

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122218\
 Data File : VN053137.D
 Acq On : 22 Dec 2018 17:11
 Operator : MD\SY
 Sample : J6392-07ME
 Misc : 5.78g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 15 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 KY001SB103-121118-(23-25)ME

Manual Integrations
 APPROVED

MMDadoda
 12/24/2018 12:22:14 PM

Quant Time: Dec 24 00:22:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1267567	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1916175	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1563557	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	742034	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	589593	45.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.66%	
35) Dibromofluoromethane	7.59	113	478847	54.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.42%	
50) Toluene-d8	10.09	98	2384718	50.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.50%	
62) 4-Bromofluorobenzene	12.40	95	777398	47.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.26%	
Target Compounds						
					Qvalue	
16) Acetone	3.79	43	11875	4.708	ug/l #	52
31) Cyclohexane	7.64	56	493557	21.573	ug/l #	60
39) Methylcyclohexane	9.08	83	1167015	52.233	ug/l	89
40) Benzene	8.04	78	317910	5.811	ug/l	98
52) Toluene	10.16	92	31018	0.915	ug/l	99
67) Ethyl Benzene	11.51	91	13028849	218.585	ug/l	99
68) m/p-Xylenes	11.63	106	3149128	138.976	ug/l	98
69) o-Xylene	11.95	106	243012	11.176	ug/l	100
73) Isopropylbenzene	12.25	105	3716575	64.015	ug/l	100
78) n-propylbenzene	12.59	91	11147067	168.582	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	11679962	246.819	ug/l	97
83) tert-Butylbenzene	12.99	119	21892m	0.523	ug/l	
84) 1,2,4-Trimethylbenzene	13.03	105	21305416m	447.857	ug/l	
85) sec-Butylbenzene	13.17	105	1244028	21.976	ug/l #	44
86) p-Isopropyltoluene	13.29	119	526383	10.761	ug/l	99
89) n-Butylbenzene	13.62	91	2334731	55.480	ug/l #	73
95) Naphthalene	15.13	128	5138208	173.225	ug/l	100

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

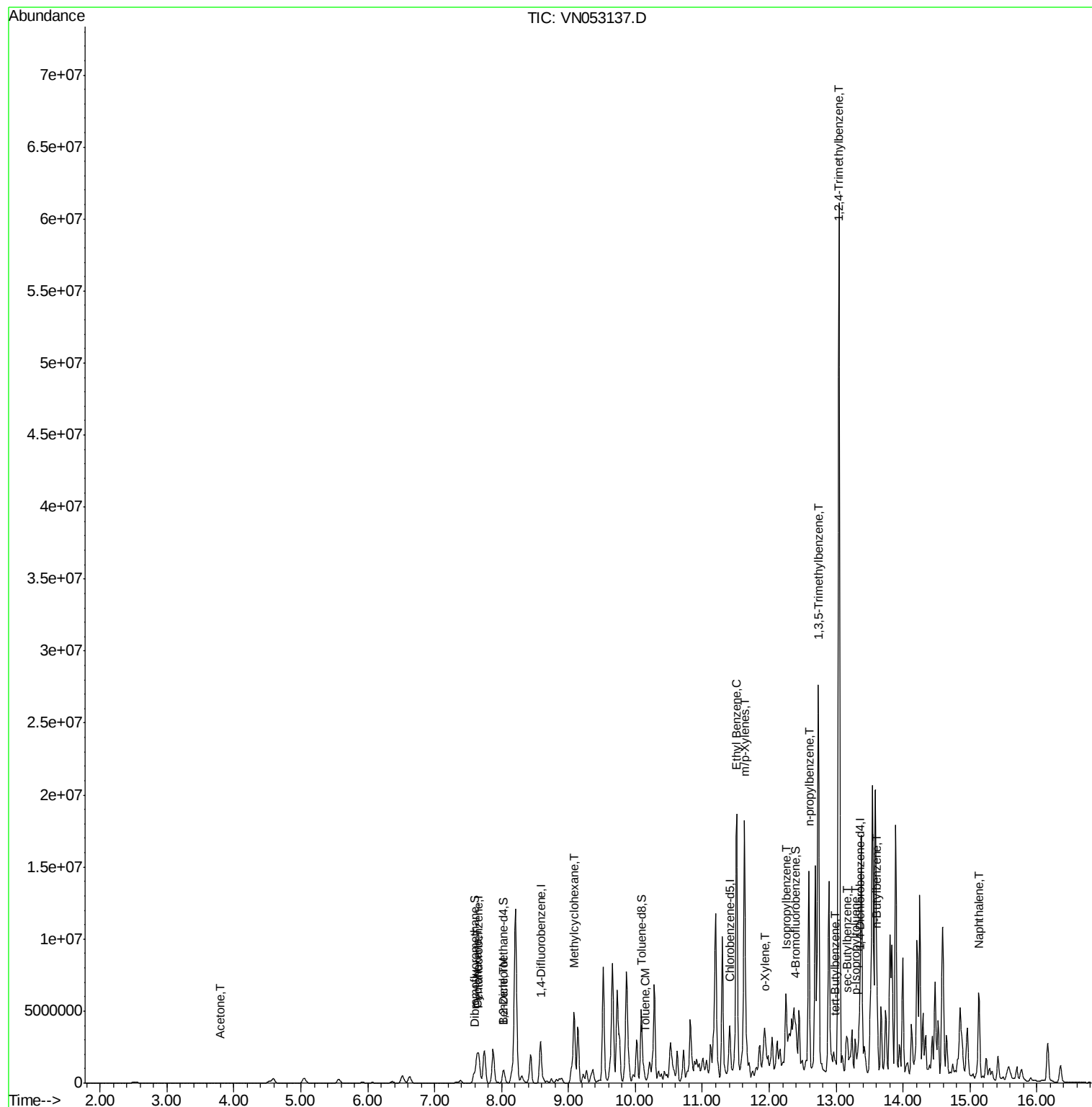
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN122218\
Data File : VN053137.D
Acq On : 22 Dec 2018 17:11
Operator : MD\SY
Sample : J6392-07ME
Misc : 5.78g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 28

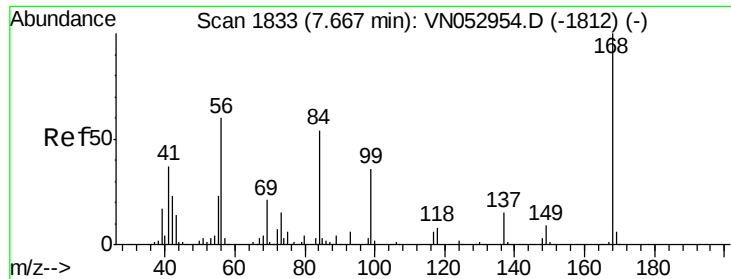
Instrument :
MSVOA_N
ClientSampleId :
KY001SB103-121118-(23-25)ME

Manual Integrations
APPROVED

MMDadoda
12/24/2018 12:22:14 PM

Quant Time: Dec 24 00:22:47 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:03:37 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053137.D

Acq: 22 Dec 2018 17:11

Instrument :

MSVOA_N

ClientSampleId :

KY001SB103-121118-(23-25)ME

Tgt Ion:168 Resp: 1267567

Ion Ratio Lower Upper

168 100

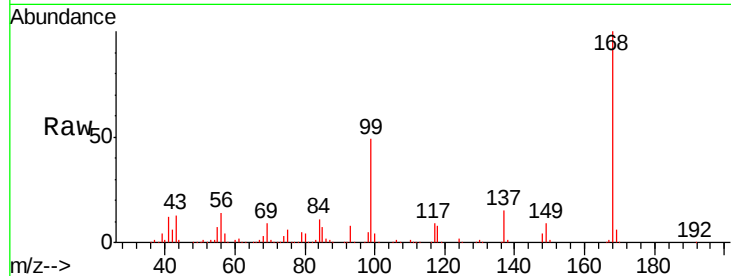
99 49.4 40.2 60.2

Manual Integrations

APPROVED

MMDadoda

12/24/2018 12:22:14 PM



Abundance Ion 167.90 (167.60 to 168.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

7.66

600000

500000

400000

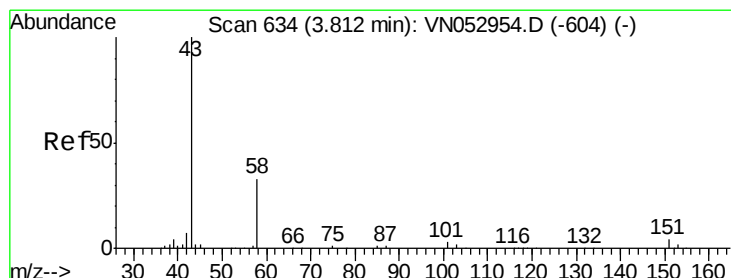
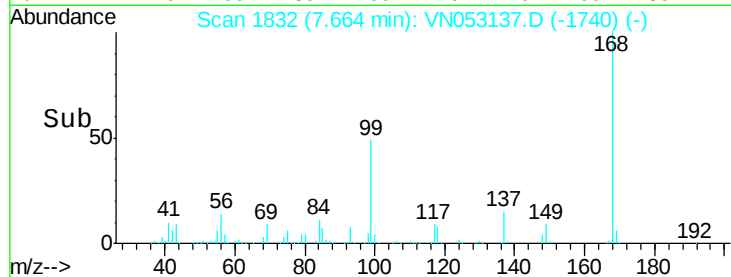
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 4.708 ug/l

