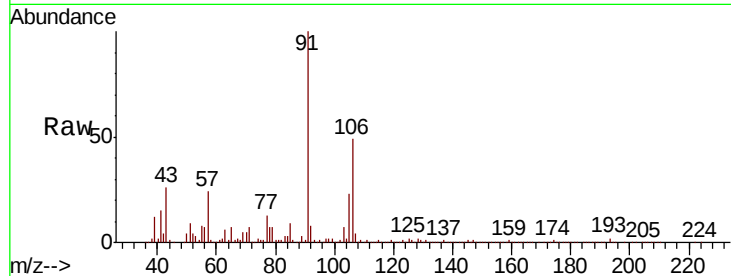
#68
m/p-Xylenes
Concen: 54.70 ug/l
RT: 11.62 min Scan# 3119
Delta R.T. -0.00 min
Lab File: VN050433.D
Acq: 7 Aug 2018 15:51

Instrument :
MSVOA_N
ClientSampled :
TP-5ME

Tot Ion:106 Resp: 918859
Ion Ratio Lower Upper
106 100
91 203.0 162.2 243.2

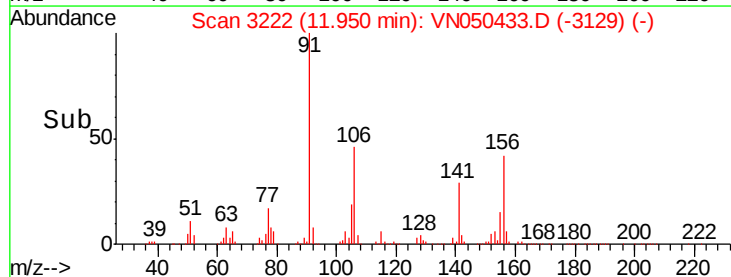
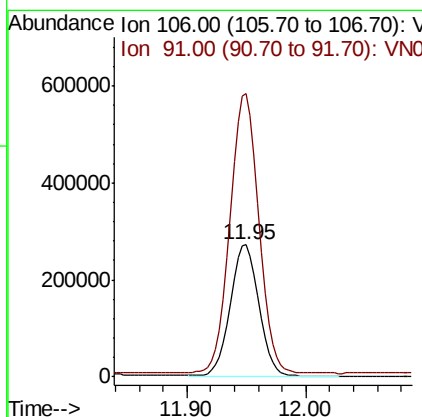
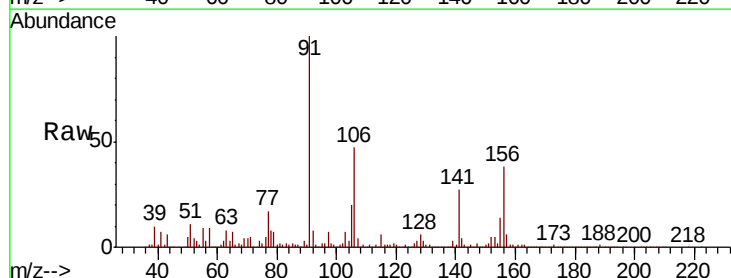
Manual Integrations
APPROVED

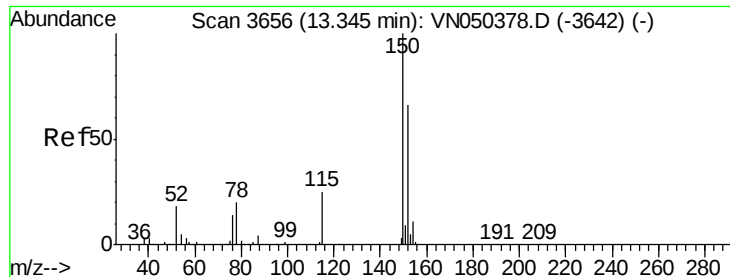
MMDadoda
8/8/2018 10:47:38 AM



#69
o-Xylene
Concen: 27.74 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN050433.D
Acq: 7 Aug 2018 15:51

