

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070318\
 Data File : VN049688.D
 Acq On : 3 Jul 2018 12:52
 Operator : MD\SY
 Sample : J3798-07DL 20X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DRUM-13DL

Manual Integrations
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sam
 7/5/2018 2:26:49 PM

Quant Time: Jul 05 09:14:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 30 00:55:30 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1455702	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2267513	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1921417	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	845932	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	976594	50.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.60%	
35) Dibromofluoromethane	7.59	113	785891	46.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.72%	
50) Toluene-d8	10.09	98	3098757	46.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.40%	
62) 4-Bromofluorobenzene	12.41	95	956522	42.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.44%	
Target Compounds						
40) Benzene	8.04	78	335287	4.304	ug/l	100
52) Toluene	10.16	92	3153536	67.011	ug/l	100
67) Ethyl Benzene	11.52	91	265114	3.200	ug/l	98
68) m/p-Xylenes	11.62	106	778753	24.525	ug/l	99
69) o-Xylene	11.95	106	324072	10.660	ug/l	96
78) n-propylbenzene	12.60	91	86863	1.125	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	245509	4.385	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	655314	11.390	ug/l	100

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

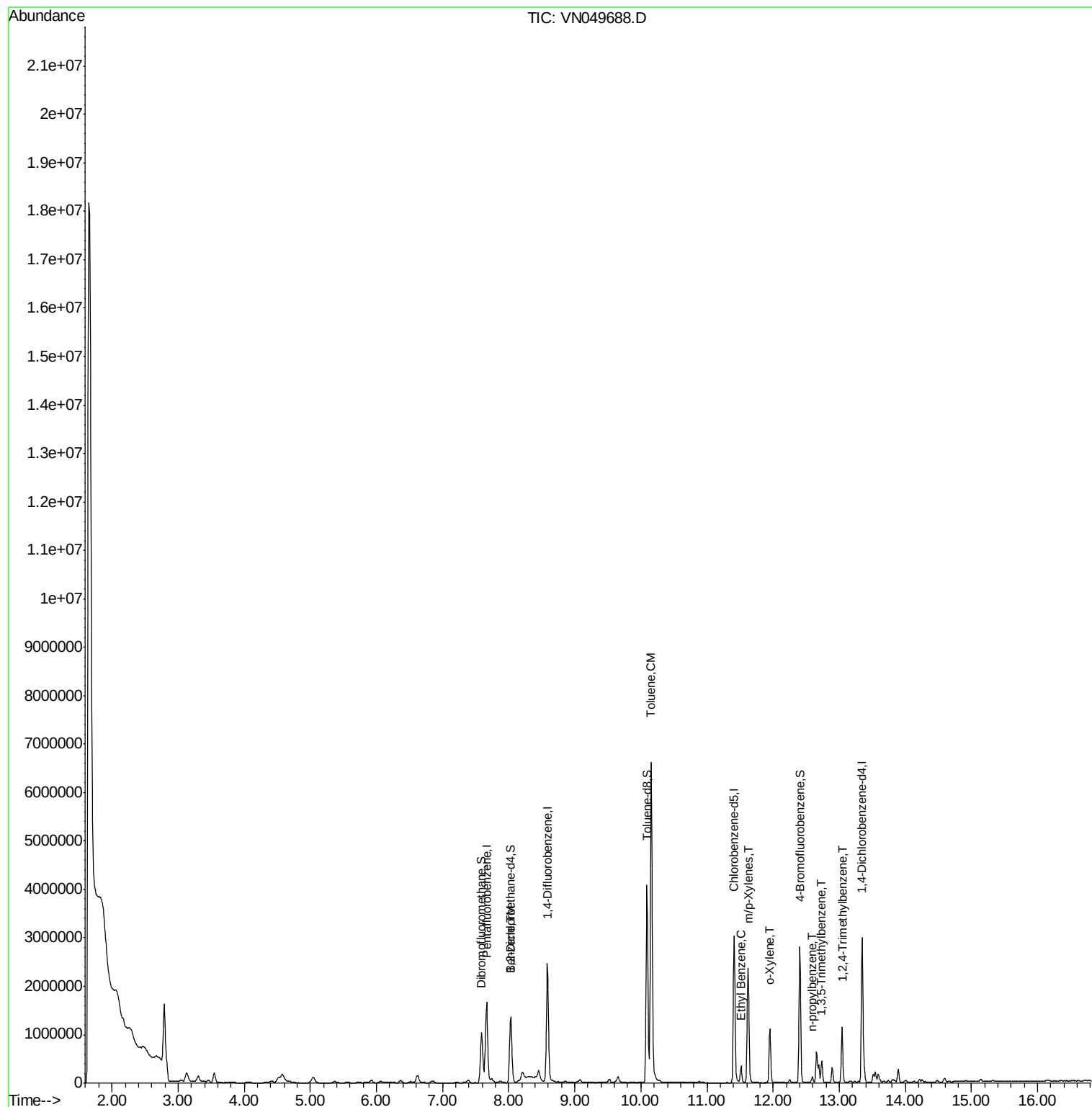
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN070318\
Data File : VN049688.D
Acq On : 3 Jul 2018 12:52
Operator : MD\SY
Sample : J3798-07DL 20X
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

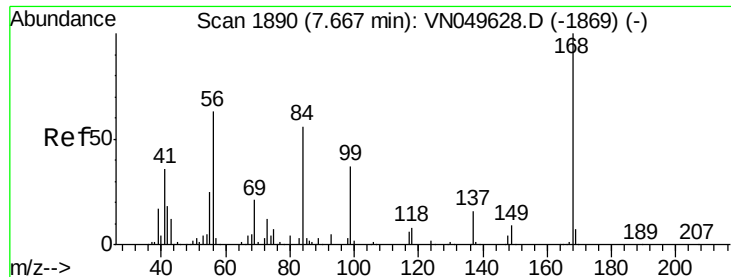
Instrument :
MSVOA_N
ClientSampleId :
DRUM-13DL