RT: 3.79 min Scan# 627

Delta R.T. -0.02 min

Lab File: VN053137.D

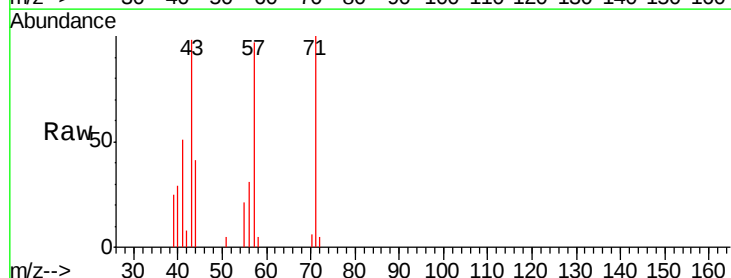
Acq: 22 Dec 2018 17:11

Tgt Ion: 43 Resp: 11875

Ion Ratio Lower Upper

43 100

58 5.0 25.4 38.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.79

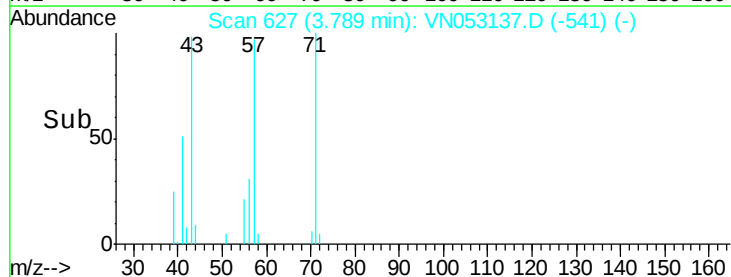
3000

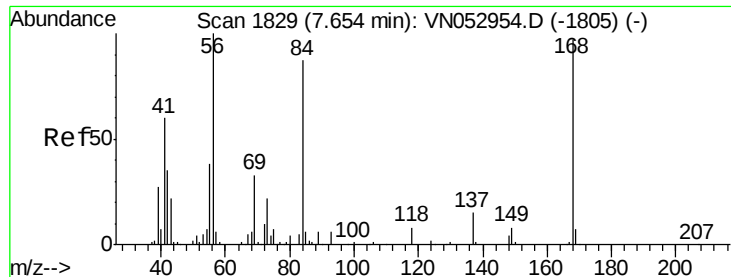
2000

1000

0

Time-->





#31

Cyclohexane

Concen: 21.573 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.02 min

Lab File: VN053137.D

Acq: 22 Dec 2018 17:11

Instrument :

MSVOA_N

ClientSampleId :

KY001SB103-121118-(23-25)ME

Tgt Ion: 56 Resp: 493557
Ion Ratio Lower Upper

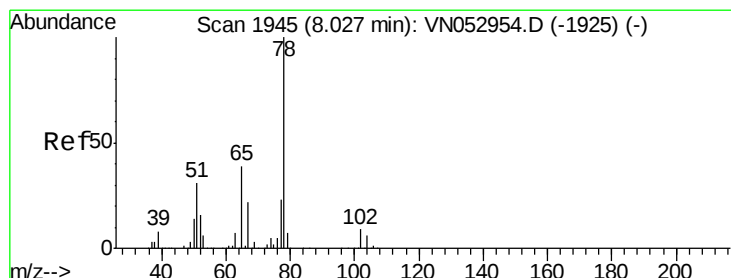
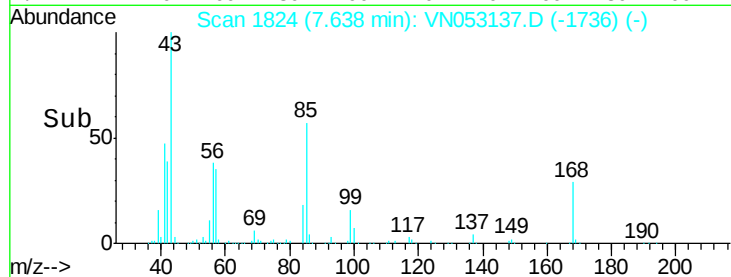
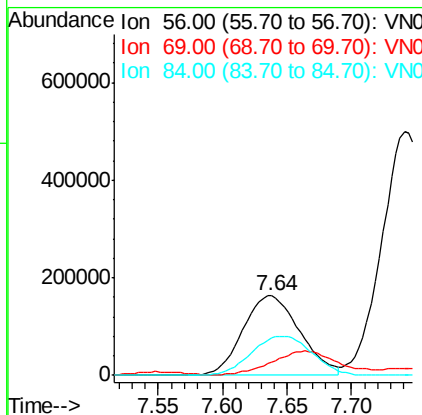
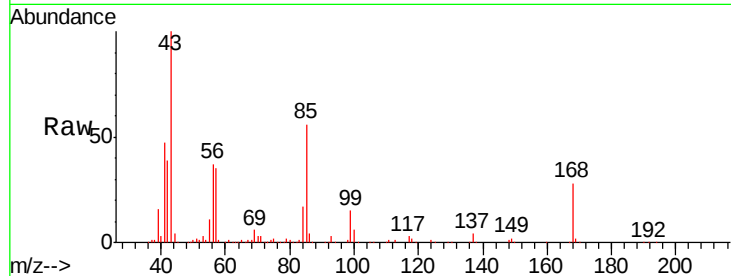
56 100

69 14.5 26.6 39.8#

84 46.8 68.4 102.6#

Manual Integrations
APPROVED

MMDadoda
12/24/2018 12:22:14 PM



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

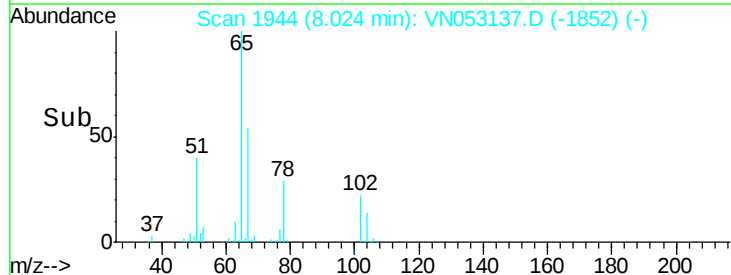
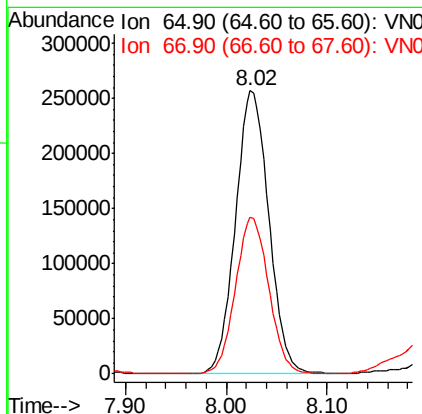
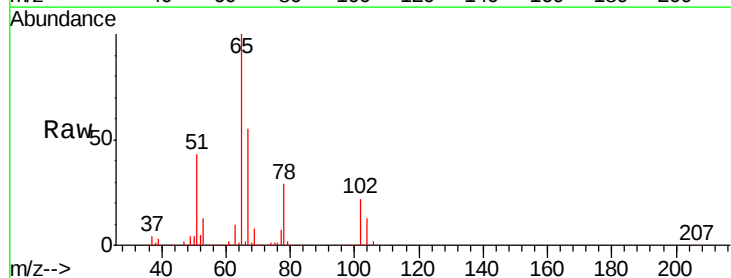
Lab File: VN053137.D