Tgt Ion:106 Resp: 448982
Ion Ratio Lower Upper
106 100
91 213.9 107.7 323.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN050433.D

Acq: 7 Aug 2018 15:51

Instrument :

MSVOA_N

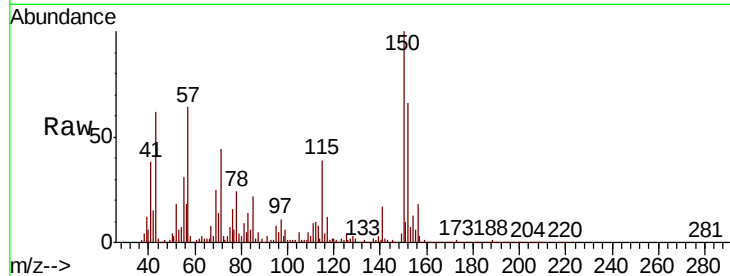
ClientSampled :

TP-5ME

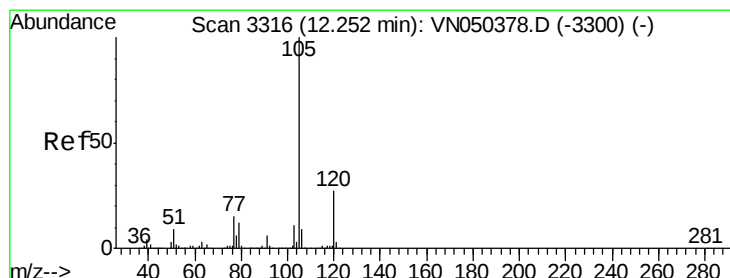
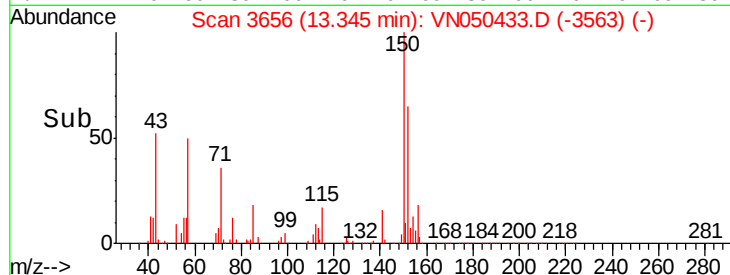
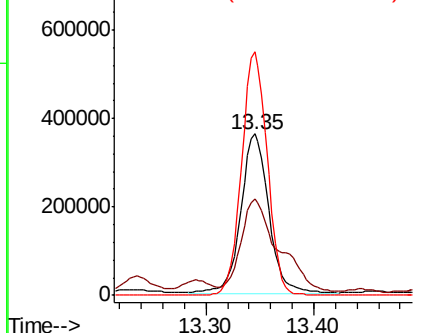
Tot Ion:	152	Resp:	652452
Ion Ratio	Lower	Upper	
152	100		
115	78.3	27.8	83.3
150	138.3	0.0	348.6

