

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061418\
 Data File : VN049231.D
 Acq On : 14 Jun 2018 16:42
 Operator : MD\SY
 Sample : J3435-03DL 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW10DL

Manual Integrations
 APPROVED

apatel
 6/15/2018 1:44:28 PM

Quant Time: Jun 15 11:31:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061318W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 14 05:15:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	640598	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1178742	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1231158	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	479592	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	413910	40.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.04%	
35) Dibromofluoromethane	7.59	113	371883	38.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.24%	
50) Toluene-d8	10.09	98	1473667	38.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.66%	
62) 4-Bromofluorobenzene	12.40	95	566515	44.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.94%	
Target Compounds						
25) 2-Butanone	6.86	43	14324	4.047	ug/l	97
31) Cyclohexane	7.65	56	299914	19.268	ug/l	95
39) Methylcyclohexane	9.08	83	115933	7.621	ug/l	94
52) Toluene	10.16	92	73958	2.849	ug/l	99
67) Ethyl Benzene	11.51	91	2213537	40.399	ug/l	99
68) m/p-Xylenes	11.63	106	554317	27.665	ug/l	99
69) o-Xylene	11.95	106	187486	9.716	ug/l	96
73) Isopropylbenzene	12.25	105	110757	2.404	ug/l	99
78) n-propylbenzene	12.59	91	250690	4.899	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	118877	3.366	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	854369	24.337	ug/l	100
89) n-Butylbenzene	13.62	91	14430m	2.042	ug/l	
95) Naphthalene	15.14	128	167907	14.404	ug/l	98

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

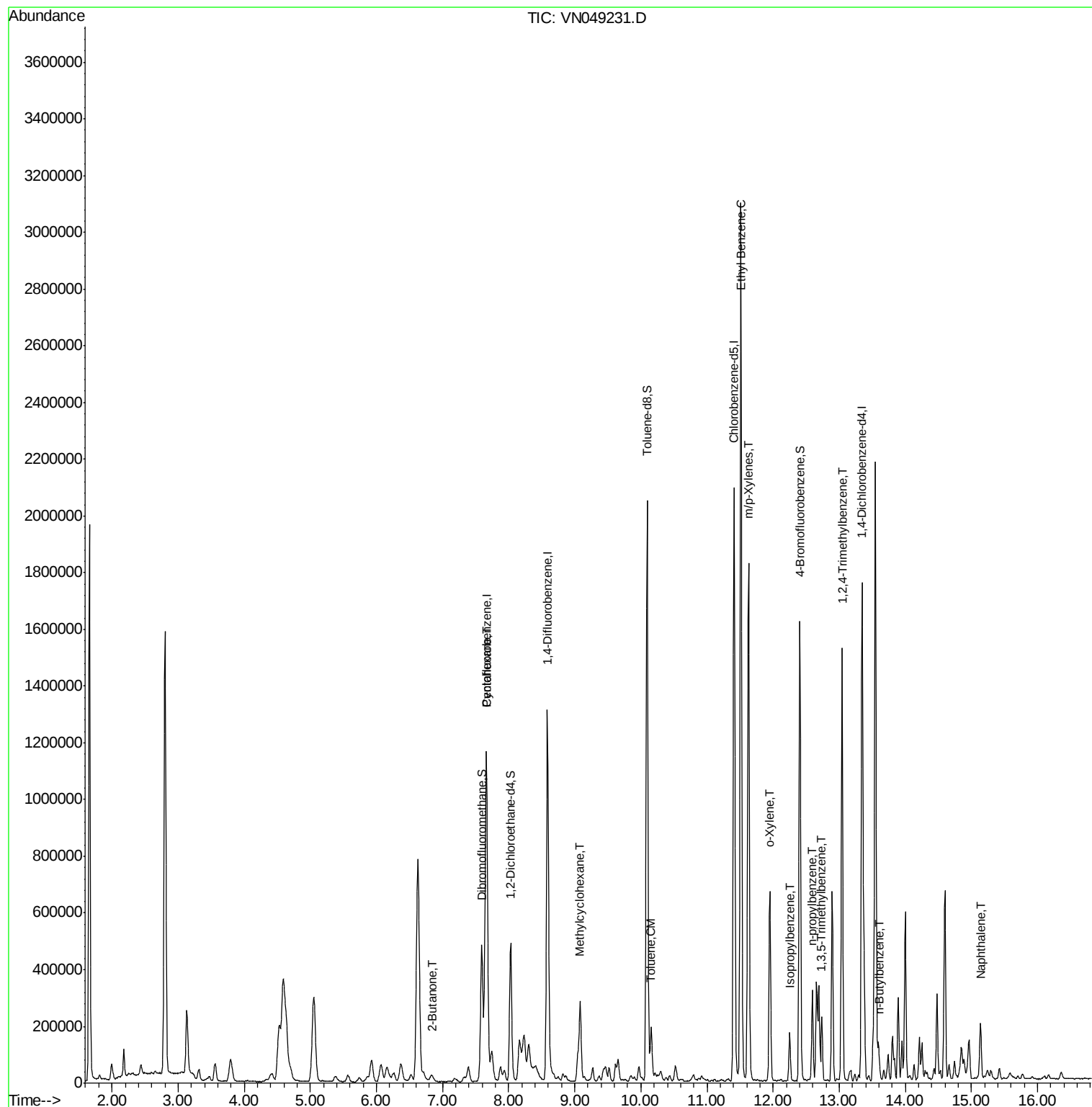
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN061418\
Data File : VN049231.D
Acq On : 14 Jun 2018 16:42
Operator : MD\SY
Sample : J3435-03DL 10X
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 14 Sample Multiplier: 1

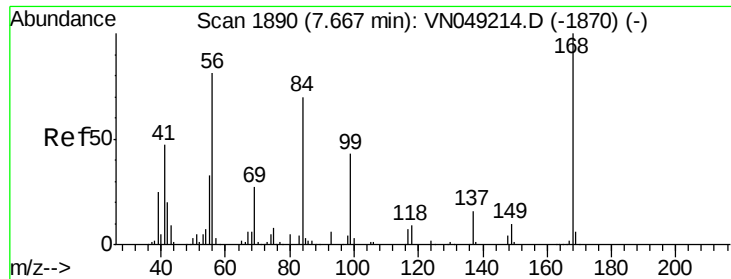
Instrument :
MSVOA_N
ClientSampleId :
MW10DL

Manual Integrations
APPROVED

apatel
6/15/2018 1:44:28 PM

Quant Time: Jun 15 11:31:31 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N061318W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 14 05:15:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049231.D

Acq: 14 Jun 2018 16:42

Instrument :

MSVOA_N

ClientSampled :

MW10DL

Tot Ion:168 Resp: 640598

Ion Ratio Lower Upper

168 100

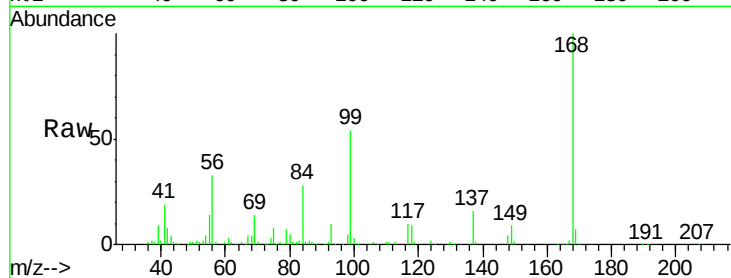
99 54.3 45.8 68.6

Manual Integrations

APPROVED

apatel

6/15/2018 1:44:28 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

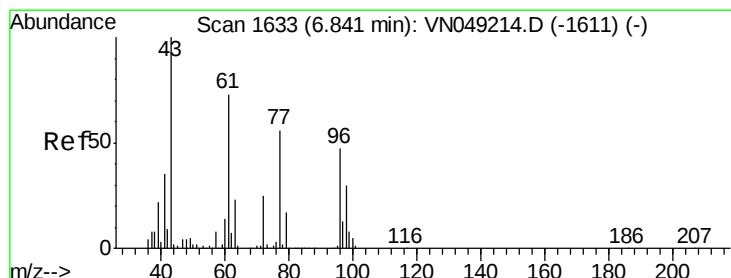
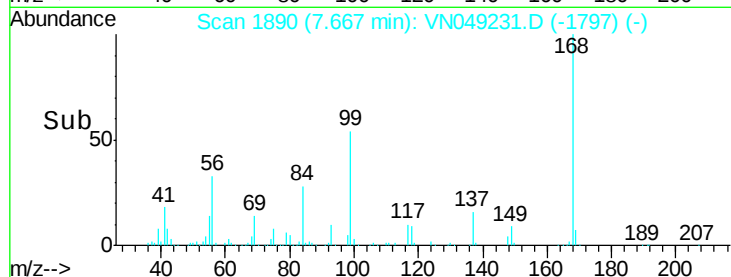
150000

