

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061418\
 Data File : VN049236.D
 Acq On : 14 Jun 2018 18:51
 Operator : MD\SY
 Sample : J3435-04DL 20X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 MW11DL

Manual Integrations
 APPROVED

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 6/15/2018 1:15:30 PM

Quant Time: Jun 15 11:36:43 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	600860	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1111998	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1170560	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	447113	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	406344	41.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.76%	
35) Dibromofluoromethane	7.59	113	357091	38.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.60%	
50) Toluene-d8	10.09	98	1404044	39.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.42%	
62) 4-Bromofluorobenzene	12.40	95	539505	45.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.80%	
Target Compounds						
					Qvalue	
31) Cyclohexane	7.66	56	294916	20.217	ug/l	98
39) Methylcyclohexane	9.08	83	116061	8.087	ug/l	94
67) Ethyl Benzene	11.51	91	1335849	25.643	ug/l	100
68) m/p-Xylenes	11.63	106	859512	45.118	ug/l	99
69) o-Xylene	11.95	106	220774	12.034	ug/l	99
73) Isopropylbenzene	12.25	105	127411	2.967	ug/l	100
78) n-propylbenzene	12.59	91	360447	7.555	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	376549	11.436	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	1768421	54.033	ug/l	100
95) Naphthalene	15.14	128	139581	13.431	ug/l	99

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

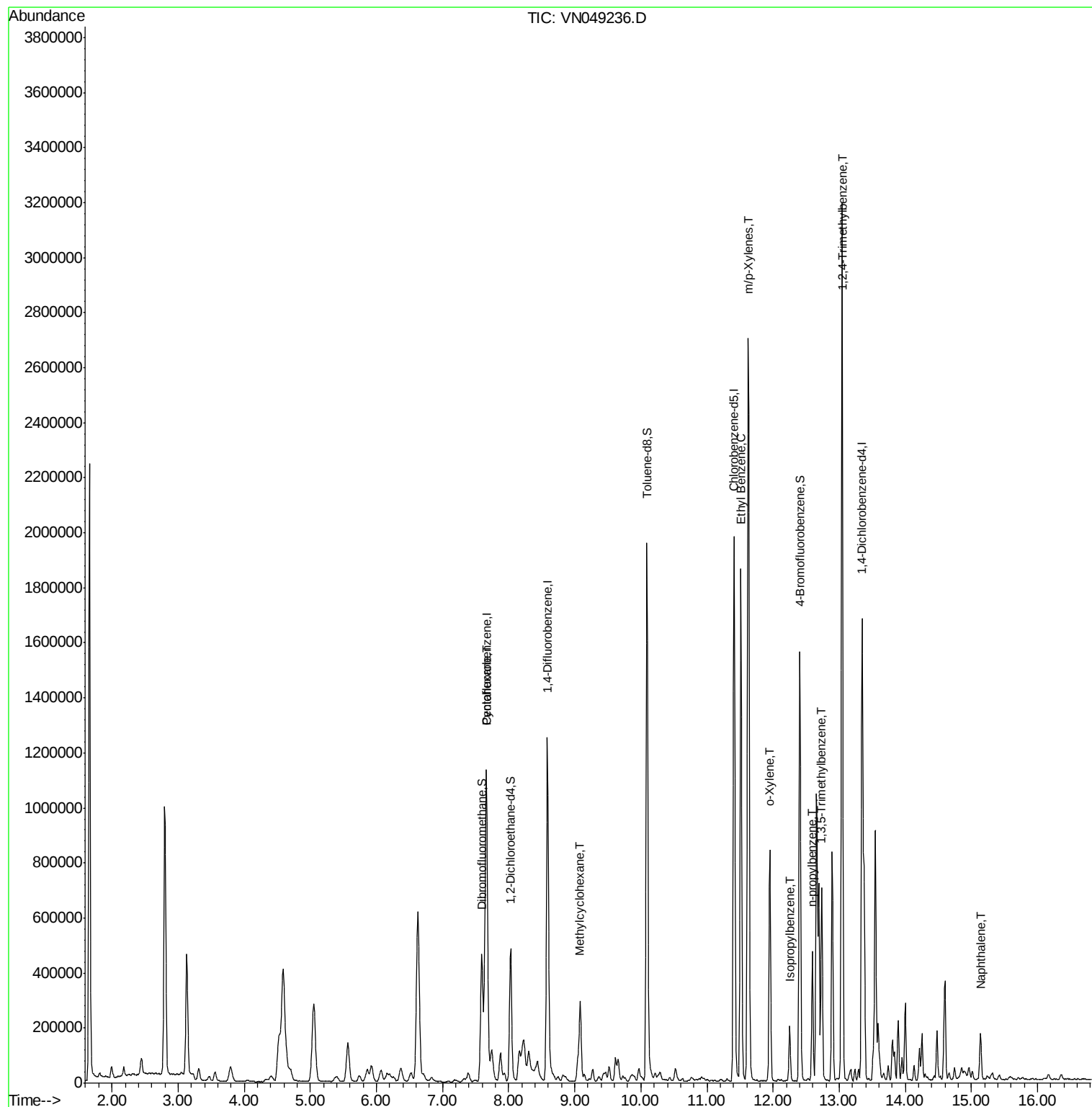
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN061418\
Data File : VN049236.D
Acq On : 14 Jun 2018 18:51
Operator : MD\SY
Sample : J3435-04DL 20X
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 22 Sample Multiplier: 1

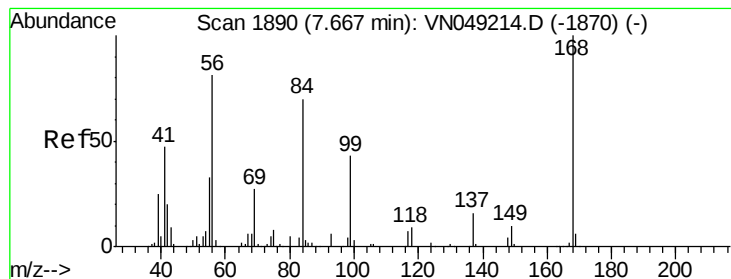
Instrument :
MSVOA_N
ClientSampleId :
MW11DL

Manual Integrations
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Quant Time: Jun 15 11:36:43 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: VN049236.D

Acq: 14 Jun 2018 18:51

Instrument :

MSVOA_N

ClientSampleId :