Manual Integrations
APPROVED

MMDadoda
8/8/2018 10:47:38 AM



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: 6.51 ug/l

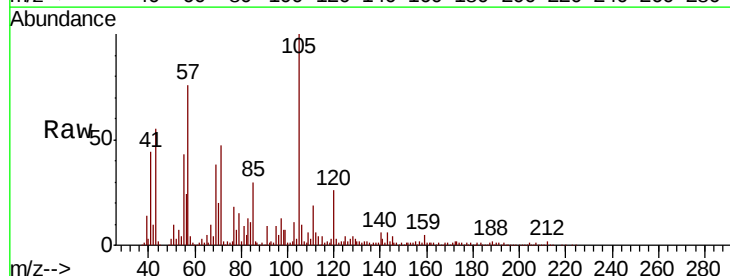
RT: 12.25 min Scan# 3316

Delta R.T. -0.00 min

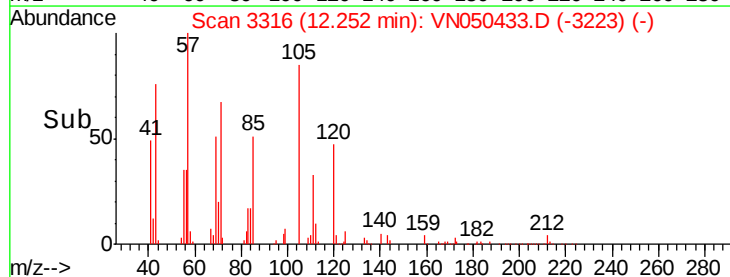
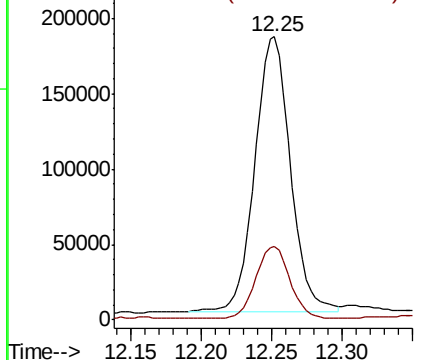
Lab File: VN050433.D

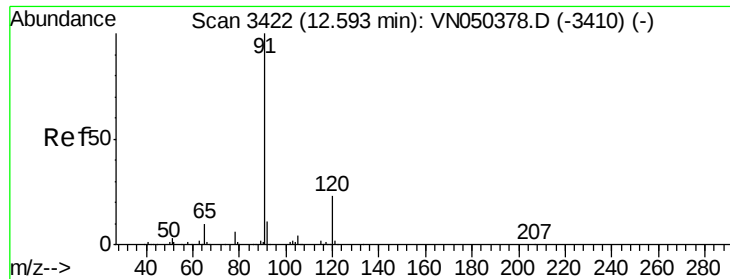
Acq: 7 Aug 2018 15:51

Tgt Ion:	105	Resp:	318651
Ion Ratio	Lower	Upper	
105	100		
120	25.7	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: 14.17 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN050433.D

Acq: 7 Aug 2018 15:51

Instrument :

MSVOA_N

ClientSampled :

TP-5ME

Tot Ion: 91 Resp: 785616

Ion Ratio Lower Upper

91 100

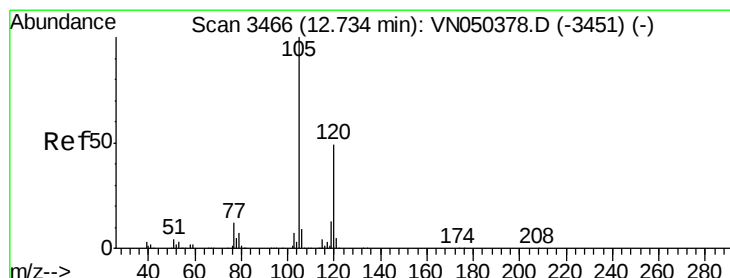
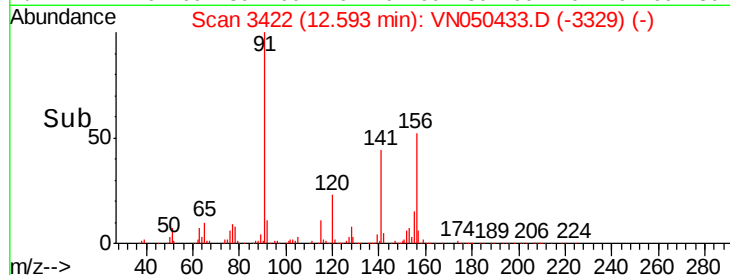
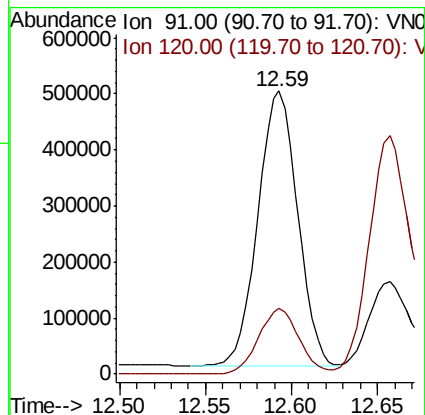
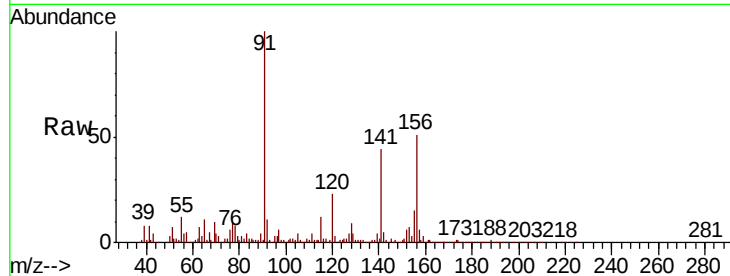
120 23.8 11.6 34.7