100000

50000

0

Time-->



#25

2-Butanone

Concen: 4.047 ug/l

RT: 6.86 min Scan# 1638

Delta R.T. 0.02 min

Lab File: VN049231.D

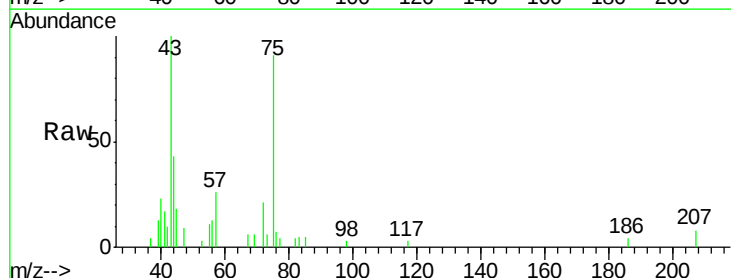
Acq: 14 Jun 2018 16:42

Tgt Ion: 43 Resp: 14324

Ion Ratio Lower Upper

43 100

72 23.6 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 72.00 (71.70 to 72.70): VN

6.86

5000

4000

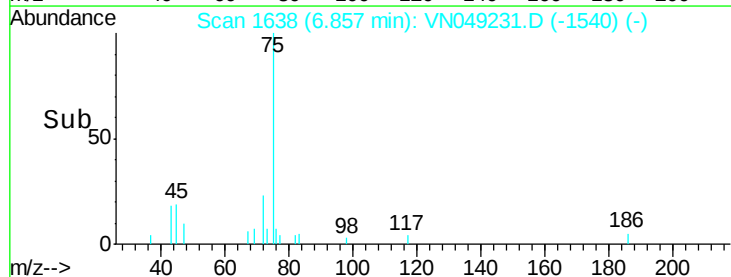
3000

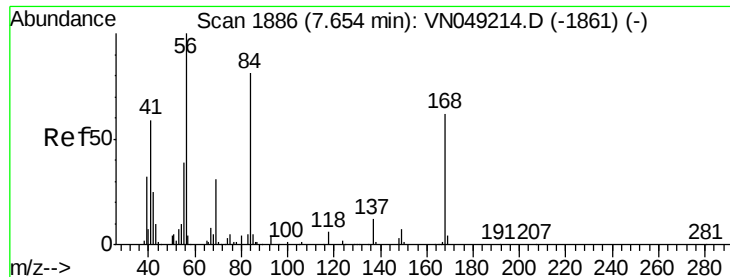
2000

1000

0

Time-->





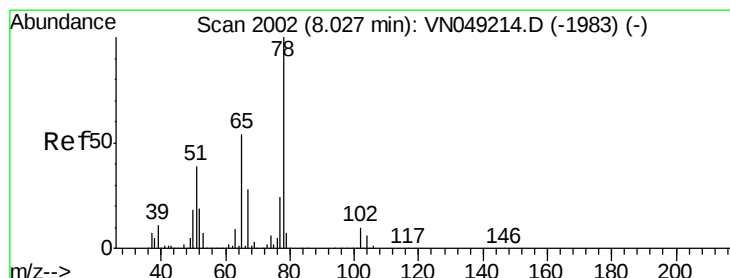
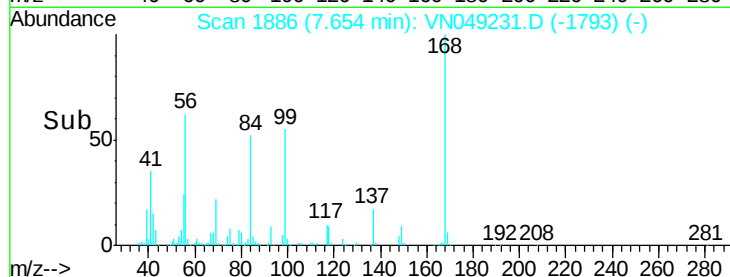
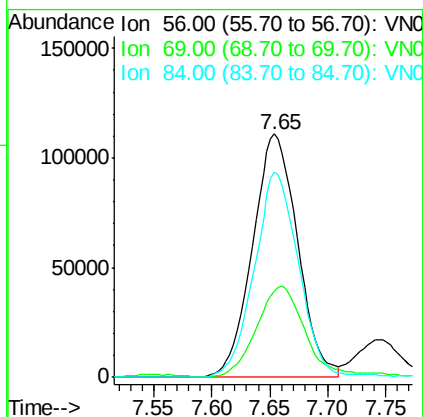
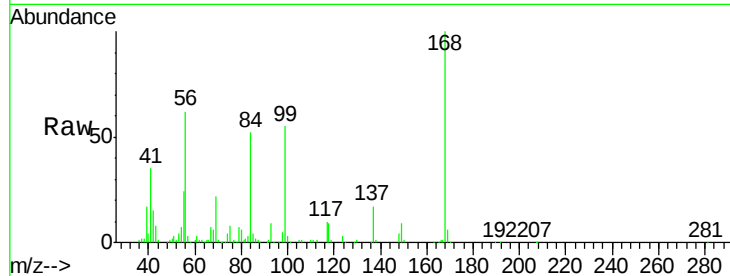
#31
Cyclohexane
Concen: 19.268 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049231.D
Acq: 14 Jun 2018 16:42

Instrument :
MSVOA_N
ClientSampled :
MW10DL

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.1	25.0	37.4
84	84.5	64.6	96.8

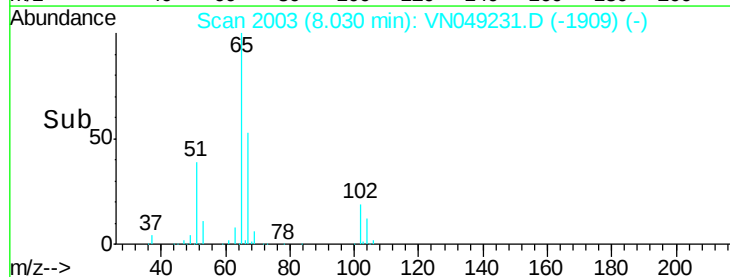
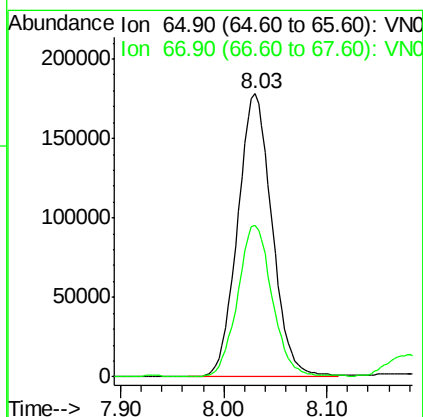
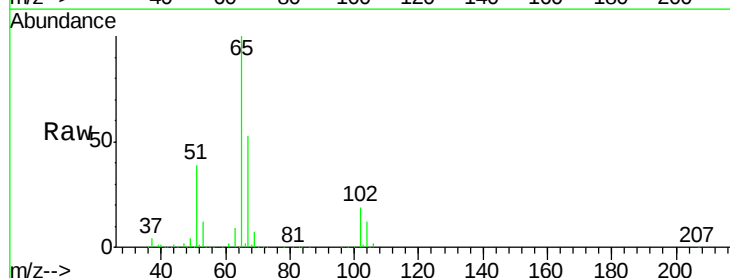
Manual Integrations
APPROVED