MW11DL

Tot Ion:168 Resp: 600860

Ion Ratio Lower Upper

168 100

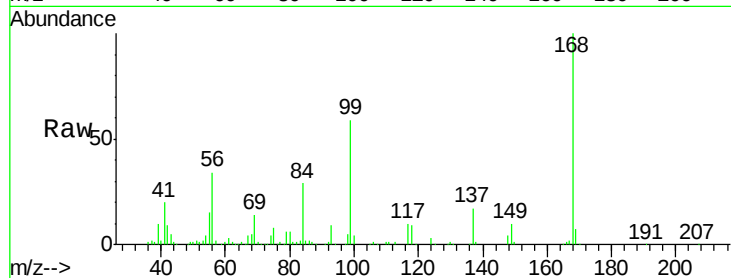
99 59.4 45.8 68.6

Manual Integrations

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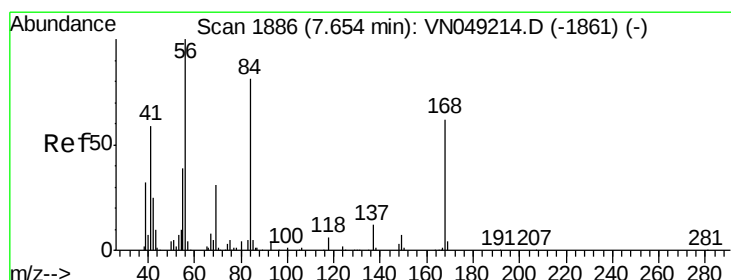
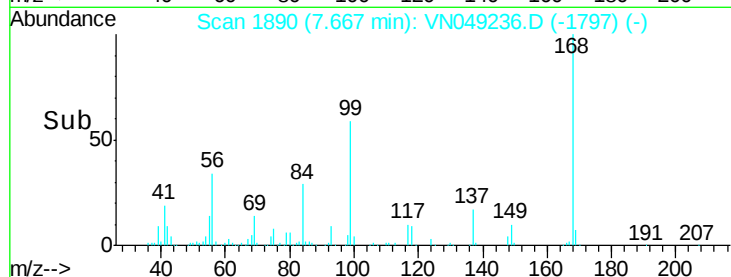
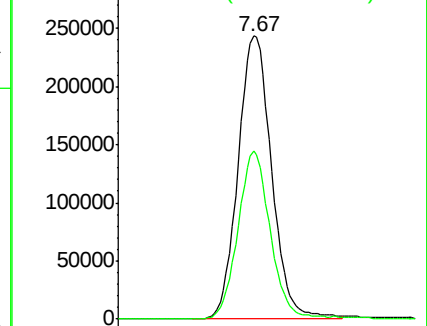
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#31

Cyclohexane

Concen: 20.217 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN049236.D

Acq: 14 Jun 2018 18:51

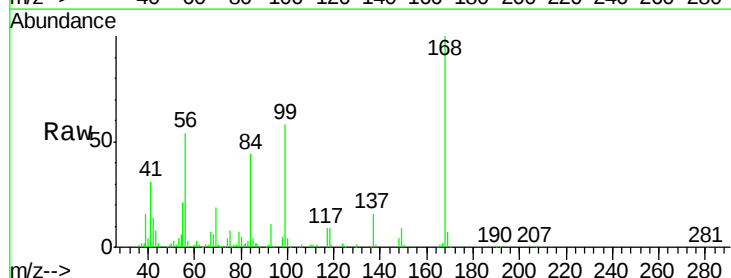
Tgt Ion: 56 Resp: 294916

Ion Ratio Lower Upper

56 100

69 34.3 25.0 37.4

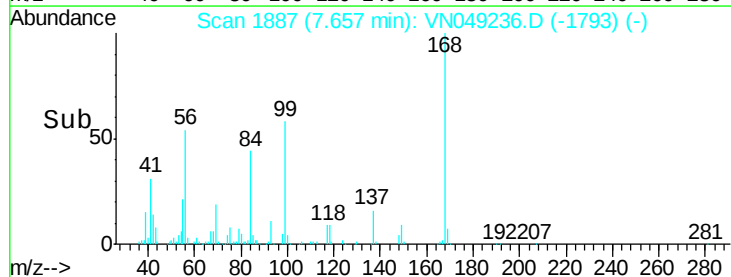
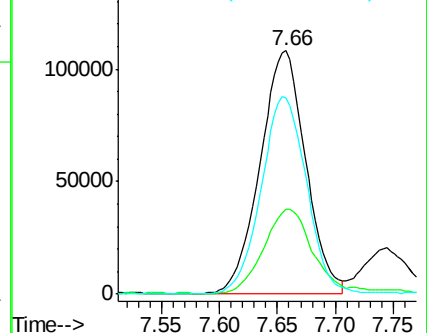
84 81.0 64.6 96.8

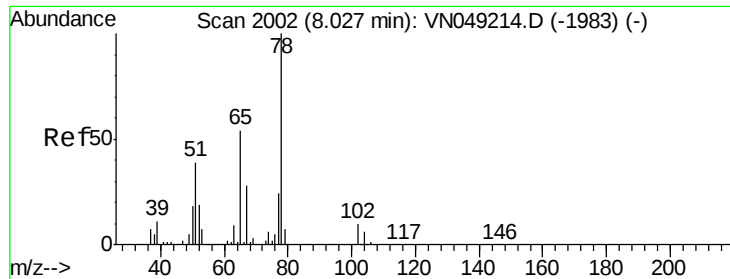


Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 69.00 (68.70 to 69.70): VN

Ion 84.00 (83.70 to 84.70): VN





#33

1,2-Dichloroethane-d4

Concen: 41.883 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049236.D

Acq: 14 Jun 2018 18:51

Instrument :

MSVOA_N

ClientSampleId :

MW11DL

Tot Ion: 65 Resp: 406344

Ion Ratio Lower Upper

65 100

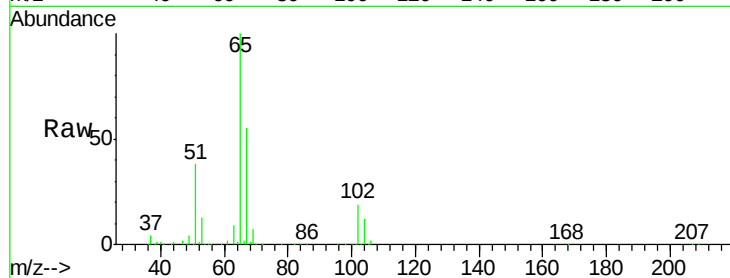
67 53.5 0.0 103.8

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Abundance Ion 64.90 (64.60 to 65.60): VN049236.D (-1909) (-)

Ion 66.90 (66.60 to 67.60): VN049236.D (-1909) (-)

