

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061418\
 Data File : VN049230.D
 Acq On : 14 Jun 2018 16:16
 Operator : MD\SY
 Sample : J3435-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW10

Manual Integrations
 APPROVED

MMDadoda
 6/15/2018 1:15:25 PM

Quant Time: Jun 15 05:34:03 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	657064	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1185776	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1241224	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	572803	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	404979	38.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.34%	
35) Dibromofluoromethane	7.59	113	363951	37.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.16%	
50) Toluene-d8	10.09	98	1510801	39.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.14%	
62) 4-Bromofluorobenzene	12.40	95	610813	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	
Target Compounds						
					Qvalue	
17) Carbon Disulfide	4.05	76	39200	1.400	ug/l	95
25) 2-Butanone	6.84	43	144118	39.702	ug/l #	88
31) Cyclohexane	7.65	56	3332599	212.341	ug/l	98
39) Methylcyclohexane	9.08	83	1370816	89.573	ug/l	99
52) Toluene	10.16	92	775529	29.696	ug/l	98
67) Ethyl Benzene	11.50	91	19103173m	345.823	ug/l	
68) m/p-Xylenes	11.63	106	5983537	296.209	ug/l	100
69) o-Xylene	11.95	106	2075927	106.710	ug/l	99
73) Isopropylbenzene	12.25	105	1289830	23.444	ug/l	99
78) n-propylbenzene	12.59	91	3082947	50.442	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1377661	32.658	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	10400344	248.045	ug/l	100
85) sec-Butylbenzene	13.17	105	211600m	4.368	ug/l	
86) p-Isopropyltoluene	13.29	119	90191	2.299	ug/l #	76
89) n-Butylbenzene	13.62	91	145868m	5.671	ug/l	
95) Naphthalene	15.14	128	2368875	111.608	ug/l	99

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

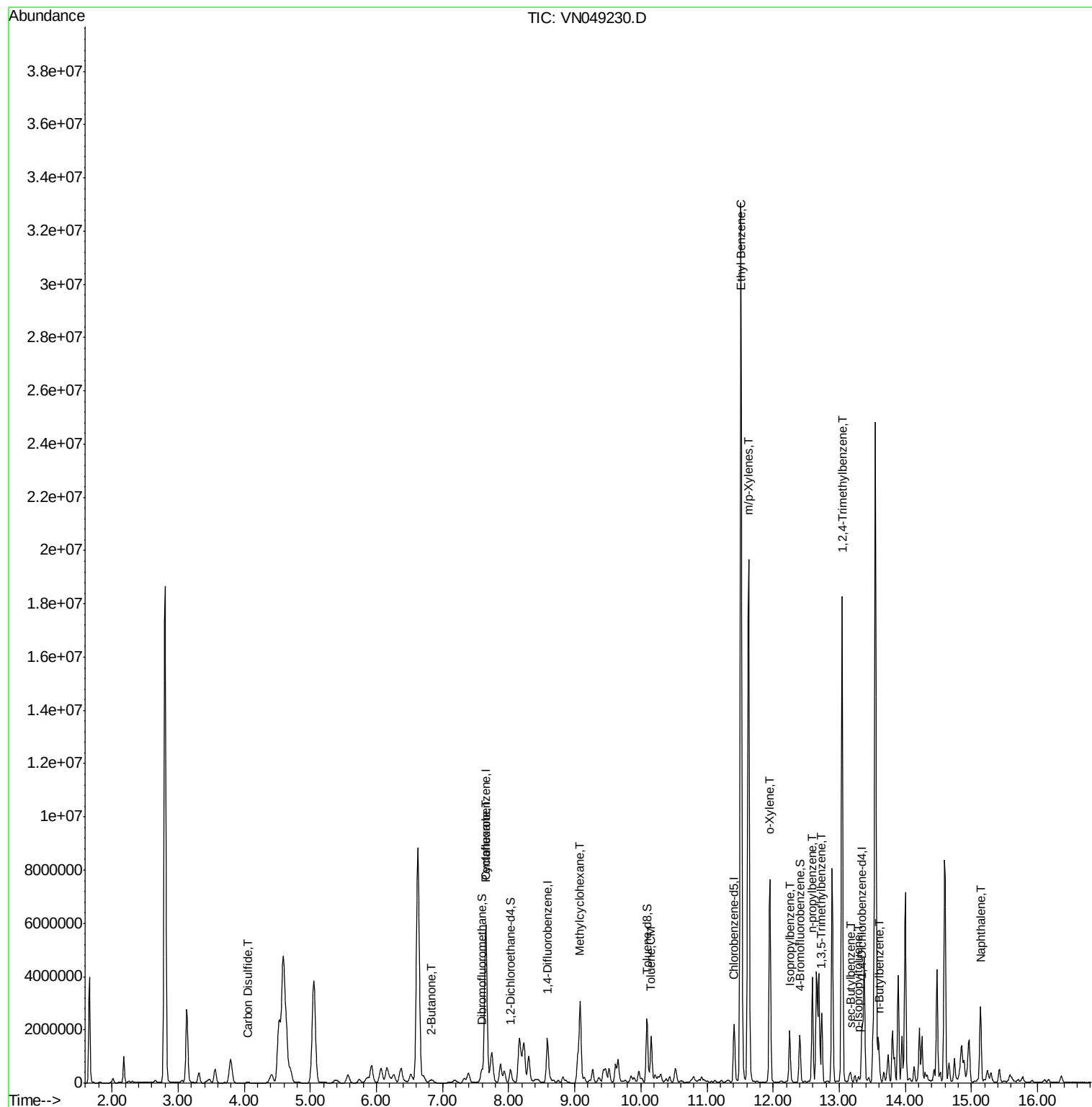
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN061418\
Data File : VN049230.D
Acq On : 14 Jun 2018 16:16
Operator : MD\SY
Sample : J3435-03
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 13 Sample Multiplier: 1

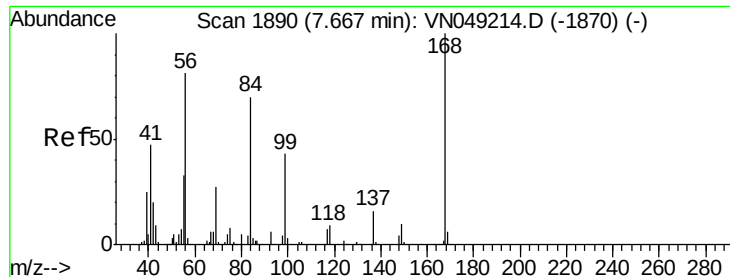
Instrument :
MSVOA_N
ClientSampleId :
MW10

Manual Integrations
APPROVED

MMDadoda
6/15/2018 1:15:25 PM

Quant Time: Jun 15 05:34:03 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: VN049230.D

Acq: 14 Jun 2018 16:16

Instrument :

MSVOA_N

ClientSampleId :

MW10

Tot Ion:168 Resp: 657064

Ion Ratio Lower Upper

168 100

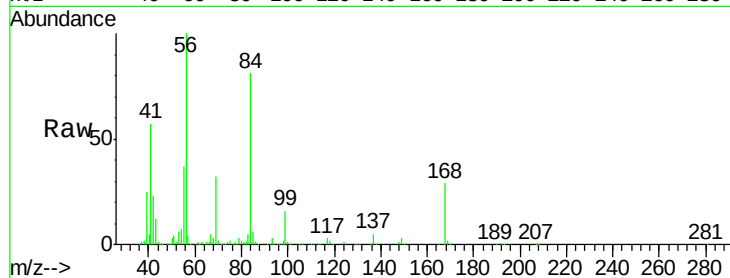
99 55.7 45.8 68.6

Manual Integrations

APPROVED

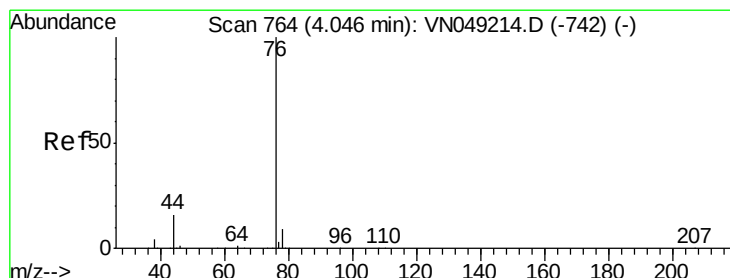
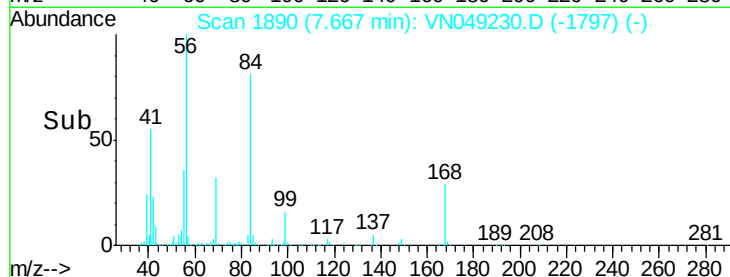
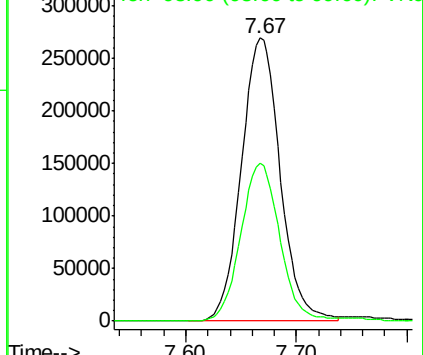
MMDadoda