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Quant Time: Jul 05 09:14:58 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 30 00:55:30 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VN049688.D

Acq: 3 Jul 2018 12:52

Instrument :

MSVOA_N

ClientSampled :

DRUM-13DL

Tot Ion:168 Resp: 1455702

Ion Ratio Lower Upper

168 100

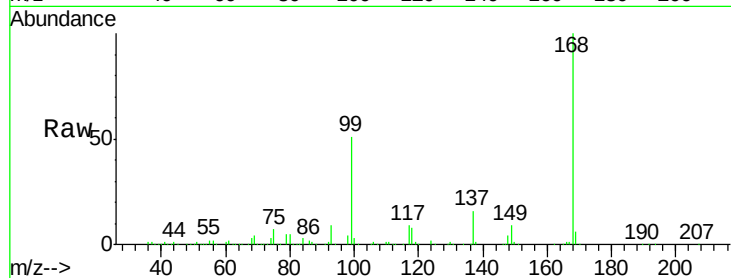
99 51.4 40.6 61.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.66

600000

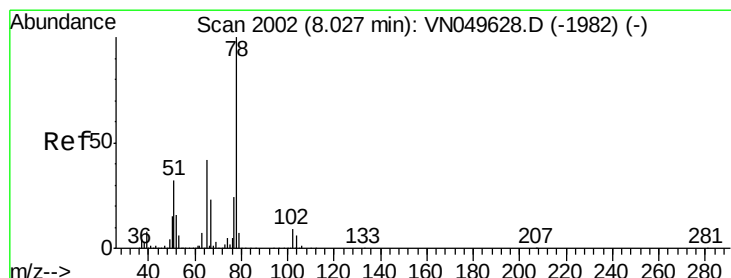
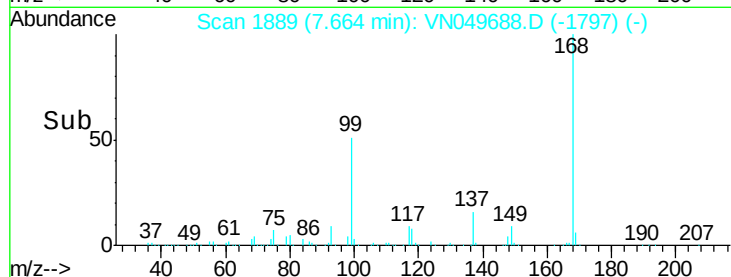
400000