8.03

200000

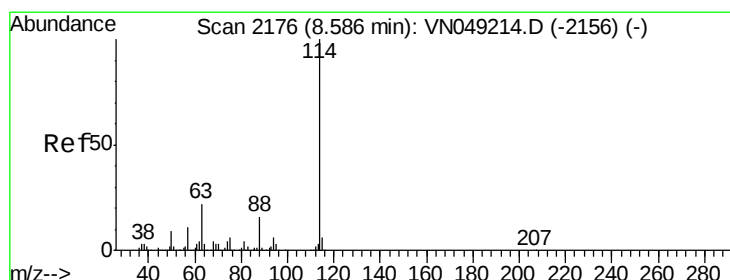
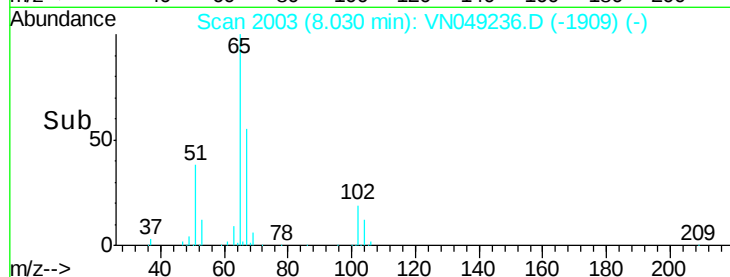
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN049236.D

Acq: 14 Jun 2018 18:51

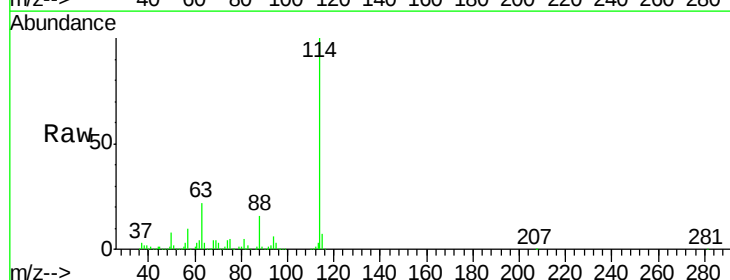
Tgt Ion: 114 Resp: 1111998

Ion Ratio Lower Upper

114 100

63 22.2 0.0 44.4

88 15.8 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): VN049236.D (-2083) (-)

Ion 63.00 (62.70 to 63.70): VN049236.D (-2083) (-)

Ion 87.90 (87.60 to 88.60): VN049236.D (-2083) (-)

8.59

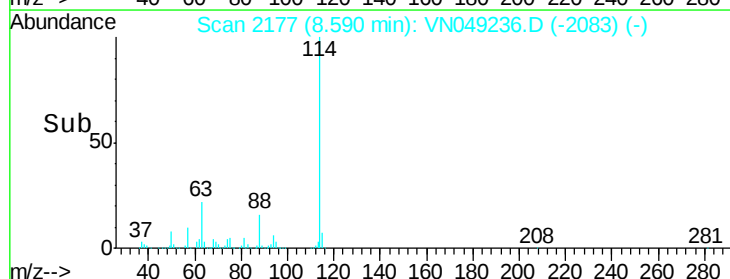
600000

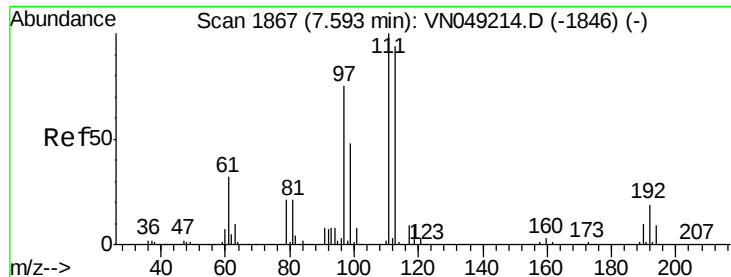
400000

200000

0

Time-->





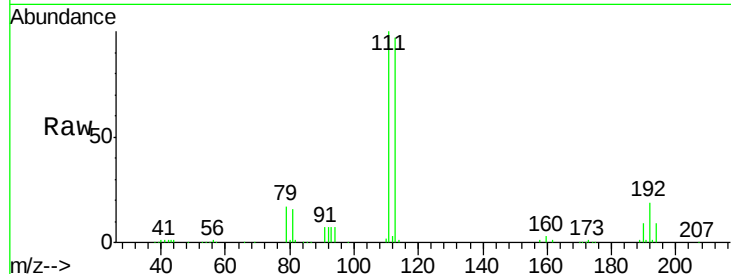
#35
Dibromofluoromethane
Concen: 38.798 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN049236.D
Acq: 14 Jun 2018 18:51

Instrument :
MSVOA_N
ClientSampleId :
MW11DL

Tot Ion	Ratio	Resp	Lower	Upper
113	100	357091		
111	104.0		82.4	123.6
192	19.9		15.0	22.6

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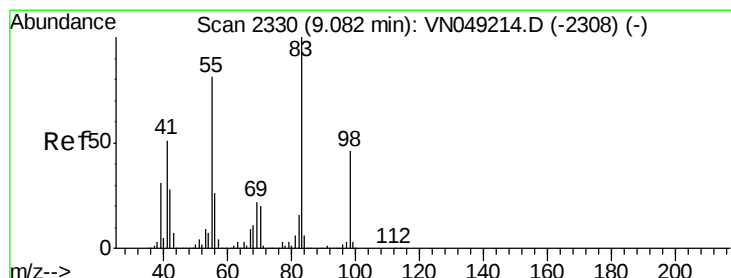
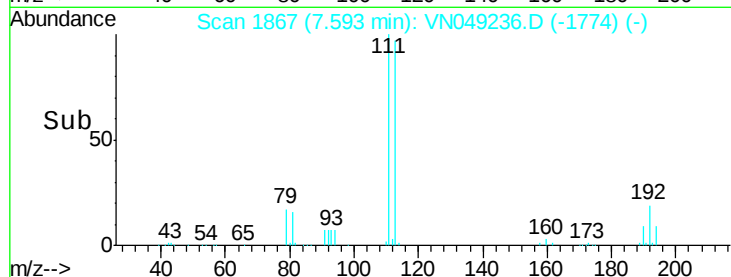
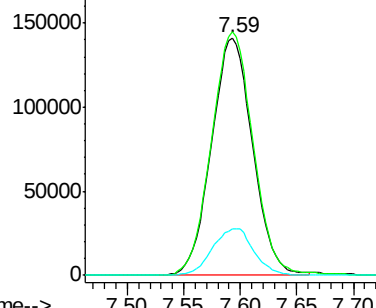


Abundance

Ion 112.80 (112.50 to 113.50): V

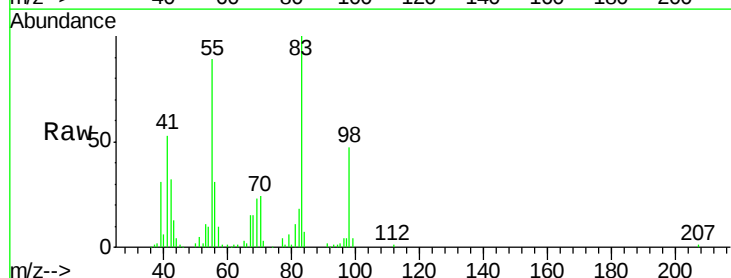
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#39
Methylcyclohexane
Concen: 8.087 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049236.D
Acq: 14 Jun 2018 18:51