Manual Integrations

APPROVED

MMDadoda

8/8/2018 10:47:38 AM



#80

1,3,5-Trimethylbenzene

Concen: 38.69 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050433.D

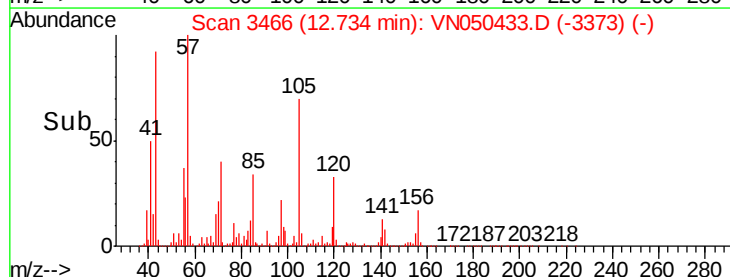
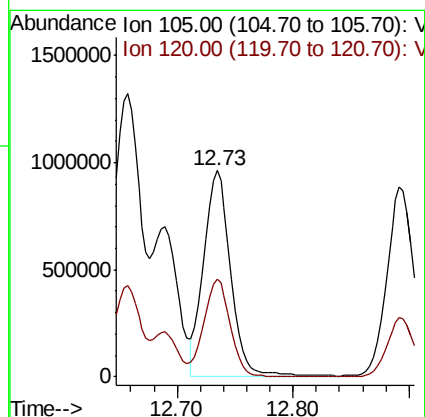
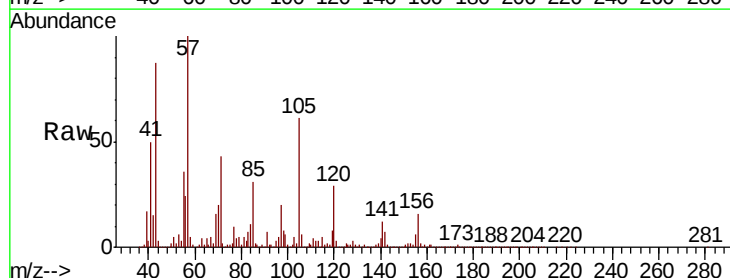
Acq: 7 Aug 2018 15:51

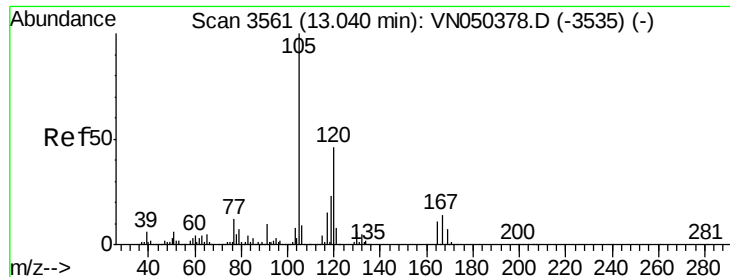
Tgt Ion: 105 Resp: 1538258

Ion Ratio Lower Upper

105 100

120 46.3 24.4 73.2





#84

1,2,4-Trimethylbenzene

Concen: 120.90 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN050433.D

Acq: 7 Aug 2018 15:51

Instrument :

MSVOA_N

ClientSampled :