200000

0

7.50 7.60 7.70 7.80

Time-->



#33

1,2-Dichloroethane-d4

Concen: 50.801 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. -0.00 min

Lab File: VN049688.D

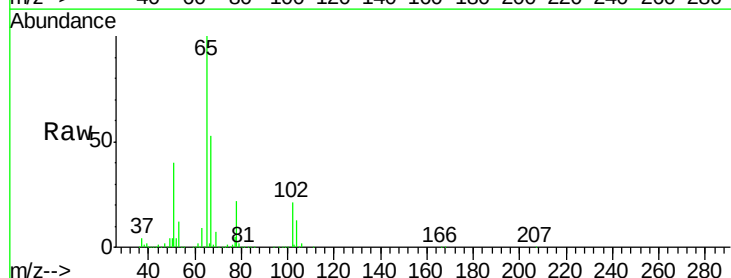
Acq: 3 Jul 2018 12:52

Tgt Ion: 65 Resp: 976594

Ion Ratio Lower Upper

65 100

67 53.5 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

400000

300000

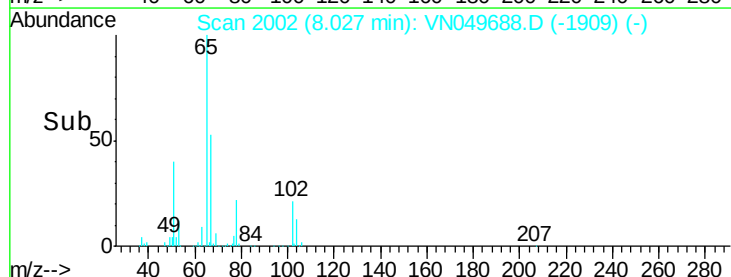
200000

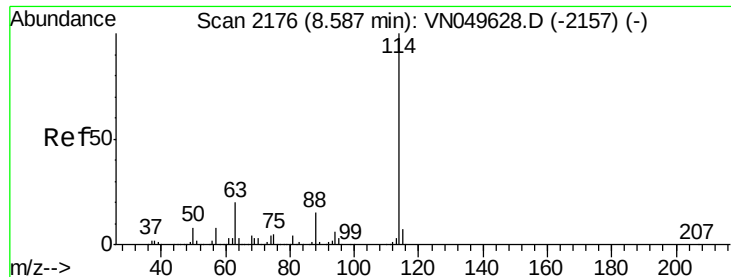
100000

0

7.90 8.00 8.10

Time-->





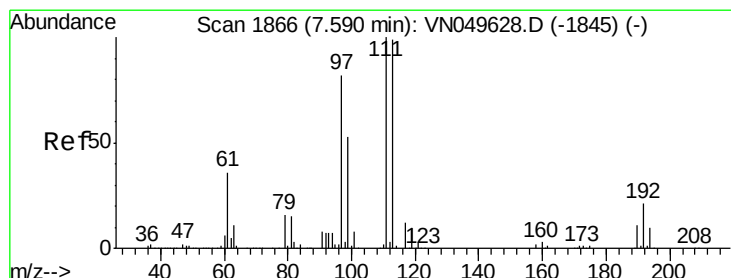
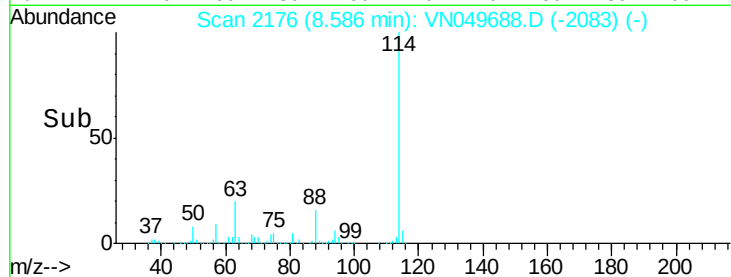
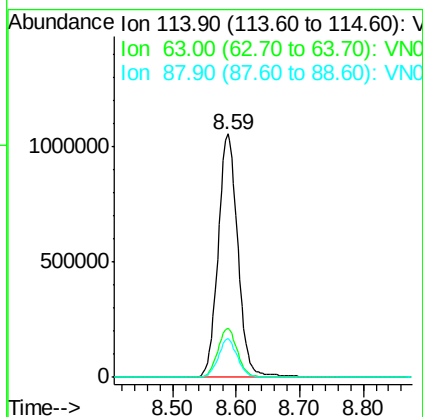
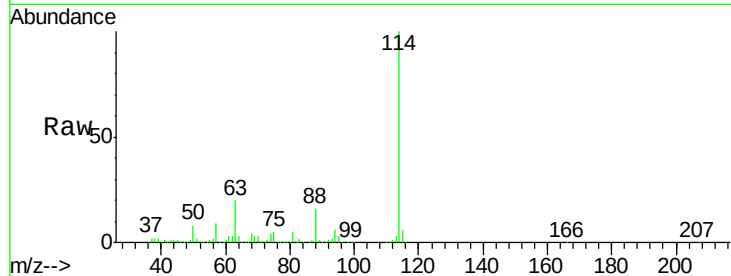
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN049688.D
 Acq: 3 Jul 2018 12:52

Instrument :
 MSVOA_N
 ClientSampleId :
 DRUM-13DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	39.8
88	15.7	0.0	30.6

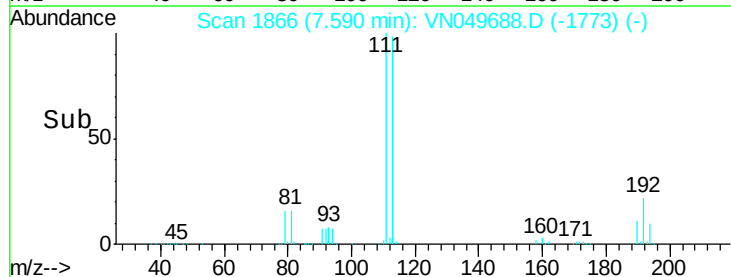
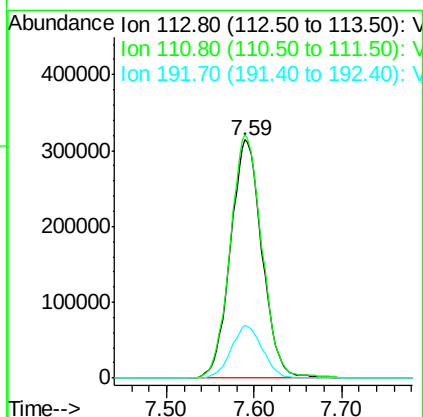
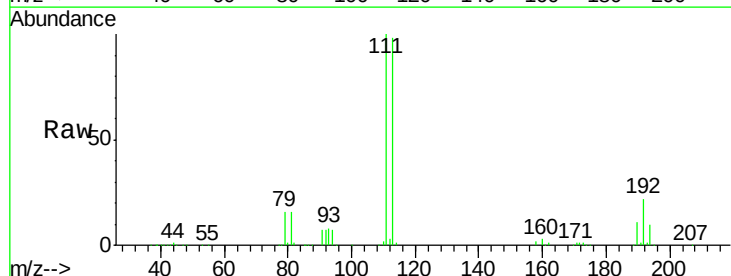
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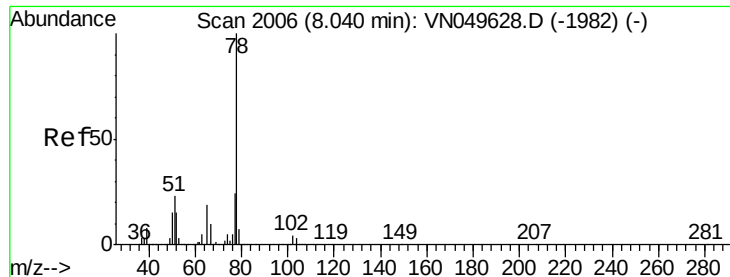
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#35
 Dibromofluoromethane
 Concen: 46.360 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN049688.D
 Acq: 3 Jul 2018 12:52

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.8	122.8
192	21.8	17.8	26.6





#40

Benzene

Concen: 4.304 ug/l

RT: 8.04 min Scan# 2007

Delta R.T. 0.00 min

Lab File: VN049688.D

Acq: 3 Jul 2018 12:52

Instrument :

MSVOA_N

ClientSampleId :

DRUM-13DL

Tot Ion: 78 Resp: 335287

Ion Ratio Lower Upper

78 100

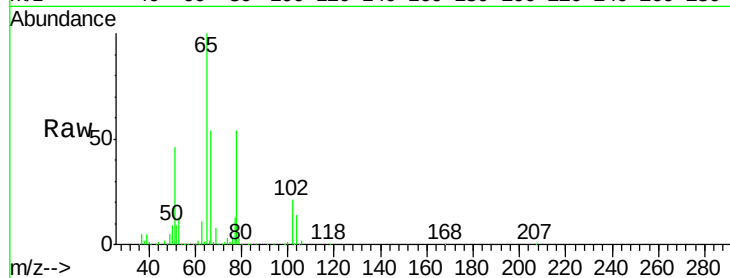
77 23.6 19.0 28.4

Manual Integrations

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Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