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	116061		
55	88.1		65.1	97.7
98	47.1		36.5	54.7

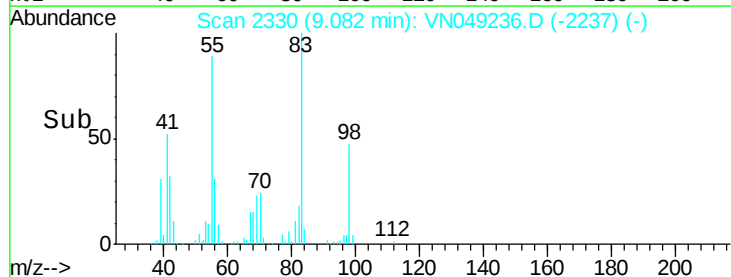
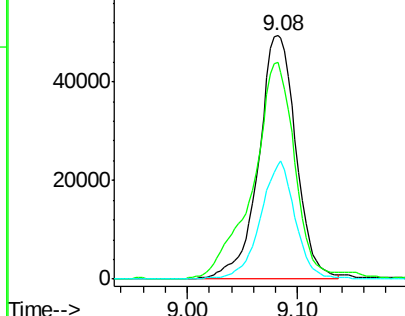


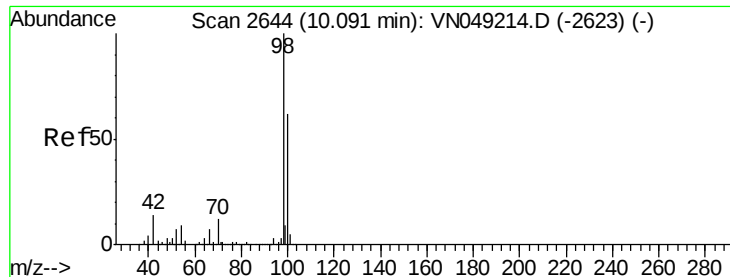
Abundance

Ion 83.00 (82.70 to 83.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.00 (97.70 to 98.70): V





#50

Toluene-d8

Concen: 39.214 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN049236.D

Acq: 14 Jun 2018 18:51

Instrument :

MSVOA_N

ClientSampleId :

MW11DL

Tot Ion: 98 Resp: 1404044

Ion Ratio Lower Upper

98 100

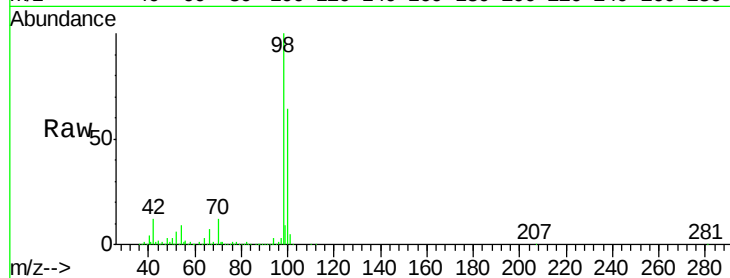
100 63.7 49.8 74.8

Manual Integrations

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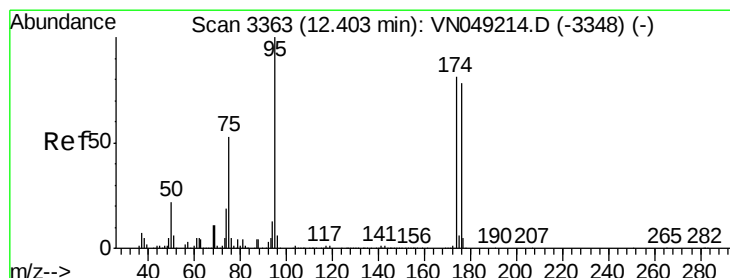
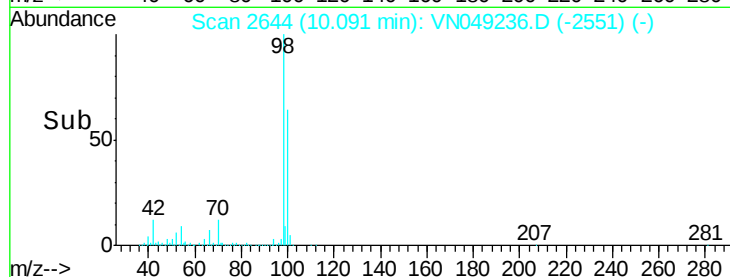
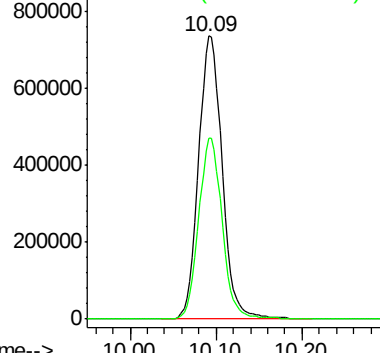
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Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#62

4-Bromofluorobenzene

Concen: 45.401 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049236.D

Acq: 14 Jun 2018 18:51

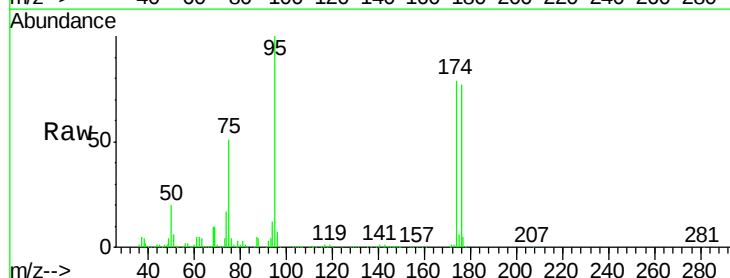
Tgt Ion: 95 Resp: 539505

Ion Ratio Lower Upper

95 100

174 81.8 0.0 165.6

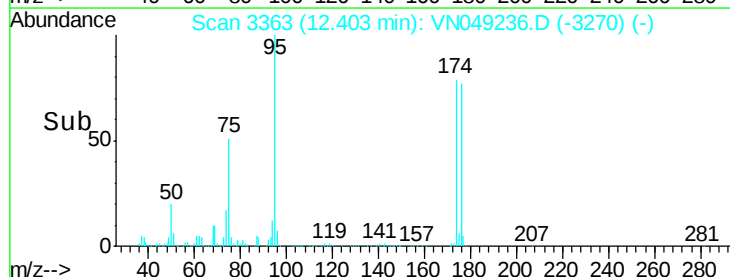
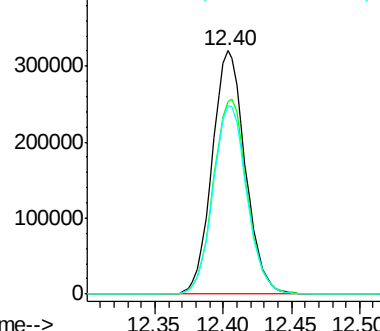
176 78.8 0.0 157.4