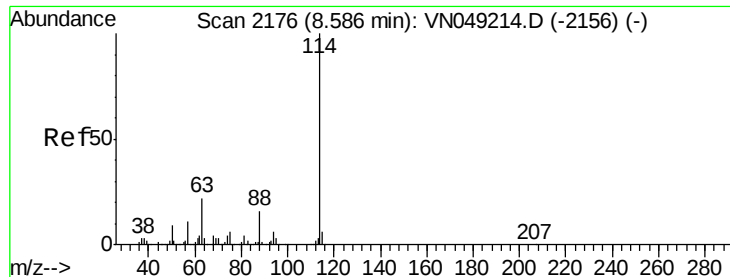
apatel
6/15/2018 1:44:28 PM



#33
1,2-Dichloroethane-d4
Concen: 40.016 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN049231.D
Acq: 14 Jun 2018 16:42

Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	103.8





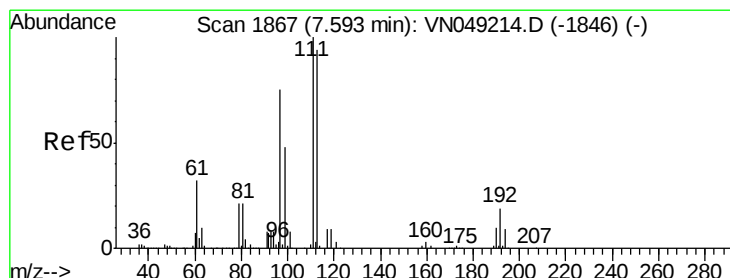
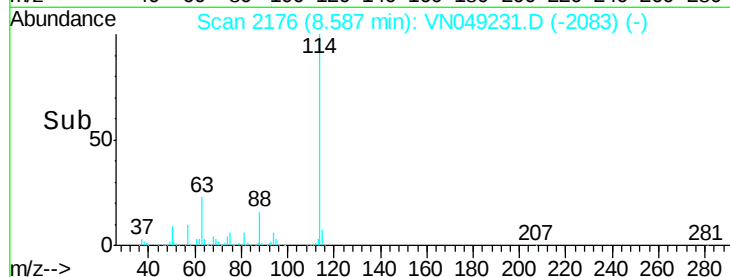
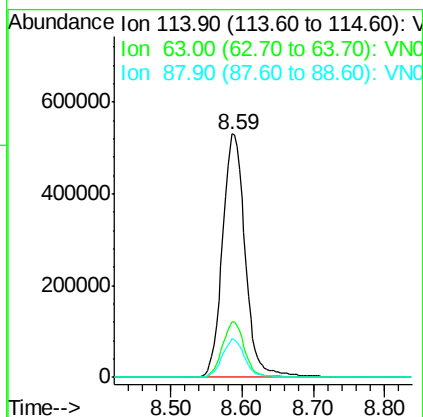
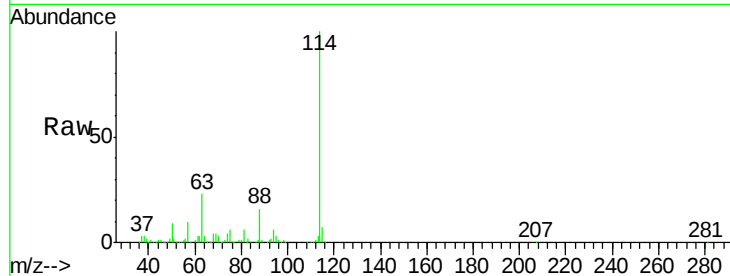
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049231.D
 Acq: 14 Jun 2018 16:42

Instrument :
 MSVOA_N
 ClientSampled :
 MW10DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.6	0.0	44.4
88	15.7	0.0	31.4

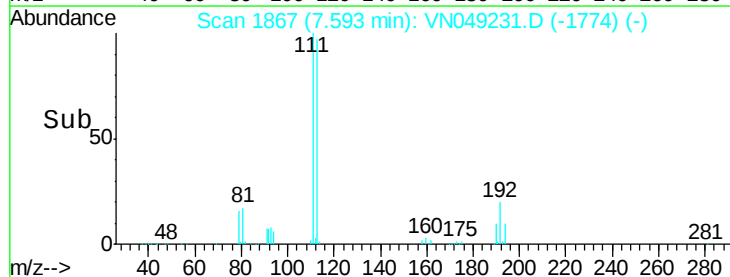
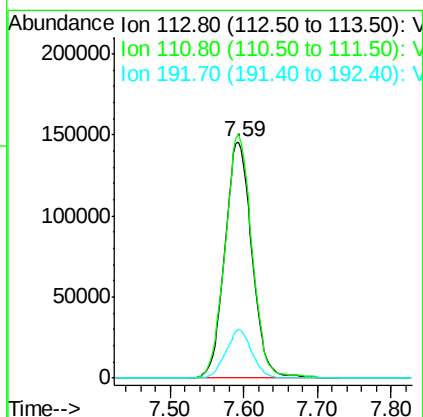
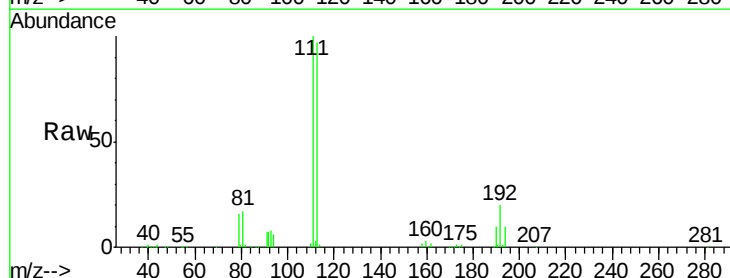
Manual Integrations
 APPROVED

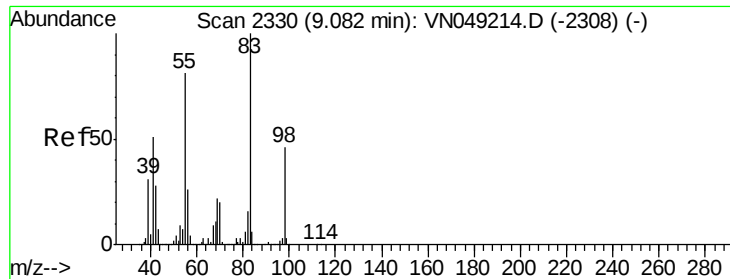
apatel
 6/15/2018 1:44:28 PM



#35
 Dibromofluoromethane
 Concen: 38.117 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049231.D
 Acq: 14 Jun 2018 16:42