8.04

150000

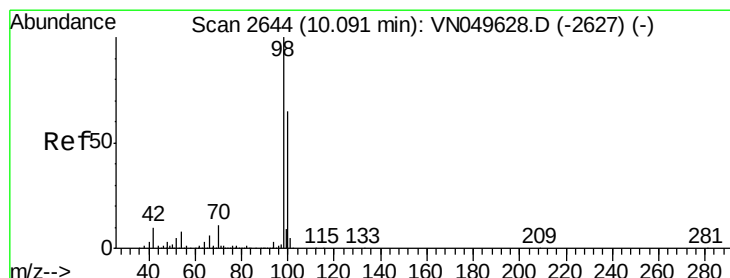
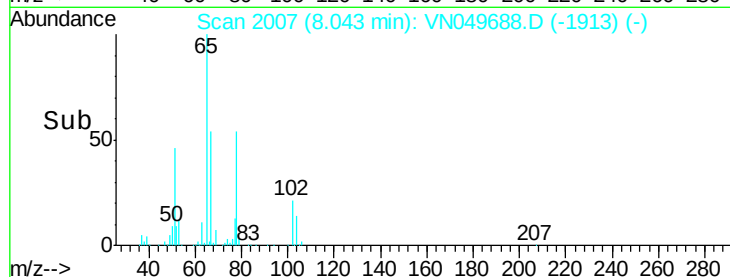
100000

50000

0

8.00 8.10

Time-->



#50

Toluene-d8

Concen: 46.701 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN049688.D

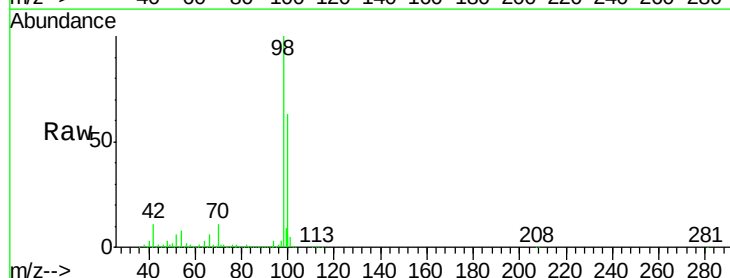
Acq: 3 Jul 2018 12:52

Tgt Ion: 98 Resp: 3098757

Ion Ratio Lower Upper

98 100

100 63.2 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

10.09

1500000

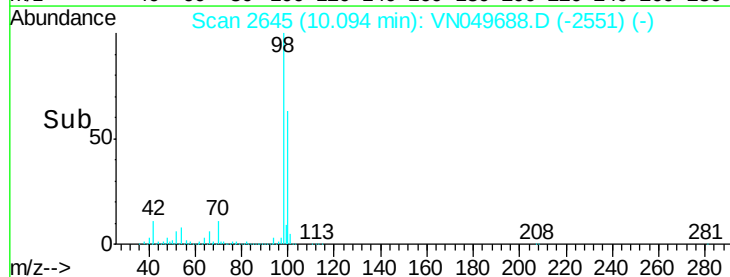
1000000

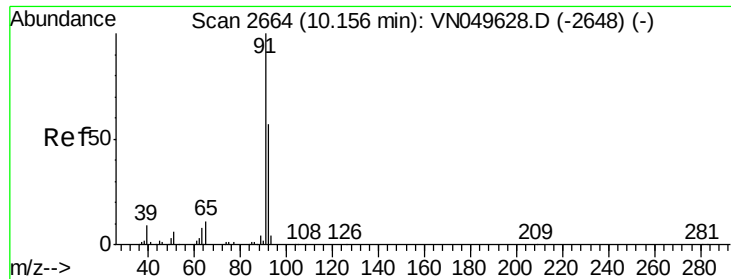
500000

0

10.00 10.20

Time-->





#52

Toluene

Concen: 67.011 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049688.D

Acq: 3 Jul 2018 12:52

Instrument :

MSVOA_N

ClientSampleId :

DRUM-13DL

Tot Ion: 92 Resp: 3153536

Ion Ratio Lower Upper

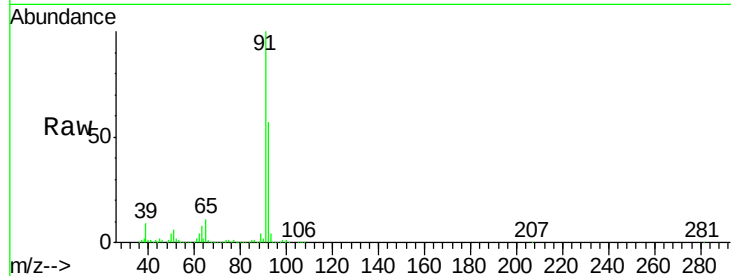
92 100

91 175.3 140.1 210.1

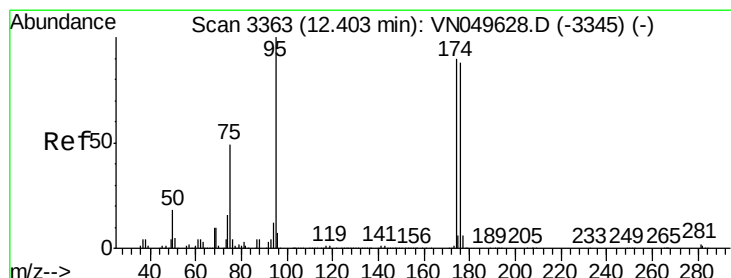
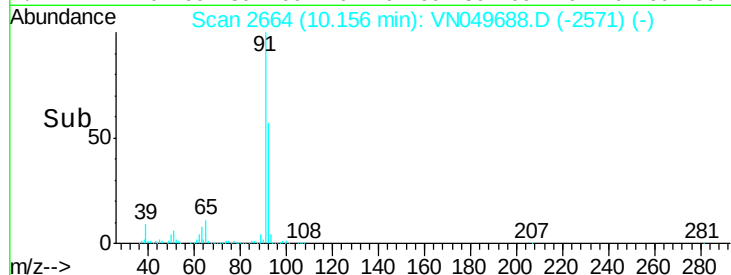
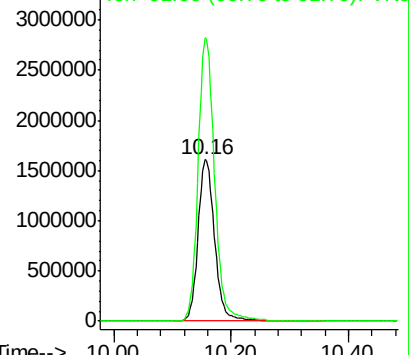
Manual Integrations
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Abundance Ion 92.00 (91.70 to 92.70): VN049688.D (-2571) (-)