6/15/2018 1:15:25 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#17

Carbon Disulfide

Concen: 1.400 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN049230.D

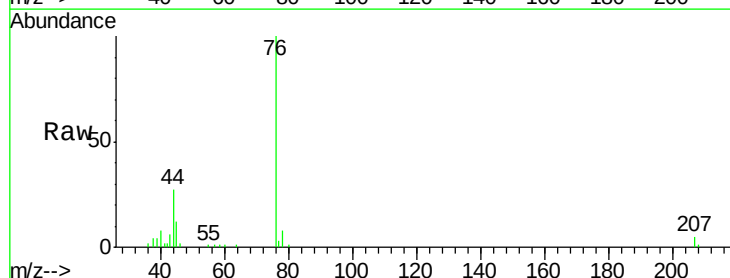
Acq: 14 Jun 2018 16:16

Tgt Ion: 76 Resp: 39200

Ion Ratio Lower Upper

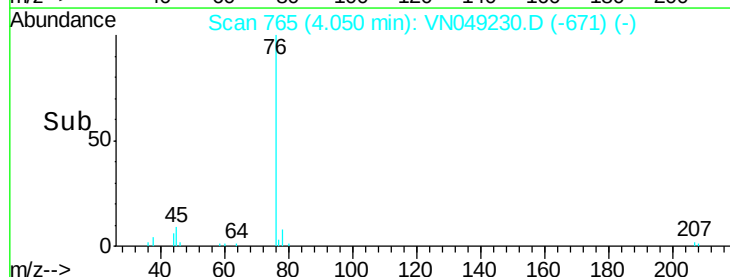
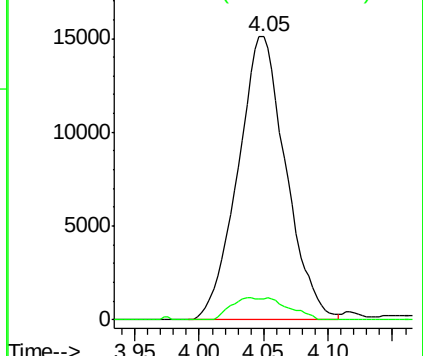
76 100

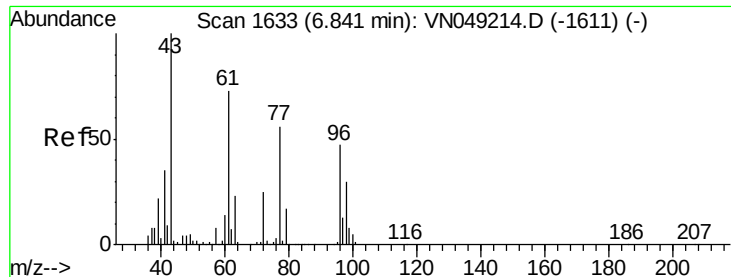
78 7.5 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0





#25

2-Butanone

Concen: 39.702 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN049230.D

Acq: 14 Jun 2018 16:16

Instrument :

MSVOA_N

ClientSampled :

MW10

Tot Ion: 43 Resp: 144118

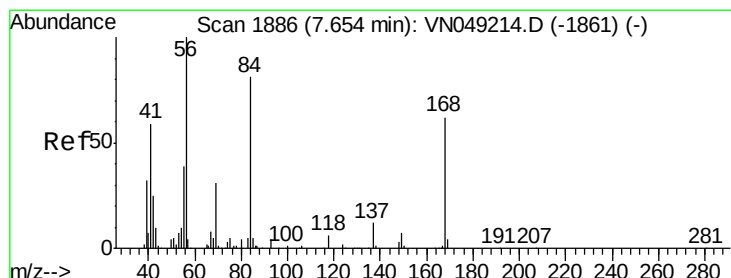
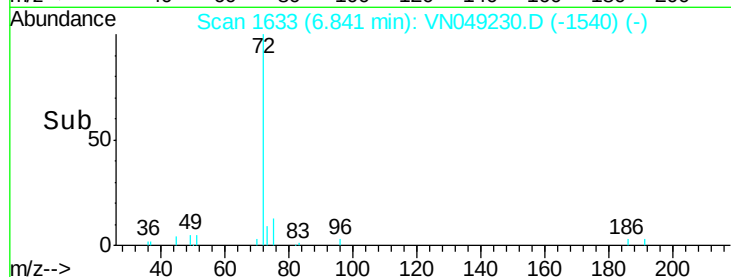
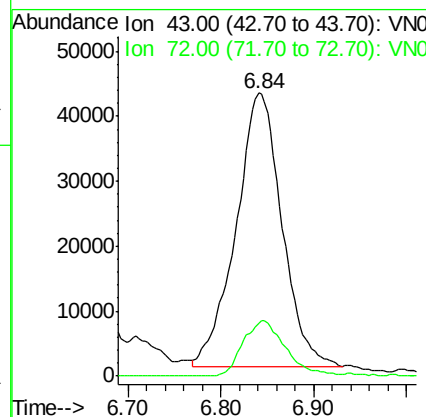
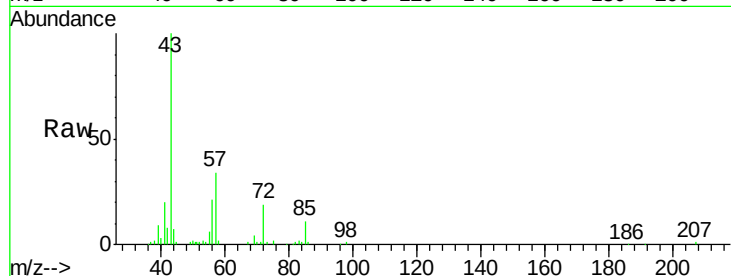
Ion Ratio Lower Upper

43 100

72 19.3 20.2 30.2#

Manual Integrations
APPROVED

MMDadoda
6/15/2018 1:15:25 PM



#31

Cyclohexane

Concen: 212.341 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VN049230.D

Acq: 14 Jun 2018 16:16

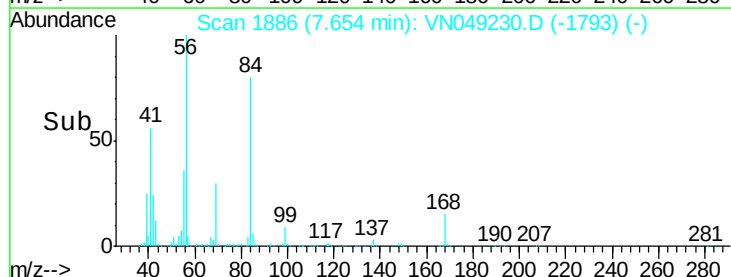
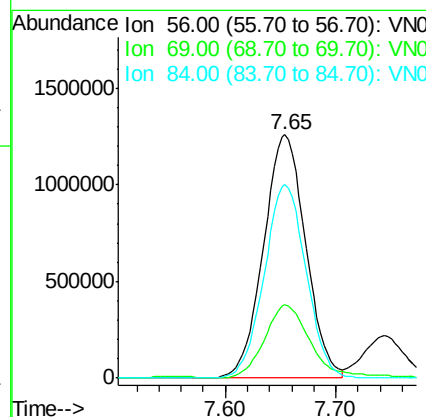
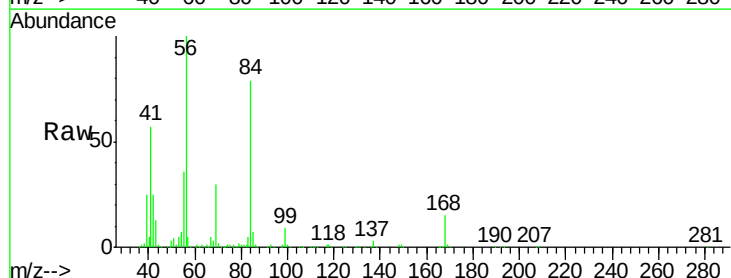
Tgt Ion: 56 Resp: 3332599