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.4	123.6
192	19.6	15.0	22.6





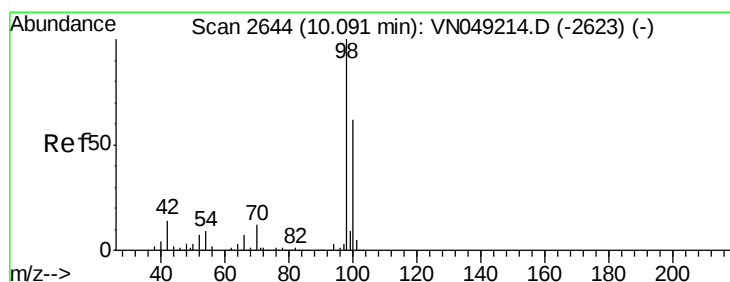
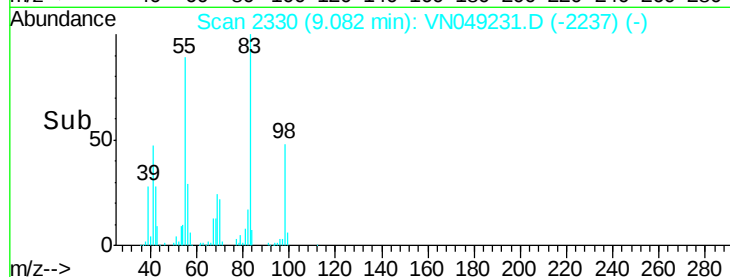
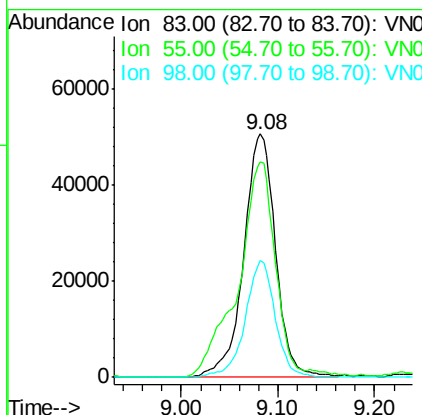
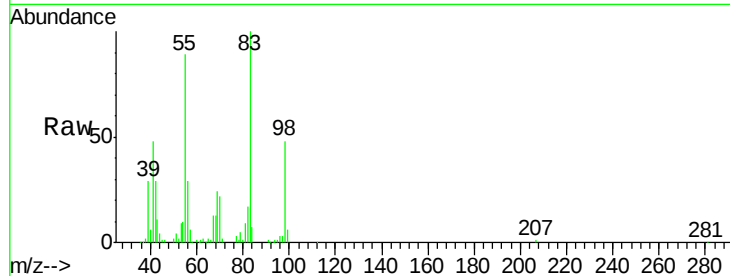
#39
Methylcyclohexane
Concen: 7.621 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049231.D
Acq: 14 Jun 2018 16:42

Instrument :
MSVOA_N
ClientSampleId :
MW10DL

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.2	65.1	97.7
98	48.0	36.5	54.7

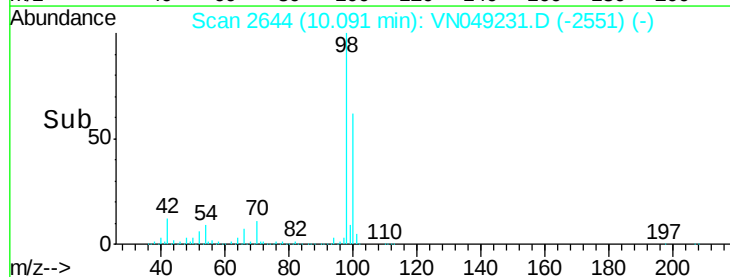
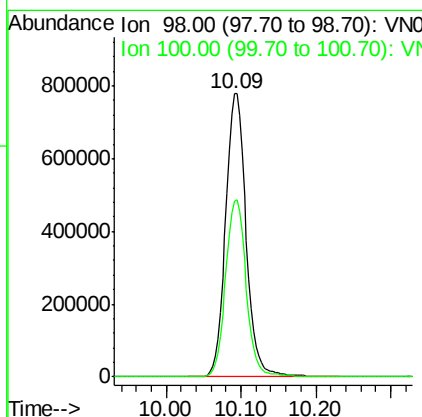
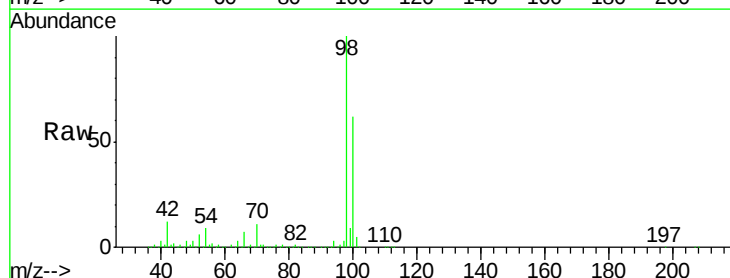
Manual Integrations
APPROVED

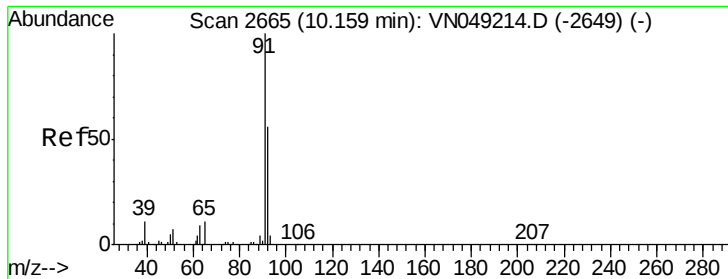
apatel
6/15/2018 1:44:28 PM



#50
Toluene-d8
Concen: 38.828 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049231.D
Acq: 14 Jun 2018 16:42

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.7	49.8	74.8





#52

Toluene

Concen: 2.849 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049231.D

Acq: 14 Jun 2018 16:42

Instrument :

MSVOA_N

ClientSampleId :

MW10DL

Tot Ion: 92 Resp: 73958

Ion Ratio Lower Upper

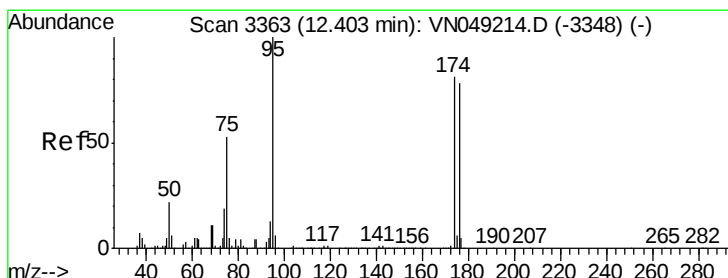
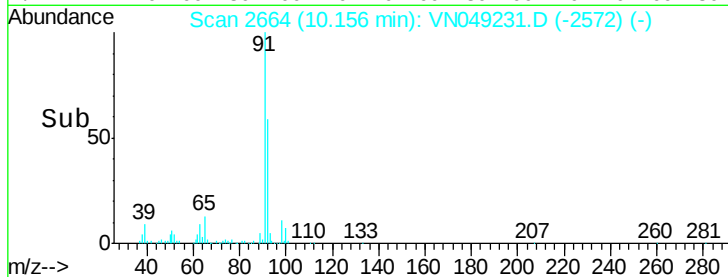
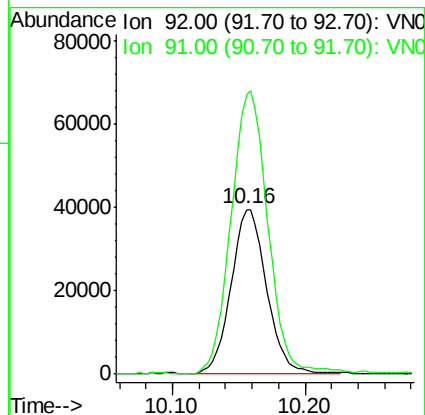
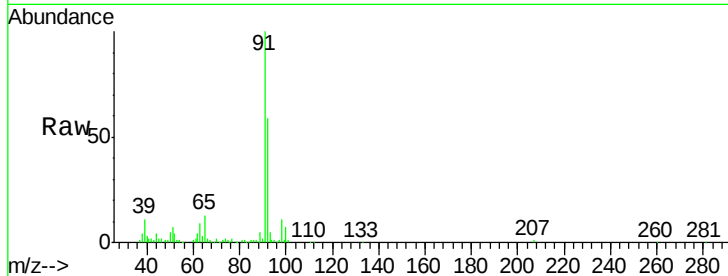
92 100