#62

4-Bromofluorobenzene

Concen: 42.223 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN049688.D

Acq: 3 Jul 2018 12:52

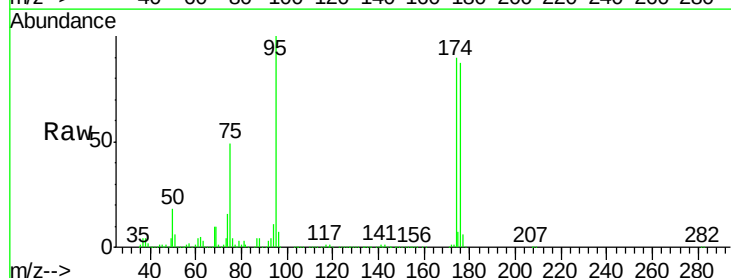
Tgt Ion: 95 Resp: 956522

Ion Ratio Lower Upper

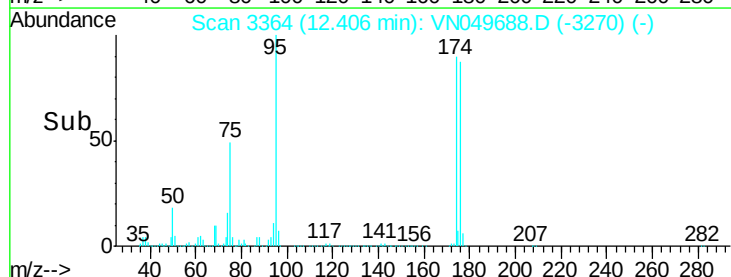
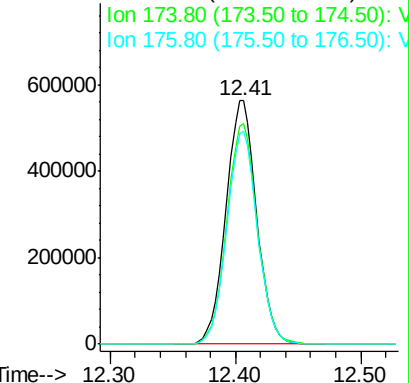
95 100

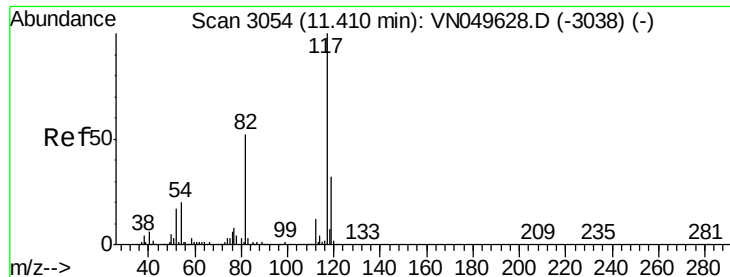
174 90.3 0.0 179.6

176 87.3 0.0 174.0



Abundance Ion 94.90 (94.60 to 95.60): VN049688.D (-3270) (-)





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN049688.D

Acq: 3 Jul 2018 12:52

Instrument :

MSVOA_N

ClientSampled :

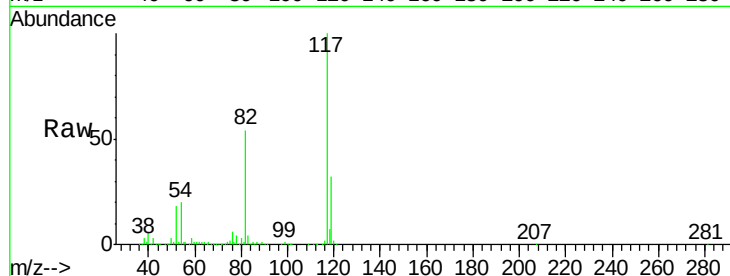
DRUM-13DL

Tot Ion:117 Resp: 1921417

Ion	Ratio	Lower	Upper
117	100		
82	54.2	41.9	62.9
119	31.5	25.4	38.2

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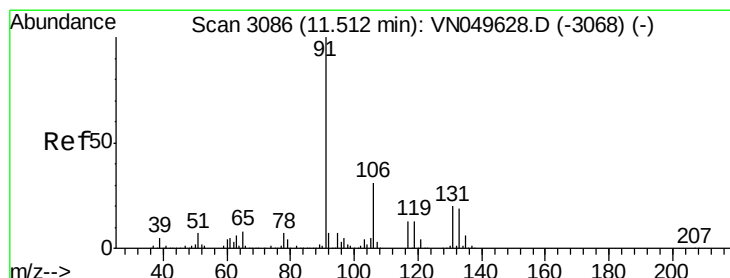
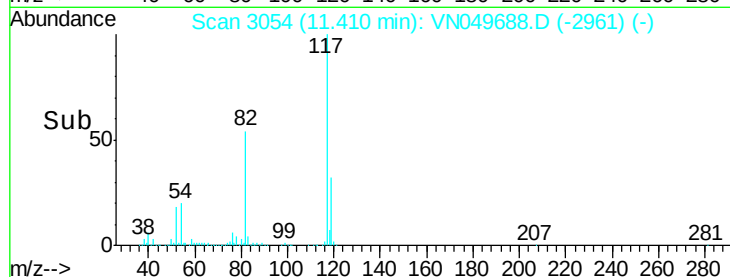
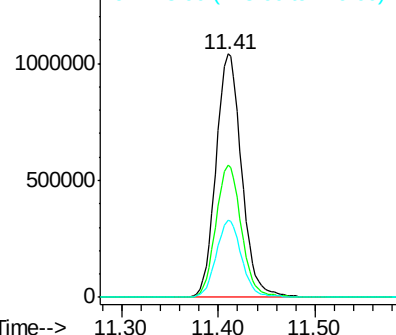
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Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#67