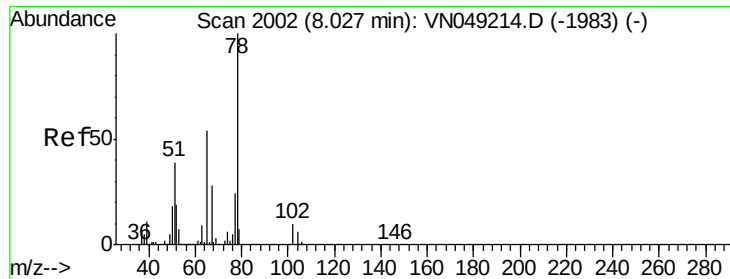
Ion Ratio Lower Upper

56 100

69 29.6 25.0 37.4

84 79.5 64.6 96.8





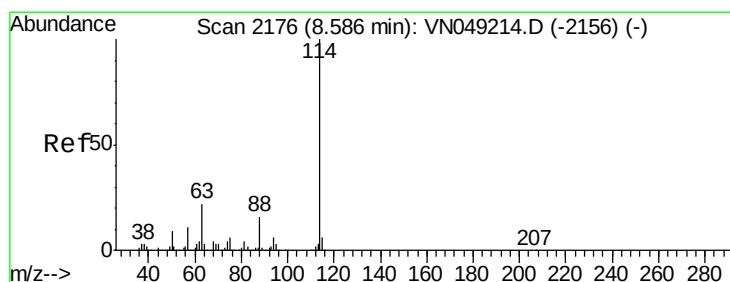
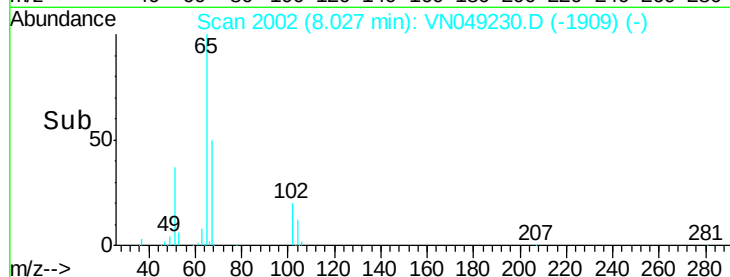
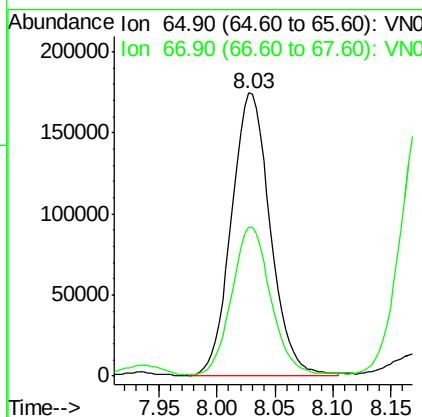
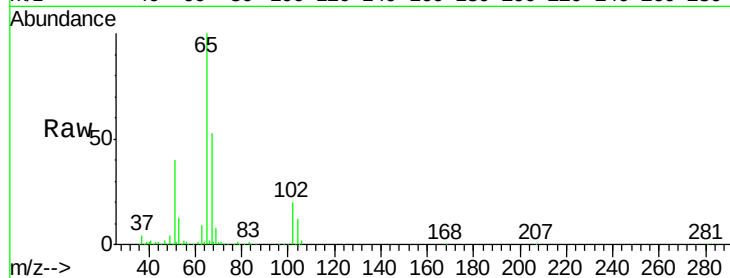
#33
 1,2-Dichloroethane-d4
 Concen: 38.172 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049230.D
 Acq: 14 Jun 2018 16:16

Instrument :
 MSVOA_N
 ClientSampleId :
 MW10

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.0	0.0	103.8	

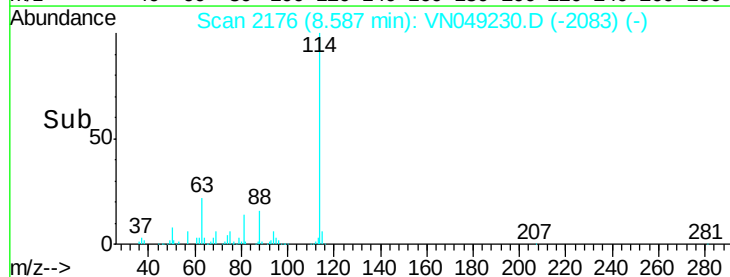
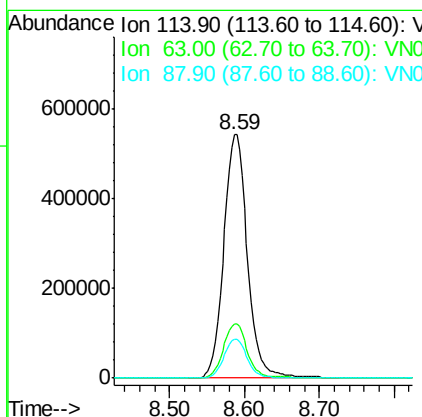
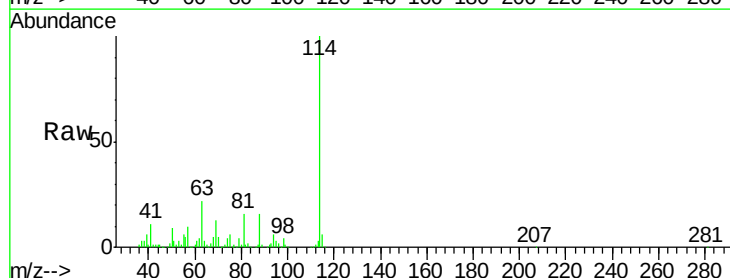
Manual Integrations
 APPROVED

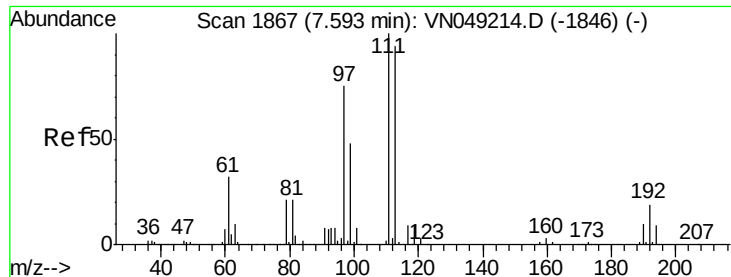
MMDadoda
 6/15/2018 1:15:25 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049230.D
 Acq: 14 Jun 2018 16:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.1	0.0	44.4	
88	16.0	0.0	31.4	





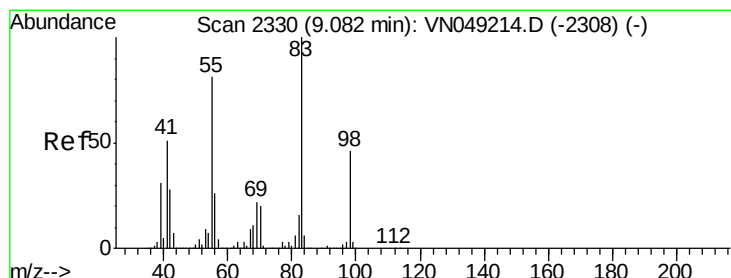
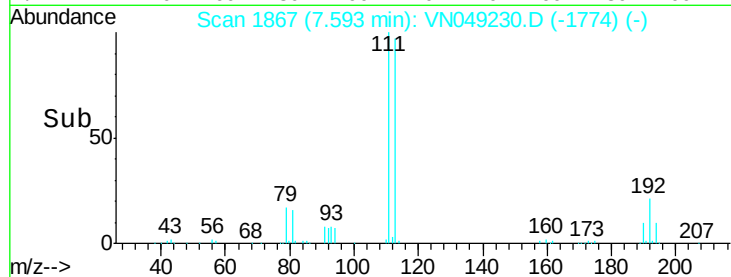
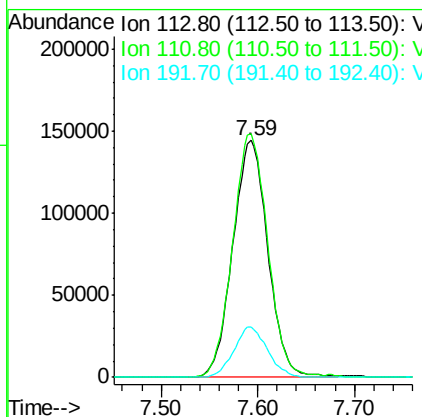
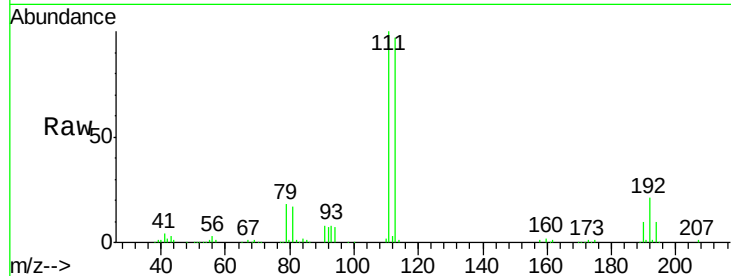
#35
Dibromofluoromethane
Concen: 37.083 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN049230.D
Acq: 14 Jun 2018 16:16

Instrument :
MSVOA_N
ClientSampleId :
MW10

Tot Ion	Ratio	Resp	Lower	Upper
113	100	363951		
111	103.6	82.4	123.6	
192	20.5	15.0	22.6	