TP-5ME

Tot Ion:105 Resp: 4869054

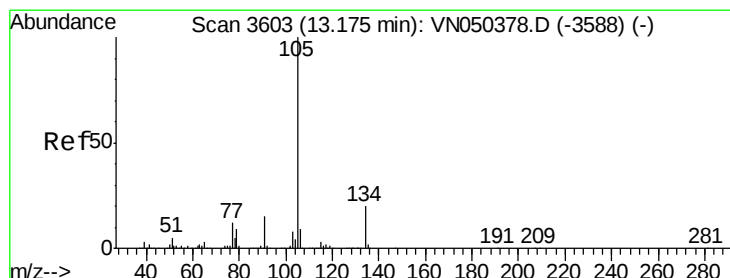
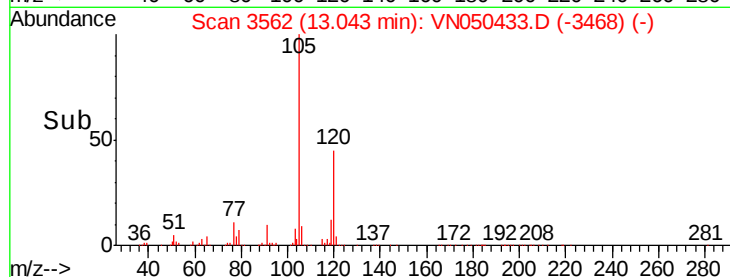
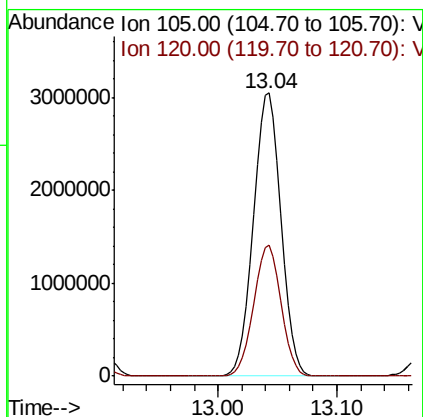
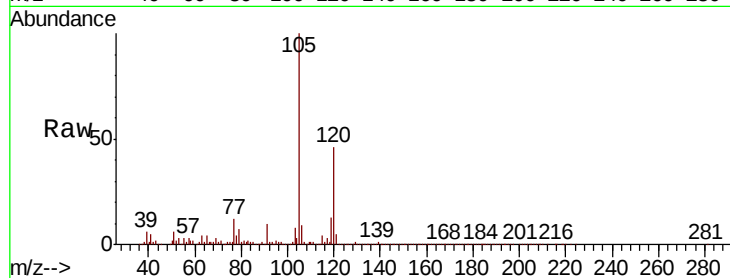
Ion Ratio Lower Upper

105 100

120 45.9 22.9 68.7

Manual Integrations
APPROVED

MMDadoda
8/8/2018 10:47:38 AM



#85

sec-Butylbenzene

Concen: 9.21 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN050433.D

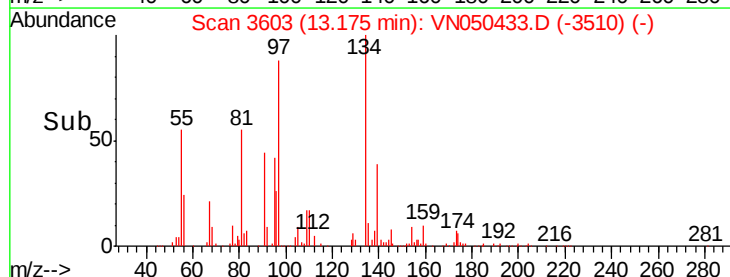
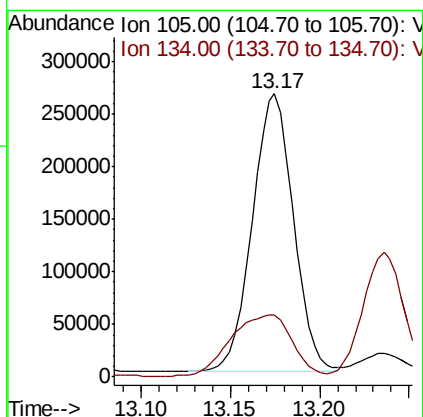
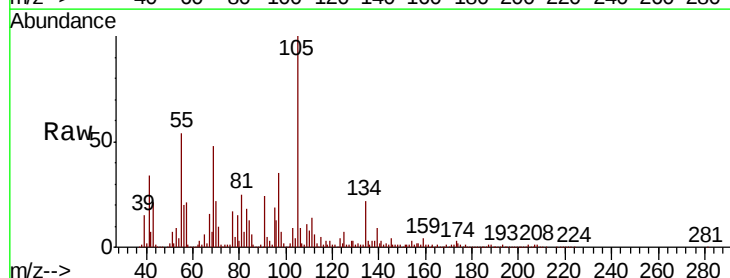
Acq: 7 Aug 2018 15:51