Ethyl Benzene

Concen: 3.200 ug/l

RT: 11.52 min Scan# 3087

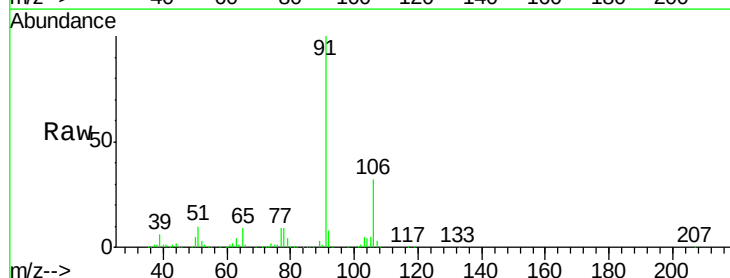
Delta R.T. 0.00 min

Lab File: VN049688.D

Acq: 3 Jul 2018 12:52

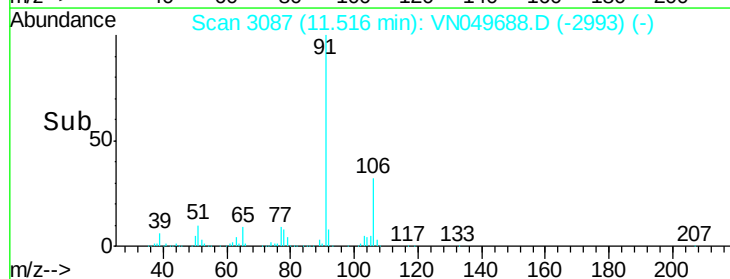
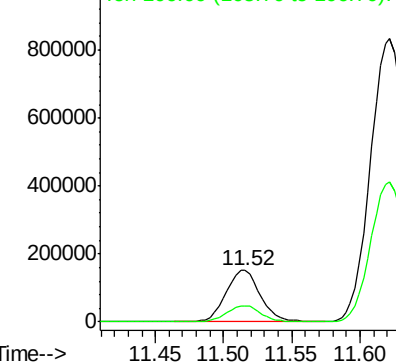
Tgt Ion: 91 Resp: 265114

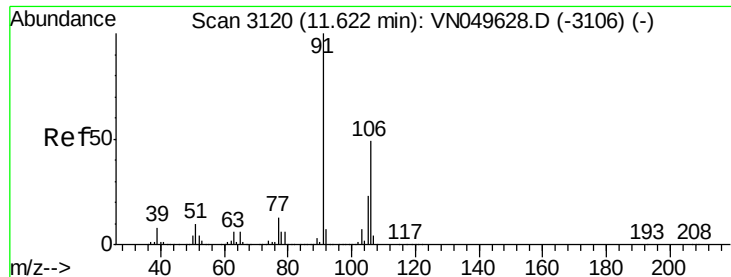
Ion	Ratio	Lower	Upper
91	100		
106	31.9	24.8	37.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





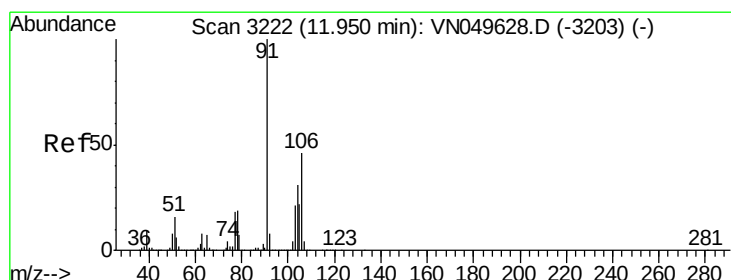
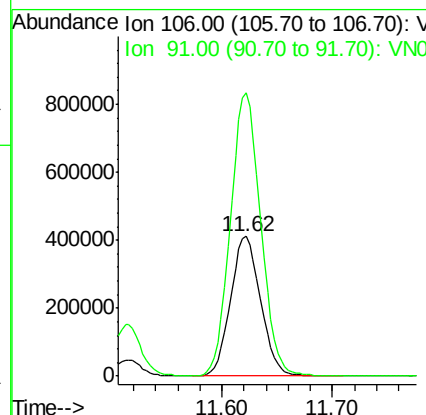
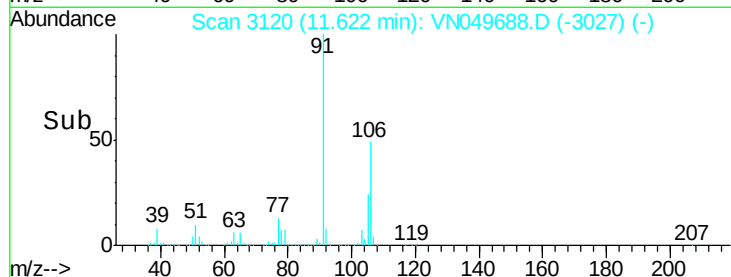
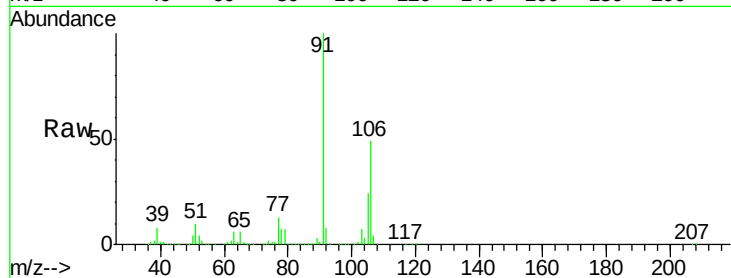
#68
m/p-Xylenes
Concen: 24.525 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN049688.D
Acq: 3 Jul 2018 12:52