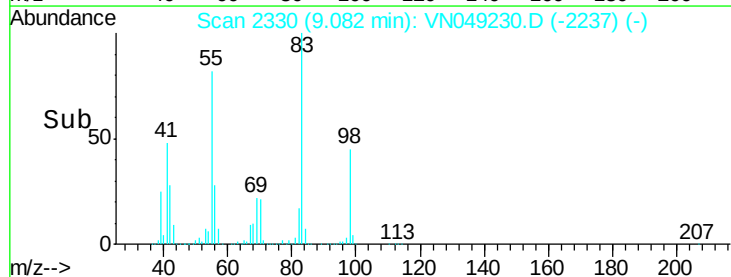
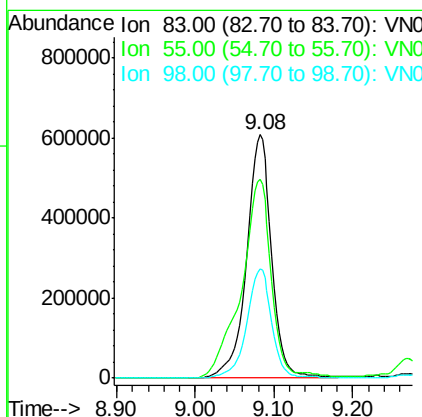
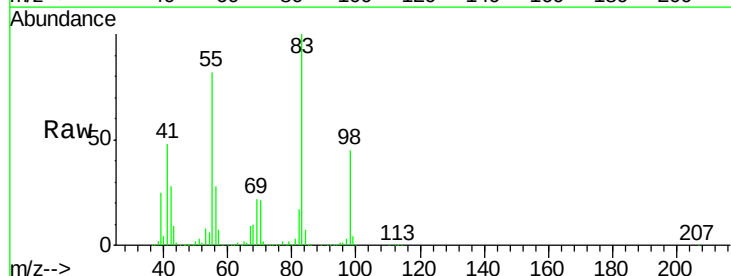
Manual Integrations
APPROVED

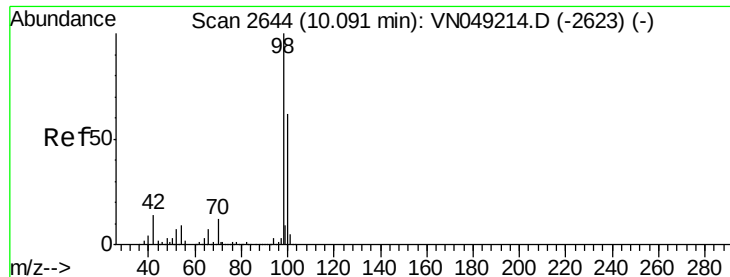
MMDadoda
6/15/2018 1:15:25 PM



#39
Methylcyclohexane
Concen: 89.573 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049230.D
Acq: 14 Jun 2018 16:16

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	1370816		
55	81.6	65.1	97.7	
98	44.8	36.5	54.7	





#50

Toluene-d8

Concen: 39.571 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN049230.D

Acq: 14 Jun 2018 16:16

Instrument :

MSVOA_N

ClientSampleId :

MW10

Tot Ion: 98 Resp: 1510801

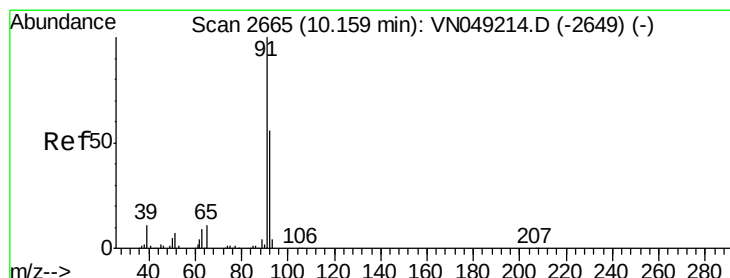
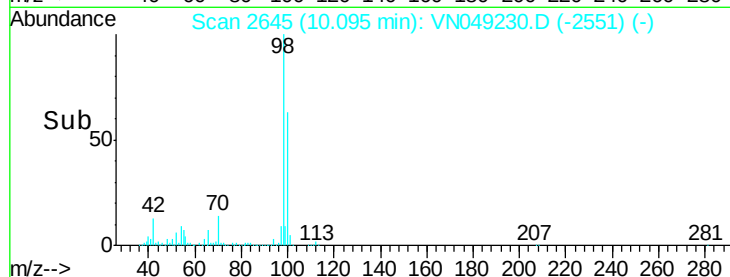
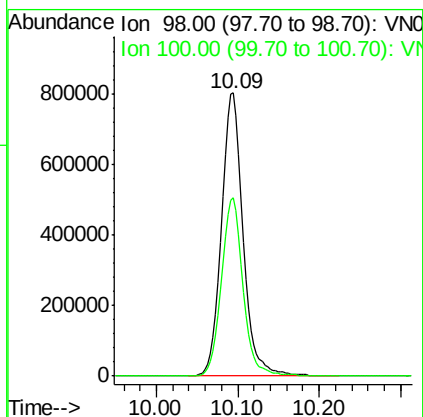
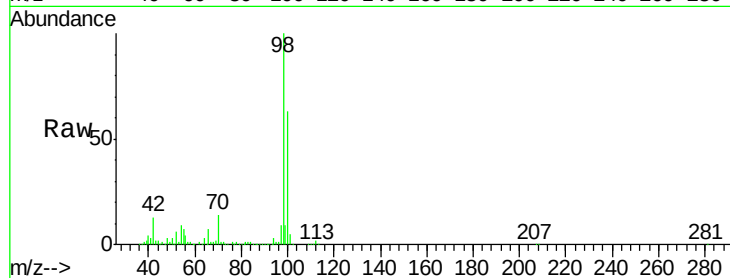
Ion Ratio Lower Upper

98 100

100 62.8 49.8 74.8

Manual Integrations
APPROVED

MMDadoda
6/15/2018 1:15:25 PM



#52

Toluene

Concen: 29.696 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049230.D

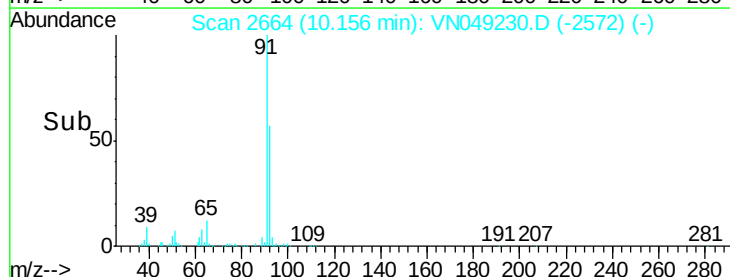
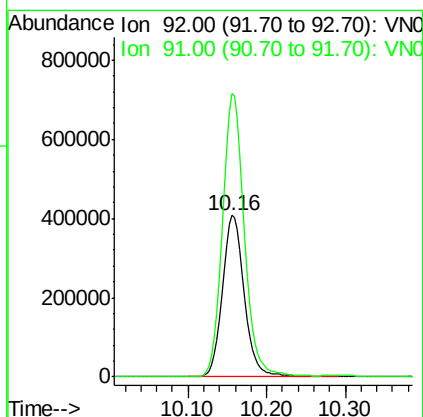
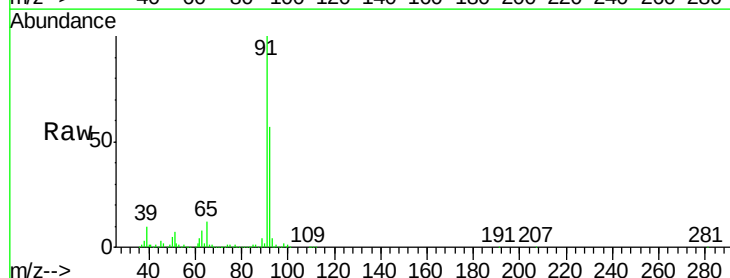
Acq: 14 Jun 2018 16:16