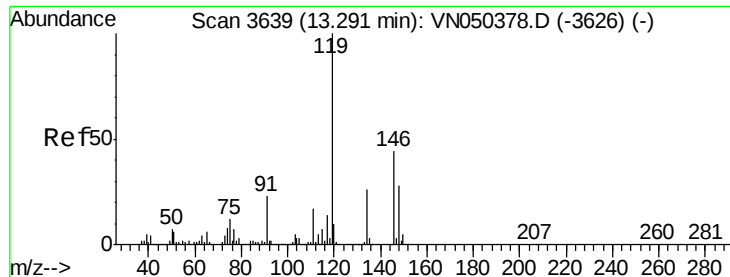
Tgt Ion:105 Resp: 425559

Ion Ratio Lower Upper

105 100

134 32.4 10.1 30.1#





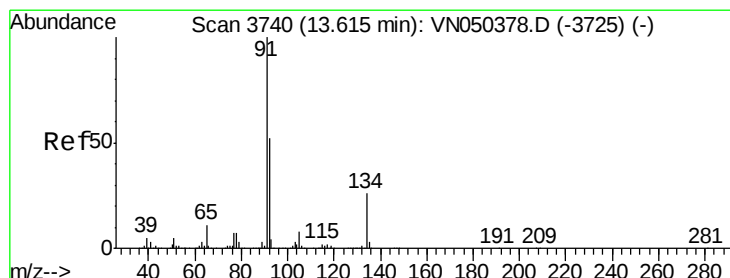
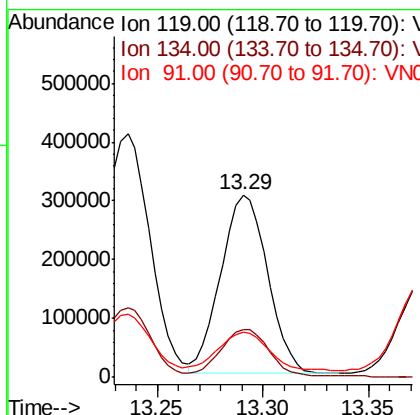
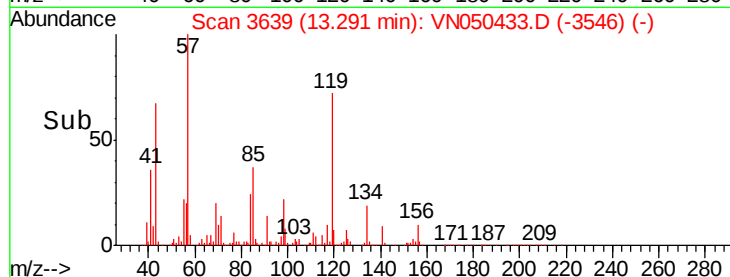
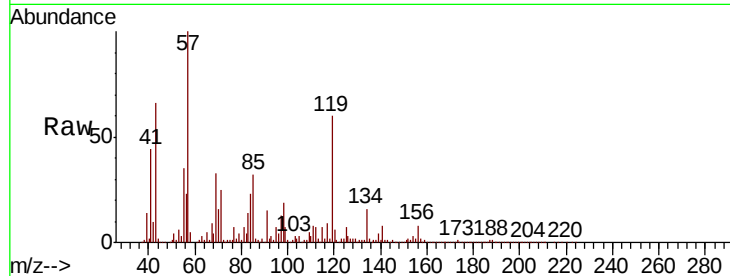
#86
p-Isopropyltoluene
Concen: 11.79 ug/l
RT: 13.29 min Scan# 3639
Delta R.T. -0.00 min
Lab File: VN050433.D
Acq: 7 Aug 2018 15:51