91 178.4 143.4 215.2

Manual Integrations
APPROVED

apatel

6/15/2018 1:44:28 PM



#62

4-Bromofluorobenzene

Concen: 44.975 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049231.D

Acq: 14 Jun 2018 16:42

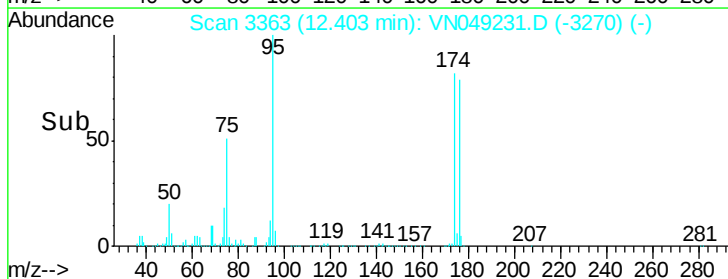
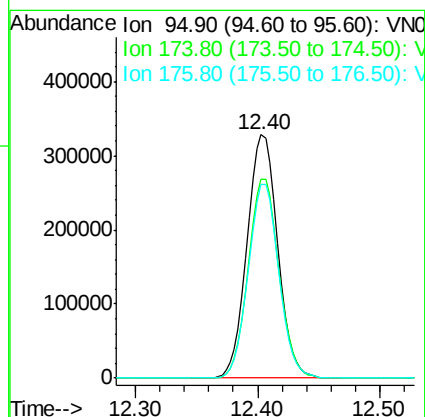
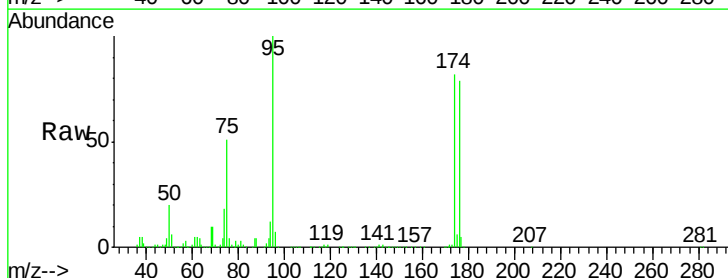
Tgt Ion: 95 Resp: 566515

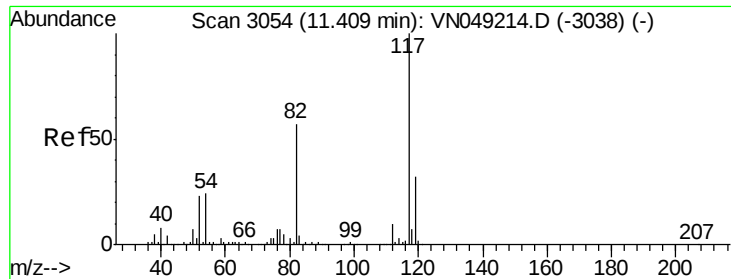
Ion Ratio Lower Upper

95 100

174 81.9 0.0 165.6

176 79.4 0.0 157.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049231.D

Acq: 14 Jun 2018 16:42

Instrument :

MSVOA_N

ClientSampled :

MW10DL

Tot Ion:117 Resp: 1231158

Ion Ratio Lower Upper

117 100

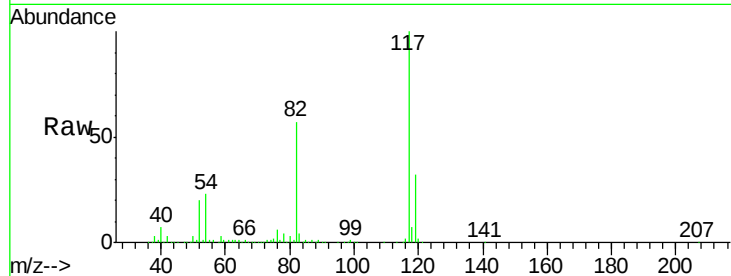
82 56.7 45.9 68.9

119 31.9 25.5 38.3

Manual Integrations
APPROVED

apatel

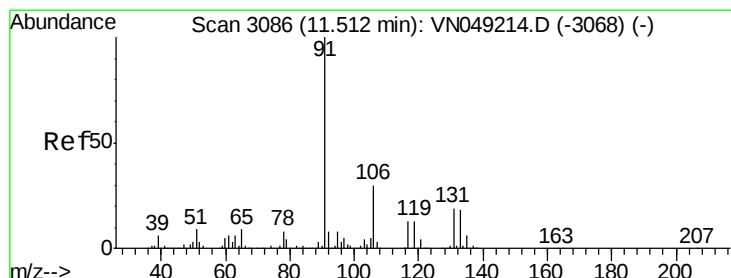
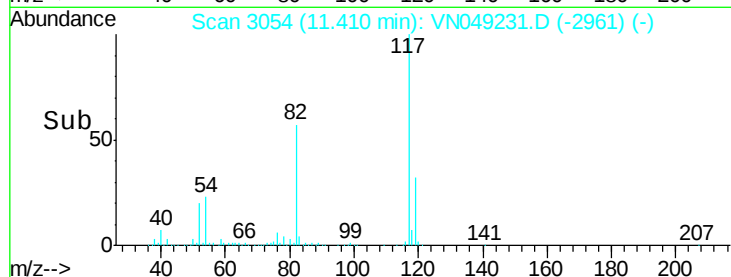
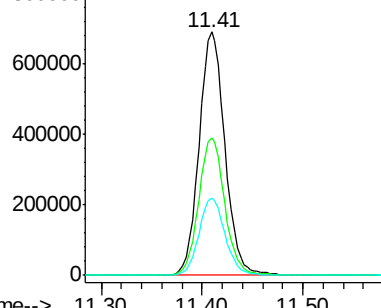
6/15/2018 1:44:28 PM



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#67

Ethyl Benzene

Concen: 40.399 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049231.D

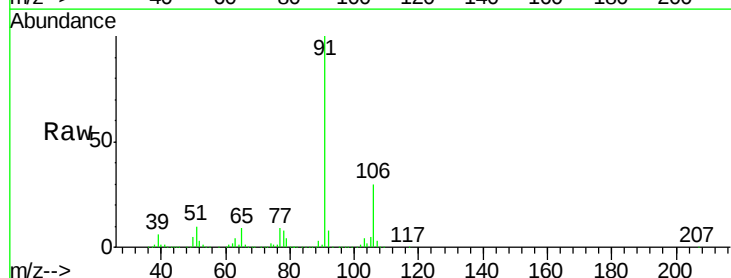
Acq: 14 Jun 2018 16:42

Tgt Ion: 91 Resp: 2213537

Ion Ratio Lower Upper

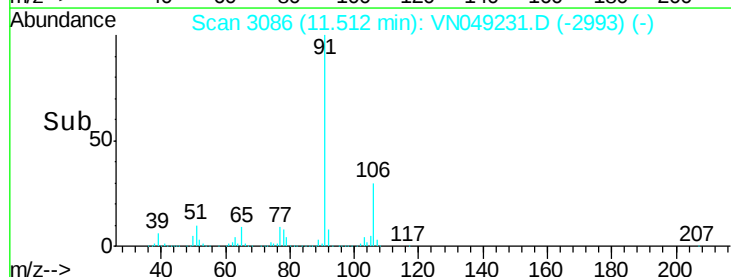
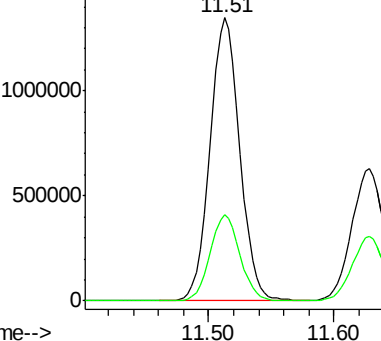
91 100