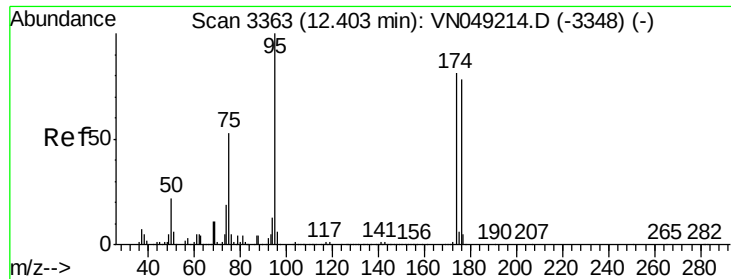
Tgt Ion: 92 Resp: 775529

Ion Ratio Lower Upper

92 100

91 176.0 143.4 215.2





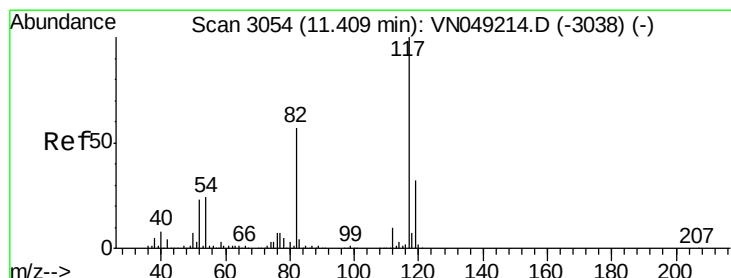
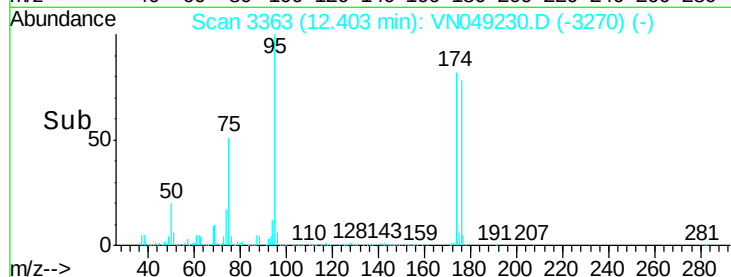
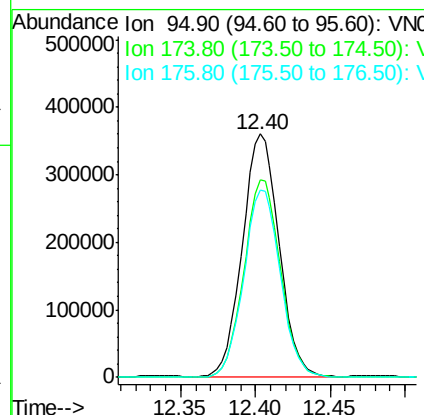
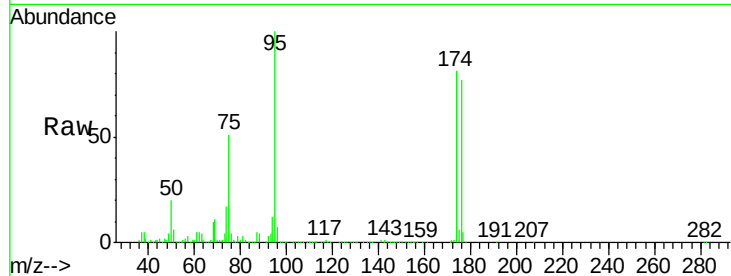
#62
4-Bromofluorobenzene
Concen: 48.204 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN049230.D
Acq: 14 Jun 2018 16:16

Instrument :
MSVOA_N
ClientSampled :
MW10

Tot Ion	Ratio	Resp	Lower	Upper
95	100	610813		
174	81.3	0.0	165.6	
176	77.5	0.0	157.4	

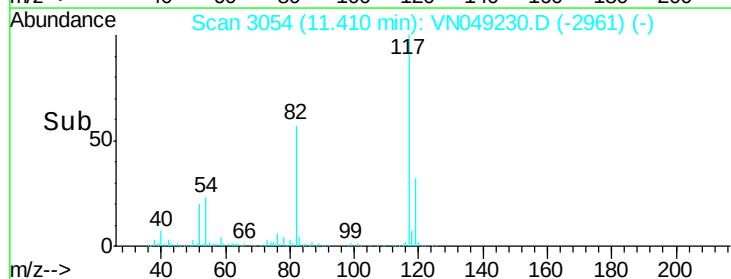
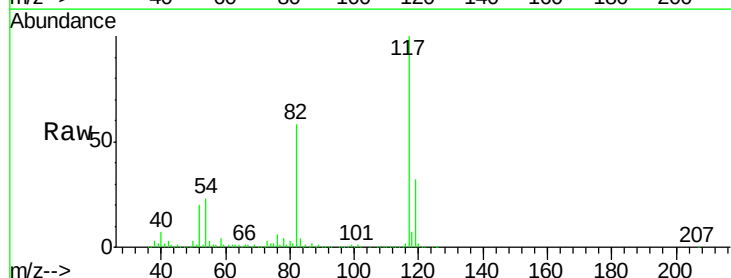
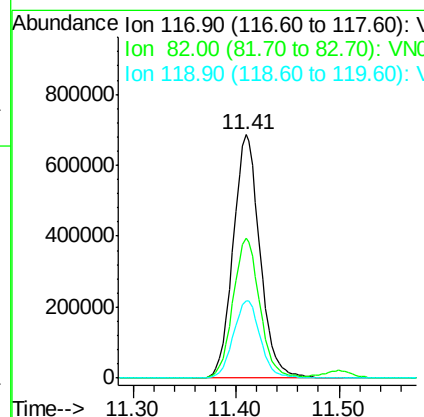
Manual Integrations
APPROVED

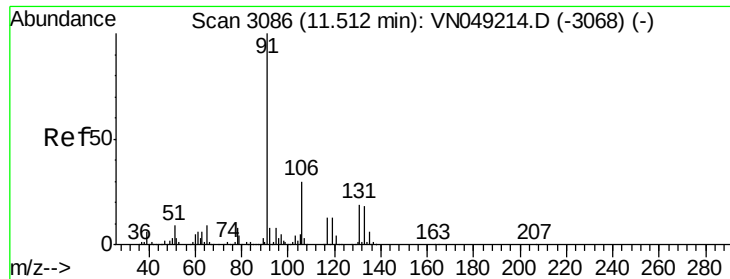
MMDadoda
6/15/2018 1:15:25 PM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049230.D
Acq: 14 Jun 2018 16:16

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	1241224		
82	57.4	45.9	68.9	
119	31.9	25.5	38.3	





#67

Ethyl Benzene

Concen: 345.823 ug/l m

RT: 11.50 min Scan# 3083

Delta R.T. -0.01 min

Lab File: VN049230.D

Acq: 14 Jun 2018 16:16

Instrument :

MSVOA_N

ClientSampleId :

MW10

Tot Ion: 91 Resp:19103173

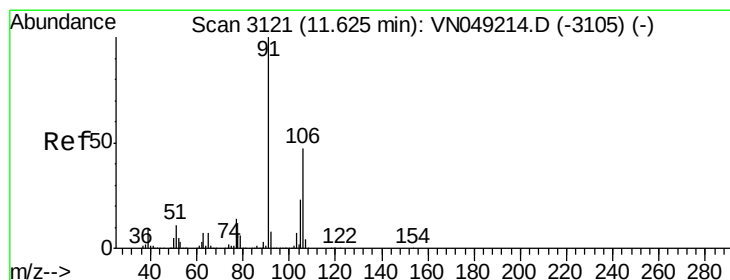
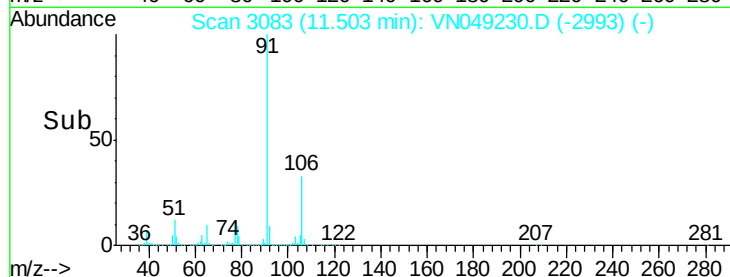
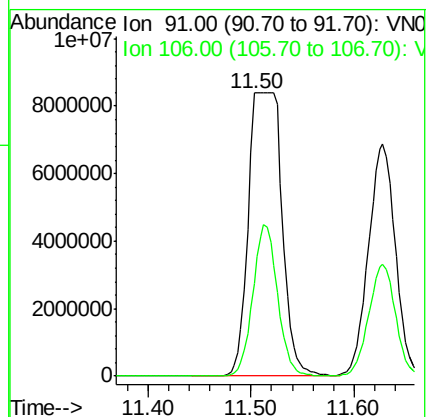
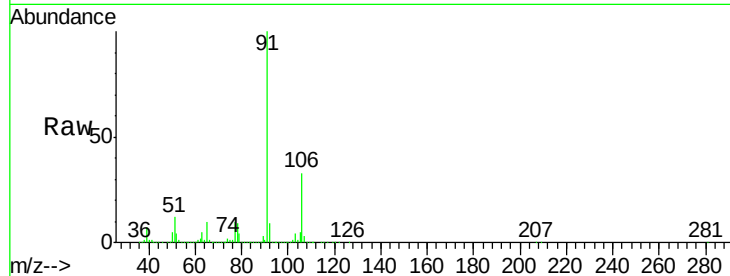
Ion Ratio Lower Upper