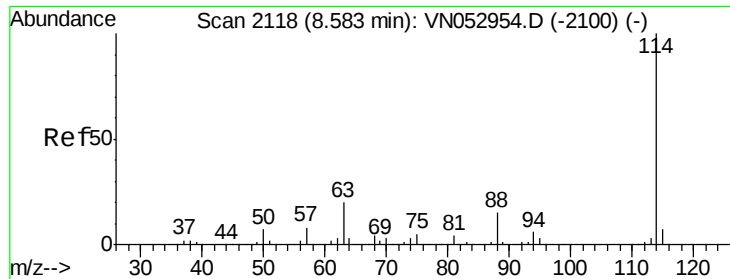
Acq: 22 Dec 2018 17:11

Tgt Ion: 65 Resp: 589593
Ion Ratio Lower Upper

65 100

67 55.1 0.0 110.4





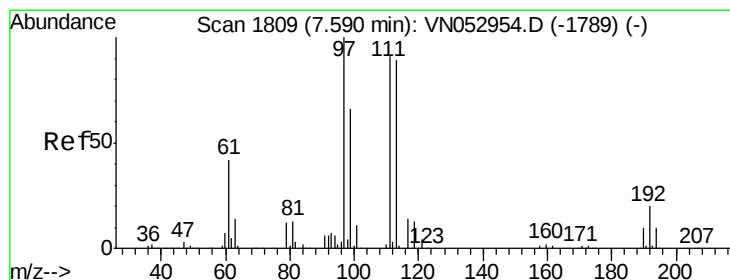
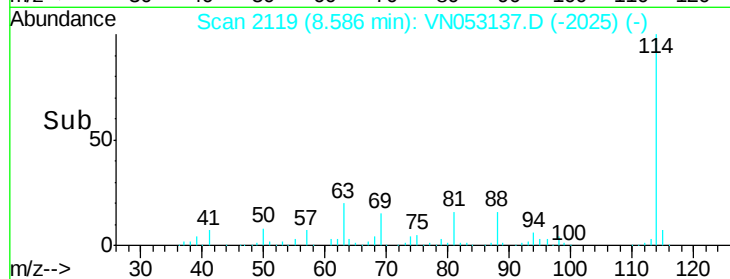
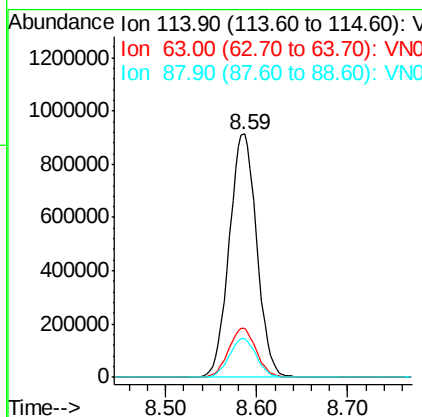
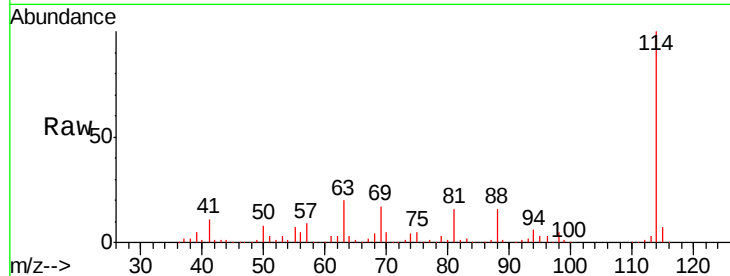
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053137.D
 Acq: 22 Dec 2018 17:11

Instrument :
 MSVOA_N
 ClientSampleId :
 KY001SB103-121118-(23-25)ME

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1916175		
63	19.9	0.0	39.8	
88	15.8	0.0	31.0	

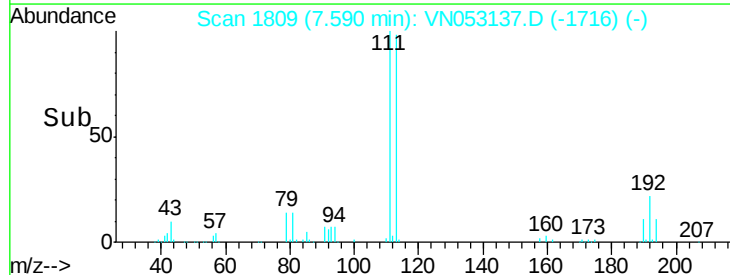
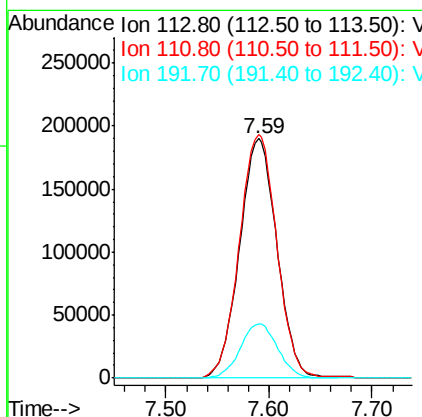
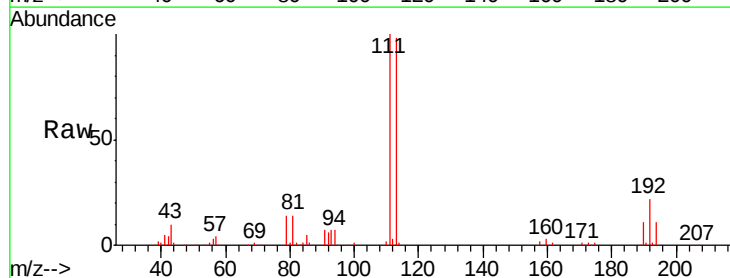
Manual Integrations
 APPROVED

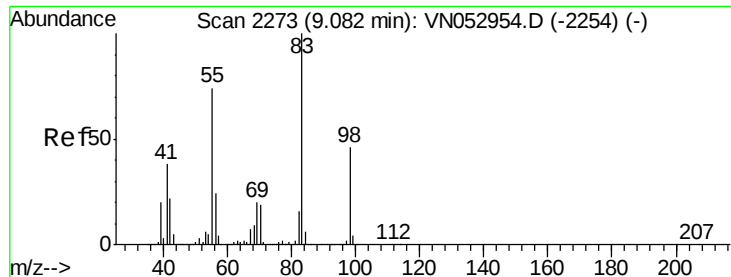
MMDadoda
 12/24/2018 12:22:14 PM



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053137.D
 Acq: 22 Dec 2018 17:11

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	478847		
111	101.7	83.0	124.4	
192	22.6	17.5	26.3	





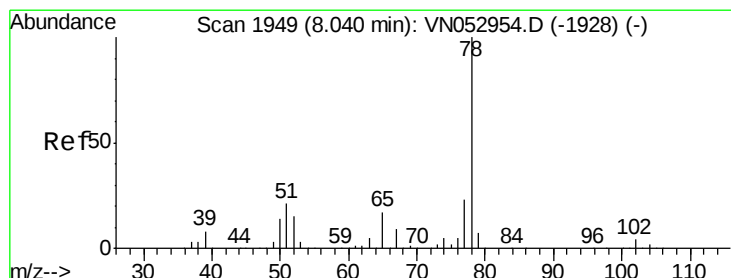
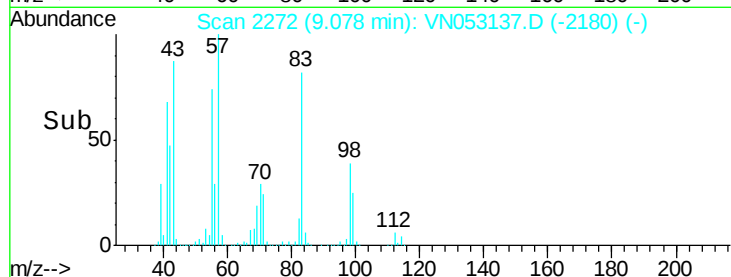
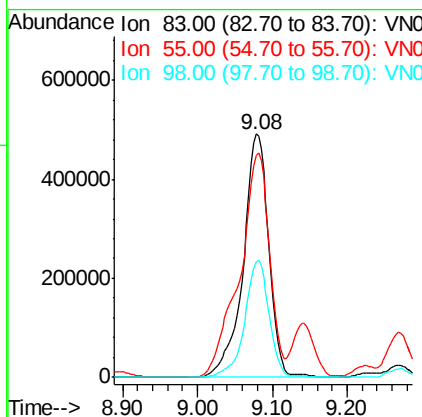
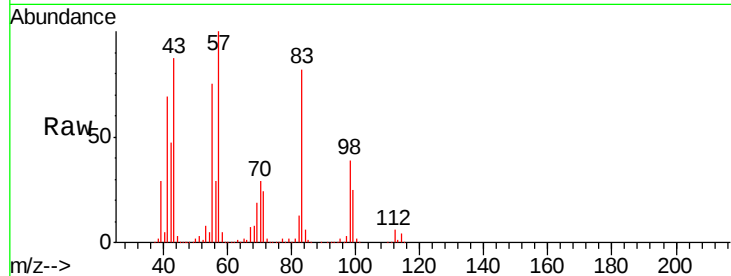
#39
Methylcyclohexane
Concen: 52.233 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053137.D
Acq: 22 Dec 2018 17:11

Instrument :
MSVOA_N
ClientSampleId :
KY001SB103-121118-(23-25)ME

Tgt Ion: 83 Resp: 1167015
Ion Ratio Lower Upper
83 100
55 91.3 61.3 91.9
98 47.4 37.0 55.4

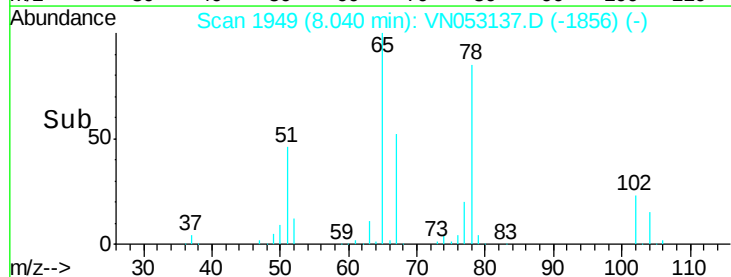
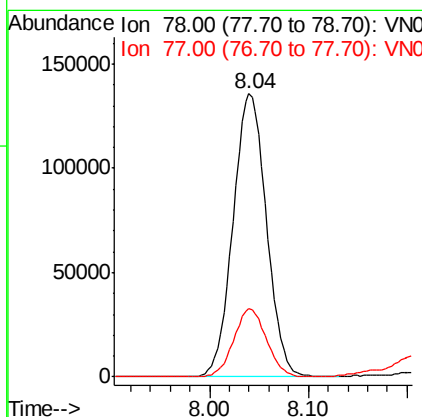
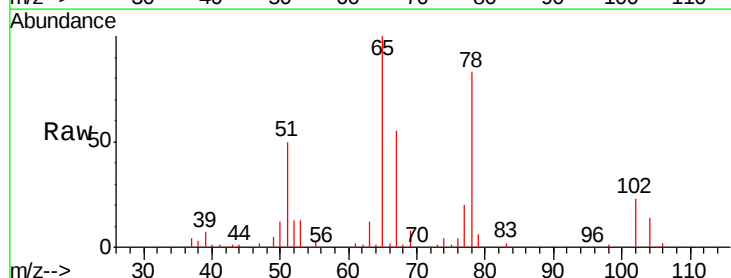
Manual Integrations
APPROVED