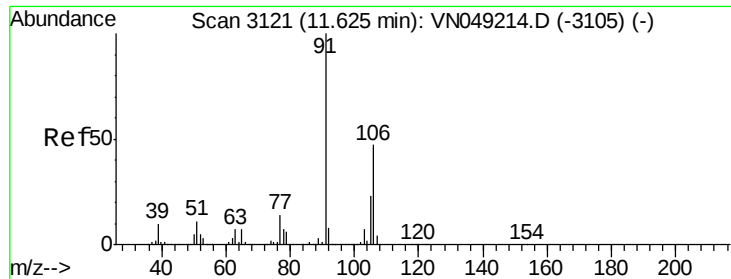
106 30.4 23.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





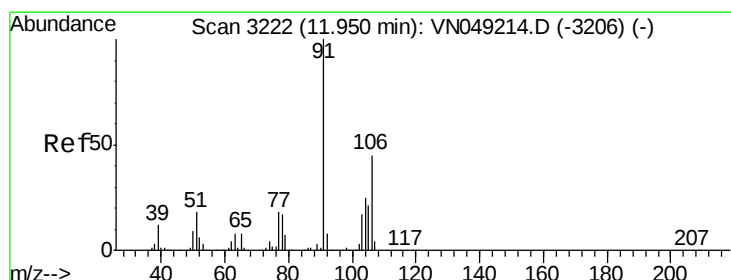
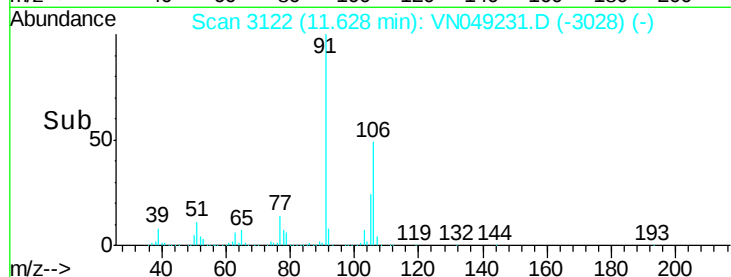
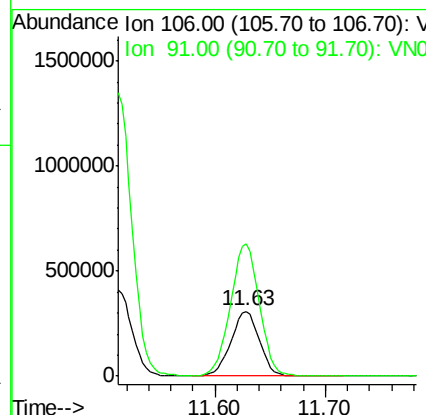
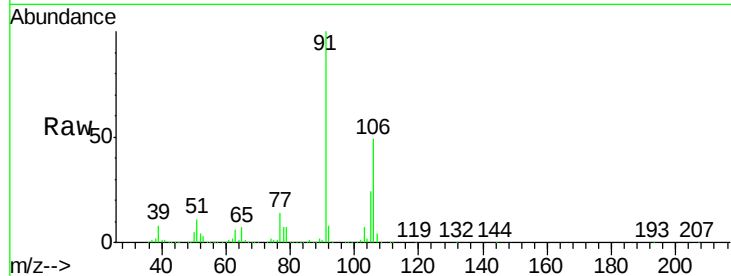
#68
m/p-Xylenes
Concen: 27.665 ug/l
RT: 11.63 min Scan# 3122
Delta R.T. 0.00 min
Lab File: VN049231.D
Acq: 14 Jun 2018 16:42

Instrument :
MSVOA_N
ClientSampled :
MW10DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		554317		
91	206.8	167.3	250.9		

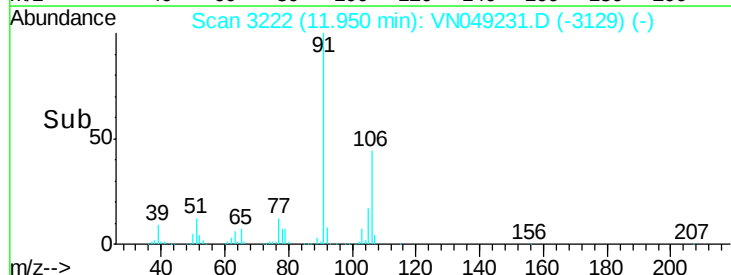
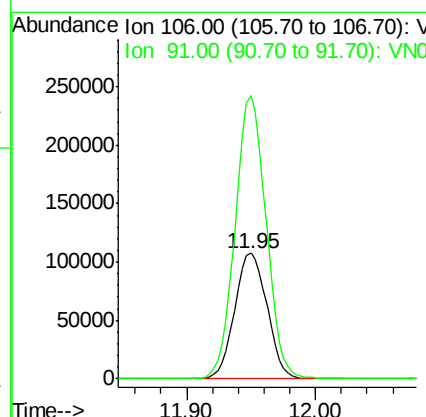
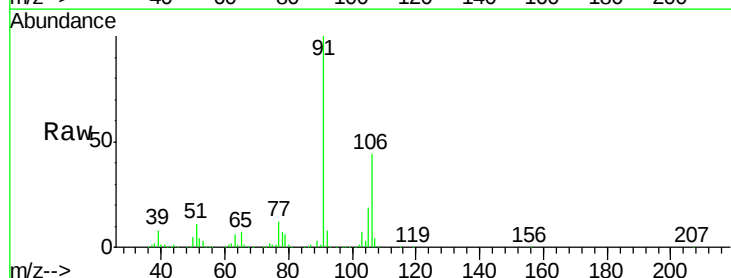
Manual Integrations
APPROVED

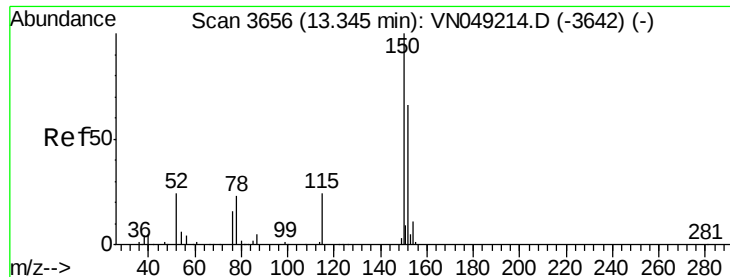
apatel
6/15/2018 1:44:28 PM



#69
o-Xylene
Concen: 9.716 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049231.D
Acq: 14 Jun 2018 16:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		187486		
91	215.7	111.0	333.0		





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3657

Delta R.T. 0.00 min

Lab File: VN049231.D

Acq: 14 Jun 2018 16:42

Instrument :

MSVOA_N

ClientSampled :