91 100

106 32.9 23.9 35.9

Manual Integrations
APPROVED

MMDadoda
6/15/2018 1:15:25 PM



#68

m/p-Xylenes

Concen: 296.209 ug/l

RT: 11.63 min Scan# 3122

Delta R.T. 0.00 min

Lab File: VN049230.D

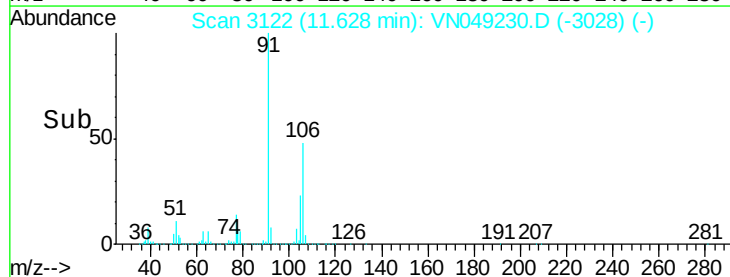
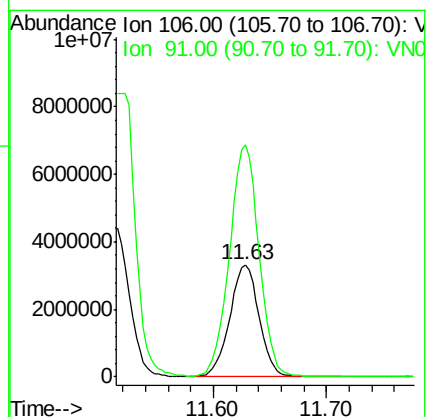
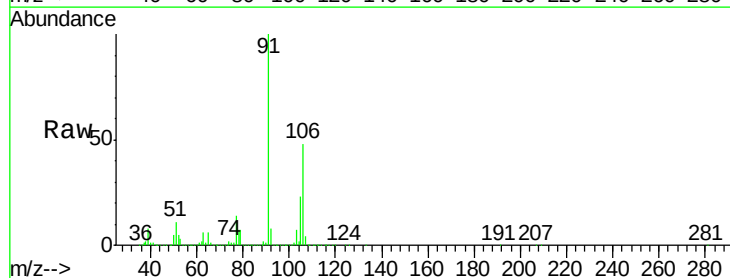
Acq: 14 Jun 2018 16:16

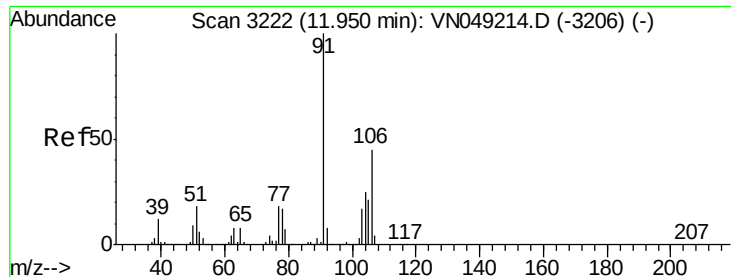
Tgt Ion:106 Resp: 5983537

Ion Ratio Lower Upper

106 100

91 208.5 167.3 250.9





#69

o-Xylene

Concen: 106.710 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN049230.D

Acq: 14 Jun 2018 16:16

Instrument :

MSVOA_N

ClientSampleId :

MW10

Tot Ion:106 Resp: 2075927

Ion Ratio Lower Upper

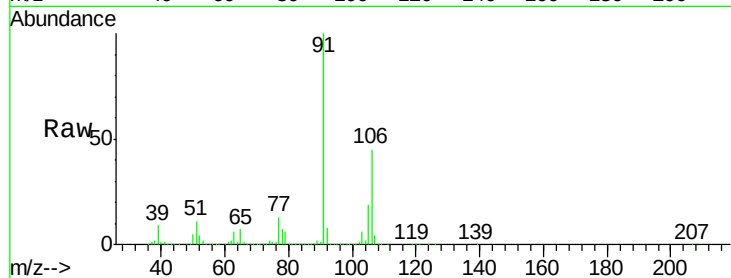
106 100

91 221.0 111.0 333.0

Manual Integrations
APPROVED

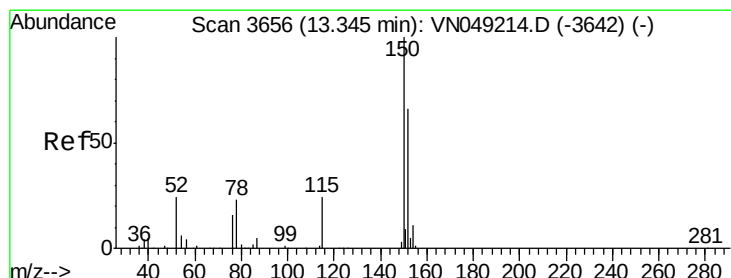
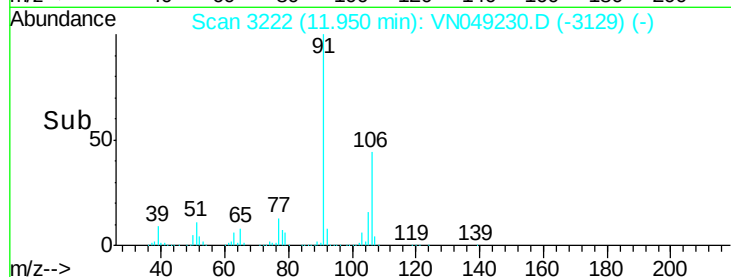
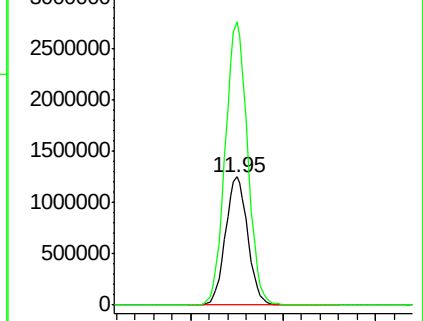
MMDadoda

6/15/2018 1:15:25 PM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049230.D

Acq: 14 Jun 2018 16:16

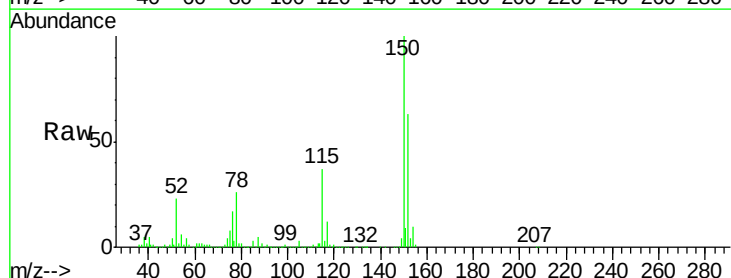
Tgt Ion:152 Resp: 572803

Ion Ratio Lower Upper

152 100

115 76.4 28.7 86.1

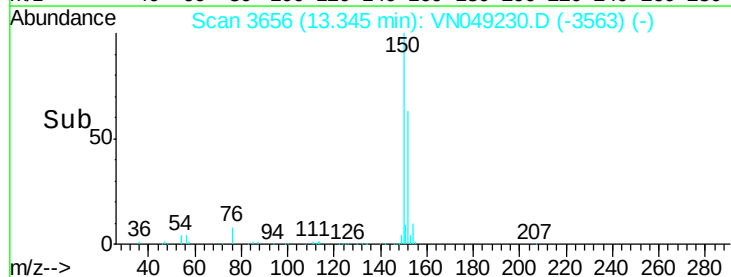
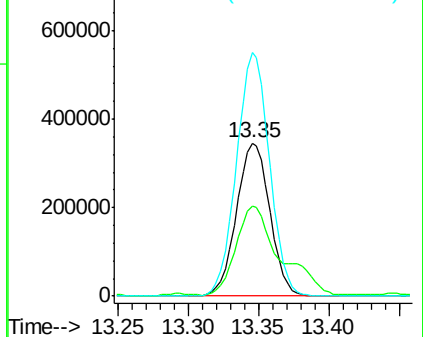
150 157.5 0.0 351.0

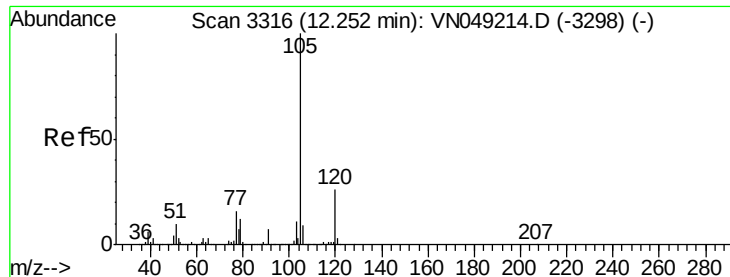


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 23.444 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049230.D

Acq: 14 Jun 2018 16:16

Instrument :

MSVOA_N

ClientSampled :