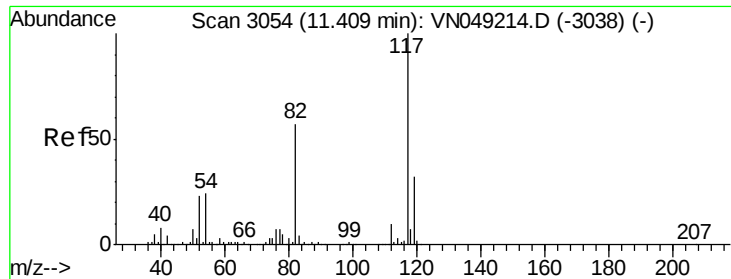


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN

Ion 175.80 (175.50 to 176.50): VN





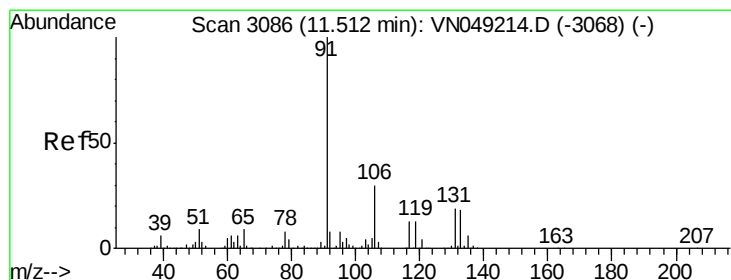
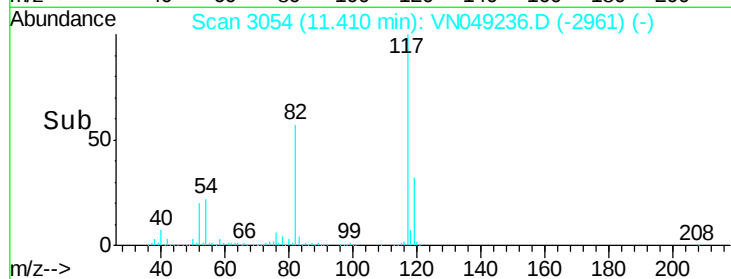
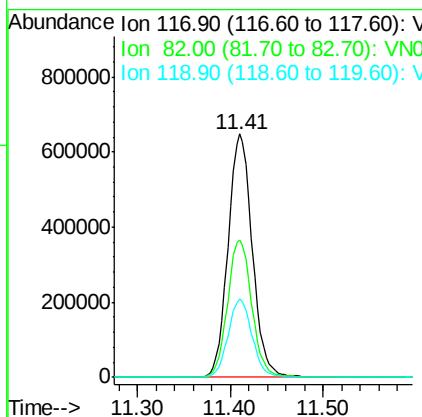
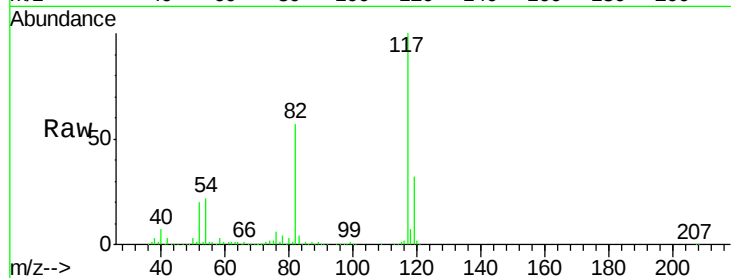
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049236.D
Acq: 14 Jun 2018 18:51

Instrument :
MSVOA_N
ClientSampleId :
MW11DL

Tot Ion:117 Resp: 1170560
Ion Ratio Lower Upper
117 100
82 56.6 45.9 68.9
119 32.3 25.5 38.3

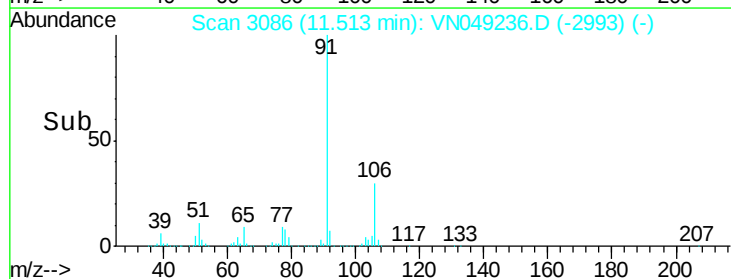
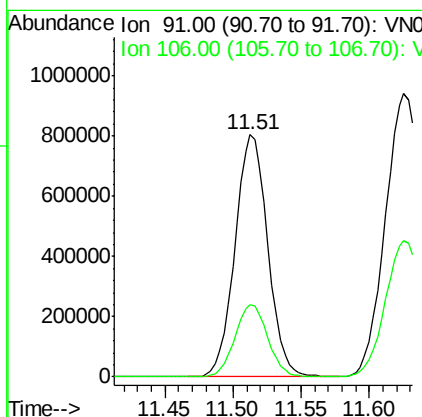
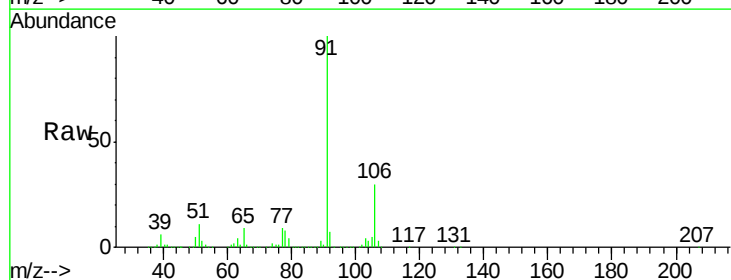
Manual Integrations
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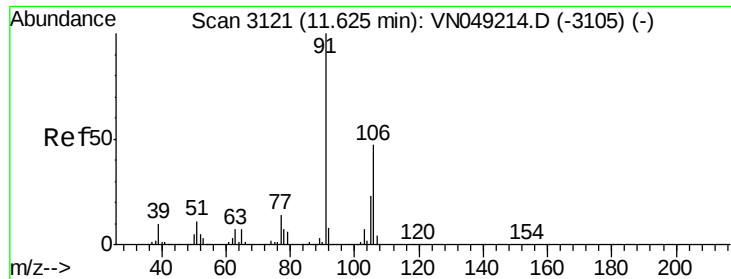
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#67
Ethyl Benzene
Concen: 25.643 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049236.D
Acq: 14 Jun 2018 18:51