Instrument :
MSVOA_N
ClientSampled :
TP-5ME

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.3	39.8
91	22.1	11.4	34.2

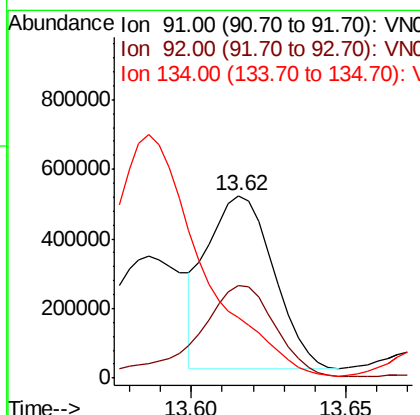
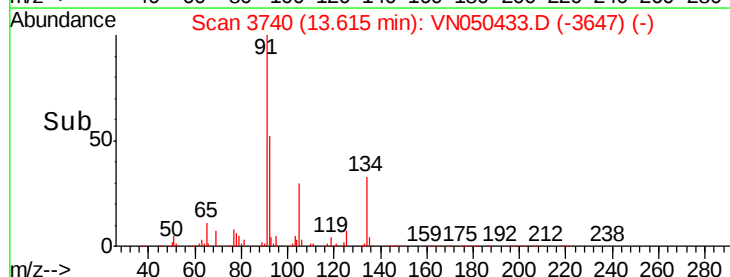
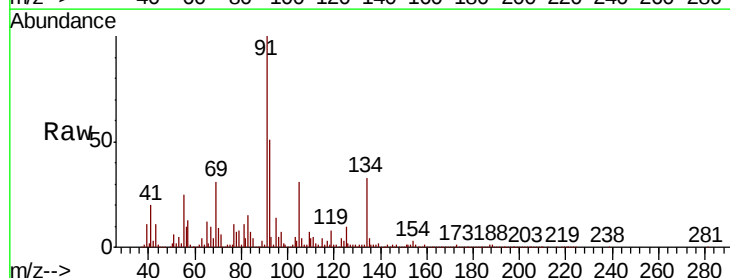
Manual Integrations
APPROVED

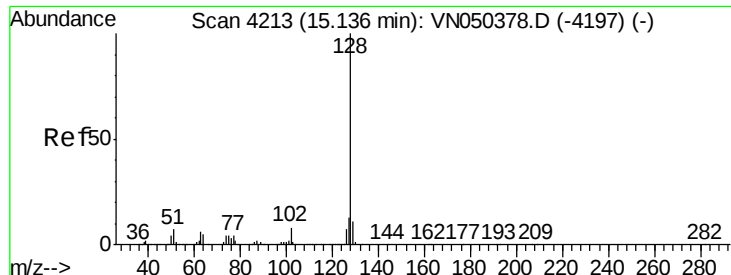
MMDadoda
8/8/2018 10:47:38 AM



#89
n-Butylbenzene
Concen: 21.93 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050433.D
Acq: 7 Aug 2018 15:51

Tgt Ion	Ratio	Lower	Upper
91	100		
92	62.5	25.8	77.4
134	0.0	12.8	38.4#





#95
Naphthalene
Concen: 84.49 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050433.D
Acq: 7 Aug 2018 15:51

Instrument :
MSVOA_N
ClientSampleId :
TP-5ME

Tot Ion	Ratio	Lower	Upper
128	100		
127	15.2	10.4	15.6
129	13.3	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/8/2018 10:47:38 AM