MW10

Tot Ion:105 Resp: 1289830

Ion Ratio Lower Upper

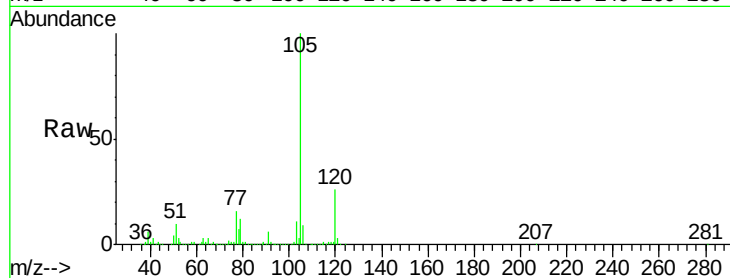
105 100

120 26.2 12.8 38.3

Manual Integrations
APPROVED

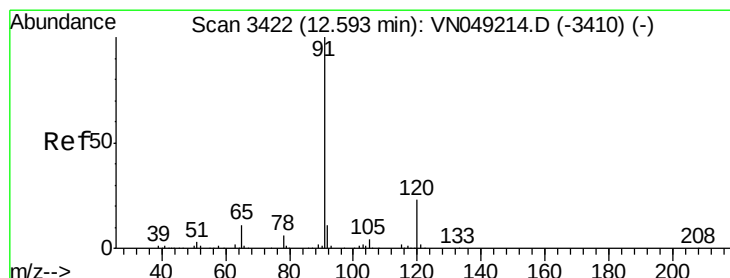
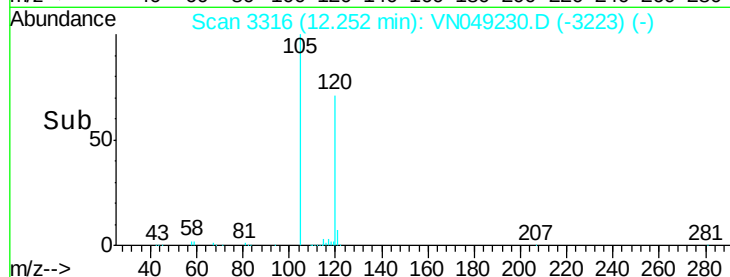
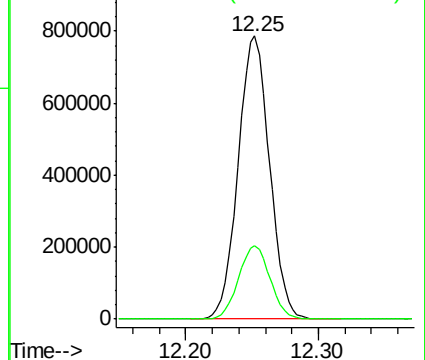
MMDadoda

6/15/2018 1:15:25 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 50.442 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049230.D

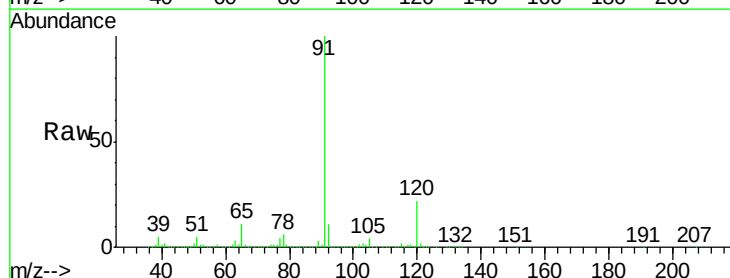
Acq: 14 Jun 2018 16:16

Tgt Ion: 91 Resp: 3082947

Ion Ratio Lower Upper

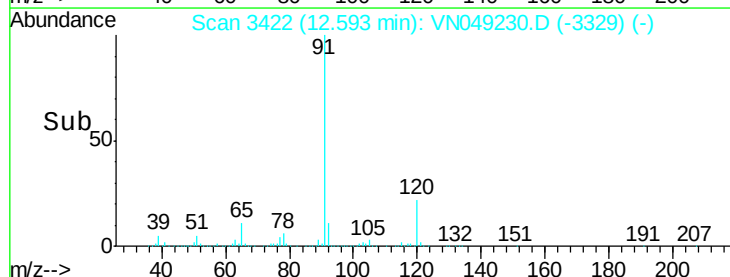
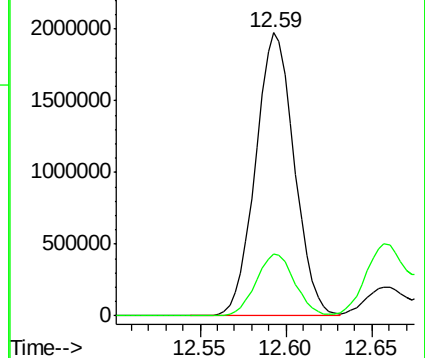
91 100

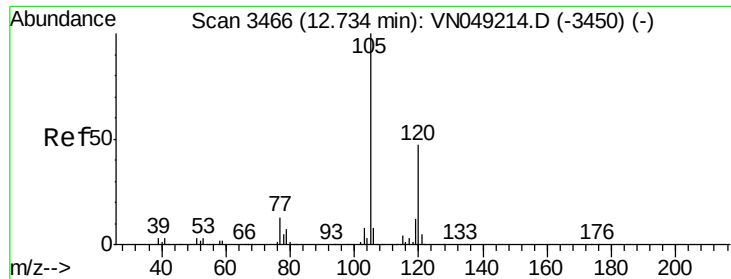
120 21.9 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





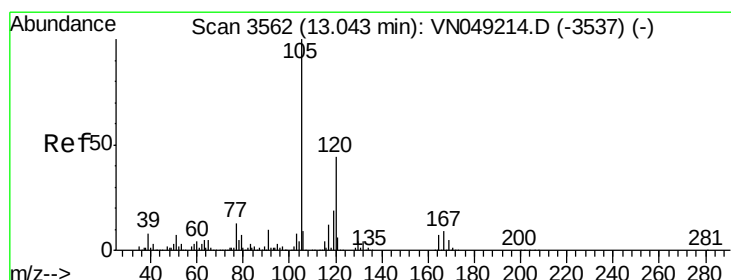
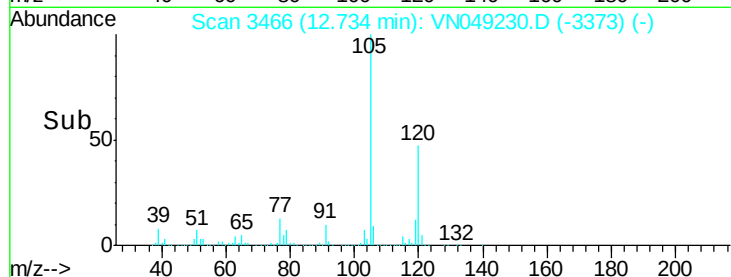
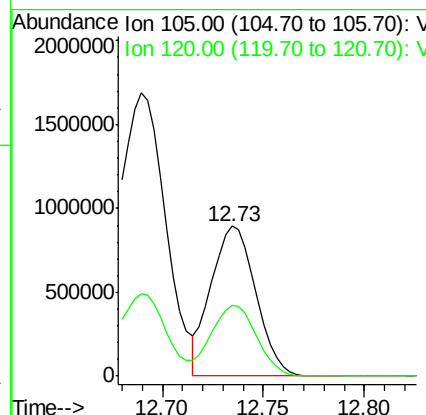
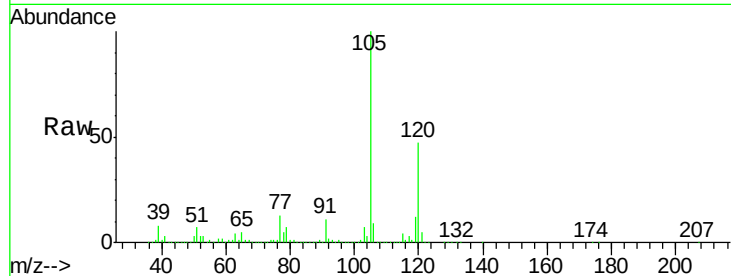
#80
 1,3,5-Trimethylbenzene
 Concen: 32.658 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. 0.00 min
 Lab File: VN049230.D
 Acq: 14 Jun 2018 16:16

Instrument :
 MSVOA_N
 ClientSampleId :
 MW10

Tot Ion:105 Resp: 1377661
 Ion Ratio Lower Upper
 105 100
 120 48.8 23.5 70.5

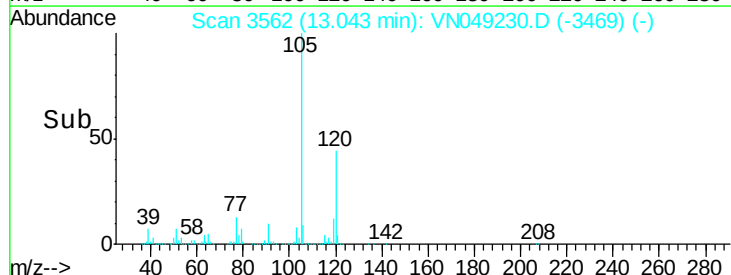
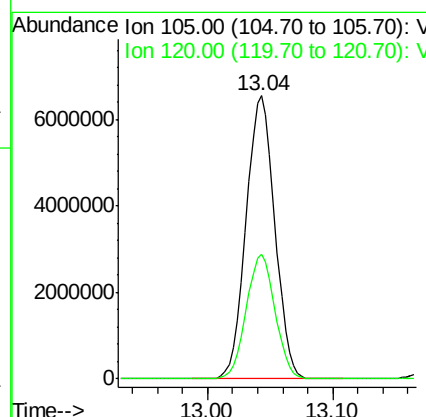
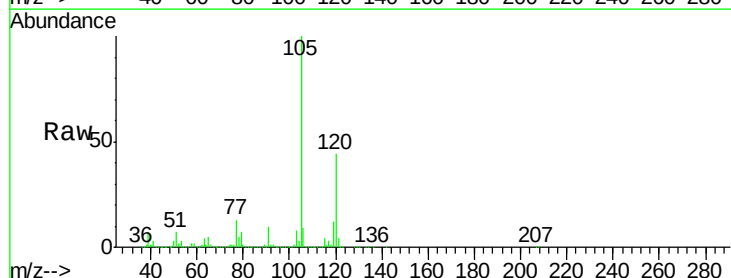
Manual Integrations
 APPROVED