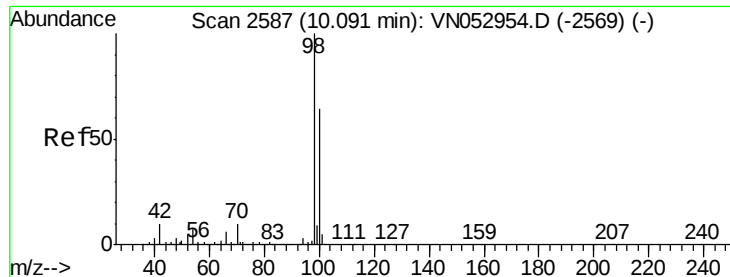
MMDadoda
12/24/2018 12:22:14 PM



#40
Benzene
Concen: 5.811 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053137.D
Acq: 22 Dec 2018 17:11

Tgt Ion: 78 Resp: 317910
Ion Ratio Lower Upper
78 100
77 24.1 18.5 27.7





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053137.D

Acq: 22 Dec 2018 17:11

Instrument :

MSVOA_N

ClientSampleId :

KY001SB103-121118-(23-25)ME

Tgt Ion: 98 Resp: 2384718

Ion Ratio Lower Upper

98 100

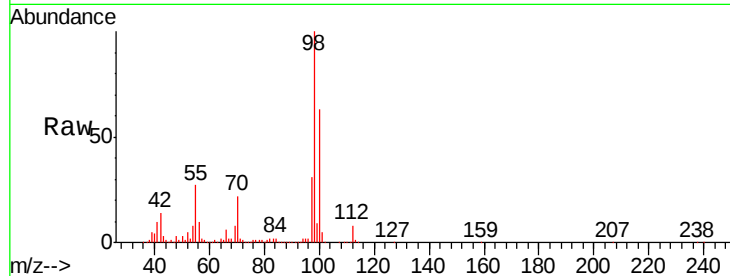
100 62.3 51.6 77.4

Manual Integrations

APPROVED

MMDadoda

12/24/2018 12:22:14 PM



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

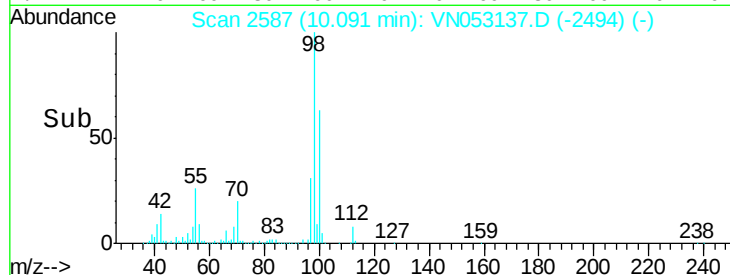
1500000

1000000

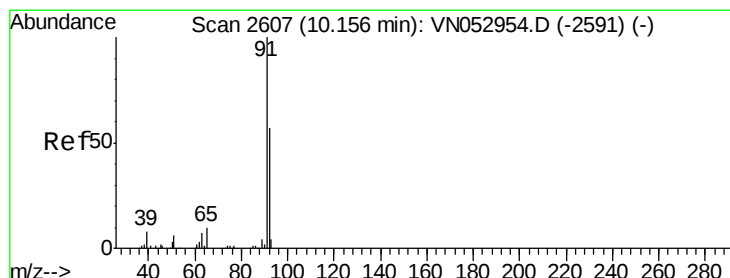
500000

0

10.00 10.10 10.20



Time-->



#52

Toluene

Concen: 0.915 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN053137.D

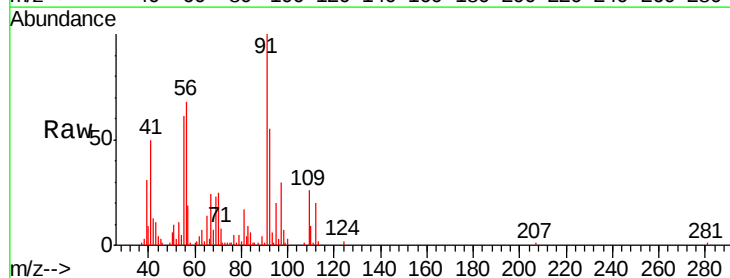
Acq: 22 Dec 2018 17:11

Tgt Ion: 92 Resp: 31018

Ion Ratio Lower Upper

92 100

91 173.7 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

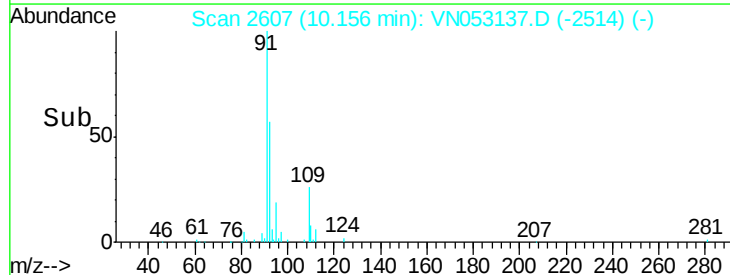
30000

20000

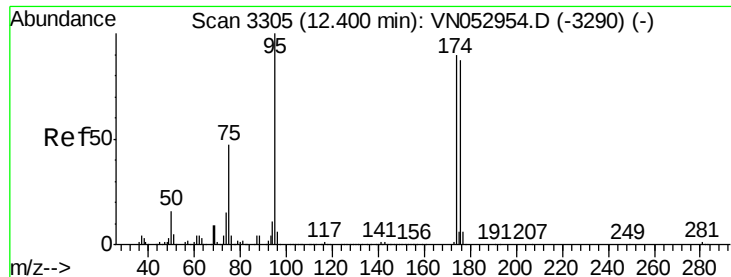
10000

0

10.10 10.15 10.20



Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053137.D

Acq: 22 Dec 2018 17:11

Instrument :

MSVOA_N

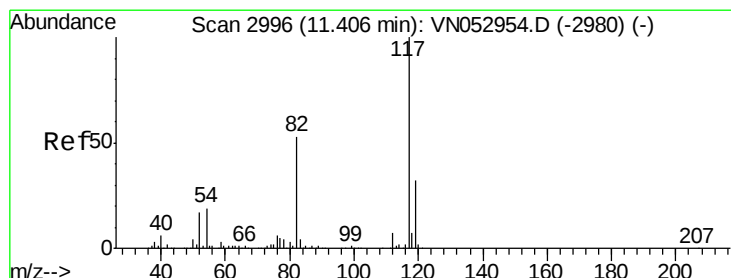
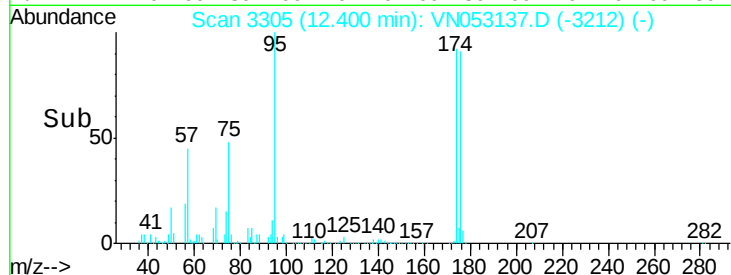
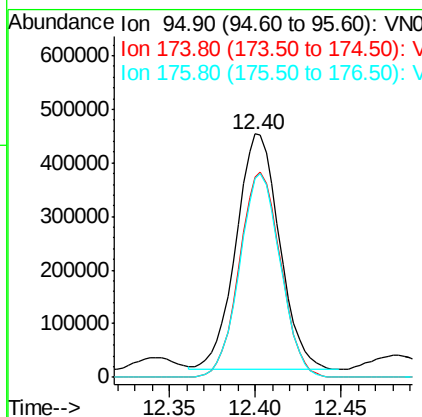
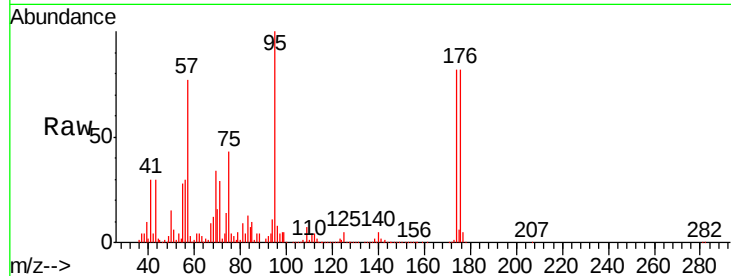
ClientSampleId :

KY001SB103-121118-(23-25)ME

Tgt Ion:	95	Resp:	777398
Ion Ratio	Lower	Upper	
95	100		
174	82.4	0.0	178.8
176	80.9	0.0	173.8