Instrument :
MSVOA_N
ClientSampled :
DRUM-13DL

Tot Ion:106 Resp: 778753
Ion Ratio Lower Upper
106 100
91 203.3 163.4 245.2

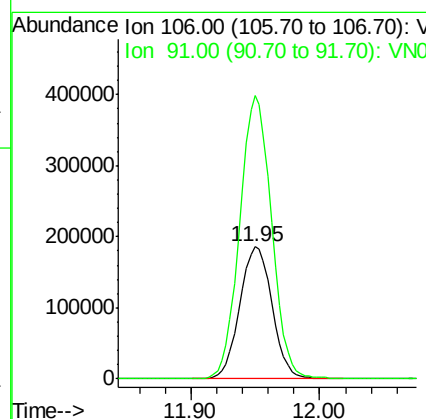
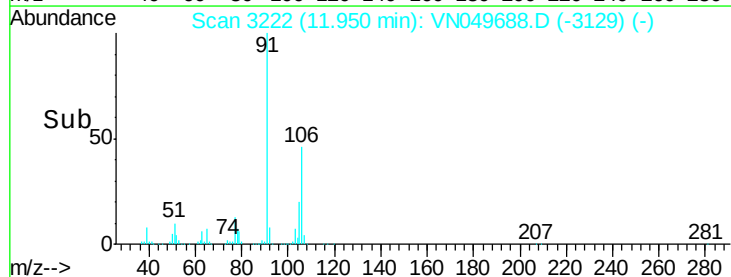
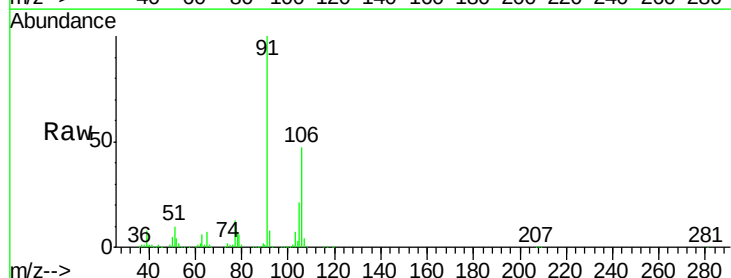
Manual Integrations
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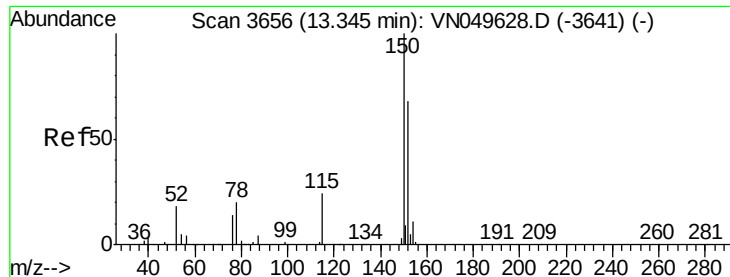
sam
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#69
o-Xylene
Concen: 10.660 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN049688.D
Acq: 3 Jul 2018 12:52

Tgt Ion:106 Resp: 324072
Ion Ratio Lower Upper
106 100
91 210.3 108.7 326.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3657

Delta R.T. 0.00 min

Lab File: VN049688.D

Acq: 3 Jul 2018 12:52

Instrument :

MSVOA_N

ClientSampled :

DRUM-13DL

Tot Ion:152 Resp: 845932

Ion Ratio Lower Upper

152 100

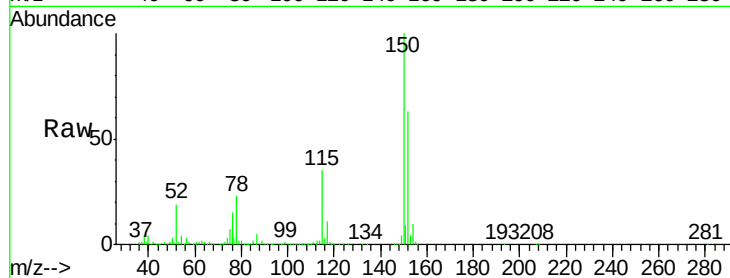
115 56.1 28.1 84.2

150 157.9 0.0 347.6

Manual Integrations
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sam

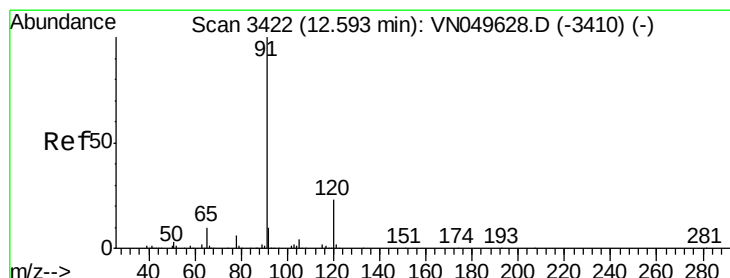
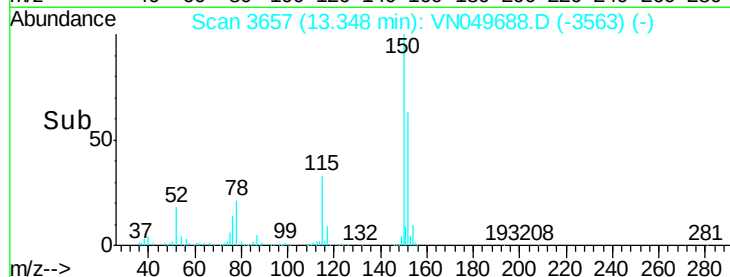
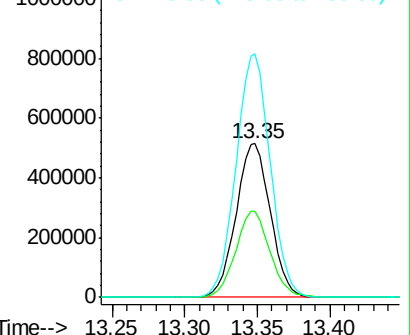
7/5/2018 2:26:49 PM