Tgt Ion: 91 Resp: 1335849
Ion Ratio Lower Upper
91 100
106 29.8 23.9 35.9





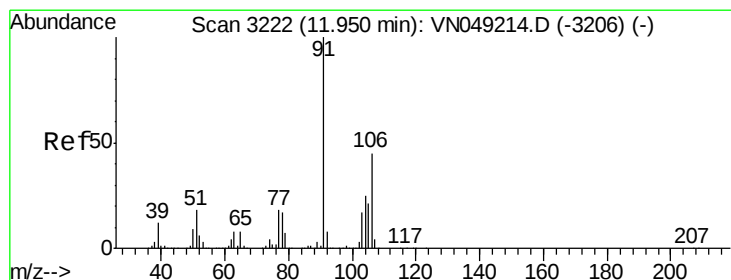
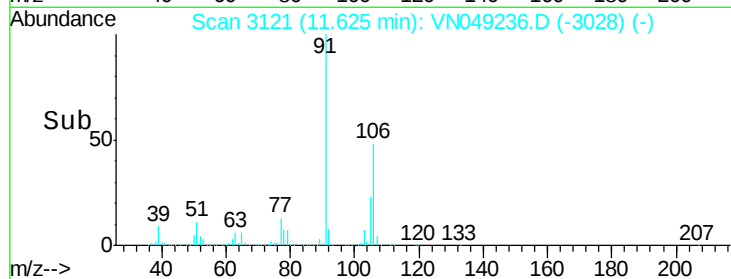
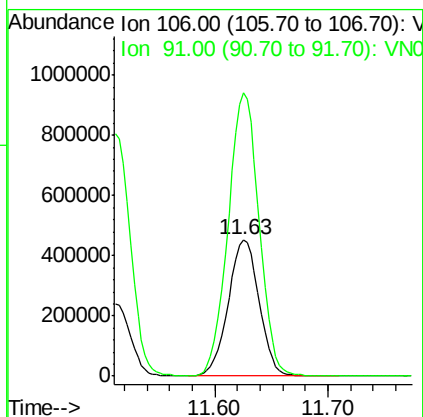
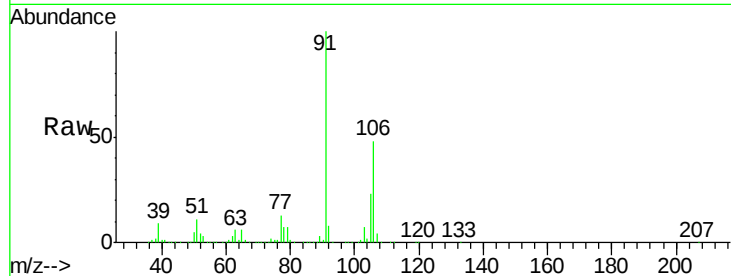
#68
m/p-Xylenes
Concen: 45.118 ug/l
RT: 11.63 min Scan# 3121
Delta R.T. 0.00 min
Lab File: VN049236.D
Acq: 14 Jun 2018 18:51

Instrument :
MSVOA_N
ClientSampled :
MW11DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	207.8	167.3	250.9		

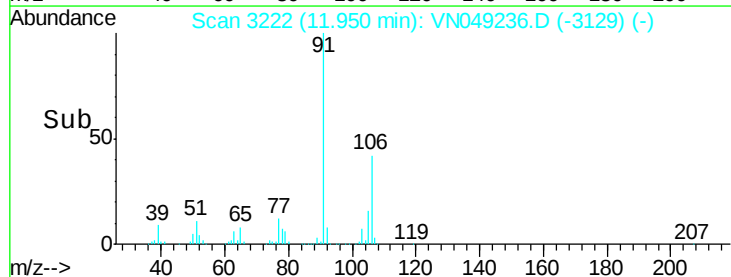
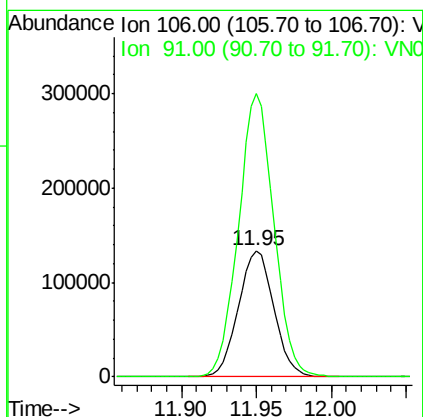
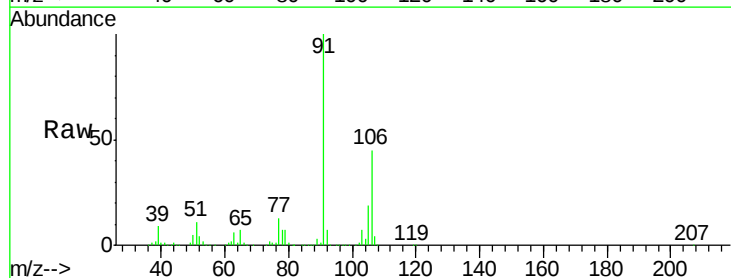
Manual Integrations
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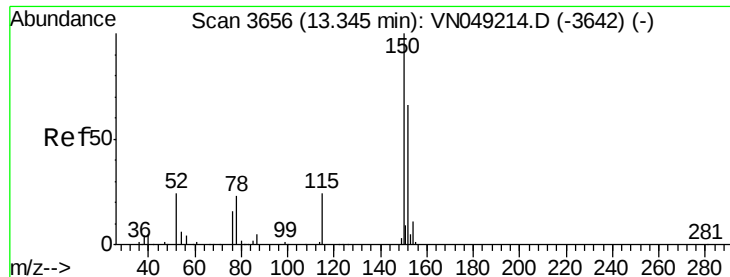
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#69
o-Xylene
Concen: 12.034 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049236.D
Acq: 14 Jun 2018 18:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	223.4	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: VN049236.D

Acq: 14 Jun 2018 18:51

Instrument :

MSVOA_N

ClientSampled :