Manual Integrations
APPROVED

MMDadoda
12/24/2018 12:22:14 PM



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

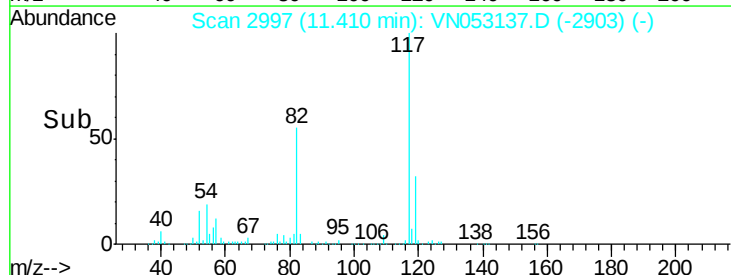
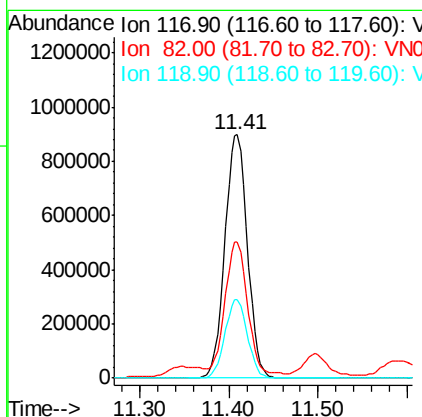
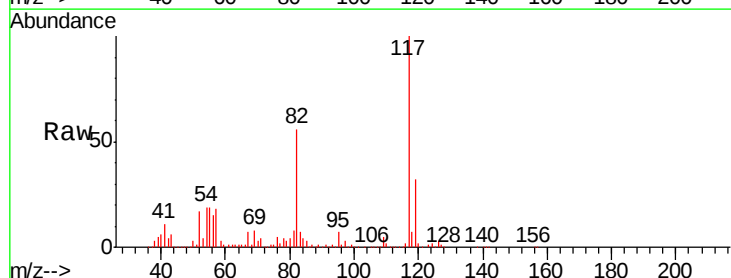
RT: 11.41 min Scan# 2997

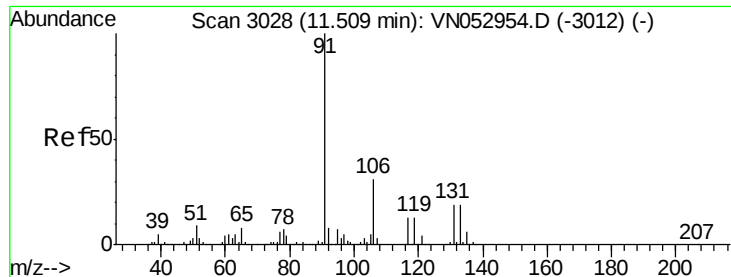
Delta R.T. 0.00 min

Lab File: VN053137.D

Acq: 22 Dec 2018 17:11

Tgt Ion:	117	Resp:	1563557
Ion Ratio	Lower	Upper	
117	100		
82	53.7	42.8	64.2
119	32.2	25.5	38.3





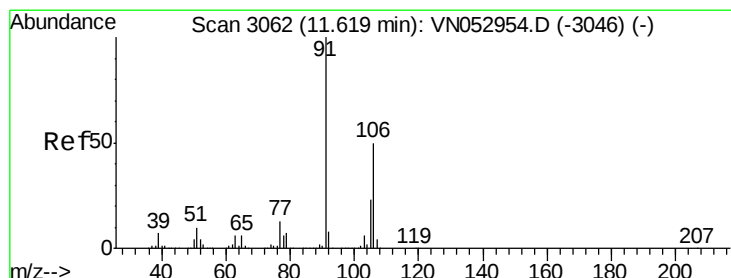
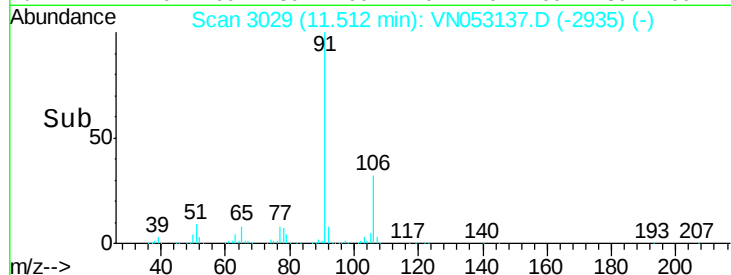
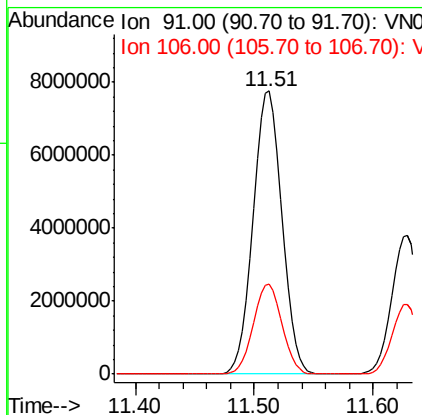
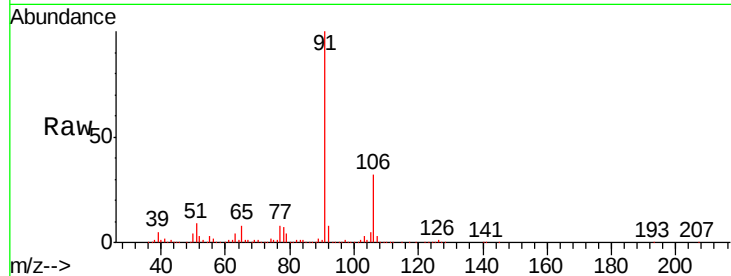
#67
Ethyl Benzene
Concen: 218.585 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053137.D
Acq: 22 Dec 2018 17:11

Instrument :
MSVOA_N
ClientSampleId :
KY001SB103-121118-(23-25)ME

Tgt Ion: 91 Resp:13028849
Ion Ratio Lower Upper
91 100
106 31.9 24.9 37.3

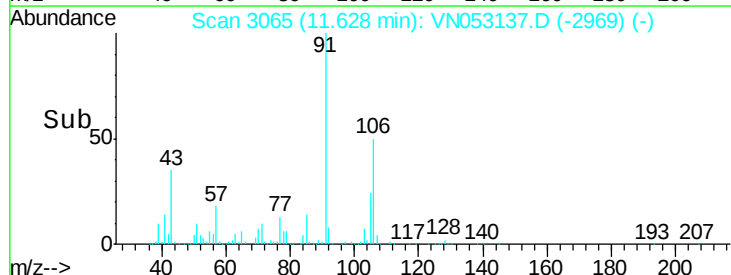
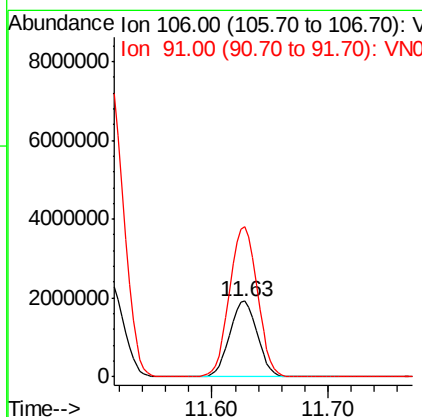
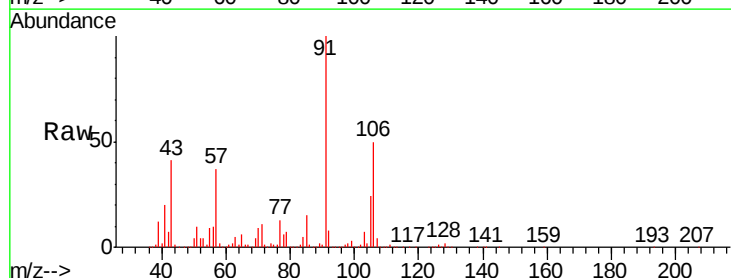
Manual Integrations
APPROVED

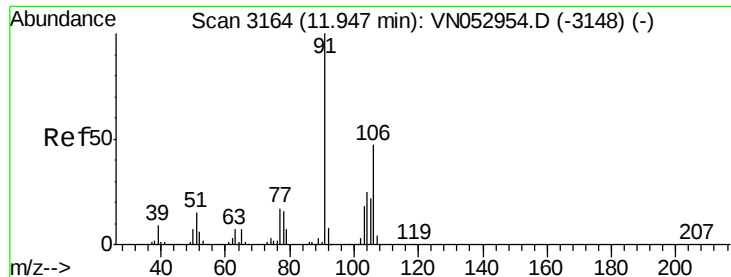
MMDadoda
12/24/2018 12:22:14 PM



#68
m/p-Xylenes
Concen: 138.976 ug/l
RT: 11.63 min Scan# 3065
Delta R.T. 0.01 min
Lab File: VN053137.D
Acq: 22 Dec 2018 17:11

Tgt Ion:106 Resp: 3149128
Ion Ratio Lower Upper
106 100
91 200.3 162.2 243.4





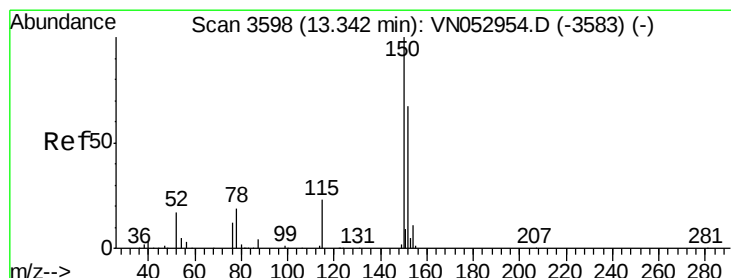
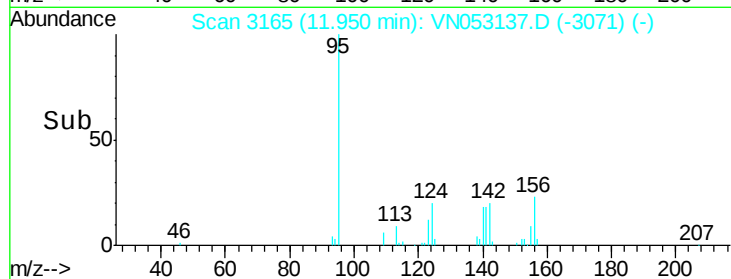
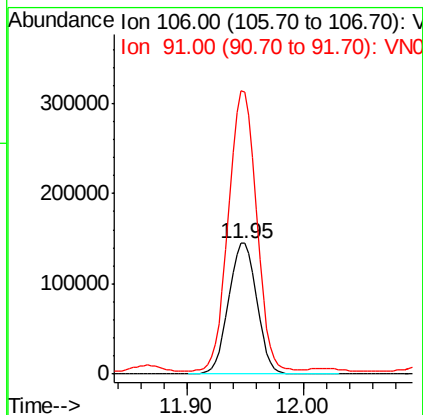
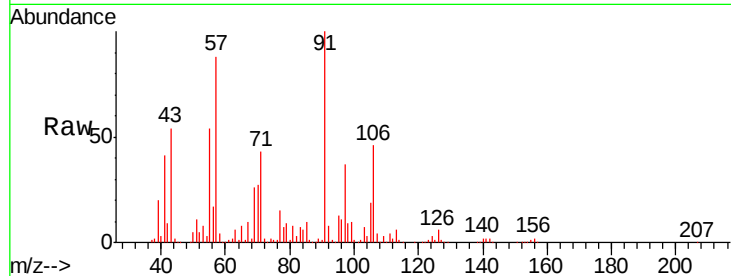
#69
o-Xylene
Concen: 11.176 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN053137.D
Acq: 22 Dec 2018 17:11