MW10DL

Tot Ion:152 Resp: 479592

Ion Ratio Lower Upper

152 100

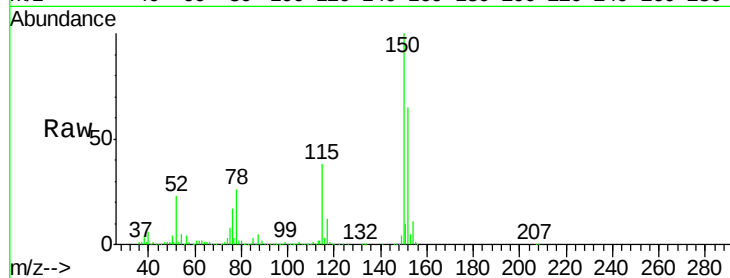
115 60.7 28.7 86.1

150 156.3 0.0 351.0

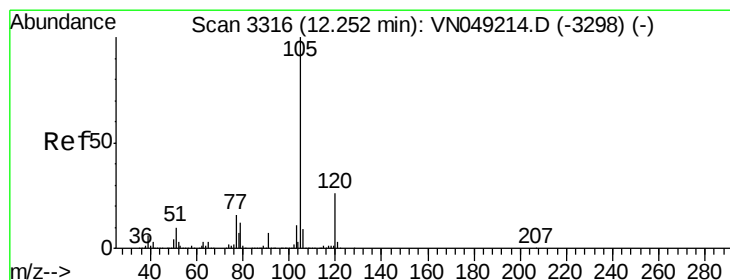
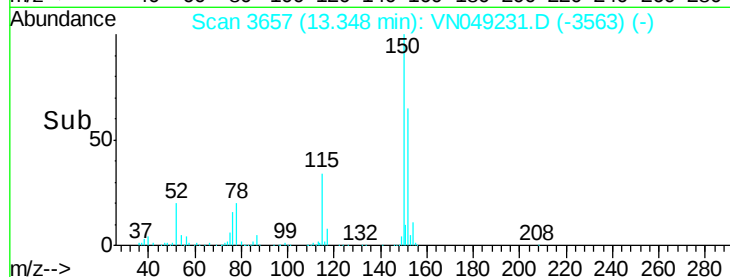
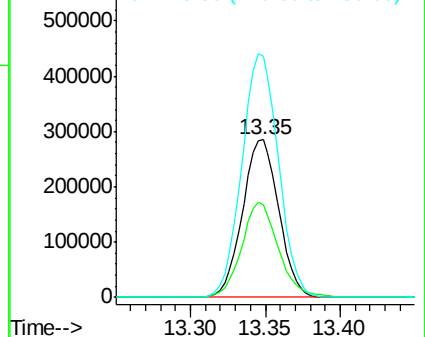
Manual Integrations
APPROVED

apatel

6/15/2018 1:44:28 PM



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



#73

Isopropylbenzene

Concen: 2.404 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049231.D

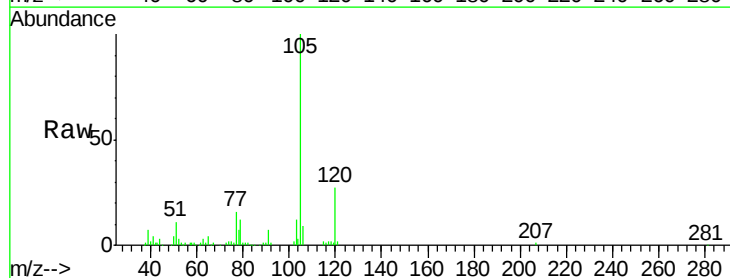
Acq: 14 Jun 2018 16:42

Tgt Ion:105 Resp: 110757

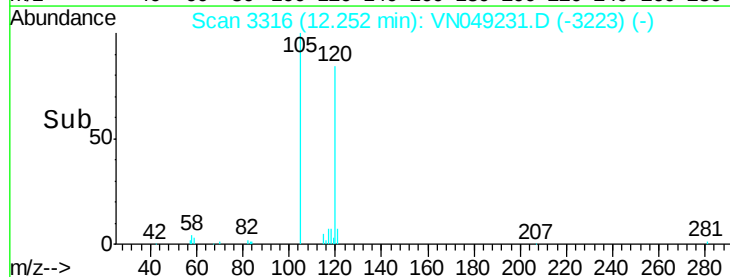
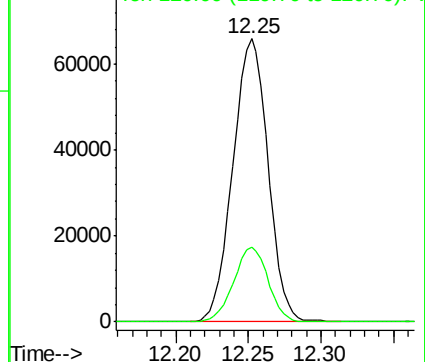
Ion Ratio Lower Upper

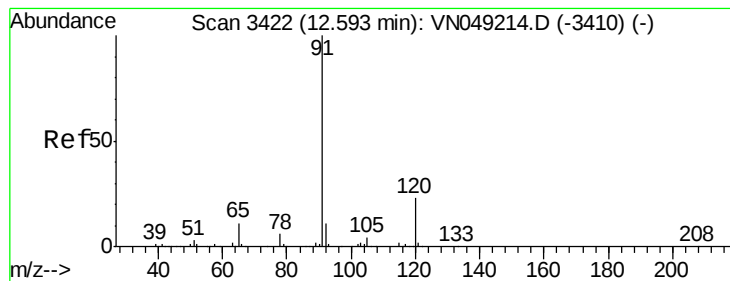
105 100

120 25.9 12.8 38.3



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





#78

n-propylbenzene

Concen: 4.899 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049231.D

Acq: 14 Jun 2018 16:42

Instrument :

MSVOA_N

ClientSampled :

MW10DL

Tot Ion: 91 Resp: 250690

Ion Ratio Lower Upper

91 100

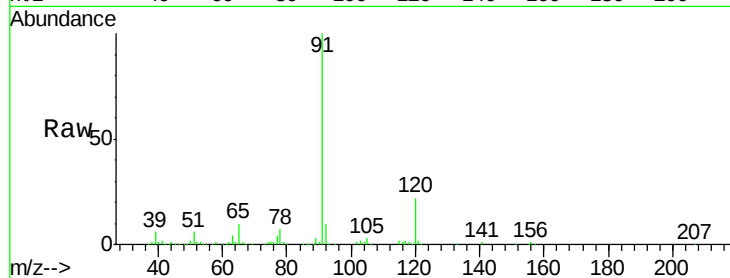
120 21.9 11.2 33.5

Manual Integrations

APPROVED

apatel

6/15/2018 1:44:28 PM



Abundance Ion 91.00 (90.70 to 91.70): VN049231.D (-3329) (-)

Ion 120.00 (119.70 to 120.70): VN049231.D (-3329) (-)

12.59

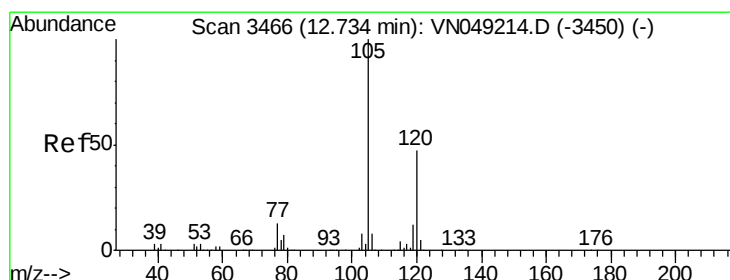
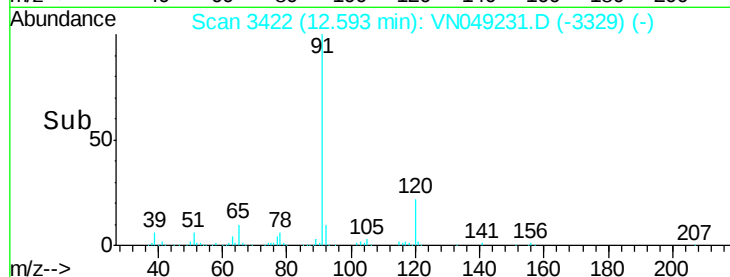
150000

100000

50000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 3.366 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049231.D

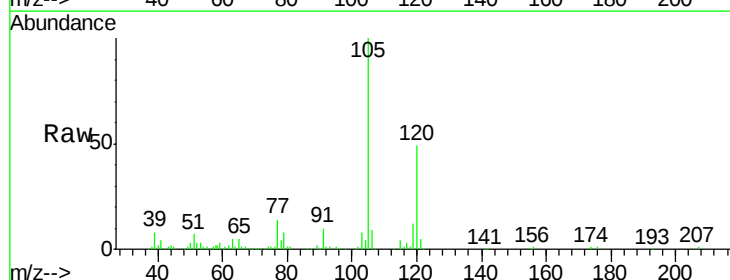
Acq: 14 Jun 2018 16:42

Tgt Ion: 105 Resp: 118877

Ion Ratio Lower Upper

105 100

120 48.5 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): VN049231.D (-3373) (-)

Ion 120.00 (119.70 to 120.70): VN049231.D (-3373) (-)