MW11DL

Tot Ion:152 Resp: 447113

Ion Ratio Lower Upper

152 100

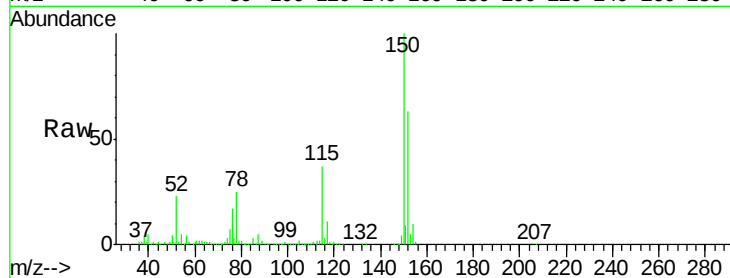
115 62.1 28.7 86.1

150 158.4 0.0 351.0

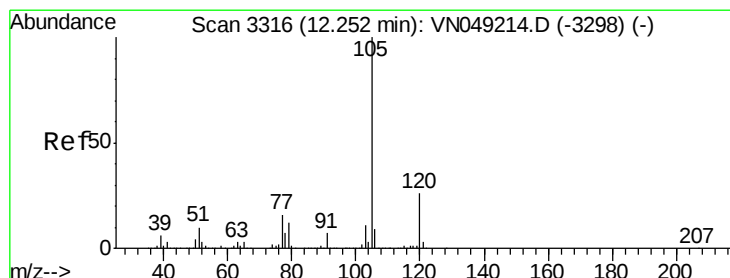
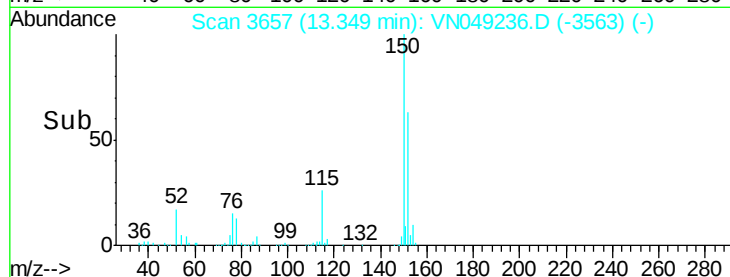
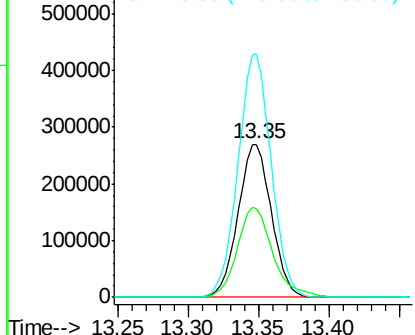
Manual Integrations
APPROVED

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6/15/2018 1:15:30 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: 2.967 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049236.D

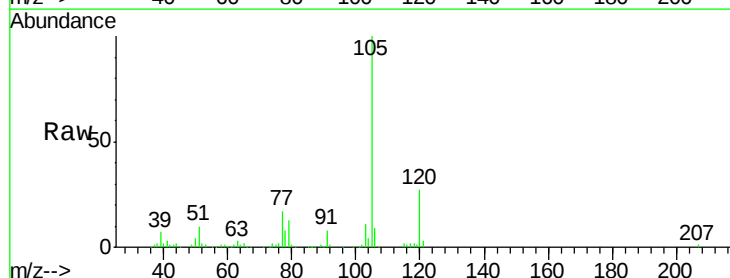
Acq: 14 Jun 2018 18:51

Tgt Ion:105 Resp: 127411

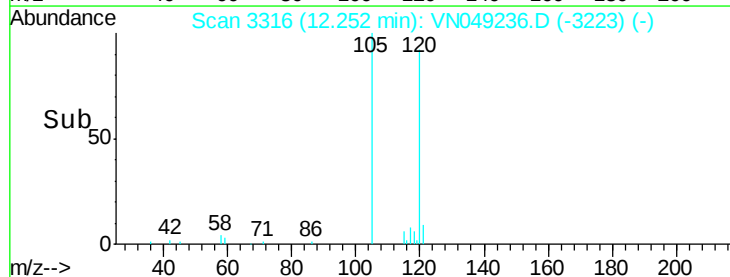
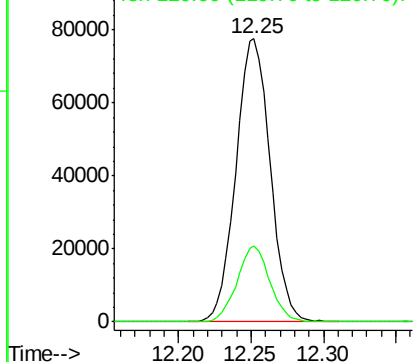
Ion Ratio Lower Upper

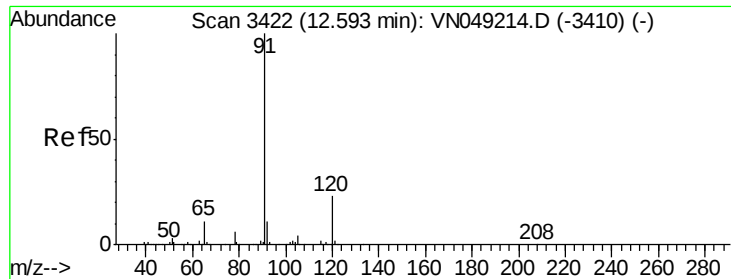
105 100

120 25.7 12.8 38.3



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





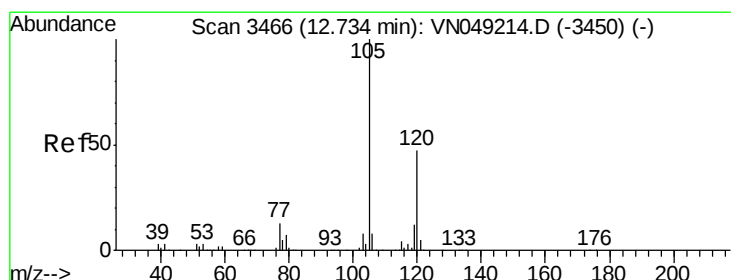
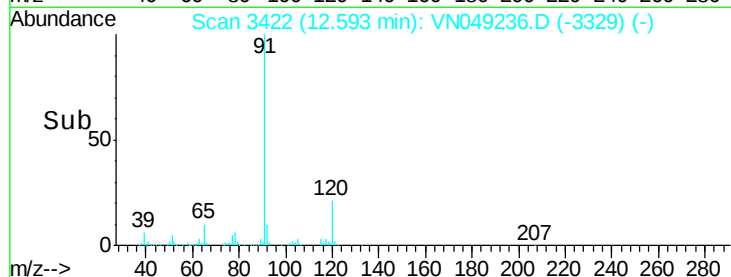
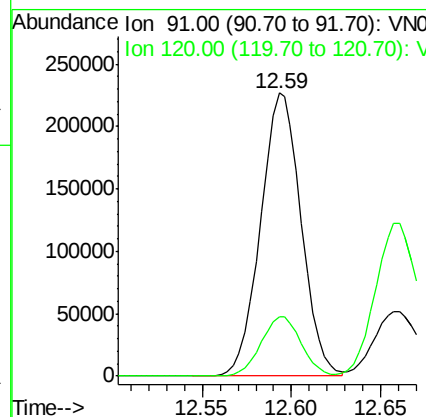
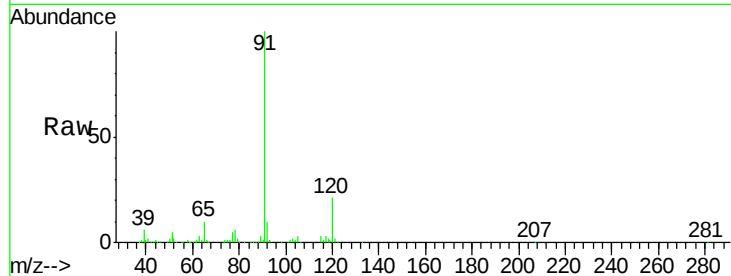
#78
n-propylbenzene
Concen: 7.555 ug/l
RT: 12.59 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN049236.D
Acq: 14 Jun 2018 18:51