Instrument :
MSVOA_N
ClientSampleId :
KY001SB103-121118-(23-25)ME

Tgt Ion:106 Resp: 243012
Ion Ratio Lower Upper
106 100
91 213.0 106.6 319.8

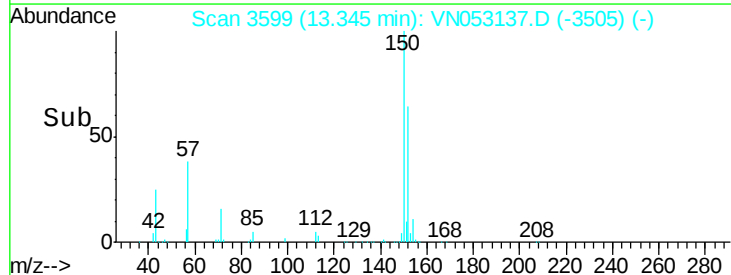
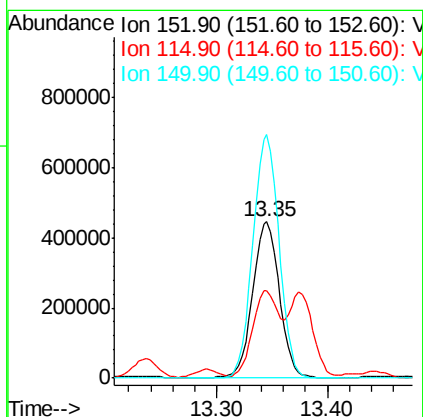
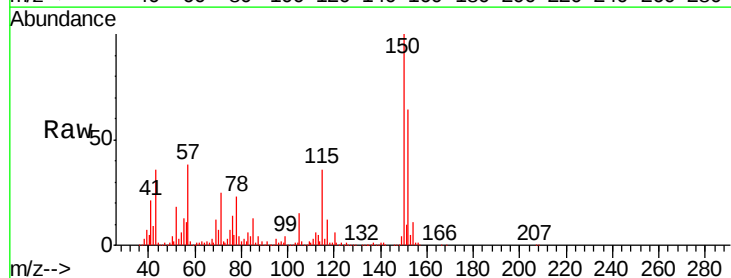
Manual Integrations
APPROVED

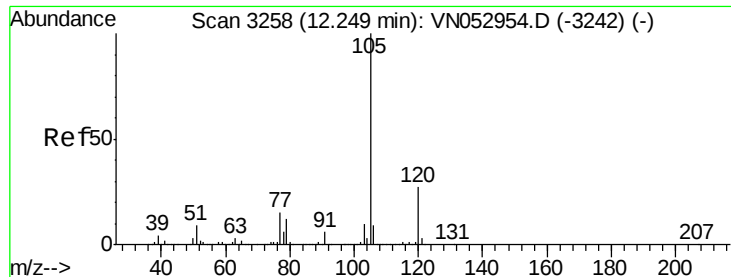
MMDadoda
12/24/2018 12:22:14 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053137.D
Acq: 22 Dec 2018 17:11

Tgt Ion:152 Resp: 742034
Ion Ratio Lower Upper
152 100
115 56.2 28.3 85.0
150 153.8 0.0 347.8





#73

Isopropylbenzene

Concen: 64.015 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053137.D

Acq: 22 Dec 2018 17:11

Instrument :

MSVOA_N

ClientSampleId :

KY001SB103-121118-(23-25)ME

Tgt Ion:105 Resp: 3716575

Ion Ratio Lower Upper

105 100

120 26.8

13.3

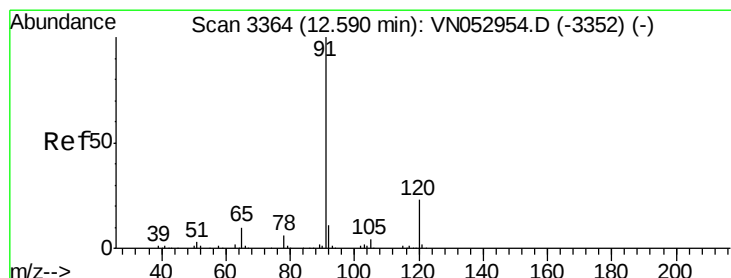
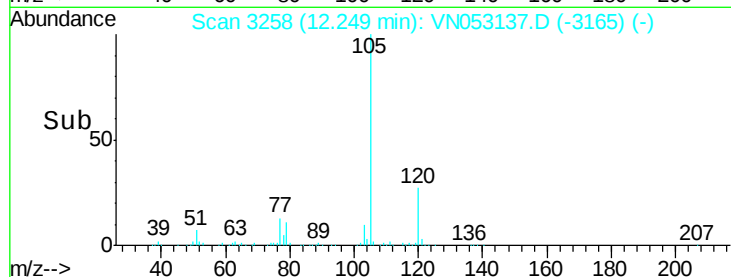
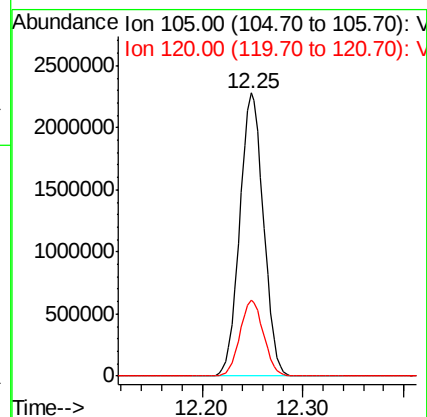
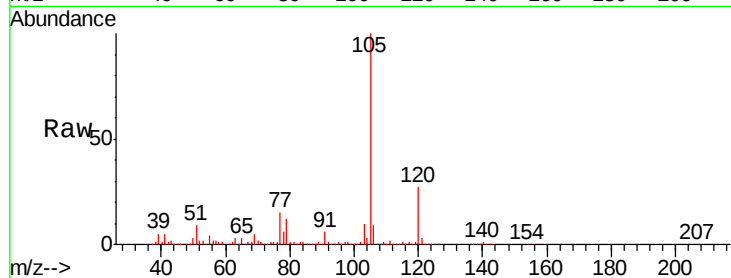
39.9

Manual Integrations

APPROVED

MMDadoda

12/24/2018 12:22:14 PM



#78

n-propylbenzene

Concen: 168.582 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053137.D

Acq: 22 Dec 2018 17:11

Tgt Ion: 91 Resp:11147067

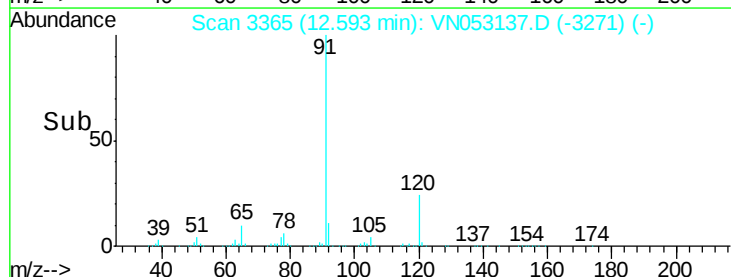
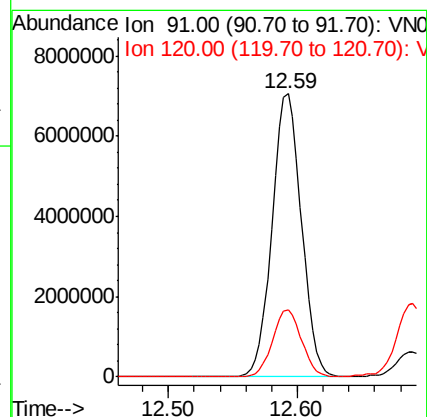
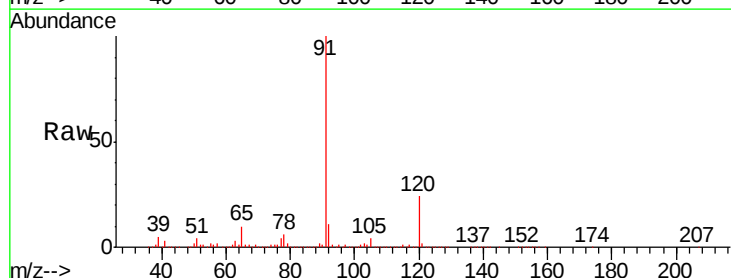
Ion Ratio Lower Upper