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



#78

n-propylbenzene

Concen: 1.125 ug/l

RT: 12.60 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN049688.D

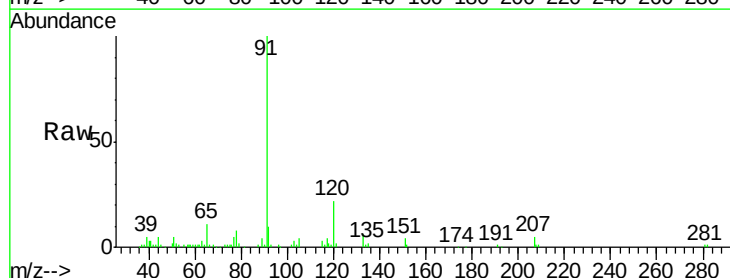
Acq: 3 Jul 2018 12:52

Tgt Ion: 91 Resp: 86863

Ion Ratio Lower Upper

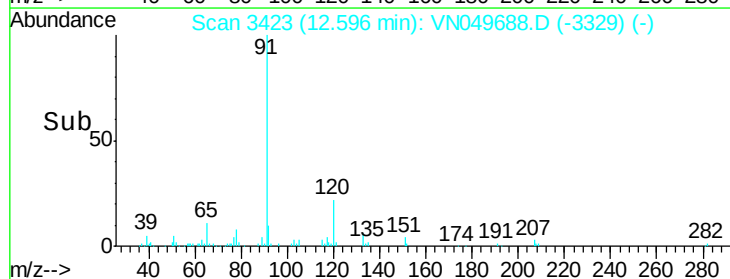
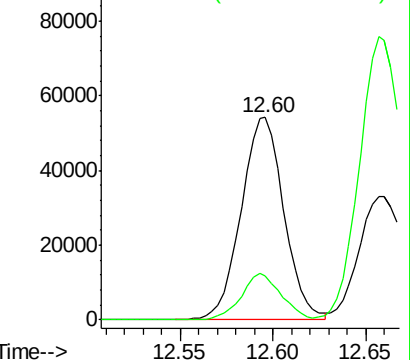
91 100

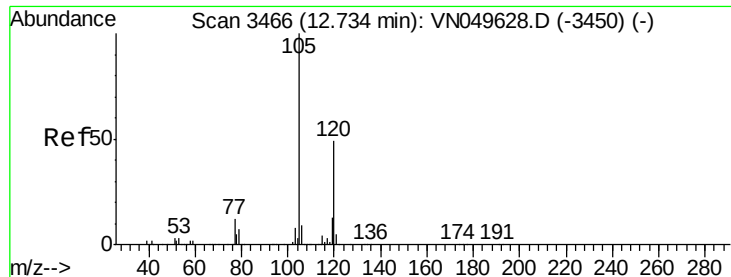
120 21.5 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





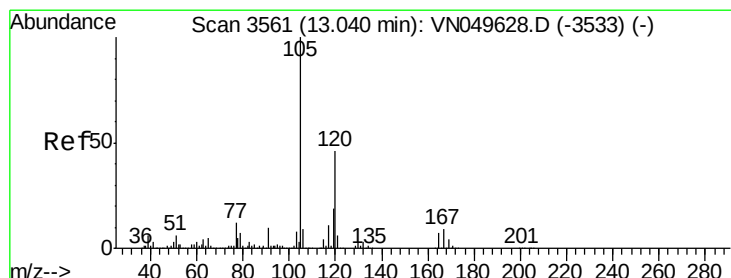
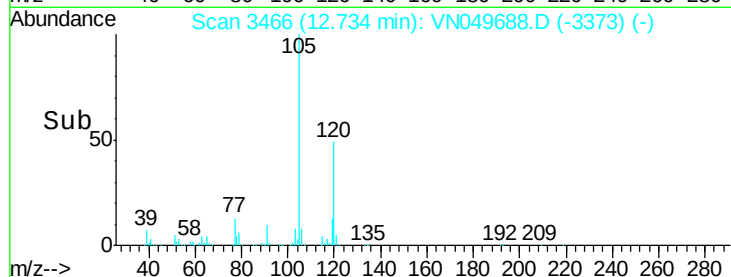
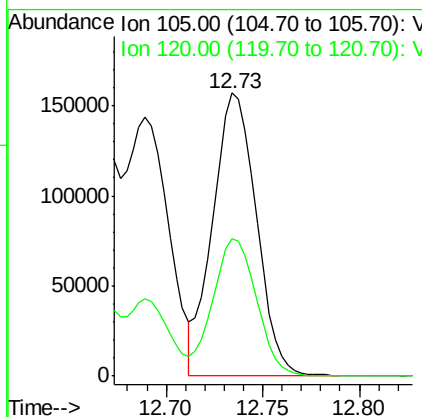
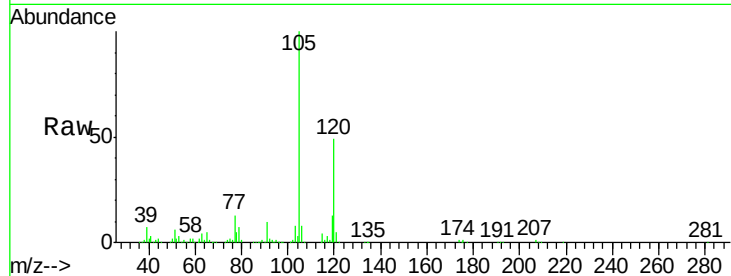
#80
 1,3,5-Trimethylbenzene
 Concen: 4.385 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. -0.00 min
 Lab File: VN049688.D
 Acq: 3 Jul 2018 12:52

Instrument :
 MSVOA_N
 ClientSampled :
 DRUM-13DL

Tot Ion:105 Resp: 245509
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.3 72.8

Manual Integrations
 APPROVED

sam
 7/5/2018 2:26:49 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 11.390 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN049688.D
 Acq: 3 Jul 2018 12:52

Tgt Ion:105 Resp: 655314
 Ion Ratio Lower Upper
 105 100
 120 45.5 22.7 68.1