12.73

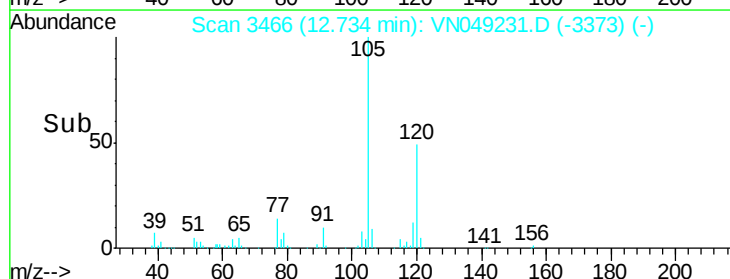
150000

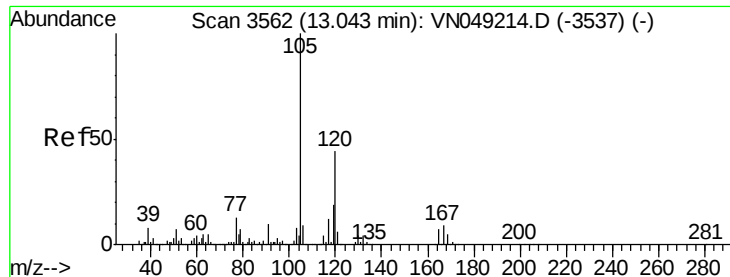
100000

50000

0

Time-->





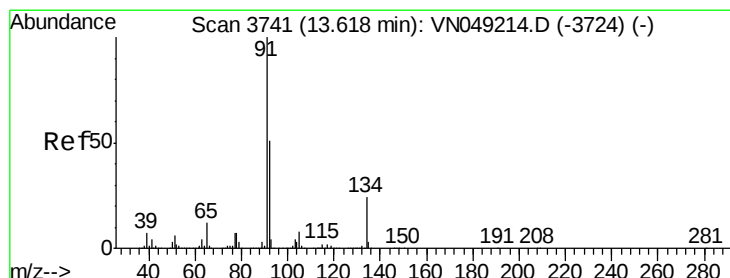
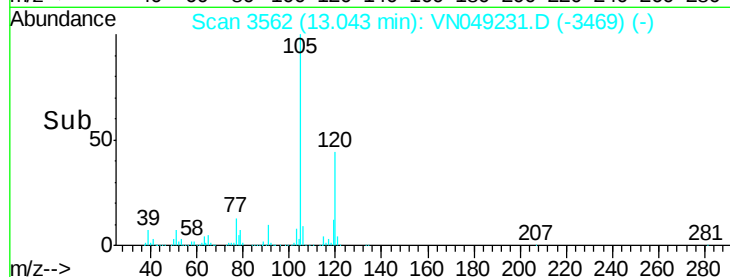
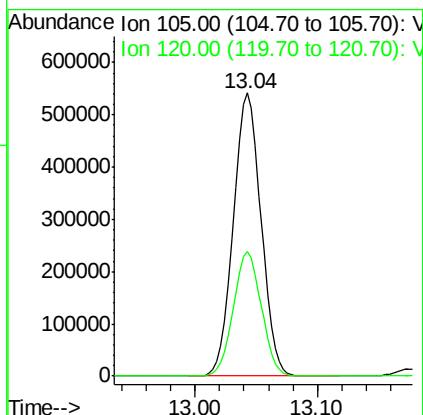
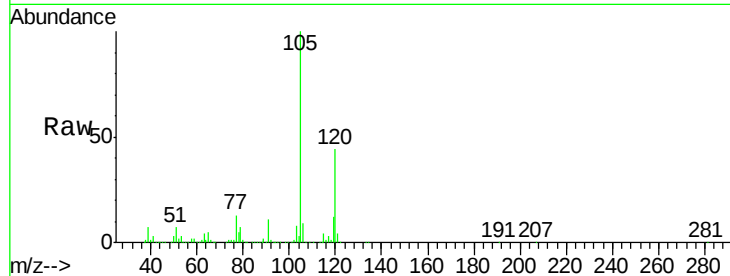
#84
 1,2,4-Trimethylbenzene
 Concen: 24.337 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN049231.D
 Acq: 14 Jun 2018 16:42

Instrument :
 MSVOA_N
 ClientSampled :
 MW10DL

Tot Ion: 105 Resp: 854369
 Ion Ratio Lower Upper
 105 100
 120 44.2 22.2 66.6

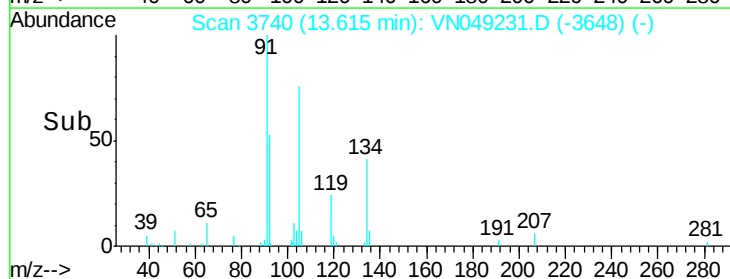
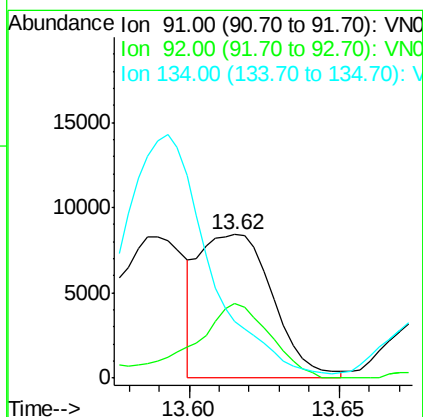
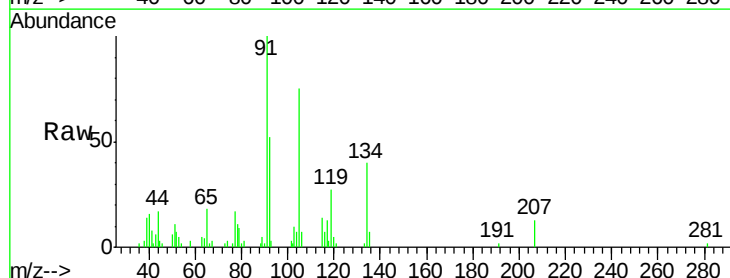
Manual Integrations
 APPROVED

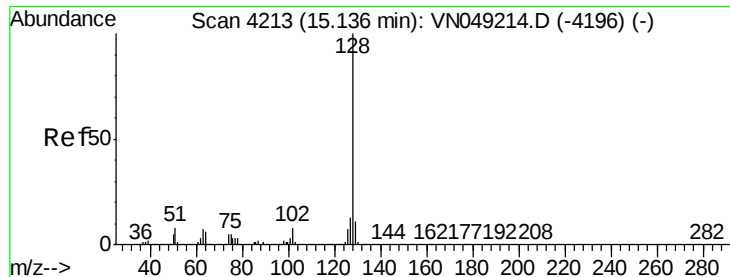
apatel
 6/15/2018 1:44:28 PM



#89
 n-Butylbenzene
 Concen: 2.042 ug/l m
 RT: 13.62 min Scan# 3740
 Delta R.T. -0.00 min
 Lab File: VN049231.D
 Acq: 14 Jun 2018 16:42

Tgt Ion: 91 Resp: 14430
 Ion Ratio Lower Upper
 91 100
 92 154.8 25.1 75.4#
 134 0.0 12.0 36.0#





#95
Naphthalene
Concen: 14.404 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049231.D
Acq: 14 Jun 2018 16:42

Instrument :
MSVOA_N
ClientSampleId :
MW10DL

Tot Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	13.0	10.6	16.0
129	11.8	8.5	12.7

Manual Integrations
APPROVED

apatel
6/15/2018 1:44:28 PM