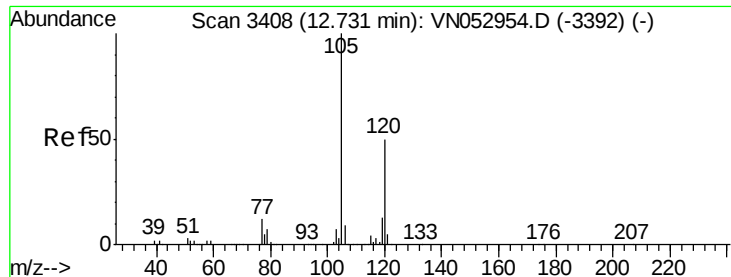
91 100

120 23.5

11.5

34.5





#80

1,3,5-Trimethylbenzene

Concen: 246.819 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053137.D

Acq: 22 Dec 2018 17:11

Instrument :

MSVOA_N

ClientSampleId :

KY001SB103-121118-(23-25)ME

Tgt Ion:105 Resp:11679962

Ion Ratio Lower Upper

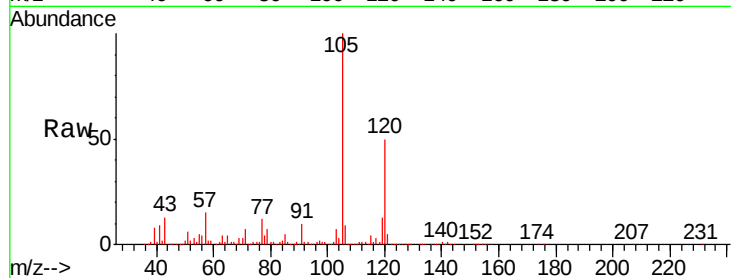
105 100

120 51.0 24.4 73.2

Manual Integrations
APPROVED

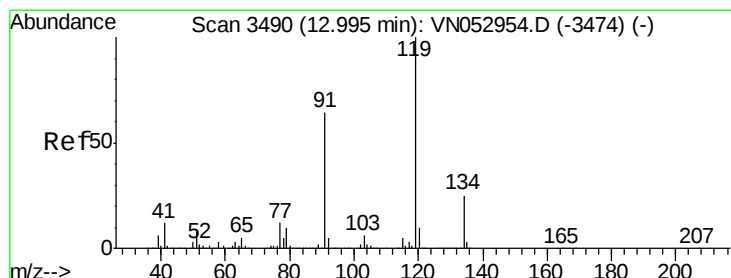
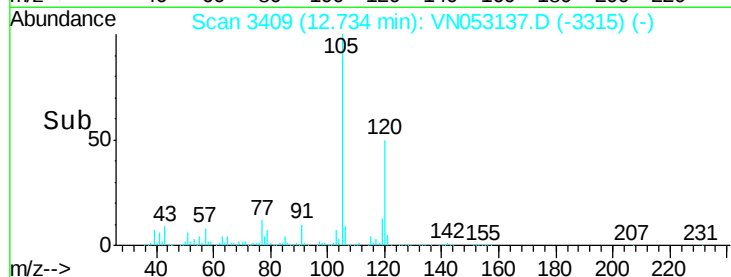
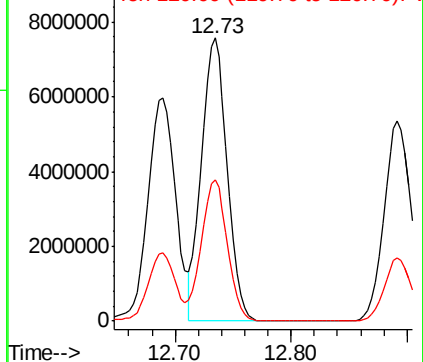
MMDadoda

12/24/2018 12:22:14 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#83

tert-Butylbenzene

Concen: 0.523 ug/l m

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN053137.D

Acq: 22 Dec 2018 17:11

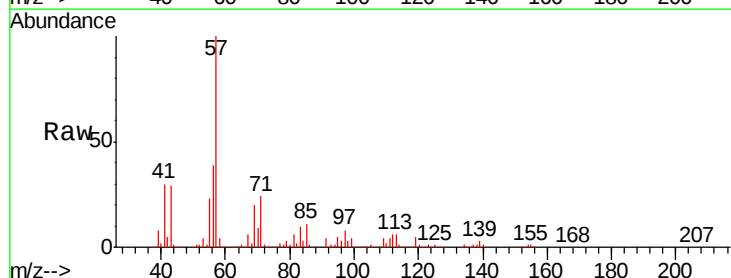
Tgt Ion:119 Resp: 21892

Ion Ratio Lower Upper

119 100

91 0.0 31.9 95.5#

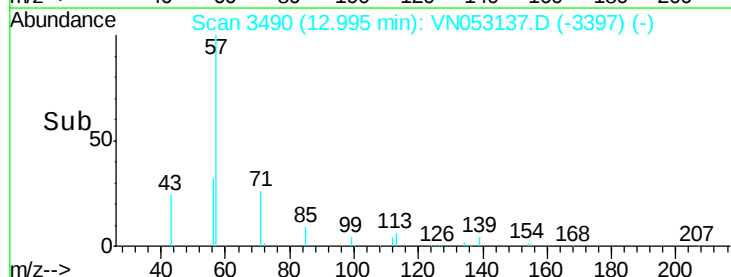
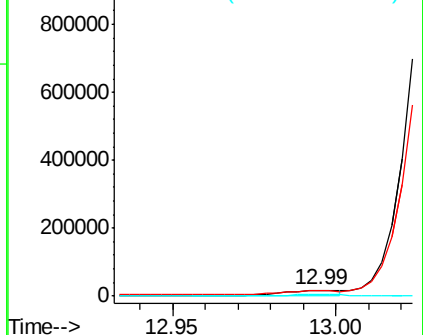
134 0.0 12.8 38.4#

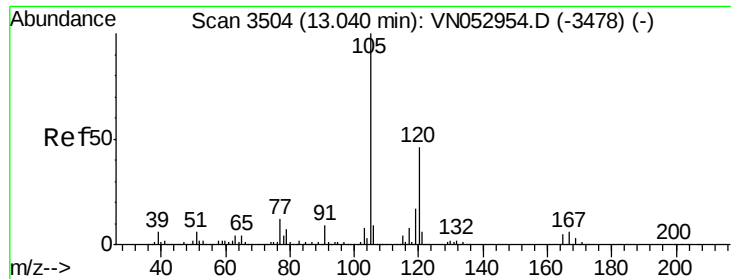


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V





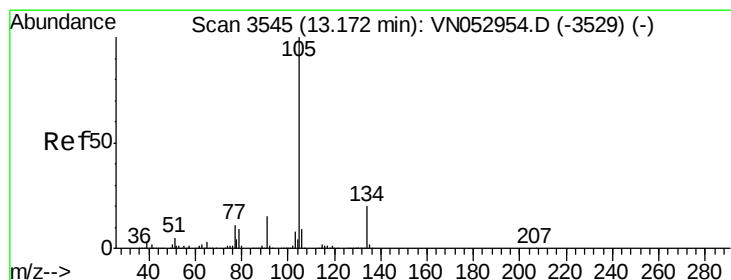
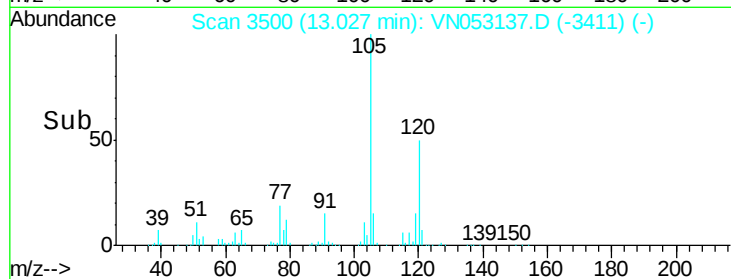
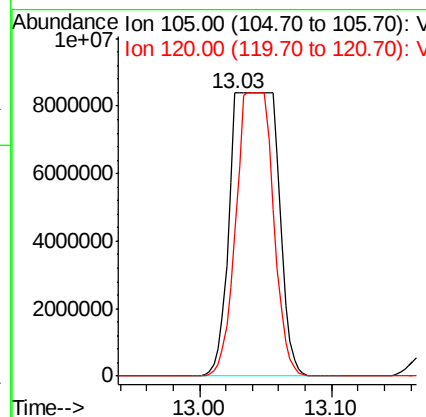
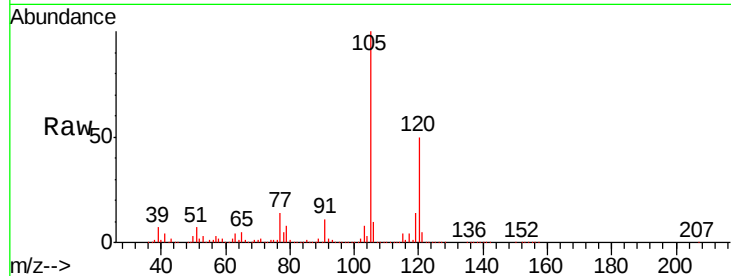
#84
 1,2,4-Trimethylbenzene
 Concen: 447.857 ug/l m
 RT: 13.03 min Scan# 3500
 Delta R.T. -0.01 min
 Lab File: VN053137.D
 Acq: 22 Dec 2018 17:11