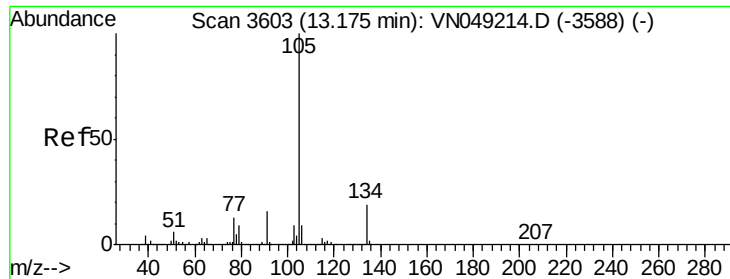
MMDadoda
 6/15/2018 1:15:25 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 248.045 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN049230.D
 Acq: 14 Jun 2018 16:16

Tgt Ion:105 Resp:10400344
 Ion Ratio Lower Upper
 105 100
 120 44.1 22.2 66.6





#85

sec-Butylbenzene

Concen: 4.368 ug/l m

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049230.D

Acq: 14 Jun 2018 16:16

Instrument :

MSVOA_N

ClientSampleId :

MW10

Tot Ion:105 Resp: 211600

Ion Ratio Lower Upper

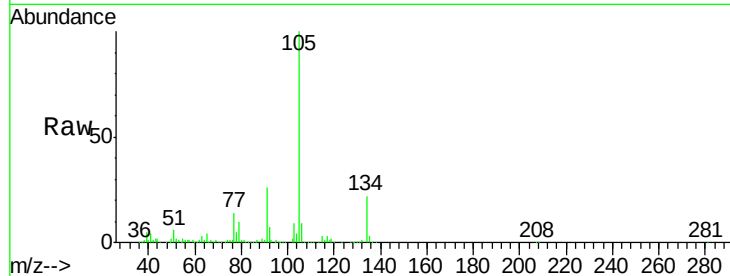
105 100

134 0.0 9.8 29.3#

Manual Integrations
APPROVED

MMDadoda

6/15/2018 1:15:25 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

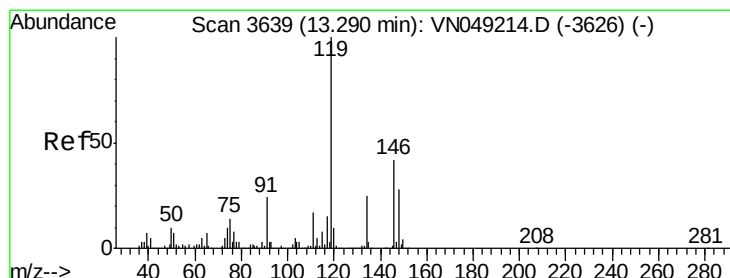
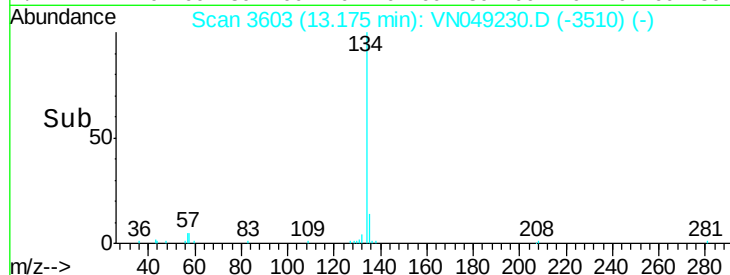
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 2.299 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN049230.D

Acq: 14 Jun 2018 16:16

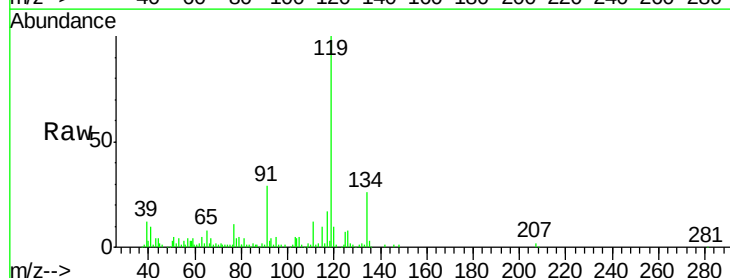
Tgt Ion:119 Resp: 90191

Ion Ratio Lower Upper

119 100

134 26.3 12.9 38.6

91 0.0 12.1 36.3#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

200000

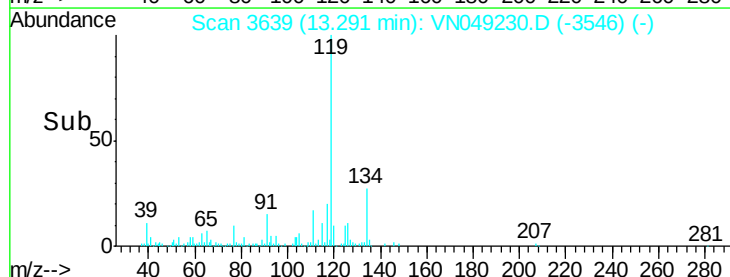
150000

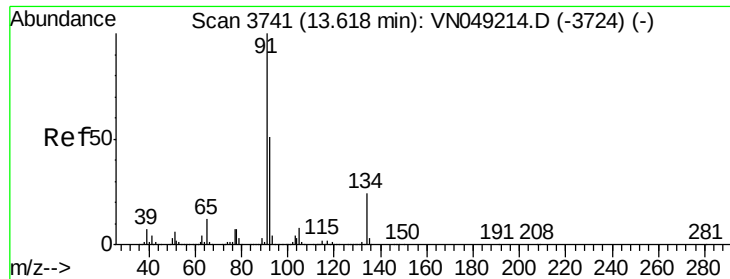
100000

50000

0

Time-->





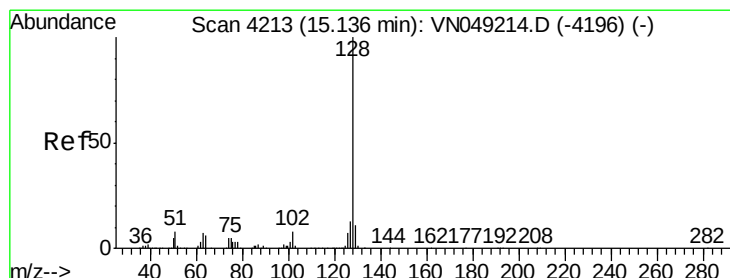
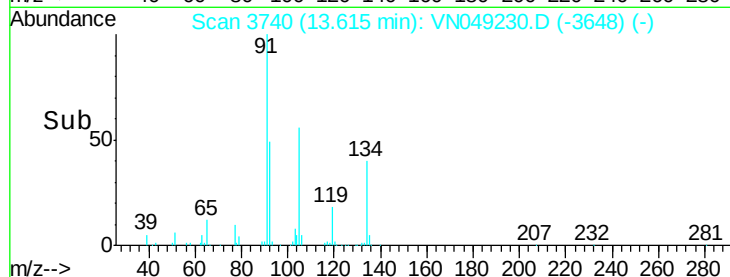
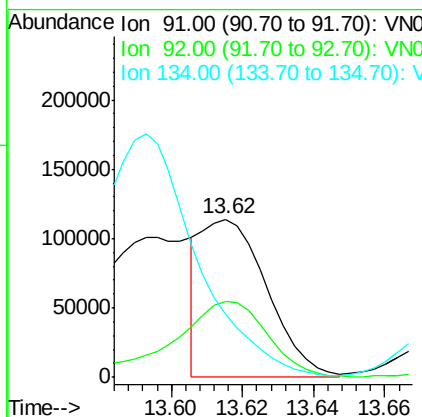
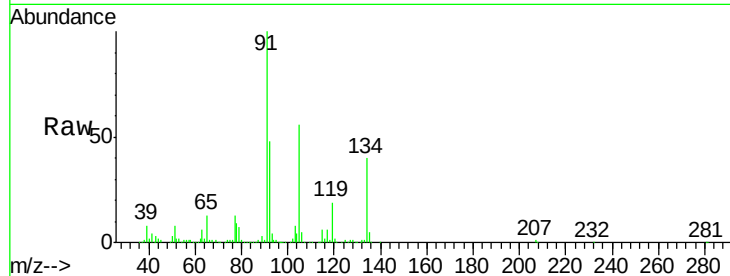
#89
n-Butylbenzene
Concen: 5.671 ug/l m
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049230.D
Acq: 14 Jun 2018 16:16

Instrument :
MSVOA_N
ClientSampled :
MW10

Tot Ion	Ratio	Lower	Upper
91	100		
92	173.2	25.1	75.4#
134	0.0	12.0	36.0#

Manual Integrations
APPROVED

MMDadoda
6/15/2018 1:15:25 PM



#95
Naphthalene
Concen: 111.608 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049230.D
Acq: 14 Jun 2018 16:16

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	16.0
129	10.7	8.5	12.7