Instrument :
MSVOA_N
ClientSampled :
MW11DL

Tot Ion: 91 Resp: 360447
Ion Ratio Lower Upper
91 100
120 20.9 11.2 33.5

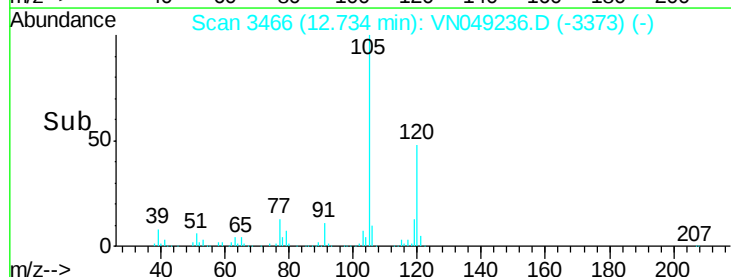
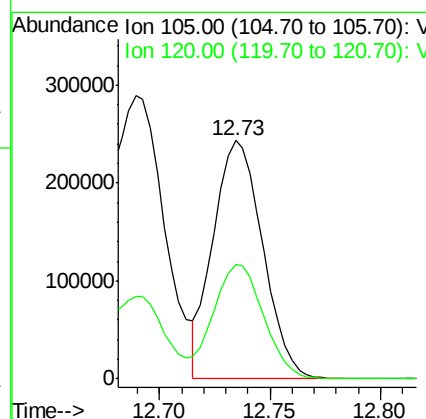
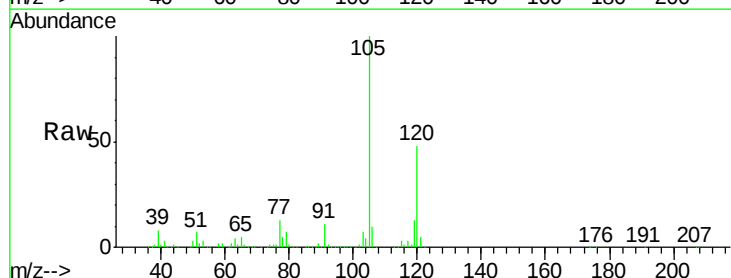
Manual Integrations
APPROVED

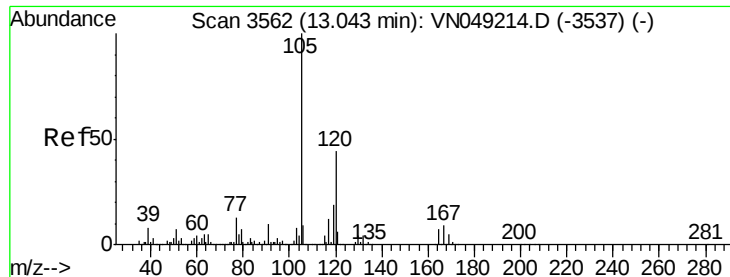
MMDadoda
6/15/2018 1:15:30 PM



#80
1,3,5-Trimethylbenzene
Concen: 11.436 ug/l
RT: 12.73 min Scan# 3466
Delta R.T. 0.00 min
Lab File: VN049236.D
Acq: 14 Jun 2018 18:51

Tgt Ion: 105 Resp: 376549
Ion Ratio Lower Upper
105 100
120 49.4 23.5 70.5





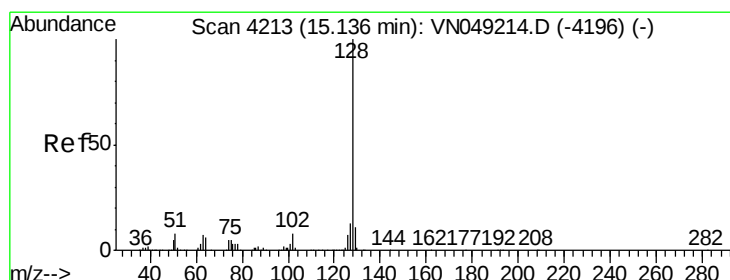
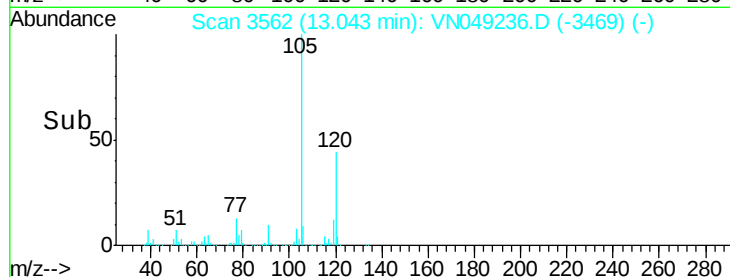
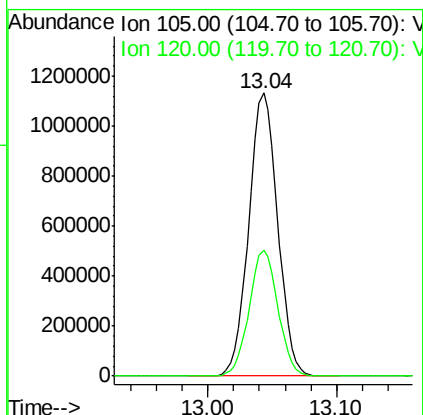
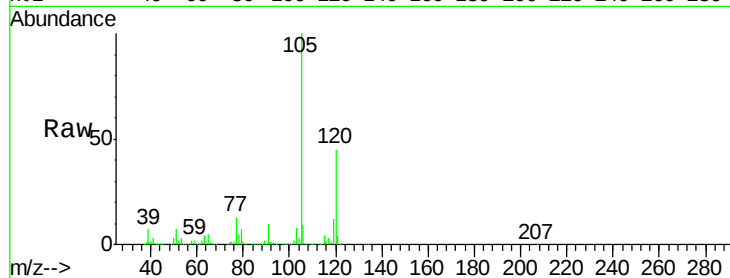
#84
 1,2,4-Trimethylbenzene
 Concen: 54.033 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN049236.D
 Acq: 14 Jun 2018 18:51

Instrument :
 MSVOA_N
 ClientSampleId :
 MW11DL

Tot Ion:105 Resp: 1768421
 Ion Ratio Lower Upper
 105 100
 120 44.3 22.2 66.6

Manual Integrations
 APPROVED

MMDadoda
 6/15/2018 1:15:30 PM



#95
 Naphthalene
 Concen: 13.431 ug/l
 RT: 15.14 min Scan# 4213
 Delta R.T. 0.00 min
 Lab File: VN049236.D
 Acq: 14 Jun 2018 18:51

Tgt Ion:128 Resp: 139581
 Ion Ratio Lower Upper
 128 100
 127 12.9 10.6 16.0
 129 10.4 8.5 12.7