Instrument :
 MSVOA_N
 ClientSampleId :
 KY001SB103-121118-(23-25)ME

Tgt Ion:105 Resp:21305416
 Ion Ratio Lower Upper
 105 100
 120 12.8 22.9 68.8#

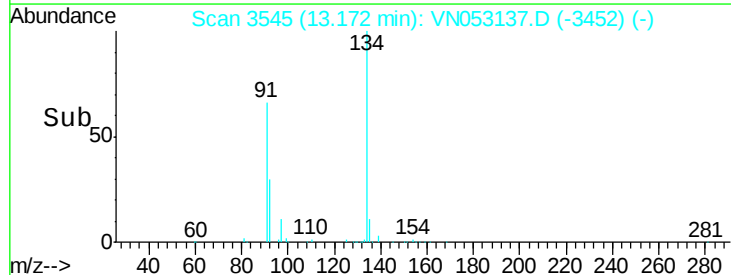
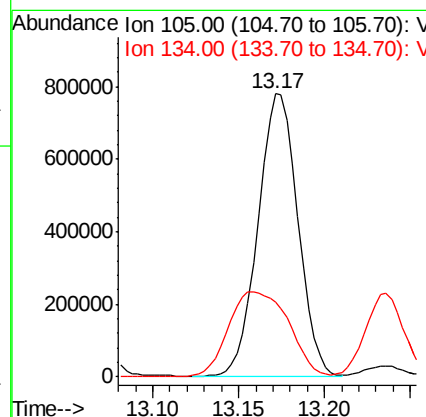
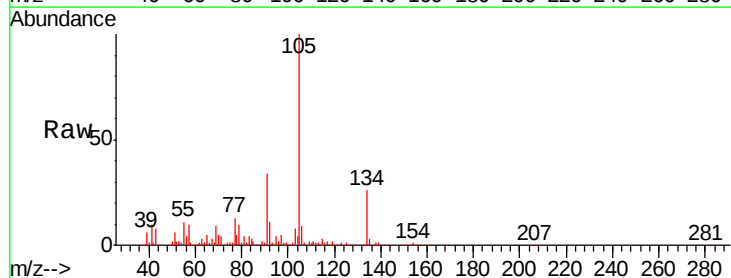
Manual Integrations
 APPROVED

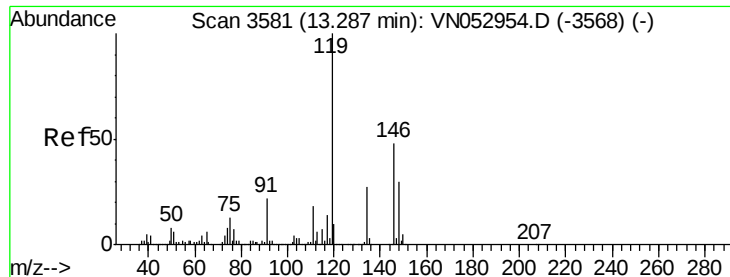
MMDadoda
 12/24/2018 12:22:14 PM



#85
 sec-Butylbenzene
 Concen: 21.976 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN053137.D
 Acq: 22 Dec 2018 17:11

Tgt Ion:105 Resp: 1244028
 Ion Ratio Lower Upper
 105 100
 134 46.0 10.1 30.3#





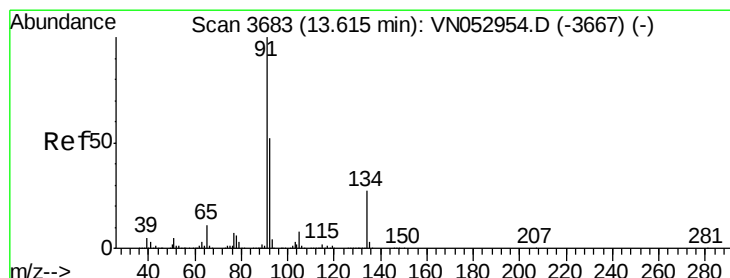
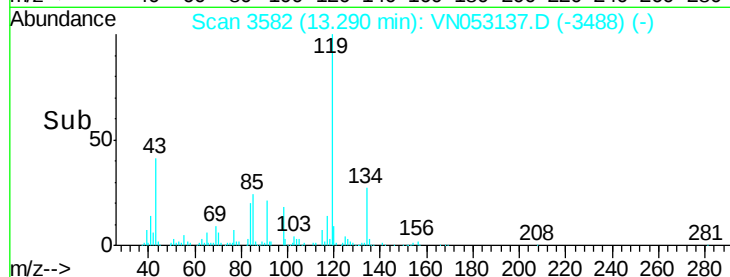
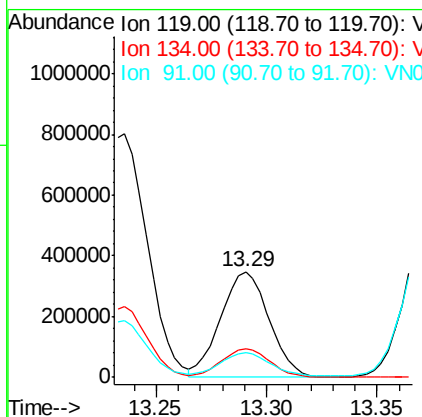
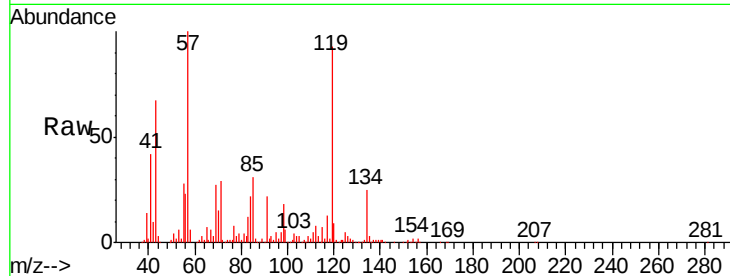
#86
p-Isopropyltoluene
Concen: 10.761 ug/l
RT: 13.29 min Scan# 3582
Delta R.T. 0.00 min
Lab File: VN053137.D
Acq: 22 Dec 2018 17:11

Instrument :
MSVOA_N
ClientSampleId :
KY001SB103-121118-(23-25)ME

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.4	40.2
91	22.8	11.1	33.3

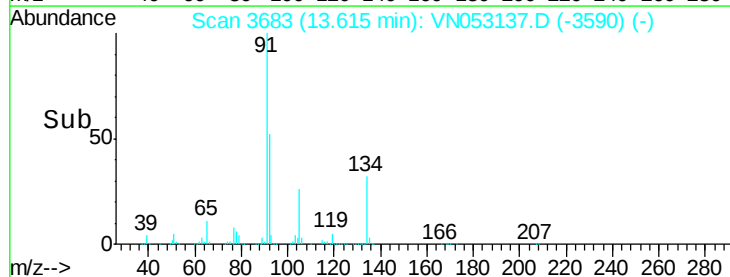
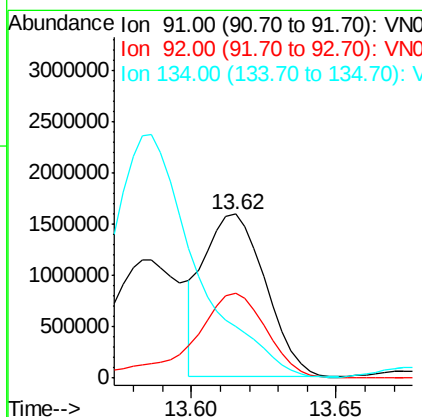
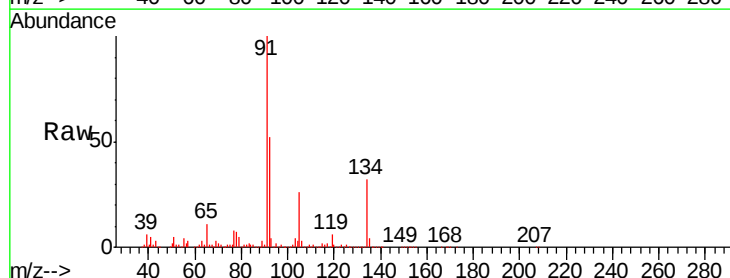
Manual Integrations
APPROVED

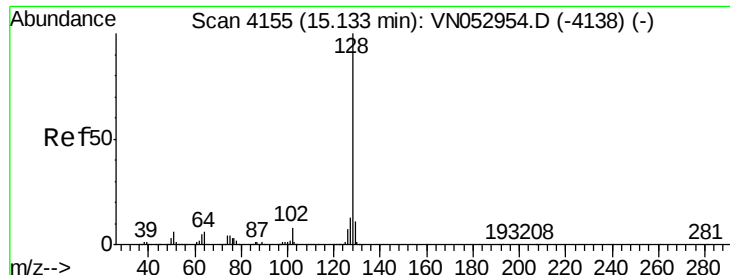
MMDadoda
12/24/2018 12:22:14 PM



#89
n-Butylbenzene
Concen: 55.480 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053137.D
Acq: 22 Dec 2018 17:11

Tgt Ion	Ratio	Lower	Upper
91	100		
92	62.9	26.3	78.9
134	0.0	13.3	39.8#





#95
Naphthalene
Concen: 173.225 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN053137.D
Acq: 22 Dec 2018 17:11

Instrument :
MSVOA_N
ClientSampleId :
KY001SB103-121118-(23-25)ME

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
12/24/2018 12:22:14 PM

